



n78(3700-3800)	30	15	650000	1@1	DFT_BPSK	22.67
n78(3700-3800)	30	15	650000	1@36	DFT_BPSK	22.73
n78(3700-3800)	30	15	650000	36@0	DFT_QPSK	21.67
n78(3700-3800)	30	15	650000	18@9	DFT_QPSK	22.74
n78(3700-3800)	30	15	650000	1@1	DFT_QPSK	22.66
n78(3700-3800)	30	15	650000	1@36	DFT_QPSK	22.77
n78(3700-3800)	30	15	650000	36@0	DFT_16QAM	20.69
n78(3700-3800)	30	15	650000	18@9	DFT_16QAM	21.66
n78(3700-3800)	30	15	650000	1@1	DFT_16QAM	21.35
n78(3700-3800)	30	15	650000	1@36	DFT_16QAM	21.53
n78(3700-3800)	30	15	650000	36@0	DFT_64QAM	20.2
n78(3700-3800)	30	15	650000	18@9	DFT_64QAM	20.31
n78(3700-3800)	30	15	650000	1@1	DFT_64QAM	20.09
n78(3700-3800)	30	15	650000	1@36	DFT_64QAM	20.26
n78(3700-3800)	30	15	650000	36@0	DFT_256QAM	18.15
n78(3700-3800)	30	15	650000	18@9	DFT_256QAM	18.19
n78(3700-3800)	30	15	650000	1@1	DFT_256QAM	18.1
n78(3700-3800)	30	15	650000	1@36	DFT_256QAM	18.23
n78(3700-3800)	30	15	650000	38@0	CP_QPSK	19.64
n78(3700-3800)	30	15	650000	19@9	CP_QPSK	21.18
n78(3700-3800)	30	15	650000	1@1	CP_QPSK	21.12
n78(3700-3800)	30	15	650000	1@36	CP_QPSK	21.26
n78(3700-3800)	30	15	652832	36@0	DFT_BPSK	22.22
n78(3700-3800)	30	15	652832	18@9	DFT_BPSK	22.82
n78(3700-3800)	30	15	652832	1@1	DFT_BPSK	22.63
n78(3700-3800)	30	15	652832	1@36	DFT_BPSK	22.71
n78(3700-3800)	30	15	652832	36@0	DFT_QPSK	21.75
n78(3700-3800)	30	15	652832	18@9	DFT_QPSK	22.72
n78(3700-3800)	30	15	652832	1@1	DFT_QPSK	22.66
n78(3700-3800)	30	15	652832	1@36	DFT_QPSK	22.77
n78(3700-3800)	30	15	652832	36@0	DFT_16QAM	20.75
n78(3700-3800)	30	15	652832	18@9	DFT_16QAM	21.75
n78(3700-3800)	30	15	652832	1@1	DFT_16QAM	21.4



n78(3700-3800)	30	15	652832	1@36	DFT_16QAM	21.49
n78(3700-3800)	30	15	652832	36@0	DFT_64QAM	20.2
n78(3700-3800)	30	15	652832	18@9	DFT_64QAM	20.34
n78(3700-3800)	30	15	652832	1@1	DFT_64QAM	20.16
n78(3700-3800)	30	15	652832	1@36	DFT_64QAM	20.26
n78(3700-3800)	30	15	652832	36@0	DFT_256QAM	18.21
n78(3700-3800)	30	15	652832	18@9	DFT_256QAM	18.23
n78(3700-3800)	30	15	652832	1@1	DFT_256QAM	18.1
n78(3700-3800)	30	15	652832	1@36	DFT_256QAM	18.26
n78(3700-3800)	30	15	652832	38@0	CP_QPSK	19.66
n78(3700-3800)	30	15	652832	19@9	CP_QPSK	21.18
n78(3700-3800)	30	15	652832	1@1	CP_QPSK	21.12
n78(3700-3800)	30	15	652832	1@36	CP_QPSK	21.22
n78(3700-3800)	30	20	647334	50@0	DFT_BPSK	21.84
n78(3700-3800)	30	20	647334	25@12	DFT_BPSK	22.5
n78(3700-3800)	30	20	647334	1@1	DFT_BPSK	22.31
n78(3700-3800)	30	20	647334	1@49	DFT_BPSK	22.28
n78(3700-3800)	30	20	647334	50@0	DFT_QPSK	21.33
n78(3700-3800)	30	20	647334	25@12	DFT_QPSK	22.33
n78(3700-3800)	30	20	647334	1@1	DFT_QPSK	22.43
n78(3700-3800)	30	20	647334	1@49	DFT_QPSK	22.36
n78(3700-3800)	30	20	647334	50@0	DFT_16QAM	20.29
n78(3700-3800)	30	20	647334	25@12	DFT_16QAM	21.31
n78(3700-3800)	30	20	647334	1@1	DFT_16QAM	21.13
n78(3700-3800)	30	20	647334	1@49	DFT_16QAM	21.08
n78(3700-3800)	30	20	647334	50@0	DFT_64QAM	19.79
n78(3700-3800)	30	20	647334	25@12	DFT_64QAM	19.86
n78(3700-3800)	30	20	647334	1@1	DFT_64QAM	19.87
n78(3700-3800)	30	20	647334	1@49	DFT_64QAM	19.84
n78(3700-3800)	30	20	647334	50@0	DFT_256QAM	17.8
n78(3700-3800)	30	20	647334	25@12	DFT_256QAM	17.86
n78(3700-3800)	30	20	647334	1@1	DFT_256QAM	17.82
n78(3700-3800)	30	20	647334	1@49	DFT_256QAM	17.8



n78(3700-3800)	30	20	647334	51@0	CP_QPSK	19.33
n78(3700-3800)	30	20	647334	25@12	CP_QPSK	20.82
n78(3700-3800)	30	20	647334	1@1	CP_QPSK	20.82
n78(3700-3800)	30	20	647334	1@49	CP_QPSK	20.8
n78(3700-3800)	30	20	650000	50@0	DFT_BPSK	22.2
n78(3700-3800)	30	20	650000	25@12	DFT_BPSK	22.73
n78(3700-3800)	30	20	650000	1@1	DFT_BPSK	22.62
n78(3700-3800)	30	20	650000	1@49	DFT_BPSK	22.81
n78(3700-3800)	30	20	650000	50@0	DFT_QPSK	21.72
n78(3700-3800)	30	20	650000	25@12	DFT_QPSK	22.81
n78(3700-3800)	30	20	650000	1@1	DFT_QPSK	22.62
n78(3700-3800)	30	20	650000	1@49	DFT_QPSK	22.76
n78(3700-3800)	30	20	650000	50@0	DFT_16QAM	20.64
n78(3700-3800)	30	20	650000	25@12	DFT_16QAM	21.66
n78(3700-3800)	30	20	650000	1@1	DFT_16QAM	21.41
n78(3700-3800)	30	20	650000	1@49	DFT_16QAM	21.58
n78(3700-3800)	30	20	650000	50@0	DFT_64QAM	20.12
n78(3700-3800)	30	20	650000	25@12	DFT_64QAM	20.18
n78(3700-3800)	30	20	650000	1@1	DFT_64QAM	20.1
n78(3700-3800)	30	20	650000	1@49	DFT_64QAM	20.29
n78(3700-3800)	30	20	650000	50@0	DFT_256QAM	18.15
n78(3700-3800)	30	20	650000	25@12	DFT_256QAM	18.15
n78(3700-3800)	30	20	650000	1@1	DFT_256QAM	18.08
n78(3700-3800)	30	20	650000	1@49	DFT_256QAM	18.28
n78(3700-3800)	30	20	650000	51@0	CP_QPSK	19.66
n78(3700-3800)	30	20	650000	25@12	CP_QPSK	21.17
n78(3700-3800)	30	20	650000	1@1	CP_QPSK	21.13
n78(3700-3800)	30	20	650000	1@49	CP_QPSK	21.26
n78(3700-3800)	30	20	652666	50@0	DFT_BPSK	22.28
n78(3700-3800)	30	20	652666	25@12	DFT_BPSK	22.8
n78(3700-3800)	30	20	652666	1@1	DFT_BPSK	22.62
n78(3700-3800)	30	20	652666	1@49	DFT_BPSK	22.77
n78(3700-3800)	30	20	652666	50@0	DFT_QPSK	21.77



n78(3700-3800)	30	20	652666	25@12	DFT_QPSK	22.83
n78(3700-3800)	30	20	652666	1@1	DFT_QPSK	22.68
n78(3700-3800)	30	20	652666	1@49	DFT_QPSK	22.79
n78(3700-3800)	30	20	652666	50@0	DFT_16QAM	20.69
n78(3700-3800)	30	20	652666	25@12	DFT_16QAM	21.75
n78(3700-3800)	30	20	652666	1@1	DFT_16QAM	21.42
n78(3700-3800)	30	20	652666	1@49	DFT_16QAM	21.58
n78(3700-3800)	30	20	652666	50@0	DFT_64QAM	20.23
n78(3700-3800)	30	20	652666	25@12	DFT_64QAM	20.25
n78(3700-3800)	30	20	652666	1@1	DFT_64QAM	20.13
n78(3700-3800)	30	20	652666	1@49	DFT_64QAM	20.32
n78(3700-3800)	30	20	652666	50@0	DFT_256QAM	18.2
n78(3700-3800)	30	20	652666	25@12	DFT_256QAM	18.24
n78(3700-3800)	30	20	652666	1@1	DFT_256QAM	18.15
n78(3700-3800)	30	20	652666	1@49	DFT_256QAM	18.28
n78(3700-3800)	30	20	652666	51@0	CP_QPSK	19.73
n78(3700-3800)	30	20	652666	25@12	CP_QPSK	21.24
n78(3700-3800)	30	20	652666	1@1	CP_QPSK	21.13
n78(3700-3800)	30	20	652666	1@49	CP_QPSK	21.28
n78(3700-3800)	30	40	648000	100@0	DFT_BPSK	21.93
n78(3700-3800)	30	40	648000	50@25	DFT_BPSK	22.36
n78(3700-3800)	30	40	648000	1@1	DFT_BPSK	22.3
n78(3700-3800)	30	40	648000	1@104	DFT_BPSK	22.52
n78(3700-3800)	30	40	648000	100@0	DFT_QPSK	21.42
n78(3700-3800)	30	40	648000	50@25	DFT_QPSK	22.34
n78(3700-3800)	30	40	648000	1@1	DFT_QPSK	22.32
n78(3700-3800)	30	40	648000	1@104	DFT_QPSK	22.53
n78(3700-3800)	30	40	648000	100@0	DFT_16QAM	20.42
n78(3700-3800)	30	40	648000	50@25	DFT_16QAM	21.32
n78(3700-3800)	30	40	648000	1@1	DFT_16QAM	21.16
n78(3700-3800)	30	40	648000	1@104	DFT_16QAM	21.38
n78(3700-3800)	30	40	648000	100@0	DFT_64QAM	19.9
n78(3700-3800)	30	40	648000	50@25	DFT_64QAM	19.86



n78(3700-3800)	30	40	648000	1@1	DFT_64QAM	19.87
n78(3700-3800)	30	40	648000	1@104	DFT_64QAM	20.06
n78(3700-3800)	30	40	648000	100@0	DFT_256QAM	17.92
n78(3700-3800)	30	40	648000	50@25	DFT_256QAM	17.84
n78(3700-3800)	30	40	648000	1@1	DFT_256QAM	17.87
n78(3700-3800)	30	40	648000	1@104	DFT_256QAM	18.08
n78(3700-3800)	30	40	648000	106@0	CP_QPSK	19.42
n78(3700-3800)	30	40	648000	53@26	CP_QPSK	20.87
n78(3700-3800)	30	40	648000	1@1	CP_QPSK	20.87
n78(3700-3800)	30	40	648000	1@104	CP_QPSK	21.07
n78(3700-3800)	30	40	650000	100@0	DFT_BPSK	22.25
n78(3700-3800)	30	40	650000	50@25	DFT_BPSK	22.74
n78(3700-3800)	30	40	650000	1@1	DFT_BPSK	22.44
n78(3700-3800)	30	40	650000	1@104	DFT_BPSK	22.9
n78(3700-3800)	30	40	650000	100@0	DFT_QPSK	21.76
n78(3700-3800)	30	40	650000	50@25	DFT_QPSK	22.71
n78(3700-3800)	30	40	650000	1@1	DFT_QPSK	22.53
n78(3700-3800)	30	40	650000	1@104	DFT_QPSK	22.96
n78(3700-3800)	30	40	650000	100@0	DFT_16QAM	20.73
n78(3700-3800)	30	40	650000	50@25	DFT_16QAM	21.73
n78(3700-3800)	30	40	650000	1@1	DFT_16QAM	21.44
n78(3700-3800)	30	40	650000	1@104	DFT_16QAM	21.93
n78(3700-3800)	30	40	650000	100@0	DFT_64QAM	20.26
n78(3700-3800)	30	40	650000	50@25	DFT_64QAM	20.23
n78(3700-3800)	30	40	650000	1@1	DFT_64QAM	20.04
n78(3700-3800)	30	40	650000	1@104	DFT_64QAM	20.47
n78(3700-3800)	30	40	650000	100@0	DFT_256QAM	18.24
n78(3700-3800)	30	40	650000	50@25	DFT_256QAM	18.2
n78(3700-3800)	30	40	650000	1@1	DFT_256QAM	17.99
n78(3700-3800)	30	40	650000	1@104	DFT_256QAM	18.43
n78(3700-3800)	30	40	650000	106@0	CP_QPSK	19.73
n78(3700-3800)	30	40	650000	53@26	CP_QPSK	21.21
n78(3700-3800)	30	40	650000	1@1	CP_QPSK	21



n78(3700-3800)	30	40	650000	1@104	CP_QPSK	21.45
n78(3700-3800)	30	40	652000	100@0	DFT_BPSK	22.38
n78(3700-3800)	30	40	652000	50@25	DFT_BPSK	22.87
n78(3700-3800)	30	40	652000	1@1	DFT_BPSK	22.61
n78(3700-3800)	30	40	652000	1@104	DFT_BPSK	22.89
n78(3700-3800)	30	40	652000	100@0	DFT_QPSK	21.88
n78(3700-3800)	30	40	652000	50@25	DFT_QPSK	22.8
n78(3700-3800)	30	40	652000	1@1	DFT_QPSK	22.64
n78(3700-3800)	30	40	652000	1@104	DFT_QPSK	22.96
n78(3700-3800)	30	40	652000	100@0	DFT_16QAM	20.84
n78(3700-3800)	30	40	652000	50@25	DFT_16QAM	21.83
n78(3700-3800)	30	40	652000	1@1	DFT_16QAM	21.38
n78(3700-3800)	30	40	652000	1@104	DFT_16QAM	21.77
n78(3700-3800)	30	40	652000	100@0	DFT_64QAM	20.35
n78(3700-3800)	30	40	652000	50@25	DFT_64QAM	20.36
n78(3700-3800)	30	40	652000	1@1	DFT_64QAM	20.1
n78(3700-3800)	30	40	652000	1@104	DFT_64QAM	20.5
n78(3700-3800)	30	40	652000	100@0	DFT_256QAM	18.35
n78(3700-3800)	30	40	652000	50@25	DFT_256QAM	18.36
n78(3700-3800)	30	40	652000	1@1	DFT_256QAM	18.09
n78(3700-3800)	30	40	652000	1@104	DFT_256QAM	18.47
n78(3700-3800)	30	40	652000	106@0	CP_QPSK	19.83
n78(3700-3800)	30	40	652000	53@26	CP_QPSK	21.35
n78(3700-3800)	30	40	652000	1@1	CP_QPSK	21.11
n78(3700-3800)	30	40	652000	1@104	CP_QPSK	21.47
n78(3700-3800)	30	50	648334	128@0	DFT_BPSK	22.01
n78(3700-3800)	30	50	648334	64@32	DFT_BPSK	22.44
n78(3700-3800)	30	50	648334	1@1	DFT_BPSK	22.25
n78(3700-3800)	30	50	648334	1@131	DFT_BPSK	22.6
n78(3700-3800)	30	50	648334	128@0	DFT_QPSK	21.48
n78(3700-3800)	30	50	648334	64@32	DFT_QPSK	22.42
n78(3700-3800)	30	50	648334	1@1	DFT_QPSK	22.32
n78(3700-3800)	30	50	648334	1@131	DFT_QPSK	22.66



n78(3700-3800)	30	50	648334	128@0	DFT_16QAM	20.49
n78(3700-3800)	30	50	648334	64@32	DFT_16QAM	21.37
n78(3700-3800)	30	50	648334	1@1	DFT_16QAM	21.08
n78(3700-3800)	30	50	648334	1@131	DFT_16QAM	21.44
n78(3700-3800)	30	50	648334	128@0	DFT_64QAM	20
n78(3700-3800)	30	50	648334	64@32	DFT_64QAM	19.94
n78(3700-3800)	30	50	648334	1@1	DFT_64QAM	19.77
n78(3700-3800)	30	50	648334	1@131	DFT_64QAM	20.13
n78(3700-3800)	30	50	648334	128@0	DFT_256QAM	18.01
n78(3700-3800)	30	50	648334	64@32	DFT_256QAM	17.93
n78(3700-3800)	30	50	648334	1@1	DFT_256QAM	17.78
n78(3700-3800)	30	50	648334	1@131	DFT_256QAM	18.13
n78(3700-3800)	30	50	648334	133@0	CP_QPSK	19.45
n78(3700-3800)	30	50	648334	67@33	CP_QPSK	20.92
n78(3700-3800)	30	50	648334	1@1	CP_QPSK	20.77
n78(3700-3800)	30	50	648334	1@131	CP_QPSK	21.13
n78(3700-3800)	30	50	650000	128@0	DFT_BPSK	22.29
n78(3700-3800)	30	50	650000	64@32	DFT_BPSK	22.77
n78(3700-3800)	30	50	650000	1@1	DFT_BPSK	22.39
n78(3700-3800)	30	50	650000	1@131	DFT_BPSK	23.03
n78(3700-3800)	30	50	650000	128@0	DFT_QPSK	21.75
n78(3700-3800)	30	50	650000	64@32	DFT_QPSK	22.77
n78(3700-3800)	30	50	650000	1@1	DFT_QPSK	22.44
n78(3700-3800)	30	50	650000	1@131	DFT_QPSK	23.04
n78(3700-3800)	30	50	650000	128@0	DFT_16QAM	20.8
n78(3700-3800)	30	50	650000	64@32	DFT_16QAM	21.69
n78(3700-3800)	30	50	650000	1@1	DFT_16QAM	21.15
n78(3700-3800)	30	50	650000	1@131	DFT_16QAM	21.79
n78(3700-3800)	30	50	650000	128@0	DFT_64QAM	20.25
n78(3700-3800)	30	50	650000	64@32	DFT_64QAM	20.24
n78(3700-3800)	30	50	650000	1@1	DFT_64QAM	19.88
n78(3700-3800)	30	50	650000	1@131	DFT_64QAM	20.52
n78(3700-3800)	30	50	650000	128@0	DFT_256QAM	18.29



n78(3700-3800)	30	50	650000	64@32	DFT_256QAM	18.26
n78(3700-3800)	30	50	650000	1@1	DFT_256QAM	17.88
n78(3700-3800)	30	50	650000	1@131	DFT_256QAM	18.51
n78(3700-3800)	30	50	650000	133@0	CP_QPSK	19.74
n78(3700-3800)	30	50	650000	67@33	CP_QPSK	21.25
n78(3700-3800)	30	50	650000	1@1	CP_QPSK	20.91
n78(3700-3800)	30	50	650000	1@131	CP_QPSK	21.52
n78(3700-3800)	30	50	651666	128@0	DFT_BPSK	22.32
n78(3700-3800)	30	50	651666	64@32	DFT_BPSK	22.84
n78(3700-3800)	30	50	651666	1@1	DFT_BPSK	22.44
n78(3700-3800)	30	50	651666	1@131	DFT_BPSK	22.9
n78(3700-3800)	30	50	651666	128@0	DFT_QPSK	21.84
n78(3700-3800)	30	50	651666	64@32	DFT_QPSK	22.79
n78(3700-3800)	30	50	651666	1@1	DFT_QPSK	22.52
n78(3700-3800)	30	50	651666	1@131	DFT_QPSK	22.91
n78(3700-3800)	30	50	651666	128@0	DFT_16QAM	20.83
n78(3700-3800)	30	50	651666	64@32	DFT_16QAM	21.78
n78(3700-3800)	30	50	651666	1@1	DFT_16QAM	21.27
n78(3700-3800)	30	50	651666	1@131	DFT_16QAM	21.73
n78(3700-3800)	30	50	651666	128@0	DFT_64QAM	20.31
n78(3700-3800)	30	50	651666	64@32	DFT_64QAM	20.33
n78(3700-3800)	30	50	651666	1@1	DFT_64QAM	19.98
n78(3700-3800)	30	50	651666	1@131	DFT_64QAM	20.5
n78(3700-3800)	30	50	651666	128@0	DFT_256QAM	18.32
n78(3700-3800)	30	50	651666	64@32	DFT_256QAM	18.36
n78(3700-3800)	30	50	651666	1@1	DFT_256QAM	17.95
n78(3700-3800)	30	50	651666	1@131	DFT_256QAM	18.47
n78(3700-3800)	30	50	651666	133@0	CP_QPSK	19.77
n78(3700-3800)	30	50	651666	67@33	CP_QPSK	21.31
n78(3700-3800)	30	50	651666	1@1	CP_QPSK	20.95
n78(3700-3800)	30	50	651666	1@131	CP_QPSK	21.47
n78(3700-3800)	30	60	648668	162@0	DFT_BPSK	21.92
n78(3700-3800)	30	60	648668	81@40	DFT_BPSK	22.44



n78(3700-3800)	30	60	648668	1@1	DFT_BPSK	22.23
n78(3700-3800)	30	60	648668	1@160	DFT_BPSK	22.62
n78(3700-3800)	30	60	648668	162@0	DFT_QPSK	21.41
n78(3700-3800)	30	60	648668	81@40	DFT_QPSK	22.37
n78(3700-3800)	30	60	648668	1@1	DFT_QPSK	22.26
n78(3700-3800)	30	60	648668	1@160	DFT_QPSK	22.67
n78(3700-3800)	30	60	648668	162@0	DFT_16QAM	20.43
n78(3700-3800)	30	60	648668	81@40	DFT_16QAM	21.39
n78(3700-3800)	30	60	648668	1@1	DFT_16QAM	21.09
n78(3700-3800)	30	60	648668	1@160	DFT_16QAM	21.46
n78(3700-3800)	30	60	648668	162@0	DFT_64QAM	19.96
n78(3700-3800)	30	60	648668	81@40	DFT_64QAM	19.92
n78(3700-3800)	30	60	648668	1@1	DFT_64QAM	19.91
n78(3700-3800)	30	60	648668	1@160	DFT_64QAM	20.31
n78(3700-3800)	30	60	648668	162@0	DFT_256QAM	17.94
n78(3700-3800)	30	60	648668	81@40	DFT_256QAM	17.89
n78(3700-3800)	30	60	648668	1@1	DFT_256QAM	17.8
n78(3700-3800)	30	60	648668	1@160	DFT_256QAM	18.22
n78(3700-3800)	30	60	648668	162@0	CP_QPSK	19.43
n78(3700-3800)	30	60	648668	81@40	CP_QPSK	20.84
n78(3700-3800)	30	60	648668	1@1	CP_QPSK	20.82
n78(3700-3800)	30	60	648668	1@160	CP_QPSK	21.21
n78(3700-3800)	30	60	650000	162@0	DFT_BPSK	22.2
n78(3700-3800)	30	60	650000	81@40	DFT_BPSK	22.72
n78(3700-3800)	30	60	650000	1@1	DFT_BPSK	22.27
n78(3700-3800)	30	60	650000	1@160	DFT_BPSK	22.99
n78(3700-3800)	30	60	650000	162@0	DFT_QPSK	21.72
n78(3700-3800)	30	60	650000	81@40	DFT_QPSK	22.67
n78(3700-3800)	30	60	650000	1@1	DFT_QPSK	22.36
n78(3700-3800)	30	60	650000	1@160	DFT_QPSK	23.02
n78(3700-3800)	30	60	650000	162@0	DFT_16QAM	20.74
n78(3700-3800)	30	60	650000	81@40	DFT_16QAM	21.68
n78(3700-3800)	30	60	650000	1@1	DFT_16QAM	21.09



n78(3700-3800)	30	60	650000	1@160	DFT_16QAM	21.77
n78(3700-3800)	30	60	650000	162@0	DFT_64QAM	20.24
n78(3700-3800)	30	60	650000	81@40	DFT_64QAM	20.26
n78(3700-3800)	30	60	650000	1@1	DFT_64QAM	19.94
n78(3700-3800)	30	60	650000	1@160	DFT_64QAM	20.62
n78(3700-3800)	30	60	650000	162@0	DFT_256QAM	18.24
n78(3700-3800)	30	60	650000	81@40	DFT_256QAM	18.18
n78(3700-3800)	30	60	650000	1@1	DFT_256QAM	17.85
n78(3700-3800)	30	60	650000	1@160	DFT_256QAM	18.52
n78(3700-3800)	30	60	650000	162@0	CP_QPSK	19.71
n78(3700-3800)	30	60	650000	81@40	CP_QPSK	21.16
n78(3700-3800)	30	60	650000	1@1	CP_QPSK	20.85
n78(3700-3800)	30	60	650000	1@160	CP_QPSK	21.56
n78(3700-3800)	30	60	651332	162@0	DFT_BPSK	22.25
n78(3700-3800)	30	60	651332	81@40	DFT_BPSK	22.79
n78(3700-3800)	30	60	651332	1@1	DFT_BPSK	22.35
n78(3700-3800)	30	60	651332	1@160	DFT_BPSK	22.91
n78(3700-3800)	30	60	651332	162@0	DFT_QPSK	21.76
n78(3700-3800)	30	60	651332	81@40	DFT_QPSK	22.75
n78(3700-3800)	30	60	651332	1@1	DFT_QPSK	22.46
n78(3700-3800)	30	60	651332	1@160	DFT_QPSK	23.01
n78(3700-3800)	30	60	651332	162@0	DFT_16QAM	20.75
n78(3700-3800)	30	60	651332	81@40	DFT_16QAM	21.75
n78(3700-3800)	30	60	651332	1@1	DFT_16QAM	21.24
n78(3700-3800)	30	60	651332	1@160	DFT_16QAM	21.8
n78(3700-3800)	30	60	651332	162@0	DFT_64QAM	20.25
n78(3700-3800)	30	60	651332	81@40	DFT_64QAM	20.31
n78(3700-3800)	30	60	651332	1@1	DFT_64QAM	19.96
n78(3700-3800)	30	60	651332	1@160	DFT_64QAM	20.57
n78(3700-3800)	30	60	651332	162@0	DFT_256QAM	18.24
n78(3700-3800)	30	60	651332	81@40	DFT_256QAM	18.27
n78(3700-3800)	30	60	651332	1@1	DFT_256QAM	17.96
n78(3700-3800)	30	60	651332	1@160	DFT_256QAM	18.56



n78(3700-3800)	30	60	651332	162@0	CP_QPSK	19.72
n78(3700-3800)	30	60	651332	81@40	CP_QPSK	21.19
n78(3700-3800)	30	60	651332	1@1	CP_QPSK	20.92
n78(3700-3800)	30	60	651332	1@160	CP_QPSK	21.47
n78(3700-3800)	30	70	649000	180@0	DFT_BPSK	22.09
n78(3700-3800)	30	70	649000	90@45	DFT_BPSK	22.6
n78(3700-3800)	30	70	649000	1@1	DFT_BPSK	22.38
n78(3700-3800)	30	70	649000	1@187	DFT_BPSK	22.93
n78(3700-3800)	30	70	649000	180@0	DFT_QPSK	21.57
n78(3700-3800)	30	70	649000	90@45	DFT_QPSK	22.62
n78(3700-3800)	30	70	649000	1@1	DFT_QPSK	22.46
n78(3700-3800)	30	70	649000	1@187	DFT_QPSK	22.99
n78(3700-3800)	30	70	649000	180@0	DFT_16QAM	20.57
n78(3700-3800)	30	70	649000	90@45	DFT_16QAM	21.51
n78(3700-3800)	30	70	649000	1@1	DFT_16QAM	21.15
n78(3700-3800)	30	70	649000	1@187	DFT_16QAM	21.63
n78(3700-3800)	30	70	649000	180@0	DFT_64QAM	20.07
n78(3700-3800)	30	70	649000	90@45	DFT_64QAM	20.04
n78(3700-3800)	30	70	649000	1@1	DFT_64QAM	19.97
n78(3700-3800)	30	70	649000	1@187	DFT_64QAM	20.49
n78(3700-3800)	30	70	649000	180@0	DFT_256QAM	18.03
n78(3700-3800)	30	70	649000	90@45	DFT_256QAM	18.07
n78(3700-3800)	30	70	649000	1@1	DFT_256QAM	17.87
n78(3700-3800)	30	70	649000	1@187	DFT_256QAM	18.37
n78(3700-3800)	30	70	649000	189@0	CP_QPSK	19.59
n78(3700-3800)	30	70	649000	95@47	CP_QPSK	21.03
n78(3700-3800)	30	70	649000	1@1	CP_QPSK	20.9
n78(3700-3800)	30	70	649000	1@187	CP_QPSK	21.37
n78(3700-3800)	30	70	650000	180@0	DFT_BPSK	22.21
n78(3700-3800)	30	70	650000	90@45	DFT_BPSK	22.79
n78(3700-3800)	30	70	650000	1@1	DFT_BPSK	22.33
n78(3700-3800)	30	70	650000	1@187	DFT_BPSK	23.03
n78(3700-3800)	30	70	650000	180@0	DFT_QPSK	21.72



n78(3700-3800)	30	70	650000	90@45	DFT_QPSK	22.72
n78(3700-3800)	30	70	650000	1@1	DFT_QPSK	22.42
n78(3700-3800)	30	70	650000	1@187	DFT_QPSK	23.09
n78(3700-3800)	30	70	650000	180@0	DFT_16QAM	20.72
n78(3700-3800)	30	70	650000	90@45	DFT_16QAM	21.69
n78(3700-3800)	30	70	650000	1@1	DFT_16QAM	21.07
n78(3700-3800)	30	70	650000	1@187	DFT_16QAM	21.74
n78(3700-3800)	30	70	650000	180@0	DFT_64QAM	20.21
n78(3700-3800)	30	70	650000	90@45	DFT_64QAM	20.2
n78(3700-3800)	30	70	650000	1@1	DFT_64QAM	19.94
n78(3700-3800)	30	70	650000	1@187	DFT_64QAM	20.63
n78(3700-3800)	30	70	650000	180@0	DFT_256QAM	18.24
n78(3700-3800)	30	70	650000	90@45	DFT_256QAM	18.23
n78(3700-3800)	30	70	650000	1@1	DFT_256QAM	17.81
n78(3700-3800)	30	70	650000	1@187	DFT_256QAM	17.83
n78(3700-3800)	30	70	650000	189@0	CP_QPSK	19.72
n78(3700-3800)	30	70	650000	95@47	CP_QPSK	21.18
n78(3700-3800)	30	70	650000	1@1	CP_QPSK	20.84
n78(3700-3800)	30	70	650000	1@187	CP_QPSK	21.48
n78(3700-3800)	30	70	651000	180@0	DFT_BPSK	21.79
n78(3700-3800)	30	70	651000	90@45	DFT_BPSK	22.89
n78(3700-3800)	30	70	651000	1@1	DFT_BPSK	22.4
n78(3700-3800)	30	70	651000	1@187	DFT_BPSK	23.06
n78(3700-3800)	30	70	651000	180@0	DFT_QPSK	21.77
n78(3700-3800)	30	70	651000	90@45	DFT_QPSK	22.79
n78(3700-3800)	30	70	651000	1@1	DFT_QPSK	22.48
n78(3700-3800)	30	70	651000	1@187	DFT_QPSK	23.14
n78(3700-3800)	30	70	651000	180@0	DFT_16QAM	20.8
n78(3700-3800)	30	70	651000	90@45	DFT_16QAM	21.77
n78(3700-3800)	30	70	651000	1@1	DFT_16QAM	21.1
n78(3700-3800)	30	70	651000	1@187	DFT_16QAM	21.81
n78(3700-3800)	30	70	651000	180@0	DFT_64QAM	20.3
n78(3700-3800)	30	70	651000	90@45	DFT_64QAM	20.27



n78(3700-3800)	30	70	651000	1@1	DFT_64QAM	19.96
n78(3700-3800)	30	70	651000	1@187	DFT_64QAM	20.62
n78(3700-3800)	30	70	651000	180@0	DFT_256QAM	18.31
n78(3700-3800)	30	70	651000	90@45	DFT_256QAM	18.29
n78(3700-3800)	30	70	651000	1@1	DFT_256QAM	17.83
n78(3700-3800)	30	70	651000	1@187	DFT_256QAM	18.54
n78(3700-3800)	30	70	651000	189@0	CP_QPSK	19.78
n78(3700-3800)	30	70	651000	95@47	CP_QPSK	21.27
n78(3700-3800)	30	70	651000	1@1	CP_QPSK	20.87
n78(3700-3800)	30	70	651000	1@187	CP_QPSK	21.58
n78(3700-3800)	30	80	649334	216@0	DFT_BPSK	22.13
n78(3700-3800)	30	80	649334	108@54	DFT_BPSK	22.73
n78(3700-3800)	30	80	649334	1@1	DFT_BPSK	22.41
n78(3700-3800)	30	80	649334	1@215	DFT_BPSK	23.04
n78(3700-3800)	30	80	649334	216@0	DFT_QPSK	21.64
n78(3700-3800)	30	80	649334	108@54	DFT_QPSK	22.67
n78(3700-3800)	30	80	649334	1@1	DFT_QPSK	22.44
n78(3700-3800)	30	80	649334	1@215	DFT_QPSK	23.05
n78(3700-3800)	30	80	649334	216@0	DFT_16QAM	20.64
n78(3700-3800)	30	80	649334	108@54	DFT_16QAM	21.61
n78(3700-3800)	30	80	649334	1@1	DFT_16QAM	21.19
n78(3700-3800)	30	80	649334	1@215	DFT_16QAM	21.76
n78(3700-3800)	30	80	649334	216@0	DFT_64QAM	20.1
n78(3700-3800)	30	80	649334	108@54	DFT_64QAM	20.14
n78(3700-3800)	30	80	649334	1@1	DFT_64QAM	19.96
n78(3700-3800)	30	80	649334	1@215	DFT_64QAM	20.49
n78(3700-3800)	30	80	649334	216@0	DFT_256QAM	18.14
n78(3700-3800)	30	80	649334	108@54	DFT_256QAM	18.13
n78(3700-3800)	30	80	649334	1@1	DFT_256QAM	17.88
n78(3700-3800)	30	80	649334	1@215	DFT_256QAM	18.45
n78(3700-3800)	30	80	649334	217@0	CP_QPSK	19.63
n78(3700-3800)	30	80	649334	109@54	CP_QPSK	21.08
n78(3700-3800)	30	80	649334	1@1	CP_QPSK	20.87



n78(3700-3800)	30	80	649334	1@215	CP_QPSK	21.42
n78(3700-3800)	30	80	650000	216@0	DFT_BPSK	22.21
n78(3700-3800)	30	80	650000	108@54	DFT_BPSK	22.8
n78(3700-3800)	30	80	650000	1@1	DFT_BPSK	22.38
n78(3700-3800)	30	80	650000	1@215	DFT_BPSK	23.1
n78(3700-3800)	30	80	650000	216@0	DFT_QPSK	21.75
n78(3700-3800)	30	80	650000	108@54	DFT_QPSK	22.82
n78(3700-3800)	30	80	650000	1@1	DFT_QPSK	22.51
n78(3700-3800)	30	80	650000	1@215	DFT_QPSK	23.16
n78(3700-3800)	30	80	650000	216@0	DFT_16QAM	20.73
n78(3700-3800)	30	80	650000	108@54	DFT_16QAM	21.72
n78(3700-3800)	30	80	650000	1@1	DFT_16QAM	21.16
n78(3700-3800)	30	80	650000	1@215	DFT_16QAM	21.81
n78(3700-3800)	30	80	650000	216@0	DFT_64QAM	20.25
n78(3700-3800)	30	80	650000	108@54	DFT_64QAM	20.21
n78(3700-3800)	30	80	650000	1@1	DFT_64QAM	19.88
n78(3700-3800)	30	80	650000	1@215	DFT_64QAM	20.61
n78(3700-3800)	30	80	650000	216@0	DFT_256QAM	18.24
n78(3700-3800)	30	80	650000	108@54	DFT_256QAM	18.27
n78(3700-3800)	30	80	650000	1@1	DFT_256QAM	17.82
n78(3700-3800)	30	80	650000	1@215	DFT_256QAM	18.53
n78(3700-3800)	30	80	650000	217@0	CP_QPSK	19.68
n78(3700-3800)	30	80	650000	109@54	CP_QPSK	21.18
n78(3700-3800)	30	80	650000	1@1	CP_QPSK	20.85
n78(3700-3800)	30	80	650000	1@215	CP_QPSK	21.49
n78(3700-3800)	30	80	650666	216@0	DFT_BPSK	22.26
n78(3700-3800)	30	80	650666	108@54	DFT_BPSK	22.86
n78(3700-3800)	30	80	650666	1@1	DFT_BPSK	22.38
n78(3700-3800)	30	80	650666	1@215	DFT_BPSK	23.09
n78(3700-3800)	30	80	650666	216@0	DFT_QPSK	21.77
n78(3700-3800)	30	80	650666	108@54	DFT_QPSK	22.83
n78(3700-3800)	30	80	650666	1@1	DFT_QPSK	22.43
n78(3700-3800)	30	80	650666	1@215	DFT_QPSK	23.14



n78(3700-3800)	30	80	650666	216@0	DFT_16QAM	20.73
n78(3700-3800)	30	80	650666	108@54	DFT_16QAM	21.72
n78(3700-3800)	30	80	650666	1@1	DFT_16QAM	21.02
n78(3700-3800)	30	80	650666	1@215	DFT_16QAM	21.81
n78(3700-3800)	30	80	650666	216@0	DFT_64QAM	20.28
n78(3700-3800)	30	80	650666	108@54	DFT_64QAM	20.27
n78(3700-3800)	30	80	650666	1@1	DFT_64QAM	19.86
n78(3700-3800)	30	80	650666	1@215	DFT_64QAM	20.65
n78(3700-3800)	30	80	650666	216@0	DFT_256QAM	18.27
n78(3700-3800)	30	80	650666	108@54	DFT_256QAM	18.3
n78(3700-3800)	30	80	650666	1@1	DFT_256QAM	17.75
n78(3700-3800)	30	80	650666	1@215	DFT_256QAM	18.54
n78(3700-3800)	30	80	650666	217@0	CP_QPSK	19.72
n78(3700-3800)	30	80	650666	109@54	CP_QPSK	21.18
n78(3700-3800)	30	80	650666	1@1	CP_QPSK	20.75
n78(3700-3800)	30	80	650666	1@215	CP_QPSK	21.5
n78(3700-3800)	30	90	649668	243@0	DFT_BPSK	22.24
n78(3700-3800)	30	90	649668	120@60	DFT_BPSK	22.79
n78(3700-3800)	30	90	649668	1@1	DFT_BPSK	22.44
n78(3700-3800)	30	90	649668	1@243	DFT_BPSK	23.14
n78(3700-3800)	30	90	649668	243@0	DFT_QPSK	21.71
n78(3700-3800)	30	90	649668	120@60	DFT_QPSK	22.72
n78(3700-3800)	30	90	649668	1@1	DFT_QPSK	22.44
n78(3700-3800)	30	90	649668	1@243	DFT_QPSK	23.16
n78(3700-3800)	30	90	649668	243@0	DFT_16QAM	20.72
n78(3700-3800)	30	90	649668	120@60	DFT_16QAM	21.68
n78(3700-3800)	30	90	649668	1@1	DFT_16QAM	21.22
n78(3700-3800)	30	90	649668	1@243	DFT_16QAM	21.82
n78(3700-3800)	30	90	649668	243@0	DFT_64QAM	20.24
n78(3700-3800)	30	90	649668	120@60	DFT_64QAM	20.2
n78(3700-3800)	30	90	649668	1@1	DFT_64QAM	19.92
n78(3700-3800)	30	90	649668	1@243	DFT_64QAM	20.56
n78(3700-3800)	30	90	649668	243@0	DFT_256QAM	18.23



n78(3700-3800)	30	90	649668	120@60	DFT_256QAM	18.19
n78(3700-3800)	30	90	649668	1@1	DFT_256QAM	17.86
n78(3700-3800)	30	90	649668	1@243	DFT_256QAM	18.53
n78(3700-3800)	30	90	649668	245@0	CP_QPSK	19.71
n78(3700-3800)	30	90	649668	123@61	CP_QPSK	21.14
n78(3700-3800)	30	90	649668	1@1	CP_QPSK	20.88
n78(3700-3800)	30	90	649668	1@243	CP_QPSK	21.52
n78(3700-3800)	30	90	650000	243@0	DFT_BPSK	22.23
n78(3700-3800)	30	90	650000	120@60	DFT_BPSK	22.79
n78(3700-3800)	30	90	650000	1@1	DFT_BPSK	22.41
n78(3700-3800)	30	90	650000	1@243	DFT_BPSK	23.11
n78(3700-3800)	30	90	650000	243@0	DFT_QPSK	21.74
n78(3700-3800)	30	90	650000	120@60	DFT_QPSK	22.78
n78(3700-3800)	30	90	650000	1@1	DFT_QPSK	22.44
n78(3700-3800)	30	90	650000	1@243	DFT_QPSK	23.15
n78(3700-3800)	30	90	650000	243@0	DFT_16QAM	20.73
n78(3700-3800)	30	90	650000	120@60	DFT_16QAM	21.72
n78(3700-3800)	30	90	650000	1@1	DFT_16QAM	21.11
n78(3700-3800)	30	90	650000	1@243	DFT_16QAM	21.85
n78(3700-3800)	30	90	650000	243@0	DFT_64QAM	20.24
n78(3700-3800)	30	90	650000	120@60	DFT_64QAM	20.21
n78(3700-3800)	30	90	650000	1@1	DFT_64QAM	19.84
n78(3700-3800)	30	90	650000	1@243	DFT_64QAM	20.54
n78(3700-3800)	30	90	650000	243@0	DFT_256QAM	18.27
n78(3700-3800)	30	90	650000	120@60	DFT_256QAM	18.23
n78(3700-3800)	30	90	650000	1@1	DFT_256QAM	17.81
n78(3700-3800)	30	90	650000	1@243	DFT_256QAM	18.53
n78(3700-3800)	30	90	650000	245@0	CP_QPSK	19.7
n78(3700-3800)	30	90	650000	123@61	CP_QPSK	21.17
n78(3700-3800)	30	90	650000	1@1	CP_QPSK	20.84
n78(3700-3800)	30	90	650000	1@243	CP_QPSK	21.53
n78(3700-3800)	30	90	650332	243@0	DFT_BPSK	22.21
n78(3700-3800)	30	90	650332	120@60	DFT_BPSK	22.81



n78(3700-3800)	30	90	650332	1@1	DFT_BPSK	22.38
n78(3700-3800)	30	90	650332	1@243	DFT_BPSK	23.06
n78(3700-3800)	30	90	650332	243@0	DFT_QPSK	21.7
n78(3700-3800)	30	90	650332	120@60	DFT_QPSK	22.81
n78(3700-3800)	30	90	650332	1@1	DFT_QPSK	22.46
n78(3700-3800)	30	90	650332	1@243	DFT_QPSK	23.14
n78(3700-3800)	30	90	650332	243@0	DFT_16QAM	20.68
n78(3700-3800)	30	90	650332	120@60	DFT_16QAM	21.73
n78(3700-3800)	30	90	650332	1@1	DFT_16QAM	21.08
n78(3700-3800)	30	90	650332	1@243	DFT_16QAM	21.79
n78(3700-3800)	30	90	650332	243@0	DFT_64QAM	20.19
n78(3700-3800)	30	90	650332	120@60	DFT_64QAM	20.24
n78(3700-3800)	30	90	650332	1@1	DFT_64QAM	19.86
n78(3700-3800)	30	90	650332	1@243	DFT_64QAM	20.61
n78(3700-3800)	30	90	650332	243@0	DFT_256QAM	18.23
n78(3700-3800)	30	90	650332	120@60	DFT_256QAM	18.25
n78(3700-3800)	30	90	650332	1@1	DFT_256QAM	17.79
n78(3700-3800)	30	90	650332	1@243	DFT_256QAM	18.53
n78(3700-3800)	30	90	650332	245@0	CP_QPSK	19.65
n78(3700-3800)	30	90	650332	123@61	CP_QPSK	21.19
n78(3700-3800)	30	90	650332	1@1	CP_QPSK	20.78
n78(3700-3800)	30	90	650332	1@243	CP_QPSK	21.62
n78(3700-3800)	30	100	650000	270@0	DFT_BPSK	22.22
n78(3700-3800)	30	100	650000	135@67	DFT_BPSK	22.84
n78(3700-3800)	30	100	650000	1@1	DFT_BPSK	22.48
n78(3700-3800)	30	100	650000	1@271	DFT_BPSK	23.19
n78(3700-3800)	30	100	650000	270@0	DFT_QPSK	21.69
n78(3700-3800)	30	100	650000	135@67	DFT_QPSK	22.76
n78(3700-3800)	30	100	650000	1@1	DFT_QPSK	22.46
n78(3700-3800)	30	100	650000	1@271	DFT_QPSK	23.24
n78(3700-3800)	30	100	650000	270@0	DFT_16QAM	20.7
n78(3700-3800)	30	100	650000	135@67	DFT_16QAM	21.72
n78(3700-3800)	30	100	650000	1@1	DFT_16QAM	21.17



n78(3700-3800)	30	100	650000	1@271	DFT_16QAM	21.88
n78(3700-3800)	30	100	650000	270@0	DFT_64QAM	20.24
n78(3700-3800)	30	100	650000	135@67	DFT_64QAM	20.24
n78(3700-3800)	30	100	650000	1@1	DFT_64QAM	19.9
n78(3700-3800)	30	100	650000	1@271	DFT_64QAM	20.64
n78(3700-3800)	30	100	650000	270@0	DFT_256QAM	18.23
n78(3700-3800)	30	100	650000	135@67	DFT_256QAM	18.26
n78(3700-3800)	30	100	650000	1@1	DFT_256QAM	17.91
n78(3700-3800)	30	100	650000	1@271	DFT_256QAM	18.61
n78(3700-3800)	30	100	650000	273@0	CP_QPSK	19.73
n78(3700-3800)	30	100	650000	137@68	CP_QPSK	21.15
n78(3700-3800)	30	100	650000	1@1	CP_QPSK	20.91
n78(3700-3800)	30	100	650000	1@271	CP_QPSK	21.6



