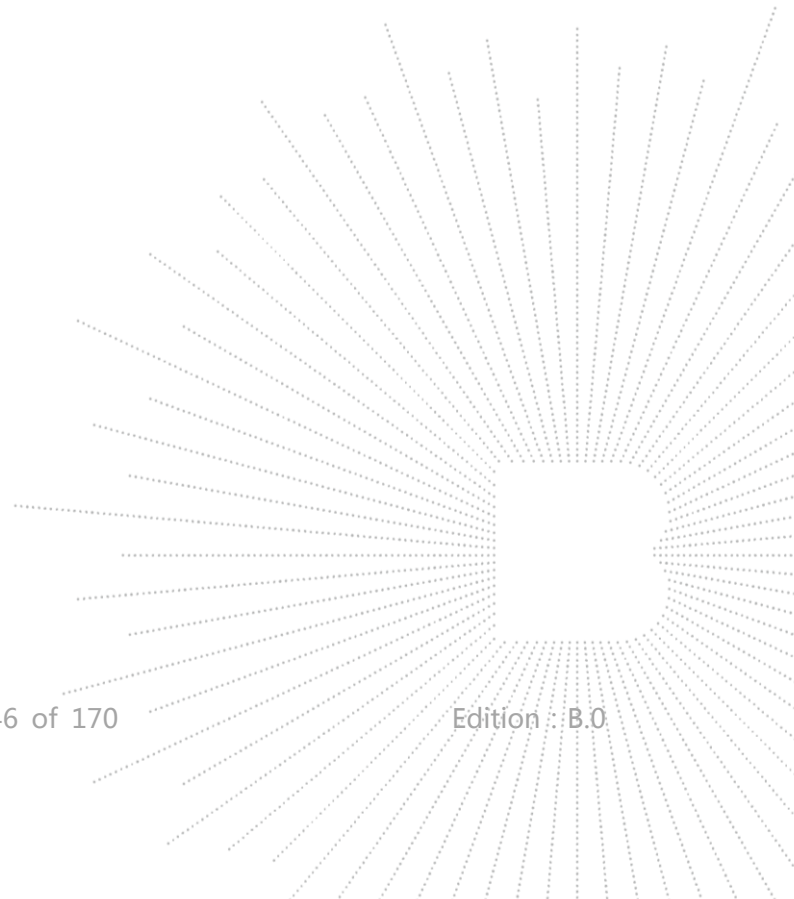


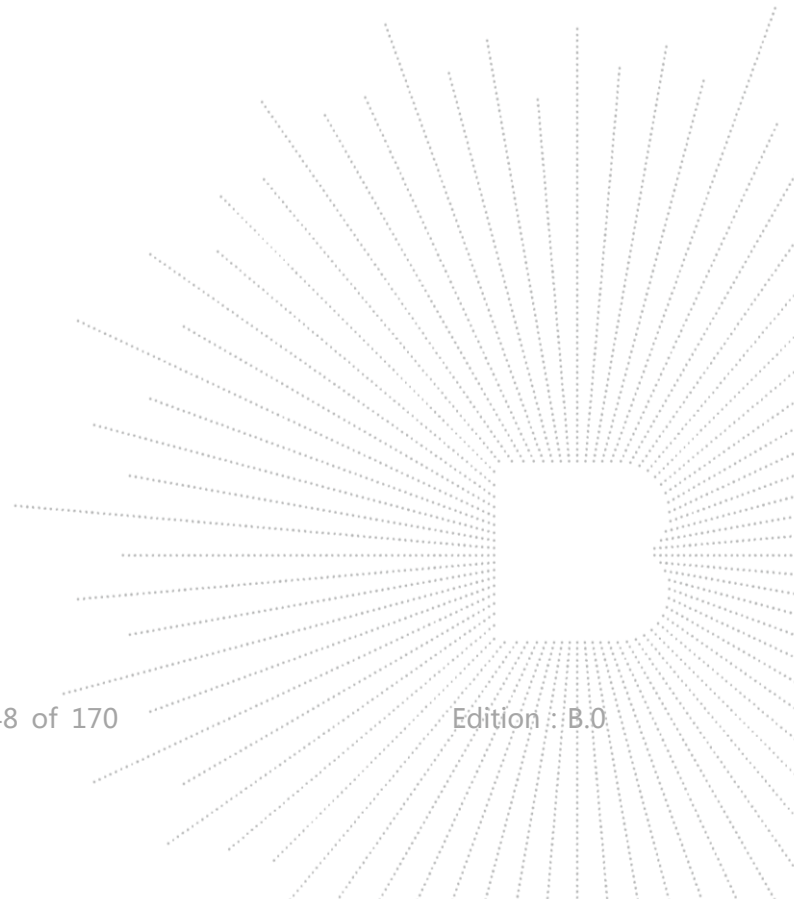
Band12	3	23025	15	#0	16QAM	20.95
Band12	3	23095	1	#0	QPSK	22.68
Band12	3	23095	1	#Mid	QPSK	22.84
Band12	3	23095	1	#Max	QPSK	22.76
Band12	3	23095	8	#0	QPSK	21.64
Band12	3	23095	8	#Mid	QPSK	21.86
Band12	3	23095	8	#Max	QPSK	21.88
Band12	3	23095	15	#0	QPSK	21.92
Band12	3	23095	1	#0	16QAM	22.37
Band12	3	23095	1	#Mid	16QAM	22.52
Band12	3	23095	1	#Max	16QAM	22.55
Band12	3	23095	8	#0	16QAM	21.01
Band12	3	23095	8	#Mid	16QAM	21.48
Band12	3	23095	8	#Max	16QAM	21.49
Band12	3	23095	15	#0	16QAM	21.27
Band12	3	23165	1	#0	QPSK	22.63
Band12	3	23165	1	#Mid	QPSK	22.72
Band12	3	23165	1	#Max	QPSK	22.88
Band12	3	23165	8	#0	QPSK	21.81
Band12	3	23165	8	#Mid	QPSK	21.78
Band12	3	23165	8	#Max	QPSK	21.68
Band12	3	23165	15	#0	QPSK	21.76
Band12	3	23165	1	#0	16QAM	22.70
Band12	3	23165	1	#Mid	16QAM	22.68
Band12	3	23165	1	#Max	16QAM	22.61
Band12	3	23165	8	#0	16QAM	21.12
Band12	3	23165	8	#Mid	16QAM	21.13
Band12	3	23165	8	#Max	16QAM	20.42
Band12	3	23165	15	#0	16QAM	21.20
Band12	5	23035	1	#0	QPSK	22.83
Band12	5	23035	1	#Mid	QPSK	23.18
Band12	5	23035	1	#Max	QPSK	22.71
Band12	5	23035	12	#0	QPSK	22.07
Band12	5	23035	12	#Mid	QPSK	22.42
Band12	5	23035	12	#Max	QPSK	22.39
Band12	5	23035	25	#0	QPSK	22.32
Band12	5	23035	1	#0	16QAM	22.01
Band12	5	23035	1	#Mid	16QAM	22.40
Band12	5	23035	1	#Max	16QAM	21.96
Band12	5	23035	12	#0	16QAM	20.80
Band12	5	23035	12	#Mid	16QAM	21.22
Band12	5	23035	12	#Max	16QAM	21.27
Band12	5	23035	25	#0	16QAM	21.31
Band12	5	23095	1	#0	QPSK	22.73
Band12	5	23095	1	#Mid	QPSK	22.76
Band12	5	23095	1	#Max	QPSK	22.71
Band12	5	23095	12	#0	QPSK	21.61
Band12	5	23095	12	#Mid	QPSK	21.90
Band12	5	23095	12	#Max	QPSK	21.87
Band12	5	23095	25	#0	QPSK	21.91
Band12	5	23095	1	#0	16QAM	21.52
Band12	5	23095	1	#Mid	16QAM	21.53
Band12	5	23095	1	#Max	16QAM	21.47
Band12	5	23095	12	#0	16QAM	20.68
Band12	5	23095	12	#Mid	16QAM	21.12
Band12	5	23095	12	#Max	16QAM	21.11
Band12	5	23095	25	#0	16QAM	21.36

Band12	5	23155	1	#0	QPSK	22.67
Band12	5	23155	1	#Mid	QPSK	22.51
Band12	5	23155	1	#Max	QPSK	22.69
Band12	5	23155	12	#0	QPSK	21.76
Band12	5	23155	12	#Mid	QPSK	21.82
Band12	5	23155	12	#Max	QPSK	21.89
Band12	5	23155	25	#0	QPSK	21.83
Band12	5	23155	1	#0	16QAM	21.78
Band12	5	23155	1	#Mid	16QAM	21.72
Band12	5	23155	1	#Max	16QAM	21.68
Band12	5	23155	12	#0	16QAM	20.62
Band12	5	23155	12	#Mid	16QAM	21.16
Band12	5	23155	12	#Max	16QAM	21.12
Band12	5	23155	25	#0	16QAM	21.20
Band12	10	23060	1	#0	QPSK	22.82
Band12	10	23060	1	#Mid	QPSK	22.68
Band12	10	23060	1	#Max	QPSK	22.82
Band12	10	23060	25	#0	QPSK	22.31
Band12	10	23060	25	#Mid	QPSK	22.00
Band12	10	23060	25	#Max	QPSK	21.78
Band12	10	23060	50	#0	QPSK	21.93
Band12	10	23095	1	#0	QPSK	23.27
Band12	10	23095	1	#Mid	QPSK	22.90
Band12	10	23095	1	#Max	QPSK	22.73
Band12	10	23095	25	#0	QPSK	21.72
Band12	10	23095	25	#Mid	QPSK	21.95
Band12	10	23095	25	#Max	QPSK	22.06
Band12	10	23095	50	#0	QPSK	21.84
Band12	10	23130	1	#0	QPSK	22.73
Band12	10	23130	1	#Mid	QPSK	22.90
Band12	10	23130	1	#Max	QPSK	22.95
Band12	10	23130	25	#0	QPSK	21.90
Band12	10	23130	25	#Mid	QPSK	21.81
Band12	10	23130	25	#Max	QPSK	21.99
Band12	10	23130	50	#0	QPSK	22.04



Band	Bandwidth (MHz)	UL Channel	RB Size	RB Position	Modulation	Power (dBm)
Band17	5	23755	1	#0	QPSK	22.78
Band17	5	23755	1	#Mid	QPSK	22.73
Band17	5	23755	1	#Max	QPSK	22.85
Band17	5	23755	12	#0	QPSK	21.87
Band17	5	23755	12	#Mid	QPSK	21.72
Band17	5	23755	12	#Max	QPSK	21.85
Band17	5	23755	25	#0	QPSK	21.70
Band17	5	23755	1	#0	16QAM	21.98
Band17	5	23755	1	#Mid	16QAM	21.73
Band17	5	23755	1	#Max	16QAM	21.92
Band17	5	23755	12	#0	16QAM	20.72
Band17	5	23755	12	#Mid	16QAM	20.62
Band17	5	23755	12	#Max	16QAM	21.16
Band17	5	23755	25	#0	16QAM	20.90
Band17	5	23790	1	#0	QPSK	22.72
Band17	5	23790	1	#Mid	QPSK	22.73
Band17	5	23790	1	#Max	QPSK	22.67
Band17	5	23790	12	#0	QPSK	21.81
Band17	5	23790	12	#Mid	QPSK	22.03
Band17	5	23790	12	#Max	QPSK	21.82
Band17	5	23790	25	#0	QPSK	22.00
Band17	5	23790	1	#0	16QAM	21.54
Band17	5	23790	1	#Mid	16QAM	21.48
Band17	5	23790	1	#Max	16QAM	21.46
Band17	5	23790	12	#0	16QAM	21.07
Band17	5	23790	12	#Mid	16QAM	21.11
Band17	5	23790	12	#Max	16QAM	20.55
Band17	5	23790	25	#0	16QAM	21.33
Band17	5	23825	1	#0	QPSK	22.72
Band17	5	23825	1	#Mid	QPSK	22.60
Band17	5	23825	1	#Max	QPSK	22.75
Band17	5	23825	12	#0	QPSK	21.87
Band17	5	23825	12	#Mid	QPSK	22.07
Band17	5	23825	12	#Max	QPSK	21.78
Band17	5	23825	25	#0	QPSK	21.99
Band17	5	23825	1	#0	16QAM	21.68
Band17	5	23825	1	#Mid	16QAM	21.78
Band17	5	23825	1	#Max	16QAM	21.69
Band17	5	23825	12	#0	16QAM	20.54
Band17	5	23825	12	#Mid	16QAM	21.03
Band17	5	23825	12	#Max	16QAM	21.07
Band17	5	23825	25	#0	16QAM	21.24
Band17	10	23780	1	#0	QPSK	22.75
Band17	10	23780	1	#Mid	QPSK	22.77
Band17	10	23780	1	#Max	QPSK	22.65
Band17	10	23780	25	#0	QPSK	21.62
Band17	10	23780	25	#Mid	QPSK	21.90
Band17	10	23780	25	#Max	QPSK	21.84
Band17	10	23780	50	#0	QPSK	21.86
Band17	10	23790	1	#0	QPSK	22.77
Band17	10	23790	1	#Mid	QPSK	22.77
Band17	10	23790	1	#Max	QPSK	22.73
Band17	10	23790	25	#0	QPSK	21.98
Band17	10	23790	25	#Mid	QPSK	22.00
Band17	10	23790	25	#Max	QPSK	21.72

Band17	10	23790	50	#0	QPSK	22.04
Band17	10	23800	1	#0	QPSK	22.80
Band17	10	23800	1	#Mid	QPSK	22.90
Band17	10	23800	1	#Max	QPSK	22.95
Band17	10	23800	25	#0	QPSK	21.96
Band17	10	23800	25	#Mid	QPSK	21.97
Band17	10	23800	25	#Max	QPSK	21.83
Band17	10	23800	50	#0	QPSK	21.97

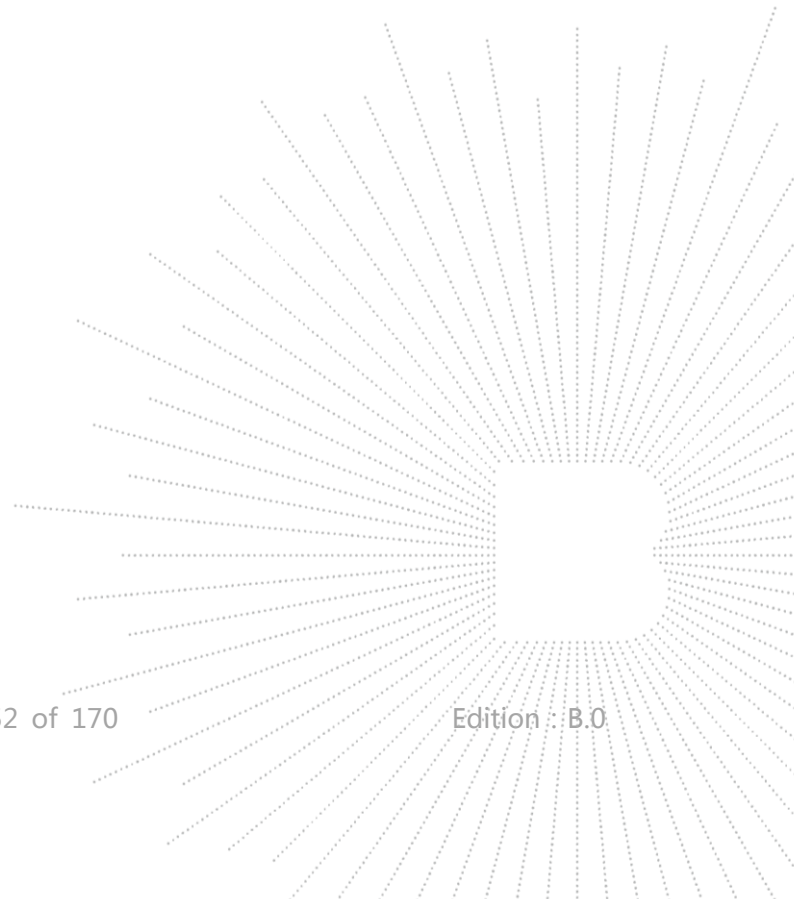


Band	Bandwidth (MHz)	UL Channel	RB Size	RB Position	Modulation	Power (dBm)
Band66	1.4	131979	1	#0	QPSK	22.85
Band66	1.4	131979	1	#Mid	QPSK	22.86
Band66	1.4	131979	1	#Max	QPSK	22.86
Band66	1.4	131979	3	#0	QPSK	22.75
Band66	1.4	131979	3	#Mid	QPSK	22.80
Band66	1.4	131979	3	#Max	QPSK	22.77
Band66	1.4	131979	6	#0	QPSK	22.10
Band66	1.4	131979	1	#0	16QAM	23.08
Band66	1.4	131979	1	#Mid	16QAM	23.01
Band66	1.4	131979	1	#Max	16QAM	22.96
Band66	1.4	131979	3	#0	16QAM	22.22
Band66	1.4	131979	3	#Mid	16QAM	22.24
Band66	1.4	131979	3	#Max	16QAM	22.21
Band66	1.4	131979	6	#0	16QAM	21.21
Band66	1.4	132322	1	#0	QPSK	22.61
Band66	1.4	132322	1	#Mid	QPSK	22.60
Band66	1.4	132322	1	#Max	QPSK	22.66
Band66	1.4	132322	3	#0	QPSK	22.73
Band66	1.4	132322	3	#Mid	QPSK	22.78
Band66	1.4	132322	3	#Max	QPSK	22.73
Band66	1.4	132322	6	#0	QPSK	21.94
Band66	1.4	132322	1	#0	16QAM	22.53
Band66	1.4	132322	1	#Mid	16QAM	22.50
Band66	1.4	132322	1	#Max	16QAM	22.56
Band66	1.4	132322	3	#0	16QAM	22.28
Band66	1.4	132322	3	#Mid	16QAM	22.30
Band66	1.4	132322	3	#Max	16QAM	22.36
Band66	1.4	132322	6	#0	16QAM	20.92
Band66	1.4	132665	1	#0	QPSK	22.69
Band66	1.4	132665	1	#Mid	QPSK	22.83
Band66	1.4	132665	1	#Max	QPSK	22.73
Band66	1.4	132665	3	#0	QPSK	22.72
Band66	1.4	132665	3	#Mid	QPSK	22.77
Band66	1.4	132665	3	#Max	QPSK	22.82
Band66	1.4	132665	6	#0	QPSK	22.13
Band66	1.4	132665	1	#0	16QAM	22.36
Band66	1.4	132665	1	#Mid	16QAM	22.36
Band66	1.4	132665	1	#Max	16QAM	22.29
Band66	1.4	132665	3	#0	16QAM	22.44
Band66	1.4	132665	3	#Mid	16QAM	22.41
Band66	1.4	132665	3	#Max	16QAM	22.38
Band66	1.4	132665	6	#0	16QAM	21.30
Band66	3	131987	1	#0	QPSK	22.67
Band66	3	131987	1	#Mid	QPSK	22.68
Band66	3	131987	1	#Max	QPSK	22.64
Band66	3	131987	8	#0	QPSK	22.08
Band66	3	131987	8	#Mid	QPSK	22.13
Band66	3	131987	8	#Max	QPSK	22.11
Band66	3	131987	15	#0	QPSK	22.09
Band66	3	131987	1	#0	16QAM	22.97
Band66	3	131987	1	#Mid	16QAM	23.01
Band66	3	131987	1	#Max	16QAM	22.98
Band66	3	131987	8	#0	16QAM	21.05
Band66	3	131987	8	#Mid	16QAM	21.02
Band66	3	131987	8	#Max	16QAM	20.98

Band66	3	131987	15	#0	16QAM	21.16
Band66	3	132322	1	#0	QPSK	22.61
Band66	3	132322	1	#Mid	QPSK	22.59
Band66	3	132322	1	#Max	QPSK	22.62
Band66	3	132322	8	#0	QPSK	21.96
Band66	3	132322	8	#Mid	QPSK	22.01
Band66	3	132322	8	#Max	QPSK	22.01
Band66	3	132322	15	#0	QPSK	22.00
Band66	3	132322	1	#0	16QAM	22.54
Band66	3	132322	1	#Mid	16QAM	22.50
Band66	3	132322	1	#Max	16QAM	22.51
Band66	3	132322	8	#0	16QAM	21.24
Band66	3	132322	8	#Mid	16QAM	21.19
Band66	3	132322	8	#Max	16QAM	21.02
Band66	3	132322	15	#0	16QAM	20.95
Band66	3	132657	1	#0	QPSK	22.75
Band66	3	132657	1	#Mid	QPSK	22.83
Band66	3	132657	1	#Max	QPSK	22.73
Band66	3	132657	8	#0	QPSK	22.14
Band66	3	132657	8	#Mid	QPSK	22.07
Band66	3	132657	8	#Max	QPSK	22.09
Band66	3	132657	15	#0	QPSK	22.05
Band66	3	132657	1	#0	16QAM	22.36
Band66	3	132657	1	#Mid	16QAM	22.33
Band66	3	132657	1	#Max	16QAM	22.30
Band66	3	132657	8	#0	16QAM	21.08
Band66	3	132657	8	#Mid	16QAM	21.10
Band66	3	132657	8	#Max	16QAM	21.13
Band66	3	132657	15	#0	16QAM	21.16
Band66	5	131997	1	#0	QPSK	22.67
Band66	5	131997	1	#Mid	QPSK	22.64
Band66	5	131997	1	#Max	QPSK	22.65
Band66	5	131997	12	#0	QPSK	22.00
Band66	5	131997	12	#Mid	QPSK	22.13
Band66	5	131997	12	#Max	QPSK	21.96
Band66	5	131997	25	#0	QPSK	21.99
Band66	5	131997	1	#0	16QAM	22.15
Band66	5	131997	1	#Mid	16QAM	22.22
Band66	5	131997	1	#Max	16QAM	22.17
Band66	5	131997	12	#0	16QAM	20.95
Band66	5	131997	12	#Mid	16QAM	20.98
Band66	5	131997	12	#Max	16QAM	20.94
Band66	5	131997	25	#0	16QAM	21.05
Band66	5	132322	1	#0	QPSK	22.70
Band66	5	132322	1	#Mid	QPSK	22.63
Band66	5	132322	1	#Max	QPSK	22.64
Band66	5	132322	12	#0	QPSK	21.98
Band66	5	132322	12	#Mid	QPSK	21.90
Band66	5	132322	12	#Max	QPSK	21.94
Band66	5	132322	25	#0	QPSK	21.93
Band66	5	132322	1	#0	16QAM	21.71
Band66	5	132322	1	#Mid	16QAM	21.55
Band66	5	132322	1	#Max	16QAM	21.64
Band66	5	132322	12	#0	16QAM	20.88
Band66	5	132322	12	#Mid	16QAM	20.86
Band66	5	132322	12	#Max	16QAM	20.88
Band66	5	132322	25	#0	16QAM	21.09

Band66	5	132647	1	#0	QPSK	22.68
Band66	5	132647	1	#Mid	QPSK	22.70
Band66	5	132647	1	#Max	QPSK	22.71
Band66	5	132647	12	#0	QPSK	22.00
Band66	5	132647	12	#Mid	QPSK	22.00
Band66	5	132647	12	#Max	QPSK	22.00
Band66	5	132647	25	#0	QPSK	22.12
Band66	5	132647	1	#0	16QAM	22.02
Band66	5	132647	1	#Mid	16QAM	22.03
Band66	5	132647	1	#Max	16QAM	22.04
Band66	5	132647	12	#0	16QAM	21.15
Band66	5	132647	12	#Mid	16QAM	21.11
Band66	5	132647	12	#Max	16QAM	21.10
Band66	5	132647	25	#0	16QAM	21.12
Band66	10	132022	1	#0	QPSK	22.69
Band66	10	132022	1	#Mid	QPSK	22.68
Band66	10	132022	1	#Max	QPSK	22.67
Band66	10	132022	25	#0	QPSK	22.03
Band66	10	132022	25	#Mid	QPSK	22.04
Band66	10	132022	25	#Max	QPSK	21.89
Band66	10	132022	50	#0	QPSK	21.92
Band66	10	132322	1	#0	QPSK	22.77
Band66	10	132322	1	#Mid	QPSK	22.70
Band66	10	132322	1	#Max	QPSK	22.64
Band66	10	132322	25	#0	QPSK	22.06
Band66	10	132322	25	#Mid	QPSK	22.07
Band66	10	132322	25	#Max	QPSK	22.02
Band66	10	132322	50	#0	QPSK	22.03
Band66	10	132622	1	#0	QPSK	22.67
Band66	10	132622	1	#Mid	QPSK	22.78
Band66	10	132622	1	#Max	QPSK	22.77
Band66	10	132622	25	#0	QPSK	22.00
Band66	10	132622	25	#Mid	QPSK	22.01
Band66	10	132622	25	#Max	QPSK	22.07
Band66	10	132622	50	#0	QPSK	22.12
Band66	15	132047	1	#0	QPSK	22.71
Band66	15	132047	1	#Mid	QPSK	22.73
Band66	15	132047	1	#Max	QPSK	22.77
Band66	15	132047	36	#0	QPSK	21.99
Band66	15	132047	36	#Mid	QPSK	21.89
Band66	15	132047	36	#Max	QPSK	22.06
Band66	15	132047	75	#0	QPSK	22.07
Band66	15	132322	1	#0	QPSK	22.81
Band66	15	132322	1	#Mid	QPSK	22.74
Band66	15	132322	1	#Max	QPSK	22.58
Band66	15	132322	36	#0	QPSK	22.07
Band66	15	132322	36	#Mid	QPSK	21.97
Band66	15	132322	36	#Max	QPSK	21.84
Band66	15	132322	75	#0	QPSK	21.92
Band66	15	132597	1	#0	QPSK	22.67
Band66	15	132597	1	#Mid	QPSK	22.68
Band66	15	132597	1	#Max	QPSK	22.67
Band66	15	132597	36	#0	QPSK	22.00
Band66	15	132597	36	#Mid	QPSK	21.99
Band66	15	132597	36	#Max	QPSK	22.05
Band66	15	132597	75	#0	QPSK	21.93
Band66	20	132072	1	#0	QPSK	22.70

Band66	20	132072	1	#Mid	QPSK	22.66
Band66	20	132072	1	#Max	QPSK	22.70
Band66	20	132072	50	#0	QPSK	22.07
Band66	20	132072	50	#Mid	QPSK	21.93
Band66	20	132072	50	#Max	QPSK	22.10
Band66	20	132072	100	#0	QPSK	22.04
Band66	20	132322	1	#0	QPSK	22.90
Band66	20	132322	1	#Mid	QPSK	22.80
Band66	20	132322	1	#Max	QPSK	22.68
Band66	20	132322	50	#0	QPSK	22.10
Band66	20	132322	50	#Mid	QPSK	21.87
Band66	20	132322	50	#Max	QPSK	21.91
Band66	20	132322	100	#0	QPSK	22.02
Band66	20	132572	1	#0	QPSK	22.70
Band66	20	132572	1	#Mid	QPSK	22.81
Band66	20	132572	1	#Max	QPSK	22.91
Band66	20	132572	50	#0	QPSK	21.88
Band66	20	132572	50	#Mid	QPSK	22.04
Band66	20	132572	50	#Max	QPSK	22.02
Band66	20	132572	100	#0	QPSK	22.08



