



12.2 Body-worn and Hotspot SAR

Band	Model	Test Position	Freq.	SAR (1g) (W/kg)	Power Drift (%)	Max. Turn-up Power (dBm)	Meas. Output Power (dBm)	Scaling Factor	Scaled SAR (W/Kg)	Meas. No.
GSM850	GPRS Data-4 Slot	Front Side	824.2	0.379	2.13	28.20	27.90	1.072	0.406	2
		Back Side	824.2	0.218	-0.28	28.20	27.90	1.072	0.234	/
		Left Side	824.2	0.159	1.18	28.20	27.90	1.072	0.170	/
		Right Side	824.2	0.187	-0.95	28.20	27.90	1.072	0.200	/
		Top Side	824.2	0.092	-0.46	28.20	27.90	1.072	0.099	/
		Bottom Side	824.2	0.102	-3.55	28.20	27.90	1.072	0.109	/
PCS 1900	GPRS Data-4 Slot	Front Side	1880	0.277	1.87	25.90	25.58	1.076	0.298	/
		Back Side	1880	0.188	-3.35	25.90	25.58	1.076	0.202	/
		Left Side	1880	0.162	-0.46	25.90	25.58	1.076	0.174	/
		Right Side	1880	0.104	0.30	25.90	25.58	1.076	0.112	/
		Bottom Side	1880	0.384	-1.86	25.90	25.58	1.076	0.413	4
WCDMA Band II	RMC	Front Side	1852.4	0.679	-2.50	25.70	25.35	1.084	0.736	/
		Back Side	1852.4	0.347	-0.87	25.70	25.35	1.084	0.376	/
		Left Side	1852.4	0.073	3.50	25.70	25.35	1.084	0.079	/
		Right Side	1852.4	0.056	-0.85	25.70	25.35	1.084	0.061	/
		Bottom Side	1852.4	0.706	2.22	25.70	25.35	1.084	0.765	6
WCDMA Band IV	RMC	Front Side	1740	0.423	-0.68	25.50	25.17	1.079	0.456	/
		Back Side	1740	0.286	2.84	25.50	25.17	1.079	0.309	/
		Left Side	1740	0.24	-3.98	25.50	25.17	1.079	0.259	/
		Right Side	1740	0.158	0.92	25.50	25.17	1.079	0.170	/
		Bottom Side	1740	0.582	2.23	25.50	25.17	1.079	0.628	8
WCDMA Band V	RMC	Front Side	846.6	0.421	-3.82	25.50	25.15	1.084	0.456	10
		Back Side	846.6	0.368	-1.77	25.50	25.15	1.084	0.399	/
		Left Side	846.6	0.237	3.52	25.50	25.15	1.084	0.257	/
		Right Side	846.6	0.290	-3.99	25.50	25.15	1.084	0.314	/
		Top Side	846.6	0.104	-2.43	25.50	25.15	1.084	0.113	/
		Bottom Side	846.6	0.231	2.16	25.50	25.15	1.084	0.250	/
2.4GHz WLAN ANT 1	802.11b	Front Side	2437	0.161	1.65	16.10	15.78	1.076	0.173	/
		Back Side	2437	0.176	2.92	16.10	15.78	1.076	0.189	/
		Right Side	2437	0.192	-3.96	16.10	15.78	1.076	0.207	12
		Top Side	2437	0.177	0.68	16.10	15.78	1.076	0.190	/
2.4GHz WLAN ANT 2	802.11b	Front Side	2412	0.044	0.07	14.50	14.22	1.076	0.047	/
		Back Side	2412	0.043	-3.78	14.50	14.22	1.076	0.046	/
		Right Side	2412	0.084	1.46	14.50	14.22	1.076	0.090	14
2.4GHz WLAN MIMO 1	802.11n-HT20	Front Side	2437	0.03	1.32	16.00	15.73	1.067	0.032	/
		Back Side	2437	0.035	-0.78	16.00	15.73	1.067	0.037	/
		Right Side	2437	0.069	1.17	16.00	15.73	1.067	0.074	16
		Top Side	2437	0.039	2.40	16.00	15.73	1.067	0.042	/
2.4GHz WLAN MIMO 2	802.11n-HT20	Front Side	2437	0.039	3.20	16.00	15.73	1.067	0.042	/
		Back Side	2437	0.036	0.38	16.00	15.73	1.067	0.038	/
		Right Side	2437	0.067	0.32	16.00	15.73	1.067	0.071	18
		Top Side	2437	0.02	-3.96	16.00	15.73	1.067	0.021	/



5.2GHz WLAN ANT 1	802.11a	Front Side	5180	0.024	-1.41	12.60	12.33	1.076	0.026	/
		Back Side	5180	0.026	-0.09	12.60	12.33	1.076	0.028	/
		Right Side	5180	0.054	3.11	12.60	12.33	1.076	0.058	20
		Top Side	5180	0.033	3.91	12.60	12.33	1.076	0.036	/
5.2GHz WLAN ANT 2	802.11a	Front Side	5180	0.176	-2.84	13.70	13.39	1.081	0.190	/
		Back Side	5180	0.152	2.21	13.70	13.39	1.081	0.164	/
		Right Side	5180	0.309	-1.46	13.70	13.39	1.081	0.334	22
5.2GHz WLAN MIMO 1	802.11ax- HE40	Front Side	5180	0.054	-2.42	14.00	13.66	1.074	0.058	/
		Back Side	5180	0.063	2.40	14.00	13.66	1.074	0.068	/
		Right Side	5180	0.124	-3.82	14.00	13.66	1.074	0.133	24
		Top Side	5180	0.072	1.12	14.00	13.66	1.074	0.077	/
5.2GHz WLAN MIMO 2	802.11ax- HE40	Front Side	5180	0.052	2.18	14.00	13.66	1.074	0.056	/
		Back Side	5180	0.045	1.81	14.00	13.66	1.074	0.048	/
		Right Side	5180	0.084	1.16	14.00	13.66	1.074	0.090	26
		Top Side	5180	0.026	2.56	14.00	13.66	1.074	0.028	/
5.3GHz WLAN ANT 1	802.11a	Front Side	5260	0.032	1.15	12.70	12.44	1.079	0.035	/
		Back Side	5260	0.036	3.62	12.70	12.44	1.079	0.039	/
		Right Side	5260	0.069	3.94	12.70	12.44	1.079	0.074	28
		Top Side	5260	0.039	-0.32	12.70	12.44	1.079	0.042	/
5.3GHz WLAN ANT 2	802.11a	Front Side	5260	0.077	1.64	13.90	13.61	1.081	0.083	/
		Back Side	5260	0.069	3.38	13.90	13.61	1.081	0.075	/
		Right Side	5260	0.134	2.17	13.90	13.61	1.081	0.145	30
5.3GHz WLAN MIMO 1	802.11ax- HE40	Front Side	5300	0.042	1.85	13.80	13.49	1.084	0.046	/
		Back Side	5300	0.052	2.98	13.80	13.49	1.084	0.056	/
		Right Side	5300	0.102	-3.67	13.80	13.49	1.084	0.111	32
		Top Side	5300	0.062	-0.62	13.80	13.49	1.084	0.067	/
5.3GHz WLAN MIMO 2	802.11ax- HE40	Front Side	5300	0.062	1.00	13.80	13.49	1.084	0.067	/
		Back Side	5300	0.054	3.96	13.80	13.49	1.084	0.059	/
		Right Side	5300	0.102	-0.81	13.80	13.49	1.084	0.111	34
		Top Side	5300	0.029	2.85	13.80	13.49	1.084	0.031	/
5.6GHz WLAN ANT 1	802.11a	Front Side	5700	0.043	-1.51	9.80	9.53	1.074	0.046	/
		Back Side	5700	0.052	0.40	9.80	9.53	1.074	0.056	/
		Right Side	5700	0.096	2.69	9.80	9.53	1.074	0.103	36
		Top Side	5700	0.055	2.70	9.80	9.53	1.074	0.059	/
5.6GHz WLAN ANT 2	802.11a	Front Side	5500	0.07	0.71	10.20	9.87	1.079	0.076	/
		Back Side	5500	0.059	1.33	10.20	9.87	1.079	0.064	/
		Right Side	5500	0.115	1.42	10.20	9.87	1.079	0.124	38
5.6GHz WLAN MIMO 1	802.11ax- HE40	Front Side	5700	0.023	1.67	13.10	12.75	1.069	0.025	/
		Back Side	5700	0.031	2.73	13.10	12.75	1.069	0.033	/
		Right Side	5700	0.055	-1.57	13.10	12.75	1.069	0.059	40
		Top Side	5700	0.034	3.40	13.10	12.75	1.069	0.036	/
5.6GHz WLAN MIMO 2	802.11ax- HE40	Front Side	5700	0.041	2.07	13.10	12.75	1.069	0.044	/
		Back Side	5700	0.035	-0.22	13.10	12.75	1.069	0.037	/
		Right Side	5700	0.065	-1.47	13.10	12.75	1.069	0.069	42
		Top Side	5700	0.016	0.62	13.10	12.75	1.069	0.017	/



5.8GHz WLAN ANT 1	802.11a	Front Side	5745	0.024	0.68	15.40	15.05	1.072	0.026	/
		Back Side	5745	0.031	0.47	15.40	15.05	1.072	0.033	/
		Right Side	5745	0.058	1.66	15.40	15.05	1.072	0.062	44
		Top Side	5745	0.034	-0.96	15.40	15.05	1.072	0.036	/
5.8GHz WLAN ANT 2	802.11a	Front Side	5745	0.066	1.26	15.50	15.18	1.064	0.070	/
		Back Side	5745	0.056	1.89	15.50	15.18	1.064	0.060	/
		Right Side	5745	0.115	-0.78	15.50	15.18	1.064	0.122	46
5.8GHz WLAN MIMO 1	802.11ax- HE20	Front Side	5745	0.046	-0.65	14.90	14.64	1.079	0.050	/
		Back Side	5745	0.053	-0.50	14.90	14.64	1.079	0.057	/
		Right Side	5745	0.106	1.79	14.90	14.64	1.079	0.114	48
		Top Side	5745	0.061	-2.10	14.90	14.64	1.079	0.066	/
5.8GHz WLAN MIMO 2	802.11ax- HE20	Front Side	5745	0.06	-2.16	14.90	14.64	1.079	0.065	/
		Back Side	5745	0.052	-0.83	14.90	14.64	1.079	0.056	/
		Right Side	5745	0.105	-1.13	14.90	14.64	1.079	0.113	50
		Top Side	5745	0.029	1.66	14.90	14.64	1.079	0.031	/

Band	Mode	Max SAR	WIFI MIMO
		(W/Kg)	
2.4G WLAN	802.11ac-VHT20	0.074	0.145
	802.11ac-VHT20	0.071	
5.2G WLAN	802.11ax-HE20	0.133	0.223
	802.11ax-HE20	0.09	
5.3G WLAN	802.11ax-HE20	0.111	0.222
	802.11ax-HE20	0.111	
5.6G WLAN	802.11ax-HE20	0.059	0.128
	802.11ax-HE20	0.069	
5.8G WLAN	802.11ax-HE20	0.114	0.227
	802.11ax-HE20	0.113	



Band	BW (MHz)	Mod.	RB Size	RB offset	Test Position	Freq.	Result 1g (W/Kg)	Power Drift (%)	Max. Turn-up Power (dBm)	Meas. Output Power (dBm)	Scaling Factor	Scaled SAR (W/Kg)	Meas. No.
LTE Band 2	20M	QPSK	1	0	Front side	1860	0.185	-3.54	24.70	24.38	1.076	0.199	/
			50	0	Front side	1860	0.156	3.48	23.60	23.31	1.069	0.167	/
			1	0	Back Side	1860	0.165	-1.46	24.70	24.38	1.076	0.178	/
			50	0	Back Side	1860	0.136	-1.09	23.60	23.31	1.069	0.145	/
			1	0	Left Side	1860	0.033	2.87	24.70	24.38	1.076	0.036	/
			50	0	Left Side	1860	0.027	2.39	23.60	23.31	1.069	0.029	/
			1	0	Right Side	1860	0.040	-2.84	24.70	24.38	1.076	0.043	/
			50	0	Right Side	1860	0.036	-3.54	23.60	23.31	1.069	0.038	/
			1	0	Bottom Side	1860	0.252	-3.78	24.70	24.38	1.076	0.271	52
			50	0	Bottom Side	1860	0.208	3.58	23.60	23.31	1.069	0.222	/
LTE Band 4	20M	QPSK	1	0	Front side	1720	0.689	0.10	17.80	17.46	1.081	0.745	/
			50	49	Front side	1720	0.570	1.27	16.60	16.32	1.067	0.608	/
			1	0	Back Side	1720	0.601	-2.32	17.80	17.46	1.081	0.650	/
			50	49	Back Side	1720	0.500	3.14	16.60	16.32	1.067	0.533	/
			1	0	Left Side	1720	0.116	2.13	17.80	17.46	1.081	0.125	/
			50	49	Left Side	1720	0.100	-0.40	16.60	16.32	1.067	0.107	/
			1	0	Right Side	1720	0.152	1.83	17.80	17.46	1.081	0.164	/
			50	49	Right Side	1720	0.126	-2.45	16.60	16.32	1.067	0.134	/
			1	0	Bottom Side	1720	0.940	3.93	17.80	17.46	1.081	1.017	54
			1	0	Bottom Side	1732.5	0.909	1.24	17.80	17.38	1.102	1.001	/
			1	0	Bottom Side	1745	0.913	-2.15	17.80	17.35	1.109	1.013	/
			50	49	Bottom Side	1720	0.782	-2.17	16.60	16.32	1.067	0.834	/
			50	49	Bottom Side	1732.5	0.756	-0.06	16.60	16.30	1.072	0.810	/
			50	49	Bottom Side	1745	0.760	1.66	16.60	16.30	1.072	0.814	/
			100	49	Bottom Side	1720	0.743	2.73	16.60	16.32	1.067	0.792	/
			100	49	Bottom Side	1732.5	0.709	0.26	16.60	16.29	1.074	0.761	/
			100	49	Bottom Side	1745	0.724	3.47	16.60	16.26	1.081	0.783	/
LTE Band 5	10M	QPSK	1	49	Front side	844	0.599	-1.69	24.80	24.52	1.067	0.639	56
			25	24	Front side	844	0.499	-1.03	23.80	23.48	1.076	0.537	/
			1	49	Back Side	844	0.418	3.94	24.80	24.52	1.067	0.446	/
			25	24	Back Side	844	0.349	1.22	23.80	23.48	1.076	0.376	/



			1	49	Left Side	844	0.242	-2.50	24.80	24.52	1.067	0.258	/
			25	24	Left Side	844	0.202	1.76	23.80	23.48	1.076	0.217	/
			1	49	Right Side	844	0.383	1.52	24.80	24.52	1.067	0.409	/
			25	24	Right Side	844	0.316	1.89	23.80	23.48	1.076	0.340	/
			1	49	Bottom Side	844	0.292	-1.74	24.80	24.52	1.067	0.311	/
			25	24	Bottom Side	844	0.242	-1.27	23.80	23.48	1.076	0.261	/
LTE Band 7	20M	QPSK	1	99	Front side	2510	0.536	-2.02	22.20	21.90	1.072	0.574	/
			50	49	Front side	2510	0.446	-2.57	21.10	20.81	1.069	0.477	/
			1	99	Back Side	2510	0.473	-3.58	22.20	21.90	1.072	0.507	/
			50	49	Back Side	2510	0.392	2.20	21.10	20.81	1.069	0.419	/
			1	99	Left Side	2510	0.090	-2.58	22.20	21.90	1.072	0.096	/
			50	49	Left Side	2510	0.075	1.23	21.10	20.81	1.069	0.080	/
			1	99	Right Side	2510	0.121	-1.31	22.20	21.90	1.072	0.130	/
			50	49	Right Side	2510	0.101	1.44	21.10	20.81	1.069	0.108	/
			1	99	Bottom Side	2510	0.733	-1.13	22.20	21.90	1.072	0.785	58
			50	49	Bottom Side	2510	0.606	-0.79	21.10	20.81	1.069	0.648	/
LTE Band 12	10M	QPSK	1	49	Front side	704	0.528	-1.81	24.70	24.42	1.067	0.563	60
			25	24	Front side	704	0.439	2.28	23.60	23.26	1.081	0.475	/
			1	49	Back Side	704	0.371	2.84	24.70	24.42	1.067	0.396	/
			25	24	Back Side	704	0.306	-3.62	23.60	23.26	1.081	0.331	/
			1	49	Left Side	704	0.213	0.57	24.70	24.42	1.067	0.227	/
			25	24	Left Side	704	0.179	-0.34	23.60	23.26	1.081	0.194	/
			1	49	Right Side	704	0.336	3.70	24.70	24.42	1.067	0.358	/
			25	24	Right Side	704	0.276	0.52	23.60	23.26	1.081	0.298	/
			1	49	Bottom Side	704	0.254	0.69	24.70	24.42	1.067	0.271	/
			25	24	Bottom Side	704	0.211	-0.17	23.60	23.26	1.081	0.228	/
LTE Band 13	10M	QPSK	1	0	Front side	782	0.272	-0.44	24.60	24.32	1.067	0.290	62
			25	0	Front side	782	0.225	0.09	23.50	23.16	1.081	0.243	/
			1	0	Back Side	782	0.191	-2.86	24.60	24.32	1.067	0.204	/
			25	0	Back Side	782	0.161	-2.23	23.50	23.16	1.081	0.174	/
			1	0	Left Side	782	0.112	-1.92	24.60	24.32	1.067	0.119	/
			25	0	Left Side	782	0.093	2.38	23.50	23.16	1.081	0.101	/
			1	0	Right Side	782	0.176	2.49	24.60	24.32	1.067	0.188	/



			25	0	Right Side	782	0.149	2.81	23.50	23.16	1.081	0.161	/
			1	0	Bottom Side	782	0.135	3.56	24.60	24.32	1.067	0.144	/
			25	0	Bottom Side	782	0.110	-1.48	23.50	23.16	1.081	0.119	/
LTE Band 17	10M	QPSK	1	0	Front side	711	0.512	-2.15	24.60	24.27	1.079	0.552	64
			25	0	Front side	710	0.426	3.98	23.50	23.22	1.067	0.454	/
			1	0	Back Side	711	0.357	-0.77	24.60	24.27	1.079	0.385	/
			25	0	Back Side	710	0.294	0.72	23.50	23.22	1.067	0.314	/
			1	0	Left Side	711	0.209	-3.96	24.60	24.27	1.079	0.225	/
			25	0	Left Side	710	0.174	-1.78	23.50	23.22	1.067	0.186	/
			1	0	Right Side	711	0.327	2.45	24.60	24.27	1.079	0.353	/
			25	0	Right Side	710	0.271	-3.51	23.50	23.22	1.067	0.289	/
			1	0	Bottom Side	711	0.251	-2.88	24.60	24.27	1.079	0.271	/
			25	0	Bottom Side	710	0.208	-3.62	23.50	23.22	1.067	0.222	/
LTE Band 25	20M	QPSK	1	0	Front side	1882.5	0.460	3.74	17.80	17.54	1.062	0.488	/
			50	49	Front side	1860	0.383	3.14	16.70	16.42	1.067	0.409	/
			1	0	Back Side	1882.5	0.401	-2.99	17.80	17.54	1.062	0.426	/
			50	49	Back Side	1860	0.332	0.40	16.70	16.42	1.067	0.354	/
			1	0	Left Side	1882.5	0.079	-1.98	17.80	17.54	1.062	0.084	/
			50	49	Left Side	1860	0.068	2.65	16.70	16.42	1.067	0.073	/
			1	0	Right Side	1882.5	0.099	-3.06	17.80	17.54	1.062	0.105	/
			50	49	Right Side	1860	0.085	1.71	16.70	16.42	1.067	0.091	/
			1	0	Bottom Side	1882.5	0.626	0.16	17.80	17.54	1.062	0.665	66
			50	49	Bottom Side	1860	0.520	-3.82	16.70	16.42	1.067	0.555	/
LTE Band 26	15M	QPSK	1	74	Front side	844	0.578	-0.72	24.90	24.55	1.084	0.627	68
			36	39	Front side	844	0.477	3.25	23.70	23.42	1.067	0.509	/
			1	74	Back Side	844	0.404	3.55	24.90	24.55	1.084	0.438	/
			36	39	Back Side	844	0.334	-0.15	23.70	23.42	1.067	0.356	/
			1	74	Left Side	844	0.234	1.77	24.90	24.55	1.084	0.254	/
			36	39	Left Side	844	0.194	0.85	23.70	23.42	1.067	0.207	/
			1	74	Right Side	844	0.370	3.98	24.90	24.55	1.084	0.401	/
			36	39	Right Side	844	0.305	1.99	23.70	23.42	1.067	0.325	/
			1	74	Bottom Side	844	0.279	-3.43	24.90	24.55	1.084	0.302	/
			36	39	Bottom Side	844	0.231	0.29	23.70	23.42	1.067	0.246	/



LTE Band 38	20M	QPSK	1	49	Front side	2610	0.593	3.78	24.70	24.41	1.069	0.634	/
			50	24	Front side	2610	0.493	-3.54	24.50	24.20	1.072	0.528	/
			1	49	Back Side	2610	0.518	-3.54	24.70	24.41	1.069	0.554	/
			50	24	Back Side	2610	0.430	1.27	24.50	24.20	1.072	0.461	/
			1	49	Left Side	2610	0.097	2.17	24.70	24.41	1.069	0.104	/
			50	24	Left Side	2610	0.079	0.86	24.50	24.20	1.072	0.085	/
			1	49	Right Side	2610	0.131	2.46	24.70	24.41	1.069	0.140	/
			50	24	Right Side	2610	0.110	-0.16	24.50	24.20	1.072	0.118	/
			1	49	Bottom Side	2580	0.711	-0.38	24.70	23.87	1.211	0.861	/
			1	49	Bottom Side	2595	0.785	-1.45	24.70	24.29	1.099	0.863	/
			1	49	Bottom Side	2610	0.809	1.75	24.70	24.41	1.069	0.865	70
			50	24	Bottom Side	2610	0.671	-0.77	24.50	24.20	1.072	0.719	/
LTE Band 40	10M	QPSK	1	49	Front side	2350	0.486	-0.54	18.50	18.17	1.079	0.524	/
			50	24	Front side	2350	0.404	-1.46	17.90	17.63	1.064	0.430	/
			1	49	Back Side	2350	0.425	-1.48	18.50	18.17	1.079	0.459	/
			50	24	Back Side	2350	0.351	1.94	17.90	17.63	1.064	0.374	/
			1	49	Left Side	2350	0.081	-0.97	18.50	18.17	1.079	0.087	/
			50	24	Left Side	2350	0.066	1.38	17.90	17.63	1.064	0.070	/
			1	49	Right Side	2350	0.105	2.63	18.50	18.17	1.079	0.113	/
			50	24	Right Side	2350	0.088	-0.73	17.90	17.63	1.064	0.094	/
			1	49	Bottom Side	2350	0.665	-3.30	18.50	18.17	1.079	0.717	72
			50	24	Bottom Side	2350	0.554	0.86	17.90	17.63	1.064	0.590	/
LTE Band 41	20M	QPSK	1	0	Front side	2680	0.575	-1.07	24.80	24.50	1.072	0.616	/
			50	24	Front side	2680	0.477	3.11	24.30	24.01	1.069	0.510	/
			1	0	Back Side	2680	0.505	-2.15	24.80	24.50	1.072	0.541	/
			50	24	Back Side	2680	0.417	-3.15	24.30	24.01	1.069	0.446	/
			1	0	Left Side	2680	0.096	-2.70	24.80	24.50	1.072	0.103	/
			50	24	Left Side	2680	0.080	0.61	24.30	24.01	1.069	0.086	/
			1	0	Right Side	2680	0.126	-1.74	24.80	24.50	1.072	0.135	/
			50	24	Right Side	2680	0.103	2.69	24.30	24.01	1.069	0.110	/
			1	0	Bottom Side	2506	0.669	1.24	24.80	23.82	1.253	0.838	/
			1	0	Bottom Side	2593	0.699	2.16	24.80	23.99	1.205	0.842	/
			1	0	Bottom Side	2680	0.789	0.91	24.80	24.50	1.072	0.845	74



			50	24	Bottom Side	2680	0.654	-2.50	24.30	24.01	1.069	0.699	/
LTE Band 66	20M	QPSK	1	0	Front side	1745	0.380	1.50	24.50	24.20	1.072	0.407	/
			50	0	Front side	1770	0.317	1.95	23.40	23.09	1.074	0.340	/
			1	0	Back Side	1745	0.334	1.81	24.50	24.20	1.072	0.358	/
			50	0	Back Side	1770	0.279	3.01	23.40	23.09	1.074	0.300	/
			1	0	Left Side	1745	0.066	-0.02	24.50	24.20	1.072	0.071	/
			50	0	Left Side	1770	0.058	-3.30	23.40	23.09	1.074	0.062	/
			1	0	Right Side	1745	0.084	-1.45	24.50	24.20	1.072	0.090	/
			50	0	Right Side	1770	0.070	-0.97	23.40	23.09	1.074	0.075	/
			1	0	Bottom Side	1745	0.519	-0.20	24.50	24.20	1.072	0.556	76
			50	0	Bottom Side	1770	0.431	2.77	23.40	23.09	1.074	0.463	/
LTE Band 71	20M	QPSK	1	0	Front side	688	0.118	2.89	24.40	24.14	1.062	0.125	78
			50	0	Front side	673	0.098	-3.21	23.40	23.09	1.074	0.105	/
			1	0	Back Side	688	0.083	2.03	24.40	24.14	1.062	0.088	/
			50	0	Back Side	673	0.067	-2.09	23.40	23.09	1.074	0.072	/
			1	0	Left Side	688	0.048	0.85	24.40	24.14	1.062	0.051	/
			50	0	Left Side	673	0.039	-1.56	23.40	23.09	1.074	0.042	/
			1	0	Right Side	688	0.079	-0.32	24.40	24.14	1.062	0.084	/
			50	0	Right Side	673	0.065	3.21	23.40	23.09	1.074	0.070	/
			1	0	Bottom Side	688	0.059	3.02	24.40	24.14	1.062	0.063	/
			50	0	Bottom Side	673	0.049	-1.18	23.40	23.09	1.074	0.053	/
SA N2	20M	DFT_QPSK	1	104	Front side	1860	0.337	0.09	22.40	22.00	1.096	0.370	/
			50	25	Front side	1880	0.280	-0.47	22.40	21.98	1.102	0.308	/
			1	104	Back Side	1860	0.294	0.60	22.40	22.00	1.096	0.322	/
			50	25	Back Side	1880	0.243	-1.66	22.40	21.98	1.102	0.268	/
			1	104	Left Side	1860	0.057	1.36	22.40	22.00	1.096	0.062	/
			50	25	Left Side	1880	0.047	2.20	22.40	21.98	1.102	0.052	/
			1	104	Right Side	1860	0.074	2.99	22.40	22.00	1.096	0.081	/
			50	25	Right Side	1880	0.063	2.01	22.40	21.98	1.102	0.069	/
			1	104	Top Side	1860	0.161	-0.78	22.40	22.00	1.096	0.177	/
			50	25	Top Side	1880	0.136	-3.22	22.40	21.98	1.102	0.150	/
			1	104	Bottom Side	1860	0.456	0.17	22.40	22.00	1.096	0.500	80
			50	25	Bottom Side	1880	0.376	2.06	22.40	21.98	1.102	0.414	/



