



12. SAR Result Summary

12.1 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	Back Side	824.2	0.406	3.51	33.00	32.94	1.014	0.412	1
		Left Side	824.2	0.089	-2.14	33.00	32.94	1.014	0.090	/
		Right Side	824.2	0.258	-3.82	33.00	32.94	1.014	0.262	/
		Top Side	824.2	0.07	-3.43	33.00	32.94	1.014	0.071	/
		Bottom Side	824.2	0.126	-1.86	33.00	32.94	1.014	0.128	/
PCS 1900	GPRS Data-4 Slot	Back Side	1909.8	0.396	-0.67	29.00	28.94	1.014	0.402	2
		Right Side	1909.8	0.249	2.18	29.00	28.94	1.014	0.252	/
		Top Side	1909.8	0.068	-0.17	29.00	28.94	1.014	0.069	/
		Bottom Side	1909.8	0.126	-2.37	29.00	28.94	1.014	0.128	/
WCDMA Band II	RMC	Back Side	1852.4	0.852	-3.21	23.00	22.77	1.054	0.898	/
		Back Side	1880	0.881	0.97	23.00	22.89	1.026	0.904	/
		Back Side	1907.6	0.904	1.48	23.10	23.06	1.009	0.912	3
		Right Side	1907.6	0.57	1.38	23.10	23.06	1.009	0.575	/
		Bottom Side	1907.6	0.283	-3.41	23.10	23.06	1.009	0.286	/
WCDMA Band IV	RMC	Back Side	1712.6	0.421	-1.24	23.00	22.99	1.002	0.422	4
		Right Side	1712.6	0.27	2.44	23.00	22.99	1.002	0.271	/
		Bottom Side	1712.6	0.133	-3.85	23.00	22.99	1.002	0.133	/
WCDMA Band V	RMC	Back Side	826.4	0.560	-1.52	23.50	23.33	1.040	0.582	5
		Right Side	826.4	0.354	2.55	23.50	23.33	1.040	0.368	/
		Bottom Side	826.4	0.174	-2.23	23.50	23.33	1.040	0.181	/
2.4GHz WLAN Ant1	802.11b	Back Side	2437	0.442	-1.99	18.50	18.40	1.023	0.452	6
		Right Side	2437	0.017	2.90	18.50	18.40	1.023	0.017	/
		Top Side	2437	0.136	-2.16	18.50	18.40	1.023	0.139	/
2.4GHz WLAN Ant2	802.11b	Back Side	2412	0.436	1.13	18.10	18.00	1.023	0.446	7
		Top Side	2412	0.239	3.61	18.10	18.00	1.023	0.245	/
2.4GHz WLAN MIMO1	802.11n-HT20	Back Side	2412	0.161	-2.23	14.00	13.63	1.089	0.175	8
		Right Side	2412	0.038	-3.29	14.00	13.63	1.089	0.041	/
		Top Side	2412	0.092	2.03	14.00	13.63	1.089	0.100	/
2.4GHz WLAN MIMO2	802.11n-HT20	Back Side	2412	0.161	0.10	14.00	13.63	1.089	0.175	9
		Right Side	2412	0.036	0.24	14.00	13.63	1.089	0.039	/
		Top Side	2412	0.092	-1.13	14.00	13.63	1.089	0.100	/
5.2GHz WLAN Ant1	802.11a	Back Side	5200	0.416	0.16	15.00	14.69	1.074	0.447	10
		Right Side	5200	0.078	-0.95	15.00	14.69	1.074	0.084	/
		Top Side	5200	0.241	2.43	15.00	14.69	1.074	0.259	/
5.2GHz WLAN Ant2	802.11a	Back Side	5180	0.351	-2.26	15.00	14.57	1.104	0.388	11
		Top Side	5180	0.205	3.55	15.00	14.57	1.104	0.226	/
5.2GHz WLAN MIMO1	802.11n-HT40	Back Side	5230	0.190	-3.33	14.00	13.95	1.012	0.192	12
		Right Side	5230	0.043	-1.56	14.00	13.95	1.012	0.043	/
		Top Side	5230	0.109	3.84	14.00	13.95	1.012	0.110	/
5.2GHz WLAN MIMO2	802.11n-HT40	Back Side	5230	0.191	2.28	14.00	13.95	1.012	0.193	13
		Right Side	5230	0.043	-3.16	14.00	13.95	1.012	0.043	/
		Top Side	5230	0.109	3.87	14.00	13.95	1.012	0.110	/
5.3GHz WLAN Ant1	802.11a	Back Side	5260	0.398	-0.38	14.50	14.21	1.069	0.425	14
		Right Side	5260	0.086	2.25	14.50	14.21	1.069	0.092	/
		Top Side	5260	0.229	3.48	14.50	14.21	1.069	0.245	/
5.3GHz WLAN Ant2	802.11a	Back Side	5260	0.402	2.85	14.60	14.51	1.021	0.410	15
		Top Side	5260	0.229	1.56	14.60	14.51	1.021	0.234	/
	802.11n-HT40	Back Side	5270	0.134	2.32	13.50	13.42	1.019	0.136	16
		Right Side	5270	0.028	2.88	13.50	13.42	1.019	0.029	/



5.3GHz WLAN MIMO1		Top Side	5270	0.077	1.97	13.50	13.42	1.019	0.078	/
5.3GHz WLAN MIMO2	802.11n- HT40	Back Side	5270	0.142	-1.02	13.50	13.42	1.019	0.145	17
		Right Side	5270	0.032	1.77	13.50	13.42	1.019	0.033	/
		Top Side	5270	0.081	0.01	13.50	13.42	1.019	0.083	/
5.6GHz WLAN Ant1	802.11a	Back Side	5580	0.353	3.37	15.00	14.69	1.074	0.379	18
		Right Side	5580	0.056	0.20	15.00	14.69	1.074	0.060	/
		Top Side	5580	0.201	0.31	15.00	14.69	1.074	0.216	/
5.6GHz WLAN Ant2	802.11a	Back Side	5580	0.261	0.61	15.50	15.49	1.002	0.262	19
		Top Side	5580	0.153	-3.83	15.50	15.49	1.002	0.153	/
5.6GHz WLAN MIMO1	802.11n- HT40	Back Side	5670	0.120	3.06	14.00	13.88	1.028	0.123	20
		Right Side	5670	0.029	3.45	14.00	13.88	1.028	0.030	/
		Top Side	5670	0.072	2.03	14.00	13.88	1.028	0.074	/
5.6GHz WLAN MIMO2	802.11n- HT40	Back Side	5670	0.118	-1.92	14.00	13.88	1.028	0.121	21
		Right Side	5670	0.029	3.89	14.00	13.88	1.028	0.030	/
		Top Side	5670	0.069	-2.39	14.00	13.88	1.028	0.071	/
5.8GHz WLAN Ant1	802.11a	Back Side	5825	0.410	-3.93	14.00	13.90	1.023	0.420	22
		Right Side	5785	0.079	-3.82	14.00	13.90	1.023	0.081	/
		Top Side	5825	0.234	2.07	14.00	13.90	1.023	0.239	/
5.8GHz WLAN Ant2	802.11a	Back Side	5785	0.371	2.76	14.50	14.45	1.012	0.375	23
		Top Side	5785	0.212	2.01	14.50	14.45	1.012	0.214	/
5.8GHz WLAN MIMO1	802.11n- HT20	Back Side	5785	0.178	1.82	13.60	13.50	1.023	0.182	24
		Right Side	5785	0.04	-2.88	13.60	13.50	1.023	0.041	/
		Top Side	5785	0.103	2.90	13.60	13.50	1.023	0.105	/
5.8GHz WLAN MIMO2	802.11n- HT20	Back Side	5785	0.199	0.50	13.60	13.50	1.023	0.204	25
		Right Side	5785	0.043	1.05	13.60	13.50	1.023	0.044	/
		Top Side	5785	0.116	3.68	13.60	13.50	1.023	0.119	/
BT	GFSK	Back Side	2441	0.085	3.74	10.50	10.39	1.026	0.087	26
		Right Side	2441	0.028	-0.67	10.50	10.39	1.026	0.029	/
		Top Side	2441	0.054	1.84	10.50	10.39	1.026	0.055	/

Band	Mode	Max SAR	WIFI MIMO
		(W/Kg)	
2.4G WLAN	802.11n-HT20	0.175	0.350
	802.11n-HT20	0.175	
5.2G WLAN	802.11n-HT40	0.192	0.385
	802.11n-HT40	0.193	
5.3G WLAN	802.11n-HT40	0.136	0.281
	802.11n-HT40	0.145	
5.6G WLAN	802.11n-HT40	0.123	0.244
	802.11n-HT40	0.121	
5.8G WLAN	802.11n-HT20	0.182	0.386
	802.11n-HT20	0.204	



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	Back Side	1900	0.471	-1.12	24.50	24.28	1.052	0.495	27
			50	0	Back Side	1900	0.426	1.52	23.50	23.30	1.047	0.446	/
			1	0	Right Side	1900	0.251	1.03	24.50	24.28	1.052	0.264	/
			50	0	Right Side	1900	0.225	-1.60	23.50	23.30	1.047	0.236	/
			1	0	Bottom Side	1900	0.113	2.36	24.50	24.28	1.052	0.119	/
			50	0	Bottom Side	1900	0.099	-3.90	23.50	23.30	1.047	0.104	/
LTE Band 4	20M	QPSK	1	0	Back Side	1720	0.468	3.00	24.10	23.36	1.186	0.555	28
			50	0	Back Side	1745	0.422	-3.08	23.00	22.56	1.107	0.467	/
			1	0	Right Side	1720	0.245	-2.63	24.10	23.36	1.186	0.291	/
			50	0	Right Side	1745	0.214	-1.44	23.00	22.56	1.107	0.237	/
			1	0	Bottom Side	1720	0.103	-1.01	24.10	23.36	1.186	0.122	/
			50	0	Bottom Side	1745	0.093	2.83	23.00	22.56	1.107	0.103	/
LTE Band 5	10M	QPSK	1	0	Back Side	836.5	0.462	1.58	24.10	24.06	1.009	0.466	29
			25	0	Back Side	829	0.418	1.86	23.10	23.04	1.014	0.424	/
			1	0	Right Side	836.5	0.244	0.50	24.10	24.06	1.009	0.246	/
			25	0	Right Side	829	0.222	-1.08	23.10	23.04	1.014	0.225	/
			1	0	Bottom Side	836.5	0.097	1.29	24.10	24.06	1.009	0.098	/
			25	0	Bottom Side	829	0.081	2.97	23.10	23.04	1.014	0.082	/
LTE Band 7	20M	QPSK	1	0	Back Side	2510	0.843	-3.82	24.00	23.81	1.045	0.881	30
			1	0	Back Side	2535	0.756	-2.67	24.00	23.44	1.138	0.860	/
			1	0	Back Side	2560	0.763	3.14	24.00	23.39	1.151	0.878	/
			50	0	Back Side	2510	0.694	1.18	23.00	22.82	1.042	0.723	/
			1	0	Right Side	2510	0.407	3.87	24.00	23.81	1.045	0.425	/
			50	0	Right Side	2510	0.369	2.99	23.00	22.82	1.042	0.385	/
			1	0	Bottom Side	2510	0.176	-2.18	24.00	23.81	1.045	0.184	/
			50	0	Bottom Side	2510	0.154	3.12	23.00	22.82	1.042	0.161	/
LTE Band 12	10M	QPSK	1	0	Back Side	704	0.419	2.39	23.50	23.41	1.021	0.428	31
			25	0	Back Side	704	0.367	-3.41	22.50	22.43	1.016	0.373	/
			1	0	Right Side	704	0.226	3.56	23.50	23.41	1.021	0.231	/
			25	0	Right Side	704	0.197	3.42	22.50	22.43	1.016	0.200	/
			1	0	Bottom Side	704	0.092	-0.22	23.50	23.41	1.021	0.094	/



			25	0	Bottom Side	704	0.078	-0.60	22.50	22.43	1.016	0.079	/
LTE Band 13	10M	QPSK	1	0	Back Side	782	0.890	-2.88	23.30	23.16	1.033	0.919	32
			25	0	Back Side	782	0.806	2.30	22.30	22.14	1.038	0.836	/
			1	0	Right Side	782	0.469	-3.48	23.30	23.16	1.033	0.484	/
			25	0	Right Side	782	0.426	2.66	22.30	22.14	1.038	0.442	/
			1	0	Bottom Side	782	0.201	-0.55	23.30	23.16	1.033	0.208	/
			25	0	Bottom Side	782	0.176	-1.40	22.30	22.14	1.038	0.183	/
LTE Band 14	10M	QPSK	1	0	Back Side	763	0.817	-0.94	23.30	23.11	1.045	0.854	33
			25	0	Back Side	763	0.744	-0.83	22.30	22.06	1.057	0.786	/
			1	0	Right Side	763	0.44	3.13	23.30	23.11	1.045	0.460	/
			25	0	Right Side	763	0.399	0.25	22.30	22.06	1.057	0.422	/
			1	0	Bottom Side	763	0.188	3.80	23.30	23.11	1.045	0.196	/
			25	0	Bottom Side	763	0.161	2.24	22.30	22.06	1.057	0.170	/
LTE Band 17	10M	QPSK	1	0	Back Side	703	0.389	1.45	23.50	23.41	1.021	0.397	34
			25	0	Back Side	711	0.342	1.94	22.50	22.49	1.002	0.343	/
			1	0	Right Side	703	0.2	3.80	23.50	23.41	1.021	0.204	/
			25	0	Right Side	711	0.169	-2.03	22.50	22.49	1.002	0.169	/
			1	0	Bottom Side	703	0.082	-0.64	23.50	23.41	1.021	0.084	/
			25	0	Bottom Side	711	0.063	1.82	22.50	22.49	1.002	0.063	/
LTE Band 25	20M	QPSK	1	0	Back Side	1905	0.422	1.86	24.50	24.27	1.054	0.445	35
			50	0	Back Side	1905	0.373	2.10	23.50	23.32	1.042	0.389	/
			1	0	Right Side	1905	0.218	-0.18	24.50	24.27	1.054	0.230	/
			50	0	Right Side	1905	0.197	3.88	23.50	23.32	1.042	0.205	/
			1	0	Bottom Side	1905	0.094	-3.55	24.50	24.27	1.054	0.099	/
			50	0	Bottom Side	1905	0.084	2.53	23.50	23.32	1.042	0.088	/
LTE Band 26	15M	QPSK	1	0	Back Side	831.5	0.465	1.77	24.00	23.81	1.045	0.486	36
			36	0	Back Side	831.5	0.423	0.03	23.00	22.81	1.045	0.442	/
			1	0	Right Side	831.5	0.236	-1.36	24.00	23.81	1.045	0.247	/
			36	0	Right Side	831.5	0.211	3.06	23.00	22.81	1.045	0.220	/
			1	0	Bottom Side	831.5	0.1	0.13	24.00	23.81	1.045	0.104	/
			36	0	Bottom Side	831.5	0.077	1.36	23.00	22.81	1.045	0.080	/
LTE Band 38	20M	QPSK	1	0	Back Side	2595	0.302	3.38	24.50	24.24	1.062	0.321	37
			50	0	Back Side	2595	0.264	0.58	23.50	23.18	1.076	0.284	/



			1	0	Right Side	2595	0.163	0.61	24.50	24.24	1.062	0.173	/
			50	0	Right Side	2595	0.147	-2.09	23.50	23.18	1.076	0.158	/
			1	0	Bottom Side	2595	0.06	-2.03	24.50	24.24	1.062	0.064	/
			50	0	Bottom Side	2595	0.054	-1.99	23.50	23.18	1.076	0.058	/
LTE Band 41	20M	QPSK	1	0	Back Side	2593	0.279	3.13	20.10	19.73	1.089	0.304	38
			50	0	Back Side	2593	0.252	2.43	20.00	19.73	1.064	0.268	/
			1	0	Right Side	2593	0.152	-2.63	20.10	19.73	1.089	0.166	/
			50	0	Right Side	2593	0.138	0.22	20.00	19.73	1.064	0.147	/
			1	0	Bottom Side	2593	0.061	-3.29	20.10	19.73	1.089	0.066	/
			50	0	Bottom Side	2593	0.043	-1.52	20.00	19.73	1.064	0.046	/
LTE Band 48	20M	QPSK	1	0	Back Side	3560	0.454	3.34	20.50	19.75	1.189	0.540	39
			50	0	Back Side	3560	0.432	3.92	20.50	19.80	1.175	0.508	/
			1	0	Right Side	3560	0.246	2.37	20.50	19.75	1.189	0.292	/
			50	0	Right Side	3560	0.217	2.88	20.50	19.80	1.175	0.255	/
			1	0	Bottom Side	3560	0.238	-1.53	20.50	19.75	1.189	0.283	/
			50	0	Bottom Side	3560	0.211	-1.76	20.50	19.80	1.175	0.248	/
LTE Band 66	20M	QPSK	1	0	Back Side	1720	0.435	1.56	24.00	23.62	1.091	0.475	40
			50	0	Back Side	1720	0.389	-2.05	23.60	23.54	1.014	0.394	/
			1	0	Right Side	1720	0.224	-1.90	24.00	23.62	1.091	0.244	/
			50	0	Right Side	1720	0.205	2.38	23.60	23.54	1.014	0.208	/
			1	0	Bottom Side	1720	0.104	-0.71	24.00	23.62	1.091	0.114	/
			50	0	Bottom Side	1720	0.082	-0.89	23.60	23.54	1.014	0.083	/
LTE Band 71	20M	QPSK	1	0	Back Side	673	0.440	2.10	23.50	23.48	1.005	0.442	41
			50	0	Back Side	673	0.399	-1.04	22.50	22.49	1.002	0.400	/
			1	0	Right Side	673	0.232	2.00	23.50	23.48	1.005	0.233	/
			50	0	Right Side	673	0.201	-0.24	22.50	22.49	1.002	0.201	/
			1	0	Bottom Side	673	0.1	-1.43	23.50	23.48	1.005	0.100	/
			50	0	Bottom Side	673	0.091	1.54	22.50	22.49	1.002	0.091	/

Note:

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



12.2 Repeated SAR

Band	Mode	Test Position	Ch.	Result 1g (W/Kg)	Power Drift (%)	Max. Turn-up Power (dBm)	Meas. Output Power (dBm)	Scaling Factor	Scaled SAR(W/Kg)
WCDMA Band II	RMC	Back Side	1852.4	0.852	2.35	23.00	22.77	1.054	0.898
		Back Side	1880	0.881	0.95	23.00	22.89	1.026	0.904
		Back Side	1907.6	0.904	1.48	23.10	23.06	1.009	0.912

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 7	20M	QPSK	1	0	Back Side	2510	0.843	3.83	24.00	23.81	1.045	0.881
			1	0	Back Side	2535	0.756	3.94	24.00	23.44	1.138	0.860
			1	0	Back Side	2560	0.763	-0.09	24.00	23.39	1.151	0.878
LTE Band 13	10M	QPSK	1	0	Back Side	2510	0.880	-1.43	23.30	23.16	1.033	0.909
			1	0	Back Side	2535	0.783	-3.55	22.30	22.14	1.038	0.812
LTE Band 13	10M	QPSK	1	0	Back Side	2510	0.792	-3.92	23.30	23.11	1.045	0.827
			1	0	Back Side	2535	0.739	0.96	22.30	22.06	1.057	0.781

12.3 Repeated SAR measurement

Band	Mode	Test Position	Ch.	Original Measured SAR 1g(W/kg)	1 st Repeated SAR 1g	Ratio
WCDMA Band II	RMC	Back Side	1852.4	0.852	0.849	1.004
		Back Side	1880	0.881	0.843	1.045
		Back Side	1907.6	0.904	0.872	1.036

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 7	20M	QPSK	1	0	Back Side	2510	0.843	0.807	1.044
			1	0	Back Side	2535	0.756	0.755	1.001
			1	0	Back Side	2560	0.763	0.739	1.033
LTE Band 13	10M	QPSK	1	0	Back Side	782	0.890	0.880	1.011
			25	0	Back Side	782	0.806	0.783	1.029
LTE Band 13	10M	QPSK	1	0	Back Side	763	0.817	0.792	1.032
			25	0	Back Side	763	0.744	0.739	1.007

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.



12.4 Simultaneous Multi-band Transmission Evaluation

Application Simultaneous Transmission information:

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

NOTE:

1. The 2.4G WLAN, 5G WLAN and 6G WLAN can't simultaneous transmission at the same time.
2. For simultaneous transmission at head and body exposure position, 2 transmitters simultaneous transmission was the worst state.
3. If the test separation distance is <5mm, 5mm is used for excluded SAR calculation.
4. KDB 447498 / 4.3.2 (2) when standalone SAR test exclusion applies to an antenna that transmits simultaneously with other antennas, the standalone SAR must be estimated according to following to determine simultaneous transmission SAR test exclusion:
 - a) $(\text{max. power of channel, including tune-up tolerance, mW}) / (\text{min. test separation distance, mm}) \cdot [\sqrt{f} \text{ (GHz)} / x] \text{ W/kg}$ 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) 0.4 W/Kg for 1-g SAR and 1.0 W/Kg for 10-g SAR, when the separation distance is $>50 \text{ mm}$.

Simultaneous Mode	Position	Mode	Max. 1-g SAR	1-g Sum SAR
			(W/kg)	(W/kg)
GSM + Bluetooth + 2.4G WLAN + NFC	Body	GSM	0.412	0.951
		NFC	0.0000020	
		Bluetooth	0.087	
		2.4G WLAN	0.452	
GSM + Bluetooth + 5G WLAN+ NFC	Body	GSM	0.412	0.946
		NFC	0.0000020	
		Bluetooth	0.087	
		5G WLAN	0.447	
GSM + Bluetooth + 6G WLAN+ NFC	Body	GSM	0.412	0.779
		NFC	0.0000020	
		Bluetooth	0.087	
		6G WLAN	0.280	
WCDMA + Bluetooth + 2.4G WLAN + NFC	Body	WCDMA	0.912	1.451
		NFC	0.0000020	
		Bluetooth	0.087	
		2.4G WLAN	0.452	
WCDMA + Bluetooth + 5G WLAN+ NFC	Body	WCDMA	0.912	1.446
		NFC	0.0000020	
		Bluetooth	0.087	
		5G WLAN	0.447	
WCDMA + Bluetooth + 6G WLAN+ NFC	Body	WCDMA	0.912	1.279
		NFC	0.0000020	
		Bluetooth	0.087	
		6G WLAN	0.280	
LTE + Bluetooth + 2.4G WLAN + NFC	Body	LTE	0.919	1.458
		NFC	0.0000020	



		Bluetooth	0.087	
		2.4G WLAN	0.452	
LTE + Bluetooth + 5G WLAN+ NFC	Body	LTE	0.919	1.453
		NFC	0.0000020	
		Bluetooth	0.087	
		5G WLAN	0.447	
LTE + Bluetooth + 6G WLAN+ NFC	Body	LTE	0.919	1.286
		NFC	0.0000020	
		Bluetooth	0.087	
		6G WLAN	0.280	

Note:

1. 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.
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.
3. The 6G WLAN test data is based on the report No.Ti-EE26080204-701.