NSA

Band	SCS (kHz)	Bandwidth (MHz)	UL Channel	RB Allocation	Modulation	Power (dBm)
DC_5A_n41A	30	10	500202	24@0	DFT_BPSK	17.94
DC_5A_n41A	30	10	500202	12@6	DFT_BPSK	18.42
DC_5A_n41A	30	10	500202	1@1	DFT_BPSK	18.43
DC_5A_n41A	30	10	500202	1@22	DFT_BPSK	18.32
DC_5A_n41A	30	10	500202	24@0	DFT_QPSK	17.43
DC_5A_n41A	30	10	500202	12@6	DFT_QPSK	18.5
DC_5A_n41A	30	10	500202	1@1	DFT_QPSK	18.5
DC_5A_n41A	30	10	500202	1@22	DFT_QPSK	18.45
DC_5A_n41A	30	10	500202	24@0	DFT_16QAM	16.53
DC_5A_n41A	30	10	500202	12@6	DFT_16QAM	17.52
DC_5A_n41A	30	10	500202	1@1	DFT_16QAM	17.38
DC_5A_n41A	30	10	500202	1@22	DFT_16QAM	17.27
DC_5A_n41A	30	10	500202	24@0	DFT_64QAM	16.06
DC_5A_n41A	30	10	500202	12@6	DFT_64QAM	16.02
DC_5A_n41A	30	10	500202	1@1	DFT_64QAM	15.96
DC_5A_n41A	30	10	500202	1@22	DFT_64QAM	16
DC_5A_n41A	30	10	500202	24@0	DFT_256QAM	13.97
DC_5A_n41A	30	10	500202	12@6	DFT_256QAM	14.09
DC_5A_n41A	30	10	500202	1@1	DFT_256QAM	13.92
DC_5A_n41A	30	10	500202	1@22	DFT_256QAM	13.88
DC_5A_n41A	30	10	500202	24@0	CP_QPSK	15.49
DC_5A_n41A	30	10	500202	12@6	CP_QPSK	17.2
DC_5A_n41A	30	10	500202	1@1	CP_QPSK	17.1
DC_5A_n41A	30	10	500202	1@22	CP_QPSK	16.95
DC_5A_n41A	30	10	518598	24@0	DFT_BPSK	18.38
DC_5A_n41A	30	10	518598	12@6	DFT_BPSK	18.85
DC_5A_n41A	30	10	518598	1@1	DFT_BPSK	18.78
DC_5A_n41A	30	10	518598	1@22	DFT_BPSK	18.96
DC_5A_n41A	30	10	518598	24@0	DFT_QPSK	17.86
DC_5A_n41A	30	10	518598	12@6	DFT_QPSK	18.9
DC_5A_n41A	30	10	518598	1@1	DFT_QPSK	18.87
DC_5A_n41A	30	10	518598	1@22	DFT_QPSK	19.04
DC_5A_n41A	30	10	518598	24@0	DFT_16QAM	17
DC_5A_n41A	30	10	518598	12@6	DFT_16QAM	17.89
DC_5A_n41A	30	10	518598	1@1	DFT_16QAM	17.65
DC_5A_n41A	30	10	518598	1@22	DFT_16QAM	17.83
DC_5A_n41A	30	10	518598	24@0	DFT_64QAM	16.45
DC_5A_n41A	30	10	518598	12@6	DFT_64QAM	16.52
DC_5A_n41A	30	10	518598	1@1	DFT_64QAM	16.38
DC_5A_n41A	30	10	518598	1@22	DFT_64QAM	16.56
DC_5A_n41A	30	10	518598	24@0	DFT_256QAM	14.36
DC_5A_n41A	30	10	518598	12@6	DFT_256QAM	14.51
DC_5A_n41A	30	10	518598	1@1	DFT_256QAM	14.28
DC_5A_n41A	30	10	518598	1@22	DFT_256QAM	14.45
DC_5A_n41A	30	10	518598	24@0	CP_QPSK	15.9
DC_5A_n41A	30	10	518598	12@6	CP_QPSK	17.29



DC_5A_n41A	30	10	518598	1@1	CP_QPSK	17.43
DC_5A_n41A	30	10	518598	1@22	CP_QPSK	17.58
DC_5A_n41A	30	10	537000	24@0	DFT_BPSK	18.65
DC_5A_n41A	30	10	537000	12@6	DFT_BPSK	19.12
DC_5A_n41A	30	10	537000	1@1	DFT_BPSK	19.08
DC_5A_n41A	30	10	537000	1@22	DFT_BPSK	19.16
DC_5A_n41A	30	10	537000	24@0	DFT_QPSK	18.1
DC_5A_n41A	30	10	537000	12@6	DFT_QPSK	19.17
DC_5A_n41A	30	10	537000	1@1	DFT_QPSK	19.12
DC_5A_n41A	30	10	537000	1@22	DFT_QPSK	19.25
DC_5A_n41A	30	10	537000	24@0	DFT_16QAM	17.2
DC_5A_n41A	30	10	537000	12@6	DFT_16QAM	18.18
DC_5A_n41A	30	10	537000	1@1	DFT_16QAM	17.93
DC_5A_n41A	30	10	537000	1@22	DFT_16QAM	18.07
DC_5A_n41A	30	10	537000	24@0	DFT_64QAM	16.74
DC_5A_n41A	30	10	537000	12@6	DFT_64QAM	16.71
DC_5A_n41A	30	10	537000	1@1	DFT_64QAM	16.54
DC_5A_n41A	30	10	537000	1@22	DFT_64QAM	16.77
DC_5A_n41A	30	10	537000	24@0	DFT_256QAM	14.66
DC_5A_n41A	30	10	537000	12@6	DFT_256QAM	14.94
DC_5A_n41A	30	10	537000	1@1	DFT_256QAM	14.59
DC_5A_n41A	30	10	537000	1@22	DFT_256QAM	14.71
DC_5A_n41A	30	10	537000	24@0	CP_QPSK	16.11
DC_5A_n41A	30	10	537000	12@6	CP_QPSK	17.52
DC_5A_n41A	30	10	537000	1@1	CP_QPSK	17.77
DC_5A_n41A	30	10	537000	1@22	CP_QPSK	17.84
DC_5A_n41A	30	15	500700	36@0	DFT_BPSK	18.01
DC_5A_n41A	30	15	500700	18@9	DFT_BPSK	18.54
DC_5A_n41A	30	15	500700	1@1	DFT_BPSK	18.47
DC_5A_n41A	30	15	500700	1@36	DFT_BPSK	18.44
DC_5A_n41A	30	15	500700	36@0	DFT_QPSK	17.51
DC_5A_n41A	30	15	500700	18@9	DFT_QPSK	18.54
DC_5A_n41A	30	15	500700	1@1	DFT_QPSK	18.53
DC_5A_n41A	30	15	500700	1@36	DFT_QPSK	18.49
DC_5A_n41A	30	15	500700	36@0	DFT_16QAM	16.56
DC_5A_n41A	30	15	500700	18@9	DFT_16QAM	17.46
DC_5A_n41A	30	15	500700	1@1	DFT_16QAM	17.32
DC_5A_n41A	30	15	500700	1@36	DFT_16QAM	17.26
DC_5A_n41A	30	15	500700	36@0	DFT_64QAM	16
DC_5A_n41A	30	15	500700	18@9	DFT_64QAM	16.05
DC_5A_n41A	30	15	500700	1@1	DFT_64QAM	15.97
DC_5A_n41A	30	15	500700	1@36	DFT_64QAM	15.96
DC_5A_n41A	30	15	500700	36@0	DFT_256QAM	13.97
DC_5A_n41A	30	15	500700	18@9	DFT_256QAM	14
DC_5A_n41A	30	15	500700	1@1	DFT_256QAM	14.07
DC_5A_n41A	30	15	500700	1@36	DFT_256QAM	13.98
DC_5A_n41A	30	15	500700	38@0	CP_QPSK	15.5
DC_5A_n41A	30	15	500700	19@9	CP_QPSK	17.02



DC_5A_n41A	30	15	500700	1@1	CP_QPSK	17.11
DC_5A_n41A	30	15	500700	1@36	CP_QPSK	17.07
DC_5A_n41A	30	15	518598	36@0	DFT_BPSK	18.42
DC_5A_n41A	30	15	518598	18@9	DFT_BPSK	18.95
DC_5A_n41A	30	15	518598	1@1	DFT_BPSK	18.73
DC_5A_n41A	30	15	518598	1@36	DFT_BPSK	19.02
DC_5A_n41A	30	15	518598	36@0	DFT_QPSK	17.93
DC_5A_n41A	30	15	518598	18@9	DFT_QPSK	18.95
DC_5A_n41A	30	15	518598	1@1	DFT_QPSK	18.79
DC_5A_n41A	30	15	518598	1@36	DFT_QPSK	19.09
DC_5A_n41A	30	15	518598	36@0	DFT_16QAM	16.95
DC_5A_n41A	30	15	518598	18@9	DFT_16QAM	17.89
DC_5A_n41A	30	15	518598	1@1	DFT_16QAM	17.67
DC_5A_n41A	30	15	518598	1@36	DFT_16QAM	17.92
DC_5A_n41A	30	15	518598	36@0	DFT_64QAM	16.39
DC_5A_n41A	30	15	518598	18@9	DFT_64QAM	16.47
DC_5A_n41A	30	15	518598	1@1	DFT_64QAM	16.4
DC_5A_n41A	30	15	518598	1@36	DFT_64QAM	16.58
DC_5A_n41A	30	15	518598	36@0	DFT_256QAM	14.32
DC_5A_n41A	30	15	518598	18@9	DFT_256QAM	14.46
DC_5A_n41A	30	15	518598	1@1	DFT_256QAM	14.31
DC_5A_n41A	30	15	518598	1@36	DFT_256QAM	14.53
DC_5A_n41A	30	15	518598	38@0	CP_QPSK	15.92
DC_5A_n41A	30	15	518598	19@9	CP_QPSK	17.41
DC_5A_n41A	30	15	518598	1@1	CP_QPSK	17.44
DC_5A_n41A	30	15	518598	1@36	CP_QPSK	17.7
DC_5A_n41A	30	15	536496	36@0	DFT_BPSK	18.65
DC_5A_n41A	30	15	536496	18@9	DFT_BPSK	19.08
DC_5A_n41A	30	15	536496	1@1	DFT_BPSK	19.12
DC_5A_n41A	30	15	536496	1@36	DFT_BPSK	19.16
DC_5A_n41A	30	15	536496	36@0	DFT_QPSK	18.14
DC_5A_n41A	30	15	536496	18@9	DFT_QPSK	19.14
DC_5A_n41A	30	15	536496	1@1	DFT_QPSK	19.16
DC_5A_n41A	30	15	536496	1@36	DFT_QPSK	19.23
DC_5A_n41A	30	15	536496	36@0	DFT_16QAM	17.18
DC_5A_n41A	30	15	536496	18@9	DFT_16QAM	18.06
DC_5A_n41A	30	15	536496	1@1	DFT_16QAM	17.97
DC_5A_n41A	30	15	536496	1@36	DFT_16QAM	18.05
DC_5A_n41A	30	15	536496	36@0	DFT_64QAM	16.63
DC_5A_n41A	30	15	536496	18@9	DFT_64QAM	16.64
DC_5A_n41A	30	15	536496	1@1	DFT_64QAM	16.77
DC_5A_n41A	30	15	536496	1@36	DFT_64QAM	16.74
DC_5A_n41A	30	15	536496	36@0	DFT_256QAM	14.59
DC_5A_n41A	30	15	536496	18@9	DFT_256QAM	14.59
DC_5A_n41A	30	15	536496	1@1	DFT_256QAM	14.64
DC_5A_n41A	30	15	536496	1@36	DFT_256QAM	14.77
DC_5A_n41A	30	15	536496	38@0	CP_QPSK	16.16
DC_5A_n41A	30	15	536496	19@9	CP_QPSK	17.62



DC_5A_n41A	30	15	536496	1@1	CP_QPSK	17.75
DC_5A_n41A	30	15	536496	1@36	CP_QPSK	17.82
DC_5A_n41A	30	20	501204	50@0	DFT_BPSK	18.03
DC_5A_n41A	30	20	501204	25@12	DFT_BPSK	18.48
DC_5A_n41A	30	20	501204	1@1	DFT_BPSK	18.46
DC_5A_n41A	30	20	501204	1@49	DFT_BPSK	18.48
DC_5A_n41A	30	20	501204	50@0	DFT_QPSK	17.52
DC_5A_n41A	30	20	501204	25@12	DFT_QPSK	18.51
DC_5A_n41A	30	20	501204	1@1	DFT_QPSK	18.5
DC_5A_n41A	30	20	501204	1@49	DFT_QPSK	18.58
DC_5A_n41A	30	20	501204	50@0	DFT_16QAM	16.47
DC_5A_n41A	30	20	501204	25@12	DFT_16QAM	17.46
DC_5A_n41A	30	20	501204	1@1	DFT_16QAM	17.28
DC_5A_n41A	30	20	501204	1@49	DFT_16QAM	17.41
DC_5A_n41A	30	20	501204	50@0	DFT_64QAM	15.93
DC_5A_n41A	30	20	501204	25@12	DFT_64QAM	15.95
DC_5A_n41A	30	20	501204	1@1	DFT_64QAM	16.07
DC_5A_n41A	30	20	501204	1@49	DFT_64QAM	16.1
DC_5A_n41A	30	20	501204	50@0	DFT_256QAM	13.99
DC_5A_n41A	30	20	501204	25@12	DFT_256QAM	13.93
DC_5A_n41A	30	20	501204	1@1	DFT_256QAM	14.03
DC_5A_n41A	30	20	501204	1@49	DFT_256QAM	14.03
DC_5A_n41A	30	20	501204	51@0	CP_QPSK	15.55
DC_5A_n41A	30	20	501204	25@12	CP_QPSK	17
DC_5A_n41A	30	20	501204	1@1	CP_QPSK	17.09
DC_5A_n41A	30	20	501204	1@49	CP_QPSK	17.14
DC_5A_n41A	30	20	518598	50@0	DFT_BPSK	18.47
DC_5A_n41A	30	20	518598	25@12	DFT_BPSK	18.96
DC_5A_n41A	30	20	518598	1@1	DFT_BPSK	18.75
DC_5A_n41A	30	20	518598	1@49	DFT_BPSK	19.11
DC_5A_n41A	30	20	518598	50@0	DFT_QPSK	17.92
DC_5A_n41A	30	20	518598	25@12	DFT_QPSK	18.96
DC_5A_n41A	30	20	518598	1@1	DFT_QPSK	18.8
DC_5A_n41A	30	20	518598	1@49	DFT_QPSK	19.18
DC_5A_n41A	30	20	518598	50@0	DFT_16QAM	16.87
DC_5A_n41A	30	20	518598	25@12	DFT_16QAM	17.9
DC_5A_n41A	30	20	518598	1@1	DFT_16QAM	17.57
DC_5A_n41A	30	20	518598	1@49	DFT_16QAM	18
DC_5A_n41A	30	20	518598	50@0	DFT_64QAM	16.37
DC_5A_n41A	30	20	518598	25@12	DFT_64QAM	16.43
DC_5A_n41A	30	20	518598	1@1	DFT_64QAM	16.39
DC_5A_n41A	30	20	518598	1@49	DFT_64QAM	16.69
DC_5A_n41A	30	20	518598	50@0	DFT_256QAM	14.38
DC_5A_n41A	30	20	518598	25@12	DFT_256QAM	14.44
DC_5A_n41A	30	20	518598	1@1	DFT_256QAM	14.24
DC_5A_n41A	30	20	518598	1@49	DFT_256QAM	14.67
DC_5A_n41A	30	20	518598	51@0	CP_QPSK	15.95
DC_5A_n41A	30	20	518598	25@12	CP_QPSK	17.45



DC_5A_n41A	30	20	518598	1@1	CP_QPSK	17.41
DC_5A_n41A	30	20	518598	1@49	CP_QPSK	17.75
DC_5A_n41A	30	20	535998	50@0	DFT_BPSK	18.71
DC_5A_n41A	30	20	535998	25@12	DFT_BPSK	19.13
DC_5A_n41A	30	20	535998	1@1	DFT_BPSK	19.26
DC_5A_n41A	30	20	535998	1@49	DFT_BPSK	19.18
DC_5A_n41A	30	20	535998	50@0	DFT_QPSK	18.22
DC_5A_n41A	30	20	535998	25@12	DFT_QPSK	19.2
DC_5A_n41A	30	20	535998	1@1	DFT_QPSK	19.32
DC_5A_n41A	30	20	535998	1@49	DFT_QPSK	19.24
DC_5A_n41A	30	20	535998	50@0	DFT_16QAM	17.16
DC_5A_n41A	30	20	535998	25@12	DFT_16QAM	18.1
DC_5A_n41A	30	20	535998	1@1	DFT_16QAM	18.16
DC_5A_n41A	30	20	535998	1@49	DFT_16QAM	18.11
DC_5A_n41A	30	20	535998	50@0	DFT_64QAM	16.64
DC_5A_n41A	30	20	535998	25@12	DFT_64QAM	16.64
DC_5A_n41A	30	20	535998	1@1	DFT_64QAM	16.92
DC_5A_n41A	30	20	535998	1@49	DFT_64QAM	16.87
DC_5A_n41A	30	20	535998	50@0	DFT_256QAM	14.68
DC_5A_n41A	30	20	535998	25@12	DFT_256QAM	14.64
DC_5A_n41A	30	20	535998	1@1	DFT_256QAM	14.87
DC_5A_n41A	30	20	535998	1@49	DFT_256QAM	14.81
DC_5A_n41A	30	20	535998	51@0	CP_QPSK	16.27
DC_5A_n41A	30	20	535998	25@12	CP_QPSK	17.65
DC_5A_n41A	30	20	535998	1@1	CP_QPSK	17.91
DC_5A_n41A	30	20	535998	1@49	CP_QPSK	17.87
DC_5A_n41A	30	30	502200	75@0	DFT_BPSK	18.06
DC_5A_n41A	30	30	502200	36@18	DFT_BPSK	18.52
DC_5A_n41A	30	30	502200	1@1	DFT_BPSK	18.41
DC_5A_n41A	30	30	502200	1@76	DFT_BPSK	18.59
DC_5A_n41A	30	30	502200	75@0	DFT_QPSK	17.54
DC_5A_n41A	30	30	502200	36@18	DFT_QPSK	18.52
DC_5A_n41A	30	30	502200	1@1	DFT_QPSK	18.5
DC_5A_n41A	30	30	502200	1@76	DFT_QPSK	18.67
DC_5A_n41A	30	30	502200	75@0	DFT_16QAM	16.57
DC_5A_n41A	30	30	502200	36@18	DFT_16QAM	17.56
DC_5A_n41A	30	30	502200	1@1	DFT_16QAM	17.35
DC_5A_n41A	30	30	502200	1@76	DFT_16QAM	17.45
DC_5A_n41A	30	30	502200	75@0	DFT_64QAM	16.09
DC_5A_n41A	30	30	502200	36@18	DFT_64QAM	16.01
DC_5A_n41A	30	30	502200	1@1	DFT_64QAM	15.92
DC_5A_n41A	30	30	502200	1@76	DFT_64QAM	16.15
DC_5A_n41A	30	30	502200	75@0	DFT_256QAM	14.06
DC_5A_n41A	30	30	502200	36@18	DFT_256QAM	13.97
DC_5A_n41A	30	30	502200	1@1	DFT_256QAM	14.01
DC_5A_n41A	30	30	502200	1@76	DFT_256QAM	14.2
DC_5A_n41A	30	30	502200	78@0	CP_QPSK	15.55
DC_5A_n41A	30	30	502200	39@19	CP_QPSK	17.08



DC_5A_n41A	30	30	502200	1@1	CP_QPSK	17.07
DC_5A_n41A	30	30	502200	1@76	CP_QPSK	17.29
DC_5A_n41A	30	30	518598	75@0	DFT_BPSK	18.46
DC_5A_n41A	30	30	518598	36@18	DFT_BPSK	18.93
DC_5A_n41A	30	30	518598	1@1	DFT_BPSK	18.61
DC_5A_n41A	30	30	518598	1@76	DFT_BPSK	19.24
DC_5A_n41A	30	30	518598	75@0	DFT_QPSK	17.99
DC_5A_n41A	30	30	518598	36@18	DFT_QPSK	18.98
DC_5A_n41A	30	30	518598	1@1	DFT_QPSK	18.75
DC_5A_n41A	30	30	518598	1@76	DFT_QPSK	19.34
DC_5A_n41A	30	30	518598	75@0	DFT_16QAM	16.99
DC_5A_n41A	30	30	518598	36@18	DFT_16QAM	18
DC_5A_n41A	30	30	518598	1@1	DFT_16QAM	17.52
DC_5A_n41A	30	30	518598	1@76	DFT_16QAM	18.16
DC_5A_n41A	30	30	518598	75@0	DFT_64QAM	16.49
DC_5A_n41A	30	30	518598	36@18	DFT_64QAM	16.48
DC_5A_n41A	30	30	518598	1@1	DFT_64QAM	16.17
DC_5A_n41A	30	30	518598	1@76	DFT_64QAM	16.77
DC_5A_n41A	30	30	518598	75@0	DFT_256QAM	14.49
DC_5A_n41A	30	30	518598	36@18	DFT_256QAM	14.42
DC_5A_n41A	30	30	518598	1@1	DFT_256QAM	14.22
DC_5A_n41A	30	30	518598	1@76	DFT_256QAM	14.83
DC_5A_n41A	30	30	518598	78@0	CP_QPSK	16.02
DC_5A_n41A	30	30	518598	39@19	CP_QPSK	17.49
DC_5A_n41A	30	30	518598	1@1	CP_QPSK	17.34
DC_5A_n41A	30	30	518598	1@76	CP_QPSK	17.89
DC_5A_n41A	30	30	534996	75@0	DFT_BPSK	18.92
DC_5A_n41A	30	30	534996	36@18	DFT_BPSK	19.42
DC_5A_n41A	30	30	534996	1@1	DFT_BPSK	19.38
DC_5A_n41A	30	30	534996	1@76	DFT_BPSK	19.28
DC_5A_n41A	30	30	534996	75@0	DFT_QPSK	18.39
DC_5A_n41A	30	30	534996	36@18	DFT_QPSK	19.4
DC_5A_n41A	30	30	534996	1@1	DFT_QPSK	19.49
DC_5A_n41A	30	30	534996	1@76	DFT_QPSK	19.38
DC_5A_n41A	30	30	534996	75@0	DFT_16QAM	17.39
DC_5A_n41A	30	30	534996	36@18	DFT_16QAM	18.44
DC_5A_n41A	30	30	534996	1@1	DFT_16QAM	18.3
DC_5A_n41A	30	30	534996	1@76	DFT_16QAM	18.17
DC_5A_n41A	30	30	534996	75@0	DFT_64QAM	16.91
DC_5A_n41A	30	30	534996	36@18	DFT_64QAM	16.93
DC_5A_n41A	30	30	534996	1@1	DFT_64QAM	16.94
DC_5A_n41A	30	30	534996	1@76	DFT_64QAM	16.84
DC_5A_n41A	30	30	534996	75@0	DFT_256QAM	14.92
DC_5A_n41A	30	30	534996	36@18	DFT_256QAM	14.86
DC_5A_n41A	30	30	534996	1@1	DFT_256QAM	14.99
DC_5A_n41A	30	30	534996	1@76	DFT_256QAM	14.89
DC_5A_n41A	30	30	534996	78@0	CP_QPSK	16.4
DC_5A_n41A	30	30	534996	39@19	CP_QPSK	17.87



DC_5A_n41A	30	30	534996	1@1	CP_QPSK	18.06
DC_5A_n41A	30	30	534996	1@76	CP_QPSK	17.97
DC_5A_n41A	30	40	503202	100@0	DFT_BPSK	18.04
DC_5A_n41A	30	40	503202	50@25	DFT_BPSK	18.57
DC_5A_n41A	30	40	503202	1@1	DFT_BPSK	18.4
DC_5A_n41A	30	40	503202	1@104	DFT_BPSK	18.37
DC_5A_n41A	30	40	503202	100@0	DFT_QPSK	17.55
DC_5A_n41A	30	40	503202	50@25	DFT_QPSK	18.56
DC_5A_n41A	30	40	503202	1@1	DFT_QPSK	18.47
DC_5A_n41A	30	40	503202	1@104	DFT_QPSK	18.48
DC_5A_n41A	30	40	503202	100@0	DFT_16QAM	16.52
DC_5A_n41A	30	40	503202	50@25	DFT_16QAM	17.54
DC_5A_n41A	30	40	503202	1@1	DFT_16QAM	17.28
DC_5A_n41A	30	40	503202	1@104	DFT_16QAM	17.27
DC_5A_n41A	30	40	503202	100@0	DFT_64QAM	16.01
DC_5A_n41A	30	40	503202	50@25	DFT_64QAM	16.05
DC_5A_n41A	30	40	503202	1@1	DFT_64QAM	16
DC_5A_n41A	30	40	503202	1@104	DFT_64QAM	15.87
DC_5A_n41A	30	40	503202	100@0	DFT_256QAM	14.03
DC_5A_n41A	30	40	503202	50@25	DFT_256QAM	14.06
DC_5A_n41A	30	40	503202	1@1	DFT_256QAM	13.99
DC_5A_n41A	30	40	503202	1@104	DFT_256QAM	13.98
DC_5A_n41A	30	40	503202	106@0	CP_QPSK	15.53
DC_5A_n41A	30	40	503202	53@26	CP_QPSK	17.11
DC_5A_n41A	30	40	503202	1@1	CP_QPSK	17.04
DC_5A_n41A	30	40	503202	1@104	CP_QPSK	17.05
DC_5A_n41A	30	40	518598	100@0	DFT_BPSK	18.46
DC_5A_n41A	30	40	518598	50@25	DFT_BPSK	18.96
DC_5A_n41A	30	40	518598	1@1	DFT_BPSK	18.45
DC_5A_n41A	30	40	518598	1@104	DFT_BPSK	19.18
DC_5A_n41A	30	40	518598	100@0	DFT_QPSK	17.96
DC_5A_n41A	30	40	518598	50@25	DFT_QPSK	18.97
DC_5A_n41A	30	40	518598	1@1	DFT_QPSK	18.59
DC_5A_n41A	30	40	518598	1@104	DFT_QPSK	19.31
DC_5A_n41A	30	40	518598	100@0	DFT_16QAM	16.95
DC_5A_n41A	30	40	518598	50@25	DFT_16QAM	17.95
DC_5A_n41A	30	40	518598	1@1	DFT_16QAM	17.35
DC_5A_n41A	30	40	518598	1@104	DFT_16QAM	18.14
DC_5A_n41A	30	40	518598	100@0	DFT_64QAM	16.45
DC_5A_n41A	30	40	518598	50@25	DFT_64QAM	16.44
DC_5A_n41A	30	40	518598	1@1	DFT_64QAM	16.12
DC_5A_n41A	30	40	518598	1@104	DFT_64QAM	16.79
DC_5A_n41A	30	40	518598	100@0	DFT_256QAM	14.46
DC_5A_n41A	30	40	518598	50@25	DFT_256QAM	14.42
DC_5A_n41A	30	40	518598	1@1	DFT_256QAM	14.06
DC_5A_n41A	30	40	518598	1@104	DFT_256QAM	14.82
DC_5A_n41A	30	40	518598	106@0	CP_QPSK	15.99
DC_5A_n41A	30	40	518598	53@26	CP_QPSK	17.55



DC_5A_n41A	30	40	518598	1@1	CP_QPSK	17.23
DC_5A_n41A	30	40	518598	1@104	CP_QPSK	17.95
DC_5A_n41A	30	40	534000	100@0	DFT_BPSK	19.02
DC_5A_n41A	30	40	534000	50@25	DFT_BPSK	19.57
DC_5A_n41A	30	40	534000	1@1	DFT_BPSK	19.31
DC_5A_n41A	30	40	534000	1@104	DFT_BPSK	19.34
DC_5A_n41A	30	40	534000	100@0	DFT_QPSK	18.48
DC_5A_n41A	30	40	534000	50@25	DFT_QPSK	19.53
DC_5A_n41A	30	40	534000	1@1	DFT_QPSK	19.43
DC_5A_n41A	30	40	534000	1@104	DFT_QPSK	19.43
DC_5A_n41A	30	40	534000	100@0	DFT_16QAM	17.49
DC_5A_n41A	30	40	534000	50@25	DFT_16QAM	18.5
DC_5A_n41A	30	40	534000	1@1	DFT_16QAM	18.23
DC_5A_n41A	30	40	534000	1@104	DFT_16QAM	18.26
DC_5A_n41A	30	40	534000	100@0	DFT_64QAM	16.99
DC_5A_n41A	30	40	534000	50@25	DFT_64QAM	17.04
DC_5A_n41A	30	40	534000	1@1	DFT_64QAM	17.01
DC_5A_n41A	30	40	534000	1@104	DFT_64QAM	17.01
DC_5A_n41A	30	40	534000	100@0	DFT_256QAM	15
DC_5A_n41A	30	40	534000	50@25	DFT_256QAM	15.01
DC_5A_n41A	30	40	534000	1@1	DFT_256QAM	14.92
DC_5A_n41A	30	40	534000	1@104	DFT_256QAM	14.91
DC_5A_n41A	30	40	534000	106@0	CP_QPSK	16.51
DC_5A_n41A	30	40	534000	53@26	CP_QPSK	18.05
DC_5A_n41A	30	40	534000	1@1	CP_QPSK	17.98
DC_5A_n41A	30	40	534000	1@104	CP_QPSK	18.02
DC_5A_n41A	30	50	504204	128@0	DFT_BPSK	18.07
DC_5A_n41A	30	50	504204	64@32	DFT_BPSK	18.66
DC_5A_n41A	30	50	504204	1@1	DFT_BPSK	18.37
DC_5A_n41A	30	50	504204	1@131	DFT_BPSK	18.38
DC_5A_n41A	30	50	504204	128@0	DFT_QPSK	17.59
DC_5A_n41A	30	50	504204	64@32	DFT_QPSK	18.65
DC_5A_n41A	30	50	504204	1@1	DFT_QPSK	18.47
DC_5A_n41A	30	50	504204	1@131	DFT_QPSK	18.48
DC_5A_n41A	30	50	504204	128@0	DFT_16QAM	16.57
DC_5A_n41A	30	50	504204	64@32	DFT_16QAM	17.58
DC_5A_n41A	30	50	504204	1@1	DFT_16QAM	17.3
DC_5A_n41A	30	50	504204	1@131	DFT_16QAM	17.29
DC_5A_n41A	30	50	504204	128@0	DFT_64QAM	16.07
DC_5A_n41A	30	50	504204	64@32	DFT_64QAM	16.13
DC_5A_n41A	30	50	504204	1@1	DFT_64QAM	15.85
DC_5A_n41A	30	50	504204	1@131	DFT_64QAM	15.93
DC_5A_n41A	30	50	504204	128@0	DFT_256QAM	14.07
DC_5A_n41A	30	50	504204	64@32	DFT_256QAM	14.15
DC_5A_n41A	30	50	504204	1@1	DFT_256QAM	13.96
DC_5A_n41A	30	50	504204	1@131	DFT_256QAM	13.95
DC_5A_n41A	30	50	504204	133@0	CP_QPSK	15.56
DC_5A_n41A	30	50	504204	67@33	CP_QPSK	17.16



DC_5A_n41A	30	50	504204	1@1	CP_QPSK	17.09
DC_5A_n41A	30	50	504204	1@131	CP_QPSK	17.05
DC_5A_n41A	30	50	518598	128@0	DFT_BPSK	18.47
DC_5A_n41A	30	50	518598	64@32	DFT_BPSK	18.99
DC_5A_n41A	30	50	518598	1@1	DFT_BPSK	18.3
DC_5A_n41A	30	50	518598	1@131	DFT_BPSK	19.21
DC_5A_n41A	30	50	518598	128@0	DFT_QPSK	18
DC_5A_n41A	30	50	518598	64@32	DFT_QPSK	18.99
DC_5A_n41A	30	50	518598	1@1	DFT_QPSK	18.43
DC_5A_n41A	30	50	518598	1@131	DFT_QPSK	19.3
DC_5A_n41A	30	50	518598	128@0	DFT_16QAM	16.99
DC_5A_n41A	30	50	518598	64@32	DFT_16QAM	17.9
DC_5A_n41A	30	50	518598	1@1	DFT_16QAM	17.22
DC_5A_n41A	30	50	518598	1@131	DFT_16QAM	18.11
DC_5A_n41A	30	50	518598	128@0	DFT_64QAM	16.49
DC_5A_n41A	30	50	518598	64@32	DFT_64QAM	16.5
DC_5A_n41A	30	50	518598	1@1	DFT_64QAM	15.89
DC_5A_n41A	30	50	518598	1@131	DFT_64QAM	16.72
DC_5A_n41A	30	50	518598	128@0	DFT_256QAM	14.49
DC_5A_n41A	30	50	518598	64@32	DFT_256QAM	14.47
DC_5A_n41A	30	50	518598	1@1	DFT_256QAM	13.88
DC_5A_n41A	30	50	518598	1@131	DFT_256QAM	14.75
DC_5A_n41A	30	50	518598	133@0	CP_QPSK	16
DC_5A_n41A	30	50	518598	67@33	CP_QPSK	17.5
DC_5A_n41A	30	50	518598	1@1	CP_QPSK	17.05
DC_5A_n41A	30	50	518598	1@131	CP_QPSK	17.93
DC_5A_n41A	30	50	532998	128@0	DFT_BPSK	19.01
DC_5A_n41A	30	50	532998	64@32	DFT_BPSK	19.58
DC_5A_n41A	30	50	532998	1@1	DFT_BPSK	19.37
DC_5A_n41A	30	50	532998	1@131	DFT_BPSK	19.29
DC_5A_n41A	30	50	532998	128@0	DFT_QPSK	18.54
DC_5A_n41A	30	50	532998	64@32	DFT_QPSK	19.56
DC_5A_n41A	30	50	532998	1@1	DFT_QPSK	19.5
DC_5A_n41A	30	50	532998	1@131	DFT_QPSK	19.41
DC_5A_n41A	30	50	532998	128@0	DFT_16QAM	17.51
DC_5A_n41A	30	50	532998	64@32	DFT_16QAM	18.5
DC_5A_n41A	30	50	532998	1@1	DFT_16QAM	18.27
DC_5A_n41A	30	50	532998	1@131	DFT_16QAM	18.21
DC_5A_n41A	30	50	532998	128@0	DFT_64QAM	17.04
DC_5A_n41A	30	50	532998	64@32	DFT_64QAM	17.07
DC_5A_n41A	30	50	532998	1@1	DFT_64QAM	16.95
DC_5A_n41A	30	50	532998	1@131	DFT_64QAM	16.86
DC_5A_n41A	30	50	532998	128@0	DFT_256QAM	15.05
DC_5A_n41A	30	50	532998	64@32	DFT_256QAM	15.06
DC_5A_n41A	30	50	532998	1@1	DFT_256QAM	14.97
DC_5A_n41A	30	50	532998	1@131	DFT_256QAM	14.89
DC_5A_n41A	30	50	532998	133@0	CP_QPSK	16.55
DC_5A_n41A	30	50	532998	67@33	CP_QPSK	18.03



DC_5A_n41A	30	50	532998	1@1	CP_QPSK	18.17
DC_5A_n41A	30	50	532998	1@131	CP_QPSK	18.04
DC_5A_n41A	30	60	505200	162@0	DFT_BPSK	17.93
DC_5A_n41A	30	60	505200	81@40	DFT_BPSK	18.49
DC_5A_n41A	30	60	505200	1@1	DFT_BPSK	18.34
DC_5A_n41A	30	60	505200	1@160	DFT_BPSK	18.35
DC_5A_n41A	30	60	505200	162@0	DFT_QPSK	17.44
DC_5A_n41A	30	60	505200	81@40	DFT_QPSK	18.48
DC_5A_n41A	30	60	505200	1@1	DFT_QPSK	18.45
DC_5A_n41A	30	60	505200	1@160	DFT_QPSK	18.48
DC_5A_n41A	30	60	505200	162@0	DFT_16QAM	16.42
DC_5A_n41A	30	60	505200	81@40	DFT_16QAM	17.48
DC_5A_n41A	30	60	505200	1@1	DFT_16QAM	17.2
DC_5A_n41A	30	60	505200	1@160	DFT_16QAM	17.31
DC_5A_n41A	30	60	505200	162@0	DFT_64QAM	15.95
DC_5A_n41A	30	60	505200	81@40	DFT_64QAM	16.03
DC_5A_n41A	30	60	505200	1@1	DFT_64QAM	15.85
DC_5A_n41A	30	60	505200	1@160	DFT_64QAM	15.89
DC_5A_n41A	30	60	505200	162@0	DFT_256QAM	13.95
DC_5A_n41A	30	60	505200	81@40	DFT_256QAM	13.98
DC_5A_n41A	30	60	505200	1@1	DFT_256QAM	13.91
DC_5A_n41A	30	60	505200	1@160	DFT_256QAM	13.97
DC_5A_n41A	30	60	505200	162@0	CP_QPSK	15.43
DC_5A_n41A	30	60	505200	81@40	CP_QPSK	16.99
DC_5A_n41A	30	60	505200	1@1	CP_QPSK	17.01
DC_5A_n41A	30	60	505200	1@160	CP_QPSK	17.04
DC_5A_n41A	30	60	518598	162@0	DFT_BPSK	18.36
DC_5A_n41A	30	60	518598	81@40	DFT_BPSK	18.91
DC_5A_n41A	30	60	518598	1@1	DFT_BPSK	18.24
DC_5A_n41A	30	60	518598	1@160	DFT_BPSK	19.14
DC_5A_n41A	30	60	518598	162@0	DFT_QPSK	17.86
DC_5A_n41A	30	60	518598	81@40	DFT_QPSK	18.89
DC_5A_n41A	30	60	518598	1@1	DFT_QPSK	18.35
DC_5A_n41A	30	60	518598	1@160	DFT_QPSK	19.28
DC_5A_n41A	30	60	518598	162@0	DFT_16QAM	16.88
DC_5A_n41A	30	60	518598	81@40	DFT_16QAM	17.92
DC_5A_n41A	30	60	518598	1@1	DFT_16QAM	17.1
DC_5A_n41A	30	60	518598	1@160	DFT_16QAM	18.09
DC_5A_n41A	30	60	518598	162@0	DFT_64QAM	16.4
DC_5A_n41A	30	60	518598	81@40	DFT_64QAM	16.46
DC_5A_n41A	30	60	518598	1@1	DFT_64QAM	15.77
DC_5A_n41A	30	60	518598	1@160	DFT_64QAM	16.73
DC_5A_n41A	30	60	518598	162@0	DFT_256QAM	14.42
DC_5A_n41A	30	60	518598	81@40	DFT_256QAM	14.42
DC_5A_n41A	30	60	518598	1@1	DFT_256QAM	13.75
DC_5A_n41A	30	60	518598	1@160	DFT_256QAM	14.75
DC_5A_n41A	30	60	518598	162@0	CP_QPSK	15.94
DC_5A_n41A	30	60	518598	81@40	CP_QPSK	17.42



DC_5A_n41A	30	60	518598	1@1	CP_QPSK	17.04
DC_5A_n41A	30	60	518598	1@160	CP_QPSK	17.89
DC_5A_n41A	30	60	531996	162@0	DFT_BPSK	18.95
DC_5A_n41A	30	60	531996	81@40	DFT_BPSK	19.53
DC_5A_n41A	30	60	531996	1@1	DFT_BPSK	19.35
DC_5A_n41A	30	60	531996	1@160	DFT_BPSK	19.35
DC_5A_n41A	30	60	531996	162@0	DFT_QPSK	18.48
DC_5A_n41A	30	60	531996	81@40	DFT_QPSK	19.5
DC_5A_n41A	30	60	531996	1@1	DFT_QPSK	19.45
DC_5A_n41A	30	60	531996	1@160	DFT_QPSK	19.47
DC_5A_n41A	30	60	531996	162@0	DFT_16QAM	17.45
DC_5A_n41A	30	60	531996	81@40	DFT_16QAM	18.49
DC_5A_n41A	30	60	531996	1@1	DFT_16QAM	18.25
DC_5A_n41A	30	60	531996	1@160	DFT_16QAM	18.25
DC_5A_n41A	30	60	531996	162@0	DFT_64QAM	17
DC_5A_n41A	30	60	531996	81@40	DFT_64QAM	17.03
DC_5A_n41A	30	60	531996	1@1	DFT_64QAM	16.9
DC_5A_n41A	30	60	531996	1@160	DFT_64QAM	16.92
DC_5A_n41A	30	60	531996	162@0	DFT_256QAM	15.01
DC_5A_n41A	30	60	531996	81@40	DFT_256QAM	15.02
DC_5A_n41A	30	60	531996	1@1	DFT_256QAM	14.93
DC_5A_n41A	30	60	531996	1@160	DFT_256QAM	14.97
DC_5A_n41A	30	60	531996	162@0	CP_QPSK	16.5
DC_5A_n41A	30	60	531996	81@40	CP_QPSK	17.99
DC_5A_n41A	30	60	531996	1@1	CP_QPSK	18.03
DC_5A_n41A	30	60	531996	1@160	CP_QPSK	18.1
DC_5A_n41A	30	80	507204	216@0	DFT_BPSK	18.06
DC_5A_n41A	30	80	507204	108@54	DFT_BPSK	18.58
DC_5A_n41A	30	80	507204	1@1	DFT_BPSK	18.51
DC_5A_n41A	30	80	507204	1@215	DFT_BPSK	18.54
DC_5A_n41A	30	80	507204	216@0	DFT_QPSK	17.58
DC_5A_n41A	30	80	507204	108@54	DFT_QPSK	18.58
DC_5A_n41A	30	80	507204	1@1	DFT_QPSK	18.62
DC_5A_n41A	30	80	507204	1@215	DFT_QPSK	18.67
DC_5A_n41A	30	80	507204	216@0	DFT_16QAM	16.57
DC_5A_n41A	30	80	507204	108@54	DFT_16QAM	17.57
DC_5A_n41A	30	80	507204	1@1	DFT_16QAM	17.44
DC_5A_n41A	30	80	507204	1@215	DFT_16QAM	17.44
DC_5A_n41A	30	80	507204	216@0	DFT_64QAM	16.03
DC_5A_n41A	30	80	507204	108@54	DFT_64QAM	16.1
DC_5A_n41A	30	80	507204	1@1	DFT_64QAM	16.14
DC_5A_n41A	30	80	507204	1@215	DFT_64QAM	16.23
DC_5A_n41A	30	80	507204	216@0	DFT_256QAM	14.06
DC_5A_n41A	30	80	507204	108@54	DFT_256QAM	14.1
DC_5A_n41A	30	80	507204	1@1	DFT_256QAM	14.1
DC_5A_n41A	30	80	507204	1@215	DFT_256QAM	14.12
DC_5A_n41A	30	80	507204	217@0	CP_QPSK	15.56
DC_5A_n41A	30	80	507204	109@54	CP_QPSK	17.11



DC_5A_n41A	30	80	507204	1@1	CP_QPSK	17.2
DC_5A_n41A	30	80	507204	1@215	CP_QPSK	17.23
DC_5A_n41A	30	80	518598	216@0	DFT_BPSK	18.46
DC_5A_n41A	30	80	518598	108@54	DFT_BPSK	18.97
DC_5A_n41A	30	80	518598	1@1	DFT_BPSK	18.43
DC_5A_n41A	30	80	518598	1@215	DFT_BPSK	19.46
DC_5A_n41A	30	80	518598	216@0	DFT_QPSK	17.98
DC_5A_n41A	30	80	518598	108@54	DFT_QPSK	19
DC_5A_n41A	30	80	518598	1@1	DFT_QPSK	18.57
DC_5A_n41A	30	80	518598	1@215	DFT_QPSK	19.58
DC_5A_n41A	30	80	518598	216@0	DFT_16QAM	17.01
DC_5A_n41A	30	80	518598	108@54	DFT_16QAM	18
DC_5A_n41A	30	80	518598	1@1	DFT_16QAM	17.35
DC_5A_n41A	30	80	518598	1@215	DFT_16QAM	18.38
DC_5A_n41A	30	80	518598	216@0	DFT_64QAM	16.48
DC_5A_n41A	30	80	518598	108@54	DFT_64QAM	16.53
DC_5A_n41A	30	80	518598	1@1	DFT_64QAM	15.98
DC_5A_n41A	30	80	518598	1@215	DFT_64QAM	17.03
DC_5A_n41A	30	80	518598	216@0	DFT_256QAM	14.52
DC_5A_n41A	30	80	518598	108@54	DFT_256QAM	14.5
DC_5A_n41A	30	80	518598	1@1	DFT_256QAM	14.02
DC_5A_n41A	30	80	518598	1@215	DFT_256QAM	15.09
DC_5A_n41A	30	80	518598	217@0	CP_QPSK	16.01
DC_5A_n41A	30	80	518598	109@54	CP_QPSK	17.48
DC_5A_n41A	30	80	518598	1@1	CP_QPSK	17.04
DC_5A_n41A	30	80	518598	1@215	CP_QPSK	18.15
DC_5A_n41A	30	80	529998	216@0	DFT_BPSK	19.03
DC_5A_n41A	30	80	529998	108@54	DFT_BPSK	19.61
DC_5A_n41A	30	80	529998	1@1	DFT_BPSK	19.24
DC_5A_n41A	30	80	529998	1@215	DFT_BPSK	19.37
DC_5A_n41A	30	80	529998	216@0	DFT_QPSK	18.55
DC_5A_n41A	30	80	529998	108@54	DFT_QPSK	19.59
DC_5A_n41A	30	80	529998	1@1	DFT_QPSK	19.37
DC_5A_n41A	30	80	529998	1@215	DFT_QPSK	19.48
DC_5A_n41A	30	80	529998	216@0	DFT_16QAM	17.57
DC_5A_n41A	30	80	529998	108@54	DFT_16QAM	18.6
DC_5A_n41A	30	80	529998	1@1	DFT_16QAM	18.23
DC_5A_n41A	30	80	529998	1@215	DFT_16QAM	18.28
DC_5A_n41A	30	80	529998	216@0	DFT_64QAM	17.06
DC_5A_n41A	30	80	529998	108@54	DFT_64QAM	17.12
DC_5A_n41A	30	80	529998	1@1	DFT_64QAM	16.82
DC_5A_n41A	30	80	529998	1@215	DFT_64QAM	17.03
DC_5A_n41A	30	80	529998	216@0	DFT_256QAM	15.09
DC_5A_n41A	30	80	529998	108@54	DFT_256QAM	15.13
DC_5A_n41A	30	80	529998	1@1	DFT_256QAM	14.85
DC_5A_n41A	30	80	529998	1@215	DFT_256QAM	15.02
DC_5A_n41A	30	80	529998	217@0	CP_QPSK	16.56
DC_5A_n41A	30	80	529998	109@54	CP_QPSK	18.11