SA N5	20M	DFT_QPSK	1	104	Front side	839	0.333	1.25	22.40	22.01	1.094	0.364	82
			50	25	Front side	834	0.275	-0.72	22.40	21.93	1.114	0.306	/
			1	104	Back Side	839	0.236	-1.97	22.40	22.01	1.094	0.258	/
			50	25	Back Side	834	0.197	-3.07	22.40	21.93	1.114	0.220	/
			1	104	Left Side	839	0.136	-1.44	22.40	22.01	1.094	0.149	/
			50	25	Left Side	834	0.111	2.58	22.40	21.93	1.114	0.124	/
			1	104	Right Side	839	0.212	-0.73	22.40	22.01	1.094	0.232	/
			50	25	Right Side	834	0.175	3.59	22.40	21.93	1.114	0.195	/
			1	104	Top Side	839	0.046	3.11	22.40	22.01	1.094	0.050	/
			50	25	Top Side	834	0.037	1.17	22.40	21.93	1.114	0.041	/
			1	104	Bottom Side	839	0.162	-0.86	22.40	22.01	1.094	0.177	/
			50	25	Bottom Side	834	0.134	0.41	22.40	21.93	1.114	0.149	/
SA N7	50M	DFT_QPSK	1	1	Front side	2510	0.353	1.44	22.00	21.41	1.146	0.404	/
			50	25	Front side	2510	0.293	-3.84	22.00	21.55	1.109	0.325	/
			1	1	Back Side	2510	0.307	1.94	22.00	21.41	1.146	0.352	/
			50	25	Back Side	2510	0.256	3.03	22.00	21.55	1.109	0.284	/
			1	1	Left Side	2510	0.062	-0.58	22.00	21.41	1.146	0.071	/
			50	25	Left Side	2510	0.051	-3.47	22.00	21.55	1.109	0.057	/
			1	1	Right Side	2510	0.077	-0.03	22.00	21.41	1.146	0.088	/
			50	25	Right Side	2510	0.066	3.86	22.00	21.55	1.109	0.073	/
			1	1	Top Side	2510	0.170	-3.50	22.00	21.41	1.146	0.195	/
			50	25	Top Side	2510	0.140	-2.11	22.00	21.55	1.109	0.155	/
			1	1	Bottom Side	2510	0.480	-2.03	22.00	21.41	1.146	0.550	84
			50	25	Bottom Side	2510	0.397	-0.45	22.00	21.55	1.109	0.440	/
SA N12	15M	DFT_QPSK	1	77	Front side	711	0.322	-2.86	22.30	21.81	1.119	0.360	86
			36	18	Front side	711	0.267	1.85	22.30	21.85	1.109	0.296	/
			1	77	Back Side	711	0.226	2.13	22.30	21.81	1.119	0.253	/
			36	18	Back Side	711	0.188	0.32	22.30	21.85	1.109	0.209	/
			1	77	Left Side	711	0.129	-3.87	22.30	21.81	1.119	0.144	/
			36	18	Left Side	711	0.107	2.44	22.30	21.85	1.109	0.119	/
			1	77	Right Side	711	0.208	-0.77	22.30	21.81	1.119	0.233	/
			36	18	Right Side	711	0.174	-0.83	22.30	21.85	1.109	0.193	/
			1	77	Top Side	711	0.044	1.41	22.30	21.81	1.119	0.049	/



			36	18	Top Side	711	0.039	1.53	22.30	21.85	1.109	0.043	/
			1	77	Bottom Side	711	0.159	1.35	22.30	21.81	1.119	0.178	/
			36	18	Bottom Side	711	0.132	-1.12	22.30	21.85	1.109	0.146	/
SA N13	10M	DFT_QPSK	1	50	Front side	782	0.171	-1.55	22.10	21.74	1.086	0.186	88
			25	12	Front side	782	0.140	0.65	22.10	21.69	1.099	0.154	/
			1	50	Back Side	782	0.121	-2.48	22.10	21.74	1.086	0.131	/
			25	12	Back Side	782	0.099	-0.40	22.10	21.69	1.099	0.109	/
			1	50	Left Side	782	0.072	3.57	22.10	21.74	1.086	0.078	/
			25	12	Left Side	782	0.063	1.59	22.10	21.69	1.099	0.069	/
			1	50	Right Side	782	0.112	2.40	22.10	21.74	1.086	0.122	/
			25	12	Right Side	782	0.092	2.57	22.10	21.69	1.099	0.101	/
			1	50	Top Side	782	0.028	0.54	22.10	21.74	1.086	0.030	/
			25	12	Top Side	782	0.024	-0.29	22.10	21.69	1.099	0.026	/
			1	50	Bottom Side	782	0.087	-3.50	22.10	21.74	1.086	0.095	/
			25	12	Bottom Side	782	0.071	0.72	22.10	21.69	1.099	0.078	/
SA N25	20M	DFT_QPSK	1	104	Front side	1905	0.474	3.13	22.40	22.03	1.089	0.516	/
			50	25	Front side	1882.5	0.392	-3.82	22.40	22.00	1.096	0.430	/
			1	104	Back Side	1905	0.417	2.35	22.40	22.03	1.089	0.454	/
			50	25	Back Side	1882.5	0.344	-3.00	22.40	22.00	1.096	0.377	/
			1	104	Left Side	1905	0.079	0.12	22.40	22.03	1.089	0.086	/
			50	25	Left Side	1882.5	0.066	-2.24	22.40	22.00	1.096	0.072	/
			1	104	Right Side	1905	0.105	-2.31	22.40	22.03	1.089	0.114	/
			50	25	Right Side	1882.5	0.086	0.12	22.40	22.00	1.096	0.094	/
			1	104	Top Side	1905	0.227	-1.18	22.40	22.03	1.089	0.247	/
			50	25	Top Side	1882.5	0.190	-3.93	22.40	22.00	1.096	0.208	/
			1	104	Bottom Side	1905	0.647	-2.16	22.40	22.03	1.089	0.705	90
			50	25	Bottom Side	1882.5	0.536	0.30	22.40	22.00	1.096	0.588	/
SA N26	20M	DFT_QPSK	1	104	Front side	844	0.261	2.80	22.40	21.99	1.099	0.287	92
			50	25	Front side	829	0.220	-1.40	22.40	21.92	1.117	0.246	/
			1	104	Back Side	844	0.182	-0.69	22.40	21.99	1.099	0.200	/
			50	25	Back Side	829	0.151	1.82	22.40	21.92	1.117	0.169	/
			1	104	Left Side	844	0.105	1.83	22.40	21.99	1.099	0.115	/
			50	25	Left Side	829	0.088	0.72	22.40	21.92	1.117	0.098	/



			1	104	Right Side	844	0.168	-3.04	22.40	21.99	1.099	0.185	/
			50	25	Right Side	829	0.141	1.35	22.40	21.92	1.117	0.157	/
			1	104	Top Side	844	0.035	0.33	22.40	21.99	1.099	0.038	/
			50	25	Top Side	829	0.027	-2.34	22.40	21.92	1.117	0.030	/
			1	104	Bottom Side	844	0.127	-0.16	22.40	21.99	1.099	0.140	/
			50	25	Bottom Side	829	0.104	1.96	22.40	21.92	1.117	0.116	/
SA N38	20M	DFT_QPSK	1	104	Front side	2595	0.420	-1.68	22.40	21.97	1.104	0.464	/
			50	25	Front side	2600	0.350	-2.80	22.40	21.78	1.153	0.404	/
			1	104	Back Side	2595	0.366	0.47	22.40	21.97	1.104	0.404	/
			50	25	Back Side	2600	0.304	3.79	22.40	21.78	1.153	0.351	/
			1	104	Left Side	2595	0.070	-2.06	22.40	21.97	1.104	0.077	/
			50	25	Left Side	2600	0.060	-2.05	22.40	21.78	1.153	0.069	/
			1	104	Right Side	2595	0.092	-0.59	22.40	21.97	1.104	0.102	/
			50	25	Right Side	2600	0.076	3.70	22.40	21.78	1.153	0.088	/
			1	104	Top Side	2595	0.203	0.91	22.40	21.97	1.104	0.224	/
			50	25	Top Side	2600	0.171	-2.13	22.40	21.78	1.153	0.197	/
			1	104	Bottom Side	2595	0.573	-3.71	22.40	21.97	1.104	0.633	94
			50	25	Bottom Side	2600	0.475	1.93	22.40	21.78	1.153	0.548	/
SA N41	100M	DFT_QPSK	1	271	Front side	2640	0.425	-2.41	22.50	22.12	1.091	0.464	/
			135	67	Front side	2640	0.355	-3.54	22.50	21.88	1.153	0.409	/
			1	271	Back Side	2640	0.374	-0.33	22.50	22.12	1.091	0.408	/
			135	67	Back Side	2640	0.311	3.11	22.50	21.88	1.153	0.359	/
			1	271	Left Side	2640	0.082	-3.50	22.50	22.12	1.091	0.089	/
			135	67	Left Side	2640	0.071	1.14	22.50	21.88	1.153	0.082	/
			1	271	Right Side	2640	0.098	3.61	22.50	22.12	1.091	0.107	/
			135	67	Right Side	2640	0.082	-0.94	22.50	21.88	1.153	0.095	/
			1	271	Top Side	2640	0.214	1.91	22.50	22.12	1.091	0.234	/
			135	67	Top Side	2640	0.180	3.20	22.50	21.88	1.153	0.208	/
			1	271	Bottom Side	2640	0.573	-3.88	22.50	22.12	1.091	0.625	96
			135	67	Bottom Side	2640	0.481	0.82	22.50	21.88	1.153	0.555	/
SA N66	20M	DFT_QPSK	1	214	Front side	1745	0.366	1.64	22.20	21.80	1.096	0.401	/
			50	54	Front side	1777.5	0.303	-3.80	22.20	21.72	1.117	0.338	/
			1	214	Back Side	1745	0.323	-1.21	22.20	21.80	1.096	0.354	/



			50	54	Back Side	1777.5	0.270	-3.30	22.20	21.72	1.117	0.302	/
			1	214	Left Side	1745	0.070	-0.74	22.20	21.80	1.096	0.077	/
			50	54	Left Side	1777.5	0.061	3.76	22.20	21.72	1.117	0.068	/
			1	214	Right Side	1745	0.088	-1.62	22.20	21.80	1.096	0.096	/
			50	54	Right Side	1777.5	0.071	-1.69	22.20	21.72	1.117	0.079	/
			1	214	Top Side	1745	0.185	0.38	22.20	21.80	1.096	0.203	/
			50	54	Top Side	1777.5	0.155	3.08	22.20	21.72	1.117	0.173	/
			1	214	Bottom Side	1745	0.493	2.75	22.20	21.80	1.096	0.541	98
			50	54	Bottom Side	1777.5	0.413	-3.26	22.20	21.72	1.117	0.461	/
SA N71	20M	DFT_QPSK	1	104	Front side	673	0.023	-0.60	22.50	22.09	1.099	0.025	/
			50	25	Front side	673	0.021	1.66	22.50	22.14	1.086	0.023	/
			1	104	Back Side	673	0.020	1.53	22.50	22.09	1.099	0.022	/
			50	25	Back Side	673	0.018	-1.11	22.50	22.14	1.086	0.020	/
			1	104	Left Side	673	0.004	0.17	22.50	22.09	1.099	0.004	/
			50	25	Left Side	673	0.002	0.98	22.50	22.14	1.086	0.002	/
			1	104	Right Side	673	0.008	-2.12	22.50	22.09	1.099	0.009	/
			50	25	Right Side	673	0.008	3.18	22.50	22.14	1.086	0.009	/
			1	104	Top Side	673	0.014	0.83	22.50	22.09	1.099	0.015	/
			50	25	Top Side	673	0.013	-0.15	22.50	22.14	1.086	0.014	/
			1	104	Bottom Side	673	0.031	3.39	22.50	22.09	1.099	0.034	100
			50	25	Bottom Side	673	0.026	2.14	22.50	22.14	1.086	0.028	/
SA N77	100M	DFT_QPSK	1	271	Front side	3840	0.071	-2.75	21.20	20.82	1.091	0.077	/
			135	67	Front side	3750	0.060	3.74	21.20	20.62	1.143	0.069	/
			1	271	Back Side	3840	0.08	-0.40	21.20	20.82	1.091	0.087	/
			135	67	Back Side	3750	0.067	-2.73	21.20	20.62	1.143	0.077	/
			1	271	Left Side	3840	0.140	2.94	21.20	20.82	1.091	0.153	102
			135	67	Left Side	3750	0.114	1.43	21.20	20.62	1.143	0.130	/
			1	271	Right Side	3840	0.037	-2.59	21.20	20.82	1.091	0.040	/
			135	67	Right Side	3750	0.031	-3.03	21.20	20.62	1.143	0.035	/
			1	271	Top Side	3840	0.034	2.71	21.20	20.82	1.091	0.037	/
			135	67	Top Side	3750	0.031	0.25	21.20	20.62	1.143	0.035	/
SA N78	100M	DFT_QPSK	1	1	Front side	3500	0.097	-1.97	21.10	20.70	1.096	0.106	/
			135	67	Front side	3500	0.079	3.28	21.10	20.43	1.167	0.092	/



			1	1	Back Side	3500	0.113	-1.86	21.10	20.70	1.096	0.124	/
			135	67	Back Side	3500	0.093	3.82	21.10	20.43	1.167	0.109	/
			1	1	Left Side	3500	0.198	-1.29	21.10	20.70	1.096	0.217	104
			135	67	Left Side	3500	0.167	-0.81	21.10	20.43	1.167	0.195	/
			1	1	Right Side	3500	0.057	2.15	21.10	20.70	1.096	0.062	/
			135	67	Right Side	3500	0.045	-0.42	21.10	20.43	1.167	0.053	/
			1	1	Top Side	3500	0.05	-3.31	21.10	20.70	1.096	0.055	/
			135	67	Top Side	3500	0.044	-3.62	21.10	20.43	1.167	0.051	/



NSA

Band	BW (MHz)	Mod.	RB Size	RB offset	Test Position	Freq.	Result 1g (W/Kg)	Power Drift (%)	Max. Turn-up Power (dBm)	Meas. Output Power (dBm)	Scaling Factor	Scaled SAR (W/Kg)	Meas. No.
SA N41	100M	DFT_QPSK	1	271	Front side	2640	0.425	-2.41	22.50	22.12	1.091	0.464	/
			135	67	Front side	2640	0.355	-3.54	22.50	21.88	1.153	0.409	/
			1	271	Back Side	2640	0.374	-0.33	22.50	22.12	1.091	0.408	/
			135	67	Back Side	2640	0.311	3.11	22.50	21.88	1.153	0.359	/
			1	271	Left Side	2640	0.082	-3.50	22.50	22.12	1.091	0.089	/
			135	67	Left Side	2640	0.071	1.14	22.50	21.88	1.153	0.082	/
			1	271	Right Side	2640	0.098	3.61	22.50	22.12	1.091	0.107	/
			135	67	Right Side	2640	0.082	-0.94	22.50	21.88	1.153	0.095	/
			1	271	Top Side	2640	0.214	1.91	22.50	22.12	1.091	0.234	/
			135	67	Top Side	2640	0.180	3.20	22.50	21.88	1.153	0.208	/
			1	271	Bottom Side	2640	0.573	-3.88	22.50	22.12	1.091	0.625	96
			135	67	Bottom Side	2640	0.481	0.82	22.50	21.88	1.153	0.555	/
LTE Band 5	10M	QPSK	1	49	Front side	844	0.599	-1.69	24.80	24.52	1.067	0.639	56
			25	24	Front side	844	0.499	-1.03	23.80	23.48	1.076	0.537	/
			1	49	Back Side	844	0.418	3.94	24.80	24.52	1.067	0.446	/
			25	24	Back Side	844	0.349	1.22	23.80	23.48	1.076	0.376	/
			1	49	Left Side	844	0.242	-2.50	24.80	24.52	1.067	0.258	/
			25	24	Left Side	844	0.202	1.76	23.80	23.48	1.076	0.217	/
			1	49	Right Side	844	0.383	1.52	24.80	24.52	1.067	0.409	/
			25	24	Right Side	844	0.316	1.89	23.80	23.48	1.076	0.340	/
			1	49	Bottom Side	844	0.292	-1.74	24.80	24.52	1.067	0.311	/
			25	24	Bottom Side	844	0.242	-1.27	23.80	23.48	1.076	0.261	/

Band	Mode	Max SAR	NSA N41+B5
		(W/Kg)	
NSA N41+B5	SA N41	0.625	1.264
	LTE B5	0.639	

Note:

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



12.3 Repeated SAR

Band	BW (MHz)	Mod.	RB Size	RB offset	Test Position	Freq.	Result 1g (W/Kg)	Power Drift (%)	Max. Turn-up Power (dBm)	Meas. Output Power (dBm)	Scaling Factor	Scaled SAR (W/Kg)
LTE Band 4	20M	QPSK	1	0	Back Side	1720	0.940	-2.52	17.80	17.46	1.081	1.017
			1	0	Back Side	1732.5	0.909	1.55	17.80	17.38	1.102	1.001
			1	0	Back Side	1745	0.913	0.42	17.80	17.35	1.109	1.013
			50	0	Back Side	1720	0.778	-3.44	16.60	16.32	1.067	0.830
			50	0	Back Side	1732.5	0.754	-0.55	16.60	16.30	1.072	0.808
			50	0	Back Side	1745	0.762	-0.54	16.60	16.30	1.072	0.816
			100	0	Back Side	1720	0.743	1.41	16.60	16.32	1.067	0.792
			100	0	Back Side	1732.5	0.708	-1.78	16.60	16.29	1.074	0.760
LTE Band 38	20M	QPSK	1	0	Back Side	2580	0.711	1.27	24.70	23.87	1.211	0.861
			1	0	Back Side	2595	0.785	2.54	24.70	24.29	1.099	0.863
			1	0	Back Side	2610	0.809	1.14	24.70	24.41	1.069	0.865
			1	0	Back Side	2506	0.669	2.58	24.80	23.82	1.253	0.838
LTE Band 41	20M	QPSK	1	0	Back Side	2593	0.699	-1.08	24.80	23.99	1.205	0.842
			1	0	Back Side	2680	0.789	3.47	24.80	24.50	1.072	0.845

12.4 Repeated SAR measurement

Band	BW (MHz)	Mod.	RB Size	RB offset	Test Position	Freq.	Original Measured SAR 1g (W/kg)	1 st Repeated SAR 1g	Ratio
LTE Band 4	20M	QPSK	1	0	Back Side	1720	0.940	0.918	1.024
			1	0	Back Side	1732.5	0.909	0.885	1.027
			1	0	Back Side	1745	0.913	0.901	1.013
			50	0	Back Side	1720	0.778	0.765	1.016
			50	0	Back Side	1732.5	0.754	0.725	1.040
			50	0	Back Side	1745	0.762	0.731	1.042
			100	0	Back Side	1720	0.743	0.738	1.007
			100	0	Back Side	1732.5	0.708	0.674	1.051
			100	0	Back Side	1745	0.726	0.717	1.012
LTE Band 38	20M	QPSK	1	0	Back Side	2580	0.711	0.691	1.029
			1	0	Back Side	2595	0.785	0.761	1.032
			1	0	Back Side	2610	0.809	0.770	1.051
LTE Band 41	20M	QPSK	1	0	Back Side	2506	0.669	0.663	1.008
			1	0	Back Side	2593	0.699	0.672	1.040
			1	0	Back Side	2680	0.789	0.762	1.035

Note:

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



12.5 Simultaneous Multi-band Transmission Evaluation

Application Simultaneous Transmission information:

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

NOTE:

1. For simultaneous transmission at head and body exposure position, 2 transmitters simultaneous transmission was the worst state.

2. If the test separation distance is <5mm, 5mm is used for excluded SAR calculation.

3. KDB 447498 / 4.3.2 (2) when standalone SAR test exclusion applies to an antenna that transmits simultaneously with other antennas, the standalone SAR must be estimated according to following to determine simultaneous transmission SAR test exclusion:

a) $(\text{max. power of channel, including tune-up tolerance, mW}) / (\text{min. test separation distance, mm}) \cdot [\sqrt{f} \text{ (GHz)} / x] \text{ W/kg}$ for test separation distances $\leq 50 \text{ mm}$;

Where $x = 7.5$ for 1-g SAR, and $x = 18.75$ for 10-g SAR.

b) 0.4W/Kg for 1-g SAR and 1.0W/Kg for 10-g SAR, when the separation distance is $>50\text{mm}$.

Estimated SAR		Maximum Turn-up Power		Antenna to user(mm)	Frequency (GHz)	Stand Alone SAR(1g) [W/kg]
		dBm	mW			
BT	Head	3	1.995	5	2.41	0.083
	Body			5	2.41	0.083
NFC	Head	-32	0.000631	5	0.01356	0.000002
	Body			5	0.01356	0.000002



Simultaneous Mode	Position	Mode	Max. 1-g SAR	1-g Sum SAR
			(W/kg)	(W/kg)
GSM + 2.4G WLAN + BT + NFC	Head	GSM	0.403	1.141
		NFC	0.0000020	
		2.4G WLAN	0.655	
		BT	0.083	
	Body	GSM	0.413	0.703
		NFC	0.0000020	
		2.4G WLAN	0.207	
		BT	0.083	
GSM + 5G WLAN+ BT +NFC	Head	GSM	0.403	1.166
		NFC	0.0000020	
		5G WLAN	0.680	
		BT	0.083	
	Body	GSM	0.413	0.723
		NFC	0.0000020	
		5G WLAN	0.227	
		BT	0.083	
WCDMA + 2.4G WLAN + BT + NFC	Head	WCDMA	0.520	1.258
		NFC	0.0000020	
		2.4G WLAN	0.655	
		BT	0.083	
	Body	WCDMA	0.765	1.055
		NFC	0.0000020	
		2.4G WLAN	0.207	
		BT	0.083	
WCDMA + 5G WLAN+ BT +NFC	Head	WCDMA	0.520	1.269
		NFC	0.0000020	
		5G WLAN	0.680	
		BT	0.069	
	Body	WCDMA	0.765	1.075
		NFC	0.0000020	
		5G WLAN	0.227	
		BT	0.083	
LTE + 2.4G WLAN + BT + NFC	Head	LTE	0.664	1.402
		NFC	0.0000020	
		2.4G WLAN	0.655	
		BT	0.083	
	Body	LTE	1.017	1.307
		NFC	0.0000020	
		2.4G WLAN	0.207	
		BT	0.083	
LTE + 5G WLAN+ BT +NFC	Head	LTE	0.664	1.427
		NFC	0.0000020	
		5G WLAN	0.680	
		BT	0.083	
	Body	LTE	1.017	1.327



		NFC	0.0000020	
		5G WLAN	0.227	
		BT	0.083	
		NR SA	0.707	
NR SA + 2.4G WLAN + BT + NFC	Head	NFC	0.0000020	1.445
		2.4G WLAN	0.655	
		BT	0.083	
		NR SA	0.705	
	Body	NFC	0.0000020	0.995
		2.4G WLAN	0.207	
		BT	0.083	
		NR SA	0.707	
NR SA + 5G WLAN + BT + NFC	Head	NFC	0.0000020	1.470
		5G WLAN	0.680	
		BT	0.083	
		NR SA	0.705	
	Body	NFC	0.0000020	1.015
		5G WLAN	0.227	
		BT	0.083	
		NSA	0.823	
NSA + 2.4G WLAN + BT + NFC	Head	NFC	0.0000020	1.561
		2.4G WLAN	0.655	
		BT	0.083	
		NSA	1.264	
	Body	NFC	0.0000020	1.554
		2.4G WLAN	0.207	
		BT	0.083	
		NSA	0.823	
NSA + 5G WLAN+ BT + NFC	Head	NFC	0.0000020	1.586
		5G WLAN	0.680	
		BT	0.083	
		NSA	1.264	
	Body	NFC	0.0000020	1.574
		5G WLAN	0.227	
		BT	0.083	
		NSA	0.823	

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

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



13. Equipment List

Kind of Equipment	Manufacturer	Type No.	Serial No.	Last Calibration	Calibrated Until
750MHz Dipole	MVG	DIP0G750	SN 06/22 DIP0G750-638	2025.05.20	2028.05.19
835MHz Dipole	MVG	DIP0G835	SN 06/22 DIP0G835-639	2025.05.20	2028.05.19
1800MHz Dipole	MVG	DIP1G800	SN 06/22 DIP1G800-640	2025.05.20	2028.05.19
1900MHz Dipole	MVG	DIP1G900	SN 06/22 DIP1G900-641	2025.05.20	2028.05.19
2450MHz Dipole	MVG	DIP2G450	SN 06/22 DIP2G450-645	2025.05.20	2028.05.19
2600MHz Dipole	MVG	DIP2G600	SN 06/22 DIP2G600-646	2025.05.20	2028.05.19
3500MHz Dipole	MVG	DIP3G500	SN 06/22 DIP3G500-647	2025.05.20	2028.05.19
3700MHz Dipole	MVG	DIP3G700	SN 06/22 DIP3G700-648	2025.05.21	2028.05.20
5000MHz Dipole	MVG	DIP5G000	SN 06/22 DIP5G000-653	2025.05.22	2028.05.21
E-Field Probe	MVG	SSE2	0326-EPGO-431	2026.01.22	2027.01.21
Liquid Calibration Kit	MVG	OCPG 87	SN 06/22 OCPG87	2026.05.28	2027.05.27
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	R&S	ZVL	116184	2026.03.03	2027.03.02
Multi Meter	Keithley	DMM6500	4527252	2026.03.03	2027.03.02
Signal Generator	Keysight	N5182B	MY59100717	2026.03.03	2027.03.02
Wireless Communication Test Set	R&S	CMW500	137737	2026.03.02	2027.03.01
Power Sensor	R&S	Z11	116184	2026.03.03	2027.03.02
Electronic Temperature hygrometer	N/A	ST-W2318	N/A	2026.03.05	2027.03.04
Temperature hygrometer	N/A	TP101	N/A	2026.03.05	2027.03.04



Appendix A. System Validation Plots

System Performance Check Data (750MHz)

Type: Phone measurement (Complete)

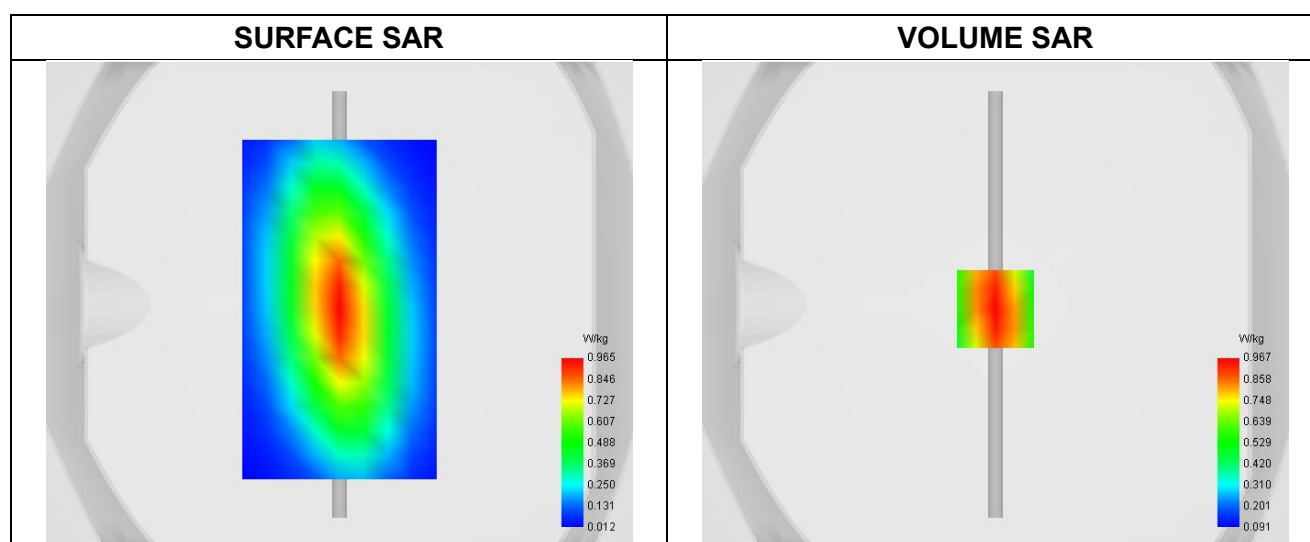
Area scan resolution: dx=8mm,dy=8mm

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

Date of measurement: 2026-06-21

Experimental conditions.