Band	Bandwidth (MHz)	UL Channel	RB Size	RB Position	Modulation	Power (dBm)
Band71	5	133147	1	#0	QPSK	23.10
Band71	5	133147	1	#Mid	QPSK	22.90
Band71	5	133147	1	#Max	QPSK	22.87
Band71	5	133147	12	#0	QPSK	22.22
Band71	5	133147	12	#Mid	QPSK	22.01
Band71	5	133147	12	#Max	QPSK	21.75
Band71	5	133147	25	#0	QPSK	21.77
Band71	5	133147	1	#0	16QAM	22.33
Band71	5	133147	1	#Mid	16QAM	22.03
Band71	5	133147	1	#Max	16QAM	22.48
Band71	5	133147	12	#0	16QAM	20.83
Band71	5	133147	12	#Mid	16QAM	20.96
Band71	5	133147	12	#Max	16QAM	21.01
Band71	5	133147	25	#0	16QAM	21.26
Band71	5	133297	1	#0	QPSK	22.74
Band71	5	133297	1	#Mid	QPSK	22.78
Band71	5	133297	1	#Max	QPSK	22.78
Band71	5	133297	12	#0	QPSK	21.54
Band71	5	133297	12	#Mid	QPSK	21.64
Band71	5	133297	12	#Max	QPSK	21.58
Band71	5	133297	25	#0	QPSK	21.76
Band71	5	133297	1	#0	16QAM	21.63
Band71	5	133297	1	#Mid	16QAM	21.41
Band71	5	133297	1	#Max	16QAM	21.32
Band71	5	133297	12	#0	16QAM	20.99
Band71	5	133297	12	#Mid	16QAM	20.91
Band71	5	133297	12	#Max	16QAM	20.77
Band71	5	133297	25	#0	16QAM	21.02
Band71	5	133447	1	#0	QPSK	22.71
Band71	5	133447	1	#Mid	QPSK	22.84
Band71	5	133447	1	#Max	QPSK	22.75
Band71	5	133447	12	#0	QPSK	21.77
Band71	5	133447	12	#Mid	QPSK	21.84
Band71	5	133447	12	#Max	QPSK	21.91
Band71	5	133447	25	#0	QPSK	21.72
Band71	5	133447	1	#0	16QAM	21.66
Band71	5	133447	1	#Mid	16QAM	21.66
Band71	5	133447	1	#Max	16QAM	21.79
Band71	5	133447	12	#0	16QAM	20.69
Band71	5	133447	12	#Mid	16QAM	20.61
Band71	5	133447	12	#Max	16QAM	20.64
Band71	5	133447	25	#0	16QAM	20.60
Band71	10	133172	1	#0	QPSK	23.03
Band71	10	133172	1	#Mid	QPSK	22.91
Band71	10	133172	1	#Max	QPSK	22.90
Band71	10	133172	25	#0	QPSK	21.84
Band71	10	133172	25	#Mid	QPSK	22.34
Band71	10	133172	25	#Max	QPSK	22.19
Band71	10	133172	50	#0	QPSK	22.30
Band71	10	133297	1	#0	QPSK	22.85
Band71	10	133297	1	#Mid	QPSK	22.81
Band71	10	133297	1	#Max	QPSK	22.73
Band71	10	133297	25	#0	QPSK	21.91
Band71	10	133297	25	#Mid	QPSK	21.47
Band71	10	133297	25	#Max	QPSK	21.66

Band71	10	133297	50	#0	QPSK	21.46
Band71	10	133422	1	#0	QPSK	22.67
Band71	10	133422	1	#Mid	QPSK	22.73
Band71	10	133422	1	#Max	QPSK	22.88
Band71	10	133422	25	#0	QPSK	21.76
Band71	10	133422	25	#Mid	QPSK	22.12
Band71	10	133422	25	#Max	QPSK	21.82
Band71	10	133422	50	#0	QPSK	22.12
Band71	15	133197	1	#0	QPSK	22.96
Band71	15	133197	1	#Mid	QPSK	22.79
Band71	15	133197	1	#Max	QPSK	22.74
Band71	15	133197	36	#0	QPSK	22.29
Band71	15	133197	36	#Mid	QPSK	22.26
Band71	15	133197	36	#Max	QPSK	21.88
Band71	15	133197	75	#0	QPSK	22.17
Band71	15	133297	1	#0	QPSK	22.78
Band71	15	133297	1	#Mid	QPSK	22.89
Band71	15	133297	1	#Max	QPSK	22.68
Band71	15	133297	36	#0	QPSK	21.86
Band71	15	133297	36	#Mid	QPSK	21.47
Band71	15	133297	36	#Max	QPSK	21.97
Band71	15	133297	75	#0	QPSK	21.57
Band71	15	133397	1	#0	QPSK	22.65
Band71	15	133397	1	#Mid	QPSK	22.68
Band71	15	133397	1	#Max	QPSK	22.80
Band71	15	133397	36	#0	QPSK	21.99
Band71	15	133397	36	#Mid	QPSK	21.84
Band71	15	133397	36	#Max	QPSK	21.83
Band71	15	133397	75	#0	QPSK	21.74
Band71	20	133222	1	#0	QPSK	22.87
Band71	20	133222	1	#Mid	QPSK	22.63
Band71	20	133222	1	#Max	QPSK	22.61
Band71	20	133222	50	#0	QPSK	22.24
Band71	20	133222	50	#Mid	QPSK	21.99
Band71	20	133222	50	#Max	QPSK	21.93
Band71	20	133222	100	#0	QPSK	22.12
Band71	20	133297	1	#0	QPSK	22.94
Band71	20	133297	1	#Mid	QPSK	23.01
Band71	20	133297	1	#Max	QPSK	22.97
Band71	20	133297	50	#0	QPSK	21.82
Band71	20	133297	50	#Mid	QPSK	21.72
Band71	20	133297	50	#Max	QPSK	22.07
Band71	20	133297	100	#0	QPSK	21.54
Band71	20	133372	1	#0	QPSK	22.56
Band71	20	133372	1	#Mid	QPSK	22.70
Band71	20	133372	1	#Max	QPSK	22.99
Band71	20	133372	50	#0	QPSK	21.99
Band71	20	133372	50	#Mid	QPSK	21.96
Band71	20	133372	50	#Max	QPSK	22.05
Band71	20	133372	100	#0	QPSK	22.10

14.2 Transmit Antennas and SAR Measurement Position

EUT Antenna Location:



Antennas	Support Band
Main	GSM 850/1900 + WCDMA Band 2/5 + LTE Band 2/4/5/12/17/66/71 T/RX
FM	FM

Distance of The Antenna to the EUT surface and edge (mm)						
Antennas	Front	Back	Top Side	Bottom Side	Left Side	Right Side
Main	<25	<25	105	<25	<25	<25

Positions for SAR tests; Hotspot mode						
Antennas	Front	Back	Top Side	Bottom Side	Left Side	Right Side
Main	Yes	Yes	No	Yes	Yes	Yes

Note:

1. According to the KDB 941225 D06 Hot Spot SAR v02, the edges with less than 25 mm distance to the antennas need to be tested for SAR.
2. According to the KDB 941225 D06 Hot Spot SAR v02, When the overall length and width of a device is > 9 cm x 5 cm (~3.5" x 2"), a test separation distance of 10 mm is required for hotspot mode SAR measurements.

14.3 Measured and Reported (Scaled) SAR Results

The calculated SAR is obtained by the following formula:

1. Reported SAR for WWAN=Measured SAR * Tune-up Scaling factor
2. Reported SAR for WLAN and Bluetooth=Measured SAR * Tune-up Scaling factor * Duty Cycle Scaling factor
3. Duty Cycle Scaling factor=1/ Duty Cycle (%)

KDB 447498 D01 General RF Exposure Guidance:

Testing of other required channels within the operating mode of a frequency band is not required when the reported 1-g or 10-g SAR for the mid-band or highest output power channel is:

- ≤ 0.8 W/kg or 2.0 W/kg, for 1-g or 10-g respectively, when the transmission band is ≤ 100 MHz
- ≤ 0.6 W/kg or 1.5 W/kg, for 1-g or 10-g respectively, when the transmission band is between 100 MHz and 200 MHz
- ≤ 0.4 W/kg or 1.0 W/kg, for 1-g or 10-g respectively, when the transmission band is ≥ 200 MHz

KDB 648474 D04 Handset SAR v01r03:

1. When the *reported* SAR for a body-worn accessory, measured without a headset connected to the handset, is > 1.2 W/kg, the highest *reported* SAR configuration for that wireless mode and frequency band should be repeated for the body-worn accessory with a headset attached to the handset.
2. when the separation distance required for body-worn accessory testing is larger than or equal to that tested for hotspot mode, using the same wireless mode test configuration for voice and data, such as UMTS, LTE and Wi-Fi, and for the same surface of the phone, the hotspot mode SAR data may be used to support body-worn accessory SAR compliance for that particular configuration (surface)
3. For Smart phones with a display diagonal dimension > 15.0 cm or an overall diagonal dimension > 16.0 cm, when hotspot mode applies, 10-g extremity SAR is required only for the surfaces and edges with hotspot mode 1-g reported SAR > 1.2 W/kg.

KDB 941225 D01 3G SAR Procedures:

When the maximum output power and tune-up tolerance specified for production units in a secondary mode is $\leq 1/4$ dB higher than the primary mode (RMC12.2kbps) or when the highest reported SAR of the primary mode is scaled by the ratio of specified maximum output power and tune-up tolerance of secondary to primary mode and the adjusted SAR is ≤ 1.2 W/kg, SAR measurement is not required for the secondary mode.

KDB 941225 D05 SAR for LTE Devices:

1. Start with the largest channel bandwidth and measure SAR for QPSK with 1 RB, and 50% RB allocation, using the RB offset and required test channel combination with the highest maximum output power among RB offsets at the upper edge, middle and lower edge of each required test channel.
2. When the reported SAR is > 0.8 W/kg, testing for other Channels is performed at the highest output power level for 1RB, and 50% RB configuration for that channel.
3. Testing for 100% RB configuration is performed at the highest output power level for 100% RB configuration across the Low, Mid and High Channel when the highest reported SAR for 1 RB and 50% RB are > 0.8 W/kg. Testing for the remaining required channels is not needed because the reported SAR for 100% RB Allocation < 1.45 W/kg.
4. SAR measurement is not required for the 16QAM and 64QAM. When the highest maximum output power for 16QAM and 64QAM is $\leq 1/2$ dB higher than the QPSK or when the reported SAR for the QPSK configuration is ≤ 1.45 W/kg.
5. Testing for the other channel bandwidths is not required because the reported SAR for the highest channel bandwidth is < 1.45 W/Kg and its output power is not more than 0.5 dB higher than that of the highest channel bandwidth.

GSM 850										
RF Exposure Conditions	Mode	Test Position	CH.	Freq. (MHz)	Output Power (dBm)			SAR1g (W/kg)		Plot No.
					Meas.	Turn-up	Scaling Factor	Meas.	Scaled	
Head (0mm)	GSM	Left Cheek	190	836.6	32.87	33.5	1.156	0.071	0.082	
		Left Tilt	190	836.6	32.87	33.5	1.156	0.096	0.111	
		Right Cheek	190	836.6	32.87	33.5	1.156	0.058	0.067	
		Right Tilt	190	836.6	32.87	33.5	1.156	0.080	0.092	
Body (10mm)	GPRS	Front Face	190	836.6	32.75	33.0	1.059	0.300	0.318	
		Back Face	190	836.6	32.75	33.0	1.059	0.429	0.454	1
		Left Side	190	836.6	32.75	33.0	1.059	0.216	0.229	
		Right Side	190	836.6	32.75	33.0	1.059	0.383	0.406	
		Bottom Side	190	836.6	32.75	33.0	1.059	0.128	0.136	

GSM 1900										
RF Exposure Conditions	Mode	Test Position	CH.	Freq. (MHz)	Output Power (dBm)			SAR1g (W/kg)		Plot No.
					Meas.	Turn-up	Scaling Factor	Meas.	Scaled	
Head (0mm)	GSM	Left Cheek	661	1880.0	29.33	30.0	1.167	0.195	0.228	
		Left Tilt	661	1880.0	29.33	30.0	1.167	0.134	0.156	
		Right Cheek	661	1880.0	29.33	30.0	1.167	0.130	0.152	
		Right Tilt	661	1880.0	29.33	30.0	1.167	0.115	0.134	
Body (10mm)	GPRS	Front Face	661	1880.0	29.23	29.5	1.064	0.253	0.269	
		Back Face	661	1880.0	29.23	29.5	1.064	0.283	0.301	
		Left Side	661	1880.0	29.23	29.5	1.064	0.187	0.199	
		Right Side	661	1880.0	29.23	29.5	1.064	0.193	0.205	
		Bottom Side	661	1880.0	29.23	29.5	1.064	0.321	0.342	2

Remark:

1. The value with the bold is the maximum SAR Value of each test band.
2. Per FCC KDB Publication 447498 D01, if the reported (scaled) SAR measured at the middle channel or highest output power channel for each test configuration is ≤ 0.8 W/kg then testing at the other channels SAR tests are not necessary.

WCDMA Band II										
RF Exposure Conditions	Mode	Test Position	CH.	Freq. (MHz)	Output Power (dBm)			SAR1g (W/kg)		Plot No.
					Meas.	Turn-up	Scaling Factor	Meas.	Scaled	
Head (0mm)	RMC	Left Cheek	9262	1852.4	21.72	22.0	1.067	0.074	0.079	
		Left Tilt	9262	1852.4	21.72	22.0	1.067	0.061	0.065	
		Right Cheek	9262	1852.4	21.72	22.0	1.067	0.088	0.094	
		Right Tilt	9262	1852.4	21.72	22.0	1.067	0.034	0.036	
Body (10mm)	RMC	Front Face	9262	1852.4	21.72	22.0	1.067	0.595	0.635	
		Back Face	9262	1852.4	21.72	22.0	1.067	0.970	1.035	
		Left Side	9262	1852.4	21.72	22.0	1.067	0.241	0.257	
		Right Side	9262	1852.4	21.72	22.0	1.067	0.479	0.511	
		Bottom Side	9262	1852.4	21.72	22.0	1.067	0.618	0.659	
		Back Face	9400	1880.0	21.63	22.0	1.089	0.763	0.831	
		Back Face	9538	1907.6	21.52	22.0	1.117	1.034	1.155	3

WCDMA Band V										
RF Exposure Conditions	Mode	Test Position	CH.	Freq. (MHz)	Output Power (dBm)			SAR1g (W/kg)		Plot No.
					Meas.	Turn-up	Scaling Factor	Meas.	Scaled	
Head (0mm)	RMC	Left Cheek	4132	826.4	22.42	23.0	1.143	0.055	0.063	
		Left Tilt	4132	826.4	22.42	23.0	1.143	0.107	0.122	
		Right Cheek	4132	826.4	22.42	23.0	1.143	0.187	0.214	
		Right Tilt	4132	826.4	22.42	23.0	1.143	0.059	0.067	
Body (10mm)	RMC	Front Face	4132	826.4	22.42	23.0	1.143	0.327	0.374	
		Back Face	4132	826.4	22.42	23.0	1.143	0.875	1.000	
		Left Side	4132	826.4	22.42	23.0	1.143	0.131	0.150	
		Right Side	4132	826.4	22.42	23.0	1.143	0.184	0.210	
		Bottom Side	4132	826.4	22.42	23.0	1.143	0.216	0.247	
		Back Face	4182	836.4	22.27	23.0	1.183	0.934	1.105	4
		Back Face	4233	846.6	22.16	23.0	1.213	0.891	1.081	

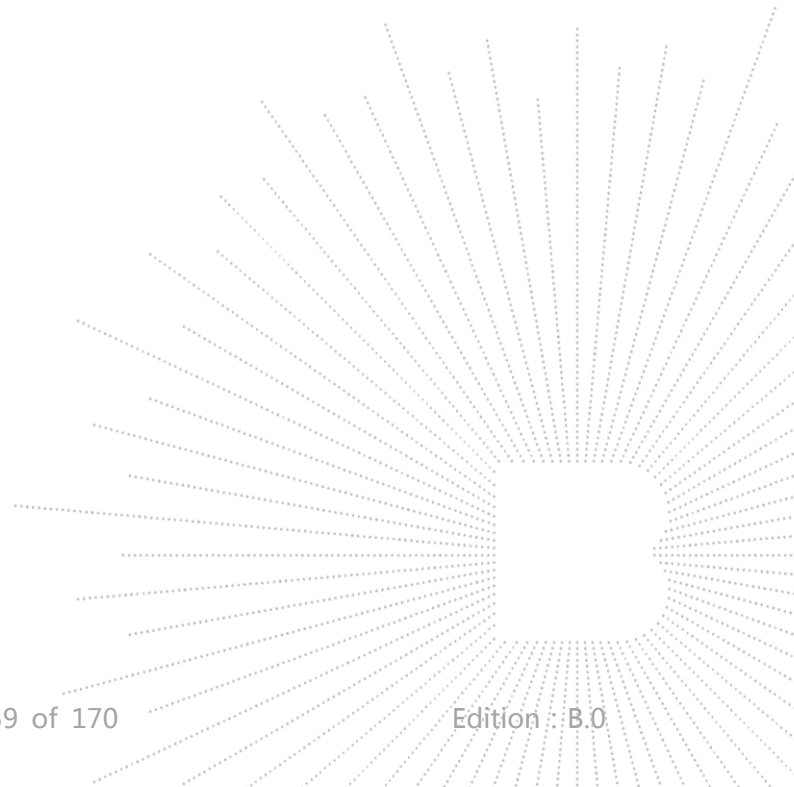
Remark:

1. The value with the bold is the maximum SAR Value of each test band.
2. Per FCC KDB Publication 447498 D01, if the reported (scaled) SAR measured at the middle channel or highest output power channel for each test configuration is ≤ 0.8 W/kg then testing at the other channels SAR tests are not necessary.

FDD-LTE Band 2 (20MHz Bandwidth)										
RF Exposure Conditions	Mode	Test Position	CH.	Freq. (MHz)	Output Power (dBm)			SAR1g (W/kg)		Plot No.
					Meas.	Turn-up	Scaling Factor	Meas.	Scaled	
Head (0mm)	1RB	Left Cheek	18900	1880.0	22.94	23.5	1.138	0.057	0.065	
		Left Tilt	18900	1880.0	22.94	23.5	1.138	0.061	0.069	
		Right Cheek	18900	1880.0	22.94	23.5	1.138	0.059	0.067	
		Right Tilt	18900	1880.0	22.94	23.5	1.138	0.048	0.055	
	50%RB	Left Cheek	18700	1860.0	22.05	22.5	1.109	0.067	0.074	
		Left Tilt	18700	1860.0	22.05	22.5	1.109	0.051	0.057	
		Right Cheek	18700	1860.0	22.05	22.5	1.109	0.064	0.071	
		Right Tilt	18700	1860.0	22.05	22.5	1.109	0.025	0.028	
Body (10mm)	1RB	Front Face	18900	1880.0	22.94	23.5	1.138	0.426	0.485	
		Back Face	18900	1880.0	22.94	23.5	1.138	0.677	0.770	5
		Left Side	18900	1880.0	22.94	23.5	1.138	0.304	0.346	
		Right Side	18900	1880.0	22.94	23.5	1.138	0.270	0.307	
		Bottom Side	18900	1880.0	22.94	23.5	1.138	0.474	0.539	
	50%RB	Front Face	18700	1860.0	22.05	22.5	1.109	0.306	0.339	
		Back Face	18700	1860.0	22.05	22.5	1.109	0.465	0.516	
		Left Side	18700	1860.0	22.05	22.5	1.109	0.245	0.272	
		Right Side	18700	1860.0	22.05	22.5	1.109	0.189	0.210	
		Bottom Side	18700	1860.0	22.05	22.5	1.109	0.405	0.449	

Remark:

1. The value with the bold is the maximum SAR Value of each test band.
2. Per FCC KDB Publication 447498 D01, if the reported (scaled) SAR measured at the middle channel or highest output power channel for each test configuration is ≤ 0.8 W/kg then testing at the other channels SAR tests are not necessary.



FDD-LTE Band 4 (20MHz Bandwidth)										
RF Exposure Conditions	Mode	Test Position	CH.	Freq. (MHz)	Output Power (dBm)			SAR1g (W/kg)		Plot No.
					Meas.	Turn-up	Scaling Factor	Meas.	Scaled	
Head (0mm)	1RB	Left Cheek	20300	1745.0	22.90	23.5	1.148	0.218	0.250	
		Left Tilt	20300	1745.0	22.90	23.5	1.148	0.177	0.203	
		Right Cheek	20300	1745.0	22.90	23.5	1.148	0.208	0.239	
		Right Tilt	20300	1745.0	22.90	23.5	1.148	0.150	0.172	
	50%RB	Left Cheek	20300	1745.0	21.89	22.5	1.151	0.183	0.211	
		Left Tilt	20300	1745.0	21.89	22.5	1.151	0.181	0.208	
		Right Cheek	20300	1745.0	21.89	22.5	1.151	0.197	0.227	
		Right Tilt	20300	1745.0	21.89	22.5	1.151	0.105	0.121	
Body (10mm)	1RB	Front Face	20300	1745.0	22.90	23.5	1.148	0.766	0.879	
		Back Face	20300	1745.0	22.90	23.5	1.148	1.190	1.366	
		Left Side	20300	1745.0	22.90	23.5	1.148	0.412	0.473	
		Right Side	20300	1745.0	22.90	23.5	1.148	0.789	0.906	
		Bottom Side	20300	1745.0	22.90	23.5	1.148	1.089	1.250	
		Back Face	20050	1720.0	22.71	23.5	1.199	1.220	1.463	6
		Back Face	20175	1732.5	22.84	23.5	1.164	1.247	1.452	
	50%RB	Front Face	20300	1745.0	21.89	22.5	1.151	0.590	0.679	
		Back Face	20300	1745.0	21.89	22.5	1.151	0.980	1.128	
		Left Side	20300	1745.0	21.89	22.5	1.151	0.299	0.344	
		Right Side	20300	1745.0	21.89	22.5	1.151	0.628	0.723	
		Bottom Side	20300	1745.0	21.89	22.5	1.151	0.895	1.030	
		Back Face	20050	1720.0	21.72	22.5	1.197	0.996	1.192	
	100%RB	Back Face	20175	1732.5	21.77	22.5	1.183	0.872	1.032	

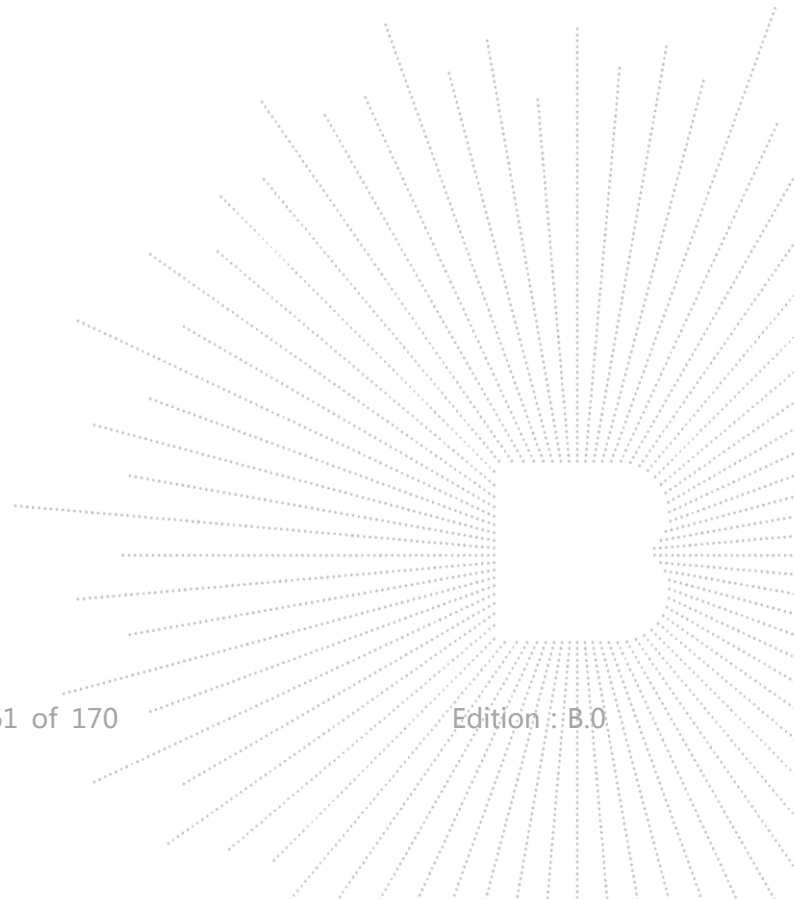
Remark:

1. The value with the bold is the maximum SAR Value of each test band.
2. Per FCC KDB Publication 447498 D01, if the reported (scaled) SAR measured at the middle channel or highest output power channel for each test configuration is ≤ 0.8 W/kg then testing at the other channels SAR tests are not necessary.

