



DC_5A_n78A	30	20	633334	50@0	DFT_BPSK	24.56
DC_5A_n78A	30	20	633334	25@12	DFT_BPSK	25.08
DC_5A_n78A	30	20	633334	1@1	DFT_BPSK	24.88
DC_5A_n78A	30	20	633334	1@49	DFT_BPSK	24.86
DC_5A_n78A	30	20	633334	50@0	DFT_QPSK	24.05
DC_5A_n78A	30	20	633334	25@12	DFT_QPSK	25.09
DC_5A_n78A	30	20	633334	1@1	DFT_QPSK	24.88
DC_5A_n78A	30	20	633334	1@49	DFT_QPSK	24.87
DC_5A_n78A	30	20	633334	50@0	DFT_16QAM	23.1
DC_5A_n78A	30	20	633334	25@12	DFT_16QAM	24.14
DC_5A_n78A	30	20	633334	1@1	DFT_16QAM	23.93
DC_5A_n78A	30	20	633334	1@49	DFT_16QAM	23.94
DC_5A_n78A	30	20	633334	50@0	DFT_64QAM	22.55
DC_5A_n78A	30	20	633334	25@12	DFT_64QAM	22.6
DC_5A_n78A	30	20	633334	1@1	DFT_64QAM	22.53
DC_5A_n78A	30	20	633334	1@49	DFT_64QAM	22.51
DC_5A_n78A	30	20	633334	50@0	DFT_256QAM	20.6
DC_5A_n78A	30	20	633334	25@12	DFT_256QAM	20.59
DC_5A_n78A	30	20	633334	1@1	DFT_256QAM	20.39
DC_5A_n78A	30	20	633334	1@49	DFT_256QAM	20.36
DC_5A_n78A	30	20	633334	51@0	CP_QPSK	22.04
DC_5A_n78A	30	20	633334	25@12	CP_QPSK	23.57
DC_5A_n78A	30	20	633334	1@1	CP_QPSK	23.29
DC_5A_n78A	30	20	633334	1@49	CP_QPSK	23.23
DC_5A_n78A	30	20	636000	50@0	DFT_BPSK	24.63
DC_5A_n78A	30	20	636000	25@12	DFT_BPSK	25.15
DC_5A_n78A	30	20	636000	1@1	DFT_BPSK	25
DC_5A_n78A	30	20	636000	1@49	DFT_BPSK	24.9
DC_5A_n78A	30	20	636000	50@0	DFT_QPSK	24.13
DC_5A_n78A	30	20	636000	25@12	DFT_QPSK	25.17
DC_5A_n78A	30	20	636000	1@1	DFT_QPSK	25
DC_5A_n78A	30	20	636000	1@49	DFT_QPSK	24.9
DC_5A_n78A	30	20	636000	50@0	DFT_16QAM	23.18
DC_5A_n78A	30	20	636000	25@12	DFT_16QAM	24.23
DC_5A_n78A	30	20	636000	1@1	DFT_16QAM	24.09
DC_5A_n78A	30	20	636000	1@49	DFT_16QAM	24.01
DC_5A_n78A	30	20	636000	50@0	DFT_64QAM	22.62
DC_5A_n78A	30	20	636000	25@12	DFT_64QAM	22.67
DC_5A_n78A	30	20	636000	1@1	DFT_64QAM	22.63
DC_5A_n78A	30	20	636000	1@49	DFT_64QAM	22.54
DC_5A_n78A	30	20	636000	50@0	DFT_256QAM	20.64
DC_5A_n78A	30	20	636000	25@12	DFT_256QAM	20.7
DC_5A_n78A	30	20	636000	1@1	DFT_256QAM	20.46
DC_5A_n78A	30	20	636000	1@49	DFT_256QAM	20.34
DC_5A_n78A	30	20	636000	51@0	CP_QPSK	22.1
DC_5A_n78A	30	20	636000	25@12	CP_QPSK	23.6
DC_5A_n78A	30	20	636000	1@1	CP_QPSK	23.5
DC_5A_n78A	30	20	636000	1@49	CP_QPSK	23.42
DC_5A_n78A	30	40	631334	100@0	DFT_BPSK	24.67
DC_5A_n78A	30	40	631334	50@25	DFT_BPSK	25.24
DC_5A_n78A	30	40	631334	1@1	DFT_BPSK	24.82
DC_5A_n78A	30	40	631334	1@104	DFT_BPSK	24.57
DC_5A_n78A	30	40	631334	100@0	DFT_QPSK	24.2
DC_5A_n78A	30	40	631334	50@25	DFT_QPSK	25.26
DC_5A_n78A	30	40	631334	1@1	DFT_QPSK	24.83
DC_5A_n78A	30	40	631334	1@104	DFT_QPSK	24.57
DC_5A_n78A	30	40	631334	100@0	DFT_16QAM	23.22



DC_5A_n78A	30	40	631334	50@25	DFT_16QAM	24.29
DC_5A_n78A	30	40	631334	1@1	DFT_16QAM	23.92
DC_5A_n78A	30	40	631334	1@104	DFT_16QAM	23.65
DC_5A_n78A	30	40	631334	100@0	DFT_64QAM	22.7
DC_5A_n78A	30	40	631334	50@25	DFT_64QAM	22.73
DC_5A_n78A	30	40	631334	1@1	DFT_64QAM	22.47
DC_5A_n78A	30	40	631334	1@104	DFT_64QAM	22.22
DC_5A_n78A	30	40	631334	100@0	DFT_256QAM	20.69
DC_5A_n78A	30	40	631334	50@25	DFT_256QAM	20.75
DC_5A_n78A	30	40	631334	1@1	DFT_256QAM	20.3
DC_5A_n78A	30	40	631334	1@104	DFT_256QAM	20.04
DC_5A_n78A	30	40	631334	106@0	CP_QPSK	22.16
DC_5A_n78A	30	40	631334	53@26	CP_QPSK	23.7
DC_5A_n78A	30	40	631334	1@1	CP_QPSK	23.35
DC_5A_n78A	30	40	631334	1@104	CP_QPSK	23.1
DC_5A_n78A	30	40	633334	100@0	DFT_BPSK	24.54
DC_5A_n78A	30	40	633334	50@25	DFT_BPSK	25.14
DC_5A_n78A	30	40	633334	1@1	DFT_BPSK	24.66
DC_5A_n78A	30	40	633334	1@104	DFT_BPSK	24.49
DC_5A_n78A	30	40	633334	100@0	DFT_QPSK	24.05
DC_5A_n78A	30	40	633334	50@25	DFT_QPSK	25.16
DC_5A_n78A	30	40	633334	1@1	DFT_QPSK	24.66
DC_5A_n78A	30	40	633334	1@104	DFT_QPSK	24.51
DC_5A_n78A	30	40	633334	100@0	DFT_16QAM	23.08
DC_5A_n78A	30	40	633334	50@25	DFT_16QAM	24.18
DC_5A_n78A	30	40	633334	1@1	DFT_16QAM	23.71
DC_5A_n78A	30	40	633334	1@104	DFT_16QAM	23.54
DC_5A_n78A	30	40	633334	100@0	DFT_64QAM	22.56
DC_5A_n78A	30	40	633334	50@25	DFT_64QAM	22.65
DC_5A_n78A	30	40	633334	1@1	DFT_64QAM	22.31
DC_5A_n78A	30	40	633334	1@104	DFT_64QAM	22.13
DC_5A_n78A	30	40	633334	100@0	DFT_256QAM	20.57
DC_5A_n78A	30	40	633334	50@25	DFT_256QAM	20.67
DC_5A_n78A	30	40	633334	1@1	DFT_256QAM	20.18
DC_5A_n78A	30	40	633334	1@104	DFT_256QAM	20
DC_5A_n78A	30	40	633334	106@0	CP_QPSK	22.04
DC_5A_n78A	30	40	633334	53@26	CP_QPSK	23.63
DC_5A_n78A	30	40	633334	1@1	CP_QPSK	23.1
DC_5A_n78A	30	40	633334	1@104	CP_QPSK	22.94
DC_5A_n78A	30	40	635332	100@0	DFT_BPSK	24.51
DC_5A_n78A	30	40	635332	50@25	DFT_BPSK	25.09
DC_5A_n78A	30	40	635332	1@1	DFT_BPSK	24.69
DC_5A_n78A	30	40	635332	1@104	DFT_BPSK	24.45
DC_5A_n78A	30	40	635332	100@0	DFT_QPSK	24.01
DC_5A_n78A	30	40	635332	50@25	DFT_QPSK	25.1
DC_5A_n78A	30	40	635332	1@1	DFT_QPSK	24.67
DC_5A_n78A	30	40	635332	1@104	DFT_QPSK	24.46
DC_5A_n78A	30	40	635332	100@0	DFT_16QAM	23.03
DC_5A_n78A	30	40	635332	50@25	DFT_16QAM	24.12
DC_5A_n78A	30	40	635332	1@1	DFT_16QAM	23.73
DC_5A_n78A	30	40	635332	1@104	DFT_16QAM	23.5
DC_5A_n78A	30	40	635332	100@0	DFT_64QAM	22.53
DC_5A_n78A	30	40	635332	50@25	DFT_64QAM	22.6
DC_5A_n78A	30	40	635332	1@1	DFT_64QAM	22.35
DC_5A_n78A	30	40	635332	1@104	DFT_64QAM	22.11
DC_5A_n78A	30	40	635332	100@0	DFT_256QAM	20.51
DC_5A_n78A	30	40	635332	50@25	DFT_256QAM	20.59



DC_5A_n78A	30	40	635332	1@1	DFT_256QAM	20.19
DC_5A_n78A	30	40	635332	1@104	DFT_256QAM	19.93
DC_5A_n78A	30	40	635332	106@0	CP_QPSK	22
DC_5A_n78A	30	40	635332	53@26	CP_QPSK	23.54
DC_5A_n78A	30	40	635332	1@1	CP_QPSK	23.2
DC_5A_n78A	30	40	635332	1@104	CP_QPSK	22.97
DC_5A_n78A	30	50	631668	128@0	DFT_BPSK	24.65
DC_5A_n78A	30	50	631668	64@32	DFT_BPSK	25.18
DC_5A_n78A	30	50	631668	1@1	DFT_BPSK	25.01
DC_5A_n78A	30	50	631668	1@131	DFT_BPSK	24.82
DC_5A_n78A	30	50	631668	128@0	DFT_QPSK	24.18
DC_5A_n78A	30	50	631668	64@32	DFT_QPSK	25.21
DC_5A_n78A	30	50	631668	1@1	DFT_QPSK	25.03
DC_5A_n78A	30	50	631668	1@131	DFT_QPSK	24.85
DC_5A_n78A	30	50	631668	128@0	DFT_16QAM	23.19
DC_5A_n78A	30	50	631668	64@32	DFT_16QAM	24.19
DC_5A_n78A	30	50	631668	1@1	DFT_16QAM	24.06
DC_5A_n78A	30	50	631668	1@131	DFT_16QAM	23.87
DC_5A_n78A	30	50	631668	128@0	DFT_64QAM	22.68
DC_5A_n78A	30	50	631668	64@32	DFT_64QAM	22.72
DC_5A_n78A	30	50	631668	1@1	DFT_64QAM	22.64
DC_5A_n78A	30	50	631668	1@131	DFT_64QAM	22.46
DC_5A_n78A	30	50	631668	128@0	DFT_256QAM	20.64
DC_5A_n78A	30	50	631668	64@32	DFT_256QAM	20.67
DC_5A_n78A	30	50	631668	1@1	DFT_256QAM	20.48
DC_5A_n78A	30	50	631668	1@131	DFT_256QAM	20.28
DC_5A_n78A	30	50	631668	133@0	CP_QPSK	22.17
DC_5A_n78A	30	50	631668	67@33	CP_QPSK	23.71
DC_5A_n78A	30	50	631668	1@1	CP_QPSK	23.54
DC_5A_n78A	30	50	631668	1@131	CP_QPSK	23.34
DC_5A_n78A	30	50	633334	128@0	DFT_BPSK	24.57
DC_5A_n78A	30	50	633334	64@32	DFT_BPSK	25.17
DC_5A_n78A	30	50	633334	1@1	DFT_BPSK	24.95
DC_5A_n78A	30	50	633334	1@131	DFT_BPSK	24.77
DC_5A_n78A	30	50	633334	128@0	DFT_QPSK	24.1
DC_5A_n78A	30	50	633334	64@32	DFT_QPSK	25.2
DC_5A_n78A	30	50	633334	1@1	DFT_QPSK	24.98
DC_5A_n78A	30	50	633334	1@131	DFT_QPSK	24.78
DC_5A_n78A	30	50	633334	128@0	DFT_16QAM	23.12
DC_5A_n78A	30	50	633334	64@32	DFT_16QAM	24.2
DC_5A_n78A	30	50	633334	1@1	DFT_16QAM	23.88
DC_5A_n78A	30	50	633334	1@131	DFT_16QAM	23.7
DC_5A_n78A	30	50	633334	128@0	DFT_64QAM	22.64
DC_5A_n78A	30	50	633334	64@32	DFT_64QAM	22.68
DC_5A_n78A	30	50	633334	1@1	DFT_64QAM	22.58
DC_5A_n78A	30	50	633334	1@131	DFT_64QAM	22.4
DC_5A_n78A	30	50	633334	128@0	DFT_256QAM	20.61
DC_5A_n78A	30	50	633334	64@32	DFT_256QAM	20.64
DC_5A_n78A	30	50	633334	1@1	DFT_256QAM	20.48
DC_5A_n78A	30	50	633334	1@131	DFT_256QAM	20.3
DC_5A_n78A	30	50	633334	133@0	CP_QPSK	22.08
DC_5A_n78A	30	50	633334	67@33	CP_QPSK	23.63
DC_5A_n78A	30	50	633334	1@1	CP_QPSK	23.46
DC_5A_n78A	30	50	633334	1@131	CP_QPSK	23.2
DC_5A_n78A	30	50	635000	128@0	DFT_BPSK	24.57
DC_5A_n78A	30	50	635000	64@32	DFT_BPSK	25.11
DC_5A_n78A	30	50	635000	1@1	DFT_BPSK	24.97



DC_5A_n78A	30	50	635000	1@131	DFT_BPSK	24.7
DC_5A_n78A	30	50	635000	128@0	DFT_QPSK	24.1
DC_5A_n78A	30	50	635000	64@32	DFT_QPSK	25.14
DC_5A_n78A	30	50	635000	1@1	DFT_QPSK	24.96
DC_5A_n78A	30	50	635000	1@131	DFT_QPSK	24.71
DC_5A_n78A	30	50	635000	128@0	DFT_16QAM	23.11
DC_5A_n78A	30	50	635000	64@32	DFT_16QAM	24.12
DC_5A_n78A	30	50	635000	1@1	DFT_16QAM	24.04
DC_5A_n78A	30	50	635000	1@131	DFT_16QAM	23.78
DC_5A_n78A	30	50	635000	128@0	DFT_64QAM	22.62
DC_5A_n78A	30	50	635000	64@32	DFT_64QAM	22.63
DC_5A_n78A	30	50	635000	1@1	DFT_64QAM	22.6
DC_5A_n78A	30	50	635000	1@131	DFT_64QAM	22.34
DC_5A_n78A	30	50	635000	128@0	DFT_256QAM	20.58
DC_5A_n78A	30	50	635000	64@32	DFT_256QAM	20.59
DC_5A_n78A	30	50	635000	1@1	DFT_256QAM	20.44
DC_5A_n78A	30	50	635000	1@131	DFT_256QAM	20.17
DC_5A_n78A	30	50	635000	133@0	CP_QPSK	22.07
DC_5A_n78A	30	50	635000	67@33	CP_QPSK	23.63
DC_5A_n78A	30	50	635000	1@1	CP_QPSK	23.49
DC_5A_n78A	30	50	635000	1@131	CP_QPSK	23.25
DC_5A_n78A	30	60	632000	162@0	DFT_BPSK	24.59
DC_5A_n78A	30	60	632000	81@40	DFT_BPSK	25.16
DC_5A_n78A	30	60	632000	1@1	DFT_BPSK	24.98
DC_5A_n78A	30	60	632000	1@160	DFT_BPSK	24.63
DC_5A_n78A	30	60	632000	162@0	DFT_QPSK	24.1
DC_5A_n78A	30	60	632000	81@40	DFT_QPSK	25.2
DC_5A_n78A	30	60	632000	1@1	DFT_QPSK	24.99
DC_5A_n78A	30	60	632000	1@160	DFT_QPSK	24.58
DC_5A_n78A	30	60	632000	162@0	DFT_16QAM	23.1
DC_5A_n78A	30	60	632000	81@40	DFT_16QAM	24.18
DC_5A_n78A	30	60	632000	1@1	DFT_16QAM	24.02
DC_5A_n78A	30	60	632000	1@160	DFT_16QAM	23.68
DC_5A_n78A	30	60	632000	162@0	DFT_64QAM	22.61
DC_5A_n78A	30	60	632000	81@40	DFT_64QAM	22.7
DC_5A_n78A	30	60	632000	1@1	DFT_64QAM	22.62
DC_5A_n78A	30	60	632000	1@160	DFT_64QAM	22.27
DC_5A_n78A	30	60	632000	162@0	DFT_256QAM	20.6
DC_5A_n78A	30	60	632000	81@40	DFT_256QAM	20.66
DC_5A_n78A	30	60	632000	1@1	DFT_256QAM	20.46
DC_5A_n78A	30	60	632000	1@160	DFT_256QAM	20.14
DC_5A_n78A	30	60	632000	162@0	CP_QPSK	22.08
DC_5A_n78A	30	60	632000	81@40	CP_QPSK	23.67
DC_5A_n78A	30	60	632000	1@1	CP_QPSK	23.5
DC_5A_n78A	30	60	632000	1@160	CP_QPSK	23.16
DC_5A_n78A	30	60	633334	162@0	DFT_BPSK	24.54
DC_5A_n78A	30	60	633334	81@40	DFT_BPSK	25.14
DC_5A_n78A	30	60	633334	1@1	DFT_BPSK	24.86
DC_5A_n78A	30	60	633334	1@160	DFT_BPSK	24.6
DC_5A_n78A	30	60	633334	162@0	DFT_QPSK	24.08
DC_5A_n78A	30	60	633334	81@40	DFT_QPSK	25.17
DC_5A_n78A	30	60	633334	1@1	DFT_QPSK	24.86
DC_5A_n78A	30	60	633334	1@160	DFT_QPSK	24.63
DC_5A_n78A	30	60	633334	162@0	DFT_16QAM	23.1
DC_5A_n78A	30	60	633334	81@40	DFT_16QAM	24.17
DC_5A_n78A	30	60	633334	1@1	DFT_16QAM	23.82
DC_5A_n78A	30	60	633334	1@160	DFT_16QAM	23.58



DC_5A_n78A	30	60	633334	162@0	DFT_64QAM	22.58
DC_5A_n78A	30	60	633334	81@40	DFT_64QAM	22.67
DC_5A_n78A	30	60	633334	1@1	DFT_64QAM	22.5
DC_5A_n78A	30	60	633334	1@160	DFT_64QAM	22.26
DC_5A_n78A	30	60	633334	162@0	DFT_256QAM	20.51
DC_5A_n78A	30	60	633334	81@40	DFT_256QAM	20.59
DC_5A_n78A	30	60	633334	1@1	DFT_256QAM	20.4
DC_5A_n78A	30	60	633334	1@160	DFT_256QAM	20.15
DC_5A_n78A	30	60	633334	162@0	CP_QPSK	22.04
DC_5A_n78A	30	60	633334	81@40	CP_QPSK	23.63
DC_5A_n78A	30	60	633334	1@1	CP_QPSK	23.43
DC_5A_n78A	30	60	633334	1@160	CP_QPSK	23.18
DC_5A_n78A	30	60	634666	162@0	DFT_BPSK	24.48
DC_5A_n78A	30	60	634666	81@40	DFT_BPSK	25.06
DC_5A_n78A	30	60	634666	1@1	DFT_BPSK	24.76
DC_5A_n78A	30	60	634666	1@160	DFT_BPSK	24.47
DC_5A_n78A	30	60	634666	162@0	DFT_QPSK	24.01
DC_5A_n78A	30	60	634666	81@40	DFT_QPSK	25.09
DC_5A_n78A	30	60	634666	1@1	DFT_QPSK	24.73
DC_5A_n78A	30	60	634666	1@160	DFT_QPSK	24.46
DC_5A_n78A	30	60	634666	162@0	DFT_16QAM	23.03
DC_5A_n78A	30	60	634666	81@40	DFT_16QAM	24.09
DC_5A_n78A	30	60	634666	1@1	DFT_16QAM	23.83
DC_5A_n78A	30	60	634666	1@160	DFT_16QAM	23.53
DC_5A_n78A	30	60	634666	162@0	DFT_64QAM	22.52
DC_5A_n78A	30	60	634666	81@40	DFT_64QAM	22.6
DC_5A_n78A	30	60	634666	1@1	DFT_64QAM	22.41
DC_5A_n78A	30	60	634666	1@160	DFT_64QAM	22.12
DC_5A_n78A	30	60	634666	162@0	DFT_256QAM	20.5
DC_5A_n78A	30	60	634666	81@40	DFT_256QAM	20.57
DC_5A_n78A	30	60	634666	1@1	DFT_256QAM	20.17
DC_5A_n78A	30	60	634666	1@160	DFT_256QAM	19.86
DC_5A_n78A	30	60	634666	162@0	CP_QPSK	21.98
DC_5A_n78A	30	60	634666	81@40	CP_QPSK	23.55
DC_5A_n78A	30	60	634666	1@1	CP_QPSK	23.33
DC_5A_n78A	30	60	634666	1@160	CP_QPSK	23.08
DC_5A_n78A	30	70	632334	180@0	DFT_BPSK	24.54
DC_5A_n78A	30	70	632334	90@45	DFT_BPSK	25.07
DC_5A_n78A	30	70	632334	1@1	DFT_BPSK	24.76
DC_5A_n78A	30	70	632334	1@187	DFT_BPSK	24.38
DC_5A_n78A	30	70	632334	180@0	DFT_QPSK	24.07
DC_5A_n78A	30	70	632334	90@45	DFT_QPSK	25.1
DC_5A_n78A	30	70	632334	1@1	DFT_QPSK	24.8
DC_5A_n78A	30	70	632334	1@187	DFT_QPSK	24.43
DC_5A_n78A	30	70	632334	180@0	DFT_16QAM	23.1
DC_5A_n78A	30	70	632334	90@45	DFT_16QAM	24.11
DC_5A_n78A	30	70	632334	1@1	DFT_16QAM	23.76
DC_5A_n78A	30	70	632334	1@187	DFT_16QAM	23.39
DC_5A_n78A	30	70	632334	180@0	DFT_64QAM	22.58
DC_5A_n78A	30	70	632334	90@45	DFT_64QAM	22.6
DC_5A_n78A	30	70	632334	1@1	DFT_64QAM	22.42
DC_5A_n78A	30	70	632334	1@187	DFT_64QAM	22.04
DC_5A_n78A	30	70	632334	180@0	DFT_256QAM	20.55
DC_5A_n78A	30	70	632334	90@45	DFT_256QAM	20.56
DC_5A_n78A	30	70	632334	1@1	DFT_256QAM	20.36
DC_5A_n78A	30	70	632334	1@187	DFT_256QAM	19.97
DC_5A_n78A	30	70	632334	189@0	CP_QPSK	22.01



DC_5A_n78A	30	70	632334	95@47	CP_QPSK	23.55
DC_5A_n78A	30	70	632334	1@1	CP_QPSK	23.41
DC_5A_n78A	30	70	632334	1@187	CP_QPSK	23.01
DC_5A_n78A	30	70	633334	180@0	DFT_BPSK	24.51
DC_5A_n78A	30	70	633334	90@45	DFT_BPSK	25.07
DC_5A_n78A	30	70	633334	1@1	DFT_BPSK	24.75
DC_5A_n78A	30	70	633334	1@187	DFT_BPSK	24.41
DC_5A_n78A	30	70	633334	180@0	DFT_QPSK	24.03
DC_5A_n78A	30	70	633334	90@45	DFT_QPSK	25.09
DC_5A_n78A	30	70	633334	1@1	DFT_QPSK	24.87
DC_5A_n78A	30	70	633334	1@187	DFT_QPSK	24.56
DC_5A_n78A	30	70	633334	180@0	DFT_16QAM	23.02
DC_5A_n78A	30	70	633334	90@45	DFT_16QAM	24.1
DC_5A_n78A	30	70	633334	1@1	DFT_16QAM	23.75
DC_5A_n78A	30	70	633334	1@187	DFT_16QAM	23.43
DC_5A_n78A	30	70	633334	180@0	DFT_64QAM	22.56
DC_5A_n78A	30	70	633334	90@45	DFT_64QAM	22.6
DC_5A_n78A	30	70	633334	1@1	DFT_64QAM	22.47
DC_5A_n78A	30	70	633334	1@187	DFT_64QAM	22.13
DC_5A_n78A	30	70	633334	180@0	DFT_256QAM	20.5
DC_5A_n78A	30	70	633334	90@45	DFT_256QAM	20.57
DC_5A_n78A	30	70	633334	1@1	DFT_256QAM	20.32
DC_5A_n78A	30	70	633334	1@187	DFT_256QAM	19.99
DC_5A_n78A	30	70	633334	189@0	CP_QPSK	21.95
DC_5A_n78A	30	70	633334	95@47	CP_QPSK	23.57
DC_5A_n78A	30	70	633334	1@1	CP_QPSK	23.42
DC_5A_n78A	30	70	633334	1@187	CP_QPSK	23.07
DC_5A_n78A	30	70	634332	180@0	DFT_BPSK	24.47
DC_5A_n78A	30	70	634332	90@45	DFT_BPSK	25.05
DC_5A_n78A	30	70	634332	1@1	DFT_BPSK	24.68
DC_5A_n78A	30	70	634332	1@187	DFT_BPSK	24.34
DC_5A_n78A	30	70	634332	180@0	DFT_QPSK	24
DC_5A_n78A	30	70	634332	90@45	DFT_QPSK	25.06
DC_5A_n78A	30	70	634332	1@1	DFT_QPSK	24.73
DC_5A_n78A	30	70	634332	1@187	DFT_QPSK	24.38
DC_5A_n78A	30	70	634332	180@0	DFT_16QAM	23.02
DC_5A_n78A	30	70	634332	90@45	DFT_16QAM	24.09
DC_5A_n78A	30	70	634332	1@1	DFT_16QAM	23.66
DC_5A_n78A	30	70	634332	1@187	DFT_16QAM	23.32
DC_5A_n78A	30	70	634332	180@0	DFT_64QAM	22.51
DC_5A_n78A	30	70	634332	90@45	DFT_64QAM	22.55
DC_5A_n78A	30	70	634332	1@1	DFT_64QAM	22.32
DC_5A_n78A	30	70	634332	1@187	DFT_64QAM	21.98
DC_5A_n78A	30	70	634332	180@0	DFT_256QAM	20.48
DC_5A_n78A	30	70	634332	90@45	DFT_256QAM	20.56
DC_5A_n78A	30	70	634332	1@1	DFT_256QAM	20.23
DC_5A_n78A	30	70	634332	1@187	DFT_256QAM	19.89
DC_5A_n78A	30	70	634332	189@0	CP_QPSK	21.96
DC_5A_n78A	30	70	634332	95@47	CP_QPSK	23.57
DC_5A_n78A	30	70	634332	1@1	CP_QPSK	23.31
DC_5A_n78A	30	70	634332	1@187	CP_QPSK	22.95
DC_5A_n78A	30	80	632668	216@0	DFT_BPSK	24.53
DC_5A_n78A	30	80	632668	108@54	DFT_BPSK	25.11
DC_5A_n78A	30	80	632668	1@1	DFT_BPSK	24.68
DC_5A_n78A	30	80	632668	1@215	DFT_BPSK	24.26
DC_5A_n78A	30	80	632668	216@0	DFT_QPSK	24.04
DC_5A_n78A	30	80	632668	108@54	DFT_QPSK	25.15



DC_5A_n78A	30	80	632668	1@1	DFT_QPSK	24.73
DC_5A_n78A	30	80	632668	1@215	DFT_QPSK	24.31
DC_5A_n78A	30	80	632668	216@0	DFT_16QAM	23.06
DC_5A_n78A	30	80	632668	108@54	DFT_16QAM	24.16
DC_5A_n78A	30	80	632668	1@1	DFT_16QAM	23.68
DC_5A_n78A	30	80	632668	1@215	DFT_16QAM	23.25
DC_5A_n78A	30	80	632668	216@0	DFT_64QAM	22.55
DC_5A_n78A	30	80	632668	108@54	DFT_64QAM	22.62
DC_5A_n78A	30	80	632668	1@1	DFT_64QAM	22.37
DC_5A_n78A	30	80	632668	1@215	DFT_64QAM	21.94
DC_5A_n78A	30	80	632668	216@0	DFT_256QAM	20.57
DC_5A_n78A	30	80	632668	108@54	DFT_256QAM	20.67
DC_5A_n78A	30	80	632668	1@1	DFT_256QAM	20.24
DC_5A_n78A	30	80	632668	1@215	DFT_256QAM	19.84
DC_5A_n78A	30	80	632668	217@0	CP_QPSK	22.04
DC_5A_n78A	30	80	632668	109@54	CP_QPSK	23.59
DC_5A_n78A	30	80	632668	1@1	CP_QPSK	23.24
DC_5A_n78A	30	80	632668	1@215	CP_QPSK	22.84
DC_5A_n78A	30	80	633334	216@0	DFT_BPSK	24.46
DC_5A_n78A	30	80	633334	108@54	DFT_BPSK	25.07
DC_5A_n78A	30	80	633334	1@1	DFT_BPSK	24.64
DC_5A_n78A	30	80	633334	1@215	DFT_BPSK	24.22
DC_5A_n78A	30	80	633334	216@0	DFT_QPSK	23.97
DC_5A_n78A	30	80	633334	108@54	DFT_QPSK	25.11
DC_5A_n78A	30	80	633334	1@1	DFT_QPSK	24.76
DC_5A_n78A	30	80	633334	1@215	DFT_QPSK	24.32
DC_5A_n78A	30	80	633334	216@0	DFT_16QAM	22.99
DC_5A_n78A	30	80	633334	108@54	DFT_16QAM	24.09
DC_5A_n78A	30	80	633334	1@1	DFT_16QAM	23.62
DC_5A_n78A	30	80	633334	1@215	DFT_16QAM	23.18
DC_5A_n78A	30	80	633334	216@0	DFT_64QAM	22.49
DC_5A_n78A	30	80	633334	108@54	DFT_64QAM	22.6
DC_5A_n78A	30	80	633334	1@1	DFT_64QAM	22.28
DC_5A_n78A	30	80	633334	1@215	DFT_64QAM	21.86
DC_5A_n78A	30	80	633334	216@0	DFT_256QAM	20.49
DC_5A_n78A	30	80	633334	108@54	DFT_256QAM	20.57
DC_5A_n78A	30	80	633334	1@1	DFT_256QAM	20.11
DC_5A_n78A	30	80	633334	1@215	DFT_256QAM	19.71
DC_5A_n78A	30	80	633334	217@0	CP_QPSK	21.98
DC_5A_n78A	30	80	633334	109@54	CP_QPSK	23.55
DC_5A_n78A	30	80	633334	1@1	CP_QPSK	23.21
DC_5A_n78A	30	80	633334	1@215	CP_QPSK	22.75
DC_5A_n78A	30	80	634000	216@0	DFT_BPSK	24.41
DC_5A_n78A	30	80	634000	108@54	DFT_BPSK	25.03
DC_5A_n78A	30	80	634000	1@1	DFT_BPSK	24.57
DC_5A_n78A	30	80	634000	1@215	DFT_BPSK	24.15
DC_5A_n78A	30	80	634000	216@0	DFT_QPSK	23.93
DC_5A_n78A	30	80	634000	108@54	DFT_QPSK	25.07
DC_5A_n78A	30	80	634000	1@1	DFT_QPSK	24.59
DC_5A_n78A	30	80	634000	1@215	DFT_QPSK	24.21
DC_5A_n78A	30	80	634000	216@0	DFT_16QAM	22.95
DC_5A_n78A	30	80	634000	108@54	DFT_16QAM	24.07
DC_5A_n78A	30	80	634000	1@1	DFT_16QAM	23.53
DC_5A_n78A	30	80	634000	1@215	DFT_16QAM	23.13
DC_5A_n78A	30	80	634000	216@0	DFT_64QAM	22.44
DC_5A_n78A	30	80	634000	108@54	DFT_64QAM	22.55
DC_5A_n78A	30	80	634000	1@1	DFT_64QAM	22.19



