



LTE Band 12 Maximum Average Power [dBm]						
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest
1.4	1	0	QPSK	23.89	23.90	23.71
1.4	1	2		23.91	23.88	23.80
1.4	1	5		23.91	23.85	23.80
1.4	3	0		23.83	23.83	23.73
1.4	3	1		23.98	23.77	23.82
1.4	3	2		23.97	23.79	23.78
1.4	6	0		23.01	22.75	22.66
1.4	1	0	16-QAM	24.02	22.79	22.70
1.4	1	2		23.92	22.82	22.66
1.4	1	5		23.90	22.79	22.69
1.4	3	0		23.18	22.77	22.55
1.4	3	1		23.16	22.87	22.62
1.4	3	2		23.16	22.88	22.69
1.4	6	0		22.08	22.02	21.66
3	1	0	QPSK	23.81	23.85	23.82
3	1	7		23.77	23.87	23.82
3	1	14		23.83	23.87	23.83
3	8	0		22.97	22.69	22.71
3	8	4		22.97	22.95	22.70
3	8	7		23.08	22.90	22.69
3	15	0		22.91	22.80	22.75
3	1	0	16-QAM	23.81	22.84	22.81
3	1	7		23.80	22.74	22.75
3	1	14		23.85	22.77	22.84
3	8	0		21.90	21.81	21.68
3	8	4		21.91	21.93	21.75
3	8	7		21.85	21.90	21.74
3	15	0		21.98	21.76	21.68



LTE Band 12 Maximum Average Power [dBm]						
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest
5	1	0	QPSK	23.80	24.01	23.52
5	1	12		23.88	23.93	23.56
5	1	24		23.89	23.75	23.57
5	12	0		22.88	22.76	22.60
5	12	6		23.07	22.84	22.66
5	12	11		22.97	22.90	22.77
5	25	0		23.05	22.94	22.82
5	1	0	16-QAM	22.90	22.90	23.26
5	1	12		22.91	22.88	23.20
5	1	24		22.94	22.87	23.13
5	12	0		21.87	21.61	21.66
5	12	6		21.88	21.72	21.64
5	12	11		21.87	21.68	21.59
5	25	0		22.11	21.94	21.76
10	1	0	QPSK	23.88	23.88	23.82
10	1	24		23.86	23.82	23.78
10	1	49		23.86	23.79	23.84
10	25	0		23.09	22.80	22.86
10	25	12		22.97	22.91	22.75
10	25	24		22.95	22.76	22.87
10	50	0		22.98	22.91	22.70
10	1	0	16-QAM	23.83	23.43	23.17
10	1	24		23.87	23.48	23.23
10	1	49		23.84	23.51	23.00
10	25	0		21.98	21.88	21.87
10	25	12		21.95	21.88	21.86
10	25	24		21.80	21.84	21.77
10	50	0		22.07	21.89	21.76



LTE Band 13 Maximum Average Power [dBm]						
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest
5	1	0	QPSK	19.13	19.18	19.01
5	1	12		19.34	19.05	18.88
5	1	24		19.11	18.80	18.81
5	12	0		18.65	18.34	18.04
5	12	6		18.32	18.31	17.94
5	12	11		18.29	18.11	18.06
5	25	0		18.33	18.33	18.13
5	1	0	16-QAM	18.31	18.26	18.47
5	1	12		18.37	18.32	18.06
5	1	24		18.40	17.89	18.09
5	12	0		17.41	17.30	17.25
5	12	6		17.19	17.28	17.18
5	12	11		17.18	17.24	17.20
5	25	0		17.31	17.24	17.43
10	1	0	QPSK	/	19.12	/
10	1	24		/	19.10	/
10	1	49		/	18.99	/
10	25	0		/	18.26	/
10	25	12		/	18.30	/
10	25	24		/	18.12	/
10	50	0		/	18.29	/
10	1	0	16-QAM	/	19.59	/
10	1	24		/	19.31	/
10	1	49		/	18.93	/
10	25	0		/	17.18	/
10	25	12		/	17.13	/
10	25	24		/	17.22	/
10	50	0		/	17.20	/



LTE Band 17 Maximum Average Power [dBm]						
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest
5	1	0	QPSK	23.96	23.61	23.64
5	1	12		23.88	23.57	23.67
5	1	24		23.78	23.45	23.66
5	12	0		22.85	22.75	22.70
5	12	6		22.79	22.74	22.75
5	12	11		22.91	22.74	22.75
5	25	0		22.91	22.80	22.76
5	1	0	16-QAM	22.63	23.29	22.78
5	1	12		22.51	23.22	22.74
5	1	24		22.54	23.29	22.90
5	12	0		21.73	21.75	21.55
5	12	6		21.71	21.64	21.63
5	12	11		21.75	21.63	21.56
5	25	0		21.83	21.89	21.76
10	1	0	QPSK	23.80	23.85	23.84
10	1	24		23.73	23.90	23.71
10	1	49		23.81	23.73	23.85
10	25	0		22.86	22.92	22.78
10	25	12		22.80	22.81	22.79
10	25	24		22.79	22.72	22.68
10	50	0		22.84	22.82	22.74
10	1	0	16-QAM	23.72	22.78	23.14
10	1	24		23.69	22.76	23.10
10	1	49		23.66	22.72	22.96
10	25	0		21.72	21.87	21.83
10	25	12		21.72	21.82	21.76
10	25	24		21.80	21.75	21.82
10	50	0		21.85	21.81	21.74



LTE Band 66 Maximum Average Power [dBm]						
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest
1.4	1	0	QPSK	23.63	23.52	23.66
1.4	1	2		23.64	23.49	23.63
1.4	1	5		23.64	23.53	23.62
1.4	3	0		23.43	23.47	23.60
1.4	3	1		23.46	23.48	23.52
1.4	3	2		23.51	23.50	23.61
1.4	6	0		22.52	22.64	22.68
1.4	1	0	16-QAM	23.59	22.69	22.97
1.4	1	2		23.70	22.70	23.00
1.4	1	5		23.70	22.71	22.99
1.4	3	0		22.83	22.37	23.06
1.4	3	1		22.89	22.45	23.07
1.4	3	2		22.87	22.42	23.05
1.4	6	0		21.87	21.81	21.88
3	1	0	QPSK	23.64	23.51	23.69
3	1	7		23.58	23.52	23.69
3	1	14		23.56	23.50	23.60
3	8	0		22.57	22.55	22.52
3	8	4		22.61	22.64	22.59
3	8	7		22.57	22.61	22.64
3	15	0		22.54	22.69	22.60
3	1	0	16-QAM	23.85	22.70	22.69
3	1	7		23.78	22.69	22.66
3	1	14		23.77	22.65	22.69
3	8	0		21.65	21.78	21.68
3	8	4		21.60	21.84	21.73
3	8	7		21.70	21.73	21.68
3	15	0		21.83	21.79	21.84



LTE Band 66 Maximum Average Power [dBm]						
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest
5	1	0	QPSK	23.47	23.52	23.39
5	1	12		23.50	23.52	23.37
5	1	24		23.54	23.61	23.36
5	12	0		22.62	22.51	22.63
5	12	6		22.64	22.57	22.58
5	12	11		22.68	22.58	22.59
5	25	0		22.64	22.65	22.59
5	1	0	16-QAM	22.67	22.34	23.19
5	1	12		22.71	22.31	23.17
5	1	24		22.78	22.43	23.20
5	12	0		21.61	21.60	21.68
5	12	6		21.65	21.64	21.67
5	12	11		21.70	21.69	21.70
5	25	0		21.89	21.75	21.88
10	1	0	QPSK	23.49	23.57	23.69
10	1	24		23.52	23.57	23.69
10	1	49		23.63	23.65	23.69
10	25	0		22.53	22.61	22.67
10	25	12		22.62	22.63	22.63
10	25	24		22.60	22.66	22.72
10	50	0		22.73	22.57	22.68
10	1	0	16-QAM	23.75	22.58	23.04
10	1	24		23.83	22.67	22.99
10	1	49		23.89	22.67	23.02
10	25	0		21.81	21.72	21.81
10	25	12		21.79	21.79	21.82
10	25	24		21.79	21.75	21.80
10	50	0		21.81	21.80	21.69



LTE Band 66 Maximum Average Power [dBm]						
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest
15	1	0	QPSK	23.48	23.73	23.59
15	1	37		23.57	23.60	23.55
15	1	74		23.66	23.67	23.52
15	36	0		22.68	22.63	22.60
15	36	18		22.62	22.62	22.62
15	36	39		22.72	22.64	22.63
15	75	0		22.59	22.58	22.69
15	1	0	16-QAM	23.72	23.41	23.57
15	1	38		23.80	23.25	23.53
15	1	75		23.86	23.31	23.55
15	36	0		21.79	21.86	21.72
15	36	18		21.77	21.87	21.68
15	36	39		21.83	21.91	21.73
15	75	0		21.77	21.74	21.81
20	1	0	QPSK	23.61	23.92	23.71
20	1	49		23.71	23.90	23.64
20	1	99		23.82	23.94	23.69
20	50	0		22.55	22.62	22.66
20	50	24		22.58	22.59	22.65
20	50	49		22.75	22.64	22.64
20	100	0		22.68	22.70	22.63
20	1	0	16-QAM	22.76	22.24	23.06
20	1	49		22.78	22.17	22.97
20	1	99		22.91	22.32	22.99
20	50	0		21.82	21.74	21.86
20	50	24		21.90	21.80	21.81
20	50	49		21.99	21.83	21.78
20	100	0		21.79	21.73	21.80



Tune up power

Mode	GSM850(AVG)	GSM1900(AVG)
GSM/PCS	32.5±1dBm	29±1dBm
GPRS (1 Slot)	32.5±1dBm	29±1dBm
GPRS (2 Slot)	30.5±1dBm	27±1dBm
GPRS (3 Slot)	28.5±1dBm	25.5±1dBm
GPRS (4 Slot)	26.5±1dBm	23±1dBm
EDGE (1 Slot)	25±1dBm	25.5±1dBm
EDGE (2 Slot)	24±1dBm	23±1dBm
EDGE (3 Slot)	22±1dBm	20±1dBm
EDGE (4 Slot)	20±1dBm	18.5±1dBm

Mode	WCDMA Band II(AVG)	WCDMA Band IV(AVG)	WCDMA Band V(AVG)
RMR	21.5±1dBm	21.5±1dBm	22.5±1dBm
HSDPA Subtest-1	19±1dBm	18.5±1dBm	22±1dBm
HSDPA Subtest-2	18.5±1dBm	18.5±1dBm	21.5±1dBm
HSDPA Subtest-3	18.5±1dBm	18±1dBm	21.5±1dBm
HSDPA Subtest-4	18±1dBm	17.5±1dBm	21±1dBm
HSUPA Subtest-1	19±1dBm	18.5±1dBm	22±1dBm
HSUPA Subtest-2	19±1dBm	18.5±1dBm	22±1dBm
HSUPA Subtest-3	18.5±1dBm	18.5±1dBm	21.5±1dBm
HSUPA Subtest-4	19±1dBm	18.5±1dBm	21.5±1dBm
HSUPA Subtest-5	19±1dBm	18±1dBm	21.5±1dBm

Mode	BT(AVG)
GFSK	7.5±1dBm
$\pi/4$ -DQPSK	8±1dBm
8DPSK	8.5±1dBm

Mode	BLE(AVG)
GFSK(1Mbps)	0.5±1dBm
GFSK(2Mbps)	-0.5±1dBm

Mode	2.4G WLAN(AVG)
802.11b	18±1dBm
802.11g	17.5±1dBm
802.11n(HT20)	17.5±1dBm
802.11n(HT40)	15.5±1dBm

Mode	5.2G WLAN(AVG)
802.11a	13±1dBm
802.11 n-HT20	13.5±1dBm
802.11 n-HT40	12.5±1dBm
802.11 ac-VHT80	12±1dBm



Mode	5.3G WLAN(AVG)
802.11a	14±1dBm
802.11 n-HT20	14±1dBm
802.11 n-HT40	12.5±1dBm
802.11 ac-VHT80	12±1dBm

Mode	5.6G WLAN(AVG)
802.11a	14.5±1dBm
802.11 n-HT20	14.5±1dBm
802.11 n-HT40	14±1dBm
802.11 ac-VHT80	13.5±1dBm

Mode	5.8G WLAN(AVG)
802.11a	13.5±1dBm
802.11 n-HT20	14±1dBm
802.11 n-HT40	12.5±1dBm
802.11 ac-VHT80	12±1dBm

