



LTE Band 38 Maximum Average Power [dBm]						
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest
5	1	0	QPSK	17.86	17.97	17.92
5	1	12		18.17	18.27	18.20
5	1	24		17.88	17.95	17.92
5	12	0		17.94	18.05	18.07
5	12	6		18.02	18.11	18.12
5	12	11		18.00	18.05	18.03
5	25	0		17.98	18.01	18.05
5	1	0	16-QAM	17.80	17.90	17.98
5	1	12		18.14	18.24	18.27
5	1	24		17.86	17.99	17.88
5	12	0		17.83	17.96	18.03
5	12	6		18.03	18.04	18.08
5	12	11		18.00	18.07	17.94
5	25	0		17.89	17.96	18.00
10	1	0	QPSK	18.49	18.21	18.07
10	1	24		18.66	18.42	18.18
10	1	49		18.51	18.23	18.00
10	25	0		17.98	18.21	18.20
10	25	12		18.05	18.13	18.09
10	25	24		18.11	18.16	18.07
10	50	0		18.00	18.13	18.07
10	1	0	16-QAM	17.95	18.05	18.09
10	1	24		18.13	18.24	18.21
10	1	49		17.98	18.07	17.99
10	25	0		17.96	18.09	18.16
10	25	12		18.01	18.08	18.07
10	25	24		18.03	18.08	18.03
10	50	0		17.98	18.05	18.04



LTE Band 38 Maximum Average Power [dBm]						
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest
15	1	0	QPSK	18.43	18.13	18.29
15	1	37		18.72	18.47	18.54
15	1	74		18.40	18.16	18.19
15	36	0		17.94	18.12	18.08
15	36	18		18.02	18.16	18.11
15	36	39		18.02	18.12	17.99
15	75	0		17.95	18.03	18.08
15	1	0	16-QAM	17.89	17.96	18.01
15	1	38		18.17	18.31	18.34
15	1	75		17.87	18.01	18.00
15	36	0		17.95	18.05	18.15
15	36	18		17.99	18.11	18.12
15	36	39		18.01	18.08	18.03
15	75	0		17.94	18.03	18.04
20	1	0	QPSK	18.57	18.29	18.34
20	1	49		18.84	18.60	18.61
20	1	99		18.59	18.35	18.34
20	50	0		17.95	18.00	18.10
20	50	24		18.02	18.08	18.19
20	50	49		17.99	18.02	18.04
20	100	0		17.93	18.11	18.03
20	1	0	16-QAM	18.21	18.15	18.19
20	1	49		18.48	18.53	18.48
20	1	99		18.19	18.21	18.12
20	50	0		17.96	17.99	18.15
20	50	24		18.05	18.08	18.16
20	50	49		18.09	18.04	18.02
20	100	0		17.93	18.02	18.01



LTE Band 41 Maximum Average Power [dBm]								
BW [MHz]	RB Size	RB Offset	Mod	Lowest1	Lowest2	Middle	Highest 1	Highest 2
5	1	0	QPSK	17.34	16.99	17.24	16.90	17.30
5	1	12		17.60	17.27	17.49	17.15	17.51
5	1	24		17.32	16.98	17.26	16.92	17.20
5	12	0		16.71	16.38	16.92	16.60	17.04
5	12	6		16.81	16.49	16.97	16.63	17.04
5	12	11		16.77	16.44	16.95	16.62	16.93
5	25	0		16.73	16.41	17.03	16.69	16.96
5	1	0	16-QAM	16.67	16.34	16.90	16.58	16.86
5	1	12		16.93	16.60	17.19	16.85	17.10
5	1	24		16.67	16.36	16.94	16.61	16.81
5	12	0		16.71	16.39	16.95	16.62	16.97
5	12	6		16.77	16.44	16.99	16.66	17.01
5	12	11		16.75	16.43	16.97	16.64	16.89
5	25	0		16.76	16.43	17.01	16.68	16.96
10	1	0	QPSK	17.27	16.93	17.16	16.83	17.03
10	1	24		17.40	17.06	17.32	16.98	17.18
10	1	49		17.26	16.93	17.19	16.85	16.92
10	25	0		16.82	16.50	17.04	16.71	17.16
10	25	12		16.80	16.48	17.03	16.69	17.09
10	25	24		16.80	16.48	17.06	16.74	17.02
10	50	0		16.76	16.44	17.11	16.78	17.07
10	1	0	16-QAM	16.74	16.41	16.99	16.66	17.05
10	1	24		16.88	16.56	17.18	16.85	17.19
10	1	49		16.75	16.42	17.01	16.69	16.94
10	25	0		16.74	16.41	17.02	16.68	17.13
10	25	12		16.73	16.41	17.00	16.66	17.07
10	25	24		16.76	16.44	16.98	16.65	16.95
10	50	0		16.75	16.42	17.05	16.73	17.06



LTE Band 41 Maximum Average Power [dBm]								
BW [MHz]	RB Size	RB Offset	Mod	Lowest1	Lowest2	Middle	Highest 1	Highest 2
15	1	0	QPSK	16.68	16.36	16.93	16.60	17.09
15	1	37		16.95	16.63	17.28	16.94	17.37
15	1	74		16.74	16.42	16.93	16.60	16.95
15	36	0		16.71	16.38	17.00	16.68	17.13
15	36	18		16.78	16.46	17.08	16.76	17.19
15	36	39		16.74	16.41	17.03	16.69	17.05
15	75	0		16.76	16.44	17.04	16.71	17.15
15	1	0	16-QAM	16.63	16.31	16.88	16.56	17.00
15	1	38		16.92	16.59	17.23	16.90	17.34
15	1	75		16.77	16.44	16.93	16.59	16.92
15	36	0		16.67	16.34	16.94	16.60	17.13
15	36	18		16.76	16.43	17.00	16.68	17.17
15	36	39		16.67	16.34	17.01	16.69	17.04
15	75	0		16.70	16.37	17.01	16.68	17.14
20	1	0	QPSK	17.22	16.88	17.09	16.76	17.35
20	1	49		17.50	17.15	17.45	17.12	17.61
20	1	99		17.26	16.93	17.12	16.79	17.15
20	50	0		16.75	16.42	17.07	16.73	17.10
20	50	24		16.78	16.46	17.12	16.79	17.13
20	50	49		16.78	16.46	17.10	16.76	17.03
20	100	0		16.77	16.44	17.05	16.71	17.15
20	1	0	16-QAM	16.93	16.61	17.11	16.78	17.26
20	1	49		17.27	16.94	17.49	17.14	17.57
20	1	99		17.11	16.77	17.19	16.87	17.15
20	50	0		16.76	16.44	16.98	16.64	17.19
20	50	24		16.82	16.49	17.01	16.67	17.22
20	50	49		16.75	16.42	16.94	16.61	17.08
20	100	0		16.70	16.38	17.05	16.72	17.16



LTE Band 66 Maximum Average Power [dBm]						
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest
1.4	1	0	QPSK	15.11	14.77	15.13
1.4	1	2		15.20	14.93	15.27
1.4	1	5		15.06	14.80	15.12
1.4	3	0		15.16	15.12	15.20
1.4	3	1		15.20	15.10	15.22
1.4	3	2		15.19	15.09	15.20
1.4	6	0		15.03	15.14	15.10
1.4	1	0	16-QAM	14.90	14.89	14.93
1.4	1	2		14.98	15.00	15.08
1.4	1	5		14.79	14.83	14.94
1.4	3	0		14.93	14.97	14.91
1.4	3	1		14.92	14.93	14.85
1.4	3	2		14.93	15.00	14.98
1.4	6	0		14.80	14.88	14.88
3	1	0	QPSK	15.30	15.13	14.84
3	1	7		15.66	15.39	15.18
3	1	14		15.26	15.11	14.83
3	8	0		14.88	14.93	14.86
3	8	4		14.91	14.93	14.92
3	8	7		14.87	14.90	14.89
3	15	0		14.88	14.85	14.96
3	1	0	16-QAM	14.86	14.87	14.86
3	1	7		15.16	15.20	15.28
3	1	14		14.79	14.91	14.97
3	8	0		14.80	14.83	14.82
3	8	4		14.86	14.89	14.89
3	8	7		14.81	14.89	14.84
3	15	0		14.85	14.87	14.89



LTE Band 66 Maximum Average Power [dBm]						
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest
5	1	0	QPSK	14.72	14.76	14.63
5	1	12		15.08	15.31	15.26
5	1	24		14.69	14.76	14.73
5	12	0		14.88	14.84	14.85
5	12	6		14.91	14.95	14.91
5	12	11		14.81	14.86	14.87
5	25	0		14.86	14.91	14.86
5	1	0	16-QAM	14.80	14.68	14.53
5	1	12		14.98	15.02	14.78
5	1	24		14.67	14.78	14.78
5	12	0		14.83	14.91	14.85
5	12	6		14.77	14.93	14.77
5	12	11		14.78	14.77	14.67
5	25	0		14.82	14.84	14.77
10	1	0	QPSK	15.30	15.10	14.63
10	1	24		15.35	15.22	14.88
10	1	49		15.26	15.10	14.87
10	25	0		14.98	15.01	14.94
10	25	12		14.92	14.97	14.83
10	25	24		14.93	14.94	14.93
10	50	0		14.96	15.00	14.93
10	1	0	16-QAM	14.84	14.88	14.70
10	1	24		14.92	15.03	14.98
10	1	49		14.71	14.87	14.94
10	25	0		14.89	14.95	14.87
10	25	12		14.82	14.95	14.81
10	25	24		14.82	14.91	14.89
10	50	0		14.89	14.94	14.86



LTE Band 66 Maximum Average Power [dBm]						
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest
15	1	0	QPSK	14.92	15.28	14.86
15	1	37		15.32	15.63	15.31
15	1	74		14.83	15.24	15.13
15	36	0		14.82	14.93	14.85
15	36	18		14.80	14.96	14.88
15	36	39		14.82	14.89	14.93
15	75	0		14.84	14.92	14.82
15	1	0	16-QAM	14.85	14.75	14.68
15	1	38		15.00	15.11	15.06
15	1	75		14.63	14.80	14.87
15	36	0		14.84	14.89	14.81
15	36	18		14.80	14.90	14.75
15	36	39		14.79	14.86	14.82
15	75	0		14.78	14.89	14.75
20	1	0	QPSK	15.40	15.18	15.10
20	1	49		15.82	15.58	15.56
20	1	99		15.32	15.16	15.23
20	50	0		14.97	14.83	14.92
20	50	24		14.95	14.93	14.99
20	50	49		14.85	14.81	14.94
20	100	0		14.88	14.95	14.89
20	1	0	16-QAM	15.10	14.99	14.96
20	1	49		15.24	15.33	15.24
20	1	99		14.95	15.07	15.19
20	50	0		14.81	14.96	14.94
20	50	24		14.80	15.02	14.87
20	50	49		14.80	14.85	14.77
20	100	0		14.89	14.89	14.84



Configuration 2:

LTE Band 2 Maximum Average Power [dBm]						
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest
1.4	1	0	QPSK	20.70	20.83	20.55
1.4	1	2		20.81	21.01	20.71
1.4	1	5		20.71	20.91	20.60
1.4	3	0		20.79	21.01	20.87
1.4	3	1		20.79	21.03	20.92
1.4	3	2		20.79	21.01	20.91
1.4	6	0		20.73	20.87	20.85
1.4	1	0	16-QAM	20.59	20.58	20.63
1.4	1	2		20.73	20.80	20.77
1.4	1	5		20.59	20.57	20.66
1.4	3	0		20.58	20.75	20.75
1.4	3	1		20.59	20.76	20.72
1.4	3	2		20.61	20.68	20.73
1.4	6	0		20.54	20.65	20.66
3	1	0	QPSK	20.98	20.93	20.60
3	1	7		21.26	21.22	20.90
3	1	14		21.01	20.86	20.59
3	8	0		20.57	20.74	20.68
3	8	4		20.63	20.74	20.73
3	8	7		20.62	20.70	20.72
3	15	0		20.59	20.66	20.75
3	1	0	16-QAM	20.59	20.70	20.71
3	1	7		20.67	21.00	21.01
3	1	14		20.52	20.70	20.77
3	8	0		20.56	20.71	20.65
3	8	4		20.59	20.69	20.70
3	8	7		20.56	20.71	20.64
3	15	0		20.52	20.67	20.66



LTE Band 2 Maximum Average Power [dBm]						
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest
5	1	0	QPSK	20.46	20.55	20.51
5	1	12		21.14	21.04	20.94
5	1	24		20.50	20.63	20.58
5	12	0		20.59	20.68	20.70
5	12	6		20.61	20.76	20.78
5	12	11		20.65	20.69	20.70
5	25	0		20.59	20.72	20.74
5	1	0	16-QAM	20.39	20.66	20.52
5	1	12		20.72	20.83	20.76
5	1	24		20.63	20.54	20.62
5	12	0		20.56	20.70	20.72
5	12	6		20.65	20.73	20.64
5	12	11		20.60	20.73	20.59
5	25	0		20.53	20.73	20.65
10	1	0	QPSK	20.74	20.67	21.00
10	1	24		20.97	20.80	21.21
10	1	49		20.79	20.54	21.16
10	25	0		20.63	20.81	20.82
10	25	12		20.65	20.80	20.78
10	25	24		20.70	20.80	20.83
10	50	0		20.72	20.85	20.78
10	1	0	16-QAM	20.55	20.75	20.53
10	1	24		20.69	20.87	20.76
10	1	49		20.62	20.67	20.66
10	25	0		20.62	20.76	20.77
10	25	12		20.63	20.76	20.74
10	25	24		20.71	20.80	20.79
10	50	0		20.65	20.79	20.78



LTE Band 2 Maximum Average Power [dBm]						
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest
15	1	0	QPSK	20.70	20.82	20.95
15	1	37		21.05	21.12	21.31
15	1	74		20.80	20.69	21.04
15	36	0		20.68	20.70	20.69
15	36	18		20.71	20.74	20.76
15	36	39		20.75	20.68	20.74
15	75	0		20.67	20.80	20.75
15	1	0	16-QAM	20.48	20.68	20.46
15	1	38		20.93	21.03	20.93
15	1	75		20.63	20.57	20.63
15	36	0		20.64	20.75	20.73
15	36	18		20.71	20.77	20.76
15	36	39		20.68	20.73	20.69
15	75	0		20.66	20.75	20.72
20	1	0	QPSK	21.00	21.05	20.91
20	1	49		21.40	21.50	21.38
20	1	99		21.06	20.97	20.99
20	50	0		20.58	20.63	20.77
20	50	24		20.63	20.71	20.79
20	50	49		20.62	20.68	20.75
20	100	0		20.59	20.80	20.71
20	1	0	16-QAM	20.82	20.97	20.80
20	1	49		21.09	21.12	21.05
20	1	99		20.98	20.79	20.90
20	50	0		20.63	20.76	20.80
20	50	24		20.75	20.77	20.77
20	50	49		20.66	20.77	20.66
20	100	0		20.58	20.74	20.74



LTE Band 4 Maximum Average Power [dBm]						
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest
1.4	1	0	QPSK	20.40	19.94	20.35
1.4	1	2		20.53	20.14	20.50
1.4	1	5		20.38	19.91	20.38
1.4	3	0		20.55	20.33	20.46
1.4	3	1		20.55	20.41	20.44
1.4	3	2		20.60	20.40	20.48
1.4	6	0		20.39	20.28	20.36
1.4	1	0	16-QAM	20.16	20.07	20.20
1.4	1	2		20.37	20.22	20.42
1.4	1	5		20.16	20.05	20.23
1.4	3	0		20.32	20.14	20.22
1.4	3	1		20.32	20.13	20.24
1.4	3	2		20.28	20.13	20.29
1.4	6	0		20.20	20.06	20.19
3	1	0	QPSK	20.68	20.29	20.14
3	1	7		21.02	20.75	20.46
3	1	14		20.64	20.27	20.13
3	8	0		20.25	20.10	20.23
3	8	4		20.25	20.13	20.26
3	8	7		20.23	20.12	20.24
3	15	0		20.23	20.08	20.31
3	1	0	16-QAM	20.17	20.02	20.23
3	1	7		20.50	20.42	20.56
3	1	14		20.12	20.03	20.25
3	8	0		20.18	20.02	20.22
3	8	4		20.21	20.07	20.24
3	8	7		20.18	20.07	20.19
3	15	0		20.17	20.04	20.19



LTE Band 4 Maximum Average Power [dBm]						
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest
5	1	0	QPSK	20.05	19.96	20.14
5	1	12		20.51	20.46	20.58
5	1	24		20.00	19.96	20.13
5	12	0		20.20	20.09	20.22
5	12	6		20.25	20.15	20.32
5	12	11		20.18	20.12	20.21
5	25	0		20.22	20.08	20.25
5	1	0	16-QAM	20.08	19.94	19.97
5	1	12		20.28	20.14	20.26
5	1	24		19.98	20.05	20.04
5	12	0		20.09	19.99	20.21
5	12	6		20.15	20.10	20.26
5	12	11		20.14	20.10	20.11
5	25	0		20.17	20.08	20.20
10	1	0	QPSK	20.42	19.94	20.62
10	1	24		20.53	20.11	20.74
10	1	49		20.38	20.05	20.58
10	25	0		20.25	20.11	20.34
10	25	12		20.25	20.16	20.32
10	25	24		20.29	20.17	20.25
10	50	0		20.35	20.16	20.29
10	1	0	16-QAM	20.23	20.10	20.14
10	1	24		20.30	20.24	20.27
10	1	49		20.17	20.14	20.13
10	25	0		20.21	20.05	20.27
10	25	12		20.23	20.07	20.26
10	25	24		20.25	20.16	20.23
10	50	0		20.24	20.11	20.29



LTE Band 4 Maximum Average Power [dBm]						
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest
15	1	0	QPSK	20.58	20.18	20.20
15	1	37		20.94	20.53	20.61
15	1	74		20.50	20.24	20.19
15	36	0		20.22	20.09	20.18
15	36	18		20.26	20.17	20.22
15	36	39		20.19	20.18	20.14
15	75	0		20.18	20.11	20.26
15	1	0	16-QAM	20.09	20.00	20.06
15	1	38		20.35	20.35	20.55
15	1	75		19.97	20.11	20.10
15	36	0		20.16	19.99	20.22
15	36	18		20.18	20.07	20.26
15	36	39		20.18	20.12	20.19
15	75	0		20.17	20.07	20.21
20	1	0	QPSK	20.52	20.61	20.53
20	1	49		21.08	20.99	20.91
20	1	99		20.47	20.60	20.45
20	50	0		20.27	20.07	20.29
20	50	24		20.34	20.20	20.26
20	50	49		20.23	20.19	20.18
20	100	0		20.22	20.08	20.27
20	1	0	16-QAM	20.34	20.32	20.35
20	1	49		20.52	20.52	20.64
20	1	99		20.28	20.32	20.48
20	50	0		20.14	20.10	20.31
20	50	24		20.25	20.18	20.33
20	50	49		20.22	20.23	20.20
20	100	0		20.22	20.12	20.20



LTE Band 7 Maximum Average Power [dBm]						
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest
5	1	0	QPSK	19.68	19.88	19.99
5	1	12		20.13	20.26	20.33
5	1	24		19.67	19.84	19.97
5	12	0		19.79	20.03	20.08
5	12	6		19.81	20.04	20.13
5	12	11		19.77	19.94	20.04
5	25	0		19.82	19.98	20.04
5	1	0	16-QAM	19.66	19.99	19.87
5	1	12		20.05	20.18	20.15
5	1	24		19.95	19.84	19.99
5	12	0		19.75	20.09	19.86
5	12	6		19.93	20.06	20.06
5	12	11		20.05	19.83	20.12
5	25	0		19.91	19.97	20.01
10	1	0	QPSK	19.68	20.43	20.20
10	1	24		19.82	20.47	20.37
10	1	49		19.89	20.37	20.27
10	25	0		19.83	20.12	20.06
10	25	12		19.87	20.03	20.06
10	25	24		20.02	20.02	20.11
10	50	0		19.92	19.97	20.09
10	1	0	16-QAM	19.84	20.01	20.03
10	1	24		19.99	20.09	20.22
10	1	49		19.98	19.94	20.09
10	25	0		19.83	20.09	20.10
10	25	12		19.86	20.01	20.11
10	25	24		20.03	19.99	20.12
10	50	0		19.92	19.99	20.04



LTE Band 7 Maximum Average Power [dBm]						
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest
15	1	0	QPSK	19.85	20.41	20.18
15	1	37		20.26	20.70	20.62
15	1	74		20.08	20.27	20.20
15	36	0		19.77	20.09	20.03
15	36	18		19.88	20.06	20.15
15	36	39		20.00	19.94	20.16
15	75	0		19.98	20.01	20.08
15	1	0	16-QAM	19.82	19.99	19.96
15	1	38		20.17	20.20	20.31
15	1	75		19.95	19.85	19.97
15	36	0		19.84	20.04	20.02
15	36	18		19.97	20.08	20.16
15	36	39		20.04	20.00	20.16
15	75	0		19.99	20.04	20.09
20	1	0	QPSK	20.05	20.23	20.51
20	1	49		20.44	20.62	21.03
20	1	99		20.04	20.20	20.52
20	50	0		19.73	20.01	20.02
20	50	24		19.77	20.05	20.12
20	50	49		19.75	19.98	20.02
20	100	0		19.86	19.94	20.00
20	1	0	16-QAM	20.00	20.27	20.09
20	1	49		20.35	20.45	20.45
20	1	99		20.27	20.10	20.25
20	50	0		19.78	20.13	19.94
20	50	24		19.99	20.00	20.12
20	50	49		20.09	19.86	20.16
20	100	0		19.95	20.01	20.03



LTE Band 25 Maximum Average Power [dBm]						
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest
1.4	1	0	QPSK	20.79	20.92	20.62
1.4	1	2		20.86	21.04	20.81
1.4	1	5		20.76	20.88	20.57
1.4	3	0		20.85	21.04	20.98
1.4	3	1		20.86	21.05	20.99
1.4	3	2		20.86	21.06	21.03
1.4	6	0		20.80	20.90	20.96
1.4	1	0	16-QAM	20.66	20.62	20.77
1.4	1	2		20.80	20.82	20.91
1.4	1	5		20.61	20.65	20.77
1.4	3	0		20.61	20.75	20.83
1.4	3	1		20.65	20.85	20.87
1.4	3	2		20.67	20.76	20.87
1.4	6	0		20.63	20.68	20.77
3	1	0	QPSK	20.98	20.61	21.18
3	1	7		21.27	20.92	21.45
3	1	14		21.06	20.61	21.16
3	8	0		20.58	20.68	20.80
3	8	4		20.66	20.69	20.84
3	8	7		20.60	20.71	20.79
3	15	0		20.60	20.79	20.76
3	1	0	16-QAM	20.56	20.76	20.75
3	1	7		20.83	21.01	21.01
3	1	14		20.59	20.78	20.71
3	8	0		20.52	20.66	20.75
3	8	4		20.57	20.68	20.79
3	8	7		20.58	20.66	20.76
3	15	0		20.54	20.67	20.75



LTE Band 25 Maximum Average Power [dBm]						
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest
5	1	0	QPSK	20.46	20.60	20.63
5	1	12		20.88	20.97	21.09
5	1	24		20.46	20.54	20.67
5	12	0		20.57	20.71	20.75
5	12	6		20.64	20.76	20.83
5	12	11		20.62	20.71	20.76
5	25	0		20.62	20.72	20.75
5	1	0	16-QAM	20.47	20.67	20.56
5	1	12		20.77	20.82	20.89
5	1	24		20.64	20.46	20.72
5	12	0		20.61	20.71	20.86
5	12	6		20.72	20.76	20.74
5	12	11		20.58	20.73	20.78
5	25	0		20.56	20.73	20.84
10	1	0	QPSK	20.42	20.67	21.07
10	1	24		20.66	20.74	21.24
10	1	49		20.51	20.58	21.19
10	25	0		20.65	20.77	20.80
10	25	12		20.63	20.74	20.81
10	25	24		20.73	20.74	20.85
10	50	0		20.67	20.71	20.84
10	1	0	16-QAM	20.63	20.76	20.63
10	1	24		20.73	20.84	20.83
10	1	49		20.69	20.71	20.68
10	25	0		20.67	20.70	20.76
10	25	12		20.63	20.74	20.77
10	25	24		20.69	20.73	20.80
10	50	0		20.63	20.77	20.78



LTE Band 25 Maximum Average Power [dBm]						
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest
15	1	0	QPSK	20.71	20.83	21.00
15	1	37		21.15	21.22	21.47
15	1	74		20.80	20.70	21.17
15	36	0		20.69	20.72	20.84
15	36	18		20.76	20.76	20.86
15	36	39		20.75	20.68	20.83
15	75	0		20.71	20.78	20.87
15	1	0	16-QAM	20.52	20.71	20.54
15	1	38		20.94	20.91	20.94
15	1	75		20.61	20.59	20.73
15	36	0		20.60	20.75	20.82
15	36	18		20.71	20.79	20.85
15	36	39		20.72	20.72	20.84
15	75	0		20.68	20.78	20.83
20	1	0	QPSK	20.80	21.25	20.97
20	1	49		21.20	21.58	21.38
20	1	99		20.86	21.21	21.04
20	50	0		20.58	20.68	20.71
20	50	24		20.65	20.77	20.78
20	50	49		20.65	20.74	20.65
20	100	0		20.59	20.72	20.78
20	1	0	16-QAM	20.76	21.03	20.80
20	1	49		21.06	21.19	21.06
20	1	99		20.96	20.88	20.99
20	50	0		20.66	20.81	20.86
20	50	24		20.76	20.87	20.77
20	50	49		20.65	20.81	20.80
20	100	0		20.63	20.79	20.78



LTE Band 66 Maximum Average Power [dBm]						
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest
1.4	1	0	QPSK	20.29	20.39	20.10
1.4	1	2		20.47	20.51	20.23
1.4	1	5		20.30	20.32	20.08
1.4	3	0		20.40	20.45	20.42
1.4	3	1		20.42	20.55	20.47
1.4	3	2		20.38	20.55	20.49
1.4	6	0		20.33	20.33	20.38
1.4	1	0	16-QAM	20.13	20.16	20.11
1.4	1	2		20.27	20.25	20.29
1.4	1	5		20.09	20.09	20.17
1.4	3	0		20.12	20.21	20.24
1.4	3	1		20.16	20.22	20.22
1.4	3	2		20.17	20.19	20.23
1.4	6	0		20.07	20.13	20.11
3	1	0	QPSK	20.58	20.36	20.11
3	1	7		20.93	20.82	20.43
3	1	14		20.54	20.36	20.10
3	8	0		20.14	20.20	20.14
3	8	4		20.14	20.20	20.19
3	8	7		20.12	20.19	20.16
3	15	0		20.14	20.10	20.24
3	1	0	16-QAM	20.08	20.17	20.12
3	1	7		20.46	20.53	20.48
3	1	14		20.07	20.16	20.21
3	8	0		20.04	20.09	20.13
3	8	4		20.11	20.14	20.16
3	8	7		20.08	20.13	20.12
3	15	0		20.06	20.09	20.12