DC_5A_n78A	30	80	634000	1@215	DFT_64QAM	21.79
DC_5A_n78A	30	80	634000	216@0	DFT_256QAM	20.44
DC_5A_n78A	30	80	634000	108@54	DFT_256QAM	20.56
DC_5A_n78A	30	80	634000	1@1	DFT_256QAM	20.13
DC_5A_n78A	30	80	634000	1@215	DFT_256QAM	19.71
DC_5A_n78A	30	80	634000	217@0	CP_QPSK	21.91
DC_5A_n78A	30	80	634000	109@54	CP_QPSK	23.47
DC_5A_n78A	30	80	634000	1@1	CP_QPSK	23.12
DC_5A_n78A	30	80	634000	1@215	CP_QPSK	22.74
DC_5A_n78A	30	90	633000	243@0	DFT_BPSK	24.44
DC_5A_n78A	30	90	633000	120@60	DFT_BPSK	25.05
DC_5A_n78A	30	90	633000	1@1	DFT_BPSK	24.49
DC_5A_n78A	30	90	633000	1@243	DFT_BPSK	24.06
DC_5A_n78A	30	90	633000	243@0	DFT_QPSK	23.94
DC_5A_n78A	30	90	633000	120@60	DFT_QPSK	25.08
DC_5A_n78A	30	90	633000	1@1	DFT_QPSK	24.5
DC_5A_n78A	30	90	633000	1@243	DFT_QPSK	24.05
DC_5A_n78A	30	90	633000	243@0	DFT_16QAM	22.96
DC_5A_n78A	30	90	633000	120@60	DFT_16QAM	24.06
DC_5A_n78A	30	90	633000	1@1	DFT_16QAM	23.56
DC_5A_n78A	30	90	633000	1@243	DFT_16QAM	23.15
DC_5A_n78A	30	90	633000	243@0	DFT_64QAM	22.44
DC_5A_n78A	30	90	633000	120@60	DFT_64QAM	22.55
DC_5A_n78A	30	90	633000	1@1	DFT_64QAM	22.07
DC_5A_n78A	30	90	633000	1@243	DFT_64QAM	21.67
DC_5A_n78A	30	90	633000	243@0	DFT_256QAM	20.43
DC_5A_n78A	30	90	633000	120@60	DFT_256QAM	20.52
DC_5A_n78A	30	90	633000	1@1	DFT_256QAM	19.96
DC_5A_n78A	30	90	633000	1@243	DFT_256QAM	19.53
DC_5A_n78A	30	90	633000	245@0	CP_QPSK	21.92
DC_5A_n78A	30	90	633000	123@61	CP_QPSK	23.47
DC_5A_n78A	30	90	633000	1@1	CP_QPSK	23.19
DC_5A_n78A	30	90	633000	1@243	CP_QPSK	22.76
DC_5A_n78A	30	90	633334	243@0	DFT_BPSK	24.45
DC_5A_n78A	30	90	633334	120@60	DFT_BPSK	25.05
DC_5A_n78A	30	90	633334	1@1	DFT_BPSK	24.51
DC_5A_n78A	30	90	633334	1@243	DFT_BPSK	24.02
DC_5A_n78A	30	90	633334	243@0	DFT_QPSK	23.96
DC_5A_n78A	30	90	633334	120@60	DFT_QPSK	25.08
DC_5A_n78A	30	90	633334	1@1	DFT_QPSK	24.53
DC_5A_n78A	30	90	633334	1@243	DFT_QPSK	24.02
DC_5A_n78A	30	90	633334	243@0	DFT_16QAM	22.97
DC_5A_n78A	30	90	633334	120@60	DFT_16QAM	24.08
DC_5A_n78A	30	90	633334	1@1	DFT_16QAM	23.52
DC_5A_n78A	30	90	633334	1@243	DFT_16QAM	23.05
DC_5A_n78A	30	90	633334	243@0	DFT_64QAM	22.49
DC_5A_n78A	30	90	633334	120@60	DFT_64QAM	22.58
DC_5A_n78A	30	90	633334	1@1	DFT_64QAM	22.13
DC_5A_n78A	30	90	633334	1@243	DFT_64QAM	21.66
DC_5A_n78A	30	90	633334	243@0	DFT_256QAM	20.44
DC_5A_n78A	30	90	633334	120@60	DFT_256QAM	20.53
DC_5A_n78A	30	90	633334	1@1	DFT_256QAM	19.99
DC_5A_n78A	30	90	633334	1@243	DFT_256QAM	19.47
DC_5A_n78A	30	90	633334	245@0	CP_QPSK	21.91
DC_5A_n78A	30	90	633334	123@61	CP_QPSK	23.48
DC_5A_n78A	30	90	633334	1@1	CP_QPSK	23.08
DC_5A_n78A	30	90	633334	1@243	CP_QPSK	22.54



DC_5A_n78A	30	90	633666	243@0	DFT_BPSK	24.44
DC_5A_n78A	30	90	633666	120@60	DFT_BPSK	25.05
DC_5A_n78A	30	90	633666	1@1	DFT_BPSK	24.57
DC_5A_n78A	30	90	633666	1@243	DFT_BPSK	24.05
DC_5A_n78A	30	90	633666	243@0	DFT_QPSK	23.97
DC_5A_n78A	30	90	633666	120@60	DFT_QPSK	25.08
DC_5A_n78A	30	90	633666	1@1	DFT_QPSK	24.57
DC_5A_n78A	30	90	633666	1@243	DFT_QPSK	24.05
DC_5A_n78A	30	90	633666	243@0	DFT_16QAM	22.97
DC_5A_n78A	30	90	633666	120@60	DFT_16QAM	24.08
DC_5A_n78A	30	90	633666	1@1	DFT_16QAM	23.65
DC_5A_n78A	30	90	633666	1@243	DFT_16QAM	23.13
DC_5A_n78A	30	90	633666	243@0	DFT_64QAM	22.45
DC_5A_n78A	30	90	633666	120@60	DFT_64QAM	22.56
DC_5A_n78A	30	90	633666	1@1	DFT_64QAM	22.18
DC_5A_n78A	30	90	633666	1@243	DFT_64QAM	21.64
DC_5A_n78A	30	90	633666	243@0	DFT_256QAM	20.44
DC_5A_n78A	30	90	633666	120@60	DFT_256QAM	20.53
DC_5A_n78A	30	90	633666	1@1	DFT_256QAM	19.96
DC_5A_n78A	30	90	633666	1@243	DFT_256QAM	19.45
DC_5A_n78A	30	90	633666	245@0	CP_QPSK	21.92
DC_5A_n78A	30	90	633666	123@61	CP_QPSK	23.48
DC_5A_n78A	30	90	633666	1@1	CP_QPSK	23.28
DC_5A_n78A	30	90	633666	1@243	CP_QPSK	22.82
DC_5A_n78A	30	100	633334	270@0	DFT_BPSK	24.37
DC_5A_n78A	30	100	633334	135@67	DFT_BPSK	25.02
DC_5A_n78A	30	100	633334	1@1	DFT_BPSK	24.44
DC_5A_n78A	30	100	633334	1@271	DFT_BPSK	23.84
DC_5A_n78A	30	100	633334	270@0	DFT_QPSK	23.87
DC_5A_n78A	30	100	633334	135@67	DFT_QPSK	25.03
DC_5A_n78A	30	100	633334	1@1	DFT_QPSK	24.43
DC_5A_n78A	30	100	633334	1@271	DFT_QPSK	23.84
DC_5A_n78A	30	100	633334	270@0	DFT_16QAM	22.88
DC_5A_n78A	30	100	633334	135@67	DFT_16QAM	24.06
DC_5A_n78A	30	100	633334	1@1	DFT_16QAM	23.46
DC_5A_n78A	30	100	633334	1@271	DFT_16QAM	22.87
DC_5A_n78A	30	100	633334	270@0	DFT_64QAM	22.39
DC_5A_n78A	30	100	633334	135@67	DFT_64QAM	22.55
DC_5A_n78A	30	100	633334	1@1	DFT_64QAM	22.04
DC_5A_n78A	30	100	633334	1@271	DFT_64QAM	21.45
DC_5A_n78A	30	100	633334	270@0	DFT_256QAM	20.37
DC_5A_n78A	30	100	633334	135@67	DFT_256QAM	20.51
DC_5A_n78A	30	100	633334	1@1	DFT_256QAM	19.9
DC_5A_n78A	30	100	633334	1@271	DFT_256QAM	19.32
DC_5A_n78A	30	100	633334	273@0	CP_QPSK	21.86
DC_5A_n78A	30	100	633334	137@68	CP_QPSK	23.51
DC_5A_n78A	30	100	633334	1@1	CP_QPSK	22.92
DC_5A_n78A	30	100	633334	1@271	CP_QPSK	22.35



Band	SCS (kHz)	Bandwidth (MHz)	UL Channel	RB Allocation	Modulation	Power (dBm)
DC_5A_n78A	30	10	647000	24@0	DFT_BPSK	24.17
DC_5A_n78A	30	10	647000	12@6	DFT_BPSK	24.69
DC_5A_n78A	30	10	647000	1@1	DFT_BPSK	24.66
DC_5A_n78A	30	10	647000	1@22	DFT_BPSK	24.73
DC_5A_n78A	30	10	647000	24@0	DFT_QPSK	23.81
DC_5A_n78A	30	10	647000	12@6	DFT_QPSK	24.69
DC_5A_n78A	30	10	647000	1@1	DFT_QPSK	24.68
DC_5A_n78A	30	10	647000	1@22	DFT_QPSK	24.76
DC_5A_n78A	30	10	647000	24@0	DFT_16QAM	22.75
DC_5A_n78A	30	10	647000	12@6	DFT_16QAM	23.76
DC_5A_n78A	30	10	647000	1@1	DFT_16QAM	23.59
DC_5A_n78A	30	10	647000	1@22	DFT_16QAM	23.63
DC_5A_n78A	30	10	647000	24@0	DFT_64QAM	22.32
DC_5A_n78A	30	10	647000	12@6	DFT_64QAM	22.39
DC_5A_n78A	30	10	647000	1@1	DFT_64QAM	22.22
DC_5A_n78A	30	10	647000	1@22	DFT_64QAM	22.16
DC_5A_n78A	30	10	647000	24@0	DFT_256QAM	20.21
DC_5A_n78A	30	10	647000	12@6	DFT_256QAM	20.35
DC_5A_n78A	30	10	647000	1@1	DFT_256QAM	20.03
DC_5A_n78A	30	10	647000	1@22	DFT_256QAM	20.15
DC_5A_n78A	30	10	647000	24@0	CP_QPSK	21.74
DC_5A_n78A	30	10	647000	12@6	CP_QPSK	23.16
DC_5A_n78A	30	10	647000	1@1	CP_QPSK	23.31
DC_5A_n78A	30	10	647000	1@22	CP_QPSK	23.27
DC_5A_n78A	30	10	650000	24@0	DFT_BPSK	24.62
DC_5A_n78A	30	10	650000	12@6	DFT_BPSK	25.04
DC_5A_n78A	30	10	650000	1@1	DFT_BPSK	25.06
DC_5A_n78A	30	10	650000	1@22	DFT_BPSK	25.09
DC_5A_n78A	30	10	650000	24@0	DFT_QPSK	24.15
DC_5A_n78A	30	10	650000	12@6	DFT_QPSK	25.19
DC_5A_n78A	30	10	650000	1@1	DFT_QPSK	25.06
DC_5A_n78A	30	10	650000	1@22	DFT_QPSK	25.12
DC_5A_n78A	30	10	650000	24@0	DFT_16QAM	23.14
DC_5A_n78A	30	10	650000	12@6	DFT_16QAM	24.15
DC_5A_n78A	30	10	650000	1@1	DFT_16QAM	23.93
DC_5A_n78A	30	10	650000	1@22	DFT_16QAM	24.01
DC_5A_n78A	30	10	650000	24@0	DFT_64QAM	22.73
DC_5A_n78A	30	10	650000	12@6	DFT_64QAM	22.77
DC_5A_n78A	30	10	650000	1@1	DFT_64QAM	22.64
DC_5A_n78A	30	10	650000	1@22	DFT_64QAM	22.7
DC_5A_n78A	30	10	650000	24@0	DFT_256QAM	20.53
DC_5A_n78A	30	10	650000	12@6	DFT_256QAM	20.71
DC_5A_n78A	30	10	650000	1@1	DFT_256QAM	20.41
DC_5A_n78A	30	10	650000	1@22	DFT_256QAM	20.44
DC_5A_n78A	30	10	650000	24@0	CP_QPSK	22.12
DC_5A_n78A	30	10	650000	12@6	CP_QPSK	23.53
DC_5A_n78A	30	10	650000	1@1	CP_QPSK	23.63
DC_5A_n78A	30	10	650000	1@22	CP_QPSK	23.65
DC_5A_n78A	30	10	653000	24@0	DFT_BPSK	24.55
DC_5A_n78A	30	10	653000	12@6	DFT_BPSK	24.98
DC_5A_n78A	30	10	653000	1@1	DFT_BPSK	24.92
DC_5A_n78A	30	10	653000	1@22	DFT_BPSK	25.02
DC_5A_n78A	30	10	653000	24@0	DFT_QPSK	23.98
DC_5A_n78A	30	10	653000	12@6	DFT_QPSK	25.02
DC_5A_n78A	30	10	653000	1@1	DFT_QPSK	24.99



DC_5A_n78A	30	10	653000	1@22	DFT_QPSK	25.03
DC_5A_n78A	30	10	653000	24@0	DFT_16QAM	23.05
DC_5A_n78A	30	10	653000	12@6	DFT_16QAM	24.03
DC_5A_n78A	30	10	653000	1@1	DFT_16QAM	23.84
DC_5A_n78A	30	10	653000	1@22	DFT_16QAM	23.9
DC_5A_n78A	30	10	653000	24@0	DFT_64QAM	22.62
DC_5A_n78A	30	10	653000	12@6	DFT_64QAM	22.65
DC_5A_n78A	30	10	653000	1@1	DFT_64QAM	22.47
DC_5A_n78A	30	10	653000	1@22	DFT_64QAM	22.55
DC_5A_n78A	30	10	653000	24@0	DFT_256QAM	20.48
DC_5A_n78A	30	10	653000	12@6	DFT_256QAM	20.59
DC_5A_n78A	30	10	653000	1@1	DFT_256QAM	20.35
DC_5A_n78A	30	10	653000	1@22	DFT_256QAM	20.39
DC_5A_n78A	30	10	653000	24@0	CP_QPSK	22.1
DC_5A_n78A	30	10	653000	12@6	CP_QPSK	23.42
DC_5A_n78A	30	10	653000	1@1	CP_QPSK	23.51
DC_5A_n78A	30	10	653000	1@22	CP_QPSK	23.5
DC_5A_n78A	30	15	647168	36@0	DFT_BPSK	24.3
DC_5A_n78A	30	15	647168	18@9	DFT_BPSK	24.79
DC_5A_n78A	30	15	647168	1@1	DFT_BPSK	24.65
DC_5A_n78A	30	15	647168	1@36	DFT_BPSK	24.84
DC_5A_n78A	30	15	647168	36@0	DFT_QPSK	23.82
DC_5A_n78A	30	15	647168	18@9	DFT_QPSK	24.8
DC_5A_n78A	30	15	647168	1@1	DFT_QPSK	24.7
DC_5A_n78A	30	15	647168	1@36	DFT_QPSK	24.8
DC_5A_n78A	30	15	647168	36@0	DFT_16QAM	22.92
DC_5A_n78A	30	15	647168	18@9	DFT_16QAM	23.78
DC_5A_n78A	30	15	647168	1@1	DFT_16QAM	23.54
DC_5A_n78A	30	15	647168	1@36	DFT_16QAM	23.61
DC_5A_n78A	30	15	647168	36@0	DFT_64QAM	22.36
DC_5A_n78A	30	15	647168	18@9	DFT_64QAM	22.34
DC_5A_n78A	30	15	647168	1@1	DFT_64QAM	22.16
DC_5A_n78A	30	15	647168	1@36	DFT_64QAM	22.31
DC_5A_n78A	30	15	647168	36@0	DFT_256QAM	20.16
DC_5A_n78A	30	15	647168	18@9	DFT_256QAM	20.23
DC_5A_n78A	30	15	647168	1@1	DFT_256QAM	20.08
DC_5A_n78A	30	15	647168	1@36	DFT_256QAM	20.19
DC_5A_n78A	30	15	647168	38@0	CP_QPSK	21.76
DC_5A_n78A	30	15	647168	19@9	CP_QPSK	23.3
DC_5A_n78A	30	15	647168	1@1	CP_QPSK	23.29
DC_5A_n78A	30	15	647168	1@36	CP_QPSK	23.41
DC_5A_n78A	30	15	650000	36@0	DFT_BPSK	24.62
DC_5A_n78A	30	15	650000	18@9	DFT_BPSK	25.11
DC_5A_n78A	30	15	650000	1@1	DFT_BPSK	25.08
DC_5A_n78A	30	15	650000	1@36	DFT_BPSK	25.15
DC_5A_n78A	30	15	650000	36@0	DFT_QPSK	24.2
DC_5A_n78A	30	15	650000	18@9	DFT_QPSK	25.21
DC_5A_n78A	30	15	650000	1@1	DFT_QPSK	25.05
DC_5A_n78A	30	15	650000	1@36	DFT_QPSK	25.17
DC_5A_n78A	30	15	650000	36@0	DFT_16QAM	23.22
DC_5A_n78A	30	15	650000	18@9	DFT_16QAM	24.18
DC_5A_n78A	30	15	650000	1@1	DFT_16QAM	23.92
DC_5A_n78A	30	15	650000	1@36	DFT_16QAM	24.01
DC_5A_n78A	30	15	650000	36@0	DFT_64QAM	22.73
DC_5A_n78A	30	15	650000	18@9	DFT_64QAM	22.74
DC_5A_n78A	30	15	650000	1@1	DFT_64QAM	22.6
DC_5A_n78A	30	15	650000	1@36	DFT_64QAM	22.64



DC_5A_n78A	30	15	650000	36@0	DFT_256QAM	20.58
DC_5A_n78A	30	15	650000	18@9	DFT_256QAM	20.6
DC_5A_n78A	30	15	650000	1@1	DFT_256QAM	20.5
DC_5A_n78A	30	15	650000	1@36	DFT_256QAM	20.56
DC_5A_n78A	30	15	650000	38@0	CP_QPSK	22.13
DC_5A_n78A	30	15	650000	19@9	CP_QPSK	23.66
DC_5A_n78A	30	15	650000	1@1	CP_QPSK	23.67
DC_5A_n78A	30	15	650000	1@36	CP_QPSK	23.76
DC_5A_n78A	30	15	652832	36@0	DFT_BPSK	24.52
DC_5A_n78A	30	15	652832	18@9	DFT_BPSK	24.98
DC_5A_n78A	30	15	652832	1@1	DFT_BPSK	24.85
DC_5A_n78A	30	15	652832	1@36	DFT_BPSK	25.02
DC_5A_n78A	30	15	652832	36@0	DFT_QPSK	24.02
DC_5A_n78A	30	15	652832	18@9	DFT_QPSK	25.01
DC_5A_n78A	30	15	652832	1@1	DFT_QPSK	24.88
DC_5A_n78A	30	15	652832	1@36	DFT_QPSK	24.96
DC_5A_n78A	30	15	652832	36@0	DFT_16QAM	23.04
DC_5A_n78A	30	15	652832	18@9	DFT_16QAM	23.98
DC_5A_n78A	30	15	652832	1@1	DFT_16QAM	23.74
DC_5A_n78A	30	15	652832	1@36	DFT_16QAM	23.82
DC_5A_n78A	30	15	652832	36@0	DFT_64QAM	22.53
DC_5A_n78A	30	15	652832	18@9	DFT_64QAM	22.6
DC_5A_n78A	30	15	652832	1@1	DFT_64QAM	22.34
DC_5A_n78A	30	15	652832	1@36	DFT_64QAM	22.46
DC_5A_n78A	30	15	652832	36@0	DFT_256QAM	20.4
DC_5A_n78A	30	15	652832	18@9	DFT_256QAM	20.46
DC_5A_n78A	30	15	652832	1@1	DFT_256QAM	20.29
DC_5A_n78A	30	15	652832	1@36	DFT_256QAM	20.42
DC_5A_n78A	30	15	652832	38@0	CP_QPSK	21.94
DC_5A_n78A	30	15	652832	19@9	CP_QPSK	23.54
DC_5A_n78A	30	15	652832	1@1	CP_QPSK	23.46
DC_5A_n78A	30	15	652832	1@36	CP_QPSK	23.56
DC_5A_n78A	30	20	647334	50@0	DFT_BPSK	24.27
DC_5A_n78A	30	20	647334	25@12	DFT_BPSK	24.81
DC_5A_n78A	30	20	647334	1@1	DFT_BPSK	24.68
DC_5A_n78A	30	20	647334	1@49	DFT_BPSK	24.84
DC_5A_n78A	30	20	647334	50@0	DFT_QPSK	23.79
DC_5A_n78A	30	20	647334	25@12	DFT_QPSK	24.77
DC_5A_n78A	30	20	647334	1@1	DFT_QPSK	24.66
DC_5A_n78A	30	20	647334	1@49	DFT_QPSK	24.85
DC_5A_n78A	30	20	647334	50@0	DFT_16QAM	22.85
DC_5A_n78A	30	20	647334	25@12	DFT_16QAM	23.83
DC_5A_n78A	30	20	647334	1@1	DFT_16QAM	23.49
DC_5A_n78A	30	20	647334	1@49	DFT_16QAM	23.66
DC_5A_n78A	30	20	647334	50@0	DFT_64QAM	22.22
DC_5A_n78A	30	20	647334	25@12	DFT_64QAM	22.31
DC_5A_n78A	30	20	647334	1@1	DFT_64QAM	22.16
DC_5A_n78A	30	20	647334	1@49	DFT_64QAM	22.4
DC_5A_n78A	30	20	647334	50@0	DFT_256QAM	20.2
DC_5A_n78A	30	20	647334	25@12	DFT_256QAM	20.25
DC_5A_n78A	30	20	647334	1@1	DFT_256QAM	20.03
DC_5A_n78A	30	20	647334	1@49	DFT_256QAM	20.28
DC_5A_n78A	30	20	647334	51@0	CP_QPSK	21.8
DC_5A_n78A	30	20	647334	25@12	CP_QPSK	23.34
DC_5A_n78A	30	20	647334	1@1	CP_QPSK	23.24
DC_5A_n78A	30	20	647334	1@49	CP_QPSK	23.42
DC_5A_n78A	30	20	650000	50@0	DFT_BPSK	24.65



DC_5A_n78A	30	20	650000	25@12	DFT_BPSK	25.18
DC_5A_n78A	30	20	650000	1@1	DFT_BPSK	25.09
DC_5A_n78A	30	20	650000	1@49	DFT_BPSK	25.17
DC_5A_n78A	30	20	650000	50@0	DFT_QPSK	24.18
DC_5A_n78A	30	20	650000	25@12	DFT_QPSK	25.18
DC_5A_n78A	30	20	650000	1@1	DFT_QPSK	25.09
DC_5A_n78A	30	20	650000	1@49	DFT_QPSK	25.2
DC_5A_n78A	30	20	650000	50@0	DFT_16QAM	23.2
DC_5A_n78A	30	20	650000	25@12	DFT_16QAM	24.16
DC_5A_n78A	30	20	650000	1@1	DFT_16QAM	23.94
DC_5A_n78A	30	20	650000	1@49	DFT_16QAM	24.06
DC_5A_n78A	30	20	650000	50@0	DFT_64QAM	22.63
DC_5A_n78A	30	20	650000	25@12	DFT_64QAM	22.72
DC_5A_n78A	30	20	650000	1@1	DFT_64QAM	22.6
DC_5A_n78A	30	20	650000	1@49	DFT_64QAM	22.78
DC_5A_n78A	30	20	650000	50@0	DFT_256QAM	20.6
DC_5A_n78A	30	20	650000	25@12	DFT_256QAM	20.63
DC_5A_n78A	30	20	650000	1@1	DFT_256QAM	20.51
DC_5A_n78A	30	20	650000	1@49	DFT_256QAM	20.58
DC_5A_n78A	30	20	650000	51@0	CP_QPSK	22.24
DC_5A_n78A	30	20	650000	25@12	CP_QPSK	23.71
DC_5A_n78A	30	20	650000	1@1	CP_QPSK	23.71
DC_5A_n78A	30	20	650000	1@49	CP_QPSK	23.83
DC_5A_n78A	30	20	652666	50@0	DFT_BPSK	24.49
DC_5A_n78A	30	20	652666	25@12	DFT_BPSK	24.94
DC_5A_n78A	30	20	652666	1@1	DFT_BPSK	24.89
DC_5A_n78A	30	20	652666	1@49	DFT_BPSK	25
DC_5A_n78A	30	20	652666	50@0	DFT_QPSK	24.03
DC_5A_n78A	30	20	652666	25@12	DFT_QPSK	25.02
DC_5A_n78A	30	20	652666	1@1	DFT_QPSK	24.91
DC_5A_n78A	30	20	652666	1@49	DFT_QPSK	25.02
DC_5A_n78A	30	20	652666	50@0	DFT_16QAM	22.96
DC_5A_n78A	30	20	652666	25@12	DFT_16QAM	23.97
DC_5A_n78A	30	20	652666	1@1	DFT_16QAM	23.73
DC_5A_n78A	30	20	652666	1@49	DFT_16QAM	23.84
DC_5A_n78A	30	20	652666	50@0	DFT_64QAM	22.49
DC_5A_n78A	30	20	652666	25@12	DFT_64QAM	22.51
DC_5A_n78A	30	20	652666	1@1	DFT_64QAM	22.45
DC_5A_n78A	30	20	652666	1@49	DFT_64QAM	22.54
DC_5A_n78A	30	20	652666	50@0	DFT_256QAM	20.43
DC_5A_n78A	30	20	652666	25@12	DFT_256QAM	20.45
DC_5A_n78A	30	20	652666	1@1	DFT_256QAM	20.32
DC_5A_n78A	30	20	652666	1@49	DFT_256QAM	20.44
DC_5A_n78A	30	20	652666	51@0	CP_QPSK	22.02
DC_5A_n78A	30	20	652666	25@12	CP_QPSK	23.53
DC_5A_n78A	30	20	652666	1@1	CP_QPSK	23.46
DC_5A_n78A	30	20	652666	1@49	CP_QPSK	23.58
DC_5A_n78A	30	40	648000	100@0	DFT_BPSK	24.39
DC_5A_n78A	30	40	648000	50@25	DFT_BPSK	24.94
DC_5A_n78A	30	40	648000	1@1	DFT_BPSK	24.62
DC_5A_n78A	30	40	648000	1@104	DFT_BPSK	25.03
DC_5A_n78A	30	40	648000	100@0	DFT_QPSK	23.93
DC_5A_n78A	30	40	648000	50@25	DFT_QPSK	24.9
DC_5A_n78A	30	40	648000	1@1	DFT_QPSK	24.6
DC_5A_n78A	30	40	648000	1@104	DFT_QPSK	24.99
DC_5A_n78A	30	40	648000	100@0	DFT_16QAM	22.95
DC_5A_n78A	30	40	648000	50@25	DFT_16QAM	23.94



DC_5A_n78A	30	40	648000	1@1	DFT_16QAM	23.4
DC_5A_n78A	30	40	648000	1@104	DFT_16QAM	23.8
DC_5A_n78A	30	40	648000	100@0	DFT_64QAM	22.44
DC_5A_n78A	30	40	648000	50@25	DFT_64QAM	22.48
DC_5A_n78A	30	40	648000	1@1	DFT_64QAM	22.14
DC_5A_n78A	30	40	648000	1@104	DFT_64QAM	22.54
DC_5A_n78A	30	40	648000	100@0	DFT_256QAM	20.33
DC_5A_n78A	30	40	648000	50@25	DFT_256QAM	20.31
DC_5A_n78A	30	40	648000	1@1	DFT_256QAM	19.95
DC_5A_n78A	30	40	648000	1@104	DFT_256QAM	20.36
DC_5A_n78A	30	40	648000	106@0	CP_QPSK	21.95
DC_5A_n78A	30	40	648000	53@26	CP_QPSK	23.46
DC_5A_n78A	30	40	648000	1@1	CP_QPSK	23.22
DC_5A_n78A	30	40	648000	1@104	CP_QPSK	23.58
DC_5A_n78A	30	40	650000	100@0	DFT_BPSK	24.69
DC_5A_n78A	30	40	650000	50@25	DFT_BPSK	25.17
DC_5A_n78A	30	40	650000	1@1	DFT_BPSK	25.06
DC_5A_n78A	30	40	650000	1@104	DFT_BPSK	25.22
DC_5A_n78A	30	40	650000	100@0	DFT_QPSK	24.24
DC_5A_n78A	30	40	650000	50@25	DFT_QPSK	25.21
DC_5A_n78A	30	40	650000	1@1	DFT_QPSK	25.04
DC_5A_n78A	30	40	650000	1@104	DFT_QPSK	25.22
DC_5A_n78A	30	40	650000	100@0	DFT_16QAM	23.26
DC_5A_n78A	30	40	650000	50@25	DFT_16QAM	24.23
DC_5A_n78A	30	40	650000	1@1	DFT_16QAM	23.89
DC_5A_n78A	30	40	650000	1@104	DFT_16QAM	24.04
DC_5A_n78A	30	40	650000	100@0	DFT_64QAM	22.76
DC_5A_n78A	30	40	650000	50@25	DFT_64QAM	22.78
DC_5A_n78A	30	40	650000	1@1	DFT_64QAM	22.59
DC_5A_n78A	30	40	650000	1@104	DFT_64QAM	22.72
DC_5A_n78A	30	40	650000	100@0	DFT_256QAM	20.58
DC_5A_n78A	30	40	650000	50@25	DFT_256QAM	20.63
DC_5A_n78A	30	40	650000	1@1	DFT_256QAM	20.42
DC_5A_n78A	30	40	650000	1@104	DFT_256QAM	20.6
DC_5A_n78A	30	40	650000	106@0	CP_QPSK	22.25
DC_5A_n78A	30	40	650000	53@26	CP_QPSK	23.86
DC_5A_n78A	30	40	650000	1@1	CP_QPSK	23.66
DC_5A_n78A	30	40	650000	1@104	CP_QPSK	23.79
DC_5A_n78A	30	40	652000	100@0	DFT_BPSK	24.58
DC_5A_n78A	30	40	652000	50@25	DFT_BPSK	25.08
DC_5A_n78A	30	40	652000	1@1	DFT_BPSK	24.93
DC_5A_n78A	30	40	652000	1@104	DFT_BPSK	25.07
DC_5A_n78A	30	40	652000	100@0	DFT_QPSK	24.1
DC_5A_n78A	30	40	652000	50@25	DFT_QPSK	25.07
DC_5A_n78A	30	40	652000	1@1	DFT_QPSK	24.96
DC_5A_n78A	30	40	652000	1@104	DFT_QPSK	25.09
DC_5A_n78A	30	40	652000	100@0	DFT_16QAM	23.11
DC_5A_n78A	30	40	652000	50@25	DFT_16QAM	24.1
DC_5A_n78A	30	40	652000	1@1	DFT_16QAM	23.76
DC_5A_n78A	30	40	652000	1@104	DFT_16QAM	23.87
DC_5A_n78A	30	40	652000	100@0	DFT_64QAM	22.64
DC_5A_n78A	30	40	652000	50@25	DFT_64QAM	22.58
DC_5A_n78A	30	40	652000	1@1	DFT_64QAM	22.47
DC_5A_n78A	30	40	652000	1@104	DFT_64QAM	22.56
DC_5A_n78A	30	40	652000	100@0	DFT_256QAM	20.49
DC_5A_n78A	30	40	652000	50@25	DFT_256QAM	20.48
DC_5A_n78A	30	40	652000	1@1	DFT_256QAM	20.31



DC_5A_n78A	30	40	652000	1@104	DFT_256QAM	20.44
DC_5A_n78A	30	40	652000	106@0	CP_QPSK	22.12
DC_5A_n78A	30	40	652000	53@26	CP_QPSK	23.6
DC_5A_n78A	30	40	652000	1@1	CP_QPSK	23.5
DC_5A_n78A	30	40	652000	1@104	CP_QPSK	23.62
DC_5A_n78A	30	50	648334	128@0	DFT_BPSK	24.49
DC_5A_n78A	30	50	648334	64@32	DFT_BPSK	24.98
DC_5A_n78A	30	50	648334	1@1	DFT_BPSK	24.55
DC_5A_n78A	30	50	648334	1@131	DFT_BPSK	25.03
DC_5A_n78A	30	50	648334	128@0	DFT_QPSK	23.95
DC_5A_n78A	30	50	648334	64@32	DFT_QPSK	25.02
DC_5A_n78A	30	50	648334	1@1	DFT_QPSK	24.59
DC_5A_n78A	30	50	648334	1@131	DFT_QPSK	25.04
DC_5A_n78A	30	50	648334	128@0	DFT_16QAM	23.01
DC_5A_n78A	30	50	648334	64@32	DFT_16QAM	23.99
DC_5A_n78A	30	50	648334	1@1	DFT_16QAM	23.41
DC_5A_n78A	30	50	648334	1@131	DFT_16QAM	23.85
DC_5A_n78A	30	50	648334	128@0	DFT_64QAM	22.53
DC_5A_n78A	30	50	648334	64@32	DFT_64QAM	22.51
DC_5A_n78A	30	50	648334	1@1	DFT_64QAM	22.12
DC_5A_n78A	30	50	648334	1@131	DFT_64QAM	22.49
DC_5A_n78A	30	50	648334	128@0	DFT_256QAM	20.37
DC_5A_n78A	30	50	648334	64@32	DFT_256QAM	20.46
DC_5A_n78A	30	50	648334	1@1	DFT_256QAM	19.92
DC_5A_n78A	30	50	648334	1@131	DFT_256QAM	20.35
DC_5A_n78A	30	50	648334	133@0	CP_QPSK	22.03
DC_5A_n78A	30	50	648334	67@33	CP_QPSK	23.53
DC_5A_n78A	30	50	648334	1@1	CP_QPSK	23.18
DC_5A_n78A	30	50	648334	1@131	CP_QPSK	23.61
DC_5A_n78A	30	50	650000	128@0	DFT_BPSK	24.69
DC_5A_n78A	30	50	650000	64@32	DFT_BPSK	25.12
DC_5A_n78A	30	50	650000	1@1	DFT_BPSK	24.95
DC_5A_n78A	30	50	650000	1@131	DFT_BPSK	25.14
DC_5A_n78A	30	50	650000	128@0	DFT_QPSK	24.22
DC_5A_n78A	30	50	650000	64@32	DFT_QPSK	25.15
DC_5A_n78A	30	50	650000	1@1	DFT_QPSK	24.97
DC_5A_n78A	30	50	650000	1@131	DFT_QPSK	25.21
DC_5A_n78A	30	50	650000	128@0	DFT_16QAM	23.28
DC_5A_n78A	30	50	650000	64@32	DFT_16QAM	24.25
DC_5A_n78A	30	50	650000	1@1	DFT_16QAM	23.81
DC_5A_n78A	30	50	650000	1@131	DFT_16QAM	24.02
DC_5A_n78A	30	50	650000	128@0	DFT_64QAM	22.75
DC_5A_n78A	30	50	650000	64@32	DFT_64QAM	22.8
DC_5A_n78A	30	50	650000	1@1	DFT_64QAM	22.47
DC_5A_n78A	30	50	650000	1@131	DFT_64QAM	22.71
DC_5A_n78A	30	50	650000	128@0	DFT_256QAM	20.66
DC_5A_n78A	30	50	650000	64@32	DFT_256QAM	20.7
DC_5A_n78A	30	50	650000	1@1	DFT_256QAM	20.29
DC_5A_n78A	30	50	650000	1@131	DFT_256QAM	20.58
DC_5A_n78A	30	50	650000	133@0	CP_QPSK	22.25
DC_5A_n78A	30	50	650000	67@33	CP_QPSK	23.78
DC_5A_n78A	30	50	650000	1@1	CP_QPSK	23.56
DC_5A_n78A	30	50	650000	1@131	CP_QPSK	23.78
DC_5A_n78A	30	50	651666	128@0	DFT_BPSK	24.59
DC_5A_n78A	30	50	651666	64@32	DFT_BPSK	25.11
DC_5A_n78A	30	50	651666	1@1	DFT_BPSK	24.82
DC_5A_n78A	30	50	651666	1@131	DFT_BPSK	25.02