FDD-LTE Band 5 (10MHz Bandwidth)										
RF Exposure Conditions	Mode	Test Position	CH.	Freq. (MHz)	Output Power (dBm)			SAR1g (W/kg)		Plot No.
					Meas.	Turn-up	Scaling Factor	Meas.	Scaled	
Head (0mm)	1RB	Left Cheek	20450	829.0	23.02	23.5	1.117	0.094	0.105	
		Left Tilt	20450	829.0	23.02	23.5	1.117	0.077	0.086	
		Right Cheek	20450	829.0	23.02	23.5	1.117	0.086	0.096	
		Right Tilt	20450	829.0	23.02	23.5	1.117	0.053	0.059	
	50%RB	Left Cheek	20450	829.0	22.32	23.0	1.169	0.078	0.091	
		Left Tilt	20450	829.0	22.32	23.0	1.169	0.056	0.065	
		Right Cheek	20450	829.0	22.32	23.0	1.169	0.042	0.049	
		Right Tilt	20450	829.0	22.32	23.0	1.169	0.048	0.056	
Body (10mm)	1RB	Front Face	20450	829.0	23.02	23.5	1.117	0.295	0.329	
		Back Face	20450	829.0	23.02	23.5	1.117	0.667	0.745	7
		Left Side	20450	829.0	23.02	23.5	1.117	0.134	0.150	
		Right Side	20450	829.0	23.02	23.5	1.117	0.153	0.171	
		Bottom Side	20450	829.0	23.02	23.5	1.117	0.240	0.268	
	50%RB	Front Face	20450	829.0	22.32	23.0	1.169	0.282	0.330	
		Back Face	20450	829.0	22.32	23.0	1.169	0.562	0.657	
		Left Side	20450	829.0	22.32	23.0	1.169	0.111	0.130	
		Right Side	20450	829.0	22.32	23.0	1.169	0.133	0.156	
		Bottom Side	20450	829.0	22.32	23.0	1.169	0.167	0.195	

Remark:

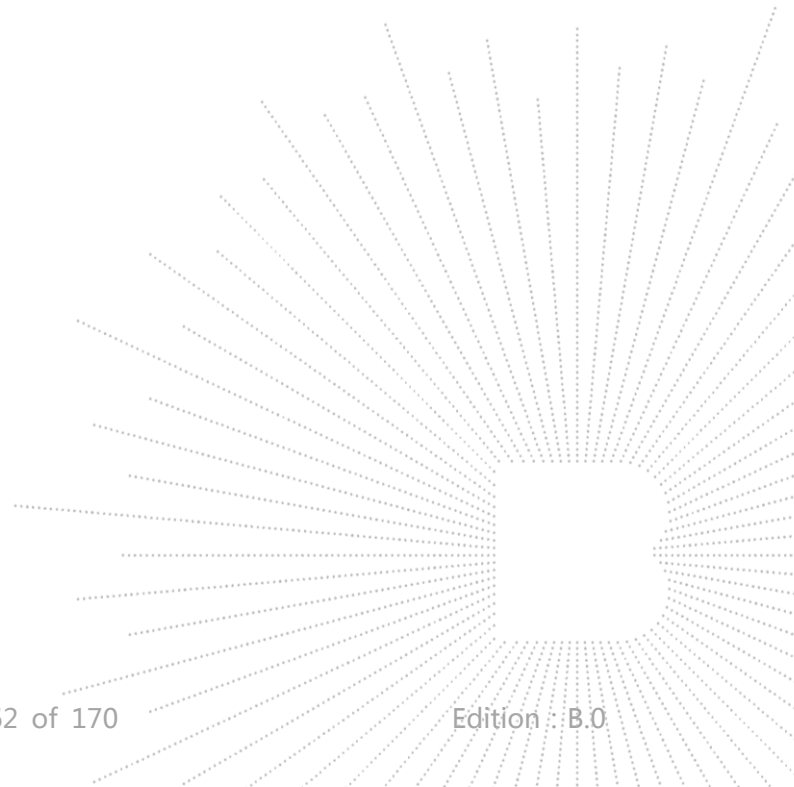
1. The value with the bold is the maximum SAR Value of each test band.
2. Per FCC KDB Publication 447498 D01, if the reported (scaled) SAR measured at the middle channel or highest output power channel for each test configuration is ≤ 0.8 W/kg then testing at the other channels SAR tests are not necessary.



FDD-LTE Band 12 (10MHz Bandwidth)										
RF Exposure Conditions	Mode	Test Position	CH.	Freq. (MHz)	Output Power (dBm)			SAR1g (W/kg)		Plot No.
					Meas.	Turn-up	Scaling Factor	Meas.	Scaled	
Head (0mm)	1RB	Left Cheek	23095	707.5	23.27	23.5	1.054	0.065	0.069	
		Left Tilt	23095	707.5	23.27	23.5	1.054	0.054	0.057	
		Right Cheek	23095	707.5	23.27	23.5	1.054	0.025	0.026	
		Right Tilt	23095	707.5	23.27	23.5	1.054	0.036	0.038	
	50%RB	Left Cheek	23060	704.0	22.31	23.0	1.172	0.065	0.076	
		Left Tilt	23060	704.0	22.31	23.0	1.172	0.045	0.053	
		Right Cheek	23060	704.0	22.31	23.0	1.172	0.014	0.016	
		Right Tilt	23060	704.0	22.31	23.0	1.172	0.052	0.061	
Body (10mm)	1RB	Front Face	23095	707.5	23.27	23.5	1.054	0.183	0.193	
		Back Face	23095	707.5	23.27	23.5	1.054	0.394	0.415	8
		Left Side	23095	707.5	23.27	23.5	1.054	0.085	0.090	
		Right Side	23095	707.5	23.27	23.5	1.054	0.124	0.131	
		Bottom Side	23095	707.5	23.27	23.5	1.054	0.113	0.119	
	50%RB	Front Face	23060	704.0	22.31	23.0	1.172	0.110	0.129	
		Back Face	23060	704.0	22.31	23.0	1.172	0.230	0.270	
		Left Side	23060	704.0	22.31	23.0	1.172	0.071	0.083	
		Right Side	23060	704.0	22.31	23.0	1.172	0.101	0.118	
		Bottom Side	23060	704.0	22.31	23.0	1.172	0.109	0.128	

Remark:

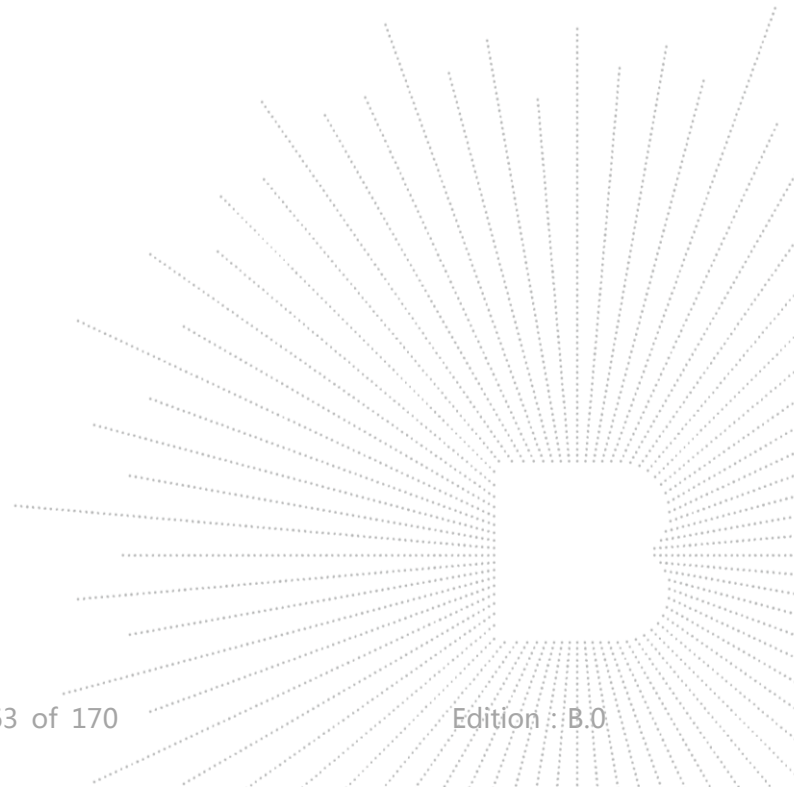
1. The value with the bold is the maximum SAR Value of each test band.
2. Per FCC KDB Publication 447498 D01, if the reported (scaled) SAR measured at the middle channel or highest output power channel for each test configuration is ≤ 0.8 W/kg then testing at the other channels SAR tests are not necessary.



FDD-LTE Band 17 (10MHz Bandwidth)										
RF Exposure Conditions	Mode	Test Position	CH.	Freq. (MHz)	Output Power (dBm)			SAR1g (W/kg)		Plot No.
					Meas.	Turn-up	Scaling Factor	Meas.	Scaled	
Head (0mm)	1RB	Left Cheek	23800	711.0	22.95	23.5	1.135	0.055	0.062	
		Left Tilt	23800	711.0	22.95	23.5	1.135	0.065	0.074	
		Right Cheek	23800	711.0	22.95	23.5	1.135	0.054	0.061	
		Right Tilt	23800	711.0	22.95	23.5	1.135	0.046	0.052	
	50%RB	Left Cheek	23790	710.0	22.00	22.5	1.122	0.056	0.063	
		Left Tilt	23790	710.0	22.00	22.5	1.122	0.014	0.016	
		Right Cheek	23790	710.0	22.00	22.5	1.122	0.046	0.052	
		Right Tilt	23790	710.0	22.00	22.5	1.122	0.045	0.050	
Body (10mm)	1RB	Front Face	23800	711.0	22.95	23.5	1.135	0.125	0.142	
		Back Face	23800	711.0	22.95	23.5	1.135	0.332	0.377	9
		Left Side	23800	711.0	22.95	23.5	1.135	0.089	0.101	
		Right Side	23800	711.0	22.95	23.5	1.135	0.136	0.154	
		Bottom Side	23800	711.0	22.95	23.5	1.135	0.145	0.165	
	50%RB	Front Face	23790	710.0	22.00	22.5	1.122	0.087	0.098	
		Back Face	23790	710.0	22.00	22.5	1.122	0.244	0.274	
		Left Side	23790	710.0	22.00	22.5	1.122	0.086	0.096	
		Right Side	23790	710.0	22.00	22.5	1.122	0.122	0.137	
		Bottom Side	23790	710.0	22.00	22.5	1.122	0.106	0.119	

Remark:

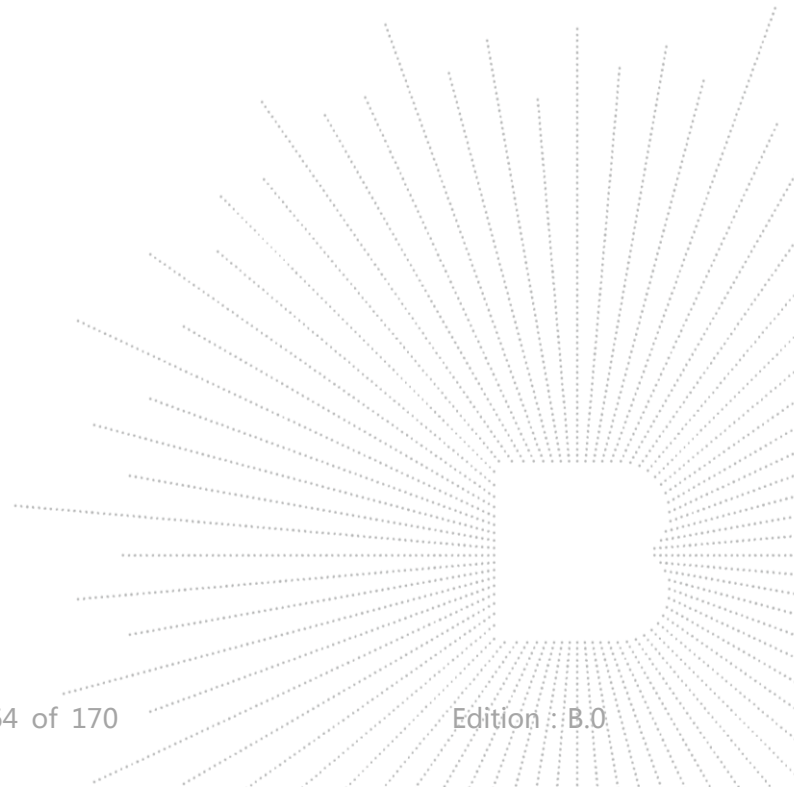
1. The value with the bold is the maximum SAR Value of each test band.
2. Per FCC KDB Publication 447498 D01, if the reported (scaled) SAR measured at the middle channel or highest output power channel for each test configuration is ≤ 0.8 W/kg then testing at the other channels SAR tests are not necessary.



FDD-LTE Band 66 (20MHz Bandwidth)										
RF Exposure Conditions	Mode	Test Position	CH.	Freq. (MHz)	Output Power (dBm)			SAR1g (W/kg)		Plot No.
					Meas.	Turn-up	Scaling Factor	Meas.	Scaled	
Head (0mm)	1RB	Left Cheek	132572	1770.0	22.91	23.5	1.146	0.185	0.212	
		Left Tilt	132572	1770.0	22.91	23.5	1.146	0.159	0.182	
		Right Cheek	132572	1770.0	22.91	23.5	1.146	0.148	0.170	
		Right Tilt	132572	1770.0	22.91	23.5	1.146	0.194	0.222	
	50%RB	Left Cheek	132072	1720.0	22.10	22.5	1.096	0.196	0.215	
		Left Tilt	132072	1720.0	22.10	22.5	1.096	0.156	0.171	
		Right Cheek	132072	1720.0	22.10	22.5	1.096	0.146	0.160	
		Right Tilt	132072	1720.0	22.10	22.5	1.096	0.158	0.173	
Body (10mm)	1RB	Front Face	132572	1770.0	22.91	23.5	1.146	0.539	0.617	
		Back Face	132572	1770.0	22.91	23.5	1.146	0.965	1.105	
		Left Side	132572	1770.0	22.91	23.5	1.146	0.341	0.391	
		Right Side	132572	1770.0	22.91	23.5	1.146	0.558	0.639	
		Bottom Side	132572	1770.0	22.91	23.5	1.146	1.051	1.204	10
		Bottom Side	132072	1720.0	22.70	23.5	1.202	0.952	1.145	
		Bottom Side	132322	1745.0	22.90	23.5	1.148	0.902	1.036	
	50%RB	Front Face	132072	1720.0	22.10	22.5	1.096	0.467	0.512	
		Back Face	132072	1720.0	22.10	22.5	1.096	0.713	0.782	
		Left Side	132072	1720.0	22.10	22.5	1.096	0.293	0.321	
		Right Side	132072	1720.0	22.10	22.5	1.096	0.462	0.507	
		Bottom Side	132072	1720.0	22.10	22.5	1.096	0.739	0.810	

Remark:

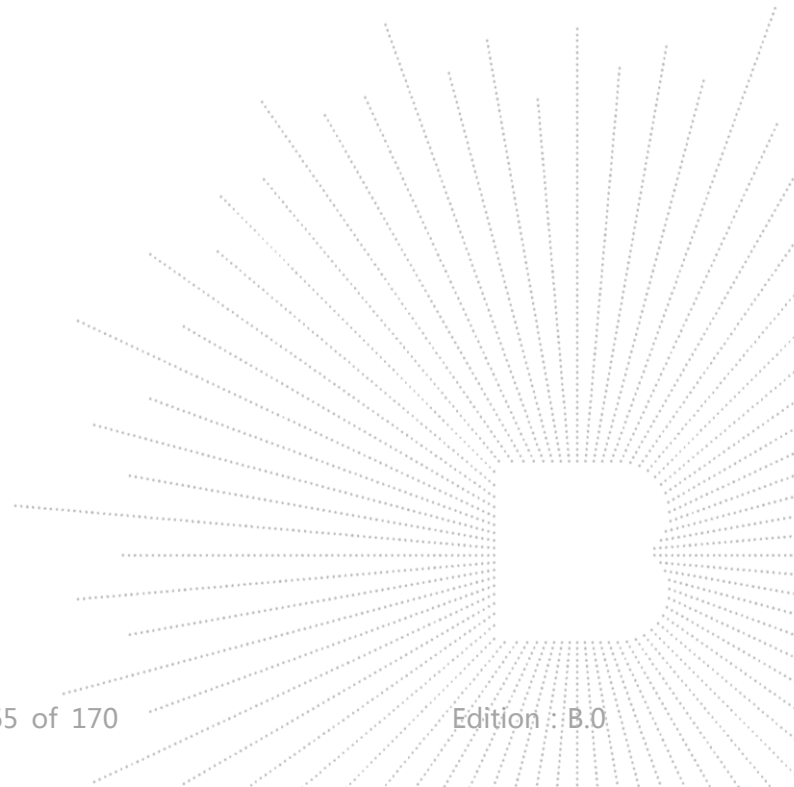
1. The value with the bold is the maximum SAR Value of each test band.
2. Per FCC KDB Publication 447498 D01, if the reported (scaled) SAR measured at the middle channel or highest output power channel for each test configuration is ≤ 0.8 W/kg then testing at the other channels SAR tests are not necessary.



FDD-LTE Band 71 (20MHz Bandwidth)										
RF Exposure Conditions	Mode	Test Position	CH.	Freq. (MHz)	Output Power (dBm)			SAR1g (W/kg)		Plot No.
					Meas.	Turn-up	Scaling Factor	Meas.	Scaled	
Head (0mm)	1RB	Left Cheek	133322	683.0	23.01	23.5	1.119	0.154	0.172	
		Left Tilt	133322	683.0	23.01	23.5	1.119	0.089	0.100	
		Right Cheek	133322	683.0	23.01	23.5	1.119	0.111	0.124	
		Right Tilt	133322	683.0	23.01	23.5	1.119	0.088	0.099	
	50%RB	Left Cheek	133222	673.0	22.24	22.5	1.062	0.068	0.072	
		Left Tilt	133222	673.0	22.24	22.5	1.062	0.054	0.057	
		Right Cheek	133222	673.0	22.24	22.5	1.062	0.054	0.057	
		Right Tilt	133222	673.0	22.24	22.5	1.062	0.087	0.092	
Body (10mm)	1RB	Front Face	133322	683.0	23.01	23.5	1.119	0.261	0.292	
		Back Face	133322	683.0	23.01	23.5	1.119	0.438	0.490	11
		Left Side	133322	683.0	23.01	23.5	1.119	0.111	0.124	
		Right Side	133322	683.0	23.01	23.5	1.119	0.253	0.283	
		Bottom Side	133322	683.0	23.01	23.5	1.119	0.405	0.453	
	50%RB	Front Face	133222	673.0	22.24	22.5	1.062	0.247	0.262	
		Back Face	133222	673.0	22.24	22.5	1.062	0.416	0.442	
		Left Side	133222	673.0	22.24	22.5	1.062	0.120	0.127	
		Right Side	133222	673.0	22.24	22.5	1.062	0.233	0.247	
		Bottom Side	133222	673.0	22.24	22.5	1.062	0.325	0.345	

Remark:

1. The value with the bold is the maximum SAR Value of each test band.
2. Per FCC KDB Publication 447498 D01, if the reported (scaled) SAR measured at the middle channel or highest output power channel for each test configuration is ≤ 0.8 W/kg then testing at the other channels SAR tests are not necessary.



14.4 SAR Measurement Variability

According to KDB865664, Repeated measurements are required only when the measured SAR is ≥ 0.80 W/kg. If the measured SAR value of the initial repeated measurement is < 1.45 W/kg with $\leq 20\%$ variation, only one repeated measurement is required to reaffirm that the results are not expected to have substantial variations, which may introduce significant compliance concerns. A second repeated measurement is required only if the measured result for the initial repeated measurement is within 10% of the SAR limit and vary by more than 20%, which are often related to device and measurement setup difficulties. The following procedures are applied to determine if repeated measurements are required. The same procedures should be adapted for measurements according to extremity and occupational exposure limits by applying a factor of 2.5 for extremity exposure and a factor of 5 for occupational exposure to the corresponding SAR thresholds.¹⁹ The repeated measurement results must be clearly identified in the SAR report. All measured SAR, including the repeated results, must be considered to determine compliance and for reporting according to KDB 690783. Repeated measurement is not required when the original highest measured SAR is < 0.80 W/kg; steps 2) through 4) do not apply.

- 1) When the original highest measured SAR is ≥ 0.80 W/kg, repeat that measurement once.
- 2) Perform a second repeated measurement only if the ratio of largest to smallest SAR for the original and first repeated measurements is > 1.20 or when the original or repeated measurement is ≥ 1.45 W/kg ($\sim 10\%$ from the 1-g SAR limit).
- 3) Perform a third repeated measurement only if the original, first or second repeated measurement is ≥ 1.5 W/kg and the ratio of largest to smallest SAR for the original, first and second repeated measurements is > 1.20 .
- 4) Perform a third repeated measurement only if the original, first or second repeated measurement is ≥ 1.5 W/kg and the ratio of largest to smallest SAR for the original, first and second repeated measurements is > 1.20 .

Test Mode	Frequency Band (MHz)	RF Exposure Configuration	Test Position	Repeated SAR (yes/no)	Highest Measured SAR1-g (W/Kg)	First Repeated	
						Measured SAR1-g (W/Kg)	Largest to Smallest SAR Ratio
WCDMA Band II	1907.6	Body	Back Face	Yes	1.034	0.988	1.047
WCDMA Band V	836.4	Body	Back Face	Yes	0.934	0.906	1.031
LTE Band 4 1RB	1720.0	Body	Back Face	Yes	1.220	1.194	1.022
LTE Band 66 1RB	1770.0	Body	Bottom Side	Yes	1.051	0.995	1.056

14.5 Simultaneous Transmission Evaluation

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.

Application Simultaneous Transmission information:

No.	Configurations	Head SAR	Body SAR
1	WWAN+WIFI	No	No
2	WWAN+Bluetooth	Yes	Yes
3	WIFI+Bluetooth	No	No

Remark:

1. WWAN cannot transmit simultaneously.
2. EUT does not have WIFI capability.
3. According to the KDB 447498 D01 v06, 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:
 - $(\text{max. power of channel, including tune-up tolerance, mW}) / (\text{min. test separation distance, mm}) \cdot [\sqrt{f(\text{GHz})} / x] \text{ W/kg}$ for test separation distances $\leq 50 \text{ mm}$;
where $x = 7.5$ for 1-g SAR, and $x = 18.75$ for 10-g SAR.
 - 0.4 W/kg for 1-g SAR and 1.0 W/kg for 10-g SAR, when the test separation distances is $> 50 \text{ mm}$

Estimated stand alone SAR						
Communication system	Frequency (MHz)	Maximum Power (dBm)	Maximum Power (mW)	Separation Distance (mm)	X	Estimated SAR1-g (W/kg)
Bluetooth*	2480	1.0	1.26	5	3	0.053
Bluetooth*	2480	1.0	1.26	10	7.5	0.026

Note:

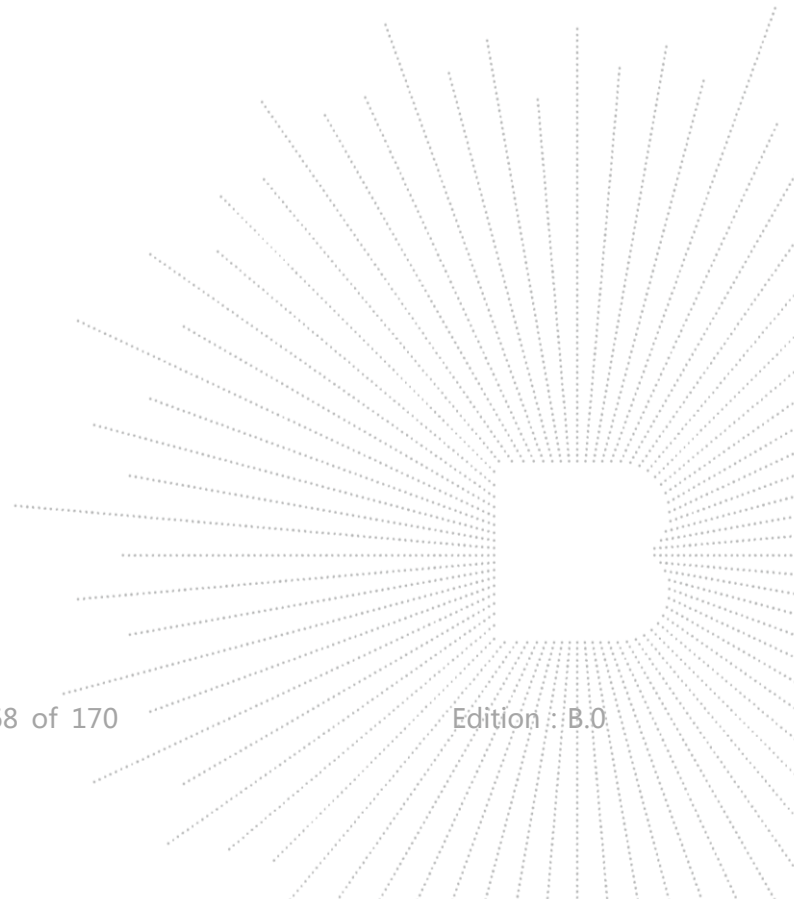
1. Bluetooth*- Including Lower power Bluetooth
2. Maximum average power including tune-up tolerance;
3. When the minimum test separation distance is $< 5 \text{ mm}$, a distance of 5 mm is applied to determine SAR test exclusion

4. Per FCC KD B447498 D01, simultaneous transmission SAR test exclusion may be applied when the sum of the 1-g SAR for all the transmitting antenna in a specific a physical test configuration is $\leq 1.6 \text{ W/Kg}$. When the sum is greater than the SAR limit, SAR test exclusion is determined by the SAR to peak location separation ratio.

$$\text{Ratio} = \frac{(\text{SAR}_1 + \text{SAR}_2)^{1.5}}{(\text{peak location separation, mm})} < 0.04$$

5. Simultaneous transmission of maximum SAR sum calculation.

RF Exposure Conditions	Test Position	WWAN	Bluetooth	Summed SAR (W/kg)	SAR1-g Limit (W/kg)
		Scaled SAR (W/kg)	Scaled SAR (W/kg)		
Head	Left Cheek	0.250	0.053	0.303	1.6
	Left Tilt	0.208	0.053	0.261	1.6
	Right Cheek	0.214	0.053	0.267	1.6
	Right Tilt	0.222	0.053	0.275	1.6
Body	Front Face	0.879	0.053	0.932	1.6
	Back Face	1.463	0.053	1.516	1.6
	Left Side	0.473	0.053	0.526	1.6
	Right Side	0.906	0.053	0.959	1.6
	Top Side	/	0.053	0.053	1.6
	Bottom Side	1.250	0.053	1.303	1.6