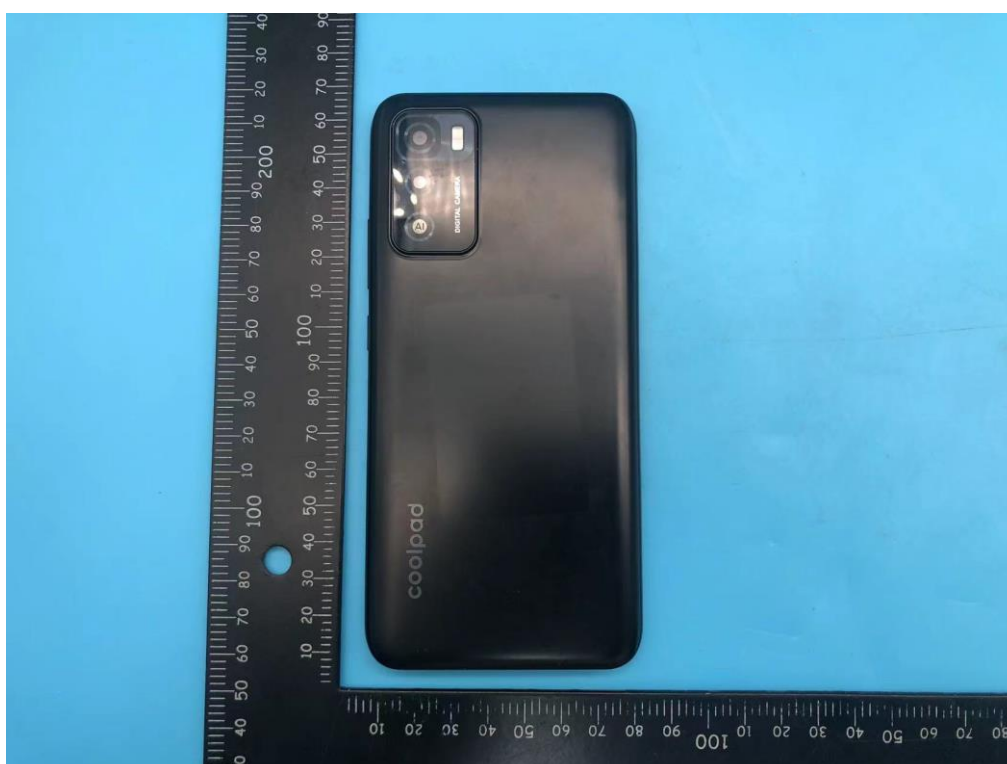
11. EUT and Test Setup Photo

11.1 EUT Photos

Front side



Back side





Right Edge



Left Edge





Top Edge

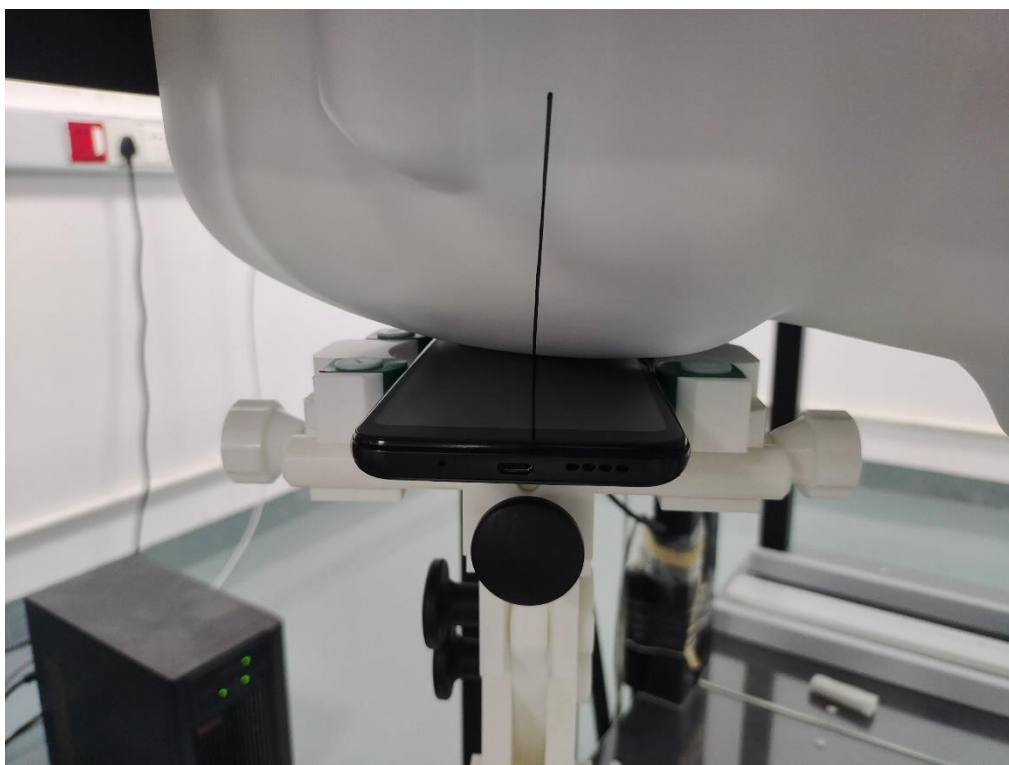


Bottom Edge

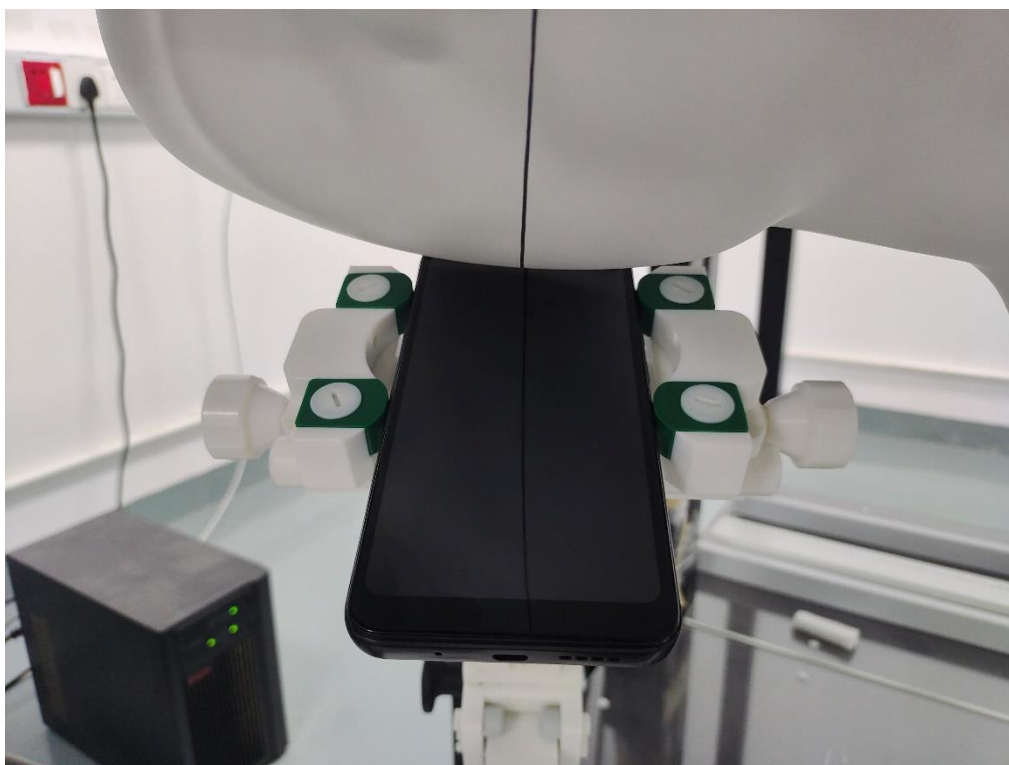


11.2 Setup Photos

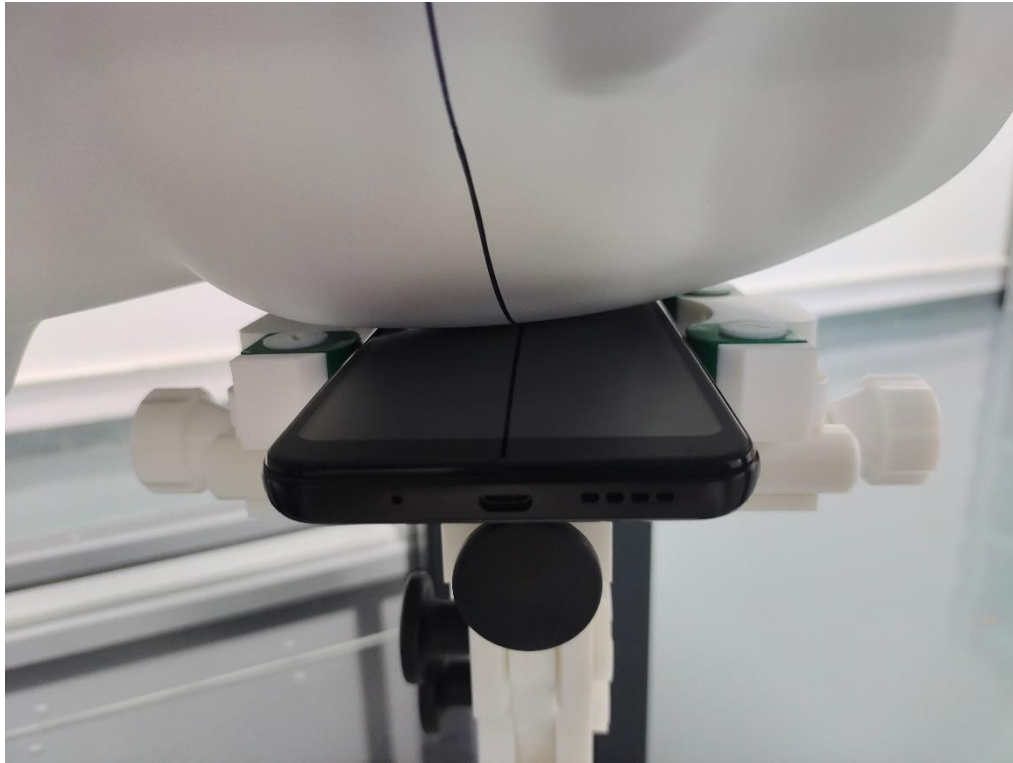
Right Touch



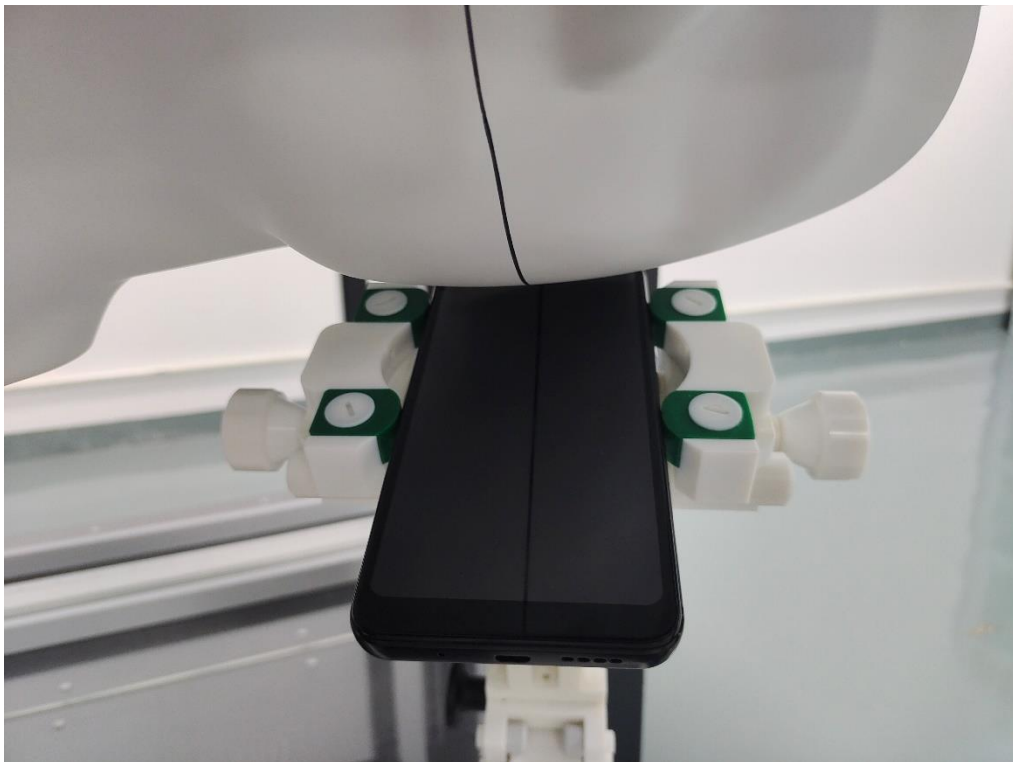
Right Tilt



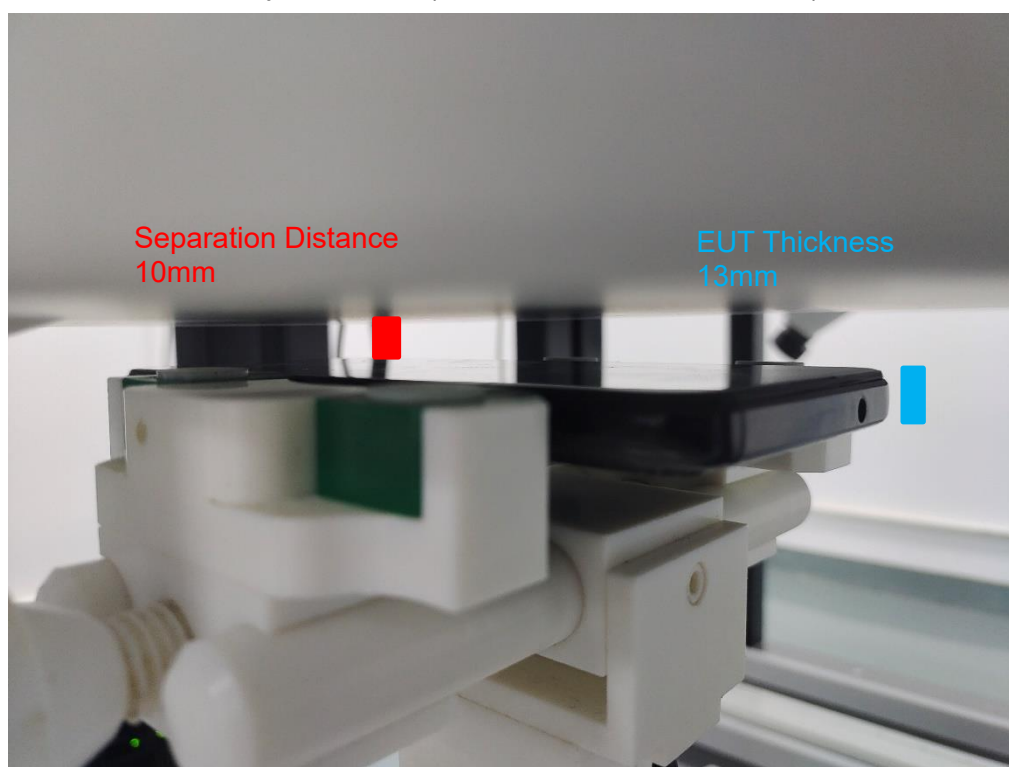
Left Touch



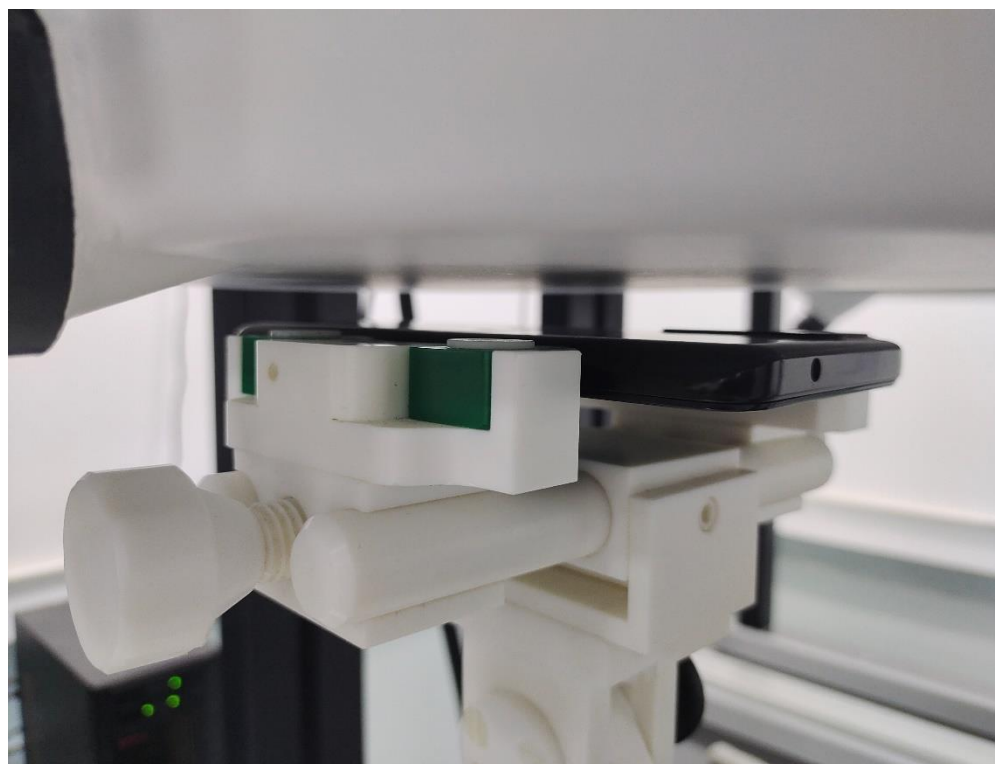
Left Tilt



Body Front side (separation distance is 10mm)



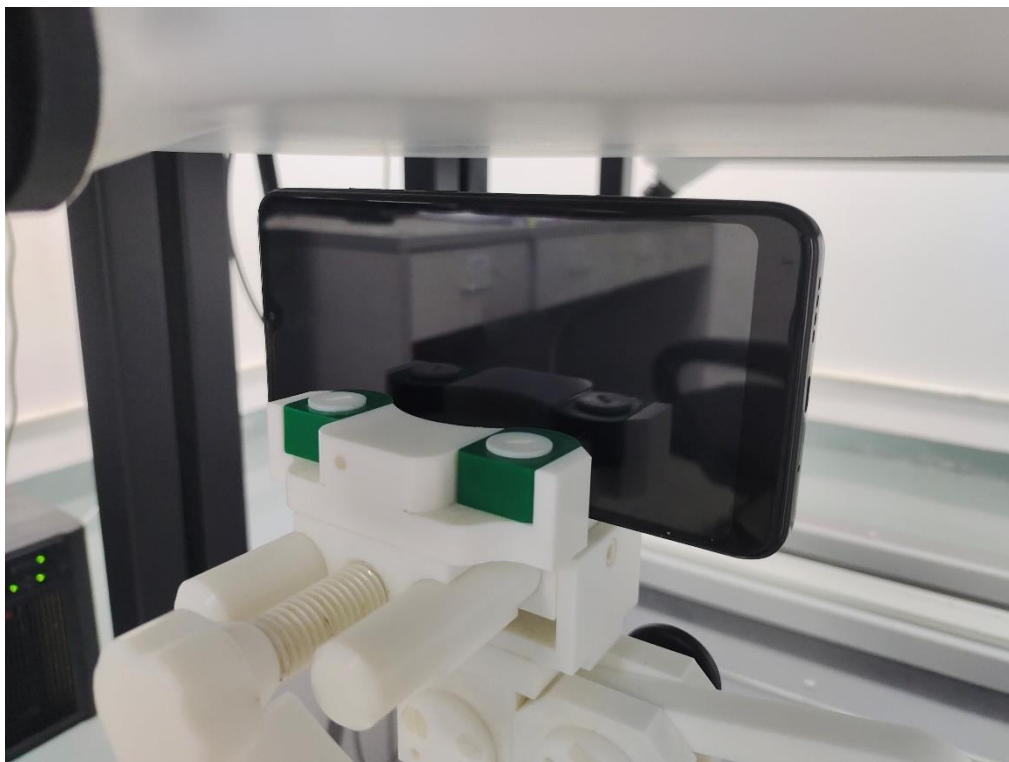
Body Back side (separation distance 10mm)



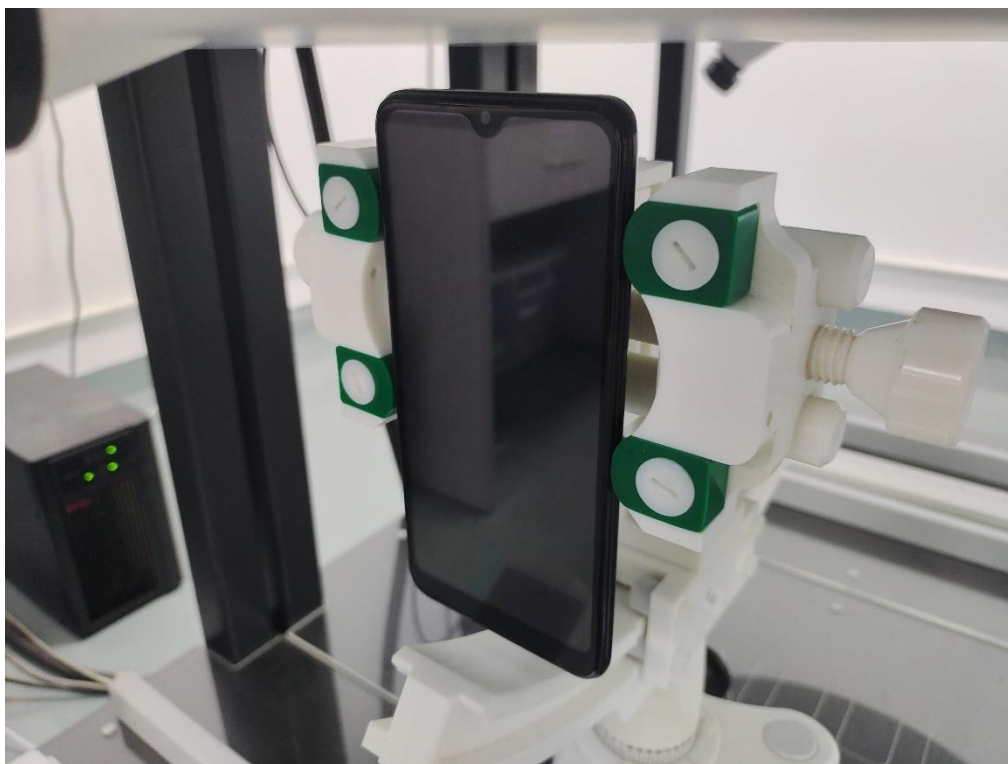
Body Left side (separation distance is 10mm)



Body Right side (separation distance is 10mm)



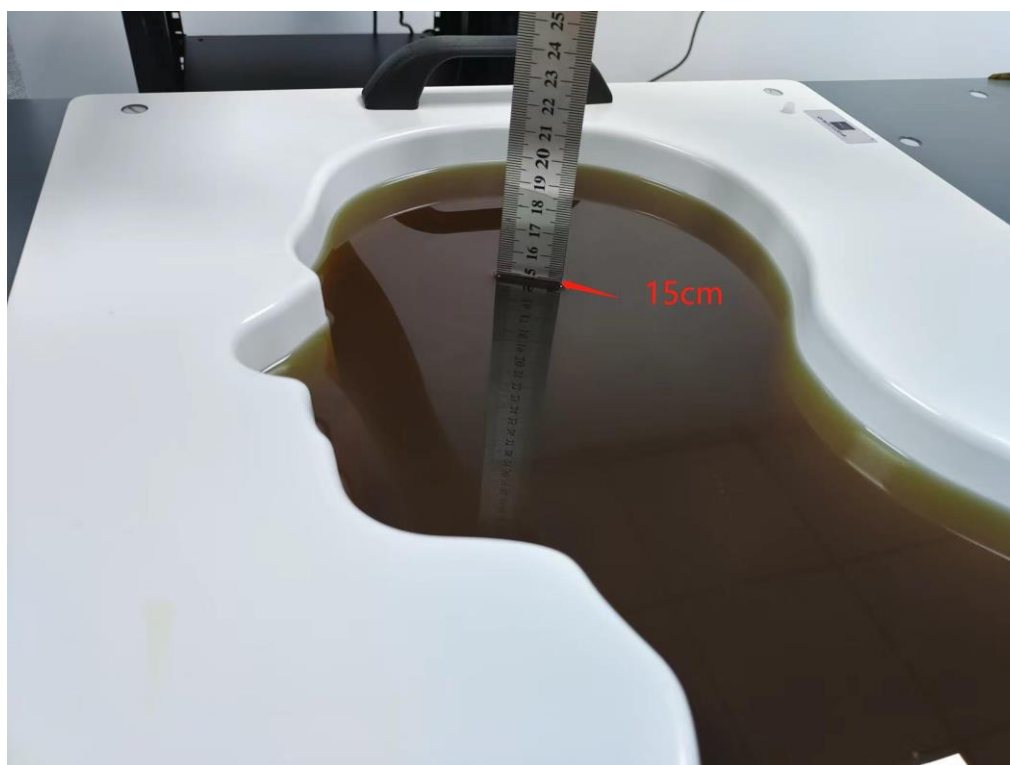
Body Top side (separation distance is 10mm)



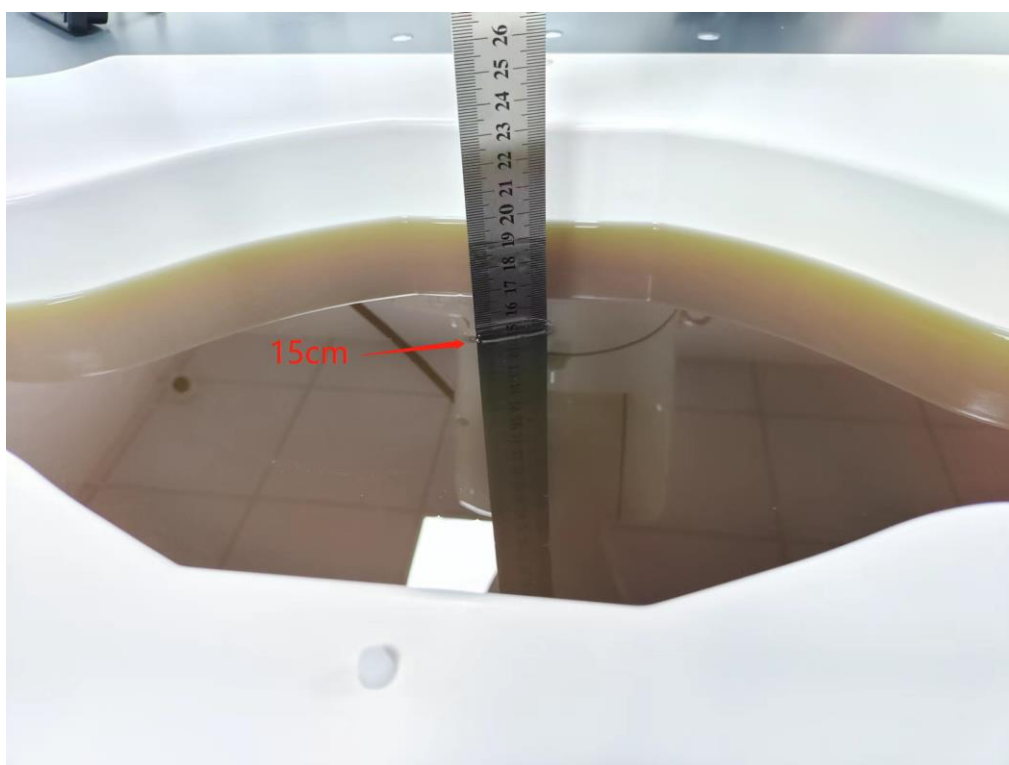
Body Bottom side (separation distance is 10mm)



Liquid depth (15 cm)



Liquid depth (15 cm)





12. SAR Result Summary

12.1 Head SAR

Band	Model	Test Position	Freq.	SAR (1g) (W/kg)	Power Drift (%)	Max. Turn-up Power (dBm)	Meas. Output Power (dBm)	Scaled SAR (W/Kg)	Meas. No.