DC_5A_n41A	30	80	529998	1@1	CP_QPSK	17.94
DC_5A_n41A	30	80	529998	1@215	CP_QPSK	18.11
DC_5A_n41A	30	90	508200	243@0	DFT_BPSK	18.1
DC_5A_n41A	30	90	508200	120@60	DFT_BPSK	18.64
DC_5A_n41A	30	90	508200	1@1	DFT_BPSK	18.52
DC_5A_n41A	30	90	508200	1@243	DFT_BPSK	18.75
DC_5A_n41A	30	90	508200	243@0	DFT_QPSK	17.62
DC_5A_n41A	30	90	508200	120@60	DFT_QPSK	18.64
DC_5A_n41A	30	90	508200	1@1	DFT_QPSK	18.64
DC_5A_n41A	30	90	508200	1@243	DFT_QPSK	18.93
DC_5A_n41A	30	90	508200	243@0	DFT_16QAM	16.6
DC_5A_n41A	30	90	508200	120@60	DFT_16QAM	17.61
DC_5A_n41A	30	90	508200	1@1	DFT_16QAM	17.45
DC_5A_n41A	30	90	508200	1@243	DFT_16QAM	17.71
DC_5A_n41A	30	90	508200	243@0	DFT_64QAM	16.11
DC_5A_n41A	30	90	508200	120@60	DFT_64QAM	16.15
DC_5A_n41A	30	90	508200	1@1	DFT_64QAM	16.14
DC_5A_n41A	30	90	508200	1@243	DFT_64QAM	16.42
DC_5A_n41A	30	90	508200	243@0	DFT_256QAM	14.1
DC_5A_n41A	30	90	508200	120@60	DFT_256QAM	14.14
DC_5A_n41A	30	90	508200	1@1	DFT_256QAM	14.12
DC_5A_n41A	30	90	508200	1@243	DFT_256QAM	14.37
DC_5A_n41A	30	90	508200	245@0	CP_QPSK	15.6
DC_5A_n41A	30	90	508200	123@61	CP_QPSK	17.11
DC_5A_n41A	30	90	508200	1@1	CP_QPSK	17.21
DC_5A_n41A	30	90	508200	1@243	CP_QPSK	17.49
DC_5A_n41A	30	90	518598	243@0	DFT_BPSK	18.48
DC_5A_n41A	30	90	518598	120@60	DFT_BPSK	18.99
DC_5A_n41A	30	90	518598	1@1	DFT_BPSK	18.43
DC_5A_n41A	30	90	518598	1@243	DFT_BPSK	19.56
DC_5A_n41A	30	90	518598	243@0	DFT_QPSK	17.99
DC_5A_n41A	30	90	518598	120@60	DFT_QPSK	18.97
DC_5A_n41A	30	90	518598	1@1	DFT_QPSK	18.56
DC_5A_n41A	30	90	518598	1@243	DFT_QPSK	19.67
DC_5A_n41A	30	90	518598	243@0	DFT_16QAM	17.01
DC_5A_n41A	30	90	518598	120@60	DFT_16QAM	18
DC_5A_n41A	30	90	518598	1@1	DFT_16QAM	17.32
DC_5A_n41A	30	90	518598	1@243	DFT_16QAM	18.42
DC_5A_n41A	30	90	518598	243@0	DFT_64QAM	16.5
DC_5A_n41A	30	90	518598	120@60	DFT_64QAM	16.5
DC_5A_n41A	30	90	518598	1@1	DFT_64QAM	16.06
DC_5A_n41A	30	90	518598	1@243	DFT_64QAM	17.15
DC_5A_n41A	30	90	518598	243@0	DFT_256QAM	14.51
DC_5A_n41A	30	90	518598	120@60	DFT_256QAM	14.52
DC_5A_n41A	30	90	518598	1@1	DFT_256QAM	14.01
DC_5A_n41A	30	90	518598	1@243	DFT_256QAM	15.11
DC_5A_n41A	30	90	518598	245@0	CP_QPSK	15.99
DC_5A_n41A	30	90	518598	123@61	CP_QPSK	17.52



DC_5A_n41A	30	90	518598	1@1	CP_QPSK	17.17
DC_5A_n41A	30	90	518598	1@243	CP_QPSK	18.26
DC_5A_n41A	30	90	528996	243@0	DFT_BPSK	18.95
DC_5A_n41A	30	90	528996	120@60	DFT_BPSK	19.57
DC_5A_n41A	30	90	528996	1@1	DFT_BPSK	19.01
DC_5A_n41A	30	90	528996	1@243	DFT_BPSK	19.34
DC_5A_n41A	30	90	528996	243@0	DFT_QPSK	18.49
DC_5A_n41A	30	90	528996	120@60	DFT_QPSK	19.54
DC_5A_n41A	30	90	528996	1@1	DFT_QPSK	19.16
DC_5A_n41A	30	90	528996	1@243	DFT_QPSK	19.45
DC_5A_n41A	30	90	528996	243@0	DFT_16QAM	17.48
DC_5A_n41A	30	90	528996	120@60	DFT_16QAM	18.57
DC_5A_n41A	30	90	528996	1@1	DFT_16QAM	17.92
DC_5A_n41A	30	90	528996	1@243	DFT_16QAM	18.25
DC_5A_n41A	30	90	528996	243@0	DFT_64QAM	16.98
DC_5A_n41A	30	90	528996	120@60	DFT_64QAM	17.1
DC_5A_n41A	30	90	528996	1@1	DFT_64QAM	16.69
DC_5A_n41A	30	90	528996	1@243	DFT_64QAM	16.94
DC_5A_n41A	30	90	528996	243@0	DFT_256QAM	15
DC_5A_n41A	30	90	528996	120@60	DFT_256QAM	15.1
DC_5A_n41A	30	90	528996	1@1	DFT_256QAM	14.6
DC_5A_n41A	30	90	528996	1@243	DFT_256QAM	14.95
DC_5A_n41A	30	90	528996	245@0	CP_QPSK	16.49
DC_5A_n41A	30	90	528996	123@61	CP_QPSK	18.07
DC_5A_n41A	30	90	528996	1@1	CP_QPSK	17.71
DC_5A_n41A	30	90	528996	1@243	CP_QPSK	18.13
DC_5A_n41A	30	100	509202	270@0	DFT_BPSK	18.12
DC_5A_n41A	30	100	509202	135@67	DFT_BPSK	18.64
DC_5A_n41A	30	100	509202	1@1	DFT_BPSK	18.51
DC_5A_n41A	30	100	509202	1@271	DFT_BPSK	18.91
DC_5A_n41A	30	100	509202	270@0	DFT_QPSK	17.64
DC_5A_n41A	30	100	509202	135@67	DFT_QPSK	18.62
DC_5A_n41A	30	100	509202	1@1	DFT_QPSK	18.59
DC_5A_n41A	30	100	509202	1@271	DFT_QPSK	19.04
DC_5A_n41A	30	100	509202	270@0	DFT_16QAM	16.6
DC_5A_n41A	30	100	509202	135@67	DFT_16QAM	17.62
DC_5A_n41A	30	100	509202	1@1	DFT_16QAM	17.35
DC_5A_n41A	30	100	509202	1@271	DFT_16QAM	17.83
DC_5A_n41A	30	100	509202	270@0	DFT_64QAM	16.1
DC_5A_n41A	30	100	509202	135@67	DFT_64QAM	16.15
DC_5A_n41A	30	100	509202	1@1	DFT_64QAM	16.07
DC_5A_n41A	30	100	509202	1@271	DFT_64QAM	16.5
DC_5A_n41A	30	100	509202	270@0	DFT_256QAM	14.08
DC_5A_n41A	30	100	509202	135@67	DFT_256QAM	14.15
DC_5A_n41A	30	100	509202	1@1	DFT_256QAM	14.08
DC_5A_n41A	30	100	509202	1@271	DFT_256QAM	14.51
DC_5A_n41A	30	100	509202	273@0	CP_QPSK	15.62
DC_5A_n41A	30	100	509202	137@68	CP_QPSK	17.09



DC_5A_n41A	30	100	509202	1@1	CP_QPSK	17.22
DC_5A_n41A	30	100	509202	1@271	CP_QPSK	17.59
DC_5A_n41A	30	100	518598	270@0	DFT_BPSK	18.49
DC_5A_n41A	30	100	518598	135@67	DFT_BPSK	18.98
DC_5A_n41A	30	100	518598	1@1	DFT_BPSK	18.37
DC_5A_n41A	30	100	518598	1@271	DFT_BPSK	19.51
DC_5A_n41A	30	100	518598	270@0	DFT_QPSK	17.95
DC_5A_n41A	30	100	518598	135@67	DFT_QPSK	18.98
DC_5A_n41A	30	100	518598	1@1	DFT_QPSK	18.48
DC_5A_n41A	30	100	518598	1@271	DFT_QPSK	19.63
DC_5A_n41A	30	100	518598	270@0	DFT_16QAM	16.98
DC_5A_n41A	30	100	518598	135@67	DFT_16QAM	18
DC_5A_n41A	30	100	518598	1@1	DFT_16QAM	17.28
DC_5A_n41A	30	100	518598	1@271	DFT_16QAM	18.36
DC_5A_n41A	30	100	518598	270@0	DFT_64QAM	16.48
DC_5A_n41A	30	100	518598	135@67	DFT_64QAM	16.52
DC_5A_n41A	30	100	518598	1@1	DFT_64QAM	16.02
DC_5A_n41A	30	100	518598	1@271	DFT_64QAM	16.98
DC_5A_n41A	30	100	518598	270@0	DFT_256QAM	14.5
DC_5A_n41A	30	100	518598	135@67	DFT_256QAM	14.51
DC_5A_n41A	30	100	518598	1@1	DFT_256QAM	13.92
DC_5A_n41A	30	100	518598	1@271	DFT_256QAM	15.11
DC_5A_n41A	30	100	518598	273@0	CP_QPSK	16
DC_5A_n41A	30	100	518598	137@68	CP_QPSK	17.5
DC_5A_n41A	30	100	518598	1@1	CP_QPSK	17.08
DC_5A_n41A	30	100	518598	1@271	CP_QPSK	18.22
DC_5A_n41A	30	100	528000	270@0	DFT_BPSK	18.93
DC_5A_n41A	30	100	528000	135@67	DFT_BPSK	19.56
DC_5A_n41A	30	100	528000	1@1	DFT_BPSK	18.75
DC_5A_n41A	30	100	528000	1@271	DFT_BPSK	19.33
DC_5A_n41A	30	100	528000	270@0	DFT_QPSK	18.44
DC_5A_n41A	30	100	528000	135@67	DFT_QPSK	19.51
DC_5A_n41A	30	100	528000	1@1	DFT_QPSK	18.91
DC_5A_n41A	30	100	528000	1@271	DFT_QPSK	19.49
DC_5A_n41A	30	100	528000	270@0	DFT_16QAM	17.44
DC_5A_n41A	30	100	528000	135@67	DFT_16QAM	18.53
DC_5A_n41A	30	100	528000	1@1	DFT_16QAM	17.7
DC_5A_n41A	30	100	528000	1@271	DFT_16QAM	18.23
DC_5A_n41A	30	100	528000	270@0	DFT_64QAM	16.94
DC_5A_n41A	30	100	528000	135@67	DFT_64QAM	17.06
DC_5A_n41A	30	100	528000	1@1	DFT_64QAM	16.41
DC_5A_n41A	30	100	528000	1@271	DFT_64QAM	17.04
DC_5A_n41A	30	100	528000	270@0	DFT_256QAM	14.95
DC_5A_n41A	30	100	528000	135@67	DFT_256QAM	15.07
DC_5A_n41A	30	100	528000	1@1	DFT_256QAM	14.42
DC_5A_n41A	30	100	528000	1@271	DFT_256QAM	15.02
DC_5A_n41A	30	100	528000	273@0	CP_QPSK	16.43
DC_5A_n41A	30	100	528000	137@68	CP_QPSK	18.03



DC_5A_n41A	30	100	528000	1@1	CP_QPSK	17.49
DC_5A_n41A	30	100	528000	1@271	CP_QPSK	18.07

11. EUT and Test Setup Photo

11.1 EUT Photos

Front side

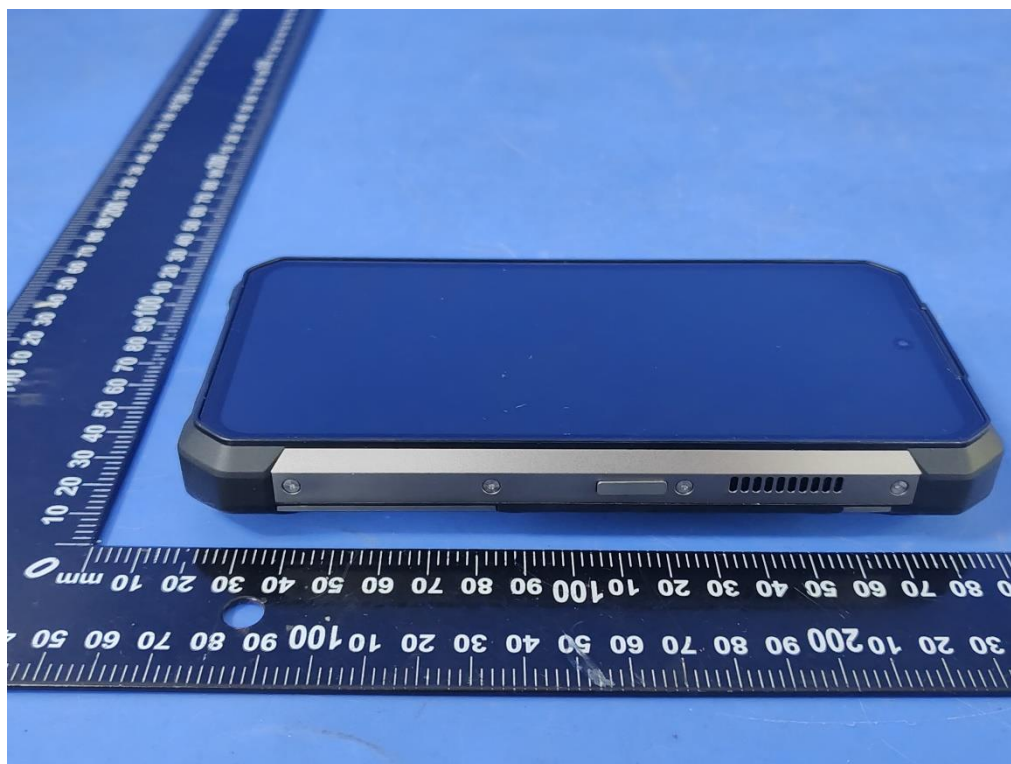


Back side

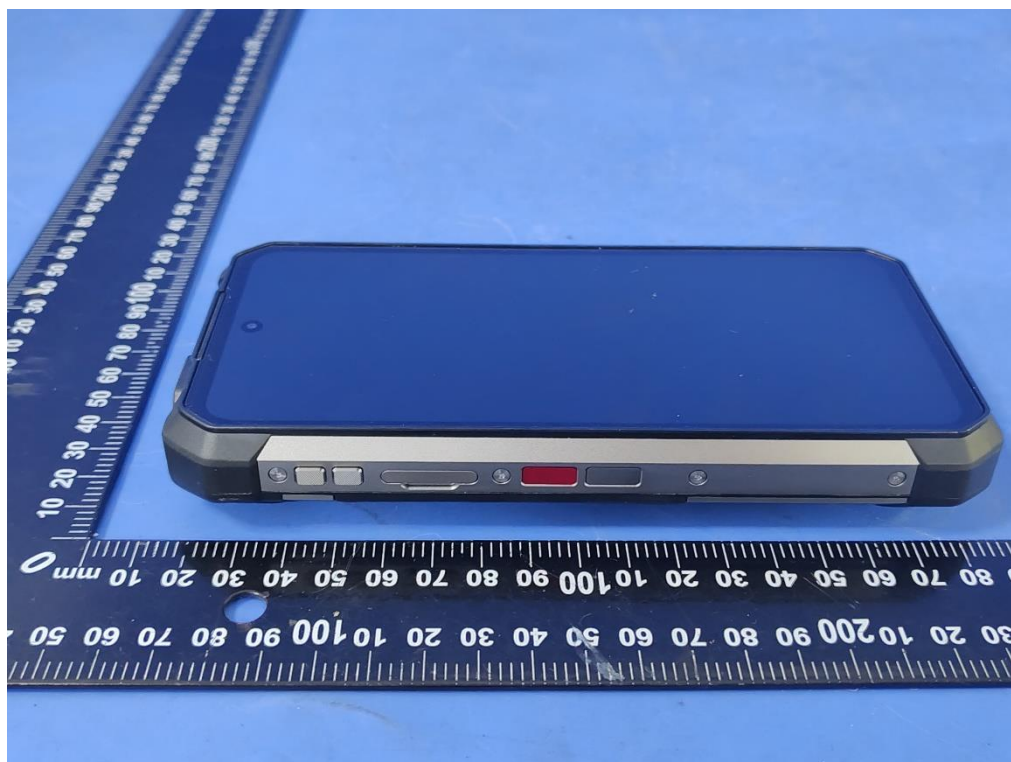




Right Edge



Left Edge





Top Edge



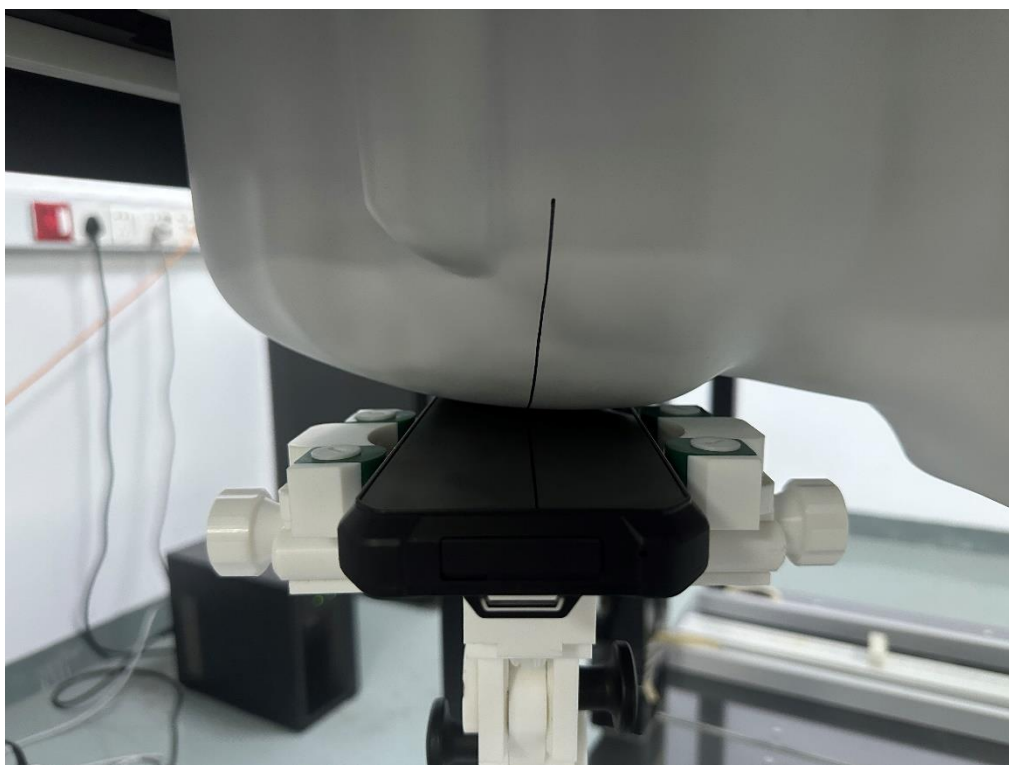
Bottom Edge



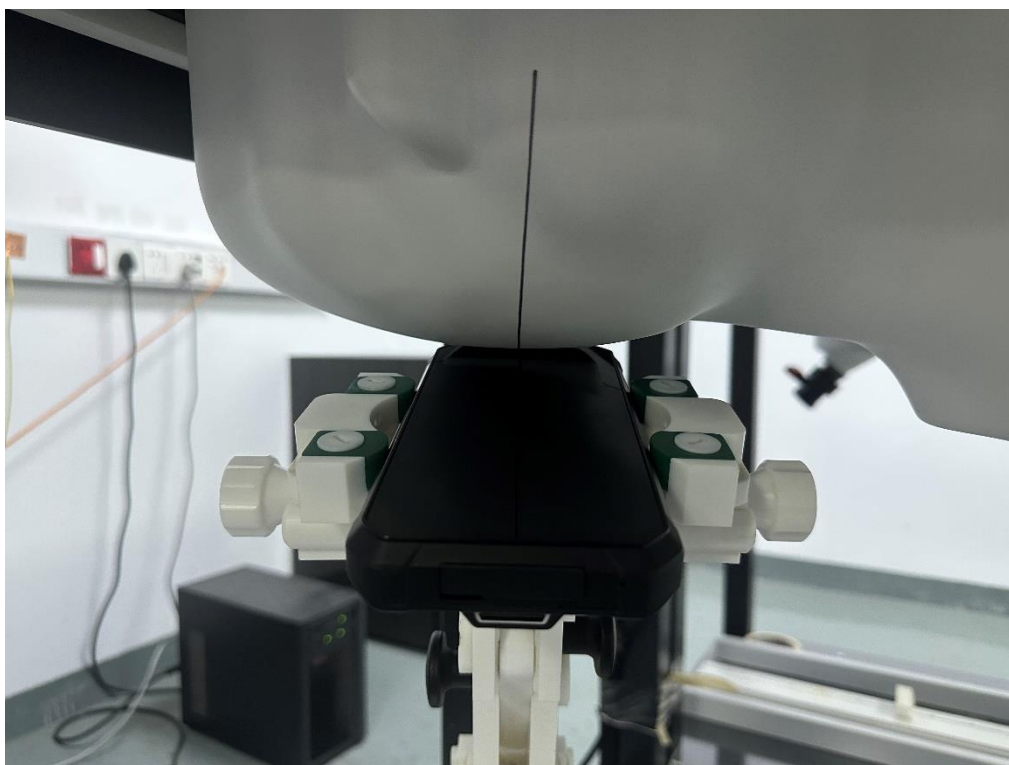


11.2 Setup Photos

Right Touch



Right Tilt

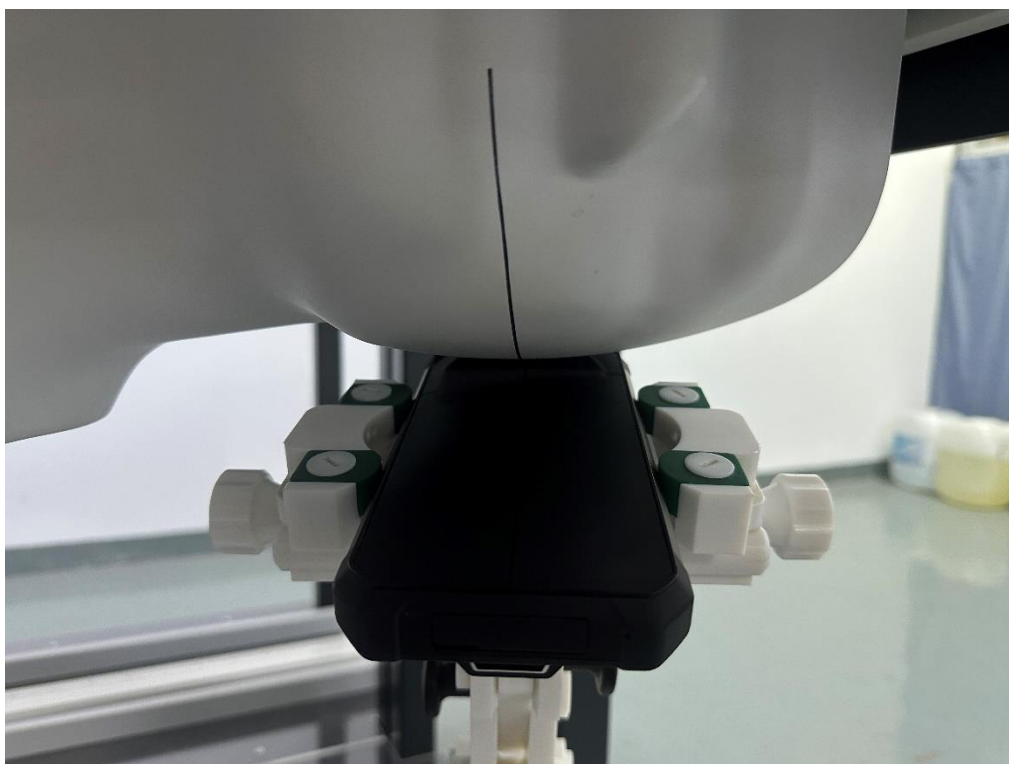




Left Touch

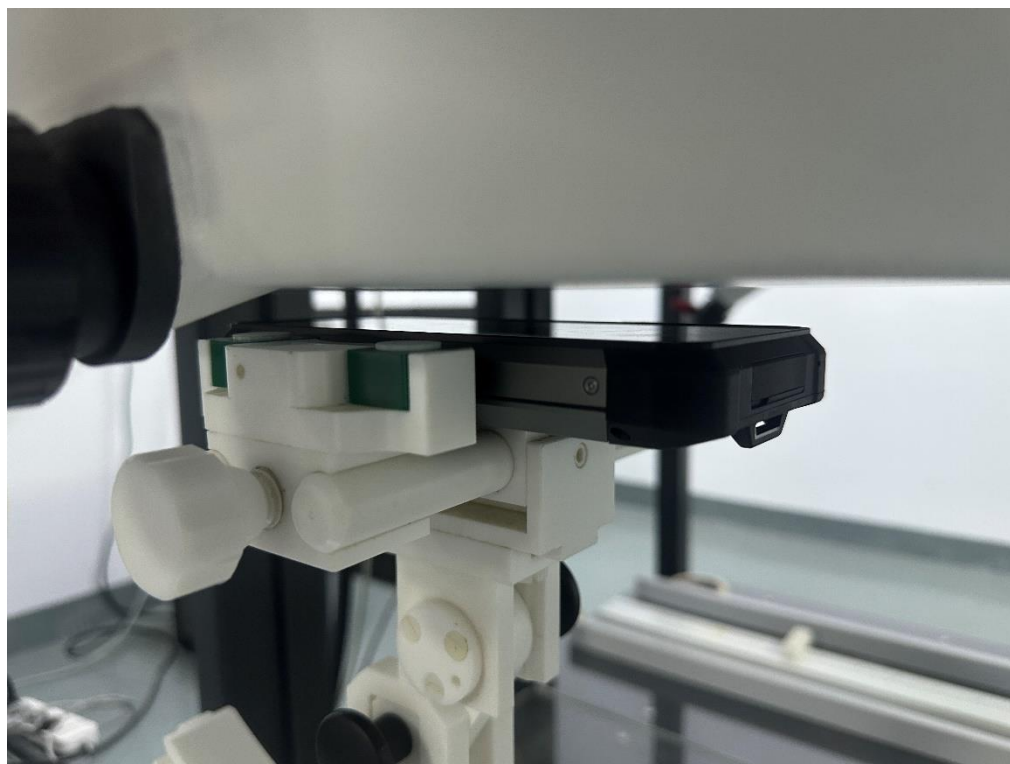


Left Tilt

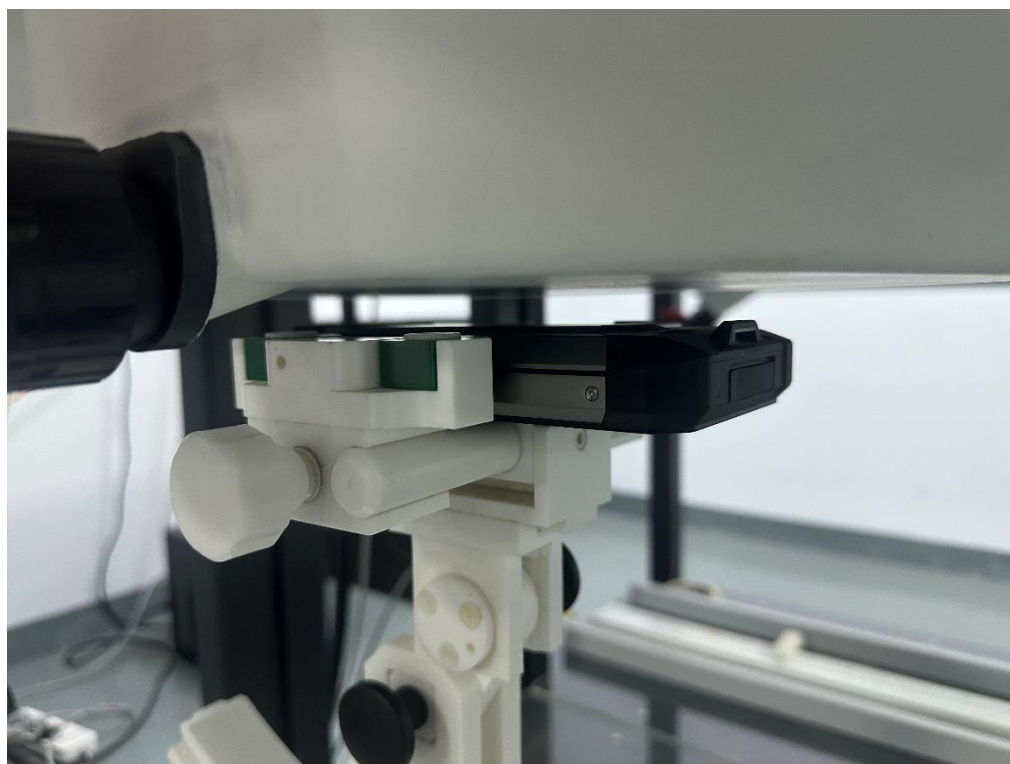




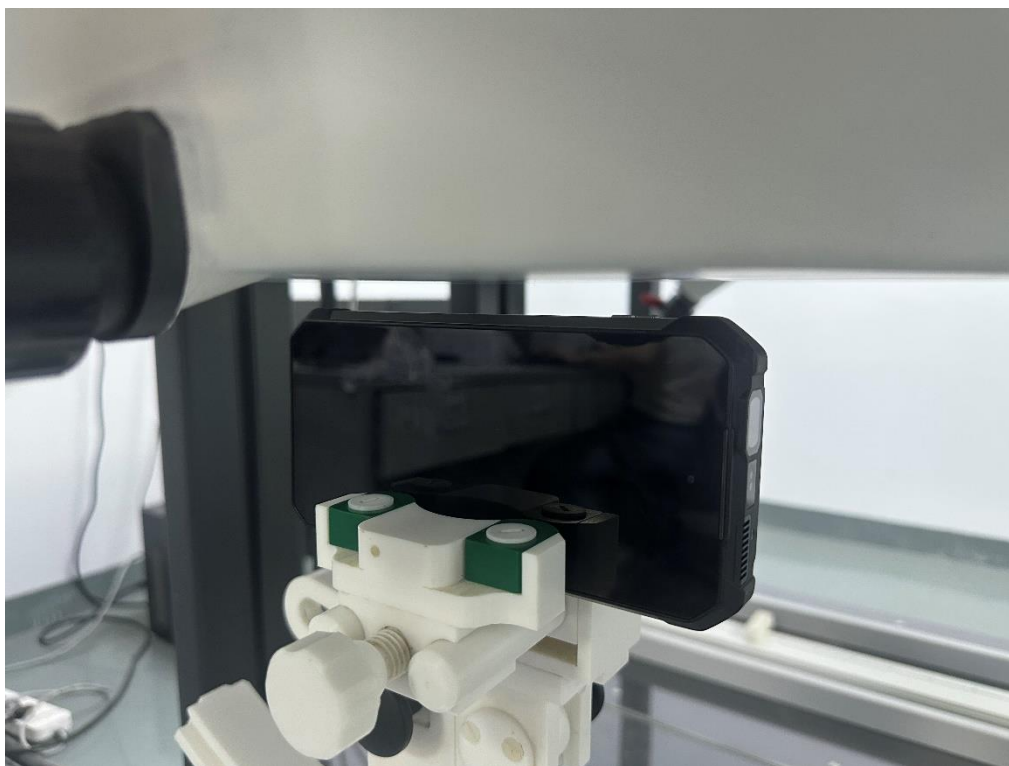
Body Front side (separation distance is 10mm)



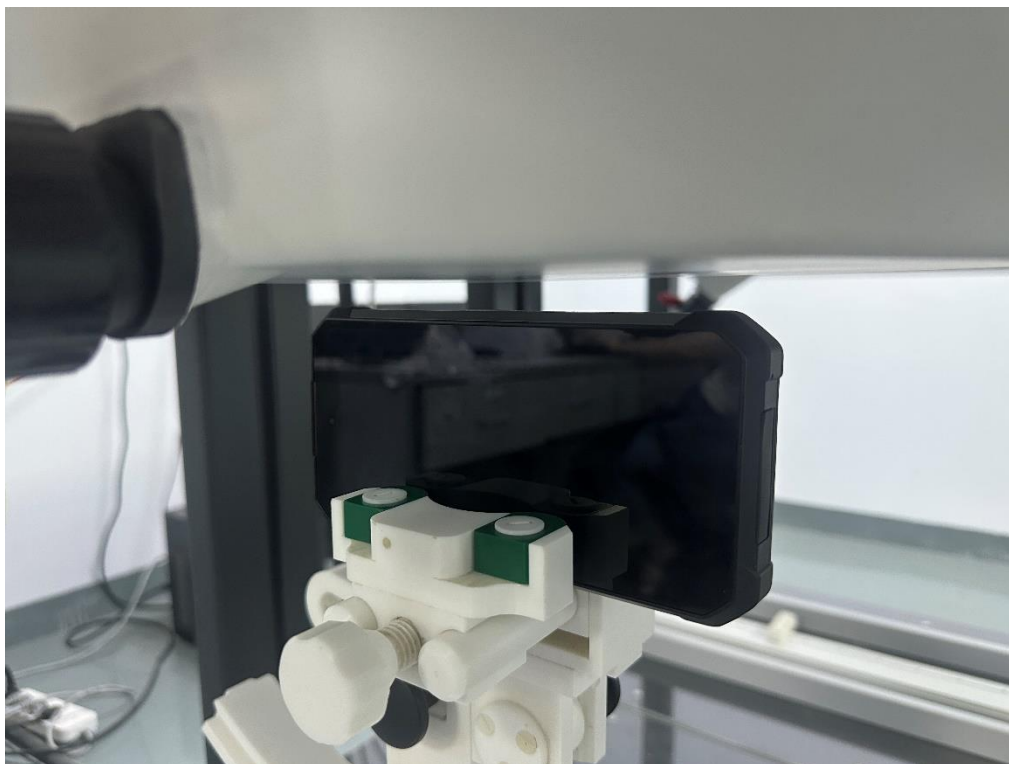
Body Back side (separation distance 10mm)



Body Left side (separation distance is 10mm)



Body Right side (separation distance is 10mm)





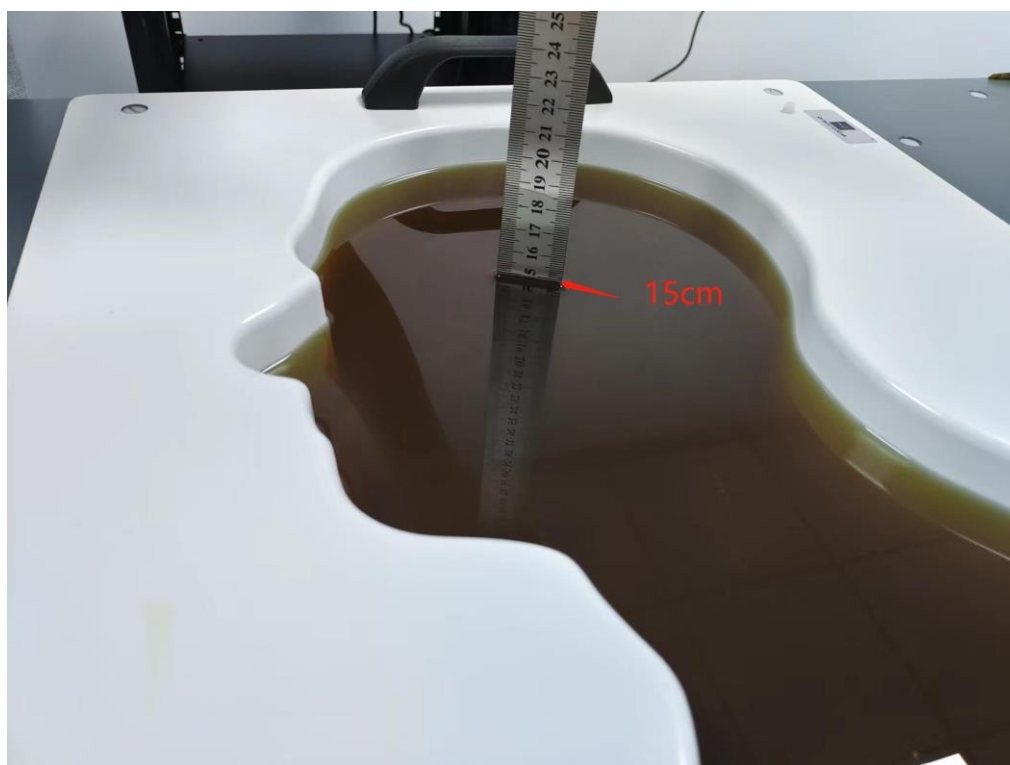
Body Top side (separation distance is 10mm)



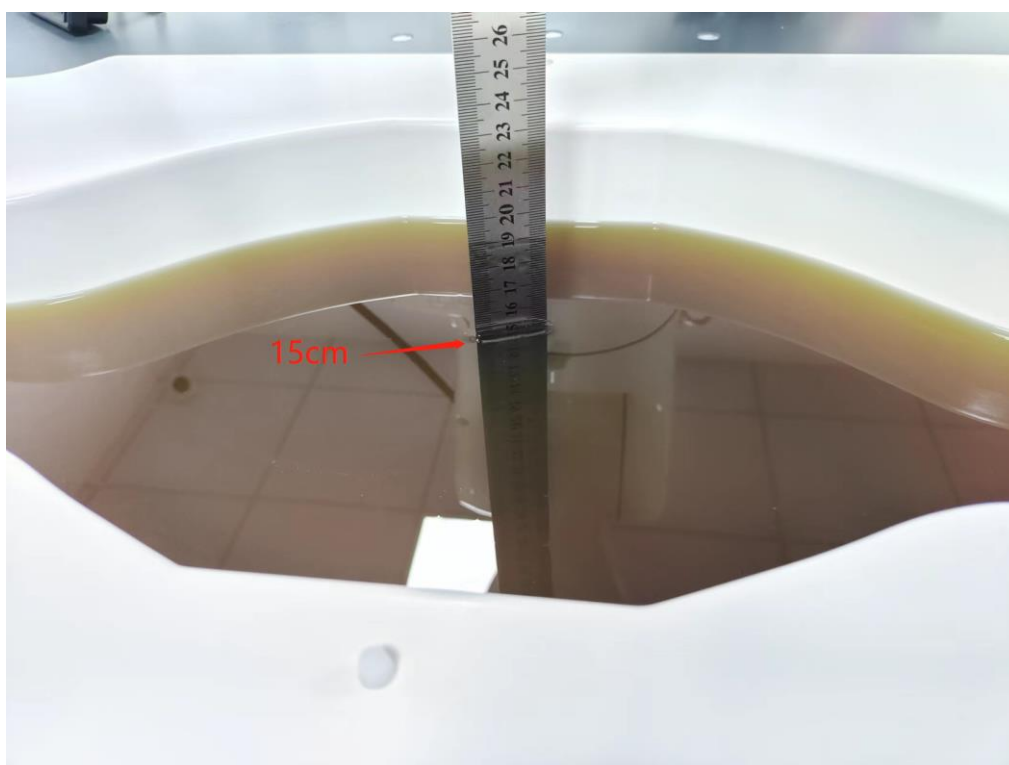
Body Bottom side (separation distance is 10mm)



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	0.110	0.06	32.40	32.20	1.047	0.115	/
		Right Tilt	836.6	0.095	1.29	32.40	32.20	1.047	0.099	/
		Left Cheek	836.6	0.152	0.40	32.40	32.20	1.047	0.159	1
		Left Tilt	836.6	0.134	-0.67	32.40	32.20	1.047	0.140	/
PCS 1900	GSM	Right Cheek	1880	0.063	1.54	28.50	28.44	1.014	0.064	/
		Right Tilt	1880	0.055	-2.88	28.50	28.44	1.014	0.056	/
		Left Cheek	1880	0.083	-3.94	28.50	28.44	1.014	0.084	3
		Left Tilt	1880	0.070	-3.93	28.50	28.44	1.014	0.071	/
WCDMA Band II	RMC	Right Cheek	1880	0.096	3.15	18.90	18.77	1.030	0.099	/
		Right Tilt	1880	0.085	1.28	18.90	18.77	1.030	0.088	/
		Left Cheek	1880	0.133	0.98	18.90	18.77	1.030	0.137	5
		Left Tilt	1880	0.118	-2.87	18.90	18.77	1.030	0.122	/
WCDMA Band IV	RMC	Right Cheek	1712.6	0.125	-3.70	21.50	21.46	1.009	0.126	/
		Right Tilt	1712.6	0.109	-2.66	21.50	21.46	1.009	0.110	/
		Left Cheek	1712.6	0.179	3.31	21.50	21.46	1.009	0.181	7
		Left Tilt	1712.6	0.155	2.96	21.50	21.46	1.009	0.156	/
WCDMA Band V	RMC	Right Cheek	846.6	0.096	0.67	24.50	24.25	1.059	0.102	/
		Right Tilt	846.6	0.085	3.70	24.50	24.25	1.059	0.090	/
		Left Cheek	846.6	0.156	-3.32	24.50	24.25	1.059	0.165	9
		Left Tilt	846.6	0.137	2.66	24.50	24.25	1.059	0.145	/
2.4GHz WLAN ANT 1	802.11b	Right Cheek	2462	0.217	-3.54	15.80	15.64	1.038	0.225	11
		Right Tilt	2462	0.176	-3.86	15.80	15.64	1.038	0.183	/
		Left Cheek	2462	0.213	3.20	15.80	15.64	1.038	0.221	/
		Left Tilt	2462	0.153	3.46	15.80	15.64	1.038	0.159	/
2.4GHz WLAN ANT 2	802.11b	Right Cheek	2412	0.091	2.97	14.00	13.72	1.067	0.097	13
		Right Tilt	2412	0.076	2.55	14.00	13.72	1.067	0.081	/
		Left Cheek	2412	0.058	1.26	14.00	13.72	1.067	0.062	/
		Left Tilt	2412	0.045	-0.07	14.00	13.72	1.067	0.048	/
2.4GHz WLAN MIMO 1	802.11ac-VHT40	Right Cheek	2422	0.142	1.95	15.30	15.13	1.040	0.148	15
		Right Tilt	2422	0.118	1.06	15.30	15.13	1.040	0.123	/
		Left Cheek	2422	0.123	-2.47	15.30	15.13	1.040	0.128	/
		Left Tilt	2422	0.090	-2.56	15.30	15.13	1.040	0.094	/
2.4GHz WLAN MIMO 2	802.11ac-VHT40	Right Cheek	2422	0.125	-1.84	15.30	15.13	1.040	0.130	/
		Right Tilt	2422	0.105	-0.26	15.30	15.13	1.040	0.109	/
		Left Cheek	2422	0.154	-0.16	15.30	15.13	1.040	0.160	17
		Left Tilt	2422	0.109	3.96	15.30	15.13	1.040	0.113	/
5.2GHz WLAN ANT 1	802.11a	Right Cheek	5240	0.317	3.14	16.50	16.30	1.047	0.332	/
		Right Tilt	5240	0.257	-2.83	16.50	16.30	1.047	0.269	/
		Left Cheek	5240	0.405	-3.88	16.50	16.30	1.047	0.424	19
		Left Tilt	5240	0.286	3.42	16.50	16.30	1.047	0.299	/



5.2GHz WLAN ANT 2	802.11a	Right Cheek	5240	0.566	2.01	14.50	14.37	1.030	0.583	21
		Right Tilt	5240	0.454	3.17	14.50	14.37	1.030	0.468	/
		Left Cheek	5240	0.443	0.45	14.50	14.37	1.030	0.456	/
		Left Tilt	5240	0.314	-1.74	14.50	14.37	1.030	0.324	/
5.2GHz WLAN MIMO 1	802.11n- HT20	Right Cheek	5240	0.378	1.26	16.00	15.76	1.057	0.399	/
		Right Tilt	5240	0.305	-2.87	16.00	15.76	1.057	0.322	/
		Left Cheek	5240	0.480	2.04	16.00	15.76	1.057	0.507	23
		Left Tilt	5240	0.339	-0.97	16.00	15.76	1.057	0.358	/
5.2GHz WLAN MIMO 2	802.11n- HT20	Right Cheek	5240	0.142	-3.30	16.00	15.76	1.057	0.150	25
		Right Tilt	5240	0.116	-1.85	16.00	15.76	1.057	0.123	/
		Left Cheek	5240	0.112	-3.16	16.00	15.76	1.057	0.118	/
		Left Tilt	5240	0.080	1.40	16.00	15.76	1.057	0.085	/
5.3GHz WLAN ANT 1	802.11a	Right Cheek	5320	0.367	3.97	16.88	16.07	1.205	0.442	/
		Right Tilt	5320	0.297	-1.78	16.88	16.07	1.205	0.358	/
		Left Cheek	5320	0.465	-1.40	16.88	16.07	1.205	0.560	27
		Left Tilt	5320	0.327	-1.32	16.88	16.07	1.205	0.394	/
5.3GHz WLAN ANT 2	802.11a	Right Cheek	5260	0.694	-2.96	15.00	14.85	1.035	0.718	29
		Right Tilt	5260	0.560	-0.12	15.00	14.85	1.035	0.580	/
		Left Cheek	5260	0.544	-1.84	15.00	14.85	1.035	0.563	/
		Left Tilt	5260	0.385	-2.15	15.00	14.85	1.035	0.399	/
5.3GHz WLAN MIMO 1	802.11ax- HE20	Right Cheek	5260	0.183	-3.21	13.70	13.52	1.042	0.191	/
		Right Tilt	5260	0.149	2.56	13.70	13.52	1.042	0.155	/
		Left Cheek	5260	0.232	1.98	13.70	13.52	1.042	0.242	31
		Left Tilt	5260	0.164	0.15	13.70	13.52	1.042	0.171	/
5.3GHz WLAN MIMO 2	802.11ax- HE20	Right Cheek	5260	0.481	3.33	13.70	13.52	1.042	0.501	33
		Right Tilt	5260	0.389	2.70	13.70	13.52	1.042	0.405	/
		Left Cheek	5260	0.379	0.25	13.70	13.52	1.042	0.395	/
		Left Tilt	5260	0.267	-3.83	13.70	13.52	1.042	0.278	/
5.6GHz WLAN ANT 1	802.11a	Right Cheek	5580	0.518	0.34	16.80	16.61	1.045	0.541	/
		Right Tilt	5580	0.419	1.81	16.80	16.61	1.045	0.438	/
		Left Cheek	5580	0.660	-1.72	16.80	16.61	1.045	0.690	35
		Left Tilt	5580	0.464	-0.96	16.80	16.61	1.045	0.485	/
5.6GHz WLAN ANT 2	802.11a	Right Cheek	5580	0.505	3.70	14.70	14.59	1.026	0.518	37
		Right Tilt	5580	0.407	0.88	14.70	14.59	1.026	0.417	/
		Left Cheek	5580	0.397	0.95	14.70	14.59	1.026	0.407	/
		Left Tilt	5580	0.284	0.60	14.70	14.59	1.026	0.291	/
5.6GHz WLAN MIMO 1	802.11ac- VHT20	Right Cheek	5700	0.285	-1.32	14.30	14.13	1.040	0.296	/
		Right Tilt	5700	0.232	-2.94	14.30	14.13	1.040	0.241	/
		Left Cheek	5700	0.364	2.25	14.30	14.13	1.040	0.379	39
		Left Tilt	5700	0.260	-0.60	14.30	14.13	1.040	0.270	/
5.6GHz WLAN MIMO 2	802.11ac- VHT20	Right Cheek	5700	0.246	1.85	14.30	14.13	1.040	0.256	41
		Right Tilt	5700	0.200	1.31	14.30	14.13	1.040	0.208	/
		Left Cheek	5700	0.195	-1.73	14.30	14.13	1.040	0.203	/
		Left Tilt	5700	0.137	-1.64	14.30	14.13	1.040	0.142	/
5.8GHz WLAN ANT 1	802.11a	Right Cheek	5745	0.484	0.35	16.00	15.78	1.052	0.509	/
		Right Tilt	5745	0.390	-2.53	16.00	15.78	1.052	0.410	/
		Left Cheek	5745	0.616	-1.63	16.00	15.78	1.052	0.648	43
		Left Tilt	5745	0.435	1.75	16.00	15.78	1.052	0.458	/