LTE Band 66 Maximum Average Power [dBm]						
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest
5	1	0	QPSK	20.03	20.07	19.94
5	1	12		20.49	20.51	20.39
5	1	24		19.95	20.00	20.08
5	12	0		20.10	20.16	20.07
5	12	6		20.14	20.20	20.23
5	12	11		20.09	20.12	20.17
5	25	0		20.11	20.13	20.17
5	1	0	16-QAM	19.96	19.95	19.89
5	1	12		20.11	20.32	20.10
5	1	24		19.85	20.03	20.07
5	12	0		19.98	20.16	20.16
5	12	6		20.07	20.20	20.05
5	12	11		20.06	20.07	20.00
5	25	0		20.11	20.10	20.10
10	1	0	QPSK	20.35	20.00	20.47
10	1	24		20.43	20.21	20.67
10	1	49		20.31	20.08	20.69
10	25	0		20.20	20.21	20.20
10	25	12		20.21	20.23	20.19
10	25	24		20.18	20.22	20.29
10	50	0		20.25	20.20	20.23
10	1	0	16-QAM	20.08	20.11	20.00
10	1	24		20.19	20.30	20.19
10	1	49		20.04	20.20	20.15
10	25	0		20.13	20.17	20.14
10	25	12		20.12	20.18	20.10
10	25	24		20.10	20.15	20.17
10	50	0		20.12	20.19	20.11



LTE Band 66 Maximum Average Power [dBm]						
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest
15	1	0	QPSK	20.22	20.20	20.48
15	1	37		20.59	20.57	20.83
15	1	74		20.17	20.22	20.64
15	36	0		20.21	20.12	20.21
15	36	18		20.20	20.18	20.17
15	36	39		20.20	20.15	20.22
15	75	0		20.11	20.25	20.15
15	1	0	16-QAM	20.06	19.99	19.94
15	1	38		20.48	20.41	20.26
15	1	75		19.96	20.06	20.09
15	36	0		20.09	20.18	20.20
15	36	18		20.06	20.22	20.12
15	36	39		20.11	20.19	20.14
15	75	0		20.08	20.16	20.16
20	1	0	QPSK	20.40	20.40	20.62
20	1	49		20.84	20.75	21.07
20	1	99		20.41	20.46	20.70
20	50	0		20.10	20.20	20.20
20	50	24		20.15	20.28	20.24
20	50	49		20.14	20.22	20.22
20	100	0		20.18	20.16	20.15
20	1	0	16-QAM	20.43	20.30	20.23
20	1	49		20.57	20.60	20.40
20	1	99		20.26	20.34	20.35
20	50	0		20.20	20.19	20.22
20	50	24		20.21	20.23	20.16
20	50	49		20.18	20.09	20.08
20	100	0		20.21	20.17	20.18



11.2 Tune up power

Normal Output Power:

Mode	GSM850	GSM1900
GSM/PCS	34±1dBm	30.5±1dBm
GPRS (1 Slot)	34±1dBm	30.5±1dBm
GPRS (2 Slot)	33±1dBm	30±1dBm
GPRS (3 Slot)	31.5±1dBm	28±1dBm
GPRS (4 Slot)	30.5±1dBm	27±1dBm
EDGE (1 Slot)	27.5±1dBm	25±1dBm
EDGE (2 Slot)	26.5±1dBm	24.5±1dBm
EDGE (3 Slot)	24±1dBm	22.5±1dBm
EDGE (4 Slot)	23±1dBm	21±1dBm

Mode	WCDMA Band II	WCDMA Band IV	WCDMA Band V
RMR	22.5±1dBm	23±1dBm	23±1dBm
HSDPA Subtest-1	21.5±1dBm	22±1dBm	21.5±1dBm
HSDPA Subtest-2	21±1dBm	21.5±1dBm	21.5±1dBm
HSDPA Subtest-3	20±1dBm	20.5±1dBm	20.5±1dBm
HSDPA Subtest-4	20±1dBm	20.5±1dBm	20.5±1dBm
HSUPA Subtest-1	21±1dBm	21.5±1dBm	21.5±1dBm
HSUPA Subtest-2	21.5±1dBm	21.5±1dBm	21.5±1dBm
HSUPA Subtest-3	20±1dBm	20.5±1dBm	20.5±1dBm
HSUPA Subtest-4	21.5±1dBm	22±1dBm	22±1dBm
HSUPA Subtest-5	21±1dBm	21.5±1dBm	21±1dBm

Mode	NFC
NFC	-43±1dBm

Mode	BT
GFSK	3.5±1dBm
π/4-DQPSK	3±1dBm
8DPSK	3±1dBm

Mode	BLE
GFSK(1Mbps)	-2.5±1dBm
GFSK(2Mbps)	-2.5±1dBm



BW [MHz]	RB Size	Mode	Band 2	Band 4	Band 5	Band 7	Band 12	Band 13	Band 17
1.4	1	QPSK	23.5±1dBm	22.5±1dBm	23.5±1dBm	N/A	22.5±1dBm	N/A	N/A
1.4	3		23±1dBm	22.5±1dBm	23±1dBm	N/A	22.5±1dBm	N/A	N/A
1.4	6		22±1dBm	22.5±1dBm	22±1dBm	N/A	21.5±1dBm	N/A	N/A
1.4	1	16-QAM	22.5±1dBm	21.5±1dBm	22.5±1dBm	N/A	22±1dBm	N/A	N/A
1.4	3		22.5±1dBm	21.5±1dBm	22.5±1dBm	N/A	22±1dBm	N/A	N/A
1.4	6		21.5±1dBm	20.5±1dBm	21.5±1dBm	N/A	20.5±1dBm	N/A	N/A
3	1	QPSK	23±1dBm	22.5±1dBm	23±1dBm	N/A	22.5±1dBm	N/A	N/A
3	8		22±1dBm	21.5±1dBm	22±1dBm	N/A	21.5±1dBm	N/A	N/A
3	15		22±1dBm	21.5±1dBm	22±1dBm	N/A	21.5±1dBm	N/A	N/A
3	1	16-QAM	23±1dBm	22.5±1dBm	23±1dBm	N/A	22±1dBm	N/A	N/A
3	8		21.5±1dBm	21±1dBm	21.5±1dBm	N/A	20.5±1dBm	N/A	N/A
3	15		21.5±1dBm	21±1dBm	21±1dBm	N/A	20.5±1dBm	N/A	N/A
5	1	QPSK	23.5±1dBm	22.5±1dBm	23.5±1dBm	22±1dBm	22.5±1dBm	23±1dBm	22.5±1dBm
5	12		22±1dBm	21.5±1dBm	22±1dBm	21±1dBm	21.5±1dBm	22±1dBm	21.5±1dBm
5	25		22±1dBm	21.5±1dBm	22±1dBm	21±1dBm	21.5±1dBm	22±1dBm	21.5±1dBm
5	1	16-QAM	23±1dBm	22±1dBm	23±1dBm	22±1dBm	22.5±1dBm	23±1dBm	22.5±1dBm
5	12		21.5±1dBm	20.5±1dBm	21.5±1dBm	20.5±1dBm	20.5±1dBm	21±1dBm	21±1dBm
5	25		21.5±1dBm	20.5±1dBm	21±1dBm	20.5±1dBm	20.5±1dBm	21±1dBm	20.5±1dBm
10	1	QPSK	23.5±1dBm	22.5±1dBm	23.5±1dBm	22.5±1dBm	22.8±1dBm	23±1dBm	23±1dBm
10	25		22.5±1dBm	21.5±1dBm	22±1dBm	21.5±1dBm	21.5±1dBm	22±1dBm	21.5±1dBm
10	50		22.5±1dBm	21.5±1dBm	22±1dBm	21.5±1dBm	21.5±1dBm	22±1dBm	21.5±1dBm
10	1	16-QAM	22.5±1dBm	22±1dBm	22.5±1dBm	21.5±1dBm	22.5±1dBm	22±1dBm	22±1dBm
10	25		21.5±1dBm	20.5±1dBm	21.5±1dBm	20.5±1dBm	20.5±1dBm	21±1dBm	20.5±1dBm
10	50		21.5±1dBm	20.5±1dBm	21±1dBm	20.5±1dBm	20.5±1dBm	21±1dBm	20.5±1dBm
15	1	QPSK	23.5±1dBm	22.5±1dBm	N/A	22.5±1dBm	N/A	N/A	N/A
15	36		22±1dBm	21.5±1dBm	N/A	21.5±1dBm	N/A	N/A	N/A
15	75		22±1dBm	21.5±1dBm	N/A	21.5±1dBm	N/A	N/A	N/A
15	1	16-QAM	22.5±1dBm	22±1dBm	N/A	21.5±1dBm	N/A	N/A	N/A
15	36		21±1dBm	20.5±1dBm	N/A	20±1dBm	N/A	N/A	N/A
15	75		21±1dBm	20.5±1dBm	N/A	20±1dBm	N/A	N/A	N/A
20	1	QPSK	23.5±1dBm	23±1dBm	N/A	22.5±1dBm	N/A	N/A	N/A
20	50		22±1dBm	21.5±1dBm	N/A	21.5±1dBm	N/A	N/A	N/A
20	100		22±1dBm	21.5±1dBm	N/A	21.5±1dBm	N/A	N/A	N/A
20	1	16-QAM	22±1dBm	21.5±1dBm	N/A	21.5±1dBm	N/A	N/A	N/A
20	50		21±1dBm	20.5±1dBm	N/A	20±1dBm	N/A	N/A	N/A
20	100		21±1dBm	20.5±1dBm	N/A	20±1dBm	N/A	N/A	N/A



BW[MHz]	RB Size	Mode	Band 25	Band 26	Band 26	Band 38	Band 41	Band 66
1.4	1	QPSK	23±1dBm	23.5±1dBm	23.5±1dBm	N/A	N/A	24.5±1dBm
1.4	3		23±1dBm	23±1dBm	22.5±1dBm	N/A	N/A	24.5±1dBm
1.4	6		22±1dBm	22±1dBm	22±1dBm	N/A	N/A	23±1dBm
1.4	1	16- QAM	22±1dBm	22.5±1dBm	22.5±1dBm	N/A	N/A	23.5±1dBm
1.4	3		22±1dBm	22.5±1dBm	22.5±1dBm	N/A	N/A	23.5±1dBm
1.4	6		21±1dBm	21.5±1dBm	21.5±1dBm	N/A	N/A	22.5±1dBm
3	1	QPSK	23±1dBm	23.5±1dBm	23.5±1dBm	N/A	N/A	24±1dBm
3	8		22±1dBm	22±1dBm	22.5±1dBm	N/A	N/A	23±1dBm
3	15		22±1dBm	22±1dBm	22±1dBm	N/A	N/A	23±1dBm
3	1	16- QAM	22.5±1dBm	22.5±1dBm	23±1dBm	N/A	N/A	24±1dBm
3	8		21±1dBm	21±1dBm	21.5±1dBm	N/A	N/A	22±1dBm
3	15		21±1dBm	21±1dBm	21.5±1dBm	N/A	N/A	22±1dBm
5	1	QPSK	23±1dBm	23.5±1dBm	23.5±1dBm	22.5±1dBm	22±1dBm	24.5±1dBm
5	12		22±1dBm	22±1dBm	22.5±1dBm	21±1dBm	21±1dBm	23±1dBm
5	25		22±1dBm	22±1dBm	22.5±1dBm	21±1dBm	21±1dBm	23±1dBm
5	1	16- QAM	22.5±1dBm	23±1dBm	23±1dBm	22±1dBm	21.5±1dBm	24±1dBm
5	12		21±1dBm	21.5±1dBm	21.5±1dBm	20±1dBm	20±1dBm	22±1dBm
5	25		21±1dBm	21±1dBm	21.5±1dBm	20±1dBm	20±1dBm	22±1dBm
10	1	QPSK	23±1dBm	23.5±1dBm	23.5±1dBm	22.5±1dBm	22±1dBm	24±1dBm
10	25		22±1dBm	22±1dBm	22.5±1dBm	21.5±1dBm	21±1dBm	23±1dBm
10	50		22±1dBm	22±1dBm	22.5±1dBm	21±1dBm	21±1dBm	23±1dBm
10	1	16- QAM	22.5±1dBm	22.5±1dBm	22.5±1dBm	22±1dBm	21.5±1dBm	23.5±1dBm
10	25		21±1dBm	21±1dBm	21.5±1dBm	20.5±1dBm	20±1dBm	22±1dBm
10	50		21±1dBm	21±1dBm	21.5±1dBm	20.5±1dBm	20±1dBm	22±1dBm
15	1	QPSK	23±1dBm	N/A	23.5±1dBm	22.5±1dBm	22±1dBm	24.5±1dBm
15	36		22±1dBm	N/A	23.5±1dBm	21±1dBm	21±1dBm	23±1dBm
15	75		22±1dBm	N/A	22.5±1dBm	21±1dBm	21±1dBm	23±1dBm
15	1	16- QAM	22.5±1dBm	N/A	23±1dBm	22±1dBm	21.5±1dBm	23.5±1dBm
15	36		21±1dBm	N/A	21.5±1dBm	20±1dBm	20±1dBm	22±1dBm
15	75		21±1dBm	N/A	21.5±1dBm	20±1dBm	20±1dBm	22±1dBm
20	1	QPSK	23.5±1dBm	N/A	N/A	22.5±1dBm	22.2±1dBm	24.5±1dBm
20	50		22±1dBm	N/A	N/A	21±1dBm	21±1dBm	23±1dBm
20	100		22±1dBm	N/A	N/A	21±1dBm	21±1dBm	23±1dBm
20	1	16- QAM	22±1dBm	N/A	N/A	21.5±1dBm	21.5±1dBm	23.5±1dBm
20	50		21±1dBm	N/A	N/A	20±1dBm	20±1dBm	22.5±1dBm
20	100		21±1dBm	N/A	N/A	20±1dBm	20±1dBm	22±1dBm



BW[MHz]	RB Size	Mode	Band 14
1.4	1	QPSK	N/A
1.4	3		N/A
1.4	6		N/A
1.4	1	16- QAM	N/A
1.4	3		N/A
1.4	6		N/A
3	1	QPSK	N/A
3	8		N/A
3	15		N/A
3	1	16- QAM	N/A
3	8		N/A
3	15		N/A
5	1	QPSK	24.5±1dBm
5	12		23±1dBm
5	25		23±1dBm
5	1	16- QAM	23.5±1dBm
5	12		22±1dBm
5	25		22±1dBm
10	1	QPSK	24.5±1dBm
10	25		23±1dBm
10	50		23±1dBm
10	1	16- QAM	23.5±1dBm
10	25		22±1dBm
10	50		22±1dBm
15	1	QPSK	N/A
15	36		N/A
15	75		N/A
15	1	16- QAM	N/A
15	36		N/A
15	75		N/A
20	1	QPSK	N/A
20	50		N/A
20	100		N/A
20	1	16- QAM	N/A
20	50		N/A
20	100		N/A



Mode	2.4G WLAN
802.11b	16±1dBm
802.11g	15±1dBm
802.11n(HT20)	13.5±1dBm
802.11n(HT40)	14±1dBm

Mode	5.2G WLAN
802.11a	9.5±1dBm
802.11 n-HT20	8.5±1dBm
802.11 n-HT40	8.5±1dBm
802.11 ac-VHT20	8.5±1dBm
802.11 ac-VHT40	8.5±1dBm
802.11 ac-VHT80	8.5±1dBm

Mode	5.3G WLAN
802.11a	8±1dBm
802.11 n-HT20	8.5±1dBm
802.11 n-HT40	8.5±1dBm
802.11 ac-VHT20	8.5±1dBm
802.11 ac-VHT40	8.5±1dBm
802.11 ac-VHT80	8.5±1dBm

Mode	5.6G WLAN
802.11a	7±1dBm
802.11 n-HT20	9±1dBm
802.11 n-HT40	8.5±1dBm
802.11 ac-VHT20	9.5±1dBm
802.11 ac-VHT40	9±1dBm
802.11 ac-VHT80	7.5±1dBm

Mode	5.8G WLAN
802.11a	8.5±1dBm
802.11 n-HT20	8±1dBm
802.11 n-HT40	8±1dBm
802.11 ac-VHT20	8±1dBm
802.11 ac-VHT40	8±1dBm
802.11 ac-VHT80	7.5±1dBm



Power sensor triggered power:

Configuration 1

Mode	GSM850	GSM1900
GSM/PCS	30.5±1dBm	25.5±1dBm
GPRS (1 Slot)	30.5±1dBm	25.5±1dBm
GPRS (2 Slot)	29.5±1dBm	24±1dBm
GPRS (3 Slot)	27±1dBm	20.5±1dBm
GPRS (4 Slot)	25±1dBm	18±1dBm
EDGE (1 Slot)	/	22.5±1dBm
EDGE (2 Slot)	/	21.5±1dBm
EDGE (3 Slot)	/	19.5±1dBm
EDGE (4 Slot)	/	18±1dBm

Mode	WCDMA Band II	WCDMA Band IV	WCDMA Band V
RMR	13.5±1dBm	14±1dBm	21.8±1dBm
HSDPA Subtest-1	13±1dBm	13±1dBm	21±1dBm
HSDPA Subtest-2	12±1dBm	12.5±1dBm	20.5±1dBm
HSDPA Subtest-3	11±1dBm	11.5±1dBm	19.5±1dBm
HSDPA Subtest-4	11.5±1dBm	11.5±1dBm	19.5±1dBm
HSUPA Subtest-1	12.5±1dBm	13±1dBm	21±1dBm
HSUPA Subtest-2	12.5±1dBm	13±1dBm	21±1dBm
HSUPA Subtest-3	11.5±1dBm	12±1dBm	19.5±1dBm
HSUPA Subtest-4	12.5±1dBm	13±1dBm	21±1dBm
HSUPA Subtest-5	11.5±1dBm	12±1dBm	20±1dBm



BW[MHz]	RB Size	Mode	Band 2	Band 4	Band 5	Band 7	Band 25
1.4	1	QPSK	14.5±1dBm	14.5±1dBm	21±1dBm	N/A	14.5±1dBm
1.4	3		14.5±1dBm	14.5±1dBm	21±1dBm	N/A	14.5±1dBm
1.4	6		14.5±1dBm	14.5±1dBm	21±1dBm	N/A	14.5±1dBm
1.4	1	16-QAM	14.5±1dBm	14±1dBm	21±1dBm	N/A	14.5±1dBm
1.4	3		14.5±1dBm	14±1dBm	20.5±1dBm	N/A	14.5±1dBm
1.4	6		14.5±1dBm	14±1dBm	20.5±1dBm	N/A	14.5±1dBm
3	1	QPSK	14.5±1dBm	15±1dBm	21±1dBm	N/A	15±1dBm
3	8		14.5±1dBm	14±1dBm	20.5±1dBm	N/A	14.5±1dBm
3	15		14.5±1dBm	14±1dBm	20.5±1dBm	N/A	14.5±1dBm
3	1	16-QAM	14.5±1dBm	14.5±1dBm	21±1dBm	N/A	14.5±1dBm
3	8		14.5±1dBm	14±1dBm	20.5±1dBm	N/A	14.5±1dBm
3	15		14.5±1dBm	14±1dBm	20.5±1dBm	N/A	14.5±1dBm
5	1	QPSK	15±1dBm	14.5±1dBm	21±1dBm	13.5±1dBm	14.5±1dBm
5	12		14.5±1dBm	14±1dBm	20.5±1dBm	13±1dBm	14.5±1dBm
5	25		14.5±1dBm	14±1dBm	20.5±1dBm	13±1dBm	14.5±1dBm
5	1	16-QAM	14.5±1dBm	14±1dBm	20.5±1dBm	13±1dBm	14.5±1dBm
5	12		14.5±1dBm	14±1dBm	20.5±1dBm	13±1dBm	14.5±1dBm
5	25		14.5±1dBm	14±1dBm	20.5±1dBm	13±1dBm	14.5±1dBm
10	1	QPSK	15±1dBm	14.5±1dBm	21.3±1dBm	13.5±1dBm	15±1dBm
10	25		14.5±1dBm	14±1dBm	20.5±1dBm	13.5±1dBm	14.5±1dBm
10	50		14.5±1dBm	14±1dBm	20.5±1dBm	13±1dBm	14.5±1dBm
10	1	16-QAM	14.5±1dBm	14±1dBm	21±1dBm	13.5±1dBm	14.5±1dBm
10	25		14.5±1dBm	14±1dBm	20.5±1dBm	13.5±1dBm	14.5±1dBm
10	50		14.5±1dBm	14±1dBm	20.5±1dBm	13±1dBm	14.5±1dBm
15	1	QPSK	15±1dBm	14.5±1dBm	N/A	14±1dBm	15±1dBm
15	36		14.5±1dBm	14±1dBm	N/A	13.5±1dBm	14.5±1dBm
15	75		14.5±1dBm	14±1dBm	N/A	13±1dBm	14.5±1dBm
15	1	16-QAM	14.5±1dBm	14.5±1dBm	N/A	13.5±1dBm	14.5±1dBm
15	36		14.5±1dBm	14±1dBm	N/A	13±1dBm	14.5±1dBm
15	75		14.5±1dBm	14±1dBm	N/A	13±1dBm	14.5±1dBm
20	1	QPSK	15±1dBm	15±1dBm	N/A	14±1dBm	15.2±1dBm
20	50		14.3±1dBm	14±1dBm	N/A	13±1dBm	14.5±1dBm
20	100		14.5±1dBm	14±1dBm	N/A	13±1dBm	14.5±1dBm
20	1	16-QAM	14.5±1dBm	14.5±1dBm	N/A	13.5±1dBm	14.5±1dBm
20	50		14.5±1dBm	14±1dBm	N/A	13.5±1dBm	14.5±1dBm
20	100		14.5±1dBm	14±1dBm	N/A	13±1dBm	14.5±1dBm



BW[MHz]	RB Size	Mode	Band 26	Band 26	Band 38	Band 41	Band 66
1.4	1	QPSK	21±1dBm	21±1dBm	N/A	N/A	14.5±1dBm
1.4	3		21±1dBm	21±1dBm	N/A	N/A	14.5±1dBm
1.4	6		21±1dBm	21±1dBm	N/A	N/A	14.5±1dBm
1.4	1	16-QAM	21±1dBm	20.5±1dBm	N/A	N/A	14.5±1dBm
1.4	3		20.5±1dBm	20.5±1dBm	N/A	N/A	14.5±1dBm
1.4	6		20.5±1dBm	20.5±1dBm	N/A	N/A	14.5±1dBm
3	1	QPSK	21.5±1dBm	21±1dBm	N/A	N/A	15±1dBm
3	8		20.5±1dBm	20.5±1dBm	N/A	N/A	14.5±1dBm
3	15		20.5±1dBm	20.5±1dBm	N/A	N/A	14.5±1dBm
3	1	16-QAM	21±1dBm	21±1dBm	N/A	N/A	14.5±1dBm
3	8		20.5±1dBm	20.5±1dBm	N/A	N/A	14±1dBm
3	15		20.5±1dBm	20.5±1dBm	N/A	N/A	14±1dBm
5	1	QPSK	21.5±1dBm	21±1dBm	17.5±1dBm	17±1dBm	14.5±1dBm
5	12		20.5±1dBm	20.5±1dBm	17.5±1dBm	16.5±1dBm	14±1dBm
5	25		20.5±1dBm	20.5±1dBm	17.5±1dBm	16.5±1dBm	14±1dBm
5	1	16-QAM	21±1dBm	21±1dBm	17.5±1dBm	16.5±1dBm	14.5±1dBm
5	12		20.5±1dBm	20.5±1dBm	17.5±1dBm	16.5±1dBm	14±1dBm
5	25		20.5±1dBm	20.5±1dBm	17.5±1dBm	16.5±1dBm	14±1dBm
10	1	QPSK	21.5±1dBm	21±1dBm	18±1dBm	16.5±1dBm	14.5±1dBm
10	25		20.5±1dBm	20.5±1dBm	17.5±1dBm	16.5±1dBm	14.5±1dBm
10	50		20.5±1dBm	20.5±1dBm	17.5±1dBm	16.5±1dBm	14.5±1dBm
10	1	16-QAM	20.5±1dBm	20.5±1dBm	17.5±1dBm	16.5±1dBm	14.5±1dBm
10	25		20.5±1dBm	20.5±1dBm	17.5±1dBm	16.5±1dBm	14±1dBm
10	50		20.5±1dBm	20.5±1dBm	17.5±1dBm	16.5±1dBm	14±1dBm
15	1	QPSK	N/A	21.5±1dBm	18±1dBm	16.5±1dBm	15±1dBm
15	36		N/A	20.5±1dBm	17.5±1dBm	16.5±1dBm	14±1dBm
15	75		N/A	20.5±1dBm	17.5±1dBm	16.5±1dBm	14±1dBm
15	1	16-QAM	N/A	21±1dBm	17.5±1dBm	16.5±1dBm	14.5±1dBm
15	36		N/A	20.5±1dBm	17.5±1dBm	16.5±1dBm	14±1dBm
15	75		N/A	20.5±1dBm	17.5±1dBm	16.5±1dBm	14±1dBm
20	1	QPSK	N/A	N/A	18±1dBm	17±1dBm	15±1dBm
20	50		N/A	N/A	17.5±1dBm	16.5±1dBm	14±1dBm
20	100		N/A	N/A	17.5±1dBm	16.5±1dBm	14±1dBm
20	1	16-QAM	N/A	N/A	18±1dBm	17±1dBm	14.5±1dBm
20	50		N/A	N/A	17.5±1dBm	16.5±1dBm	14.5±1dBm
20	100		N/A	N/A	17.5±1dBm	16.5±1dBm	1±1dBm



Configuration 2

Mode	GSM850	GSM1900
GSM/PCS	31.5±1dBm	28.8±1dBm
GPRS (1 Slot)	31.5±1dBm	28.8±1dBm
GPRS (2 Slot)	31±1dBm	28±1dBm
GPRS (3 Slot)	28.5±1dBm	25.5±1dBm
GPRS (4 Slot)	27.5±1dBm	24.5±1dBm
EDGE (1 Slot)	/	25±1dBm
EDGE (2 Slot)	/	24±1dBm
EDGE (3 Slot)	/	22±1dBm
EDGE (4 Slot)	/	21±1dBm

Mode	WCDMA Band II	WCDMA Band IV
RMR	20±1dBm	20±1dBm
HSDPA Subtest-1	19±1dBm	19±1dBm
HSDPA Subtest-2	18.5±1dBm	18.5±1dBm
HSDPA Subtest-3	17.5±1dBm	17.5±1dBm
HSDPA Subtest-4	17.5±1dBm	18±1dBm
HSUPA Subtest-1	18.5±1dBm	19±1dBm
HSUPA Subtest-2	18.5±1dBm	19±1dBm
HSUPA Subtest-3	17.5±1dBm	18±1dBm
HSUPA Subtest-4	19±1dBm	19±1dBm
HSUPA Subtest-5	18±1dBm	18.5±1dBm



BW[MHz]	RB Size	Mode	Band 2	Band 4	Band 7	Band 25	Band 66
1.4	1	QPSK	20.5±1dBm	20±1dBm	N/A	20.5±1dBm	20±1dBm
1.4	3		20.5±1dBm	20±1dBm	N/A	20.5±1dBm	20±1dBm
1.4	6		20±1dBm	19.5±1dBm	N/A	20±1dBm	19.5±1dBm
1.4	1	16- QAM	20±1dBm	19.5±1dBm	N/A	20±1dBm	19.5±1dBm
1.4	3		20±1dBm	19.5±1dBm	N/A	20±1dBm	19.5±1dBm
1.4	6		20±1dBm	19.5±1dBm	N/A	20±1dBm	19.5±1dBm
3	1	QPSK	20.5±1dBm	20.5±1dBm	N/A	20.5±1dBm	20±1dBm
3	8		20±1dBm	19.5±1dBm	N/A	20±1dBm	19.5±1dBm
3	15		20±1dBm	19.5±1dBm	N/A	20±1dBm	19.5±1dBm
3	1	16- QAM	20.5±1dBm	20±1dBm	N/A	20.5±1dBm	20±1dBm
3	8		20±1dBm	19.5±1dBm	N/A	20±1dBm	19.5±1dBm
3	15		20±1dBm	19.5±1dBm	N/A	20±1dBm	19.5±1dBm
5	1	QPSK	20.5±1dBm	20±1dBm	19.5±1dBm	20.5±1dBm	20±1dBm
5	12		20±1dBm	19.5±1dBm	19.5±1dBm	20±1dBm	19.5±1dBm
5	25		20±1dBm	19.5±1dBm	19.5±1dBm	20±1dBm	19.5±1dBm
5	1	16- QAM	20±1dBm	19.5±1dBm	19.5±1dBm	20±1dBm	19.5±1dBm
5	12		20±1dBm	19.5±1dBm	19.5±1dBm	20±1dBm	19.5±1dBm
5	25		20±1dBm	19.5±1dBm	19.5±1dBm	20±1dBm	19.5±1dBm
10	1	QPSK	20.5±1dBm	20±1dBm	19.5±1dBm	20.5±1dBm	20±1dBm
10	25		20±1dBm	19.5±1dBm	19.5±1dBm	20±1dBm	19.5±1dBm
10	50		20±1dBm	19.5±1dBm	19.5±1dBm	20±1dBm	19.5±1dBm
10	1	16- QAM	20±1dBm	19.5±1dBm	19.5±1dBm	20±1dBm	19.5±1dBm
10	25		20±1dBm	19.5±1dBm	19.5±1dBm	20±1dBm	19.5±1dBm
10	50		20±1dBm	19.5±1dBm	19.5±1dBm	20±1dBm	19.5±1dBm
15	1	QPSK	20.5±1dBm	20±1dBm	20±1dBm	20.5±1dBm	20±1dBm
15	36		20±1dBm	19.5±1dBm	19.5±1dBm	20±1dBm	19.5±1dBm
15	75		20±1dBm	19.5±1dBm	19.5±1dBm	20±1dBm	19.5±1dBm
15	1	16- QAM	20.5±1dBm	20±1dBm	19.5±1dBm	20±1dBm	19.5±1dBm
15	36		20±1dBm	19.5±1dBm	19.5±1dBm	20±1dBm	19.5±1dBm
15	75		20±1dBm	19.5±1dBm	19.5±1dBm	20±1dBm	19.5±1dBm
20	1	QPSK	21±1dBm	20.5±1dBm	20.3±1dBm	21±1dBm	20.5±1dBm
20	50		20±1dBm	19.5±1dBm	19.3±1dBm	20±1dBm	19.5±1dBm
20	100		20±1dBm	19.5±1dBm	19.2±1dBm	20±1dBm	19.5±1dBm
20	1	16- QAM	20.5±1dBm	20±1dBm	19.5±1dBm	20.5±1dBm	20±1dBm
20	50		20±1dBm	19.5±1dBm	19.5±1dBm	20±1dBm	19.5±1dBm
20	100		20±1dBm	19.5±1dBm	19.5±1dBm	20±1dBm	19.5±1dBm



12. EUT and Test Setup Photo

12.1 EUT Photos

Please refer to attachment.