GSM850	GSM	Right Cheek	836.6	0.020	2.79	33.50	33.07	0.022	/
		Right Tilt	836.6	0.019	2.76	33.50	33.07	0.021	/
		Left Cheek	836.6	0.043	-3.89	33.50	33.07	0.047	1
		Left Tilt	836.6	0.040	-2.01	33.50	33.07	0.044	/
PCS 1900	GSM	Right Cheek	1909.8	0.019	-3.83	30.00	29.69	0.020	/
		Right Tilt	1909.8	0.017	-1.09	30.00	29.69	0.018	/
		Left Cheek	1909.8	0.044	-2.38	30.00	29.69	0.047	3
		Left Tilt	1909.8	0.039	1.60	30.00	29.69	0.042	/
WCDMA Band II	RMC	Right Cheek	1880	0.027	0.48	22.50	22.30	0.028	/
		Right Tilt	1880	0.023	1.27	22.50	22.30	0.024	/
		Left Cheek	1880	0.059	-0.37	22.50	22.30	0.062	5
		Left Tilt	1880	0.055	3.17	22.50	22.30	0.058	/
WCDMA Band IV	RMC	Right Cheek	1752.4	0.104	1.15	22.50	22.11	0.114	/
		Right Tilt	1752.4	0.095	-1.70	22.50	22.11	0.104	/
		Left Cheek	1752.4	0.200	1.95	22.50	22.11	0.219	7
		Left Tilt	1752.4	0.183	2.06	22.50	22.11	0.200	/
WCDMA Band V	RMC	Right Cheek	826.4	0.034	-2.38	23.50	23.16	0.037	9
		Right Tilt	826.4	0.031	-1.40	23.50	23.16	0.034	/
		Left Cheek	826.4	0.029	-0.08	23.50	23.16	0.031	/
		Left Tilt	826.4	0.025	-0.27	23.50	23.16	0.027	/