5.8GHz WLAN ANT 2	802.11a	Right Cheek	5745	0.539	2.19	14.30	14.15	1.035	0.558	45
		Right Tilt	5745	0.434	-1.49	14.30	14.15	1.035	0.449	/
		Left Cheek	5745	0.421	0.91	14.30	14.15	1.035	0.436	/
		Left Tilt	5745	0.298	-0.77	14.30	14.15	1.035	0.308	/
5.8GHz WLAN MIMO 1	802.11n- HT20	Right Cheek	5825	0.506	0.75	13.70	13.53	1.040	0.526	47
		Right Tilt	5825	0.410	-0.15	13.70	13.53	1.040	0.426	/
		Left Cheek	5825	0.399	0.22	13.70	13.53	1.040	0.415	/
		Left Tilt	5825	0.280	-3.66	13.70	13.53	1.040	0.291	/
5.8GHz WLAN MIMO 2	802.11n- HT20	Right Cheek	5825	0.210	3.74	13.70	13.53	1.040	0.218	49
		Right Tilt	5825	0.173	-3.36	13.70	13.53	1.040	0.180	/
		Left Cheek	5825	0.165	-2.43	13.70	13.53	1.040	0.172	/
		Left Tilt	5825	0.116	1.88	13.70	13.53	1.040	0.121	/
BT	GFSK	Right Cheek	2441	0.097	2.81	8.50	8.21	1.069	0.104	/
		Right Tilt	2441	0.061	-2.82	8.50	8.21	1.069	0.065	/
		Left Cheek	2441	0.105	-2.22	8.50	8.21	1.069	0.112	97
		Left Tilt	2441	0.082	3.97	8.50	8.21	1.069	0.088	/

Band	Mode	Max SAR	WIFI MIMO
		(W/Kg)	
2.4G WLAN	802.11ac-VHT40	0.148	0.308
	802.11ac-VHT40	0.160	
5.2G WLAN	802.11n-HT20	0.507	0.657
	802.11n-HT20	0.150	
5.3G WLAN	802.11ax-HE20	0.242	0.743
	802.11ax-HE20	0.501	
5.3G WLAN	802.11ax-HE20 Right Cheek	0.191	0.692
	802.11ax-HE20 Right Cheek	0.501	
5.3G WLAN	802.11ax-HE20 Left Cheek	0.242	0.637
	802.11ax-HE20 Left Cheek	0.395	
5.6G WLAN	802.11ac-VHT20	0.379	0.635
	802.11ac-VHT20	0.256	
5.8G WLAN	802.11n-HT20	0.526	0.744
	802.11n-HT20	0.218	
5.8G WLAN	802.11n-HT20 Right Cheek	0.526	0.744
	802.11n-HT20 Right Cheek	0.218	
5.8G WLAN	802.11n-HT20 Left Cheek	0.415	0.587
	802.11n-HT20 Left Cheek	0.172	



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	99	Right Cheek	1860	0.099	-2.56	18.80	18.67	1.030	0.102	/
			50	0	Right Cheek	1880	0.082	-3.00	17.70	17.54	1.038	0.085	/
			1	99	Right Tilt	1860	0.088	-0.16	18.80	18.67	1.030	0.091	/
			50	0	Right Tilt	1880	0.050	-0.46	17.70	17.54	1.038	0.052	/
			1	99	Left Cheek	1860	0.135	-2.68	18.80	18.67	1.030	0.139	51
			50	0	Left Cheek	1880	0.113	2.27	17.70	17.54	1.038	0.117	/
			1	99	Left Tilt	1860	0.117	3.61	18.80	18.67	1.030	0.121	/
			50	0	Left Tilt	1880	0.072	-1.37	17.70	17.54	1.038	0.075	/
LTE Band 4	20M	QPSK	1	0	Right Cheek	1720	0.212	-2.82	20.30	20.22	1.019	0.216	/
			50	0	Right Cheek	1720	0.175	-2.81	19.20	19.09	1.026	0.179	/
			1	0	Right Tilt	1720	0.184	-0.42	20.30	20.22	1.019	0.187	/
			50	0	Right Tilt	1720	0.108	1.37	19.20	19.09	1.026	0.111	/
			1	0	Left Cheek	1720	0.300	-1.49	20.30	20.22	1.019	0.306	53
			50	0	Left Cheek	1720	0.246	-3.85	19.20	19.09	1.026	0.252	/
			1	0	Left Tilt	1720	0.258	0.38	20.30	20.22	1.019	0.263	/
			50	0	Left Tilt	1720	0.148	-2.43	19.20	19.09	1.026	0.152	/
LTE Band 5	10M	QPSK	1	49	Right Cheek	844	0.076	1.08	24.50	24.34	1.038	0.079	/
			25	24	Right Cheek	829	0.066	1.56	23.50	23.32	1.042	0.069	/
			1	49	Right Tilt	844	0.068	3.01	24.50	24.34	1.038	0.071	/
			25	24	Right Tilt	829	0.044	3.50	23.50	23.32	1.042	0.046	/
			1	49	Left Cheek	844	0.106	-1.53	24.50	24.34	1.038	0.110	55
			25	24	Left Cheek	829	0.089	-3.50	23.50	23.32	1.042	0.093	/
			1	49	Left Tilt	844	0.093	3.99	24.50	24.34	1.038	0.096	/
			25	24	Left Tilt	829	0.054	2.08	23.50	23.32	1.042	0.056	/
LTE Band 7	20M	QPSK	1	99	Right Cheek	2510	0.230	1.95	20.00	19.62	1.091	0.251	/
			50	49	Right Cheek	2510	0.192	3.09	18.50	18.47	1.007	0.193	/
			1	99	Right Tilt	2510	0.199	-3.31	20.00	19.62	1.091	0.217	/
			50	49	Right Tilt	2510	0.119	-3.98	18.50	18.47	1.007	0.120	/
			1	99	Left Cheek	2510	0.322	-0.96	20.00	19.62	1.091	0.351	57
			50	49	Left Cheek	2510	0.266	0.79	18.50	18.47	1.007	0.268	/
			1	99	Left Tilt	2510	0.274	2.77	20.00	19.62	1.091	0.299	/
			50	49	Left Tilt	2510	0.159	-3.60	18.50	18.47	1.007	0.160	/



LTE Band 12	10M	QPSK	1	49	Right Cheek	711	0.067	1.11	24.50	24.27	1.054	0.071	/
			25	24	Right Cheek	707.5	0.054	0.90	23.30	23.14	1.038	0.056	/
			1	49	Right Tilt	711	0.059	0.94	24.50	24.27	1.054	0.062	/
			25	24	Right Tilt	707.5	0.032	2.54	23.30	23.14	1.038	0.033	/
			1	49	Left Cheek	711	0.094	-0.15	24.50	24.27	1.054	0.099	59
			25	24	Left Cheek	707.5	0.079	1.69	23.30	23.14	1.038	0.082	/
			1	49	Left Tilt	711	0.081	2.50	24.50	24.27	1.054	0.085	/
			25	24	Left Tilt	707.5	0.047	3.52	23.30	23.14	1.038	0.049	/
LTE Band 13	10M	QPSK	1	49	Right Cheek	782	0.099	-0.89	24.00	23.96	1.009	0.100	/
			25	24	Right Cheek	782	0.084	2.63	23.00	22.74	1.062	0.089	/
			1	49	Right Tilt	782	0.085	-1.69	24.00	23.96	1.009	0.086	/
			25	24	Right Tilt	782	0.053	2.52	23.00	22.74	1.062	0.056	/
			1	49	Left Cheek	782	0.134	3.18	24.00	23.96	1.009	0.135	61
			25	24	Left Cheek	782	0.112	1.29	23.00	22.74	1.062	0.119	/
			1	49	Left Tilt	782	0.118	-3.37	24.00	23.96	1.009	0.119	/
			25	24	Left Tilt	782	0.067	1.23	23.00	22.74	1.062	0.071	/
LTE Band 17	10M	QPSK	1	49	Right Cheek	711	0.080	-3.28	24.50	24.31	1.045	0.084	/
			25	24	Right Cheek	709	0.069	-2.03	23.30	23.13	1.040	0.072	/
			1	49	Right Tilt	711	0.069	2.49	24.50	24.31	1.045	0.072	/
			25	24	Right Tilt	709	0.044	3.87	23.30	23.13	1.040	0.046	/
			1	49	Left Cheek	711	0.109	2.84	24.50	24.31	1.045	0.114	63
			25	24	Left Cheek	709	0.089	-0.16	23.30	23.13	1.040	0.093	/
			1	49	Left Tilt	711	0.096	-0.67	24.50	24.31	1.045	0.100	/
			25	24	Left Tilt	709	0.054	-3.29	23.30	23.13	1.040	0.056	/
LTE Band 25	20M	QPSK	1	99	Right Cheek	1860	0.104	3.23	18.80	18.62	1.042	0.108	/
			50	0	Right Cheek	1882.5	0.085	-1.38	17.70	17.52	1.042	0.089	/
			1	99	Right Tilt	1860	0.092	-1.40	18.80	18.62	1.042	0.096	/
			50	0	Right Tilt	1882.5	0.054	2.62	17.70	17.52	1.042	0.056	/
			1	99	Left Cheek	1860	0.144	-3.62	18.80	18.62	1.042	0.150	65
			50	0	Left Cheek	1882.5	0.118	-1.20	17.70	17.52	1.042	0.123	/
			1	99	Left Tilt	1860	0.127	-2.11	18.80	18.62	1.042	0.132	/
			50	0	Left Tilt	1882.5	0.073	-2.65	17.70	17.52	1.042	0.076	/



LTE Band 26	15M	QPSK	1	74	Right Cheek	841.5	0.097	1.99	24.50	24.38	1.028	0.100	/
			36	39	Right Cheek	841.5	0.078	1.67	23.50	23.37	1.030	0.080	/
			1	74	Right Tilt	841.5	0.087	3.32	24.50	24.38	1.028	0.089	/
			36	39	Right Tilt	841.5	0.050	-3.12	23.50	23.37	1.030	0.052	/
			1	74	Left Cheek	841.5	0.132	-1.79	24.50	24.38	1.028	0.136	67
			36	39	Left Cheek	841.5	0.107	-3.61	23.50	23.37	1.030	0.110	/
			1	74	Left Tilt	841.5	0.117	-2.67	24.50	24.38	1.028	0.120	/
			36	39	Left Tilt	841.5	0.065	-3.63	23.50	23.37	1.030	0.067	/
LTE Band 38	20M	QPSK	1	99	Right Cheek	2610	0.281	-3.01	25.80	25.60	1.047	0.294	/
			50	49	Right Cheek	2610	0.229	3.88	25.20	25.01	1.045	0.239	/
			1	99	Right Tilt	2610	0.245	2.49	25.80	25.60	1.047	0.257	/
			50	49	Right Tilt	2610	0.138	-3.16	25.20	25.01	1.045	0.144	/
			1	99	Left Cheek	2610	0.401	0.49	25.80	25.60	1.047	0.420	69
			50	49	Left Cheek	2610	0.330	-2.03	25.20	25.01	1.045	0.345	/
			1	99	Left Tilt	2610	0.343	-1.02	25.80	25.60	1.047	0.359	/
			50	49	Left Tilt	2610	0.202	-1.52	25.20	25.01	1.045	0.211	/
LTE Band 40	10M	QPSK	1	49	Right Cheek	2350	0.309	0.33	13.70	13.58	1.028	0.318	/
			50	0	Right Cheek	2350	0.256	3.68	12.50	12.34	1.038	0.266	/
			1	49	Right Tilt	2350	0.263	-2.17	13.70	13.58	1.028	0.270	/
			50	0	Right Tilt	2350	0.156	3.80	12.50	12.34	1.038	0.162	/
			1	49	Left Cheek	2350	0.435	2.87	13.70	13.58	1.028	0.447	71
			50	0	Left Cheek	2350	0.357	1.88	12.50	12.34	1.038	0.370	/
			1	49	Left Tilt	2350	0.374	-1.22	13.70	13.58	1.028	0.384	/
			50	0	Left Tilt	2350	0.215	3.04	12.50	12.34	1.038	0.223	/
LTE Band 41	20M	QPSK	1	0	Right Cheek	2506	0.216	-1.17	25.50	25.29	1.050	0.227	/
			50	0	Right Cheek	2680	0.179	1.38	25.00	24.80	1.047	0.187	/
			1	0	Right Tilt	2506	0.185	-2.58	25.50	25.29	1.050	0.194	/
			50	0	Right Tilt	2680	0.110	1.90	25.00	24.80	1.047	0.115	/
			1	0	Left Cheek	2506	0.306	-0.89	25.50	25.29	1.050	0.321	73
			50	0	Left Cheek	2680	0.252	-0.80	25.00	24.80	1.047	0.264	/
			1	0	Left Tilt	2506	0.264	-3.04	25.50	25.29	1.050	0.277	/
			50	0	Left Tilt	2680	0.154	-2.00	25.00	24.80	1.047	0.161	/



LTE Band 66	20M	QPSK	1	0	Right Cheek	1720	0.141	-1.58	19.50	19.26	1.057	0.149	/
			50	0	Right Cheek	1720	0.115	0.92	18.50	18.22	1.067	0.123	/
			1	0	Right Tilt	1720	0.124	-2.23	19.50	19.26	1.057	0.131	/
			50	0	Right Tilt	1720	0.071	2.66	18.50	18.22	1.067	0.076	/
			1	0	Left Cheek	1720	0.197	0.19	19.50	19.26	1.057	0.208	75
			50	0	Left Cheek	1720	0.165	-0.66	18.50	18.22	1.067	0.176	/
			1	0	Left Tilt	1720	0.171	0.43	19.50	19.26	1.057	0.181	/
			50	0	Left Tilt	1720	0.100	-1.70	18.50	18.22	1.067	0.107	/
SA N2	20M	DFT_BPSK	1	104	Right Cheek	1900	0.196	-2.79	23.10	22.83	1.064	0.209	/
			50	25	Right Cheek	1900	0.242	-0.92	23.10	22.85	1.059	0.256	77
			1	104	Right Tilt	1900	0.125	-3.96	23.10	22.83	1.064	0.133	/
			50	25	Right Tilt	1900	0.209	1.76	23.10	22.85	1.059	0.221	/
			1	104	Left Cheek	1900	0.185	1.07	23.10	22.83	1.064	0.197	/
			50	25	Left Cheek	1900	0.224	0.24	23.10	22.85	1.059	0.237	/
			1	104	Left Tilt	1900	0.118	-0.43	23.10	22.83	1.064	0.126	/
			50	25	Left Tilt	1900	0.193	2.48	23.10	22.85	1.059	0.204	/
SA N5	20M	DFT_QPSK	1	104	Right Cheek	834	0.212	-0.69	23.20	23.00	1.047	0.222	/
			50	0	Right Cheek	839	0.258	0.71	23.60	23.24	1.086	0.280	/
			1	104	Right Tilt	834	0.134	2.29	23.20	23.00	1.047	0.140	/
			50	0	Right Tilt	839	0.221	-3.99	23.60	23.24	1.086	0.240	/
			1	104	Left Cheek	834	0.297	-1.22	23.20	23.00	1.047	0.311	/
			50	0	Left Cheek	839	0.361	-3.72	23.60	23.24	1.086	0.392	79
			1	104	Left Tilt	834	0.186	-0.67	23.20	23.00	1.047	0.195	/
			50	0	Left Tilt	839	0.307	-0.72	23.60	23.24	1.086	0.334	/
SA N7	20M	DFT_BPSK	1	1	Right Cheek	2535	0.466	0.50	20.20	19.99	1.050	0.489	/
			50	25	Right Cheek	2560	0.380	2.64	20.20	19.94	1.062	0.403	/
			1	1	Right Tilt	2535	0.400	1.89	20.20	19.99	1.050	0.420	/
			50	25	Right Tilt	2560	0.228	2.03	20.20	19.94	1.062	0.242	/
			1	1	Left Cheek	2535	0.659	0.14	20.20	19.99	1.050	0.692	81
			50	25	Left Cheek	2560	0.540	-2.54	20.20	19.94	1.062	0.573	/
			1	1	Left Tilt	2535	0.563	-1.72	20.20	19.99	1.050	0.591	/
			50	25	Left Tilt	2560	0.324	-3.05	20.20	19.94	1.062	0.344	/



SA N25	20M	DFT_BPSK	1	104	Right Cheek	1905	0.099	2.99	23.10	22.96	1.033	0.102	/
			50	25	Right Cheek	1905	0.083	-3.17	23.00	22.82	1.042	0.087	/
			1	104	Right Tilt	1905	0.088	-3.22	23.10	22.96	1.033	0.091	/
			50	25	Right Tilt	1905	0.053	3.91	23.00	22.82	1.042	0.055	/
			1	104	Left Cheek	1905	0.133	3.57	23.10	22.96	1.033	0.137	83
			50	25	Left Cheek	1905	0.108	-0.01	23.00	22.82	1.042	0.113	/
			1	104	Left Tilt	1905	0.114	-1.44	23.10	22.96	1.033	0.118	/
			50	25	Left Tilt	1905	0.069	3.19	23.00	22.82	1.042	0.072	/
SA N26	20M	DFT_QPSK	1	104	Right Cheek	831.5	0.087	2.03	23.30	23.10	1.047	0.091	/
			50	25	Right Cheek	836.5	0.087	0.31	23.50	23.31	1.045	0.091	/
			1	104	Right Tilt	831.5	0.048	-0.37	23.30	23.10	1.047	0.050	/
			50	25	Right Tilt	836.5	0.080	3.16	23.50	23.31	1.045	0.084	/
			1	104	Left Cheek	831.5	0.102	3.39	23.30	23.10	1.047	0.107	/
			50	25	Left Cheek	836.5	0.122	2.81	23.50	23.31	1.045	0.127	85
			1	104	Left Tilt	831.5	0.065	1.95	23.30	23.10	1.047	0.068	/
			50	25	Left Tilt	836.5	0.108	0.42	23.50	23.31	1.045	0.113	/
SA N38	40M	DFT_QPSK	1	104	Right Cheek	2600	0.561	2.39	20.00	19.88	1.028	0.577	/
			50	25	Right Cheek	2600	0.462	-1.30	19.80	19.57	1.054	0.487	/
			1	104	Right Tilt	2600	0.478	0.68	20.00	19.88	1.028	0.491	/
			50	25	Right Tilt	2600	0.277	-2.94	19.80	19.57	1.054	0.292	/
			1	104	Left Cheek	2590	0.725	-0.96	20.00	19.75	1.059	0.768	/
			1	104	Left Cheek	2595	0.761	-2.25	20.00	19.84	1.038	0.790	/
			1	104	Left Cheek	2600	0.794	2.80	20.00	19.88	1.028	0.816	87
			50	25	Left Cheek	2600	0.650	1.29	19.80	19.57	1.054	0.685	/
			1	104	Left Tilt	2600	0.678	1.34	20.00	19.88	1.028	0.697	/
			50	25	Left Tilt	2600	0.390	2.59	19.80	19.57	1.054	0.411	/
SA N41	100M	DFT_QPSK	1	271	Right Cheek	2592.99	0.456	3.25	19.80	19.58	1.052	0.480	/
			135	67	Right Cheek	2640	0.376	-1.70	19.80	19.53	1.064	0.400	/
			1	271	Right Tilt	2592.99	0.393	2.31	19.80	19.58	1.052	0.413	/
			135	67	Right Tilt	2640	0.226	-3.35	19.80	19.53	1.064	0.240	/
			1	271	Left Cheek	2592.99	0.645	2.40	19.80	19.58	1.052	0.679	89
			135	67	Left Cheek	2640	0.532	-3.40	19.80	19.53	1.064	0.566	/
			1	271	Left Tilt	2592.99	0.553	-1.98	19.80	19.58	1.052	0.582	/
			135	67	Left Tilt	2640	0.321	3.58	19.80	19.53	1.064	0.342	/



SA N66	40M	DFT_BPSK	1	214	Right Cheek	1777.5	0.162	1.01	23.50	23.38	1.028	0.167	/
			108	54	Right Cheek	1745	0.135	-1.32	23.30	23.18	1.028	0.139	/
			1	214	Right Tilt	1777.5	0.140	-2.79	23.50	23.38	1.028	0.144	/
			108	54	Right Tilt	1745	0.082	2.12	23.30	23.18	1.028	0.084	/
			1	214	Left Cheek	1777.5	0.230	-1.37	23.50	23.38	1.028	0.236	91
			108	54	Left Cheek	1745	0.189	2.88	23.30	23.18	1.028	0.194	/
			1	214	Left Tilt	1777.5	0.200	1.94	23.50	23.38	1.028	0.206	/
			108	54	Left Tilt	1745	0.114	-0.75	23.30	23.18	1.028	0.117	/
SA N77	100M	DFT_QPSK	1	271	Right Cheek	3750	0.320	-1.70	23.50	23.24	1.062	0.340	/
			135	67	Right Cheek	3750	0.263	-2.46	23.00	22.81	1.045	0.275	/
			1	271	Right Tilt	3750	0.274	-2.69	23.50	23.24	1.062	0.291	/
			135	67	Right Tilt	3750	0.159	-2.07	23.00	22.81	1.045	0.166	/
			1	271	Left Cheek	3750	0.455	0.25	23.50	23.24	1.062	0.483	93
			135	67	Left Cheek	3750	0.374	-3.78	23.00	22.81	1.045	0.391	/
			1	271	Left Tilt	3750	0.388	1.49	23.50	23.24	1.062	0.412	/
			135	67	Left Tilt	3750	0.228	1.50	23.00	22.81	1.045	0.238	/
SA N78	100M	DFT_QPSK	1	271	Right Cheek	3750	0.381	0.63	23.50	23.24	1.062	0.405	/
			135	67	Right Cheek	3750	0.315	0.94	23.00	22.76	1.057	0.333	/
			1	271	Right Tilt	3750	0.327	-2.30	23.50	23.24	1.062	0.347	/
			135	67	Right Tilt	3750	0.193	-1.71	23.00	22.76	1.057	0.204	/
			1	271	Left Cheek	3750	0.540	-0.25	23.50	23.24	1.062	0.573	95
			135	67	Left Cheek	3750	0.445	-2.57	23.00	22.76	1.057	0.470	/
			1	271	Left Tilt	3750	0.462	1.71	23.50	23.24	1.062	0.491	/
			135	67	Left Tilt	3750	0.269	1.23	23.00	22.76	1.057	0.284	/



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 N41	100M	DFT_QPSK	1	271	Right Cheek	2592.99	0.456	3.25	19.80	19.58	1.052	0.480	/
			135	67	Right Cheek	2640	0.376	-1.70	19.80	19.53	1.064	0.400	/
			1	271	Right Tilt	2592.99	0.393	2.31	19.80	19.58	1.052	0.413	/
			135	67	Right Tilt	2640	0.226	-3.35	19.80	19.53	1.064	0.240	/
			1	271	Left Cheek	2592.99	0.645	2.40	19.80	19.58	1.052	0.679	89
			135	67	Left Cheek	2640	0.532	-3.40	19.80	19.53	1.064	0.566	/
			1	271	Left Tilt	2592.99	0.553	-1.98	19.80	19.58	1.052	0.582	/
			135	67	Left Tilt	2640	0.321	3.58	19.80	19.53	1.064	0.342	/
LTE Band 5	10M	QPSK	1	49	Right Cheek	844	0.076	1.08	24.50	24.34	1.038	0.079	/
			25	24	Right Cheek	829	0.066	1.56	23.50	23.32	1.042	0.069	/
			1	49	Right Tilt	844	0.068	3.01	24.50	24.34	1.038	0.071	/
			25	24	Right Tilt	829	0.044	3.50	23.50	23.32	1.042	0.046	/
			1	49	Left Cheek	844	0.106	-1.53	24.50	24.34	1.038	0.110	55
			25	24	Left Cheek	829	0.089	-3.50	23.50	23.32	1.042	0.093	/
			1	49	Left Tilt	844	0.093	3.99	24.50	24.34	1.038	0.096	/
			25	24	Left Tilt	829	0.054	2.08	23.50	23.32	1.042	0.056	/

Band	Mode	Max SAR	NSA N41+B5
		(W/Kg)	
NSA N41+B5	SA N41	0.679	0.789
	LTE B5	0.110	
NSA N41+B5	SA N41 Right Cheek	0.480	0.559
	LTE B5 Right Cheek	0.079	
NSA N41+B5	SA N41 Left Cheek	0.679	0.789
	LTE B5 Left Cheek	0.110	

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-2 Slot	Front Side	836.6	0.174	-2.62	31.50	31.39	1.026	0.178	/
		Back Side	836.6	0.244	0.45	31.50	31.39	1.026	0.250	2
		Left Side	836.6	0.204	-0.75	31.50	31.39	1.026	0.209	/
		Right Side	836.6	0.124	-2.15	31.50	31.39	1.026	0.127	/
		Top Side	836.6	0.019	-3.69	31.50	31.39	1.026	0.019	/
		Bottom Side	836.6	0.185	-3.03	31.50	31.39	1.026	0.190	/
PCS 1900	GPRS Data-2 Slot	Front Side	1880	0.427	-2.17	28.00	27.80	1.047	0.447	/
		Back Side	1880	0.498	3.38	28.00	27.80	1.047	0.521	/
		Left Side	1880	0.191	-2.19	28.00	27.80	1.047	0.200	/
		Right Side	1880	0.093	-2.28	28.00	27.80	1.047	0.097	/
		Bottom Side	1880	0.623	-2.38	28.00	27.80	1.047	0.652	4
WCDMA Band II	RMC	Front Side	1880	0.527	0.38	18.90	18.77	1.030	0.543	/
		Back Side	1880	0.616	-3.83	18.90	18.77	1.030	0.635	/
		Left Side	1880	0.231	-3.57	18.90	18.77	1.030	0.238	/
		Right Side	1880	0.116	-1.21	18.90	18.77	1.030	0.120	/
		Bottom Side	1880	0.768	0.85	18.90	18.77	1.030	0.791	6
WCDMA Band IV	RMC	Front Side	1712.6	0.347	-3.82	21.50	21.46	1.009	0.350	/
		Back Side	1712.6	0.407	0.58	21.50	21.46	1.009	0.411	/
		Left Side	1712.6	0.155	1.57	21.50	21.46	1.009	0.156	/
		Right Side	1712.6	0.077	-0.21	21.50	21.46	1.009	0.078	/
		Bottom Side	1712.6	0.508	-2.50	21.50	21.46	1.009	0.513	8
WCDMA Band V	RMC	Front Side	846.6	0.191	3.38	24.50	24.25	1.059	0.202	/
		Back Side	846.6	0.239	-0.57	24.50	24.25	1.059	0.253	/
		Left Side	846.6	0.253	3.96	24.50	24.25	1.059	0.268	10
		Right Side	846.6	0.166	3.69	24.50	24.25	1.059	0.176	/
		Bottom Side	846.6	0.201	-3.63	24.50	24.25	1.059	0.213	/
2.4GHz WLAN ANT 1	802.11b	Front Side	2462	0.080	-1.32	15.80	15.64	1.038	0.083	/
		Back Side	2462	0.134	2.32	15.80	15.64	1.038	0.139	12
		Right Side	2462	0.070	-0.53	15.80	15.64	1.038	0.073	/
		Top Side	2462	0.102	-3.96	15.80	15.64	1.038	0.106	/
2.4GHz WLAN ANT 2	802.11b	Front Side	2412	0.157	0.59	14.00	13.72	1.067	0.167	/
		Back Side	2412	0.138	3.41	14.00	13.72	1.067	0.147	/
		Left Side	2412	0.070	-1.34	14.00	13.72	1.067	0.075	/
		Top Side	2412	0.241	2.90	14.00	13.72	1.067	0.257	14
2.4GHz WLAN MIMO 1	802.11ac-VHT40	Front Side	2422	0.179	-3.49	15.30	15.13	1.040	0.186	16
		Back Side	2422	0.167	-2.92	15.30	15.13	1.040	0.174	/
		Left Side	2422	0.037	2.84	15.30	15.13	1.040	0.038	/
		Right Side	2422	0.085	-3.02	15.30	15.13	1.040	0.088	/
		Top Side	2422	0.108	-0.67	15.30	15.13	1.040	0.112	/
2.4GHz WLAN MIMO 2	802.11ac-VHT40	Front Side	2422	0.125	1.58	15.30	15.13	1.040	0.130	/
		Back Side	2422	0.057	-0.33	15.30	15.13	1.040	0.059	/
		Left Side	2422	0.099	-1.01	15.30	15.13	1.040	0.103	/
		Right Side	2422	0.040	-2.93	15.30	15.13	1.040	0.042	/
		Top Side	2422	0.163	-3.68	15.30	15.13	1.040	0.170	18
5.2GHz WLAN ANT 1	802.11a	Front Side	5240	0.227	-3.44	16.50	16.30	1.047	0.238	/
		Back Side	5240	0.396	3.35	16.50	16.30	1.047	0.415	20
		Right Side	5240	0.202	2.46	16.50	16.30	1.047	0.212	/
		Top Side	5240	0.318	1.19	16.50	16.30	1.047	0.333	/
5.2GHz WLAN ANT 2	802.11a	Front Side	5240	0.277	0.95	14.50	14.37	1.030	0.285	/
		Back Side	5240	0.166	2.31	14.50	14.37	1.030	0.171	/
		Left Side	5240	0.283	-0.46	14.50	14.37	1.030	0.292	/
		Top Side	5240	0.470	-3.31	14.50	14.37	1.030	0.484	22



5.2GHz WLAN MIMO 1	802.11a	Front Side	5240	0.173	2.98	16.00	15.76	1.057	0.183	/
		Back Side	5240	0.303	0.62	16.00	15.76	1.057	0.320	24
		Left Side	5240	0.061	3.35	16.00	15.76	1.057	0.064	/
		Right Side	5240	0.154	-3.20	16.00	15.76	1.057	0.163	/
		Top Side	5240	0.243	0.14	16.00	15.76	1.057	0.257	/
5.2GHz WLAN MIMO 2	802.11a	Front Side	5240	0.220	-1.03	16.00	15.76	1.057	0.232	/
		Back Side	5240	0.134	-3.86	16.00	15.76	1.057	0.142	/
		Left Side	5240	0.226	-3.34	16.00	15.76	1.057	0.239	/
		Right Side	5240	0.095	-1.30	16.00	15.76	1.057	0.100	/
		Top Side	5240	0.374	0.37	16.00	15.76	1.057	0.395	26
5.3GHz WLAN ANT 1	802.11a	Front Side	5320	0.259	0.90	16.88	16.07	1.205	0.312	/
		Back Side	5320	0.448	0.36	16.88	16.07	1.205	0.540	28
		Right Side	5320	0.225	0.15	16.88	16.07	1.205	0.271	/
		Top Side	5320	0.361	2.14	16.88	16.07	1.205	0.435	/
5.3GHz WLAN ANT 2	802.11a	Front Side	5260	0.244	-3.62	15.00	14.85	1.035	0.253	/
		Back Side	5260	0.148	-1.16	15.00	14.85	1.035	0.153	/
		Left Side	5260	0.254	-3.71	15.00	14.85	1.035	0.263	/
		Top Side	5260	0.420	-3.51	15.00	14.85	1.035	0.435	30
5.3GHz WLAN MIMO 1	802.11ax- HE20	Front Side	5260	0.127	-0.82	13.70	13.52	1.042	0.132	/
		Back Side	5260	0.215	3.78	13.70	13.52	1.042	0.224	32
		Left Side	5260	0.045	3.05	13.70	13.52	1.042	0.047	/
		Right Side	5260	0.112	3.65	13.70	13.52	1.042	0.117	/
		Top Side	5260	0.174	-1.71	13.70	13.52	1.042	0.181	/
5.3GHz WLAN MIMO 2	802.11ax- HE20	Front Side	5260	0.096	1.27	13.70	13.52	1.042	0.100	/
		Back Side	5260	0.060	2.40	13.70	13.52	1.042	0.063	/
		Left Side	5260	0.102	-3.82	13.70	13.52	1.042	0.106	/
		Right Side	5260	0.044	-2.86	13.70	13.52	1.042	0.046	/
		Top Side	5260	0.166	-2.96	13.70	13.52	1.042	0.173	34
5.6GHz WLAN ANT 1	802.11a	Front Side	5580	0.196	-1.65	16.80	16.61	1.045	0.205	/
		Back Side	5580	0.342	-0.89	16.80	16.61	1.045	0.357	36
		Right Side	5580	0.174	0.56	16.80	16.61	1.045	0.182	/
		Top Side	5580	0.274	-1.03	16.80	16.61	1.045	0.286	/
5.6GHz WLAN ANT 2	802.11a	Front Side	5580	0.260	0.98	14.70	14.59	1.026	0.267	/
		Back Side	5580	0.157	-3.08	14.70	14.59	1.026	0.161	/
		Left Side	5580	0.270	2.59	14.70	14.59	1.026	0.277	/
		Top Side	5580	0.446	3.72	14.70	14.59	1.026	0.457	38
5.6GHz WLAN MIMO 1	802.11ac- VHT20	Front Side	5700	0.174	1.22	14.30	14.13	1.040	0.181	/
		Back Side	5700	0.306	-3.10	14.30	14.13	1.040	0.318	40
		Left Side	5700	0.066	-2.02	14.30	14.13	1.040	0.069	/
		Right Side	5700	0.156	2.71	14.30	14.13	1.040	0.162	/
		Top Side	5700	0.248	-0.95	14.30	14.13	1.040	0.258	/
5.6GHz WLAN MIMO 2	802.11ac- VHT20	Front Side	5700	0.107	2.30	14.30	14.13	1.040	0.111	/
		Back Side	5700	0.066	-0.70	14.30	14.13	1.040	0.069	/
		Left Side	5700	0.112	-3.17	14.30	14.13	1.040	0.116	/
		Right Side	5700	0.048	1.15	14.30	14.13	1.040	0.050	/
		Top Side	5700	0.183	-0.39	14.30	14.13	1.040	0.190	42
5.8GHz WLAN ANT 1	802.11a	Front Side	5745	0.199	3.79	16.00	15.78	1.052	0.209	/
		Back Side	5745	0.343	-2.58	16.00	15.78	1.052	0.361	44
		Right Side	5745	0.173	-0.69	16.00	15.78	1.052	0.182	/
		Top Side	5745	0.278	2.05	16.00	15.78	1.052	0.292	/
5.8GHz WLAN ANT 2	802.11a	Front Side	5745	0.254	2.78	14.30	14.15	1.035	0.263	/
		Back Side	5745	0.155	-3.47	14.30	14.15	1.035	0.160	/
		Left Side	5745	0.265	0.79	14.30	14.15	1.035	0.274	/
		Top Side	5745	0.439	3.24	14.30	14.15	1.035	0.454	46



5.8GHz WLAN MIMO 1	802.11n- HT20	Front Side	5825	0.126	2.51	13.70	13.53	1.040	0.131	/
		Back Side	5825	0.221	-0.13	13.70	13.53	1.040	0.230	48
		Left Side	5825	0.046	3.36	13.70	13.53	1.040	0.048	/
		Right Side	5825	0.113	-1.10	13.70	13.53	1.040	0.118	/
		Top Side	5825	0.177	-3.01	13.70	13.53	1.040	0.184	/
5.8GHz WLAN MIMO 2	802.11n- HT20	Front Side	5825	0.160	1.29	13.70	13.53	1.040	0.166	/
		Back Side	5825	0.095	1.03	13.70	13.53	1.040	0.099	/
		Left Side	5825	0.164	-0.56	13.70	13.53	1.040	0.171	/
		Right Side	5825	0.070	-2.40	13.70	13.53	1.040	0.073	/
		Top Side	5825	0.269	1.95	13.70	13.53	1.040	0.280	50
BT	GFSK	Front Side	2441	0.083	-2.97	8.50	8.21	1.069	0.089	/
		Back Side	2441	0.092	-3.49	8.50	8.21	1.069	0.098	98
		Right Side	2441	0.052	-0.52	8.50	8.21	1.069	0.056	/
		Top Side	2441	0.077	0.88	8.50	8.21	1.069	0.082	/

Band	Mode	Max SAR	WIFI MIMO
		(W/Kg)	
2.4G WLAN	802.11ac-VHT40	0.186	0.356
	802.11ac-VHT40	0.170	
5.2G WLAN	802.11n-HT20	0.320	0.715
	802.11n-HT20	0.395	
5.2G WLAN	802.11n-HT20 Back Side	0.320	0.462
	802.11n-HT20 Back Side	0.142	
5.2G WLAN	802.11n-HT20 Top Side	0.257	0.652
	802.11n-HT20 Top Side	0.395	
5.3G WLAN	802.11ax-HE20	0.224	0.397
	802.11ax-HE20	0.173	
5.6G WLAN	802.11ac-VHT20	0.318	0.508
	802.11ac-VHT20	0.190	
5.8G WLAN	802.11n-HT20	0.230	0.510
	802.11n-HT20	0.280	



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	99	Front side	1860	0.410	1.60	18.80	18.67	1.030	0.422	/
			50	0	Front side	1880	0.336	0.98	17.70	17.54	1.038	0.349	/
			1	99	Back Side	1860	0.483	1.59	18.80	18.67	1.030	0.498	/
			50	0	Back Side	1880	0.397	1.02	17.70	17.54	1.038	0.412	/
			1	99	Left Side	1860	0.183	-3.55	18.80	18.67	1.030	0.189	/
			50	0	Left Side	1880	0.153	2.54	17.70	17.54	1.038	0.159	/
			1	99	Right Side	1860	0.090	-3.22	18.80	18.67	1.030	0.093	/
			50	0	Right Side	1880	0.075	-0.48	17.70	17.54	1.038	0.078	/
			1	99	Bottom Side	1860	0.599	3.90	18.80	18.67	1.030	0.617	52
			50	0	Bottom Side	1880	0.493	-3.97	17.70	17.54	1.038	0.512	/
LTE Band 4	20M	QPSK	1	0	Front side	1720	0.457	-3.78	20.30	20.22	1.019	0.465	/
			50	0	Front side	1720	0.376	-2.42	19.20	19.09	1.026	0.386	/
			1	0	Back Side	1720	0.537	0.64	20.30	20.22	1.019	0.547	/
			50	0	Back Side	1720	0.442	-0.24	19.20	19.09	1.026	0.453	/
			1	0	Left Side	1720	0.200	-1.12	20.30	20.22	1.019	0.204	/
			50	0	Left Side	1720	0.165	1.83	19.20	19.09	1.026	0.169	/
			1	0	Right Side	1720	0.103	3.40	20.30	20.22	1.019	0.105	/
			50	0	Right Side	1720	0.085	0.74	19.20	19.09	1.026	0.087	/
			1	0	Bottom Side	1720	0.668	-3.92	20.30	20.22	1.019	0.680	54
			50	0	Bottom Side	1720	0.550	-0.72	19.20	19.09	1.026	0.564	/
LTE Band 5	10M	QPSK	1	49	Front side	844	0.162	-0.12	24.50	24.34	1.038	0.168	/
			25	24	Front side	829	0.135	-0.49	23.50	23.32	1.042	0.141	/
			1	49	Back Side	844	0.227	-0.32	24.50	24.34	1.038	0.236	56
			25	24	Back Side	829	0.117	-1.62	23.50	23.32	1.042	0.122	/
			1	49	Left Side	844	0.160	3.96	24.50	24.34	1.038	0.166	/
			25	24	Left Side	829	0.129	3.25	23.50	23.32	1.042	0.134	/
			1	49	Right Side	844	0.116	2.39	24.50	24.34	1.038	0.120	/
			25	24	Right Side	829	0.097	-0.24	23.50	23.32	1.042	0.101	/
			1	49	Top Side	844	0.022	-2.40	24.50	24.34	1.038	0.023	/
			25	24	Top Side	829	0.018	3.48	23.50	23.32	1.042	0.019	/
			1	49	Bottom Side	844	0.174	0.05	24.50	24.34	1.038	0.181	/



			25	24	Bottom Side	829	0.143	-1.71	23.50	23.32	1.042	0.149	/
LTE Band 7	20M	QPSK	1	99	Front side	2510	0.359	-3.92	20.00	19.62	1.091	0.392	/
			50	49	Front side	2510	0.297	2.63	18.50	18.47	1.007	0.299	/
			1	99	Back Side	2510	0.422	-3.24	20.00	19.62	1.091	0.461	/
			50	49	Back Side	2510	0.345	3.66	18.50	18.47	1.007	0.347	/
			1	99	Left Side	2510	0.158	-0.56	20.00	19.62	1.091	0.172	/
			50	49	Left Side	2510	0.130	3.53	18.50	18.47	1.007	0.131	/
			1	99	Right Side	2510	0.080	2.19	20.00	19.62	1.091	0.087	/
			50	49	Right Side	2510	0.064	0.66	18.50	18.47	1.007	0.064	/
			1	99	Bottom Side	2510	0.524	2.54	20.00	19.62	1.091	0.572	58
			50	49	Bottom Side	2510	0.429	-1.81	18.50	18.47	1.007	0.432	/
LTE Band 12	10M	QPSK	1	49	Front side	711	0.128	1.91	24.50	24.27	1.054	0.135	/
			25	24	Front side	707.5	0.107	-0.83	23.30	23.14	1.038	0.111	/
			1	49	Back Side	711	0.178	-2.77	24.50	24.27	1.054	0.188	60
			25	24	Back Side	707.5	0.092	-2.03	23.30	23.14	1.038	0.095	/
			1	49	Left Side	711	0.127	-1.85	24.50	24.27	1.054	0.134	/
			25	24	Left Side	707.5	0.108	3.92	23.30	23.14	1.038	0.112	/
			1	49	Right Side	711	0.093	-2.32	24.50	24.27	1.054	0.098	/
			25	24	Right Side	707.5	0.078	-2.63	23.30	23.14	1.038	0.081	/
			1	49	Bottom Side	711	0.137	2.23	24.50	24.27	1.054	0.144	/
			25	24	Bottom Side	707.5	0.112	3.47	23.30	23.14	1.038	0.116	/
LTE Band 13	10M	QPSK	1	49	Front side	782	0.178	3.66	24.00	23.96	1.009	0.180	/
			25	24	Front side	782	0.147	-0.38	23.00	22.74	1.062	0.156	/
			1	49	Back Side	782	0.252	-2.77	24.00	23.96	1.009	0.254	62
			25	24	Back Side	782	0.209	-1.21	23.00	22.74	1.062	0.222	/
			1	49	Left Side	782	0.217	1.35	24.00	23.96	1.009	0.219	/
			25	24	Left Side	782	0.180	-3.67	23.00	22.74	1.062	0.191	/
			1	49	Right Side	782	0.127	-1.81	24.00	23.96	1.009	0.128	/
			25	24	Right Side	782	0.103	2.08	23.00	22.74	1.062	0.109	/
			1	49	Bottom Side	782	0.193	-3.82	24.00	23.96	1.009	0.195	/
			25	24	Bottom Side	782	0.159	2.35	23.00	22.74	1.062	0.169	/
LTE Band 17	10M	QPSK	1	49	Front side	711	0.140	-2.85	24.50	24.31	1.045	0.146	/
			25	24	Front side	709	0.117	-1.08	23.30	23.13	1.040	0.122	/



			1	49	Back Side	711	0.199	2.79	24.50	24.31	1.045	0.208	64
			25	24	Back Side	709	0.102	2.48	23.30	23.13	1.040	0.106	/
			1	49	Left Side	711	0.162	2.10	24.50	24.31	1.045	0.169	/
			25	24	Left Side	709	0.135	1.39	23.30	23.13	1.040	0.140	/
			1	49	Right Side	711	0.099	0.15	24.50	24.31	1.045	0.103	/
			25	24	Right Side	709	0.083	0.73	23.30	23.13	1.040	0.086	/
			1	49	Bottom Side	711	0.154	-0.39	24.50	24.31	1.045	0.161	/
			25	24	Bottom Side	709	0.127	2.24	23.30	23.13	1.040	0.132	/
LTE Band 25	20M	QPSK	1	99	Front side	1860	0.523	1.02	18.80	18.62	1.042	0.545	/
			50	0	Front side	1882.5	0.431	-1.14	17.70	17.52	1.042	0.449	/
			1	99	Back Side	1860	0.613	0.58	18.80	18.62	1.042	0.639	/
			50	0	Back Side	1882.5	0.506	1.58	17.70	17.52	1.042	0.527	/
			1	99	Left Side	1860	0.229	-2.11	18.80	18.62	1.042	0.239	/
			50	0	Left Side	1882.5	0.190	-2.24	17.70	17.52	1.042	0.198	/
			1	99	Right Side	1860	0.113	-0.64	18.80	18.62	1.042	0.118	/
			50	0	Right Side	1882.5	0.094	1.45	17.70	17.52	1.042	0.098	/
			1	99	Bottom Side	1860	0.763	2.60	18.80	18.62	1.042	0.795	66
			50	0	Bottom Side	1882.5	0.627	2.75	17.70	17.52	1.042	0.654	/
LTE Band 26	15M	QPSK	1	74	Front side	841.5	0.168	1.41	24.50	24.38	1.028	0.173	/
			36	39	Front side	841.5	0.138	2.22	23.50	23.37	1.030	0.142	/
			1	74	Back Side	841.5	0.234	1.64	24.50	24.38	1.028	0.241	68
			36	39	Back Side	841.5	0.121	2.92	23.50	23.37	1.030	0.125	/
			1	74	Left Side	841.5	0.207	-3.03	24.50	24.38	1.028	0.213	/
			36	39	Left Side	841.5	0.173	0.90	23.50	23.37	1.030	0.178	/
			1	74	Right Side	841.5	0.121	0.52	24.50	24.38	1.028	0.124	/
			36	39	Right Side	841.5	0.102	-2.40	23.50	23.37	1.030	0.105	/
			1	74	Bottom Side	841.5	0.181	-2.05	24.50	24.38	1.028	0.186	/
			36	39	Bottom Side	841.5	0.147	-0.62	23.50	23.37	1.030	0.151	/
LTE Band 38	20M	QPSK	1	99	Front side	2610	0.396	3.76	25.80	25.60	1.047	0.415	/
			50	49	Front side	2610	0.328	-0.91	25.20	25.01	1.045	0.343	/
			1	99	Back Side	2610	0.465	-1.44	25.80	25.60	1.047	0.487	/
			50	49	Back Side	2610	0.382	-1.27	25.20	25.01	1.045	0.399	/
			1	99	Left Side	2610	0.176	-2.96	25.80	25.60	1.047	0.184	/



			50	49	Left Side	2610	0.146	-0.57	25.20	25.01	1.045	0.153	/
			1	99	Right Side	2610	0.088	3.95	25.80	25.60	1.047	0.092	/
			50	49	Right Side	2610	0.073	3.16	25.20	25.01	1.045	0.076	/
			1	99	Bottom Side	2610	0.577	-3.03	25.80	25.60	1.047	0.604	70
			50	49	Bottom Side	2610	0.477	2.32	25.20	25.01	1.045	0.498	/
LTE Band 40	10M	QPSK	1	49	Front side	2350	0.291	-1.40	13.70	13.58	1.028	0.299	/
			50	0	Front side	2350	0.242	-0.45	12.50	12.34	1.038	0.251	/
			1	49	Back Side	2350	0.344	0.48	13.70	13.58	1.028	0.354	/
			50	0	Back Side	2350	0.284	-0.19	12.50	12.34	1.038	0.295	/
			1	49	Left Side	2350	0.130	2.34	13.70	13.58	1.028	0.134	/
			50	0	Left Side	2350	0.109	0.95	12.50	12.34	1.038	0.113	/
			1	49	Right Side	2350	0.063	0.04	13.70	13.58	1.028	0.065	/
			50	0	Right Side	2350	0.052	3.59	12.50	12.34	1.038	0.054	/
			1	49	Bottom Side	2350	0.428	-0.13	13.70	13.58	1.028	0.440	72
			50	0	Bottom Side	2350	0.350	3.35	12.50	12.34	1.038	0.363	/
LTE Band 41	20M	QPSK	1	0	Front side	2506	0.392	0.21	25.50	25.29	1.050	0.411	/
			50	0	Front side	2680	0.323	-2.73	25.00	24.80	1.047	0.338	/
			1	0	Back Side	2506	0.460	-2.96	25.50	25.29	1.050	0.483	/
			50	0	Back Side	2680	0.380	1.05	25.00	24.80	1.047	0.398	/
			1	0	Left Side	2506	0.173	3.44	25.50	25.29	1.050	0.182	/
			50	0	Left Side	2680	0.140	0.37	25.00	24.80	1.047	0.147	/
			1	0	Right Side	2506	0.089	-3.51	25.50	25.29	1.050	0.093	/
			50	0	Right Side	2680	0.075	3.82	25.00	24.80	1.047	0.079	/
			1	0	Bottom Side	2506	0.576	0.57	25.50	25.29	1.050	0.605	74
			50	0	Bottom Side	2680	0.475	2.48	25.00	24.80	1.047	0.497	/
LTE Band 66	20M	QPSK	1	0	Front side	1720	0.401	0.54	19.50	19.26	1.057	0.424	/
			50	0	Front side	1720	0.332	-2.19	18.50	18.22	1.067	0.354	/
			1	0	Back Side	1720	0.469	-2.10	19.50	19.26	1.057	0.496	/
			50	0	Back Side	1720	0.385	-2.49	18.50	18.22	1.067	0.411	/
			1	0	Left Side	1720	0.178	1.51	19.50	19.26	1.057	0.188	/
			50	0	Left Side	1720	0.149	1.57	18.50	18.22	1.067	0.159	/
			1	0	Right Side	1720	0.090	3.71	19.50	19.26	1.057	0.095	/
			50	0	Right Side	1720	0.077	0.85	18.50	18.22	1.067	0.082	/