12.2 Setup Photos

Please refer to attachment.



13. SAR Result Summary

13.1 Body-worn and Hotspot SAR

Configuration 1

Band	Model	Power sensor	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	voice	ON	Front Side	848.5	0.696	-3.75	31.50	31.28	1.052	0.732	/
			Back Side	824.2	0.782	-2.87	31.50	31.03	1.114	0.871	/
			Back Side	836.6	0.721	2.41	31.50	30.94	1.138	0.820	/
			Back Side	848.5	0.865	-2.77	31.50	31.28	1.052	0.910	1
			Left Side	848.5	0.263	-2.19	31.50	31.28	1.052	0.277	/
			Bottom Side	848.5	0.435	3.13	31.50	31.28	1.052	0.458	/
		OFF	Right Side	848.8	0.472	3.72	35.00	34.69	1.074	0.507	/
			Top Side	848.8	0.078	-3.43	35.00	34.69	1.074	0.084	/
PCS 1900	voice	ON	Front Side	1880	0.098	3.86	26.50	26.28	1.052	0.103	/
			Back Side	1880	0.383	1.76	26.50	26.28	1.052	0.403	2
			Left Side	1880	0.115	1.04	26.50	26.28	1.052	0.121	/
			Bottom Side	1880	0.192	-0.96	26.50	26.28	1.052	0.202	/
		OFF	Right Side	1880	0.132	-1.37	31.50	31.24	1.062	0.140	/
			Top Side	1880	0.039	2.98	31.50	31.24	1.062	0.041	/
WCDMA Band II	RMC	ON	Front Side	1880	0.171	-3.61	14.50	14.43	1.016	0.174	/
			Back Side	1880	0.683	-3.51	14.50	14.43	1.016	0.694	3
			Left Side	1880	0.206	-0.04	14.50	14.43	1.016	0.209	/
			Bottom Side	1880	0.345	-3.57	14.50	14.43	1.016	0.351	/
		OFF	Right Side	1880	0.236	0.47	23.50	23.39	1.026	0.242	/
WCDMA Band IV	RMC	ON	Front Side	1712.6	0.166	1.62	15.00	14.78	1.052	0.175	/
			Back Side	1712.6	0.650	-1.86	15.00	14.78	1.052	0.684	4
			Left Side	1712.6	0.198	0.85	15.00	14.78	1.052	0.208	/
			Bottom Side	1712.6	0.329	-0.93	15.00	14.78	1.052	0.346	/
		OFF	Right Side	1752.4	0.225	1.46	24.00	23.59	1.099	0.247	/
WCDMA Band V	RMC	ON	Front Side	846.6	0.430	-0.05	22.80	22.58	1.052	0.452	/
			Back Side	826.4	0.896	3.07	22.80	22.48	1.076	0.965	/
			Back Side	836.4	0.921	-1.06	22.80	22.51	1.069	0.985	/
			Back Side	846.6	0.957	-3.73	22.80	22.58	1.052	1.007	5
			Left Side	846.6	0.310	-1.91	22.80	22.58	1.052	0.326	/
			Bottom Side	846.6	0.373	-3.86	22.80	22.58	1.052	0.392	/
		OFF	Right Side	846.6	0.518	2.30	24.00	23.59	1.099	0.569	/
2.4GHz WLAN	802.11b	/	Front Side	2462	0.131	-3.46	17.00	16.79	1.050	0.137	/
			Back Side	2462	0.178	0.24	17.00	16.79	1.050	0.187	/
			Right Side	2462	0.279	1.51	17.00	16.79	1.050	0.293	6
5.2GHz WLAN	802.11a	/	Front Side	5180	0.200	0.12	10.50	10.48	1.005	0.201	/
			Back Side	5180	0.258	-1.79	10.50	10.48	1.005	0.259	/
			Right Side	5180	0.397	-2.10	10.50	10.48	1.005	0.399	7



5.3GHz WLAN	802.11ac- VHT20	/	Front Side	5260	0.158	-3.91	9.50	9.42	1.019	0.161	/
			Back Side	5260	0.204	-1.96	9.50	9.42	1.019	0.208	/
			Right Side	5260	0.310	0.36	9.50	9.42	1.019	0.316	8
5.6GHz WLAN	802.11ac- VHT20	/	Front Side	5700	0.133	2.28	10.50	10.02	1.117	0.149	/
			Back Side	5700	0.169	-2.14	10.50	10.02	1.117	0.189	/
			Right Side	5700	0.259	0.31	10.50	10.02	1.117	0.289	9
5.8GHz WLAN	802.11a	/	Front Side	5745	0.171	2.39	9.50	9.08	1.102	0.188	/
			Back Side	5745	0.225	-0.69	9.50	9.08	1.102	0.248	/
			Right Side	5745	0.341	-3.58	9.50	9.08	1.102	0.376	10



Band	BW (MHz)	Model	Power sensor	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	ON	1	0	Front side	1900	0.218	-1.42	16.00	15.83	1.040	0.227	/
				50	0	Front side	1900	0.188	-2.55	15.30	15.09	1.050	0.197	/
				1	0	Back Side	1860	0.756	3.91	16.00	15.39	1.151	0.870	/
				1	0	Back Side	1880	0.712	-0.34	16.00	15.26	1.186	0.844	/
				1	0	Back Side	1900	0.863	2.15	16.00	15.83	1.040	0.897	11
				50	0	Back Side	1900	0.737	1.60	15.30	15.09	1.050	0.774	/
				1	0	Left Side	1900	0.216	3.31	16.00	15.83	1.040	0.225	/
				50	0	Left Side	1900	0.184	2.08	15.30	15.09	1.050	0.193	/
				1	0	Bottom Side	1900	0.433	-1.48	16.00	15.83	1.040	0.450	/
				50	0	Bottom Side	1900	0.366	-3.20	15.30	15.09	1.050	0.384	/
			OFF	1	0	Right Side	1880	0.296	-0.69	24.50	24.32	1.042	0.309	/
				50	0	Right Side	1900	0.252	1.22	23.00	22.94	1.014	0.256	/
LTE Band 4	20M	QPSK	ON	1	0	Front side	1720	0.177	2.87	16.00	15.76	1.057	0.187	/
				50	0	Front side	1745	0.149	3.47	15.00	14.90	1.023	0.152	/
				1	0	Back Side	1720	0.708	-2.62	16.00	15.76	1.057	0.748	12
				50	0	Back Side	1745	0.603	-3.90	15.00	14.90	1.023	0.617	/
				1	0	Left Side	1720	0.179	-0.43	16.00	15.76	1.057	0.189	/
				50	0	Left Side	1745	0.154	3.06	15.00	14.90	1.023	0.158	/
				1	0	Bottom Side	1720	0.356	-1.26	16.00	15.76	1.057	0.376	/
				50	0	Bottom Side	1745	0.302	2.38	15.00	14.90	1.023	0.309	/
			OFF	1	0	Right Side	1720	0.242	0.94	24.00	23.85	1.035	0.251	/
				50	0	Right Side	1720	0.207	1.79	22.50	22.44	1.014	0.210	/
LTE Band 5	10M	QPSK	ON	1	0	Front side	836.5	0.578	-2.19	22.30	22.01	1.069	0.618	/
				25	0	Front side	844	0.494	0.22	21.50	21.49	1.002	0.495	/
				1	0	Back Side	836.5	0.717	-1.94	22.30	22.01	1.069	0.767	13
				25	0	Back Side	844	0.612	0.71	21.50	21.49	1.002	0.613	/
				1	0	Left Side	836.5	0.180	-1.74	22.30	22.01	1.069	0.192	/
				25	0	Left Side	844	0.157	0.66	21.50	21.49	1.002	0.157	/
				1	0	Bottom Side	836.5	0.357	0.32	22.30	22.01	1.069	0.382	/
				25	0	Bottom Side	844	0.303	-3.49	21.50	21.49	1.002	0.304	/
			OFF	1	0	Right Side	844	0.389	-2.42	24.50	24.20	1.072	0.417	/



				25	0	Right Side	844	0.334	1.54	23.00	22.95	1.012	0.338	/
LTE Band 7	20M	QPSK	ON	1	0	Front side	2560	0.169	-0.20	15.00	14.80	1.047	0.177	/
				50	0	Front side	2560	0.143	-1.30	14.00	13.99	1.002	0.143	/
				1	0	Back Side	2560	0.660	-2.29	15.00	14.80	1.047	0.691	14
				50	0	Back Side	2560	0.560	1.14	14.00	13.99	1.002	0.561	/
				1	0	Left Side	2560	0.166	-0.15	15.00	14.80	1.047	0.174	/
				50	0	Left Side	2560	0.144	-3.73	14.00	13.99	1.002	0.144	/
				1	0	Bottom Side	2560	0.332	2.22	15.00	14.80	1.047	0.348	/
				50	0	Bottom Side	2560	0.284	-1.75	14.00	13.99	1.002	0.285	/
			OFF	1	0	Right Side	2560	0.225	-3.14	23.50	23.30	1.047	0.236	/
				50	0	Right Side	2560	0.193	2.16	22.50	22.07	1.104	0.213	/
LTE Band 12	10M	QPSK	OFF	1	0	Front side	711	0.201	-0.79	23.80	23.51	1.069	0.215	/
				25	0	Front side	711	0.174	1.50	22.50	22.31	1.045	0.182	/
				1	0	Back Side	704	0.957	4.00	23.80	23.39	1.099	1.052	/
				1	0	Back Side	707.5	0.936	-2.22	23.80	23.33	1.114	1.043	/
				1	0	Back Side	711	1.012	3.73	23.80	23.51	1.069	1.082	15
				25	0	Back Side	704	0.801	2.58	22.50	22.21	1.069	0.856	/
				25	0	Back Side	707.5	0.830	-1.77	22.50	22.22	1.067	0.885	/
				25	0	Back Side	711	0.864	3.49	22.50	22.31	1.045	0.903	/
				50	0	Back Side	711	0.652	-2.18	22.50	22.28	1.052	0.686	/
				1	0	Left Side	711	0.590	-0.76	23.80	23.51	1.069	0.631	/
				25	0	Left Side	711	0.607	-2.85	22.50	22.31	1.045	0.634	/
				1	0	Right Side	711	0.206	1.02	23.80	23.51	1.069	0.220	/
				25	0	Right Side	711	0.178	0.51	22.50	22.31	1.045	0.186	/
				1	0	Bottom Side	704	0.703	2.11	23.80	23.39	1.099	0.773	/
				1	0	Bottom Side	707.5	0.710	-2.12	23.80	23.33	1.114	0.791	/
				1	0	Bottom Side	711	0.792	-2.77	23.80	23.51	1.069	0.847	/
				25	0	Bottom Side	711	0.676	-3.35	22.50	22.31	1.045	0.706	/



LTE Band 13	10M	QPSK	OFF	1	0	Front side	782	0.189	3.86	24.00	23.98	1.005	0.190	/
				25	0	Front side	782	0.161	-0.33	23.00	22.62	1.091	0.176	/
				1	0	Back Side	782	0.511	1.77	24.00	23.98	1.005	0.513	16
				25	0	Back Side	782	0.435	-3.13	23.00	22.62	1.091	0.475	/
				1	0	Left Side	782	0.261	1.18	24.00	23.98	1.005	0.262	/
				25	0	Left Side	782	0.206	-1.05	23.00	22.62	1.091	0.225	/
				1	0	Right Side	782	0.106	-3.18	24.00	23.98	1.005	0.106	/
				25	0	Right Side	782	0.091	-0.82	23.00	22.62	1.091	0.099	/
				1	0	Bottom Side	782	0.403	-1.46	24.00	23.98	1.005	0.405	/
				25	0	Bottom Side	782	0.343	3.06	23.00	22.62	1.091	0.374	/
LTE Band 25	20M	QPSK	ON	1	0	Front side	1882.5	0.196	3.53	16.20	16.02	1.042	0.204	/
				50	0	Front side	1882.5	0.167	-3.27	15.50	15.11	1.094	0.183	/
				1	0	Back Side	1860	0.693	-1.28	16.20	15.63	1.140	0.790	/
				1	0	Back Side	1882.5	0.770	-1.87	16.20	16.02	1.042	0.803	17
				1	0	Back Side	1905	0.628	-3.49	16.20	15.54	1.164	0.731	/
				50	0	Back Side	1882.5	0.657	3.50	15.50	15.11	1.094	0.719	/
				1	0	Left Side	1882.5	0.335	-0.76	16.20	16.02	1.042	0.349	/
				50	0	Left Side	1882.5	0.285	1.12	15.50	15.11	1.094	0.312	/
				1	0	Bottom Side	1882.5	0.697	3.76	16.20	16.02	1.042	0.726	/
				50	0	Bottom Side	1882.5	0.592	-1.26	15.50	15.11	1.094	0.648	/
			OFF	1	0	Right Side	1860	0.263	3.27	24.50	24.01	1.119	0.294	/
				50	0	Right Side	1860	0.224	0.89	23.00	22.51	1.119	0.251	/
LTE Band 26	15M	QPSK	ON	1	0	Front side	831.5	0.602	-0.58	22.50	22.28	1.052	0.633	/
				36	0	Front side	849	0.513	-2.05	21.50	21.48	1.005	0.515	/
				1	0	Back Side	831.5	0.749	2.05	22.50	22.28	1.052	0.788	18
				36	0	Back Side	849	0.639	-3.12	21.50	21.48	1.005	0.642	/
				1	0	Left Side	831.5	0.189	1.37	22.50	22.28	1.052	0.199	/
				36	0	Left Side	849	0.160	-0.17	21.50	21.48	1.005	0.161	/
				1	0	Bottom Side	831.5	0.376	0.72	22.50	22.28	1.052	0.396	/
				36	0	Bottom Side	849	0.321	-2.28	21.50	21.48	1.005	0.322	/
			OFF	1	0	Right Side	831.5	0.408	2.17	24.50	24.44	1.014	0.414	/
				36	0	Right Side	831.5	0.348	-3.37	24.50	24.27	1.054	0.367	/



LTE Band 38	20M	QPSK	ON	1	0	Front side	2580	0.219	-0.19	19.00	18.84	1.038	0.227	/
				50	0	Front side	2610	0.189	-0.09	18.50	18.19	1.074	0.203	/
				1	0	Back Side	2580	0.871	-1.27	19.00	18.84	1.038	0.904	19
				1	0	Back Side	2595	0.805	2.46	19.00	18.60	1.096	0.883	/
				1	0	Back Side	2610	0.783	-1.56	19.00	18.61	1.094	0.857	/
				50	0	Back Side	2610	0.741	2.17	18.50	18.19	1.074	0.796	/
				1	0	Left Side	2580	0.198	-0.39	19.00	18.84	1.038	0.205	/
				50	0	Left Side	2610	0.171	-2.48	18.50	18.19	1.074	0.184	/
				1	0	Bottom Side	2580	0.394	-1.35	19.00	18.84	1.038	0.409	/
				1	0	Bottom Side	2595	0.334	3.31	19.00	18.60	1.096	0.366	/
				1	0	Bottom Side	2610	0.718	0.02	19.00	18.61	1.094	0.785	/
				50	0	Bottom Side	2610	0.671	0.34	18.50	18.19	1.074	0.721	/
			OFF	1	0	Right Side	2610	0.298	-3.37	23.50	23.16	1.081	0.322	/
				50	0	Right Side	2610	0.252	3.14	22.00	21.97	1.007	0.254	/
LTE Band 41	20M	QPSK	ON	1	0	Front side	2680	0.169	3.73	18.00	17.61	1.094	0.185	/
				50	0	Front side	2680	0.144	1.90	17.50	17.13	1.089	0.157	/
				1	0	Back Side	2680	0.675	0.77	18.00	17.61	1.094	0.738	20
				50	0	Back Side	2680	0.576	-0.57	17.50	17.13	1.089	0.627	/
				1	0	Left Side	2680	0.170	3.41	18.00	17.61	1.094	0.186	/
				50	0	Left Side	2680	0.145	-0.52	17.50	17.13	1.089	0.158	/
				1	0	Bottom Side	2680	0.340	3.07	18.00	17.61	1.094	0.372	/
				50	0	Bottom Side	2680	0.289	1.80	17.50	17.13	1.089	0.315	/
			OFF	1	0	Right Side	2593	0.234	-0.27	23.20	23.02	1.042	0.244	/
				50	0	Right Side	2593	0.197	2.19	22.00	21.85	1.035	0.204	/
LTE Band 66	20M	QPSK	ON	1	0	Front side	1720	0.186	1.05	16.00	15.82	1.042	0.194	/
				50	0	Front side	1770	0.158	3.88	15.00	14.99	1.002	0.158	/
				1	0	Back Side	1720	0.746	-1.82	16.00	15.82	1.042	0.778	21
				50	0	Back Side	1770	0.634	-3.32	15.00	14.99	1.002	0.635	/
				1	0	Left Side	1720	0.189	1.86	16.00	15.82	1.042	0.197	/
				50	0	Left Side	1770	0.163	-1.02	15.00	14.99	1.002	0.163	/
				1	0	Bottom Side	1720	0.375	1.23	16.00	15.82	1.042	0.391	/
				50	0	Bottom Side	1770	0.317	-0.33	15.00	14.99	1.002	0.318	/
			OFF	1	0	Right Side	1720	0.257	-2.26	25.50	25.38	1.028	0.264	/
				50	0	Right Side	1770	0.222	1.16	24.00	23.95	1.012	0.225	/



LTE Band 14	10M	QPSK	OFF	1	0	Front side	793	0.445	-0.45	25.50	25.10	1.096	0.488	/
				25	0	Front side	793	0.381	-3.99	24.00	23.8	1.047	0.399	/
				1	0	Back Side	793	0.551	-1.05	25.50	25.10	1.096	0.604	69
				25	0	Back Side	793	0.469	2.48	24.00	23.8	1.047	0.491	/
				1	0	Left Side	793	0.193	0.69	25.50	25.10	1.096	0.212	/
				25	0	Left Side	793	0.166	3.92	24.00	23.8	1.047	0.174	/
				1	0	Right Side	793	0.112	0.72	25.50	25.10	1.096	0.123	/
				25	0	Right Side	793	0.096	-2.80	24.00	23.8	1.047	0.101	/
				1	0	Bottom Side	793	0.434	0.83	25.50	25.10	1.096	0.476	/
				25	0	Bottom Side	793	0.371	-1.53	24.00	23.8	1.047	0.388	/

Configuration 2

Band	Model	Power sensor	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	voice	ON	Front Side	848.8	0.295	0.57	32.50	32.45	1.012	0.298	/
			Back Side	848.8	0.451	0.49	32.50	32.45	1.012	0.456	22
			Left Side	848.8	0.136	0.71	32.50	32.45	1.012	0.138	/
			Bottom Side	848.8	0.432	0.43	32.50	32.45	1.012	0.437	/
		OFF	Right Side	848.8	0.206	-2.90	35.00	34.69	1.074	0.221	/
			Top Side	848.8	0.042	3.10	35.00	34.69	1.074	0.045	/
PCS 1900	voice	ON	Front Side	1880	0.283	0.23	29.80	29.53	1.064	0.301	/
			Back Side	1880	0.617	-3.82	29.80	29.53	1.064	0.657	/
			Left Side	1880	0.189	3.02	29.80	29.53	1.064	0.201	/
			Bottom Side	1850.2	0.813	-0.40	29.80	29.15	1.161	0.944	/
			Bottom Side	1880	0.943	-0.69	29.80	29.53	1.064	1.003	23
			Bottom Side	1909.8	0.856	2.68	29.80	29.25	1.135	0.972	/
		OFF	Right Side	1880	0.248	-3.12	31.50	31.24	1.062	0.263	/
			Top Side	1880	0.069	2.16	31.50	31.24	1.062	0.073	/
WCDMA Band II	RMC	ON	Front Side	1880	0.177	-3.61	21.00	20.52	1.117	0.198	/
			Back Side	1880	0.464	0.69	21.00	20.52	1.117	0.518	/
			Left Side	1880	0.142	-0.21	21.00	20.52	1.117	0.159	/
			Bottom Side	1880	0.578	-1.79	21.00	20.52	1.117	0.646	24
		OFF	Right Side	1880	0.187	2.50	23.50	23.39	1.026	0.192	/
WCDMA Band IV	RMC	ON	Front Side	1712.6	0.164	2.52	21.00	20.83	1.040	0.171	/
			Back Side	1712.6	0.427	-1.87	21.00	20.83	1.040	0.444	/
			Left Side	1712.6	0.089	1.10	21.00	20.83	1.040	0.093	/



			Bottom Side	1712.6	0.560	-0.28	21.00	20.83	1.040	0.582	25
		OFF	Right Side	1752.4	0.133	-3.10	24.00	23.59	1.099	0.146	/
WCDMA Band V	RMC	OFF	Front Side	846.6	0.254	-1.76	24.00	23.59	1.099	0.279	/
			Back Side	846.6	0.387	0.35	24.00	23.59	1.099	0.425	26
			Left Side	846.6	0.150	0.77	24.00	23.59	1.099	0.165	/
			Right Side	846.6	0.211	-2.49	24.00	23.59	1.099	0.232	/
			Bottom Side	846.6	0.338	-2.43	24.00	23.59	1.099	0.371	/
2.4GHz WLAN	802.11b	/	Front Side	2462	0.146	3.89	17.00	16.79	1.050	0.153	/
			Back Side	2462	0.187	-1.48	17.00	16.79	1.050	0.196	/
			Right Side	2462	0.286	-2.01	17.00	16.79	1.050	0.300	27
5.2GHz WLAN	802.11a	/	Front Side	5180	0.202	1.19	10.50	10.48	1.005	0.203	/
			Back Side	5180	0.261	0.08	10.50	10.48	1.005	0.262	/
			Right Side	5180	0.397	-2.42	10.50	10.48	1.005	0.399	28
5.3GHz WLAN	802.11ac-VHT20	/	Front Side	5260	0.188	0.25	9.50	9.42	1.019	0.191	/
			Back Side	5260	0.244	-0.04	9.50	9.42	1.019	0.249	/
			Right Side	5260	0.372	-3.73	9.50	9.42	1.019	0.379	29
5.6GHz WLAN	802.11ac-VHT20	/	Front Side	5700	0.176	-1.66	10.50	10.02	1.117	0.197	/
			Back Side	5700	0.229	2.67	10.50	10.02	1.117	0.256	/
			Right Side	5700	0.348	-2.04	10.50	10.02	1.117	0.389	30
5.8GHz WLAN	802.11a	/	Front Side	5745	0.228	2.93	9.50	9.08	1.102	0.251	/
			Back Side	5745	0.299	-3.27	9.50	9.08	1.102	0.329	/
			Right Side	5745	0.453	-1.12	9.50	9.08	1.102	0.499	31



Band	BW (MHz)	Mod.	Power sensor	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	ON	1	0	Front side	1880	0.202	0.25	22.00	21.50	1.122	0.227	/
				50	0	Front side	1900	0.171	-0.23	21.00	20.79	1.050	0.179	/
				1	0	Back Side	1880	0.600	1.78	22.00	21.50	1.122	0.673	/
				50	0	Back Side	1900	0.513	1.44	21.00	20.79	1.050	0.538	/
				1	0	Left Side	1880	0.120	3.10	22.00	21.50	1.122	0.135	/
				50	0	Left Side	1900	0.105	-0.26	21.00	20.79	1.050	0.110	/
				1	0	Bottom Side	1880	0.667	-2.03	22.00	21.50	1.122	0.748	32
				50	0	Bottom Side	1900	0.567	1.34	21.00	20.79	1.050	0.595	/
			OFF	1	0	Right Side	1880	0.212	0.28	24.50	24.32	1.042	0.221	/
				50	0	Right Side	1900	0.181	0.34	23.00	22.94	1.014	0.184	/
LTE Band 4	20M	QPSK	ON	1	0	Front side	1720	0.169	1.59	21.50	21.08	1.102	0.186	/
				50	0	Front side	1720	0.146	-1.57	20.50	20.34	1.038	0.151	/
				1	0	Back Side	1720	0.444	2.28	21.50	21.08	1.102	0.489	/
				50	0	Back Side	1720	0.380	-1.96	20.50	20.34	1.038	0.394	/
				1	0	Left Side	1720	0.093	1.20	21.50	21.08	1.102	0.102	/
				50	0	Left Side	1720	0.082	0.91	20.50	20.34	1.038	0.085	/
				1	0	Bottom Side	1720	0.553	3.04	21.50	21.08	1.102	0.609	33
				50	0	Bottom Side	1720	0.469	0.87	20.50	20.34	1.038	0.487	/
			OFF	1	0	Right Side	1720	0.156	-0.55	24.00	23.85	1.035	0.161	/
				50	0	Right Side	1720	0.135	-3.55	22.50	22.44	1.014	0.137	/
LTE Band 5	10M	QPSK	OFF	1	0	Front side	844	0.274	2.06	24.50	24.20	1.072	0.294	/
				25	0	Front side	844	0.233	-1.34	23.00	22.95	1.012	0.236	/
				1	0	Back Side	844	0.419	1.97	24.50	24.20	1.072	0.449	34
				25	0	Back Side	844	0.356	-2.90	23.00	22.95	1.012	0.360	/
				1	0	Left Side	844	0.149	2.03	24.50	24.20	1.072	0.160	/
				25	0	Left Side	844	0.123	-2.24	23.00	22.95	1.012	0.124	/
				1	0	Right Side	844	0.19	-0.53	24.50	24.20	1.072	0.204	/
				25	0	Right Side	844	0.165	2.60	23.00	22.95	1.012	0.167	/
				1	0	Bottom Side	844	0.36	-0.26	24.50	24.20	1.072	0.386	/
				25	0	Bottom Side	844	0.308	0.78	23.00	22.95	1.012	0.312	/