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)	Scaled SAR (W/Kg)	Meas. No.
LTE Band 2	20M	QPSK	1	0	Right Cheek	1880	0.052	3.31	24.5	24.22	0.055	/
			50	0	Right Cheek	1900	0.047	-0.76	23.5	22.98	0.053	/
			1	0	Right Tilt	1880	0.045	-0.81	24.5	24.22	0.048	/
			50	0	Right Tilt	1900	0.040	-0.11	23.5	22.98	0.045	/
			1	0	Left Cheek	1880	0.135	1.84	24.5	24.22	0.144	11
			50	0	Left Cheek	1900	0.118	-2.73	23.5	22.98	0.133	/
			1	0	Left Tilt	1880	0.126	3.32	24.5	24.22	0.134	/
			50	0	Left Tilt	1900	0.107	-3.09	23.5	22.98	0.121	/
LTE Band 4	20M	QPSK	1	0	Right Cheek	1732.5	0.025	-0.57	23.5	23.35	0.026	/
			50	0	Right Cheek	1720	0.023	-2.67	22.5	22.2	0.025	/
			1	0	Right Tilt	1732.5	0.023	0.45	23.5	23.35	0.024	/
			50	0	Right Tilt	1720	0.021	-2.47	22.5	22.2	0.023	/
			1	0	Left Cheek	1732.5	0.060	3.05	23.5	23.35	0.062	13
			50	0	Left Cheek	1720	0.055	0.63	22.5	22.2	0.059	/
			1	0	Left Tilt	1732.5	0.057	-1.85	23.5	23.35	0.059	/
			50	0	Left Tilt	1720	0.052	-2.81	22.5	22.2	0.056	/



LTE Band 5	10M	QPSK	1	0	Right Cheek	836.5	0.036	0.26	24	23.42	0.041	/
			25	0	Right Cheek	829	0.032	1.66	23	23.52	0.028	/
			1	0	Right Tilt	836.5	0.035	1.66	24	23.42	0.040	/
			25	0	Right Tilt	829	0.029	3.77	23	23.52	0.026	/
			1	0	Left Cheek	836.5	0.049	1.70	24	23.42	0.056	15
			25	0	Left Cheek	829	0.045	0.05	23	23.52	0.040	/
			1	0	Left Tilt	836.5	0.046	-1.50	24	23.42	0.053	/
			25	0	Left Tilt	829	0.041	1.01	23	23.52	0.036	/
LTE Band 7	20M	QPSK	1	0	Right Cheek	2535	0.032	-3.97	23	22.9	0.033	/
			50	0	Right Cheek	2535	0.029	2.69	22	21.55	0.032	/
			1	0	Right Tilt	2535	0.030	3.31	23	22.9	0.031	/
			50	0	Right Tilt	2535	0.027	-1.99	22	21.55	0.030	/
			1	0	Left Cheek	2535	0.040	0.99	23	22.9	0.041	17
			50	0	Left Cheek	2535	0.036	-1.90	22	21.55	0.040	/
			1	0	Left Tilt	2535	0.039	-1.91	23	22.9	0.040	/
			50	0	Left Tilt	2535	0.033	0.80	22	21.55	0.037	/
LTE Band 12	10M	QPSK	1	0	Right Cheek	707.5	0.019	-1.84	24	23.88	0.020	/
			25	0	Right Cheek	704	0.017	-2.86	23.5	23.09	0.019	/
			1	0	Right Tilt	707.5	0.017	-2.39	24	23.88	0.017	/
			25	0	Right Tilt	704	0.015	-0.10	23.5	23.09	0.016	/
			1	0	Left Cheek	707.5	0.033	2.83	24	23.88	0.034	19
			25	0	Left Cheek	704	0.030	0.32	23.5	23.09	0.033	/
			1	0	Left Tilt	707.5	0.032	0.60	24	23.88	0.033	/
			25	0	Left Tilt	704	0.028	3.86	23.5	23.09	0.031	/
LTE Band 13	10M	16QAM	1	0	Right Cheek	782	0.029	-0.17	20	19.59	0.032	/
			25	0	Right Cheek	782	0.028	3.42	17.5	17.22	0.030	/
			1	0	Right Tilt	782	0.026	-1.29	20	19.59	0.029	/
			25	0	Right Tilt	782	0.026	-3.31	17.5	17.22	0.028	/
			1	0	Left Cheek	782	0.030	-2.15	20	19.59	0.033	21
			25	0	Left Cheek	782	0.028	3.22	17.5	17.22	0.030	/
			1	0	Left Tilt	782	0.027	-0.28	20	19.59	0.030	/
			25	0	Left Tilt	782	0.025	-1.42	17.5	17.22	0.027	/
LTE Band 17	10M	QPSK	1	0	Right Cheek	710	0.027	1.28	24	23.9	0.028	/
			25	0	Right Cheek	710	0.025	3.59	23	22.92	0.025	/
			1	0	Right Tilt	710	0.026	3.62	24	23.9	0.027	/
			25	0	Right Tilt	710	0.023	1.93	23	22.92	0.023	/
			1	0	Left Cheek	710	0.046	1.82	24	23.9	0.047	23
			25	0	Left Cheek	710	0.043	1.91	23	22.92	0.044	/
			1	0	Left Tilt	710	0.044	-1.58	24	23.9	0.045	/
			25	0	Left Tilt	710	0.040	-1.06	23	22.92	0.041	/
LTE Band 66	20M	QPSK	1	0	Right Cheek	1745	0.047	3.12	24.5	23.94	0.053	/
			50	0	Right Cheek	1720	0.045	-2.89	23	23.75	0.038	/
			1	0	Right Tilt	1745	0.045	-0.33	24.5	23.94	0.051	/
			50	0	Right Tilt	1720	0.042	-1.38	23	23.75	0.035	/
			1	0	Left Cheek	1745	0.111	-3.19	24.5	23.94	0.126	25
			50	0	Left Cheek	1720	0.097	1.96	23	23.75	0.082	/
			1	0	Left Tilt	1745	0.106	1.39	24.5	23.94	0.121	/
			50	0	Left Tilt	1720	0.095	-3.07	23	23.75	0.080	/



Band	Model	Test Position	Freq.	SAR (1g) (W/kg)	Power Drift (%)	Max. Turn-up Power (dBm)	Meas. Output Power (dBm)	Scaled SAR (W/Kg)	Meas. No.
2.4G WLAN	802.11b	Right Cheek	2462	0.078	-0.85	19.00	18.87	0.080	/
		Right Tilt	2462	0.084	-2.32	19.00	18.87	0.087	/
		Left Cheek	2462	0.165	-2.41	19.00	18.87	0.170	/
		Left Tilt	2462	0.184	1.87	19.00	18.87	0.190	27
BT	8DPSK	Right Cheek	2402	0.018	2.78	9.50	9.11	0.020	/
		Right Tilt	2402	0.020	3.53	9.50	9.11	0.022	/
		Left Cheek	2402	0.02	3.12	9.50	9.11	0.022	/
		Left Tilt	2402	0.024	3.43	9.50	9.11	0.026	29
5.2G WLAN	802.11 n-HT20	Right Cheek	5240	0.651	3.68	14.50	14.06	0.720	/
		Right Tilt	5240	0.709	-0.32	14.50	14.06	0.785	/
		Left Cheek	5240	0.714	-1.97	14.50	14.06	0.790	/
		Left Tilt	5180	0.633	3.71	14.50	13.72	0.758	/
		Left Tilt	5200	0.610	-3.40	14.50	13.59	0.752	/
		Left Tilt	5240	0.898	1.75	14.50	14.06	0.994	31
5.3G WLAN	802.11 n-HT20	Right Cheek	5320	0.697	-0.59	15.00	14.61	0.762	/
		Right Tilt	5260	0.605	-0.26	15.00	13.89	0.781	/
		Right Tilt	5300	0.587	-3.82	15.00	13.86	0.763	/
		Right Tilt	5320	0.844	-2.77	15.00	14.61	0.923	/
		Left Cheek	5260	0.716	2.87	15.00	13.89	0.925	/
		Left Cheek	5300	0.661	-0.50	15.00	13.86	0.859	/
		Left Cheek	5320	0.892	1.99	15.00	14.61	0.976	/
		Left Tilt	5260	0.835	-1.29	15.00	13.89	1.078	/
		Left Tilt	5300	0.772	-0.94	15.00	13.86	1.004	/
		Left Tilt	5320	1.065	-0.10	15.00	14.61	1.165	33
5.6G WLAN	802.11 n-HT20	Right Cheek	5500	0.349	-3.51	15.50	15.37	0.360	/
		Right Tilt	5500	0.424	1.98	15.50	15.37	0.437	/
		Left Cheek	5500	0.470	-2.43	15.50	15.37	0.484	/
		Left Tilt	5500	0.559	-0.22	15.50	15.37	0.576	35
5.8G WLAN	802.11 n-HT20	Right Cheek	5745	0.091	3.75	15.00	14.54	0.101	/
		Right Tilt	5745	0.108	3.36	15.00	14.54	0.120	/
		Left Cheek	5745	0.117	1.94	15.00	14.54	0.130	/
		Left Tilt	5745	0.135	-2.33	15.00	14.54	0.150	37

Note:

- Per KDB 447498 D04, 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
- Per KDB 865664 D01, Repeated measurement is not required when the original highest measured SAR is <0.80 W/kg



12.2 Body-worn and Hotspot SAR

Band	Model	Test Position	Freq.	SAR (1g) (W/kg)	Power Drift (%)	Max. Turn-up Power (dBm)	Meas. Output Power (dBm)	Scaled SAR (W/Kg)	Meas. No.
GSM850	GPRS (GMSK, 2-Slot)	Front Side	836.6	0.042	-2.38	31.50	31.18	0.045	/
		Back Side	836.6	0.054	1.13	31.50	31.18	0.058	2
		Left Side	836.6	0.035	2.99	31.50	31.18	0.038	/
		Right Side	836.6	0.020	1.90	31.50	31.18	0.022	/
		Top Side	836.6	0.012	-3.75	31.50	31.18	0.013	/
		Bottom Side	836.6	0.015	0.00	31.50	31.18	0.016	/
PCS 1900	GPRS (GMSK, 3-Slot)	Front Side	1909.8	0.045	-1.15	26.50	25.92	0.051	4
		Back Side	1909.8	0.043	2.50	26.50	25.92	0.049	/
		Left Side	1909.8	0.029	0.79	26.50	25.92	0.033	/
		Right Side	1909.8	0.022	-2.73	26.50	25.92	0.025	/
		Bottom Side	1909.8	0.035	3.04	26.50	25.92	0.040	/
WCDMA Band II	RMC	Front Side	1880	0.156	-0.74	22.50	22.30	0.163	6
		Back Side	1880	0.127	1.06	22.50	22.30	0.133	/
		Left Side	1880	0.078	1.74	22.50	22.30	0.082	/
		Right Side	1880	0.054	3.42	22.50	22.30	0.057	/
		Bottom Side	1880	0.096	-0.32	22.50	22.30	0.101	/
WCDMA Band IV	RMC	Front Side	1752.4	0.024	2.97	22.50	22.11	0.026	/
		Back Side	1752.4	0.085	-3.26	22.50	22.11	0.093	/
		Left Side	1752.4	0.043	-0.55	22.50	22.11	0.047	/
		Right Side	1752.4	0.028	-3.62	22.50	22.11	0.031	/
		Bottom Side	1752.4	0.108	-2.04	22.50	22.11	0.118	8
WCDMA Band V	RMC	Front Side	826.4	0.033	-1.75	23.50	23.16	0.036	10
		Back Side	826.4	0.024	0.79	23.50	23.16	0.026	/
		Left Side	826.4	0.026	2.35	23.50	23.16	0.028	/
		Right Side	826.4	0.020	0.75	23.50	23.16	0.022	/
		Bottom Side	826.4	0.010	1.64	23.50	23.16	0.011	/

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)	Scaled SAR (W/Kg)	Meas. No.
LTE Band 2	20M	QPSK	1	0	Front side	1860	0.223	-2.86	24.5	23.84	0.000	/
			1	0	Front side	1880	0.317	-0.18	24.5	24.22	0.338	12
			1	0	Front side	1900	0.275	-2.31	24.5	24	0.000	/
			50	0	Front side	1900	0.268	-1.29	23.5	22.98	0.302	/
			1	0	Back Side	1880	0.292	0.26	24.5	24.22	0.311	/
			50	0	Back Side	1900	0.230	3.61	23.5	22.98	0.259	/
			1	0	Left Side	1880	0.127	1.28	24.5	24.22	0.135	/
			50	0	Left Side	1900	0.106	-3.85	23.5	22.98	0.119	/
			1	0	Right Side	1880	0.113	3.15	24.5	24.22	0.121	/
			50	0	Right Side	1900	0.092	-1.65	23.5	22.98	0.104	/
			1	0	Bottom Side	1880	0.238	-2.87	24.5	24.22	0.254	/
			50	0	Bottom Side	1900	0.185	3.42	23.5	22.98	0.209	/