Phantom	Validation plane
Device Position	Dipole
Band	CW750
Channels	Middle
Signal	CW
Frequency (MHz)	750.000
Relative permittivity	42.63
Conductivity (S/m)	0.85
Probe	0326-EPGO-431
ConvF	0.71
Crest factor:	1:1

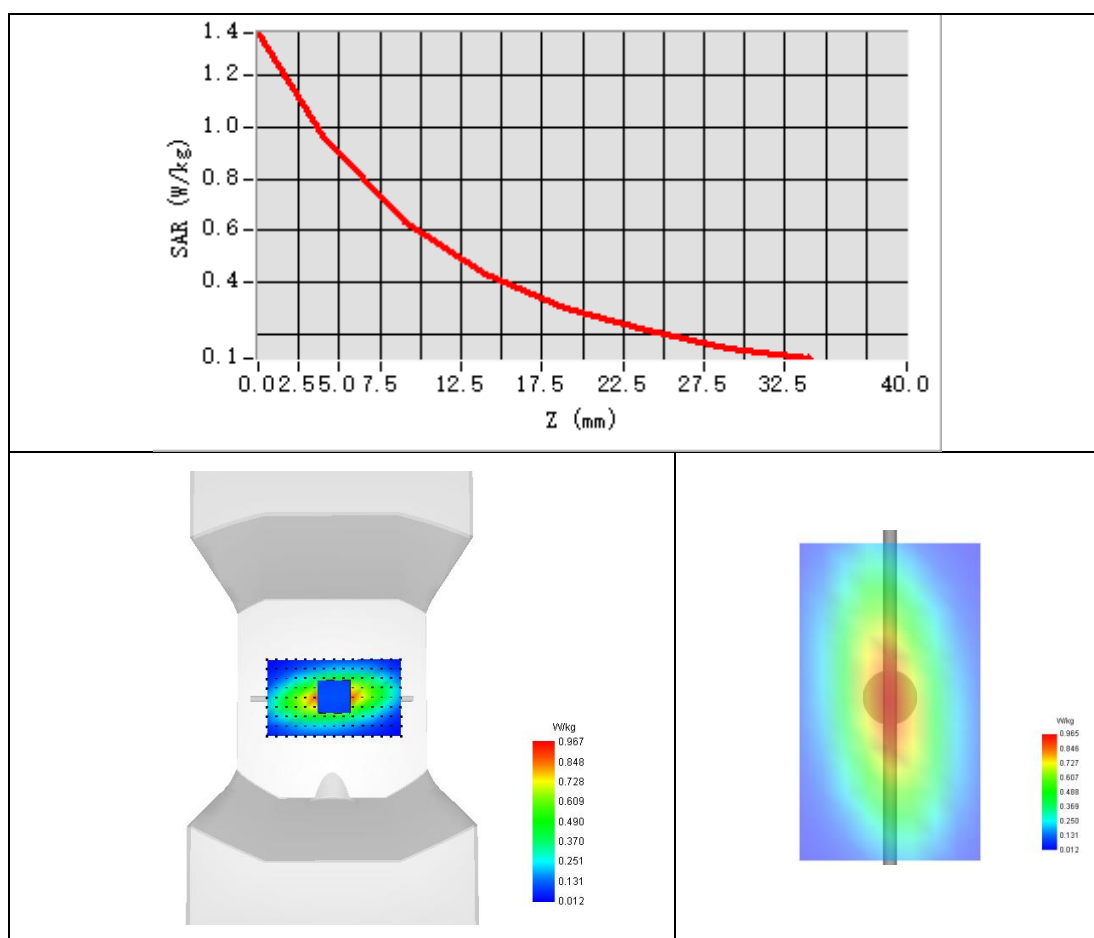


Maximum location: X=5.00, Y=9.00 ; SAR Peak: 1.52 W/kg

SAR 10g (W/Kg)	0.556
SAR 1g (W/Kg)	0.856



Z Axis Scan





System Performance Check Data (750MHz)

Type: Phone measurement (Complete)

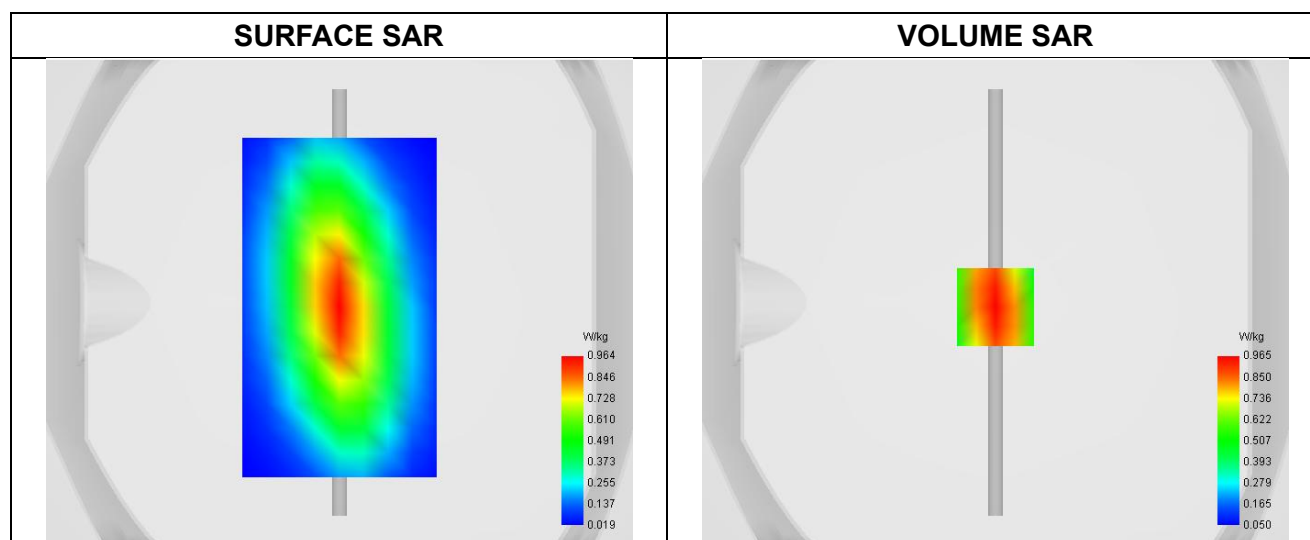
Area scan resolution: dx=8mm,dy=8mm

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

Date of measurement: 2026-06-24

Experimental conditions.

Phantom	Validation plane
Device Position	Dipole
Band	CW750
Channels	Middle
Signal	CW
Frequency (MHz)	750.000
Relative permittivity	42.77
Conductivity (S/m)	0.90
Probe	0326-EPGO-431
ConvF	0.71
Crest factor:	1:1

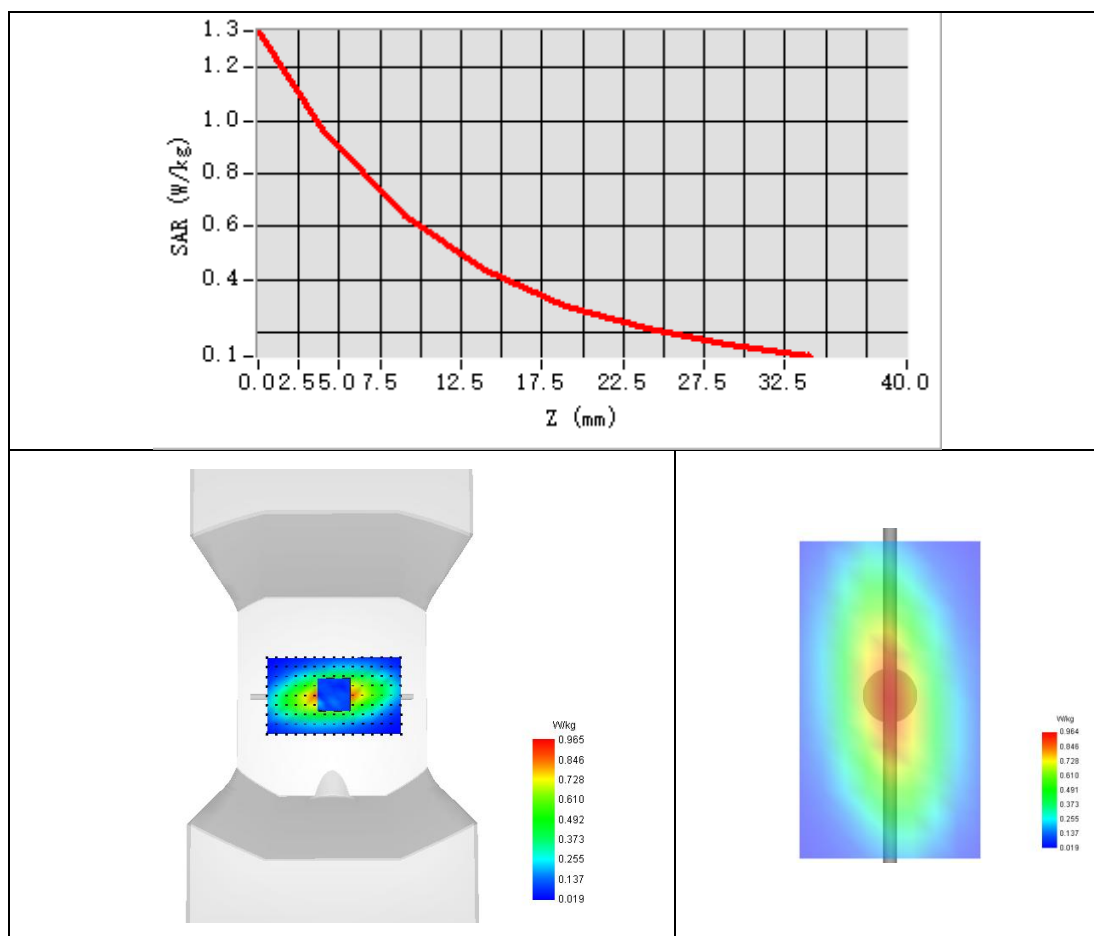


Maximum location: X=5.00, Y=9.00 ; SAR Peak: 1.52 W/kg

SAR 10g (W/Kg)	0.572
SAR 1g (W/Kg)	0.837



Z Axis Scan





System Performance Check Data (750MHz)

Type: Phone measurement (Complete)

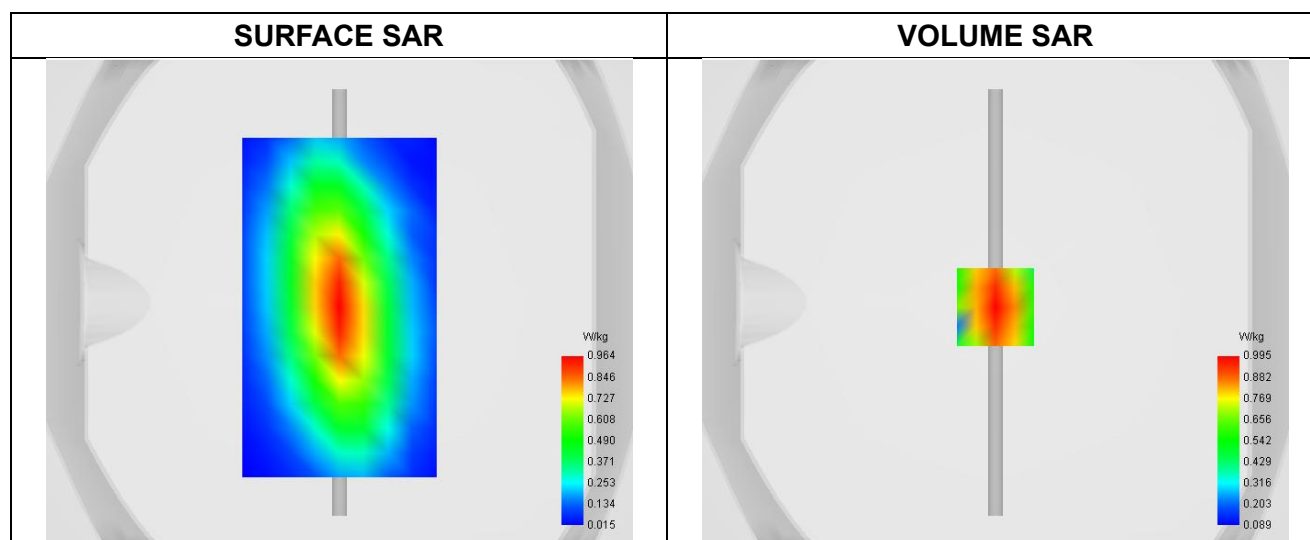
Area scan resolution: dx=8mm,dy=8mm

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

Date of measurement: 2026-06-22

Experimental conditions.

Phantom	Validation plane
Device Position	Dipole
Band	CW750
Channels	Middle
Signal	CW
Frequency (MHz)	750.000
Relative permittivity	42.70
Conductivity (S/m)	0.87
Probe	0326-EPGO-431
ConvF	0.71
Crest factor:	1:1

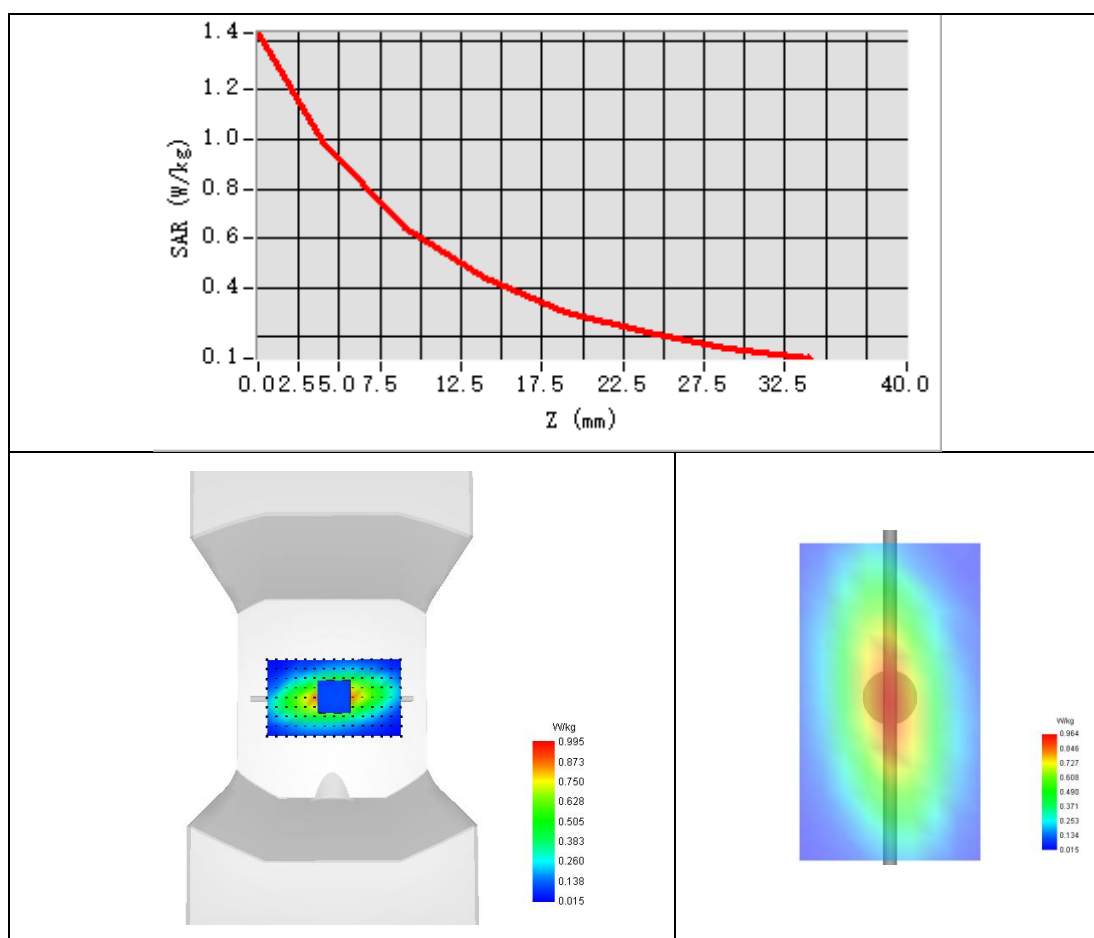


Maximum location: X=5.00, Y=9.00 ; SAR Peak: 1.52 W/kg

SAR 10g (W/Kg)	0.560
SAR 1g (W/Kg)	0.855



Z Axis Scan





System Performance Check Data (835MHz)

Type: Phone measurement (Complete)

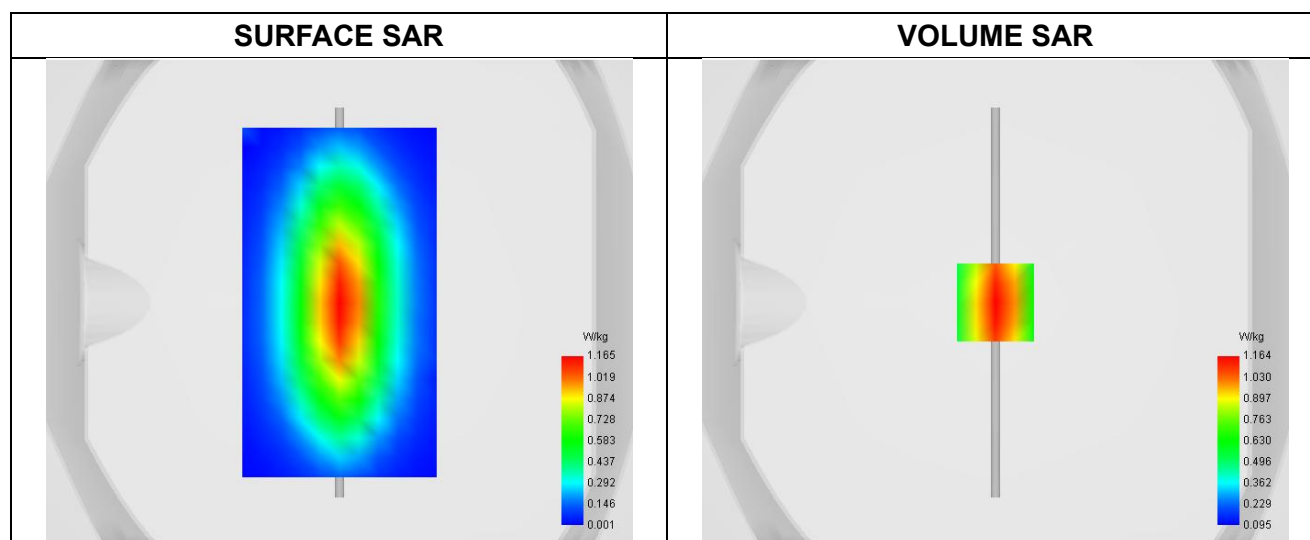
Area scan resolution: dx=8mm,dy=8mm

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

Date of measurement: 2026-06-18

Experimental conditions.

Phantom	Validation plane
Device Position	Dipole
Band	CW835
Channels	Middle
Signal	CW
Frequency (MHz)	835.000
Relative permittivity	41.52
Conductivity (S/m)	0.93
Probe	0326-EPGO-431
ConvF	0.69
Crest factor:	1:1

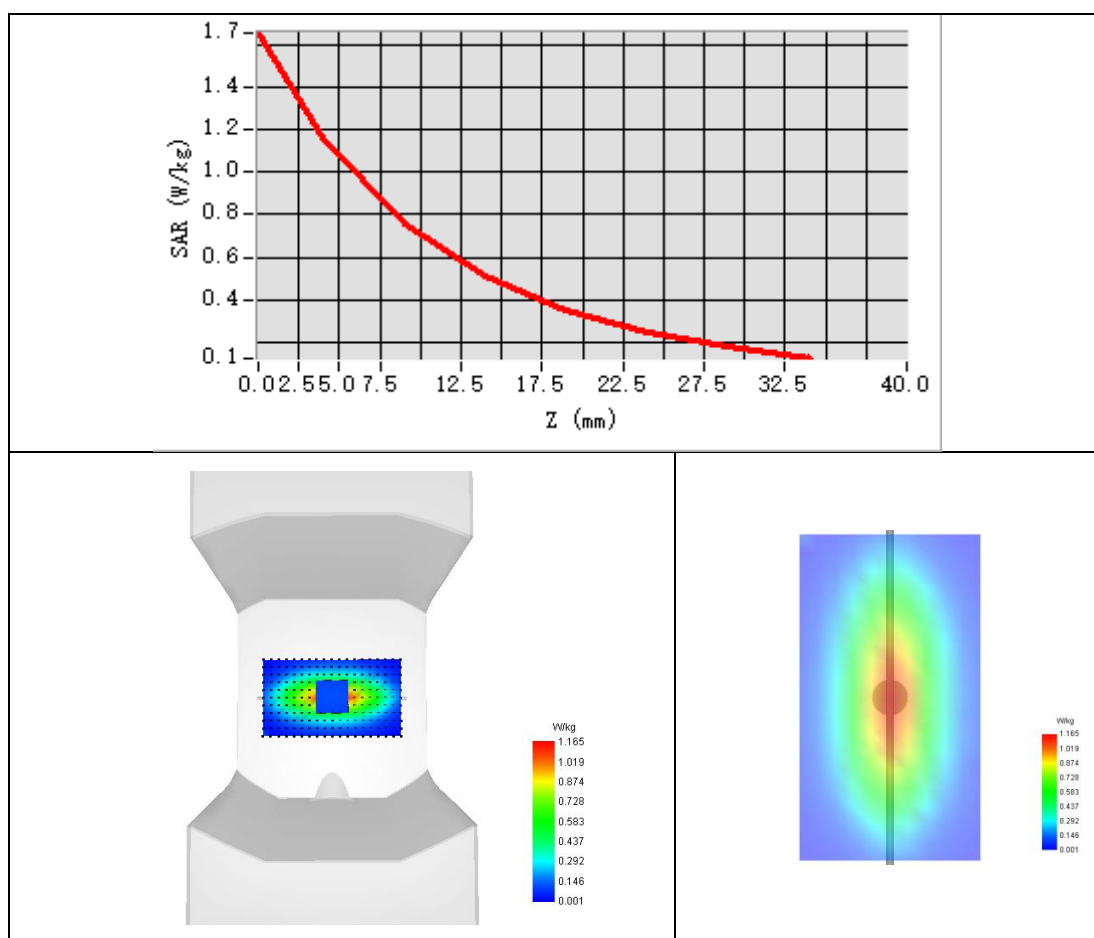


Maximum location: X=5.00, Y=5.00 ; SAR Peak: 1.45 W/kg

SAR 10g (W/Kg)	0.588
SAR 1g (W/Kg)	0.976



Z Axis Scan





System Performance Check Data (835MHz)

Type: Phone measurement (Complete)

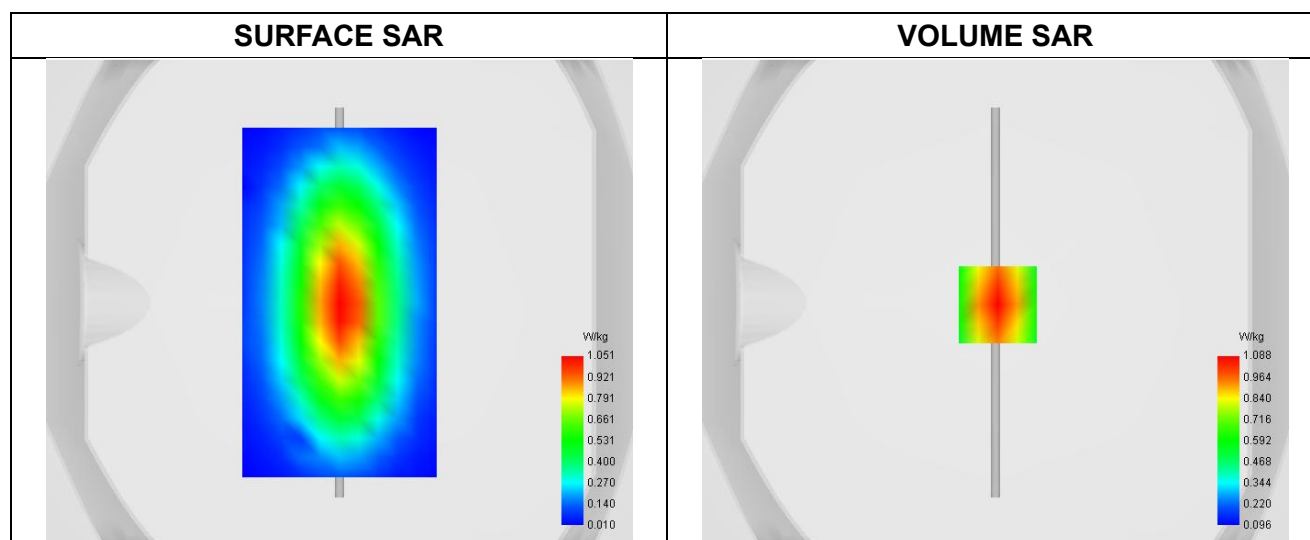
Area scan resolution: dx=8mm,dy=8mm

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

Date of measurement: 2026-06-23

Experimental conditions.

Phantom	Validation plane
Device Position	Dipole
Band	CW835
Channels	Middle
Signal	CW
Frequency (MHz)	835.000
Relative permittivity	42.15
Conductivity (S/m)	0.92
Probe	0326-EPGO-431
ConvF	0.69
Crest factor:	1:1

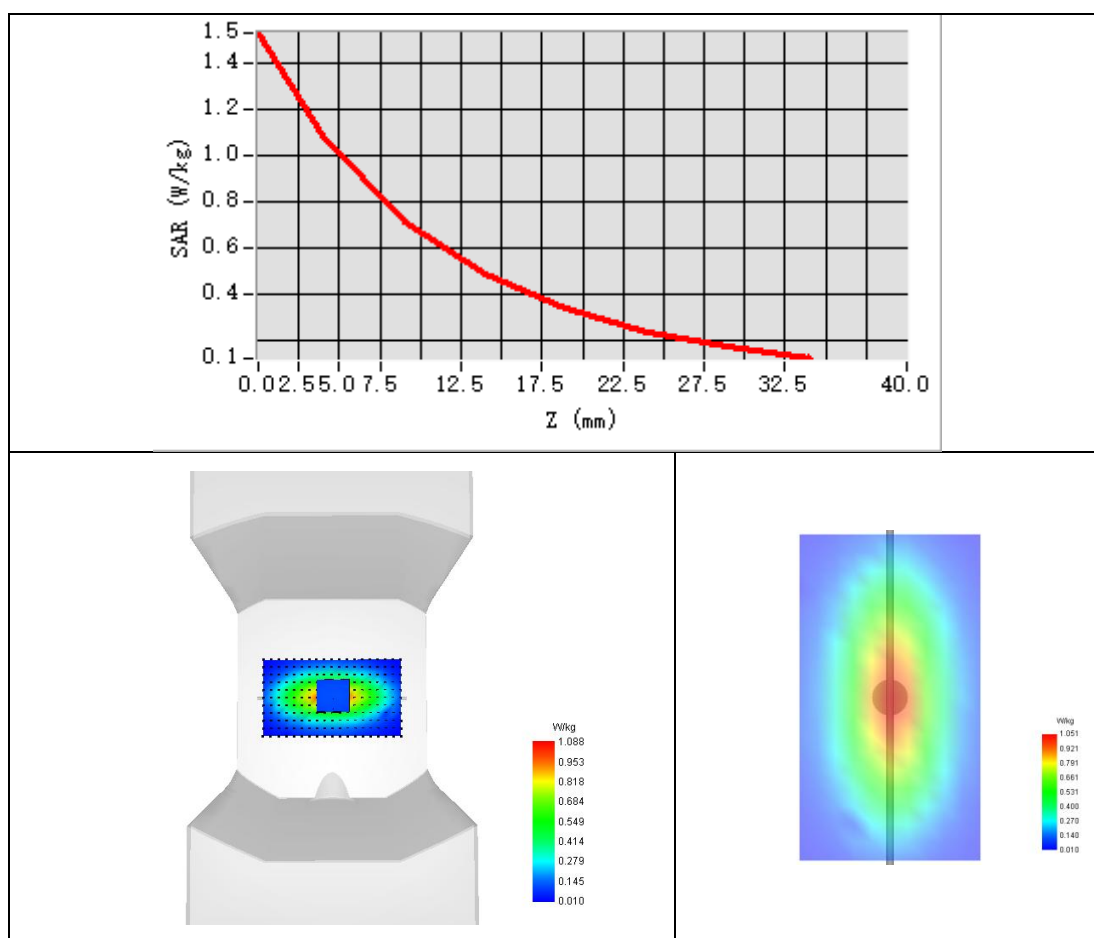


Maximum location: X=5.00, Y=5.00 ; SAR Peak: 1.45 W/kg

SAR 10g (W/Kg)	0.574
SAR 1g (W/Kg)	1.005



Z Axis Scan





System Performance Check Data (1800MHz)

Type: Phone measurement (Complete)

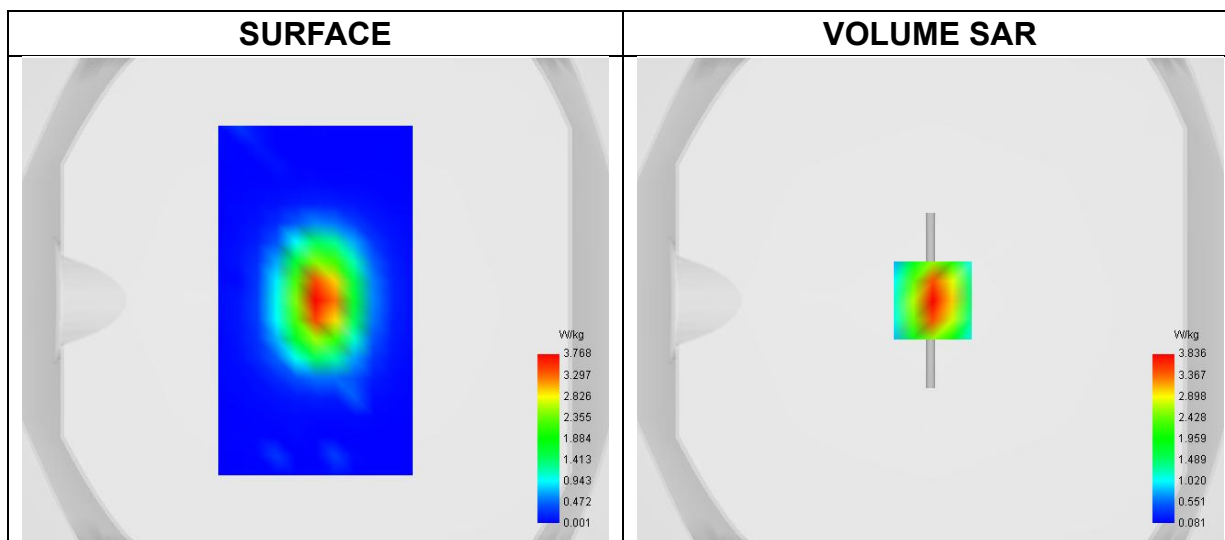
Area scan resolution: dx=8mm, dy=8mm

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

Date of measurement: 2026-06-20

Experimental conditions.