LTE Band 7	20M	QPSK	ON	1	0	Front side	2560	0.165	0.81	21.30	21.03	1.064	0.176	/
				50	0	Front side	2560	0.141	-3.00	20.30	20.12	1.042	0.147	/
				1	0	Back Side	2560	0.436	-1.68	21.30	21.03	1.064	0.464	/
				50	0	Back Side	2560	0.372	0.31	20.30	20.12	1.042	0.388	/
				1	0	Left Side	2560	0.092	2.47	21.30	21.03	1.064	0.098	/
				50	0	Left Side	2560	0.078	-2.28	20.30	20.12	1.042	0.081	/
				1	0	Bottom Side	2560	0.540	2.27	21.30	21.03	1.064	0.575	35
				50	0	Bottom Side	2560	0.462	-1.11	20.30	20.12	1.042	0.482	/
			OFF	1	0	Right Side	2560	0.156	0.47	23.50	23.30	1.047	0.163	/
				50	0	Right Side	2560	0.132	3.64	22.50	22.07	1.104	0.146	/
LTE Band 12	10M	QPSK	OFF	1	0	Front side	711	0.251	-3.87	23.80	23.51	1.069	0.268	/
				25	0	Front side	711	0.212	-0.20	22.50	22.31	1.045	0.221	/
				1	0	Back Side	711	0.384	0.03	23.80	23.51	1.069	0.411	36
				25	0	Back Side	711	0.328	-1.00	22.50	22.31	1.045	0.343	/
				1	0	Left Side	711	0.123	3.06	23.80	23.51	1.069	0.131	/
				25	0	Left Side	711	0.098	3.22	22.50	22.31	1.045	0.102	/
				1	0	Right Side	711	0.102	3.48	23.80	23.51	1.069	0.109	/
				25	0	Right Side	711	0.085	-3.87	22.50	22.31	1.045	0.089	/
				1	0	Bottom Side	711	0.327	2.00	23.80	23.51	1.069	0.350	/
				25	0	Bottom Side	711	0.276	2.64	22.50	22.31	1.045	0.288	/
LTE Band 13	10M	QPSK	OFF	1	0	Front side	782	0.112	-3.40	24.00	23.98	1.005	0.113	/
				25	0	Front side	782	0.097	-3.36	23.00	22.62	1.091	0.106	/
				1	0	Back Side	782	0.166	3.09	24.00	23.98	1.005	0.167	37
				25	0	Back Side	782	0.141	-1.95	23.00	22.62	1.091	0.154	/
				1	0	Left Side	782	0.071	3.72	24.00	23.98	1.005	0.071	/
				25	0	Left Side	782	0.062	1.03	23.00	22.62	1.091	0.068	/
				1	0	Right Side	782	0.079	-0.80	24.00	23.98	1.005	0.079	/
				25	0	Right Side	782	0.070	3.20	23.00	22.62	1.091	0.076	/
				1	0	Bottom Side	782	0.144	1.68	24.00	23.98	1.005	0.145	/
				25	0	Bottom Side	782	0.124	1.49	23.00	22.62	1.091	0.135	/
LTE Band 25	20M	QPSK	ON	1	0	Front side	1882.5	0.189	-3.62	22.00	21.58	1.102	0.208	/
				50	0	Front side	1905	0.163	-2.82	21.00	20.78	1.052	0.171	/
				1	0	Back Side	1882.5	0.504	-1.03	22.00	21.58	1.102	0.555	/



				50	0	Back Side	1905	0.428	0.60	21.00	20.78	1.052	0.450	/
				1	0	Left Side	1882.5	0.105	-3.02	22.00	21.58	1.102	0.116	/
				50	0	Left Side	1905	0.092	1.88	21.00	20.78	1.052	0.097	/
				1	0	Bottom Side	1882.5	0.630	-0.71	22.00	21.58	1.102	0.694	38
				50	0	Bottom Side	1905	0.535	1.57	21.00	20.78	1.052	0.563	/
			OFF	1	0	Right Side	1860	0.180	1.71	24.50	24.01	1.119	0.201	/
				50	0	Right Side	1860	0.153	-1.31	23.00	22.51	1.119	0.171	/
LTE Band 26	15M	QPSK	OFF	1	0	Front side	831.5	0.371	2.05	24.50	24.44	1.014	0.376	/
				36	0	Front side	831.5	0.298	-2.25	24.50	24.27	1.054	0.314	/
				1	0	Back Side	831.5	0.499	1.17	24.50	24.44	1.014	0.506	39
				36	0	Back Side	831.5	0.428	-1.16	24.50	24.27	1.054	0.451	/
				1	0	Left Side	831.5	0.183	-2.23	24.50	24.44	1.014	0.186	/
				36	0	Left Side	831.5	0.151	1.45	24.50	24.27	1.054	0.159	/
				1	0	Right Side	831.5	0.228	-3.71	24.50	24.44	1.014	0.231	/
				36	0	Right Side	831.5	0.194	1.93	24.50	24.27	1.054	0.205	/
				1	0	Bottom Side	831.5	0.432	-3.25	24.50	24.44	1.014	0.438	/
				36	0	Bottom Side	831.5	0.379	-0.87	24.50	24.27	1.054	0.400	/
LTE Band 38	20M	QPSK	OFF	1	0	Front side	2610	0.196	-0.91	23.50	23.16	1.081	0.212	/
				50	0	Front side	2610	0.169	-3.53	22.00	21.97	1.007	0.170	/
				1	0	Back Side	2610	0.518	2.62	23.50	23.16	1.081	0.560	/
				50	0	Back Side	2610	0.441	2.84	22.00	21.97	1.007	0.444	/
				1	0	Left Side	2610	0.078	2.18	23.50	23.16	1.081	0.084	/
				50	0	Left Side	2610	0.068	-0.99	22.00	21.97	1.007	0.068	/
				1	0	Right Side	2610	0.059	2.97	23.50	23.16	1.081	0.064	/
				50	0	Right Side	2610	0.052	-1.32	22.00	21.97	1.007	0.052	/
				1	0	Bottom Side	2610	0.645	0.13	23.50	23.16	1.081	0.698	40
				50	0	Bottom Side	2610	0.547	1.24	22.00	21.97	1.007	0.551	/
LTE Band 41	20M	QPSK	OFF	1	0	Front side	2593	0.262	0.99	23.20	23.02	1.042	0.273	/
				50	0	Front side	2593	0.225	0.72	22.00	21.85	1.035	0.233	/
				1	0	Back Side	2593	0.699	-0.32	23.20	23.02	1.042	0.729	/
				50	0	Back Side	2593	0.593	-0.37	22.00	21.85	1.035	0.614	/
				1	0	Left Side	2593	0.108	0.05	23.20	23.02	1.042	0.113	/
				50	0	Left Side	2593	0.091	0.81	22.00	21.85	1.035	0.094	/



				1	0	Right Side	2593	0.082	1.36	23.20	23.02	1.042	0.085	/
				50	0	Right Side	2593	0.072	-3.13	22.00	21.85	1.035	0.075	/
				1	0	Bottom Side	2506	0.812	0.44	23.20	22.93	1.064	0.864	/
				1	0	Bottom Side	2593	0.871	0.53	23.20	23.02	1.042	0.908	41
				1	0	Bottom Side	2680	0.844	-1.27	23.20	22.98	1.052	0.888	/
				50	0	Bottom Side	2593	0.742	-2.35	22.00	21.85	1.035	0.768	/
LTE Band 66	20M	QPSK	ON	1	0	Front side	1770	0.183	2.63	21.50	21.07	1.104	0.202	/
				50	0	Front side	1745	0.159	-0.40	20.50	20.28	1.052	0.167	/
				1	0	Back Side	1770	0.485	-1.69	21.50	21.07	1.104	0.535	/
				50	0	Back Side	1745	0.415	2.21	20.50	20.28	1.052	0.437	/
				1	0	Left Side	1770	0.101	-0.62	21.50	21.07	1.104	0.112	/
				50	0	Left Side	1745	0.087	-1.91	20.50	20.28	1.052	0.092	/
				1	0	Bottom Side	1770	0.604	-3.53	21.50	21.07	1.104	0.667	42
				50	0	Bottom Side	1745	0.514	-2.92	20.50	20.28	1.052	0.541	/
LTE Band 14	10M	QPSK	OFF	1	0	Right Side	1720	0.171	-3.38	25.50	25.38	1.028	0.176	/
				50	0	Right Side	1770	0.146	-0.60	24.00	23.95	1.012	0.148	/
			OFF	1	0	Front side	793	0.224	-0.08	25.5	25.1	1.096	0.246	/
				25	0	Front side	793	0.189	-0.44	24	23.8	1.047	0.198	/
				1	0	Back Side	793	0.278	-3.39	25.5	25.1	1.096	0.305	70
				25	0	Back Side	793	0.238	-1.33	24	23.8	1.047	0.249	/
				1	0	Left Side	793	0.086	-3.51	25.5	25.1	1.096	0.094	/
				25	0	Left Side	793	0.075	0.55	24	23.8	1.047	0.079	/
				1	0	Right Side	793	0.055	-2.73	25.5	25.1	1.096	0.060	/
				25	0	Right Side	793	0.047	3.97	24	23.8	1.047	0.049	/
				1	0	Bottom Side	793	0.218	3.99	25.5	25.1	1.096	0.239	/
				25	0	Bottom Side	793	0.186	2.48	24	23.8	1.047	0.195	/

Note:

- The test separation of all above table Configure 1 back side is 0mm, other all side is 10mm.
- Per KDB 447498 D01, the reported SAR is the measured SAR value adjusted for maximum tune-up tolerance.
 - Tune-up scaling Factor = tune-up limit power (mW) / EUT RF power (mW), where tune-up limit is the maximum rated power among all production units.
 - Scaled SAR(W/kg) = Measured SAR(W/kg) *Tune-up Scaling Factor
- When the user enables the personal Wireless router functions for the handsets, actual operations include simultaneous transmission of both the Wi-Fi transmitting frequency and thus cannot be evaluated for SAR under actual use conditions. The "Portable Hotspot" feature on the handset was NOT activated, to ensure the SAR measurements were evaluated for a single transmission frequency RF signal.



13.2 Limbs SAR

Configuration 1

Band	Model	Power Sensor	Test Position	Freq.	SAR (10g) (W/kg)	Power Drift (%)	Max. Turn-up Power (dBm)	Meas. Output Power (dBm)	Scaling Factor	Scaled SAR (W/Kg)	Meas. No.
GSM850	voice	ON	Front Side	848.5	0.446	0.61	31.50	31.28	1.052	0.469	/
			Back Side	848.5	0.556	0.28	31.50	31.28	1.052	0.585	1
			Left Side	848.5	0.143	-0.73	31.50	31.28	1.052	0.150	/
			Bottom Side	848.5	0.436	0.47	31.50	31.28	1.052	0.459	/
		OFF	Right Side	848.8	0.306	1.68	35.00	34.69	1.074	0.329	/
			Top Side	848.8	0.052	-1.24	35.00	34.69	1.074	0.056	/
PCS 1900	voice	ON	Front Side	1880	0.057	3.07	26.50	26.28	1.052	0.060	/
			Back Side	1880	0.224	-1.89	26.50	26.28	1.052	0.236	2
			Left Side	1880	0.060	-2.95	26.50	26.28	1.052	0.063	/
			Bottom Side	1880	0.201	0.86	26.50	26.28	1.052	0.211	/
		OFF	Right Side	1880	0.078	-3.55	31.50	31.24	1.062	0.083	/
			Top Side	1880	0.020	-2.64	31.50	31.24	1.062	0.021	/
WCDMA Band II	RMC	ON	Front Side	1880	0.094	2.70	14.50	14.43	1.016	0.096	/
			Back Side	1880	0.361	2.90	14.50	14.43	1.016	0.367	3
			Left Side	1880	0.094	3.42	14.50	14.43	1.016	0.096	/
			Bottom Side	1880	0.329	2.24	14.50	14.43	1.016	0.334	/
		OFF	Right Side	1880	0.122	2.83	23.50	23.39	1.026	0.125	/
			Top Side	1880	0.020	-2.64	31.50	31.24	1.062	0.021	/
WCDMA Band IV	RMC	ON	Front Side	1712.6	0.086	2.28	15.00	14.78	1.052	0.090	/
			Back Side	1712.6	0.347	-1.16	15.00	14.78	1.052	0.365	4
			Left Side	1712.6	0.088	1.59	15.00	14.78	1.052	0.093	/
			Bottom Side	1712.6	0.069	2.47	15.00	14.78	1.052	0.073	/
		OFF	Right Side	1752.4	0.122	-2.52	24.00	23.59	1.099	0.134	/
			Top Side	1752.4	0.020	-2.64	31.50	31.24	1.062	0.021	/
WCDMA Band V	RMC	ON	Front Side	846.6	0.276	-1.76	22.80	22.58	1.052	0.290	/
			Back Side	846.6	0.624	0.06	22.80	22.58	1.052	0.656	5
			Left Side	846.6	0.204	-2.31	22.80	22.58	1.052	0.215	/
			Bottom Side	846.6	0.235	2.55	22.80	22.58	1.052	0.247	/
		OFF	Right Side	846.6	0.341	0.42	24.00	23.59	1.099	0.375	/
			Top Side	846.6	0.020	-2.64	31.50	31.24	1.062	0.021	/
2.4GHz WLAN	802.11b	/	Front Side	2462	0.098	-0.95	17.00	16.79	1.050	0.103	/
			Back Side	2462	0.278	-3.29	17.00	16.79	1.050	0.292	/
			Right Side	2462	0.499	1.52	17.00	16.79	1.050	0.524	43



5.2GHz WLAN	802.11a	/	Front Side	5180	0.225	1.77	10.50	10.48	1.005	0.226	/
			Back Side	5180	0.290	-3.29	10.50	10.48	1.005	0.291	/
			Right Side	5180	0.443	-2.49	10.50	10.48	1.005	0.445	44
5.3GHz WLAN	802.11ac- VHT20	/	Front Side	5260	0.152	1.45	9.50	9.42	1.019	0.155	/
			Back Side	5260	0.196	2.56	9.50	9.42	1.019	0.200	/
			Right Side	5260	0.297	0.93	9.50	9.42	1.019	0.303	45
5.6GHz WLAN	802.11ac- VHT20	/	Front Side	5700	0.122	-2.48	10.50	10.02	1.117	0.136	/
			Back Side	5700	0.157	3.33	10.50	10.02	1.117	0.175	/
			Right Side	5700	0.236	1.83	10.50	10.02	1.117	0.264	46
5.8GHz WLAN	802.11a	/	Front Side	5745	0.126	3.47	9.50	9.08	1.102	0.139	/
			Back Side	5745	0.163	3.11	9.50	9.08	1.102	0.180	/
			Right Side	5745	0.246	-1.38	9.50	9.08	1.102	0.271	47



Band	BW (MHz)	Mod.	Power sensor	RB Size	RB offset	Test Position	Freq.	Result 10g (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	ON	1	0	Front side	1900	0.109	1.31	16.00	15.83	1.040	0.113	/
				50	0	Front side	1900	0.092	-1.57	15.30	15.09	1.050	0.097	/
				1	0	Back Side	1900	0.435	-1.75	16.00	15.83	1.040	0.452	11
				50	0	Back Side	1900	0.373	-0.44	15.30	15.09	1.050	0.391	/
				1	0	Left Side	1900	0.098	-0.80	16.00	15.83	1.040	0.102	/
				50	0	Left Side	1900	0.083	0.08	15.30	15.09	1.050	0.087	/
				1	0	Bottom Side	1900	0.393	1.79	16.00	15.83	1.040	0.409	/
				50	0	Bottom Side	1900	0.337	-0.98	15.30	15.09	1.050	0.354	/
			OFF	1	0	Right Side	1880	0.153	2.93	24.50	24.32	1.042	0.159	/
				50	0	Right Side	1900	0.131	-2.65	23.00	22.94	1.014	0.133	/
LTE Band 4	20M	QPSK	ON	1	0	Front side	1720	0.096	0.25	16.00	15.76	1.057	0.101	/
				50	0	Front side	1745	0.081	3.24	15.00	14.90	1.023	0.083	/
				1	0	Back Side	1720	0.368	-0.40	16.00	15.76	1.057	0.389	12
				50	0	Back Side	1745	0.313	1.52	15.00	14.90	1.023	0.320	/
				1	0	Left Side	1720	0.083	2.52	16.00	15.76	1.057	0.088	/
				50	0	Left Side	1745	0.074	2.49	15.00	14.90	1.023	0.076	/
				1	0	Bottom Side	1720	0.335	-0.02	16.00	15.76	1.057	0.354	/
				50	0	Bottom Side	1745	0.285	-0.18	15.00	14.90	1.023	0.292	/
			OFF	1	0	Right Side	1720	0.128	-2.43	24.00	23.85	1.035	0.132	/
				50	0	Right Side	1720	0.111	-2.90	22.50	22.44	1.014	0.113	/
LTE Band 5	10M	QPSK	ON	1	0	Front side	836.5	0.368	-2.49	22.30	22.01	1.069	0.393	/
				25	0	Front side	844	0.315	-0.44	21.50	21.49	1.002	0.316	/
				1	0	Back Side	836.5	0.460	3.58	22.30	22.01	1.069	0.492	13
				25	0	Back Side	844	0.392	2.07	21.50	21.49	1.002	0.393	/
				1	0	Left Side	836.5	0.283	0.40	22.30	22.01	1.069	0.303	/
				25	0	Left Side	844	0.256	1.65	21.50	21.49	1.002	0.257	/
				1	0	Bottom Side	836.5	0.359	-0.96	22.30	22.01	1.069	0.384	/
				25	0	Bottom Side	844	0.305	2.90	21.50	21.49	1.002	0.306	/
			OFF	1	0	Right Side	844	0.252	3.89	24.50	24.20	1.072	0.270	/
				25	0	Right Side	844	0.217	-0.74	23.00	22.95	1.012	0.220	/



LTE Band 7	20M	QPSK	ON	1	0	Front side	2560	0.084	1.39	15.00	14.80	1.047	0.088	/
				50	0	Front side	2560	0.074	2.21	14.00	13.99	1.002	0.074	/
				1	0	Back Side	2560	0.319	-0.99	15.00	14.80	1.047	0.334	14
				50	0	Back Side	2560	0.273	2.68	14.00	13.99	1.002	0.274	/
				1	0	Left Side	2560	0.072	-1.71	15.00	14.80	1.047	0.075	/
				50	0	Left Side	2560	0.062	0.90	14.00	13.99	1.002	0.062	/
				1	0	Bottom Side	2560	0.288	0.53	15.00	14.80	1.047	0.302	/
				50	0	Bottom Side	2560	0.247	-0.53	14.00	13.99	1.002	0.248	/
			OFF	1	0	Right Side	2560	0.113	-1.57	23.50	23.30	1.047	0.118	/
				50	0	Right Side	2560	0.098	-1.24	22.50	22.07	1.104	0.108	/
LTE Band 12	10M	QPSK	OFF	1	0	Front side	711	0.121	2.28	23.80	23.51	1.069	0.129	/
				25	0	Front side	711	0.103	-2.80	22.50	22.31	1.045	0.108	/
				1	0	Back Side	711	0.575	-0.11	23.80	23.51	1.069	0.615	15
				25	0	Back Side	711	0.490	-1.83	22.50	22.31	1.045	0.512	/
				1	0	Left Side	711	0.149	-1.96	23.80	23.51	1.069	0.159	/
				25	0	Left Side	711	0.126	2.05	22.50	22.31	1.045	0.132	/
				1	0	Right Side	711	0.117	1.16	23.80	23.51	1.069	0.125	/
				25	0	Right Side	711	0.102	0.81	22.50	22.31	1.045	0.107	/
				1	0	Bottom Side	711	0.450	3.95	23.80	23.51	1.069	0.481	/
				25	0	Bottom Side	711	0.383	2.92	22.50	22.31	1.045	0.400	/
LTE Band 13	10M	QPSK	OFF	1	0	Front side	782	0.094	-1.77	24.00	23.98	1.005	0.094	/
				25	0	Front side	782	0.082	-1.41	23.00	22.62	1.091	0.089	/
				1	0	Back Side	782	0.283	2.59	24.00	23.98	1.005	0.284	16
				25	0	Back Side	782	0.241	-0.36	23.00	22.62	1.091	0.263	/
				1	0	Left Side	782	0.077	-0.63	24.00	23.98	1.005	0.077	/
				25	0	Left Side	782	0.063	1.92	23.00	22.62	1.091	0.069	/
				1	0	Right Side	782	0.060	3.88	24.00	23.98	1.005	0.060	/
				25	0	Right Side	782	0.051	1.48	23.00	22.62	1.091	0.056	/
				1	0	Bottom Side	782	0.222	-3.34	24.00	23.98	1.005	0.223	/
				25	0	Bottom Side	782	0.192	-3.83	23.00	22.62	1.091	0.210	/



LTE Band 25	20M	QPSK	ON	1	0	Front side	1882.5	0.104	-0.98	16.20	16.02	1.042	0.108	/
				50	0	Front side	1882.5	0.088	-3.46	15.50	15.11	1.094	0.096	/
				1	0	Back Side	1882.5	0.402	2.69	16.20	16.02	1.042	0.419	17
				50	0	Back Side	1882.5	0.343	3.39	15.50	15.11	1.094	0.375	/
				1	0	Left Side	1882.5	0.086	2.81	16.20	16.02	1.042	0.090	/
				50	0	Left Side	1882.5	0.071	0.32	15.50	15.11	1.094	0.078	/
				1	0	Bottom Side	1882.5	0.362	3.14	16.20	16.02	1.042	0.377	/
				50	0	Bottom Side	1882.5	0.307	-0.74	15.50	15.11	1.094	0.336	/
			OFF	1	0	Right Side	1860	0.140	1.17	24.50	24.01	1.119	0.157	/
				50	0	Right Side	1860	0.122	2.99	23.00	22.51	1.119	0.137	/
LTE Band 26	15M	QPSK	ON	1	0	Front side	831.5	0.375	2.26	22.50	22.28	1.052	0.394	/
				36	0	Front side	849	0.320	-2.76	21.50	21.48	1.005	0.321	/
				1	0	Back Side	831.5	0.464	-1.20	22.50	22.28	1.052	0.488	18
				36	0	Back Side	849	0.396	2.80	21.50	21.48	1.005	0.398	/
				1	0	Left Side	831.5	0.102	-1.41	22.50	22.28	1.052	0.107	/
				36	0	Left Side	849	0.086	3.40	21.50	21.48	1.005	0.086	/
				1	0	Bottom Side	831.5	0.362	-1.55	22.50	22.28	1.052	0.381	/
				36	0	Bottom Side	849	0.311	3.88	21.50	21.48	1.005	0.312	/
			OFF	1	0	Right Side	831.5	0.132	2.28	24.50	24.44	1.014	0.134	/
				36	0	Right Side	831.5	0.107	3.60	24.50	24.27	1.054	0.113	/
LTE Band 38	20M	QPSK	ON	1	0	Front side	2580	0.100	2.43	19.00	18.84	1.038	0.104	/
				50	0	Front side	2610	0.084	-0.25	18.50	18.19	1.074	0.090	/
				1	0	Back Side	2580	0.397	-2.18	19.00	18.84	1.038	0.412	19
				50	0	Back Side	2610	0.341	-3.40	18.50	18.19	1.074	0.366	/
				1	0	Left Side	2580	0.090	-0.45	19.00	18.84	1.038	0.093	/
				50	0	Left Side	2610	0.080	3.92	18.50	18.19	1.074	0.086	/
				1	0	Bottom Side	2580	0.360	-2.69	19.00	18.84	1.038	0.374	/
				50	0	Bottom Side	2610	0.308	0.93	18.50	18.19	1.074	0.331	/
			OFF	1	0	Right Side	2610	0.138	2.72	23.50	23.16	1.081	0.149	/
				50	0	Right Side	2610	0.119	1.15	22.00	21.97	1.007	0.120	/



LTE Band 41	20M	QPSK	ON	1	0	Front side	2680	0.081	-0.37	18.00	17.61	1.094	0.089	/
				50	0	Front side	2680	0.070	-3.63	17.50	17.13	1.089	0.076	/
				1	0	Back Side	2680	0.323	2.47	18.00	17.61	1.094	0.353	20
				50	0	Back Side	2680	0.278	-3.33	17.50	17.13	1.089	0.303	/
				1	0	Left Side	2680	0.140	3.79	18.00	17.61	1.094	0.153	/
				50	0	Left Side	2680	0.120	2.87	17.50	17.13	1.089	0.131	/
				1	0	Bottom Side	2680	0.291	0.93	18.00	17.61	1.094	0.318	/
				50	0	Bottom Side	2680	0.248	1.74	17.50	17.13	1.089	0.270	/
			OFF	1	0	Right Side	2593	0.112	2.11	23.20	23.02	1.042	0.117	/
				50	0	Right Side	2593	0.097	1.04	22.00	21.85	1.035	0.100	/
LTE Band 66	20M	QPSK	ON	1	0	Front side	1720	0.097	-0.94	16.00	15.82	1.042	0.101	/
				50	0	Front side	1770	0.081	-2.29	15.00	14.99	1.002	0.081	/
				1	0	Back Side	1720	0.381	-1.57	16.00	15.82	1.042	0.397	21
				50	0	Back Side	1770	0.324	-1.52	15.00	14.99	1.002	0.325	/
				1	0	Left Side	1720	0.165	-2.27	16.00	15.82	1.042	0.172	/
				50	0	Left Side	1770	0.140	0.69	15.00	14.99	1.002	0.140	/
				1	0	Bottom Side	1720	0.346	-0.85	16.00	15.82	1.042	0.361	/
				50	0	Bottom Side	1770	0.295	0.31	15.00	14.99	1.002	0.296	/
			OFF	1	0	Right Side	1720	0.132	1.46	25.50	25.38	1.028	0.136	/
				50	0	Right Side	1770	0.114	-1.50	24.00	23.95	1.012	0.115	/
LTE Band 14	10M	QPSK	OFF	1	0	Front side	793	0.257	-2.21	25.5	25.1	1.096	0.282	/
				25	0	Front side	793	0.222	3.92	24	23.8	1.047	0.232	/
				1	0	Back Side	793	0.321	-3.93	25.5	25.1	1.096	0.352	69
				25	0	Back Side	793	0.274	-3.95	24	23.8	1.047	0.287	/
				1	0	Left Side	793	0.086	1.33	25.5	25.1	1.096	0.094	/
				25	0	Left Side	793	0.074	2.46	24	23.8	1.047	0.077	/
				1	0	Right Side	793	0.067	1.27	25.5	25.1	1.096	0.073	/
				25	0	Right Side	793	0.059	3.31	24	23.8	1.047	0.062	/
				1	0	Bottom Side	793	0.253	-2.76	25.5	25.1	1.096	0.277	/
				25	0	Bottom Side	793	0.218	-0.86	24	23.8	1.047	0.228	/