LTE Band 4	20M	QPSK	1	0	Front side	1732.5	0.126	-2.45	23.5	23.35	0.130	/
			50	0	Front side	1720	0.110	3.53	22.5	22.2	0.118	/
			1	0	Back Side	1732.5	0.133	2.71	23.5	23.35	0.138	/
			50	0	Back Side	1720	0.117	2.10	22.5	22.2	0.125	/
			1	0	Left Side	1732.5	0.082	1.33	23.5	23.35	0.085	/
			50	0	Left Side	1720	0.075	-0.20	22.5	22.2	0.080	/
			1	0	Right Side	1732.5	0.064	-1.27	23.5	23.35	0.066	/
			50	0	Right Side	1720	0.060	-2.18	22.5	22.2	0.064	/
			1	0	Bottom Side	1732.5	0.146	-1.60	23.5	23.35	0.151	14
			50	0	Bottom Side	1720	0.132	1.48	22.5	22.2	0.141	/
LTE Band 5	10M	QPSK	1	0	Front side	836.5	0.026	-1.69	24	23.42	0.030	/
			25	0	Front side	829	0.023	3.20	23	23.52	0.020	/
			1	0	Back Side	836.5	0.036	3.30	24	23.42	0.041	16
			25	0	Back Side	829	0.031	0.95	23	23.52	0.028	/
			1	0	Left Side	836.5	0.027	-2.41	24	23.42	0.031	/
			25	0	Left Side	829	0.025	2.89	23	23.52	0.022	/
			1	0	Right Side	836.5	0.021	-1.31	24	23.42	0.024	/
			25	0	Right Side	829	0.020	3.62	23	23.52	0.018	/
			1	0	Bottom Side	836.5	0.014	-0.49	24	23.42	0.016	/
			25	0	Bottom Side	829	0.012	-1.15	23	23.52	0.011	/
LTE Band 7	20M	QPSK	1	0	Front side	2535	0.033	-1.67	23	22.9	0.034	/
			50	0	Front side	2535	0.030	-2.33	22	21.55	0.033	/
			1	0	Back Side	2535	0.103	0.15	23	22.9	0.105	18
			50	0	Back Side	2535	0.090	1.62	22	21.55	0.100	/
			1	0	Left Side	2535	0.065	1.88	23	22.9	0.067	/
			50	0	Left Side	2535	0.060	2.87	22	21.55	0.067	/
			1	0	Right Side	2535	0.041	1.94	23	22.9	0.042	/
			50	0	Right Side	2535	0.036	-1.74	22	21.55	0.040	/
			1	0	Bottom Side	2535	0.027	-3.23	23	22.9	0.028	/
			50	0	Bottom Side	2535	0.022	3.09	22	21.55	0.024	/
LTE Band 12	10M	QPSK	1	0	Front side	707.5	0.023	3.94	24	23.88	0.024	/
			25	0	Front side	704	0.021	0.99	23.5	23.09	0.023	/
			1	0	Back Side	707.5	0.057	2.25	24	23.88	0.059	20
			25	0	Back Side	704	0.053	0.21	23.5	23.09	0.058	/
			1	0	Left Side	707.5	0.027	2.57	24	23.88	0.028	/
			25	0	Left Side	704	0.025	2.41	23.5	23.09	0.027	/
			1	0	Right Side	707.5	0.022	3.78	24	23.88	0.023	/
			25	0	Right Side	704	0.020	-0.15	23.5	23.09	0.022	/
			1	0	Bottom Side	707.5	0.022	1.09	24	23.88	0.023	/
			25	0	Bottom Side	704	0.021	-3.39	23.5	23.09	0.023	/
LTE Band 13	10M	16QAM	1	0	Front side	782	0.011	-3.48	20	19.59	0.012	/
			25	0	Front side	782	0.010	-2.07	17.5	17.22	0.011	/
			1	0	Back Side	782	0.021	2.43	20	19.59	0.023	/
			25	0	Back Side	782	0.019	1.06	17.5	17.22	0.020	/
			1	0	Left Side	782	0.013	-0.35	20	19.59	0.014	/
			25	0	Left Side	782	0.011	-0.12	17.5	17.22	0.012	/
			1	0	Right Side	782	0.010	-0.45	20	19.59	0.011	/
			25	0	Right Side	782	0.009	0.20	17.5	17.22	0.010	/
			1	0	Bottom Side	782	0.033	0.80	20	19.59	0.036	22
			25	0	Bottom Side	782	0.030	-2.12	17.5	17.22	0.032	/
	10M	QPSK	1	0	Front side	710	0.021	2.45	24	23.9	0.021	/



LTE Band 17			25	0	Front side	710	0.018	-2.18	23	22.92	0.018	/
			1	0	Back Side	710	0.022	-0.69	24	23.9	0.023	/
			25	0	Back Side	710	0.020	3.16	23	22.92	0.020	/
			1	0	Left Side	710	0.014	-2.67	24	23.9	0.014	/
			25	0	Left Side	710	0.011	3.38	23	22.92	0.011	/
			1	0	Right Side	710	0.012	-1.37	24	23.9	0.012	/
			25	0	Right Side	710	0.011	-3.68	23	22.92	0.011	/
			1	0	Bottom Side	710	0.032	-0.66	24	23.9	0.033	24
			25	0	Bottom Side	710	0.028	-2.66	23	22.92	0.029	/
LTE Band 66	20M	QPSK	1	0	Front side	1745	0.142	1.74	24.5	23.94	0.162	/
			50	0	Front side	1720	0.125	2.58	23	23.75	0.105	/
			1	0	Back Side	1745	0.196	3.19	24.5	23.94	0.223	26
			50	0	Back Side	1720	0.157	-2.91	23	23.75	0.132	/
			1	0	Left Side	1745	0.106	0.27	24.5	23.94	0.121	/
			50	0	Left Side	1720	0.099	2.22	23	23.75	0.083	/
			1	0	Right Side	1745	0.058	3.77	24.5	23.94	0.066	/
			50	0	Right Side	1720	0.052	1.00	23	23.75	0.044	/
			1	0	Bottom Side	1745	0.163	3.15	24.5	23.94	0.185	/
			50	0	Bottom Side	1720	0.141	3.85	23	23.75	0.119	/

Band	Model	Test Position	Freq.	SAR (1g) (W/kg)	Power Drift (%)	Max. Turn-up Power (dBm)	Meas. Output Power (dBm)	Scaled SAR (W/Kg)	Meas. No.
2.4GHz WLAN	802.11b	Front Side	2462	0.022	-0.81	19.00	18.87	0.023	/
		Back Side	2462	0.022	-0.66	19.00	18.87	0.023	/
		Right Side	2462	0.018	2.22	19.00	18.87	0.019	/
		Top Side	2462	0.036	0.79	19.00	18.87	0.037	28
BT	8DPSK	Front Side	2402	0.018	-0.12	9.50	9.11	0.020	/
		Back Side	2402	0.031	-0.62	9.50	9.11	0.034	30
		Right Side	2402	0.015	3.10	9.50	9.11	0.016	/
		Top Side	2402	0.023	0.70	9.50	9.11	0.025	/
5.2GHz WLAN	802.11 n-HT20	Front Side	5240	0.061	1.08	14.50	14.06	0.068	/
		Back Side	5240	0.097	0.41	14.50	14.06	0.107	/
		Right Side	5240	0.033	2.08	14.50	14.06	0.037	/
		Top Side	5240	0.150	3.58	14.50	14.06	0.166	32
5.3GHz WLAN	802.11 n-HT20	Front Side	5320	0.061	2.41	15.00	14.61	0.067	/
		Back Side	5320	0.119	-2.09	15.00	14.61	0.130	/
		Right Side	5320	0.056	3.83	15.00	14.61	0.061	/
		Top Side	5320	0.131	-0.20	15.00	14.61	0.143	34
5.6GHz WLAN	802.11 n-HT20	Front Side	5500	0.039	1.79	15.50	15.37	0.040	/
		Back Side	5500	0.049	-1.91	15.50	15.37	0.050	/
		Right Side	5500	0.053	-3.67	15.50	15.37	0.055	36
		Top Side	5500	0.035	-1.30	15.50	15.37	0.036	/
5.8GHz WLAN	802.11 n-HT20	Front Side	5745	0.057	-2.95	15.00	14.54	0.063	/
		Back Side	5745	0.099	0.00	15.00	14.54	0.110	38
		Right Side	5745	0.041	-1.00	15.00	14.54	0.046	/
		Top Side	5745	0.061	-1.27	15.00	14.54	0.068	/



Note:

1. The test separation of all above table is 5mm.
2. Per KDB 447498 D04, the reported SAR is the measured SAR value adjusted for maximum tune-up tolerance.
 - a. Tune-up scaling Factor = tune-up limit power (mW) / EUT RF power (mW), where tune-up limit is the maximum rated power among all production units.
 - b. Scaled SAR(W/kg) = Measured SAR(W/kg) *Tune-up Scaling Factor
3. When the user enables the personal Wireless router functions for the handsets, actual operations include simultaneous transmission of both the Wi-Fi transmitting frequency and thus cannot be evaluated for SAR under actual use conditions. The "Portable Hotspot" feature on the handset was NOT activated, to ensure the SAR measurements were evaluated for a single transmission frequency RF signal.



Repeated SAR

Band	Mode	Test Position	Freq.	Result 1g (W/Kg)	Power Drift (%)	Max. Turn-up Power (dBm)	Meas. Output Power (dBm)	Scaled SAR (W/Kg)
5.2G WLAN	802.11 n-HT20	Left Tilt	5240	0.884	-3.06	14.50	14.06	0.979
5.3G WLAN	802.11 n-HT20	Right Tilt	5320	0.823	-1.94	15.00	14.61	0.901
		Left Cheek	5260	0.698	-3.55	15.00	13.89	0.902
		Left Cheek	5300	0.644	-0.82	15.00	13.86	0.838
		Left Cheek	5320	0.865	3.14	15.00	14.61	0.946
		Left Tilt	5260	0.796	-3.6	15.00	13.89	1.028
		Left Tilt	5300	0.764	-2.93	15.00	13.86	0.994
		Left Tilt	5320	1.031	2.31	15.00	14.61	1.128

Repeated SAR measurement

Band	Mode	Test Position	Freq.	Original Measured SAR 1g(W/kg)	1 st Repeated SAR 1g	Ratio
5.2G WLAN	802.11 n-HT20	Left Tilt	5240	0.898	0.884	1.015
5.3G WLAN	802.11 n-HT20	Right Tilt	5320	0.844	0.823	1.025
		Left Cheek	5260	0.716	0.698	1.025
		Left Cheek	5300	0.661	0.644	1.026
		Left Cheek	5320	0.892	0.865	1.031
		Left Tilt	5260	0.835	0.796	1.049
		Left Tilt	5300	0.772	0.764	1.010
		Left Tilt	5320	1.065	1.031	1.033

Note:

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



Simultaneous Multi-band Transmission Evaluation:

Application Simultaneous Transmission information:

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

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 Appendix E, 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:
$$SAR_{est} = 1.6 \cdot P_{ant} / P_{th} [W/kg]$$

P_{ant} is maximum time-averaged power or effective radiated power (ERP), whichever is greater, and P_{th} is defined in Formula KDB 447498 (B.2). 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.



Simultaneous Mode	Position	Mode	Max. 1-g SAR	1-g Sum SAR
			(W/kg)	(W/kg)
GSM + 2.4G WLAN	Head	GSM	0.047	0.237
		2.4G WLAN	0.190	
	Body	GSM	0.058	0.095
		2.4G WLAN	0.037	
GSM + Bluetooth	Head	GSM	0.047	0.073
		Bluetooth	0.026	
	Body	GSM	0.058	0.092
		Bluetooth	0.034	
GSM + 5G WLAN	Head	GSM	0.047	1.212
		5G WLAN	1.165	
	Body	GSM	0.058	0.224
		5G WLAN	0.166	
WCDMA + 2.4G WLAN	Head	WCDMA	0.219	0.409
		2.4G WLAN	0.190	
	Body	WCDMA	0.163	0.200
		2.4G WLAN	0.037	
WCDMA + Bluetooth	Head	WCDMA	0.219	0.245
		Bluetooth	0.026	
	Body	WCDMA	0.163	0.197
		Bluetooth	0.034	
WCDMA + 5G WLAN	Head	WCDMA	0.219	1.384
		5G WLAN	1.165	
	Body	WCDMA	0.163	0.329
		5G WLAN	0.166	
LTE + 2.4G WLAN	Head	LTE	0.144	0.334
		2.4G WLAN	0.190	
	Body	LTE	0.338	0.375
		2.4G WLAN	0.037	
LTE + Bluetooth	Head	LTE	0.144	0.170
		Bluetooth	0.026	
	Body	LTE	0.338	0.372
		Bluetooth	0.034	
LTE + 5G WLAN	Head	LTE	0.144	1.309
		5G WLAN	1.165	
	Body	LTE	0.338	0.504
		5G WLAN	0.166	

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	2023.02.10	2024.02.09
Dielectric Probe Kit	MVG	OCPG 87	SN 06/22 OCPG87	2023.02.10	2024.02.09
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 holder	MVG	LSH 36	SN 06/22 LSH 38	N/A	N/A
Directional coupler	SHW	SHWDCP	202203280013	N/A	N/A
Network Analyzer	Agilent	E5071C	MY46418070	2022.03.28	2023.03.27
Multi Meter	Keithley	DMM6500	DMM6500	2022.05.05	2023.05.04
Signal Generator	Keithley	N5182B	MY59100717	2022.04.29	2023.04.28
Wireless Communication Test Set	R&S	CMW500	137737	2022.04.29	2023.04.28
Power Sensor	R&S	Z11	116184	2022.03.28	2023.03.27
Temperature hygrometer	N/A	ST-W2318	N/A	2022.05.05	2023.05.04
Thermograph	N/A	TP101	N/A	2022.05.05	2023.05.04



Appendix A. System Validation Plots

System Performance Check Data (750MHz)

Type: Phone measurement (Complete)