DC_5A_n78A	30	50	651666	128@0	DFT_QPSK	24.1
DC_5A_n78A	30	50	651666	64@32	DFT_QPSK	25.13
DC_5A_n78A	30	50	651666	1@1	DFT_QPSK	24.85
DC_5A_n78A	30	50	651666	1@131	DFT_QPSK	25.05
DC_5A_n78A	30	50	651666	128@0	DFT_16QAM	23.1
DC_5A_n78A	30	50	651666	64@32	DFT_16QAM	24.07
DC_5A_n78A	30	50	651666	1@1	DFT_16QAM	23.73
DC_5A_n78A	30	50	651666	1@131	DFT_16QAM	23.88
DC_5A_n78A	30	50	651666	128@0	DFT_64QAM	22.63
DC_5A_n78A	30	50	651666	64@32	DFT_64QAM	22.64
DC_5A_n78A	30	50	651666	1@1	DFT_64QAM	22.36
DC_5A_n78A	30	50	651666	1@131	DFT_64QAM	22.61
DC_5A_n78A	30	50	651666	128@0	DFT_256QAM	20.49
DC_5A_n78A	30	50	651666	64@32	DFT_256QAM	20.56
DC_5A_n78A	30	50	651666	1@1	DFT_256QAM	20.2
DC_5A_n78A	30	50	651666	1@131	DFT_256QAM	20.45
DC_5A_n78A	30	50	651666	133@0	CP_QPSK	22.08
DC_5A_n78A	30	50	651666	67@33	CP_QPSK	23.62
DC_5A_n78A	30	50	651666	1@1	CP_QPSK	23.43
DC_5A_n78A	30	50	651666	1@131	CP_QPSK	23.65
DC_5A_n78A	30	60	648668	162@0	DFT_BPSK	24.43
DC_5A_n78A	30	60	648668	81@40	DFT_BPSK	25.02
DC_5A_n78A	30	60	648668	1@1	DFT_BPSK	24.55
DC_5A_n78A	30	60	648668	1@160	DFT_BPSK	25.05
DC_5A_n78A	30	60	648668	162@0	DFT_QPSK	23.96
DC_5A_n78A	30	60	648668	81@40	DFT_QPSK	24.99
DC_5A_n78A	30	60	648668	1@1	DFT_QPSK	24.56
DC_5A_n78A	30	60	648668	1@160	DFT_QPSK	25.05
DC_5A_n78A	30	60	648668	162@0	DFT_16QAM	22.98
DC_5A_n78A	30	60	648668	81@40	DFT_16QAM	24.04
DC_5A_n78A	30	60	648668	1@1	DFT_16QAM	23.39
DC_5A_n78A	30	60	648668	1@160	DFT_16QAM	23.93
DC_5A_n78A	30	60	648668	162@0	DFT_64QAM	22.46
DC_5A_n78A	30	60	648668	81@40	DFT_64QAM	22.55
DC_5A_n78A	30	60	648668	1@1	DFT_64QAM	22.04
DC_5A_n78A	30	60	648668	1@160	DFT_64QAM	22.48
DC_5A_n78A	30	60	648668	162@0	DFT_256QAM	20.37
DC_5A_n78A	30	60	648668	81@40	DFT_256QAM	20.4
DC_5A_n78A	30	60	648668	1@1	DFT_256QAM	19.87
DC_5A_n78A	30	60	648668	1@160	DFT_256QAM	20.41
DC_5A_n78A	30	60	648668	162@0	CP_QPSK	22.02
DC_5A_n78A	30	60	648668	81@40	CP_QPSK	23.52
DC_5A_n78A	30	60	648668	1@1	CP_QPSK	23.14
DC_5A_n78A	30	60	648668	1@160	CP_QPSK	23.63
DC_5A_n78A	30	60	650000	162@0	DFT_BPSK	24.65
DC_5A_n78A	30	60	650000	81@40	DFT_BPSK	25.19
DC_5A_n78A	30	60	650000	1@1	DFT_BPSK	24.84
DC_5A_n78A	30	60	650000	1@160	DFT_BPSK	25.14
DC_5A_n78A	30	60	650000	162@0	DFT_QPSK	24.19
DC_5A_n78A	30	60	650000	81@40	DFT_QPSK	25.17
DC_5A_n78A	30	60	650000	1@1	DFT_QPSK	24.86
DC_5A_n78A	30	60	650000	1@160	DFT_QPSK	25.17
DC_5A_n78A	30	60	650000	162@0	DFT_16QAM	23.19
DC_5A_n78A	30	60	650000	81@40	DFT_16QAM	24.25
DC_5A_n78A	30	60	650000	1@1	DFT_16QAM	23.68
DC_5A_n78A	30	60	650000	1@160	DFT_16QAM	23.99
DC_5A_n78A	30	60	650000	162@0	DFT_64QAM	22.73



DC_5A_n78A	30	60	650000	81@40	DFT_64QAM	22.77
DC_5A_n78A	30	60	650000	1@1	DFT_64QAM	22.35
DC_5A_n78A	30	60	650000	1@160	DFT_64QAM	22.64
DC_5A_n78A	30	60	650000	162@0	DFT_256QAM	20.61
DC_5A_n78A	30	60	650000	81@40	DFT_256QAM	20.6
DC_5A_n78A	30	60	650000	1@1	DFT_256QAM	20.21
DC_5A_n78A	30	60	650000	1@160	DFT_256QAM	20.5
DC_5A_n78A	30	60	650000	162@0	CP_QPSK	22.21
DC_5A_n78A	30	60	650000	81@40	CP_QPSK	23.73
DC_5A_n78A	30	60	650000	1@1	CP_QPSK	23.46
DC_5A_n78A	30	60	650000	1@160	CP_QPSK	23.76
DC_5A_n78A	30	60	651332	162@0	DFT_BPSK	24.61
DC_5A_n78A	30	60	651332	81@40	DFT_BPSK	25.09
DC_5A_n78A	30	60	651332	1@1	DFT_BPSK	24.87
DC_5A_n78A	30	60	651332	1@160	DFT_BPSK	25.12
DC_5A_n78A	30	60	651332	162@0	DFT_QPSK	24.09
DC_5A_n78A	30	60	651332	81@40	DFT_QPSK	25.11
DC_5A_n78A	30	60	651332	1@1	DFT_QPSK	24.89
DC_5A_n78A	30	60	651332	1@160	DFT_QPSK	25.12
DC_5A_n78A	30	60	651332	162@0	DFT_16QAM	23.14
DC_5A_n78A	30	60	651332	81@40	DFT_16QAM	24.14
DC_5A_n78A	30	60	651332	1@1	DFT_16QAM	23.74
DC_5A_n78A	30	60	651332	1@160	DFT_16QAM	23.97
DC_5A_n78A	30	60	651332	162@0	DFT_64QAM	22.6
DC_5A_n78A	30	60	651332	81@40	DFT_64QAM	22.65
DC_5A_n78A	30	60	651332	1@1	DFT_64QAM	22.31
DC_5A_n78A	30	60	651332	1@160	DFT_64QAM	22.56
DC_5A_n78A	30	60	651332	162@0	DFT_256QAM	20.52
DC_5A_n78A	30	60	651332	81@40	DFT_256QAM	20.52
DC_5A_n78A	30	60	651332	1@1	DFT_256QAM	20.23
DC_5A_n78A	30	60	651332	1@160	DFT_256QAM	20.53
DC_5A_n78A	30	60	651332	162@0	CP_QPSK	22.12
DC_5A_n78A	30	60	651332	81@40	CP_QPSK	23.57
DC_5A_n78A	30	60	651332	1@1	CP_QPSK	23.47
DC_5A_n78A	30	60	651332	1@160	CP_QPSK	23.69
DC_5A_n78A	30	70	649000	180@0	DFT_BPSK	24.61
DC_5A_n78A	30	70	649000	90@45	DFT_BPSK	25.17
DC_5A_n78A	30	70	649000	1@1	DFT_BPSK	24.77
DC_5A_n78A	30	70	649000	1@187	DFT_BPSK	25.11
DC_5A_n78A	30	70	649000	180@0	DFT_QPSK	24.14
DC_5A_n78A	30	70	649000	90@45	DFT_QPSK	25.17
DC_5A_n78A	30	70	649000	1@1	DFT_QPSK	24.77
DC_5A_n78A	30	70	649000	1@187	DFT_QPSK	25.2
DC_5A_n78A	30	70	649000	180@0	DFT_16QAM	23.17
DC_5A_n78A	30	70	649000	90@45	DFT_16QAM	24.19
DC_5A_n78A	30	70	649000	1@1	DFT_16QAM	23.6
DC_5A_n78A	30	70	649000	1@187	DFT_16QAM	24.05
DC_5A_n78A	30	70	649000	180@0	DFT_64QAM	22.67
DC_5A_n78A	30	70	649000	90@45	DFT_64QAM	22.69
DC_5A_n78A	30	70	649000	1@1	DFT_64QAM	22.21
DC_5A_n78A	30	70	649000	1@187	DFT_64QAM	22.68
DC_5A_n78A	30	70	649000	180@0	DFT_256QAM	20.58
DC_5A_n78A	30	70	649000	90@45	DFT_256QAM	20.6
DC_5A_n78A	30	70	649000	1@1	DFT_256QAM	20.14
DC_5A_n78A	30	70	649000	1@187	DFT_256QAM	20.6
DC_5A_n78A	30	70	649000	189@0	CP_QPSK	22.16
DC_5A_n78A	30	70	649000	95@47	CP_QPSK	23.63



DC_5A_n78A	30	70	649000	1@1	CP_QPSK	23.34
DC_5A_n78A	30	70	649000	1@187	CP_QPSK	23.79
DC_5A_n78A	30	70	650000	180@0	DFT_BPSK	24.67
DC_5A_n78A	30	70	650000	90@45	DFT_BPSK	25.2
DC_5A_n78A	30	70	650000	1@1	DFT_BPSK	24.87
DC_5A_n78A	30	70	650000	1@187	DFT_BPSK	25.15
DC_5A_n78A	30	70	650000	180@0	DFT_QPSK	24.17
DC_5A_n78A	30	70	650000	90@45	DFT_QPSK	25.14
DC_5A_n78A	30	70	650000	1@1	DFT_QPSK	24.87
DC_5A_n78A	30	70	650000	1@187	DFT_QPSK	25.16
DC_5A_n78A	30	70	650000	180@0	DFT_16QAM	23.18
DC_5A_n78A	30	70	650000	90@45	DFT_16QAM	24.28
DC_5A_n78A	30	70	650000	1@1	DFT_16QAM	23.73
DC_5A_n78A	30	70	650000	1@187	DFT_16QAM	24
DC_5A_n78A	30	70	650000	180@0	DFT_64QAM	22.72
DC_5A_n78A	30	70	650000	90@45	DFT_64QAM	22.75
DC_5A_n78A	30	70	650000	1@1	DFT_64QAM	22.31
DC_5A_n78A	30	70	650000	1@187	DFT_64QAM	22.61
DC_5A_n78A	30	70	650000	180@0	DFT_256QAM	20.68
DC_5A_n78A	30	70	650000	90@45	DFT_256QAM	20.68
DC_5A_n78A	30	70	650000	1@1	DFT_256QAM	20.3
DC_5A_n78A	30	70	650000	1@187	DFT_256QAM	20.59
DC_5A_n78A	30	70	650000	189@0	CP_QPSK	22.23
DC_5A_n78A	30	70	650000	95@47	CP_QPSK	23.74
DC_5A_n78A	30	70	650000	1@1	CP_QPSK	23.52
DC_5A_n78A	30	70	650000	1@187	CP_QPSK	23.75
DC_5A_n78A	30	70	651000	180@0	DFT_BPSK	24.65
DC_5A_n78A	30	70	651000	90@45	DFT_BPSK	25.15
DC_5A_n78A	30	70	651000	1@1	DFT_BPSK	24.96
DC_5A_n78A	30	70	651000	1@187	DFT_BPSK	25.18
DC_5A_n78A	30	70	651000	180@0	DFT_QPSK	24.16
DC_5A_n78A	30	70	651000	90@45	DFT_QPSK	25.17
DC_5A_n78A	30	70	651000	1@1	DFT_QPSK	24.97
DC_5A_n78A	30	70	651000	1@187	DFT_QPSK	25.16
DC_5A_n78A	30	70	651000	180@0	DFT_16QAM	23.2
DC_5A_n78A	30	70	651000	90@45	DFT_16QAM	24.21
DC_5A_n78A	30	70	651000	1@1	DFT_16QAM	23.83
DC_5A_n78A	30	70	651000	1@187	DFT_16QAM	24.1
DC_5A_n78A	30	70	651000	180@0	DFT_64QAM	22.71
DC_5A_n78A	30	70	651000	90@45	DFT_64QAM	22.69
DC_5A_n78A	30	70	651000	1@1	DFT_64QAM	22.45
DC_5A_n78A	30	70	651000	1@187	DFT_64QAM	22.65
DC_5A_n78A	30	70	651000	180@0	DFT_256QAM	20.62
DC_5A_n78A	30	70	651000	90@45	DFT_256QAM	20.65
DC_5A_n78A	30	70	651000	1@1	DFT_256QAM	20.4
DC_5A_n78A	30	70	651000	1@187	DFT_256QAM	20.69
DC_5A_n78A	30	70	651000	189@0	CP_QPSK	22.19
DC_5A_n78A	30	70	651000	95@47	CP_QPSK	23.71
DC_5A_n78A	30	70	651000	1@1	CP_QPSK	23.58
DC_5A_n78A	30	70	651000	1@187	CP_QPSK	23.78
DC_5A_n78A	30	80	649334	216@0	DFT_BPSK	24.62
DC_5A_n78A	30	80	649334	108@54	DFT_BPSK	25.15
DC_5A_n78A	30	80	649334	1@1	DFT_BPSK	24.81
DC_5A_n78A	30	80	649334	1@215	DFT_BPSK	25.2
DC_5A_n78A	30	80	649334	216@0	DFT_QPSK	24.17
DC_5A_n78A	30	80	649334	108@54	DFT_QPSK	25.19
DC_5A_n78A	30	80	649334	1@1	DFT_QPSK	24.78



DC_5A_n78A	30	80	649334	1@215	DFT_QPSK	25.21
DC_5A_n78A	30	80	649334	216@0	DFT_16QAM	23.18
DC_5A_n78A	30	80	649334	108@54	DFT_16QAM	24.22
DC_5A_n78A	30	80	649334	1@1	DFT_16QAM	23.59
DC_5A_n78A	30	80	649334	1@215	DFT_16QAM	24
DC_5A_n78A	30	80	649334	216@0	DFT_64QAM	22.63
DC_5A_n78A	30	80	649334	108@54	DFT_64QAM	22.73
DC_5A_n78A	30	80	649334	1@1	DFT_64QAM	22.25
DC_5A_n78A	30	80	649334	1@215	DFT_64QAM	22.66
DC_5A_n78A	30	80	649334	216@0	DFT_256QAM	20.56
DC_5A_n78A	30	80	649334	108@54	DFT_256QAM	20.68
DC_5A_n78A	30	80	649334	1@1	DFT_256QAM	20.14
DC_5A_n78A	30	80	649334	1@215	DFT_256QAM	20.6
DC_5A_n78A	30	80	649334	217@0	CP_QPSK	22.14
DC_5A_n78A	30	80	649334	109@54	CP_QPSK	23.63
DC_5A_n78A	30	80	649334	1@1	CP_QPSK	23.35
DC_5A_n78A	30	80	649334	1@215	CP_QPSK	23.75
DC_5A_n78A	30	80	650000	216@0	DFT_BPSK	24.68
DC_5A_n78A	30	80	650000	108@54	DFT_BPSK	25.11
DC_5A_n78A	30	80	650000	1@1	DFT_BPSK	24.88
DC_5A_n78A	30	80	650000	1@215	DFT_BPSK	25.2
DC_5A_n78A	30	80	650000	216@0	DFT_QPSK	24.19
DC_5A_n78A	30	80	650000	108@54	DFT_QPSK	25.13
DC_5A_n78A	30	80	650000	1@1	DFT_QPSK	24.89
DC_5A_n78A	30	80	650000	1@215	DFT_QPSK	25.11
DC_5A_n78A	30	80	650000	216@0	DFT_16QAM	23.18
DC_5A_n78A	30	80	650000	108@54	DFT_16QAM	24.3
DC_5A_n78A	30	80	650000	1@1	DFT_16QAM	23.65
DC_5A_n78A	30	80	650000	1@215	DFT_16QAM	24.01
DC_5A_n78A	30	80	650000	216@0	DFT_64QAM	22.74
DC_5A_n78A	30	80	650000	108@54	DFT_64QAM	22.77
DC_5A_n78A	30	80	650000	1@1	DFT_64QAM	22.39
DC_5A_n78A	30	80	650000	1@215	DFT_64QAM	22.68
DC_5A_n78A	30	80	650000	216@0	DFT_256QAM	20.66
DC_5A_n78A	30	80	650000	108@54	DFT_256QAM	20.69
DC_5A_n78A	30	80	650000	1@1	DFT_256QAM	20.27
DC_5A_n78A	30	80	650000	1@215	DFT_256QAM	20.63
DC_5A_n78A	30	80	650000	217@0	CP_QPSK	22.21
DC_5A_n78A	30	80	650000	109@54	CP_QPSK	23.73
DC_5A_n78A	30	80	650000	1@1	CP_QPSK	23.45
DC_5A_n78A	30	80	650000	1@215	CP_QPSK	23.8
DC_5A_n78A	30	80	650666	216@0	DFT_BPSK	24.62
DC_5A_n78A	30	80	650666	108@54	DFT_BPSK	25.21
DC_5A_n78A	30	80	650666	1@1	DFT_BPSK	24.88
DC_5A_n78A	30	80	650666	1@215	DFT_BPSK	25.19
DC_5A_n78A	30	80	650666	216@0	DFT_QPSK	24.14
DC_5A_n78A	30	80	650666	108@54	DFT_QPSK	25.19
DC_5A_n78A	30	80	650666	1@1	DFT_QPSK	24.88
DC_5A_n78A	30	80	650666	1@215	DFT_QPSK	25.2
DC_5A_n78A	30	80	650666	216@0	DFT_16QAM	23.14
DC_5A_n78A	30	80	650666	108@54	DFT_16QAM	24.2
DC_5A_n78A	30	80	650666	1@1	DFT_16QAM	23.73
DC_5A_n78A	30	80	650666	1@215	DFT_16QAM	24
DC_5A_n78A	30	80	650666	216@0	DFT_64QAM	22.66
DC_5A_n78A	30	80	650666	108@54	DFT_64QAM	22.7
DC_5A_n78A	30	80	650666	1@1	DFT_64QAM	22.39
DC_5A_n78A	30	80	650666	1@215	DFT_64QAM	22.67



DC_5A_n78A	30	80	650666	216@0	DFT_256QAM	20.63
DC_5A_n78A	30	80	650666	108@54	DFT_256QAM	20.62
DC_5A_n78A	30	80	650666	1@1	DFT_256QAM	20.28
DC_5A_n78A	30	80	650666	1@215	DFT_256QAM	20.63
DC_5A_n78A	30	80	650666	217@0	CP_QPSK	22.13
DC_5A_n78A	30	80	650666	109@54	CP_QPSK	23.72
DC_5A_n78A	30	80	650666	1@1	CP_QPSK	23.43
DC_5A_n78A	30	80	650666	1@215	CP_QPSK	23.77
DC_5A_n78A	30	90	649668	243@0	DFT_BPSK	24.7
DC_5A_n78A	30	90	649668	120@60	DFT_BPSK	25.12
DC_5A_n78A	30	90	649668	1@1	DFT_BPSK	24.78
DC_5A_n78A	30	90	649668	1@243	DFT_BPSK	25.21
DC_5A_n78A	30	90	649668	243@0	DFT_QPSK	24.25
DC_5A_n78A	30	90	649668	120@60	DFT_QPSK	25.13
DC_5A_n78A	30	90	649668	1@1	DFT_QPSK	24.8
DC_5A_n78A	30	90	649668	1@243	DFT_QPSK	25.12
DC_5A_n78A	30	90	649668	243@0	DFT_16QAM	23.26
DC_5A_n78A	30	90	649668	120@60	DFT_16QAM	24.3
DC_5A_n78A	30	90	649668	1@1	DFT_16QAM	23.58
DC_5A_n78A	30	90	649668	1@243	DFT_16QAM	24.02
DC_5A_n78A	30	90	649668	243@0	DFT_64QAM	22.79
DC_5A_n78A	30	90	649668	120@60	DFT_64QAM	22.79
DC_5A_n78A	30	90	649668	1@1	DFT_64QAM	22.3
DC_5A_n78A	30	90	649668	1@243	DFT_64QAM	22.68
DC_5A_n78A	30	90	649668	243@0	DFT_256QAM	20.64
DC_5A_n78A	30	90	649668	120@60	DFT_256QAM	20.72
DC_5A_n78A	30	90	649668	1@1	DFT_256QAM	20.15
DC_5A_n78A	30	90	649668	1@243	DFT_256QAM	20.67
DC_5A_n78A	30	90	649668	245@0	CP_QPSK	22.25
DC_5A_n78A	30	90	649668	123@61	CP_QPSK	23.76
DC_5A_n78A	30	90	649668	1@1	CP_QPSK	23.35
DC_5A_n78A	30	90	649668	1@243	CP_QPSK	23.75
DC_5A_n78A	30	90	650000	243@0	DFT_BPSK	24.64
DC_5A_n78A	30	90	650000	120@60	DFT_BPSK	25.16
DC_5A_n78A	30	90	650000	1@1	DFT_BPSK	24.8
DC_5A_n78A	30	90	650000	1@243	DFT_BPSK	25.11
DC_5A_n78A	30	90	650000	243@0	DFT_QPSK	24.18
DC_5A_n78A	30	90	650000	120@60	DFT_QPSK	25.11
DC_5A_n78A	30	90	650000	1@1	DFT_QPSK	24.82
DC_5A_n78A	30	90	650000	1@243	DFT_QPSK	25.16
DC_5A_n78A	30	90	650000	243@0	DFT_16QAM	23.22
DC_5A_n78A	30	90	650000	120@60	DFT_16QAM	24.29
DC_5A_n78A	30	90	650000	1@1	DFT_16QAM	23.57
DC_5A_n78A	30	90	650000	1@243	DFT_16QAM	24.07
DC_5A_n78A	30	90	650000	243@0	DFT_64QAM	22.73
DC_5A_n78A	30	90	650000	120@60	DFT_64QAM	22.77
DC_5A_n78A	30	90	650000	1@1	DFT_64QAM	22.3
DC_5A_n78A	30	90	650000	1@243	DFT_64QAM	22.71
DC_5A_n78A	30	90	650000	243@0	DFT_256QAM	20.68
DC_5A_n78A	30	90	650000	120@60	DFT_256QAM	20.7
DC_5A_n78A	30	90	650000	1@1	DFT_256QAM	20.14
DC_5A_n78A	30	90	650000	1@243	DFT_256QAM	20.63
DC_5A_n78A	30	90	650000	245@0	CP_QPSK	22.24
DC_5A_n78A	30	90	650000	123@61	CP_QPSK	23.73
DC_5A_n78A	30	90	650000	1@1	CP_QPSK	23.43
DC_5A_n78A	30	90	650000	1@243	CP_QPSK	23.87
DC_5A_n78A	30	90	650332	243@0	DFT_BPSK	24.6



DC_5A_n78A	30	90	650332	120@60	DFT_BPSK	25.21
DC_5A_n78A	30	90	650332	1@1	DFT_BPSK	24.75
DC_5A_n78A	30	90	650332	1@243	DFT_BPSK	25.14
DC_5A_n78A	30	90	650332	243@0	DFT_QPSK	24.16
DC_5A_n78A	30	90	650332	120@60	DFT_QPSK	25.16
DC_5A_n78A	30	90	650332	1@1	DFT_QPSK	24.78
DC_5A_n78A	30	90	650332	1@243	DFT_QPSK	25.18
DC_5A_n78A	30	90	650332	243@0	DFT_16QAM	23.16
DC_5A_n78A	30	90	650332	120@60	DFT_16QAM	24.21
DC_5A_n78A	30	90	650332	1@1	DFT_16QAM	23.61
DC_5A_n78A	30	90	650332	1@243	DFT_16QAM	23.96
DC_5A_n78A	30	90	650332	243@0	DFT_64QAM	22.68
DC_5A_n78A	30	90	650332	120@60	DFT_64QAM	22.71
DC_5A_n78A	30	90	650332	1@1	DFT_64QAM	22.26
DC_5A_n78A	30	90	650332	1@243	DFT_64QAM	22.68
DC_5A_n78A	30	90	650332	243@0	DFT_256QAM	20.64
DC_5A_n78A	30	90	650332	120@60	DFT_256QAM	20.64
DC_5A_n78A	30	90	650332	1@1	DFT_256QAM	20.2
DC_5A_n78A	30	90	650332	1@243	DFT_256QAM	20.69
DC_5A_n78A	30	90	650332	245@0	CP_QPSK	22.19
DC_5A_n78A	30	90	650332	123@61	CP_QPSK	23.68
DC_5A_n78A	30	90	650332	1@1	CP_QPSK	23.37
DC_5A_n78A	30	90	650332	1@243	CP_QPSK	23.81
DC_5A_n78A	30	100	650000	270@0	DFT_BPSK	24.63
DC_5A_n78A	30	100	650000	135@67	DFT_BPSK	25.13
DC_5A_n78A	30	100	650000	1@1	DFT_BPSK	24.75
DC_5A_n78A	30	100	650000	1@271	DFT_BPSK	25.15
DC_5A_n78A	30	100	650000	270@0	DFT_QPSK	24.19
DC_5A_n78A	30	100	650000	135@67	DFT_QPSK	25.22
DC_5A_n78A	30	100	650000	1@1	DFT_QPSK	24.75
DC_5A_n78A	30	100	650000	1@271	DFT_QPSK	25.13
DC_5A_n78A	30	100	650000	270@0	DFT_16QAM	23.16
DC_5A_n78A	30	100	650000	135@67	DFT_16QAM	24.25
DC_5A_n78A	30	100	650000	1@1	DFT_16QAM	23.59
DC_5A_n78A	30	100	650000	1@271	DFT_16QAM	24.08
DC_5A_n78A	30	100	650000	270@0	DFT_64QAM	22.69
DC_5A_n78A	30	100	650000	135@67	DFT_64QAM	22.76
DC_5A_n78A	30	100	650000	1@1	DFT_64QAM	22.28
DC_5A_n78A	30	100	650000	1@271	DFT_64QAM	22.79
DC_5A_n78A	30	100	650000	270@0	DFT_256QAM	20.64
DC_5A_n78A	30	100	650000	135@67	DFT_256QAM	20.69
DC_5A_n78A	30	100	650000	1@1	DFT_256QAM	20.11
DC_5A_n78A	30	100	650000	1@271	DFT_256QAM	20.71
DC_5A_n78A	30	100	650000	273@0	CP_QPSK	22.22
DC_5A_n78A	30	100	650000	137@68	CP_QPSK	23.76
DC_5A_n78A	30	100	650000	1@1	CP_QPSK	23.32
DC_5A_n78A	30	100	650000	1@271	CP_QPSK	23.86