15. Test Plots

15.1 System Performance Check

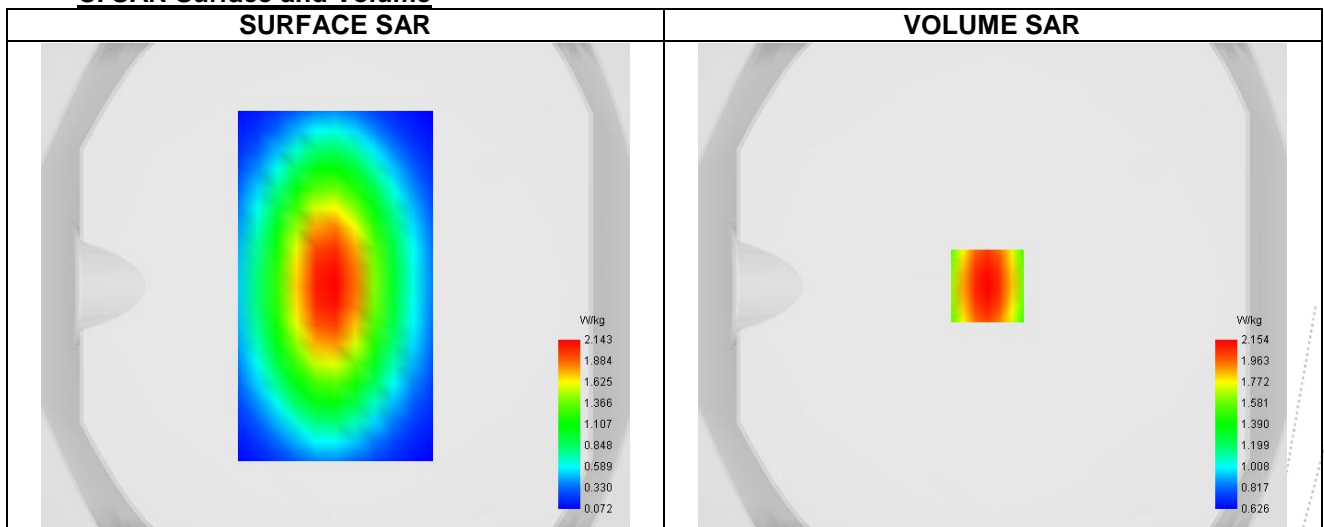
System check at 750 MHz

A. Experimental conditions.

Probe	SN 26/23 EPGO420
ConvF	0.80
Area Scan	surf_sam_plan.txt
Zoom Scan	7x7x8,dx=5mm dy=5mm dz=4mm
Phantom	Validation plane
Device Position	Dipole
Band	CW750
Channels	Middle
Signal	CW (Crest factor: 1.0)

B. Permittivity

Frequency (MHz)	750.000
Relative permittivity (real part)	41.036
Relative permittivity (imaginary part)	21.354
Conductivity (S/m)	0.909

C. SAR Surface and Volume


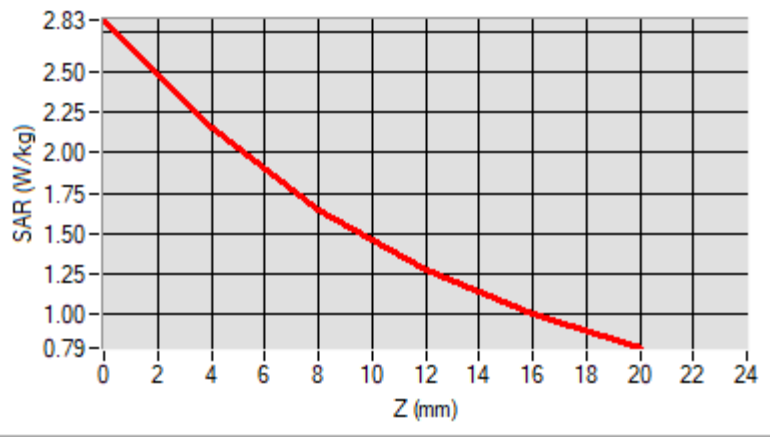
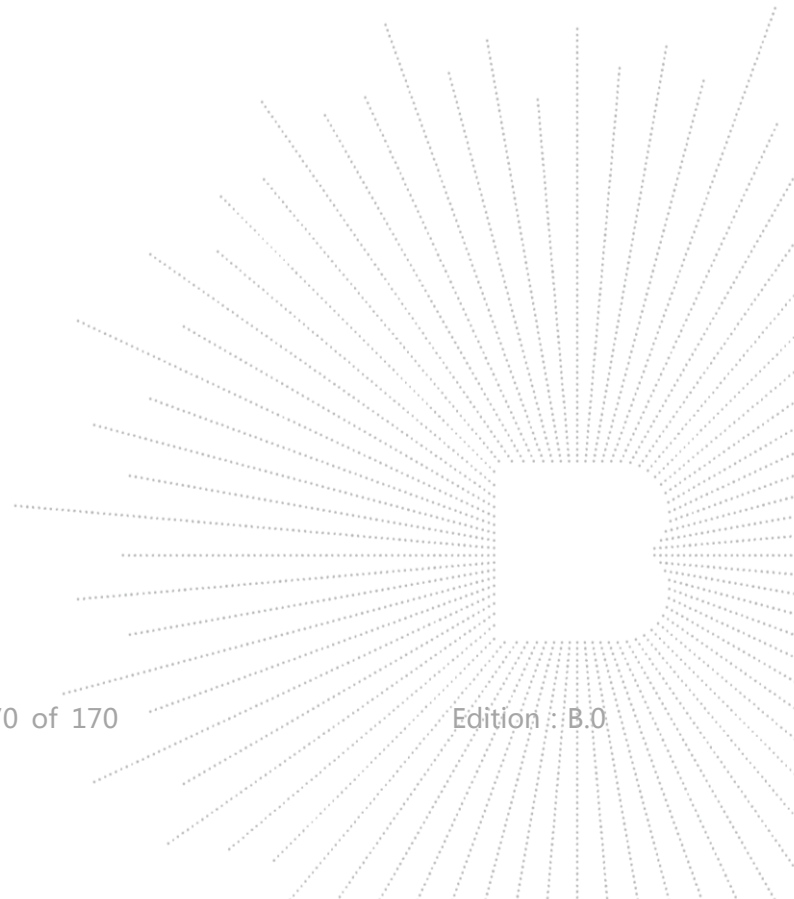
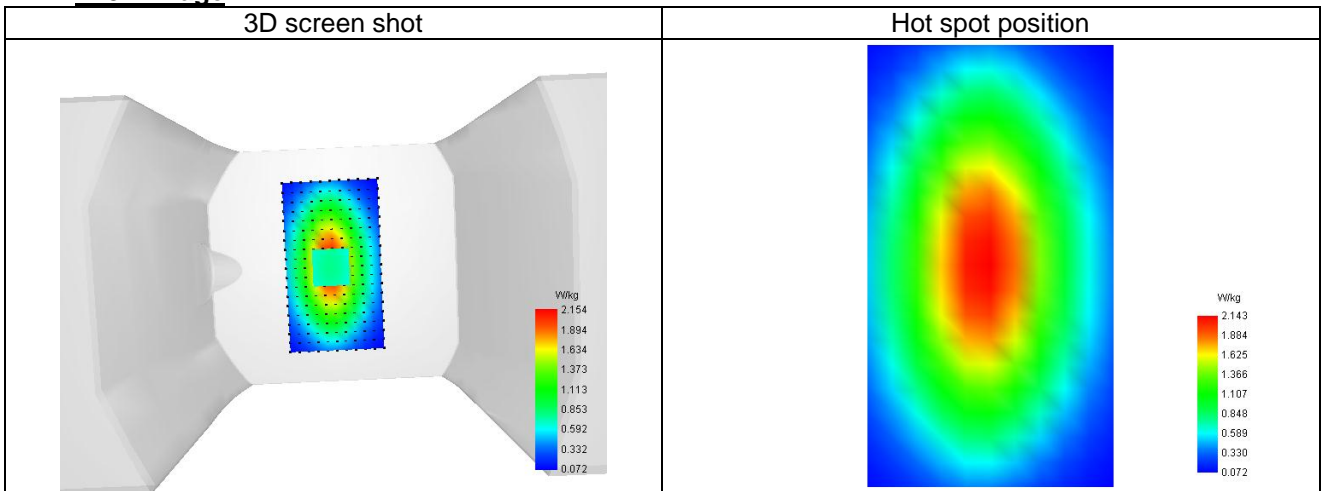
Maximum location: X=-2.00, Y=0.00 ; SAR Peak: 4.96 W/kg

D. SAR 1g & 10g

SAR 10g (W/Kg)	0.947
SAR 1g (W/Kg)	2.065
Variation (%)	-1.579
Horizontal validation criteria: minimum distance (mm)	0.000000
Vertical validation criteria: SAR ratio M2/M1 (%)	0.000000

E. Z Axis Scan

Z (mm)	0.00	4.00	8.00	12.00	16.00
SAR (W/Kg)	2.832	2.176	1.674	1.285	1.064


F. 3D Image


System check at 835 MHz

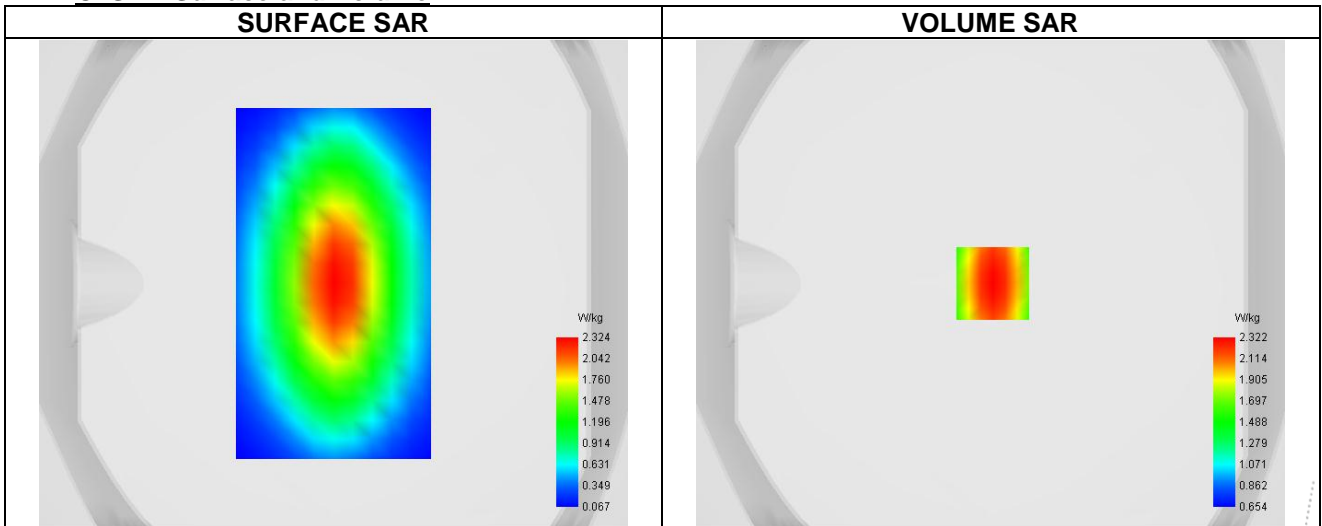
A. Experimental conditions.

Probe	SN 26/23 EPGO420
ConvF	0.81
Area Scan	surf_sam_plan.txt
Zoom Scan	7x7x8,dx=5mm dy=5mm dz=4mm
Phantom	Validation plane
Device Position	Dipole
Band	CW835
Channels	Middle
Signal	CW (Crest factor: 1.0)

B. Permittivity

Frequency (MHz)	835.000
Relative permittivity (real part)	41.446
Relative permittivity (imaginary part)	20.910
Conductivity (S/m)	0.934

C. SAR Surface and Volume



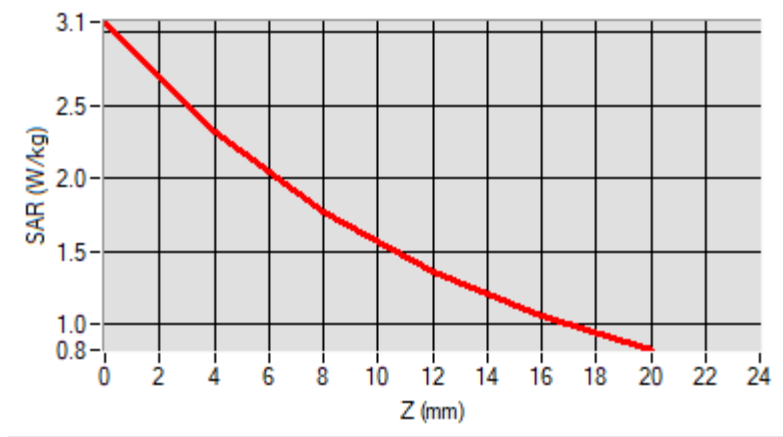
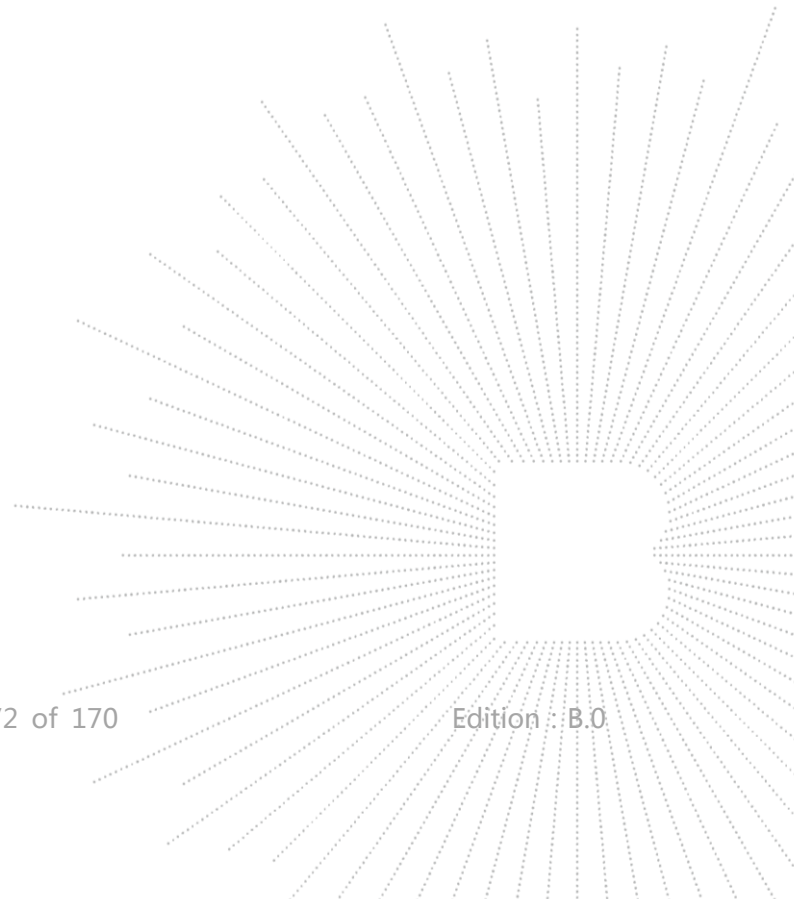
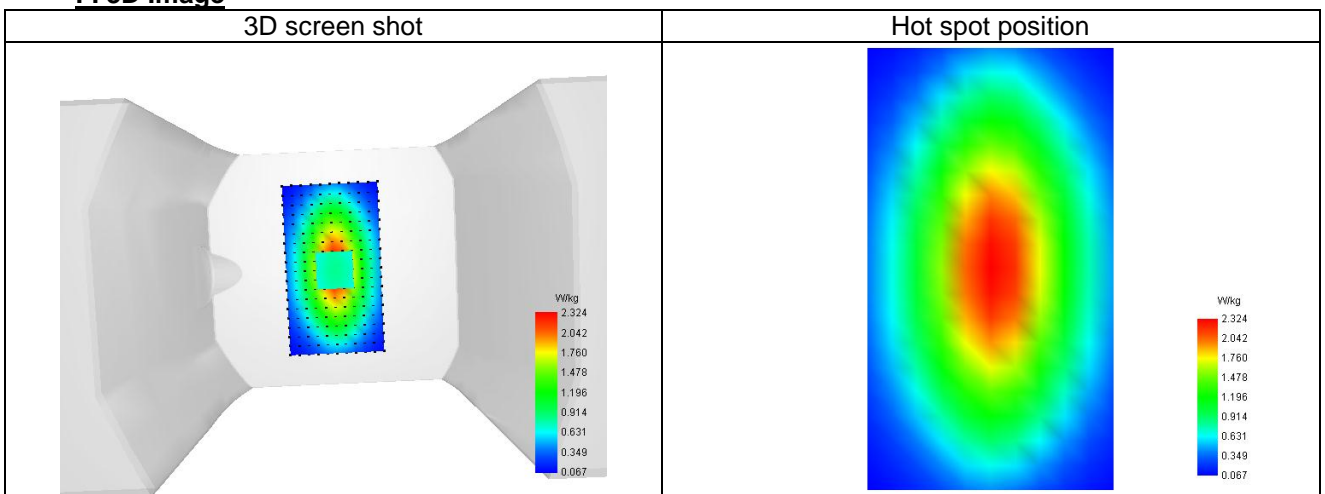
Maximum location: X=1.00, Y=0.00 ; SAR Peak: 5.68 W/kg

D. SAR 1g & 10g

SAR 10g (W/Kg)	1.188
SAR 1g (W/Kg)	2.525
Variation (%)	3.914
Horizontal validation criteria: minimum distance (mm)	0.000000
Vertical validation criteria: SAR ratio M2/M1 (%)	0.000000

E. Z Axis Scan

Z (mm)	0.00	4.00	8.00	12.00	16.00
SAR (W/Kg)	3.108	2.344	1.786	1.395	1.109


F. 3D Image


System check at 1800 MHz

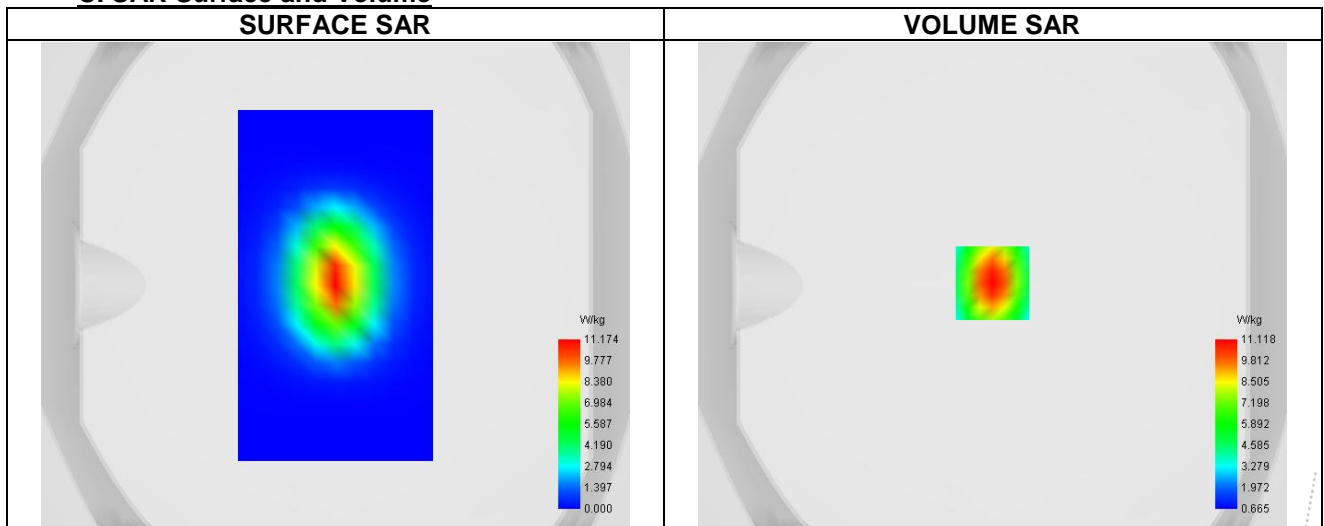
A. Experimental conditions.

Probe	SN 26/23 EPGO420
ConvF	0.96
Area Scan	surf_sam_plan.txt
Zoom Scan	7x7x8,dx=5mm dy=5mm dz=4mm
Phantom	Validation plane
Device Position	Dipole
Band	CW1800
Channels	Middle
Signal	CW (Crest factor: 1.0)

B. Permittivity

Frequency (MHz)	1800.000
Relative permittivity (real part)	41.368
Relative permittivity (imaginary part)	15.186
Conductivity (S/m)	1.385

C. SAR Surface and Volume



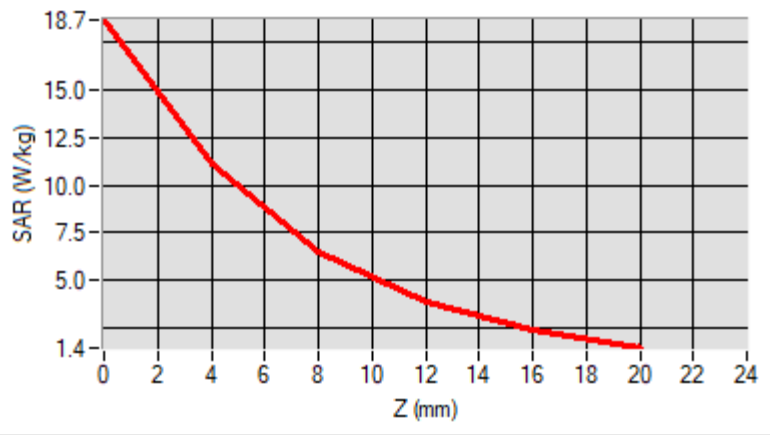
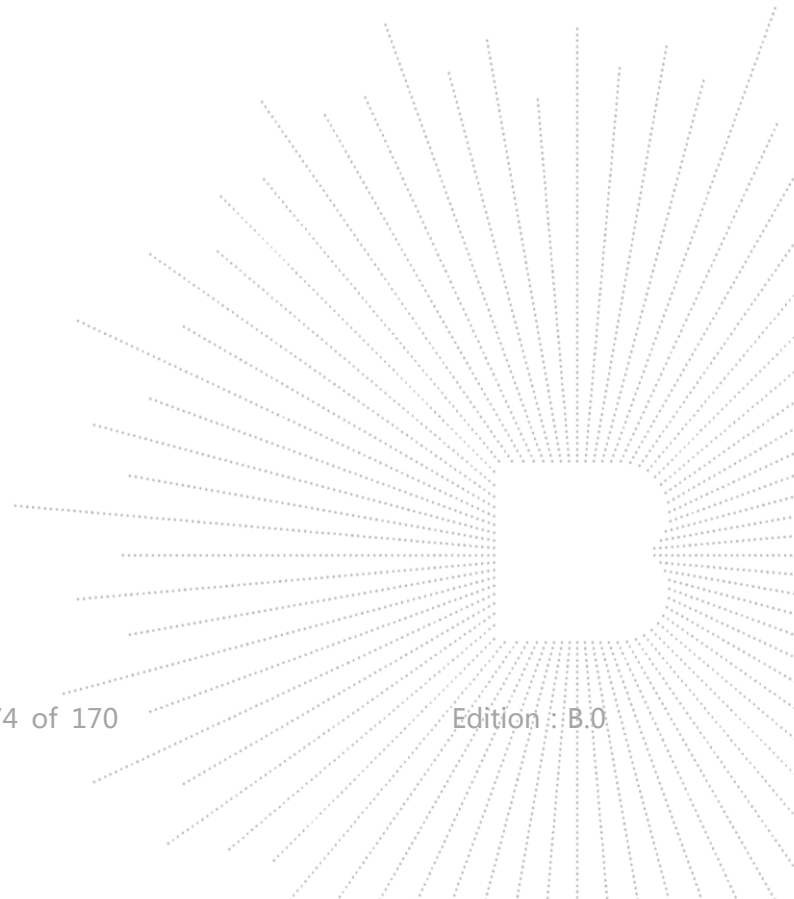
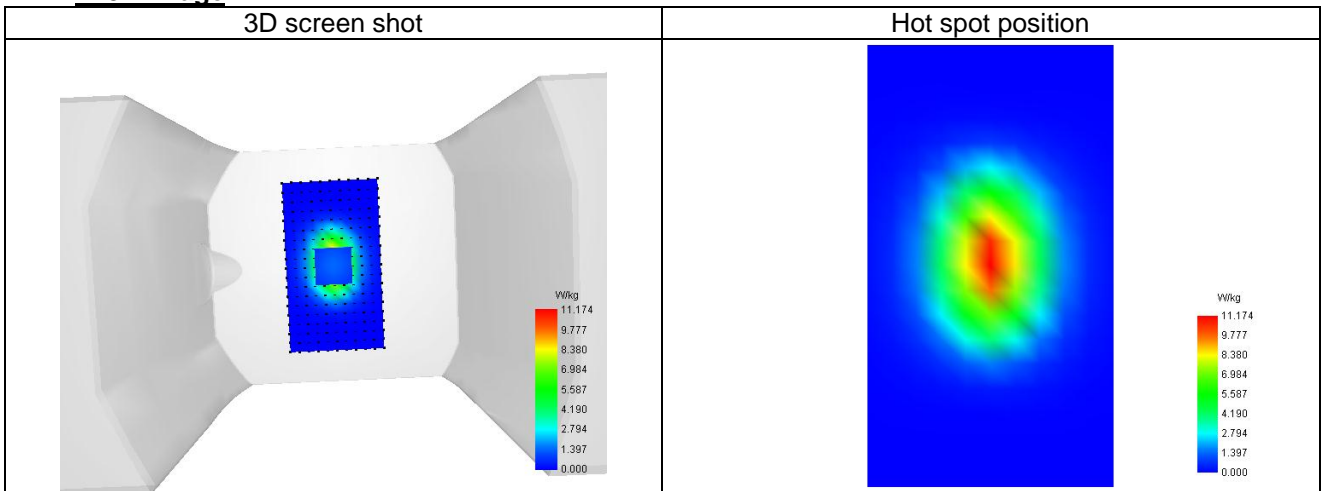
Maximum location: X=0.00, Y=1.00 ; SAR Peak: 22.78 W/kg

D. SAR 1g & 10g

SAR 10g (W/Kg)	4.089
SAR 1g (W/Kg)	9.769
Variation (%)	3.324
Horizontal validation criteria: minimum distance (mm)	0.000000
Vertical validation criteria: SAR ratio M2/M1 (%)	0.000000

E. Z Axis Scan

Z (mm)	0.00	4.00	8.00	12.00	16.00
SAR (W/Kg)	18.71+	11.234	6.561	3.924	2.453


F. 3D Image


System check at 1900 MHz

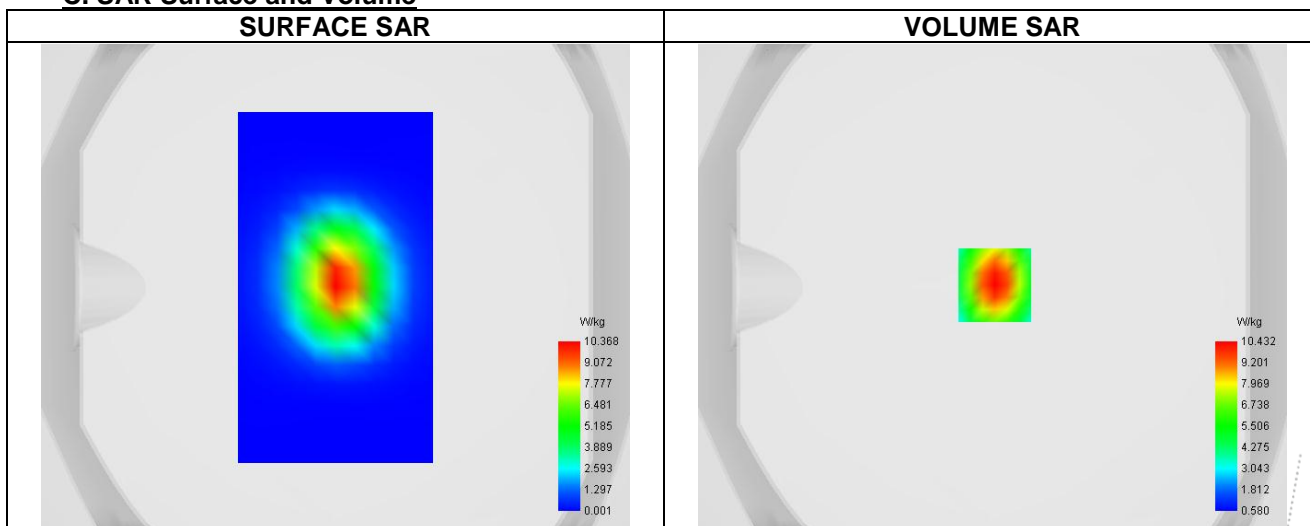
A. Experimental conditions.