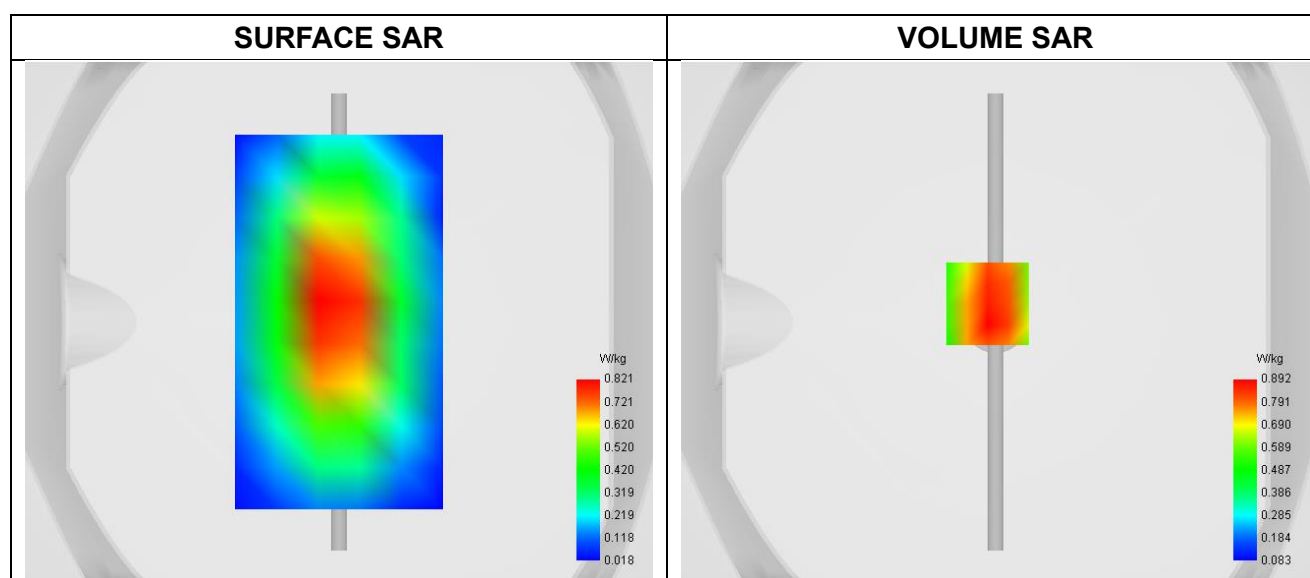
Area scan resolution: dx=8mm,dy=8mm

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

Date of measurement: 2023-03-15

Experimental conditions.

Phantom	Validation plane
Device Position	Dipole
Band	CW750
Channels	Middle
Signal	CW
Frequency (MHz)	750.000
Relative permittivity	41.90
Conductivity (S/m)	0.89
Probe	SN 04/22 EPGO364
ConvF	1.69
Crest factor:	1:1

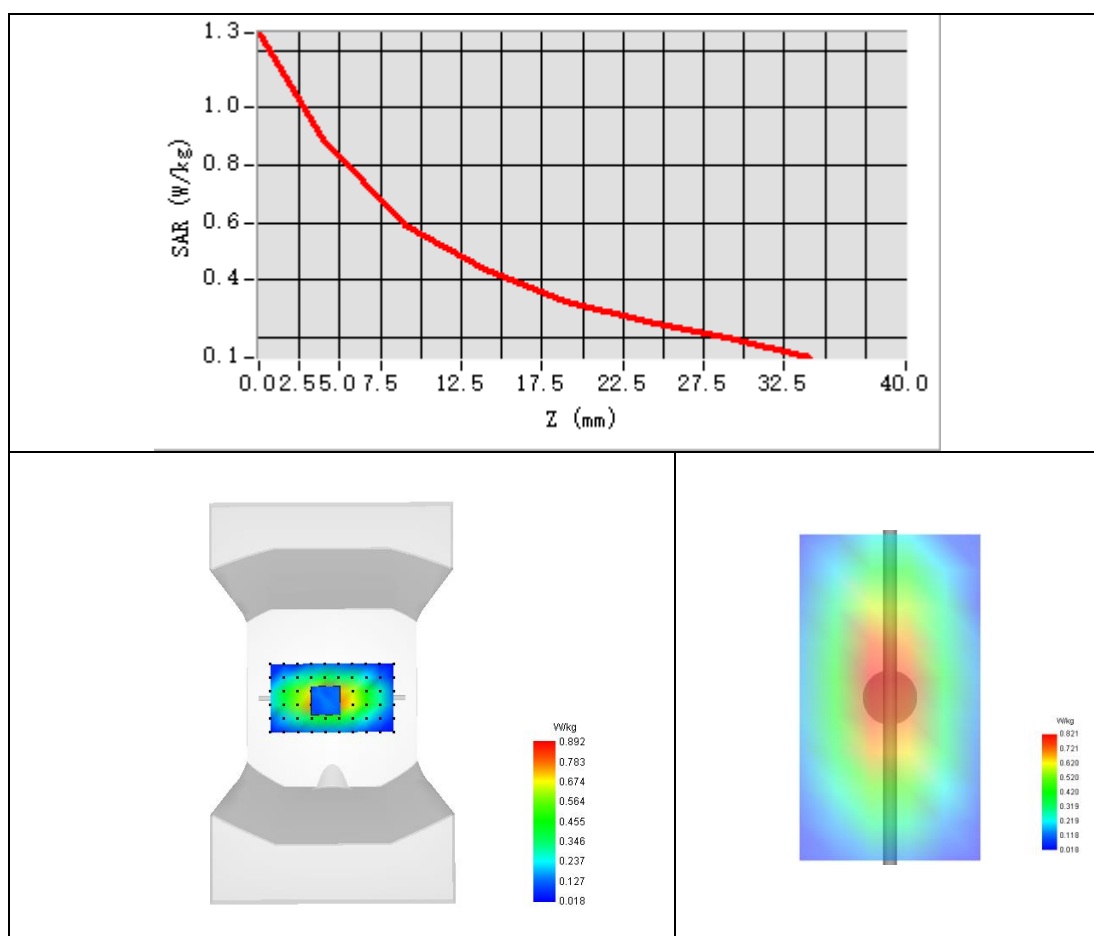


Maximum location: X=-3.00, Y=7.00 ; SAR Peak: 1.22 W/kg

SAR 10g (W/Kg)	0.596
SAR 1g (W/Kg)	0.894



Z Axis Scan





System Performance Check Data (835MHz)

Type: Phone measurement (Complete)

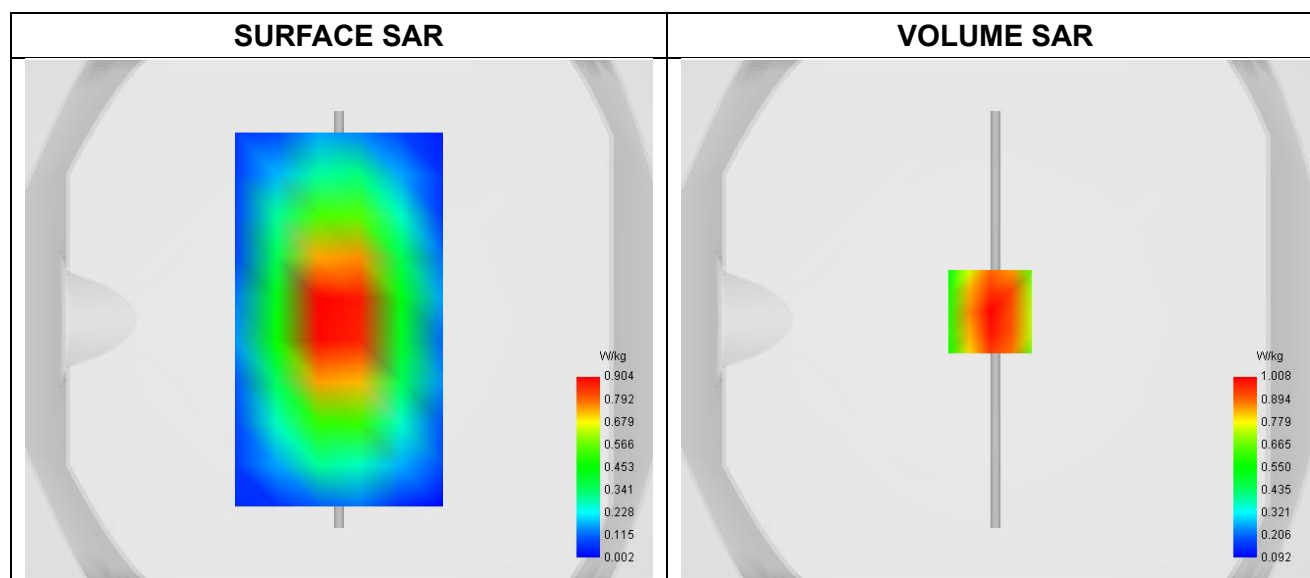
Area scan resolution: dx=8mm,dy=8mm

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

Date of measurement: 2023-03-16

Experimental conditions.

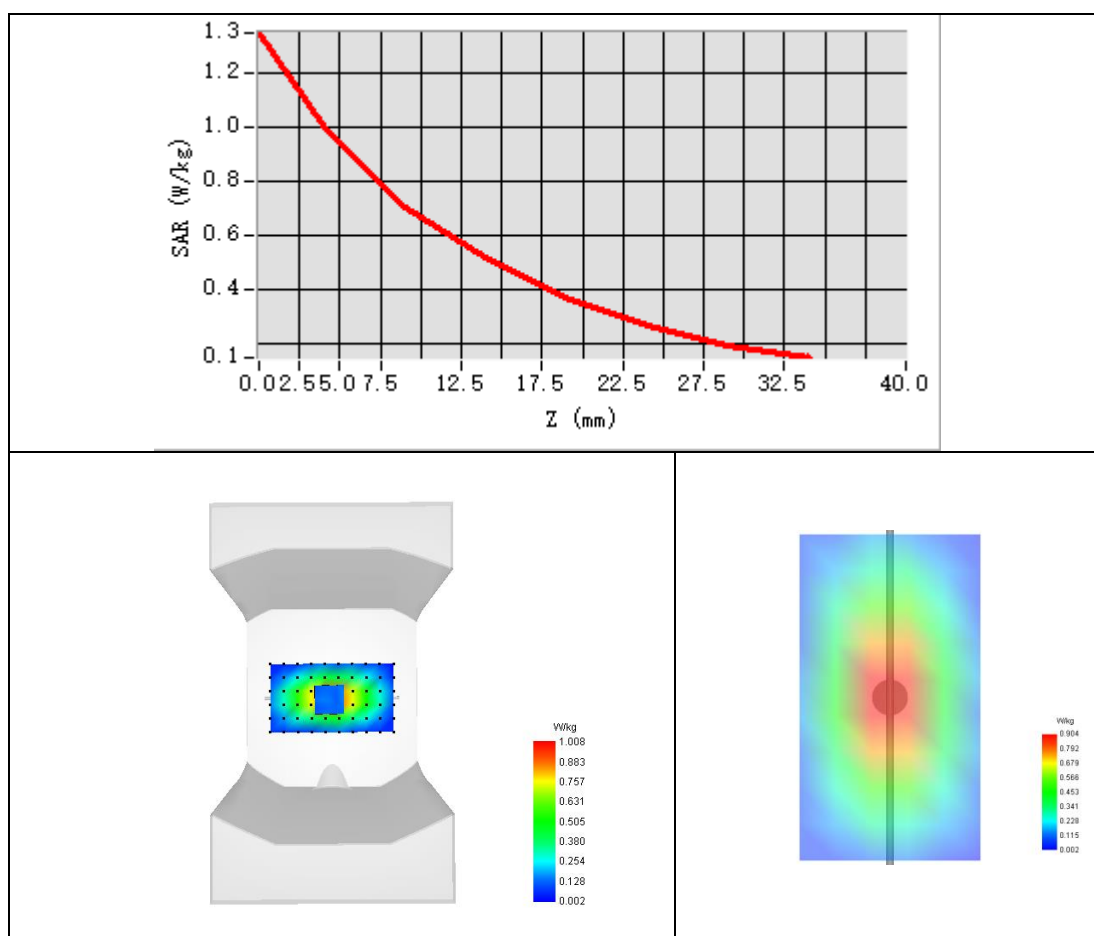
Phantom	Validation plane
Device Position	Dipole
Band	CW835
Channels	Middle
Signal	CW
Frequency (MHz)	835.000
Relative permittivity	40.54
Conductivity (S/m)	0.86
Probe	SN 04/22 EPGO364
ConvF	1.72
Crest factor:	1:1



Maximum location: X=-2.00, Y=3.00 ; SAR Peak: 1.38 W/kg

SAR 10g (W/Kg)	0.648
SAR 1g (W/Kg)	0.958

Z Axis Scan





System Performance Check Data (1800MHz)

Type: Phone measurement (Complete)

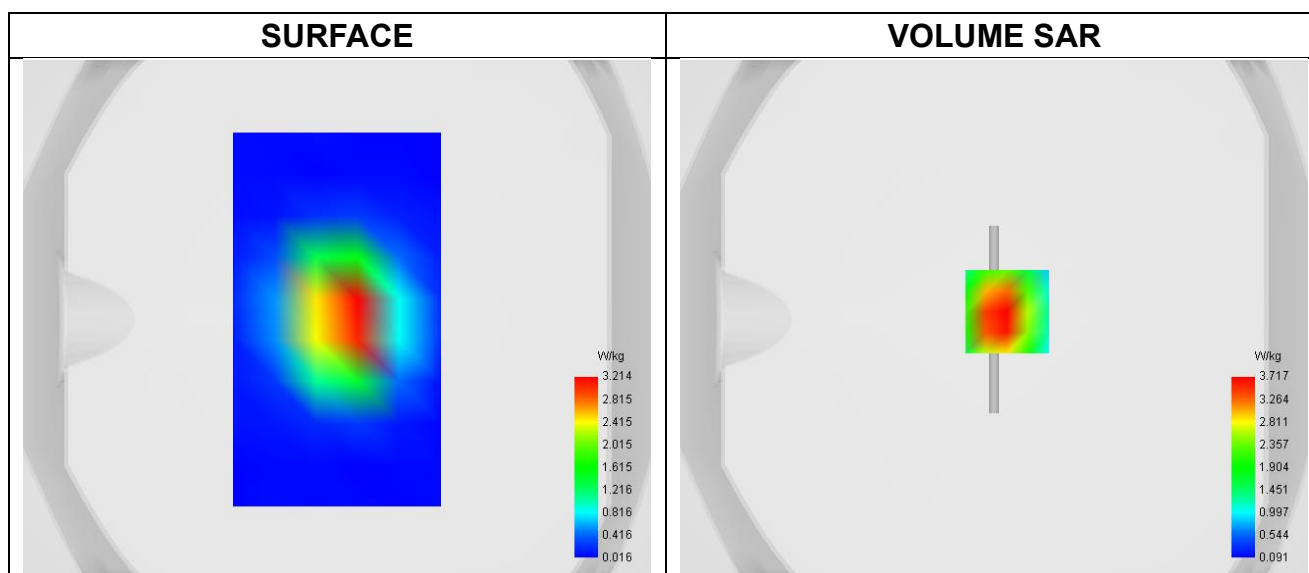
Area scan resolution: dx=8mm, dy=8mm

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

Date of measurement: 2023-03-17

Experimental conditions.