11. EUT and Test Setup Photo

11.1 EUT Photos

Front side

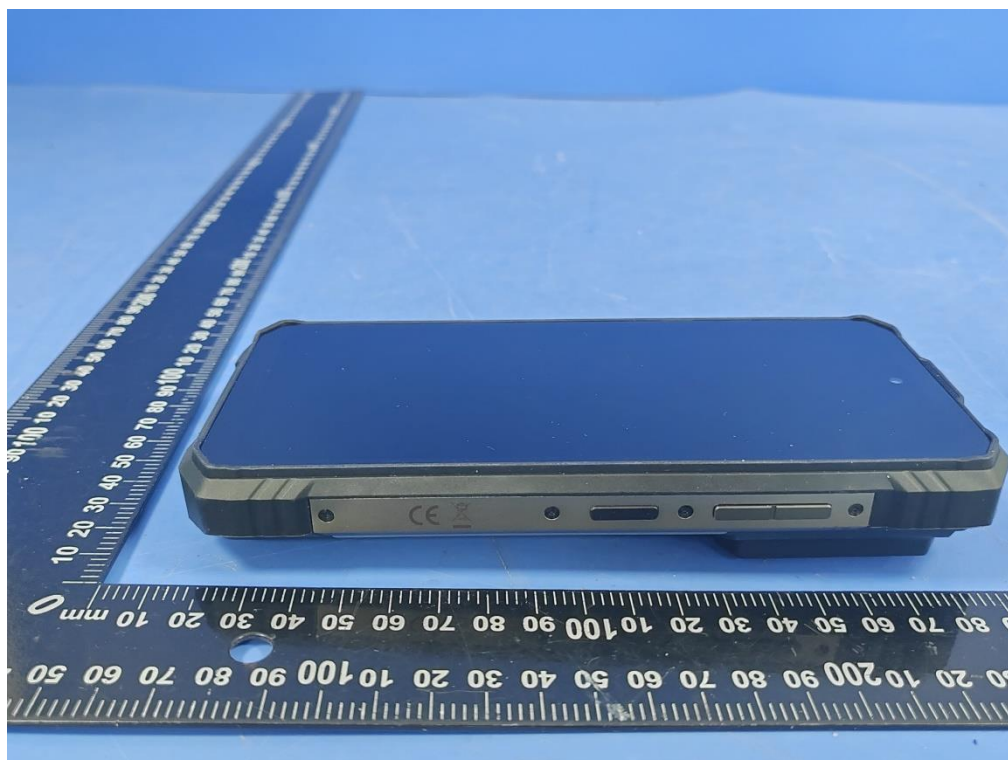


Back side

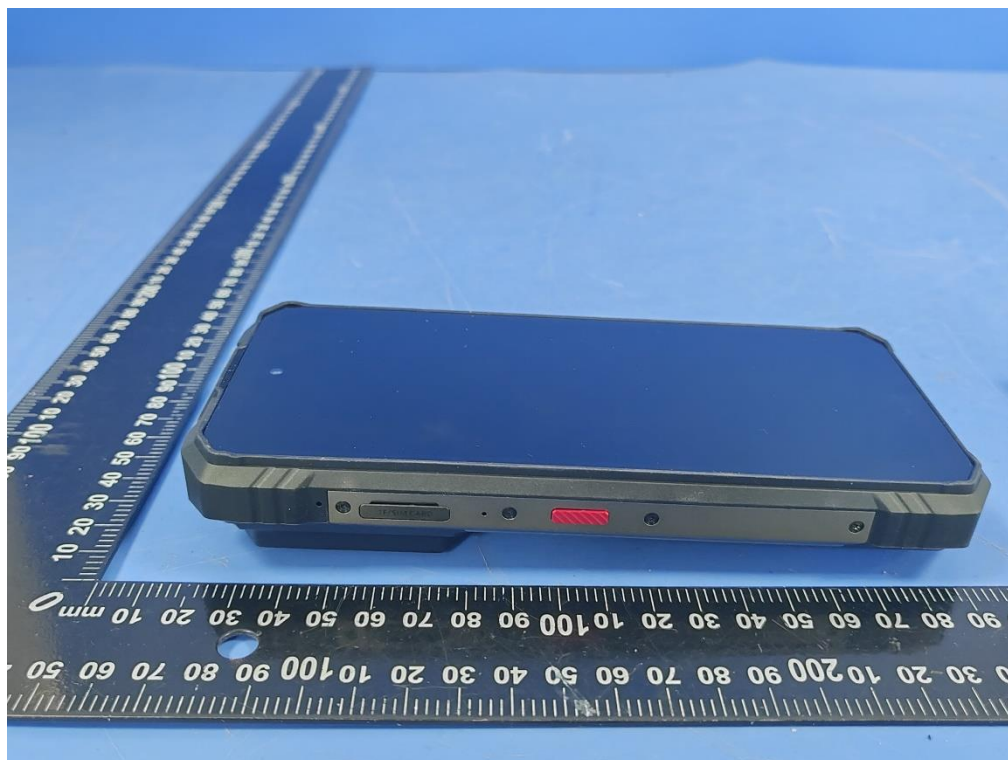




Right Edge

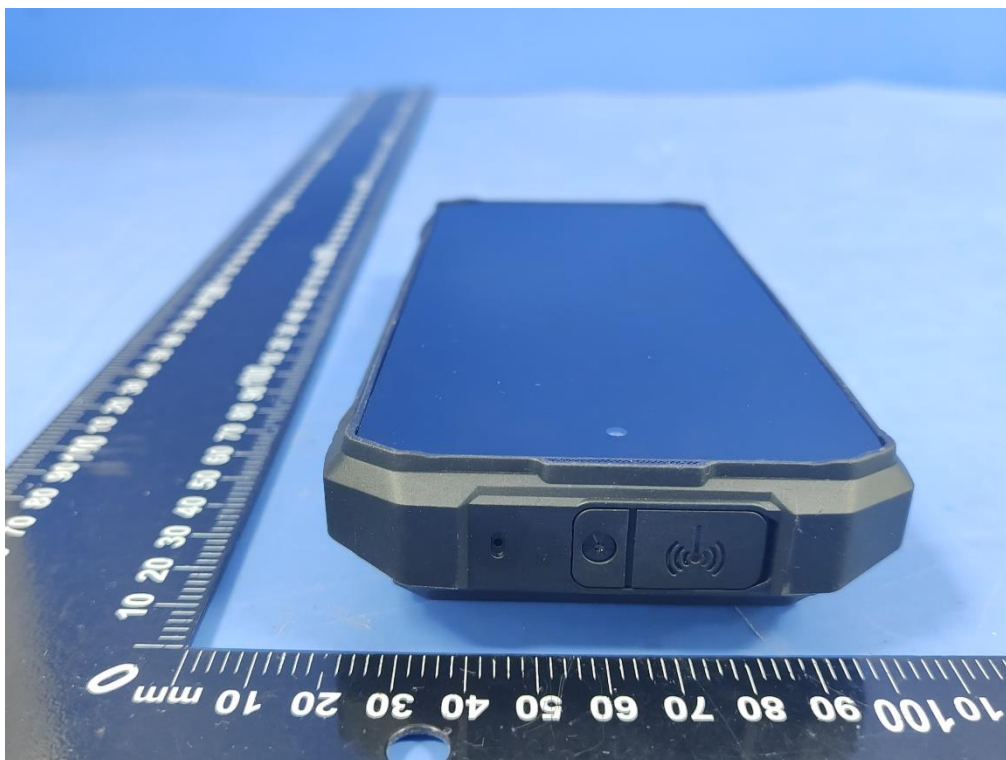


Left Edge

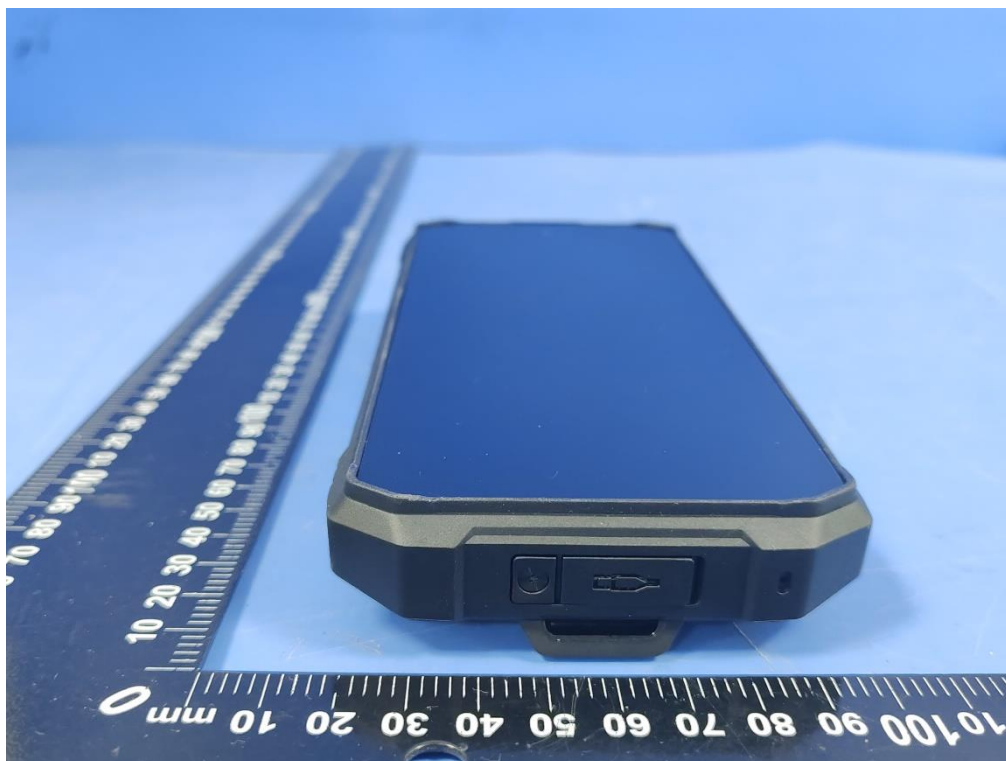




Top Edge



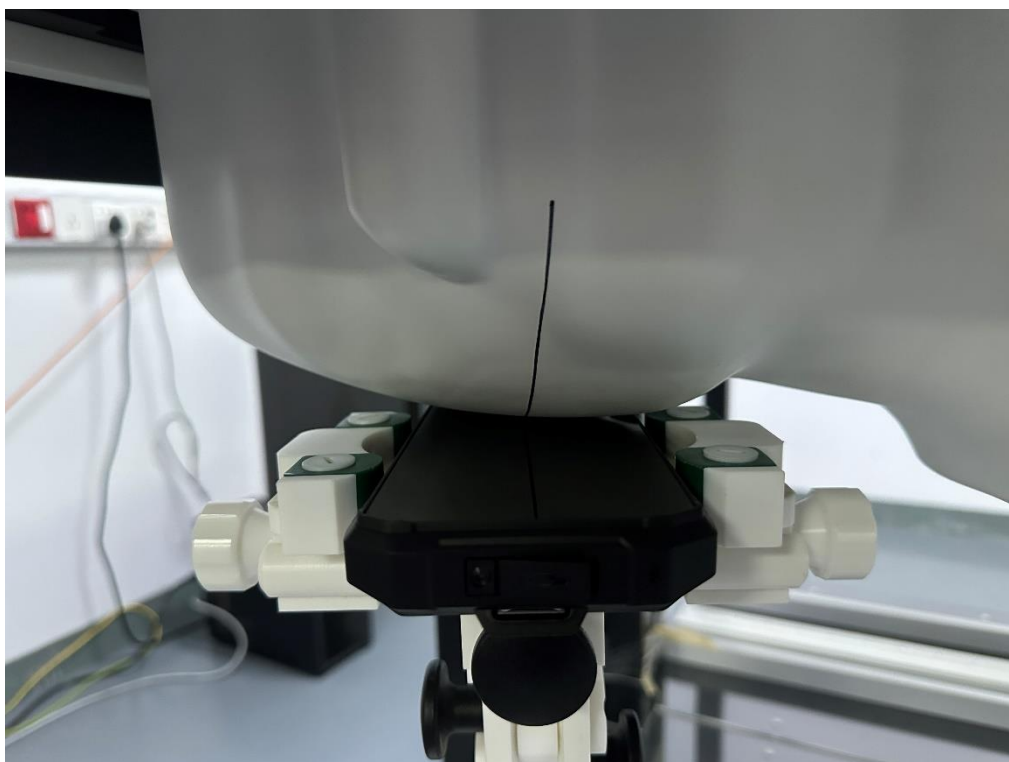
Bottom Edge



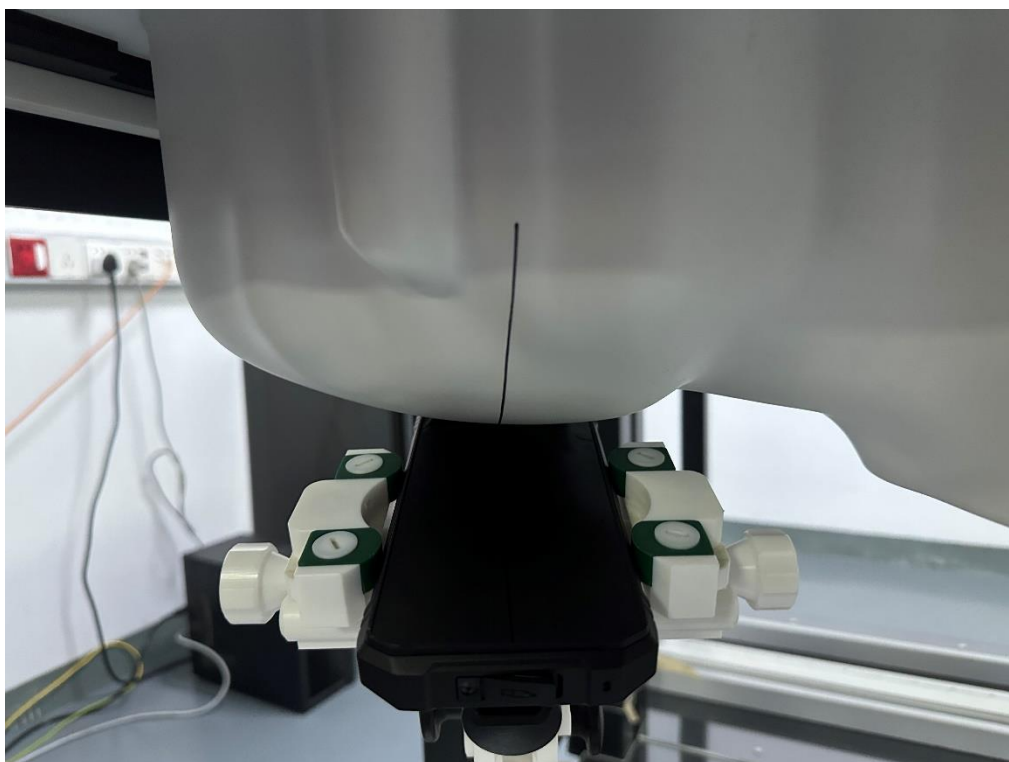


11.2 Setup Photos

Right Touch



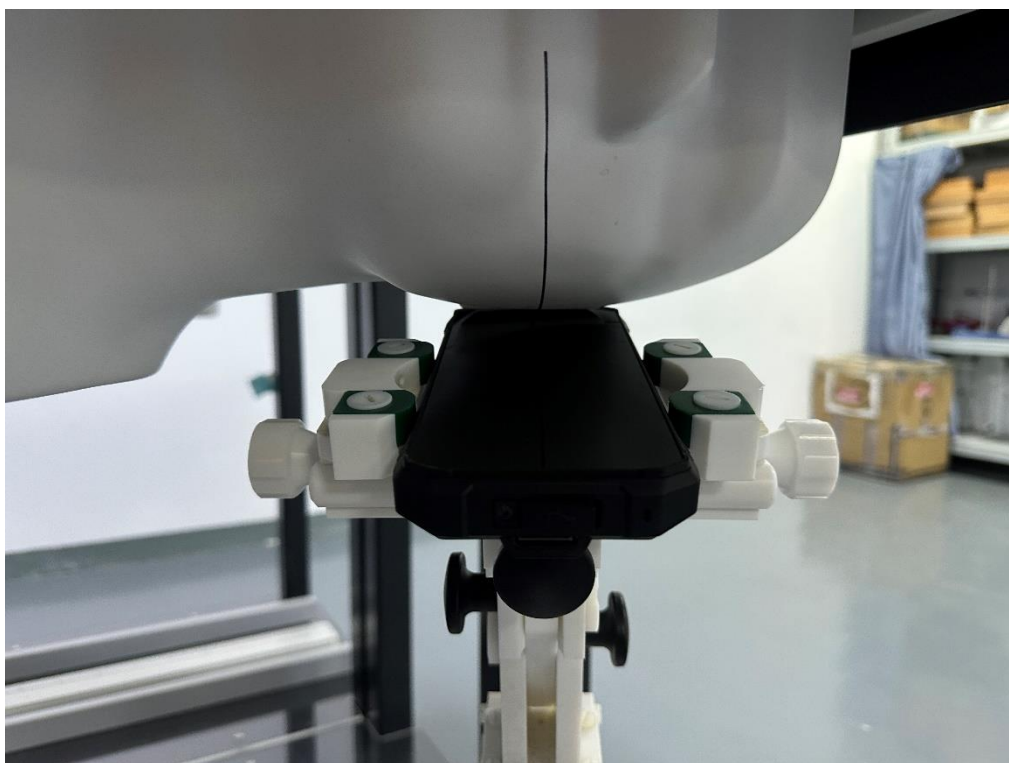
Right Tilt



Left Touch



Left Tilt

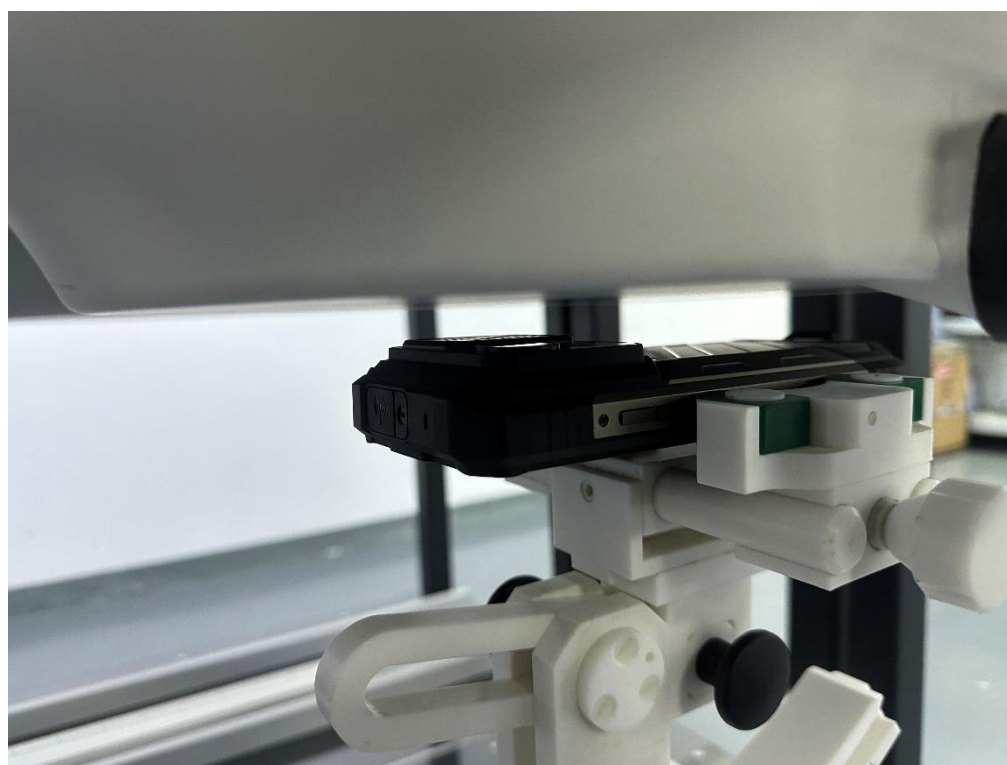




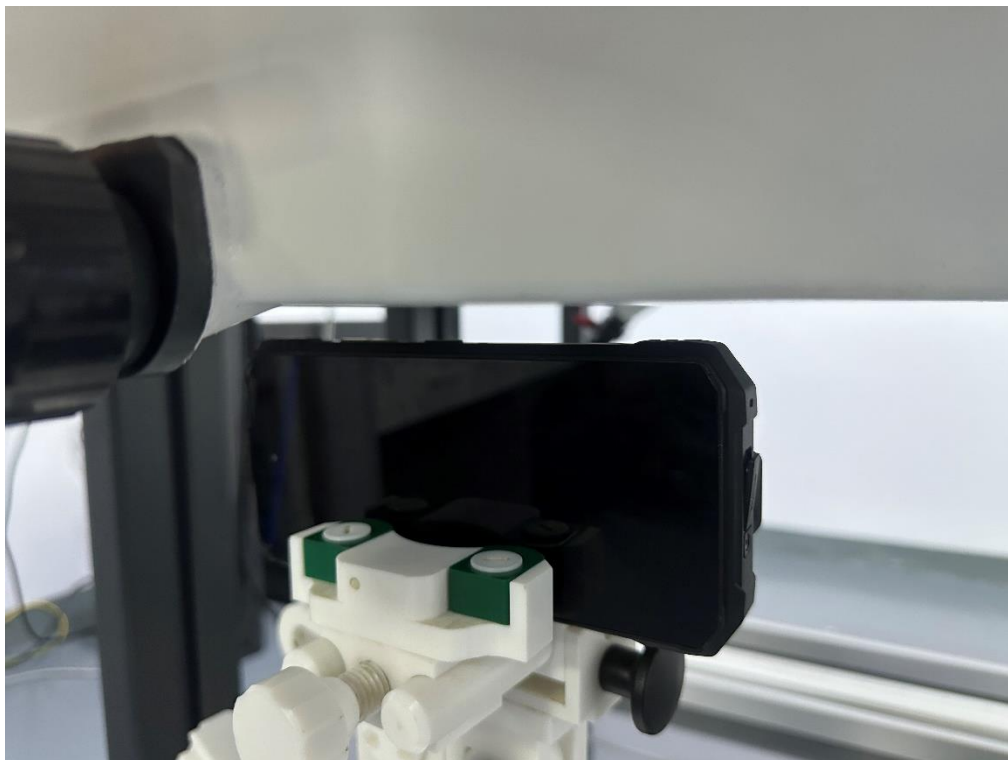
Body Front side (separation distance is 10mm)



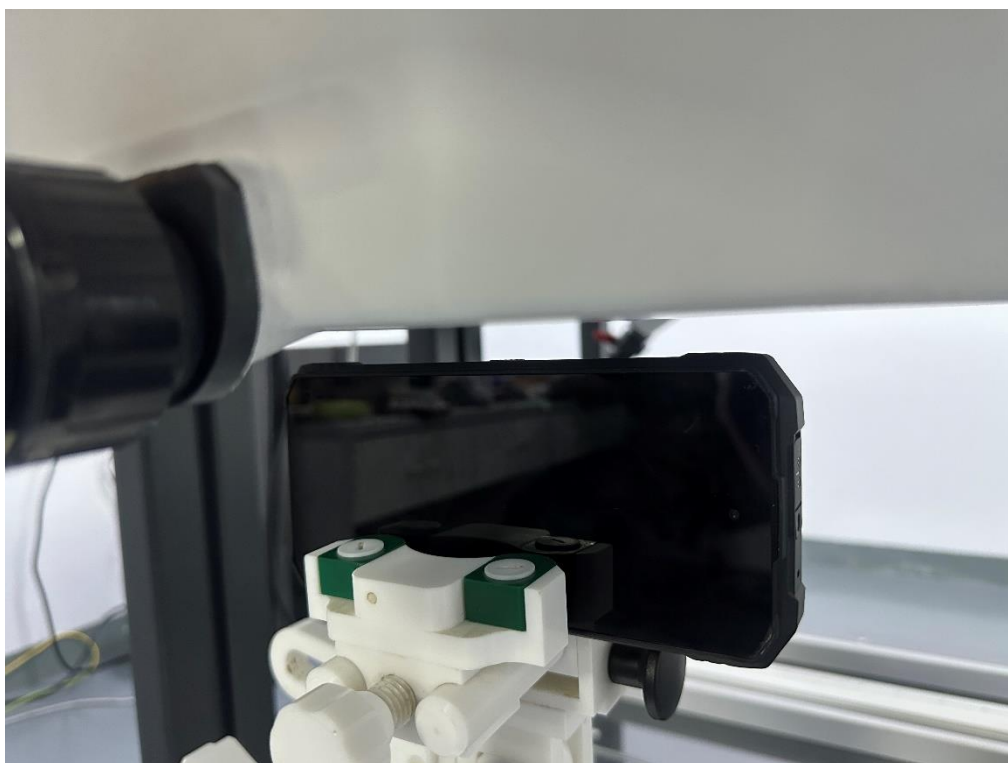
Body Back side (separation distance 10mm)



Body Left side (separation distance is 10mm)

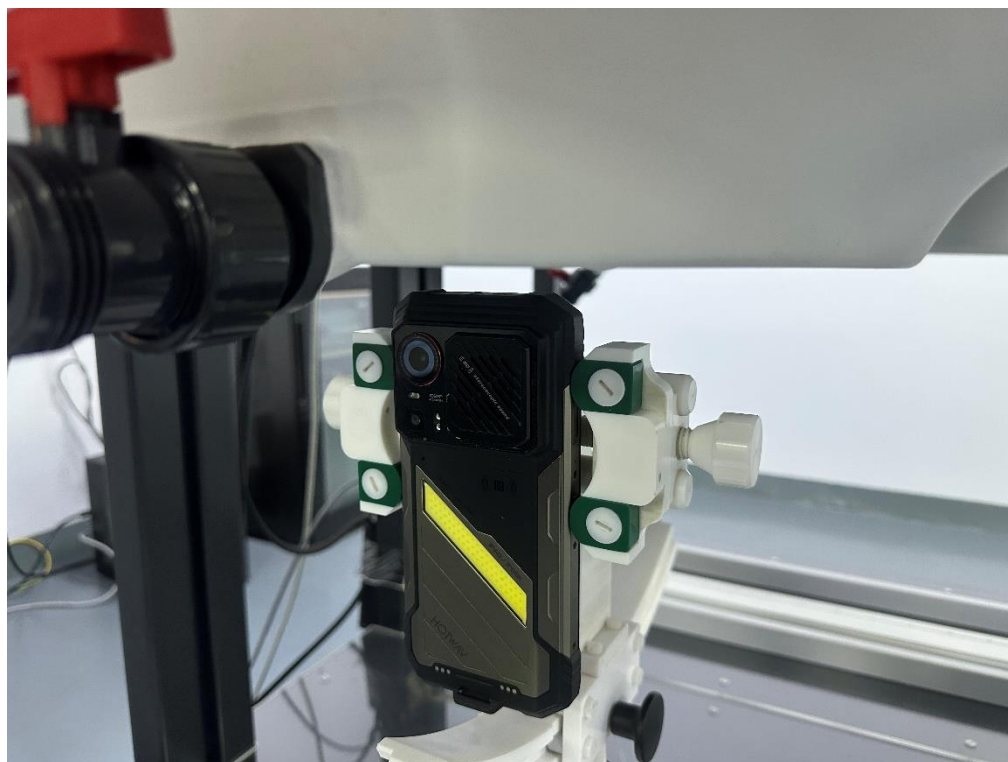


Body Right side (separation distance is 10mm)

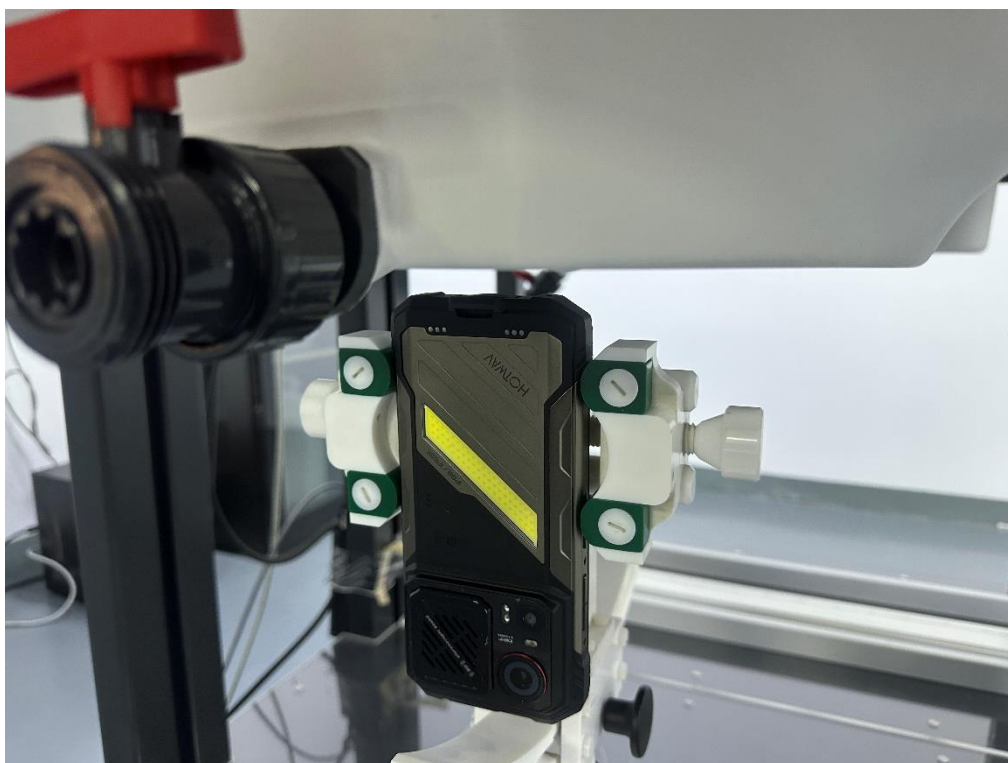




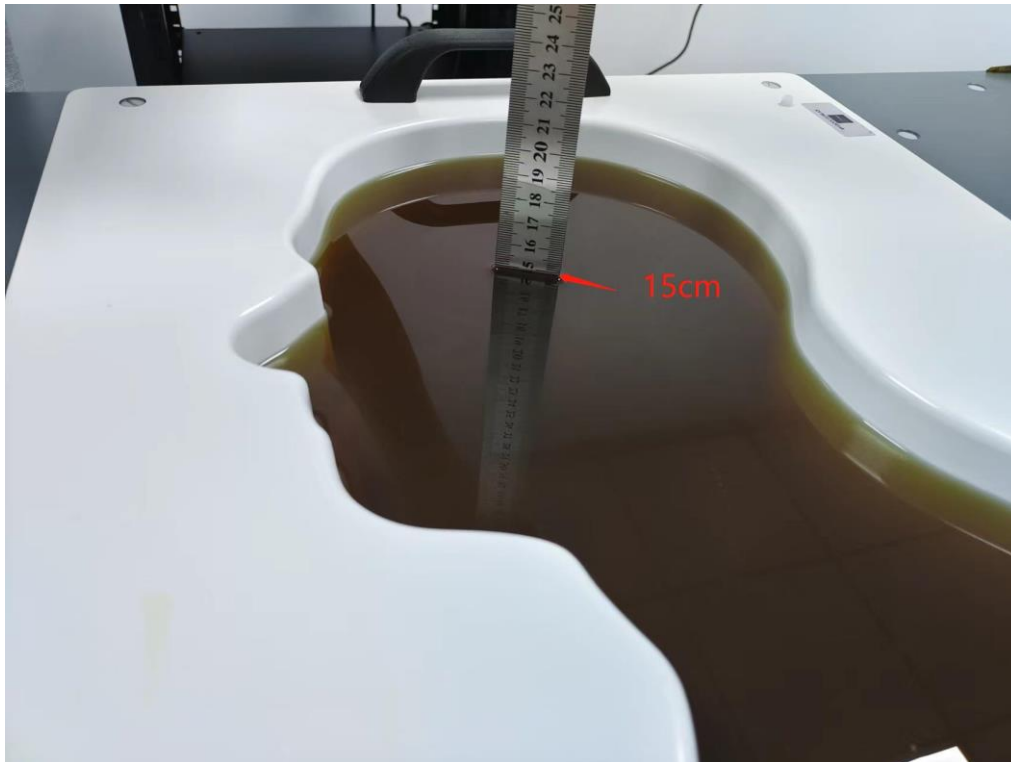
Body Top side (separation distance is 10mm)



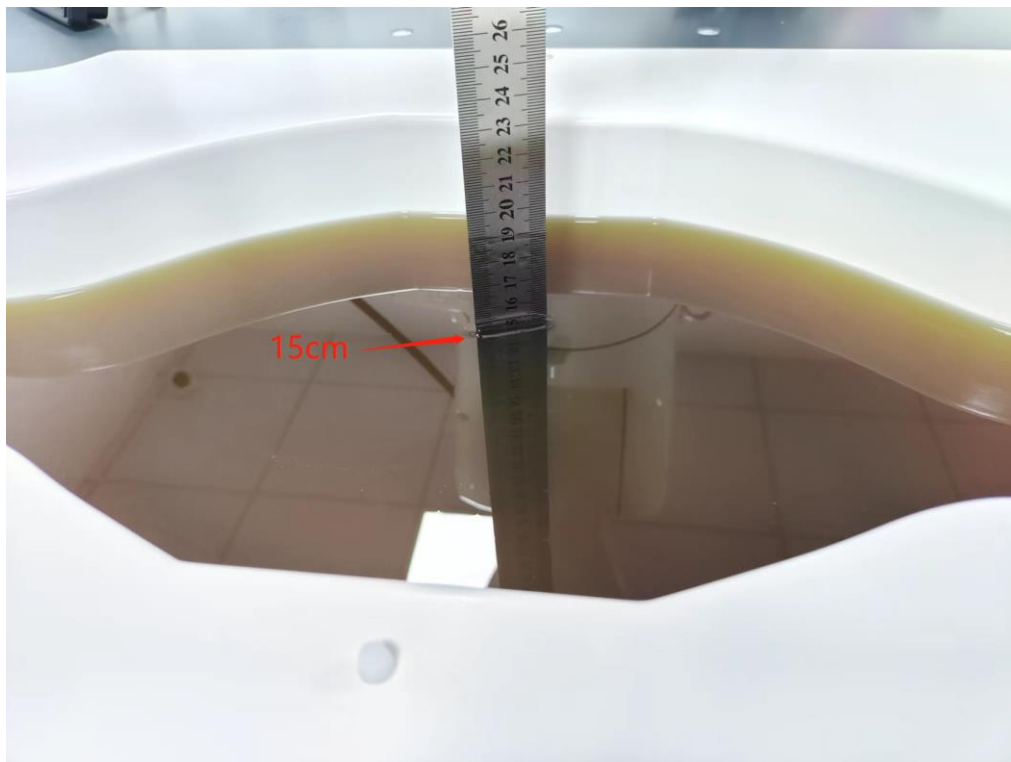
Body Bottom side (separation distance is 10mm)



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)	Scaling Factor	Scaled SAR (W/Kg)	Meas. No.
GSM850	GSM	Right Cheek	836.6	0.178	1.43	34.00	33.71	1.069	0.190	1
		Right Tilt	836.6	0.145	-2.78	34.00	33.71	1.069	0.155	/
		Left Cheek	836.6	0.162	2.87	34.00	33.71	1.069	0.173	/
		Left Tilt	836.6	0.132	-3.70	34.00	33.71	1.069	0.141	/
PCS 1900	GSM	Right Cheek	1880	0.110	-1.51	31.20	31.03	1.040	0.114	/
		Right Tilt	1880	0.086	1.56	31.20	31.03	1.040	0.089	/
		Left Cheek	1880	0.120	0.60	31.20	31.03	1.040	0.125	3
		Left Tilt	1880	0.097	-2.81	31.20	31.03	1.040	0.101	/
WCDMA Band II	RMC	Right Cheek	1880	0.539	1.40	25.00	24.67	1.079	0.582	/
		Right Tilt	1880	0.431	-2.88	25.00	24.67	1.079	0.465	/
		Left Cheek	1880	0.599	-0.55	25.00	24.67	1.079	0.646	5
		Left Tilt	1880	0.479	3.58	25.00	24.67	1.079	0.517	/
WCDMA Band IV	RMC	Right Cheek	1712.6	0.682	-1.00	24.80	24.57	1.054	0.719	/
		Right Tilt	1712.6	0.545	-1.65	24.80	24.57	1.054	0.575	/
		Left Cheek	1712.6	0.753	-0.85	24.80	24.57	1.054	0.794	7
		Left Tilt	1712.6	0.605	2.43	24.80	24.57	1.054	0.638	/
WCDMA Band V	RMC	Right Cheek	846.6	0.224	2.25	25.00	24.68	1.076	0.241	9
		Right Tilt	846.6	0.179	-1.22	25.00	24.68	1.076	0.193	/
		Left Cheek	846.6	0.203	-1.42	25.00	24.68	1.076	0.219	/
		Left Tilt	846.6	0.164	1.35	25.00	24.68	1.076	0.177	/
2.4G WLAN ANT 1	802.11b	Right Cheek	2412	0.290	-3.23	16.50	16.17	1.079	0.313	/
		Right Tilt	2412	0.383	1.77	16.50	16.17	1.079	0.413	/
		Left Cheek	2412	0.397	-1.66	16.50	16.17	1.079	0.428	/
		Left Tilt	2412	0.426	3.81	16.50	16.17	1.079	0.460	11
2.4G WLAN ANT 2	802.11b	Right Cheek	2437	0.362	-1.42	16.50	16.22	1.067	0.386	/
		Right Tilt	2437	0.450	-3.10	16.50	16.22	1.067	0.480	/
		Left Cheek	2437	0.398	1.06	16.50	16.22	1.067	0.425	/
		Left Tilt	2437	0.498	-1.26	16.50	16.22	1.067	0.531	13
2.4G WLAN MIMO 1	802.11n-HT40	Right Cheek	2422	0.158	1.91	16.50	16.26	1.057	0.167	/
		Right Tilt	2422	0.197	3.43	16.50	16.26	1.057	0.208	/
		Left Cheek	2422	0.174	-3.90	16.50	16.26	1.057	0.184	/
		Left Tilt	2422	0.218	-1.76	16.50	16.26	1.057	0.230	15
2.4G WLAN MIMO 2	802.11n-HT40	Right Cheek	2422	0.173	0.53	16.50	16.26	1.057	0.183	/
		Right Tilt	2422	0.215	3.11	16.50	16.26	1.057	0.227	/
		Left Cheek	2422	0.189	-0.51	16.50	16.26	1.057	0.200	/
		Left Tilt	2422	0.238	-3.23	16.50	16.26	1.057	0.252	17
5.2G WLAN ANT 1	802.11a	Right Cheek	5240	0.124	1.82	11.00	10.76	1.057	0.131	/
		Right Tilt	5240	0.154	-2.78	11.00	10.76	1.057	0.163	/
		Left Cheek	5240	0.138	-0.57	11.00	10.76	1.057	0.146	/
		Left Tilt	5240	0.169	-2.30	11.00	10.76	1.057	0.179	19
	802.11a	Right Cheek	5240	0.360	-3.28	10.80	10.49	1.074	0.387	/



5.2G WLAN ANT 2		Right Tilt	5240	0.450	2.40	10.80	10.49	1.074	0.483	/
		Left Cheek	5240	0.398	-1.84	10.80	10.49	1.074	0.427	/
		Left Tilt	5240	0.498	1.42	10.80	10.49	1.074	0.535	21
5.2G WLAN MIMO 1	802.11n- HT40	Right Cheek	5230	0.206	3.60	12.30	12.12	1.042	0.215	/
		Right Tilt	5230	0.255	-0.91	12.30	12.12	1.042	0.266	/
		Left Cheek	5230	0.229	-3.51	12.30	12.12	1.042	0.239	/
		Left Tilt	5230	0.283	2.10	12.30	12.12	1.042	0.295	23
5.2G WLAN MIMO 2	802.11n- HT40	Right Cheek	5230	0.209	-2.44	12.30	12.12	1.042	0.218	/
		Right Tilt	5230	0.262	3.69	12.30	12.12	1.042	0.273	/
		Left Cheek	5230	0.234	-0.51	12.30	12.12	1.042	0.244	/
		Left Tilt	5230	0.292	1.75	12.30	12.12	1.042	0.304	25
5.3G WLAN ANT 1	802.11a	Right Cheek	5320	0.131	-2.25	12.00	11.94	1.014	0.133	/
		Right Tilt	5320	0.160	-3.98	12.00	11.94	1.014	0.162	/
		Left Cheek	5320	0.140	-0.51	12.00	11.94	1.014	0.142	/
		Left Tilt	5320	0.176	-0.44	12.00	11.94	1.014	0.178	27
5.3G WLAN ANT 2	802.11a	Right Cheek	5320	0.342	-2.17	12.00	11.70	1.072	0.366	/
		Right Tilt	5320	0.427	2.32	12.00	11.70	1.072	0.458	/
		Left Cheek	5320	0.377	1.45	12.00	11.70	1.072	0.404	/
		Left Tilt	5320	0.473	0.08	12.00	11.70	1.072	0.507	29
5.3G WLAN MIMO 1	802.11ac -VHT40	Right Cheek	5310	0.153	-0.71	13.50	13.15	1.084	0.166	/
		Right Tilt	5310	0.192	-0.03	13.50	13.15	1.084	0.208	/
		Left Cheek	5310	0.170	-2.47	13.50	13.15	1.084	0.184	/
		Left Tilt	5310	0.211	-3.00	13.50	13.15	1.084	0.229	31
5.3G WLAN MIMO 2	802.11ac -VHT40	Right Cheek	5310	0.280	0.16	13.50	13.15	1.084	0.303	/
		Right Tilt	5310	0.350	-3.92	13.50	13.15	1.084	0.379	/
		Left Cheek	5310	0.313	3.15	13.50	13.15	1.084	0.339	/
		Left Tilt	5310	0.390	-2.07	13.50	13.15	1.084	0.423	33
5.6G WLAN ANT 1	802.11a	Right Cheek	5500	0.042	2.21	11.50	11.34	1.038	0.044	/
		Right Tilt	5500	0.051	-3.49	11.50	11.34	1.038	0.053	/
		Left Cheek	5500	0.049	3.64	11.50	11.34	1.038	0.051	/
		Left Tilt	5500	0.058	-0.95	11.50	11.34	1.038	0.060	35
5.6G WLAN ANT 2	802.11a	Right Cheek	5500	0.242	2.73	11.30	11.10	1.047	0.253	/
		Right Tilt	5500	0.304	1.32	11.30	11.10	1.047	0.318	/
		Left Cheek	5500	0.270	1.67	11.30	11.10	1.047	0.283	/
		Left Tilt	5500	0.336	0.57	11.30	11.10	1.047	0.352	37
5.6G WLAN MIMO 1	802.11n- HT40	Right Cheek	5510	0.186	0.87	13.30	13.01	1.069	0.199	/
		Right Tilt	5510	0.233	0.71	13.30	13.01	1.069	0.249	/
		Left Cheek	5510	0.208	1.50	13.30	13.01	1.069	0.222	/
		Left Tilt	5510	0.259	-0.74	13.30	13.01	1.069	0.277	39
5.6G WLAN MIMO 2	802.11n- HT40	Right Cheek	5510	0.165	1.96	13.30	13.01	1.069	0.176	/
		Right Tilt	5510	0.207	-3.79	13.30	13.01	1.069	0.221	/
		Left Cheek	5510	0.185	1.82	13.30	13.01	1.069	0.198	/
		Left Tilt	5510	0.227	-1.07	13.30	13.01	1.069	0.243	41
5.8G WLAN ANT 1	802.11a	Right Cheek	5745	0.082	-0.89	12.00	11.98	1.005	0.082	/
		Right Tilt	5745	0.099	0.96	12.00	11.98	1.005	0.099	/
		Left Cheek	5745	0.090	-1.16	12.00	11.98	1.005	0.090	/
		Left Tilt	5745	0.111	-2.77	12.00	11.98	1.005	0.112	43
	802.11a	Right Cheek	5745	0.224	0.41	11.50	11.47	1.007	0.226	/