			1	0	Bottom Side	1720	0.585	3.70	19.50	19.26	1.057	0.618	76
			50	0	Bottom Side	1720	0.482	0.30	18.50	18.22	1.067	0.514	/
SA N2	20M	DFT_BPSK	1	104	Front side	1900	0.108	3.84	23.10	22.83	1.064	0.115	/
			50	25	Front side	1900	0.134	3.70	23.10	22.85	1.059	0.142	/
			1	104	Back Side	1900	0.221	0.06	23.10	22.83	1.064	0.235	/
			50	25	Back Side	1900	0.269	0.64	23.10	22.85	1.059	0.285	78
			1	104	Left Side	1900	0.218	-0.35	23.10	22.83	1.064	0.232	/
			50	25	Left Side	1900	0.261	0.33	23.10	22.85	1.059	0.276	/
			1	104	Right Side	1900	0.119	-2.40	23.10	22.83	1.064	0.127	/
			50	25	Right Side	1900	0.142	-0.11	23.10	22.85	1.059	0.150	/
			1	104	Top Side	1900	0.129	-0.19	23.10	22.83	1.064	0.137	/
			50	25	Top Side	1900	0.158	2.16	23.10	22.85	1.059	0.167	/
SA N5	20M	DFT_QPSK	1	104	Front side	834	0.145	2.76	23.20	23.00	1.047	0.152	/
			50	0	Front side	839	0.175	3.51	23.60	23.24	1.086	0.190	/
			1	104	Back Side	834	0.174	-3.91	23.20	23.00	1.047	0.182	/
			50	0	Back Side	839	0.210	-1.47	23.60	23.24	1.086	0.228	/
			1	104	Left Side	834	0.064	-2.44	23.20	23.00	1.047	0.067	/
			50	0	Left Side	839	0.078	-3.15	23.60	23.24	1.086	0.085	/
			1	104	Right Side	834	0.035	-2.85	23.20	23.00	1.047	0.037	/
			50	0	Right Side	839	0.043	0.52	23.60	23.24	1.086	0.047	/
			1	104	Bottom Side	834	0.211	0.64	23.20	23.00	1.047	0.221	/
			50	0	Bottom Side	839	0.258	1.06	23.60	23.24	1.086	0.280	80
SA N7	20M	DFT_BPSK	1	1	Front side	2535	0.460	-0.54	20.20	19.99	1.050	0.483	/
			50	25	Front side	2560	0.379	2.98	20.20	19.94	1.062	0.402	/
			1	1	Back Side	2535	0.657	3.78	20.20	19.99	1.050	0.690	/
			50	25	Back Side	2560	0.540	-0.49	20.20	19.94	1.062	0.573	/
			1	1	Left Side	2535	0.234	-3.55	20.20	19.99	1.050	0.246	/
			50	25	Left Side	2560	0.195	1.62	20.20	19.94	1.062	0.207	/
			1	1	Right Side	2535	0.124	-0.73	20.20	19.99	1.050	0.130	/
			50	25	Right Side	2560	0.106	1.90	20.20	19.94	1.062	0.113	/
			1	1	Top Side	2535	0.744	-2.04	20.20	19.99	1.050	0.781	82
			50	25	Top Side	2560	0.611	3.37	20.20	19.94	1.062	0.649	/
SA N25	20M	DFT_BPSK	1	104	Front side	1905	0.142	-3.39	23.10	22.96	1.033	0.147	/



			50	25	Front side	1905	0.119	-1.18	23.00	22.82	1.042	0.124	/
			1	104	Back Side	1905	0.201	-2.42	23.10	22.96	1.033	0.208	84
			50	25	Back Side	1905	0.164	3.45	23.00	22.82	1.042	0.171	/
			1	104	Left Side	1905	0.104	-2.31	23.10	22.96	1.033	0.107	/
			50	25	Left Side	1905	0.086	-1.13	23.00	22.82	1.042	0.090	/
			1	104	Right Side	1905	0.055	0.35	23.10	22.96	1.033	0.057	/
			50	25	Right Side	1905	0.047	1.87	23.00	22.82	1.042	0.049	/
			1	104	Top Side	1905	0.172	-1.87	23.10	22.96	1.033	0.178	/
			50	25	Top Side	1905	0.143	-2.63	23.00	22.82	1.042	0.149	/
SA N26	20M	DFT_QPSK	1	104	Front side	831.5	0.120	-0.79	23.30	23.10	1.047	0.126	/
			50	25	Front side	836.5	0.148	0.67	23.50	23.31	1.045	0.155	/
			1	104	Back Side	831.5	0.173	-3.13	23.30	23.10	1.047	0.181	/
			50	25	Back Side	836.5	0.207	-2.88	23.50	23.31	1.045	0.216	86
			1	104	Left Side	831.5	0.146	-1.07	23.30	23.10	1.047	0.153	/
			50	25	Left Side	836.5	0.177	0.29	23.50	23.31	1.045	0.185	/
			1	104	Right Side	831.5	0.088	2.95	23.30	23.10	1.047	0.092	/
			50	25	Right Side	836.5	0.105	0.03	23.50	23.31	1.045	0.110	/
			1	104	Bottom Side	831.5	0.135	0.61	23.30	23.10	1.047	0.141	/
			50	25	Bottom Side	836.5	0.161	-3.98	23.50	23.31	1.045	0.168	/
SA N38	40M	DFT_QPSK	1	104	Front side	2600	0.474	-1.17	20.00	19.88	1.028	0.487	/
			50	25	Front side	2600	0.391	2.09	19.80	19.57	1.054	0.412	/
			1	104	Back Side	2600	0.674	-1.36	20.00	19.88	1.028	0.693	/
			50	25	Back Side	2600	0.554	0.06	19.80	19.57	1.054	0.584	/
			1	104	Left Side	2600	0.339	0.57	20.00	19.88	1.028	0.348	/
			50	25	Left Side	2600	0.277	3.61	19.80	19.57	1.054	0.292	/
			1	104	Right Side	2600	0.184	3.90	20.00	19.88	1.028	0.189	/
			50	25	Right Side	2600	0.153	-1.51	19.80	19.57	1.054	0.161	/
			1	104	Top Side	2600	0.769	-3.82	20.00	19.88	1.028	0.791	88
			50	25	Top Side	2600	0.634	1.95	19.80	19.57	1.054	0.668	/
SA N41	100M	DFT_QPSK	1	271	Front side	2592.99	0.447	-0.37	19.80	19.58	1.052	0.470	/
			135	67	Front side	2640	0.366	0.10	19.80	19.53	1.064	0.389	/
			1	271	Back Side	2592.99	0.638	3.89	19.80	19.58	1.052	0.671	90
			135	67	Back Side	2640	0.525	1.43	19.80	19.53	1.064	0.559	/



			1	271	Left Side	2592.99	0.323	1.07	19.80	19.58	1.052	0.340	/
			135	67	Left Side	2640	0.266	3.92	19.80	19.53	1.064	0.283	/
			1	271	Right Side	2592.99	0.175	-2.66	19.80	19.58	1.052	0.184	/
			135	67	Right Side	2640	0.146	-1.02	19.80	19.53	1.064	0.155	/
			1	271	Top Side	2592.99	0.567	3.99	19.80	19.58	1.052	0.596	/
			135	67	Top Side	2640	0.469	3.05	19.80	19.53	1.064	0.499	/
SA N66	40M	DFT_BPSK	1	214	Front side	1777.5	0.284	-1.18	23.50	23.38	1.028	0.292	/
			108	54	Front side	1745	0.237	2.62	23.30	23.18	1.028	0.244	/
			1	214	Back Side	1777.5	0.403	-0.55	23.50	23.38	1.028	0.414	92
			108	54	Back Side	1745	0.334	3.23	23.30	23.18	1.028	0.343	/
			1	214	Left Side	1777.5	0.205	-3.90	23.50	23.38	1.028	0.211	/
			108	54	Left Side	1745	0.167	-3.47	23.30	23.18	1.028	0.172	/
			1	214	Right Side	1777.5	0.109	0.27	23.50	23.38	1.028	0.112	/
			108	54	Right Side	1745	0.093	0.45	23.30	23.18	1.028	0.096	/
			1	214	Top Side	1777.5	0.345	-3.02	23.50	23.38	1.028	0.355	/
			108	54	Top Side	1745	0.285	1.57	23.30	23.18	1.028	0.293	/
SA N77	100M	DFT_QPSK	1	271	Front side	3750	0.319	1.26	23.50	23.24	1.062	0.339	/
			135	67	Front side	3750	0.260	2.21	23.00	22.81	1.045	0.272	/
			1	271	Back Side	3750	0.568	-0.84	23.50	23.24	1.062	0.603	/
			135	67	Back Side	3750	0.465	-3.84	23.00	22.81	1.045	0.486	/
			1	271	Left Side	3750	0.789	-2.45	23.50	23.24	1.062	0.838	94
			1	271	Left Side	3840	0.671	2.25	23.50	22.81	1.172	0.787	/
			1	271	Left Side	3930	0.628	1.28	23.50	22.73	1.194	0.750	/
			135	67	Left Side	3750	0.648	2.95	23.00	22.81	1.045	0.677	/
			1	271	Right Side	3750	0.161	-2.33	23.50	23.24	1.062	0.171	/
			135	67	Right Side	3750	0.131	2.75	23.00	22.81	1.045	0.137	/
			1	271	Top Side	3750	0.055	2.80	23.50	23.24	1.062	0.058	/
			135	67	Top Side	3750	0.047	-0.05	23.00	22.81	1.045	0.049	/
SA N78	100M	DFT_QPSK	1	271	Front side	3750	0.316	2.69	23.50	23.24	1.062	0.335	/
			135	67	Front side	3750	0.261	-2.03	23.00	22.76	1.057	0.276	/
			1	271	Back Side	3750	0.569	-0.39	23.50	23.24	1.062	0.604	/
			135	67	Back Side	3750	0.468	2.51	23.00	22.76	1.057	0.495	/
			1	271	Left Side	3750	0.790	3.48	23.50	23.24	1.062	0.839	96



			135	67	Left Side	3750	0.649	3.92	23.00	22.76	1.057	0.686	/
			1	271	Right Side	3750	0.159	-2.95	23.50	23.24	1.062	0.169	/
			135	67	Right Side	3750	0.132	1.49	23.00	22.76	1.057	0.139	/
			1	271	Top Side	3750	0.058	-1.97	23.50	23.24	1.062	0.062	/
			135	67	Top Side	3750	0.050	-0.10	23.00	22.76	1.057	0.053	/

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 N41	100M	DFT_QPSK	1	271	Front side	2592.99	0.447	-0.37	19.80	19.58	1.052	0.470	/
			135	67	Front side	2640	0.366	0.10	19.80	19.53	1.064	0.389	/
			1	271	Back Side	2592.99	0.638	3.89	19.80	19.58	1.052	0.671	90
			135	67	Back Side	2640	0.525	1.43	19.80	19.53	1.064	0.559	/
			1	271	Left Side	2592.99	0.323	1.07	19.80	19.58	1.052	0.340	/
			135	67	Left Side	2640	0.266	3.92	19.80	19.53	1.064	0.283	/
			1	271	Right Side	2592.99	0.175	-2.66	19.80	19.58	1.052	0.184	/
			135	67	Right Side	2640	0.146	-1.02	19.80	19.53	1.064	0.155	/
			1	271	Top Side	2592.99	0.567	3.99	19.80	19.58	1.052	0.596	/
			135	67	Top Side	2640	0.469	3.05	19.80	19.53	1.064	0.499	/
LTE Band 5	10M	QPSK	1	49	Front side	844	0.162	-0.12	24.50	24.34	1.038	0.168	/
			25	24	Front side	829	0.135	-0.49	23.50	23.32	1.042	0.141	/
			1	49	Back Side	844	0.227	-0.32	24.50	24.34	1.038	0.236	56
			25	24	Back Side	829	0.117	-1.62	23.50	23.32	1.042	0.122	/
			1	49	Left Side	844	0.160	3.96	24.50	24.34	1.038	0.166	/
			25	24	Left Side	829	0.129	3.25	23.50	23.32	1.042	0.134	/
			1	49	Right Side	844	0.116	2.39	24.50	24.34	1.038	0.120	/
			25	24	Right Side	829	0.097	-0.24	23.50	23.32	1.042	0.101	/
			1	49	Top Side	844	0.022	-2.40	24.50	24.34	1.038	0.023	/
			25	24	Top Side	829	0.018	3.48	23.50	23.32	1.042	0.019	/
			1	49	Bottom Side	844	0.174	0.05	24.50	24.34	1.038	0.181	/
			25	24	Bottom Side	829	0.143	-1.71	23.50	23.32	1.042	0.149	/



Band	Mode	Max SAR	NSA N41+B5
		(W/Kg)	
NSA N41+B5	SA N41	0.671	0.907
	LTE B5	0.236	
	SA N41 Back Side	0.671	0.907
	LTE B5 Back Side	0.236	
	SA N41 Top Side	0.596	0.619
	LTE B5 Top Side	0.023	

Note:

1. The test separation of all above table is 10mm.
2. 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
3. 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 N38	40M	DFT_QPSK	1	104	Left Cheek	2600	0.788	3.34	20.00	19.88	1.028	0.810
SA N77	100M	DFT_QPSK	1	271	Left Side	3750	0.760	3.58	23.50	23.24	1.062	0.807
SA N78	100M	DFT_QPSK	1	271	Left Side	3750	0.784	2.15	23.50	23.24	1.062	0.833

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 N38	40M	DFT_QPSK	1	104	Left Cheek	2600	0.794	0.788	1.008
SA N77	100M	DFT_QPSK	1	271	Left Side	3750	0.789	0.760	1.038
SA N78	100M	DFT_QPSK	1	271	Left Side	3750	0.790	0.784	1.007

Note:

1. Per KDB 865664 D01,for each frequency band ,repeated SAR measurement is required only when the measured SAR is $\geq 0.8\text{W/Kg}$.
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 $< 1.45\text{W/Kg}$, 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 $\geq 1.45\text{W/Kg}$.
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+ Bluetooth+2.4G/5G WLAN+NFC
	2.WCDMA+ Bluetooth+2.4G/5G WLAN+NFC
	3.LTE+ Bluetooth+2.4G/5G WLAN+NFC
	4.SA+ Bluetooth+2.4G/5G WLAN+NFC
	5.NSA+ Bluetooth+2.4G/5G WLAN+NFC
Body	1.GSM+ Bluetooth+2.4G/5G WLAN+NFC
	2.WCDMA+ Bluetooth+2.4G/5G WLAN+NFC
	3.LTE+ Bluetooth+2.4G/5G WLAN+NFC
	4.SA+ Bluetooth+2.4G/5G WLAN+NFC
	5.NSA+ Bluetooth+2.4G/5G WLAN+NFC

NOTE:

1. Bluetooth and WLAN can't simultaneous transmission at the same time.
2. 2.4G WLAN and 5G 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) (max. power of channel, including tune-up tolerance, mW)/(min. test separation distance, mm)]·[√f (GHz) /x] W/kg for test separation distances≤ 50 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 >50mm.

Estimated SAR		Maximum Turn-up Power		Antenna to user(mm)	Frequency(GHz)	Stand Alone SAR(1g) [W/kg]
		dBm	mW			
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 + BT + 2.4G WLAN + NFC	Head	GSM	0.159	0.579
		NFC	0.0000005	
		BT	0.112	
		2.4G WLAN	0.308	
	Body	GSM	0.652	1.106
		NFC	0.0000005	
		BT	0.098	
		2.4G WLAN	0.356	
GSM + BT+ 5G WLAN+ NFC	Head	GSM	0.159	1.015
		NFC	0.0000005	
		BT	0.112	
		5G WLAN	0.744	
	Body	GSM	0.652	1.465
		NFC	0.0000005	
		BT	0.098	
		5G WLAN	0.715	
WCDMA + BT + 2.4G WLAN + NFC	Head	WCDMA	0.181	0.601
		NFC	0.0000005	
		BT	0.112	
		2.4G WLAN	0.308	
	Body	WCDMA	0.791	1.245
		NFC	0.0000005	
		BT	0.098	
		2.4G WLAN	0.356	
WCDMA + BT + 5G WLAN+ NFC	Head	WCDMA	0.181	1.037
		NFC	0.0000005	
		BT	0.112	
		5G WLAN	0.744	
	Body Back Side	WCDMA	0.791	1.351
		NFC	0.0000005	
		BT	0.098	
		5G WLAN	0.462	
	Body Top Side	WCDMA	0.791	1.541
		NFC	0.0000005	
		BT	0.098	
		5G WLAN	0.652	
LTE + BT + 2.4G WLAN + NFC	Head	LTE	0.447	0.867
		NFC	0.0000005	
		BT	0.112	
		2.4G WLAN	0.308	
	Body	LTE	0.795	1.249
		NFC	0.0000005	
		BT	0.098	
		2.4G WLAN	0.356	
	Head	LTE	0.447	1.303



LTE + BT + 5G WLAN+ NFC		NFC	0.0000005	
		BT	0.112	
		5G WLAN	0.744	
	Body Back Side	LTE	0.795	1.355
		NFC	0.0000005	
		BT	0.098	
		5G WLAN	0.462	
	Body Top Side	LTE	0.795	1.545
		NFC	0.0000005	
		BT	0.098	
		5G WLAN	0.652	
NR SA + BT + 2.4G WLAN + NFC	Head	NR SA	0.816	1.236
		NFC	0.0000005	
		BT	0.112	
		2.4G WLAN	0.308	
	Body	NR SA	0.839	1.293
		NFC	0.0000005	
		BT	0.098	
		2.4G WLAN	0.356	
NR SA + BT + 5G WLAN+ NFC	Head Right Cheek	NR SA	0.577	1.433
		NFC	0.0000005	
		BT	0.112	
		5G WLAN	0.744	
	Head Left Cheek	NR SA	0.816	1.565
		NFC	0.0000005	
		BT	0.112	
		5G WLAN	0.637	
	Body Back Side	NR SA	0.839	1.399
		NFC	0.0000005	
		BT	0.098	
		5G WLAN	0.462	
	Body Top Side	NR SA	0.839	1.589
		NFC	0.0000005	
		BT	0.098	
		5G WLAN	0.652	
NSA + BT + 2.4G WLAN + NFC	Head	NSA	0.789	1.209
		NFC	0.0000005	
		BT	0.112	
		2.4G WLAN	0.308	
	Body	NSA	0.907	1.361
		NFC	0.0000005	
		BT	0.098	
		2.4G WLAN	0.356	
NSA + BT + 5G WLAN+ NFC	Head Right Cheek	NSA	0.559	1.415
		NFC	0.0000005	
		BT	0.112	
		5G WLAN	0.744	
	Head Left Cheek	NSA	0.789	1.538



		NFC	0.0000005	
		BT	0.112	
		5G WLAN	0.637	
	Body Back Side	NSA	0.907	1.467
		NFC	0.0000005	
		BT	0.098	
	Body Top Side	5G WLAN	0.462	1.369
		NSA	0.619	
		NFC	0.0000005	
		BT	0.098	
		5G WLAN	0.652	

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	2025.02.05	2028.02.04
835MHz Dipole	MVG	DIP0G835	SN 06/22 DIP0G835-639	2025.02.05	2028.02.04
1800MHz Dipole	MVG	DIP1G800	SN 06/22 DIP1G800-640	2025.02.05	2028.02.04
1900MHz Dipole	MVG	DIP1G900	SN 06/22 DIP1G900-641	2025.02.05	2028.02.04
2300MHz Dipole	MVG	DIP2G300	SN 06/22 DIP2G100-644	2025.02.05	2028.02.04
2450MHz Dipole	MVG	DIP2G450	SN 06/22 DIP2G450-645	2025.02.05	2028.02.04
2600MHz Dipole	MVG	DIP2G600	SN 06/22 DIP2G600-646	2025.02.05	2028.02.04
3700MHz Dipole	MVG	DIP3G700	SN 06/22 DIP3G700-648	2025.02.05	2028.02.04
3900MHz Dipole	MVG	DIP3G900	SN 06/22 DIP3G900-649	2025.02.05	2028.02.04
5000MHz Dipole	MVG	DIP5G000	SN 06/22 DIP5G000-653	2025.02.05	2028.02.04
E-Field Probe	MVG	EPGO364	SN 04/22 EPGO364	2025.02.05	2026.02.04
Liquid Calibration Kit	MVG	OCPG 87	SN 06/22 OCPG87	2025.02.05	2026.02.04
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	SHWDPCP	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)

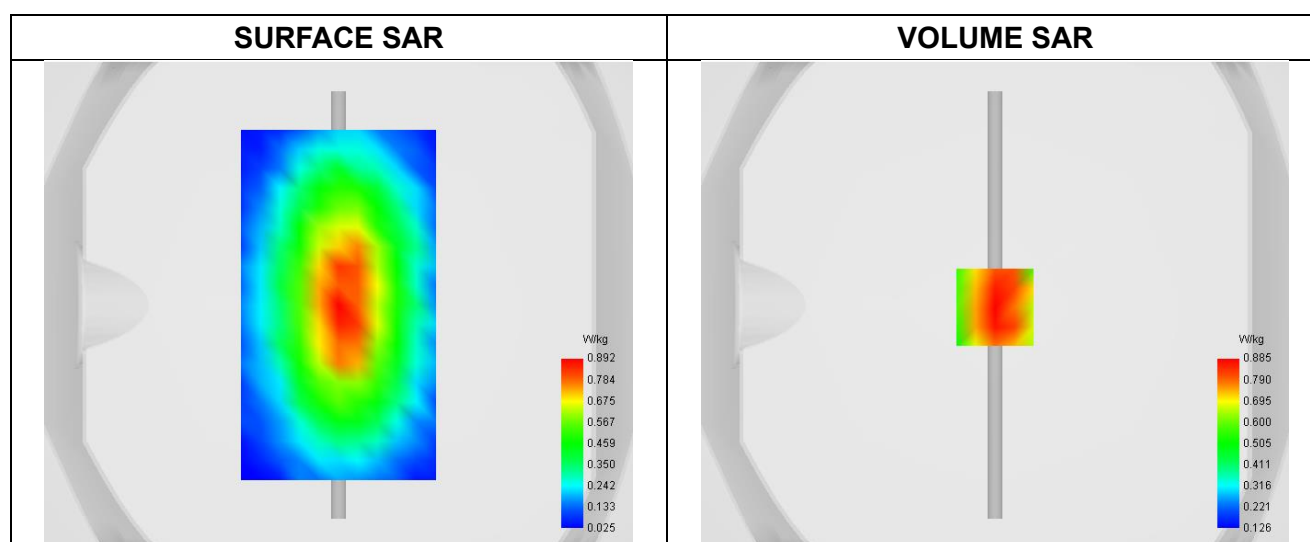
Area scan resolution: dx=8mm,dy=8mm

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

Date of measurement: 2025-06-05

Experimental conditions.

Phantom	Validation plane
Device Position	Dipole
Band	CW750
Channels	Middle
Signal	CW
Frequency (MHz)	750.000
Relative permittivity	42.16
Conductivity (S/m)	0.86
Probe	SN 04/22 EPGO364
ConvF	1.67
Crest factor:	1:1

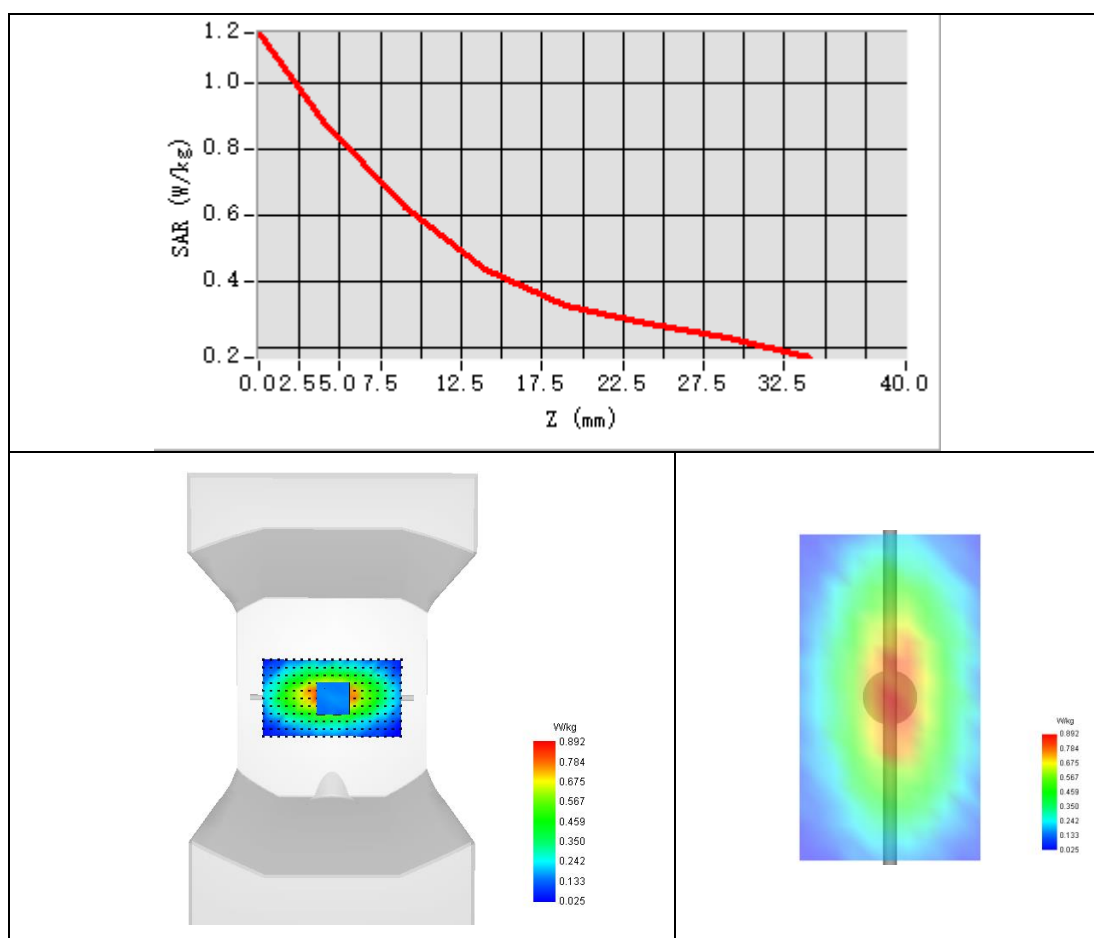


Maximum location: X=0.00, Y=-1.00 ; SAR Peak: 1.17 W/kg

SAR 10g (W/Kg)	0.566
SAR 1g (W/Kg)	0.820



Z Axis Scan





System Performance Check Data (835MHz)

Type: Phone measurement (Complete)

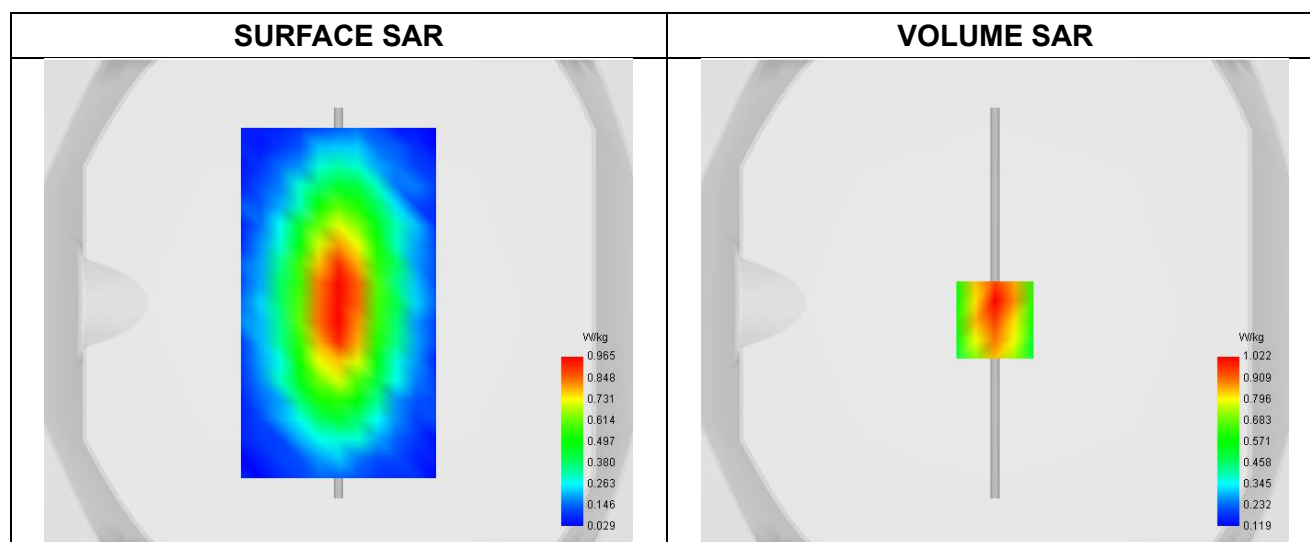
Area scan resolution: dx=8mm,dy=8mm

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

Date of measurement: 2025-06-08

Experimental conditions.

Phantom	Validation plane
Device Position	Dipole
Band	CW835
Channels	Middle
Signal	CW
Frequency (MHz)	835.000
Relative permittivity	41.02
Conductivity (S/m)	0.92
Probe	SN 04/22 EPGO364
ConvF	1.72
Crest factor:	1:1

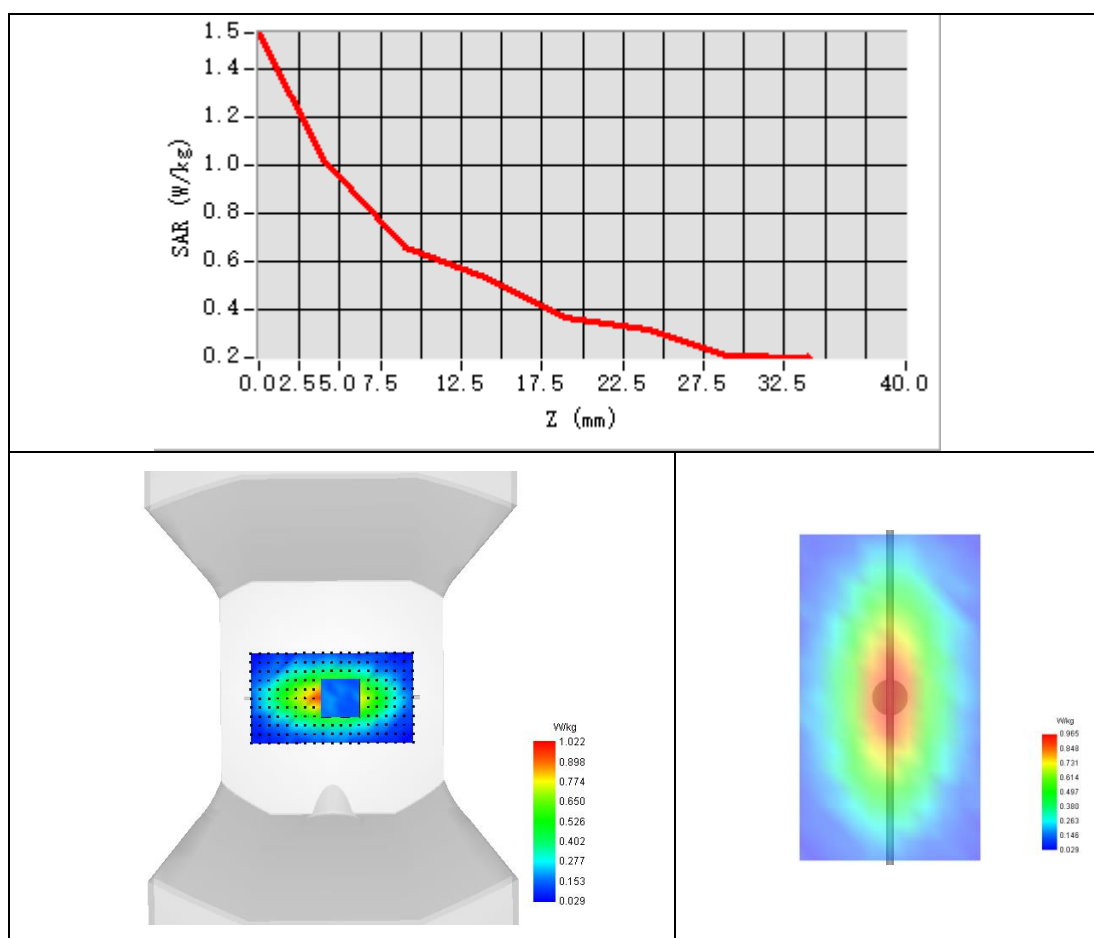


Maximum location: X=0.00, Y=-7.00 ; SAR Peak: 1.49 W/kg

SAR 10g (W/Kg)	0.640
SAR 1g (W/Kg)	0.933



Z Axis Scan





System Performance Check Data (835MHz)

Type: Phone measurement (Complete)

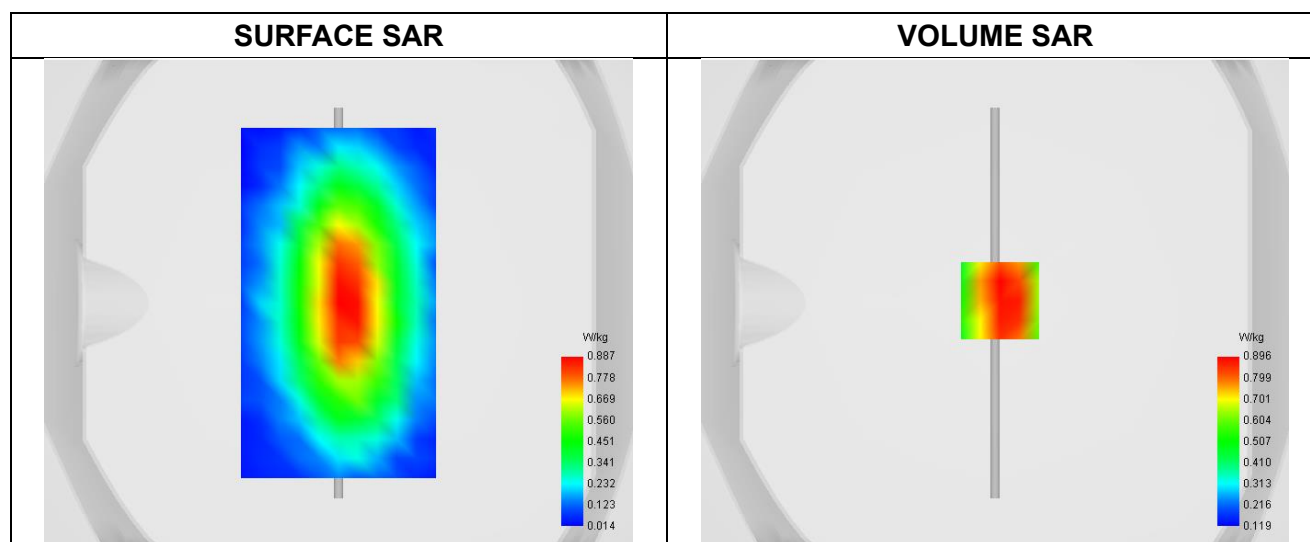
Area scan resolution: dx=8mm,dy=8mm

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

Date of measurement: 2025-06-13

Experimental conditions.

Phantom	Validation plane
Device Position	Dipole
Band	CW835
Channels	Middle
Signal	CW
Frequency (MHz)	835.000
Relative permittivity	41.71
Conductivity (S/m)	0.91
Probe	SN 04/22 EPGO364
ConvF	1.72
Crest factor:	1:1

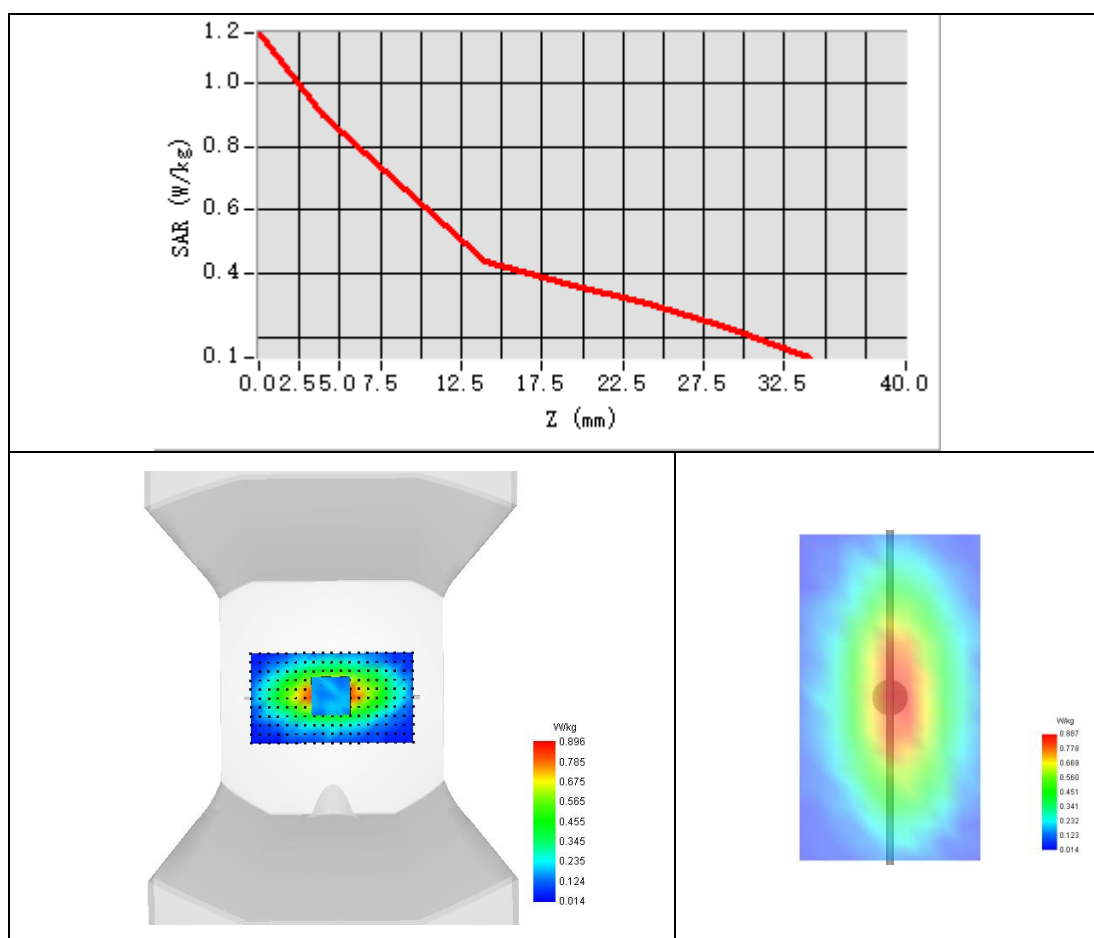


Maximum location: X=2.00, Y=1.00 ; SAR Peak: 1.23 W/kg

SAR 10g (W/Kg)	0.613
SAR 1g (W/Kg)	0.981



Z Axis Scan





System Performance Check Data (1800MHz)

Type: Phone measurement (Complete)

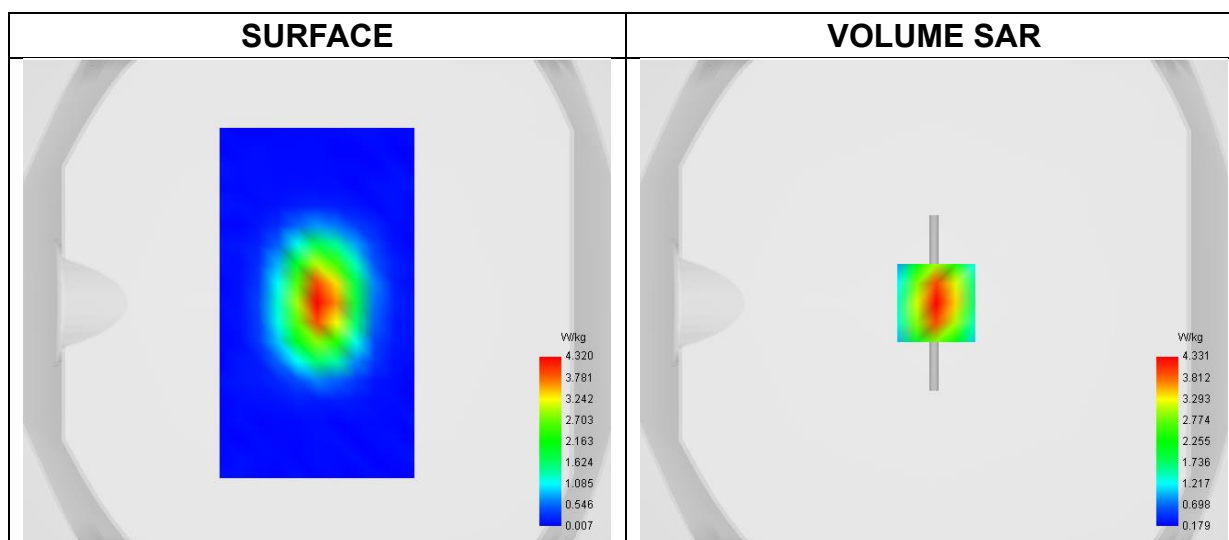
Area scan resolution: dx=8mm, dy=8mm

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

Date of measurement:2025-06-07

Experimental conditions.

Phantom	Validation plane
Device Position	Dipole
Band	CW1800
Channels	Middle
Signal	CW
Frequency (MHz)	1800.000
Relative permittivity	40.80
Conductivity (S/m)	1.35
Probe	SN 04/22 EPGO364
ConvF	1.92
Crest factor:	1:1

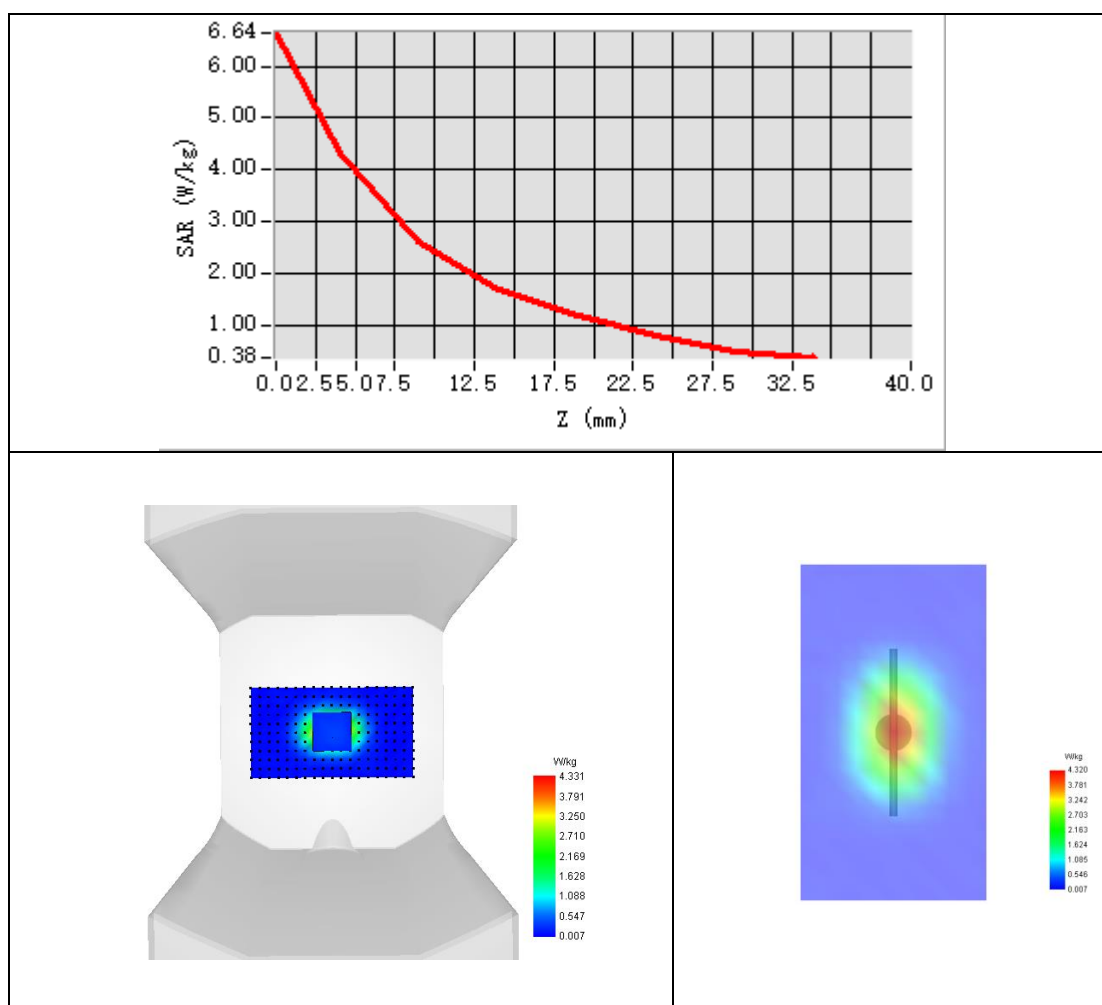


Maximum location: X=1.00, Y=0.00 ; SAR Peak: 6.57 W/kg

SAR 10g (W/Kg)	2.049
SAR 1g (W/Kg)	3.956



Z Axis Scan





System Performance Check Data (1800MHz)

Type: Phone measurement (Complete)

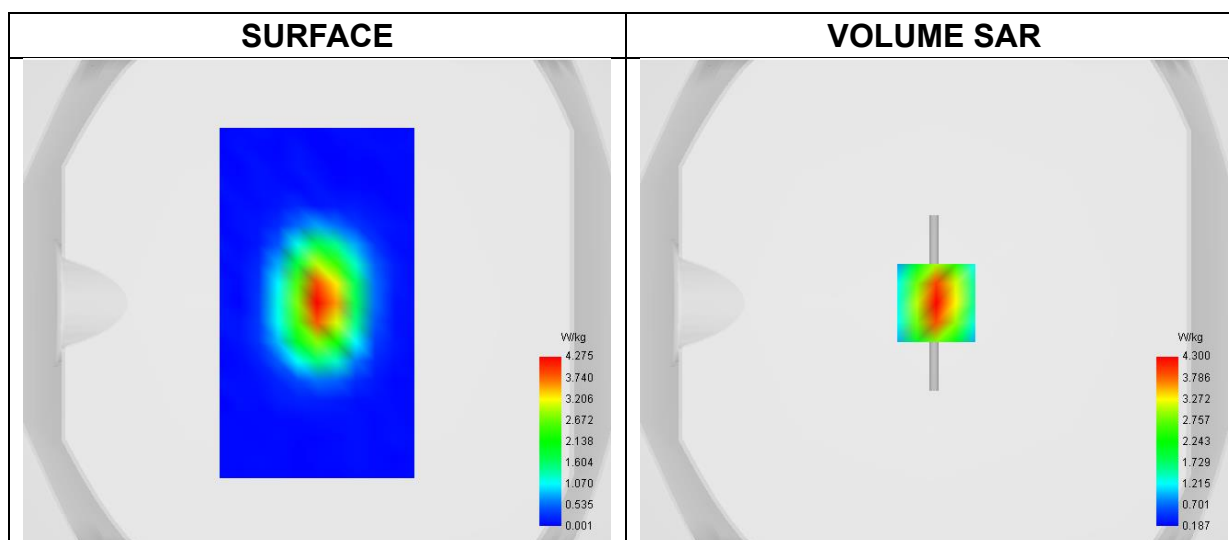
Area scan resolution: dx=8mm, dy=8mm

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

Date of measurement:2025-06-09

Experimental conditions.