Phantom	Validation plane
Device Position	Dipole
Band	CW1800
Channels	Middle
Signal	CW
Frequency (MHz)	1800.000
Relative permittivity	40.88
Conductivity (S/m)	1.39
Probe	0326-EPGO-431
ConvF	0.69
Crest factor:	1:1

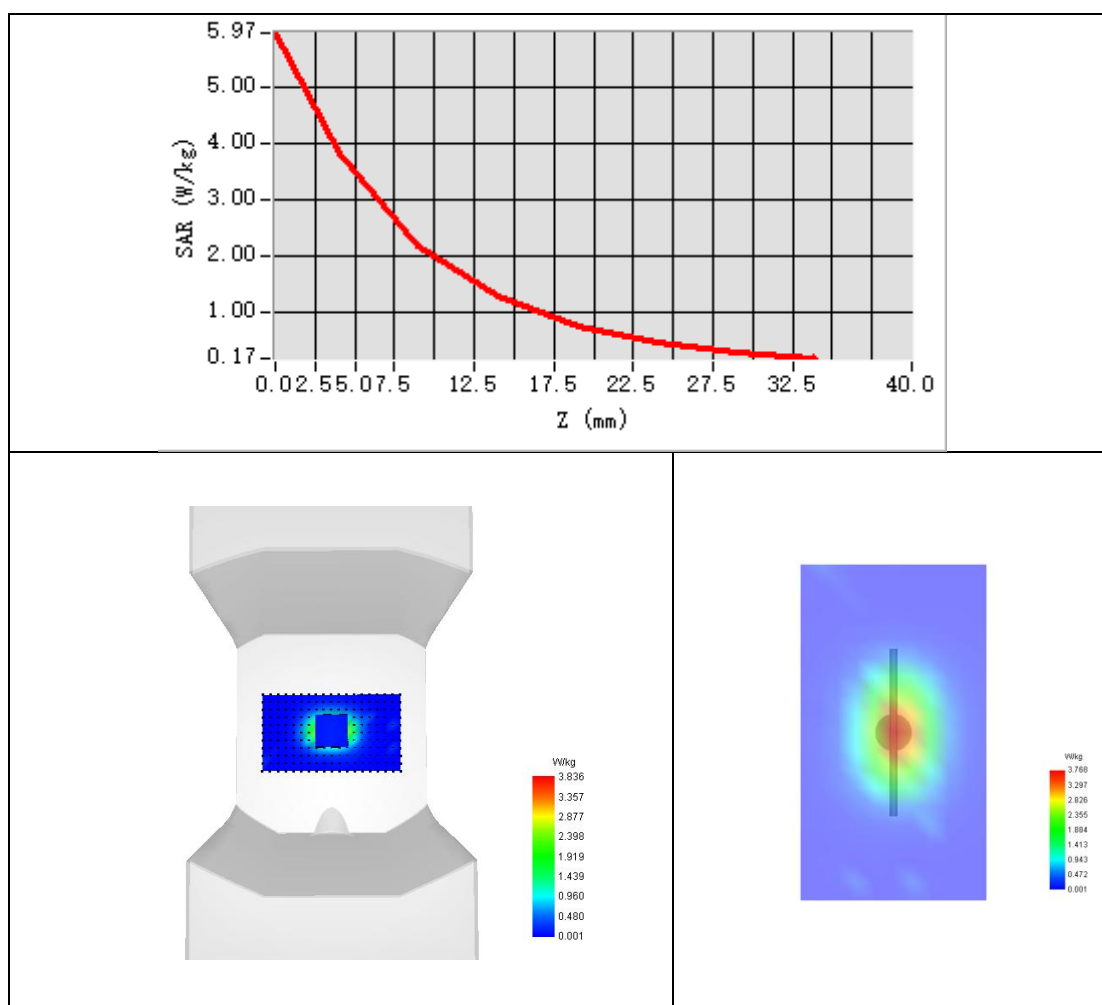


Maximum location: X=3.00, Y=3.00 ; SAR Peak: 6.84 W/kg

SAR 10g (W/Kg)	1.900
SAR 1g (W/Kg)	3.638



Z Axis Scan





System Performance Check Data (1800MHz)

Type: Phone measurement (Complete)

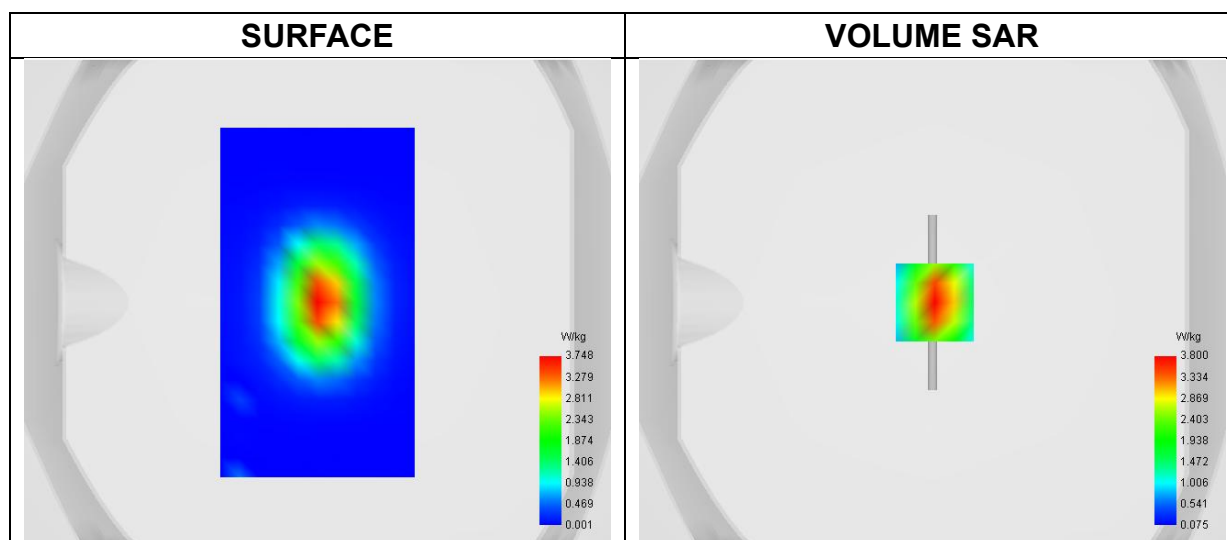
Area scan resolution: dx=8mm, dy=8mm

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

Date of measurement: 2026-06-19

Experimental conditions.

Phantom	Validation plane
Device Position	Dipole
Band	CW1800
Channels	Middle
Signal	CW
Frequency (MHz)	1800.000
Relative permittivity	41.03
Conductivity (S/m)	1.42
Probe	0326-EPGO-431
ConvF	0.69
Crest factor:	1:1

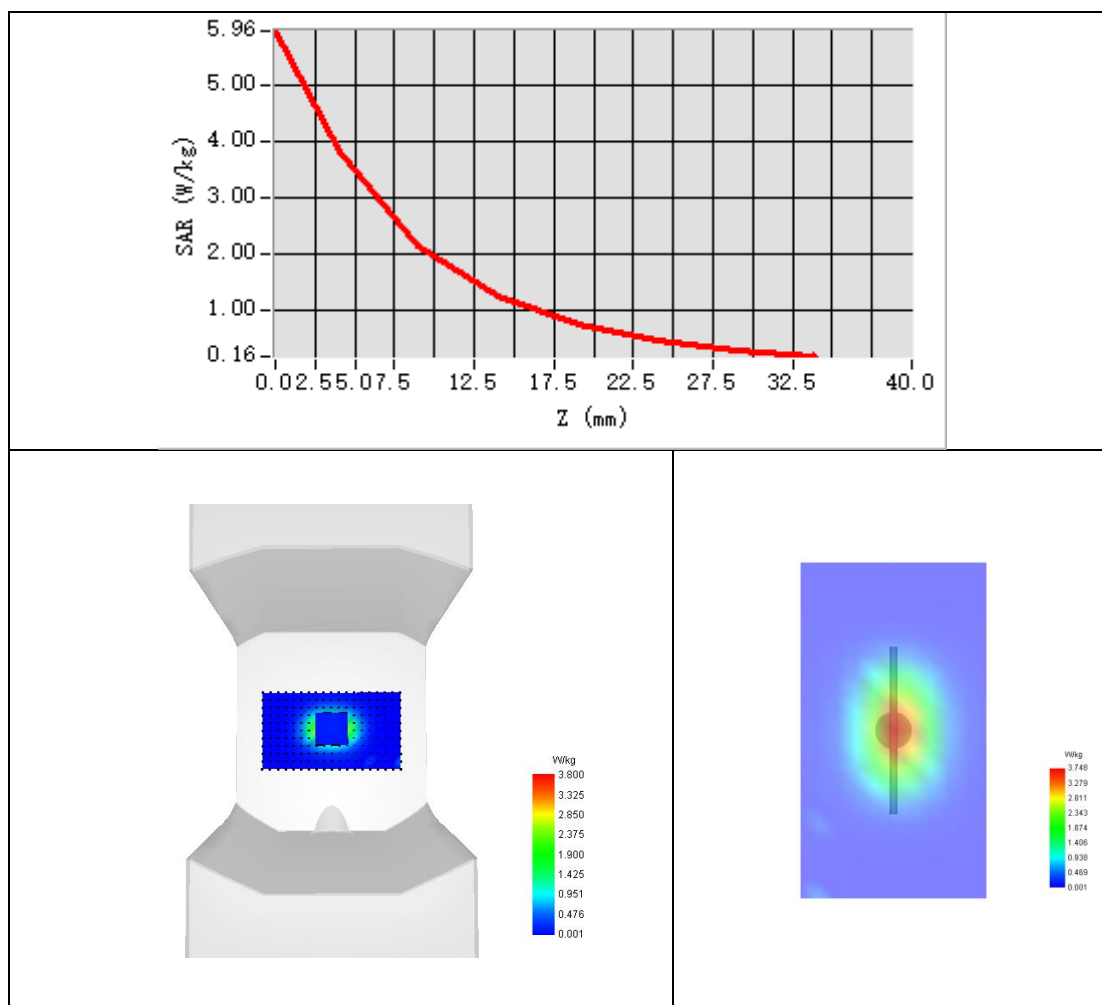


Maximum location: X=3.00, Y=3.00 ; SAR Peak: 6.84 W/kg

SAR 10g (W/Kg)	1.895
SAR 1g (W/Kg)	3.652



Z Axis Scan





System Performance Check Data (1900MHz)

Type: Phone measurement (Complete)

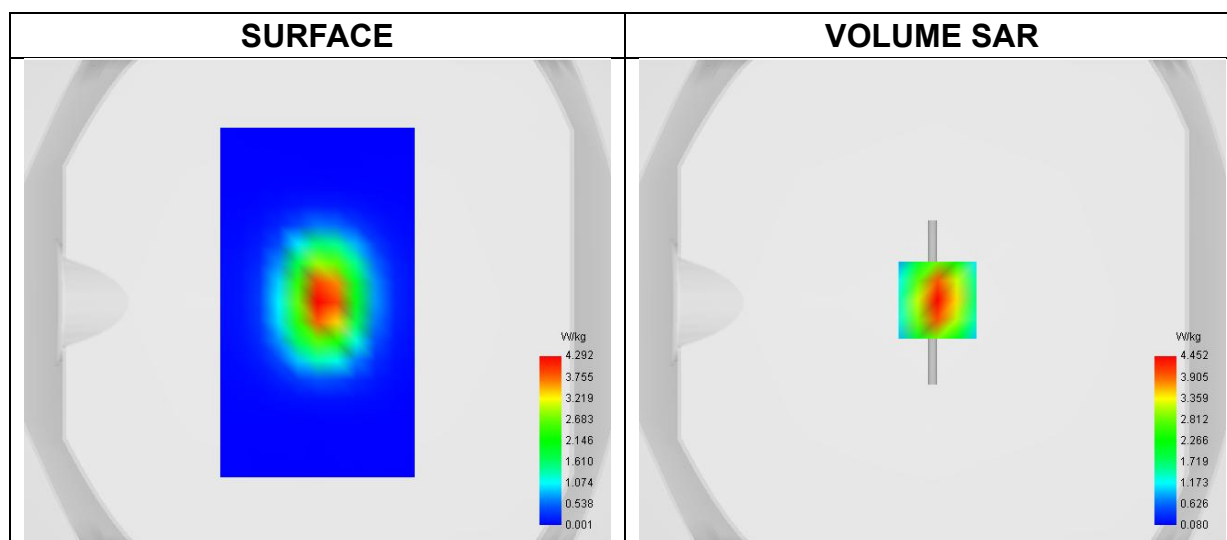
Area scan resolution: dx=8mm, dy=8mm

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

Date of measurement: 2026-06-25

Experimental conditions.

Phantom	Validation plane
Device Position	Dipole
Band	CW1900
Channels	Middle
Signal	CW
Frequency (MHz)	1900.000
Relative permittivity	40.82
Conductivity (S/m)	1.45
Probe	0326-EPGO-431
ConvF	0.90
Crest factor:	1:1

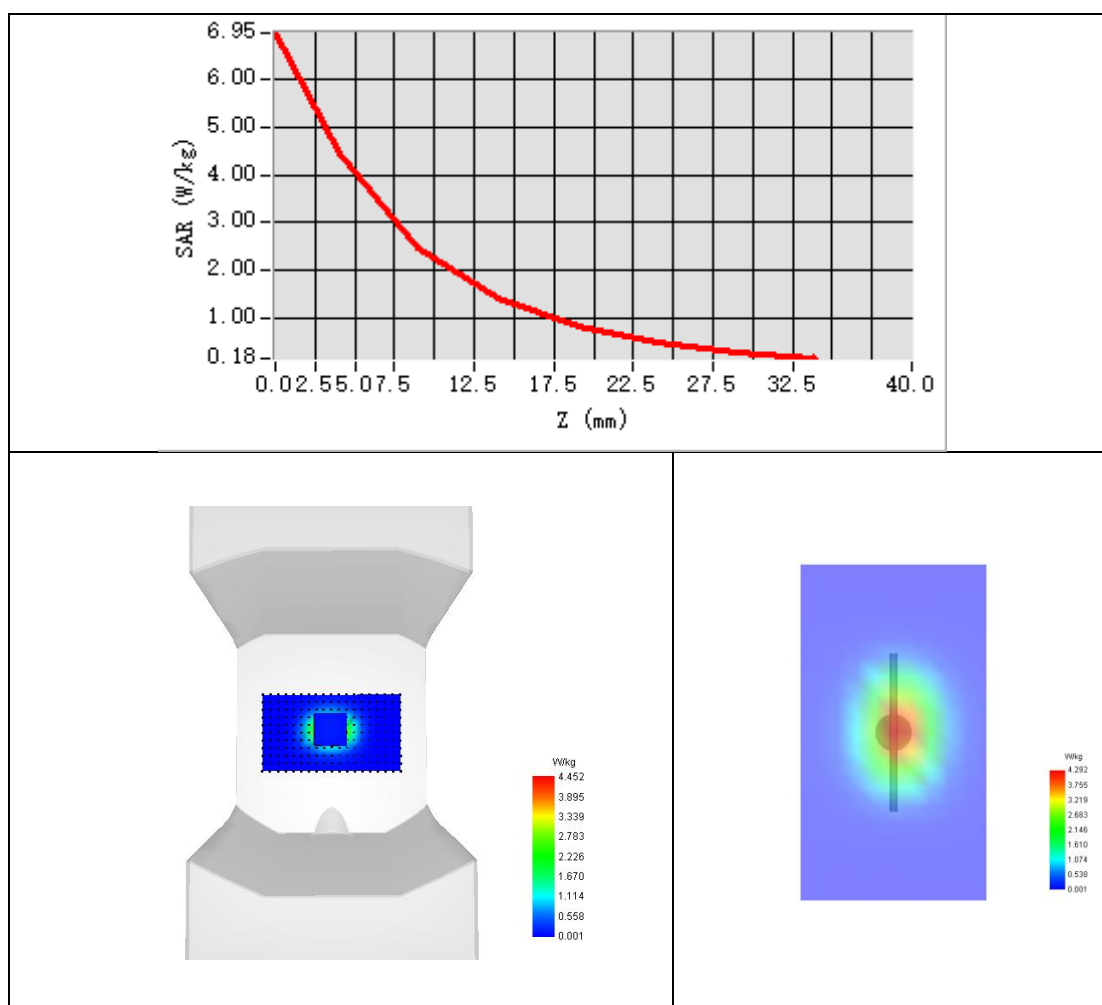


Maximum location: X=5.00, Y=1.00 ; SAR Peak: 6.89 W/kg

SAR 10g (W/Kg)	2.108
SAR 1g (W/Kg)	3.996



Z Axis Scan





System Performance Check Data (1900MHz)

Type: Phone measurement (Complete)

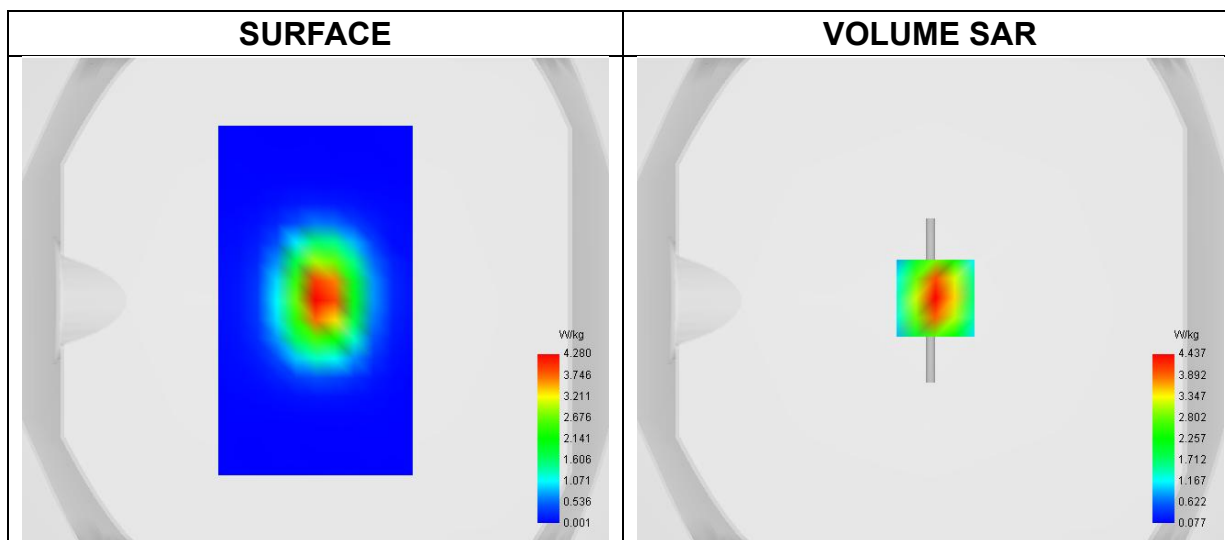
Area scan resolution: dx=8mm, dy=8mm

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

Date of measurement: 2026-06-26

Experimental conditions.

Phantom	Validation plane
Device Position	Dipole
Band	CW1900
Channels	Middle
Signal	CW
Frequency (MHz)	1900.000
Relative permittivity	40.38
Conductivity (S/m)	1.39
Probe	0326-EPGO-431
ConvF	0.90
Crest factor:	1:1

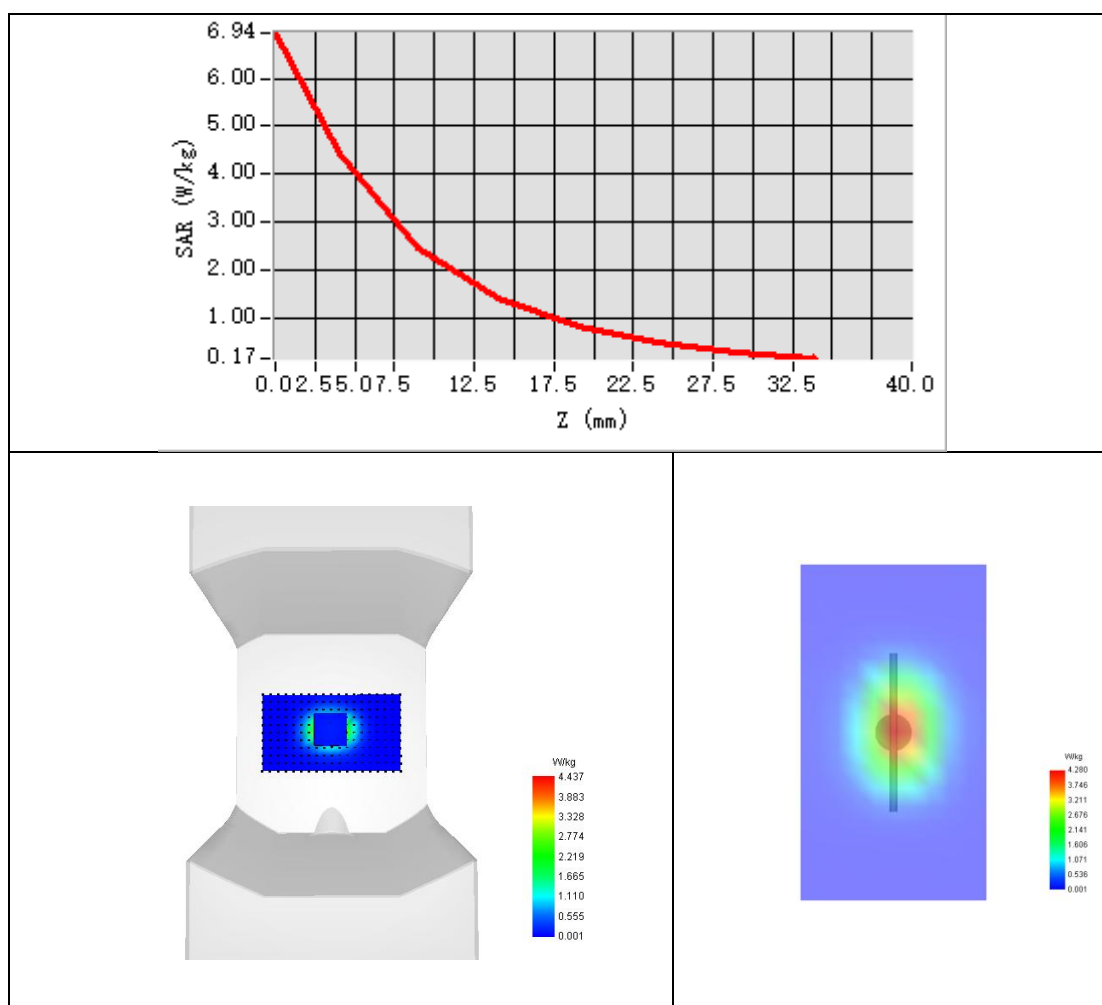


Maximum location: X=5.00, Y=1.00 ; SAR Peak: 6.89 W/kg

SAR 10g (W/Kg)	2.085
SAR 1g (W/Kg)	4.033



Z Axis Scan





System Performance Check Data (2450MHz)

Type: Phone measurement (Complete)

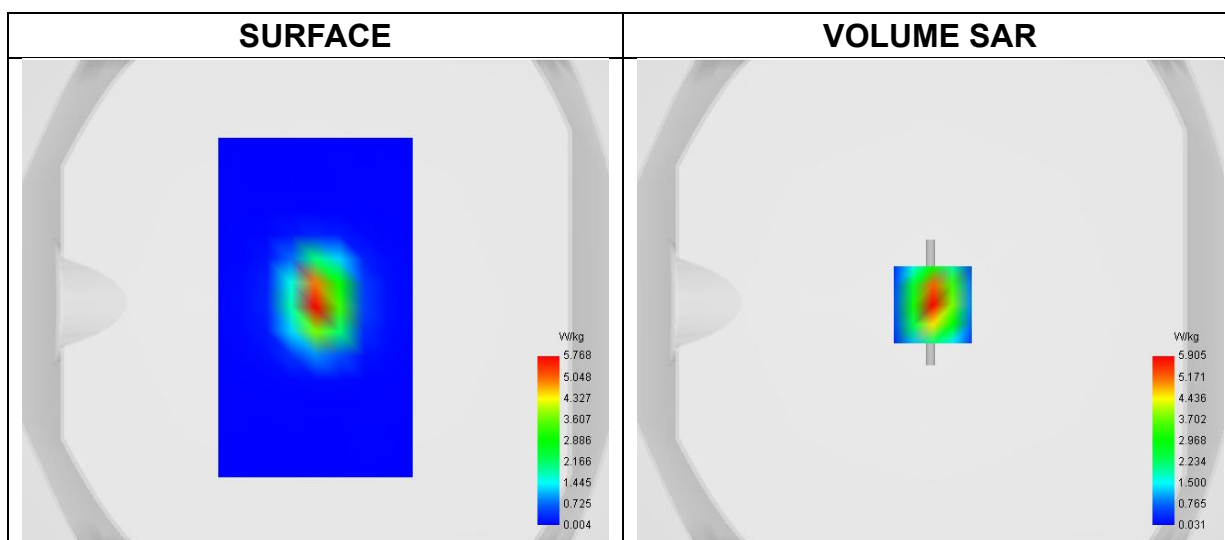
Area scan resolution: dx=8mm, dy=8mm

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

Date of measurement: 2026-06-20

Experimental conditions.

Phantom	Validation plane
Device Position	Dipole
Band	CW2450
Channels	Middle
Signal	CW
Frequency (MHz)	2450.000
Relative permittivity	39.52
Conductivity (S/m)	1.78
Probe	0326-EPGO-431
ConvF	1.03
Crest factor:	1:1

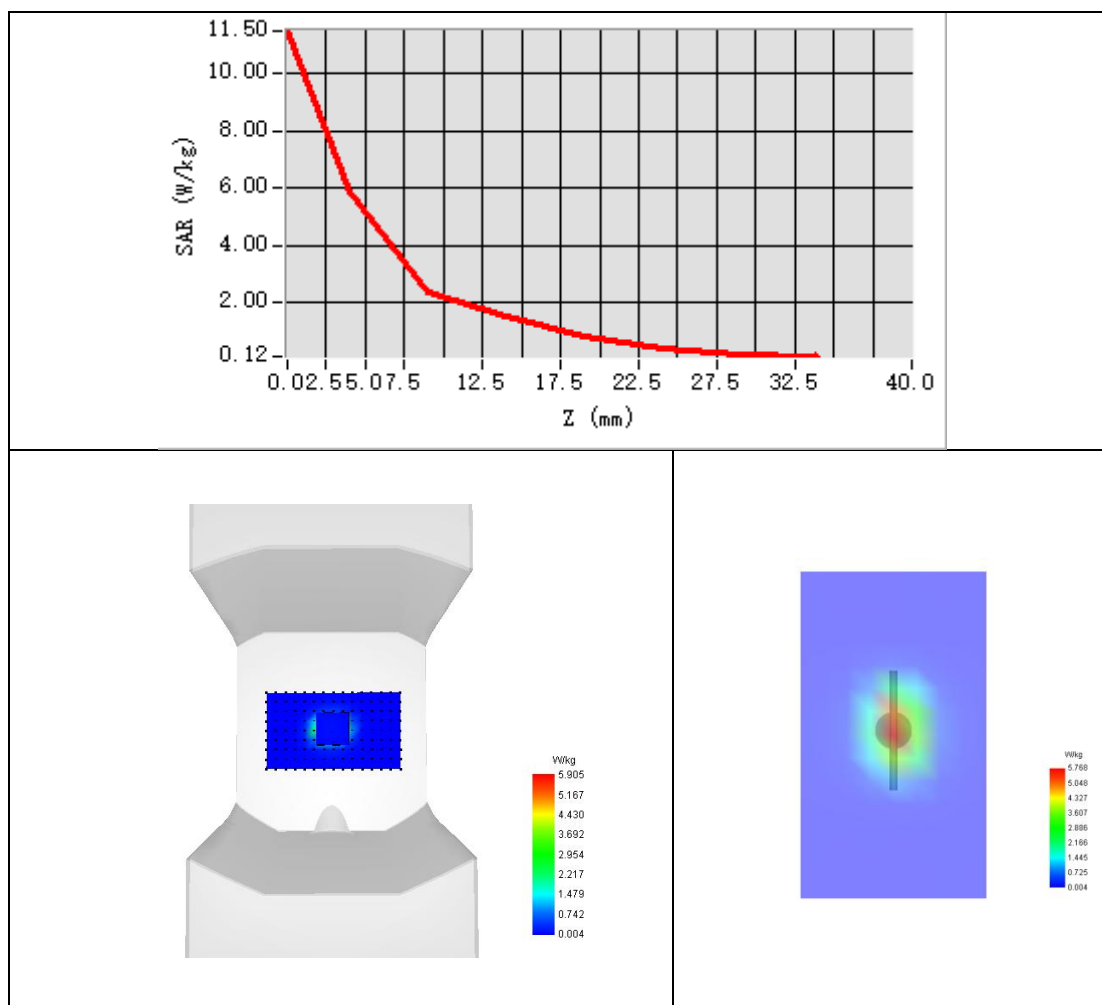


Maximum location: X=5.00, Y=3.00 ; SAR Peak: 8.39 W/kg

SAR 10g (W/Kg)	2.461
SAR 1g (W/Kg)	5.279



Z Axis Scan





System Performance Check Data (2450MHz)

Type: Phone measurement (Complete)

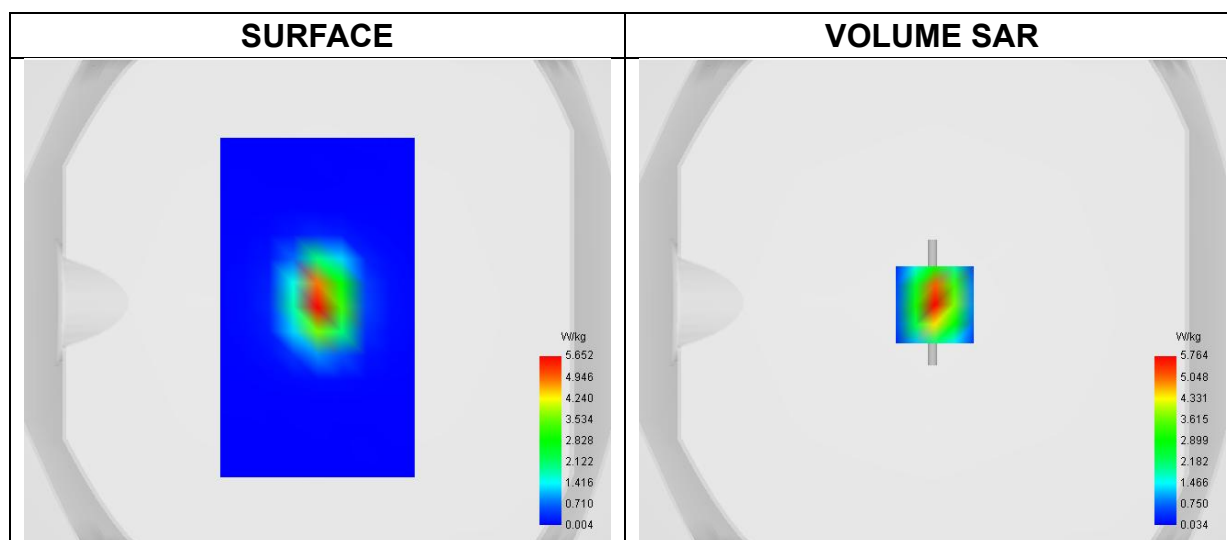
Area scan resolution: dx=8mm, dy=8mm

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

Date of measurement: 2026-06-27

Experimental conditions.