5.8G WLAN ANT 2		Right Tilt	5745	0.277	-1.74	11.50	11.47	1.007	0.279	/
		Left Cheek	5745	0.246	1.64	11.50	11.47	1.007	0.248	/
		Left Tilt	5745	0.306	3.72	11.50	11.47	1.007	0.308	45
5.8G WLAN MIMO 1	802.11n- HT40	Right Cheek	5755	0.254	-0.30	14.00	13.79	1.050	0.267	/
		Right Tilt	5755	0.317	-0.94	14.00	13.79	1.050	0.333	/
		Left Cheek	5755	0.279	-1.82	14.00	13.79	1.050	0.293	/
		Left Tilt	5755	0.348	0.28	14.00	13.79	1.050	0.365	47
5.8G WLAN MIMO 2	802.11n- HT40	Right Cheek	5755	0.105	-0.64	14.00	13.79	1.050	0.110	/
		Right Tilt	5755	0.130	-1.08	14.00	13.79	1.050	0.136	/
		Left Cheek	5755	0.116	-2.31	14.00	13.79	1.050	0.122	/
		Left Tilt	5755	0.142	3.61	14.00	13.79	1.050	0.149	49

Band	Mode	Max SAR	WIFI MIMO
		(W/Kg)	
2.4G WLAN	802.11n-HT40	0.230	0.482
	802.11n-HT40	0.252	
5.2G WLAN	802.11n-HT40	0.295	0.599
	802.11n-HT40	0.304	
5.3G WLAN	802.11ac-VHT40	0.229	0.652
	802.11ac-VHT40	0.423	
5.6G WLAN	802.11n-HT40	0.277	0.520
	802.11n-HT40	0.243	
5.8G WLAN	802.11n-HT40	0.365	0.514
	802.11n-HT40	0.149	



Band	BW (MHz)	Mod.	RB Size	RB offset	Test Position	Freq.	Result 1g (W/Kg)	Power Drift (%)	Max. Turn-up Power (dBm)	Meas. Output Power (dBm)	Scaling Factor	Scaled SAR (W/Kg)	Meas. No.
LTE Band 2	20M	QPSK	1	49	Right Cheek	1880	0.487	-2.00	24.60	24.40	1.047	0.510	/
			50	0	Right Cheek	1880	0.431	-2.07	24.50	24.25	1.059	0.457	/
			1	49	Right Tilt	1880	0.389	-0.14	24.60	24.40	1.047	0.407	/
			50	0	Right Tilt	1880	0.344	-0.23	24.50	24.25	1.059	0.364	/
			1	49	Left Cheek	1880	0.540	-1.13	24.60	24.40	1.047	0.565	51
			50	0	Left Cheek	1880	0.479	-2.71	24.50	24.25	1.059	0.507	/
			1	49	Left Tilt	1880	0.433	-0.73	24.60	24.40	1.047	0.453	/
			50	0	Left Tilt	1880	0.384	1.69	24.50	24.25	1.059	0.407	/
LTE Band 4	20M	QPSK	1	49	Right Cheek	1720	0.620	1.28	24.50	24.12	1.091	0.677	/
			50	0	Right Cheek	1732.5	0.547	3.87	24.30	24.05	1.059	0.579	/
			1	49	Right Tilt	1720	0.495	-3.71	24.50	24.12	1.091	0.540	/
			50	0	Right Tilt	1732.5	0.433	-1.88	24.30	24.05	1.059	0.459	/
			1	49	Left Cheek	1720	0.684	1.68	24.50	24.12	1.091	0.747	53
			50	0	Left Cheek	1732.5	0.604	-3.97	24.30	24.05	1.059	0.640	/
			1	49	Left Tilt	1720	0.547	1.03	24.50	24.12	1.091	0.597	/
			50	0	Left Tilt	1732.5	0.483	1.05	24.30	24.05	1.059	0.512	/
LTE Band 5	10M	QPSK	1	24	Right Cheek	829	0.225	2.82	24.00	23.83	1.040	0.234	/
			25	12	Right Cheek	829	0.257	-1.44	24.50	24.26	1.057	0.272	55
			1	24	Right Tilt	829	0.182	-1.55	24.00	23.83	1.040	0.189	/
			25	12	Right Tilt	829	0.205	-3.37	24.50	24.26	1.057	0.217	/
			1	24	Left Cheek	829	0.208	1.54	24.00	23.83	1.040	0.216	/
			25	12	Left Cheek	829	0.234	0.40	24.50	24.26	1.057	0.247	/
			1	24	Left Tilt	829	0.163	0.57	24.00	23.83	1.040	0.170	/
			25	12	Left Tilt	829	0.187	-3.59	24.50	24.26	1.057	0.198	/
LTE Band 7	20M	QPSK	1	0	Right Cheek	2510	0.353	-1.50	24.00	23.60	1.096	0.387	/
			50	0	Right Cheek	2510	0.309	-2.57	23.20	23.00	1.047	0.324	/
			1	0	Right Tilt	2510	0.286	-2.54	24.00	23.60	1.096	0.314	/
			50	0	Right Tilt	2510	0.250	1.03	23.20	23.00	1.047	0.262	/
			1	0	Left Cheek	2510	0.391	1.46	24.00	23.60	1.096	0.429	57
			50	0	Left Cheek	2510	0.347	-0.97	23.20	23.00	1.047	0.363	/
			1	0	Left Tilt	2510	0.316	-1.29	24.00	23.60	1.096	0.346	/
			50	0	Left Tilt	2510	0.281	-2.39	23.20	23.00	1.047	0.294	/
	10M	QPSK	1	0	Right Cheek	704	0.188	1.36	24.50	24.16	1.081	0.203	/



LTE Band 12			25	24	Right Cheek	704	0.215	-3.66	25.00	24.65	1.084	0.233	59
			1	0	Right Tilt	704	0.156	-3.70	24.50	24.16	1.081	0.169	/
			25	24	Right Tilt	704	0.174	-1.52	25.00	24.65	1.084	0.189	/
			1	0	Left Cheek	704	0.174	1.36	24.50	24.16	1.081	0.188	/
			25	24	Left Cheek	704	0.197	-1.01	25.00	24.65	1.084	0.214	/
			1	0	Left Tilt	704	0.143	-0.85	24.50	24.16	1.081	0.155	/
			25	24	Left Tilt	704	0.158	2.71	25.00	24.65	1.084	0.171	/
LTE Band 66	20M	QPSK	1	49	Right Cheek	1720	0.583	1.30	23.70	23.49	1.050	0.612	/
			50	49	Right Cheek	1720	0.663	-3.99	24.00	23.85	1.035	0.686	/
			1	49	Right Tilt	1720	0.472	-3.38	23.70	23.49	1.050	0.495	/
			50	49	Right Tilt	1720	0.532	-3.90	24.00	23.85	1.035	0.551	/
			1	49	Left Cheek	1720	0.648	2.27	23.70	23.49	1.050	0.680	/
			50	49	Left Cheek	1720	0.736	-2.66	24.00	23.85	1.035	0.762	61
			1	49	Left Tilt	1720	0.523	-2.41	23.70	23.49	1.050	0.549	/
			50	49	Left Tilt	1720	0.591	-0.62	24.00	23.85	1.035	0.612	/
SA N5	20M	DFT_QPSK	1	1	Right Cheek	836.5	0.109	0.60	22.80	22.56	1.057	0.115	/
			50	25	Right Cheek	834	0.126	-1.87	23.50	23.28	1.052	0.133	63
			1	1	Right Tilt	836.5	0.092	1.06	22.80	22.56	1.057	0.097	/
			50	25	Right Tilt	834	0.101	-0.58	23.50	23.28	1.052	0.106	/
			1	1	Left Cheek	836.5	0.106	-3.75	22.80	22.56	1.057	0.112	/
			50	25	Left Cheek	834	0.116	-0.32	23.50	23.28	1.052	0.122	/
			1	1	Left Tilt	836.5	0.084	0.58	22.80	22.56	1.057	0.089	/
			50	25	Left Tilt	834	0.093	1.56	23.50	23.28	1.052	0.098	/
SA N7	50M	DFT_QPSK	1	104	Right Cheek	2560	0.216	-1.74	22.70	22.47	1.054	0.228	/
			50	25	Right Cheek	2560	0.246	1.32	23.30	22.99	1.074	0.264	/
			1	104	Right Tilt	2560	0.172	-0.75	22.70	22.47	1.054	0.181	/
			50	25	Right Tilt	2560	0.196	-3.06	23.30	22.99	1.074	0.211	/
			1	104	Left Cheek	2560	0.235	2.21	22.70	22.47	1.054	0.248	/
			50	25	Left Cheek	2560	0.268	-3.96	23.30	22.99	1.074	0.288	65
			1	104	Left Tilt	2560	0.188	-3.16	22.70	22.47	1.054	0.198	/
			50	25	Left Tilt	2560	0.215	0.26	23.30	22.99	1.074	0.231	/
SA N38	20M	DFT_QPSK	1	104	Right Cheek	2595	0.119	-1.44	24.30	24.03	1.064	0.127	/
			50	25	Right Cheek	2600	0.132	-0.89	24.80	24.50	1.072	0.141	/
			1	104	Right Tilt	2595	0.093	2.54	24.30	24.03	1.064	0.099	/
			50	25	Right Tilt	2600	0.106	-2.61	24.80	24.50	1.072	0.114	/
			1	104	Left Cheek	2595	0.130	3.24	24.30	24.03	1.064	0.138	/



			50	25	Left Cheek	2600	0.146	-3.03	24.80	24.50	1.072	0.156	67
			1	104	Left Tilt	2595	0.106	-1.37	24.30	24.03	1.064	0.113	/
			50	25	Left Tilt	2600	0.119	-1.87	24.80	24.50	1.072	0.128	/
SA N41	100M	DFT_QPSK	1	271	Right Cheek	2592.99	0.106	-3.38	24.00	23.71	1.069	0.113	/
			135	67	Right Cheek	2640	0.118	2.11	25.00	24.59	1.099	0.130	/
			1	271	Right Tilt	2592.99	0.082	-1.94	24.00	23.71	1.069	0.088	/
			135	67	Right Tilt	2640	0.095	-0.40	25.00	24.59	1.099	0.104	/
			1	271	Left Cheek	2592.99	0.113	2.52	24.00	23.71	1.069	0.121	/
			135	67	Left Cheek	2640	0.131	3.11	25.00	24.59	1.099	0.144	69
			1	271	Left Tilt	2592.99	0.097	0.06	24.00	23.71	1.069	0.104	/
			135	67	Left Tilt	2640	0.108	1.32	25.00	24.59	1.099	0.119	/
SA N77	100M	DFT_QPSK	1	271	Right Cheek	3840	0.645	1.15	24.00	23.78	1.052	0.679	/
			135	67	Right Cheek	3930	0.734	1.57	24.80	24.48	1.076	0.790	/
			1	271	Right Tilt	3840	0.520	1.82	24.00	23.78	1.052	0.547	/
			135	67	Right Tilt	3930	0.590	3.02	24.80	24.48	1.076	0.635	/
			1	271	Left Cheek	3840	0.716	-2.78	24.00	23.78	1.052	0.753	/
			135	67	Left Cheek	3750	0.739	-1.16	24.80	24.34	1.112	0.822	/
			135	67	Left Cheek	3840	0.706	1.80	24.80	24.33	1.114	0.787	/
			135	67	Left Cheek	3930	0.812	-0.55	24.80	24.48	1.076	0.874	71
			1	271	Left Tilt	3840	0.574	-1.88	24.00	23.78	1.052	0.604	/
			135	67	Left Tilt	3930	0.653	-0.26	24.80	24.48	1.076	0.703	/
SA N78	100M	DFT_QPSK	1	1	Right Cheek	3500	0.490	-3.87	24.70	24.47	1.054	0.517	/
			135	67	Right Cheek	3500	0.554	1.09	25.30	25.05	1.059	0.587	/
			1	1	Right Tilt	3500	0.393	-0.92	24.70	24.47	1.054	0.414	/
			135	67	Right Tilt	3500	0.445	2.39	25.30	25.05	1.059	0.471	/
			1	1	Left Cheek	3500	0.538	-2.19	24.70	24.47	1.054	0.567	/
			135	67	Left Cheek	3500	0.604	2.51	25.30	25.05	1.059	0.640	73
			1	1	Left Tilt	3500	0.433	3.40	24.70	24.47	1.054	0.457	/
			135	67	Left Tilt	3500	0.491	3.53	25.30	25.05	1.059	0.520	/



NSA:

Band	BW (MHz)	Mod.	RB Size	RB offset	Test Position	Freq.	Result 1g (W/Kg)	Power Drift (%)	Max. Turn-up Power (dBm)	Meas. Output Power (dBm)	Scaling Factor	Scaled SAR (W/Kg)	Meas. No.
SA N78	100M	DFT_QPSK	1	1	Right Cheek	3500	0.490	1.01	24.70	24.47	1.054	0.517	/
			135	67	Right Cheek	3500	0.554	3.72	25.30	25.05	1.059	0.587	/
			1	1	Right Tilt	3500	0.393	-1.73	24.70	24.47	1.054	0.414	/
			135	67	Right Tilt	3500	0.445	3.25	25.30	25.05	1.059	0.471	/
			1	1	Left Cheek	3500	0.538	0.68	24.70	24.47	1.054	0.567	/
			135	67	Left Cheek	3500	0.604	1.47	25.30	25.05	1.059	0.640	73
			1	1	Left Tilt	3500	0.433	1.14	24.70	24.47	1.054	0.457	/
			135	67	Left Tilt	3500	0.491	-3.06	25.30	25.05	1.059	0.520	/
LTE Band 5	10M	QPSK	1	24	Right Cheek	829	0.225	0.61	24.00	23.83	1.040	0.234	/
			25	12	Right Cheek	829	0.257	2.80	24.50	24.26	1.057	0.272	55
			1	24	Right Tilt	829	0.182	-2.90	24.00	23.83	1.040	0.189	/
			25	12	Right Tilt	829	0.205	-3.48	24.50	24.26	1.057	0.217	/
			1	24	Left Cheek	829	0.208	-3.91	24.00	23.83	1.040	0.216	/
			25	12	Left Cheek	829	0.234	-3.26	24.50	24.26	1.057	0.247	/
			1	24	Left Tilt	829	0.163	1.36	24.00	23.83	1.040	0.170	/
			25	12	Left Tilt	829	0.187	-0.51	24.50	24.26	1.057	0.198	/

Band	Mode	Head Max SAR	Head Test sum
		(W/Kg)	
NSA N78+B5	SA N78	0.640	0.912
	LTE B5	0.272	

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)	Scaling Factor	Scaled SAR (W/Kg)	Meas. No.
GSM850	GPRS Data-4 Slot	Front Side	836.6	0.228	1.55	30.30	30.17	1.030	0.235	2
		Back Side	836.6	0.200	-2.77	30.30	30.17	1.030	0.206	/
		Left Side	836.6	0.080	2.33	30.30	30.17	1.030	0.082	/
		Right Side	836.6	0.102	3.31	30.30	30.17	1.030	0.105	/
		Top Side	836.6	0.016	0.23	30.30	30.17	1.030	0.016	/
		Bottom Side	836.6	0.213	-1.99	30.30	30.17	1.030	0.219	/
PCS 1900	GPRS Data-2 Slot	Front Side	1880	0.168	3.19	30.30	30.20	1.023	0.172	4
		Back Side	1880	0.098	-2.76	30.30	30.20	1.023	0.100	/
		Left Side	1880	0.102	2.91	30.30	30.20	1.023	0.104	/
		Right Side	1880	0.039	-3.72	30.30	30.20	1.023	0.040	/
		Top Side	1880	0.016	-0.71	30.30	30.20	1.023	0.016	/
		Bottom Side	1880	0.109	-1.64	30.30	30.20	1.023	0.112	/
WCDMA Band II	RMC	Front Side	1880	0.306	-1.18	25.00	24.67	1.079	0.330	6
		Back Side	1880	0.266	-0.92	25.00	24.67	1.079	0.287	/
		Left Side	1880	0.109	3.95	25.00	24.67	1.079	0.118	/
		Right Side	1880	0.137	-1.96	25.00	24.67	1.079	0.148	/
		Bottom Side	1880	0.284	1.06	25.00	24.67	1.079	0.306	/
WCDMA Band IV	RMC	Front Side	1712.6	0.289	-2.75	24.80	24.57	1.054	0.305	8
		Back Side	1712.6	0.251	2.33	24.80	24.57	1.054	0.265	/
		Left Side	1712.6	0.102	-3.64	24.80	24.57	1.054	0.108	/
		Right Side	1712.6	0.133	2.16	24.80	24.57	1.054	0.140	/
		Bottom Side	1712.6	0.268	2.39	24.80	24.57	1.054	0.283	/
WCDMA Band V	RMC	Front Side	846.6	0.186	0.31	25.00	24.68	1.076	0.200	10
		Back Side	846.6	0.162	2.21	25.00	24.68	1.076	0.174	/
		Left Side	846.6	0.069	0.16	25.00	24.68	1.076	0.074	/
		Right Side	846.6	0.085	-3.56	25.00	24.68	1.076	0.091	/
		Bottom Side	846.6	0.172	3.73	25.00	24.68	1.076	0.185	/
2.4GHz WLAN ANT 1	802.11b	Front Side	2412	0.082	3.22	16.50	16.17	1.079	0.088	/
		Back Side	2412	0.139	-1.73	16.50	16.17	1.079	0.150	12
		Right Side	2412	0.058	1.16	16.50	16.17	1.079	0.063	/
		Top Side	2412	0.037	1.20	16.50	16.17	1.079	0.040	/
2.4GHz WLAN ANT 2	802.11b	Front Side	2437	0.086	1.47	16.50	16.22	1.067	0.092	/
		Back Side	2437	0.094	3.37	16.50	16.22	1.067	0.100	14
		Right Side	2437	0.067	2.75	16.50	16.22	1.067	0.071	/
		Top Side	2437	0.080	0.90	16.50	16.22	1.067	0.085	/
2.4GHz WLAN MIMO 1	802.11n-HT40	Front Side	2422	0.062	-1.83	16.50	16.26	1.057	0.066	/
		Back Side	2422	0.064	1.15	16.50	16.26	1.057	0.068	16
		Right Side	2422	0.048	-2.64	16.50	16.26	1.057	0.051	/
		Top Side	2422	0.056	1.17	16.50	16.26	1.057	0.059	/
2.4GHz WLAN MIMO 1	802.11n-HT40	Front Side	2422	0.272	-1.88	16.50	16.26	1.057	0.287	/
		Back Side	2422	0.293	-0.67	16.50	16.26	1.057	0.310	18
		Right Side	2422	0.207	-1.96	16.50	16.26	1.057	0.219	/
		Top Side	2422	0.251	-0.32	16.50	16.26	1.057	0.265	/
5.2GHz WLAN ANT 1	802.11a	Front Side	5240	0.049	0.22	11.00	10.76	1.057	0.052	/
		Back Side	5240	0.051	2.99	11.00	10.76	1.057	0.054	20
		Right Side	5240	0.037	-2.63	11.00	10.76	1.057	0.039	/
		Top Side	5240	0.045	2.15	11.00	10.76	1.057	0.048	/
5.2GHz WLAN ANT 2	802.11a	Front Side	5240	0.214	-3.10	10.80	10.49	1.074	0.230	/
		Back Side	5240	0.229	3.69	10.80	10.49	1.074	0.246	22
		Right Side	5240	0.163	-3.18	10.80	10.49	1.074	0.175	/
		Top Side	5240	0.198	3.19	10.80	10.49	1.074	0.213	/



5.2GHz WLAN MIMO 1	802.11n- HT40	Front Side	5230	0.137	-1.35	12.30	12.12	1.042	0.143	/
		Back Side	5230	0.149	2.23	12.30	12.12	1.042	0.155	24
		Right Side	5230	0.107	0.15	12.30	12.12	1.042	0.112	/
		Top Side	5230	0.128	2.64	12.30	12.12	1.042	0.133	/
5.2GHz WLAN MIMO 1	802.11n- HT40	Front Side	5230	0.204	1.59	12.30	12.12	1.042	0.213	/
		Back Side	5230	0.220	-2.50	12.30	12.12	1.042	0.229	26
		Right Side	5230	0.156	0.53	12.30	12.12	1.042	0.163	/
		Top Side	5230	0.187	2.51	12.30	12.12	1.042	0.195	/
5.3GHz WLAN ANT 1	802.11a	Front Side	5320	0.092	0.30	12.00	11.94	1.014	0.093	/
		Back Side	5320	0.098	0.23	12.00	11.94	1.014	0.099	28
		Right Side	5320	0.072	-0.94	12.00	11.94	1.014	0.073	/
		Top Side	5320	0.085	2.23	12.00	11.94	1.014	0.086	/
5.3GHz WLAN ANT 2	802.11a	Front Side	5320	0.113	-1.39	12.00	11.70	1.072	0.121	/
		Back Side	5320	0.123	-0.38	12.00	11.70	1.072	0.132	30
		Right Side	5320	0.089	1.85	12.00	11.70	1.072	0.095	/
		Top Side	5320	0.109	-3.26	12.00	11.70	1.072	0.117	/
5.3GHz WLAN MIMO 1	802.11ac- VHT40	Front Side	5310	0.157	-2.79	13.50	13.15	1.084	0.170	/
		Back Side	5310	0.167	-3.98	13.50	13.15	1.084	0.181	32
		Right Side	5310	0.118	1.95	13.50	13.15	1.084	0.128	/
		Top Side	5310	0.140	-1.17	13.50	13.15	1.084	0.152	/
5.3GHz WLAN MIMO 1	802.11ac- VHT40	Front Side	5310	0.091	2.18	13.50	13.15	1.084	0.099	/
		Back Side	5310	0.099	2.54	13.50	13.15	1.084	0.107	34
		Right Side	5310	0.071	2.13	13.50	13.15	1.084	0.077	/
		Top Side	5310	0.084	0.99	13.50	13.15	1.084	0.091	/
5.6GHz WLAN ANT 1	802.11a	Front Side	5500	0.041	-1.02	11.50	11.34	1.038	0.043	/
		Back Side	5500	0.043	3.70	11.50	11.34	1.038	0.045	36
		Right Side	5500	0.035	1.31	11.50	11.34	1.038	0.036	/
		Top Side	5500	0.036	-0.96	11.50	11.34	1.038	0.037	/
5.6GHz WLAN ANT 2	802.11a	Front Side	5500	0.151	-1.59	11.30	11.10	1.047	0.158	/
		Back Side	5500	0.162	1.56	11.30	11.10	1.047	0.170	38
		Right Side	5500	0.117	1.91	11.30	11.10	1.047	0.123	/
		Top Side	5500	0.138	2.25	11.30	11.10	1.047	0.145	/
5.6GHz WLAN MIMO 1	802.11n- HT40	Front Side	5510	0.115	2.28	13.30	13.01	1.069	0.123	/
		Back Side	5510	0.122	-2.17	13.30	13.01	1.069	0.130	40
		Right Side	5510	0.090	2.24	13.30	13.01	1.069	0.096	/
		Top Side	5510	0.106	-0.80	13.30	13.01	1.069	0.113	/
5.6GHz WLAN MIMO 1	802.11n- HT40	Front Side	5510	0.147	-0.06	13.30	13.01	1.069	0.157	/
		Back Side	5510	0.158	2.82	13.30	13.01	1.069	0.169	42
		Right Side	5510	0.114	1.62	13.30	13.01	1.069	0.122	/
		Top Side	5510	0.135	-2.05	13.30	13.01	1.069	0.144	/
5.8GHz WLAN ANT 1	802.11a	Front Side	5745	0.037	0.19	12.00	11.98	1.005	0.037	/
		Back Side	5745	0.038	0.58	12.00	11.98	1.005	0.038	44
		Right Side	5745	0.030	-2.82	12.00	11.98	1.005	0.030	/
		Top Side	5745	0.035	-3.46	12.00	11.98	1.005	0.035	/
5.8GHz WLAN ANT 2	802.11a	Front Side	5745	0.130	-0.68	11.50	11.47	1.007	0.131	/
		Back Side	5745	0.139	3.96	11.50	11.47	1.007	0.140	46
		Right Side	5745	0.098	-3.60	11.50	11.47	1.007	0.099	/
		Top Side	5745	0.122	3.11	11.50	11.47	1.007	0.123	/
5.8GHz WLAN MIMO 1	802.11n- HT40	Front Side	5755	0.037	3.32	14.00	13.79	1.050	0.039	/
		Back Side	5755	0.039	2.16	14.00	13.79	1.050	0.041	48
		Right Side	5755	0.028	-1.35	14.00	13.79	1.050	0.029	/
		Top Side	5755	0.033	-3.57	14.00	13.79	1.050	0.035	/
5.8GHz WLAN MIMO 1	802.11n- HT40	Front Side	5755	0.067	2.11	14.00	13.79	1.050	0.070	/
		Back Side	5755	0.069	1.03	14.00	13.79	1.050	0.072	50
		Right Side	5755	0.051	3.08	14.00	13.79	1.050	0.054	/
		Top Side	5755	0.058	-2.69	14.00	13.79	1.050	0.061	/



Band	Mode	Max SAR	WIFI MIMO
		(W/Kg)	
2.4G WLAN	802.11n-HT40	0.068	0.378
	802.11n-HT40	0.310	
5.2G WLAN	802.11n-HT40	0.155	0.384
	802.11n-HT40	0.229	
5.3G WLAN	802.11ac-VHT40	0.181	0.288
	802.11ac-VHT40	0.107	
5.6G WLAN	802.11n-HT40	0.130	0.299
	802.11n-HT40	0.169	
5.8G WLAN	802.11n-HT40	0.041	0.113
	802.11n-HT40	0.072	

Band	BW (MHz)	Mod.	RB Size	RB offset	Test Position	Freq.	Result 1g (W/Kg)	Power Drift (%)	Max. Turn-up Power (dBm)	Meas. Output Power(dBm)	Scaling Factor	Scaled SAR (W/Kg)	Meas. No.
LTE Band 2	20M	QPSK	1	49	Front side	1880	0.330	-0.08	24.60	24.40	1.047	0.346	52
			50	0	Front side	1880	0.293	-3.58	24.50	24.25	1.059	0.310	/
			1	49	Back Side	1880	0.288	1.73	24.60	24.40	1.047	0.302	/
			50	0	Back Side	1880	0.257	3.36	24.50	24.25	1.059	0.272	/
			1	49	Left Side	1880	0.115	-0.20	24.60	24.40	1.047	0.120	/
			50	0	Left Side	1880	0.103	-0.25	24.50	24.25	1.059	0.109	/
			1	49	Right Side	1880	0.149	-2.13	24.60	24.40	1.047	0.156	/
			50	0	Right Side	1880	0.129	-1.48	24.50	24.25	1.059	0.137	/
			1	49	Bottom Side	1880	0.306	1.84	24.60	24.40	1.047	0.320	/
			50	0	Bottom Side	1880	0.269	1.19	24.50	24.25	1.059	0.285	/
LTE Band 4	20M	QPSK	1	49	Front side	1720	0.287	-3.89	24.50	24.12	1.091	0.313	54
			50	0	Front side	1732.5	0.251	2.64	24.30	24.05	1.059	0.266	/
			1	49	Back Side	1720	0.248	-3.72	24.50	24.12	1.091	0.271	/
			50	0	Back Side	1732.5	0.218	-3.21	24.30	24.05	1.059	0.231	/
			1	49	Left Side	1720	0.105	-0.50	24.50	24.12	1.091	0.115	/
			50	0	Left Side	1732.5	0.091	-0.86	24.30	24.05	1.059	0.096	/
			1	49	Right Side	1720	0.129	-3.84	24.50	24.12	1.091	0.141	/
			50	0	Right Side	1732.5	0.113	1.74	24.30	24.05	1.059	0.120	/
			1	49	Bottom Side	1720	0.266	-1.83	24.50	24.12	1.091	0.290	/
			50	0	Bottom Side	1732.5	0.235	-2.92	24.30	24.05	1.059	0.249	/



LTE Band 5	10M	QPSK	1	24	Front side	829	0.158	- 1.97	24.00	23.83	1.040	0.164	/
			25	12	Front side	829	0.181	- 2.59	24.50	24.26	1.057	0.191	56
			1	24	Back Side	829	0.140	- 0.83	24.00	23.83	1.040	0.146	/
			25	12	Back Side	829	0.159	- 3.80	24.50	24.26	1.057	0.168	/
			1	24	Left Side	829	0.061	- 0.17	24.00	23.83	1.040	0.063	/
			25	12	Left Side	829	0.067	2.12	24.50	24.26	1.057	0.071	/
			1	24	Right Side	829	0.072	- 0.13	24.00	23.83	1.040	0.075	/
			25	12	Right Side	829	0.081	2.88	24.50	24.26	1.057	0.086	/
			1	24	Bottom Side	829	0.153	- 1.64	24.00	23.83	1.040	0.159	/
			25	12	Bottom Side	829	0.169	- 1.57	24.50	24.26	1.057	0.179	/
LTE Band 7	20M	QPSK	1	0	Front side	2510	0.275	0.27	24.00	23.60	1.096	0.302	58
			50	0	Front side	2510	0.242	2.11	23.20	23.00	1.047	0.253	/
			1	0	Back Side	2510	0.240	2.56	24.00	23.60	1.096	0.263	/
			50	0	Back Side	2510	0.209	0.20	23.20	23.00	1.047	0.219	/
			1	0	Left Side	2510	0.097	3.47	24.00	23.60	1.096	0.106	/
			50	0	Left Side	2510	0.086	3.71	23.20	23.00	1.047	0.090	/
			1	0	Right Side	2510	0.124	2.43	24.00	23.60	1.096	0.136	/
			50	0	Right Side	2510	0.109	2.04	23.20	23.00	1.047	0.114	/
			1	0	Bottom Side	2510	0.253	3.32	24.00	23.60	1.096	0.277	/
			50	0	Bottom Side	2510	0.226	- 1.39	23.20	23.00	1.047	0.237	/
LTE Band 12	10M	QPSK	1	0	Front side	704	0.145	1.38	24.50	24.16	1.081	0.157	/
			25	24	Front side	704	0.162	- 2.51	25.00	24.65	1.084	0.176	60
			1	0	Back Side	704	0.127	- 0.27	24.50	24.16	1.081	0.137	/
			25	24	Back Side	704	0.142	- 2.82	25.00	24.65	1.084	0.154	/
			1	0	Left Side	704	0.056	- 0.63	24.50	24.16	1.081	0.061	/
			25	24	Left Side	704	0.060	- 0.52	25.00	24.65	1.084	0.065	/
			1	0	Right Side	704	0.069	2.16	24.50	24.16	1.081	0.075	/
			25	24	Right Side	704	0.077	3.21	25.00	24.65	1.084	0.083	/
			1	0	Bottom Side	704	0.131	- 3.87	24.50	24.16	1.081	0.142	/
			25	24	Bottom Side	704	0.149	- 3.59	25.00	24.65	1.084	0.162	/



LTE Band 66	20M	QPSK	1	49	Front side	1720	0.323	- 2.38	23.70	23.49	1.050	0.339	/
			50	49	Front side	1720	0.365	- 1.91	24.00	23.85	1.035	0.378	62
			1	49	Back Side	1720	0.281	- 0.62	23.70	23.49	1.050	0.295	/
			50	49	Back Side	1720	0.317	2.23	24.00	23.85	1.035	0.328	/
			1	49	Left Side	1720	0.115	- 1.01	23.70	23.49	1.050	0.121	/
			50	49	Left Side	1720	0.129	3.17	24.00	23.85	1.035	0.134	/
			1	49	Right Side	1720	0.144	1.72	23.70	23.49	1.050	0.151	/
			50	49	Right Side	1720	0.163	0.34	24.00	23.85	1.035	0.169	/
			1	49	Bottom Side	1720	0.298	3.82	23.70	23.49	1.050	0.313	/
			50	49	Bottom Side	1720	0.338	- 1.05	24.00	23.85	1.035	0.350	/
SA N5	20M	DFT_QPSK	1	1	Front side	836.5	0.127	2.21	22.80	22.56	1.057	0.134	/
			50	25	Front side	834	0.142	3.17	23.50	23.28	1.052	0.149	64
			1	1	Back Side	836.5	0.112	2.93	22.80	22.56	1.057	0.118	/
			50	25	Back Side	834	0.123	1.66	23.50	23.28	1.052	0.129	/
			1	1	Left Side	836.5	0.049	- 0.32	22.80	22.56	1.057	0.052	/
			50	25	Left Side	834	0.052	2.36	23.50	23.28	1.052	0.055	/
			1	1	Right Side	836.5	0.058	3.76	22.80	22.56	1.057	0.061	/
			50	25	Right Side	834	0.066	- 2.66	23.50	23.28	1.052	0.069	/
			1	1	Bottom Side	836.5	0.119	- 0.32	22.80	22.56	1.057	0.126	/
			50	25	Bottom Side	834	0.132	- 1.68	23.50	23.28	1.052	0.139	/
SA N7	20M	DFT_QPSK	1	104	Front side	2560	0.136	- 3.92	22.70	22.47	1.054	0.143	/
			50	25	Front side	2560	0.153	0.36	23.30	22.99	1.074	0.164	66
			1	104	Back Side	2560	0.121	2.39	22.70	22.47	1.054	0.128	/
			50	25	Back Side	2560	0.136	- 3.10	23.30	22.99	1.074	0.146	/
			1	104	Left Side	2560	0.048	- 2.58	22.70	22.47	1.054	0.051	/
			50	25	Left Side	2560	0.056	- 2.11	23.30	22.99	1.074	0.060	/
			1	104	Right Side	2560	0.061	0.57	22.70	22.47	1.054	0.064	/
			50	25	Right Side	2560	0.070	0.13	23.30	22.99	1.074	0.075	/
			1	104	Bottom Side	2560	0.128	- 2.28	22.70	22.47	1.054	0.135	/
			50	25	Bottom Side	2560	0.141	2.48	23.30	22.99	1.074	0.151	/