Phantom	Validation plane
Device Position	Dipole
Band	CW1800
Channels	Middle
Signal	CW
Frequency (MHz)	1800.000
Relative permittivity	40.82
Conductivity (S/m)	1.38
Probe	SN 04/22 EPGO364
ConvF	1.95
Crest factor:	1:1

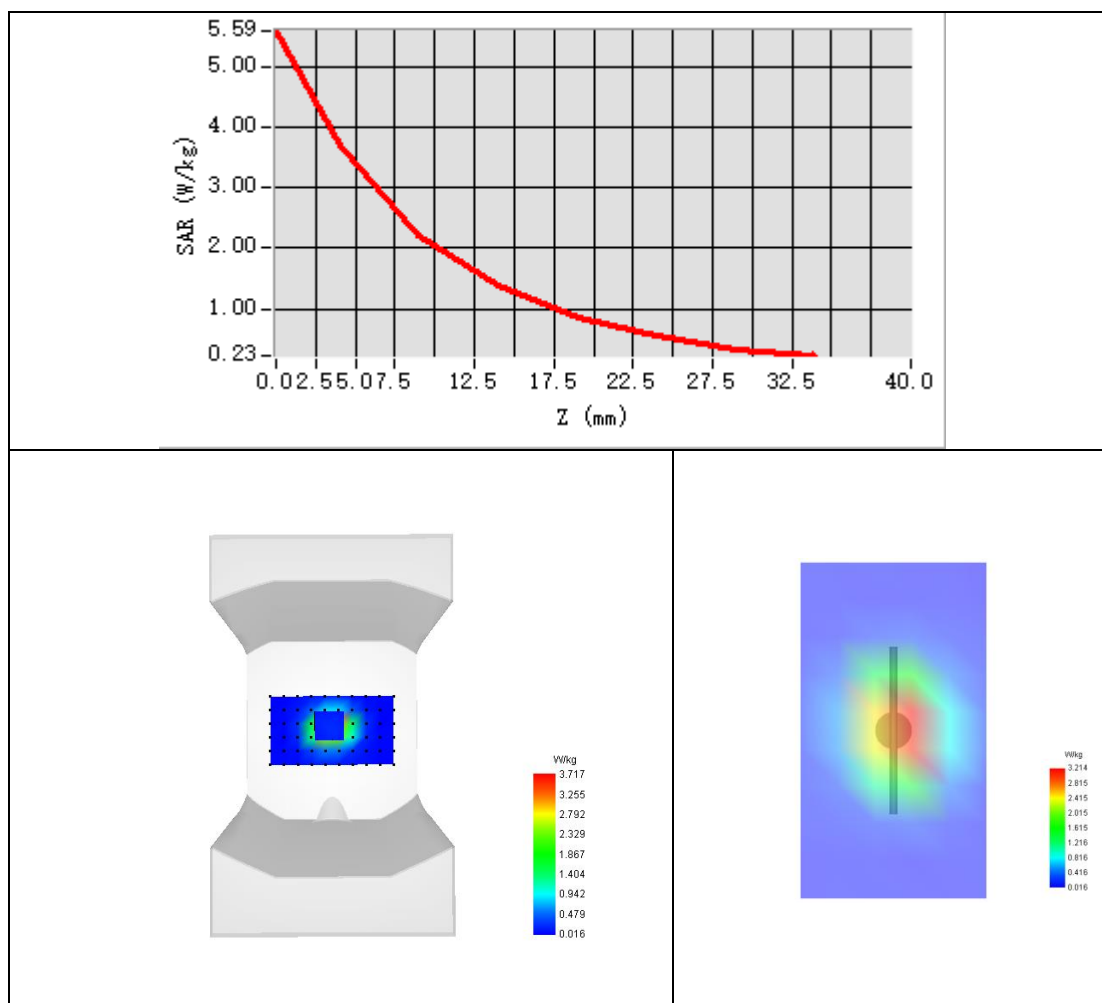


Maximum location: X=5.00, Y=3.00 ; SAR Peak: 5.88 W/kg

SAR 10g (W/Kg)	1.999
SAR 1g (W/Kg)	3.652



Z Axis Scan





System Performance Check Data (1900MHz)

Type: Phone measurement (Complete)

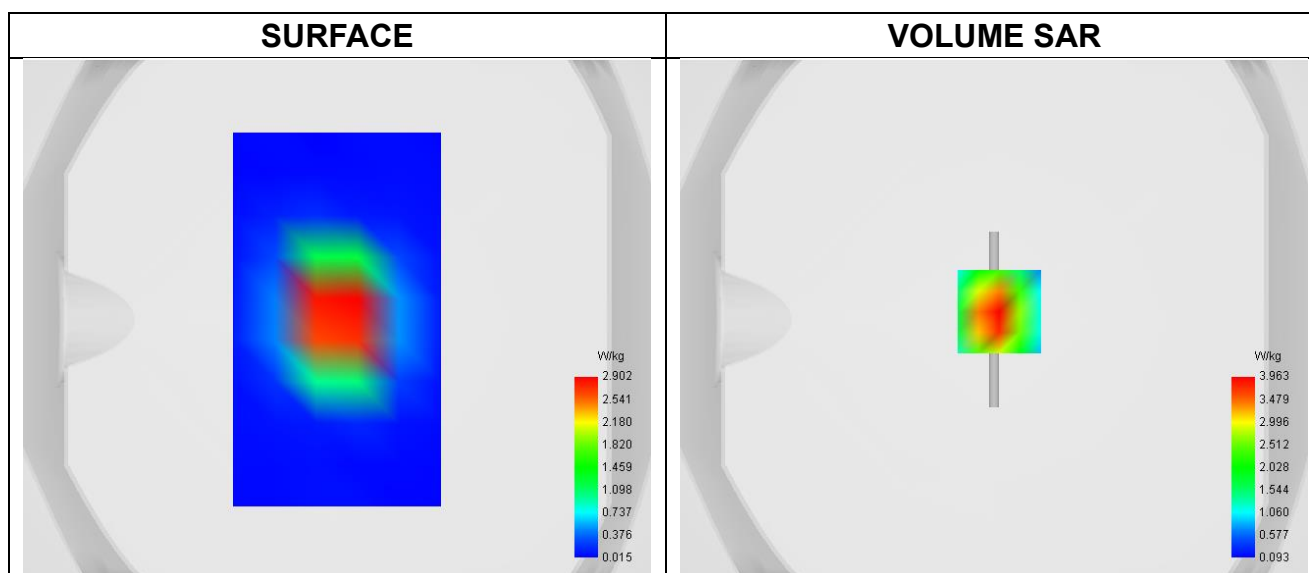
Area scan resolution: dx=8mm, dy=8mm

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

Date of measurement: 2023-03-04

Experimental conditions.

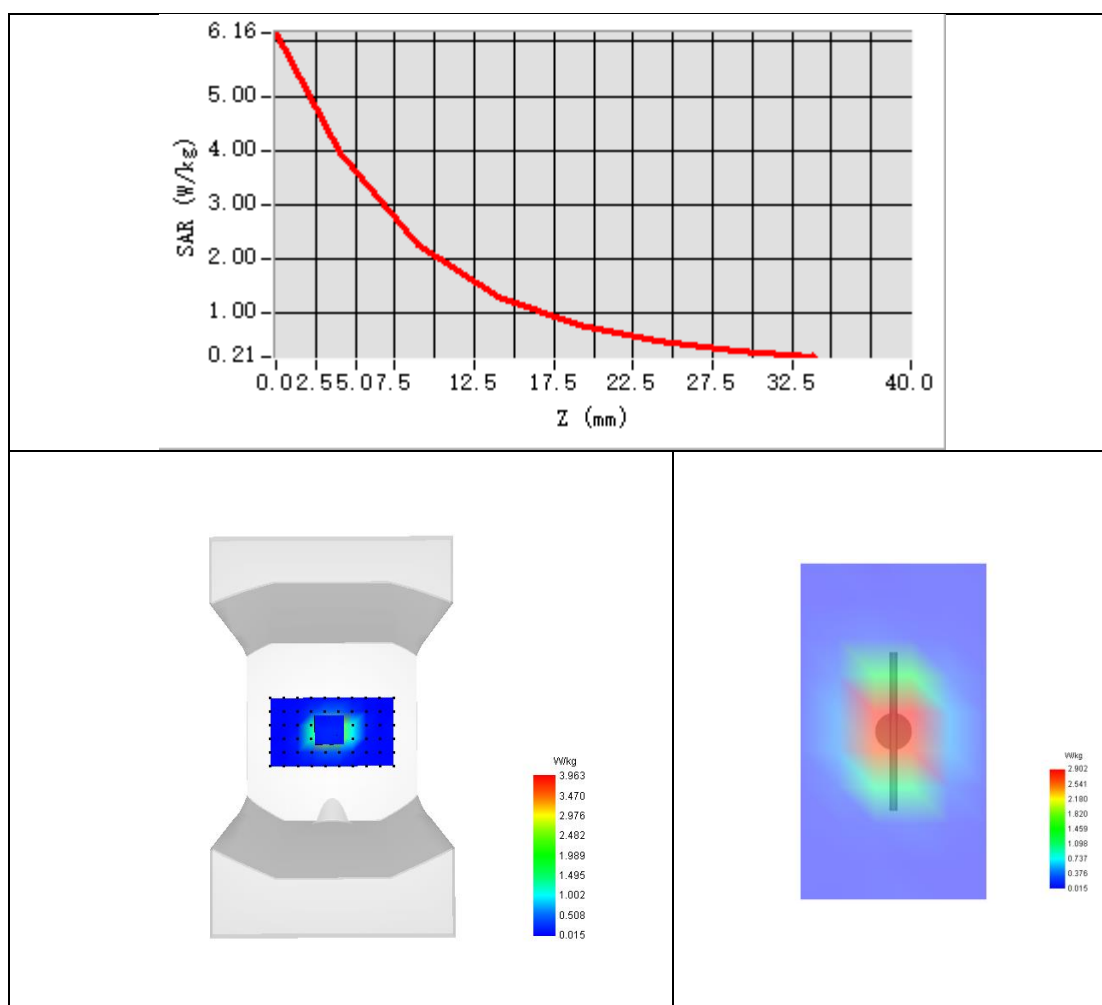
Phantom	Validation plane
Device Position	Dipole
Band	CW1900
Channels	Middle
Signal	CW
Frequency (MHz)	1900.000
Relative permittivity	41.24
Conductivity (S/m)	1.42
Probe	SN 04/22 EPGO364
ConvF	2.25
Crest factor:	1:1



Maximum location: X=2.00, Y=3.00 ; SAR Peak: 6.28 W/kg

SAR 10g (W/Kg)	1.990
SAR 1g (W/Kg)	3.794

Z Axis Scan





System Performance Check Data (2450MHz)

Type: Phone measurement (Complete)

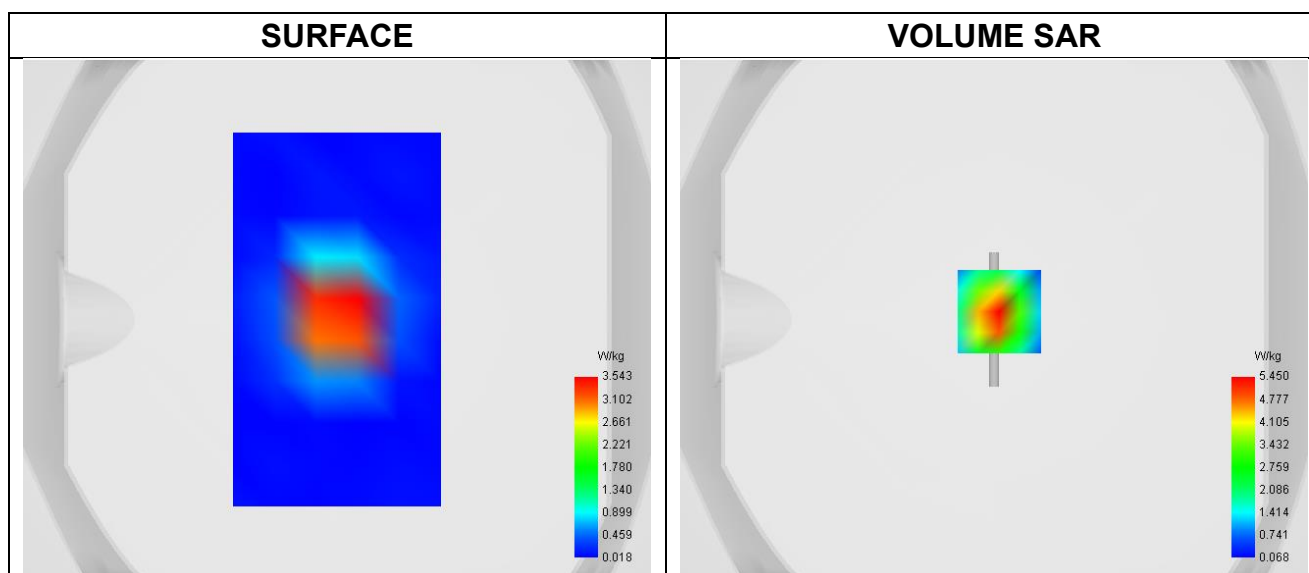
Area scan resolution: dx=8mm, dy=8mm

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

Date of measurement: 2023-03-02

Experimental conditions.