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
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)

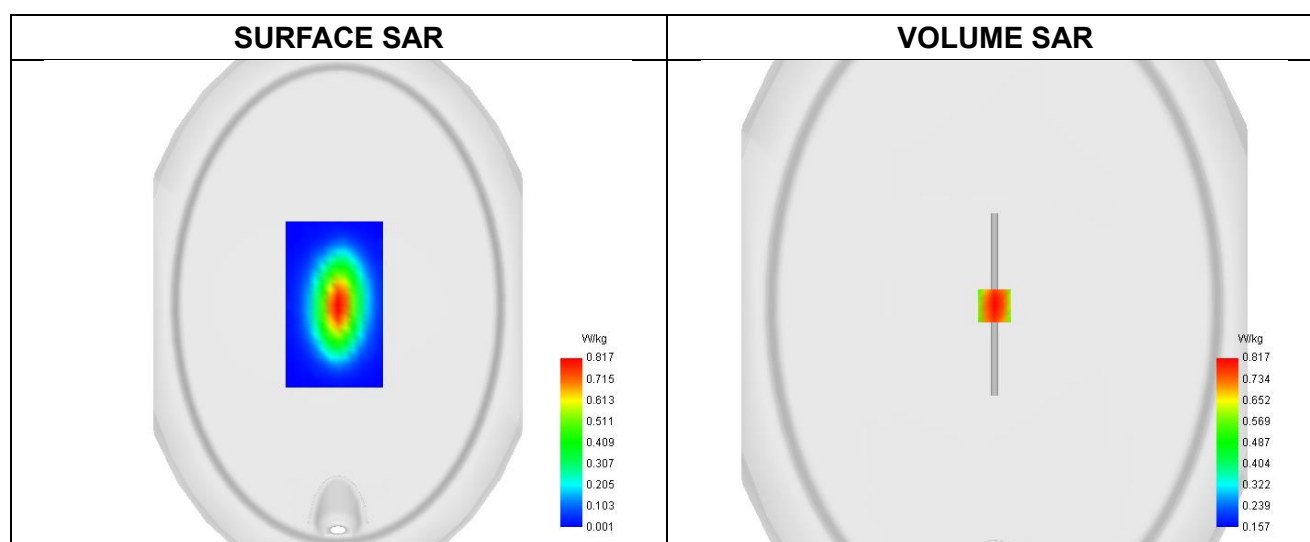
Area scan resolution: dx=8mm,dy=8mm

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

Date of measurement: 2026-07-18

Experimental conditions.

Phantom	Validation plane
Device Position	Dipole
Band	CW750
Channels	Middle
Signal	CW
Frequency (MHz)	750.000
Relative permittivity	41.98
Conductivity (S/m)	0.90
Probe	0326-EPGO-431
ConvF	0.71
Crest factor:	1:1

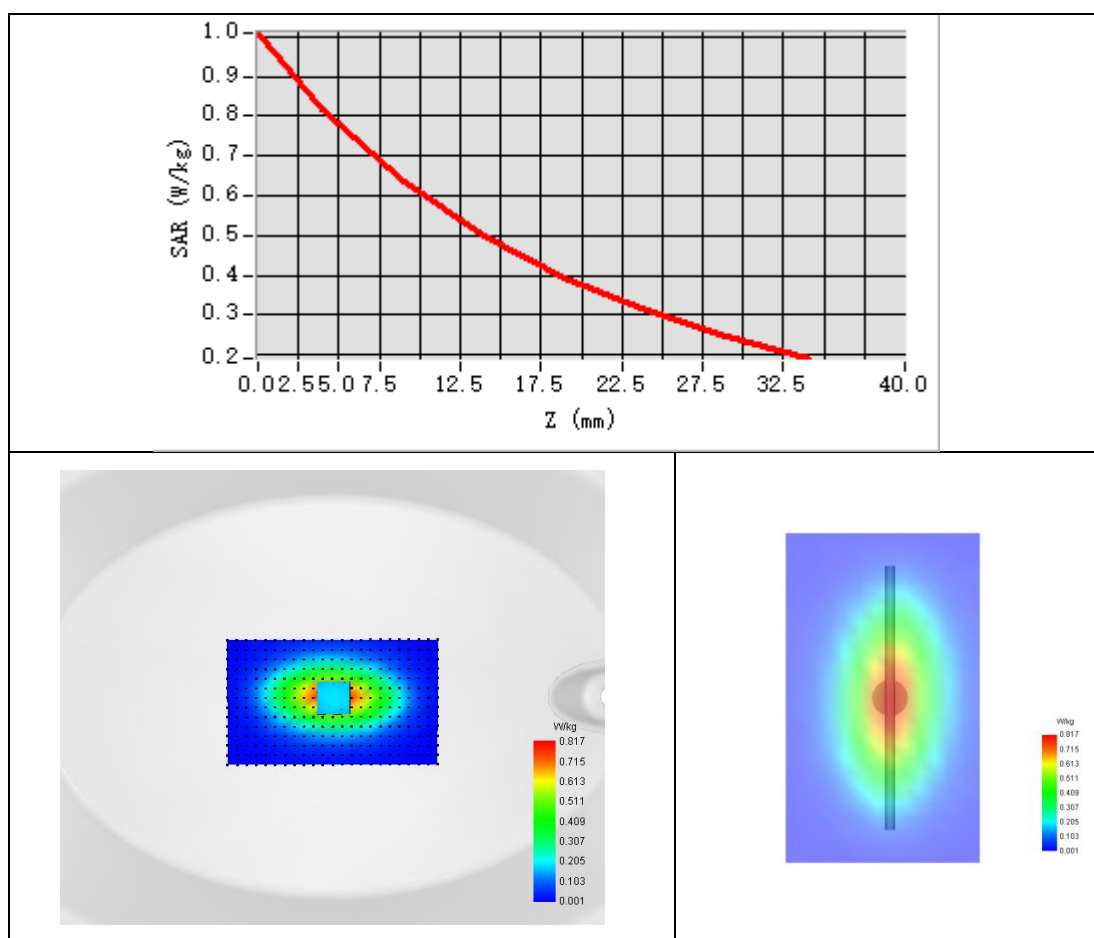


Maximum location: X=0.00, Y=-1.00 ; SAR Peak: 1.01 W/kg

SAR 10g (W/Kg)	0.588
SAR 1g (W/Kg)	0.857
Horizontal validation criteria: minimum distance (mm)	16.000000
Vertical validation criteria: SAR ratio M2/M1 (%)	77.627847



Z Axis Scan





System Performance Check Data (835MHz)

Type: Phone measurement (Complete)

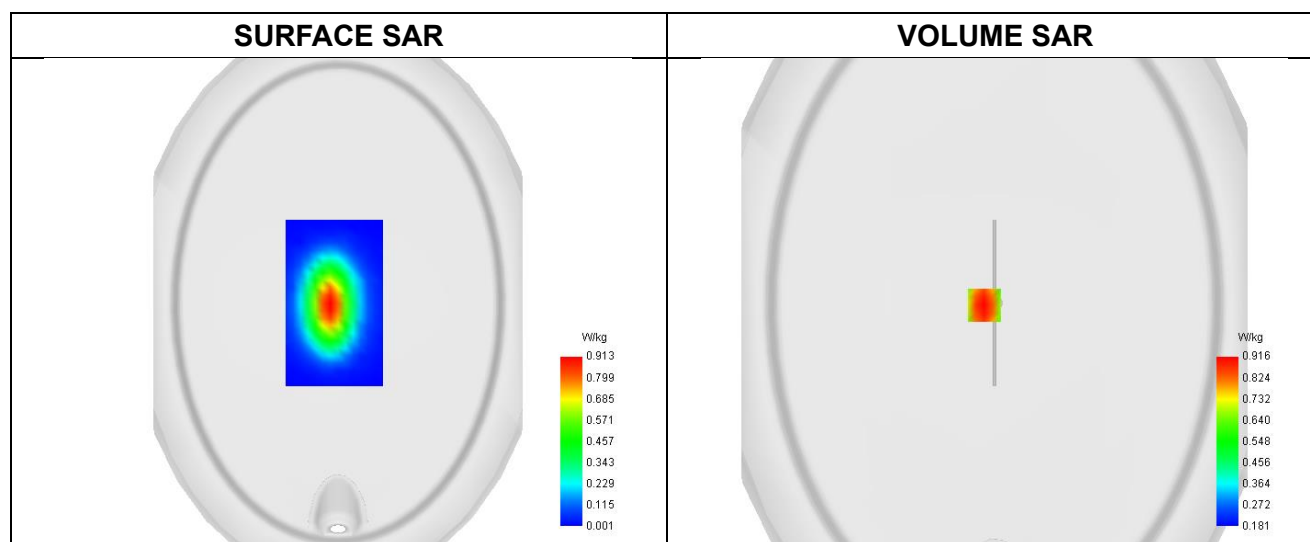
Area scan resolution: dx=8mm,dy=8mm

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

Date of measurement: 2026-07-20

Experimental conditions.

Phantom	Validation plane
Device Position	Dipole
Band	CW835
Channels	Middle
Signal	CW
Frequency (MHz)	835.000
Relative permittivity	41.66
Conductivity (S/m)	0.91
Probe	0326-EPGO-431
ConvF	0.69
Crest factor:	1:1

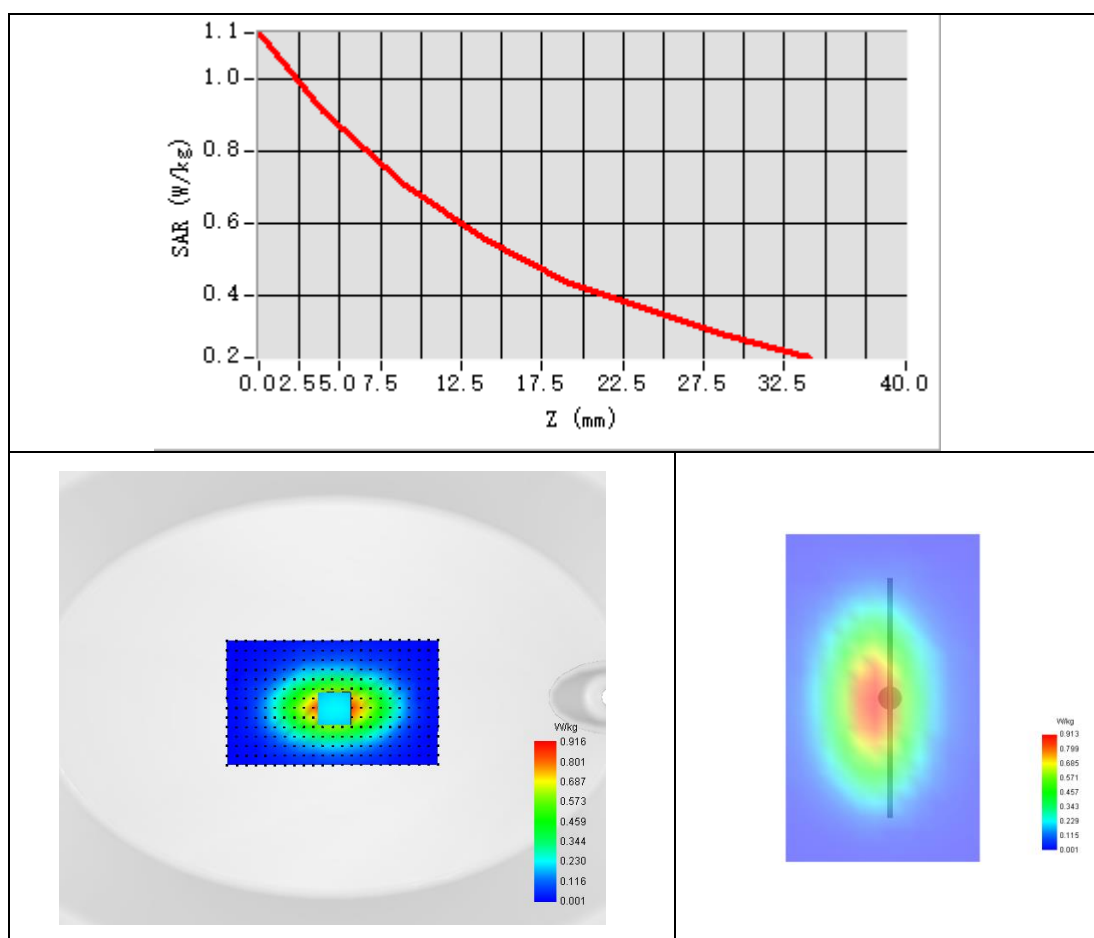


Maximum location: X=-10.00, Y=-2.00 ; SAR Peak: 1.13 W/kg

SAR 10g (W/Kg)	0.594
SAR 1g (W/Kg)	0.924
Horizontal validation criteria: minimum distance (mm)	16.000000
Vertical validation criteria: SAR ratio M2/M1 (%)	77.306791



Z Axis Scan





System Performance Check Data (1800MHz)

Type: Phone measurement (Complete)

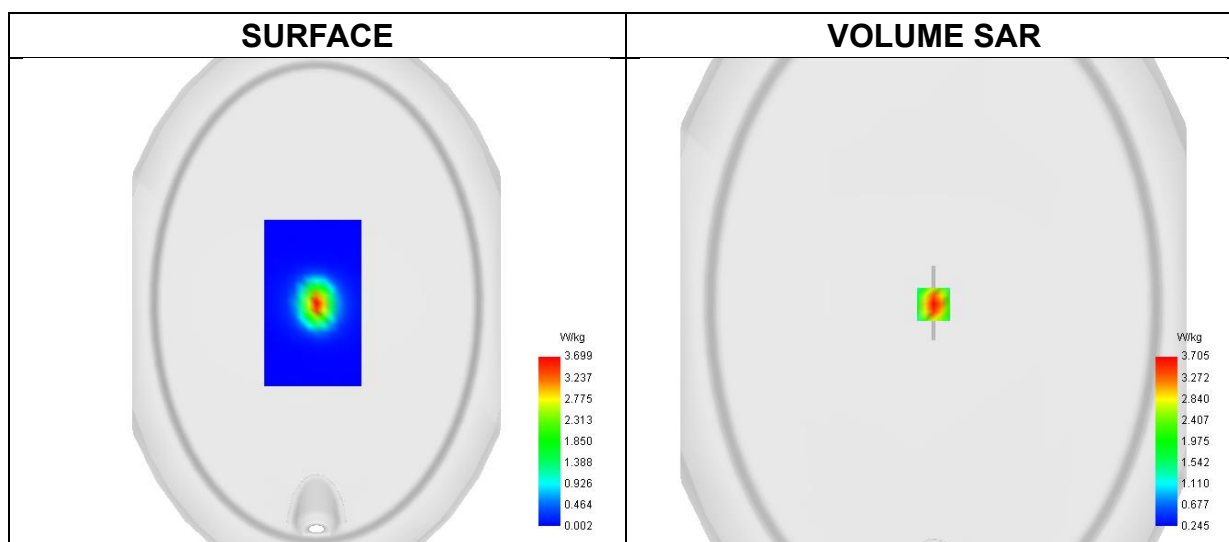
Area scan resolution: dx=8mm, dy=8mm

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

Date of measurement: 2026-07-16

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)	1.43
Probe	0326-EPGO-431
ConvF	0.69
Crest factor:	1:1

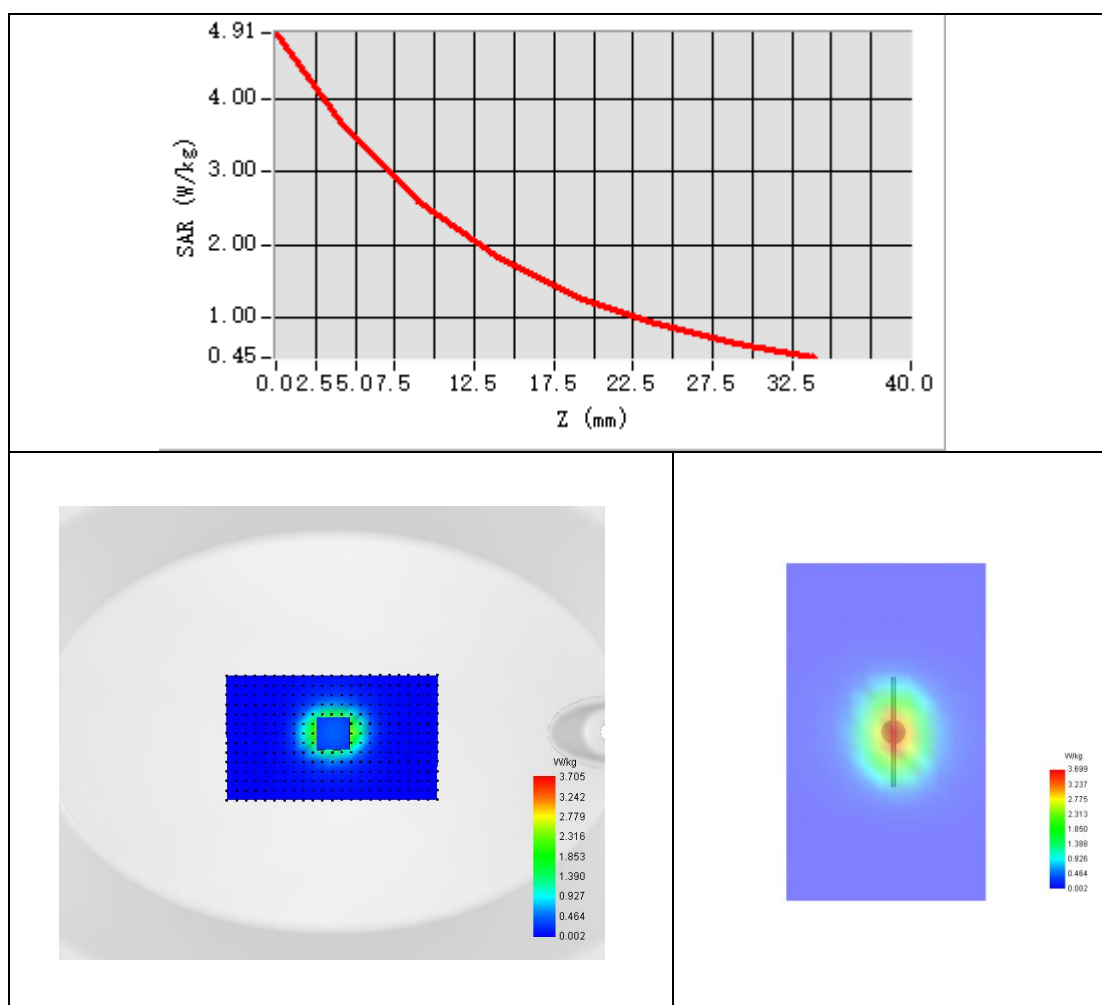


Maximum location: X=0.00, Y=-1.00 ; SAR Peak: 4.93 W/kg

SAR 10g (W/Kg)	1.928
SAR 1g (W/Kg)	3.691
Horizontal validation criteria: minimum distance (mm)	16.000000
Vertical validation criteria: SAR ratio M2/M1 (%)	70.190241



Z Axis Scan





System Performance Check Data (1900MHz)

Type: Phone measurement (Complete)

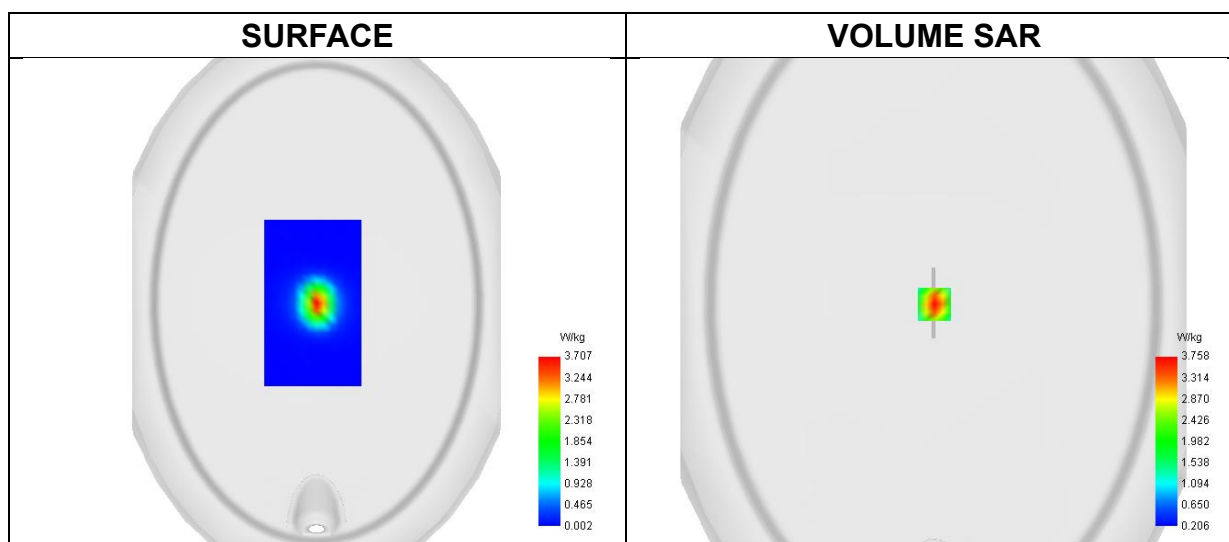
Area scan resolution: dx=8mm, dy=8mm

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

Date of measurement: 2026-08-02

Experimental conditions.