SA N38	40M	DFT_QPSK	1	104	Front side	2595	0.168	2.15	24.30	24.03	1.064	0.179	/
			50	25	Front side	2600	0.191	2.94	24.80	24.50	1.072	0.205	68
			1	104	Back Side	2595	0.147	- 1.99	24.30	24.03	1.064	0.156	/
			50	25	Back Side	2600	0.168	1.48	24.80	24.50	1.072	0.180	/
			1	104	Left Side	2595	0.061	0.63	24.30	24.03	1.064	0.065	/
			50	25	Left Side	2600	0.071	1.04	24.80	24.50	1.072	0.076	/
			1	104	Right Side	2595	0.075	- 0.32	24.30	24.03	1.064	0.080	/
			50	25	Right Side	2600	0.086	0.35	24.80	24.50	1.072	0.092	/
			1	104	Bottom Side	2595	0.156	- 1.15	24.30	24.03	1.064	0.166	/
			50	25	Bottom Side	2600	0.177	- 0.96	24.80	24.50	1.072	0.190	/
SA N41	100M	DFT_QPSK	1	271	Front side	2592.99	0.191	- 1.49	24.00	23.71	1.069	0.204	/
			135	67	Front side	2640	0.213	1.68	25.00	24.59	1.099	0.234	70
			1	271	Back Side	2592.99	0.168	1.11	24.00	23.71	1.069	0.180	/
			135	67	Back Side	2640	0.187	- 2.84	25.00	24.59	1.099	0.206	/
			1	271	Left Side	2592.99	0.069	- 2.90	24.00	23.71	1.069	0.074	/
			135	67	Left Side	2640	0.077	- 0.49	25.00	24.59	1.099	0.085	/
			1	271	Right Side	2592.99	0.087	- 0.18	24.00	23.71	1.069	0.093	/
			135	67	Right Side	2640	0.098	- 3.81	25.00	24.59	1.099	0.108	/
			1	271	Bottom Side	2592.99	0.178	- 0.83	24.00	23.71	1.069	0.190	/
			135	67	Bottom Side	2640	0.200	- 0.38	25.00	24.59	1.099	0.220	/
SA N77	100M	DFT_QPSK	1	271	Front side	3840	0.316	- 3.04	24.00	23.78	1.052	0.332	/
			135	67	Front side	3750	0.276	- 1.01	24.80	24.34	1.112	0.307	/
			135	67	Front side	3840	0.310	3.03	24.80	24.33	1.114	0.345	/
			135	67	Front side	3930	0.355	- 1.53	24.80	24.48	1.076	0.382	72
			1	271	Back Side	3840	0.270	0.07	24.00	23.78	1.052	0.284	/
			135	67	Back Side	3930	0.307	2.29	24.80	24.48	1.076	0.330	/
			1	271	Left Side	3840	0.242	- 1.06	24.00	23.78	1.052	0.255	/
			135	67	Left Side	3930	0.272	- 2.61	24.80	24.48	1.076	0.293	/
			1	271	Right Side	3840	0.100	0.94	24.00	23.78	1.052	0.105	/
			135	67	Right Side	3930	0.109	0.91	24.80	24.48	1.076	0.117	/
			1	271	Top Side	3840	0.200	- 2.34	24.00	23.78	1.052	0.210	/
			135	67	Top Side	3930	0.224	2.57	24.80	24.48	1.076	0.241	/



SA N78	100M	DFT_QPSK	1	1	Front side	3500	0.220	1.47	24.70	24.47	1.054	0.232	/
			135	67	Front side	3500	0.248	- 3.20	25.30	25.05	1.059	0.263	/
			1	1	Back Side	3500	0.254	0.32	24.70	24.47	1.054	0.268	/
			135	67	Back Side	3500	0.288	3.84	25.30	25.05	1.059	0.305	74
			1	1	Left Side	3500	0.190	- 1.45	24.70	24.47	1.054	0.200	/
			135	67	Left Side	3500	0.216	1.25	25.30	25.05	1.059	0.229	/
			1	1	Right Side	3500	0.074	- 3.28	24.70	24.47	1.054	0.078	/
			135	67	Right Side	3500	0.086	2.26	25.30	25.05	1.059	0.091	/
			1	1	Top Side	3500	0.162	2.92	24.70	24.47	1.054	0.171	/
			135	67	Top Side	3500	0.182	2.19	25.30	25.05	1.059	0.193	/



NSA:

Band	BW (MHz)	Mod.	RB Size	RB offset	Test Position	Freq.	Result 1g (W/Kg)	Power Drift (%)	Max. Turn-up Power (dBm)	Meas. Output Power (dBm)	Scaling Factor	Scaled SAR (W/Kg)	Meas. No.
SA N78	100M	DFT_QPSK	1	1	Front side	3500	0.220	0.18	24.70	24.47	1.054	0.232	/
			135	67	Front side	3500	0.248	-1.31	25.30	25.05	1.059	0.263	/
			1	1	Back Side	3500	0.254	-1.92	24.70	24.47	1.054	0.268	/
			135	67	Back Side	3500	0.288	-3.38	25.30	25.05	1.059	0.305	74
			1	1	Left Side	3500	0.190	0.42	24.70	24.47	1.054	0.200	/
			135	67	Left Side	3500	0.216	-2.05	25.30	25.05	1.059	0.229	/
			1	1	Right Side	3500	0.074	0.72	24.70	24.47	1.054	0.078	/
			135	67	Right Side	3500	0.086	0.50	25.30	25.05	1.059	0.091	/
			1	1	Top Side	3500	0.162	-3.81	24.70	24.47	1.054	0.171	/
			135	67	Top Side	3500	0.182	-3.92	25.30	25.05	1.059	0.193	/
LTE Band 5	10M	QPSK	1	24	Front side	829	0.158	3.83	24.00	23.83	1.040	0.164	/
			25	12	Front side	829	0.181	1.66	24.50	24.26	1.057	0.191	56
			1	24	Back Side	829	0.140	-3.56	24.00	23.83	1.040	0.146	/
			25	12	Back Side	829	0.159	-1.59	24.50	24.26	1.057	0.168	/
			1	24	Left Side	829	0.061	-1.19	24.00	23.83	1.040	0.063	/
			25	12	Left Side	829	0.067	-0.23	24.50	24.26	1.057	0.071	/
			1	24	Right Side	829	0.072	0.79	24.00	23.83	1.040	0.075	/
			25	12	Right Side	829	0.081	2.36	24.50	24.26	1.057	0.086	/
			1	24	Bottom Side	829	0.153	2.52	24.00	23.83	1.040	0.159	/
			25	12	Bottom Side	829	0.169	-3.49	24.50	24.26	1.057	0.179	/

Band	Mode	Max SAR	NSA N78+B5
		(W/Kg)	
NSA N78+B5	SA N78	0.305	0.496
	LTE B5	0.191	

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.	Result 1g (W/Kg)	Power Drift (%)	Max. Turn-up Power (dBm)	Meas. Output Power (dBm)	Scaling Factor	Scaled SAR (W/Kg)
SA N77	100M	DFT_QPSK	135	67	Left Cheek	3750	0.710	-1.69	24.80	24.34	1.112	0.789
			135	67	Left Cheek	3930	0.786	1.49	24.80	24.48	1.076	0.846

12.4 Repeated SAR measurement

Band	BW (MHz)	Mod.	RB Size	RB offset	Test Position	Freq.	Original Measured SAR 1g(W/kg)	1 st Repeated SAR 1g	Ratio
SA N77	100M	DFT_QPSK	135	67	Left Cheek	3750	0.739	0.710	1.041
			135	67	Left Cheek	3930	0.812	0.786	1.033

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+NFC
	2. GSM + Bluetooth+NFC
	3. WCDMA + 2.4GHz WLAN/5G WLAN+NFC
	4. WCDMA + Bluetooth+NFC
	5. LTE + 2.4GHz WLAN/5G WLAN+NFC
	6. LTE + Bluetooth+NFC
	7. NR SA + 2.4GHz WLAN/5G WLAN+NFC
	8. NR SA + Bluetooth+NFC
	9. NSA + 2.4GHz WLAN/5G WLAN+NFC
	10. NSA + Bluetooth+NFC
Body	1. GSM + 2.4GHz WLAN/5G WLAN+NFC
	2. GSM + Bluetooth+NFC
	3. WCDMA + 2.4GHz WLAN/5G WLAN+NFC
	4. WCDMA + Bluetooth+NFC
	5. LTE + 2.4GHz WLAN/5G WLAN+NFC
	6. LTE + Bluetooth+NFC
	7. NR SA + 2.4GHz WLAN/5G WLAN+NFC
	8. NR SA + Bluetooth+NFC
	9. NSA + 2.4GHz WLAN/5G WLAN+NFC
	10. NSA + Bluetooth+NFC

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) 0.4W/Kg for 1-g SAR and 1.0W/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			
BT	Head	6.3	4.266	5	2.441	0.178
	Body			5	2.441	0.178
NFC	Head	-38	0.000158	5	0.01356	0.0000005
	Body			5	0.01356	0.0000005



Simultaneous Mode	Position	Mode	Max. 1-g SAR	1-g Sum SAR
			(W/kg)	(W/kg)
GSM + 2.4G WLAN + NFC	Head	GSM	0.190	0.721
		NFC	0.0000005	
		2.4G WLAN	0.531	
	Body	GSM	0.235	0.613
		NFC	0.0000005	
		2.4G WLAN	0.378	
GSM + Bluetooth+ NFC	Head	GSM	0.190	0.368
		NFC	0.0000005	
		BT	0.178	
	Body	GSM	0.235	0.413
		NFC	0.0000005	
		BT	0.178	
GSM + 5G WLAN+ NFC	Head	GSM	0.190	0.842
		NFC	0.0000005	
		5G WLAN	0.652	
	Body	GSM	0.235	0.619
		NFC	0.0000005	
		5G WLAN	0.384	
WCDMA + 2.4G WLAN + NFC	Head	WCDMA	0.794	1.325
		NFC	0.0000005	
		2.4G WLAN	0.531	
	Body	WCDMA	0.330	0.708
		NFC	0.0000005	
		2.4G WLAN	0.378	
WCDMA + Bluetooth+ NFC	Head	WCDMA	0.794	0.972
		NFC	0.0000005	
		BT	0.178	
	Body	WCDMA	0.330	0.508
		NFC	0.0000005	
		BT	0.178	
WCDMA + 5G WLAN+ NFC	Head	WCDMA	0.794	1.446
		NFC	0.0000005	
		5G WLAN	0.652	
	Body	WCDMA	0.330	0.714
		NFC	0.0000005	
		5G WLAN	0.384	
LTE + 2.4G WLAN + NFC	Head	LTE	0.762	1.293
		NFC	0.0000005	
		2.4G WLAN	0.531	
	Body	LTE	0.378	0.756
		NFC	0.0000005	
		2.4G WLAN	0.378	



LTE + Bluetooth+ NFC	Head	LTE	0.762	0.940
		NFC	0.0000005	
		BT	0.178	
	Body	LTE	0.378	0.556
		NFC	0.0000005	
		BT	0.178	
LTE + 5G WLAN+ NFC	Head	LTE	0.762	1.414
		NFC	0.0000005	
		5G WLAN	0.652	
	Body	LTE	0.378	0.762
		NFC	0.0000005	
		5G WLAN	0.384	
NR SA + 2.4G WLAN + NFC	Head	NR SA	0.874	1.405
		NFC	0.0000005	
		2.4G WLAN	0.531	
	Body	NR SA	0.382	0.760
		NFC	0.0000005	
		2.4G WLAN	0.378	
NR SA + Bluetooth+ NFC	Head	NR SA	0.874	1.052
		NFC	0.0000005	
		BT	0.178	
	Body	NR SA	0.382	0.560
		NFC	0.0000005	
		BT	0.178	
NR SA + 5G WLAN+ NFC	Head	NR SA	0.874	1.526
		NFC	0.0000005	
		5G WLAN	0.652	
	Body	NR SA	0.382	0.766
		NFC	0.0000005	
		5G WLAN	0.384	
NSA + 2.4G WLAN + NFC	Head	NSA	0.912	1.443
		NFC	0.0000005	
		2.4G WLAN	0.531	
	Body	NSA	0.496	0.874
		NFC	0.0000005	
		2.4G WLAN	0.378	
NSA + Bluetooth+ NFC	Head	NSA	0.912	1.090
		NFC	0.0000005	
		BT	0.178	
	Body	NSA	0.496	0.674
		NFC	0.0000005	
		BT	0.178	



NSA + 5G WLAN+ NFC	Head	NSA	0.912	1.564
		NFC	0.0000005	
		5G WLAN	0.652	
	Body	NSA	0.496	0.880
		NFC	0.0000005	
		5G WLAN	0.384	

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	2025.05.20	2028.05.19
835MHz Dipole	MVG	DIP0G835	SN 06/22 DIP0G835-639	2025.05.20	2028.05.19
1800MHz Dipole	MVG	DIP1G800	SN 06/22 DIP1G800-640	2025.05.20	2028.05.19
1900MHz Dipole	MVG	DIP1G900	SN 06/22 DIP1G900-641	2025.05.20	2028.05.19
2450MHz Dipole	MVG	DIP2G450	SN 06/22 DIP2G450-645	2025.05.20	2028.05.19
2600MHz Dipole	MVG	DIP2G600	SN 06/22 DIP2G600-646	2025.05.20	2028.05.19
3500MHz Dipole	MVG	DIP3G500	SN 06/22 DIP3G500-647	2025.05.20	2028.05.19
3700MHz Dipole	MVG	DIP3G700	SN 06/22 DIP3G700-648	2025.05.21	2028.05.20
3900MHz Dipole	MVG	DIP3G900	SN 06/22 DIP3G900-649	2025.05.21	2028.05.20
5000MHz Dipole	MVG	DIP5G000	SN 06/22 DIP5G000-653	2025.05.22	2028.05.21
E-Field Probe	MVG	SSE2	2225-EPGO-450	2025.06.06	2026.06.05
Liquid Calibration Kit	MVG	OCPG 87	SN 06/22 OCPG87	2025.06.02	2026.06.01
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	2025.03.05	2026.03.04
Multi Meter	DMM6500	Keithley	4527252	2025.03.06	2026.03.05
Signal Generator	Keysight	N5182B	MY59100717	2025.03.05	2026.03.04
Wireless Communication Test Set	R&S	CMW500	137737	2025.03.05	2026.03.04
Power Sensor	R&S	Z11	116184	2025.03.05	2026.03.04
Electronic Temperature hygrometer	N/A	ST-W2318	N/A	2025.03.05	2026.03.04
Temperature hygrometer	N/A	TP101	N/A	2025.03.05	2026.03.04



Appendix A. System Validation Plots

System Performance Check Data (750MHz)

Type: Phone measurement (Complete)

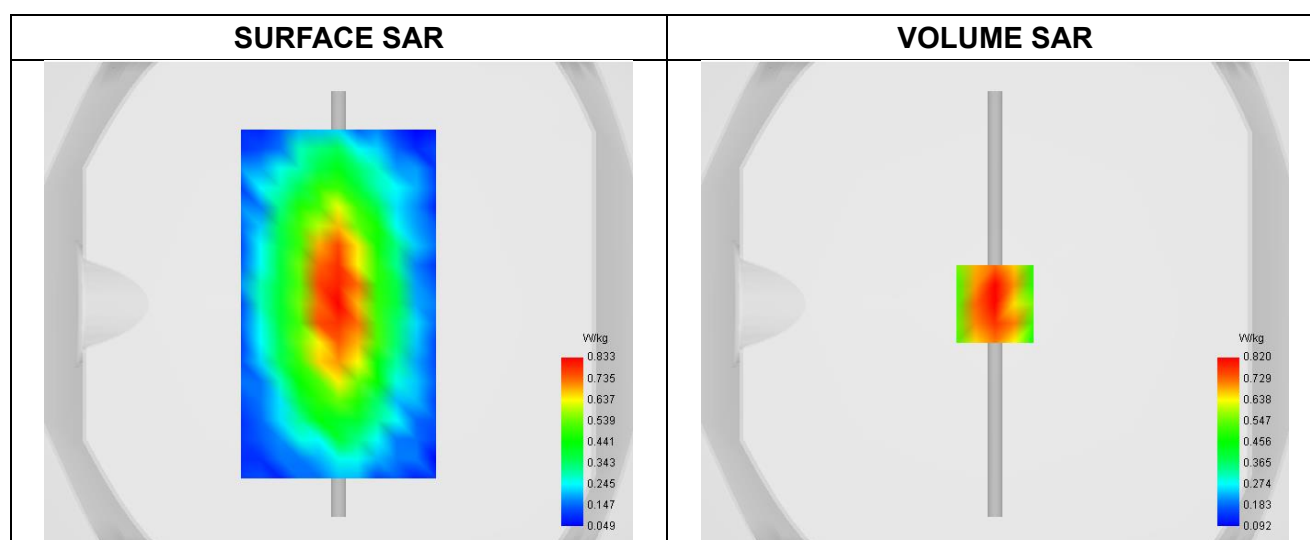
Area scan resolution: dx=8mm,dy=8mm

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

Date of measurement: 2025-09-06

Experimental conditions.

Phantom	Validation plane
Device Position	Dipole
Band	CW750
Channels	Middle
Signal	CW
Frequency (MHz)	750.000
Relative permittivity	41.71
Conductivity (S/m)	0.87
Probe	2225-EPGO-450
ConvF	1.08
Crest factor:	1:1

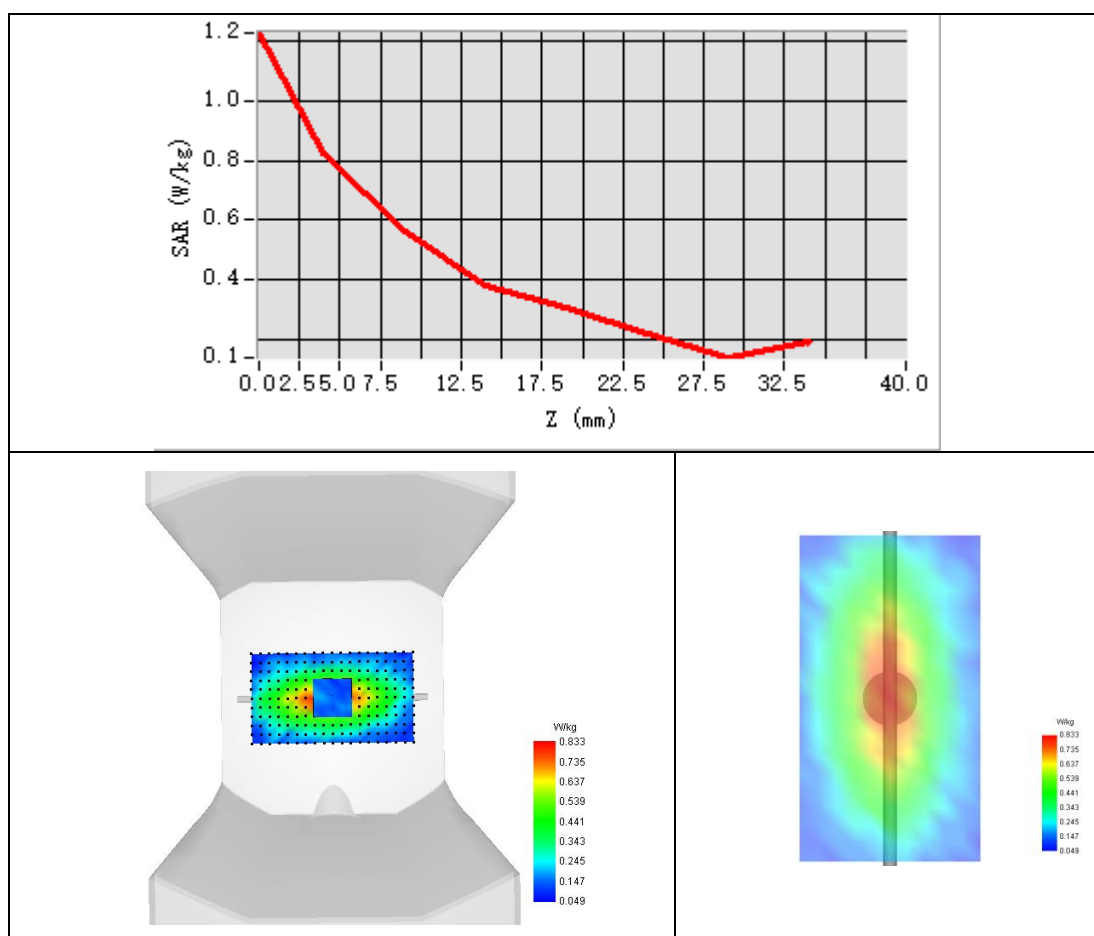


Maximum location: X=1.00, Y=-1.00 ; SAR Peak: 1.39 W/kg

SAR 10g (W/Kg)	0.517
SAR 1g (W/Kg)	0.890



Z Axis Scan





System Performance Check Data (835MHz)

Type: Phone measurement (Complete)

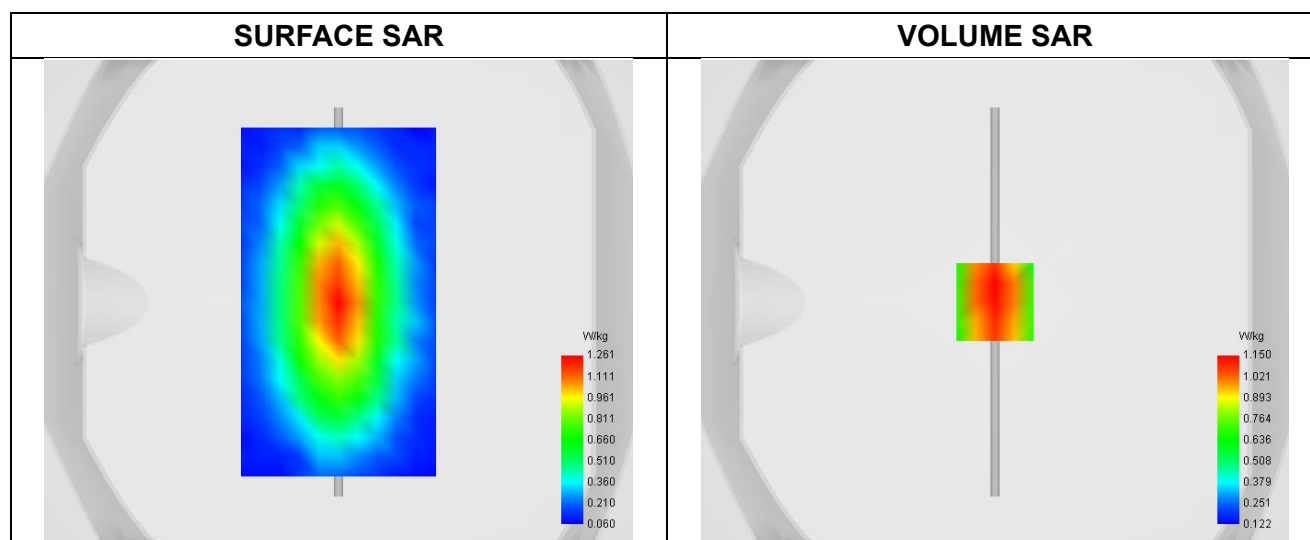
Area scan resolution: dx=8mm,dy=8mm

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

Date of measurement: 2025-09-02

Experimental conditions.

Phantom	Validation plane
Device Position	Dipole
Band	CW835
Channels	Middle
Signal	CW
Frequency (MHz)	835.000
Relative permittivity	42.14
Conductivity (S/m)	0.88
Probe	2225-EPGO-450
ConvF	1.02
Crest factor:	1:1

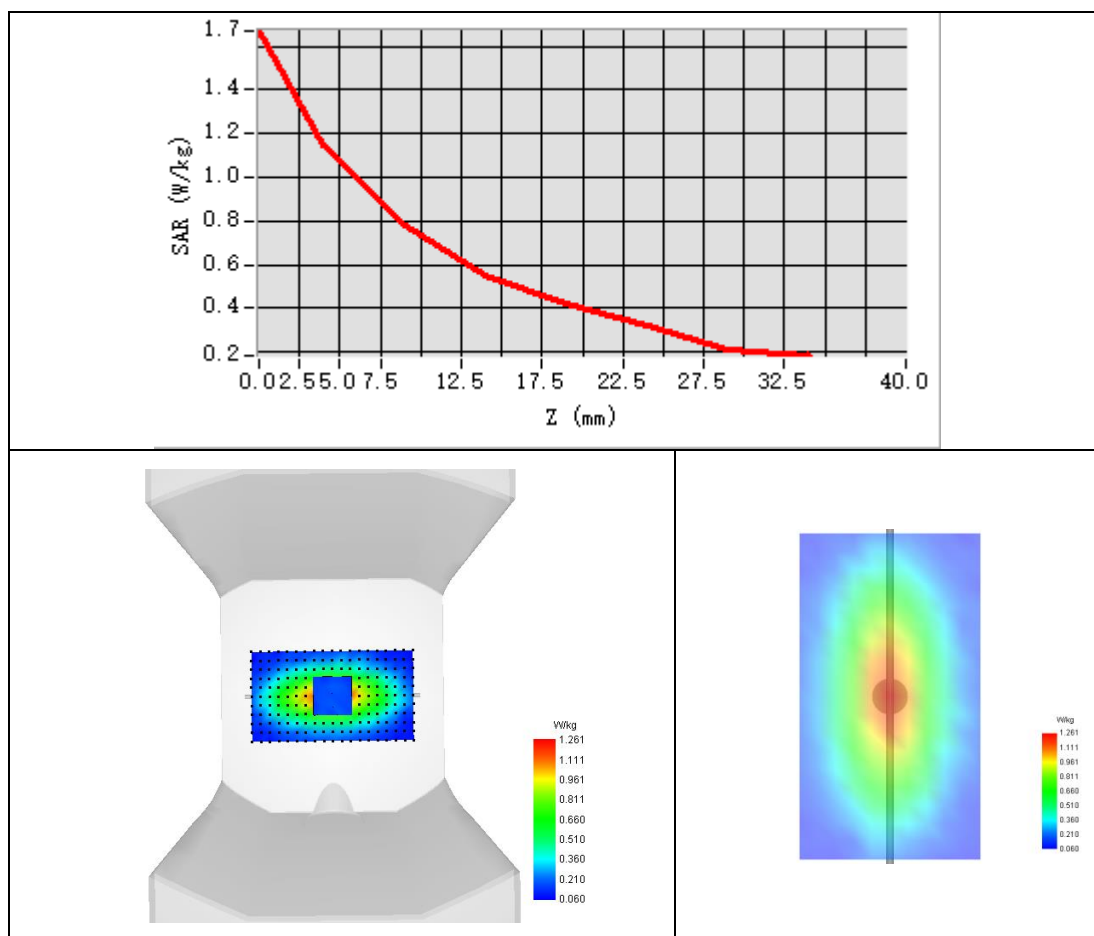


Maximum location: X=1.00, Y=1.00 ; SAR Peak: 1.52 W/kg

SAR 10g (W/Kg)	0.613
SAR 1g (W/Kg)	0.924



Z Axis Scan





System Performance Check Data (1800MHz)

Type: Phone measurement (Complete)

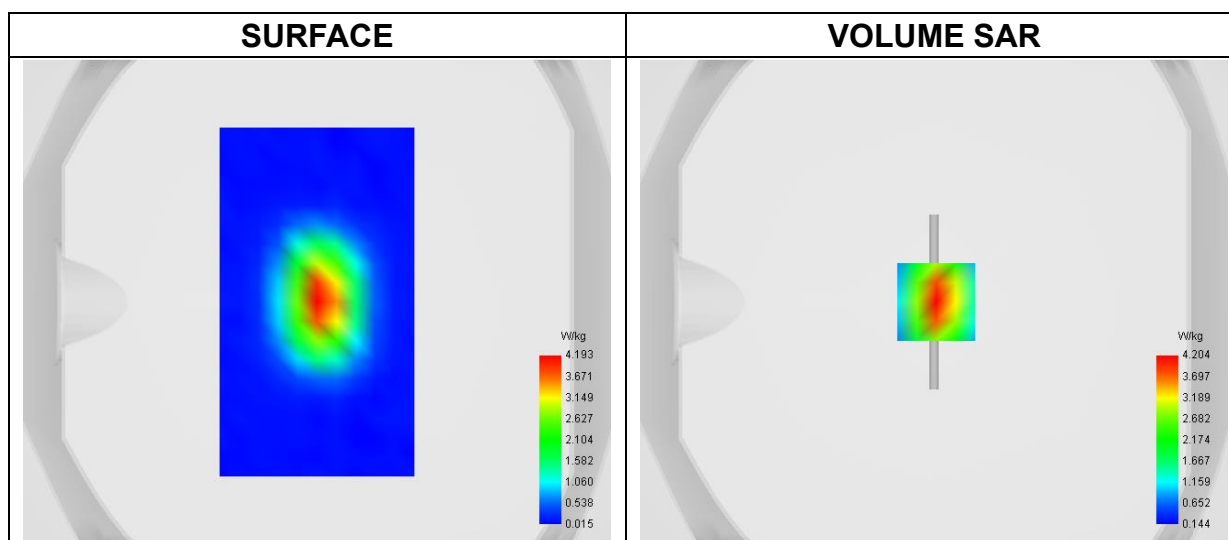
Area scan resolution: dx=8mm, dy=8mm

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

Date of measurement: 2025-09-05

Experimental conditions.

Phantom	Validation plane
Device Position	Dipole
Band	CW1800
Channels	Middle
Signal	CW
Frequency (MHz)	1800.000
Relative permittivity	40.88
Conductivity (S/m)	1.35
Probe	2225-EPGO-450
ConvF	1.21
Crest factor:	1:1

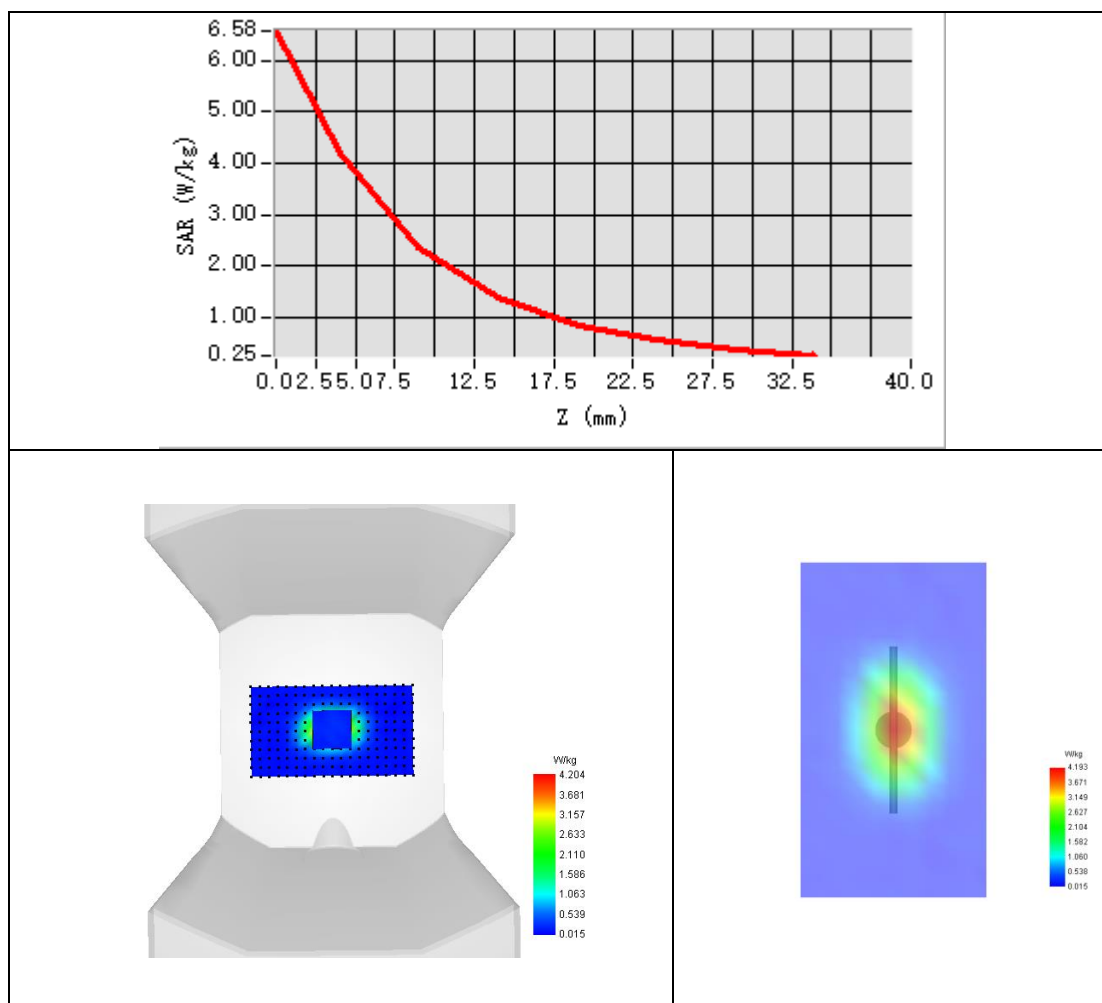


Maximum location: X=5.00, Y=3.00 ; SAR Peak: 6.54 W/kg

SAR 10g (W/Kg)	1.893
SAR 1g (W/Kg)	3.635



Z Axis Scan





System Performance Check Data (1900MHz)

Type: Phone measurement (Complete)

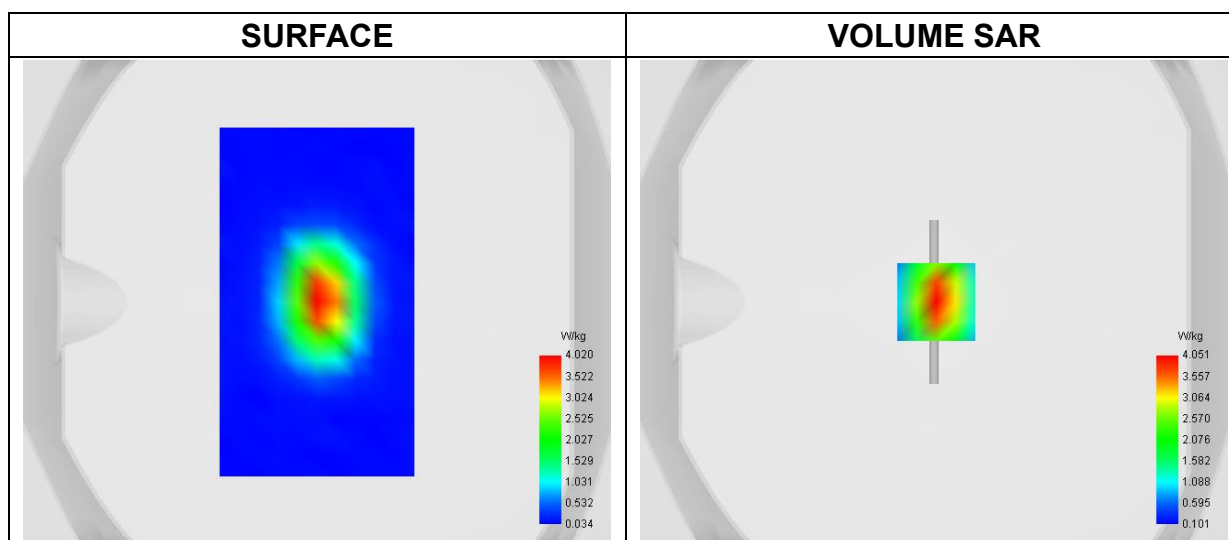
Area scan resolution: dx=8mm, dy=8mm

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

Date of measurement: 2025-09-04

Experimental conditions.