Configuration 2

Band	Model	Power Sensor	Test Position	Freq.	SAR (10g) (W/kg)	Power Drift (%)	Max. Turn-up Power(dBm)	Meas. Output Power(dBm)	Scaling Factor	Scaled SAR (W/Kg)	Meas. No.
GSM850	voice	ON	Front Side	848.8	0.497	3.15	32.50	32.45	1.012	0.503	/
			Back Side	848.8	0.875	-3.27	32.50	32.45	1.012	0.885	48
			Left Side	848.8	0.263	-2.06	32.50	32.45	1.012	0.266	/
			Bottom Side	848.8	0.746	0.49	32.50	32.45	1.012	0.755	/
		OFF	Right Side	848.8	0.356	-0.26	35.00	34.69	1.074	0.382	/
			Top Side	848.8	0.081	-2.81	35.00	34.69	1.074	0.087	/
PCS 1900	voice	ON	Front Side	1880	0.474	-3.69	29.80	29.53	1.064	0.504	/
			Back Side	1880	1.180	-2.96	29.80	29.53	1.064	1.256	49
			Left Side	1880	0.273	-2.96	29.80	29.53	1.064	0.291	/
			Bottom Side	1880	1.178	1.37	29.80	29.53	1.064	1.254	/
		OFF	Right Side	1880	0.389	-2.39	31.50	31.24	1.062	0.413	/
			Top Side	1880	0.108	2.26	31.50	31.24	1.062	0.115	/
WCDMA Band II	RMC	ON	Front Side	1880	0.605	-3.32	21.00	20.52	1.117	0.676	/
			Back Side	1880	1.508	1.84	21.00	20.52	1.117	1.684	50
			Left Side	1880	0.347	-2.31	21.00	20.52	1.117	0.388	/
			Bottom Side	1880	1.424	3.49	21.00	20.52	1.117	1.590	/
		OFF	Right Side	1880	0.413	-3.00	23.50	23.39	1.026	0.424	/
			Top Side	1880	0.108	2.26	31.50	31.24	1.062	0.115	/
WCDMA Band IV	RMC	ON	Front Side	1712.6	0.821	0.64	21.00	20.83	1.040	0.854	/
			Back Side	1712.6	2.046	-1.91	21.00	20.83	1.040	2.128	51
			Back Side	1740	1.988	2.86	21.00	20.75	1.059	2.106	/
			Back Side	1752.4	1.957	-1.98	21.00	20.73	1.064	2.083	/
			Left Side	1712.6	0.450	-3.23	21.00	20.83	1.040	0.468	/
			Bottom Side	1712.6	1.549	-2.16	21.00	20.83	1.040	1.611	/
		OFF	Right Side	1752.4	0.580	2.65	24.00	23.59	1.099	0.637	/
			Top Side	1880	0.108	2.26	31.50	31.24	1.062	0.115	/
WCDMA Band V	RMC	OFF	Front Side	846.6	0.671	-0.30	24.00	23.59	1.099	0.737	/
			Back Side	846.6	1.033	1.03	24.00	23.59	1.099	1.135	52
			Left Side	846.6	0.413	3.95	24.00	23.59	1.099	0.454	/
			Right Side	846.6	0.469	-0.63	24.00	23.59	1.099	0.515	/
			Bottom Side	846.6	0.880	-0.29	24.00	23.59	1.099	0.967	/



2.4GHz WLAN	802.11b	/	Front Side	2462	0.280	3.15	17.00	16.79	1.050	0.294	/
			Back Side	2462	0.365	-2.60	17.00	16.79	1.050	0.383	/
			Right Side	2462	0.558	3.59	17.00	16.79	1.050	0.586	53
5.2GHz WLAN	802.11a	/	Front Side	5180	0.271	1.23	10.50	10.48	1.005	0.272	/
			Back Side	5180	0.353	1.88	10.50	10.48	1.005	0.355	/
			Right Side	5180	0.538	0.54	10.50	10.48	1.005	0.540	54
5.3GHz WLAN	802.11ac- VHT20	/	Front Side	5260	0.243	-2.13	9.50	9.42	1.019	0.248	/
			Back Side	5260	0.314	-0.52	9.50	9.42	1.019	0.320	/
			Right Side	5260	0.482	-1.49	9.50	9.42	1.019	0.491	55
5.6GHz WLAN	802.11ac- VHT20	/	Front Side	5700	0.172	1.56	10.50	10.02	1.117	0.192	/
			Back Side	5700	0.227	-2.11	10.50	10.02	1.117	0.254	/
			Right Side	5700	0.343	2.19	10.50	10.02	1.117	0.383	56
5.8GHz WLAN	802.11a	/	Front Side	5745	0.172	-3.92	9.50	9.08	1.102	0.189	/
			Back Side	5745	0.224	-2.65	9.50	9.08	1.102	0.247	/
			Right Side	5745	0.341	3.52	9.50	9.08	1.102	0.376	57



Band	BW (MHz)	Mod.	Power sensor	RB Size	RB offset	Test Position	Freq.	Result 10g (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	ON	1	0	Front side	1880	0.422	0.33	22.00	21.50	1.122	0.473	/
				50	0	Front side	1900	0.358	3.73	21.00	20.79	1.050	0.376	/
				1	0	Back Side	1880	1.658	1.33	22.00	21.50	1.122	1.860	58
				50	0	Back Side	1900	1.412	1.67	21.00	20.79	1.050	1.482	/
				1	0	Left Side	1880	0.385	0.38	22.00	21.50	1.122	0.432	/
				50	0	Left Side	1900	0.330	2.91	21.00	20.79	1.050	0.346	/
				1	0	Bottom Side	1880	0.686	-2.88	22.00	21.50	1.122	0.770	/
				50	0	Bottom Side	1900	0.582	3.98	21.00	20.79	1.050	0.611	/
			OFF	1	0	Right Side	1880	0.462	1.26	24.50	24.32	1.042	0.482	/
				50	0	Right Side	1900	0.411	2.39	23.00	22.94	1.014	0.417	/
LTE Band 4	20M	QPSK	ON	1	0	Front side	1720	0.816	2.10	21.50	21.08	1.102	0.899	/
				50	0	Front side	1720	0.695	-3.04	20.50	20.34	1.038	0.721	/
				1	0	Back Side	1720	1.624	-3.71	21.50	21.08	1.102	1.789	59
				50	0	Back Side	1720	1.383	3.70	20.50	20.34	1.038	1.435	/
				1	0	Left Side	1720	0.378	1.00	21.50	21.08	1.102	0.416	/
				50	0	Left Side	1720	0.321	1.17	20.50	20.34	1.038	0.333	/
				1	0	Bottom Side	1720	1.292	-1.35	21.50	21.08	1.102	1.423	/
				50	0	Bottom Side	1720	1.101	-2.66	20.50	20.34	1.038	1.142	/
			OFF	1	0	Right Side	1720	0.453	-3.31	24.00	23.85	1.035	0.469	/
				50	0	Right Side	1720	0.391	1.61	22.50	22.44	1.014	0.396	/
LTE Band 5	10M	QPSK	OFF	1	0	Front side	844	0.909	-0.18	24.50	24.20	1.072	0.974	/
				25	0	Front side	844	0.774	3.28	23.00	22.95	1.012	0.783	/
				1	0	Back Side	844	1.292	-3.63	24.50	24.20	1.072	1.384	60
				25	0	Back Side	844	1.101	1.89	23.00	22.95	1.012	1.114	/
				1	0	Left Side	844	0.52	-2.38	24.50	24.20	1.072	0.557	/
				25	0	Left Side	844	0.444	-2.68	23.00	22.95	1.012	0.449	/
				1	0	Right Side	844	0.586	-2.50	24.50	24.20	1.072	0.628	/
				25	0	Right Side	844	0.498	1.20	23.00	22.95	1.012	0.504	/
				1	0	Bottom Side	844	1.098	-1.34	24.50	24.20	1.072	1.177	/
				25	0	Bottom Side	844	0.933	2.18	23.00	22.95	1.012	0.944	/



LTE Band 7	20M	QPSK	ON	1	0	Front side	2560	1.164	3.21	21.30	21.03	1.064	1.239	/
				50	0	Front side	2560	0.990	3.89	20.30	20.12	1.042	1.032	/
				1	0	Back Side	2510	2.004	-0.74	21.30	20.44	1.219	2.443	/
				1	0	Back Side	2535	2.097	-1.84	21.30	20.62	1.169	2.452	/
				1	0	Back Side	2560	2.32	-3.95	21.30	21.03	1.064	2.469	61
				50	0	Back Side	2510	1.809	-3.25	20.30	19.77	1.130	2.044	/
				50	0	Back Side	2535	1.923	-3.91	20.30	20.05	1.059	2.037	/
				50	0	Back Side	2560	1.971	-1.74	20.30	20.12	1.042	2.054	/
				100	0	Back Side	2560	1.820	-1.57	20.20	20.00	1.047	1.906	/
				1	0	Left Side	2560	0.537	3.26	21.30	21.03	1.064	0.571	/
				50	0	Left Side	2560	0.457	-0.62	20.30	20.12	1.042	0.476	/
				1	0	Bottom Side	2560	1.352	-2.29	21.30	21.03	1.064	1.439	/
				50	0	Bottom Side	2560	1.149	-2.45	20.30	20.12	1.042	1.198	/
			OFF	1	0	Right Side	2560	0.683	2.80	23.50	23.30	1.047	0.715	/
				50	0	Right Side	2560	0.579	3.59	22.50	22.07	1.104	0.639	/
LTE Band 12	10M	QPSK	OFF	1	0	Front side	711	0.71	-2.46	23.80	23.51	1.069	0.759	/
				25	0	Front side	711	0.605	-2.08	22.50	22.31	1.045	0.632	/
				1	0	Back Side	711	1.091	-1.14	23.80	23.51	1.069	1.166	62
				25	0	Back Side	711	0.926	0.93	22.50	22.31	1.045	0.967	/
				1	0	Left Side	711	0.439	-1.73	23.80	23.51	1.069	0.469	/
				25	0	Left Side	711	0.375	-2.56	22.50	22.31	1.045	0.392	/
				1	0	Right Side	711	0.495	-1.96	23.80	23.51	1.069	0.529	/
				25	0	Right Side	711	0.423	-1.05	22.50	22.31	1.045	0.442	/
				1	0	Bottom Side	711	0.93	1.35	23.80	23.51	1.069	0.994	/
				25	0	Bottom Side	711	0.793	3.20	22.50	22.31	1.045	0.828	/



LTE Band 13	10M	QPSK	OFF	1	0	Front side	782	0.354	-3.46	24.00	23.98	1.005	0.356	/
				25	0	Front side	782	0.301	1.56	23.00	22.62	1.091	0.329	/
				1	0	Back Side	782	0.542	-2.68	24.00	23.98	1.005	0.545	63
				25	0	Back Side	782	0.461	2.91	23.00	22.62	1.091	0.503	/
				1	0	Left Side	782	0.217	-2.94	24.00	23.98	1.005	0.218	/
				25	0	Left Side	782	0.184	0.92	23.00	22.62	1.091	0.201	/
				1	0	Right Side	782	0.244	1.76	24.00	23.98	1.005	0.245	/
				25	0	Right Side	782	0.209	2.77	23.00	22.62	1.091	0.228	/
				1	0	Bottom Side	782	0.463	-1.06	24.00	23.98	1.005	0.465	/
				25	0	Bottom Side	782	0.396	2.96	23.00	22.62	1.091	0.432	/
LTE Band 25	20M	QPSK	ON	1	0	Front side	1882.5	0.823	3.46	22.00	21.58	1.102	0.907	/
				50	0	Front side	1905	0.701	-3.41	21.00	20.78	1.052	0.737	/
				1	0	Back Side	1882.5	1.642	0.67	22.00	21.58	1.102	1.809	64
				50	0	Back Side	1905	1.396	1.07	21.00	20.78	1.052	1.469	/
				1	0	Left Side	1882.5	0.380	1.86	22.00	21.58	1.102	0.419	/
				50	0	Left Side	1905	0.325	-0.54	21.00	20.78	1.052	0.342	/
				1	0	Bottom Side	1882.5	1.533	0.64	22.00	21.58	1.102	1.689	/
				50	0	Bottom Side	1905	1.304	2.56	21.00	20.78	1.052	1.372	/
			OFF	1	0	Right Side	1860	0.472	0.34	24.50	24.01	1.119	0.528	/
				50	0	Right Side	1860	0.410	0.54	23.00	22.51	1.119	0.459	/
LTE Band 26	15M	QPSK	OFF	1	0	Front side	831.5	0.871	1.45	24.50	24.44	1.014	0.883	/
				36	0	Front side	831.5	0.743	0.83	24.50	24.27	1.054	0.783	/
				1	0	Back Side	831.5	1.34	0.95	24.50	24.44	1.014	1.359	65
				36	0	Back Side	831.5	1.139	-1.50	24.50	24.27	1.054	1.201	/
				1	0	Left Side	831.5	0.54	0.18	24.50	24.44	1.014	0.548	/
				36	0	Left Side	831.5	0.462	0.50	24.50	24.27	1.054	0.487	/
				1	0	Right Side	831.5	0.605	-2.09	24.50	24.44	1.014	0.613	/
				36	0	Right Side	831.5	0.518	-1.28	24.50	24.27	1.054	0.546	/
				1	0	Bottom Side	831.5	1.143	2.67	24.50	24.44	1.014	1.159	/
				36	0	Bottom Side	831.5	0.971	-1.98	24.50	24.27	1.054	1.024	/



LTE Band 38	20M	QPSK	OFF	1	0	Front side	2610	1.228	-3.95	23.50	23.16	1.081	1.328	/
				50	0	Front side	2610	1.045	3.74	22.00	21.97	1.007	1.052	/
				1	0	Back Side	2580	2.29	1.77	23.50	22.97	1.130	2.587	/
				1	0	Back Side	2595	2.341	0.38	23.50	23.03	1.114	2.609	/
				1	0	Back Side	2610	2.447	1.24	23.50	23.16	1.081	2.646	66
				50	0	Back Side	2580	1.943	2.55	22.00	21.91	1.021	1.984	/
				50	0	Back Side	2595	2.016	-0.02	22.00	21.94	1.014	2.044	/
				50	0	Back Side	2610	2.082	3.88	22.00	21.97	1.007	2.096	/
				100	0	Back Side	2610	1.941	-3.79	22.00	21.91	1.021	1.982	/
				1	0	Left Side	2610	0.782	-2.93	23.50	23.16	1.081	0.846	/
				50	0	Left Side	2610	0.715	-0.64	22.00	21.97	1.007	0.720	/
				1	0	Right Side	2610	0.72	1.18	23.50	23.16	1.081	0.779	/
				50	0	Right Side	2610	0.671	-1.42	22.00	21.97	1.007	0.676	/
				1	0	Bottom Side	2610	1.579	-1.96	23.50	23.16	1.081	1.708	/
				50	0	Bottom Side	2610	1.344	-2.47	22.00	21.97	1.007	1.353	/
LTE Band 41	20M	QPSK	OFF	1	0	Front side	2593	1.52	3.01	23.20	23.02	1.042	1.584	/
				50	0	Front side	2593	1.292	3.38	22.00	21.85	1.035	1.337	/
				1	0	Back Side	2506	2.846	3.48	23.20	22.93	1.064	3.029	/
				1	0	Back Side	2593	3.039	0.06	23.20	23.02	1.042	3.168	67
				1	0	Back Side	2680	2.967	0.44	23.20	22.98	1.052	3.121	/
				50	0	Back Side	2506	2.403	3.04	22.00	21.72	1.067	2.563	/
				50	0	Back Side	2593	2.585	-1.83	22.00	21.85	1.035	2.676	/
				50	0	Back Side	2680	2.496	3.13	22.00	21.78	1.052	2.626	/
				100	0	Back Side	2506	1.968	0.49	22.00	21.57	1.104	2.173	/
				100	0	Back Side	2593	2.201	0.47	22.00	21.84	1.038	2.284	/
				100	0	Back Side	2680	2.077	-3.46	22.00	21.70	1.072	2.226	/
				1	0	Left Side	2593	0.748	3.48	23.20	23.02	1.042	0.780	/
				50	0	Left Side	2593	0.695	3.58	22.00	21.85	1.035	0.719	/
				1	0	Right Side	2593	0.661	-3.46	23.20	23.02	1.042	0.689	/
				50	0	Right Side	2593	0.608	2.48	22.00	21.85	1.035	0.629	/
				1	0	Bottom Side	2506	1.822	0.26	23.20	22.93	1.064	1.939	/
				1	0	Bottom Side	2593	1.976	-1.15	23.20	23.02	1.042	2.060	/
				1	0	Bottom Side	2680	1.879	2.92	23.20	22.98	1.052	1.977	/



				50	0	Bottom Side	2593	1.682	2.99	22.00	21.85	1.035	1.741	/
LTE Band 66	20M	QPSK	ON	1	0	Front side	1770	0.916	2.06	21.50	21.07	1.104	1.011	/
				50	0	Front side	1745	0.781	-2.35	20.50	20.28	1.052	0.822	/
				1	0	Back Side	1720	1.699	-2.55	21.50	20.84	1.164	1.978	/
				1	0	Back Side	1745	1.625	-0.03	21.50	20.75	1.189	1.931	/
				1	0	Back Side	1770	1.833	-0.78	21.50	21.07	1.104	2.024	68
				50	0	Back Side	1745	1.559	3.64	20.50	20.28	1.052	1.640	/
				1	0	Left Side	1770	0.334	3.52	21.50	21.07	1.104	0.369	/
				50	0	Left Side	1745	0.286	-0.76	20.50	20.28	1.052	0.301	/
				1	0	Bottom Side	1770	1.282	-1.78	21.50	21.07	1.104	1.415	/
				50	0	Bottom Side	1745	1.090	-0.46	20.50	20.28	1.052	1.147	/
			OFF	1	0	Right Side	1720	0.332	0.18	25.50	25.38	1.028	0.341	/
				50	0	Right Side	1770	0.283	-3.42	24.00	23.95	1.012	0.286	/
LTE Band 14	10M	QPSK	OFF	1	0	Front side	793	0.317	2.72	25.5	25.1	1.096	0.348	/
				25	0	Front side	793	0.269	-0.78	24	23.8	1.047	0.282	/
				1	0	Back Side	793	0.396	2.60	25.5	25.1	1.096	0.434	71
				25	0	Back Side	793	0.337	-3.61	24	23.8	1.047	0.353	/
				1	0	Left Side	793	0.119	2.22	25.5	25.1	1.096	0.130	/
				25	0	Left Side	793	0.103	1.23	24	23.8	1.047	0.108	/
				1	0	Right Side	793	0.079	3.18	25.5	25.1	1.096	0.087	/
				25	0	Right Side	793	0.067	-3.94	24	23.8	1.047	0.070	/
				1	0	Bottom Side	793	0.311	-1.71	25.5	25.1	1.096	0.341	/
				25	0	Bottom Side	793	0.264	-3.85	24	23.8	1.047	0.276	/

Note:

- The test separation of all above table is 0mm.
- Per KDB 447498 D01, the reported SAR is the measured SAR value adjusted for maximum tune-up tolerance.
 - Tune-up scaling Factor = tune-up limit power (mW) / EUT RF power (mW), where tune-up limit is the maximum rated power among all production units.
 - Scaled SAR(W/kg) = Measured SAR(W/kg) *Tune-up Scaling Factor
- When the user enables the personal Wireless router functions for the handsets, actual operations include simultaneous transmission of both the Wi-Fi transmitting frequency and thus cannot be evaluated for SAR under actual use conditions. The "Portable Hotspot" feature on the handset was NOT activated, to ensure the SAR measurements were evaluated for a single transmission frequency RF signal.



13.3 Repeated SAR

Configuration 1

Band	Mode	Test Position	Freq.	Result 1g (W/Kg)	Power Drift(%)	Max.Turn-up Power(dBm)	Meas.Output Power(dBm)	Scaling Factor	Scaled SAR (W/Kg)
GSM 850	voice	Back Side	824.2	0.757	0.37	31.50	31.03	1.114	0.844
		Back Side	836.6	0.704	-0.04	31.50	30.94	1.138	0.801
		Back Side	848.5	0.854	-1.07	31.50	31.28	1.052	0.898
WCDMA Band V	RMC	Back Side	826.4	0.891	1.47	22.80	22.48	1.076	0.959
		Back Side	836.4	0.898	1.78	22.80	22.51	1.069	0.960
		Back Side	846.6	0.949	-3.33	22.80	22.58	1.052	0.998

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)
LTE Band 38	20M	QPSK	1	0	Back Side	1860	0.724	-0.13	16.00	15.39	1.151	0.833
			1	0	Back Side	1880	0.684	-0.27	16.00	15.26	1.186	0.811
			1	0	Back Side	1900	0.838	2.21	16.00	15.83	1.040	0.871
LTE Band 12	10M	QPSK	1	0	Back Side	704	0.931	-2.33	23.80	23.39	1.099	1.023
			1	0	Back Side	707.5	0.900	-3.90	23.80	23.33	1.114	1.003
			1	0	Back Side	711	0.995	2.73	23.80	23.51	1.069	1.064
			25	0	Back Side	704	0.791	1.26	22.50	22.21	1.069	0.846
			25	0	Back Side	707.5	0.828	-2.06	22.50	22.22	1.067	0.883
			25	0	Back Side	711	0.837	3.72	22.50	22.31	1.045	0.874
			50	0	Back Side	711	0.716	2.98	22.50	22.28	1.052	0.753
			1	0	Bottom Side	711	0.789	-2.88	23.80	23.51	1.069	0.843
LTE Band 25	20M	QPSK	1	0	Back Side	1860	0.737	3.74	16.20	16.02	1.042	0.768
LTE Band 38	20M	QPSK	1	0	Back Side	2580	0.858	-3.09	19.00	18.84	1.038	0.890
			1	0	Back Side	2595	0.800	-1.53	19.00	18.60	1.096	0.877
			1	0	Back Side	2610	0.782	3.76	19.00	18.61	1.094	0.855
			1	0	Bottom Side	2580	0.787	1.58	19.00	18.84	1.038	0.817
			1	0	Bottom Side	2595	0.721	-0.42	19.00	18.60	1.096	0.791
			1	0	Bottom Side	2610	0.709	2.76	19.00	18.61	1.094	0.776



Configuration 2

Band	Mode	Test Position	Freq.	Result 1g (W/Kg)	Power Drift(%)	Max.Turn-up Power(dBm)	Meas.Output Power (dBm)	Scaling Factor	Scaled SAR (W/Kg)
Band PCS 1900	Mode voice	Bottom Side	1850.2	0.794	3.94	29.80	29.15	1.161	0.922
		Bottom Side	1880	0.908	-2.14	29.80	29.53	1.064	0.966
		Bottom Side	1909.8	0.828	3.48	29.80	29.25	1.135	0.940

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)
LTE Band 41	20M	QPSK	1	0	Bottom Side	2506	0.805	-0.05	23.20	22.93	1.064	0.857
			1	0	Bottom Side	2593	0.868	1.90	23.20	23.02	1.042	0.904
			1	0	Bottom Side	2680	0.839	0.80	23.20	22.98	1.052	0.883

Band	Mode	Test Position	Ch.	Result 10g (W/Kg)	Power Drift(%)	Max.Turn-up Power(dBm)	Meas.Output Power(dBm)	Scaling Factor	Scaled SAR (W/Kg)
WCDMA Band IV	voice	Back Side	1712.6	1.976	-2.06	21.00	20.83	1.040	2.055
		Back Side	1740	1.966	-1.33	21.00	20.75	1.059	2.082
		Back Side	1752.4	1.884	-1.50	21.00	20.73	1.064	2.005

Band	BW (MHz)	Mod.	RB Size	RB offset	Test Position	Freq.	Result 10g (W/Kg)	Power Drift(%)	Max.Turn-up Power (dBm)	Meas.Output Power (dBm)	Scaling Factor	Scaled SAR (W/Kg)
LTE Band 7	20M	QPSK	1	0	Back Side	2510	1.965	-0.70	21.30	20.44	1.219	2.395
			1	0	Back Side	2535	2.065	3.99	21.30	20.62	1.169	2.415
			1	0	Back Side	2560	2.234	2.68	21.30	21.03	1.064	2.378
			50	0	Back Side	2510	1.763	2.09	20.30	19.77	1.130	1.992
			50	0	Back Side	2535	1.863	-3.17	20.30	20.05	1.059	1.973
			50	0	Back Side	2560	1.961	1.76	20.30	20.12	1.042	2.044
LTE Band 38	20M	QPSK	1	0	Back Side	2580	2.196	-3.53	23.50	22.97	1.130	2.481
			1	0	Back Side	2595	2.246	-1.00	23.50	23.03	1.114	2.502
			1	0	Back Side	2610	2.396	-2.69	23.50	23.16	1.081	2.591
			50	0	Back Side	2595	1.943	2.61	22.00	21.94	1.014	1.970
			50	0	Back Side	2610	1.987	3.97	22.00	21.97	1.007	2.001



LTE Band 41	20M	QPSK	1	0	Back Side	2506	2.837	-0.76	23.20	22.93	1.064	3.019
			1	0	Back Side	2593	0.698	3.32	23.20	23.02	1.042	0.728
			1	0	Back Side	2680	0.674	1.23	23.20	22.98	1.052	0.709
			50	0	Back Side	2506	0.760	2.76	22.00	21.72	1.067	0.811
			50	0	Back Side	2593	0.651	1.72	22.00	21.85	1.035	0.674
			50	0	Back Side	2680	0.622	-2.43	22.00	21.78	1.052	0.654
			100	0	Back Side	2506	0.698	1.04	22.00	21.57	1.104	0.771
			100	0	Back Side	2593	0.674	-0.45	22.00	21.84	1.038	0.699
			100	0	Back Side	2680	0.760	-2.94	22.00	21.70	1.072	0.814
			1	0	Bottom Side	2593	0.651	1.25	23.20	23.02	1.042	0.679
LTE Band 66	20M	QPSK	1	0	Back Side	1720	1.664	2.64	21.50	20.84	1.164	1.937
			1	0	Back Side	1745	0.698	0.94	21.50	20.75	1.189	0.830
			1	0	Back Side	1770	0.674	3.79	21.50	21.07	1.104	0.744



13.4 Repeated SAR measurement

Configuration 1

Band	Mode	Test Position	Freq.	Original Measured SAR 1g(W/kg)	1 st Repeated SAR 1g	Ratio
GSM 850	voice	Back Side	824.2	0.782	0.757	1.033
		Back Side	836.6	0.721	0.704	1.025
		Back Side	848.5	0.865	0.854	1.012
WCDMA Band V	RMC	Back Side	826.4	0.896	0.891	1.006
		Back Side	836.4	0.921	0.898	1.025
		Back Side	846.6	0.957	0.949	1.008

Band	BW (MHz)	Mod.	RB Size	RB offset	Test Position	Freq.	Original Measured SAR 1g(W/kg)	1 st Repeated SAR 1g	Ratio
LTE Band 2	20M	QPSK	1	0	Back Side	1860	0.756	0.724	1.045
			1	0	Back Side	1880	0.712	0.684	1.041
			1	0	Back Side	1900	0.863	0.838	1.029
LTE Band 12	10M	QPSK	1	0	Back Side	704	0.957	0.931	1.028
			1	0	Back Side	707.5	0.936	0.900	1.040
			1	0	Back Side	711	1.012	0.995	1.017
			25	0	Back Side	704	0.801	0.791	1.013
			25	0	Back Side	707.5	0.830	0.828	1.002
			25	0	Back Side	711	0.864	0.837	1.032
			50	0	Back Side	711	0.752	0.716	1.050
			1	0	Bottom Side	711	0.792	0.789	1.004
LTE Band 25	20M	QPSK	1	0	Back Side	1860	0.756	0.737	1.026
LTE Band 38	20M	QPSK	1	0	Back Side	2580	0.871	0.858	1.015
			1	0	Back Side	2595	0.805	0.800	1.006
			1	0	Back Side	2610	0.783	0.782	1.001
			1	0	Bottom Side	2580	0.788	0.787	1.002
			1	0	Bottom Side	2595	0.732	0.721	1.015
			1	0	Bottom Side	2610	0.718	0.709	1.012



Configuration 2

Band	Mode	Test Position	Ch.	Original Measured SAR 1g(W/kg)	1 st Repeated SAR 1g	Ratio
PCS 1900	voice	Bottom Side	1850.2	0.813	0.794	1.024
		Bottom Side	1880	0.943	0.908	1.038
		Bottom Side	1909.8	0.856	0.828	1.034

Band	BW (MHz)	Mod.	RB Size	RB offset	Test Position	Freq.	Original Measured SAR 1g (W/Kg)	1 st Repeated SAR 1g	Ratio
LTE Band 41	20M	QPSK	1	0	Bottom Side	2506	0.812	0.805	1.008
			1	0	Bottom Side	2593	0.871	0.868	1.004
			1	0	Bottom Side	2680	0.844	0.839	1.006

Band	Mode	Test Position	Ch.	Original Measured SAR 10g(W/kg)	1 st Repeated SAR 10g	Ratio
WCDMA Band IV	voice	Back Side	1712.6	2.046	1.976	1.035
		Back Side	1740	1.988	1.966	1.011
		Back Side	1752.4	1.957	1.884	1.039

Band	BW (MHz)	Mod.	RB Size	RB offset	Test Position	Freq.	Original Measured SAR 10g (W/Kg)	1 st Repeated SAR 10g	Ratio
LTE Band 7	20M	QPSK	1	0	Back Side	2510	2.004	1.965	1.020
			1	0	Back Side	2535	2.097	2.065	1.016
			1	0	Back Side	2560	2.32	2.234	1.038
			50	0	Back Side	2510	1.809	1.763	1.026
			50	0	Back Side	2535	1.923	1.863	1.032
			50	0	Back Side	2560	1.971	1.961	1.005
LTE Band 38	20M	QPSK	1	0	Back Side	2580	2.29	2.196	1.043
			1	0	Back Side	2595	2.341	2.246	1.042
			1	0	Back Side	2610	2.447	2.396	1.021
			50	0	Back Side	2595	2.016	1.943	1.037
			50	0	Back Side	2610	2.082	1.987	1.048
LTE Band 41	20M	QPSK	1	0	Back Side	2506	2.846	2.722	1.046
			1	0	Back Side	2593	3.039	2.915	1.043
			1	0	Back Side	2680	2.967	2.842	1.044
			50	0	Back Side	2506	2.403	2.361	1.018
			50	0	Back Side	2593	2.585	2.502	1.033
			50	0	Back Side	2680	2.496	2.481	1.006



			100	0	Back Side	2506	1.968	1.879	1.047
			100	0	Back Side	2593	2.201	2.132	1.033
			100	0	Back Side	2680	2.077	2.000	1.039
			1	0	Bottom Side	2593	1.976	1.974	1.001
LTE Band 66	20M	QPSK	1	0	Back Side	1720	1.699	1.666	1.020
			1	0	Back Side	1745	1.625	1.546	1.051
			1	0	Back Side	1770	1.833	1.801	1.018

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.