Phantom	Validation plane
Device Position	Dipole
Band	CW2450
Channels	Middle
Signal	CW
Frequency (MHz)	2450.000
Relative permittivity	39.71
Conductivity (S/m)	1.78
Probe	0326-EPGO-431
ConvF	1.03
Crest factor:	1:1

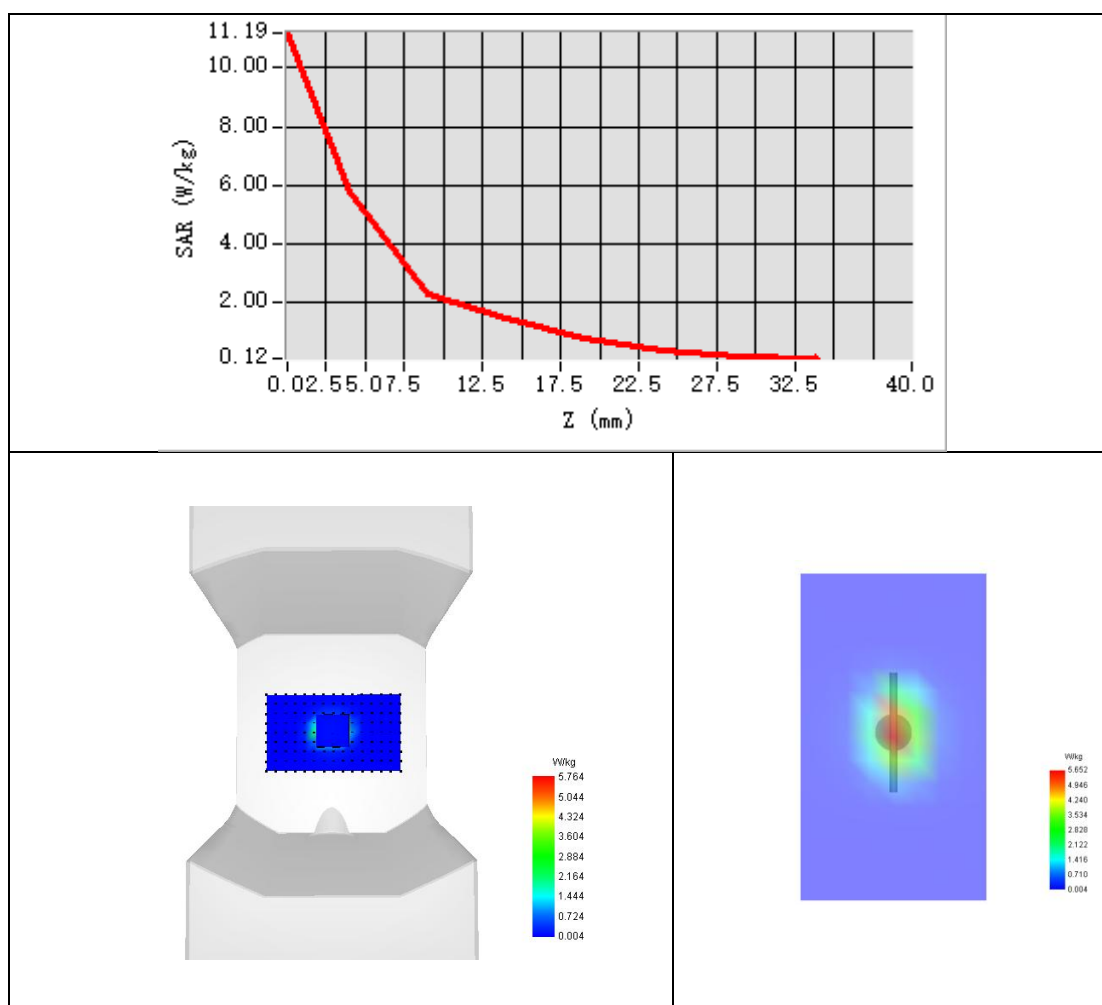


Maximum location: X=5.00, Y=3.00 ; SAR Peak: 8.39 W/kg

SAR 10g (W/Kg)	2.472
SAR 1g (W/Kg)	5.289



Z Axis Scan





System Performance Check Data (2600MHz)

Type: Phone measurement (Complete)

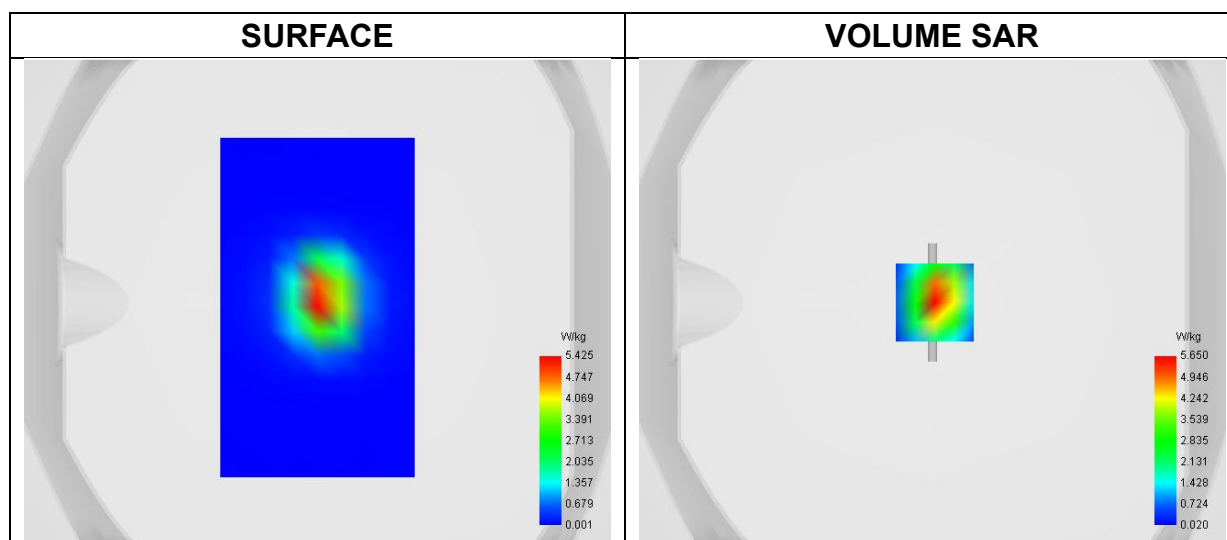
Area scan resolution: dx=8mm, dy=8mm

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

Date of measurement: 2026-06-28

Experimental conditions.

Phantom	Validation plane
Device Position	Dipole
Band	CW2600
Channels	Middle
Signal	CW
Frequency (MHz)	2600.000
Relative permittivity	40.00
Conductivity (S/m)	1.92
Probe	0326-EPGO-431
ConvF	0.98
Crest factor:	1:1

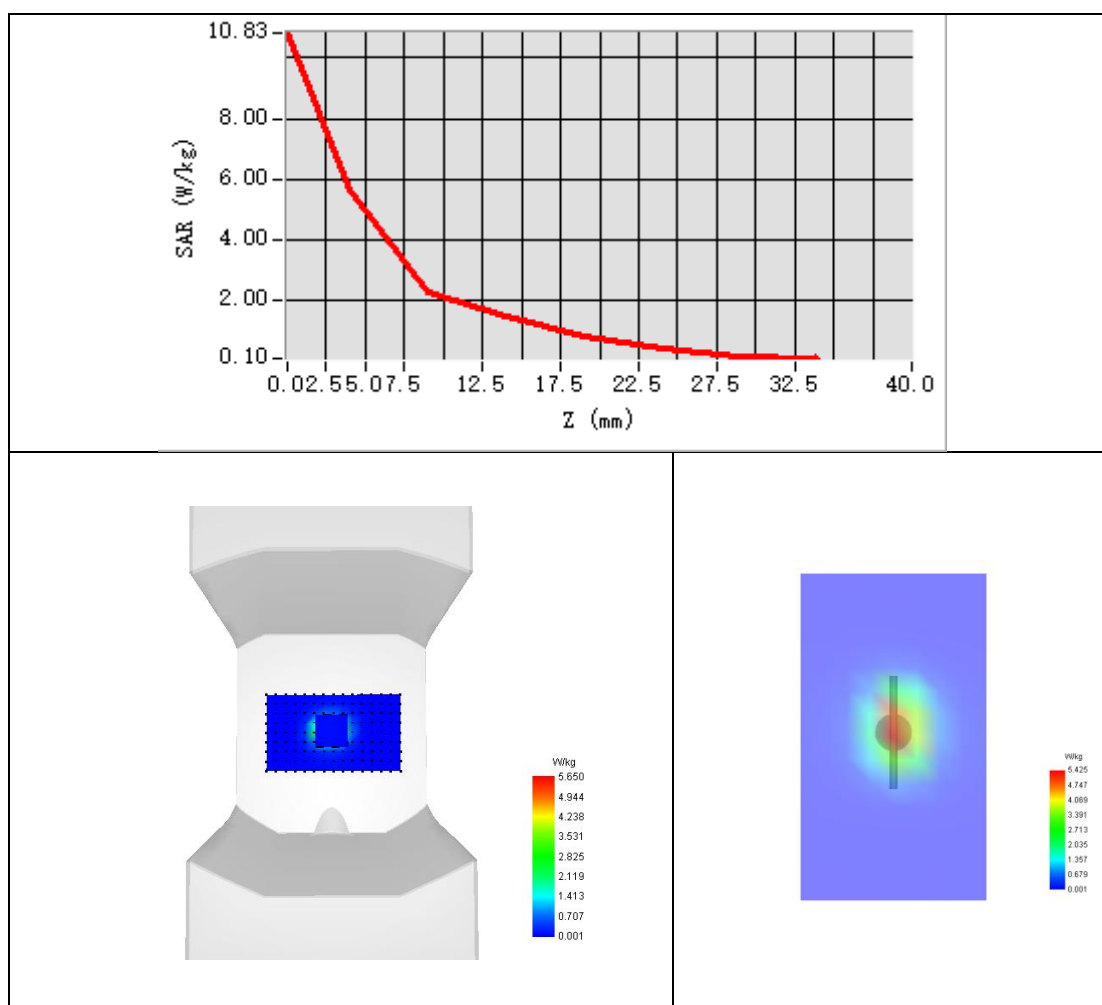


Maximum location: X=3.00, Y=3.00 ; SAR Peak: 9.58 W/kg

SAR 10g (W/Kg)	2.562
SAR 1g (W/Kg)	5.566



Z Axis Scan





System Performance Check Data (2600MHz)

Type: Phone measurement (Complete)

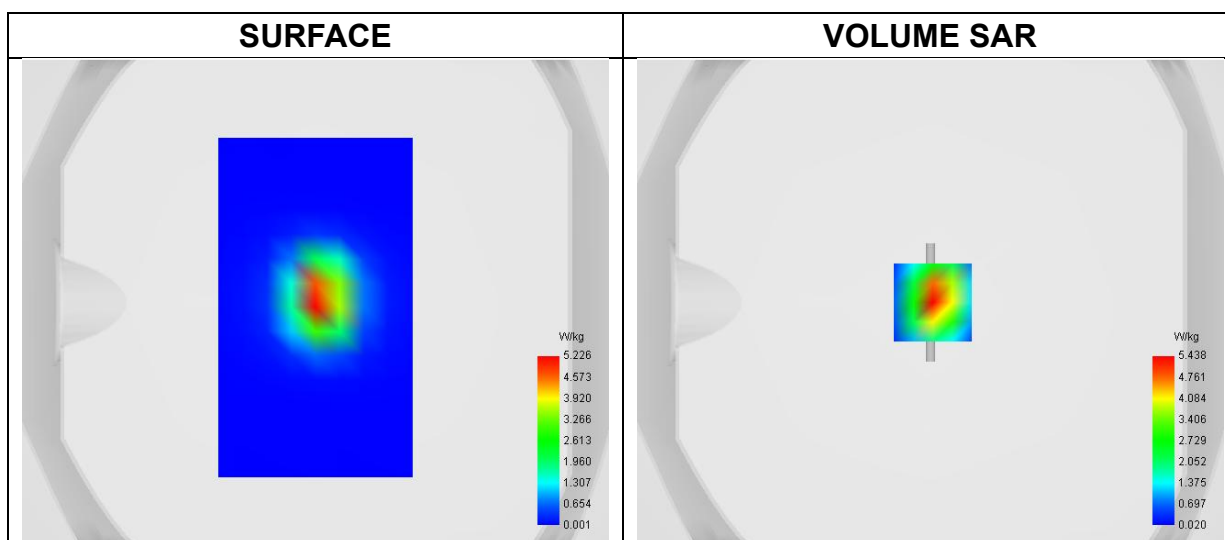
Area scan resolution: dx=8mm, dy=8mm

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

Date of measurement: 2026-06-30

Experimental conditions.

Phantom	Validation plane
Device Position	Dipole
Band	CW2600
Channels	Middle
Signal	CW
Frequency (MHz)	2600.000
Relative permittivity	39.61
Conductivity (S/m)	1.97
Probe	0326-EPGO-431
ConvF	0.98
Crest factor:	1:1

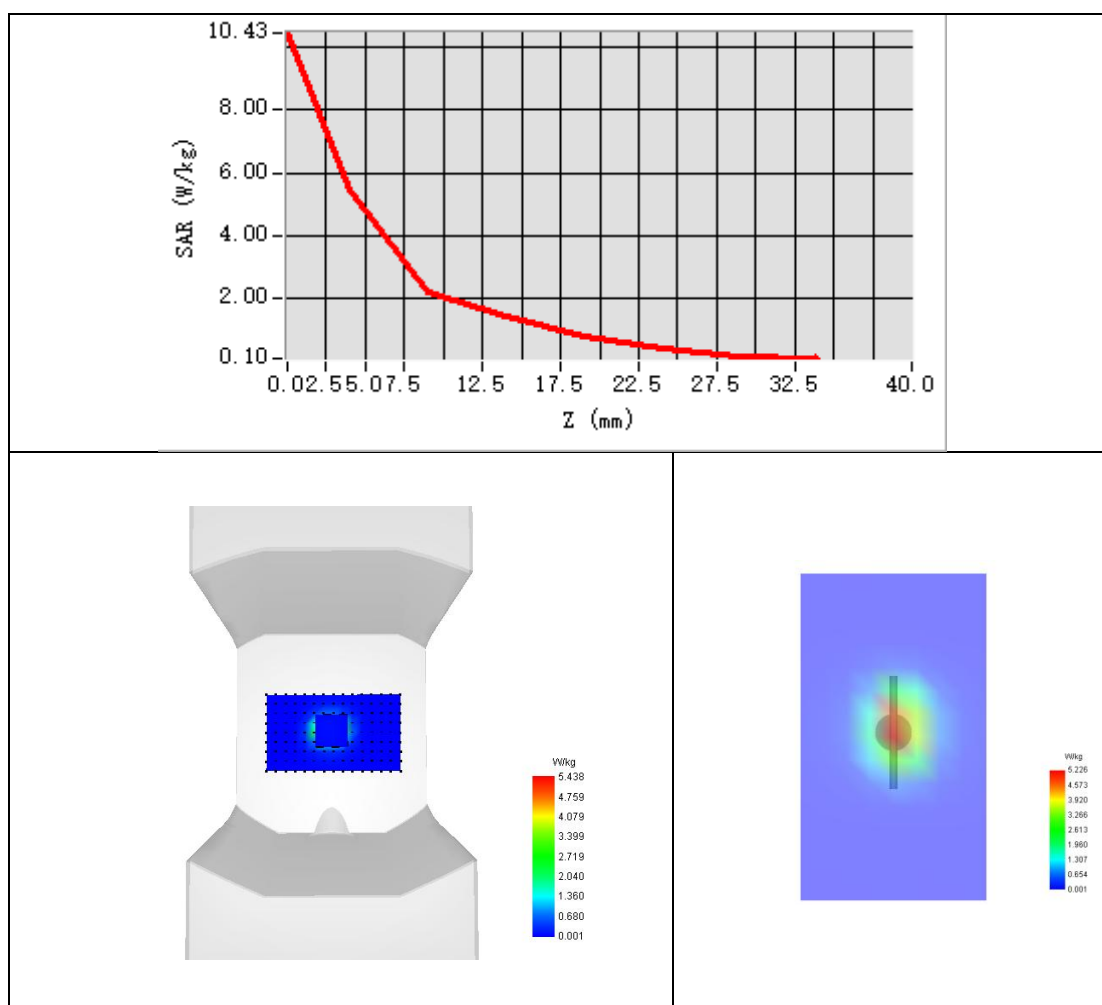


Maximum location: X=3.00, Y=3.00 ; SAR Peak: 9.58 W/kg

SAR 10g (W/Kg)	2.516
SAR 1g (W/Kg)	5.605



Z Axis Scan





System Performance Check Data (2600MHz)

Type: Phone measurement (Complete)

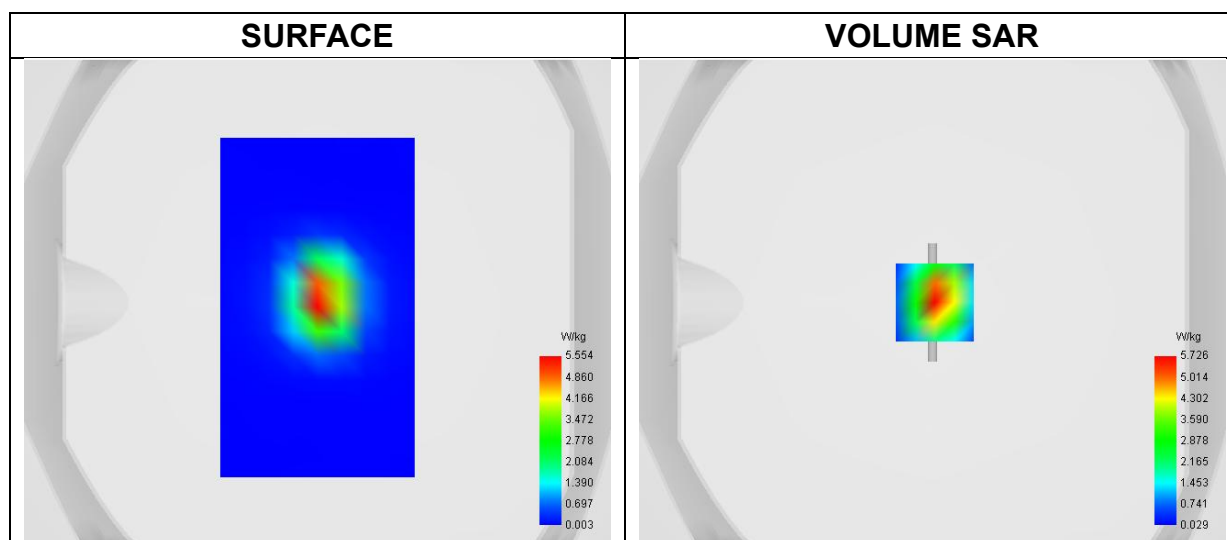
Area scan resolution: dx=8mm, dy=8mm

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

Date of measurement: 2026-06-22

Experimental conditions.

Phantom	Validation plane
Device Position	Dipole
Band	CW2600
Channels	Middle
Signal	CW
Frequency (MHz)	2600.000
Relative permittivity	39.67
Conductivity (S/m)	1.93
Probe	0326-EPGO-431
ConvF	0.98
Crest factor:	1:1

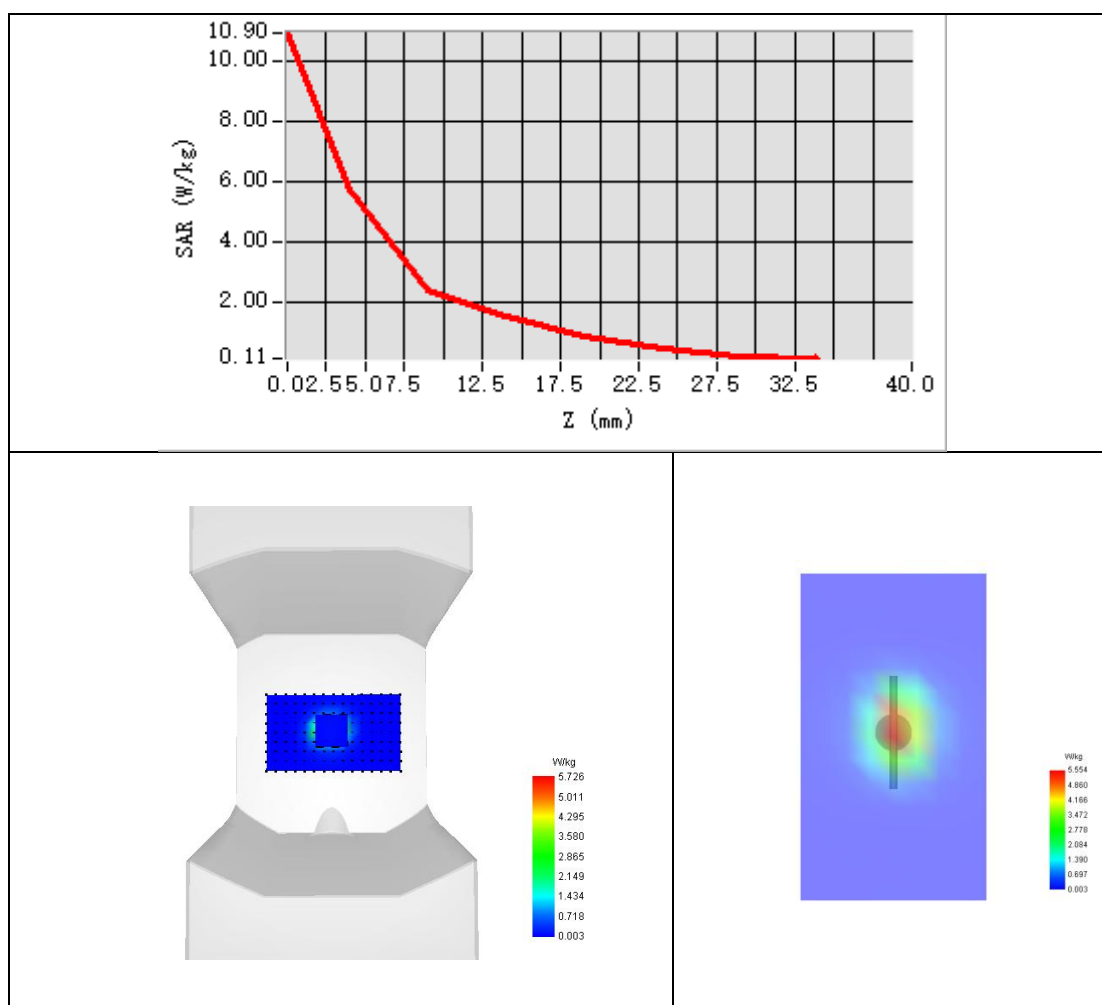


Maximum location: X=3.00, Y=3.00 ; SAR Peak: 9.58 W/kg

SAR 10g (W/Kg)	2.512
SAR 1g (W/Kg)	5.636



Z Axis Scan





System Performance Check Data (3500MHz)

Type: Phone measurement (Complete)

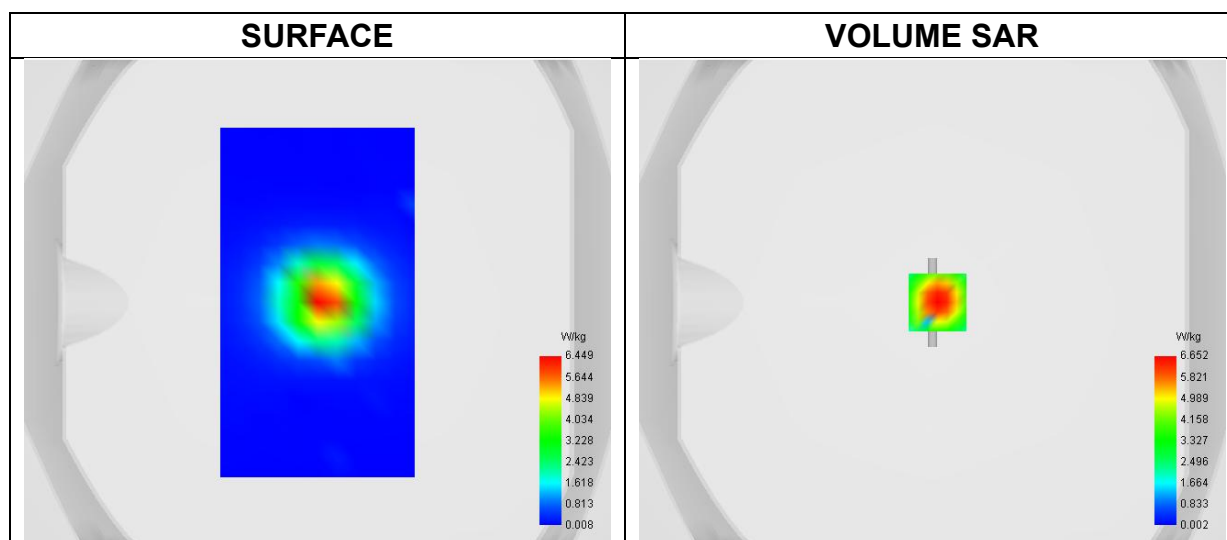
Area scan resolution: dx=8mm, dy=8mm

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

Date of measurement: 2026-06-29

Experimental conditions.