Phantom	Validation plane
Device Position	Dipole
Band	CW1900
Channels	Middle
Signal	CW
Frequency (MHz)	1900.000
Relative permittivity	40.76
Conductivity (S/m)	1.42
Probe	2225-EPGO-450
ConvF	1.34
Crest factor:	1:1

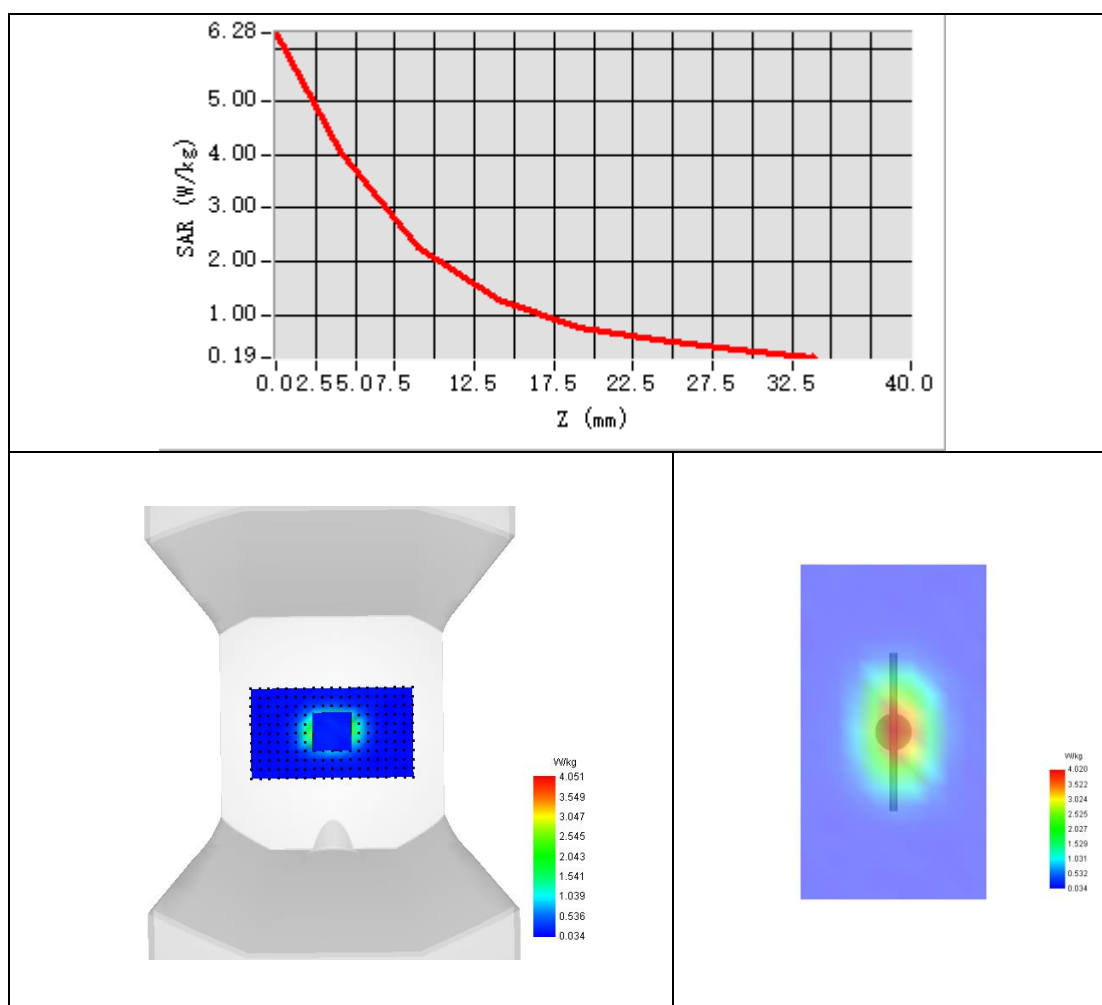


Maximum location: X=3.00, Y=1.00 ; SAR Peak: 6.92 W/kg

SAR 10g (W/Kg)	2.048
SAR 1g (W/Kg)	3.997



Z Axis Scan





System Performance Check Data (2450MHz)

Type: Phone measurement (Complete)

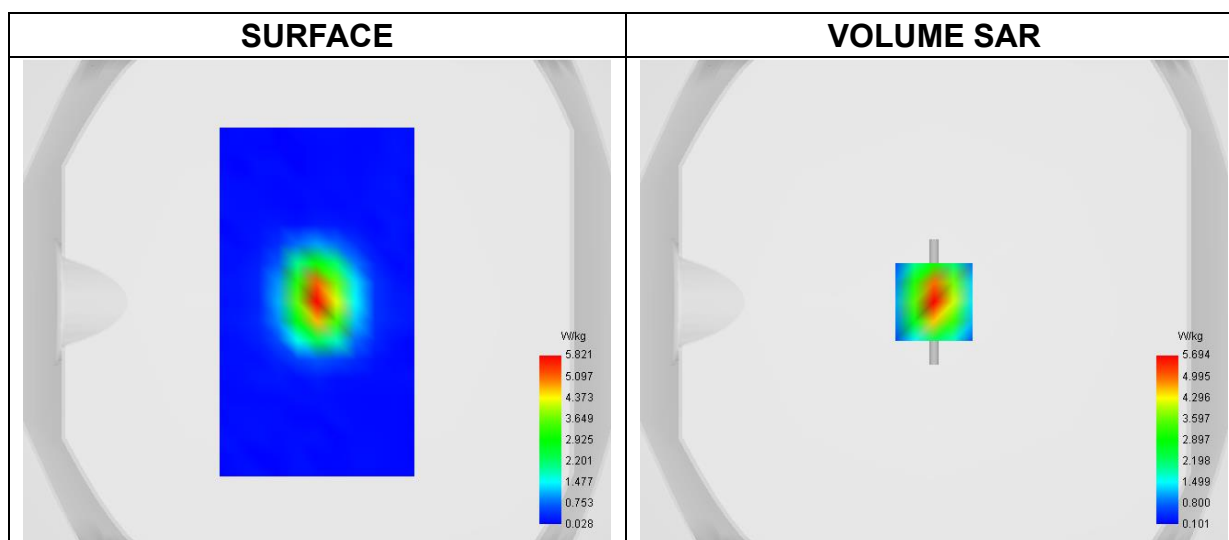
Area scan resolution: dx=8mm, dy=8mm

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

Date of measurement: 2025-09-06

Experimental conditions.

Phantom	Validation plane
Device Position	Dipole
Band	CW2450
Channels	Middle
Signal	CW
Frequency (MHz)	2450.000
Relative permittivity	40.65
Conductivity (S/m)	1.82
Probe	2225-EPGO-450
ConvF	1.51
Crest factor:	1:1

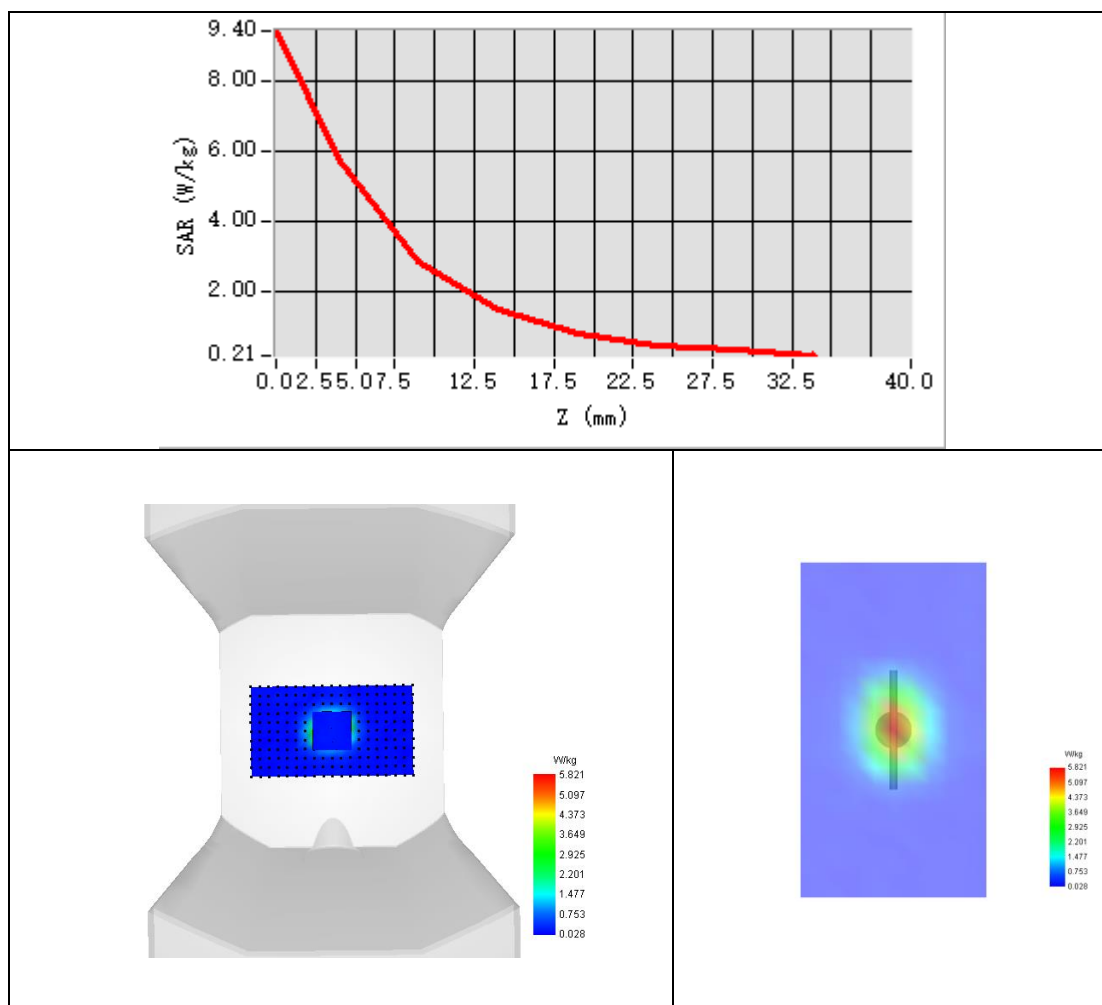


Maximum location: X=0.00, Y=0.00 ; SAR Peak: 8.63 W/kg

SAR 10g (W/Kg)	2.448
SAR 1g (W/Kg)	5.286



Z Axis Scan





System Performance Check Data (2600MHz)

Type: Phone measurement (Complete)

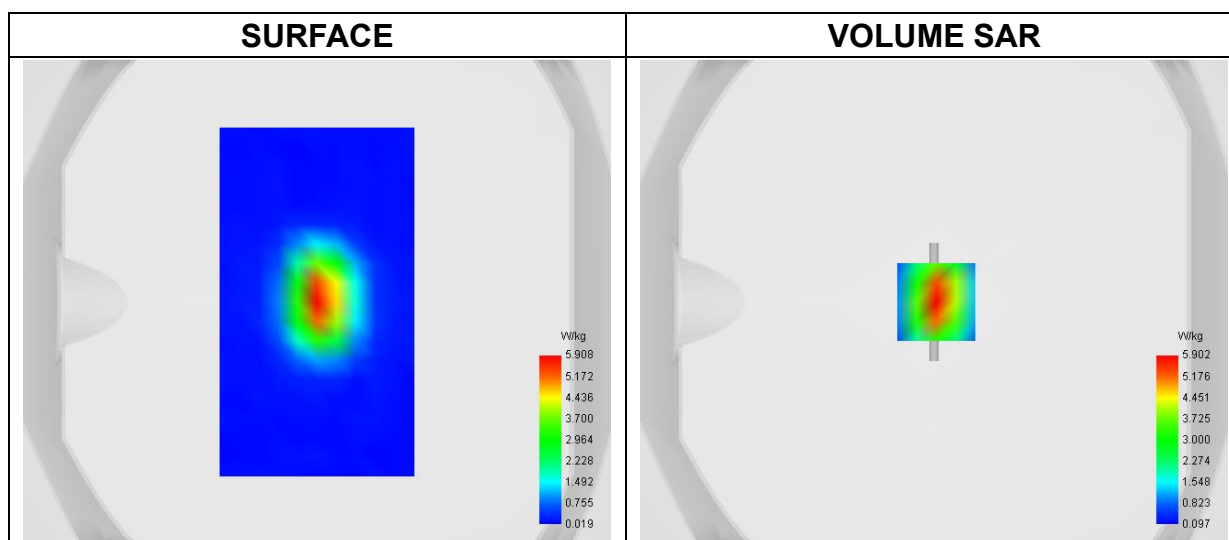
Area scan resolution: dx=8mm, dy=8mm

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

Date of measurement: 2025-09-03

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)	1.95
Probe	2225-EPGO-450
ConvF	1.44
Crest factor:	1:1

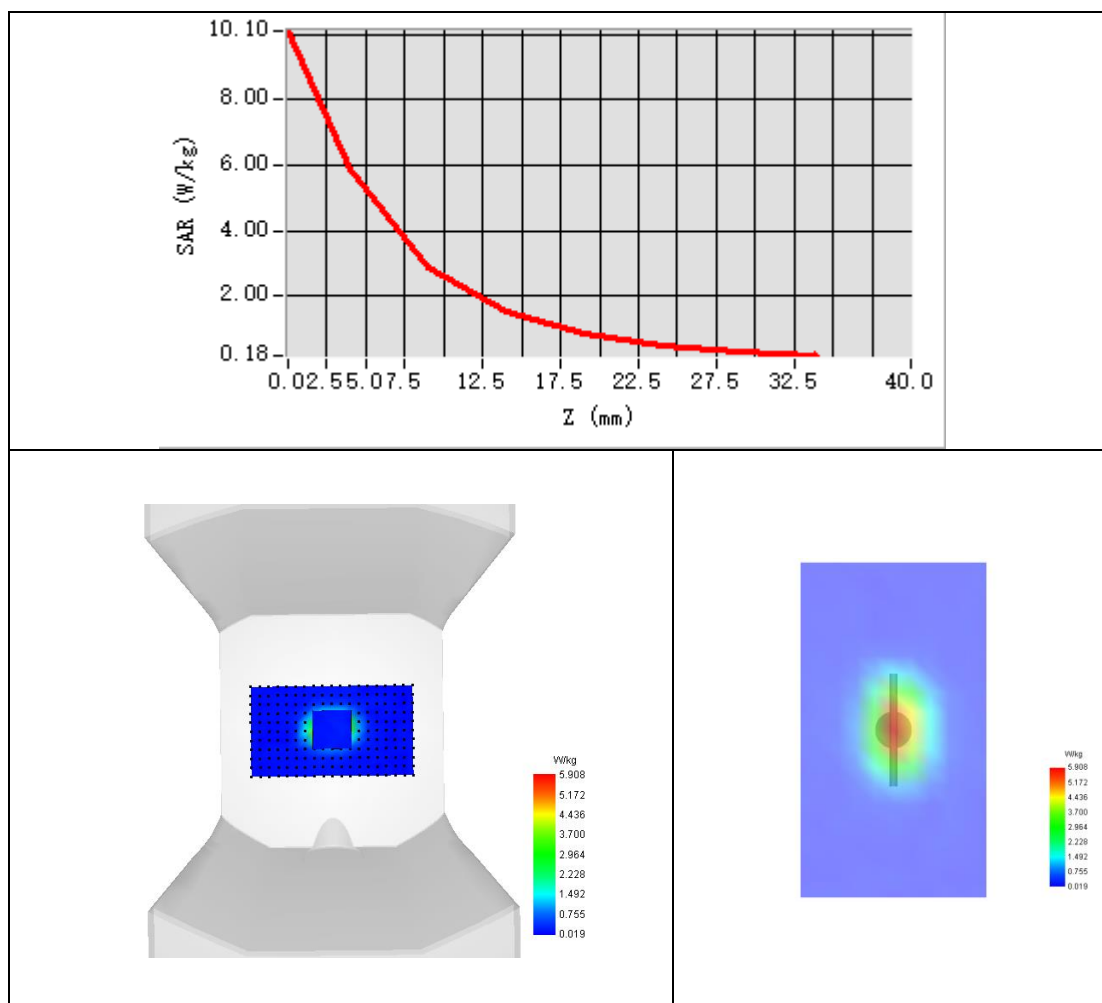


Maximum location: X=1.00, Y=0.00 ; SAR Peak: 9.98 W/kg

SAR 10g (W/Kg)	2.510
SAR 1g (W/Kg)	5.594



Z Axis Scan





System Performance Check Data (2600MHz)

Type: Phone measurement (Complete)

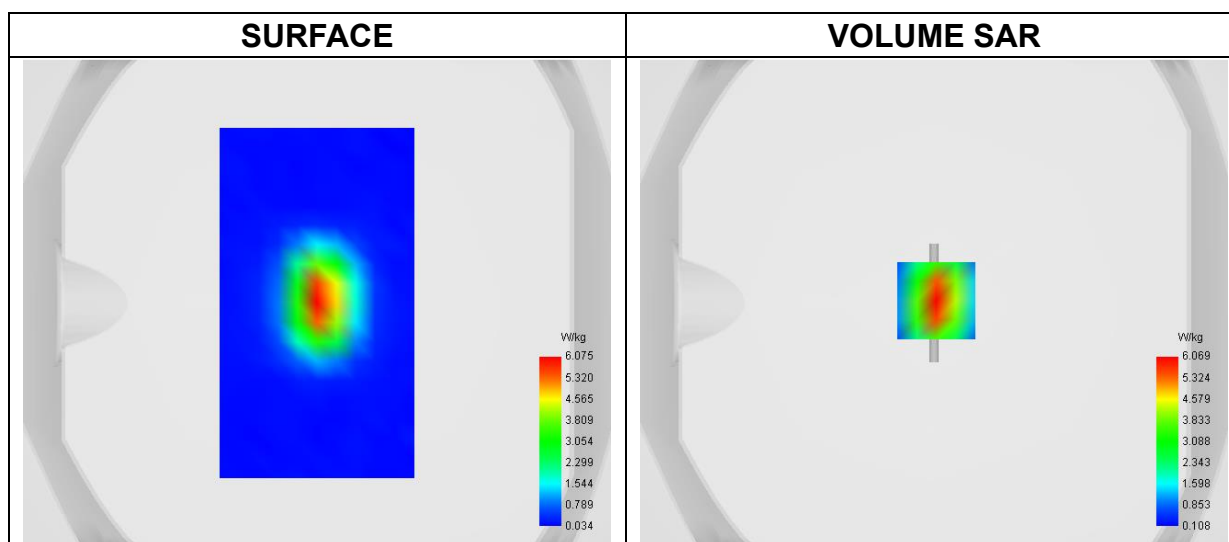
Area scan resolution: dx=8mm, dy=8mm

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

Date of measurement: 2025-09-12

Experimental conditions.

Phantom	Validation plane
Device Position	Dipole
Band	CW2600
Channels	Middle
Signal	CW
Frequency (MHz)	2600.000
Relative permittivity	39.80
Conductivity (S/m)	2.03
Probe	2225-EPGO-450
ConvF	1.44
Crest factor:	1:1

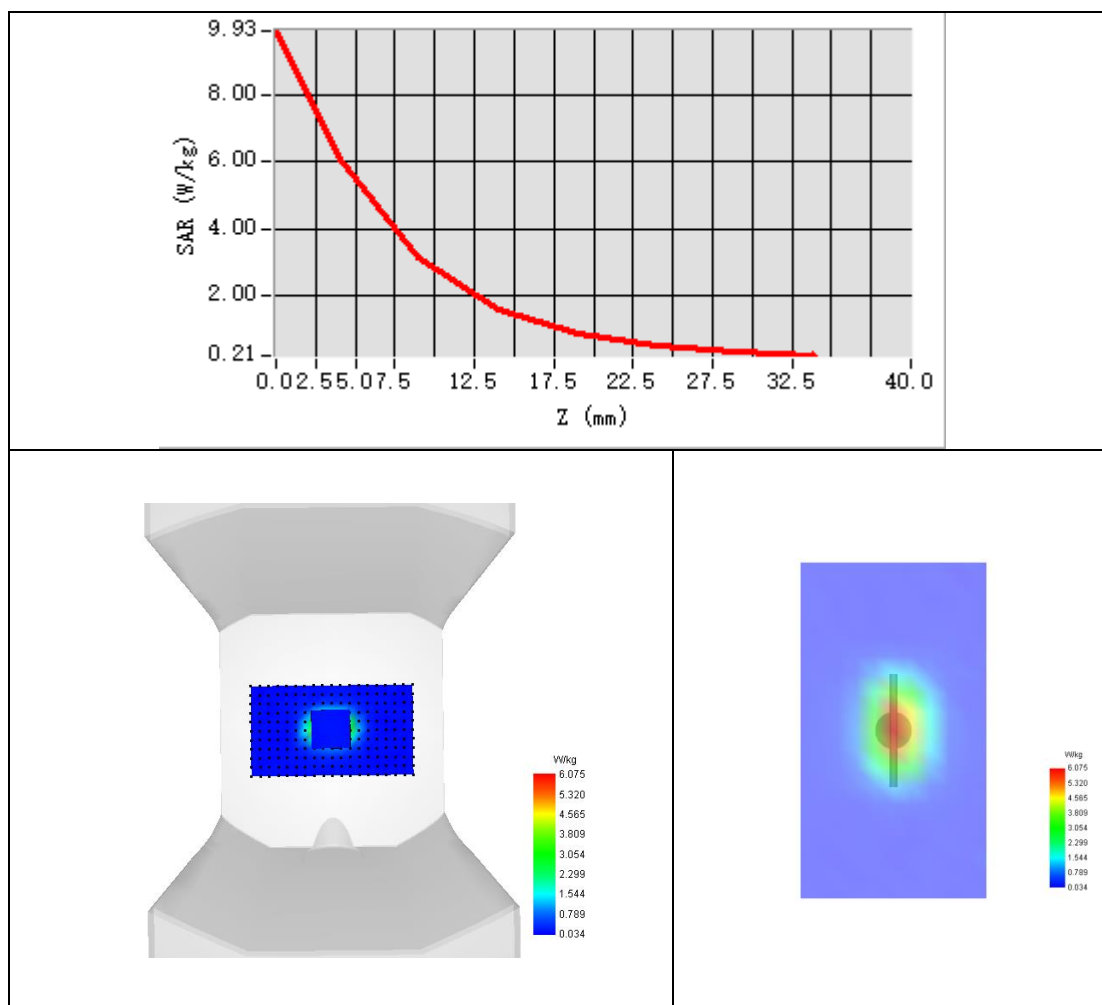


Maximum location: X=1.00, Y=1.00 ; SAR Peak: 9.97 W/kg

SAR 10g (W/Kg)	2.556
SAR 1g (W/Kg)	5.634



Z Axis Scan





System Performance Check Data (3500MHz)

Type: Phone measurement (Complete)

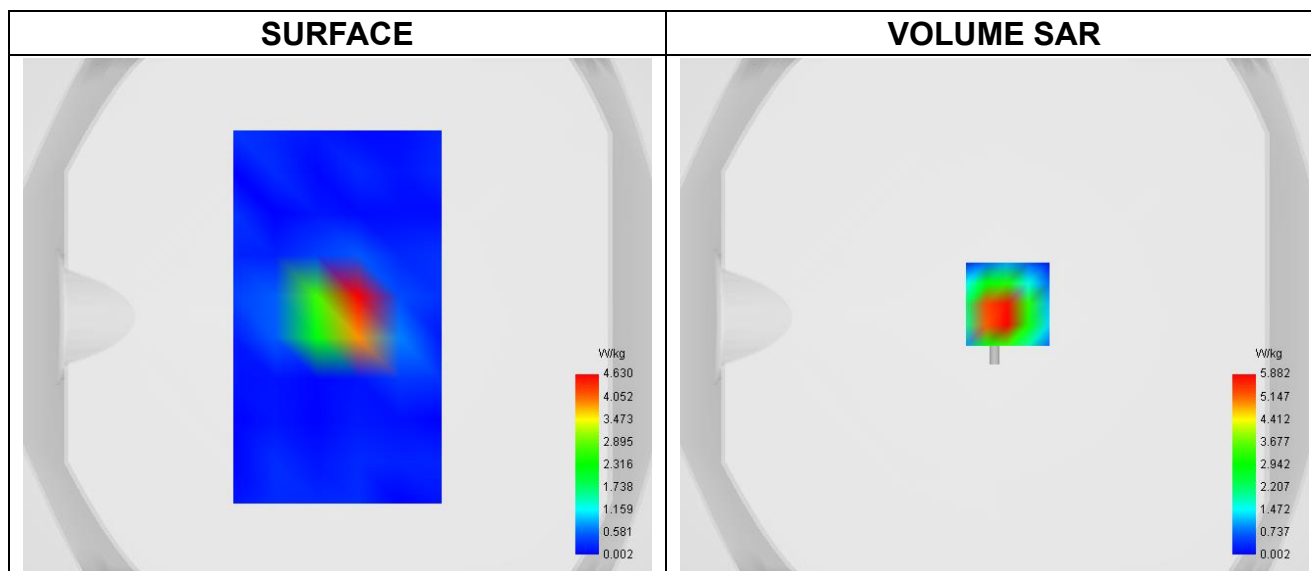
Area scan resolution: dx=8mm, dy=8mm

Zoom scan resolution: dx=4mm, dy=4mm, dz=2mm

Date of measurement: 2025-09-08

Experimental conditions.

Phantom	Validation plane
Device Position	Dipole
Band	CW3500
Channels	Middle
Signal	CW
Frequency (MHz)	3500.000
Relative permittivity	38.77
Conductivity (S/m)	3.03
Probe	2225-EPGO-450
ConvF	1.35
Crest factor:	1:1

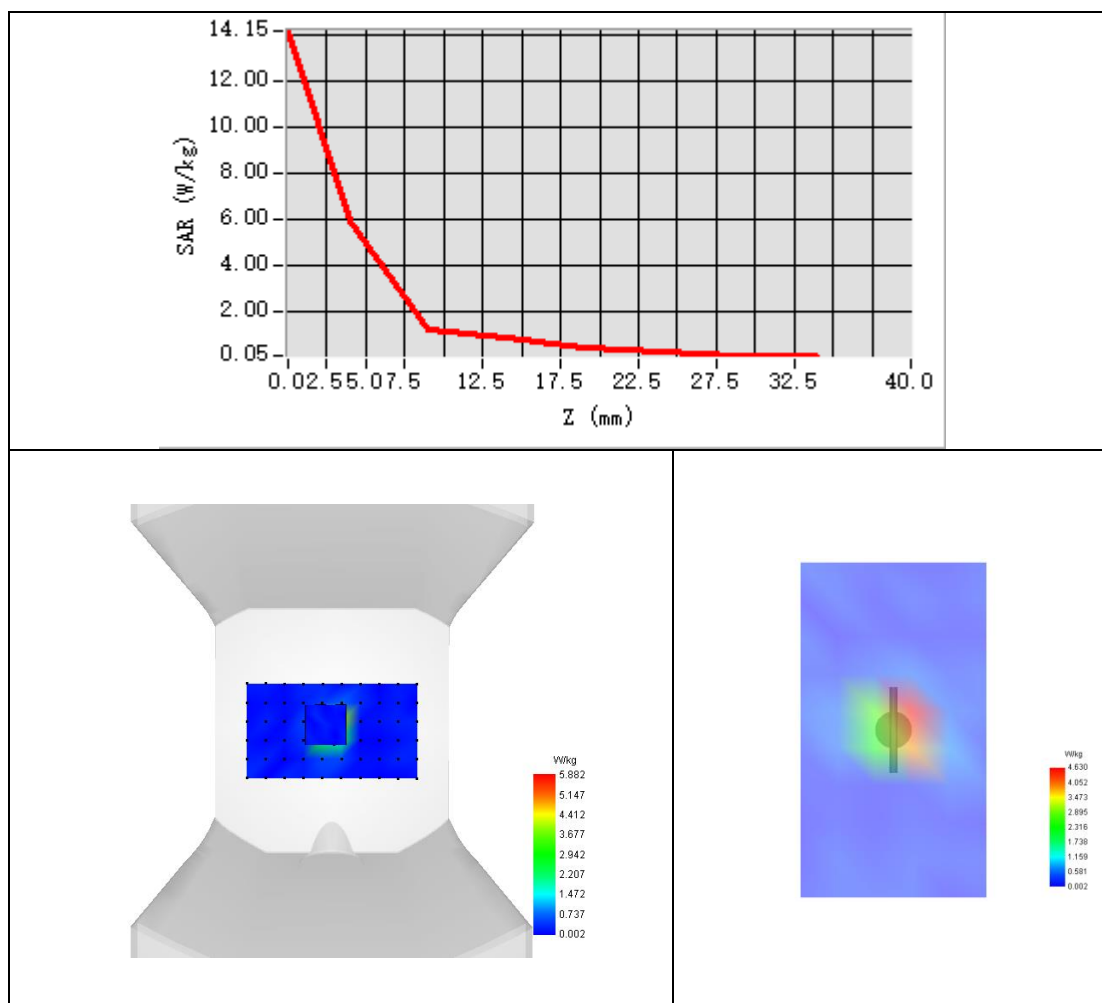


Maximum location: X=5.00, Y=5.00 ; SAR Peak: 12.48 W/kg

SAR 10g (W/Kg)	2.557
SAR 1g (W/Kg)	6.459



Z Axis Scan





System Performance Check Data (3700MHz)

Type: Phone measurement (Complete)

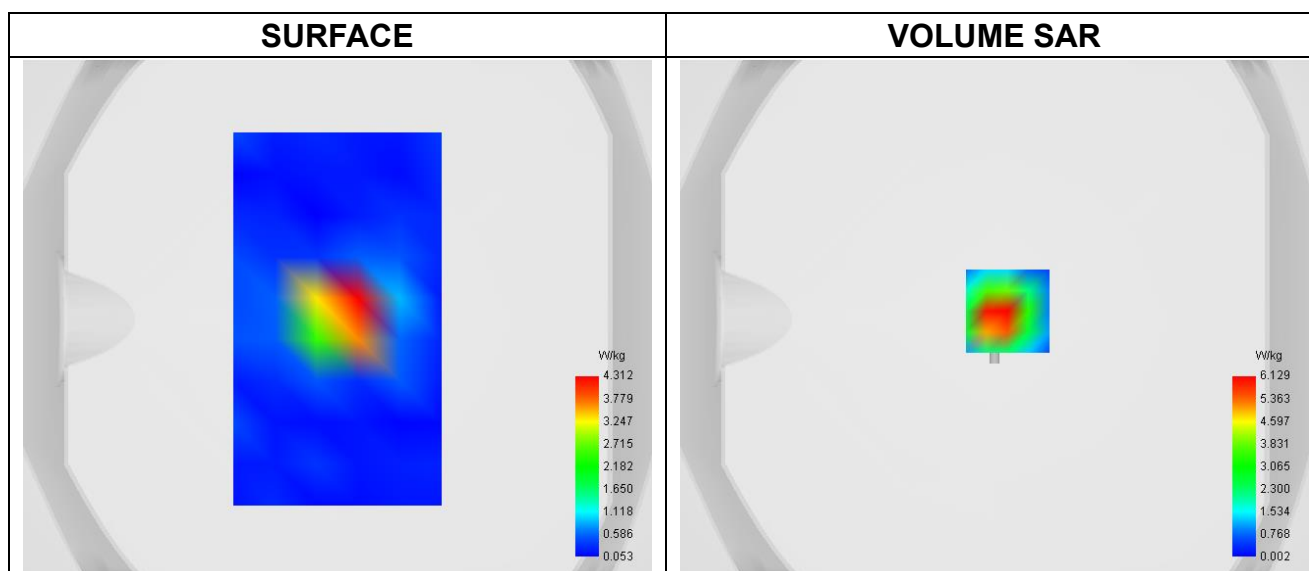
Area scan resolution: dx=8mm, dy=8mm

Zoom scan resolution: dx=4mm, dy=4mm, dz=2mm

Date of measurement: 2025-09-08

Experimental conditions.