Phantom	Validation plane
Device Position	Dipole
Band	CW1900
Channels	Middle
Signal	CW
Frequency (MHz)	1900.000
Relative permittivity	41.00
Conductivity (S/m)	1.38
Probe	0326-EPGO-431
ConvF	0.90
Crest factor:	1:1

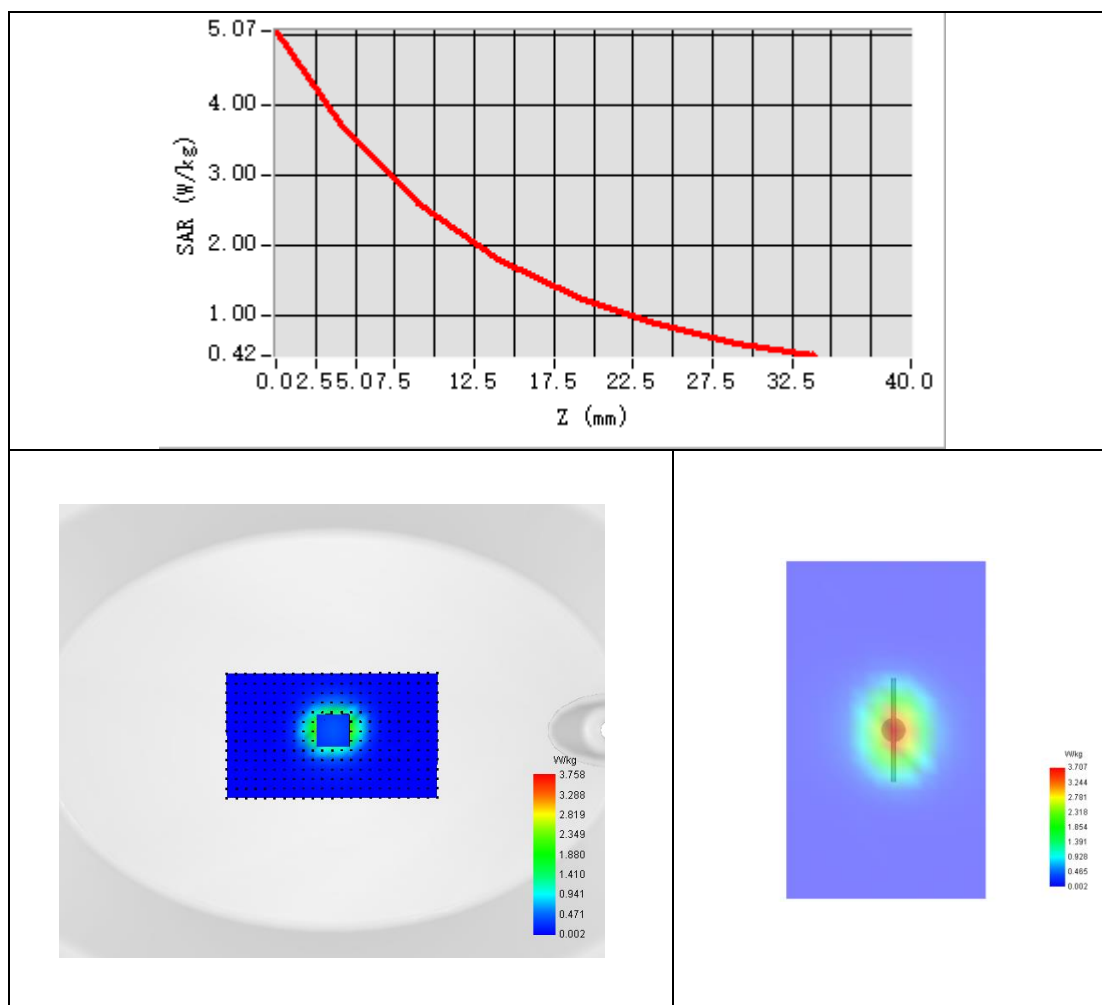


Maximum location: X=1.00, Y=-1.00 ; SAR Peak: 5.07 W/kg

SAR 10g (W/Kg)	2.082
SAR 1g (W/Kg)	4.045
Horizontal validation criteria: minimum distance (mm)	16.000000
Vertical validation criteria: SAR ratio M2/M1 (%)	68.786540



Z Axis Scan





System Performance Check Data (2450MHz)

Type: Phone measurement (Complete)

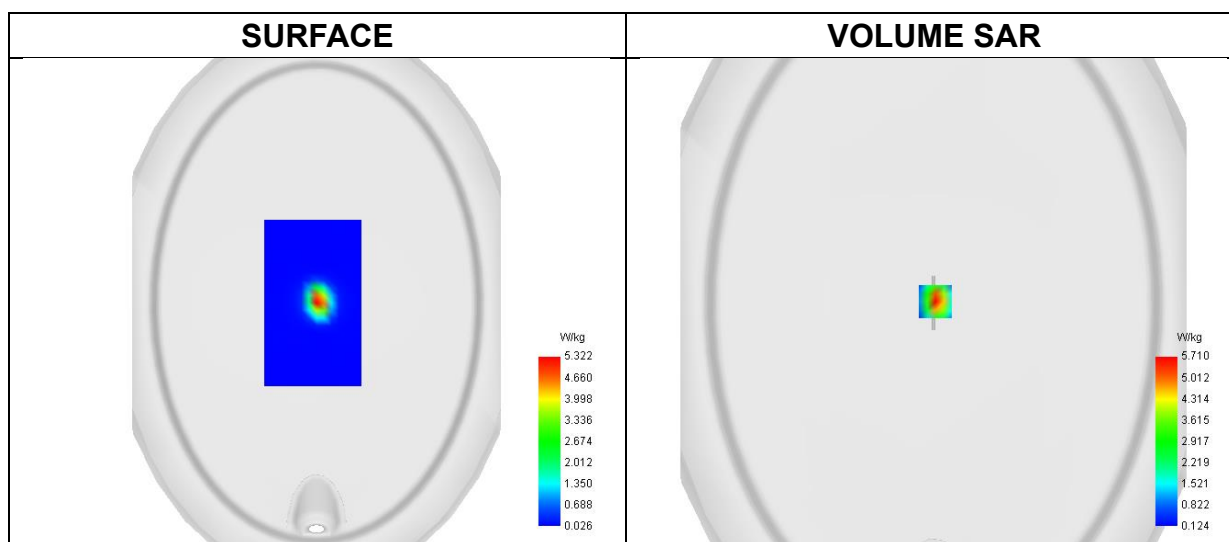
Area scan resolution: dx=8mm, dy=8mm

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

Date of measurement: 2026-07-17

Experimental conditions.

Phantom	Validation plane
Device Position	Dipole
Band	CW2450
Channels	Middle
Signal	CW
Frequency (MHz)	2450.000
Relative permittivity	40.08
Conductivity (S/m)	1.77
Probe	0326-EPGO-431
ConvF	1.03
Crest factor:	1:1

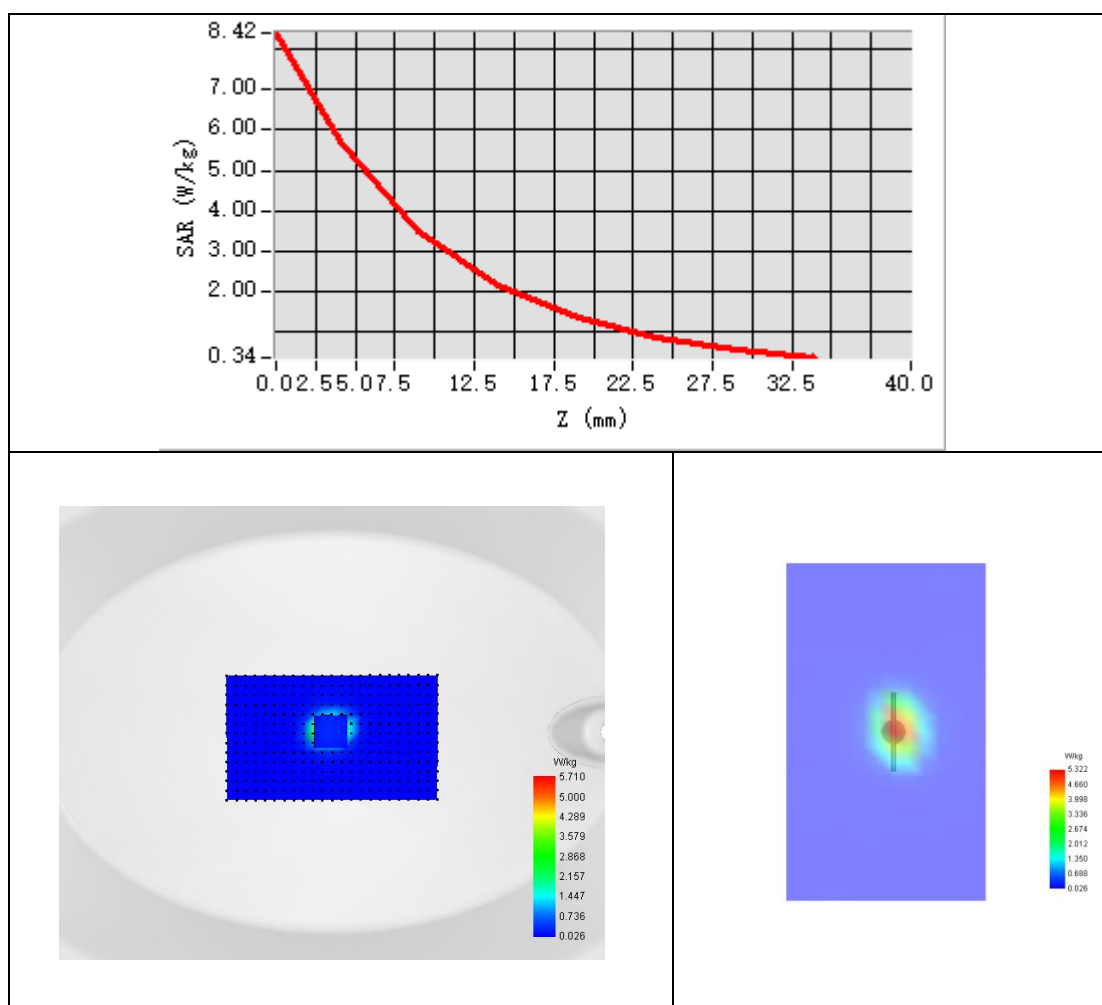


Maximum location: X=2.00, Y=1.00 ; SAR Peak: 8.61 W/kg

SAR 10g (W/Kg)	2.425
SAR 1g (W/Kg)	5.311
Horizontal validation criteria: minimum distance (mm)	11.313708
Vertical validation criteria: SAR ratio M2/M1 (%)	60.821556



Z Axis Scan





System Performance Check Data (2600MHz)

Type: Phone measurement (Complete)

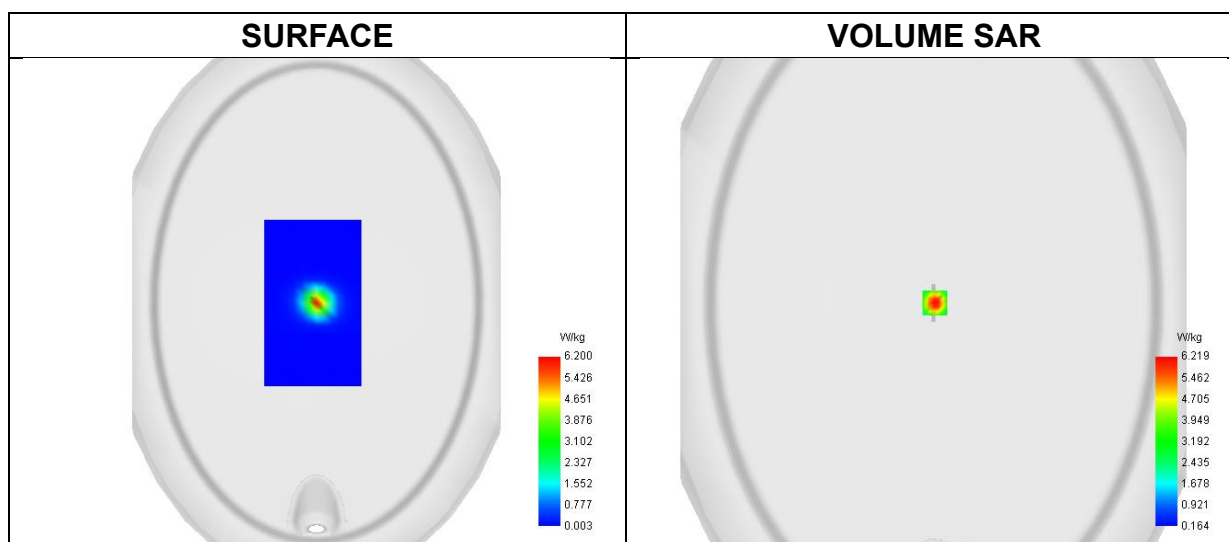
Area scan resolution: dx=8mm, dy=8mm

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

Date of measurement: 2026-08-01

Experimental conditions.

Phantom	Validation plane
Device Position	Dipole
Band	CW2600
Channels	Middle
Signal	CW
Frequency (MHz)	2600.000
Relative permittivity	39.93
Conductivity (S/m)	2.03
Probe	0326-EPGO-431
ConvF	0.98
Crest factor:	1:1

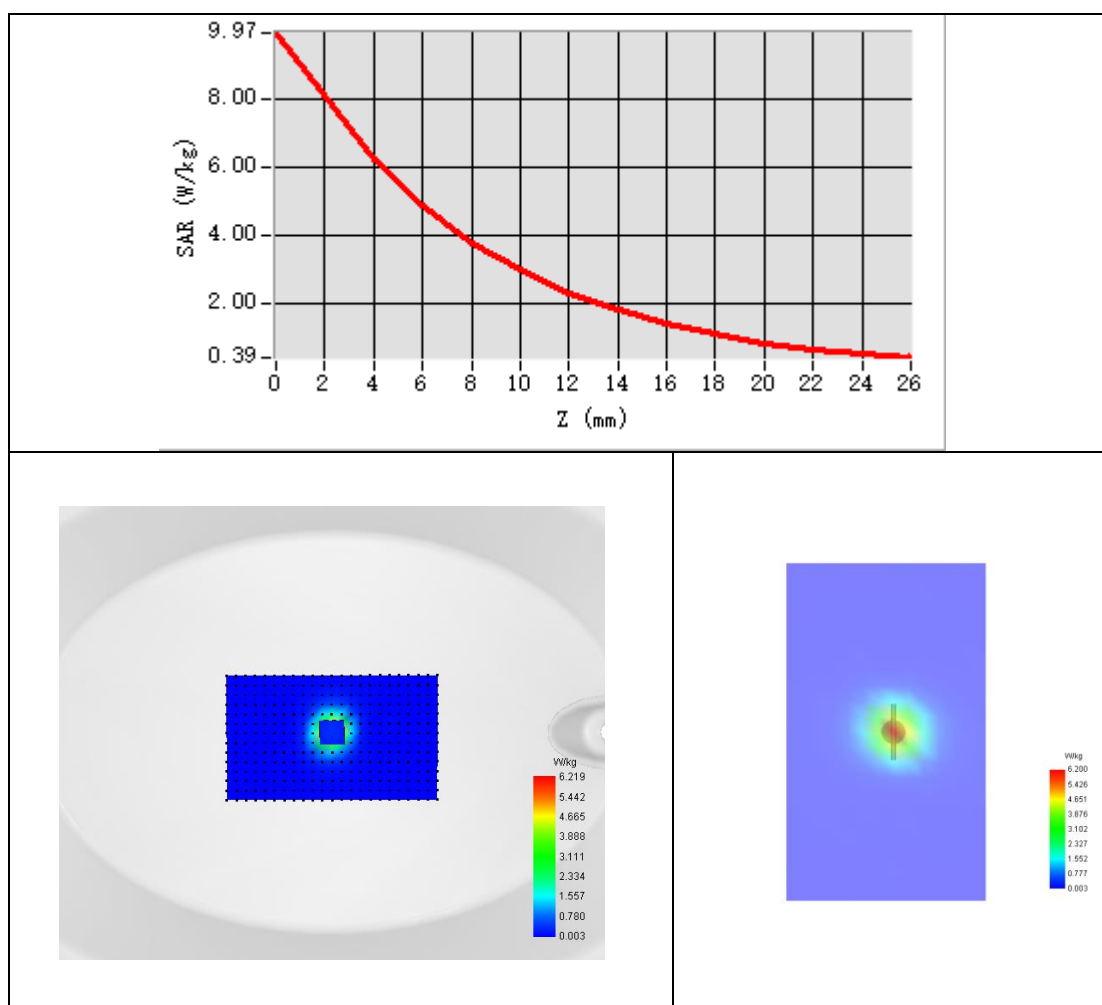


Maximum location: X=1.00, Y=0.00 ; SAR Peak: 9.93 W/kg

SAR 10g (W/Kg)	2.550
SAR 1g (W/Kg)	5.613
Horizontal validation criteria: minimum distance (mm)	14.422205
Vertical validation criteria: SAR ratio M2/M1 (%)	78.518634



Z Axis Scan





System Performance Check Data (3500MHz)

Type: Phone measurement (Complete)

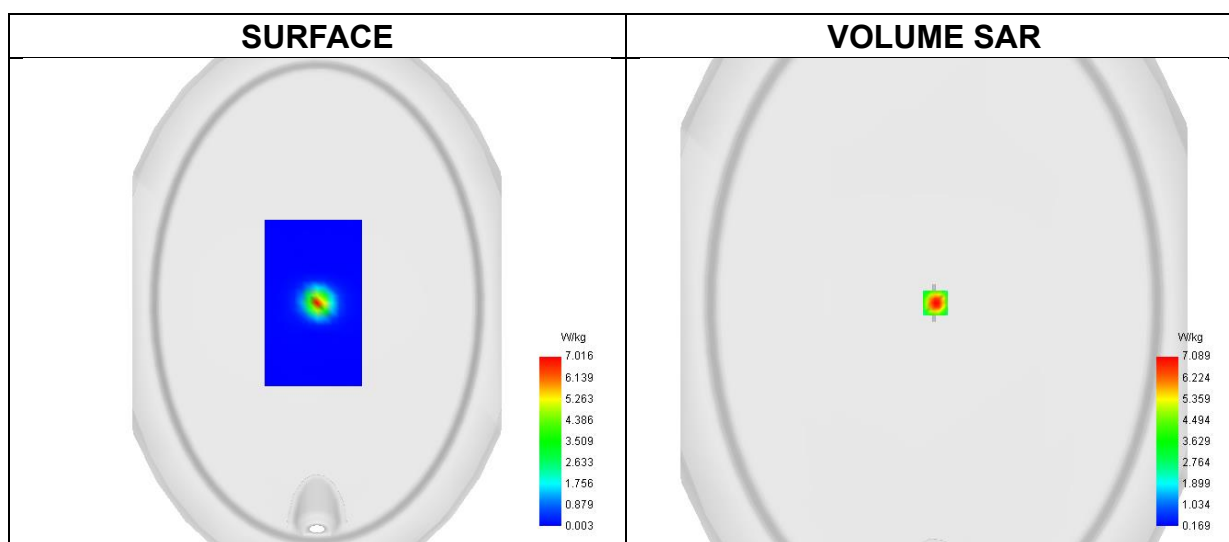
Area scan resolution: dx=8mm, dy=8mm

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

Date of measurement: 2026-07-30

Experimental conditions.

Phantom	Validation plane
Device Position	Dipole
Band	CW3500
Channels	Middle
Signal	CW
Frequency (MHz)	3500.000
Relative permittivity	38.83
Conductivity (S/m)	3.00
Probe	0326-EPGO-431
ConvF	0.92
Crest factor:	1:1

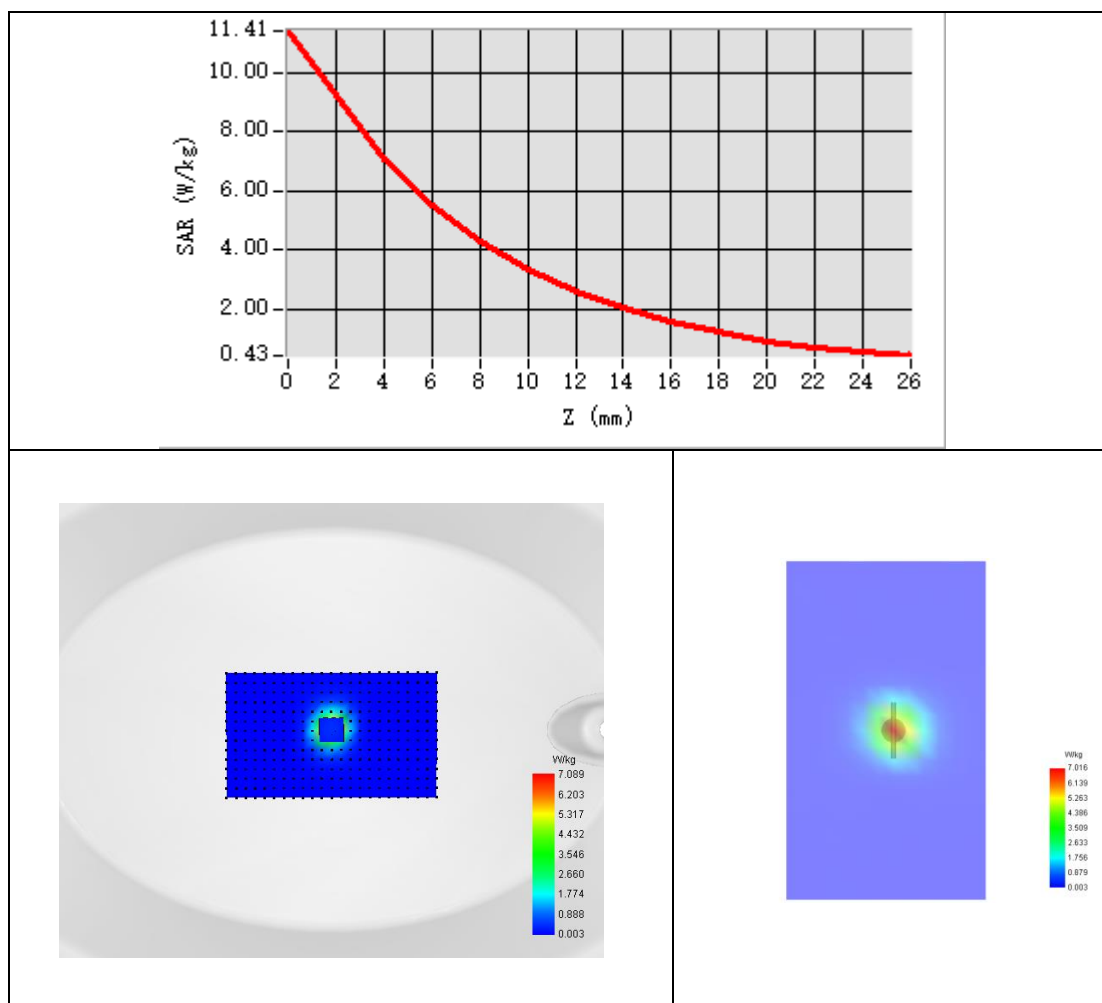


Maximum location: X=1.00, Y=0.00 ; SAR Peak: 11.45 W/kg

SAR 10g (W/Kg)	2.544
SAR 1g (W/Kg)	6.464
Horizontal validation criteria: minimum distance (mm)	12.649111
Vertical validation criteria: SAR ratio M2/M1 (%)	78.137688



Z Axis Scan





System Performance Check Data (5200MHz)

Type: Phone measurement (Complete)

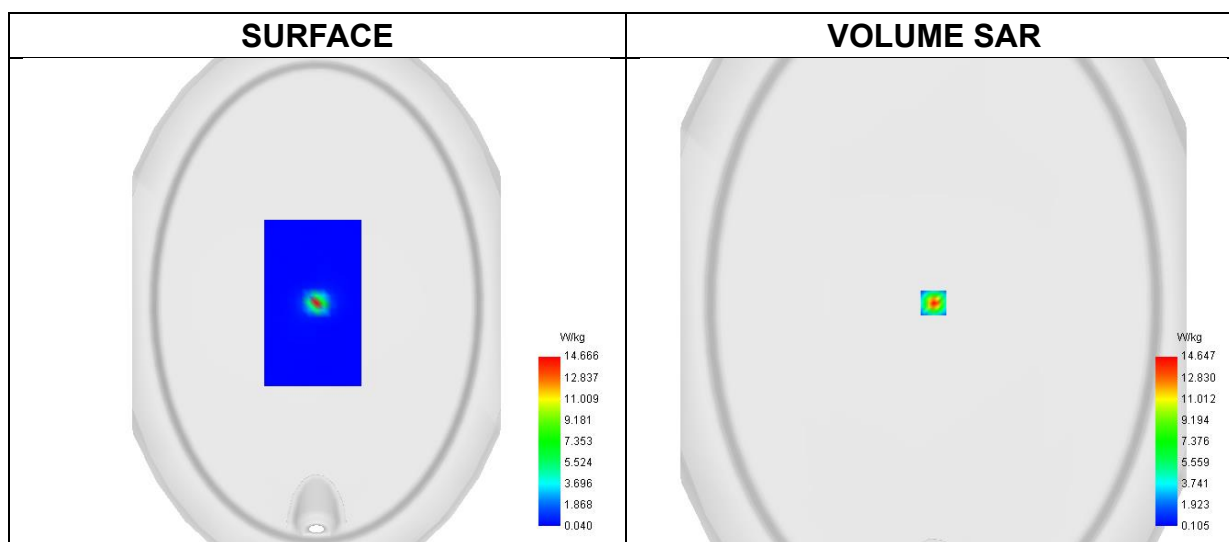
Area scan resolution: dx=8mm, dy=8mm

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

Date of measurement: 2026-07-19

Experimental conditions.