Phantom	Validation plane
Device Position	Dipole
Band	CW3500
Channels	Middle
Signal	CW
Frequency (MHz)	3500.000
Relative permittivity	38.71
Conductivity (S/m)	3.03
Probe	0326-EPGO-431
ConvF	0.92
Crest factor:	1:1

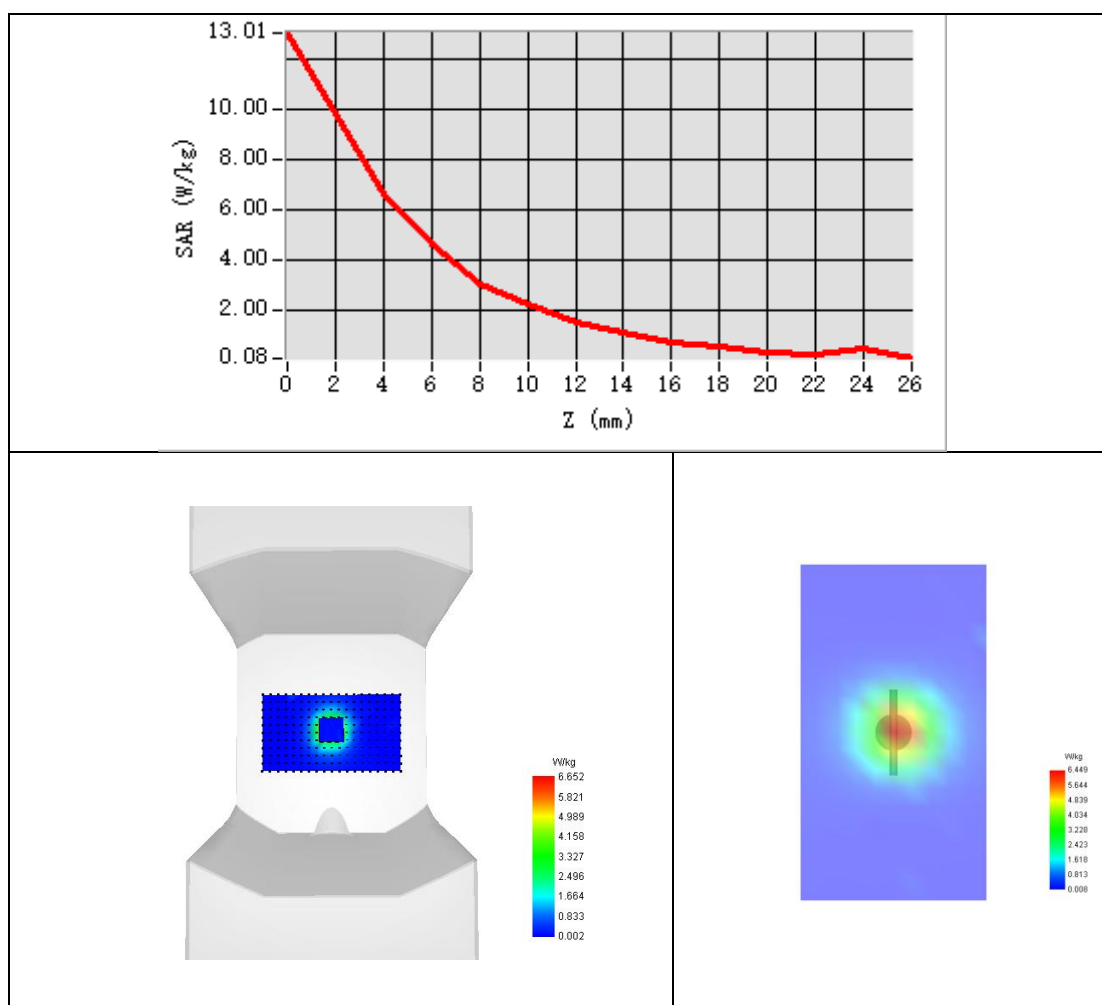


Maximum location: X=0.00, Y=0.00 ; SAR Peak: 13.46 W/kg

SAR 10g (W/Kg)	2.526
SAR 1g (W/Kg)	6.441



Z Axis Scan





System Performance Check Data (3700MHz)

Type: Phone measurement (Complete)

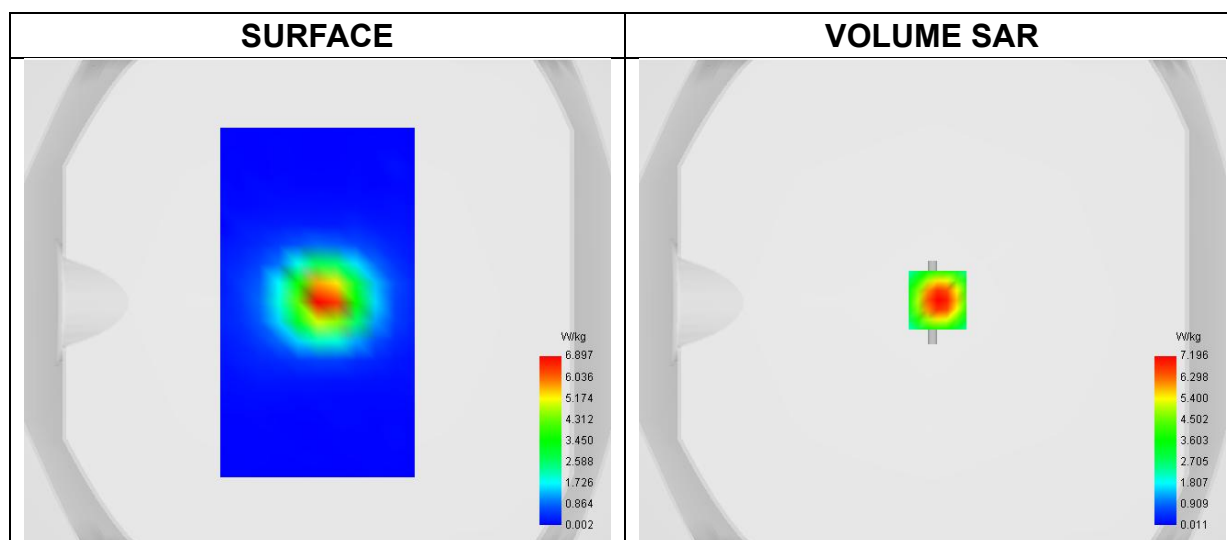
Area scan resolution: dx=8mm, dy=8mm

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

Date of measurement: 2026-06-29

Experimental conditions.

Phantom	Validation plane
Device Position	Dipole
Band	CW3700
Channels	Middle
Signal	CW
Frequency (MHz)	3700.000
Relative permittivity	38.02
Conductivity (S/m)	3.16
Probe	0326-EPGO-431
ConvF	0.91
Crest factor:	1:1

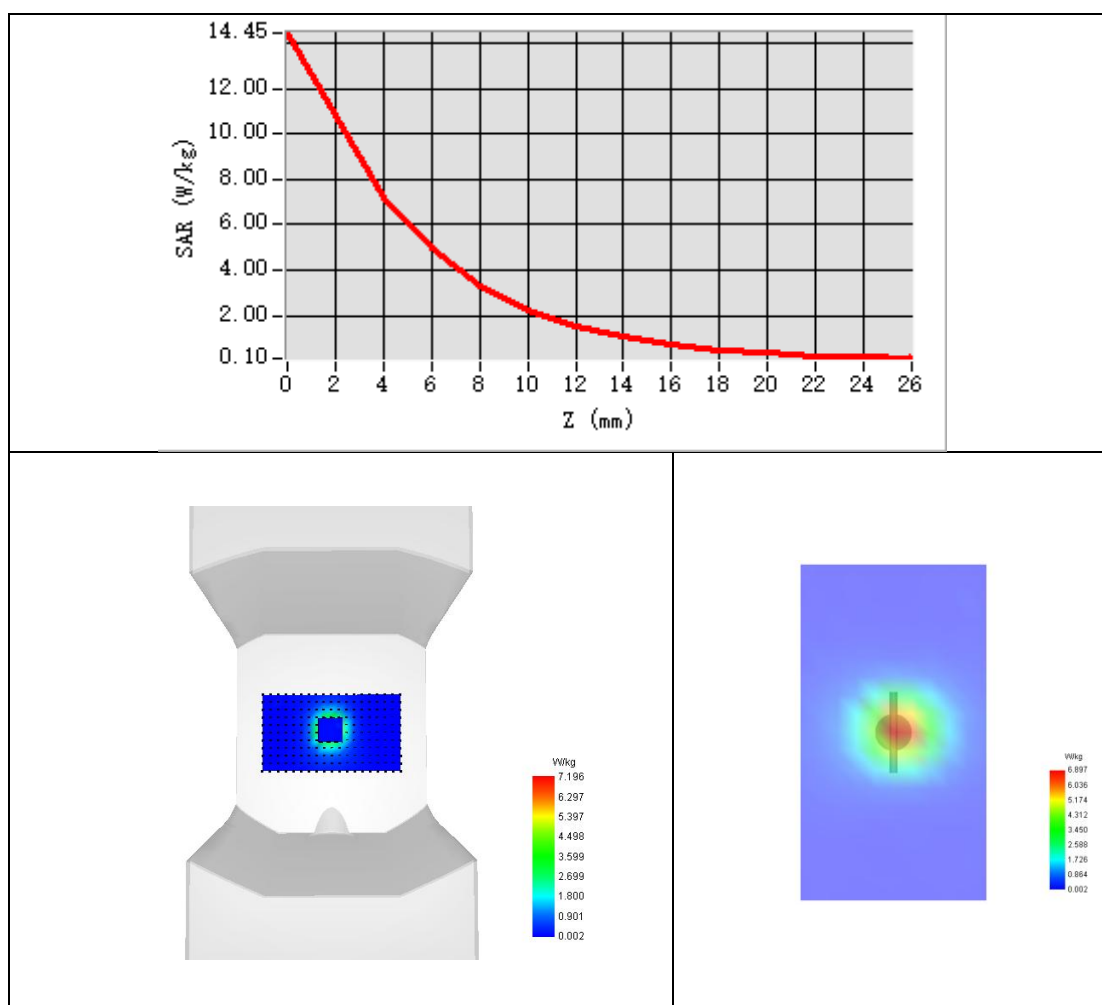


Maximum location: X=0.00, Y=0.00 ; SAR Peak: 13.46 W/kg

SAR 10g (W/Kg)	2.539
SAR 1g (W/Kg)	6.549



Z Axis Scan





System Performance Check Data (5200MHz)

Type: Phone measurement (Complete)

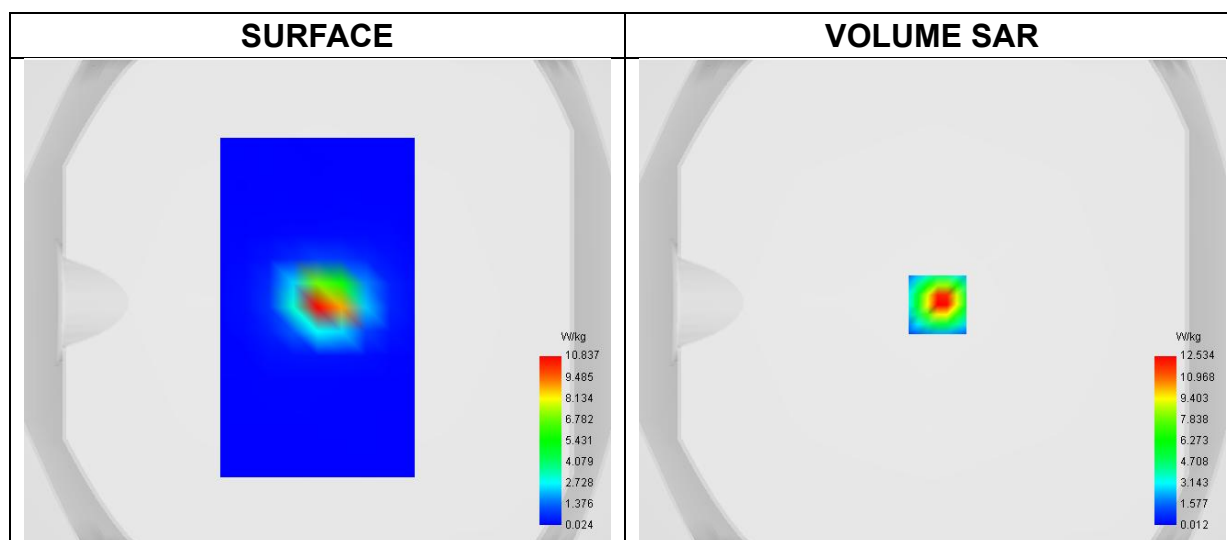
Area scan resolution: dx=8mm, dy=8mm

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

Date of measurement: 2026-07-01

Experimental conditions.

Phantom	Validation plane
Device Position	Dipole
Band	CW5200
Channels	Middle
Signal	CW
Frequency (MHz)	5200.000
Relative permittivity	36.79
Conductivity (S/m)	4.65
Probe	0326-EPGO-431
ConvF	1.08
Crest factor:	1:1

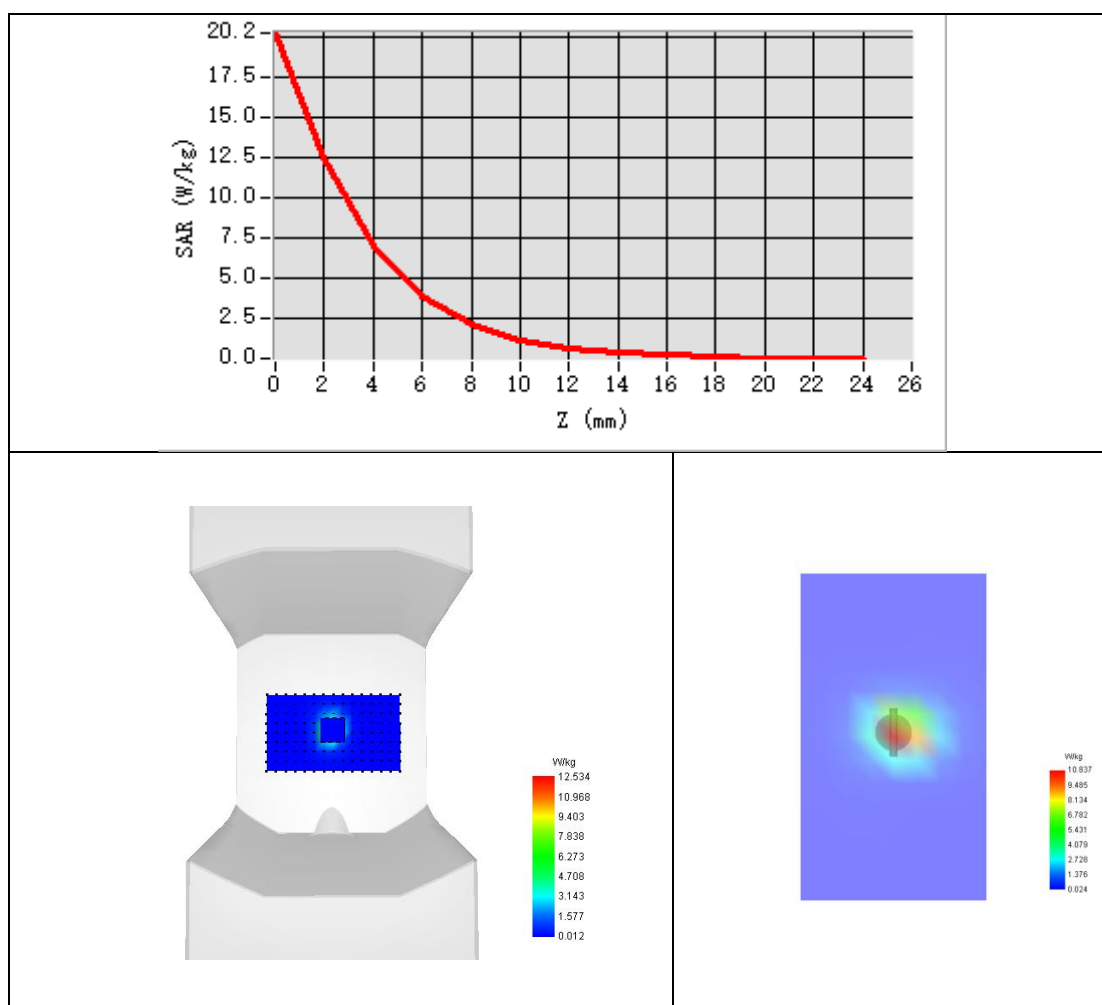


Maximum location: X=7.00, Y=6.00 ; SAR Peak: 21.79 W/kg

SAR 10g (W/Kg)	2.245
SAR 1g (W/Kg)	7.792



Z Axis Scan





System Performance Check Data (5400MHz)

Type: Phone measurement (Complete)

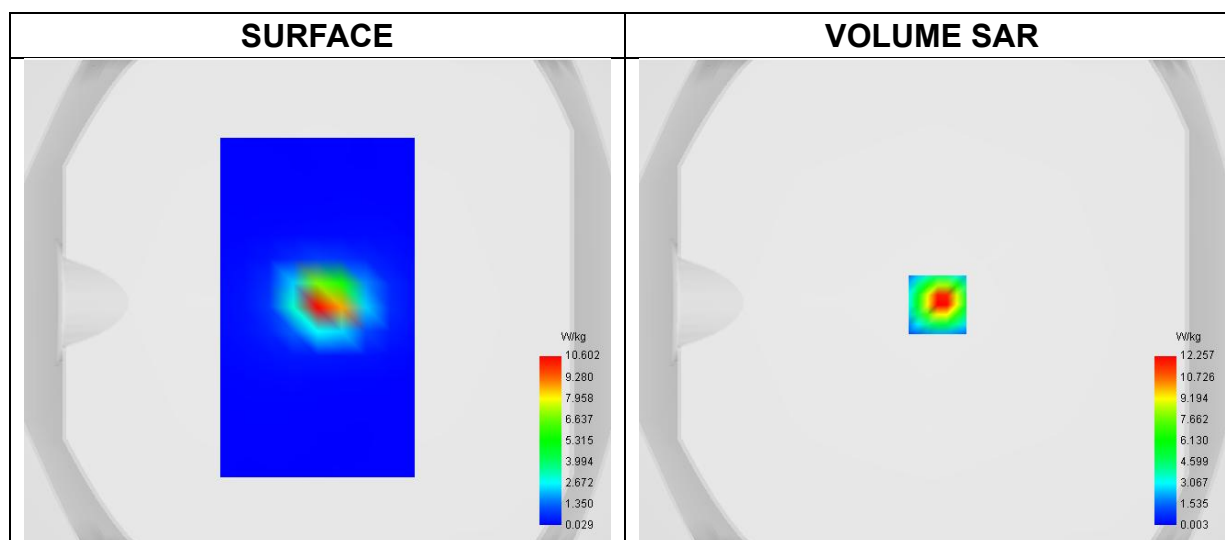
Area scan resolution: dx=8mm, dy=8mm

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

Date of measurement: 2026-07-02

Experimental conditions.

Phantom	Validation plane
Device Position	Dipole
Band	CW5400
Channels	Middle
Signal	CW
Frequency (MHz)	5400.000
Relative permittivity	36.83
Conductivity (S/m)	4.88
Probe	0326-EPGO-431
ConvF	1.16
Crest factor:	1:1

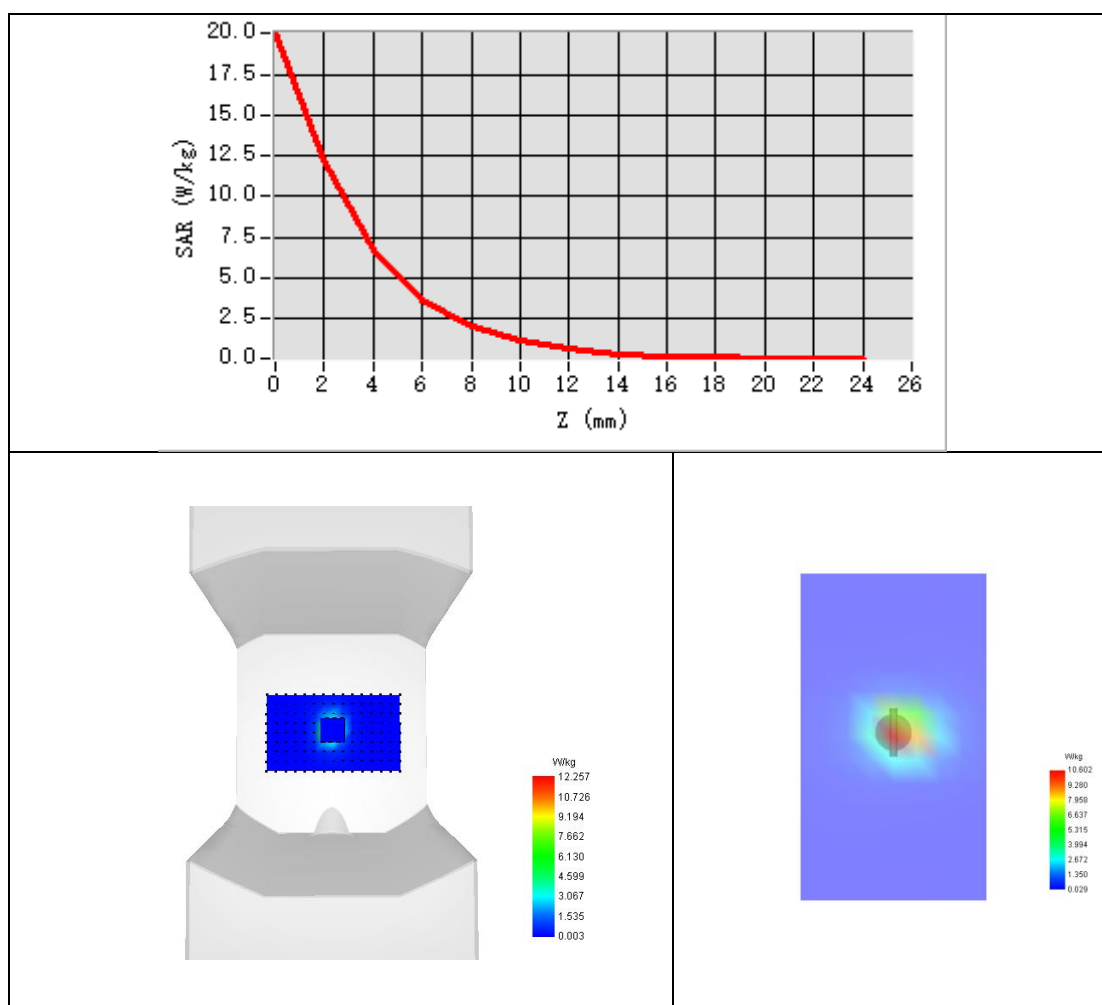


Maximum location: X=6.00, Y=5.00 ; SAR Peak: 25.72 W/kg

SAR 10g (W/Kg)	2.206
SAR 1g (W/Kg)	7.697



Z Axis Scan





System Performance Check Data (5600MHz)

Type: Phone measurement (Complete)

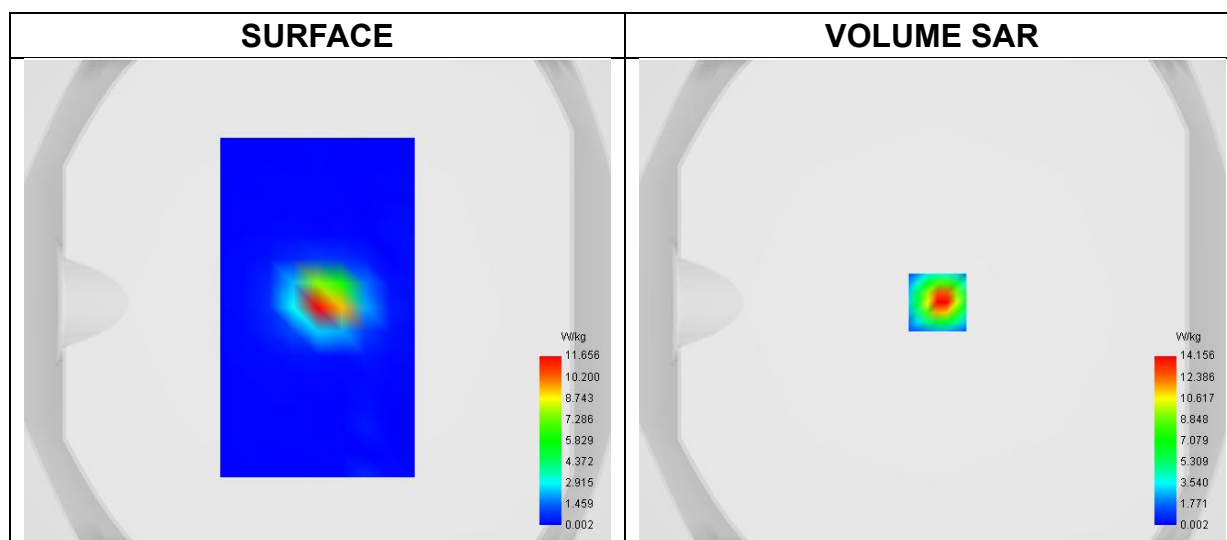
Area scan resolution: dx=8mm, dy=8mm

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

Date of measurement: 2026-07-05

Experimental conditions.

Phantom	Validation plane
Device Position	Dipole
Band	CW5600
Channels	Middle
Signal	CW
Frequency (MHz)	5600.000
Relative permittivity	36.34
Conductivity (S/m)	5.10
Probe	0326-EPGO-431
ConvF	1.07
Crest factor:	1:1

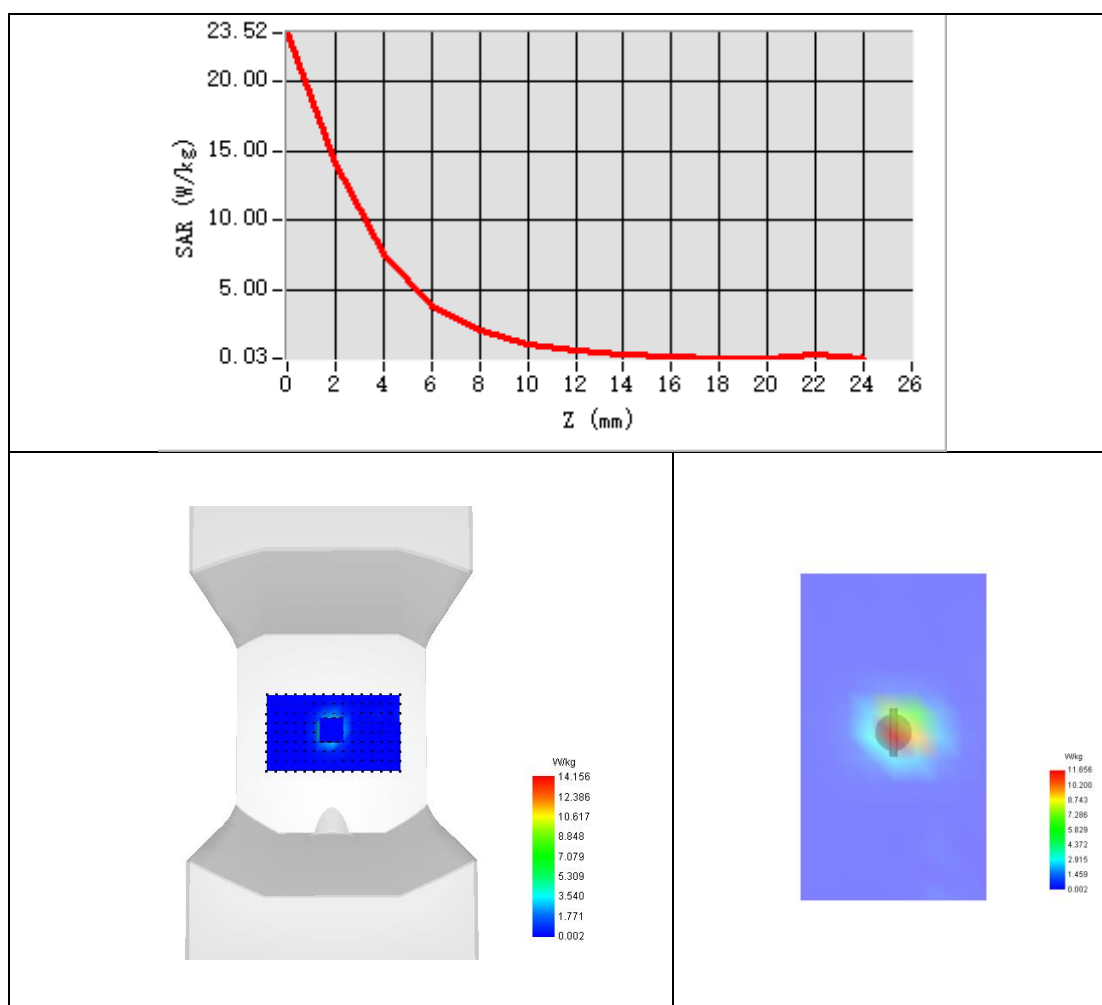


Maximum location: X=-5.00, Y=5.00 ; SAR Peak: 25.45 W/kg

SAR 10g (W/Kg)	2.403
SAR 1g (W/Kg)	8.208



Z Axis Scan





System Performance Check Data (5800MHz)

Type: Phone measurement (Complete)

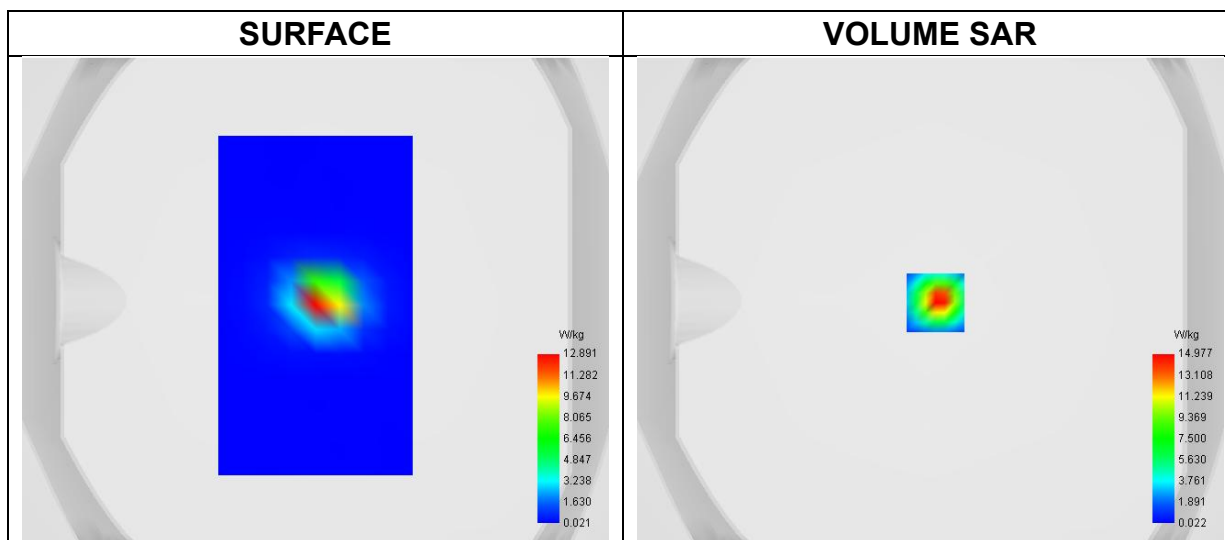
Area scan resolution: dx=8mm, dy=8mm

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

Date of measurement: 2026-07-06

Experimental conditions.