Phantom	Validation plane
Device Position	Dipole
Band	CW1800
Channels	Middle
Signal	CW
Frequency (MHz)	1800.000
Relative permittivity	41.02
Conductivity (S/m)	1.35
Probe	SN 04/22 EPGO364
ConvF	1.92
Crest factor:	1:1

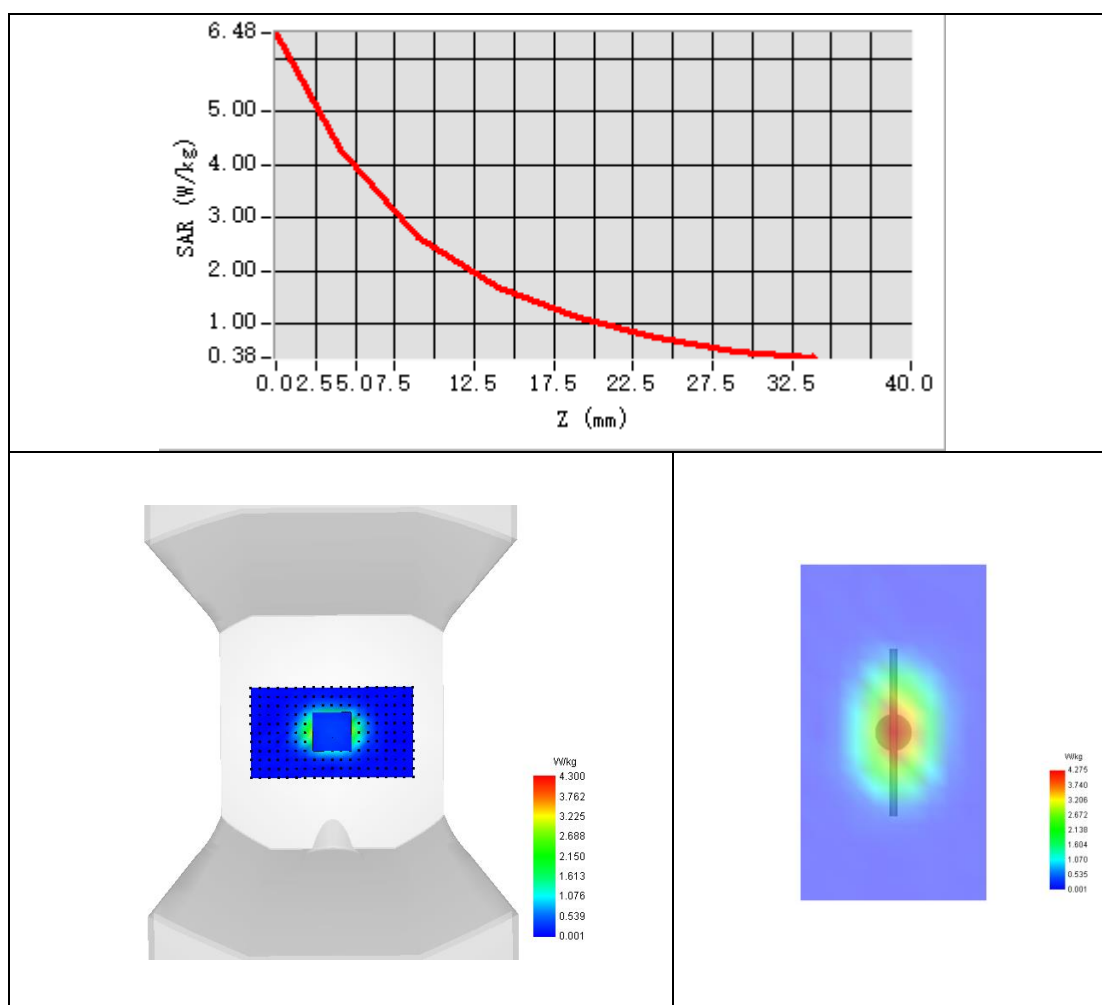


Maximum location: X=1.00, Y=0.00 ; SAR Peak: 6.41 W/kg

SAR 10g (W/Kg)	2.035
SAR 1g (W/Kg)	3.881



Z Axis Scan





System Performance Check Data (1900MHz)

Type: Phone measurement (Complete)

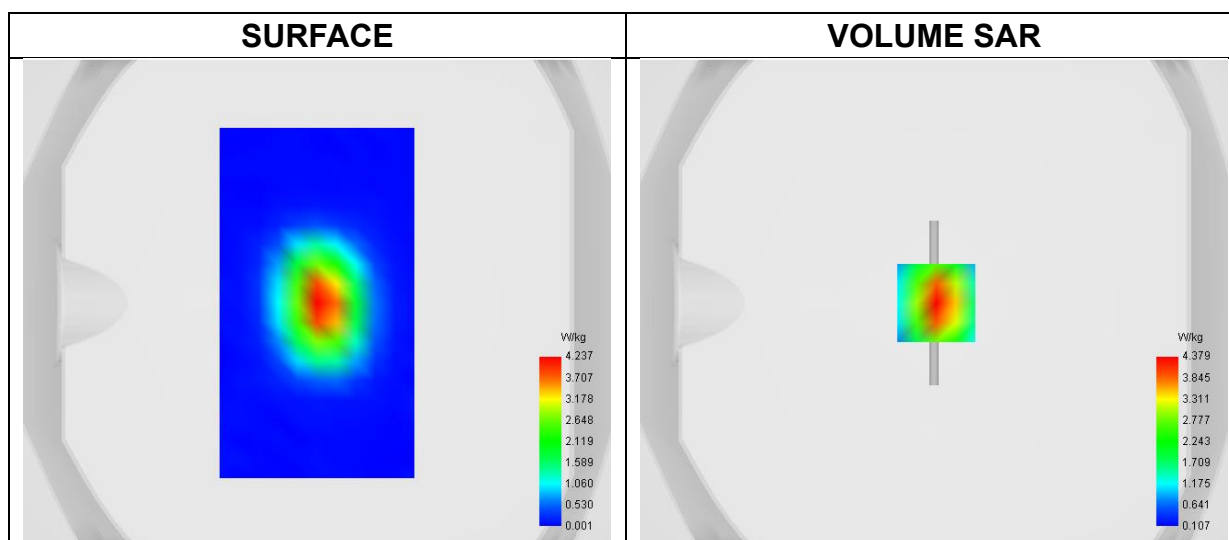
Area scan resolution: dx=8mm, dy=8mm

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

Date of measurement:2025-06-06

Experimental conditions.

Phantom	Validation plane
Device Position	Dipole
Band	CW1900
Channels	Middle
Signal	CW
Frequency (MHz)	1900.000
Relative permittivity	41.18
Conductivity (S/m)	1.44
Probe	SN 04/22 EPGO364
ConvF	2.20
Crest factor:	1:1

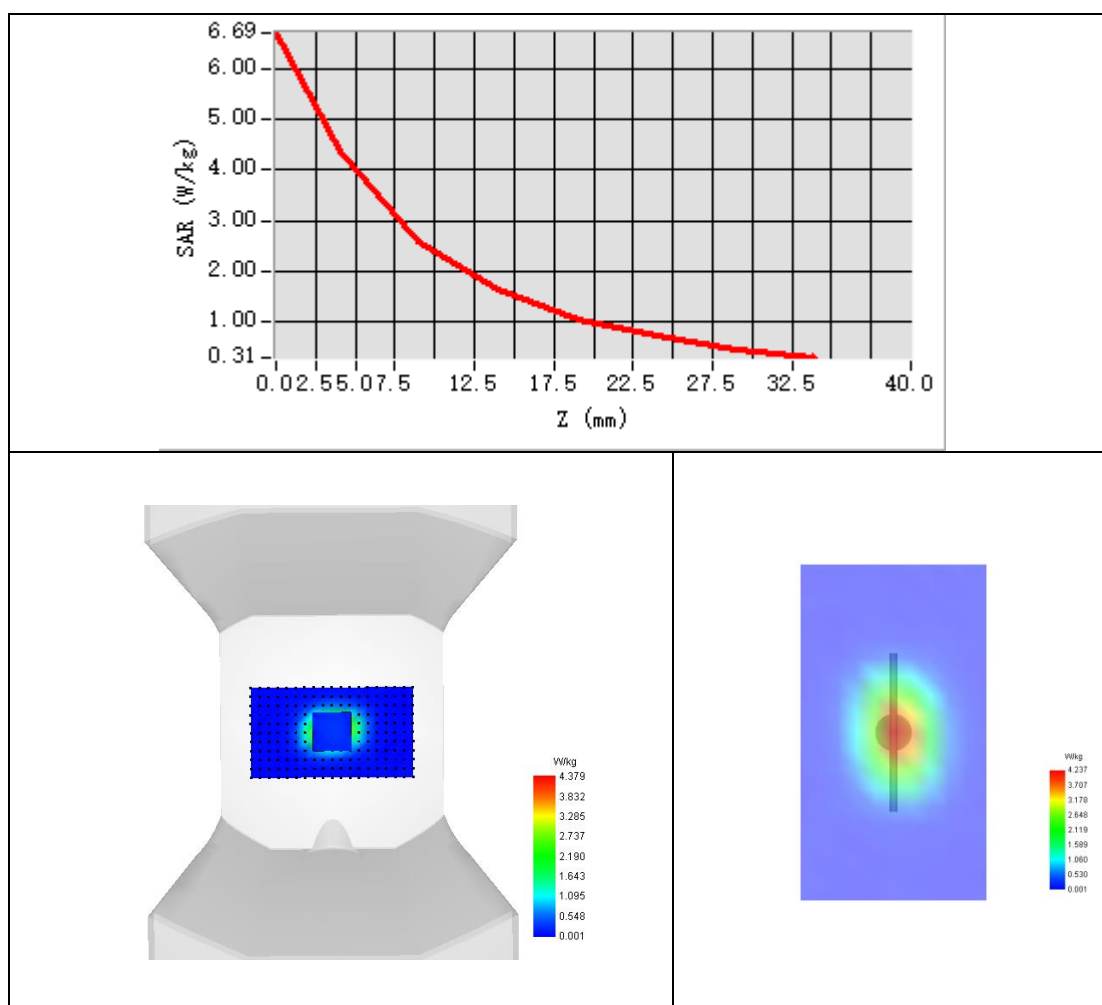


Maximum location: X=1.00, Y=0.00 ; SAR Peak: 6.64 W/kg

SAR 10g (W/Kg)	2.042
SAR 1g (W/Kg)	4.143



Z Axis Scan





System Performance Check Data (1900MHz)

Type: Phone measurement (Complete)

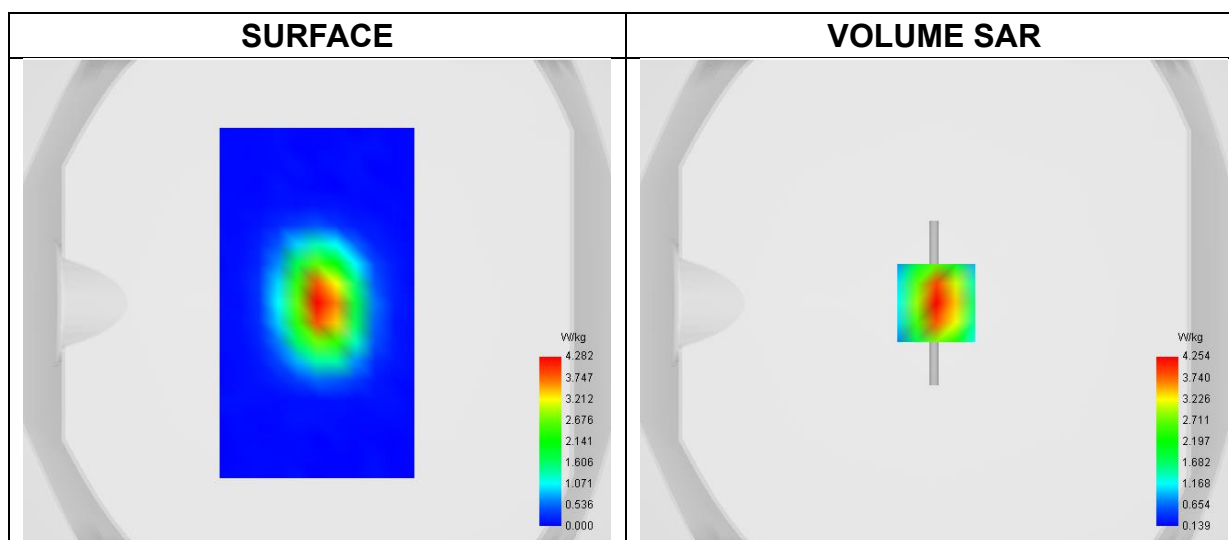
Area scan resolution: dx=8mm, dy=8mm

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

Date of measurement:2025-06-09

Experimental conditions.

Phantom	Validation plane
Device Position	Dipole
Band	CW1900
Channels	Middle
Signal	CW
Frequency (MHz)	1900.000
Relative permittivity	41.09
Conductivity (S/m)	1.42
Probe	SN 04/22 EPGO364
ConvF	2.20
Crest factor:	1:1

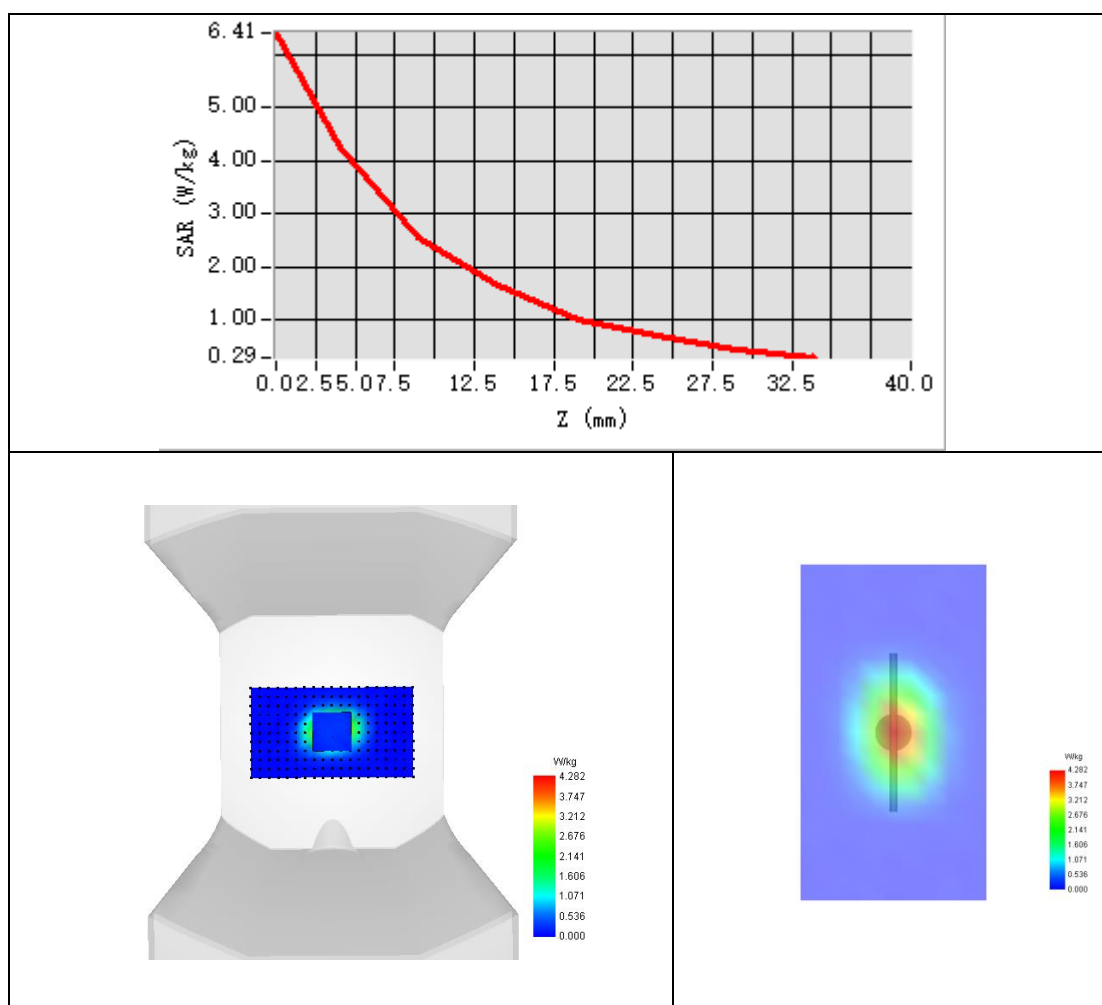


Maximum location: X=1.00, Y=0.00 ; SAR Peak: 6.43 W/kg

SAR 10g (W/Kg)	2.061
SAR 1g (W/Kg)	4.105



Z Axis Scan





System Performance Check Data (2300MHz)

Type: Phone measurement (Complete)

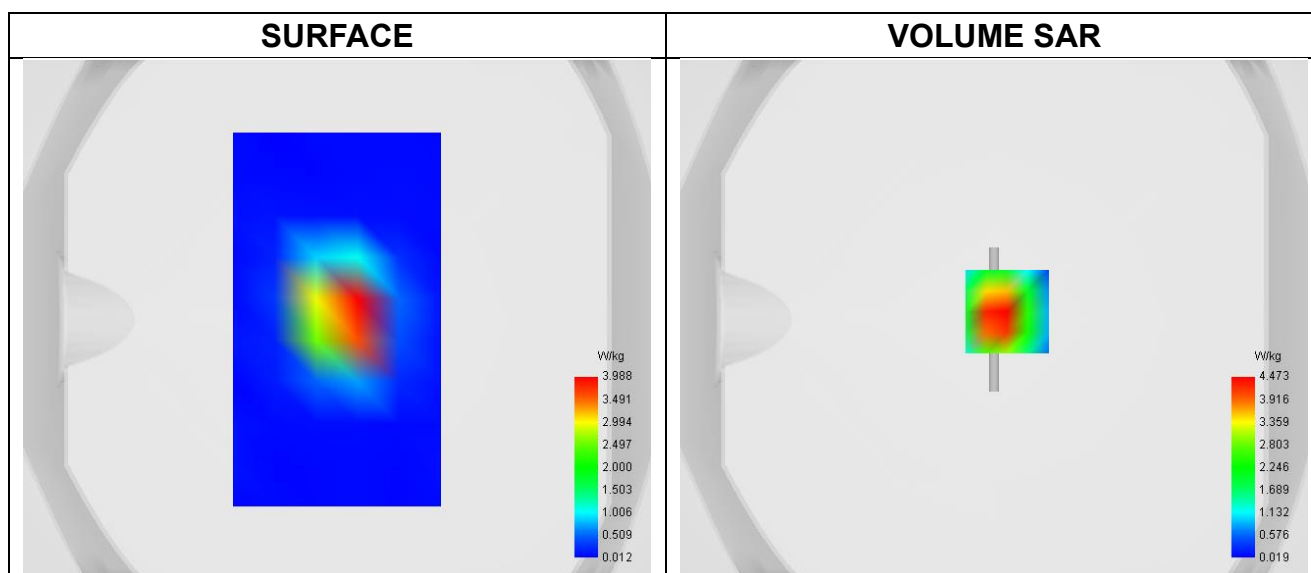
Area scan resolution: dx=8mm, dy=8mm

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

Date of measurement:2025-06-14

Experimental conditions.

Phantom	Validation plane
Device Position	Dipole
Band	CW2300
Channels	Middle
Signal	CW
Frequency (MHz)	2300.000
Relative permittivity	39.82
Conductivity (S/m)	1.67
Probe	SN 04/22 EPGO364
ConvF	2.32
Crest factor:	1:1

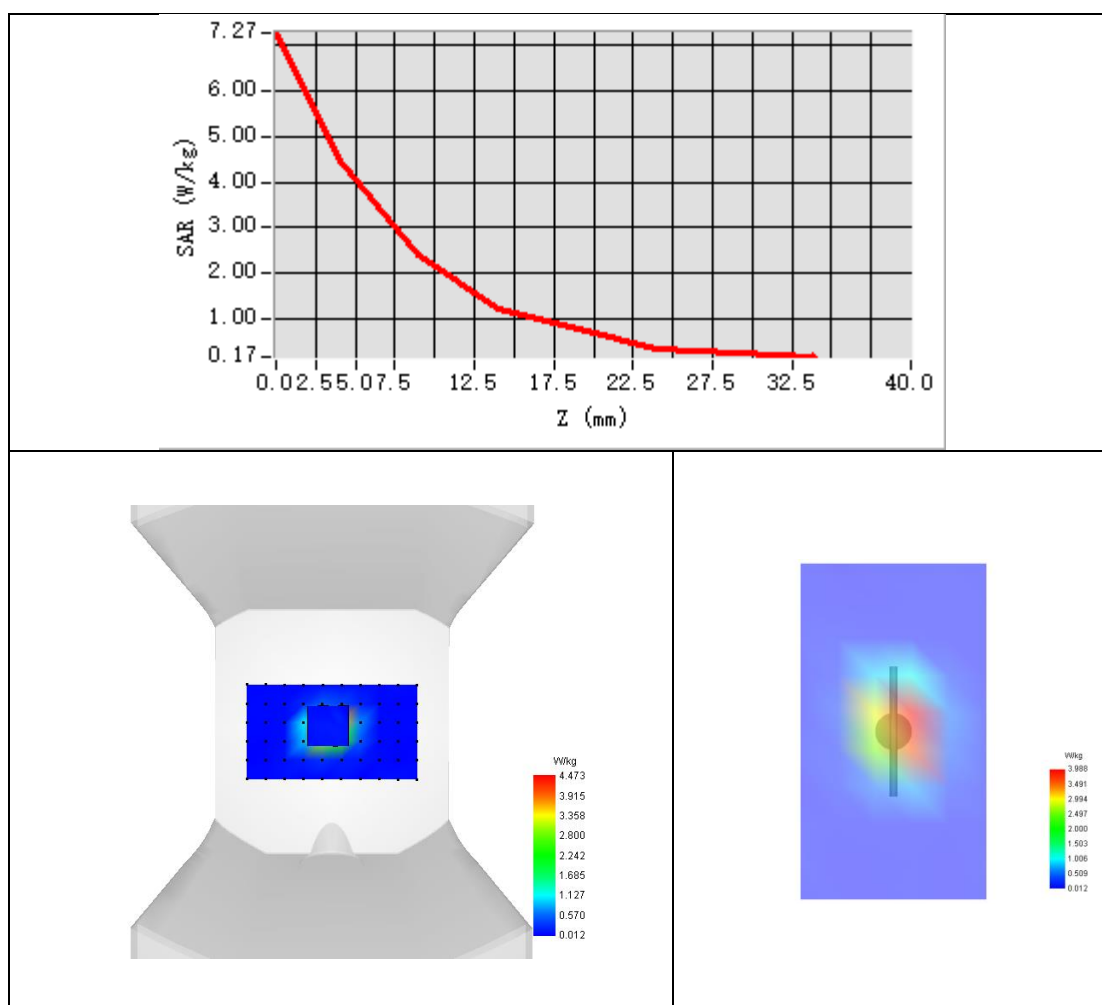


Maximum location: X=5.00, Y=3.00 ; SAR Peak: 7.92 W/kg

SAR 10g (W/Kg)	2.332
SAR 1g (W/Kg)	5.072



Z Axis Scan





System Performance Check Data (2450MHz)

Type: Phone measurement (Complete)

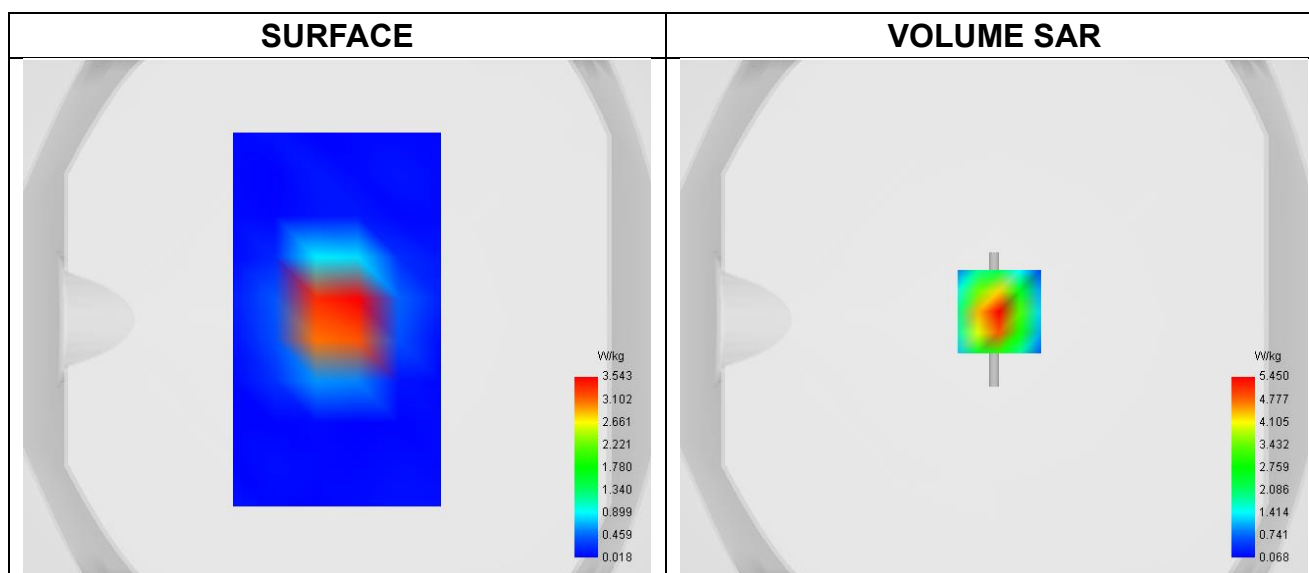
Area scan resolution: dx=8mm, dy=8mm

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

Date of measurement:2025-06-14

Experimental conditions.

Phantom	Validation plane
Device Position	Dipole
Band	CW2450
Channels	Middle
Signal	CW
Frequency (MHz)	2450.000
Relative permittivity	39.79
Conductivity (S/m)	1.79
Probe	SN 04/22 EPGO364
ConvF	2.33
Crest factor:	1:1

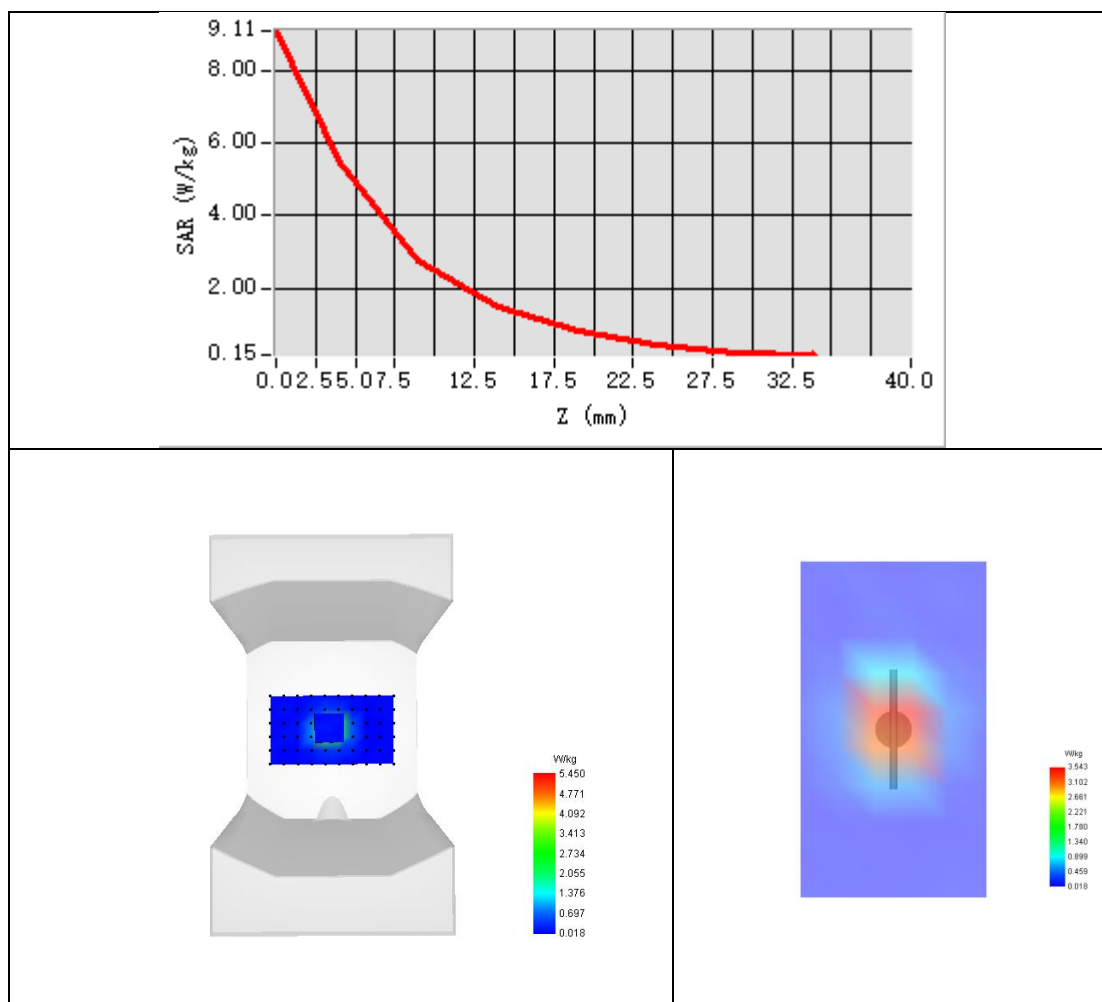


Maximum location: X=2.00, Y=3.00 ; SAR Peak: 9.22 W/kg

SAR 10g (W/Kg)	2.364
SAR 1g (W/Kg)	5.429



Z Axis Scan





System Performance Check Data (2600MHz)

Type: Phone measurement (Complete)

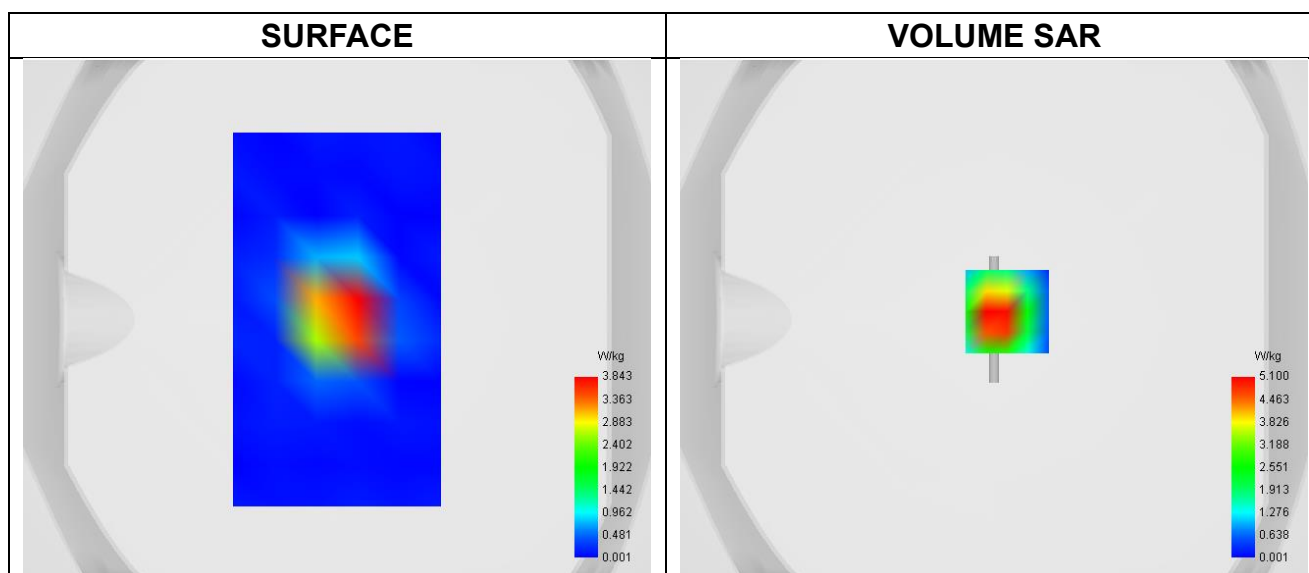
Area scan resolution: dx=8mm, dy=8mm

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

Date of measurement:2025-06-04

Experimental conditions.

Phantom	Validation plane
Device Position	Dipole
Band	CW2600
Channels	Middle
Signal	CW
Frequency (MHz)	2600.000
Relative permittivity	39.27
Conductivity (S/m)	1.94
Probe	SN 04/22 EPGO364
ConvF	2.37
Crest factor:	1:1

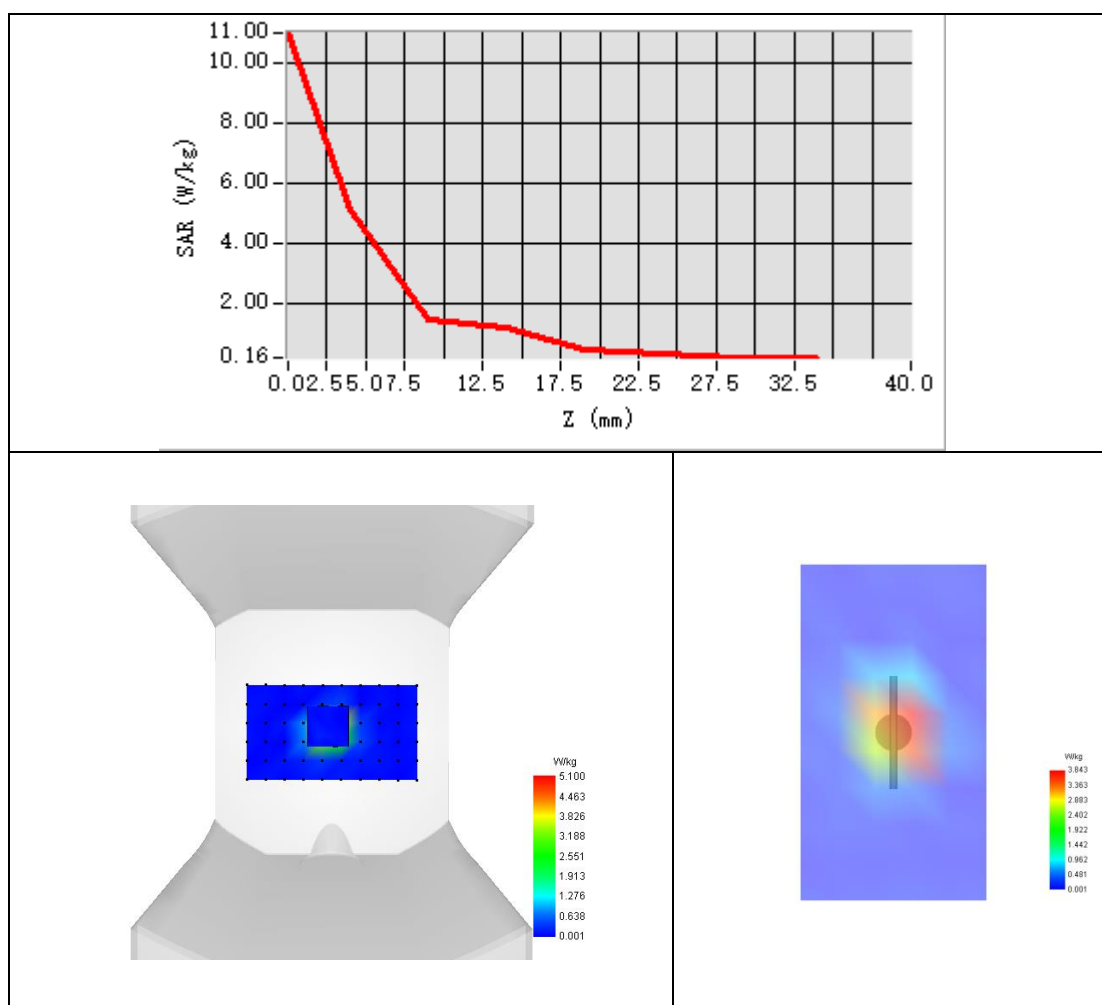


Maximum location: X=5.00, Y=3.00 ; SAR Peak: 9.68 W/kg

SAR 10g (W/Kg)	2.401
SAR 1g (W/Kg)	5.701



Z Axis Scan





System Performance Check Data (2600MHz)

Type: Phone measurement (Complete)

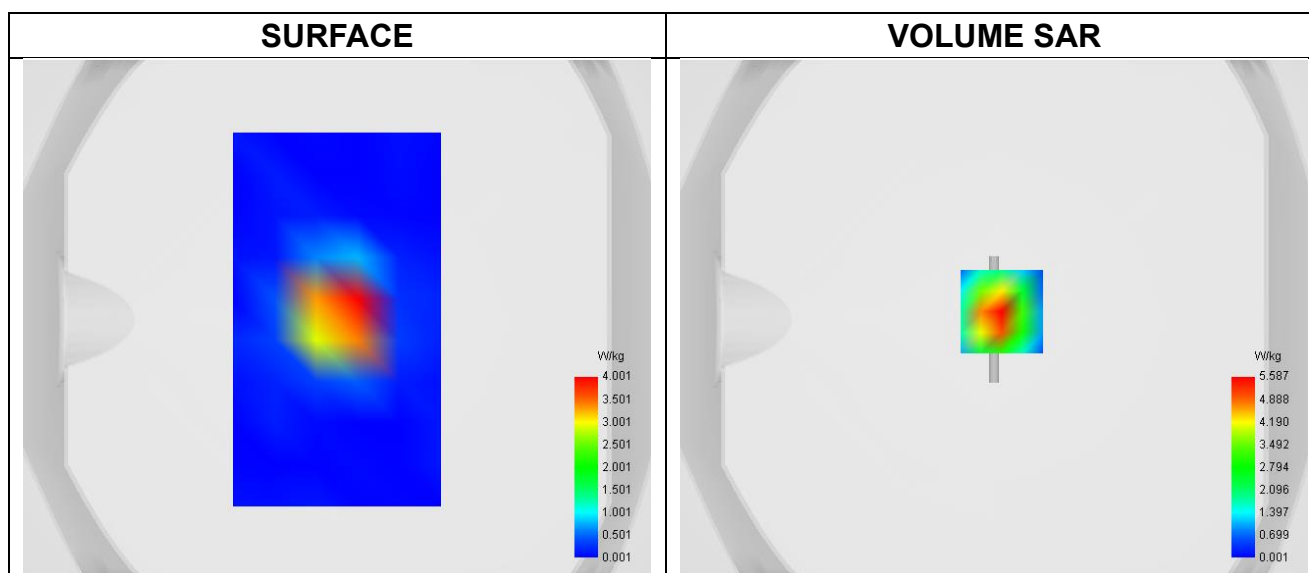
Area scan resolution: dx=8mm, dy=8mm

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

Date of measurement:2025-06-03

Experimental conditions.

Phantom	Validation plane
Device Position	Dipole
Band	CW2600
Channels	Middle
Signal	CW
Frequency (MHz)	2600.000
Relative permittivity	39.53
Conductivity (S/m)	2.01
Probe	SN 04/22 EPGO364
ConvF	2.37
Crest factor:	1:1

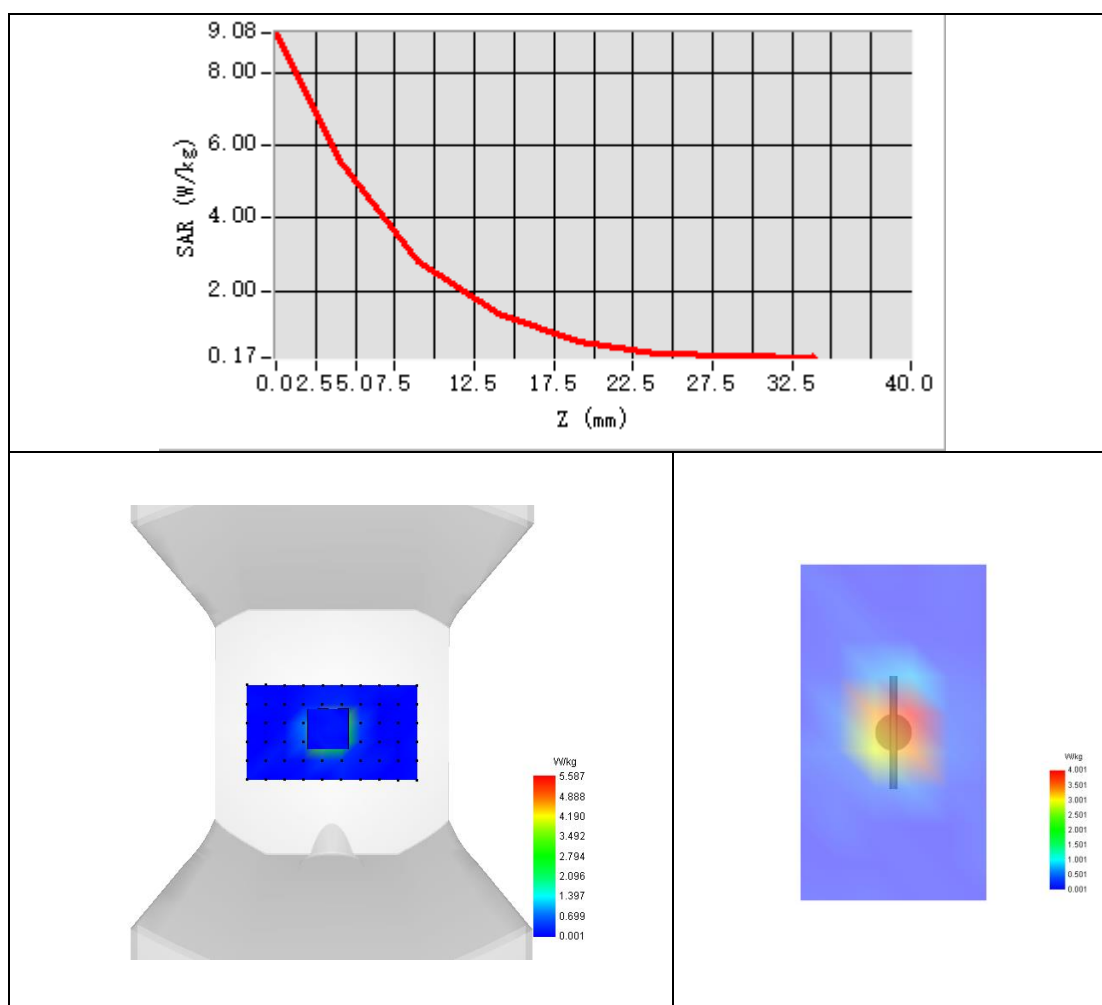


Maximum location: X=3.00, Y=3.00 ; SAR Peak: 9.52 W/kg

SAR 10g (W/Kg)	2.412
SAR 1g (W/Kg)	5.626



Z Axis Scan





System Performance Check Data (3700MHz)

Type: Phone measurement (Complete)

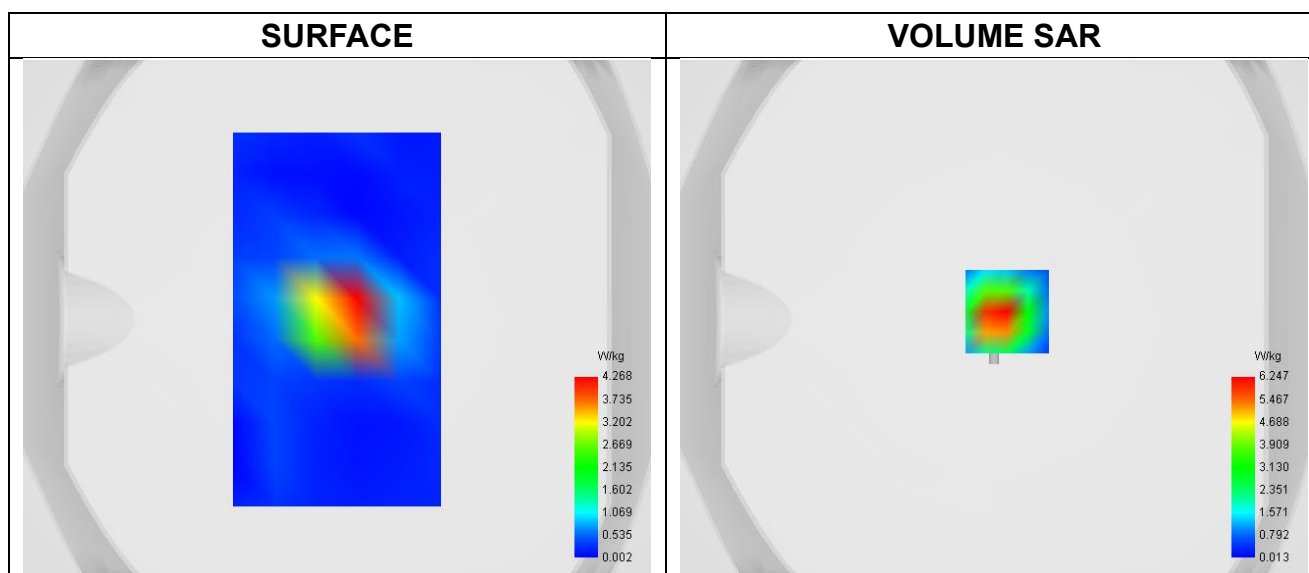
Area scan resolution: dx=4mm, dy=4mm

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

Date of measurement: 2025-06-11

Experimental conditions.