13.5 Simultaneous Multi-band Transmission Evaluation

Application Simultaneous Transmission information:

Position	Simultaneous State
Body	1. GSM + 2.4GHz WLAN/5G WLAN+NFC
	2. GSM + Bluetooth+NFC
	3. WCDMA + 2.4GHz WLAN/5G WLAN+NFC
	4. WCDMA + Bluetooth+NFC
	5. LTE + 2.4GHz WLAN/5G WLAN+NFC
	6. LTE + Bluetooth+NFC
Limbs	1. GSM + 2.4GHz WLAN/5G WLAN+NFC
	2. GSM + Bluetooth+NFC
	3. WCDMA + 2.4GHz WLAN/5G WLAN+NFC
	4. WCDMA + Bluetooth+NFC
	5. LTE + 2.4GHz WLAN/5G WLAN+NFC
	6. LTE + Bluetooth+NFC

NOTE:

1. Bluetooth and WLAN can't simultaneous transmission at the same time.
2. For simultaneous transmission at head and body exposure position, 2 transmitters simultaneous transmission was the worst state.
3. If the test separation distance is <5mm, 5mm is used for excluded SAR calculation.
4. KDB 447498 / 4.3.2 (2) when standalone SAR test exclusion applies to an antenna that transmits simultaneously with other antennas, the standalone SAR must be estimated according to following to determine simultaneous transmission SAR test exclusion:
 - a) (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			
BT	Body	4.5	2.818	5	2.441	0.117
NFC	Body	-42	0.000063	5	0.01356	0.0000002

Estimated SAR		Maximum Turn-up Power		Antenna to user(mm)	Frequency(GHz)	Stand Alone SAR(10g) [W/kg]
		dBm	mW			
BT	Limbs	4.5	2.818	5	2.441	0.048
NFC	Limbs	-42	0.000063	5	0.01356	0.0000001



Simultaneous Mode	Position	Configure	Mode	Max. 1-g SAR	1-g Sum SAR
				(W/kg)	(W/kg)
GSM + 2.4G WLAN + NFC	Body	Configure 1	GSM	0.910	1.203
			NFC	0.0000002	
			2.4G WLAN	0.293	
	Body	Configure 2	GSM	1.003	1.303
			NFC	0.0000002	
			2.4G WLAN	0.300	
GSM + Bluetooth+ NFC	Body	Configure 1	GSM	0.910	1.027
			NFC	0.0000002	
			BT	0.117	
	Body	Configure 2	GSM	1.003	1.120
			NFC	0.0000002	
			BT	0.117	
GSM + 5G WLAN+ NFC	Body	Configure 1	GSM	0.910	1.309
			NFC	0.0000002	
			5G WLAN	0.399	
	Body	Configure 2	GSM	1.003	1.502
			NFC	0.0000002	
			5G WLAN	0.499	
WCDMA + 2.4G WLAN + NFC	Body	Configure 1	WCDMA	1.007	1.300
			NFC	0.0000002	
			2.4G WLAN	0.293	
	Body	Configure 2	WCDMA	0.646	0.946
			NFC	0.0000002	
			2.4G WLAN	0.300	
WCDMA + Bluetooth+ NFC	Body	Configure 1	WCDMA	1.007	1.124
			NFC	0.0000002	
			BT	0.117	
	Body	Configure 2	WCDMA	0.646	0.763
			NFC	0.0000002	
			BT	0.117	
WCDMA + 5G WLAN+ NFC	Body	Configure 1	WCDMA	1.007	1.406
			NFC	0.0000002	
			5G WLAN	0.399	
	Body	Configure 2	WCDMA	0.646	1.145
			NFC	0.0000002	
			5G WLAN	0.499	
LTE + 2.4G WLAN + NFC	Body	Configure 1	LTE	1.082	1.375
			NFC	0.0000002	
			2.4G WLAN	0.293	
	Body	Configure 2	LTE	0.908	1.208
			NFC	0.0000002	
			2.4G WLAN	0.300	



LTE + Bluetooth+ NFC	Body	Configure 1	LTE	1.082	1.199
			NFC	0.0000002	
			BT	0.117	
	Body	Configure 2	LTE	0.908	1.025
			NFC	0.0000002	
			BT	0.117	
LTE + 5G WLAN+ NFC	Body	Configure 1	LTE	1.082	1.481
			NFC	0.0000002	
			5G WLAN	0.399	
	Body	Configure 2	LTE	0.908	1.407
			NFC	0.0000002	
			5G WLAN	0.499	

Simultaneous Mode	Position	Configure	Mode	Max. 10-g SAR	10-g Sum SAR
				(W/kg)	(W/kg)
GSM + 2.4G WLAN + NFC	Limbs	Configure 1	GSM	0.585	1.109
			NFC	0.0000001	
			2.4G WLAN	0.524	
	Limbs	Configure 2	GSM	1.256	1.842
			NFC	0.0000001	
			2.4G WLAN	0.586	
GSM + Bluetooth+ NFC	Limbs	Configure 1	GSM	0.585	0.633
			NFC	0.0000001	
			BT	0.048	
	Limbs	Configure 2	GSM	1.256	1.304
			NFC	0.0000001	
			BT	0.048	
GSM + 5G WLAN+ NFC	Limbs	Configure 1	GSM	0.585	1.030
			NFC	0.0000001	
			5G WLAN	0.445	
	Limbs	Configure 2	GSM	1.256	1.796
			NFC	0.0000001	
			5G WLAN	0.540	
WCDMA + 2.4G WLAN + NFC	Limbs	Configure 1	WCDMA	0.656	1.180
			NFC	0.0000001	
			2.4G WLAN	0.524	
	Limbs	Configure 2	WCDMA	2.128	2.714
			NFC	0.0000001	
			2.4G WLAN	0.586	
WCDMA + Bluetooth+ NFC	Limbs	Configure 1	WCDMA	0.656	0.704
			NFC	0.0000001	
			BT	0.048	
	Limbs	Configure 2	WCDMA	2.128	2.176
			NFC	0.0000001	
			BT	0.048	
WCDMA + 5G WLAN+ NFC	Limbs	Configure 1	WCDMA	0.656	1.101
			NFC	0.0000001	
			5G WLAN	0.445	



	Limbs	Configure 2	WCDMA	2.128	2.668
			NFC	0.0000001	
			5G WLAN	0.540	
LTE + 2.4G WLAN + NFC	Limbs	Configure 1	LTE	0.615	1.139
			NFC	0.0000001	
			2.4G WLAN	0.524	
	Limbs	Configure 2	LTE	3.168	3.754
			NFC	0.0000001	
			2.4G WLAN	0.586	
LTE + Bluetooth+ NFC	Limbs	Configure 1	LTE	0.615	0.663
			NFC	0.0000001	
			BT	0.048	
	Limbs	Configure 2	LTE	3.168	3.216
			NFC	0.0000001	
			BT	0.048	
LTE + 5G WLAN+ NFC	Limbs	Configure 1	LTE	0.615	1.060
			NFC	0.0000001	
			5G WLAN	0.445	
	Limbs	Configure 2	LTE	3.168	3.708
			NFC	0.0000001	
			5G WLAN	0.540	

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

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



13. Equipment List

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



Appendix A. System Validation Plots

System Performance Check Data (750MHz)

Type: Phone measurement (Complete)

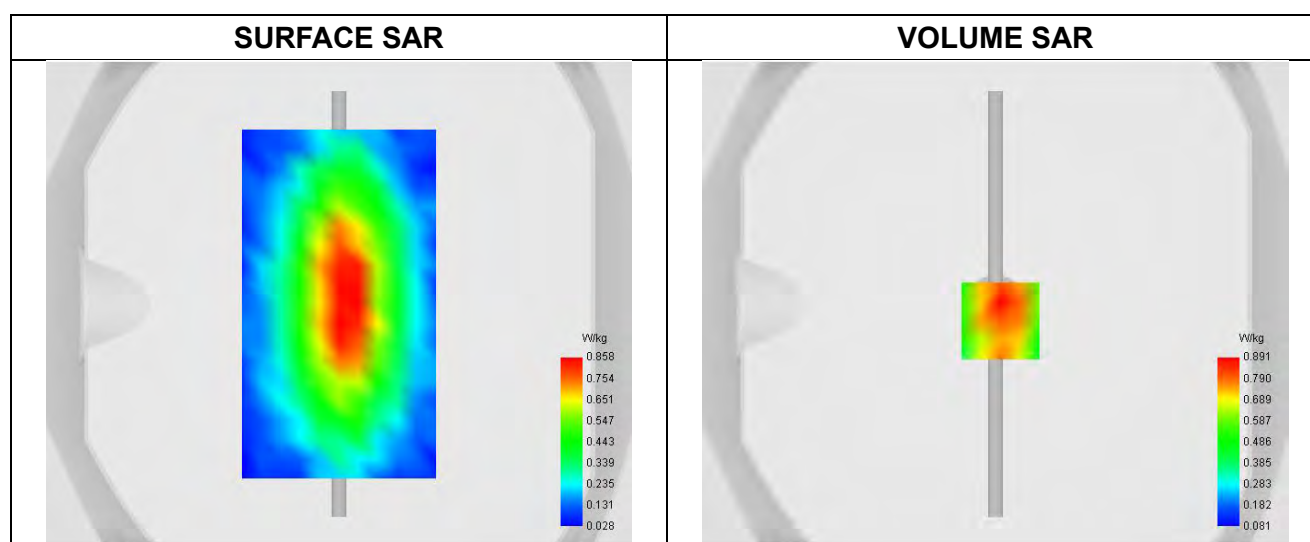
Area scan resolution: dx=8mm,dy=8mm

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

Date of measurement: 2024-12-11

Experimental conditions.

Phantom	Validation plane
Device Position	Dipole
Band	CW750
Channels	Middle
Signal	CW
Frequency (MHz)	750.000
Relative permittivity	42.01
Conductivity (S/m)	0.85
Probe	SN 04/22 EPGO364
ConvF	1.68
Crest factor:	1:1

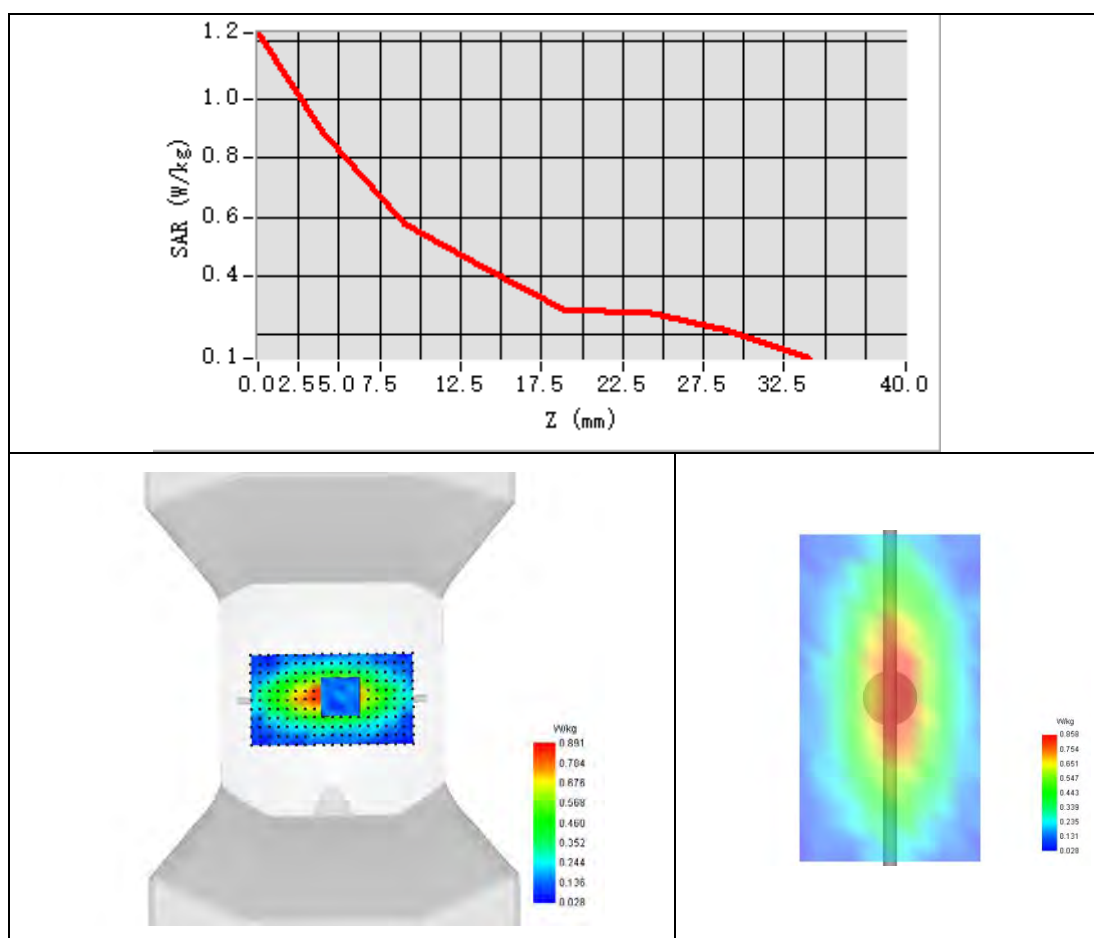


Maximum location: X=2.00, Y=7.00 ; SAR Peak: 1.30 W/kg

SAR 10g (W/Kg)	0.556
SAR 1g (W/Kg)	0.828



Z Axis Scan





System Performance Check Data (750MHz)

Type: Phone measurement (Complete)

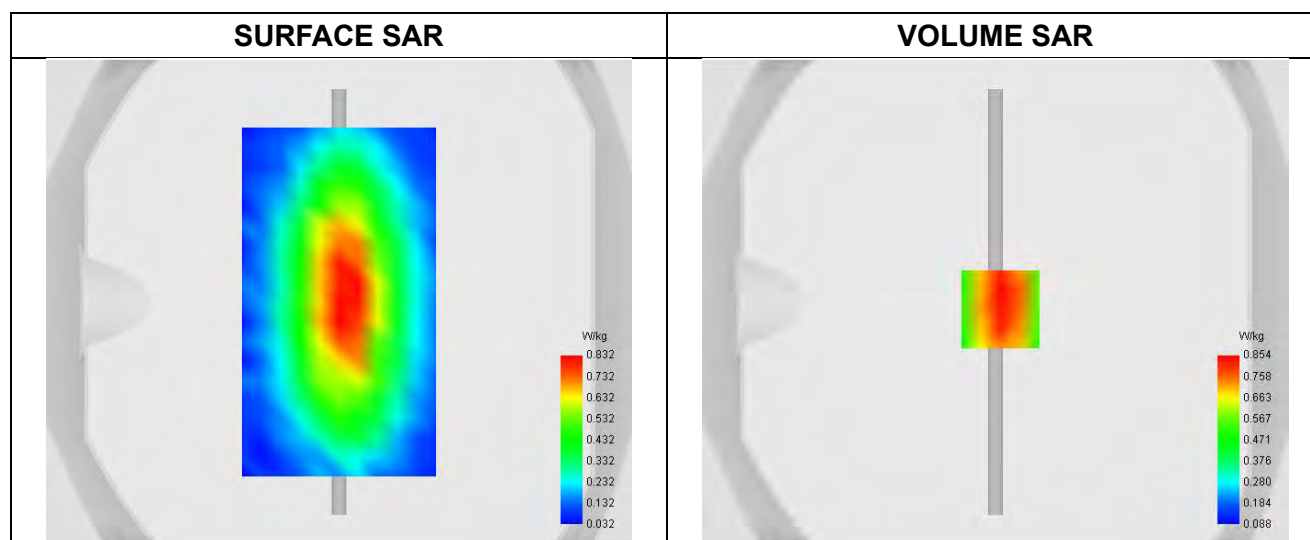
Area scan resolution: dx=8mm,dy=8mm

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

Date of measurement: 2024-12-25

Experimental conditions.

Phantom	Validation plane
Device Position	Dipole
Band	CW750
Channels	Middle
Signal	CW
Frequency (MHz)	750.000
Relative permittivity	42.15
Conductivity (S/m)	0.88
Probe	SN 04/22 EPGO364
ConvF	1.68
Crest factor:	1:1

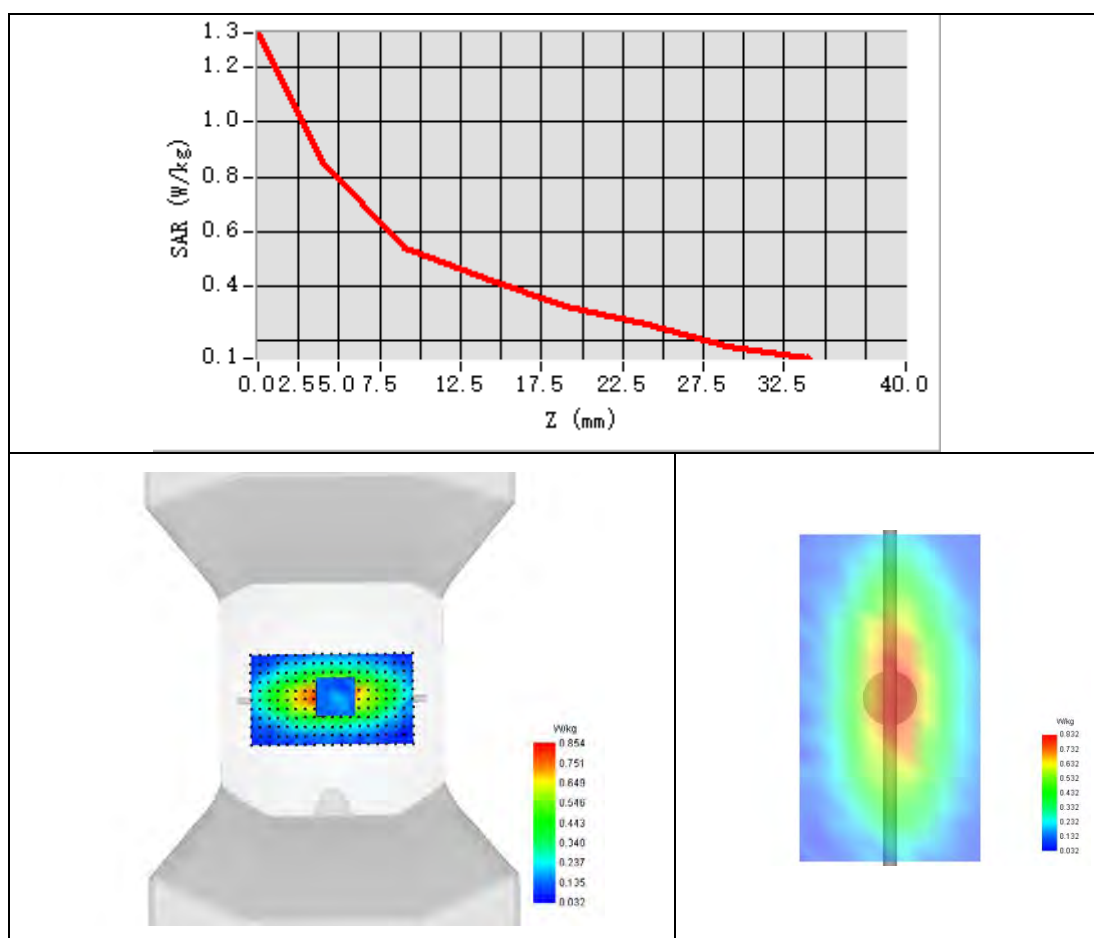


Maximum location: X=2.00, Y=3.00 ; SAR Peak: 1.23 W/kg

SAR 10g (W/Kg)	0.500
SAR 1g (W/Kg)	0.803



Z Axis Scan





System Performance Check Data (750MHz)

Type: Phone measurement (Complete)

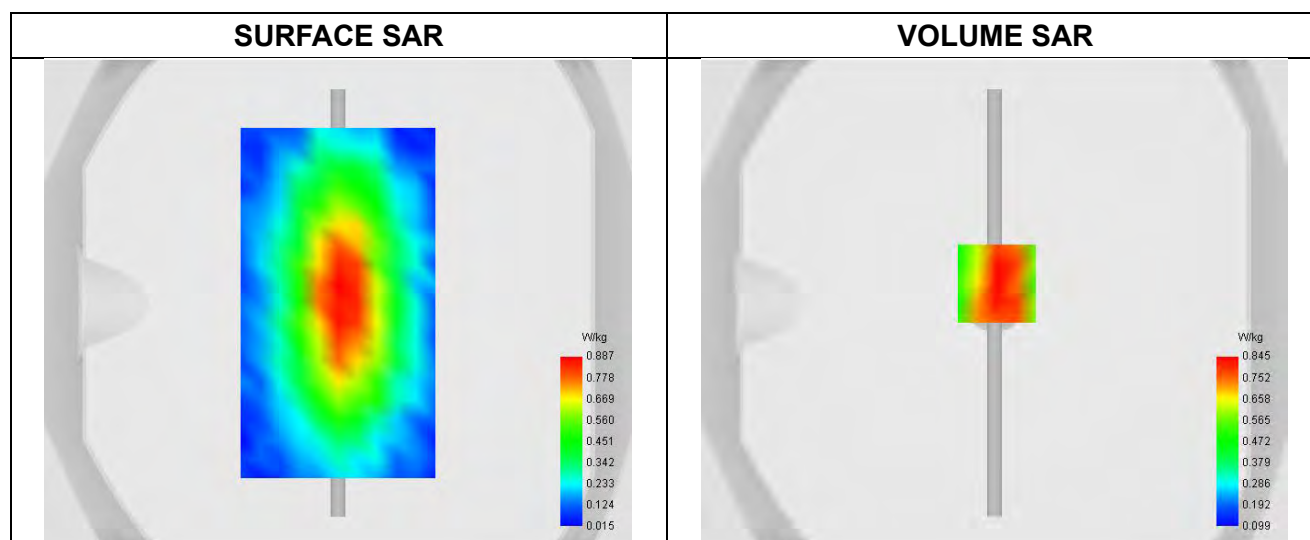
Area scan resolution: dx=8mm,dy=8mm

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

Date of measurement: 2025-01-04

Experimental conditions.