Phantom	Validation plane
Device Position	Dipole
Band	CW5800
Channels	Middle
Signal	CW
Frequency (MHz)	5800.000
Relative permittivity	35.43
Conductivity (S/m)	5.24
Probe	0326-EPGO-431
ConvF	1.19
Crest factor:	1:1

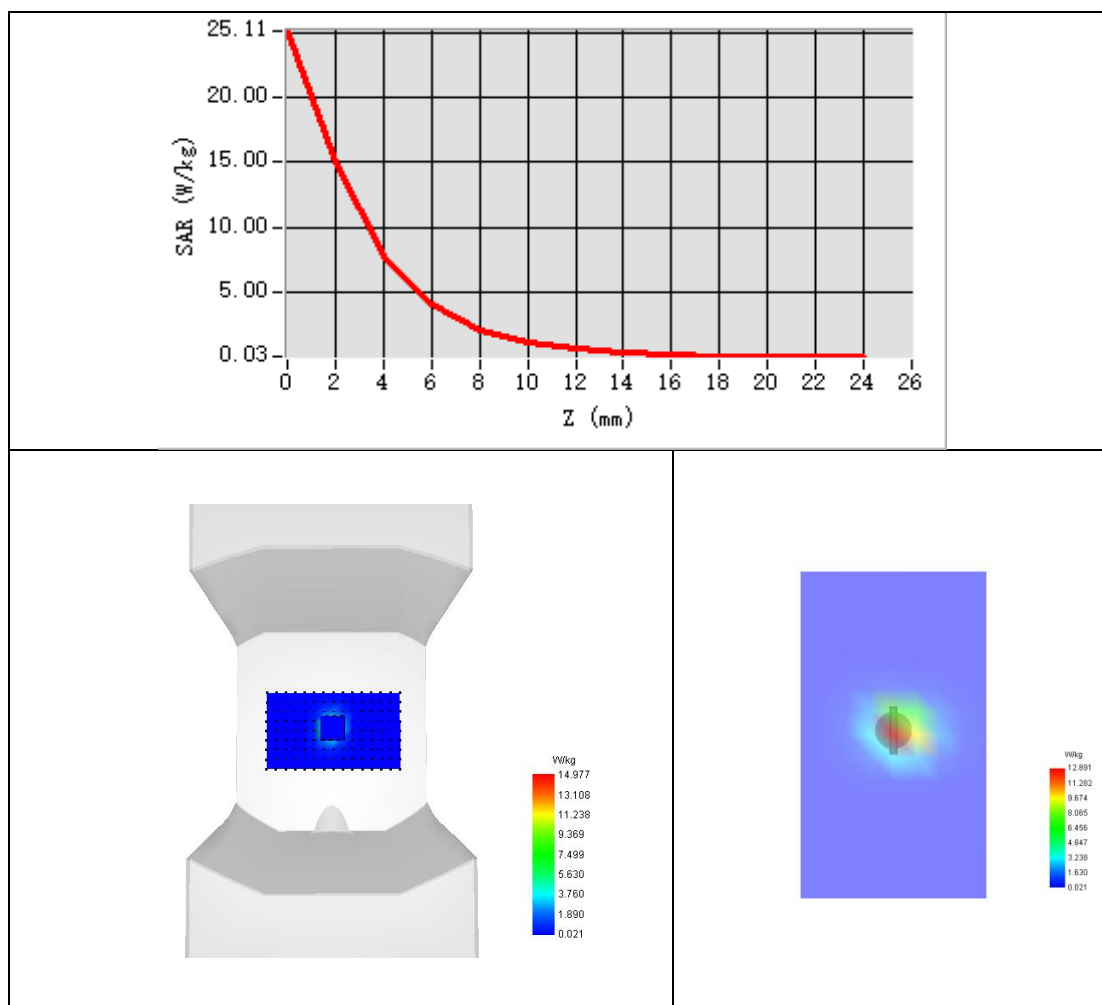


Maximum location: X=5.00, Y=6.00 ; SAR Peak: 25.18 W/kg

SAR 10g (W/Kg)	2.331
SAR 1g (W/Kg)	8.052



Z Axis Scan



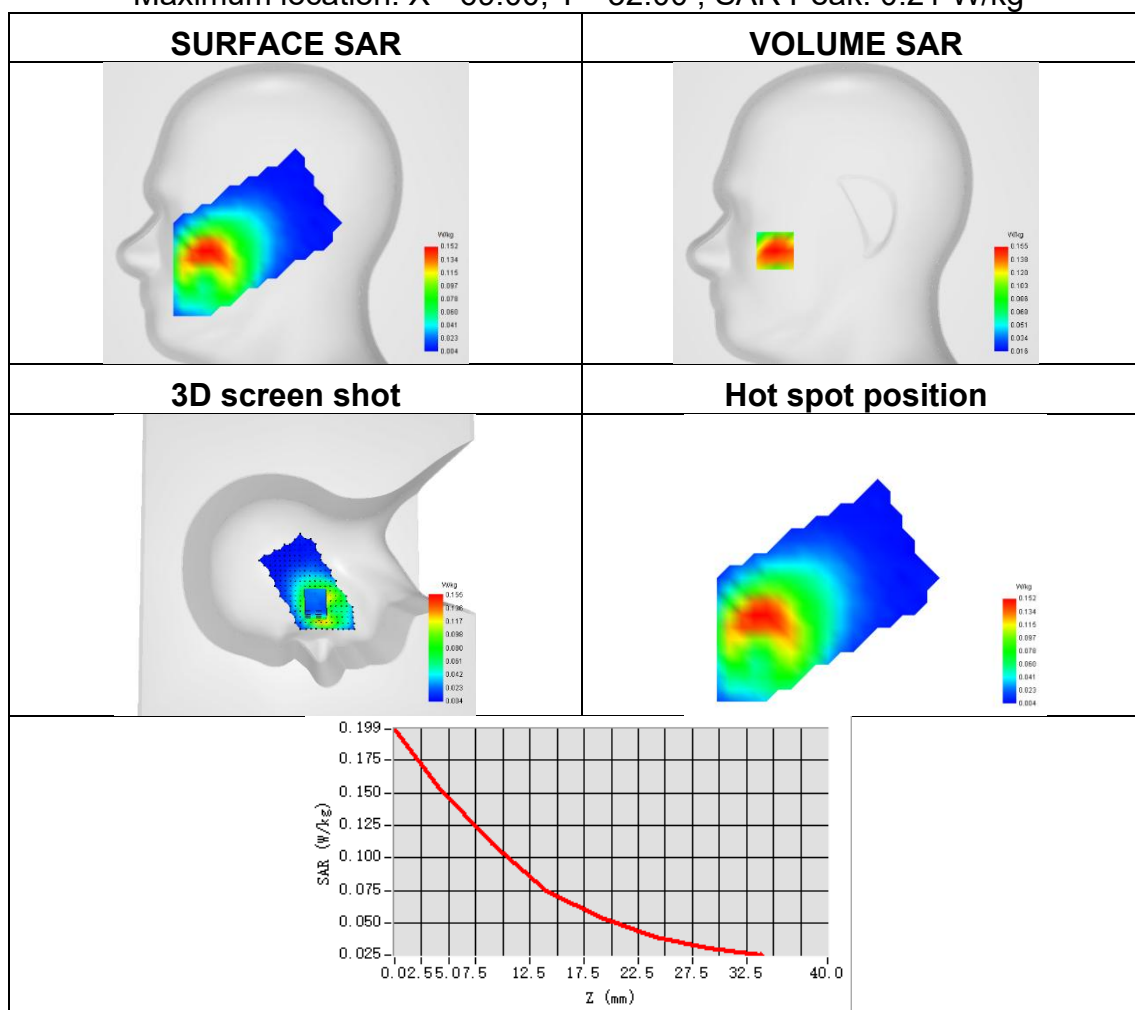


Appendix B. SAR Test Plots

Plot 1:

Test Date	2026-06-18
Area Scan	dx=8mm dy=8mm
Zoom Scan	5x5x7,dx=8mm dy=8mm dz=5mm
Phantom	Right head
Device Position	Cheek
Band	GPRS850
Signal	TDMA (GPRS)
Frequency	824.2
SAR 10g (W/Kg)	0.090
SAR 1g (W/Kg)	0.150
ConvF	0.69
Relative permittivity	41.52
Conductivity (S/m)	0.93

Maximum location: X=-69.00, Y=-32.00 ; SAR Peak: 0.21 W/kg

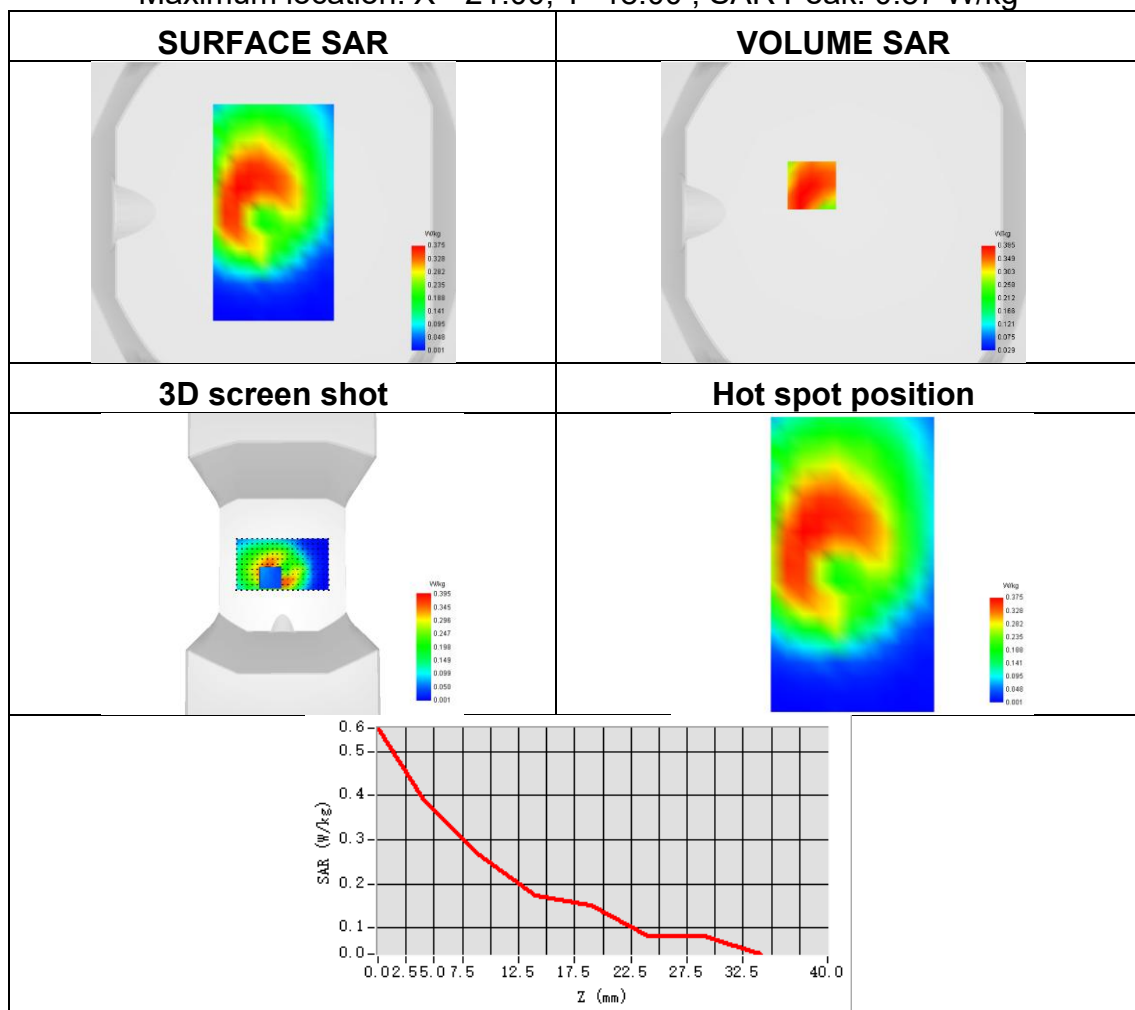




Plot 2:

Test Date	2026-06-18
Area Scan	dx=8mm dy=8mm
Zoom Scan	5x5x7, dx=8mm dy=8mm dz=5mm
Phantom	Validation plane
Device Position	Front Side
Band	GPRS850
Signal	TDMA (GPRS)
Frequency	824.2
SAR 10g (W/Kg)	0.200
SAR 1g (W/Kg)	0.379
ConvF	0.69
Relative permittivity	41.52
Conductivity (S/m)	0.93

Maximum location: X=-21.00, Y=18.00 ; SAR Peak: 0.57 W/kg

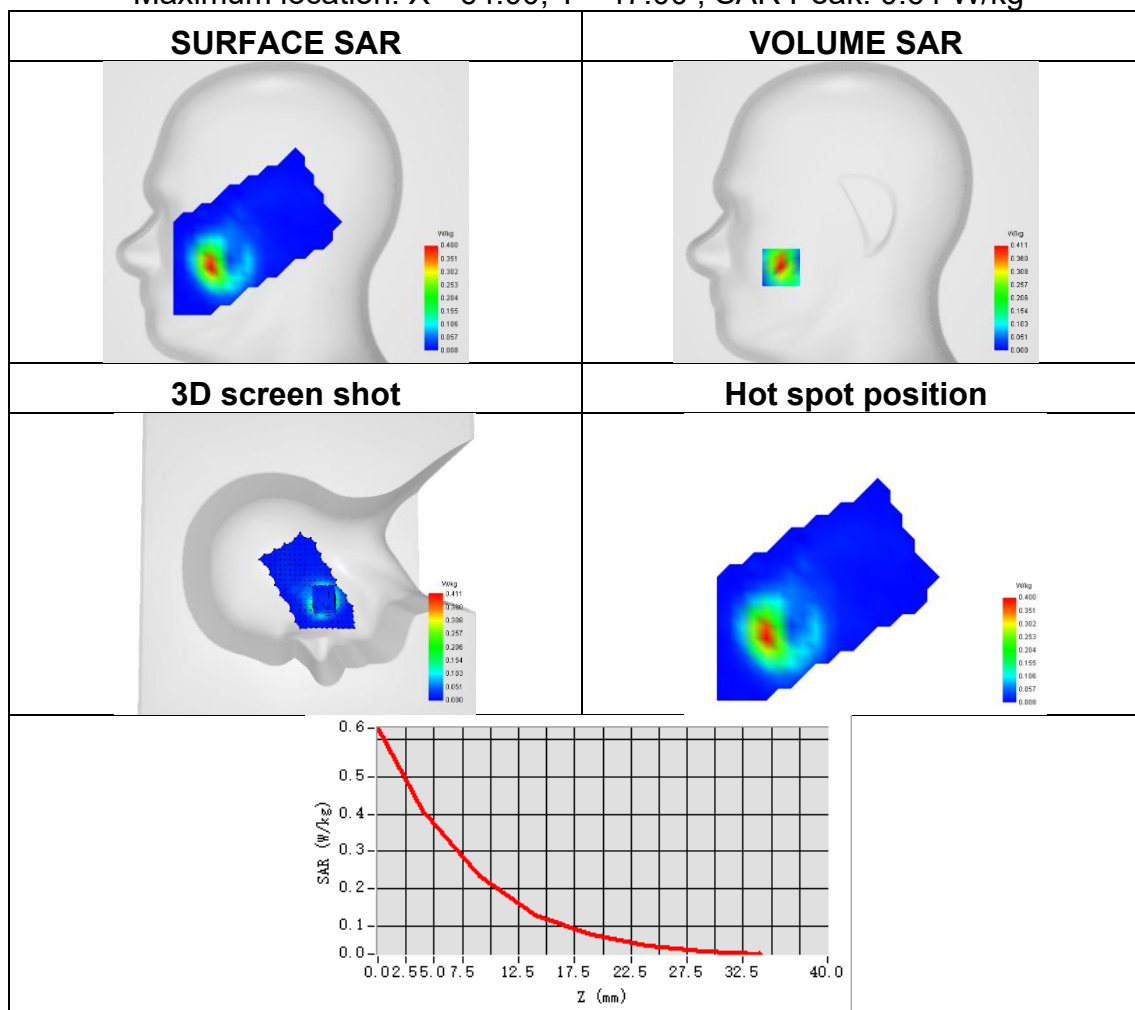




Plot 3:

Test Date	2026-06-25
Area Scan	dx=8mm dy=8mm
Zoom Scan	5x5x7,dx=8mm dy=8mm dz=5mm
Phantom	Right head
Device Position	Cheek
Band	GPRS1900
Signal	TDMA (GPRS)
Frequency	1850.2
SAR 10g (W/Kg)	0.182
SAR 1g (W/Kg)	0.372
ConvF	0.90
Relative permittivity	40.82
Conductivity (S/m)	1.45

Maximum location: X=-64.00, Y=-47.00 ; SAR Peak: 0.64 W/kg

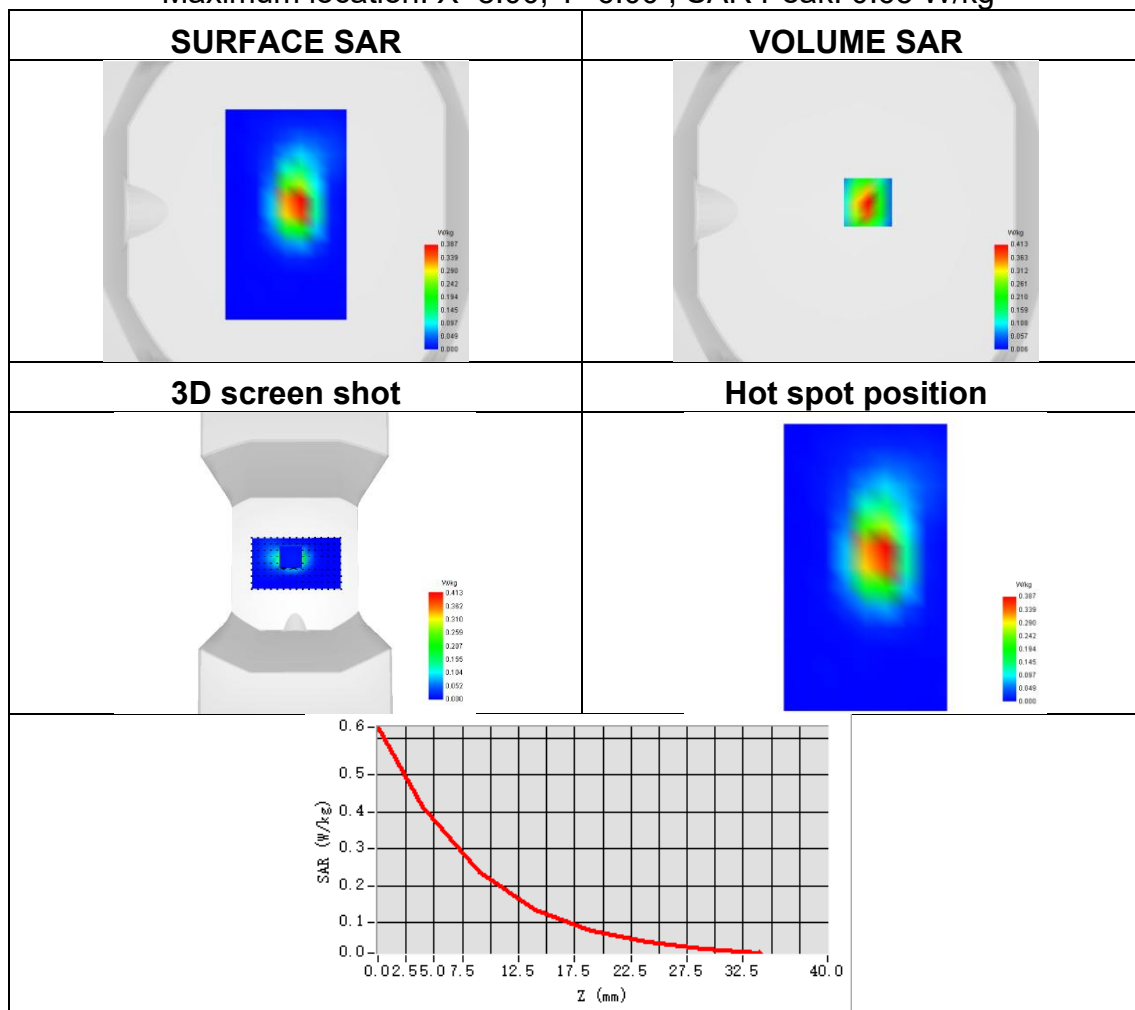




Plot 4:

Test Date	2026-06-25
Area Scan	dx=8mm dy=8mm
Zoom Scan	5x5x7, dx=8mm dy=8mm dz=5mm
Phantom	Validation plane
Device Position	Bottom Side
Band	GPRS1900
Signal	TDMA (GPRS)
Frequency	1880
SAR 10g (W/Kg)	0.188
SAR 1g (W/Kg)	0.384
ConvF	0.90
Relative permittivity	40.82
Conductivity (S/m)	1.45

Maximum location: X=8.00, Y=6.00 ; SAR Peak: 0.65 W/kg

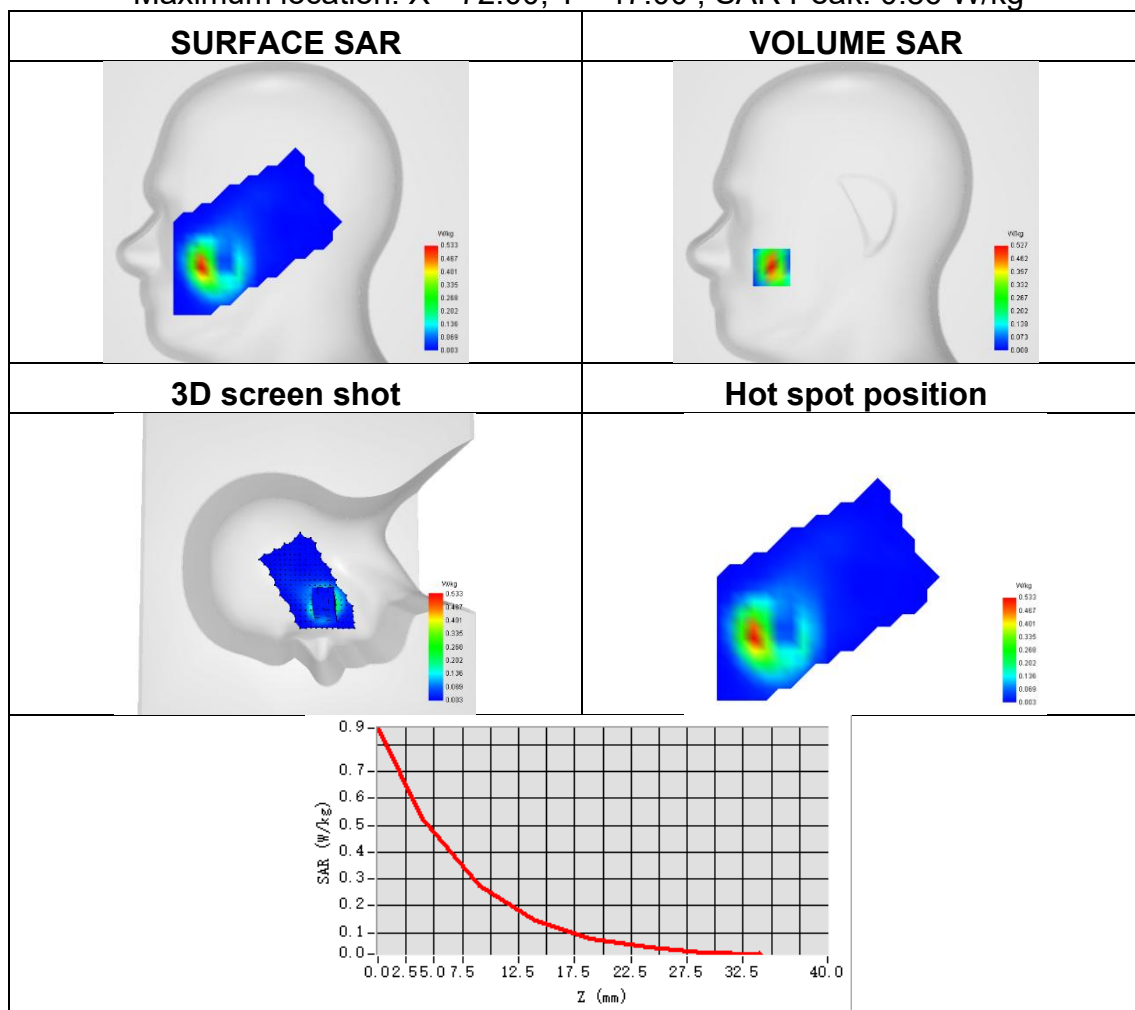




Plot 5:

Test Date	2026-06-25
Area Scan	dx=8mm dy=8mm
Zoom Scan	5x5x7, dx=8mm dy=8mm dz=5mm
Phantom	Right head
Device Position	Cheek
Band	Band 2 (1900)
Signal	WCDMA
Frequency	1852.4
SAR 10g (W/Kg)	0.230
SAR 1g (W/Kg)	0.480
ConvF	0.90
Relative permittivity	40.82
Conductivity (S/m)	1.45