Probe	SN 26/23 EPGO420
ConvF	1.04
Area Scan	surf_sam_plan.txt
Zoom Scan	7x7x8,dx=5mm dy=5mm dz=4mm
Phantom	Validation plane
Device Position	Dipole
Band	CW1900
Channels	Middle
Signal	CW (Crest factor: 1.0)

B. Permittivity

Frequency (MHz)	1900.000
Relative permittivity (real part)	39.068
Relative permittivity (imaginary part)	12.866
Conductivity (S/m)	1.424

C. SAR Surface and Volume



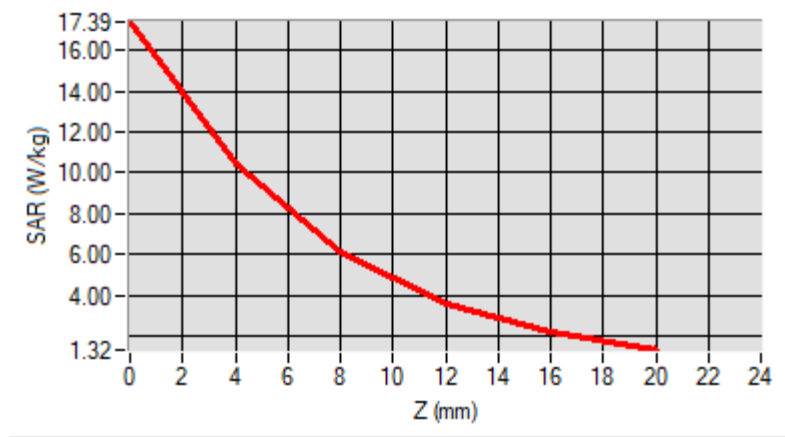
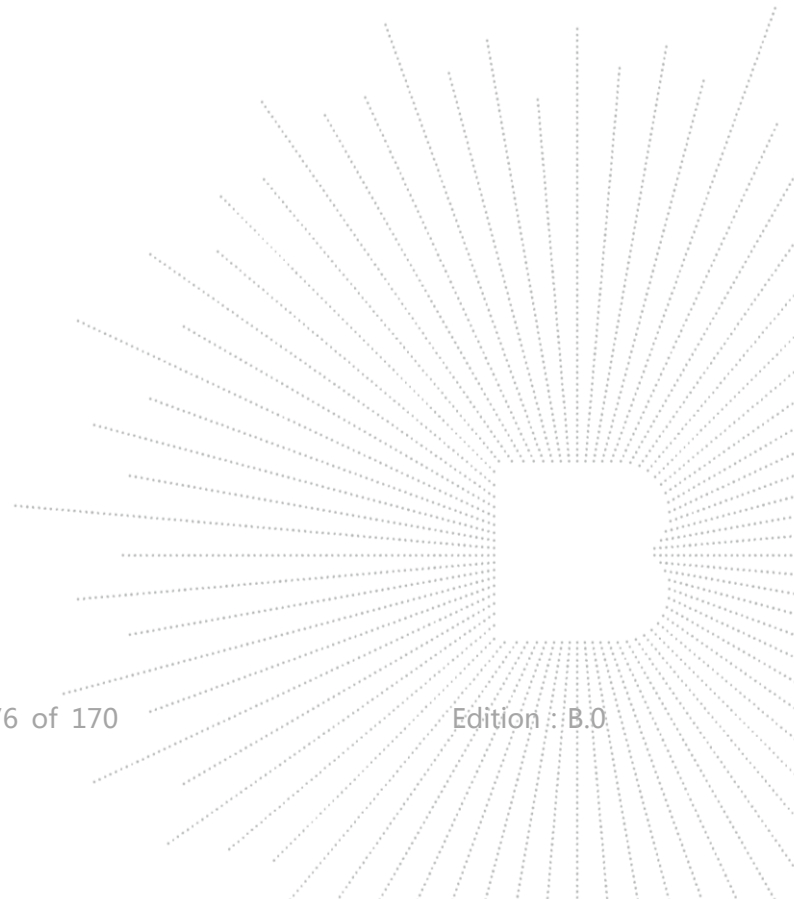
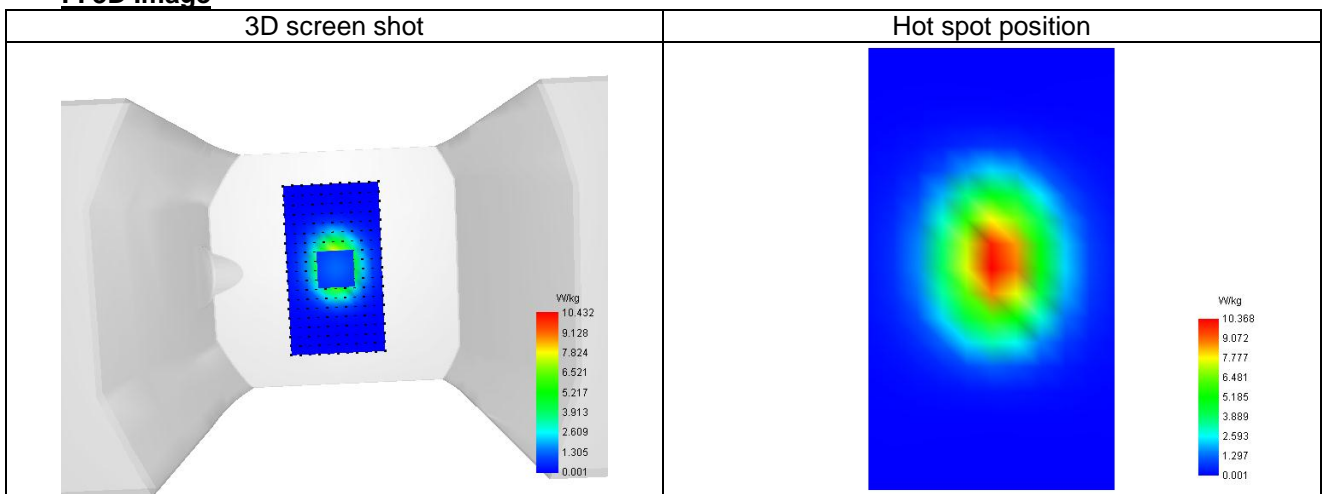
Maximum location: X=1.00, Y=1.00 ; SAR Peak: 22.54 W/kg

D. SAR 1g & 10g

SAR 10g (W/Kg)	4.733
SAR 1g (W/Kg)	10.168
Variation (%)	-2.383
Horizontal validation criteria: minimum distance (mm)	0.000000
Vertical validation criteria: SAR ratio M2/M1 (%)	0.000000

E. Z Axis Scan

Z (mm)	0.00	4.00	8.00	12.00	16.00
SAR (W/Kg)	17.387	10.484	6.206	3.672	2.184


F. 3D Image


15.2 SAR Test Graph Results

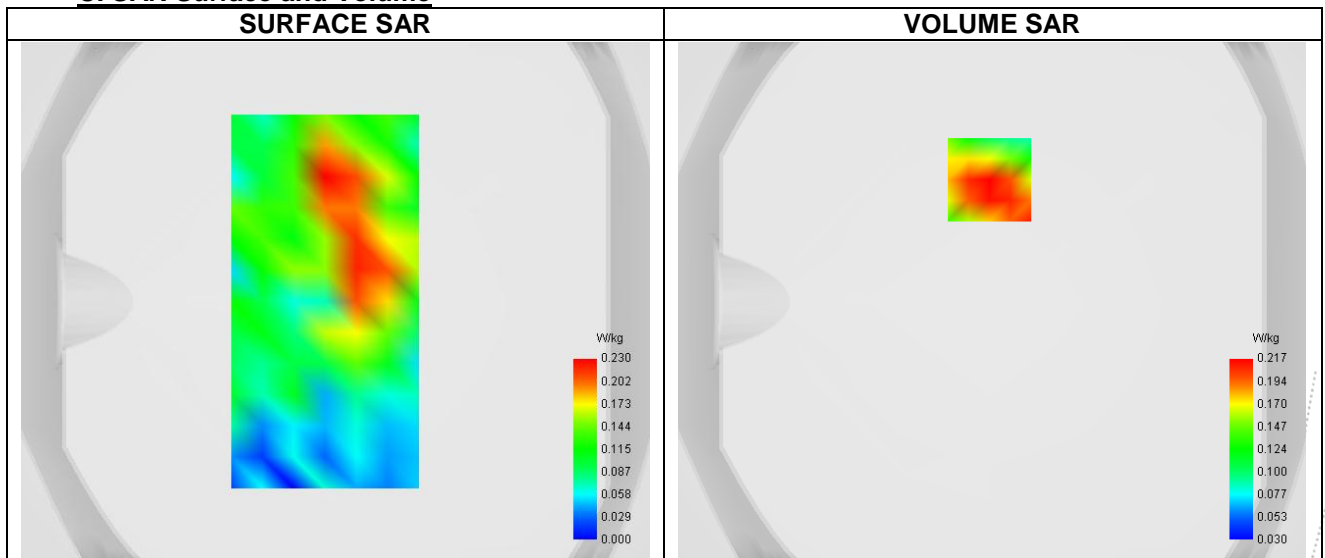
Plot 1

A. Experimental conditions.

Probe	SN 26/23 EPGO420
ConvF	0.81
Area Scan	surf_sam_plan.txt
Zoom Scan	5x5x7,dx=8mm dy=8mm dz=5mm
Phantom	Validation plane
Device Position	Body
Band	GPRS 850
Channels	Middle (190)
Signal	TDMA (GSM)
Modulation	GMSK

B. Permittivity

Frequency (MHz)	836.600
Relative permittivity (real part)	41.446
Relative permittivity (imaginary part)	19.400
Conductivity (S/m)	0.934

C. SAR Surface and Volume


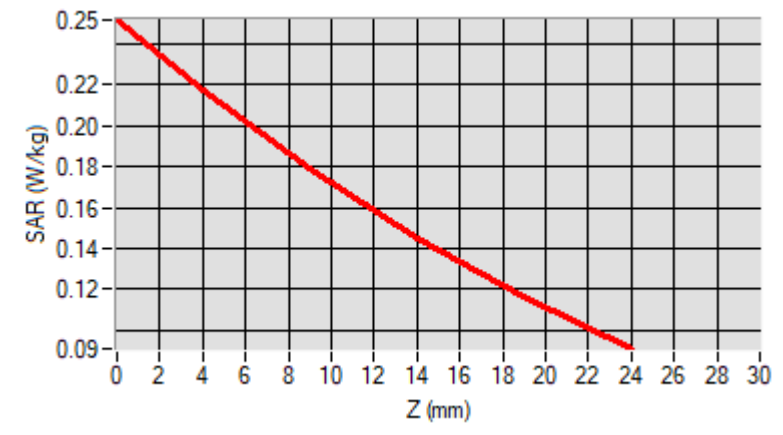
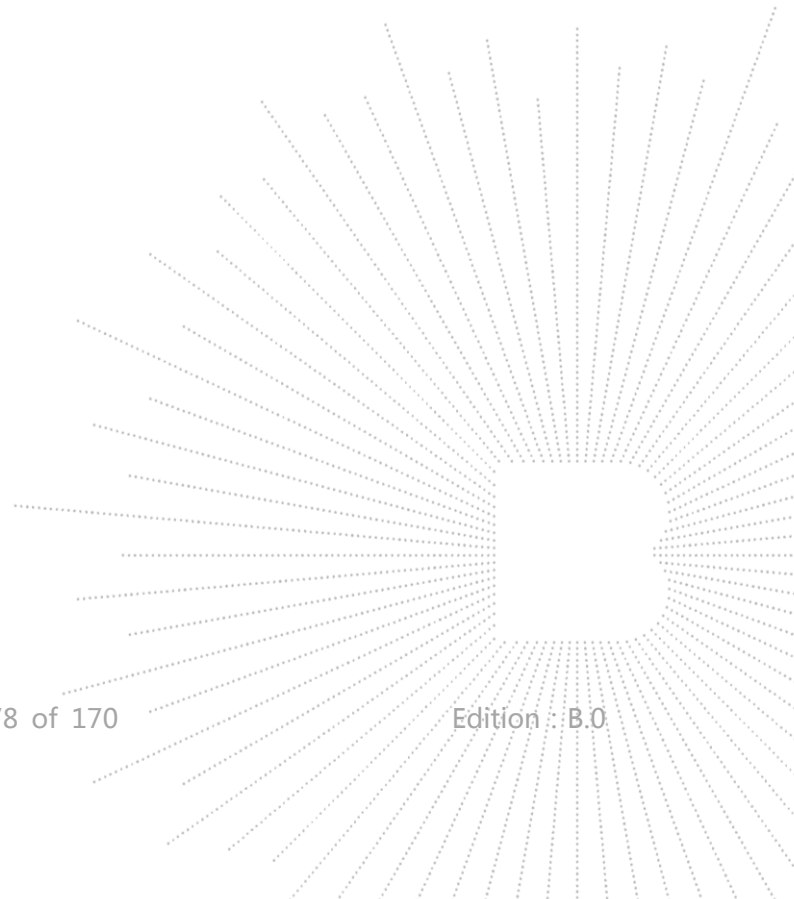
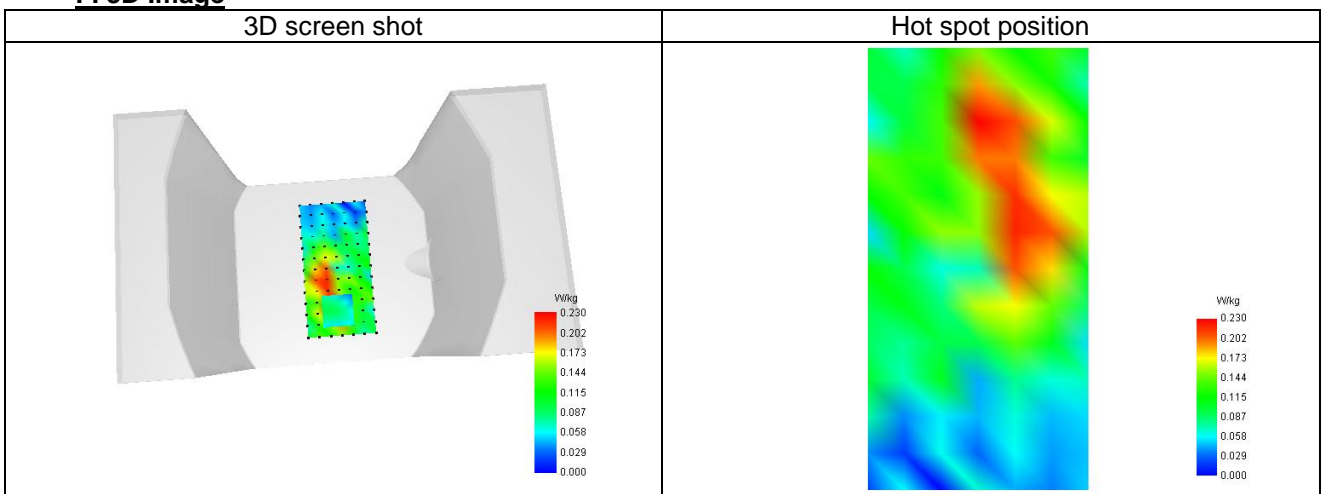
Maximum location: X=-1.00, Y=47.00 ; SAR Peak: 0.33 W/kg

D. SAR 1g & 10g

SAR 10g (W/Kg)	0.267
SAR 1g (W/Kg)	0.429
Variation (%)	-1.970
Horizontal validation criteria: minimum distance (mm)	0.000000
Vertical validation criteria: SAR ratio M2/M1 (%)	0.000000

E. Z Axis Scan

Z (mm)	0.00	4.00	9.00	14.00	19.00
SAR (W/Kg)	0.252	0.217	0.179	0.145	0.116


F. 3D Image


Plot 2

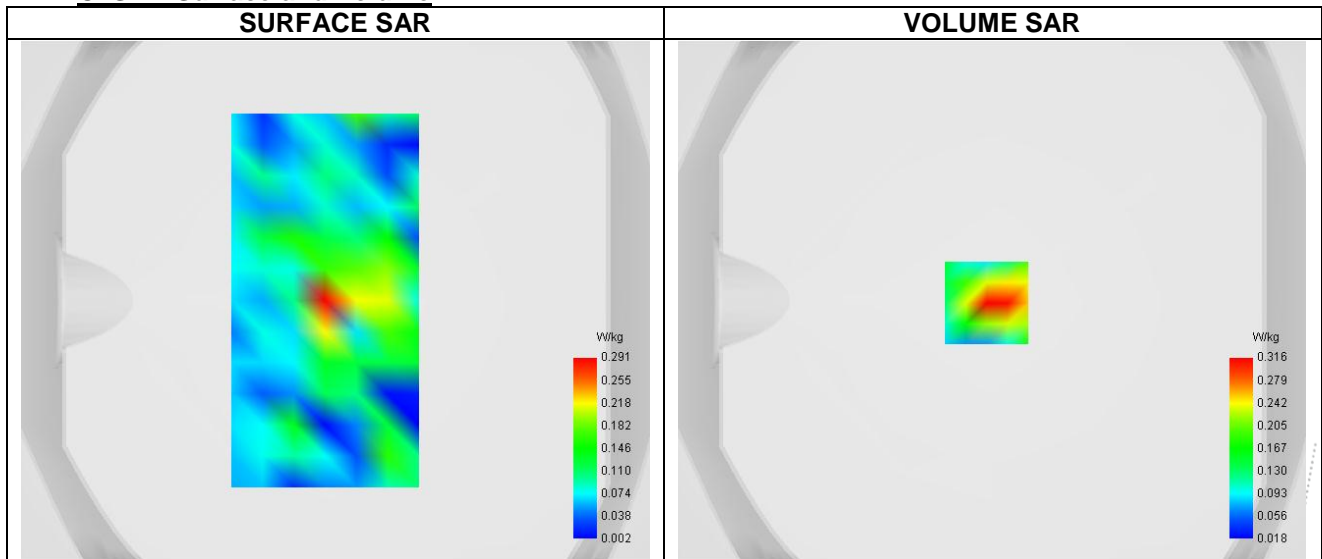
A. Experimental conditions.

Probe	SN 26/23 EPGO420
ConvF	1.04
Area Scan	surf_sam_plan.txt
Zoom Scan	5x5x7,dx=8mm dy=8mm dz=5mm
Phantom	Validation plane
Device Position	Body
Band	GPRS1900
Channels	Middle (661)
Signal	TDMA (GSM)
Modulation	GMSK

B. Permittivity

Frequency (MHz)	1880.000
Relative permittivity (real part)	39.068
Relative permittivity (imaginary part)	13.408
Conductivity (S/m)	1.424

C. SAR Surface and Volume



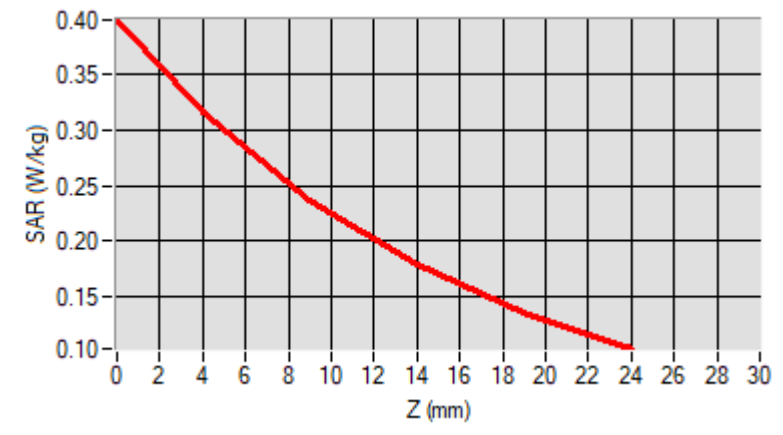
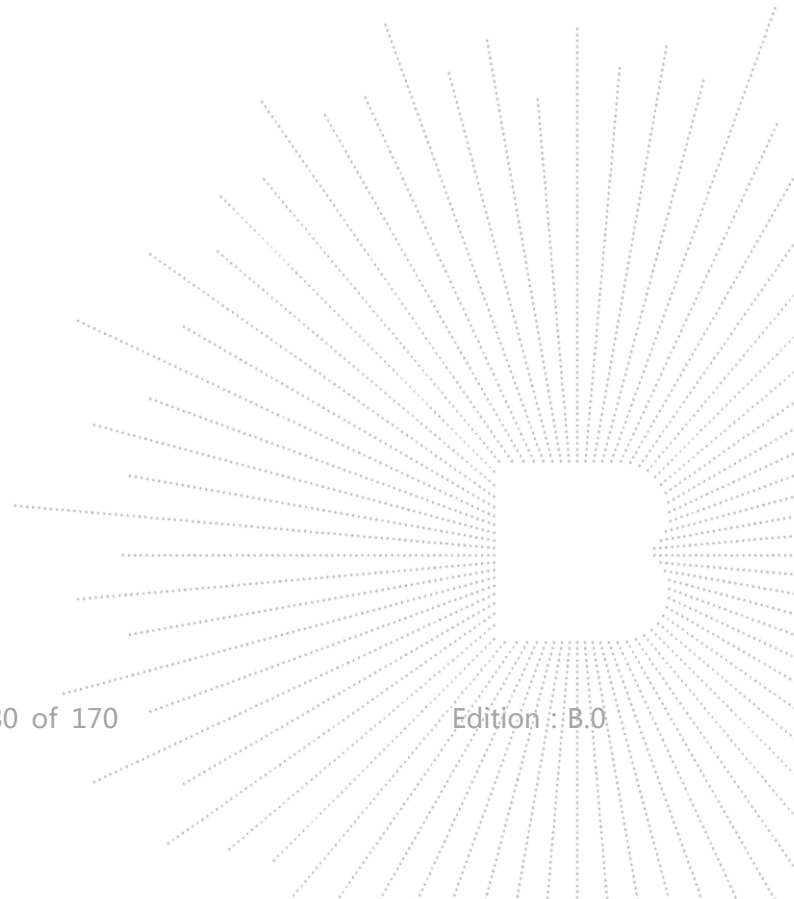
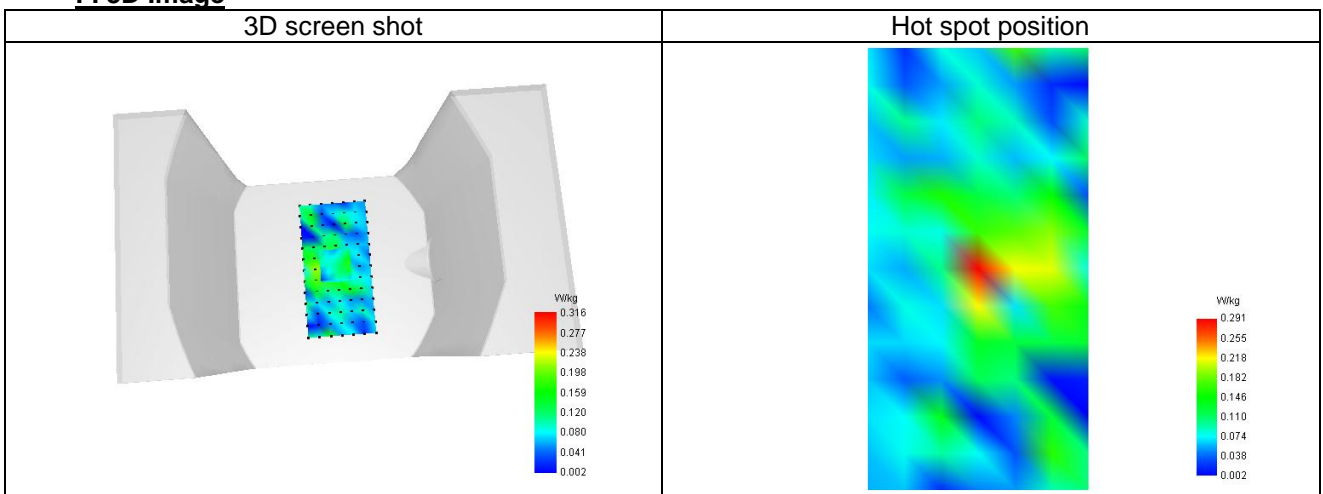
Maximum location: X=-2.00, Y=-1.00 ; SAR Peak: 0.57 W/kg

D. SAR 1g & 10g

SAR 10g (W/Kg)	0.208
SAR 1g (W/Kg)	0.321
Variation (%)	2.440
Horizontal validation criteria: minimum distance (mm)	0.000000
Vertical validation criteria: SAR ratio M2/M1 (%)	0.000000

E. Z Axis Scan

Z (mm)	0.00	4.00	9.00	14.00	19.00
SAR (W/Kg)	0.399	0.316	0.236	0.178	0.136


F. 3D Image


Plot 3

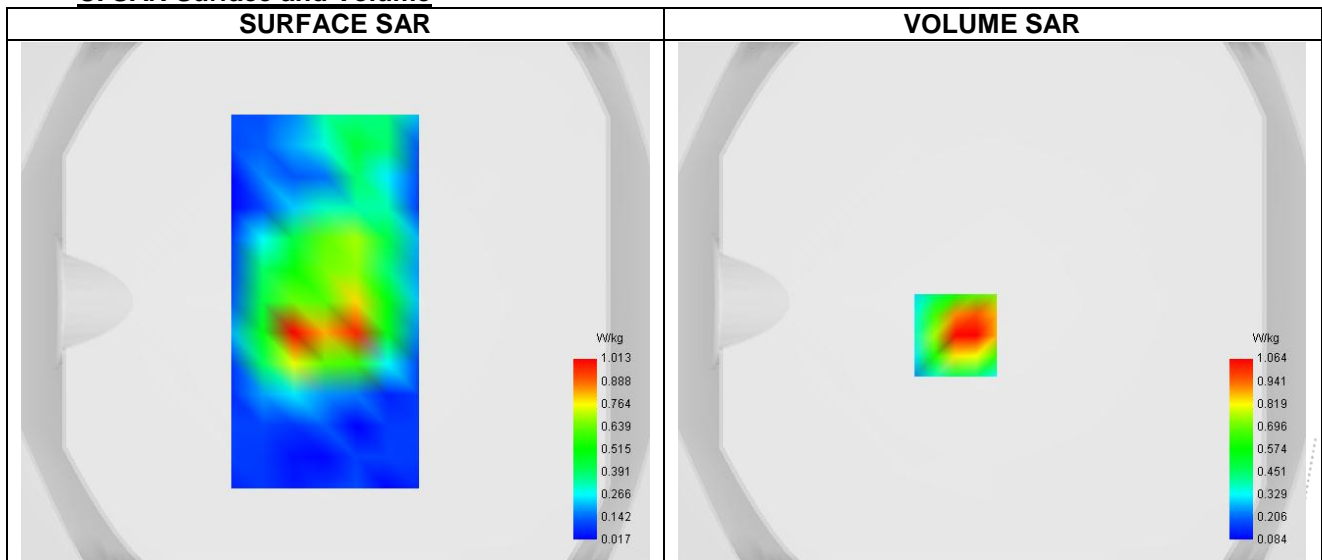
A. Experimental conditions.