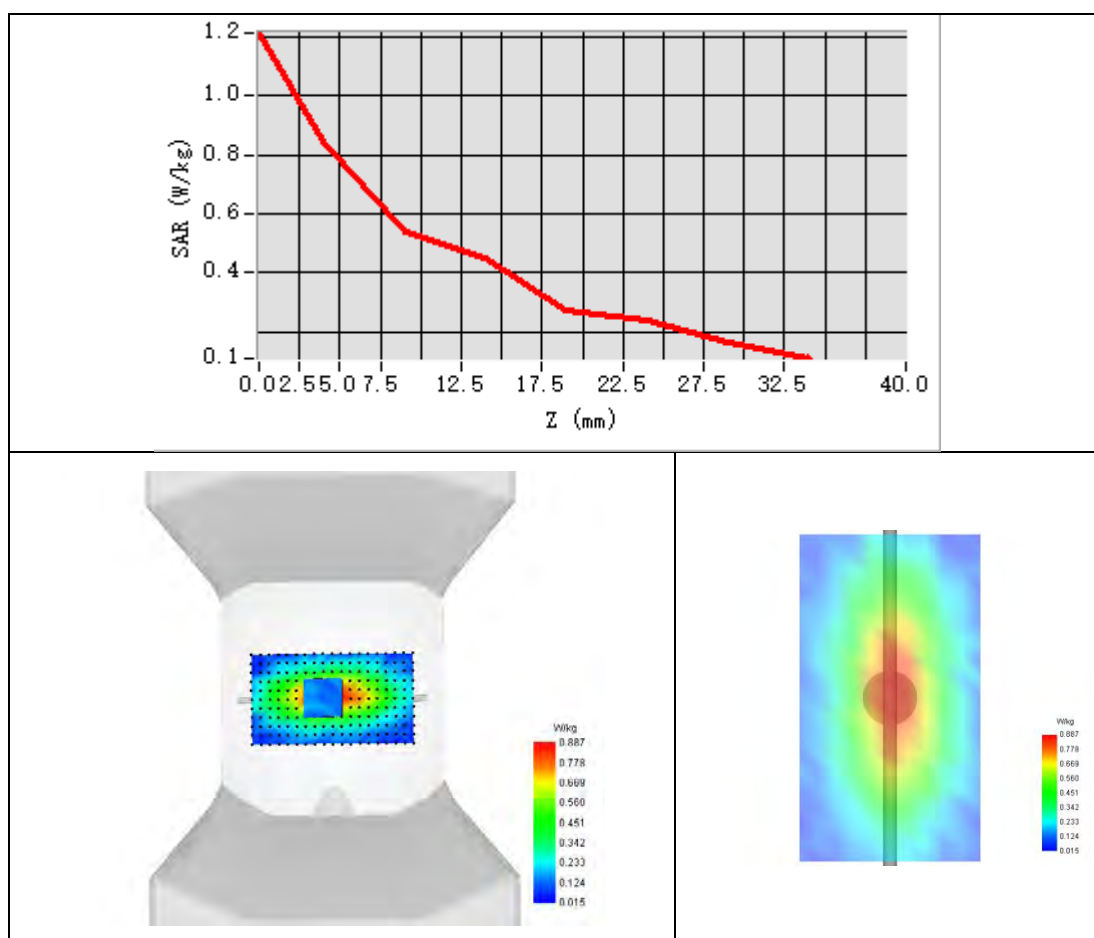
Phantom	Validation plane
Device Position	Dipole
Band	CW750
Channels	Middle
Signal	CW
Frequency (MHz)	750.000
Relative permittivity	40.98
Conductivity (S/m)	0.92
Probe	SN 04/22 EPGO364
ConvF	1.68
Crest factor:	1:1



Maximum location: X=1.00, Y=8.00 ; SAR Peak: 1.23 W/kg

SAR 10g (W/Kg)	0.532
SAR 1g (W/Kg)	0.841

Z Axis Scan





System Performance Check Data (835MHz)

Type: Phone measurement (Complete)

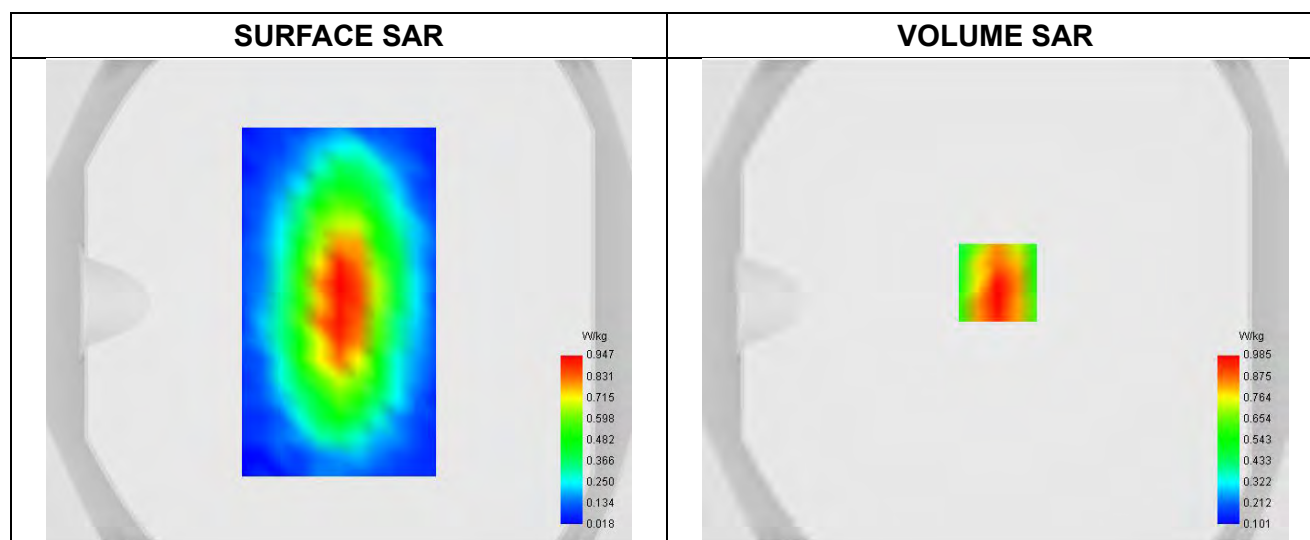
Area scan resolution: dx=8mm,dy=8mm

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

Date of measurement: 2024-12-26

Experimental conditions.

Phantom	Validation plane
Device Position	Dipole
Band	CW835
Channels	Middle
Signal	CW
Frequency (MHz)	835.000
Relative permittivity	41.12
Conductivity (S/m)	0.94
Probe	SN 04/22 EPGO364
ConvF	1.70
Crest factor:	1:1

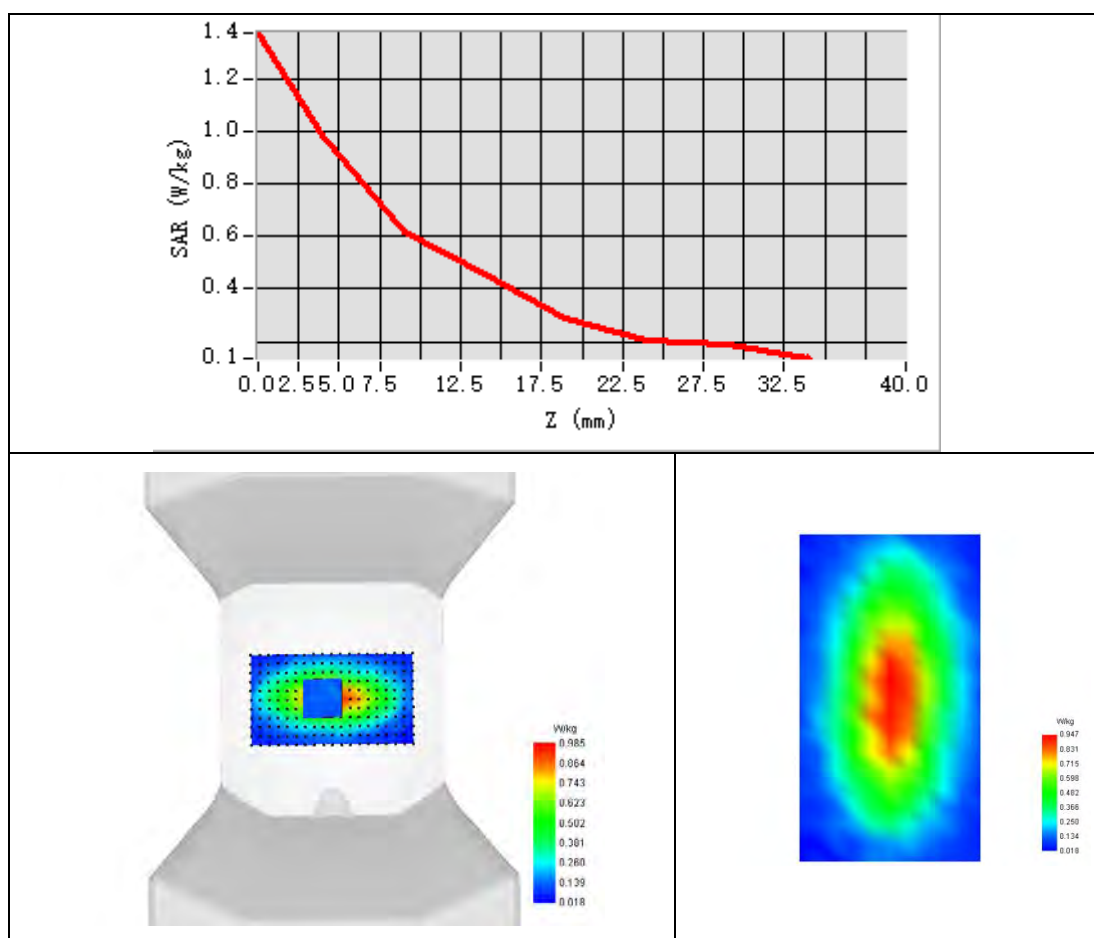


Maximum location: X=1.00, Y=8.00 ; SAR Peak: 1.38 W/kg

SAR 10g (W/Kg)	0.610
SAR 1g (W/Kg)	0.992



Z Axis Scan





System Performance Check Data (835MHz)

Type: Phone measurement (Complete)

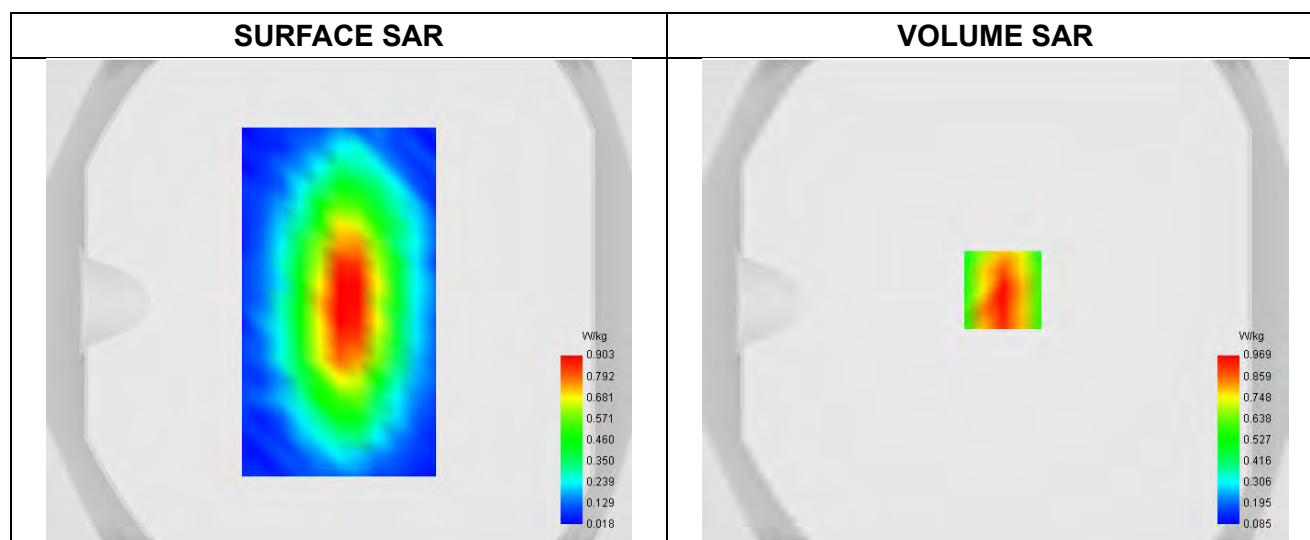
Area scan resolution: dx=8mm,dy=8mm

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

Date of measurement: 2024-12-19

Experimental conditions.

Phantom	Validation plane
Device Position	Dipole
Band	CW835
Channels	Middle
Signal	CW
Frequency (MHz)	835.000
Relative permittivity	42.19
Conductivity (S/m)	0.93
Probe	SN 04/22 EPGO364
ConvF	1.70
Crest factor:	1:1

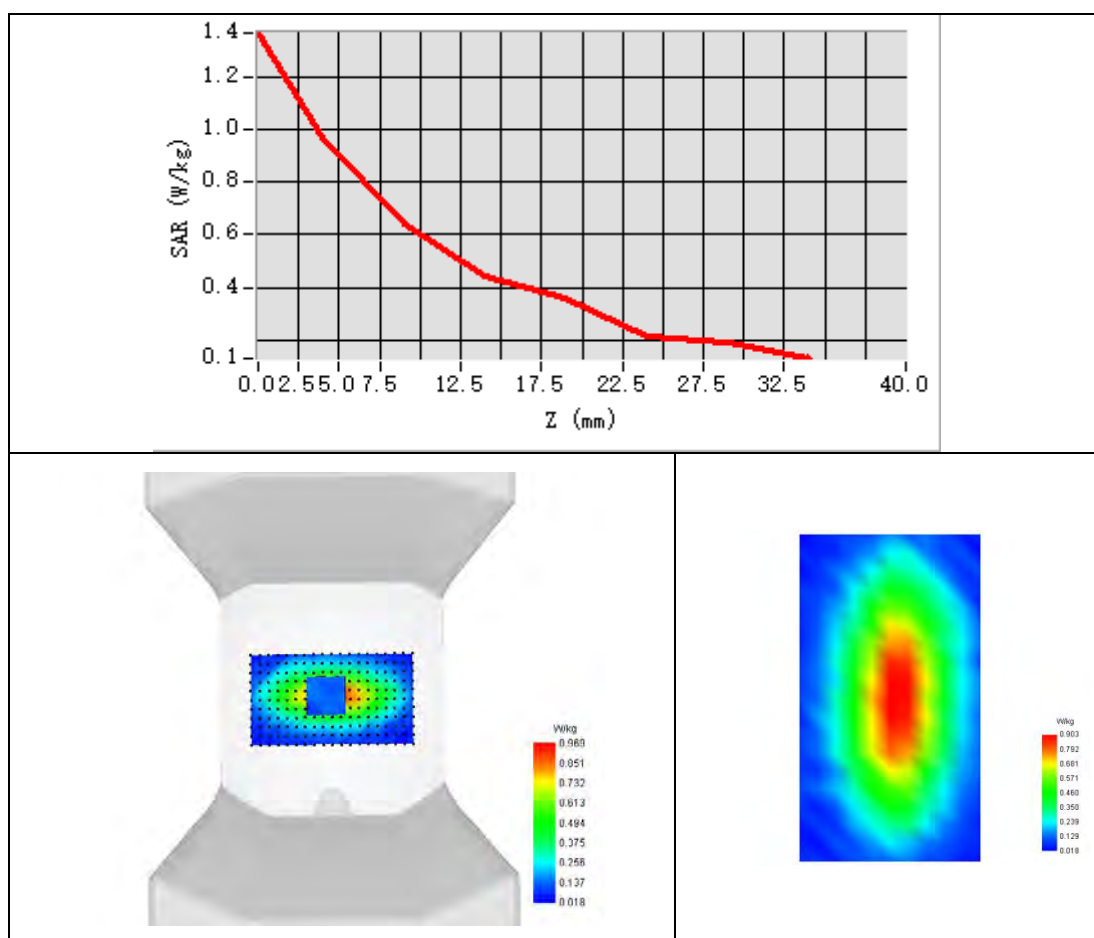


Maximum location: X=3.00, Y=5.00 ; SAR Peak: 1.37 W/kg

SAR 10g (W/Kg)	0.626
SAR 1g (W/Kg)	0.948



Z Axis Scan





System Performance Check Data (835MHz)

Type: Phone measurement (Complete)

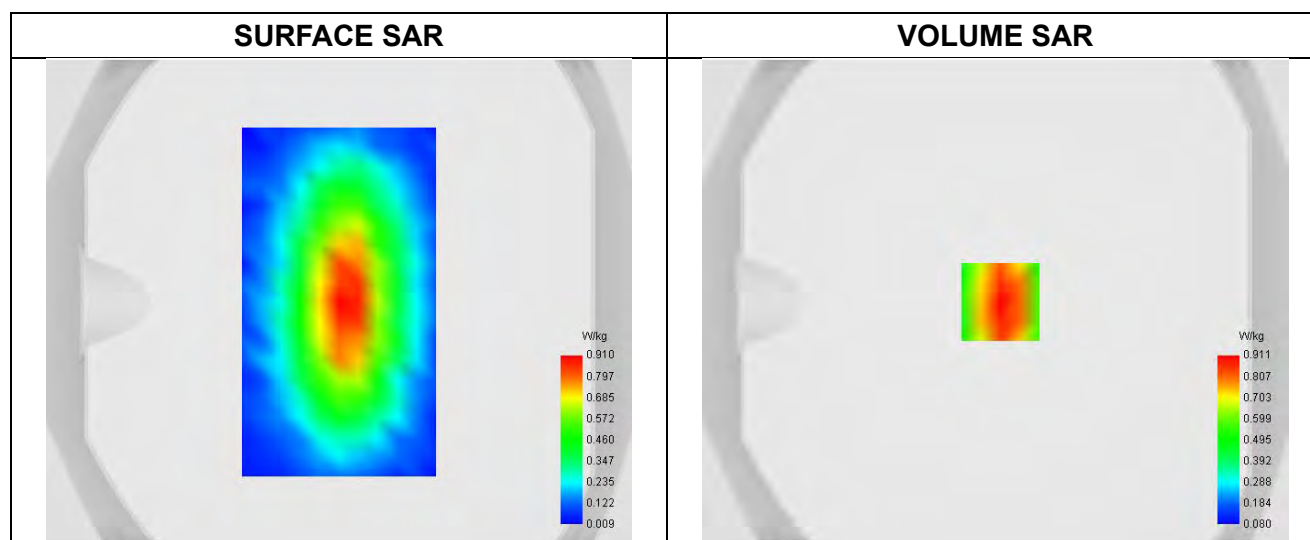
Area scan resolution: dx=8mm,dy=8mm

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

Date of measurement: 2025-01-01

Experimental conditions.

Phantom	Validation plane
Device Position	Dipole
Band	CW835
Channels	Middle
Signal	CW
Frequency (MHz)	835.000
Relative permittivity	41.55
Conductivity (S/m)	0.91
Probe	SN 04/22 EPGO364
ConvF	1.70
Crest factor:	1:1

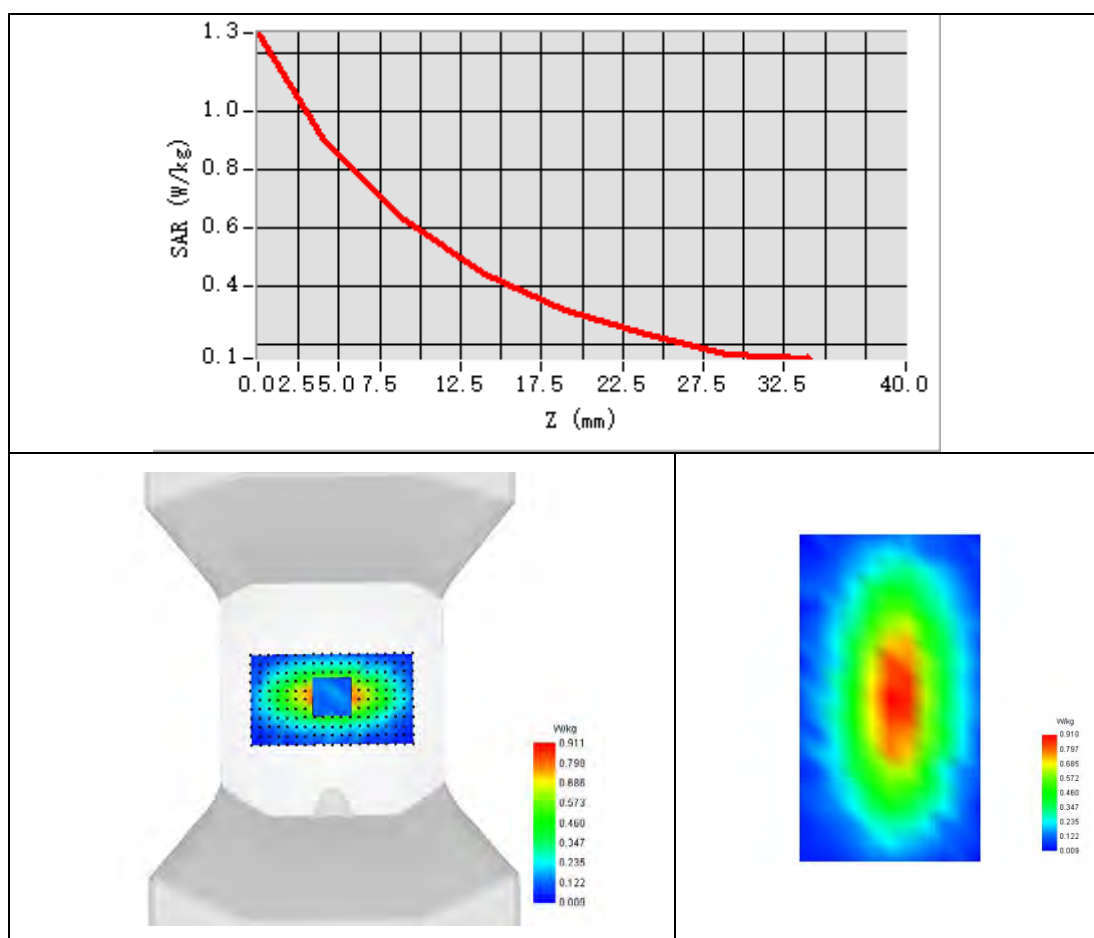


Maximum location: X=2.00, Y=0.00 ; SAR Peak: 1.27 W/kg

SAR 10g (W/Kg)	0.599
SAR 1g (W/Kg)	0.984



Z Axis Scan





System Performance Check Data (1800MHz)

Type: Phone measurement (Complete)

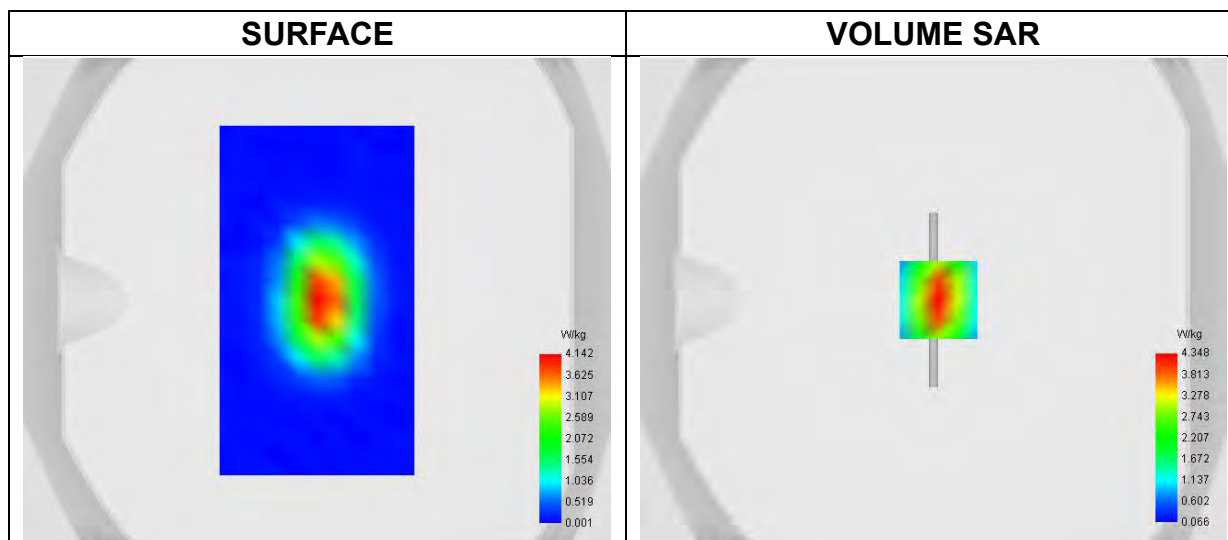
Area scan resolution: dx=8mm, dy=8mm

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

Date of measurement:2024-12-05

Experimental conditions.

Phantom	Validation plane
Device Position	Dipole
Band	CW1800
Channels	Middle
Signal	CW
Frequency (MHz)	1800.000
Relative permittivity	40.95
Conductivity (S/m)	1.44
Probe	SN 04/22 EPGO364
ConvF	1.91
Crest factor:	1:1

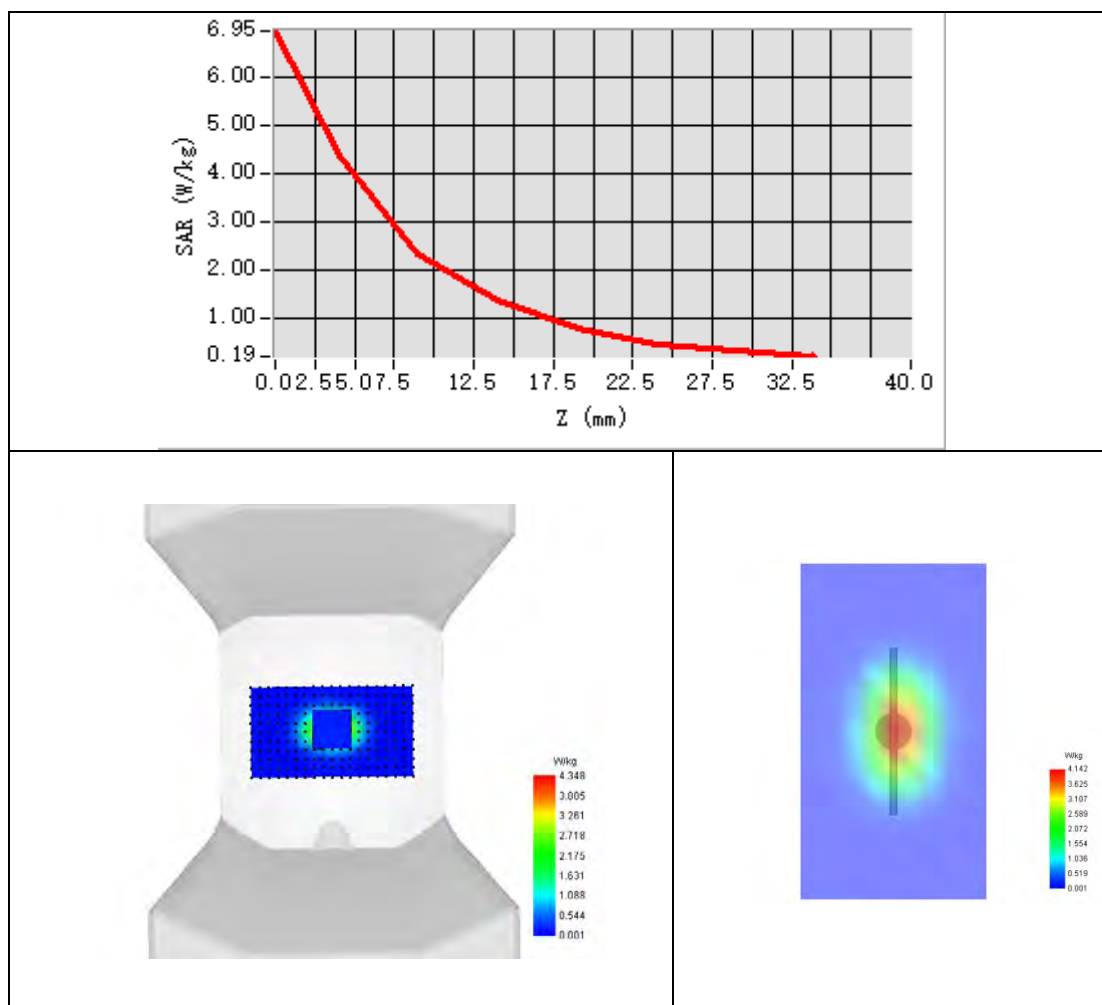


Maximum location: X=2.00, Y=0.00 ; SAR Peak: 6.91 W/kg

SAR 10g (W/Kg)	2.003
SAR 1g (W/Kg)	3.884



Z Axis Scan





System Performance Check Data (1800MHz)

Type: Phone measurement (Complete)

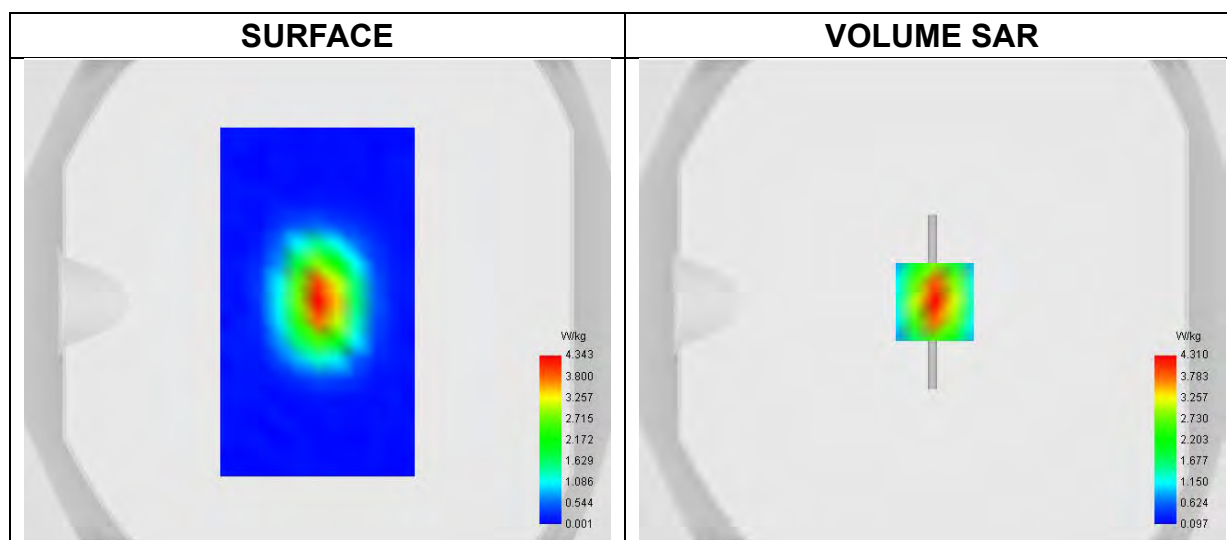
Area scan resolution: dx=8mm, dy=8mm

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

Date of measurement:2024-12-29

Experimental conditions.