Maximum location: X=-72.00, Y=-47.00 ; SAR Peak: 0.86 W/kg

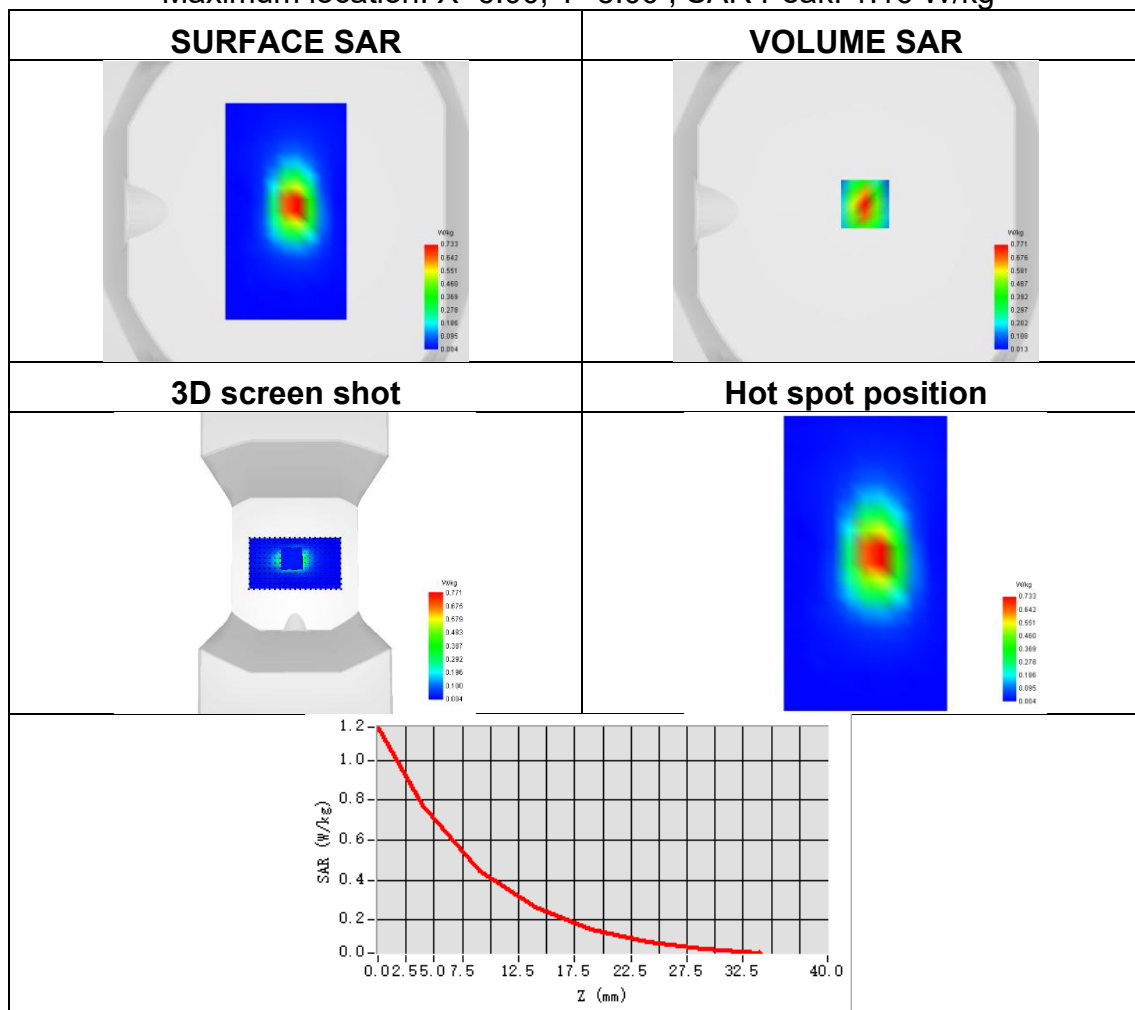




Plot 6:

Test Date	2026-06-25
Area Scan	dx=8mm dy=8mm
Zoom Scan	5x5x7, dx=8mm dy=8mm dz=5mm
Phantom	Validation plane
Device Position	Bottom Side
Band	Band 2 (1900)
Signal	WCDMA
Frequency	1852.4
SAR 10g (W/Kg)	0.355
SAR 1g (W/Kg)	0.706
ConvF	0.90
Relative permittivity	40.82
Conductivity (S/m)	1.45

Maximum location: X=6.00, Y=5.00 ; SAR Peak: 1.16 W/kg

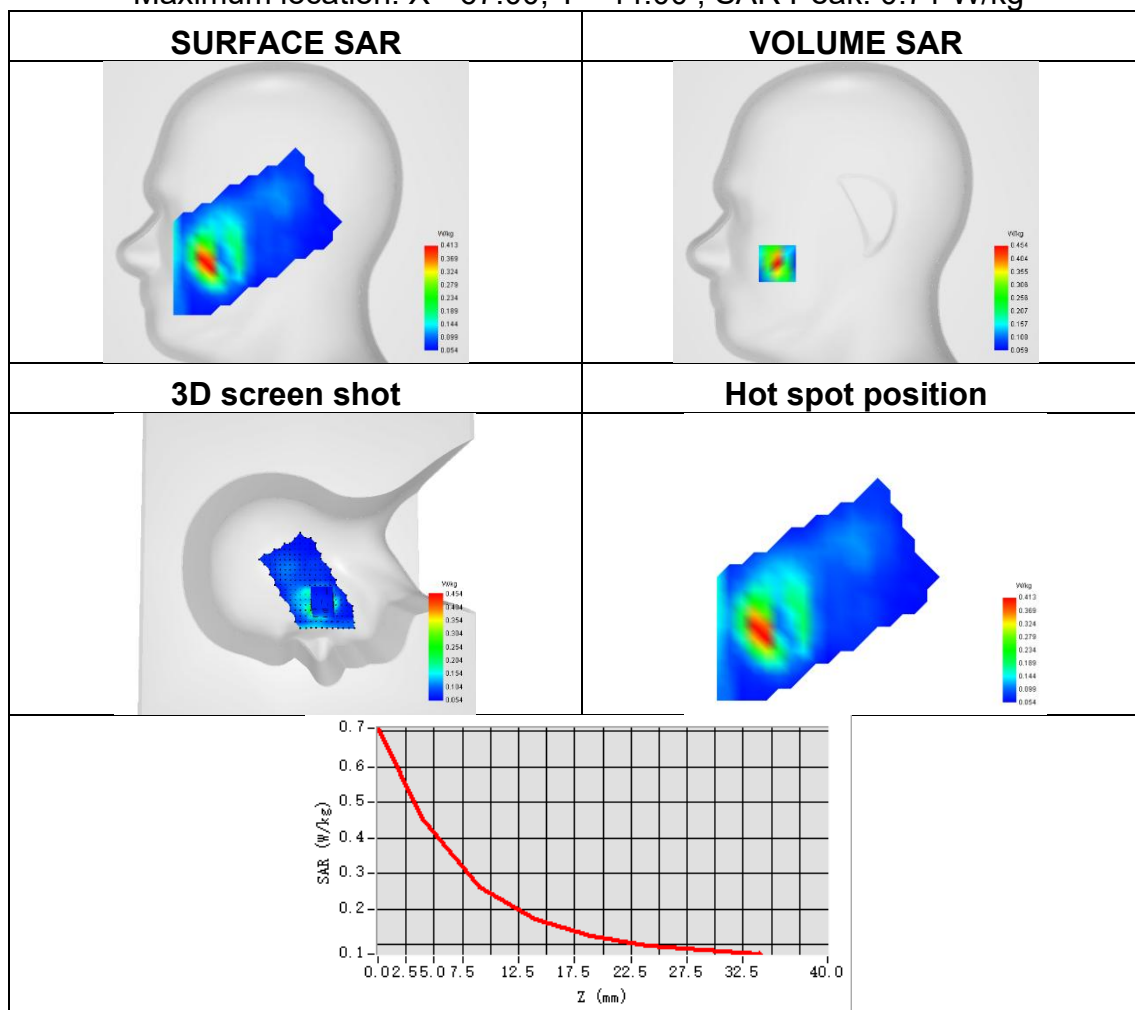




Plot 7:

Test Date	2026-06-20
Area Scan	dx=8mm dy=8mm
Zoom Scan	5x5x7, dx=8mm dy=8mm dz=5mm
Phantom	Right head
Device Position	Cheek
Band	Band 4 (1700)
Signal	WCDMA
Frequency	1740
SAR 10g (W/Kg)	0.217
SAR 1g (W/Kg)	0.409
ConvF	0.69
Relative permittivity	40.88
Conductivity (S/m)	1.39

Maximum location: X=-67.00, Y=-44.00 ; SAR Peak: 0.71 W/kg

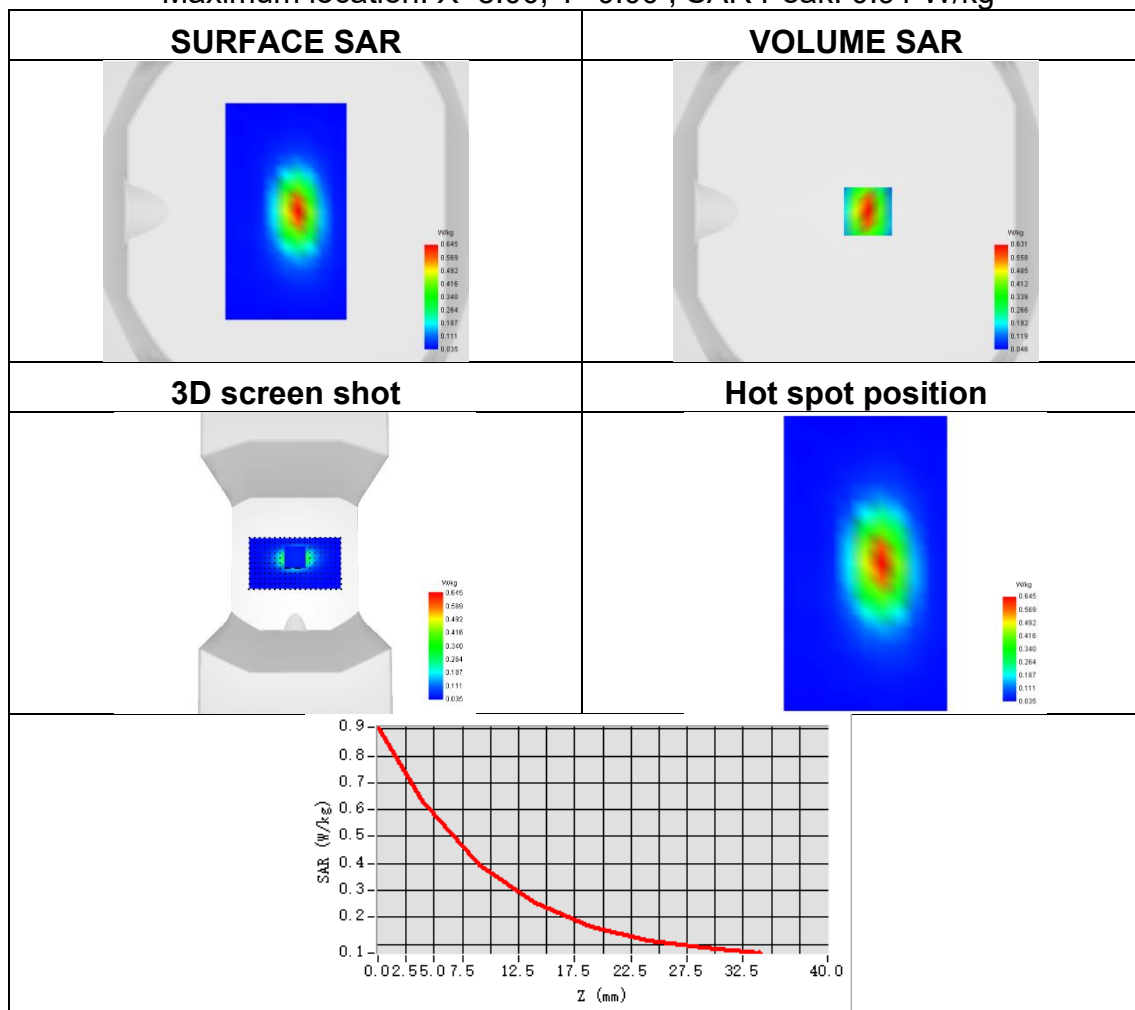




Plot 8:

Test Date	2026-06-20
Area Scan	dx=8mm dy=8mm
Zoom Scan	5x5x7, dx=8mm dy=8mm dz=5mm
Phantom	Validation plane
Device Position	Bottom Side
Band	Band 4 (1700)
Signal	WCDMA
Frequency	1740
SAR 10g (W/Kg)	0.322
SAR 1g (W/Kg)	0.582
ConvF	0.69
Relative permittivity	40.88
Conductivity (S/m)	1.39

Maximum location: X=8.00, Y=0.00 ; SAR Peak: 0.91 W/kg

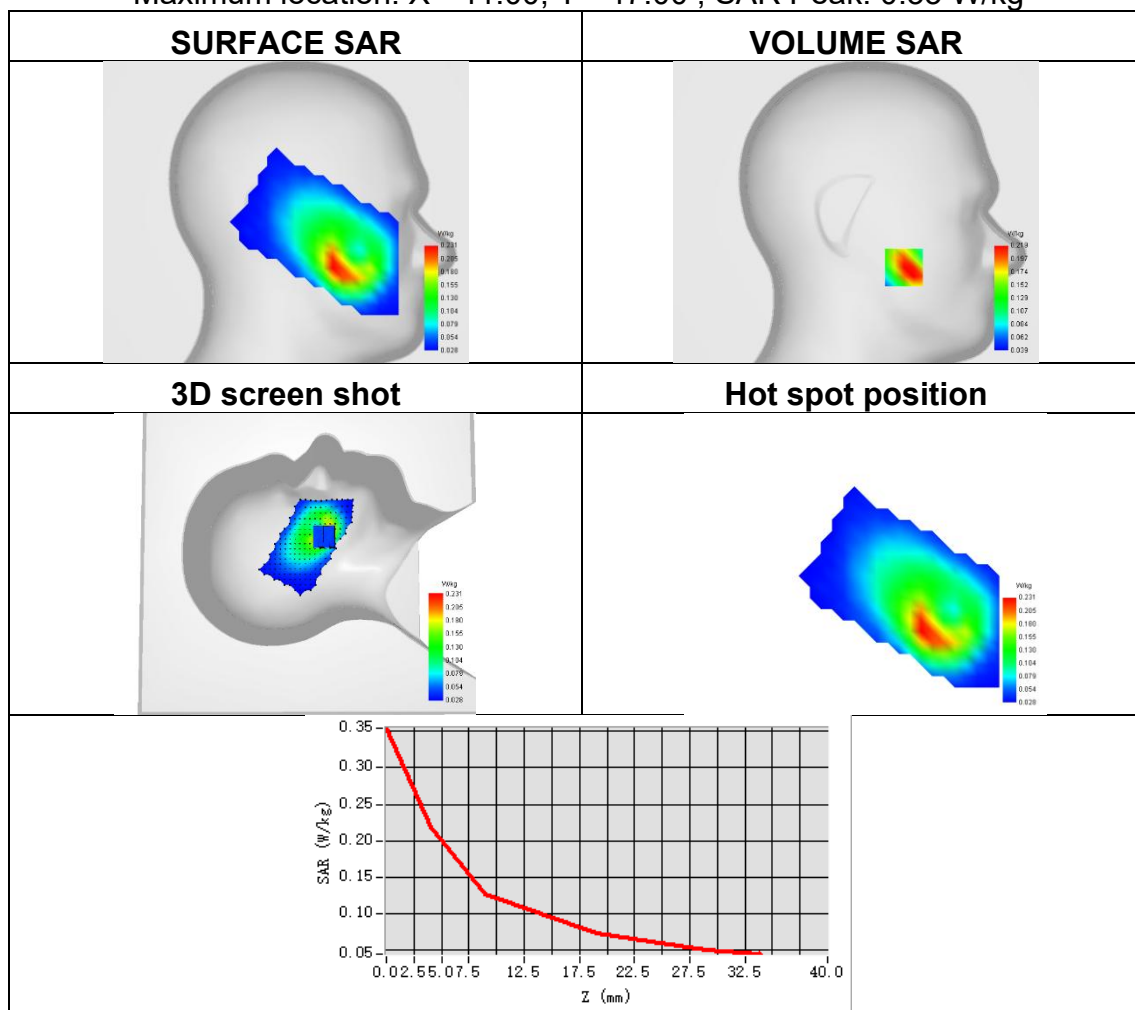




Plot 9:

Test Date	2026-06-23
Area Scan	dx=8mm dy=8mm
Zoom Scan	5x5x7, dx=8mm dy=8mm dz=5mm
Phantom	Left head
Device Position	Cheek
Band	Band 5 (850)
Signal	WCDMA
Frequency	846.6
SAR 10g (W/Kg)	0.133
SAR 1g (W/Kg)	0.216
ConvF	0.69
Relative permittivity	42.15
Conductivity (S/m)	0.92

Maximum location: X=-41.00, Y=-47.00 ; SAR Peak: 0.33 W/kg

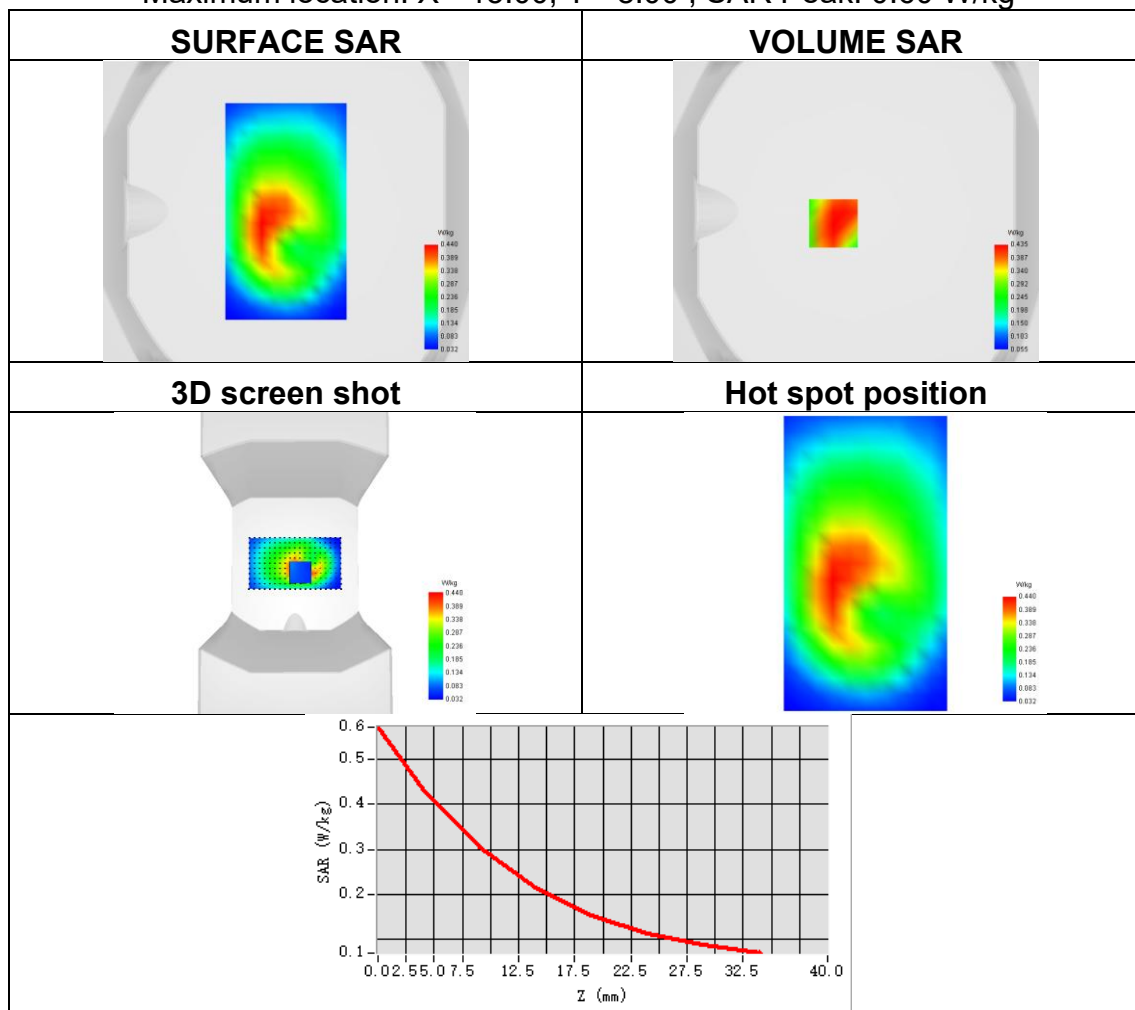




Plot 10:

Test Date	2026-06-23
Area Scan	dx=8mm dy=8mm
Zoom Scan	5x5x7, dx=8mm dy=8mm dz=5mm
Phantom	Validation plane
Device Position	Front Side
Band	Band 5 (850)
Signal	WCDMA
Frequency	846.6
SAR 10g (W/Kg)	0.251
SAR 1g (W/Kg)	0.421
ConvF	0.69
Relative permittivity	42.15
Conductivity (S/m)	0.92

Maximum location: X=-15.00, Y=-8.00 ; SAR Peak: 0.60 W/kg

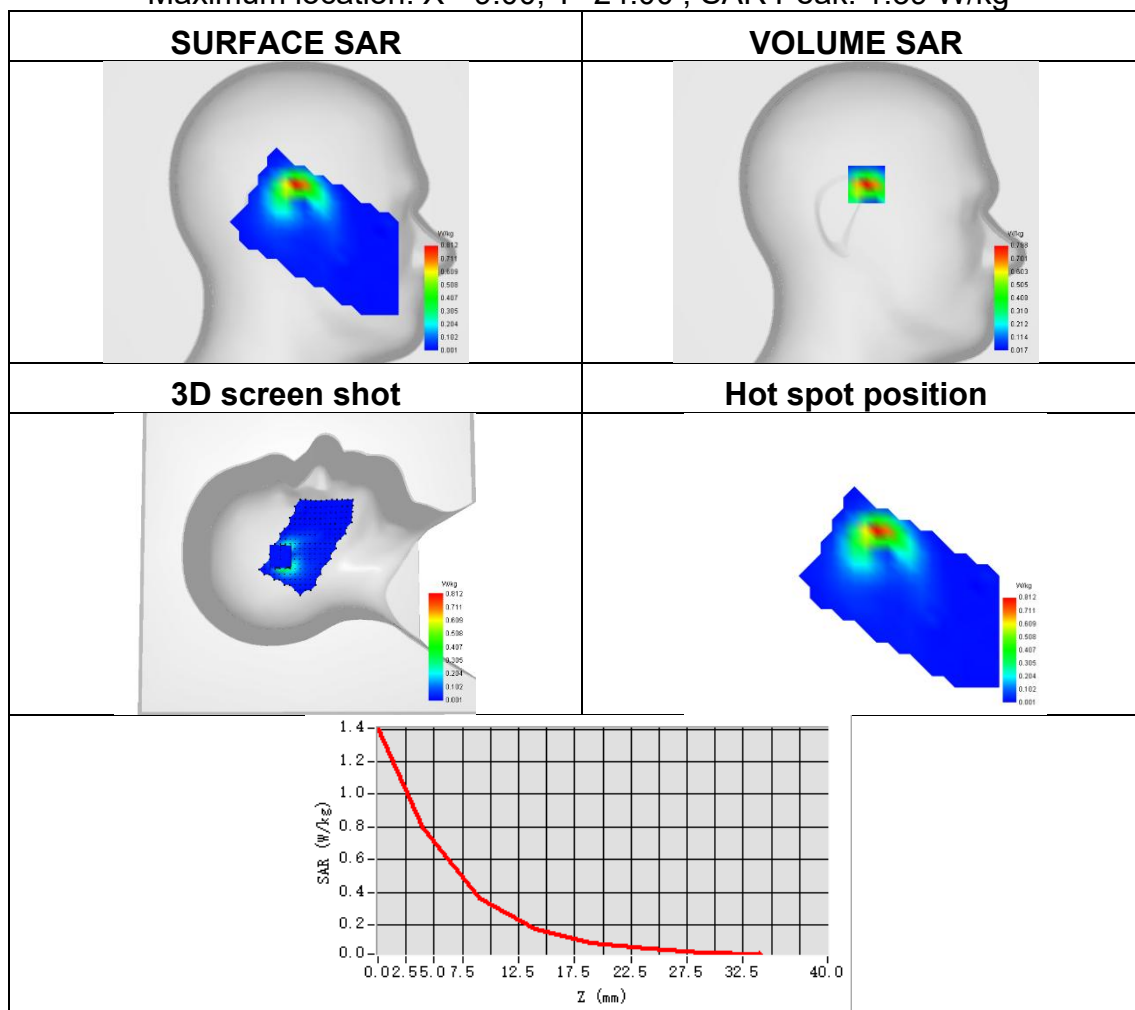




Plot 11:

Test Date	2026-06-27
Area Scan	dx=8mm dy=8mm
Zoom Scan	5x5x7, dx=8mm dy=8mm dz=5mm
Phantom	Left head
Device Position	Cheek
Band	ISM
Signal	IEEE 802.11b
Frequency	2437
SAR 10g (W/Kg)	0.302
SAR 1g (W/Kg)	0.609
ConvF	1.03
Relative permittivity	39.71
Conductivity (S/m)	1.78

Maximum location: X=-9.00, Y=24.00 ; SAR Peak: 1.39 W/kg

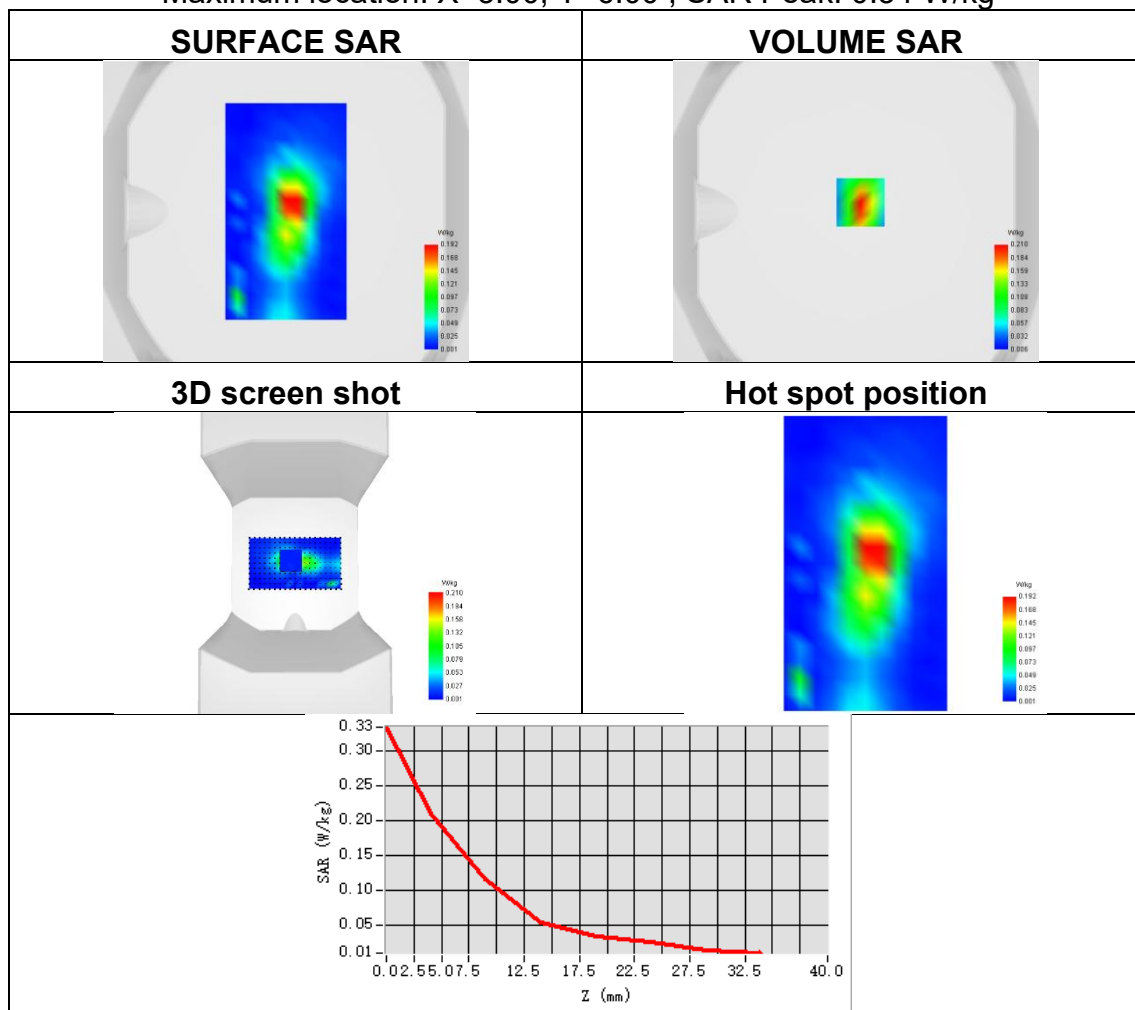




Plot 12:

Test Date	2026-06-27
Area Scan	dx=8mm dy=8mm
Zoom Scan	5x5x7, dx=8mm dy=8mm dz=5mm
Phantom	Validation plane
Device Position	Right Side
Band	ISM
Signal	IEEE 802.11b
Frequency	2437
SAR 10g (W/Kg)	0.093
SAR 1g (W/Kg)	0.192
ConvF	1.03
Relative permittivity	39.71
Conductivity (S/m)	1.78

Maximum location: X=3.00, Y=6.00 ; SAR Peak: 0.34 W/kg





Plot 13:

Test Date	2026-06-27
Area Scan	dx=8mm dy=8mm
Zoom Scan	5x5x7, dx=8mm dy=8mm dz=5mm
Phantom	Right head
Device Position	Cheek
Band	ISM
Signal	IEEE 802.11b
Frequency	2462
SAR 10g (W/Kg)	0.081
SAR 1g (W/Kg)	0.172
ConvF	1.03
Relative permittivity	39.71
Conductivity (S/m)	1.78

Maximum location: X=16.00, Y=16.00 ; SAR Peak: 0.51 W/kg