Probe	SN 26/23 EPGO420
ConvF	1.04
Area Scan	surf_sam_plan.txt
Zoom Scan	5x5x7,dx=8mm dy=8mm dz=5mm
Phantom	Validation plane
Device Position	Body
Band	Band2_WCDMA1900
Channels	Higher (9538)
Signal	TDMA (EDGE)
Modulation	GMSK (MCS--1)

B. Permittivity

Frequency (MHz)	1907.600
Relative permittivity (real part)	39.068
Relative permittivity (imaginary part)	13.210
Conductivity (S/m)	1.424

C. SAR Surface and Volume

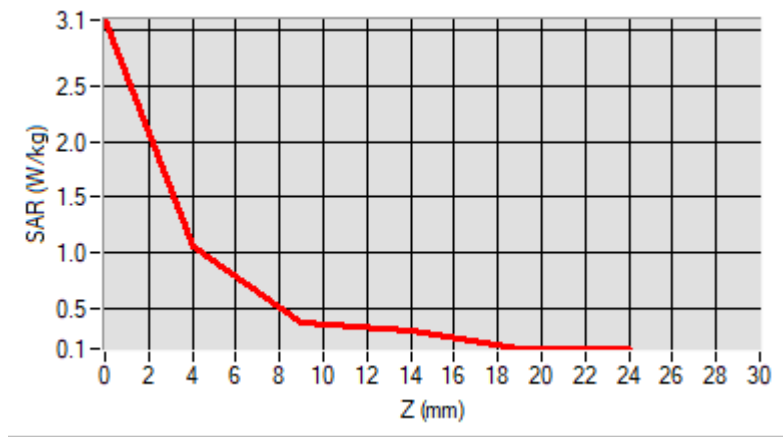
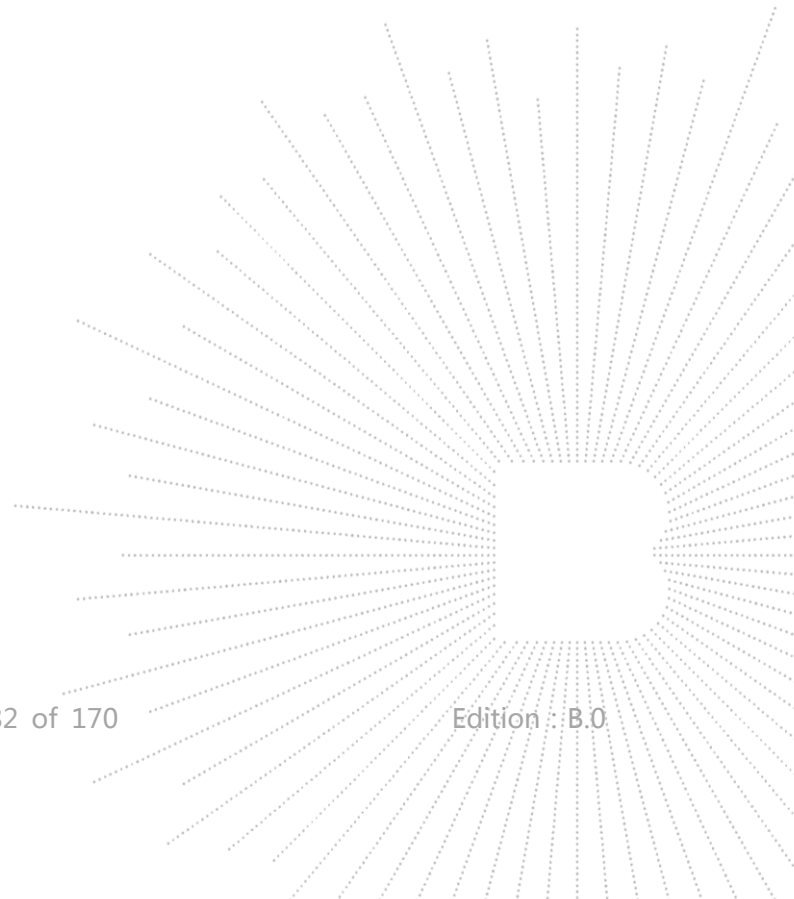
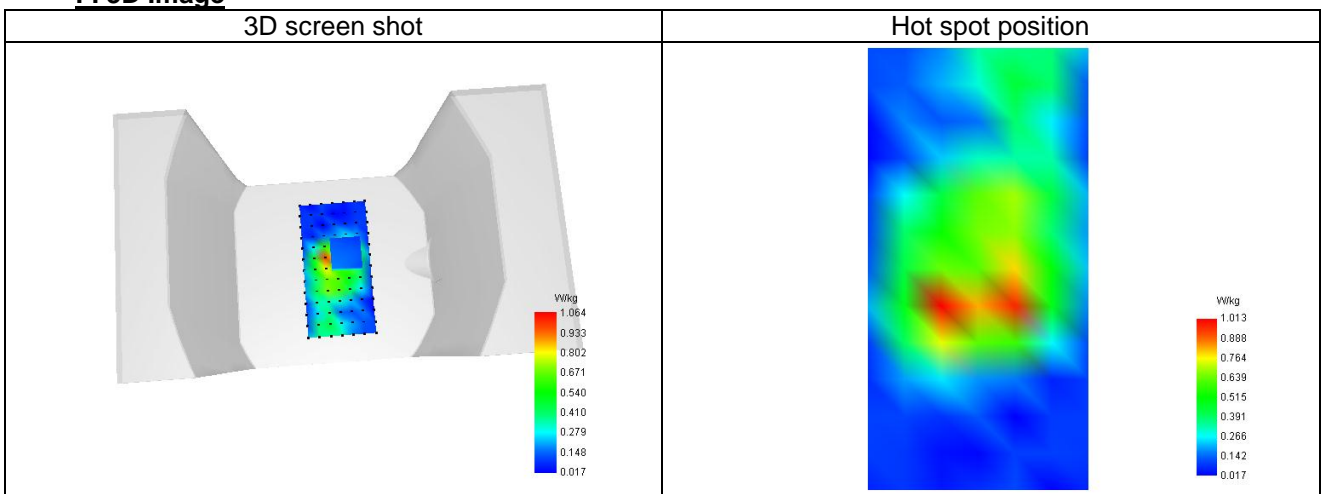


D. SAR 1g & 10g

SAR 10g (W/Kg)	0.554
SAR 1g (W/Kg)	1.034
Variation (%)	-2.100
Horizontal validation criteria: minimum distance (mm)	0.000000
Vertical validation criteria: SAR ratio M2/M1 (%)	0.000000

E. Z Axis Scan

Z (mm)	0.00	4.00	9.00	14.00	19.00
SAR (W/Kg)	3.082	1.064	0.380	0.307	0.158


F. 3D Image


Plot 4

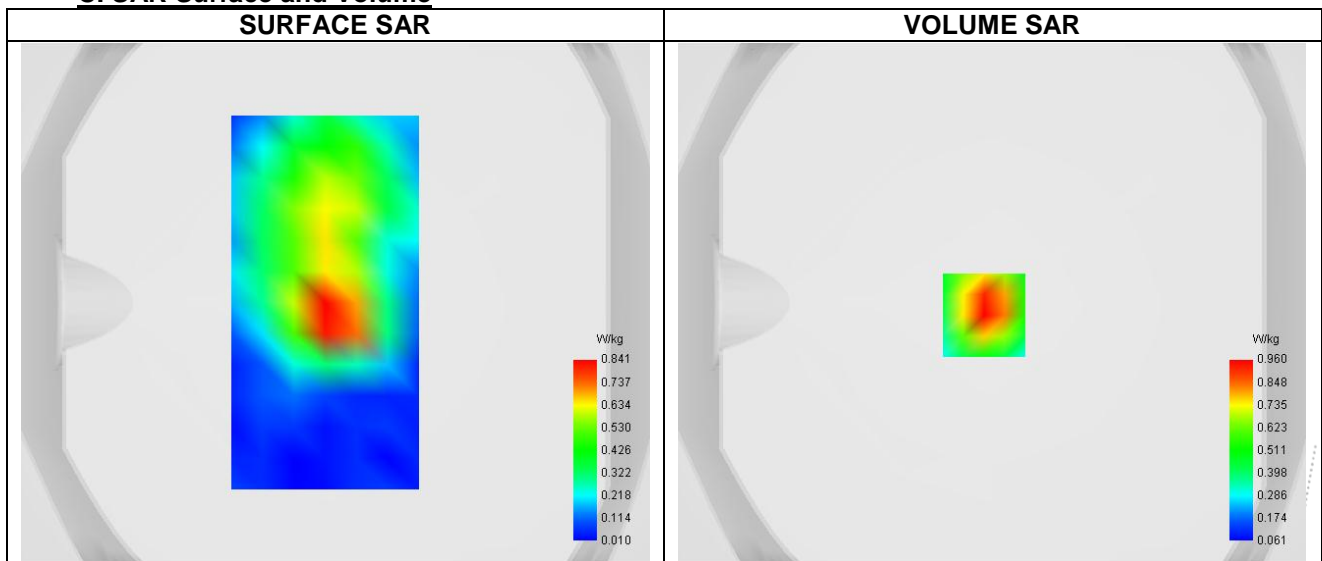
A. Experimental conditions.

Probe	SN 26/23 EPGO420
ConvF	0.81
Area Scan	surf_sam_plan.txt
Zoom Scan	5x5x7,dx=8mm dy=8mm dz=5mm
Phantom	Validation plane
Device Position	Body
Band	Band5_WCDMA850
Channels	Middle (4182)
Signal	TDMA (EDGE)
Modulation	GMSK (MCS--1)

B. Permittivity

Frequency (MHz)	836.400
Relative permittivity (real part)	41.446
Relative permittivity (imaginary part)	20.321
Conductivity (S/m)	0.934

C. SAR Surface and Volume



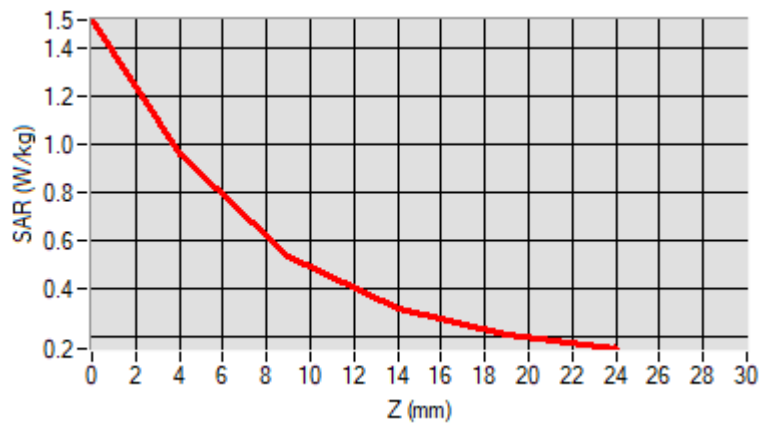
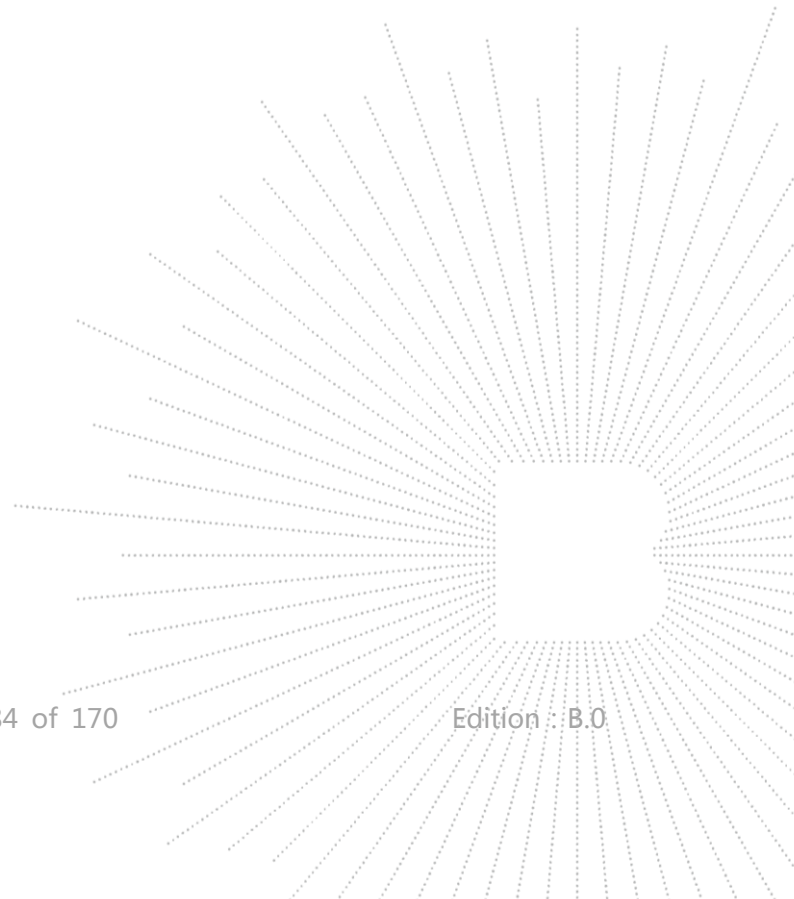
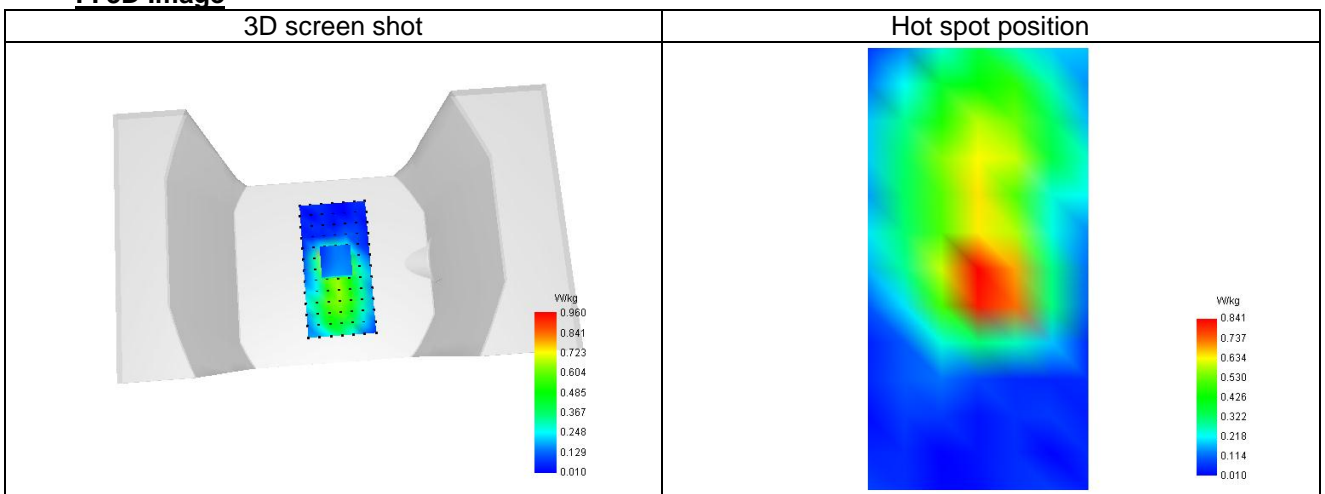
Maximum location: X=-3.00, Y=-5.00 ; SAR Peak: 1.53 W/kg

D. SAR 1g & 10g

SAR 10g (W/Kg)	0.536
SAR 1g (W/Kg)	0.934
Variation (%)	-1.670
Horizontal validation criteria: minimum distance (mm)	0.000000
Vertical validation criteria: SAR ratio M2/M1 (%)	0.000000

E. Z Axis Scan

Z (mm)	0.00	4.00	9.00	14.00	19.00
SAR (W/Kg)	1.516	0.960	0.538	0.318	0.212


F. 3D Image


Plot 5

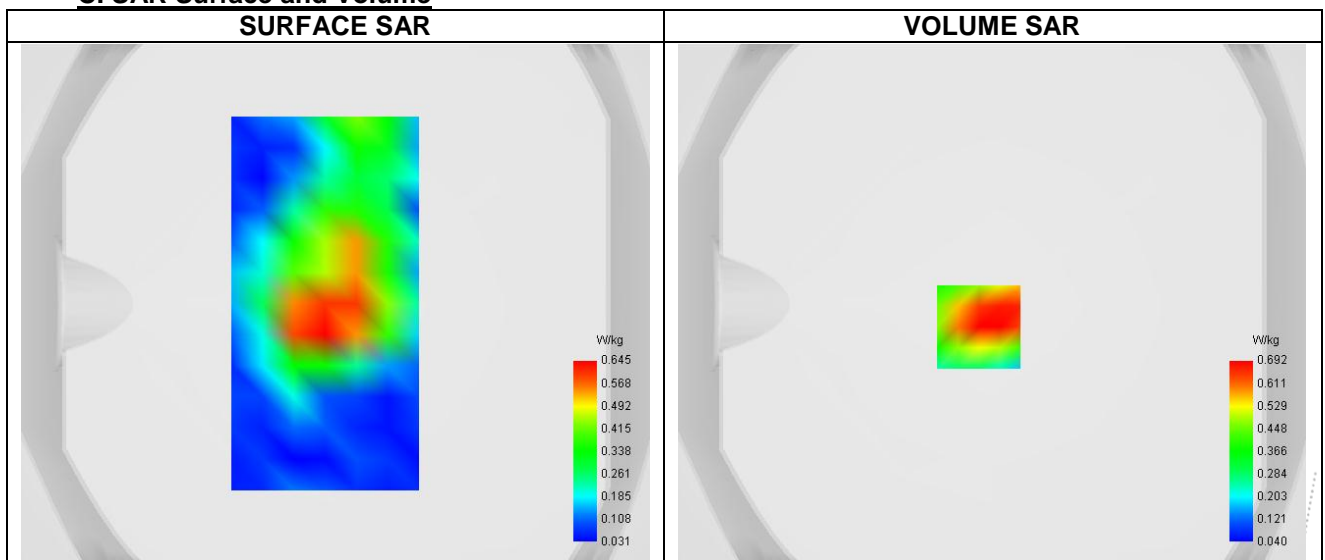
A. Experimental conditions.

Probe	SN 26/23 EPGO420
ConvF	1.04
Area Scan	surf_sam_plan.txt
Zoom Scan	5x5x7,dx=8mm dy=8mm dz=5mm
Phantom	Validation plane
Device Position	Body
Band	LTE band 2
Channels	Middle (18900)
Signal	NR FDD

B. Permittivity

Frequency (MHz)	1880.000
Relative permittivity (real part)	39.068
Relative permittivity (imaginary part)	13.408
Conductivity (S/m)	1.424

C. SAR Surface and Volume



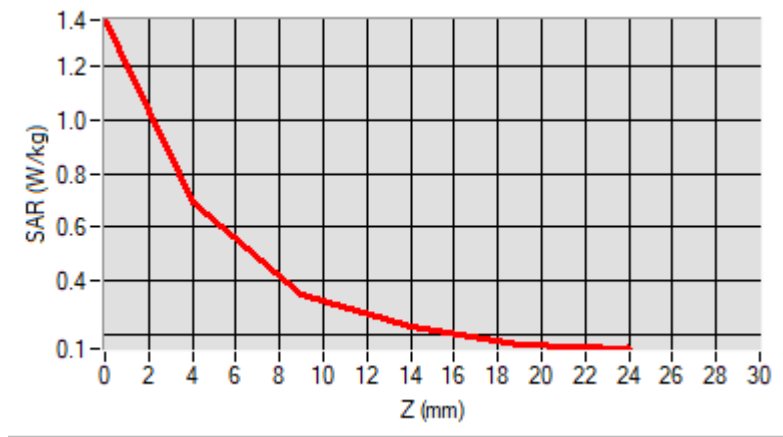
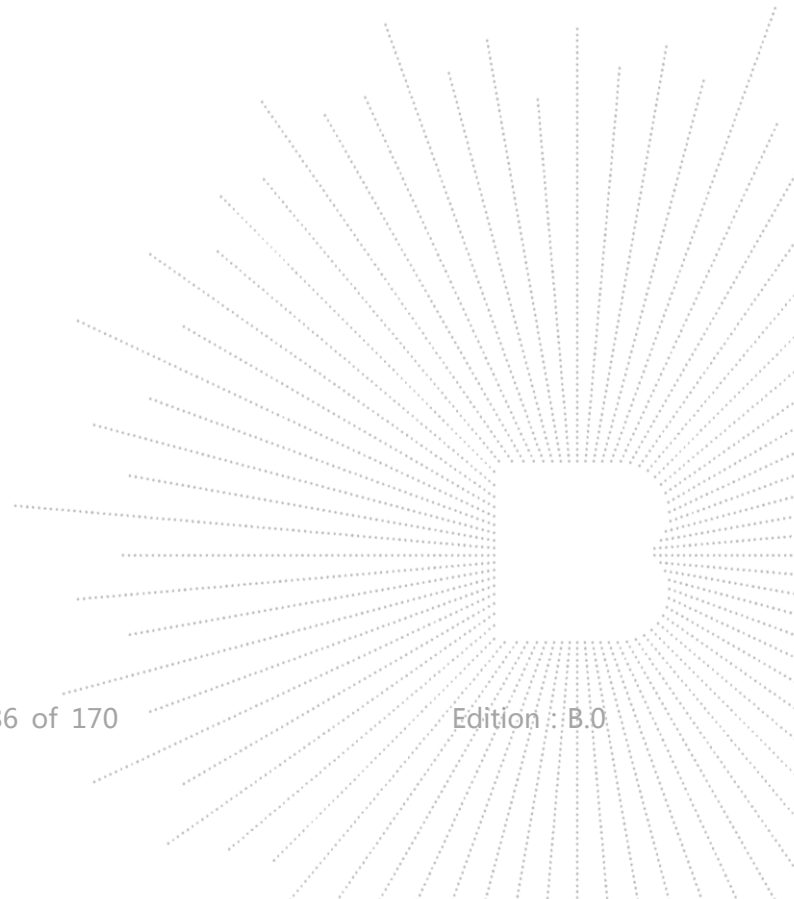
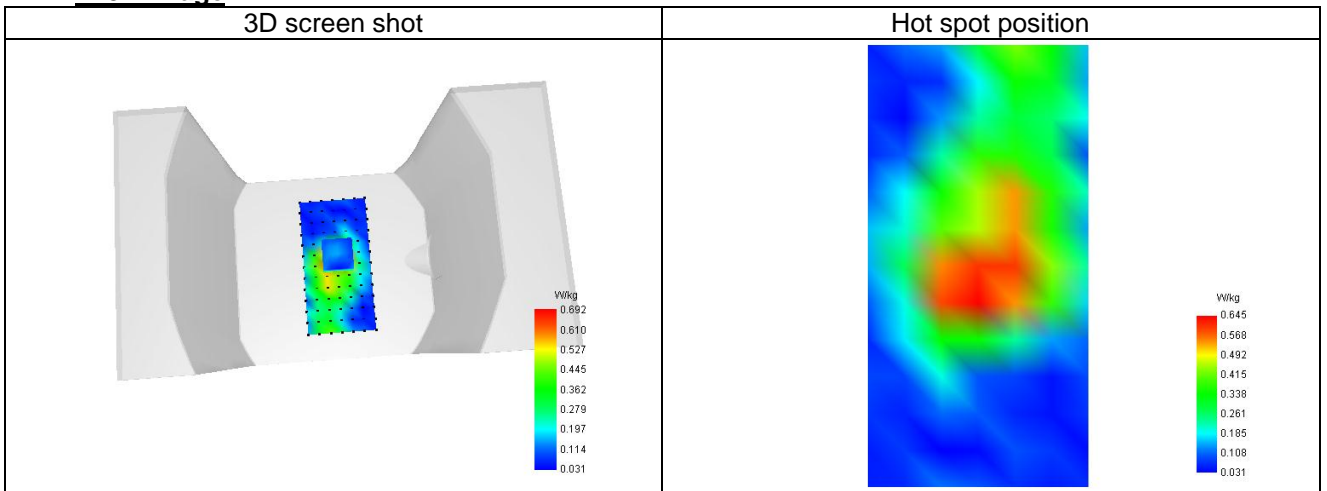
Maximum location: X=-5.00, Y=-9.00 ; SAR Peak: 1.17 W/kg

D. SAR 1g & 10g

SAR 10g (W/Kg)	0.392
SAR 1g (W/Kg)	0.677
Variation (%)	3.320
Horizontal validation criteria: minimum distance (mm)	0.000000
Vertical validation criteria: SAR ratio M2/M1 (%)	0.000000

E. Z Axis Scan

Z (mm)	0.00	4.00	9.00	14.00	19.00
SAR (W/Kg)	1.373	0.692	0.349	0.230	0.158


F. 3D Image


Plot 6

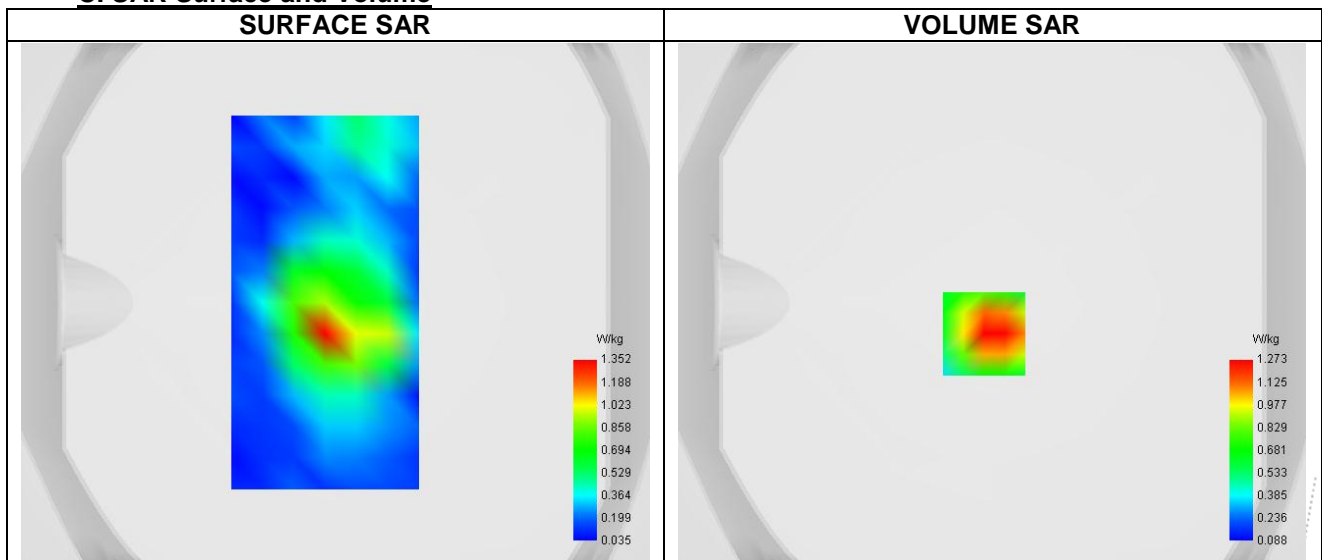
A. Experimental conditions.