Phantom	Validation plane
Device Position	Dipole
Band	CW5200
Channels	Middle
Signal	CW
Frequency (MHz)	5200.000
Relative permittivity	35.78
Conductivity (S/m)	4.67
Probe	0326-EPGO-431
ConvF	1.08
Crest factor:	1:1

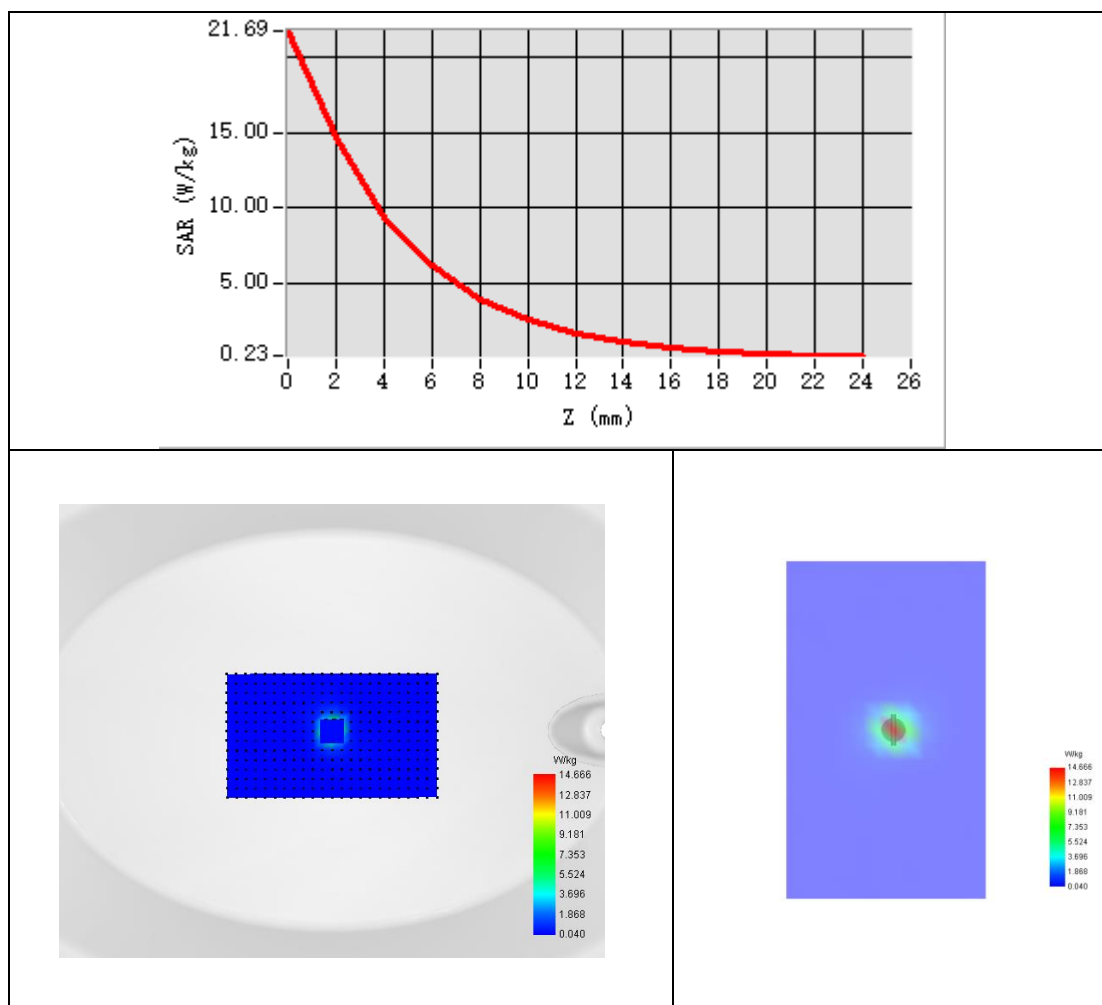


Maximum location: X=0.00, Y=0.00 ; SAR Peak: 22.36 W/kg

SAR 10g (W/Kg)	2.268
SAR 1g (W/Kg)	7.804
Horizontal validation criteria: minimum distance (mm)	8.000000
Vertical validation criteria: SAR ratio M2/M1 (%)	63.784096



Z Axis Scan





System Performance Check Data (5400MHz)

Type: Phone measurement (Complete)

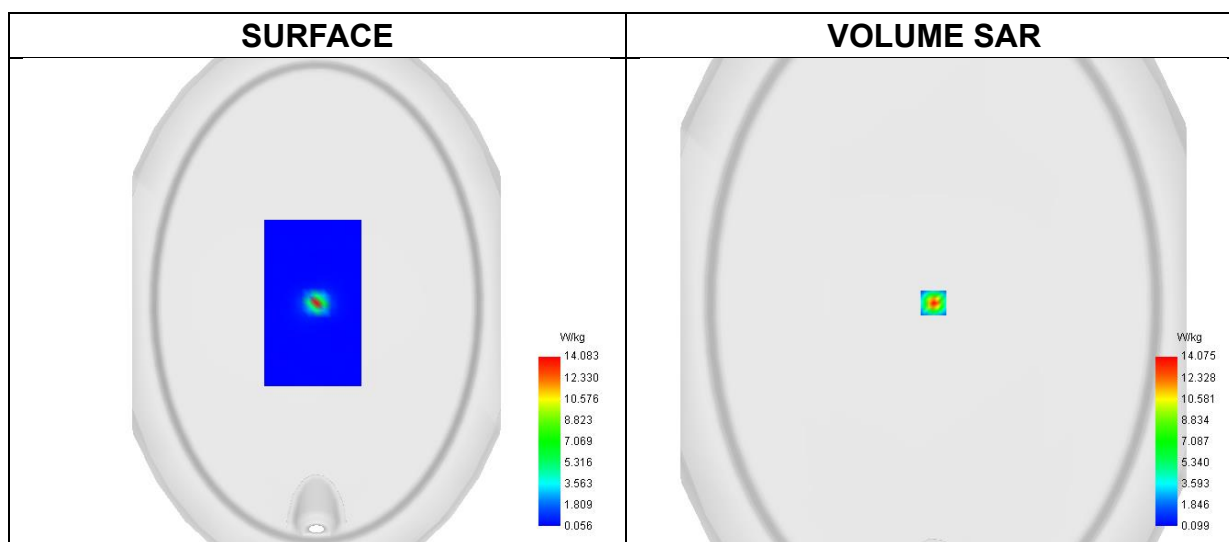
Area scan resolution: dx=8mm, dy=8mm

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

Date of measurement: 2026-07-19

Experimental conditions.

Phantom	Validation plane
Device Position	Dipole
Band	CW5400
Channels	Middle
Signal	CW
Frequency (MHz)	5400.000
Relative permittivity	37.06
Conductivity (S/m)	4.88
Probe	0326-EPGO-431
ConvF	1.16
Crest factor:	1:1

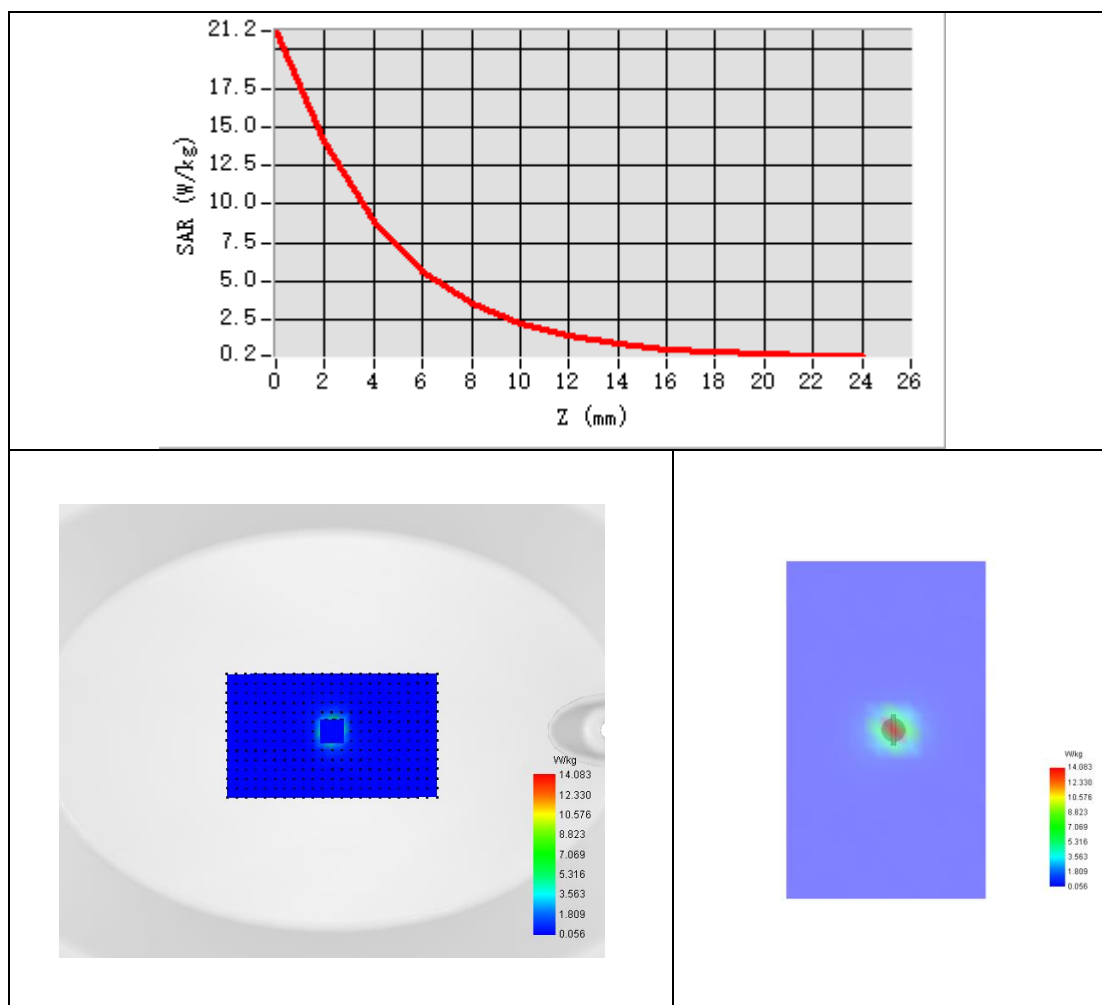


Maximum location: X=0.00, Y=0.00 ; SAR Peak: 21.53 W/kg

SAR 10g (W/Kg)	2.254
SAR 1g (W/Kg)	7.724
Horizontal validation criteria: minimum distance (mm)	8.000000
Vertical validation criteria: SAR ratio M2/M1 (%)	62.819892



Z Axis Scan





System Performance Check Data (5600MHz)

Type: Phone measurement (Complete)

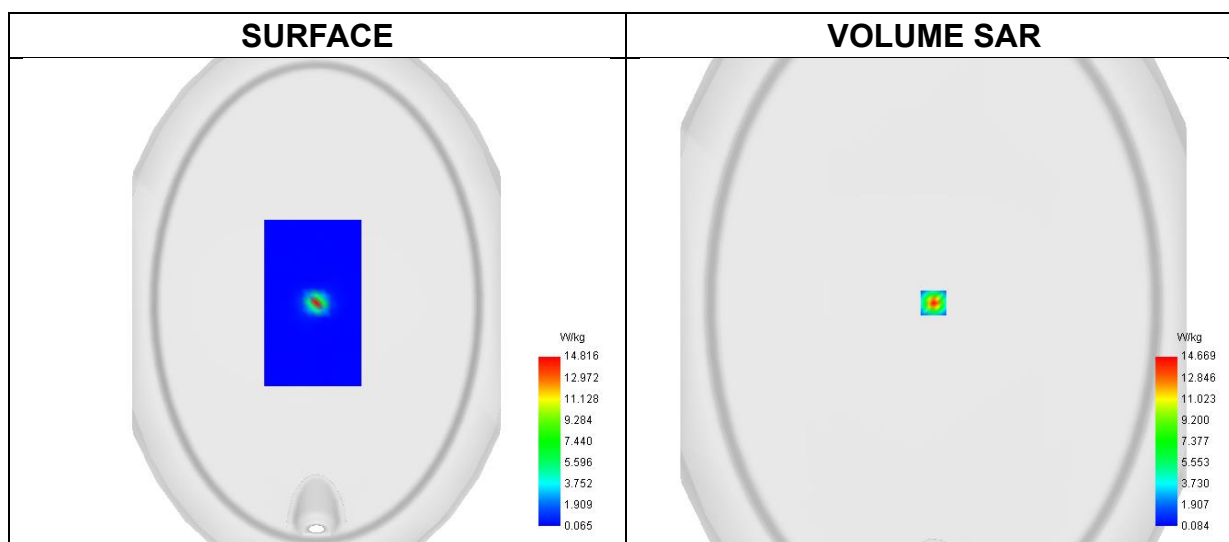
Area scan resolution: dx=8mm, dy=8mm

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

Date of measurement: 2026-07-29

Experimental conditions.

Phantom	Validation plane
Device Position	Dipole
Band	CW5600
Channels	Middle
Signal	CW
Frequency (MHz)	5600.000
Relative permittivity	36.68
Conductivity (S/m)	5.12
Probe	0326-EPGO-431
ConvF	1.07
Crest factor:	1:1

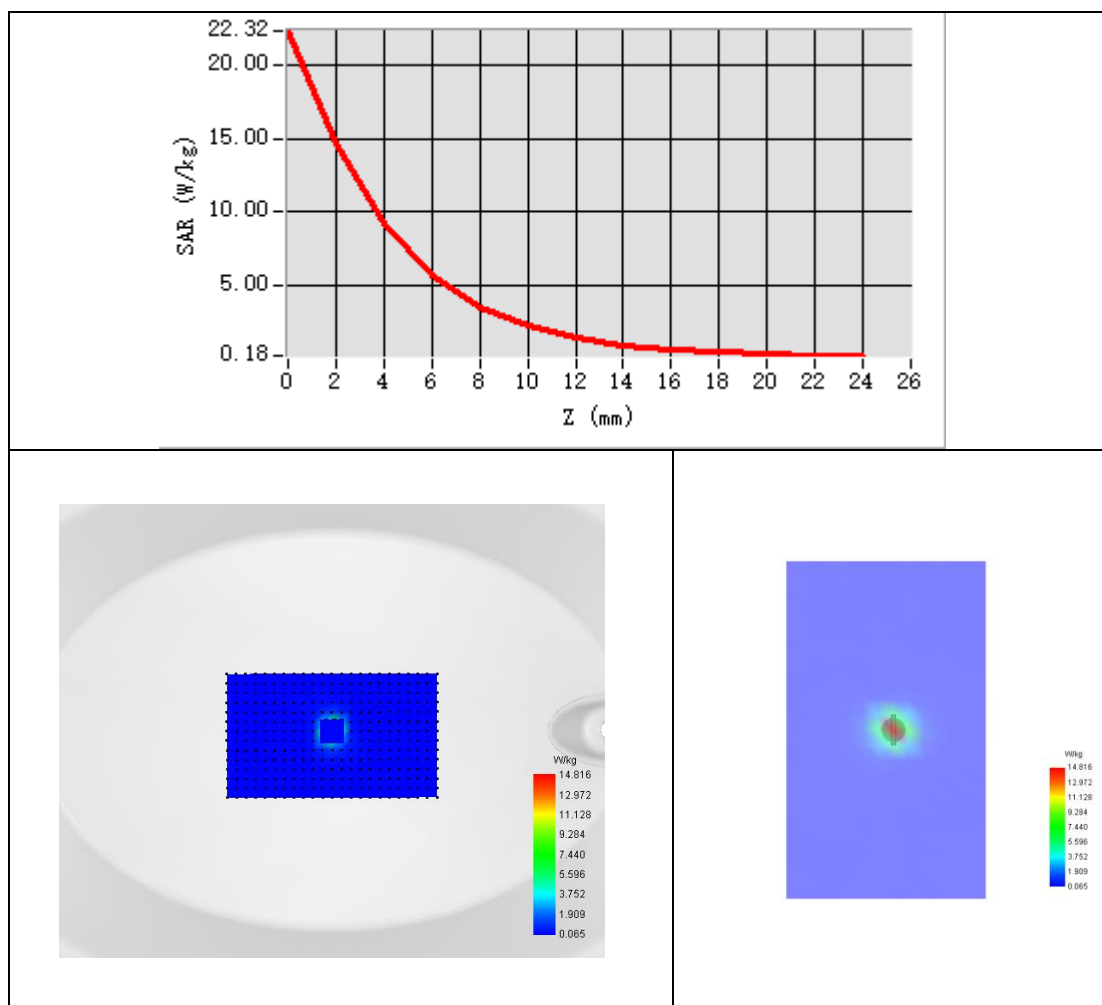


Maximum location: X=0.00, Y=0.00 ; SAR Peak: 22.42 W/kg

SAR 10g (W/Kg)	2.397
SAR 1g (W/Kg)	8.223
Horizontal validation criteria: minimum distance (mm)	8.000000
Vertical validation criteria: SAR ratio M2/M1 (%)	62.404673



Z Axis Scan





System Performance Check Data (5800MHz)

Type: Phone measurement (Complete)

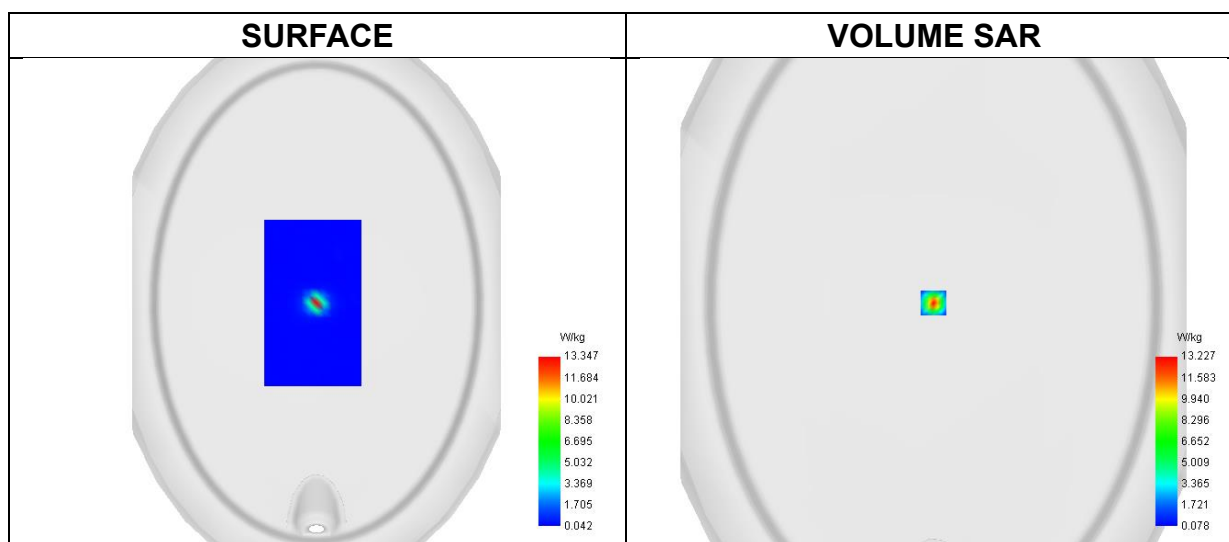
Area scan resolution: dx=8mm, dy=8mm

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

Date of measurement: 2026-07-29

Experimental conditions.