Phantom	Validation plane
Device Position	Dipole
Band	CW3700
Channels	Middle
Signal	CW
Frequency (MHz)	3700.000
Relative permittivity	37.63
Conductivity (S/m)	3.13
Probe	SN 04/22 EPG0364
ConvF	1.81
Crest factor:	1:1

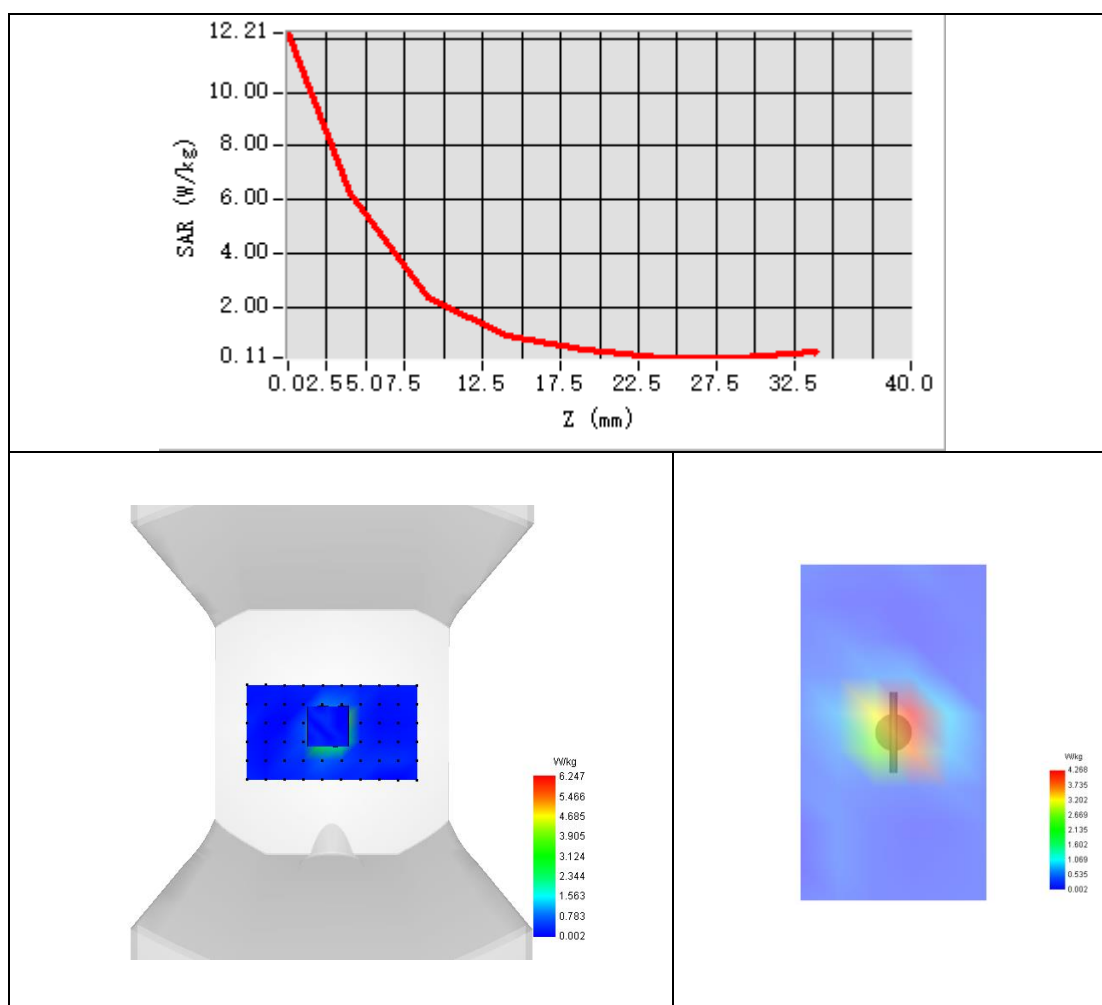


Maximum location: X=5.00, Y=3.00 ; SAR Peak: 12.95 W/kg

SAR 10g (W/Kg)	2.504
SAR 1g (W/Kg)	7.003



Z Axis Scan





System Performance Check Data (3900MHz)

Type: Phone measurement (Complete)

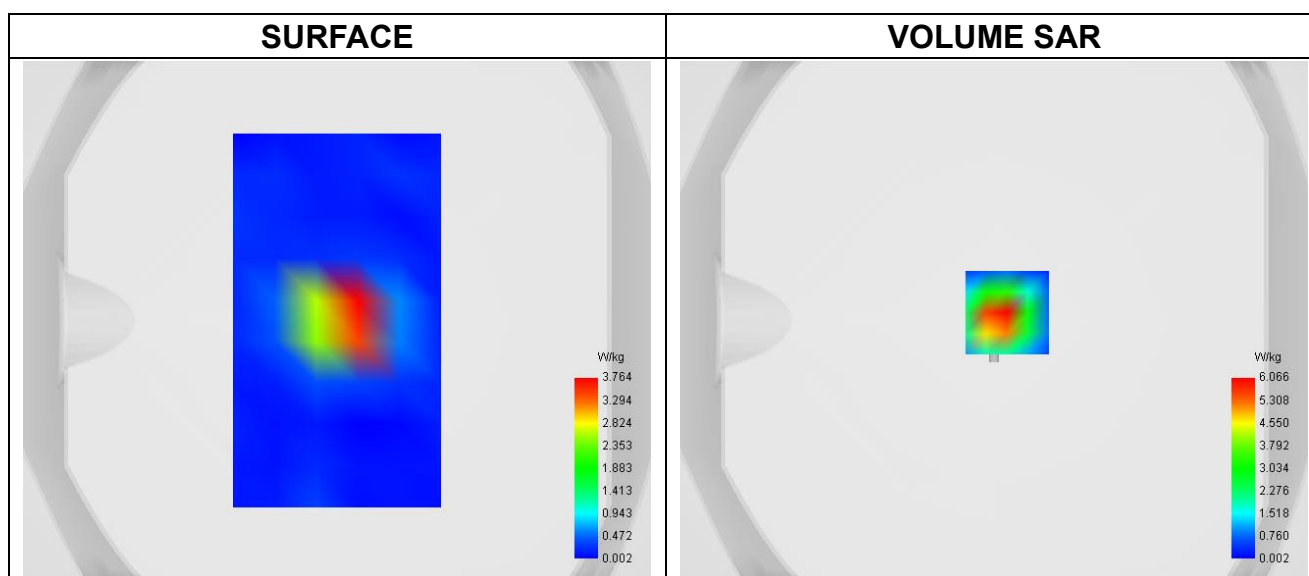
Area scan resolution: dx=4mm, dy=4mm

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

Date of measurement: 2025-06-15

Experimental conditions.

Phantom	Validation plane
Device Position	Dipole
Band	CW3900
Channels	Middle
Signal	CW
Frequency (MHz)	3900.000
Relative permittivity	38.65
Conductivity (S/m)	3.48
Probe	SN 04/22 EPG0364
ConvF	1.81
Crest factor:	1:1

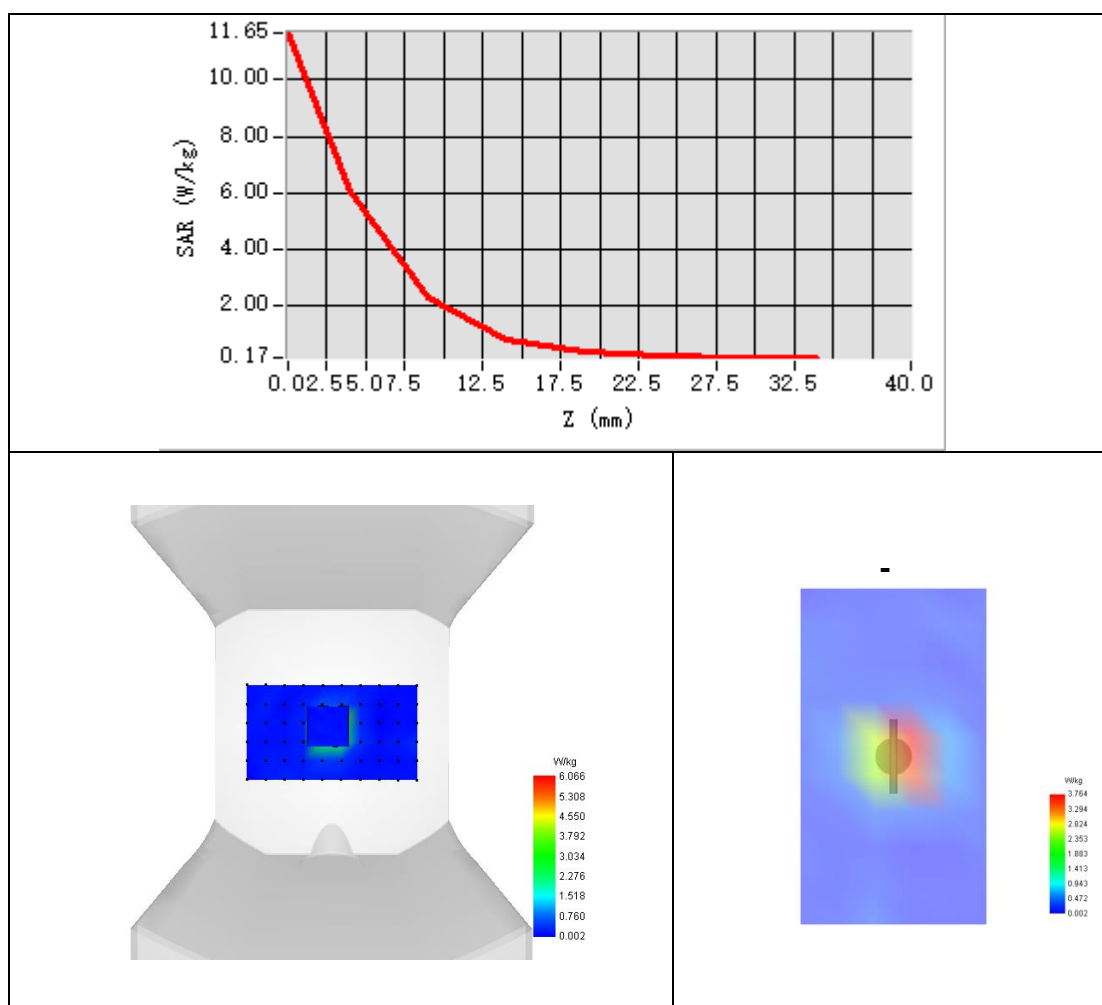


Maximum location: X=5.00, Y=3.00 ; SAR Peak: 12.84 W/kg

SAR 10g (W/Kg)	2.465
SAR 1g (W/Kg)	6.973



Z Axis Scan





System Performance Check Data (5200MHz)

Type: Phone measurement (Complete)

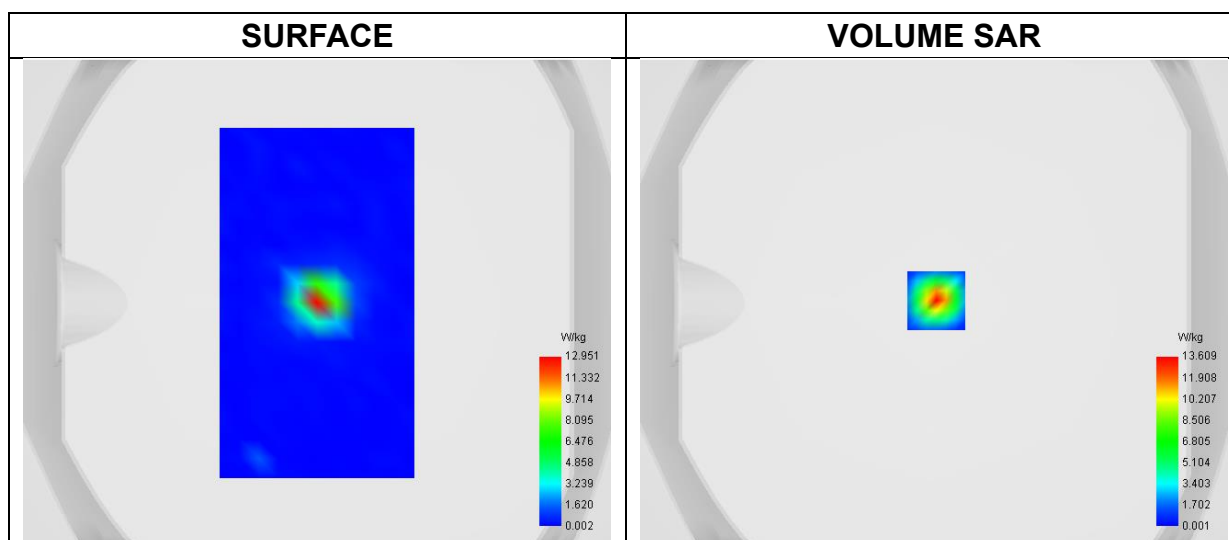
Area scan resolution: dx=4mm, dy=4mm

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

Date of measurement:2025-06-16

Experimental conditions.

Phantom	Validation plane
Device Position	Dipole
Band	CW5200
Channels	Middle
Signal	CW
Frequency (MHz)	5200.000
Relative permittivity	36.35
Conductivity (S/m)	4.60
Probe	SN 04/22 EPGO364
ConvF	1.99
Crest factor:	1:1

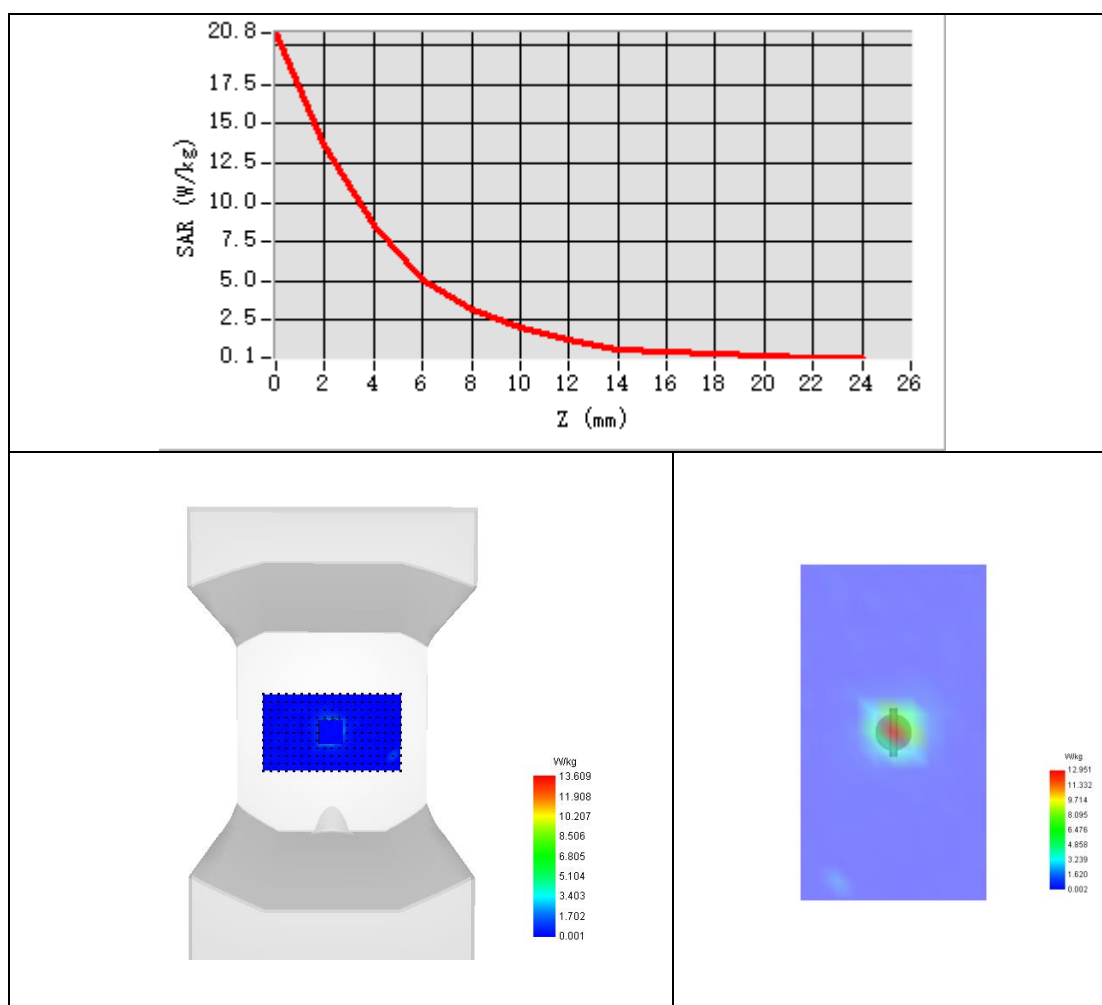


Maximum location: X=1.00, Y=1.00 ; SAR Peak: 21.24 W/kg

SAR 10g (W/Kg)	2.328
SAR 1g (W/Kg)	8.086



Z Axis Scan





System Performance Check Data (5400MHz)

Type: Phone measurement (Complete)

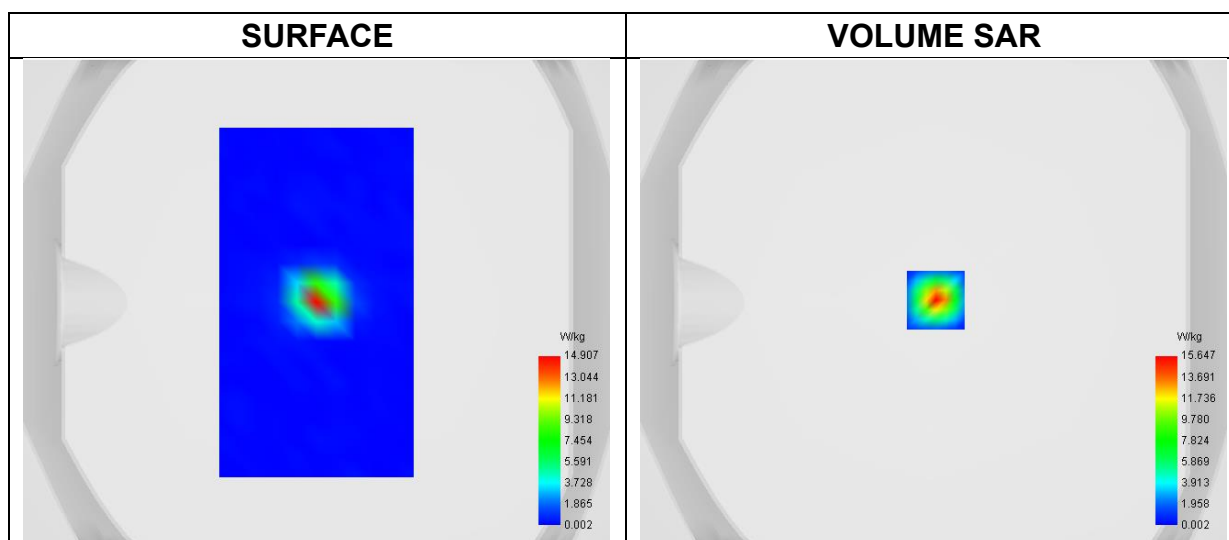
Area scan resolution: dx=4mm, dy=4mm

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

Date of measurement:2025-06-17

Experimental conditions.

Phantom	Validation plane
Device Position	Dipole
Band	CW5400
Channels	Middle
Signal	CW
Frequency (MHz)	5400.000
Relative permittivity	36.54
Conductivity (S/m)	4.82
Probe	SN 04/22 EPGO364
ConvF	1.87
Crest factor:	1:1

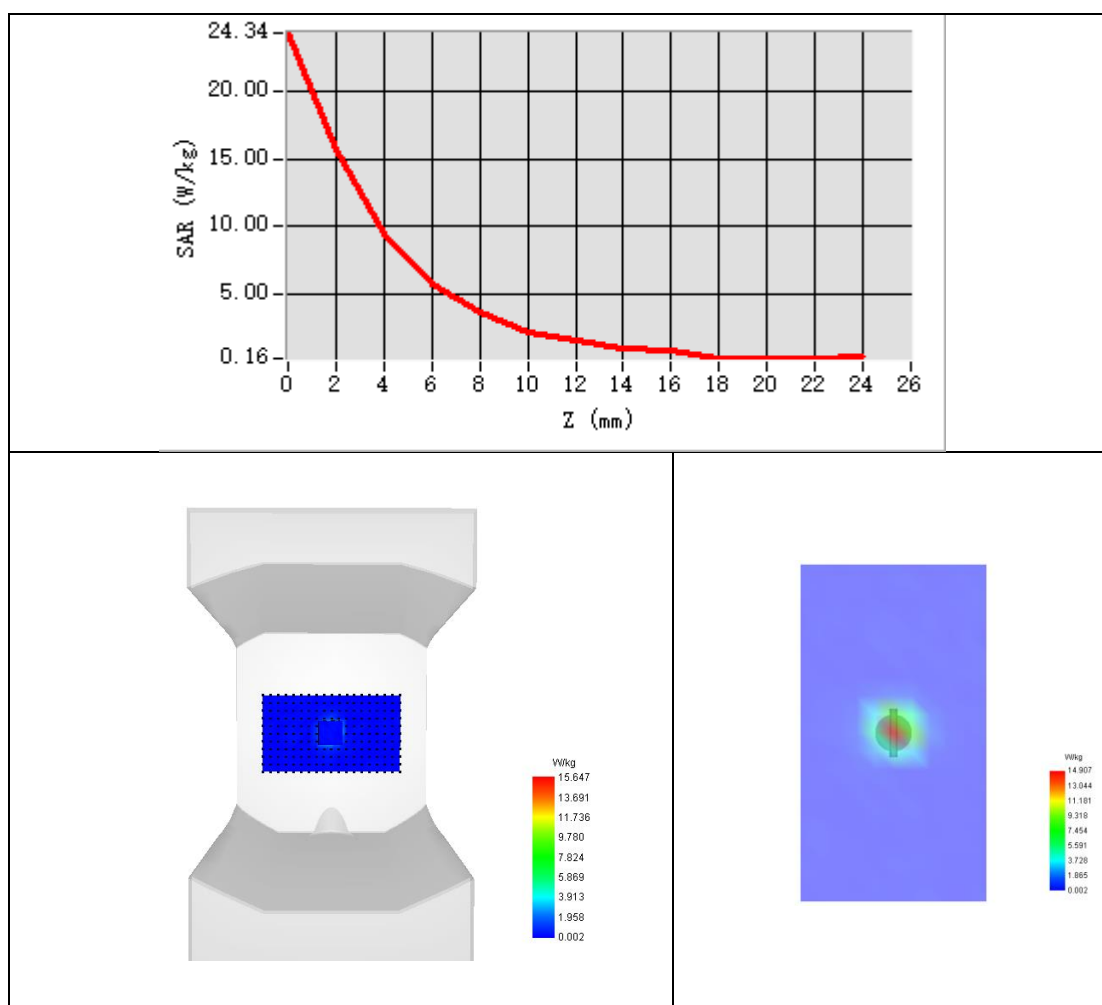


Maximum location: X=1.00, Y=1.00 ; SAR Peak: 24.41 W/kg

SAR 10g (W/Kg)	2.412
SAR 1g (W/Kg)	8.503



Z Axis Scan





System Performance Check Data (5600MHz)

Type: Phone measurement (Complete)

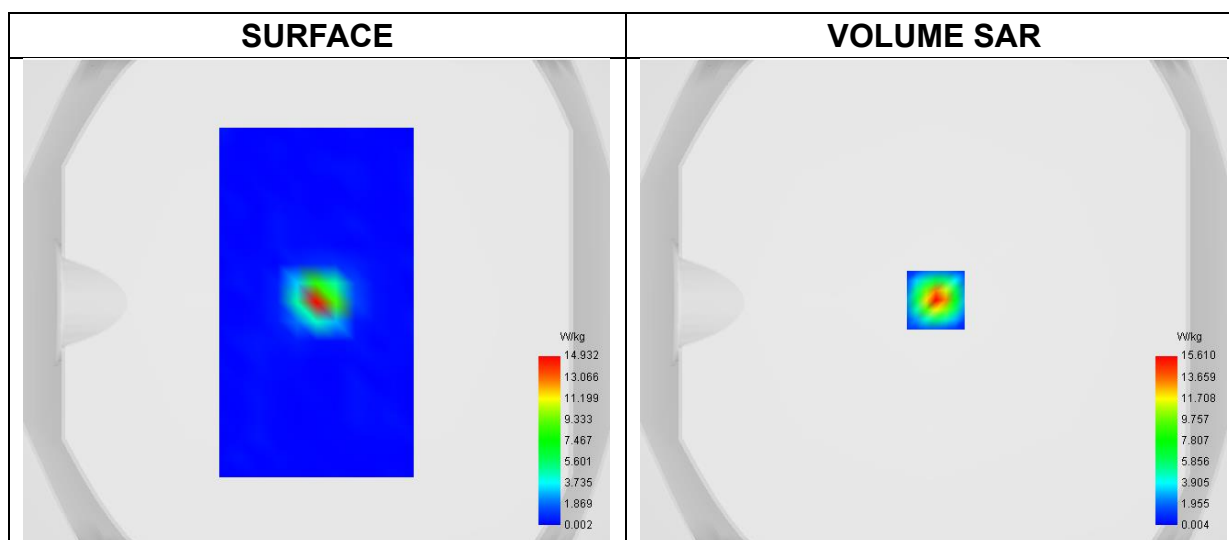
Area scan resolution: dx=4mm, dy=4mm

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

Date of measurement:2025-06-18

Experimental conditions.

Phantom	Validation plane
Device Position	Dipole
Band	CW5600
Channels	Middle
Signal	CW
Frequency (MHz)	5600.000
Relative permittivity	36.61
Conductivity (S/m)	5.05
Probe	SN 04/22 EPGO364
ConvF	1.87
Crest factor:	1:1

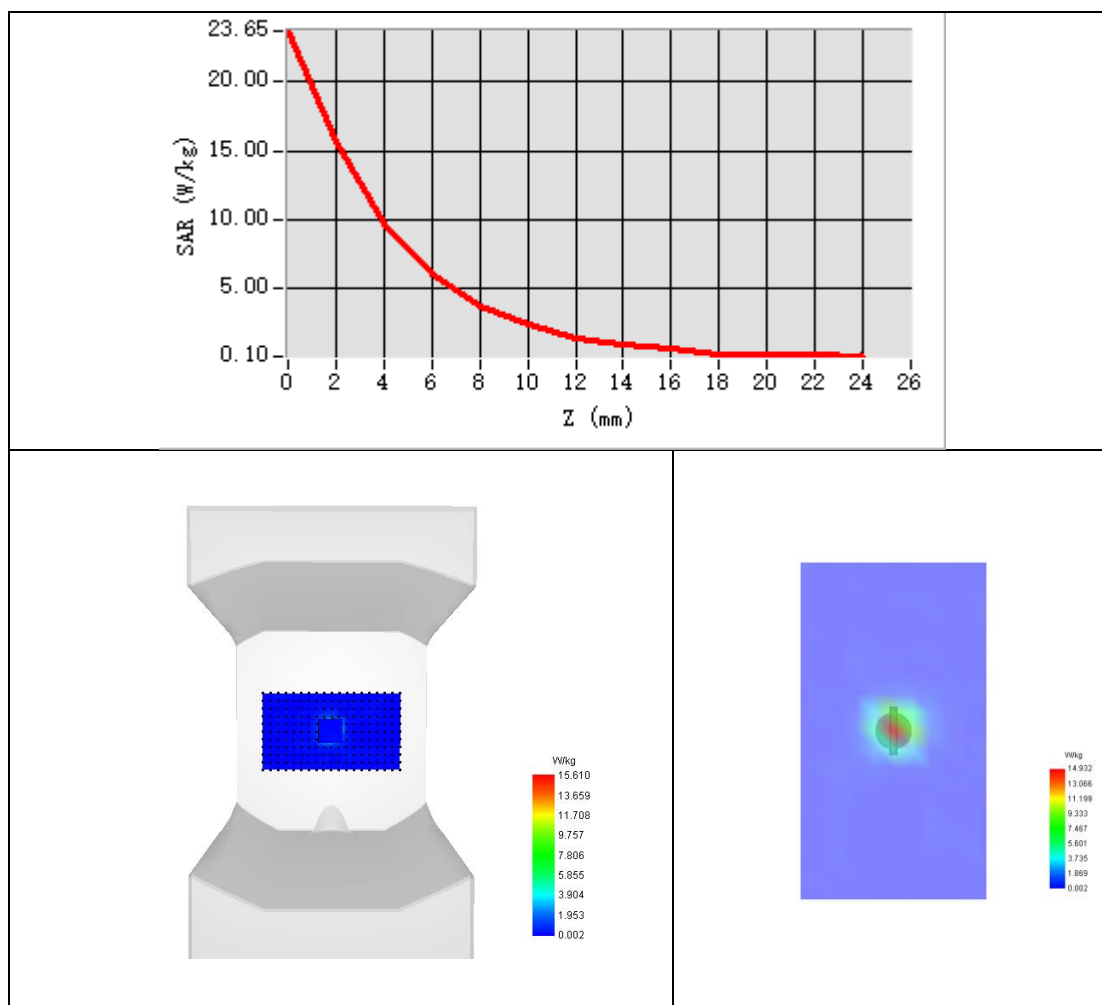


Maximum location: X=1.00, Y=1.00 ; SAR Peak: 23.92 W/kg

SAR 10g (W/Kg)	2.311
SAR 1g (W/Kg)	8.193



Z Axis Scan





System Performance Check Data (5800MHz)

Type: Phone measurement (Complete)

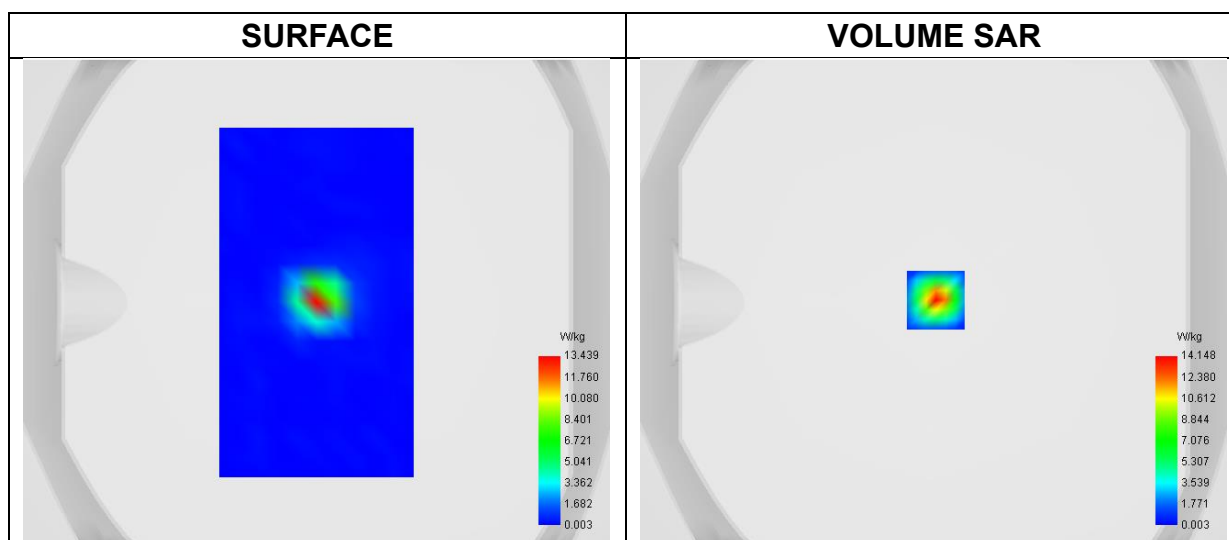
Area scan resolution: dx=4mm, dy=4mm

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

Date of measurement:2025-06-19

Experimental conditions.

Phantom	Validation plane
Device Position	Dipole
Band	CW5800
Channels	Middle
Signal	CW
Frequency (MHz)	5800.000
Relative permittivity	35.89
Conductivity (S/m)	5.23
Probe	SN 04/22 EPG0364
ConvF	1.70
Crest factor:	1:1

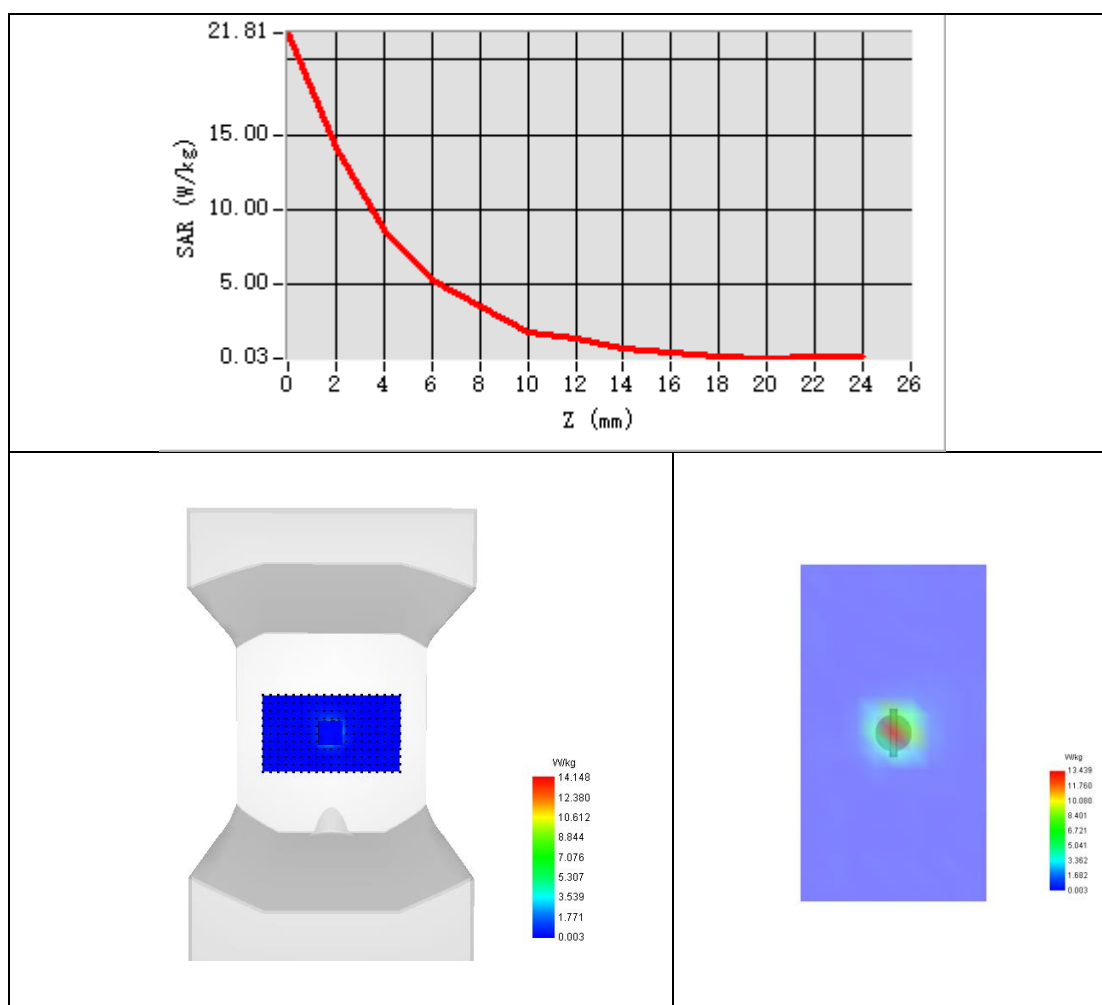


Maximum location: X=1.00, Y=1.00 ; SAR Peak: 25.19 W/kg

SAR 10g (W/Kg)	2.341
SAR 1g (W/Kg)	8.130



Z Axis Scan



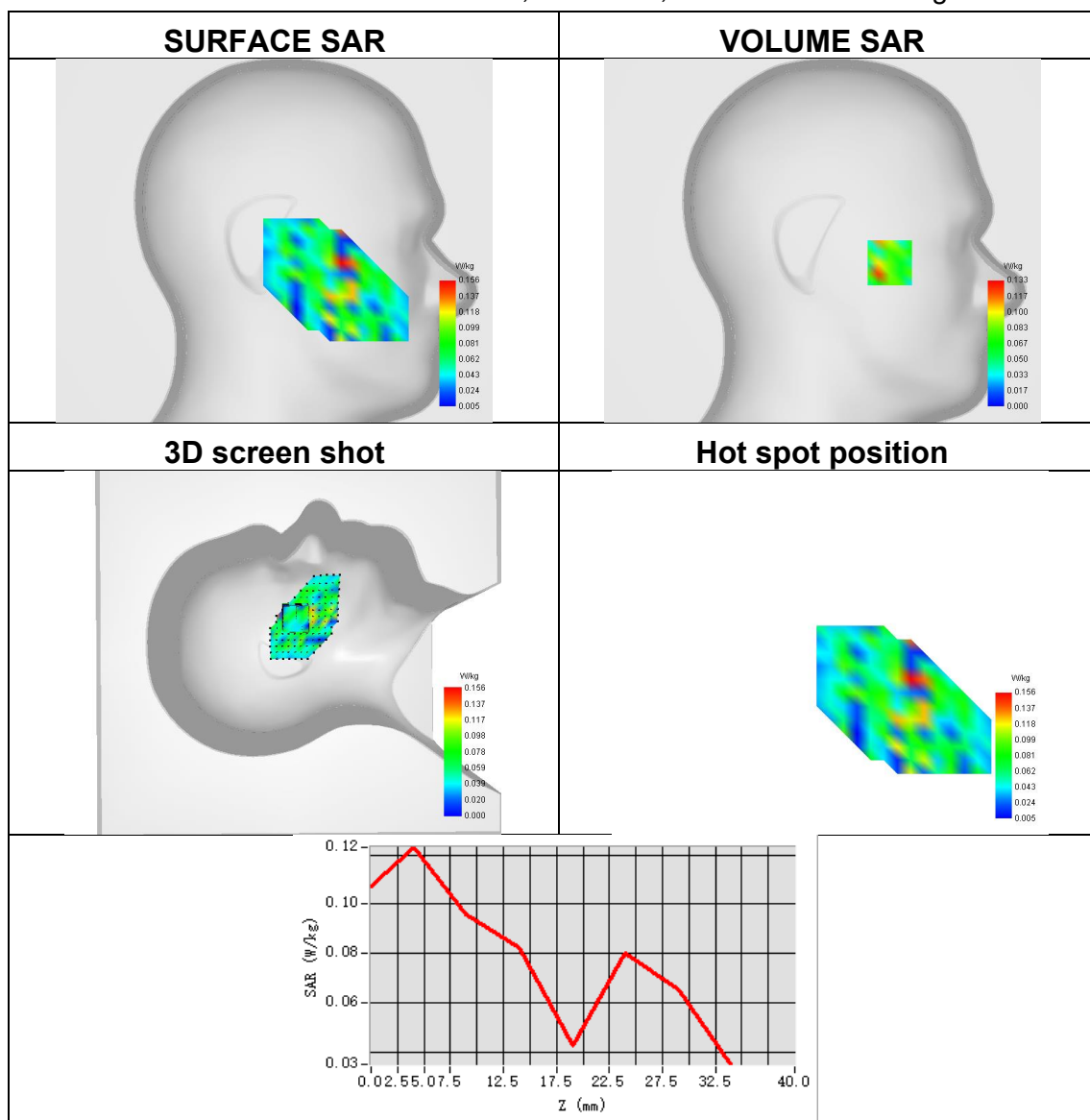


Appendix B. SAR Test Plots

Plot 1:

Test Date	2025-06-08
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)	0.083
SAR 1g (W/Kg)	0.152
ConvF	1.72
Relative permittivity	41.02
Conductivity (S/m)	0.92

Maximum location: X=-48.00, Y=-16.00 ; SAR Peak: 0.33 W/kg

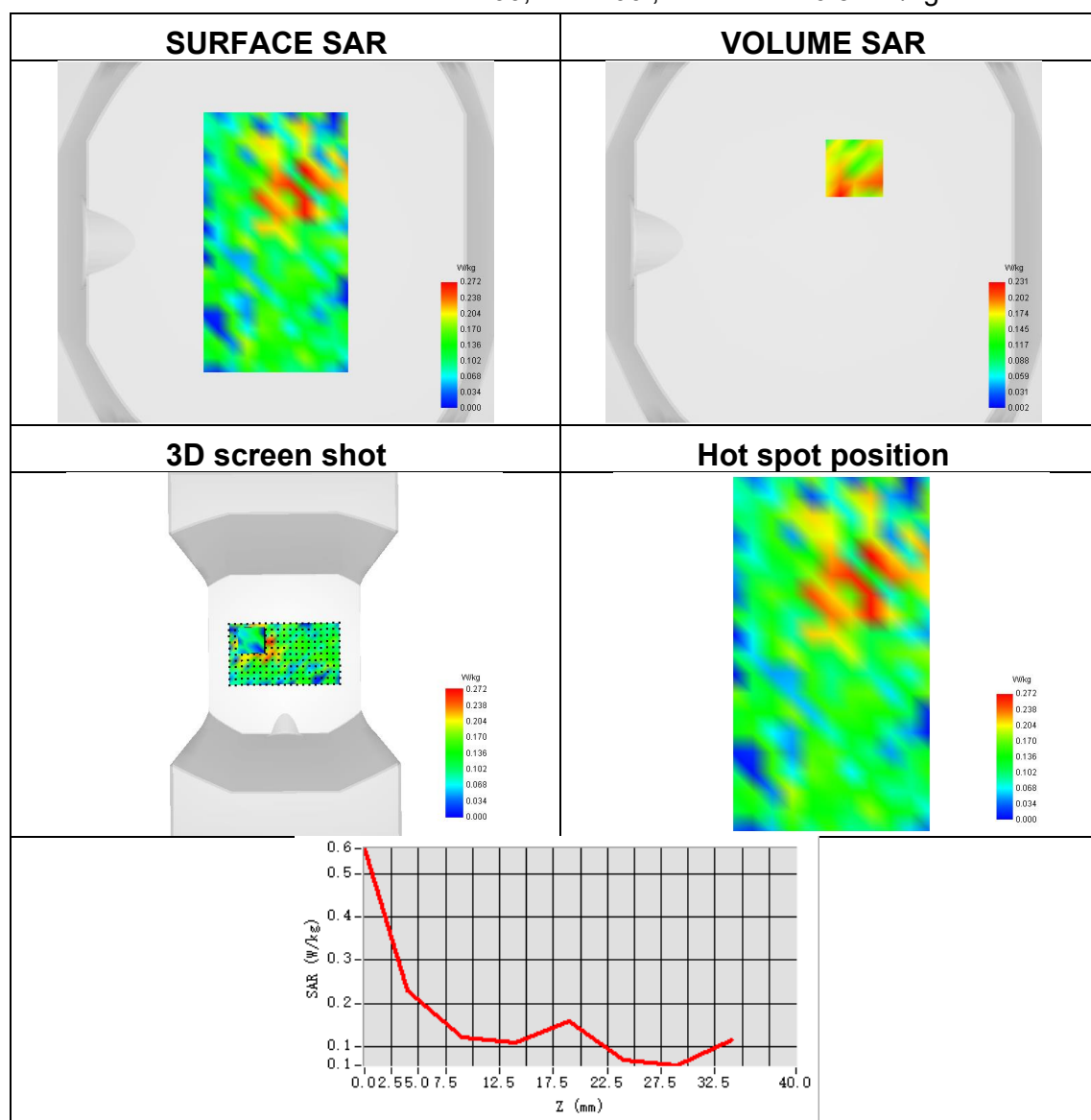




Plot 2:

Test Date	2025-06-08
Area Scan	dx=8mm dy=8mm
Zoom Scan	5x5x7,dx=8mm dy=8mm dz=5mm
Phantom	Validation plane
Device Position	Back Side
Band	GPRS850
Signal	TDMA (GPRS)
Frequency	836.6
SAR 10g (W/Kg)	0.108
SAR 1g (W/Kg)	0.244
ConvF	1.72
Relative permittivity	41.02
Conductivity (S/m)	0.92

Maximum location: X=17.00, Y=41.00 ; SAR Peak: 0.51 W/kg

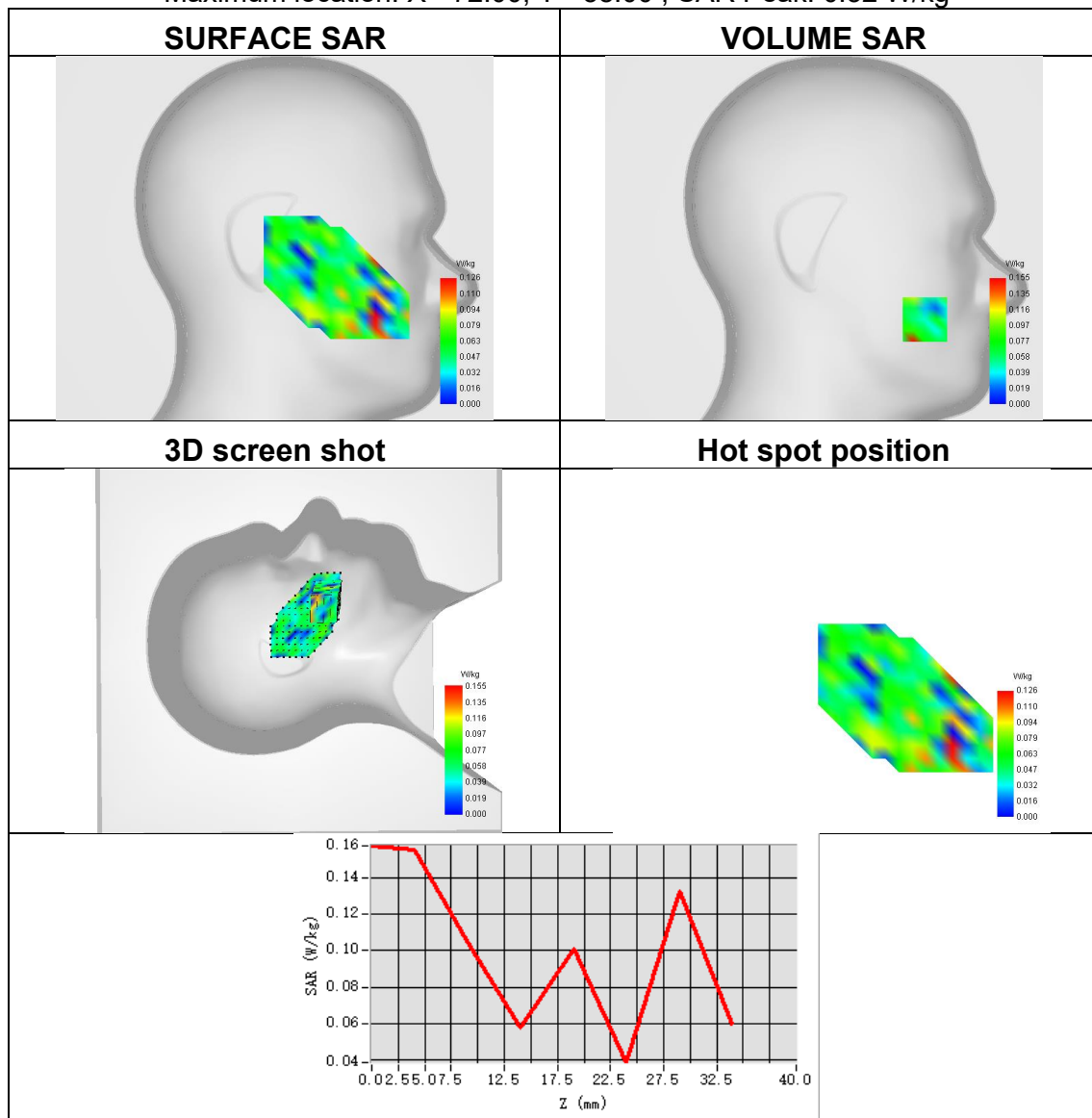




Plot 3:

Test Date	2025-06-06
Area Scan	dx=8mm dy=8mm
Zoom Scan	5x5x7,dx=8mm dy=8mm dz=5mm
Phantom	Left head
Device Position	Cheek
Band	GPRS1900
Signal	TDMA (GPRS)
Frequency	1880
SAR 10g (W/Kg)	0.043
SAR 1g (W/Kg)	0.083
ConvF	2.20
Relative permittivity	41.18
Conductivity (S/m)	1.44