Probe	SN 26/23 EPG0420
ConvF	0.96
Area Scan	surf_sam_plan.txt
Zoom Scan	5x5x7,dx=8mm dy=8mm dz=5mm
Phantom	Validation plane
Device Position	Body
Band	LTE band 4
Channels	Lower (20050)
Signal	NR FDD

B. Permittivity

Frequency (MHz)	1720.000
Relative permittivity (real part)	41.368
Relative permittivity (imaginary part)	14.169
Conductivity (S/m)	1.385

C. SAR Surface and Volume



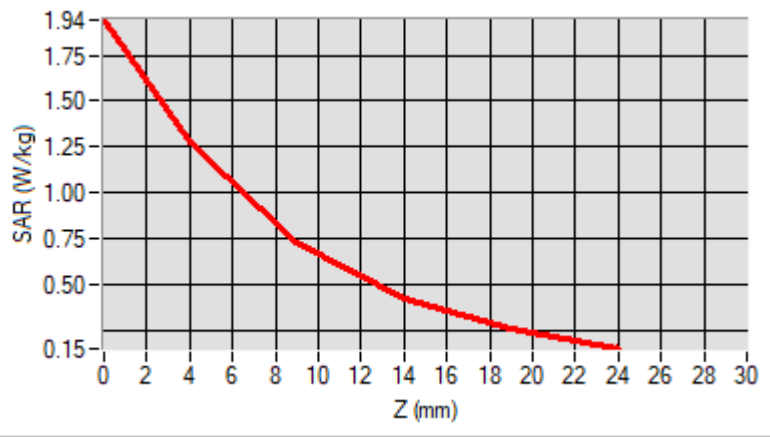
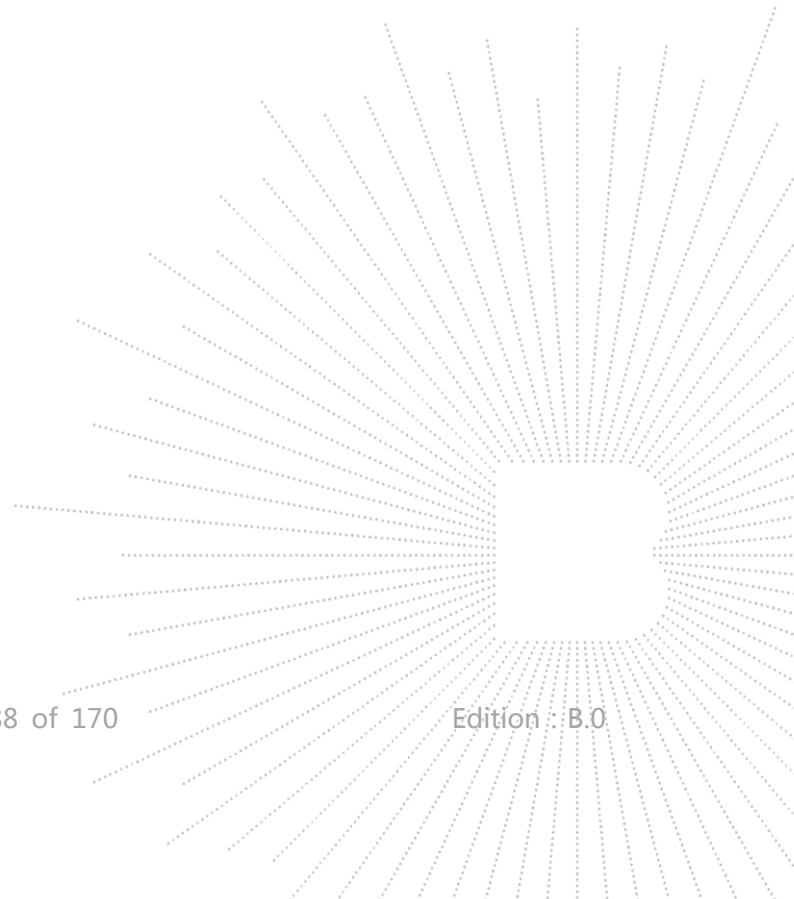
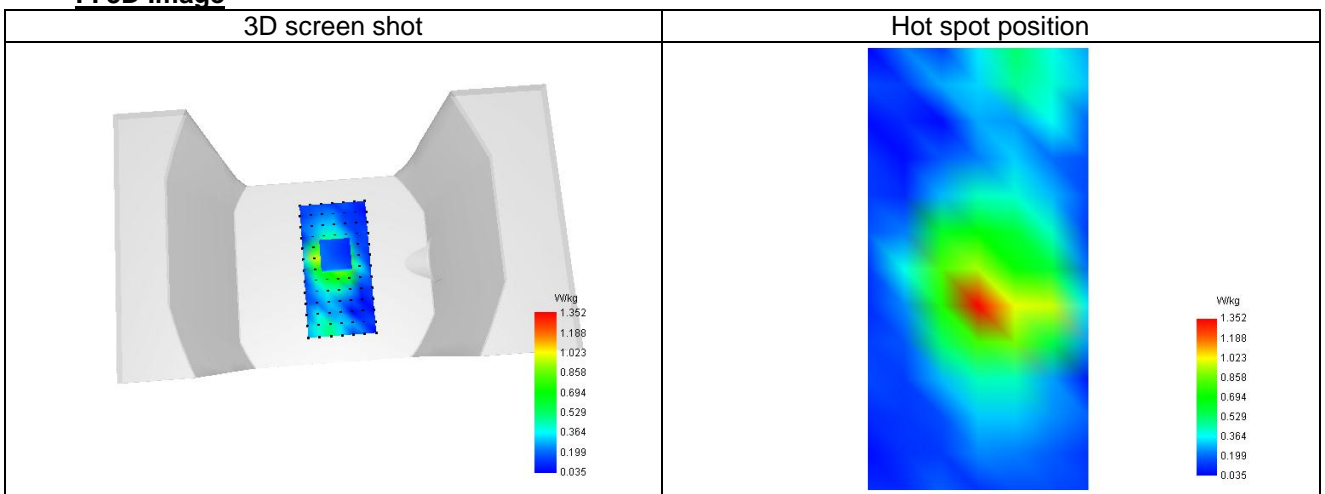
Maximum location: X=-3.00, Y=-12.00 ; SAR Peak: 2.01 W/kg

D. SAR 1g & 10g

SAR 10g (W/Kg)	0.697
SAR 1g (W/Kg)	1.220
Variation (%)	-2.630
Horizontal validation criteria: minimum distance (mm)	0.000000
Vertical validation criteria: SAR ratio M2/M1 (%)	0.000000

E. Z Axis Scan

Z (mm)	0.00	4.00	9.00	14.00	19.00
SAR (W/Kg)	1.941	1.273	0.736	0.428	0.258


F. 3D Image


Plot 7

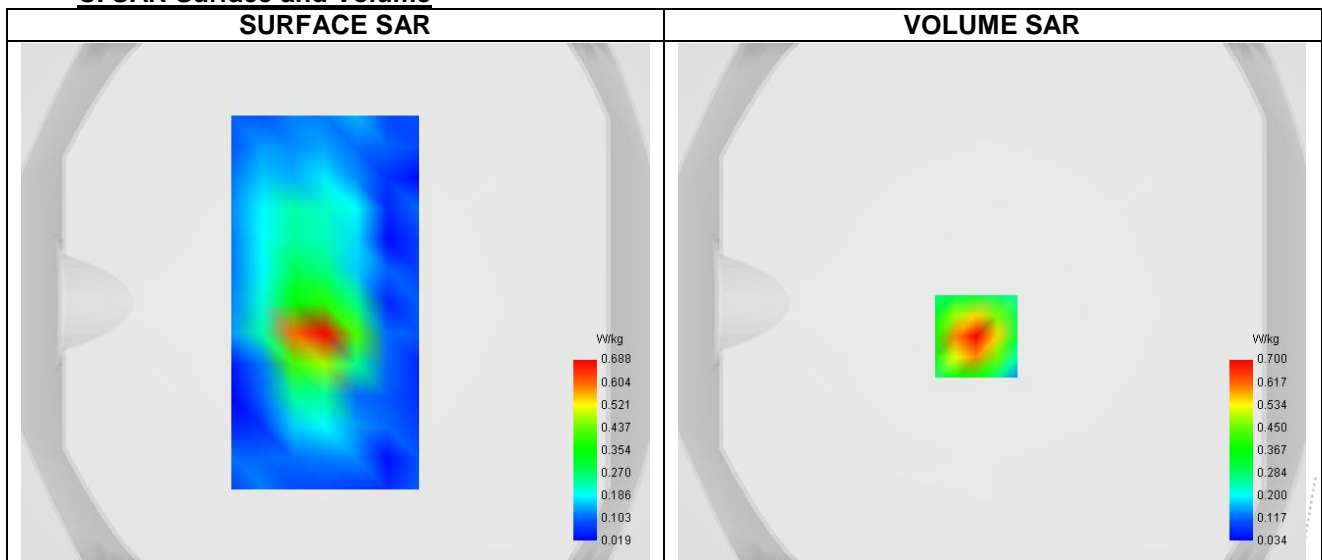
A. Experimental conditions.

Probe	SN 26/23 EPGO420
ConvF	0.81
Area Scan	surf_sam_plan.txt
Zoom Scan	5x5x7,dx=8mm dy=8mm dz=5mm
Phantom	Validation plane
Device Position	Body
Band	LTE band 5
Channels	Lower (20450)
Signal	NR FDD

B. Permittivity

Frequency (MHz)	829.000
Relative permittivity (real part)	41.446
Relative permittivity (imaginary part)	20.225
Conductivity (S/m)	0.934

C. SAR Surface and Volume



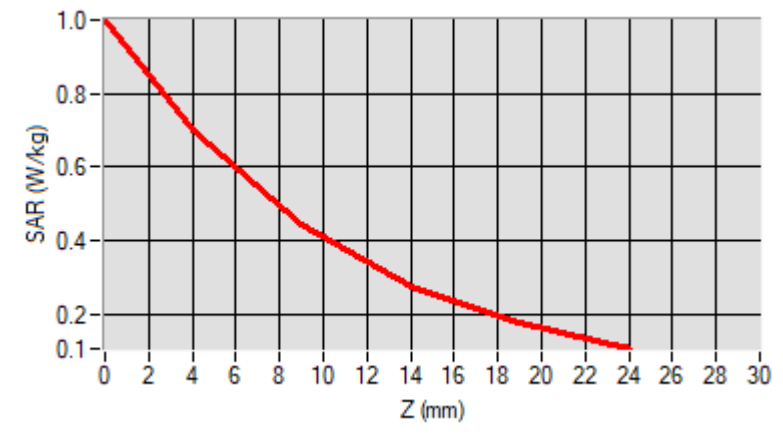
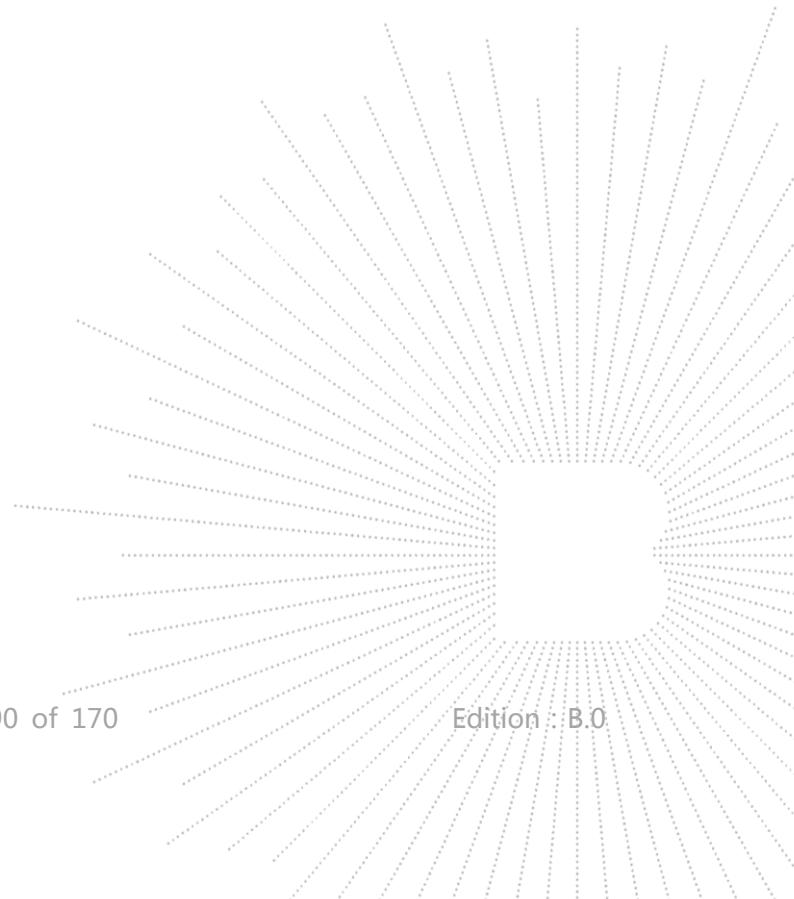
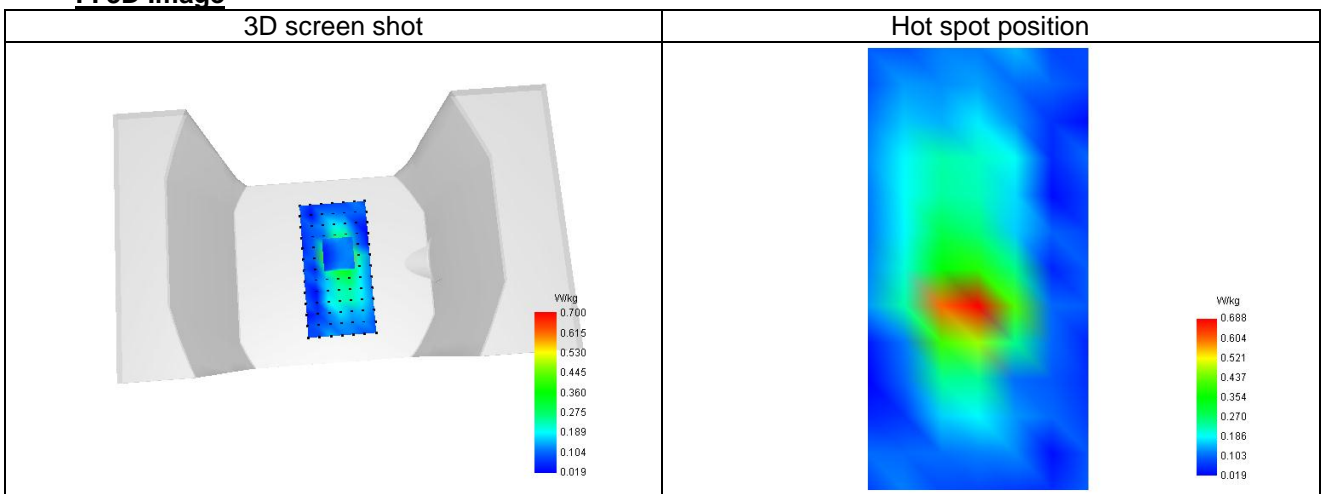
Maximum location: X=-6.00, Y=-13.00 ; SAR Peak: 1.02 W/kg

D. SAR 1g & 10g

SAR 10g (W/Kg)	0.376
SAR 1g (W/Kg)	0.667
Variation (%)	-3.070
Horizontal validation criteria: minimum distance (mm)	0.000000
Vertical validation criteria: SAR ratio M2/M1 (%)	0.000000

E. Z Axis Scan

Z (mm)	0.00	4.00	9.00	14.00	19.00
SAR (W/Kg)	0.999	0.700	0.442	0.279	0.177


F. 3D Image


Plot 8

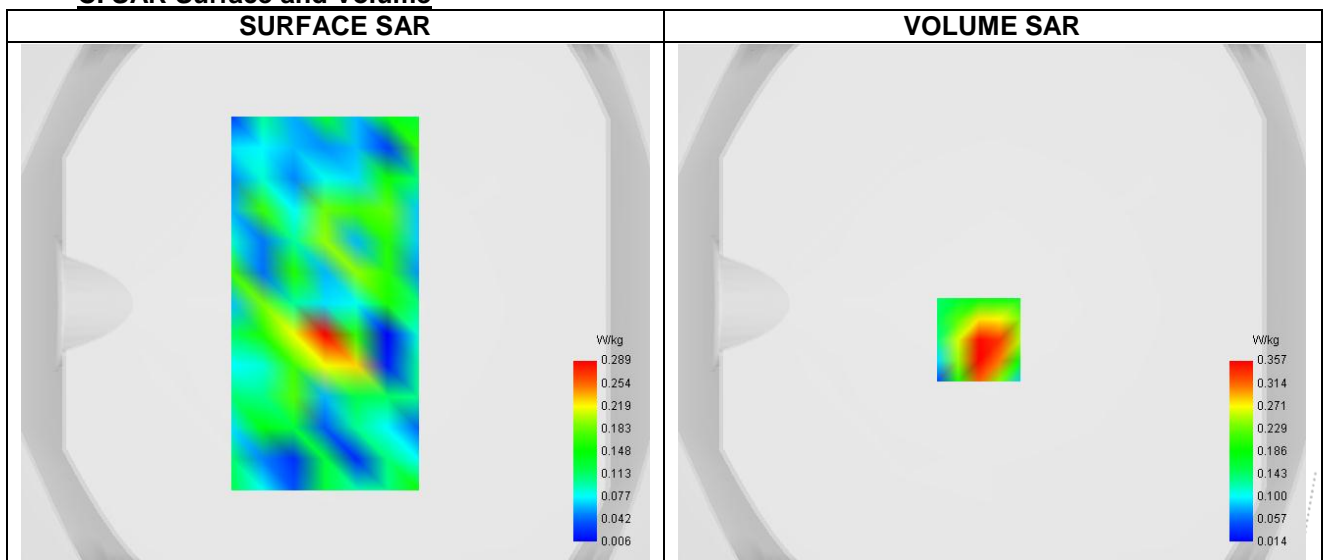
A. Experimental conditions.

Probe	SN 26/23 EPGO420
ConvF	0.80
Area Scan	surf_sam_plan.txt
Zoom Scan	5x5x7,dx=8mm dy=8mm dz=5mm
Phantom	Validation plane
Device Position	Body
Band	LTE band 12
Channels	Middle (23095)
Signal	NR FDD

B. Permittivity

Frequency (MHz)	707.500
Relative permittivity (real part)	41.036
Relative permittivity (imaginary part)	23.264
Conductivity (S/m)	0.909

C. SAR Surface and Volume

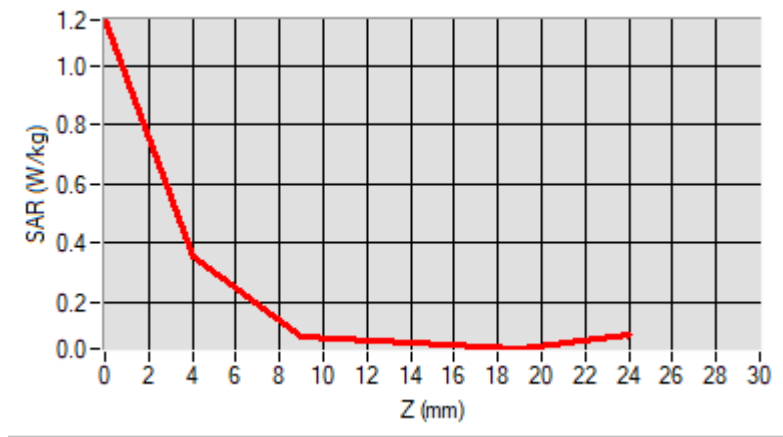
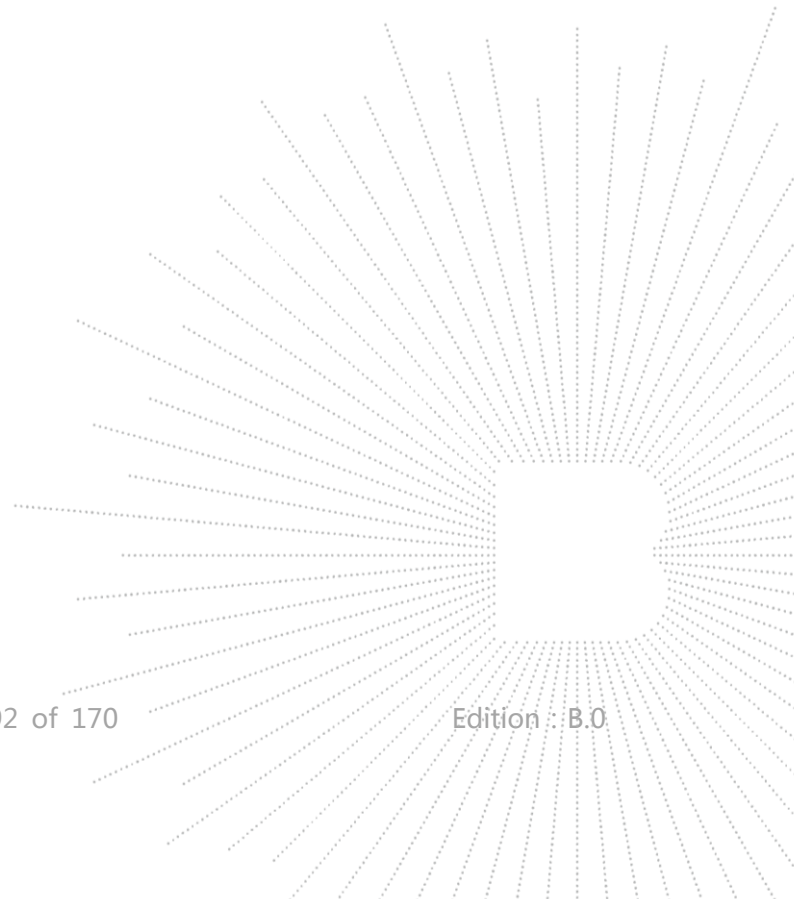
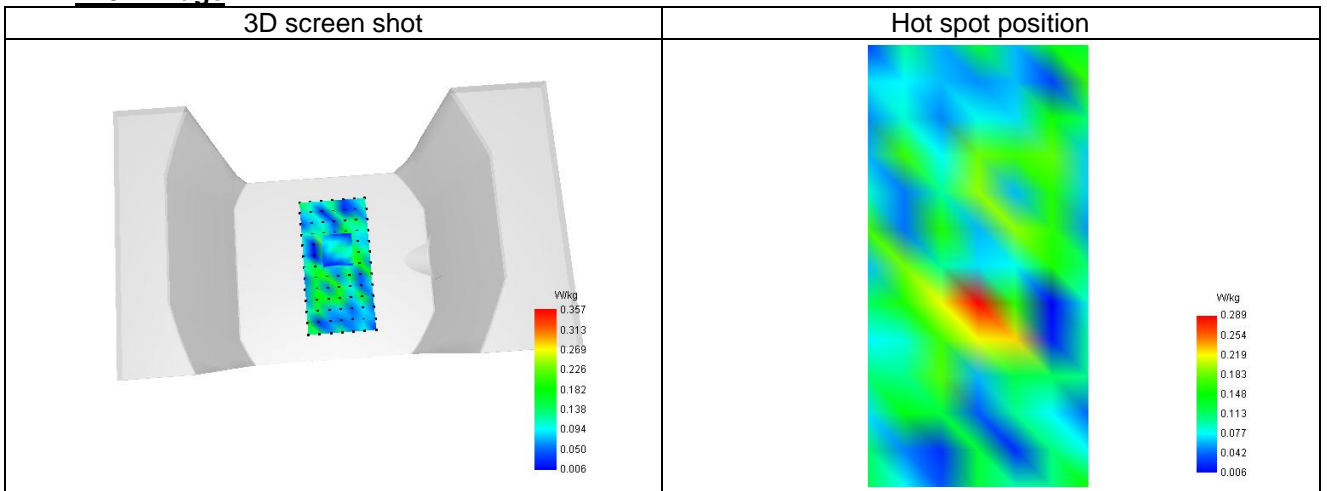


D. SAR 1g & 10g

SAR 10g (W/Kg)	0.198
SAR 1g (W/Kg)	0.394
Variation (%)	-3.060
Horizontal validation criteria: minimum distance (mm)	0.000000
Vertical validation criteria: SAR ratio M2/M1 (%)	0.000000

E. Z Axis Scan

Z (mm)	0.00	4.00	9.00	14.00	19.00
SAR (W/Kg)	1.153	0.357	0.081	0.064	0.043


F. 3D Image


Plot 9

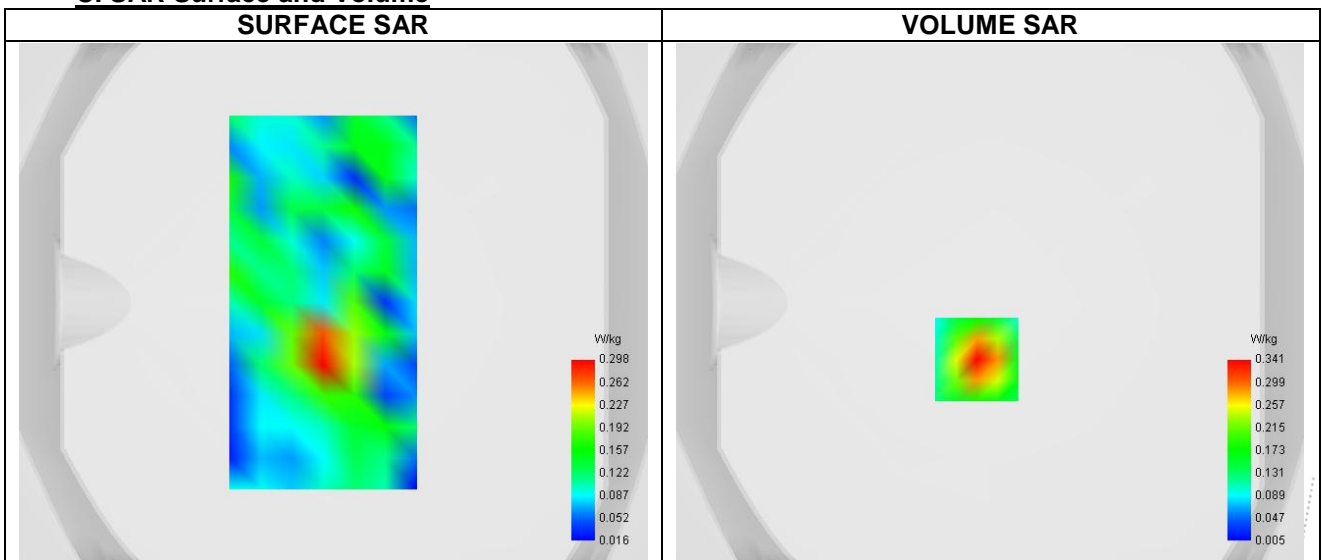
A. Experimental conditions.