Phantom	Validation plane
Device Position	Dipole
Band	CW1800
Channels	Middle
Signal	CW
Frequency (MHz)	1800.000
Relative permittivity	40.47
Conductivity (S/m)	1.35
Probe	SN 04/22 EPGO364
ConvF	1.91
Crest factor:	1:1

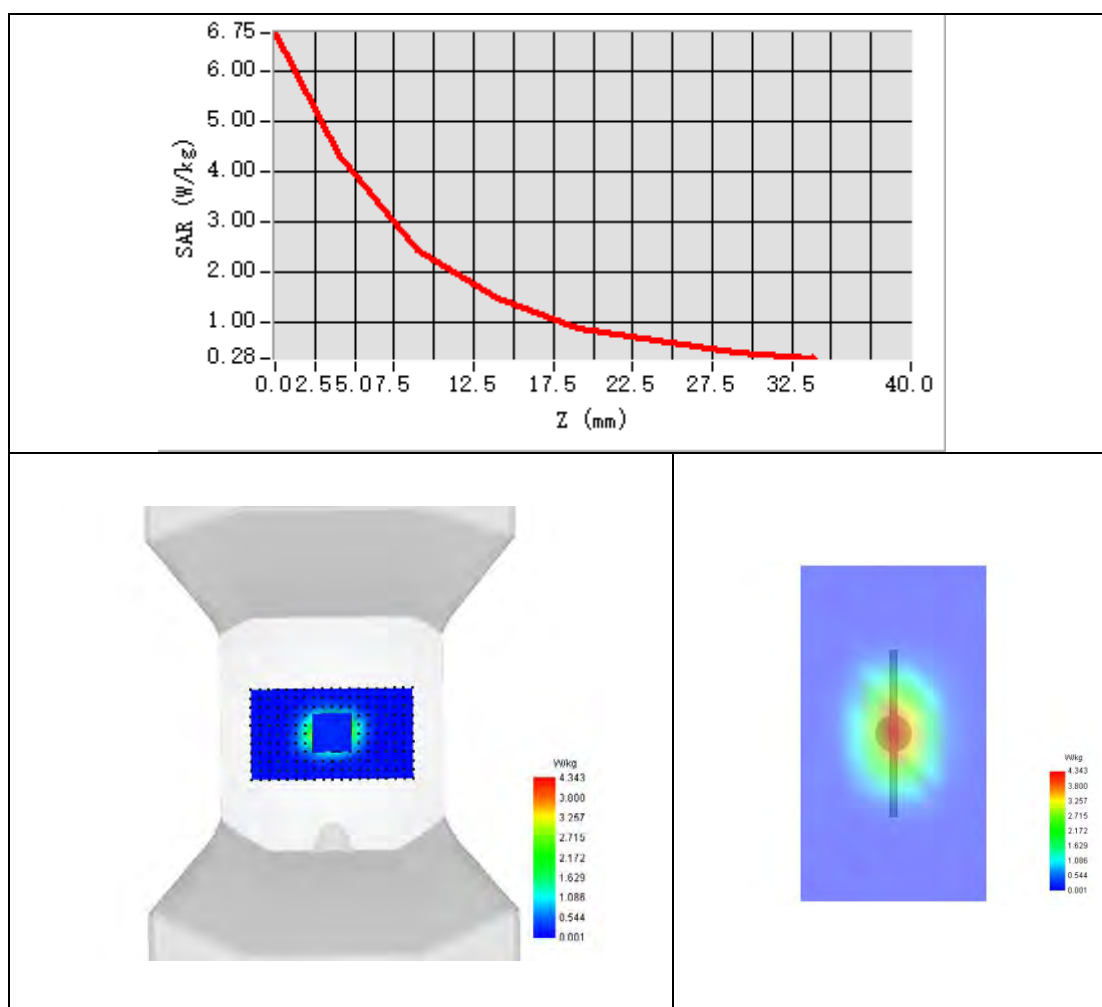


Maximum location: X=1.00, Y=0.00 ; SAR Peak: 6.69 W/kg

SAR 10g (W/Kg)	2.071
SAR 1g (W/Kg)	3.921



Z Axis Scan





System Performance Check Data (1800MHz)

Type: Phone measurement (Complete)

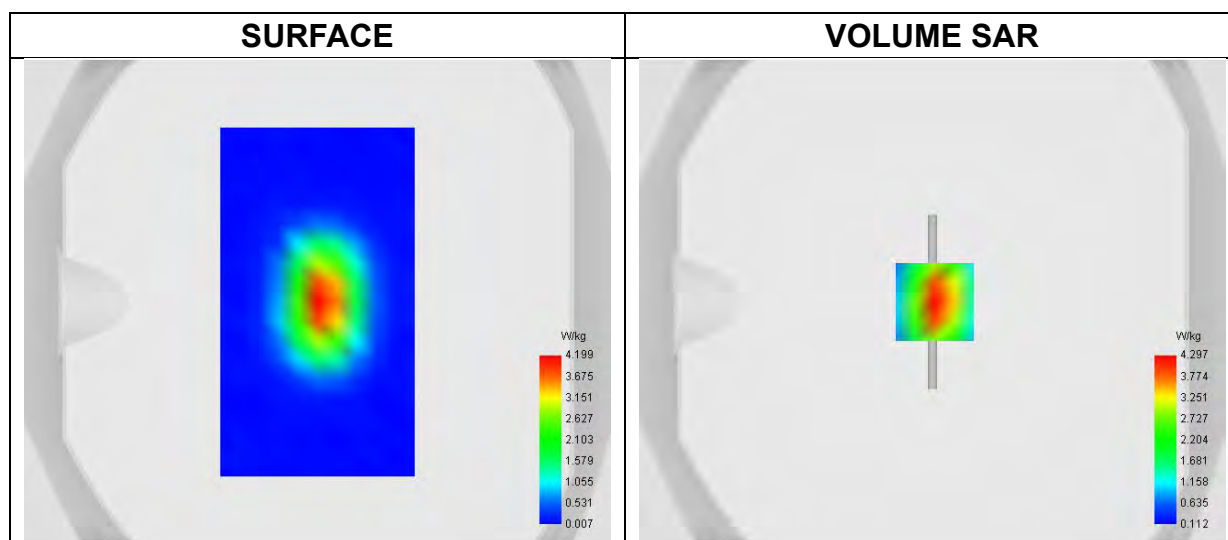
Area scan resolution: dx=8mm, dy=8mm

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

Date of measurement:2024-12-27

Experimental conditions.

Phantom	Validation plane
Device Position	Dipole
Band	CW1800
Channels	Middle
Signal	CW
Frequency (MHz)	1800.000
Relative permittivity	40.50
Conductivity (S/m)	1.41
Probe	SN 04/22 EPGO364
ConvF	1.91
Crest factor:	1:1

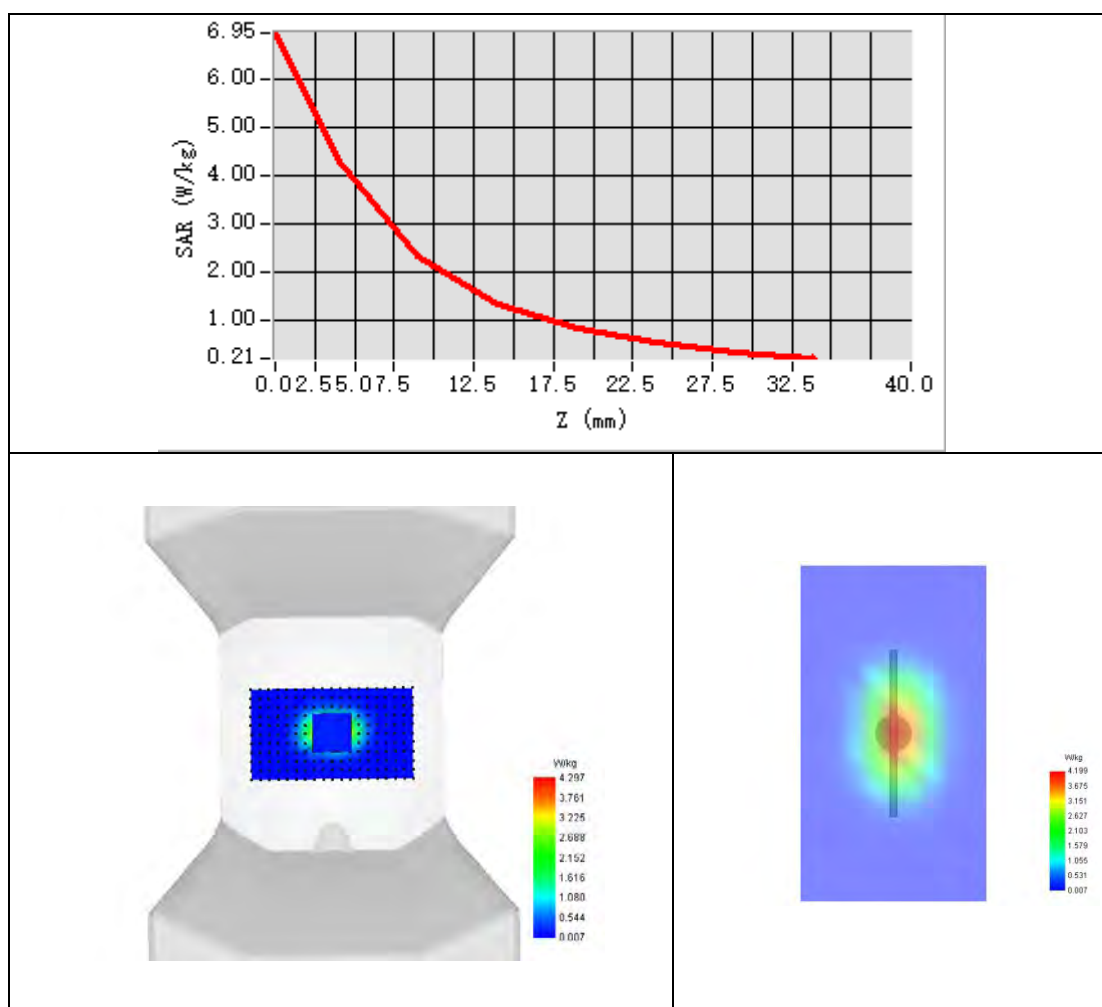


Maximum location: X=1.00, Y=0.00 ; SAR Peak: 6.94 W/kg

SAR 10g (W/Kg)	2.055
SAR 1g (W/Kg)	3.922



Z Axis Scan





System Performance Check Data (1900MHz)

Type: Phone measurement (Complete)

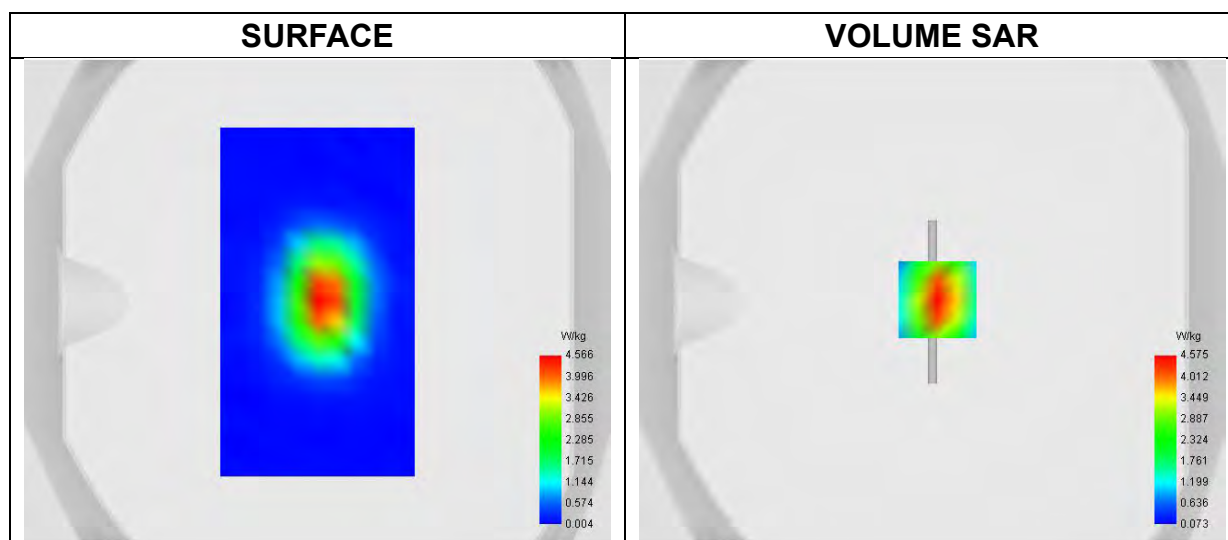
Area scan resolution: dx=8mm, dy=8mm

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

Date of measurement:2024-12-30

Experimental conditions.

Phantom	Validation plane
Device Position	Dipole
Band	CW1900
Channels	Middle
Signal	CW
Frequency (MHz)	1900.000
Relative permittivity	40.34
Conductivity (S/m)	1.39
Probe	SN 04/22 EPGO364
ConvF	2.24
Crest factor:	1:1

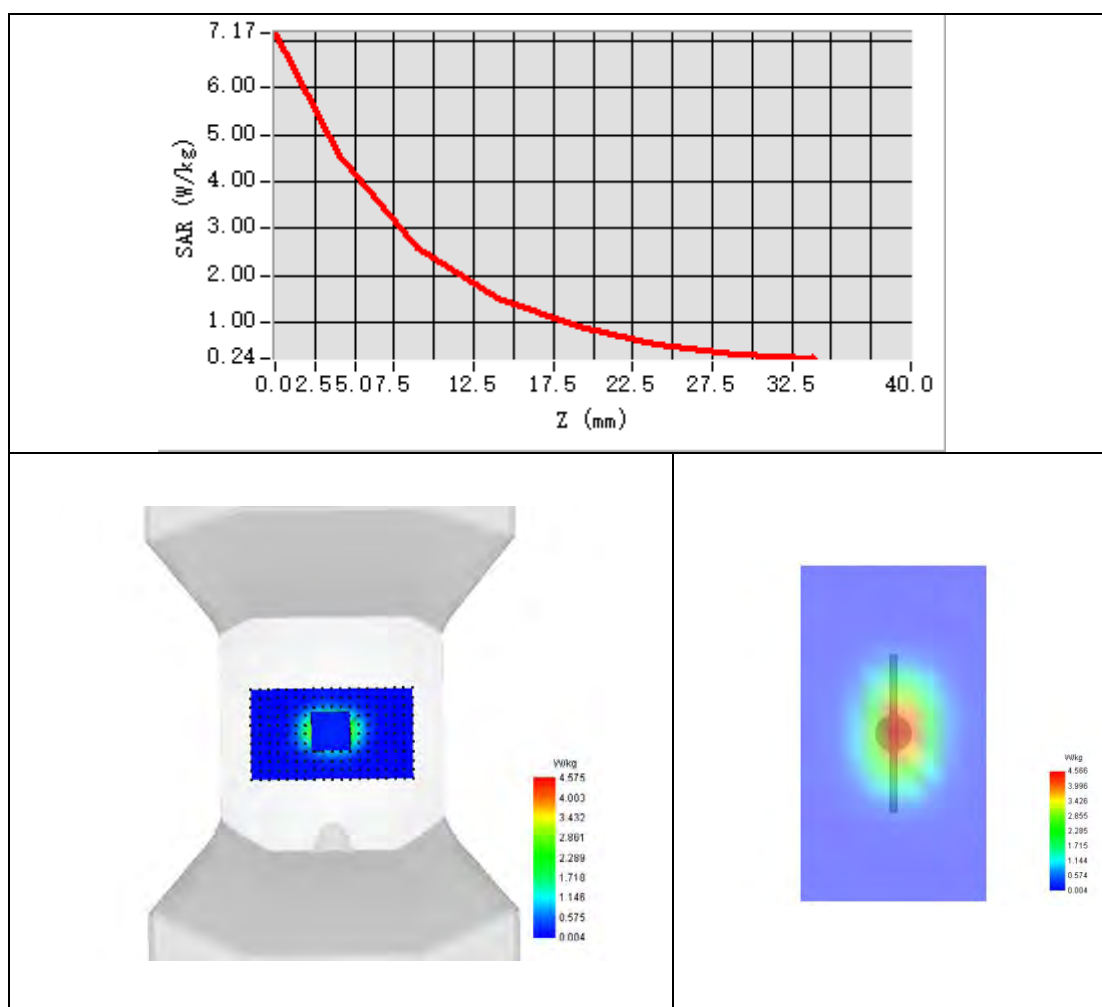


Maximum location: X=2.00, Y=1.00 ; SAR Peak: 7.14 W/kg

SAR 10g (W/Kg)	2.106
SAR 1g (W/Kg)	4.120



Z Axis Scan





System Performance Check Data (1900MHz)

Type: Phone measurement (Complete)

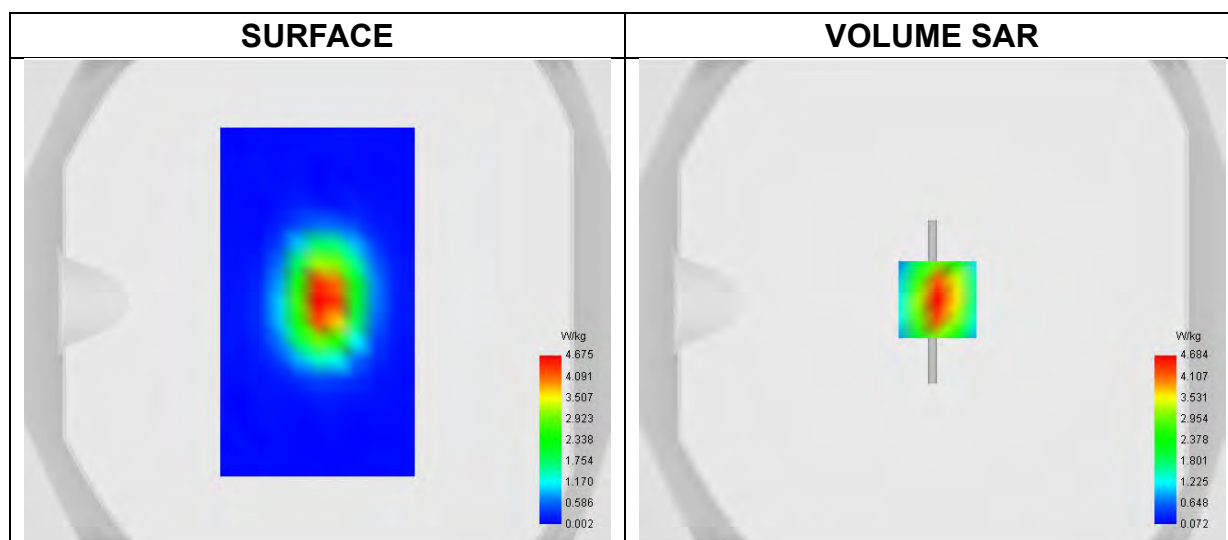
Area scan resolution: dx=8mm, dy=8mm

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

Date of measurement:2024-12-15

Experimental conditions.

Phantom	Validation plane
Device Position	Dipole
Band	CW1900
Channels	Middle
Signal	CW
Frequency (MHz)	1900.000
Relative permittivity	41.14
Conductivity (S/m)	1.42
Probe	SN 04/22 EPGO364
ConvF	2.24
Crest factor:	1:1

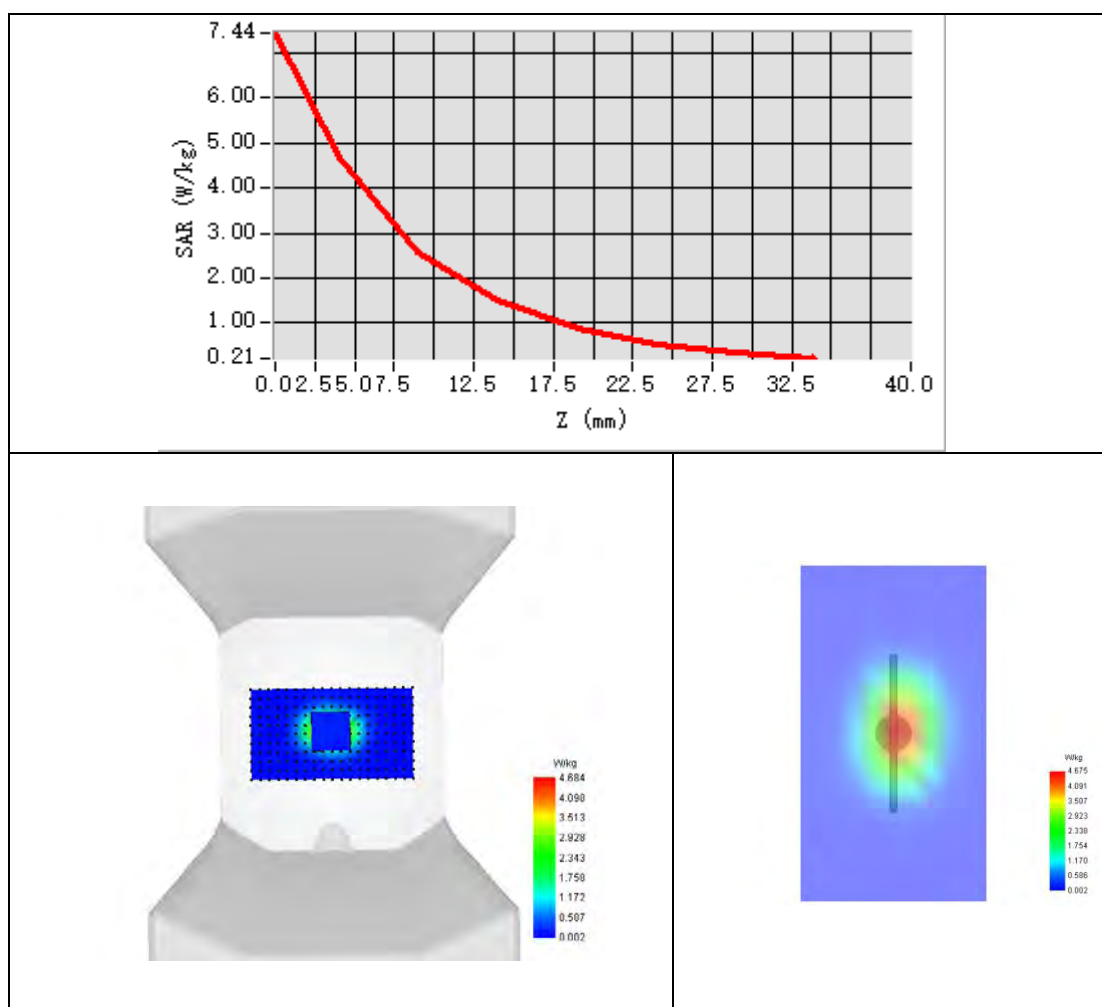


Maximum location: X=2.00, Y=1.00 ; SAR Peak: 7.38 W/kg

SAR 10g (W/Kg)	2.106
SAR 1g (W/Kg)	4.097



Z Axis Scan





System Performance Check Data (1900MHz)

Type: Phone measurement (Complete)

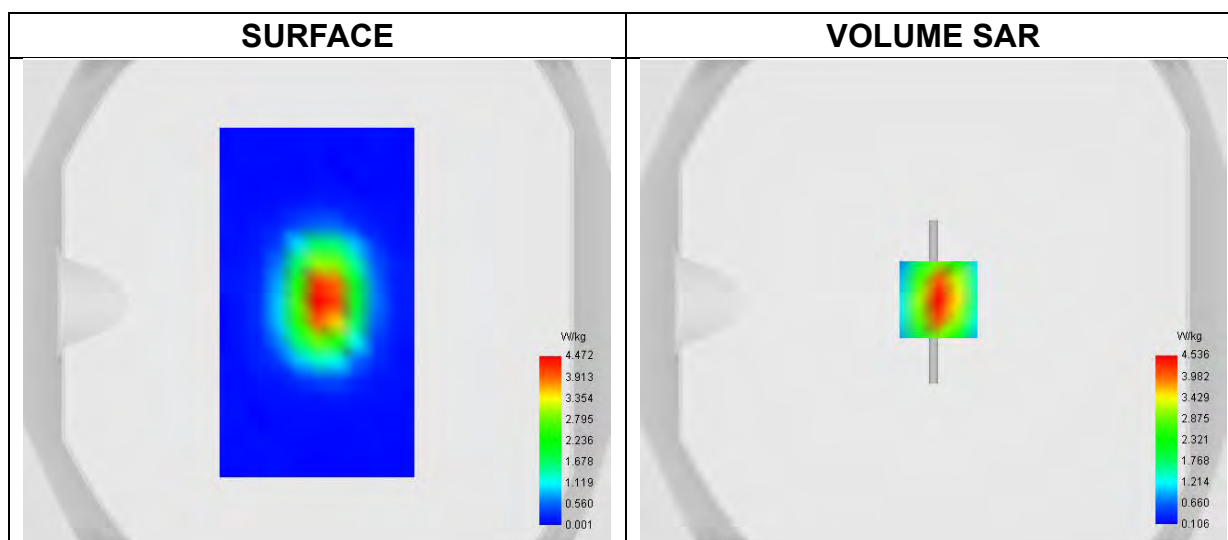
Area scan resolution: dx=8mm, dy=8mm

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

Date of measurement:2024-12-16

Experimental conditions.

Phantom	Validation plane
Device Position	Dipole
Band	CW1900
Channels	Middle
Signal	CW
Frequency (MHz)	1900.000
Relative permittivity	40.79
Conductivity (S/m)	1.45
Probe	SN 04/22 EPGO364
ConvF	2.24
Crest factor:	1:1



Maximum location: X=2.00, Y=1.00 ; SAR Peak: 7.16 W/kg

SAR 10g (W/Kg)	2.071
SAR 1g (W/Kg)	4.078