Phantom	Validation plane
Device Position	Dipole
Band	CW3700
Channels	Middle
Signal	CW
Frequency (MHz)	3700.000
Relative permittivity	38.79
Conductivity (S/m)	3.05
Probe	2225-EPGO-450
ConvF	1.34
Crest factor:	1:1

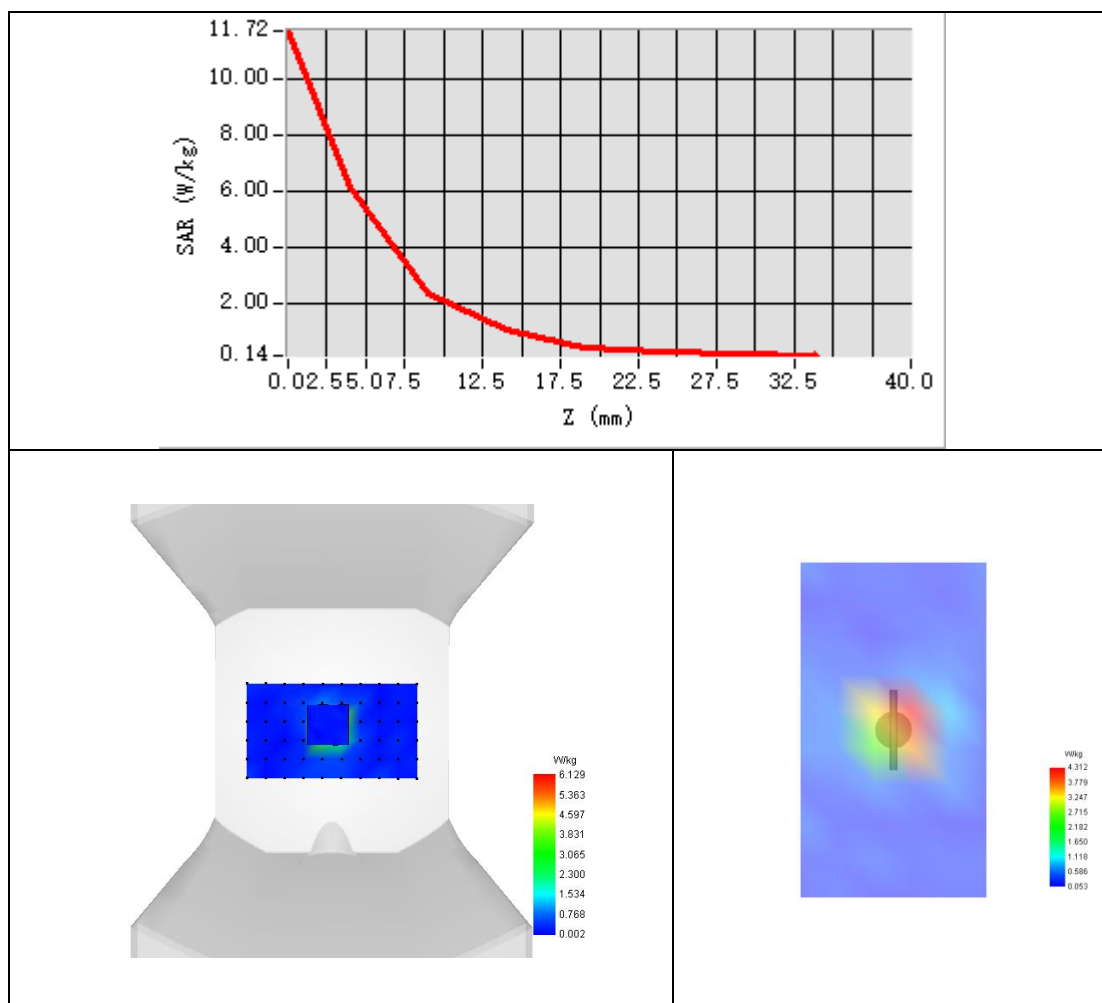


Maximum location: X=3.00, Y=5.00 ; SAR Peak: 12.90 W/kg

SAR 10g (W/Kg)	2.546
SAR 1g (W/Kg)	6.594



Z Axis Scan





System Performance Check Data (3900MHz)

Type: Phone measurement (Complete)

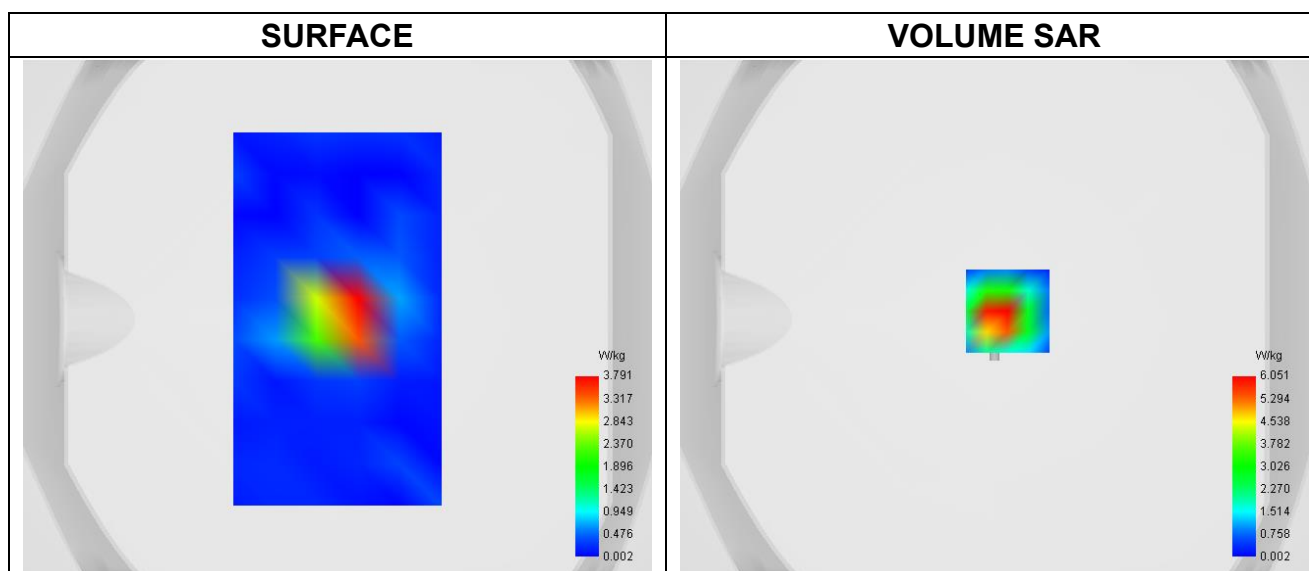
Area scan resolution: dx=8mm, dy=8mm

Zoom scan resolution: dx=4mm, dy=4mm, dz=2mm

Date of measurement: 2025-09-10

Experimental conditions.

Phantom	Validation plane
Device Position	Dipole
Band	CW3900
Channels	Middle
Signal	CW
Frequency (MHz)	3900.000
Relative permittivity	37.44
Conductivity (S/m)	3.27
Probe	2225-EPGO-450
ConvF	1.5
Crest factor:	1:1

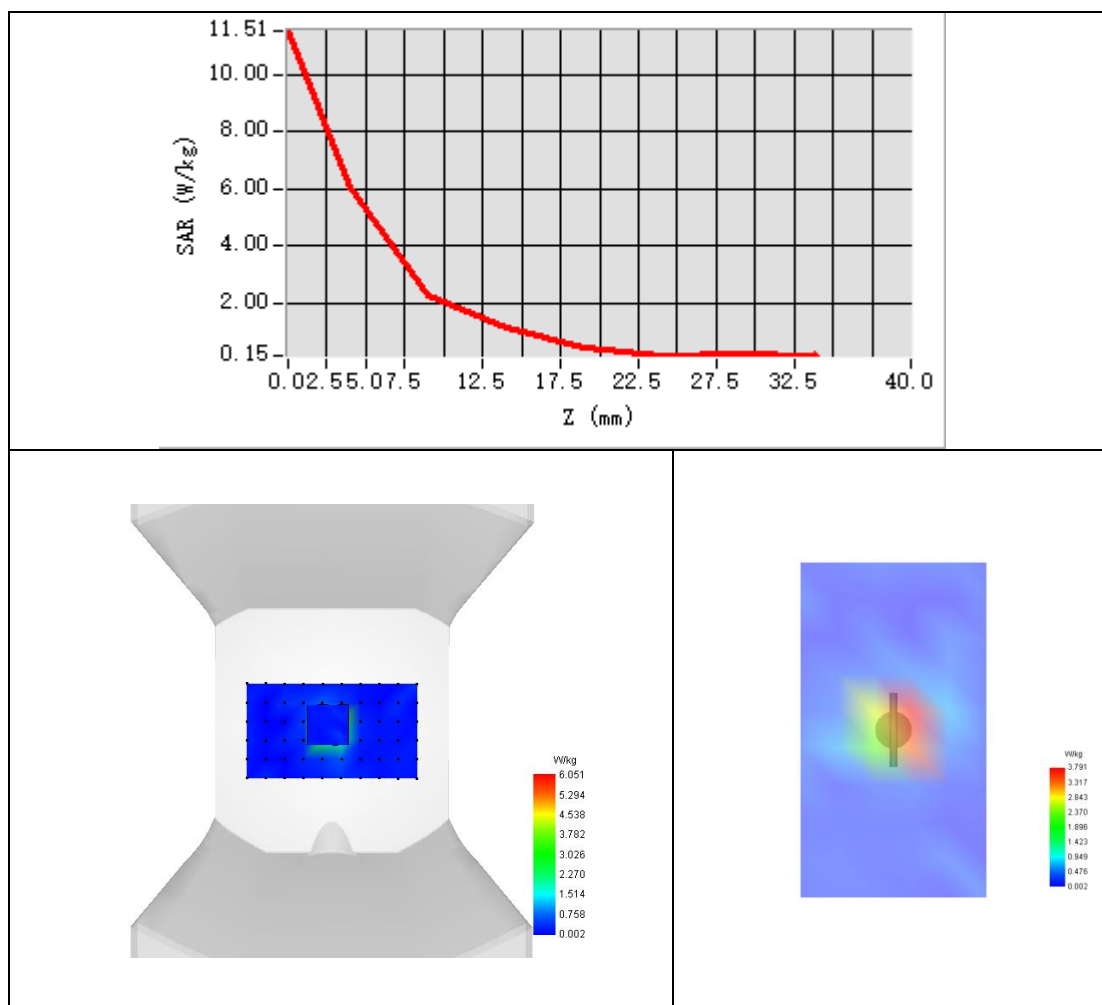


Maximum location: X=5.00, Y=5.00 ; SAR Peak: 14.69 W/kg

SAR 10g (W/Kg)	2.493
SAR 1g (W/Kg)	6.799



Z Axis Scan





System Performance Check Data (5200MHz)

Type: Phone measurement (Complete)

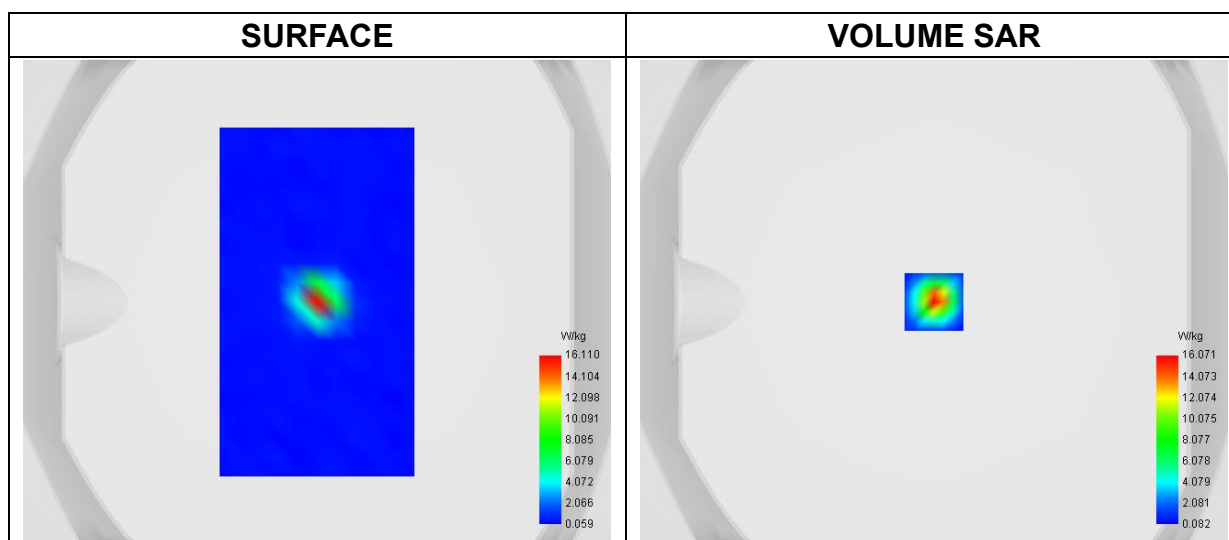
Area scan resolution: dx=8mm, dy=8mm

Zoom scan resolution: dx=4mm, dy=4mm, dz=2mm

Date of measurement: 2025-09-13

Experimental conditions.

Phantom	Validation plane
Device Position	Dipole
Band	CW5200
Channels	Middle
Signal	CW
Frequency (MHz)	5200.000
Relative permittivity	36.22
Conductivity (S/m)	4.64
Probe	2225-EPGO-450
ConvF	1.58
Crest factor:	1:1

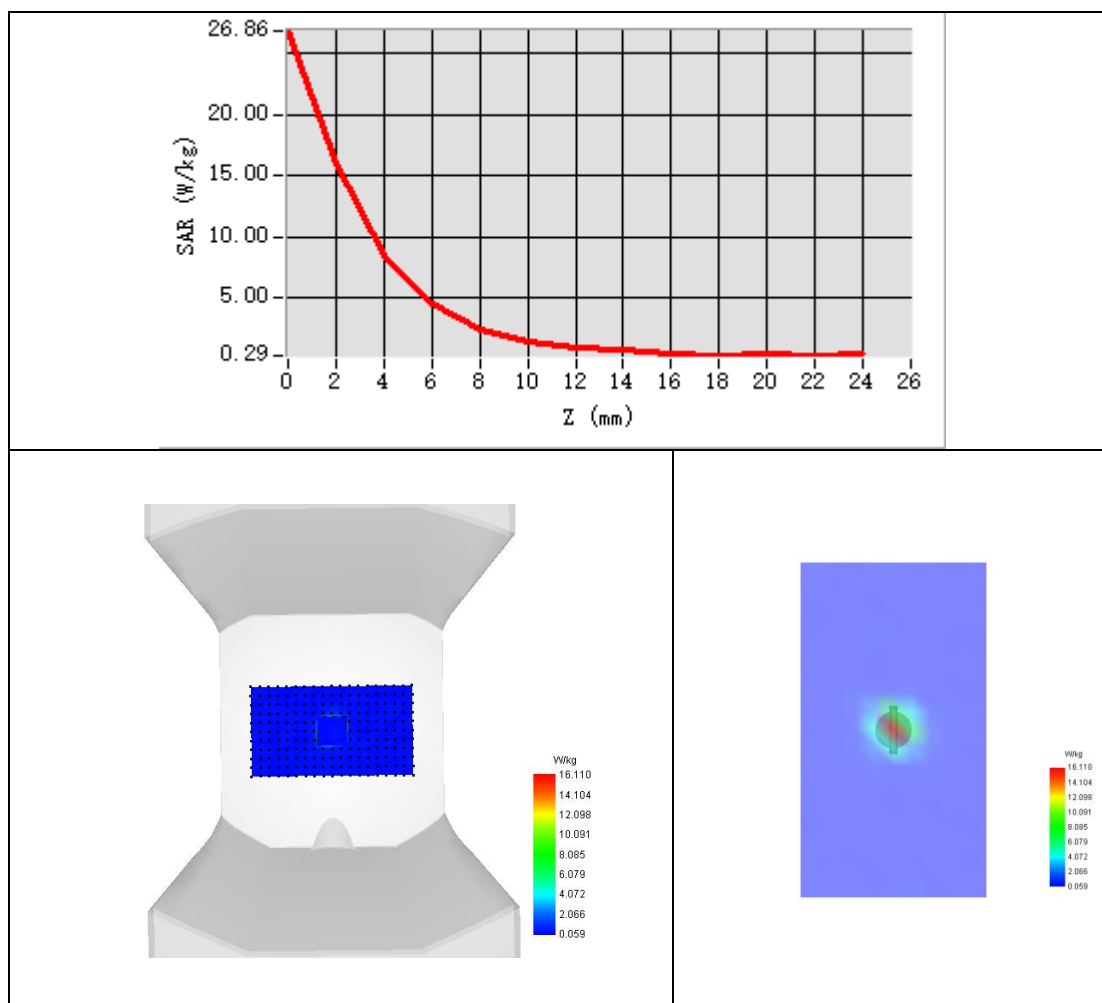


Maximum location: X=6.00, Y=5.00 ; SAR Peak: 22.18 W/kg

SAR 10g (W/Kg)	2.281
SAR 1g (W/Kg)	7.751



Z Axis Scan





System Performance Check Data (5400MHz)

Type: Phone measurement (Complete)

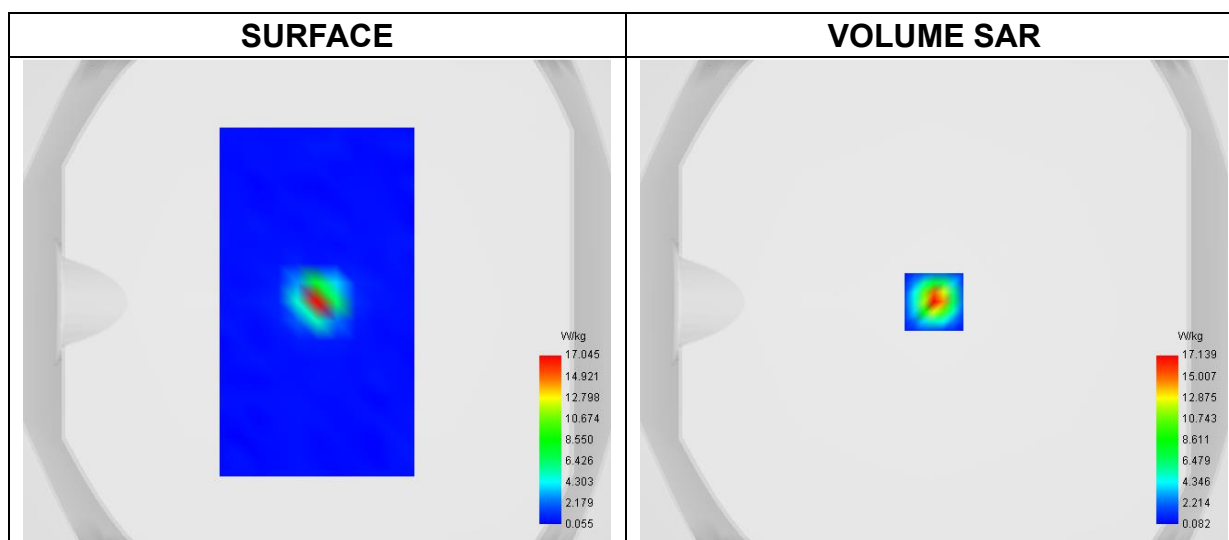
Area scan resolution: dx=8mm, dy=8mm

Zoom scan resolution: dx=4mm, dy=4mm, dz=2mm

Date of measurement: 2025-09-16

Experimental conditions.

Phantom	Validation plane
Device Position	Dipole
Band	CW5400
Channels	Middle
Signal	CW
Frequency (MHz)	5400.000
Relative permittivity	35.88
Conductivity (S/m)	4.81
Probe	2225-EPGO-450
ConvF	1.60
Crest factor:	1:1

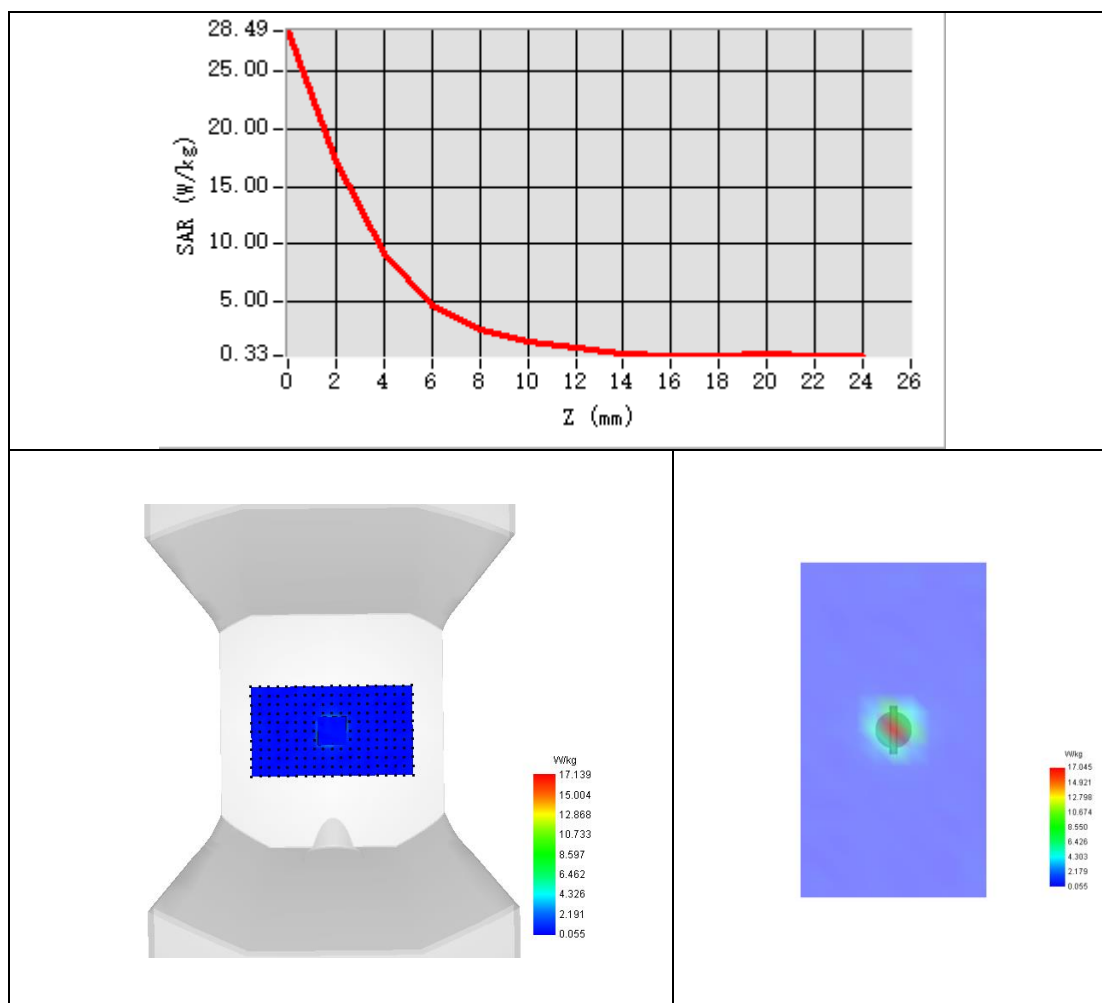


Maximum location: X=0.00, Y=0.00 ; SAR Peak: 27.61 W/kg

SAR 10g (W/Kg)	2.248
SAR 1g (W/Kg)	7.651



Z Axis Scan





System Performance Check Data (5600MHz)

Type: Phone measurement (Complete)

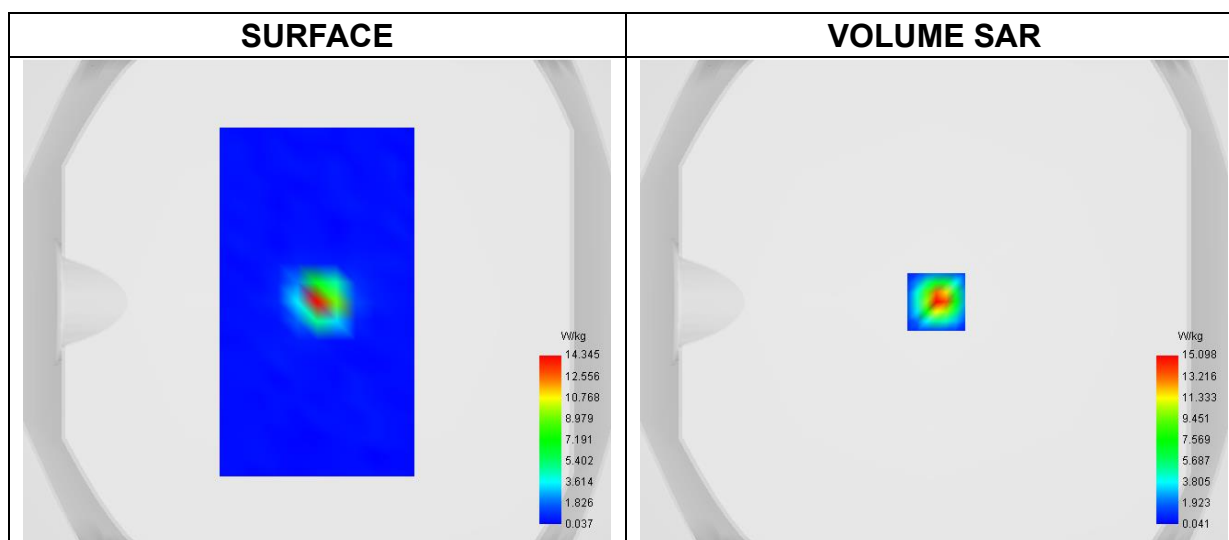
Area scan resolution: dx=8mm, dy=8mm

Zoom scan resolution: dx=4mm, dy=4mm, dz=2mm

Date of measurement: 2025-09-15

Experimental conditions.

Phantom	Validation plane
Device Position	Dipole
Band	CW5600
Channels	Middle
Signal	CW
Frequency (MHz)	5600.000
Relative permittivity	36.09
Conductivity (S/m)	5.09
Probe	2225-EPGO-450
ConvF	1.63
Crest factor:	1:1

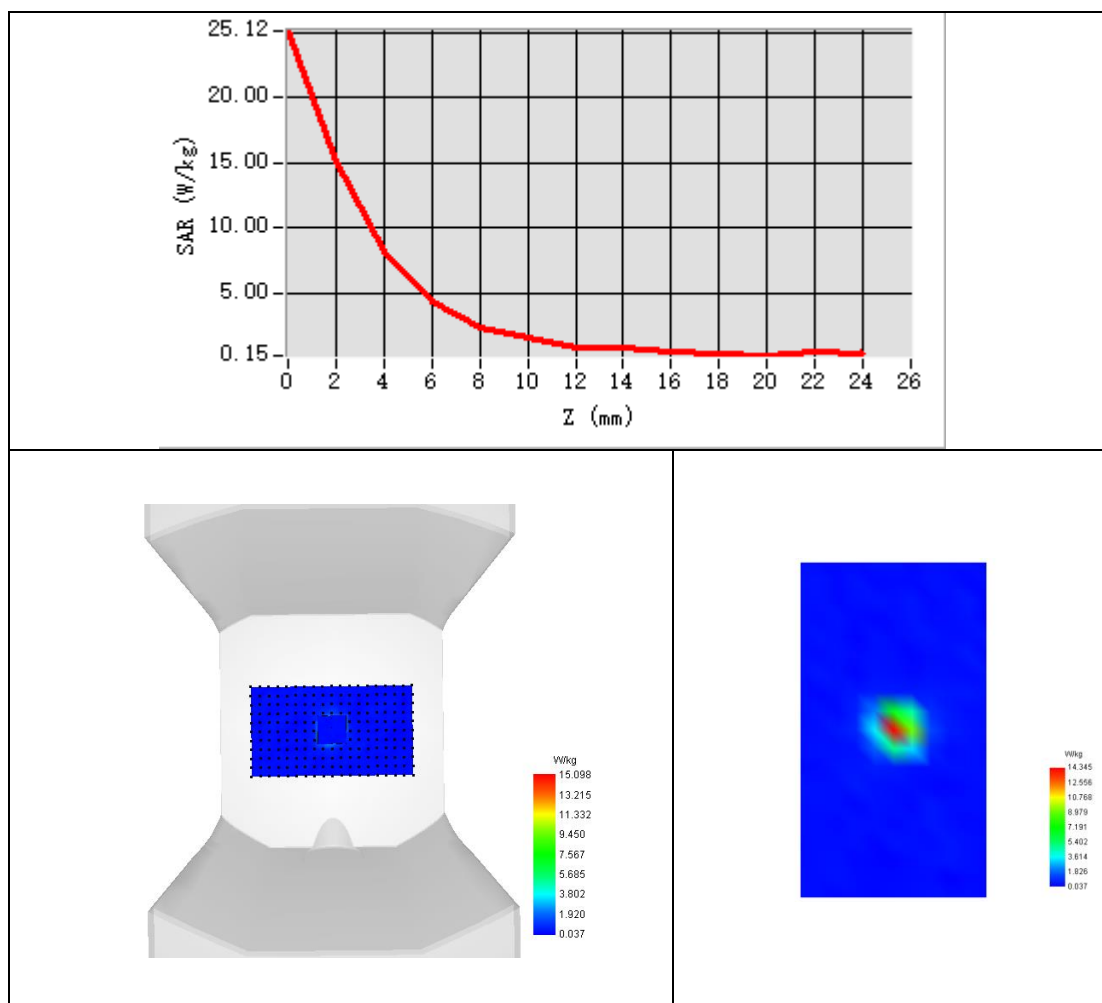


Maximum location: X=-1.00, Y=1.00 ; SAR Peak: 26.03 W/kg

SAR 10g (W/Kg)	2.389
SAR 1g (W/Kg)	8.243



Z Axis Scan





System Performance Check Data (5800MHz)

Type: Phone measurement (Complete)

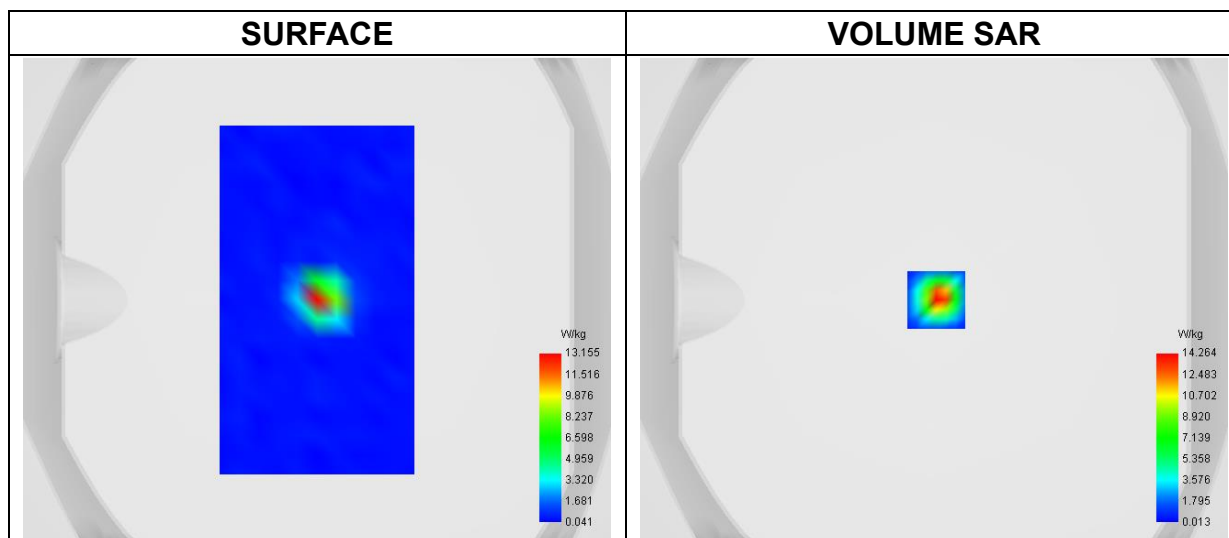
Area scan resolution: dx=8mm, dy=8mm

Zoom scan resolution: dx=4mm, dy=4mm, dz=2mm

Date of measurement: 2025-09-14

Experimental conditions.

Phantom	Validation plane
Device Position	Dipole
Band	CW5800
Channels	Middle
Signal	CW
Frequency (MHz)	5800.000
Relative permittivity	36.32
Conductivity (S/m)	5.25
Probe	2225-EPGO-450
ConvF	1.62
Crest factor:	1:1

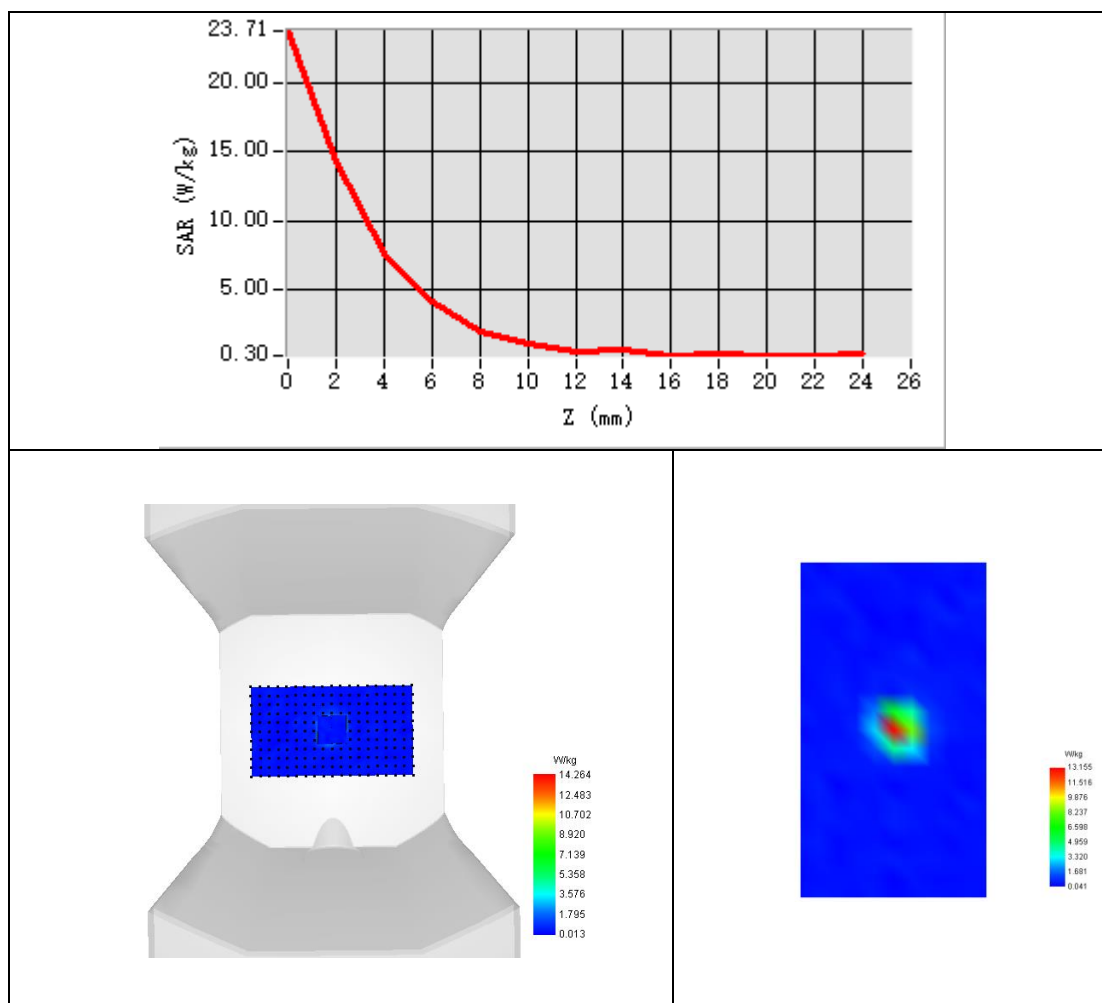


Maximum location: X=3.00, Y=2.00 ; SAR Peak: 25.96 W/kg

SAR 10g (W/Kg)	2.340
SAR 1g (W/Kg)	8.042



Z Axis Scan





Appendix B. SAR Test Plots

Plot 1:

Test Date	2025-09-02
Area Scan	dx=8mm dy=8mm
Zoom Scan	5x5x7, dx=8mm dy=8mm dz=5mm
Phantom	Left head
Device Position	Cheek
Band	GPRS850
Signal	TDMA (GPRS)
Frequency	836.6
SAR 10g (W/Kg)	0.097
SAR 1g (W/Kg)	0.178
ConvF	1.02
Relative permittivity	42.14
Conductivity (S/m)	0.88

Maximum location: X=-32.00, Y=-23.00 ; SAR Peak: 0.42 W/kg