Probe	SN 26/23 EPGO420
ConvF	0.80
Area Scan	surf_sam_plan.txt
Zoom Scan	5x5x7,dx=8mm dy=8mm dz=5mm
Phantom	Validation plane
Device Position	Body
Band	LTE band 17
Channels	Higher (23800)
Signal	NR FDD

B. Permittivity

Frequency (MHz)	711.000
Relative permittivity (real part)	41.036
Relative permittivity (imaginary part)	23.152
Conductivity (S/m)	0.909

C. SAR Surface and Volume



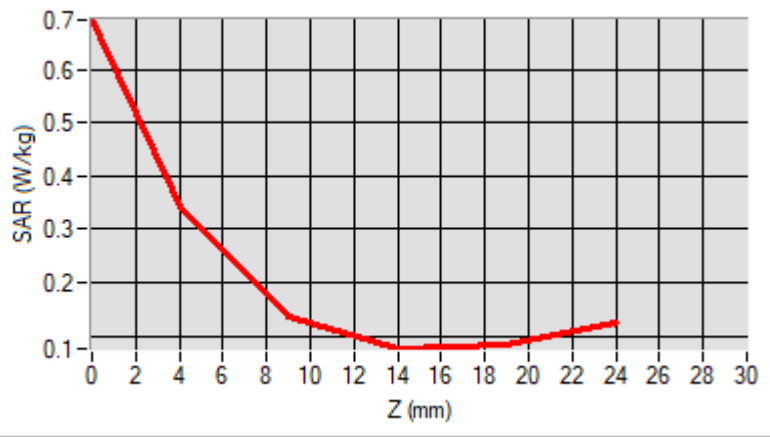
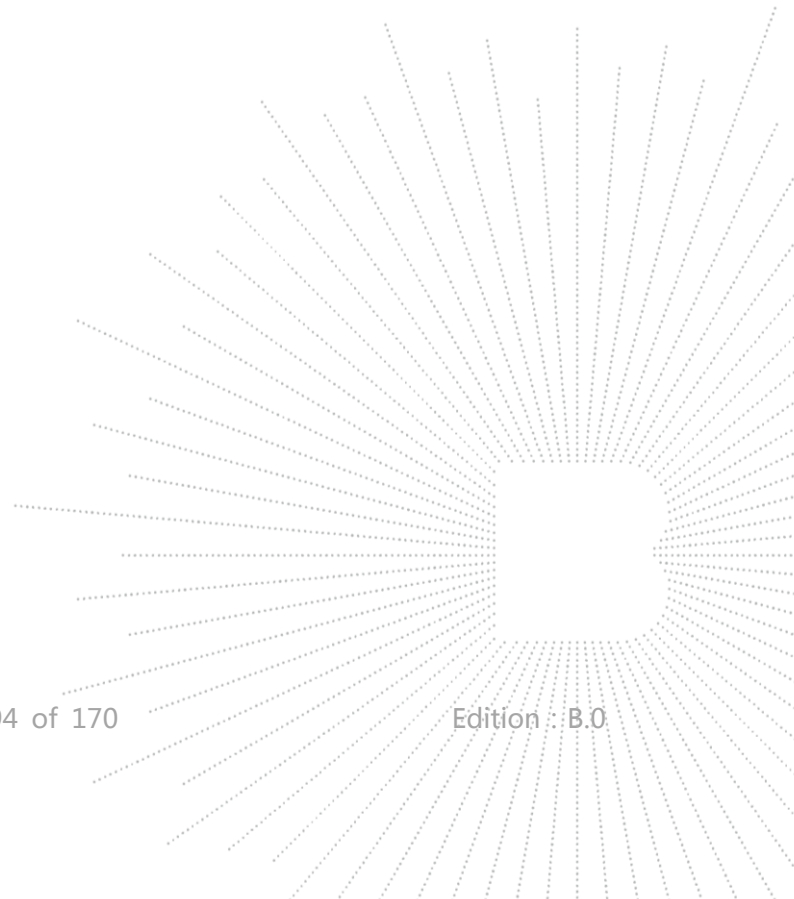
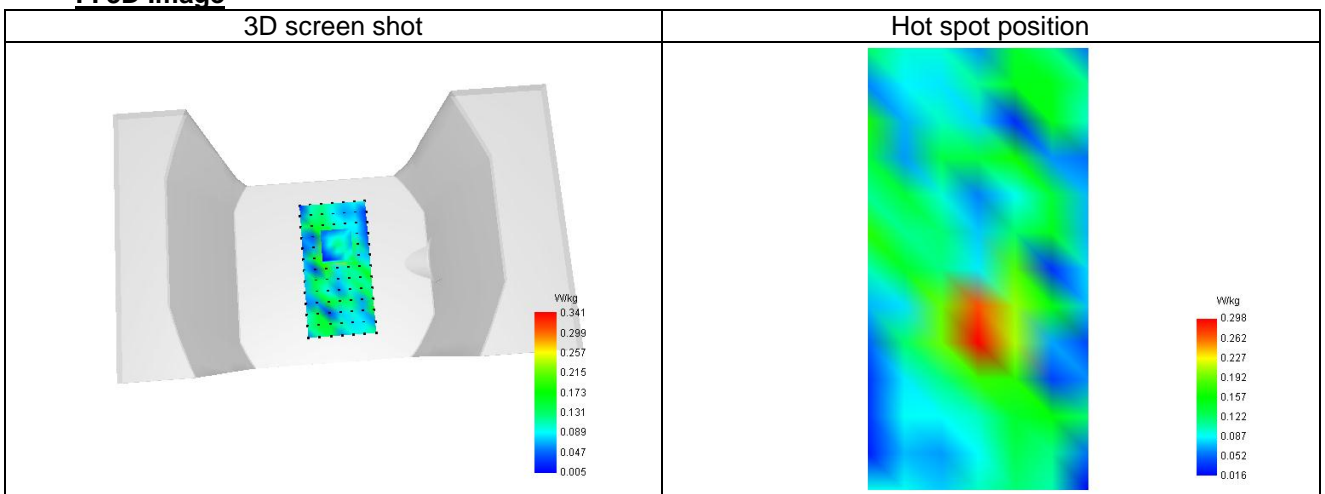
Maximum location: X=-5.00, Y=-22.00 ; SAR Peak: 0.70 W/kg

D. SAR 1g & 10g

SAR 10g (W/Kg)	0.178
SAR 1g (W/Kg)	0.332
Variation (%)	-2.390
Horizontal validation criteria: minimum distance (mm)	0.000000
Vertical validation criteria: SAR ratio M2/M1 (%)	0.000000

E. Z Axis Scan

Z (mm)	0.00	4.00	9.00	14.00	19.00
SAR (W/Kg)	0.694	0.341	0.136	0.076	0.082


F. 3D Image


Plot 10

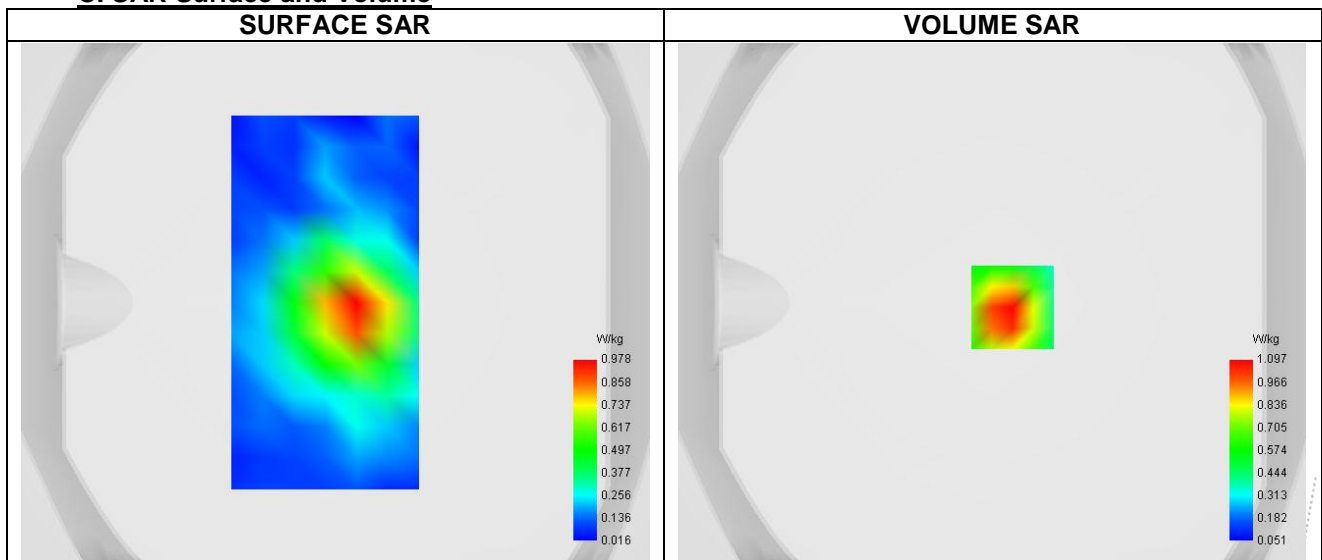
A. Experimental conditions.

Probe	SN 26/23 EPGO420
ConvF	0.96
Area Scan	surf_sam_plan.txt
Zoom Scan	5x5x7,dx=8mm dy=8mm dz=5mm
Phantom	Validation plane
Device Position	Body
Band	LTE_Band_66
Channels	Middle (1)
Signal	NR TDD

B. Permittivity

Frequency (MHz)	1745.000
Relative permittivity (real part)	41.368
Relative permittivity (imaginary part)	14.103
Conductivity (S/m)	1.385

C. SAR Surface and Volume



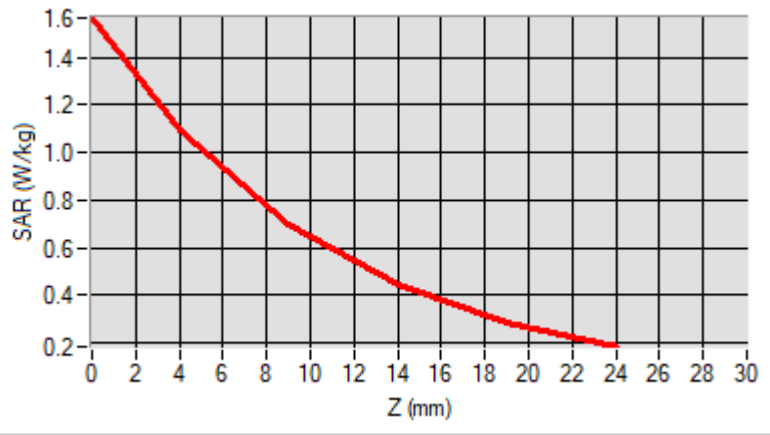
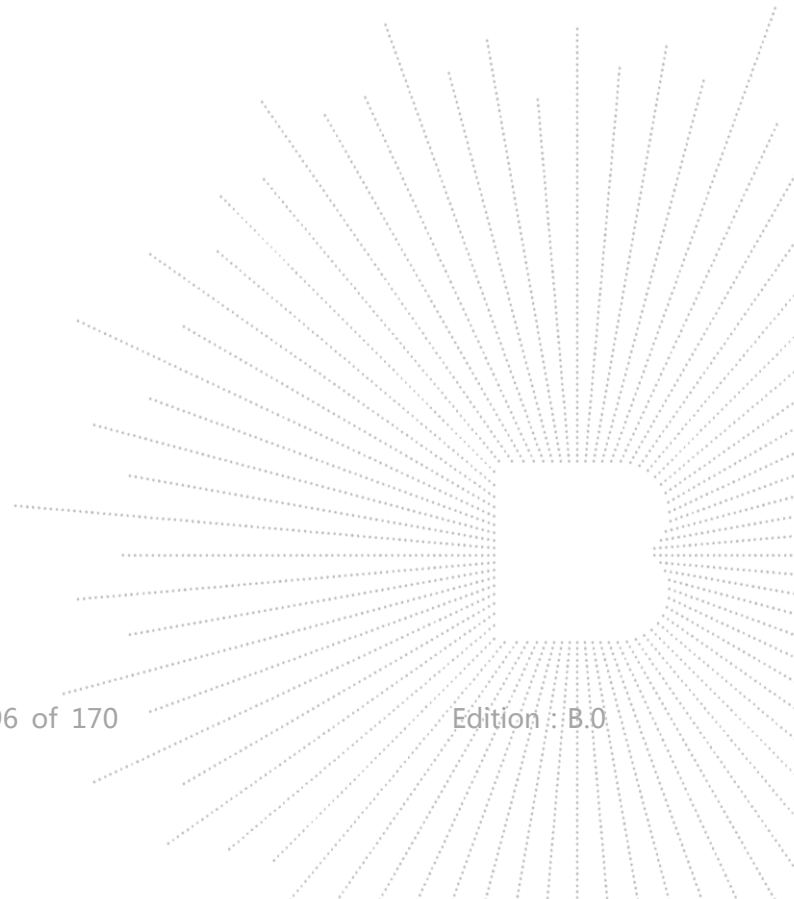
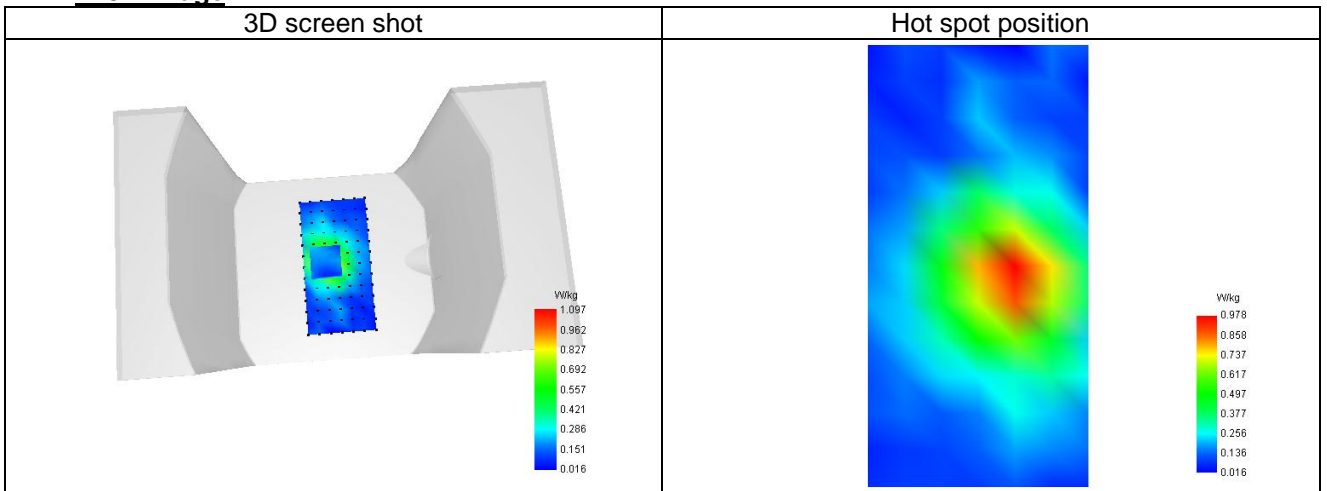
Maximum location: X=8.00, Y=-2.00 ; SAR Peak: 1.68 W/kg

D. SAR 1g & 10g

SAR 10g (W/Kg)	0.619
SAR 1g (W/Kg)	1.051
Variation (%)	4.200
Horizontal validation criteria: minimum distance (mm)	0.000000
Vertical validation criteria: SAR ratio M2/M1 (%)	0.000000

E. Z Axis Scan

Z (mm)	0.00	4.00	9.00	14.00	19.00
SAR (W/Kg)	1.567	1.097	0.695	0.443	0.289


F. 3D Image


Plot 11

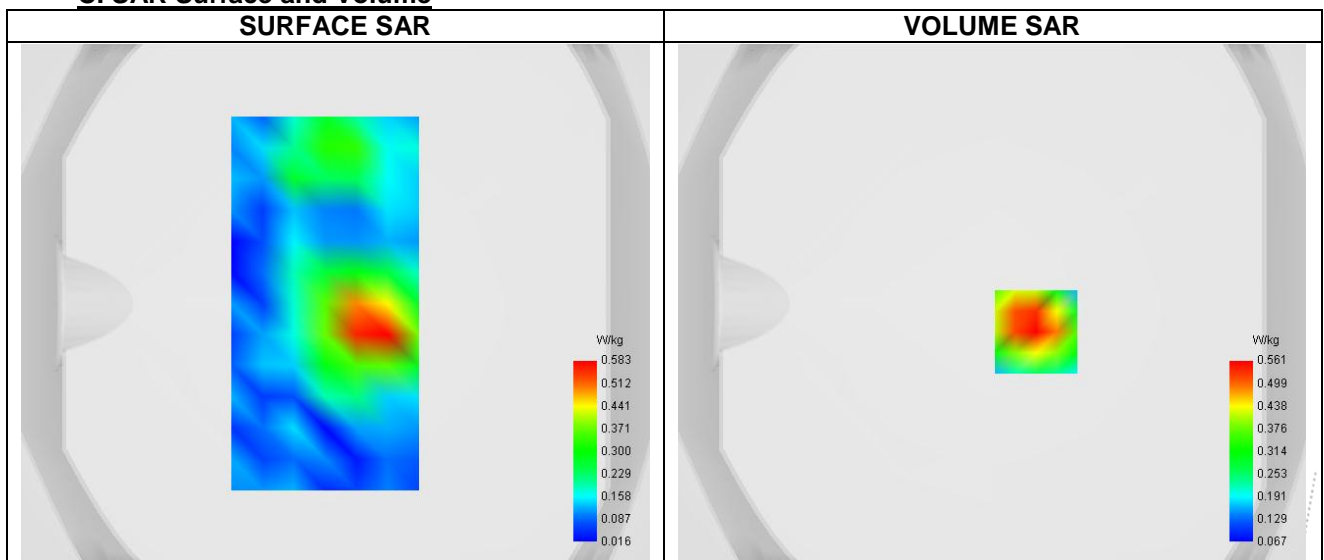
A. Experimental conditions.

Probe	SN 26/23 EPGO420
ConvF	0.78
Area Scan	surf_sam_plan.txt
Zoom Scan	5x5x7,dx=8mm dy=8mm dz=5mm
Phantom	Validation plane
Device Position	Body
Band	LTE_Band_71
Channels	Middle (133322)
Signal	NR FDD

B. Permittivity

Frequency (MHz)	683.000
Relative permittivity (real part)	41.036
Relative permittivity (imaginary part)	14.103
Conductivity (S/m)	0.909

C. SAR Surface and Volume



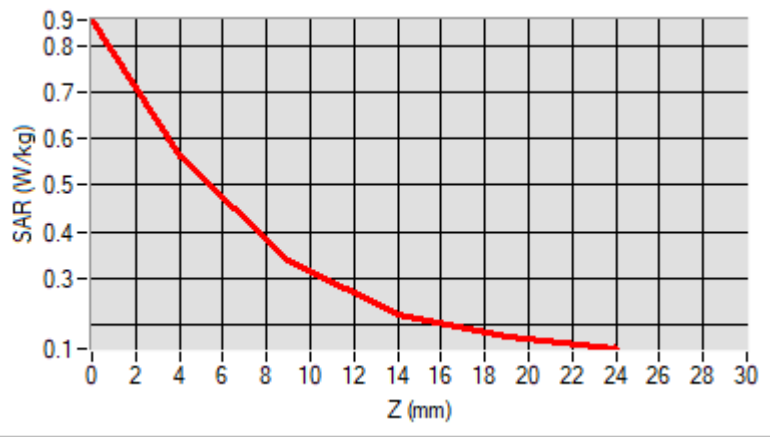
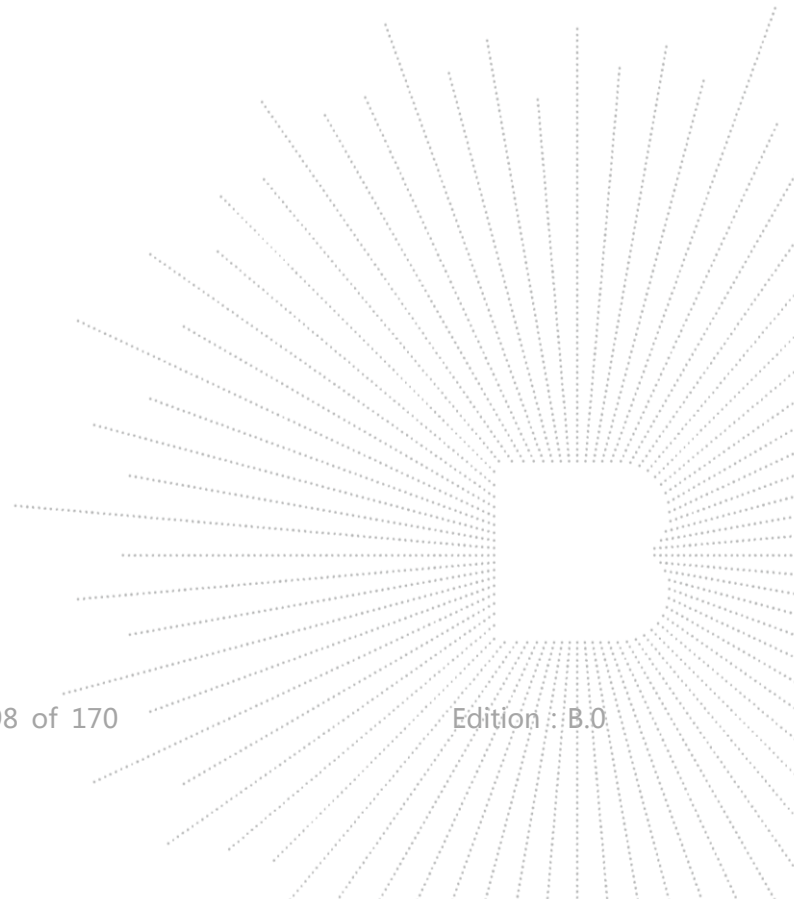
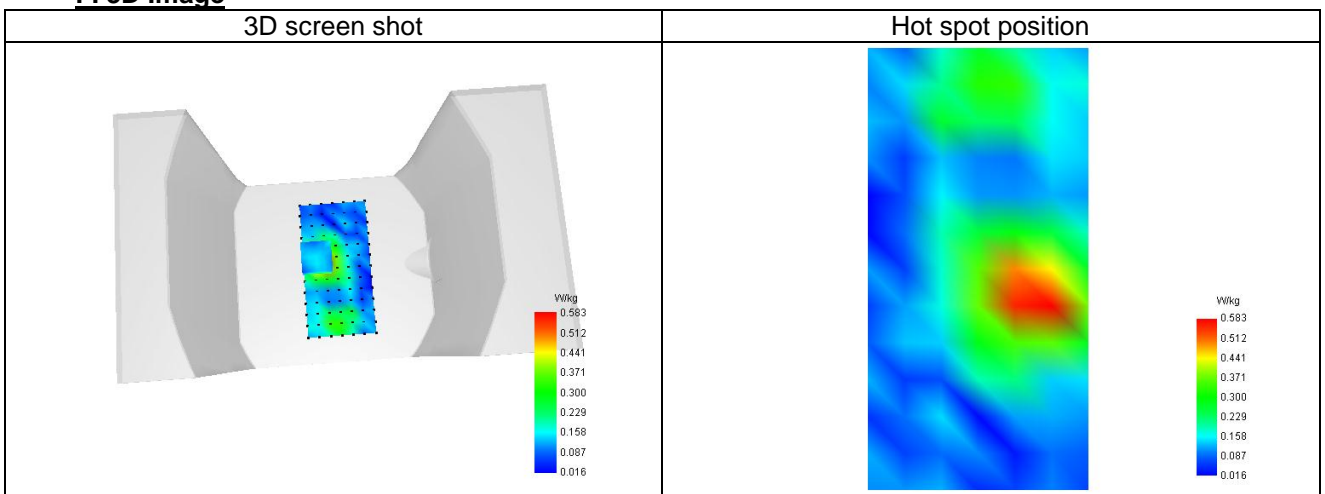
Maximum location: X=17.00, Y=-11.00 ; SAR Peak: 0.88 W/kg

D. SAR 1g & 10g

SAR 10g (W/Kg)	0.326
SAR 1g (W/Kg)	0.438
Variation (%)	-1.400
Horizontal validation criteria: minimum distance (mm)	0.000000
Vertical validation criteria: SAR ratio M2/M1 (%)	0.000000

E. Z Axis Scan

Z (mm)	0.00	4.00	9.00	14.00	19.00
SAR (W/Kg)	0.855	0.561	0.338	0.224	0.174


F. 3D Image


16. CALIBRATION CERTIFICATES

Probe-EPGO420 Calibration Certificate
SID750Dipole Calibration Certificate
SID835Dipole Calibration Certificate
SID1800Dipole Calibration Certificate
SID1900Dipole Calibration Certificate