Phantom	Validation plane
Device Position	Dipole
Band	CW2450
Channels	Middle
Signal	CW
Frequency (MHz)	2450.000
Relative permittivity	39.16
Conductivity (S/m)	1.84
Probe	SN 04/22 EPGO364
ConvF	2.33
Crest factor:	1:1

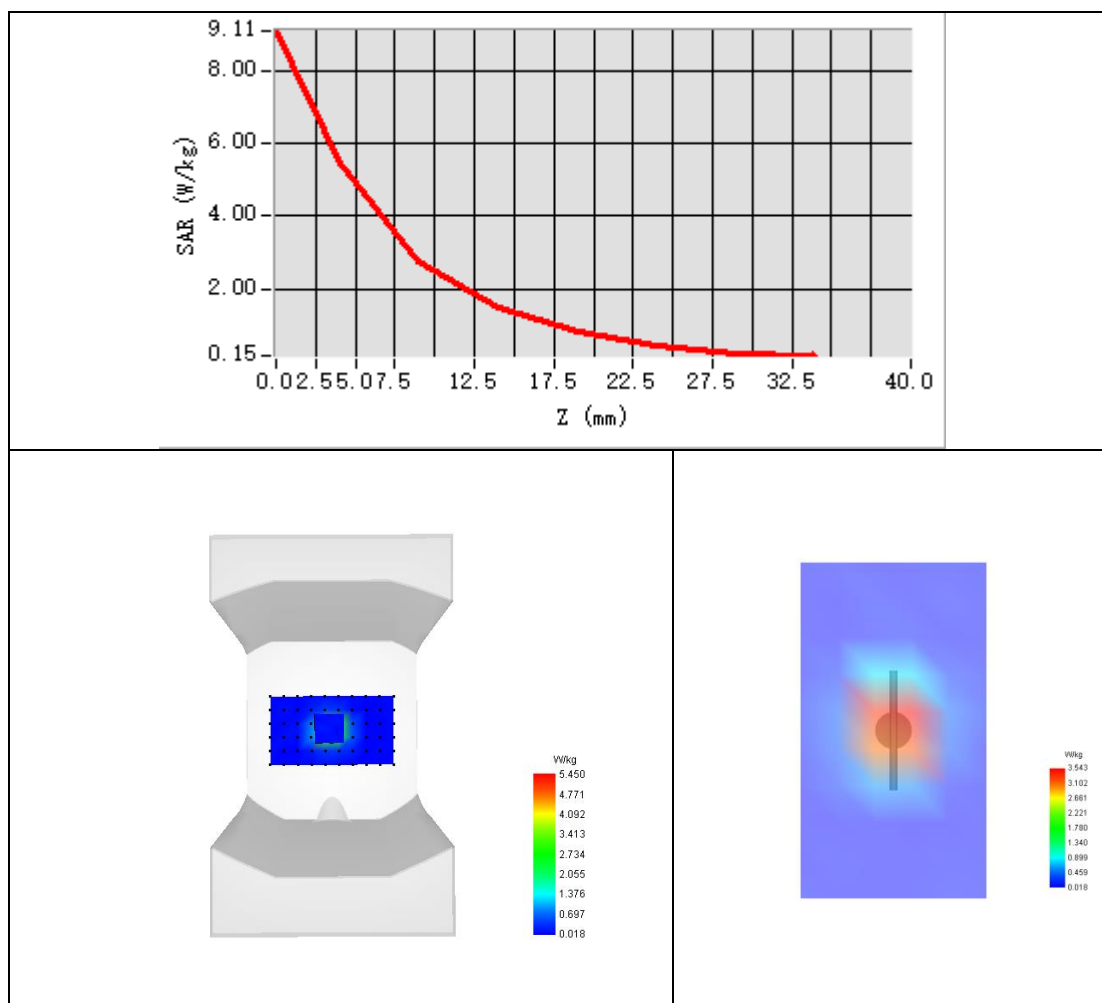


Maximum location: X=2.00, Y=3.00 ; SAR Peak: 9.22 W/kg

SAR 10g (W/Kg)	2.382
SAR 1g (W/Kg)	5.161



Z Axis Scan





System Performance Check Data (2600MHz)

Type: Phone measurement (Complete)

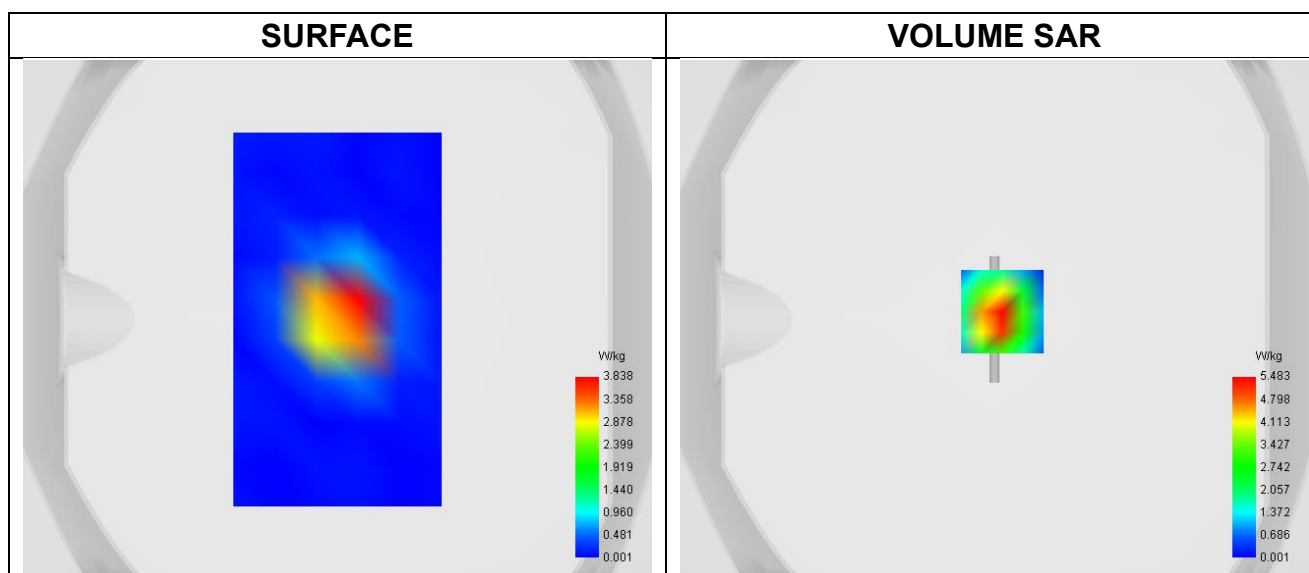
Area scan resolution: dx=8mm, dy=8mm

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

Date of measurement: 2023-03-02

Experimental conditions.

Phantom	Validation plane
Device Position	Dipole
Band	CW2600
Channels	Middle
Signal	CW
Frequency (MHz)	2600.000
Relative permittivity	39.38
Conductivity (S/m)	1.92
Probe	SN 04/22 EPG0364
ConvF	2.36
Crest factor:	1:1

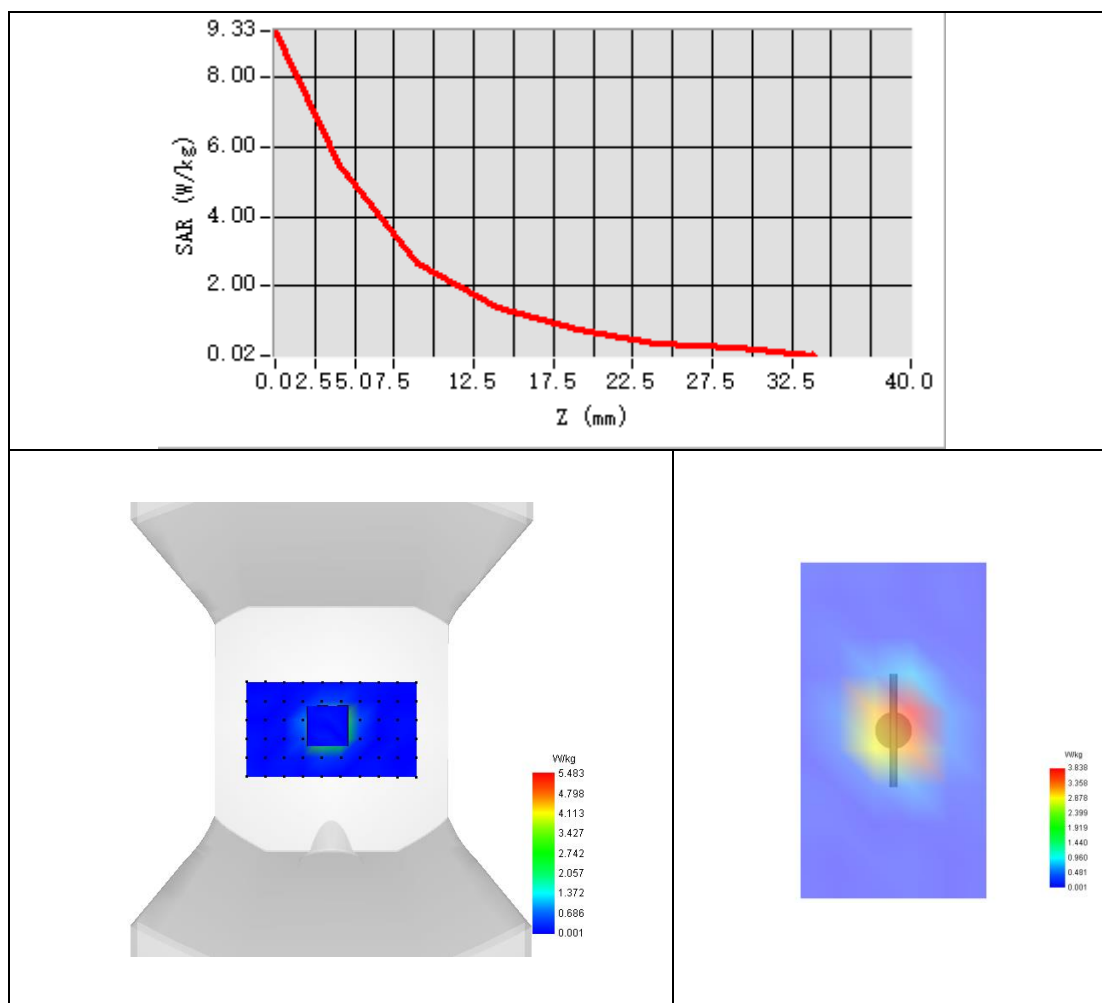


Maximum location: X=3.00, Y=3.00 ; SAR Peak: 9.58 W/kg

SAR 10g (W/Kg)	2.147
SAR 1g (W/Kg)	5.216



Z Axis Scan





System Performance Check Data (5200MHz)

Type: Phone measurement (Complete)

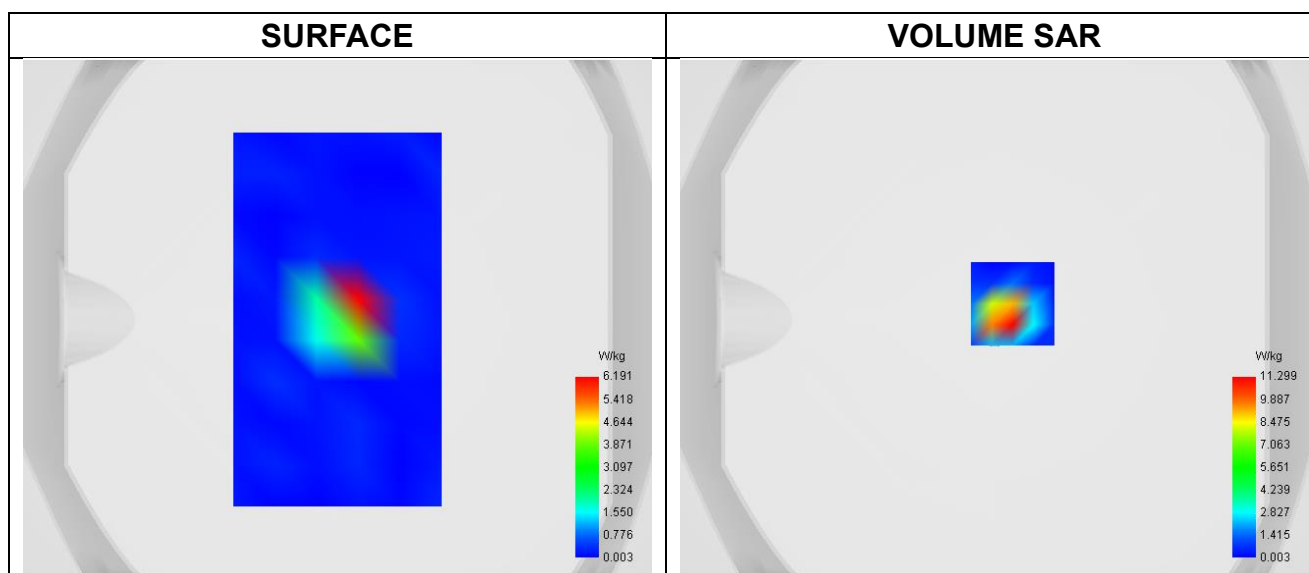
Area scan resolution: dx=8mm, dy=8mm

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

Date of measurement: 2023-03-18

Experimental conditions.

Phantom	Validation plane
Device Position	Dipole
Band	CW5200
Channels	Middle
Signal	CW
Frequency (MHz)	5200.000
Relative permittivity	36.85
Conductivity (S/m)	4.65
Probe	SN 04/22 EPGO364
ConvF	1.95
Crest factor:	1:1



Maximum location: X=7.00, Y=6.00 ; SAR Peak: 21.79 W/kg

SAR 10g (W/Kg)	2.087
SAR 1g (W/Kg)	7.836



Z Axis Scan