Maximum location: X=-72.00, Y=-58.00 ; SAR Peak: 0.32 W/kg

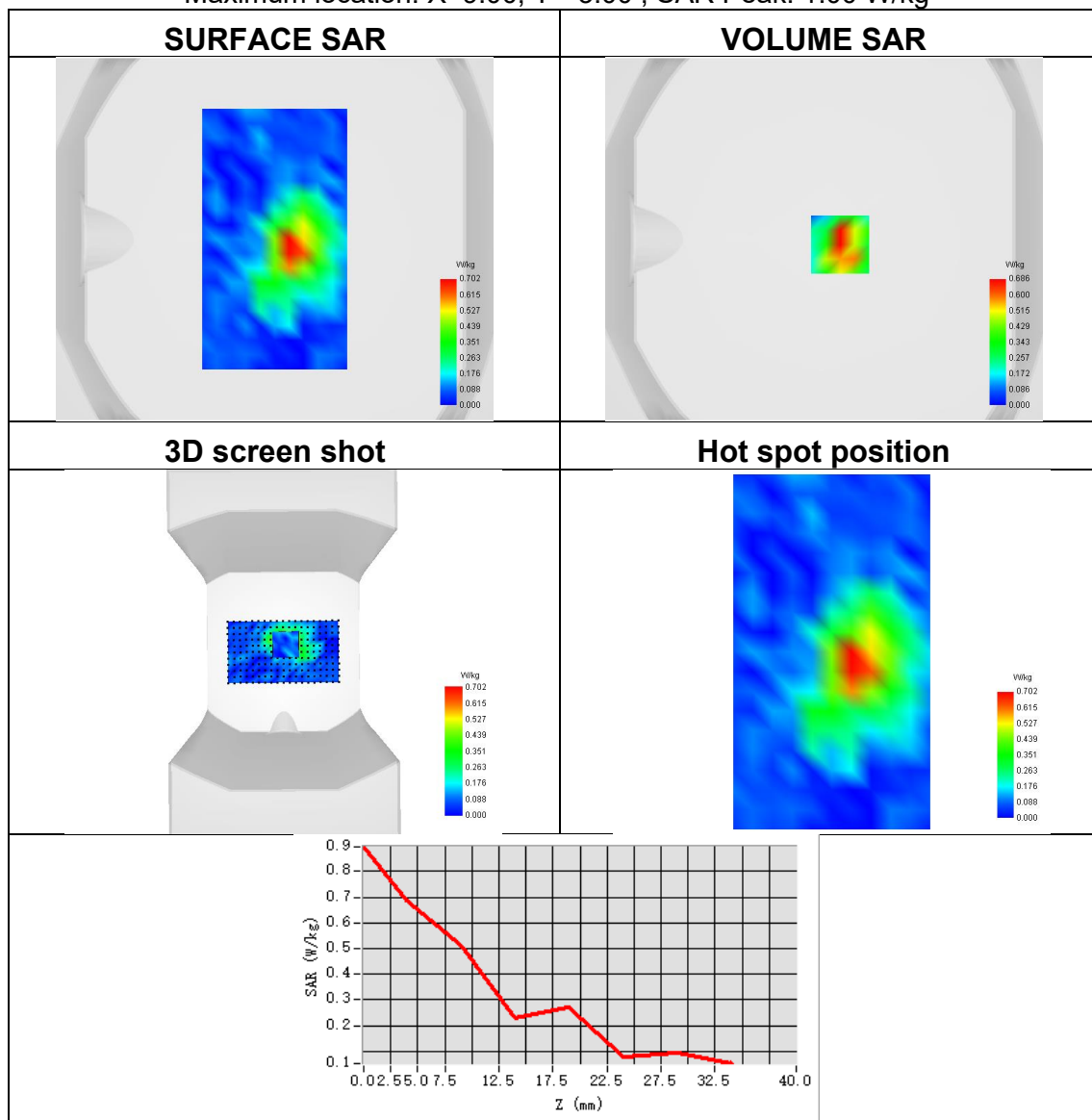




Plot 4:

Test Date	2025-06-06
Area Scan	dx=8mm dy=8mm
Zoom Scan	5x5x7,dx=8mm dy=8mm dz=5mm
Phantom	Validation plane
Device Position	Bottom Side
Band	GPRS1900
Signal	TDMA (GPRS)
Frequency	1880
SAR 10g (W/Kg)	0.323
SAR 1g (W/Kg)	0.623
ConvF	2.20
Relative permittivity	41.18
Conductivity (S/m)	1.44

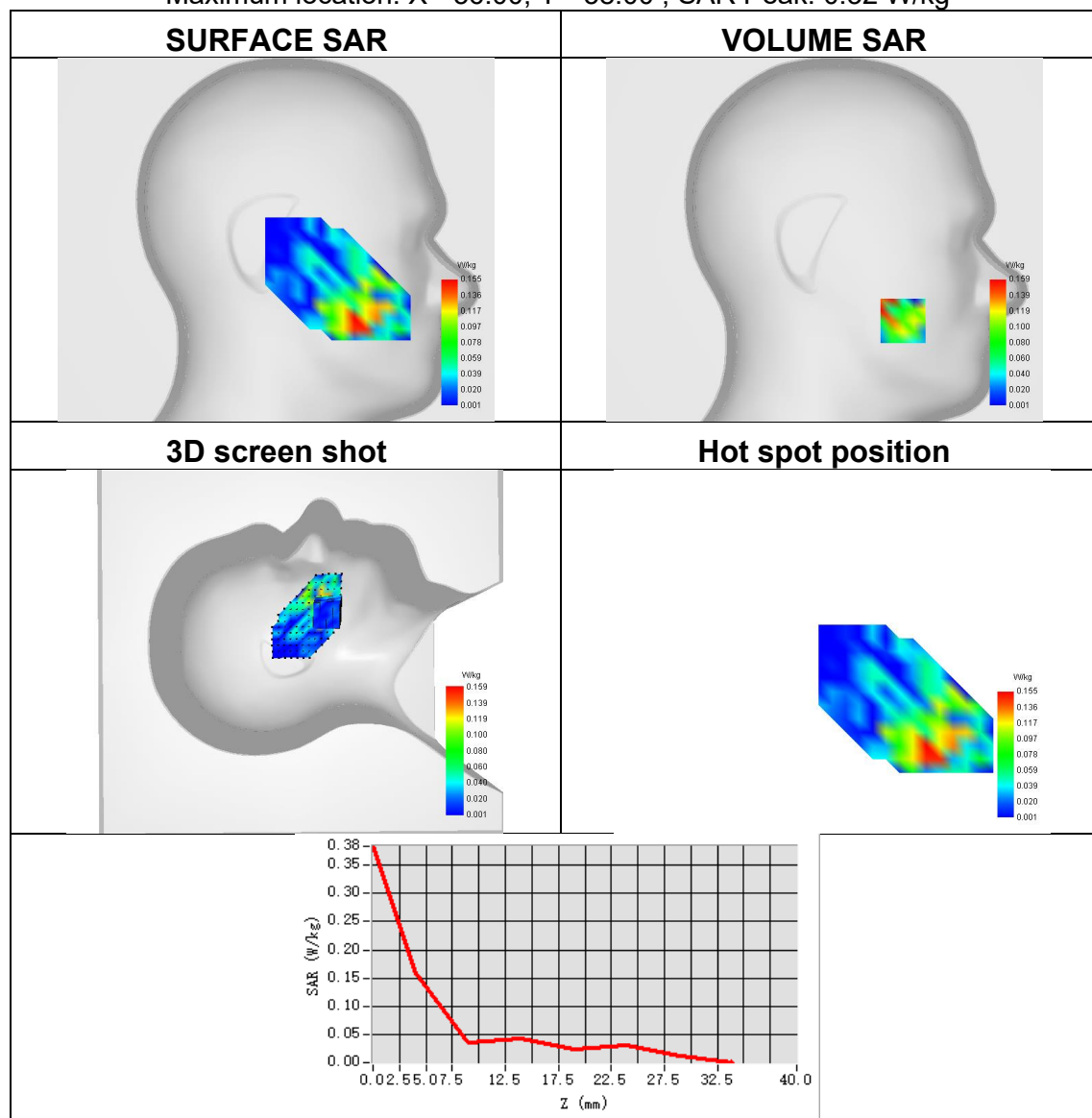
Maximum location: X=9.00, Y=-3.00 ; SAR Peak: 1.00 W/kg



Plot 5:

Test Date	2025-06-06
Area Scan	dx=8mm dy=8mm
Zoom Scan	5x5x7,dx=8mm dy=8mm dz=5mm
Phantom	Left head
Device Position	Cheek
Band	Band 2 (1900)
Signal	HSDPA
Frequency	1880
SAR 10g (W/Kg)	0.059
SAR 1g (W/Kg)	0.133
ConvF	2.20
Relative permittivity	41.18
Conductivity (S/m)	1.44

Maximum location: X=-56.00, Y=-58.00 ; SAR Peak: 0.32 W/kg

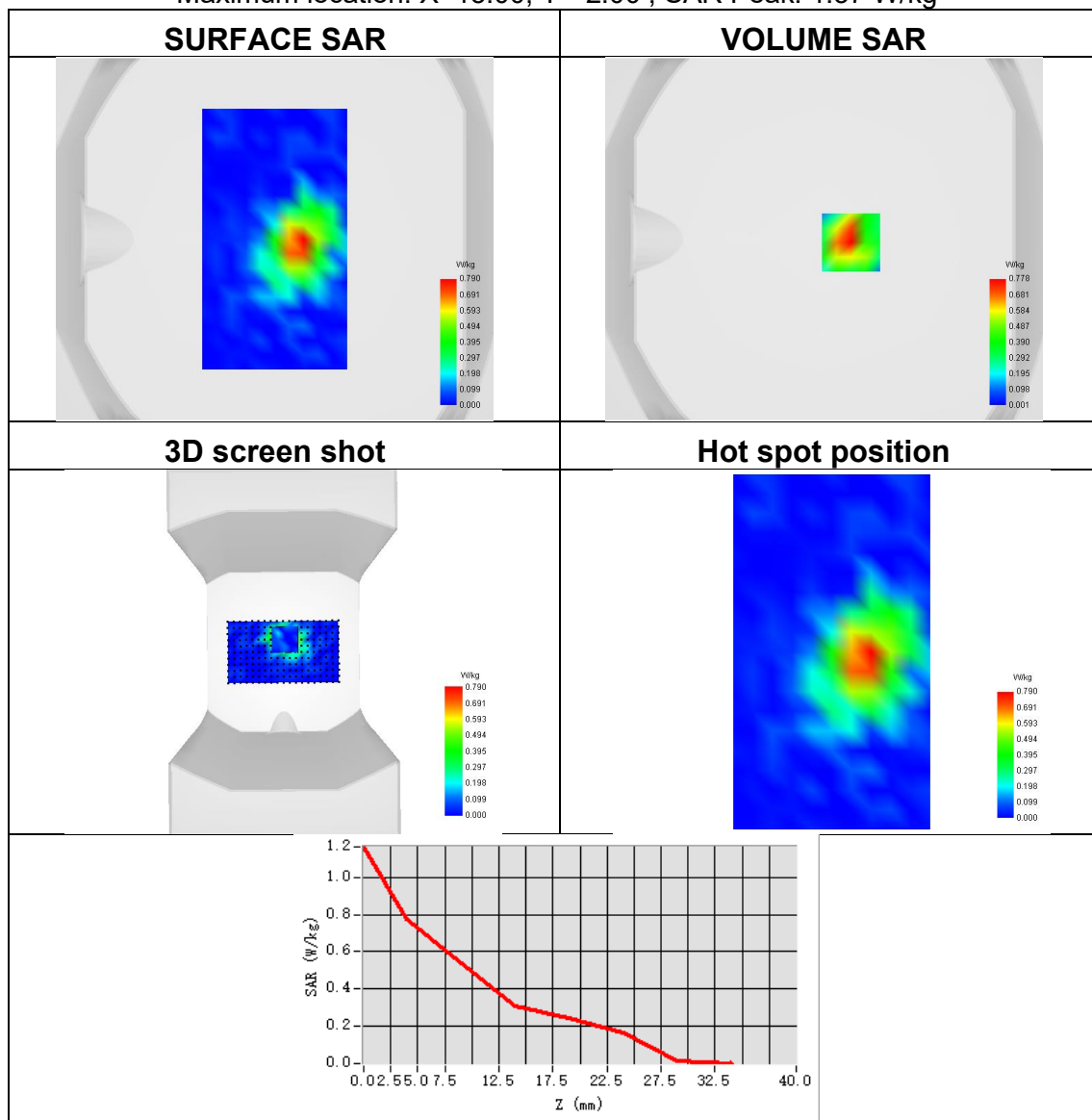




Plot 6:

Test Date	2025-06-06
Area Scan	dx=8mm dy=8mm
Zoom Scan	5x5x7,dx=8mm dy=8mm dz=5mm
Phantom	Validation plane
Device Position	Bottom Side
Band	Band 2 (1900)
Signal	HSDPA
Frequency	1880
SAR 10g (W/Kg)	0.400
SAR 1g (W/Kg)	0.768
ConvF	2.20
Relative permittivity	41.18
Conductivity (S/m)	1.44

Maximum location: X=15.00, Y=-2.00 ; SAR Peak: 1.37 W/kg

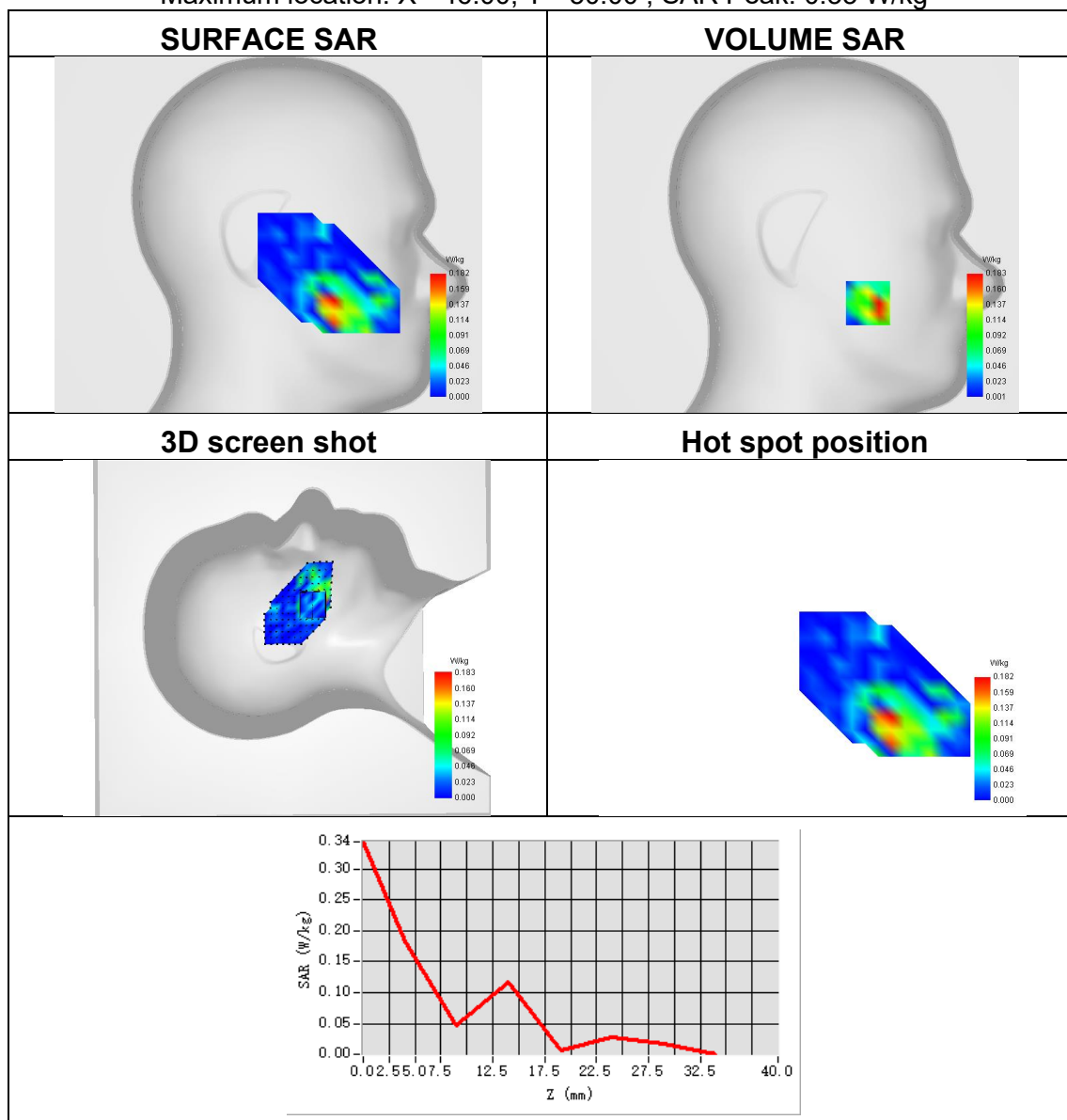




Plot 7:

Test Date	2025-06-07
Area Scan	dx=8mm dy=8mm
Zoom Scan	5x5x7,dx=8mm dy=8mm dz=5mm
Phantom	Left head
Device Position	Cheek
Band	Band 4 (1700)
Signal	HSDPA
Frequency	1712.6
SAR 10g (W/Kg)	0.091
SAR 1g (W/Kg)	0.179
ConvF	1.92
Relative permittivity	40.80
Conductivity (S/m)	1.35

Maximum location: X=-46.00, Y=-50.00 ; SAR Peak: 0.33 W/kg

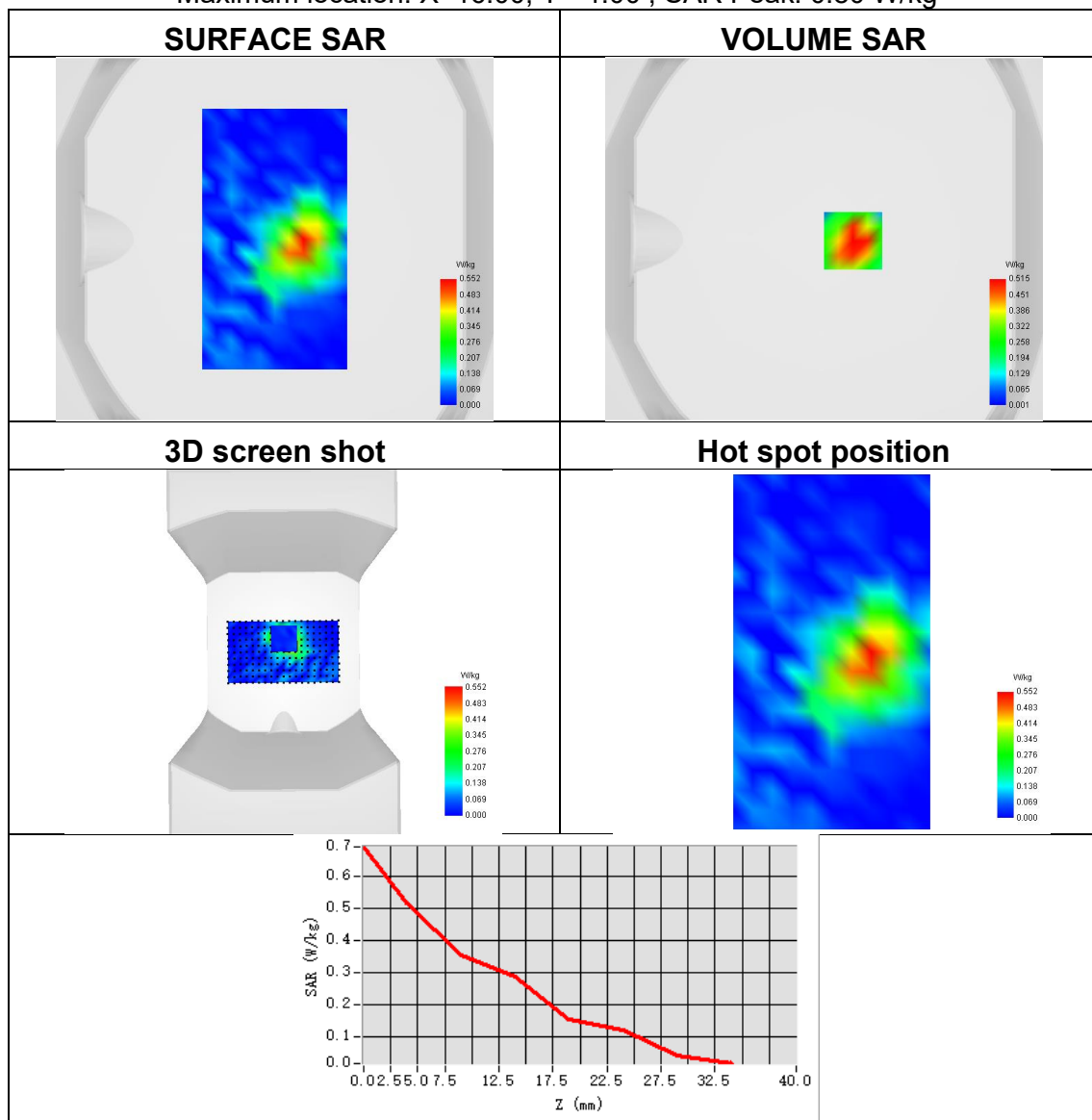




Plot 8:

Test Date	2025-06-07
Area Scan	dx=8mm dy=8mm
Zoom Scan	5x5x7,dx=8mm dy=8mm dz=5mm
Phantom	Validation plane
Device Position	Bottom Side
Band	Band 4 (1700)
Signal	HSDPA
Frequency	1712.6
SAR 10g (W/Kg)	0.289
SAR 1g (W/Kg)	0.508
ConvF	1.92
Relative permittivity	40.80
Conductivity (S/m)	1.35

Maximum location: X=16.00, Y=-1.00 ; SAR Peak: 0.80 W/kg

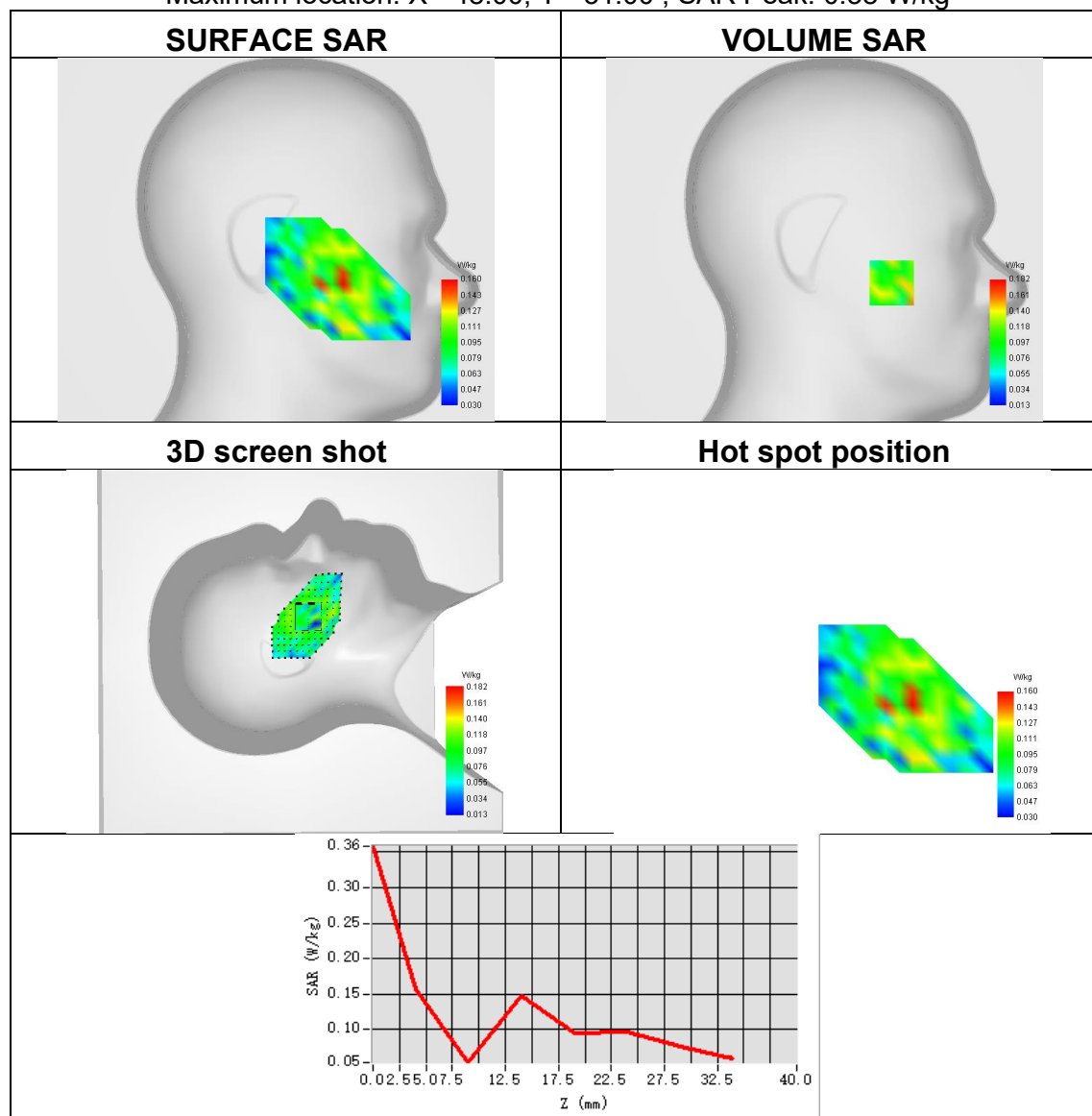




Plot 9:

Test Date	2025-06-13
Area Scan	dx=8mm dy=8mm
Zoom Scan	5x5x7,dx=8mm dy=8mm dz=5mm
Phantom	Left head
Device Position	Cheek
Band	Band 5 (850)
Signal	WCDMA
Frequency	846.6
SAR 10g (W/Kg)	0.087
SAR 1g (W/Kg)	0.156
ConvF	1.72
Relative permittivity	41.71
Conductivity (S/m)	0.91

Maximum location: X=-48.00, Y=-31.00 ; SAR Peak: 0.38 W/kg

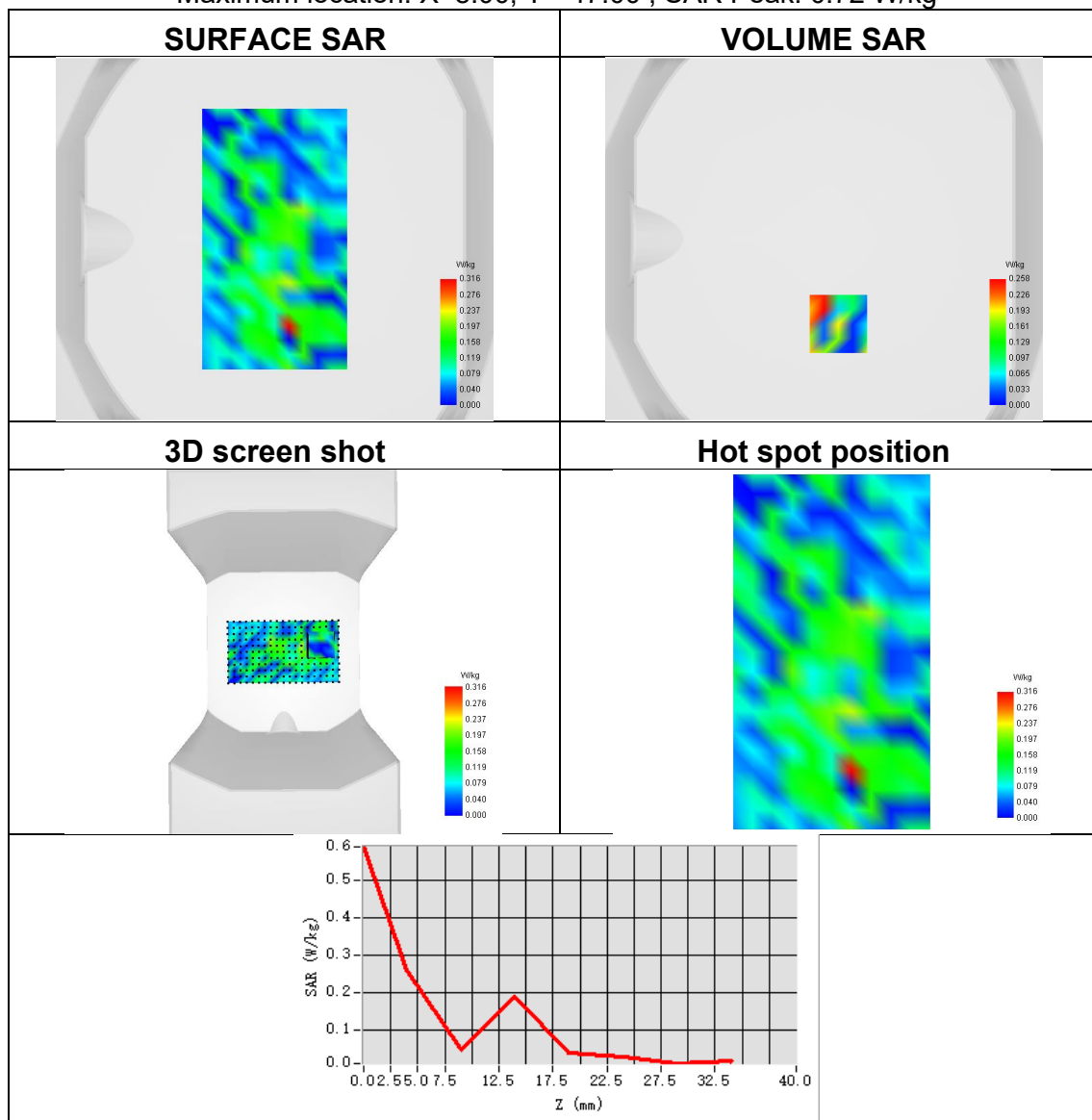




Plot 10:

Test Date	2025-06-13
Area Scan	dx=8mm dy=8mm
Zoom Scan	5x5x7,dx=8mm dy=8mm dz=5mm
Phantom	Validation plane
Device Position	Left Side
Band	Band 5 (850)
Signal	WCDMA
Frequency	846.6
SAR 10g (W/Kg)	0.091
SAR 1g (W/Kg)	0.253
ConvF	1.72
Relative permittivity	41.71
Conductivity (S/m)	0.91

Maximum location: X=8.00, Y=-47.00 ; SAR Peak: 0.72 W/kg

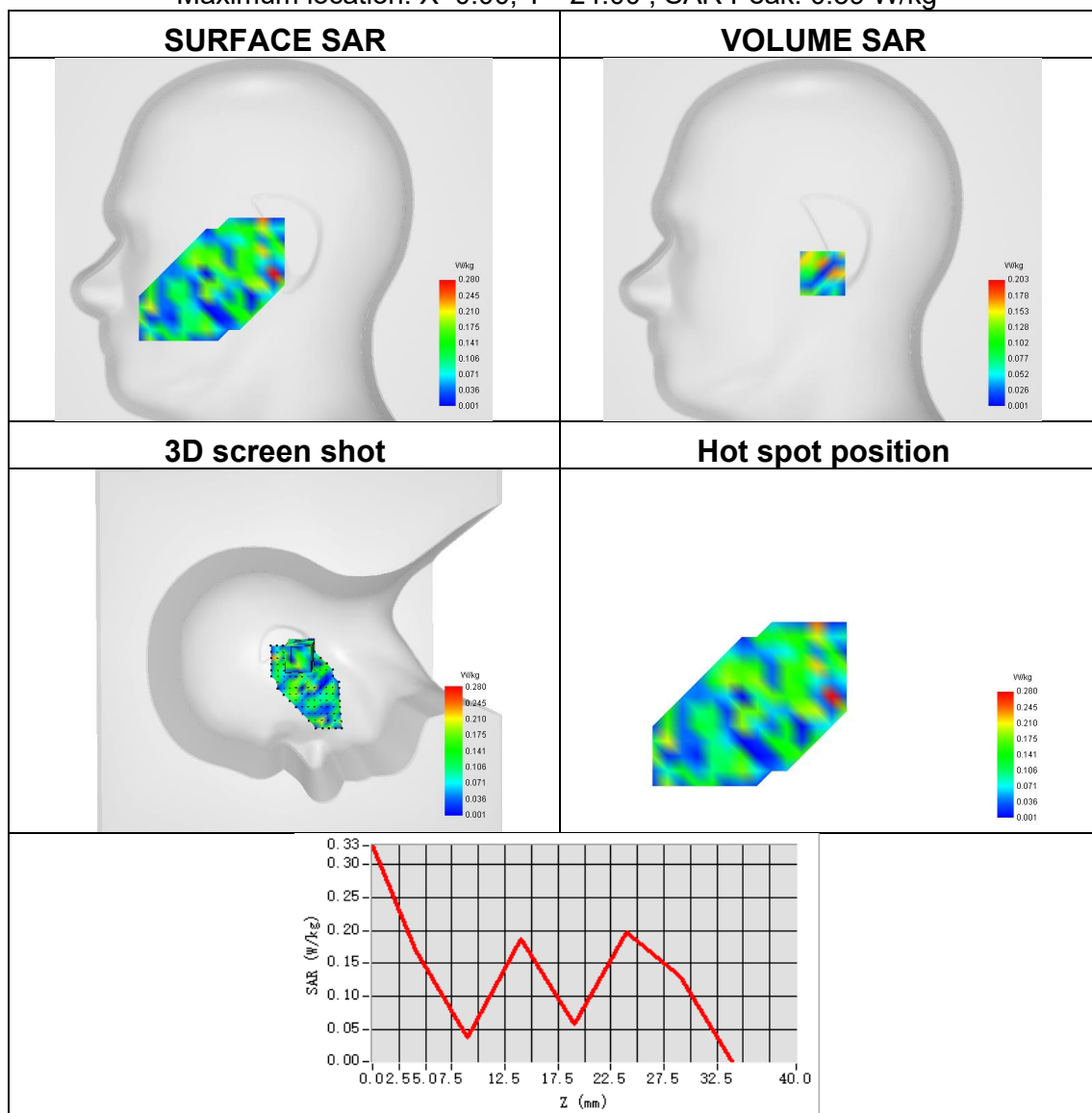




Plot 11:

Test Date	2025-06-14
Area Scan	dx=8mm dy=8mm
Zoom Scan	5x5x7,dx=8mm dy=8mm dz=5mm
Phantom	Right head
Device Position	Cheek
Band	ISM ANT 1
Signal	IEEE 802.11b
Frequency	2462
SAR 10g (W/Kg)	0.080
SAR 1g (W/Kg)	0.217
ConvF	2.33
Relative permittivity	39.79
Conductivity (S/m)	1.79

Maximum location: X=0.00, Y=-24.00 ; SAR Peak: 0.59 W/kg

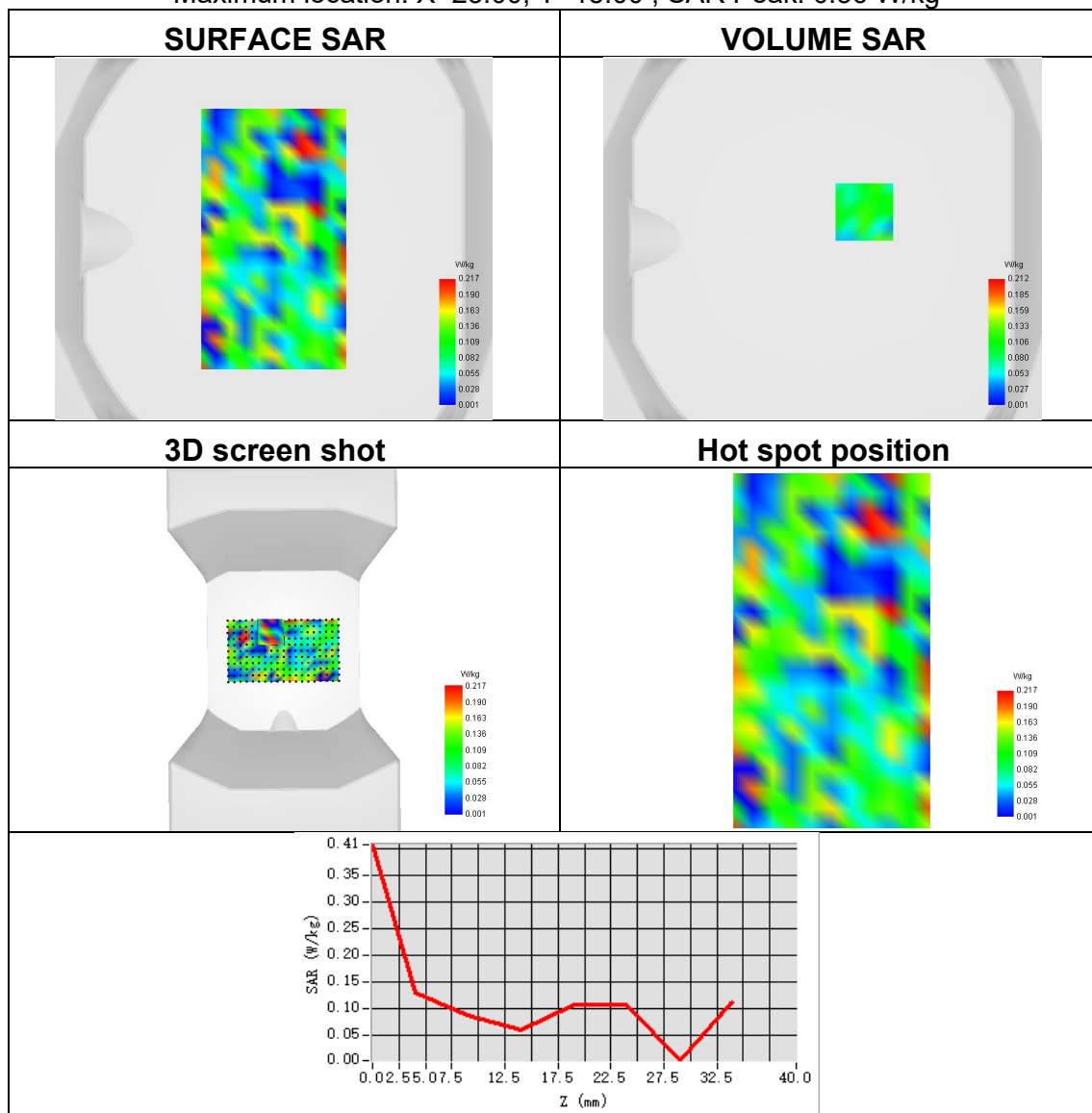




Plot 12:

Test Date	2025-06-14
Area Scan	dx=8mm dy=8mm
Zoom Scan	5x5x7,dx=8mm dy=8mm dz=5mm
Phantom	Validation plane
Device Position	Back Side
Band	ISM ANT 1
Signal	IEEE 802.11b
Frequency	2462
SAR 10g (W/Kg)	0.064
SAR 1g (W/Kg)	0.134
ConvF	2.33
Relative permittivity	39.79
Conductivity (S/m)	1.79

Maximum location: X=23.00, Y=15.00 ; SAR Peak: 0.36 W/kg

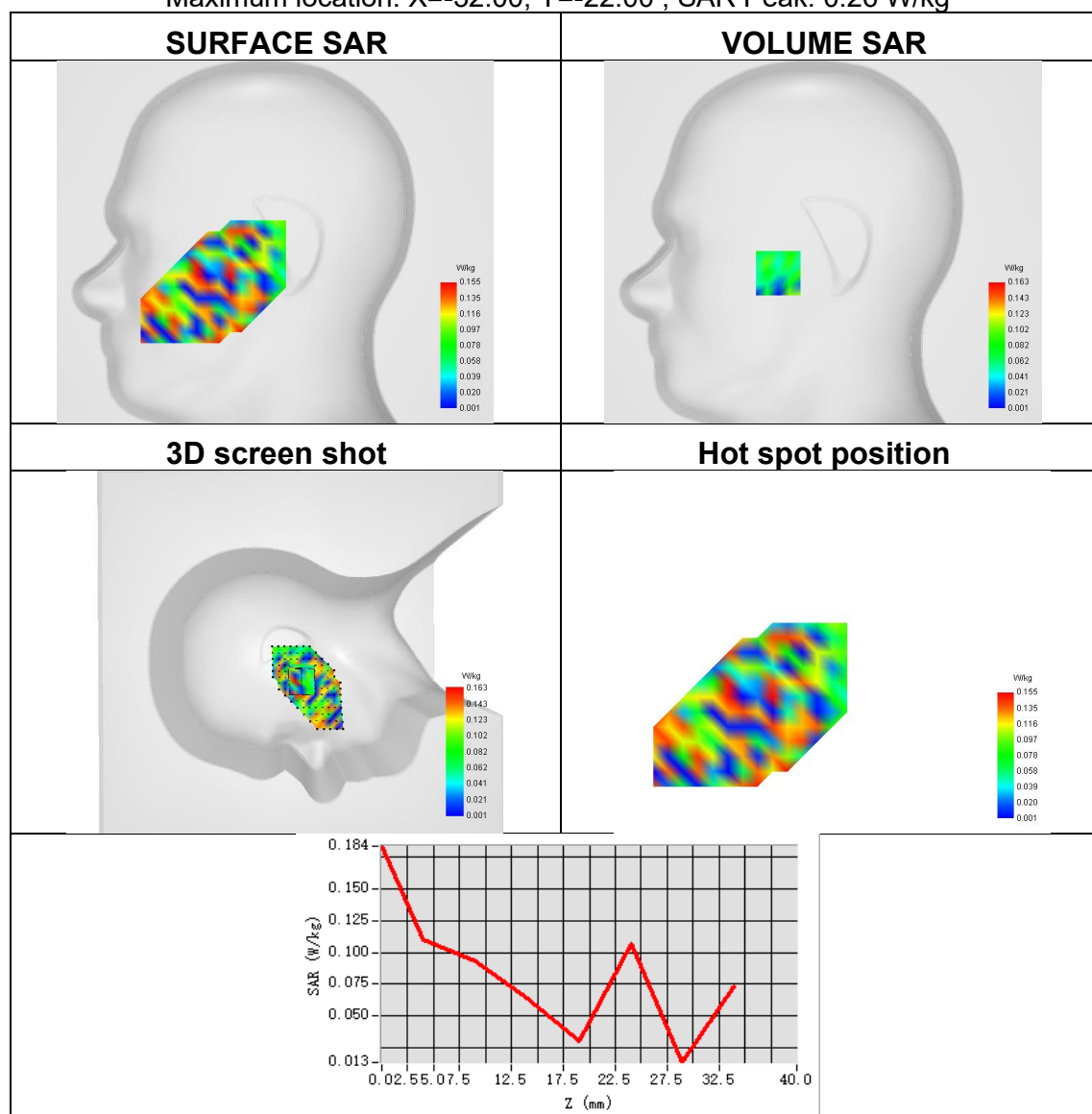




Plot 13:

Test Date	2025-06-14
Area Scan	dx=8mm dy=8mm
Zoom Scan	5x5x7,dx=8mm dy=8mm dz=5mm
Phantom	Right head
Device Position	Cheek
Band	ISM ANT 2
Signal	IEEE 802.11b
Frequency	2412
SAR 10g (W/Kg)	0.051
SAR 1g (W/Kg)	0.091
ConvF	2.33
Relative permittivity	39.79
Conductivity (S/m)	1.79

Maximum location: X=-32.00, Y=-22.00 ; SAR Peak: 0.26 W/kg

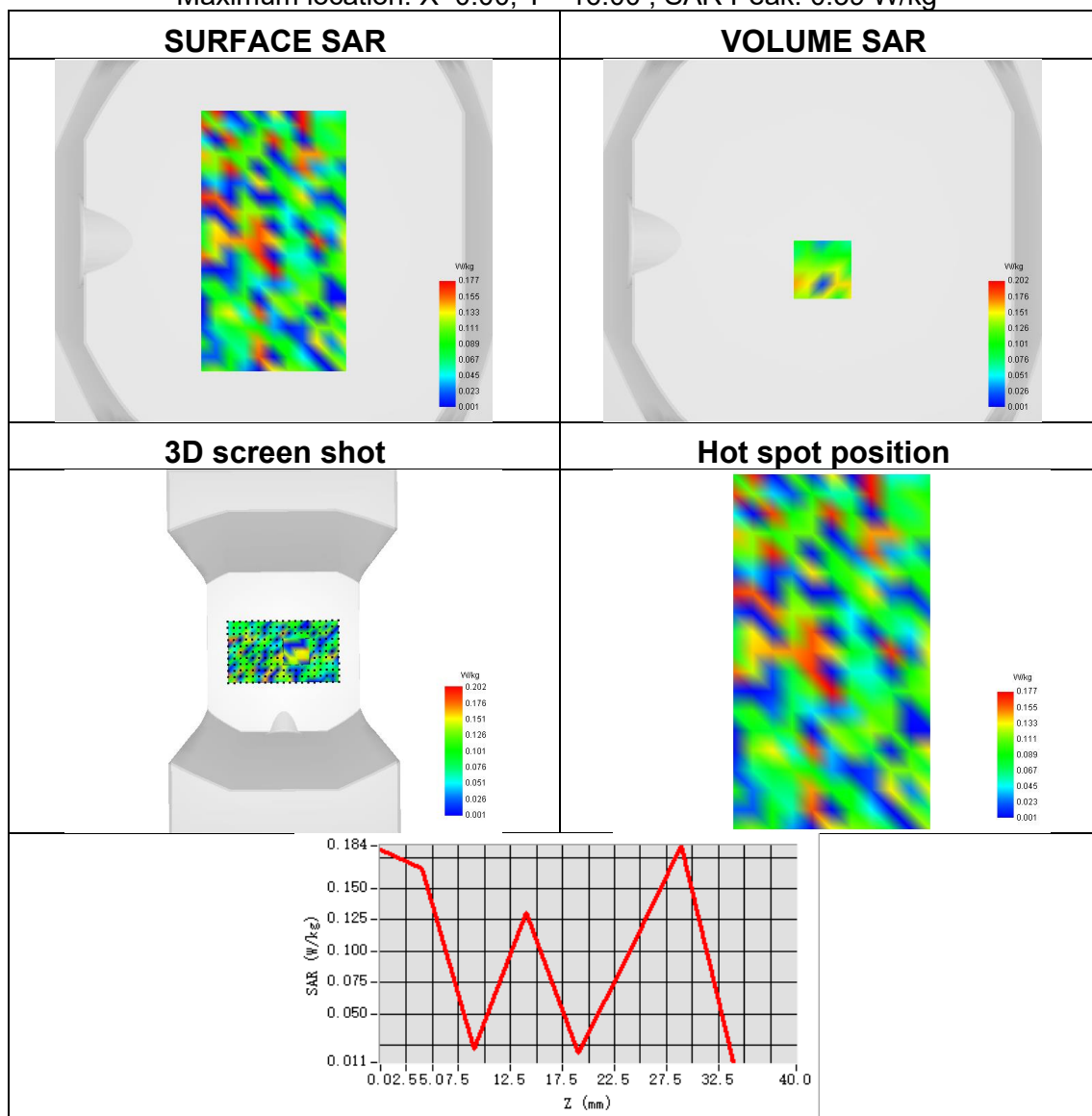




Plot 14:

Test Date	2025-06-14
Area Scan	dx=8mm dy=8mm
Zoom Scan	5x5x7,dx=8mm dy=8mm dz=5mm
Phantom	Validation plane
Device Position	Top Side
Band	ISM ANT 2
Signal	IEEE 802.11b
Frequency	2412
SAR 10g (W/Kg)	0.098
SAR 1g (W/Kg)	0.241
ConvF	2.33
Relative permittivity	39.79
Conductivity (S/m)	1.79

Maximum location: X=0.00, Y=-16.00 ; SAR Peak: 0.59 W/kg





Plot 15:

Test Date	2025-06-14
Area Scan	dx=8mm dy=8mm
Zoom Scan	5x5x7,dx=8mm dy=8mm dz=5mm
Phantom	Right head
Device Position	Cheek
Band	ISM MIMO 1
Signal	IEEE 802.11ac
Frequency	2422
SAR 10g (W/Kg)	0.055
SAR 1g (W/Kg)	0.142
ConvF	2.33
Relative permittivity	39.79
Conductivity (S/m)	1.79

Maximum location: X=-23.00, Y=0.00 ; SAR Peak: 0.41 W/kg