Phantom	Validation plane
Device Position	Dipole
Band	CW5800
Channels	Middle
Signal	CW
Frequency (MHz)	5800.000
Relative permittivity	36.53
Conductivity (S/m)	5.23
Probe	0326-EPGO-431
ConvF	1.19
Crest factor:	1:1

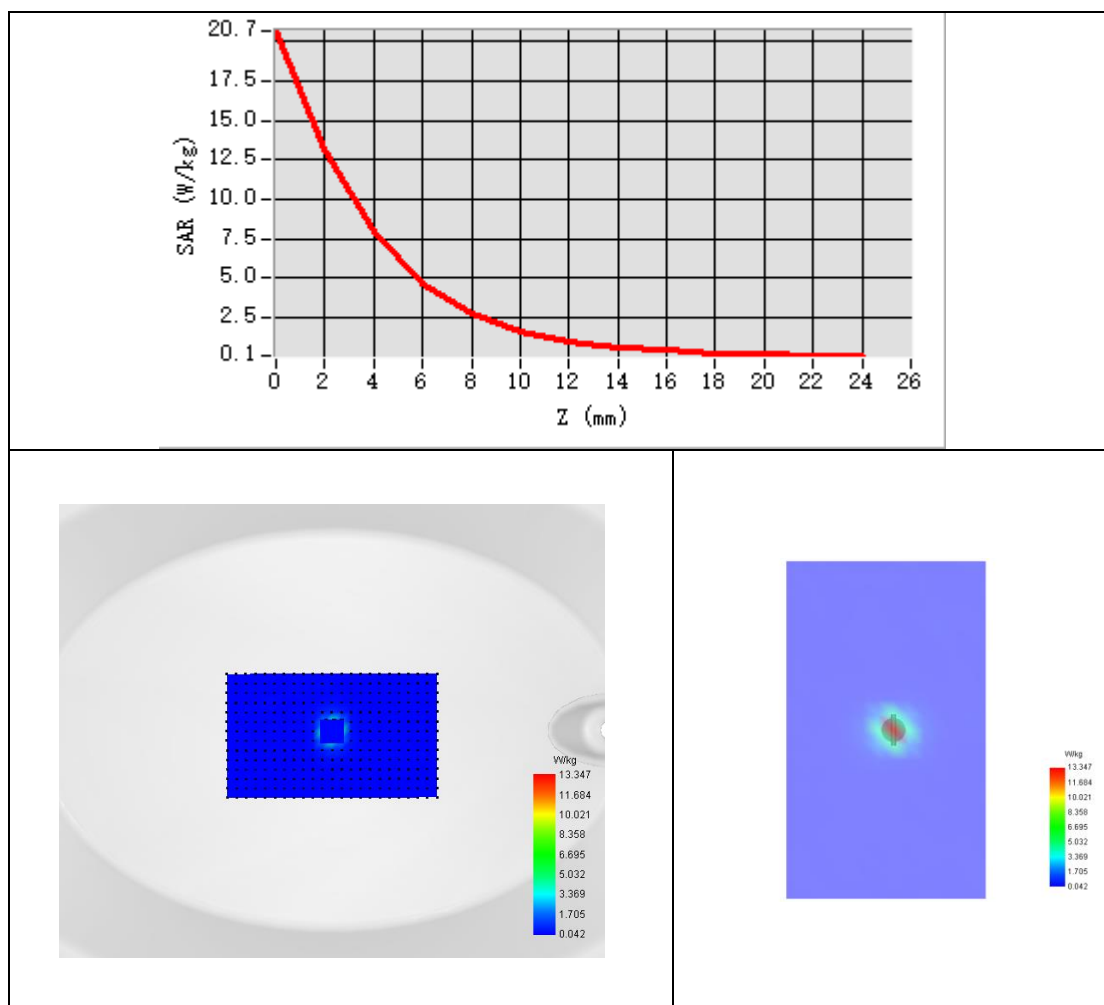


Maximum location: X=0.00, Y=0.00 ; SAR Peak: 20.67 W/kg

SAR 10g (W/Kg)	2.345
SAR 1g (W/Kg)	8.054
Horizontal validation criteria: minimum distance (mm)	8.000000
Vertical validation criteria: SAR ratio M2/M1 (%)	60.765370



Z Axis Scan



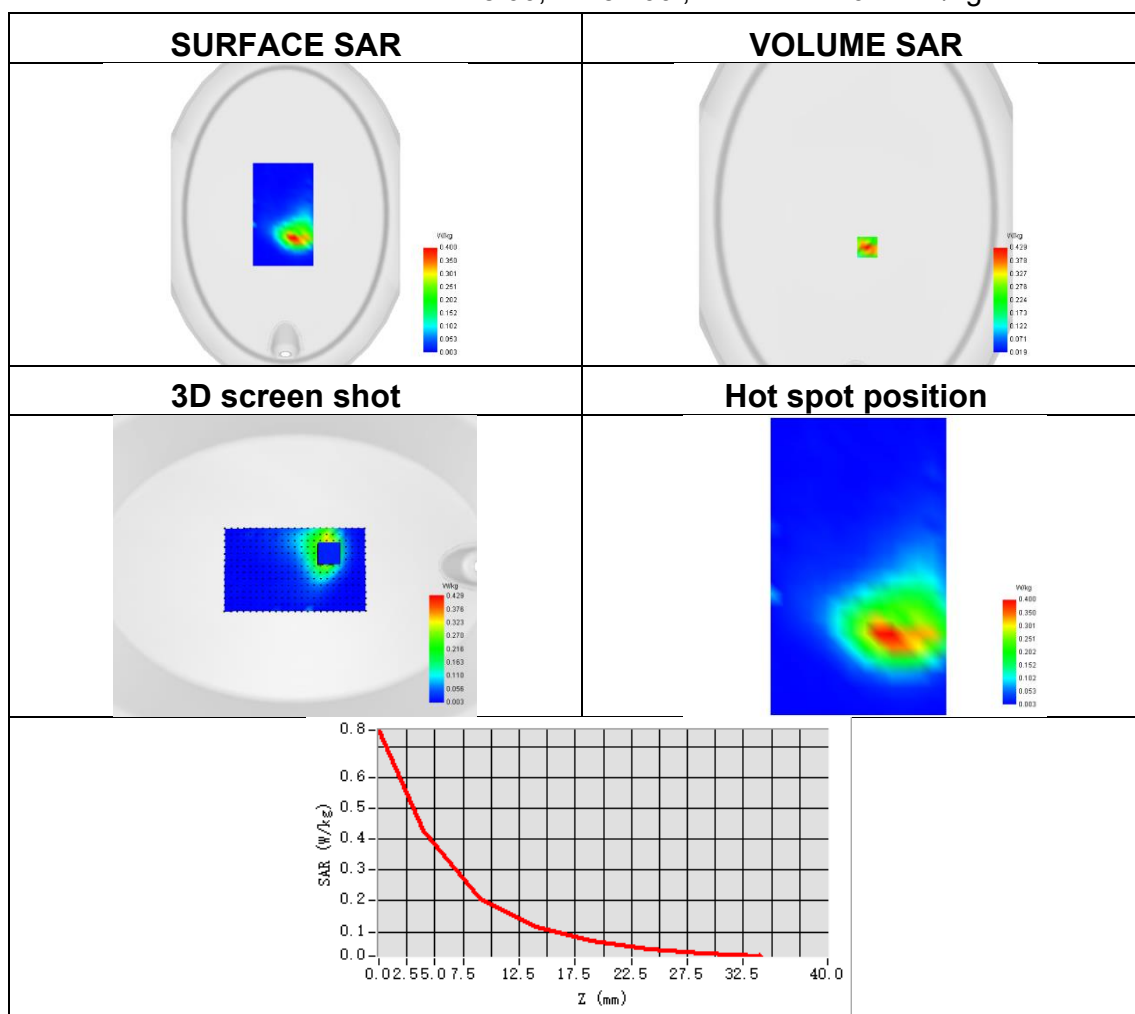


Appendix B. SAR Test Plots

Plot 1:

Test Date	2026-07-20
Area Scan	dx=8mm dy=8mm
Zoom Scan	5x5x7, dx=8mm dy=8mm dz=5mm
Phantom	ELLI
Device Position	Back Side
Band	GPRS850
Signal	TDMA (GPRS)
Frequency	824.2
SAR 10g (W/Kg)	0.196
SAR 1g (W/Kg)	0.406
Horizontal validation criteria: minimum distance (mm)	17.888544
Vertical validation criteria: SAR ratio M2/M1 (%)	47.851843
ConvF	0.69
Relative permittivity	42.56
Conductivity (S/m)	0.90

Maximum location: X=18.00, Y=-51.00 ; SAR Peak: 0.74 W/kg

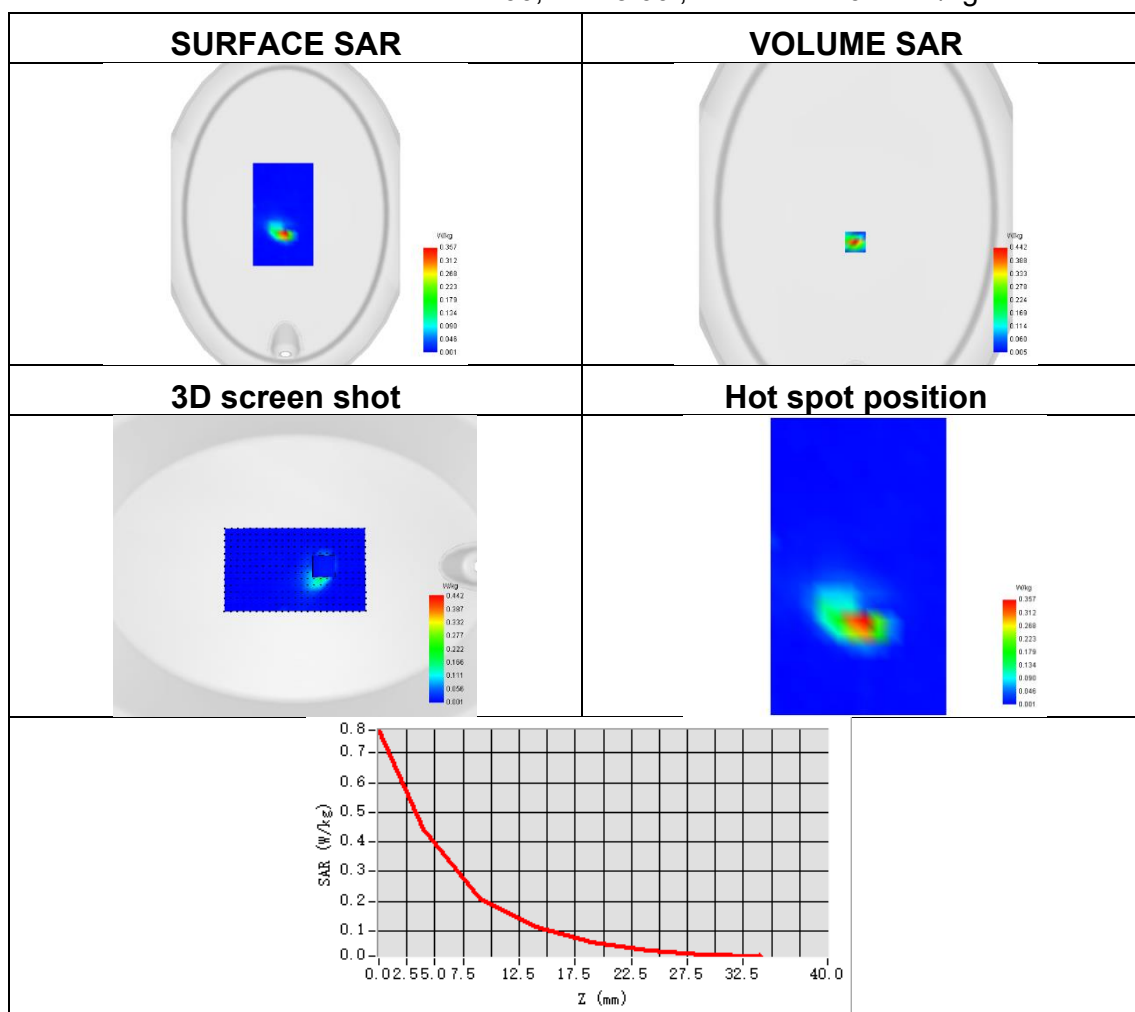




Plot 2:

Test Date	2026-08-02
Area Scan	dx=8mm dy=8mm
Zoom Scan	5x5x7, dx=8mm dy=8mm dz=5mm
Phantom	ELLI
Device Position	Back Side
Band	GPRS1900
Signal	TDMA (GPRS)
Frequency	1909.8
SAR 10g (W/Kg)	0.166
SAR 1g (W/Kg)	0.396
Horizontal validation criteria: minimum distance (mm)	16.000000
Vertical validation criteria: SAR ratio M2/M1 (%)	46.981483
ConvF	0.90
Relative permittivity	40.12
Conductivity (S/m)	1.44

Maximum location: X=-1.00, Y=-43.00 ; SAR Peak: 0.77 W/kg

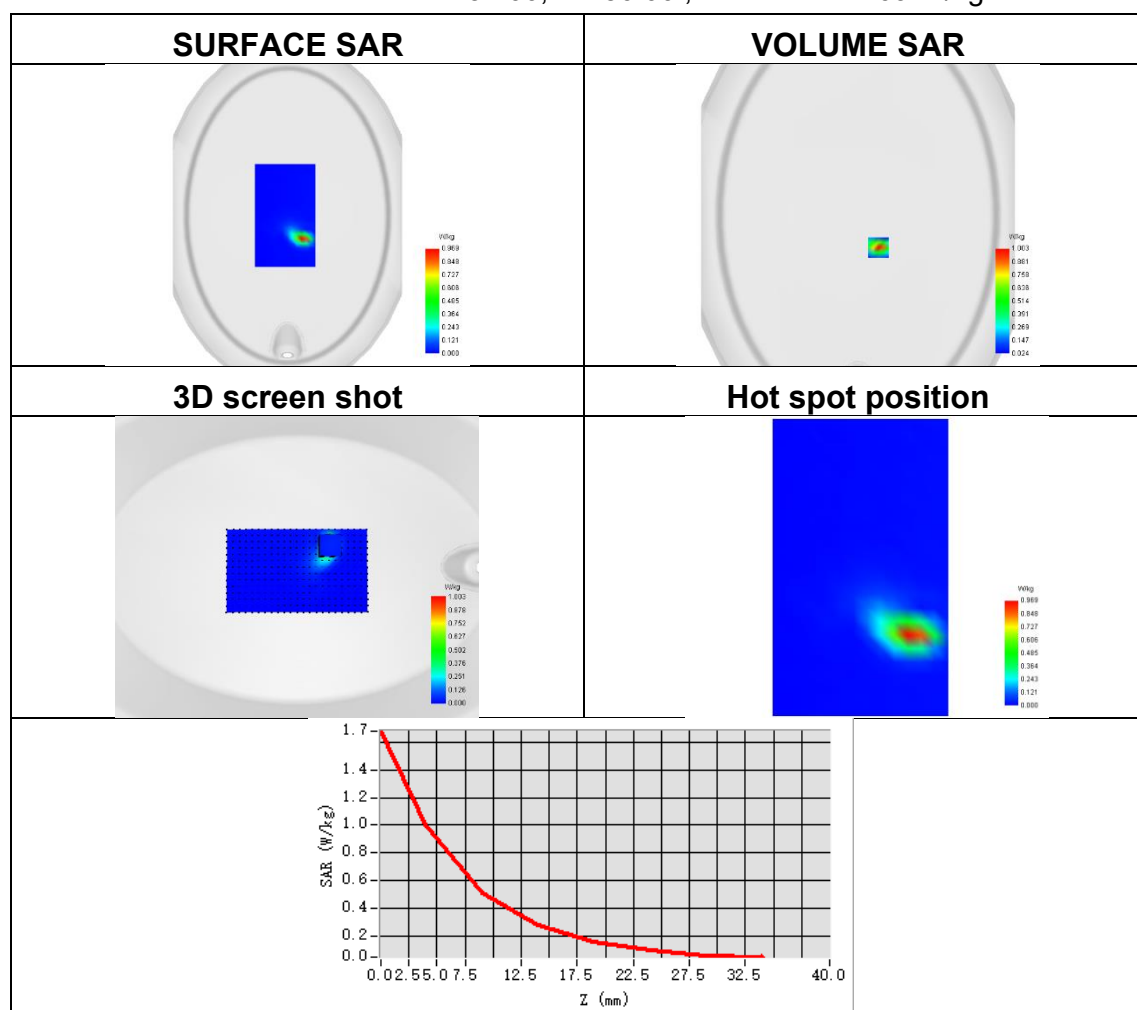




Plot 3:

Test Date	2026-08-02
Area Scan	dx=8mm dy=8mm
Zoom Scan	5x5x7, dx=8mm dy=8mm dz=5mm
Phantom	Validation plane
Device Position	Back Side
Band	Band 2 (1900)
Signal	WCDMA
Frequency	1907.6
SAR 10g (W/Kg)	0.401
SAR 1g (W/Kg)	0.904
Horizontal validation criteria: minimum distance (mm)	16.000000
Vertical validation criteria: SAR ratio M2/M1 (%)	51.061328
ConvF	0.90
Relative permittivity	40.77
Conductivity (S/m)	1.46

Maximum location: X=32.00, Y=-50.00 ; SAR Peak: 1.69 W/kg

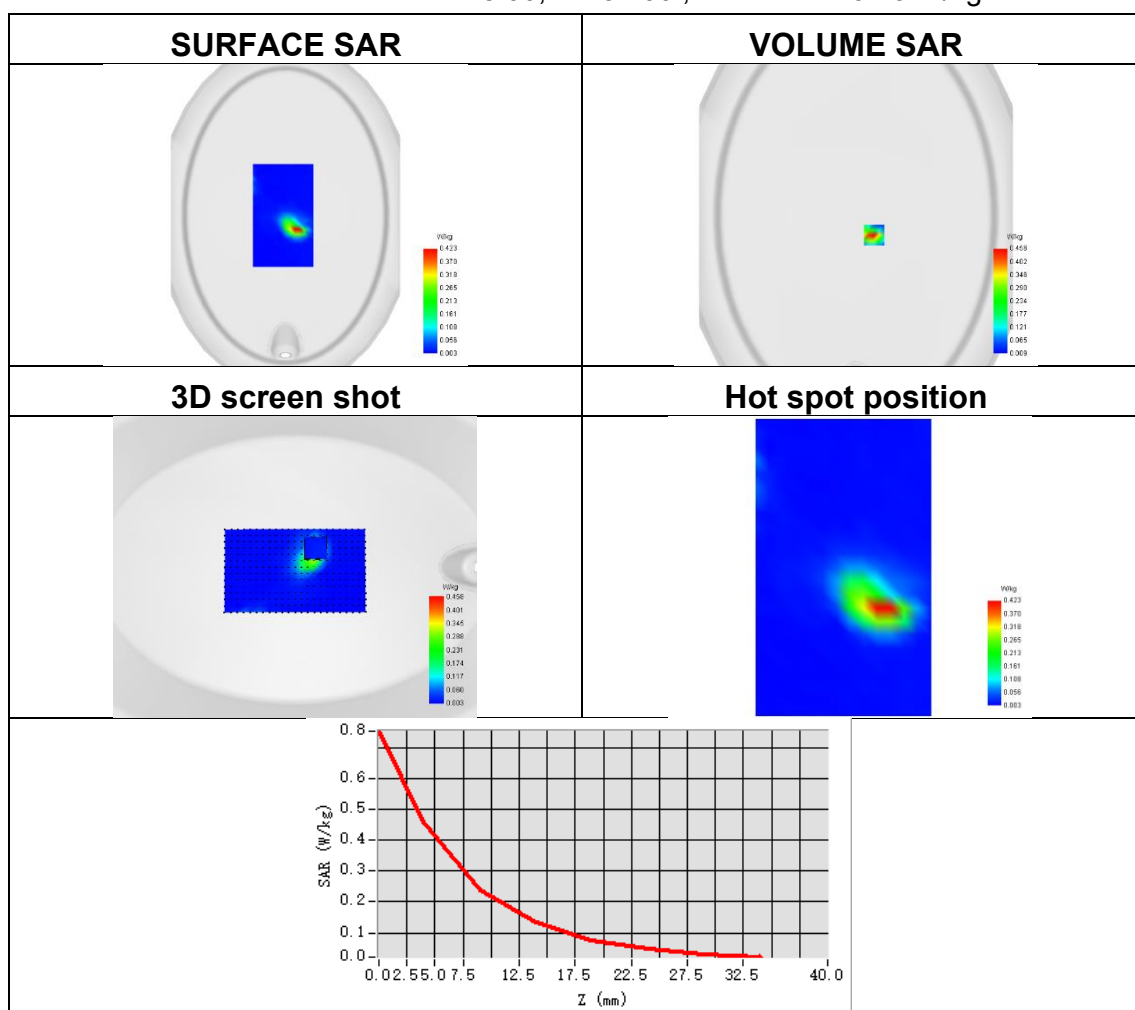




Plot 4:

Test Date	2026-07-16
Area Scan	dx=8mm dy=8mm
Zoom Scan	5x5x7, dx=8mm dy=8mm dz=5mm
Phantom	Validation plane
Device Position	Back Side
Band	Band 4 (1700)
Signal	WCDMA
Frequency	1712.6
SAR 10g (W/Kg)	0.200
SAR 1g (W/Kg)	0.421
Horizontal validation criteria: minimum distance (mm)	16.000000
Vertical validation criteria: SAR ratio M2/M1 (%)	51.890108
ConvF	0.69
Relative permittivity	41.39
Conductivity (S/m)	1.37

Maximum location: X=28.00, Y=-31.00 ; SAR Peak: 0.76 W/kg

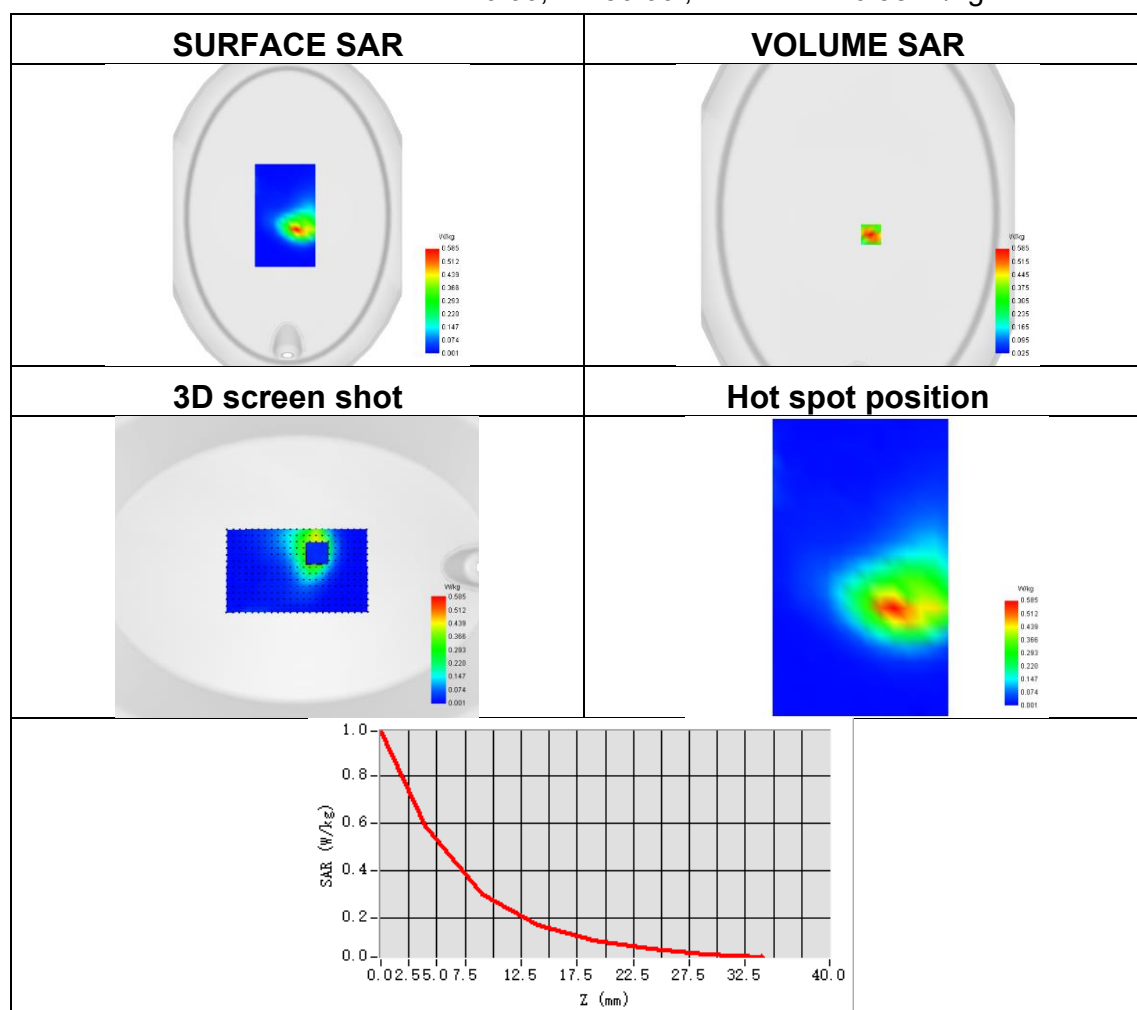




Plot 5:

Test Date	2026-07-20
Area Scan	dx=8mm dy=8mm
Zoom Scan	5x5x7, dx=8mm dy=8mm dz=5mm
Phantom	Validation plane
Device Position	Back Side
Band	Band 5 (850)
Signal	WCDMA
Frequency	826.4
SAR 10g (W/Kg)	0.283
SAR 1g (W/Kg)	0.560
Horizontal validation criteria: minimum distance (mm)	17.888544
Vertical validation criteria: SAR ratio M2/M1 (%)	50.816705
ConvF	0.69
Relative permittivity	42.92
Conductivity (S/m)	0.89

Maximum location: X=20.00, Y=-30.00 ; SAR Peak: 0.98 W/kg

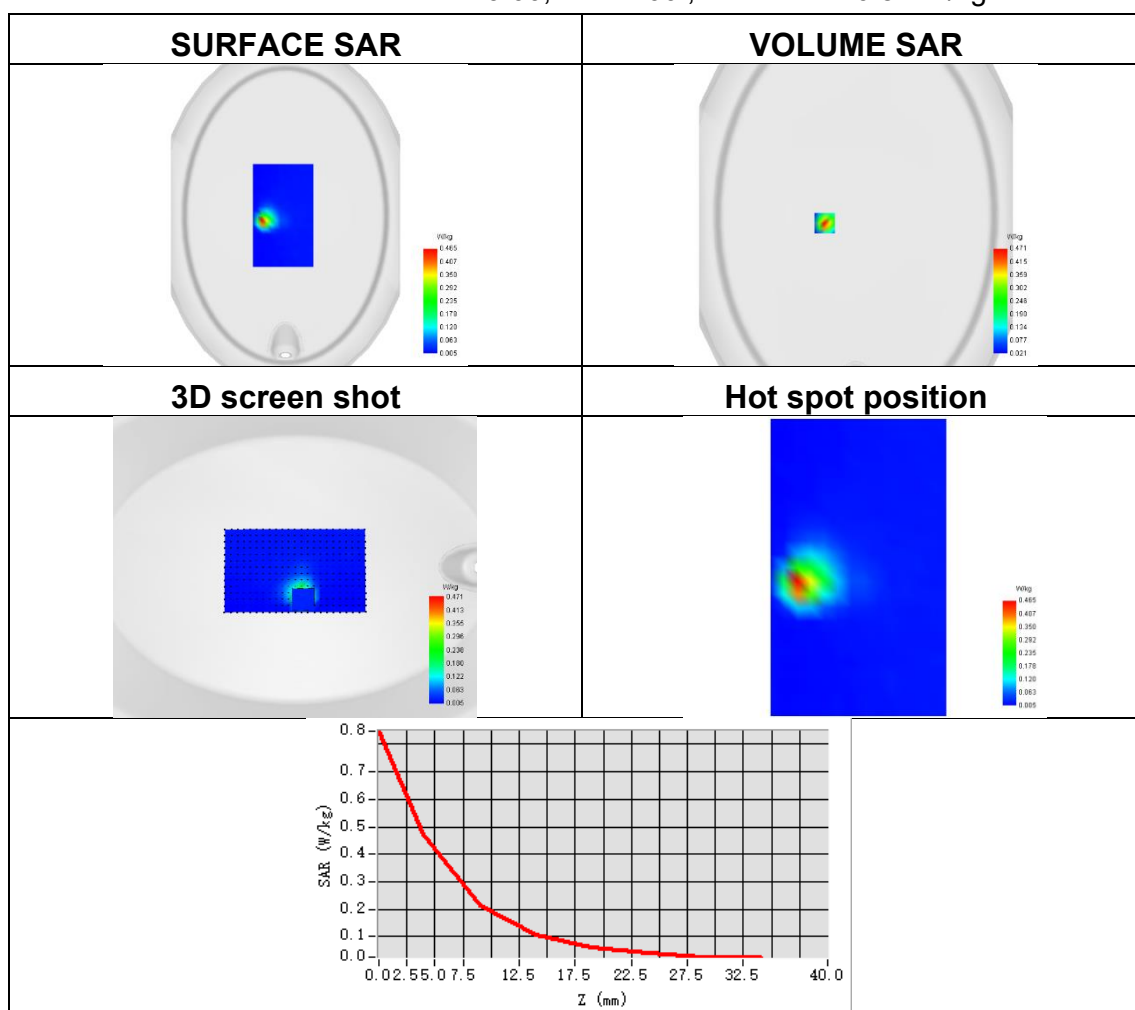




Plot 6:

Test Date	2026-07-17
Area Scan	dx=8mm dy=8mm
Zoom Scan	5x5x7, dx=8mm dy=8mm dz=5mm
Phantom	Validation plane
Device Position	Back Side
Band	ISM
Signal	IEEE 802.11b
Frequency	2437
SAR 10g (W/Kg)	0.194
SAR 1g (W/Kg)	0.442
Horizontal validation criteria: minimum distance (mm)	11.313708
Vertical validation criteria: SAR ratio M2/M1 (%)	45.294182
ConvF	1.03
Relative permittivity	39.94
Conductivity (S/m)	1.82

Maximum location: X=-49.00, Y=-12.00 ; SAR Peak: 0.84 W/kg

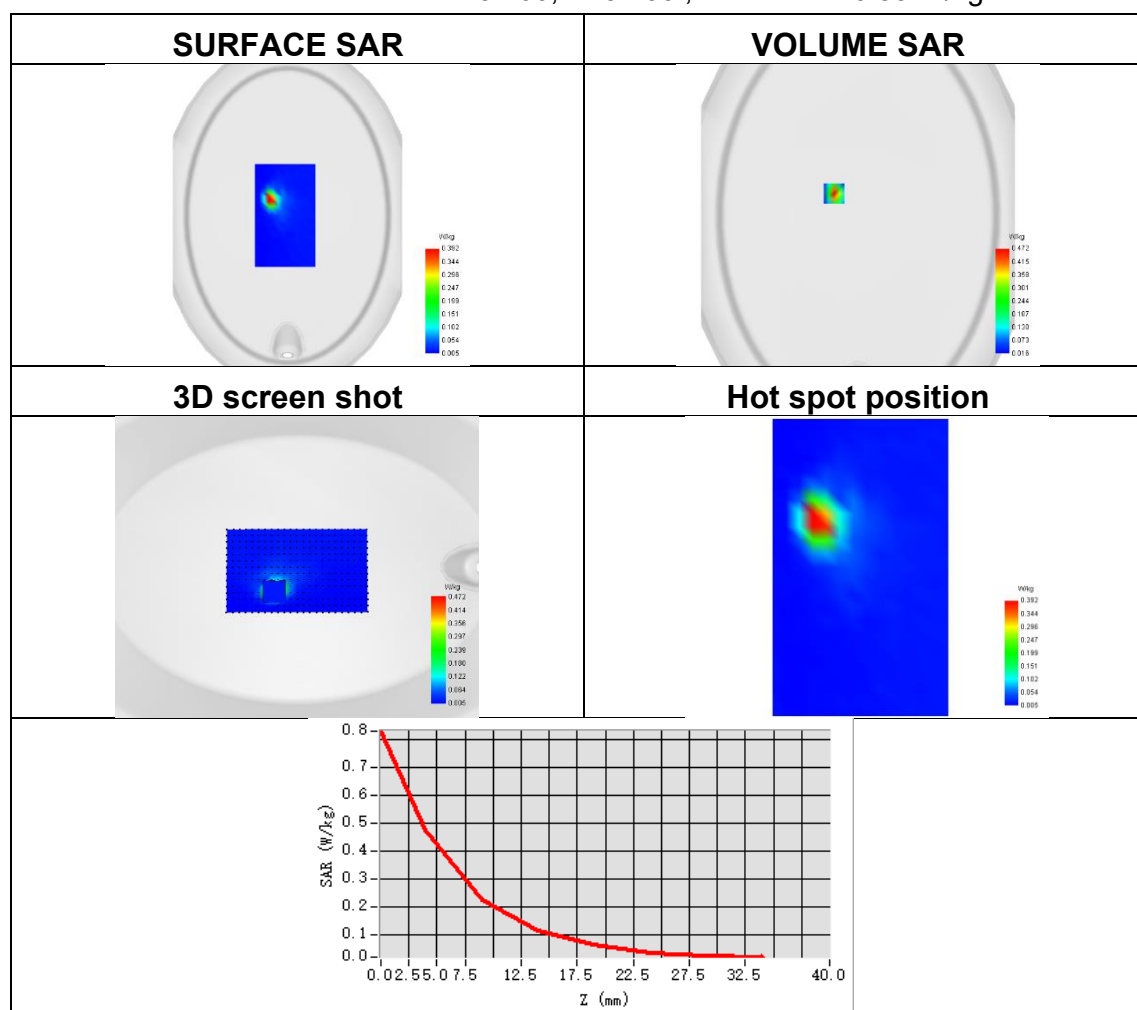




Plot 7:

Test Date	2026-07-17
Area Scan	dx=8mm dy=8mm
Zoom Scan	5x5x7, dx=8mm dy=8mm dz=5mm
Phantom	Validation plane
Device Position	Back Side
Band	ISM
Signal	IEEE 802.11b
Frequency	2412
SAR 10g (W/Kg)	0.190
SAR 1g (W/Kg)	0.436
Horizontal validation criteria: minimum distance (mm)	11.313708
Vertical validation criteria: SAR ratio M2/M1 (%)	47.085847
ConvF	1.03
Relative permittivity	40.19
Conductivity (S/m)	1.74

Maximum location: X=-37.00, Y=34.00 ; SAR Peak: 0.83 W/kg

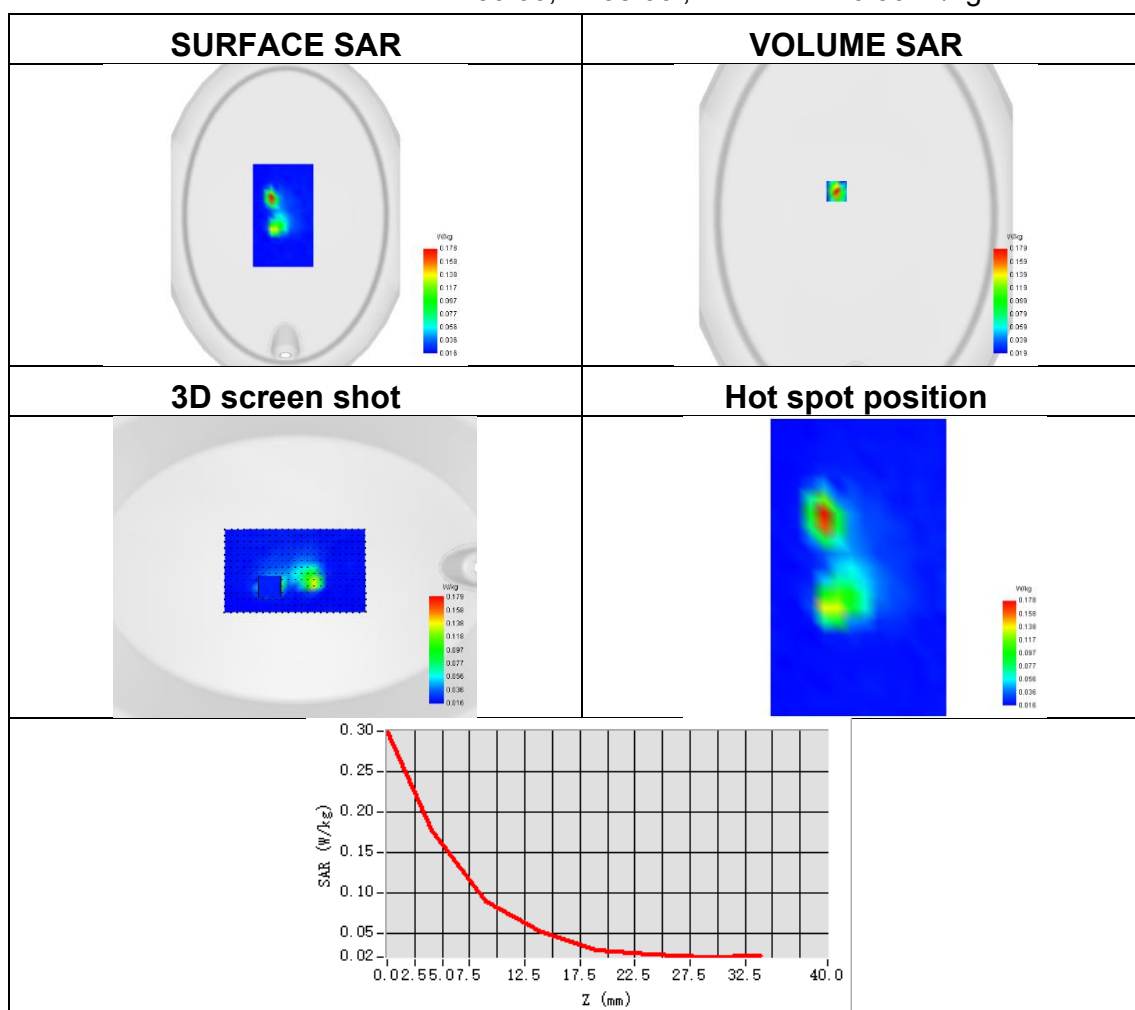




Plot 8:

Test Date	2026-07-17
Area Scan	dx=8mm dy=8mm
Zoom Scan	5x5x7, dx=8mm dy=8mm dz=5mm
Phantom	Validation plane
Device Position	Back Side
Band	ISM
Signal	IEEE 802.11n
Frequency	2412
SAR 10g (W/Kg)	0.076
SAR 1g (W/Kg)	0.161
Horizontal validation criteria: minimum distance (mm)	11.313708
Vertical validation criteria: SAR ratio M2/M1 (%)	50.211378
ConvF	1.03
Relative permittivity	40.19
Conductivity (S/m)	1.74

Maximum location: X=-30.00, Y=38.00 ; SAR Peak: 0.30 W/kg

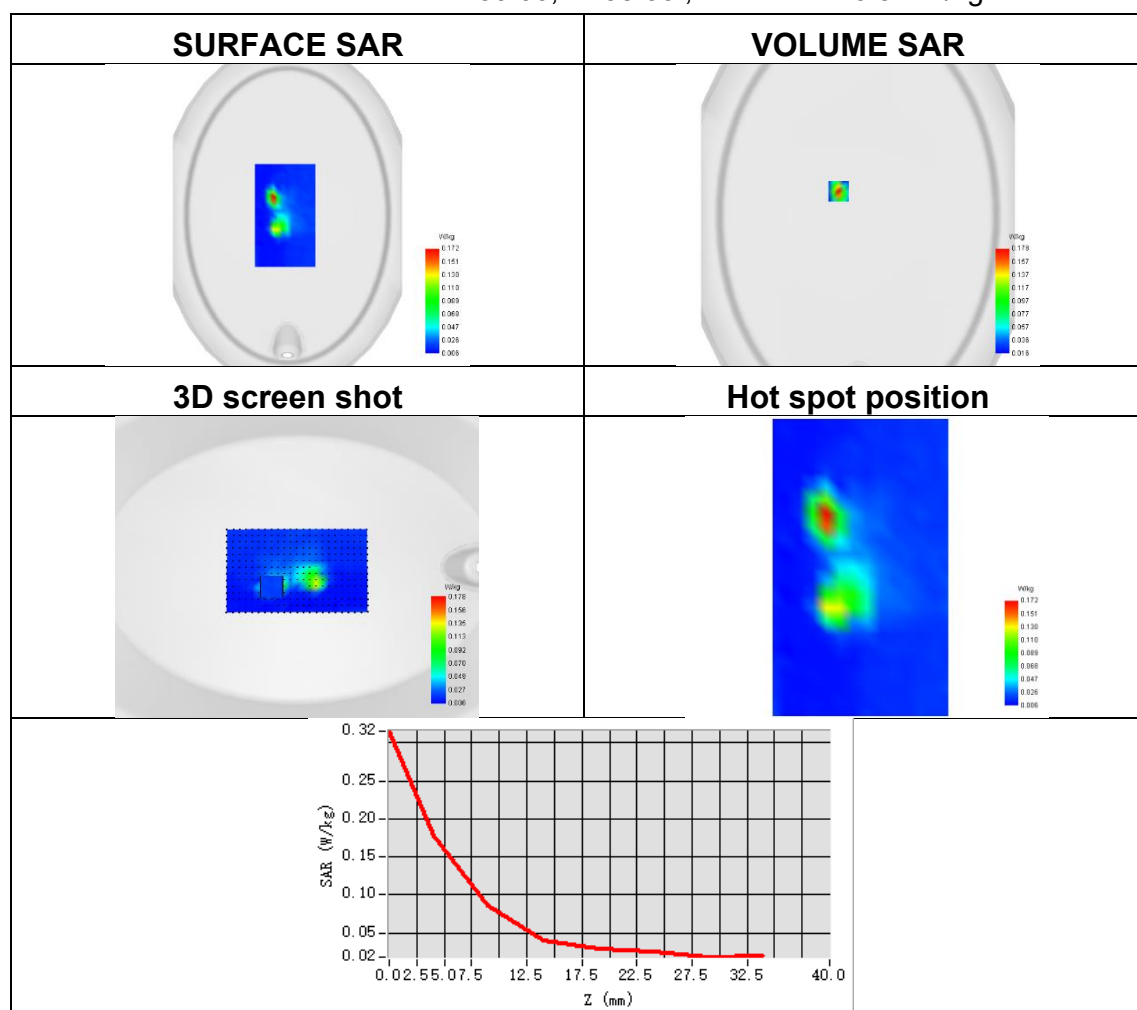




Plot 9:

Test Date	2026-07-17
Area Scan	dx=8mm dy=8mm
Zoom Scan	5x5x7, dx=8mm dy=8mm dz=5mm
Phantom	Validation plane
Device Position	Back Side
Band	ISM
Signal	IEEE 802.11n
Frequency	2412
SAR 10g (W/Kg)	0.074
SAR 1g (W/Kg)	0.161
Horizontal validation criteria: minimum distance (mm)	11.313708
Vertical validation criteria: SAR ratio M2/M1 (%)	48.280291
ConvF	1.03
Relative permittivity	40.19
Conductivity (S/m)	1.74

Maximum location: X=-30.00, Y=38.00 ; SAR Peak: 0.31 W/kg

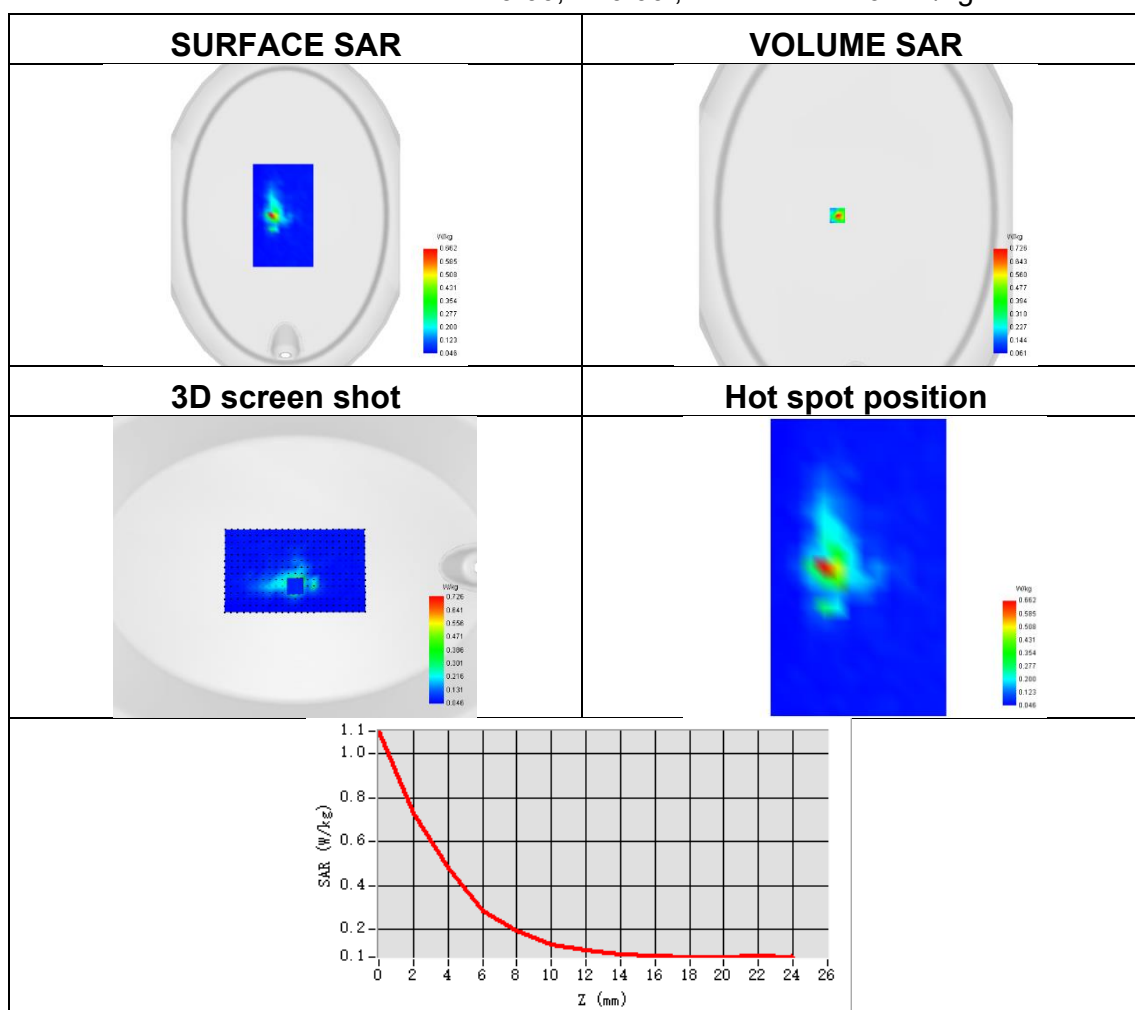




Plot 10:

Test Date	2026-07-19
Area Scan	dx=8mm dy=8mm
Zoom Scan	7x7x12,dx=4mm dy=4mm dz=2mm
Phantom	Validation plane
Device Position	Back Side
Band	U-NII-1
Signal	IEEE 802.11a
Frequency	5200
SAR 10g (W/Kg)	0.166
SAR 1g (W/Kg)	0.416
Horizontal validation criteria: minimum distance (mm)	5.656854
Vertical validation criteria: SAR ratio M2/M1 (%)	66.043558
ConvF	1.08
Relative permittivity	35.78
Conductivity (S/m)	4.67

Maximum location: X=-29.00, Y=0.00 ; SAR Peak: 1.04 W/kg

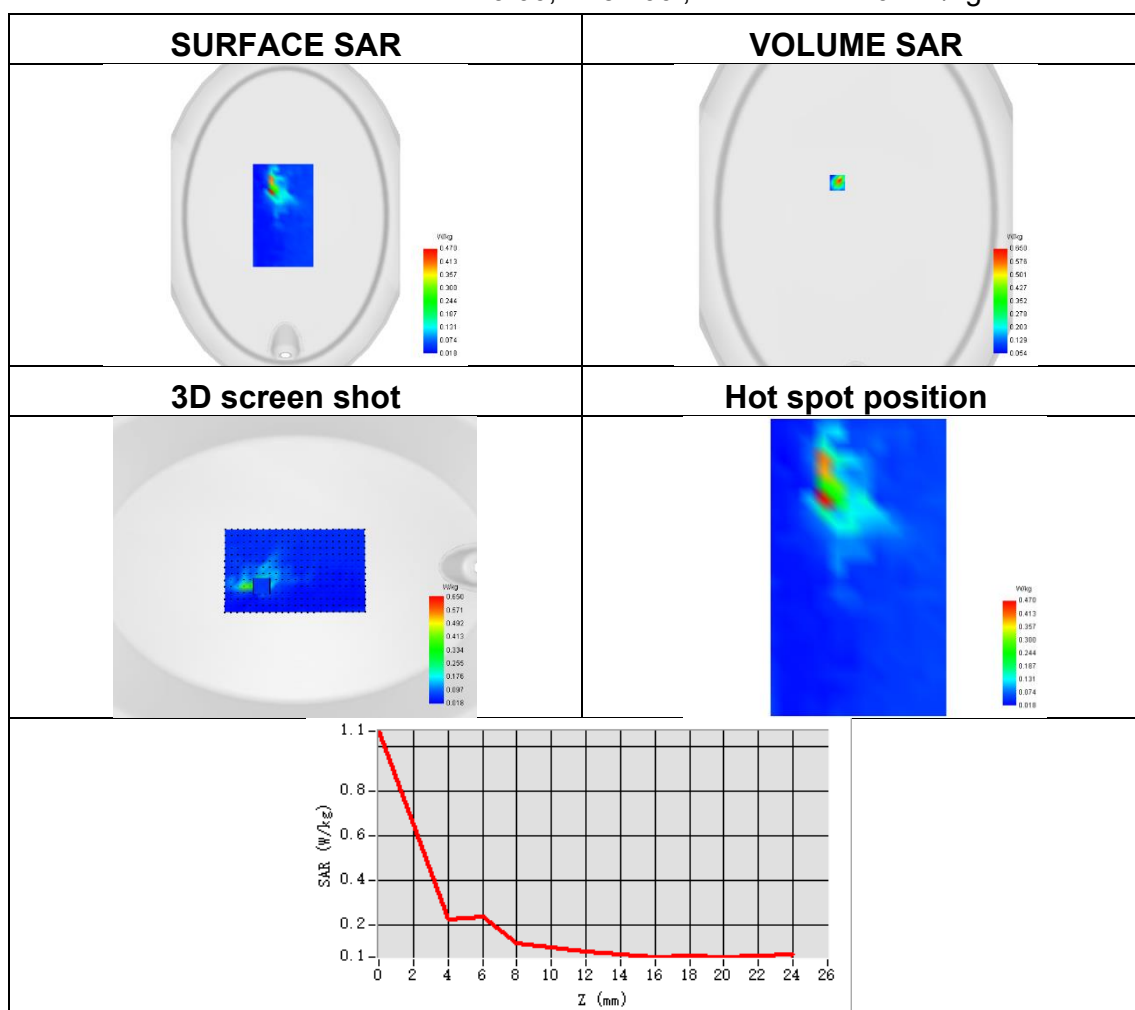




Plot 11:

Test Date	2026-07-19
Area Scan	dx=8mm dy=8mm
Zoom Scan	7x7x12,dx=4mm dy=4mm dz=2mm
Phantom	Validation plane
Device Position	Back Side
Band	U-NII-1
Signal	IEEE 802.11a
Frequency	5180
SAR 10g (W/Kg)	0.127
SAR 1g (W/Kg)	0.351
Horizontal validation criteria: minimum distance (mm)	5.656854
Vertical validation criteria: SAR ratio M2/M1 (%)	60.476432
ConvF	1.08
Relative permittivity	37.01
Conductivity (S/m)	4.59

Maximum location: X=-29.00, Y=51.00 ; SAR Peak: 1.04 W/kg

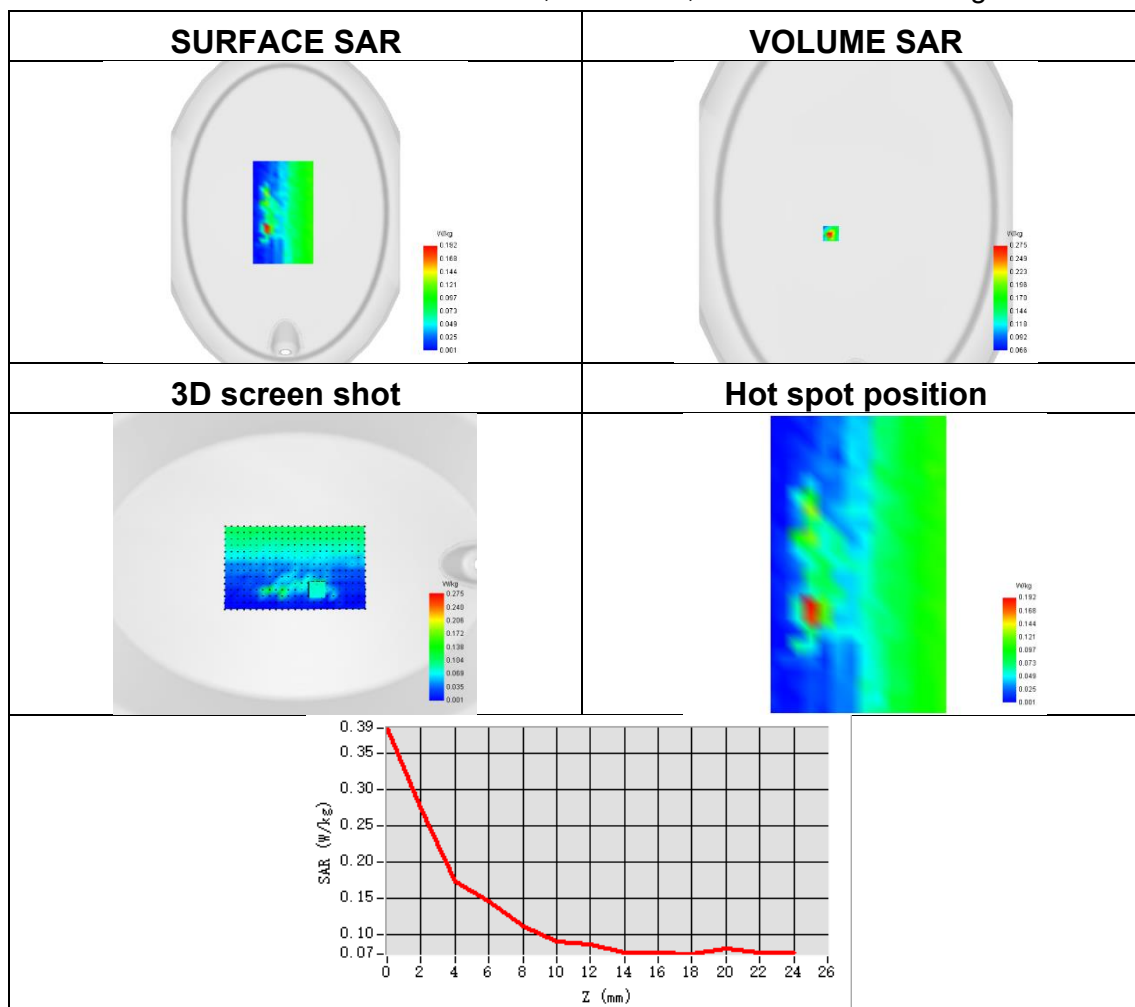




Plot 12:

Test Date	2026-07-19
Area Scan	dx=8mm dy=8mm
Zoom Scan	7x7x12,dx=4mm dy=4mm dz=2mm
Phantom	Validation plane
Device Position	Back Side
Band	U-NII-1
Signal	IEEE 802.11n
Frequency	5230
SAR 10g (W/Kg)	0.093
SAR 1g (W/Kg)	0.190
Horizontal validation criteria: minimum distance (mm)	5.656854
Vertical validation criteria: SAR ratio M2/M1 (%)	68.948961
ConvF	1.08
Relative permittivity	36.71
Conductivity (S/m)	4.67

Maximum location: X=-39.00, Y=-33.00 ; SAR Peak: 0.45 W/kg

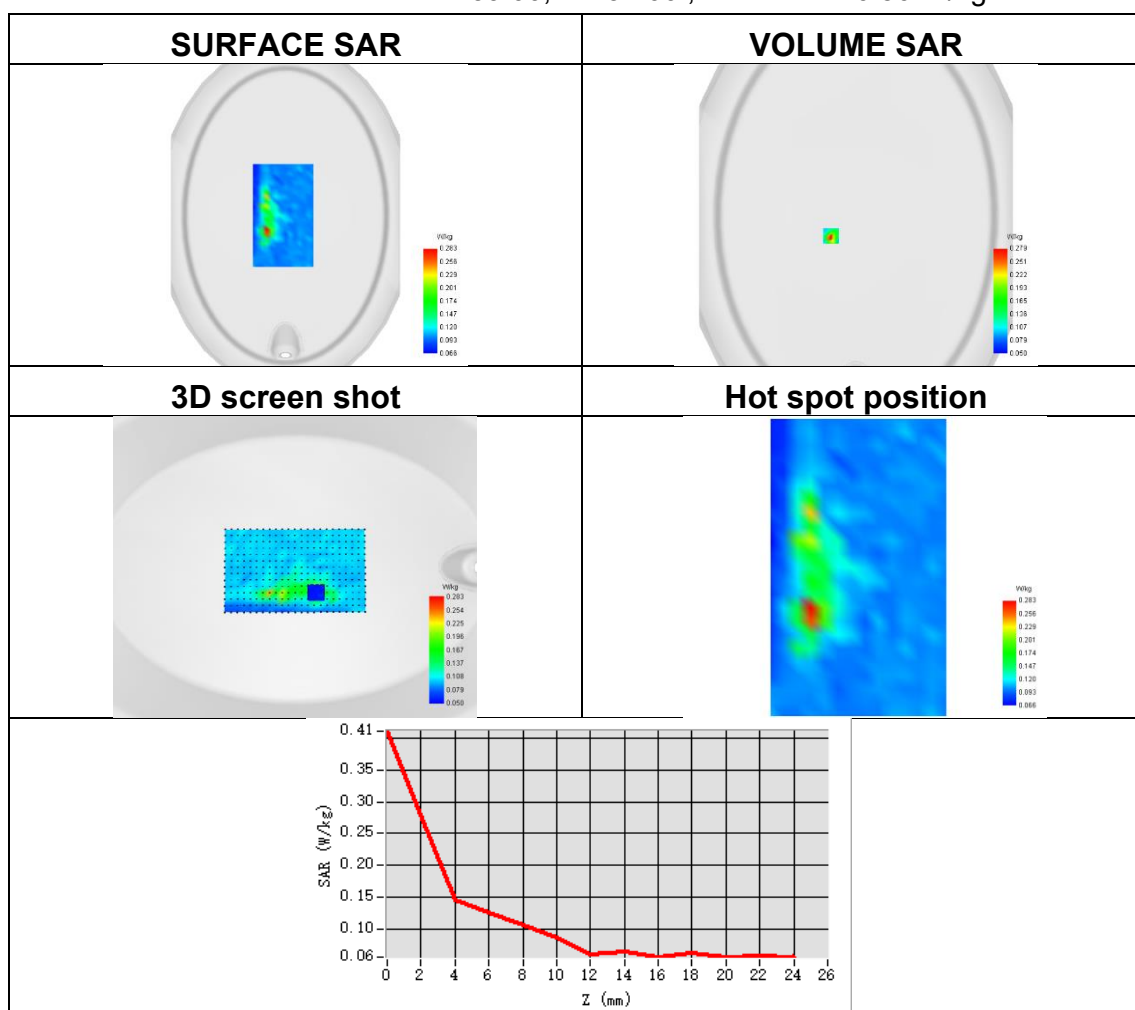




Plot 13:

Test Date	2026-07-19
Area Scan	dx=8mm dy=8mm
Zoom Scan	7x7x12,dx=4mm dy=4mm dz=2mm
Phantom	Validation plane
Device Position	Back Side
Band	U-NII-1
Signal	IEEE 802.11n
Frequency	5230
SAR 10g (W/Kg)	0.091
SAR 1g (W/Kg)	0.191
Horizontal validation criteria: minimum distance (mm)	8.944272
Vertical validation criteria: SAR ratio M2/M1 (%)	63.971390
ConvF	1.08
Relative permittivity	36.71
Conductivity (S/m)	4.67

Maximum location: X=-39.00, Y=-32.00 ; SAR Peak: 0.56 W/kg

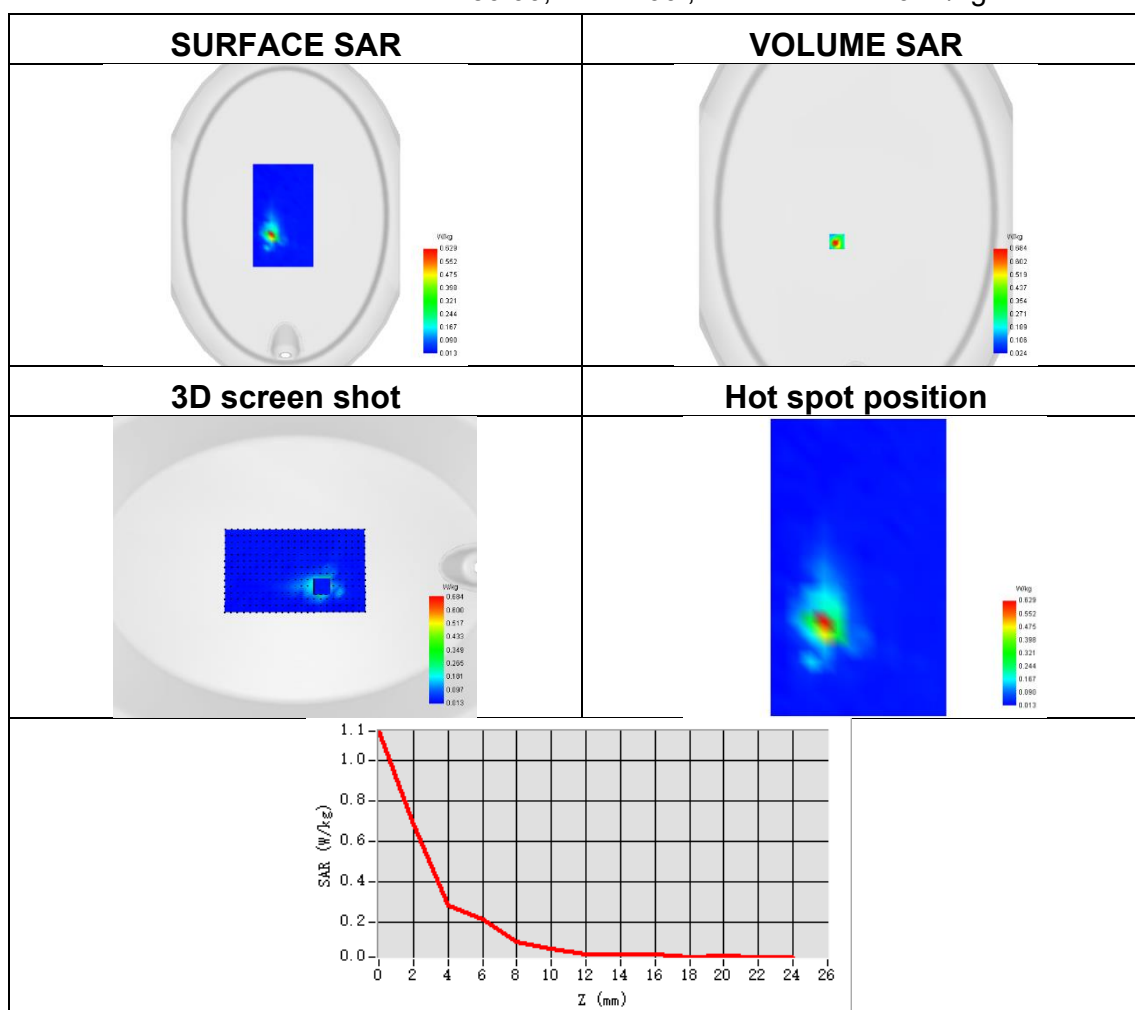




Plot 14:

Test Date	2026-07-19
Area Scan	dx=8mm dy=8mm
Zoom Scan	7x7x12,dx=4mm dy=4mm dz=2mm
Phantom	Validation plane
Device Position	Back Side
Band	U-NII-2A
Signal	IEEE 802.11a
Frequency	5260
SAR 10g (W/Kg)	0.137
SAR 1g (W/Kg)	0.398
Horizontal validation criteria: minimum distance (mm)	5.656854
Vertical validation criteria: SAR ratio M2/M1 (%)	55.448129
ConvF	1.16
Relative permittivity	36.06
Conductivity (S/m)	4.73

Maximum location: X=-30.00, Y=-41.00 ; SAR Peak: 1.20 W/kg

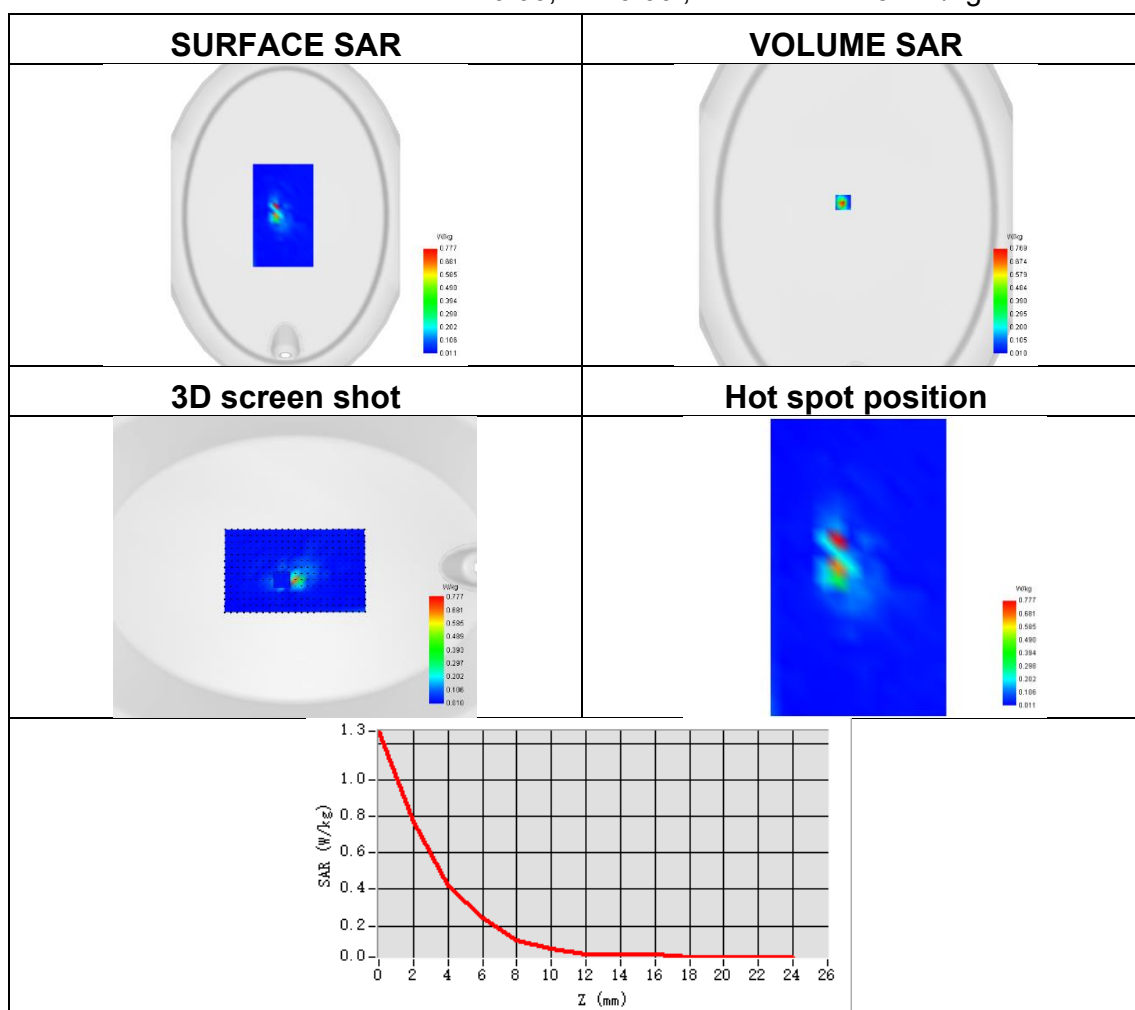




Plot 15:

Test Date	2026-07-19
Area Scan	dx=8mm dy=8mm
Zoom Scan	7x7x12,dx=4mm dy=4mm dz=2mm
Phantom	Validation plane
Device Position	Back Side
Band	U-NII-2A
Signal	IEEE 802.11a
Frequency	5260
SAR 10g (W/Kg)	0.109
SAR 1g (W/Kg)	0.402
Horizontal validation criteria: minimum distance (mm)	5.656854
Vertical validation criteria: SAR ratio M2/M1 (%)	54.017908
ConvF	1.16
Relative permittivity	36.06
Conductivity (S/m)	4.73

Maximum location: X=-20.00, Y=20.00 ; SAR Peak: 1.32 W/kg

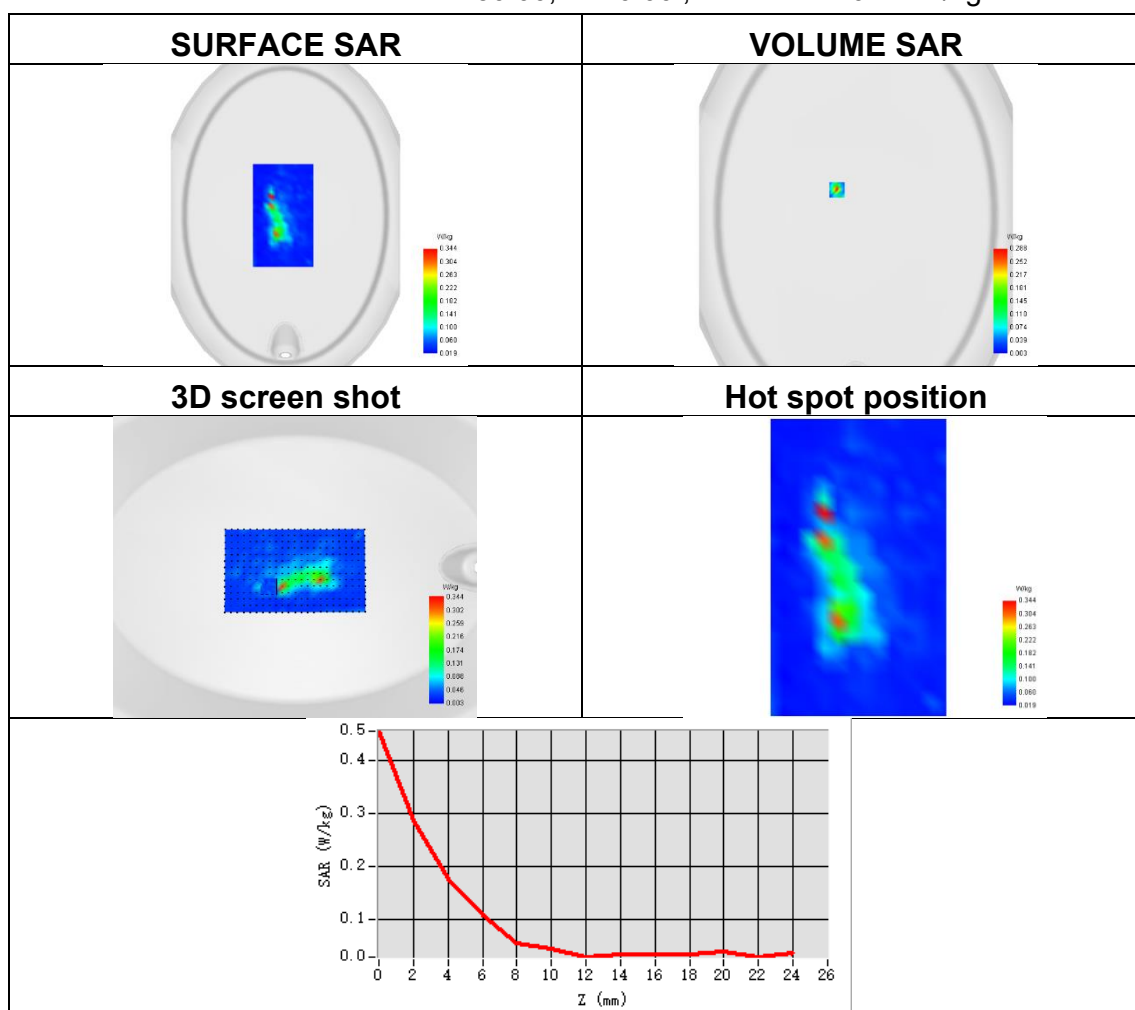




Plot 16:

Test Date	2026-07-19
Area Scan	dx=8mm dy=8mm
Zoom Scan	7x7x12,dx=4mm dy=4mm dz=2mm
Phantom	Validation plane
Device Position	Back Side
Band	U-NII-2A
Signal	IEEE 802.11n
Frequency	5270
SAR 10g (W/Kg)	0.051
SAR 1g (W/Kg)	0.134
Horizontal validation criteria: minimum distance (mm)	5.656854
Vertical validation criteria: SAR ratio M2/M1 (%)	61.552750
ConvF	1.16
Relative permittivity	36.37
Conductivity (S/m)	4.77

Maximum location: X=-30.00, Y=40.00 ; SAR Peak: 0.47 W/kg

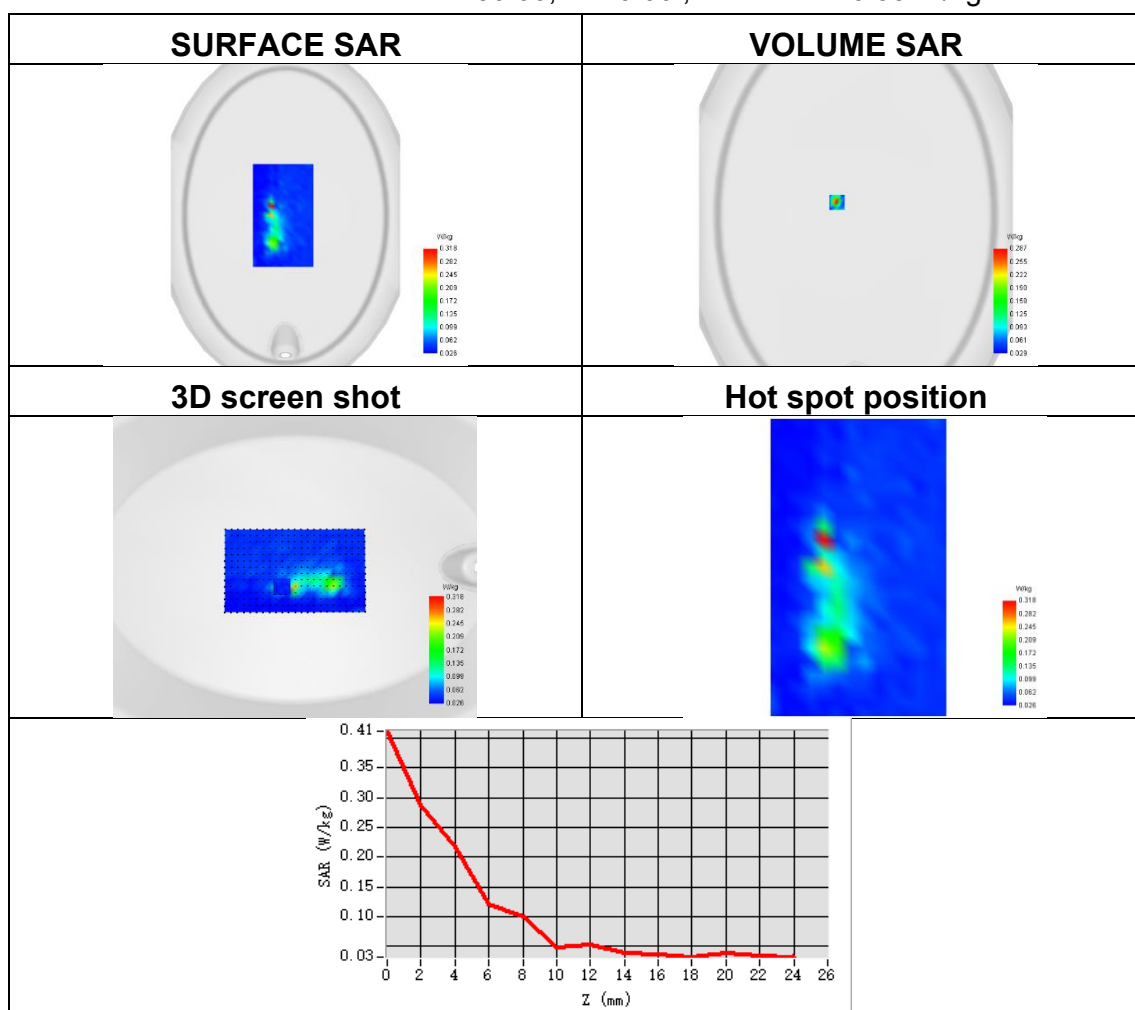




Plot 17:

Test Date	2026-07-19
Area Scan	dx=8mm dy=8mm
Zoom Scan	7x7x12,dx=4mm dy=4mm dz=2mm
Phantom	Validation plane
Device Position	Back Side
Band	U-NII-2A
Signal	IEEE 802.11n
Frequency	5270
SAR 10g (W/Kg)	0.054
SAR 1g (W/Kg)	0.142
Horizontal validation criteria: minimum distance (mm)	5.656854
Vertical validation criteria: SAR ratio M2/M1 (%)	75.893998
ConvF	1.16
Relative permittivity	36.37
Conductivity (S/m)	4.77

Maximum location: X=-30.00, Y=20.00 ; SAR Peak: 0.35 W/kg

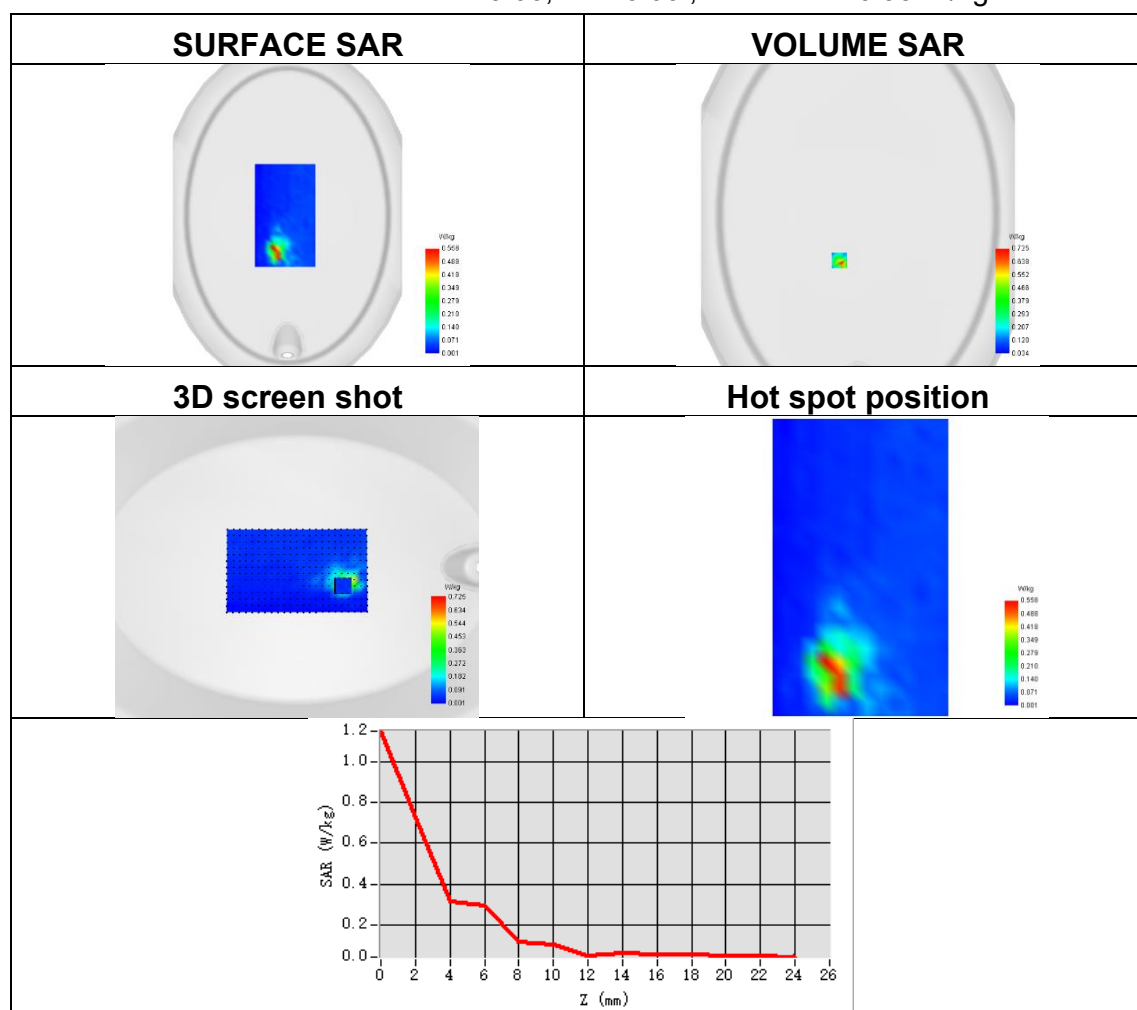




Plot 18:

Test Date	2026-07-29
Area Scan	dx=8mm dy=8mm
Zoom Scan	7x7x12,dx=4mm dy=4mm dz=2mm
Phantom	Validation plane
Device Position	Back Side
Band	U-NII-2C
Signal	IEEE 802.11a
Frequency	5580
SAR 10g (W/Kg)	0.117
SAR 1g (W/Kg)	0.353
Horizontal validation criteria: minimum distance (mm)	8.000000
Vertical validation criteria: SAR ratio M2/M1 (%)	68.705812
ConvF	1.07
Relative permittivity	35.47
Conductivity (S/m)	5.07

Maximum location: X=-29.00, Y=-70.00 ; SAR Peak: 0.93 W/kg

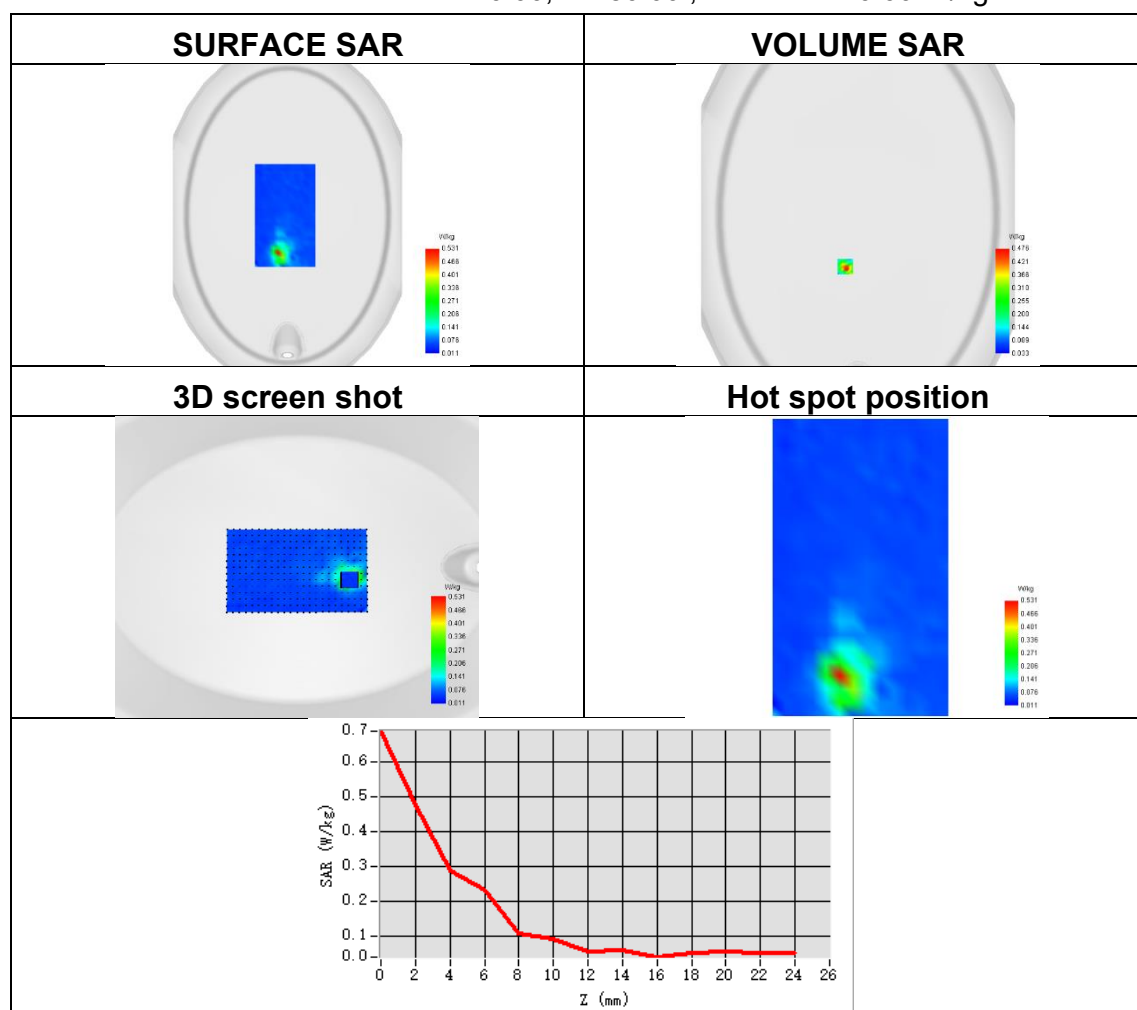




Plot 19:

Test Date	2026-07-29
Area Scan	dx=8mm dy=8mm
Zoom Scan	7x7x12,dx=4mm dy=4mm dz=2mm
Phantom	Validation plane
Device Position	Back Side
Band	U-NII-2C
Signal	IEEE 802.11a
Frequency	5580
SAR 10g (W/Kg)	0.103
SAR 1g (W/Kg)	0.261
Horizontal validation criteria: minimum distance (mm)	8.944272
Vertical validation criteria: SAR ratio M2/M1 (%)	78.099184
ConvF	1.07
Relative permittivity	35.47
Conductivity (S/m)	5.07

Maximum location: X=-20.00, Y=-80.00 ; SAR Peak: 0.60 W/kg

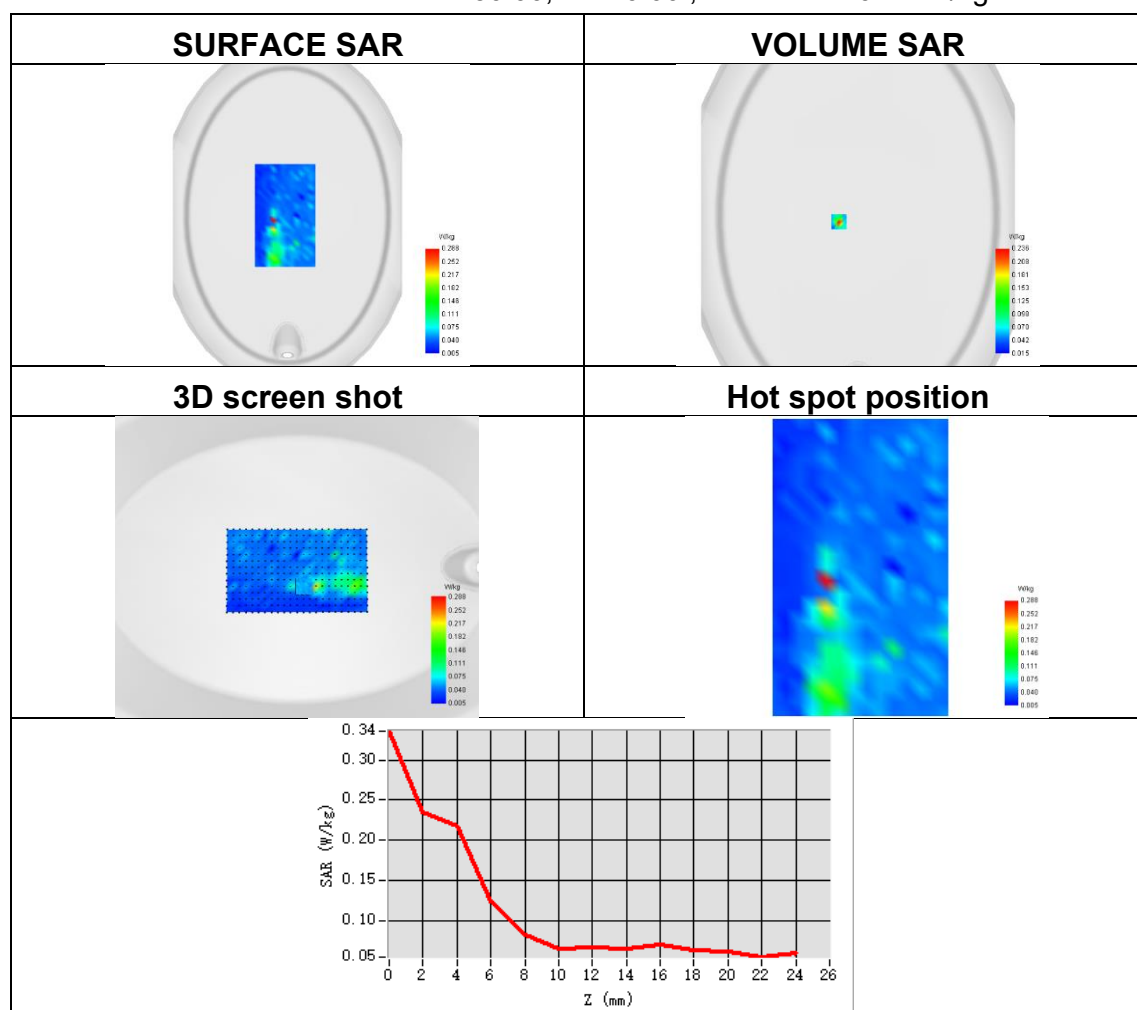




Plot 20:

Test Date	2026-07-29
Area Scan	dx=8mm dy=8mm
Zoom Scan	7x7x12,dx=4mm dy=4mm dz=2mm
Phantom	Validation plane
Device Position	Back Side
Band	U-NII-2C
Signal	IEEE 802.11n
Frequency	5670
SAR 10g (W/Kg)	0.061
SAR 1g (W/Kg)	0.120
Horizontal validation criteria: minimum distance (mm)	8.000000
Vertical validation criteria: SAR ratio M2/M1 (%)	92.278025
ConvF	1.07
Relative permittivity	35.81
Conductivity (S/m)	5.20

Maximum location: X=-30.00, Y=-10.00 ; SAR Peak: 0.27 W/kg

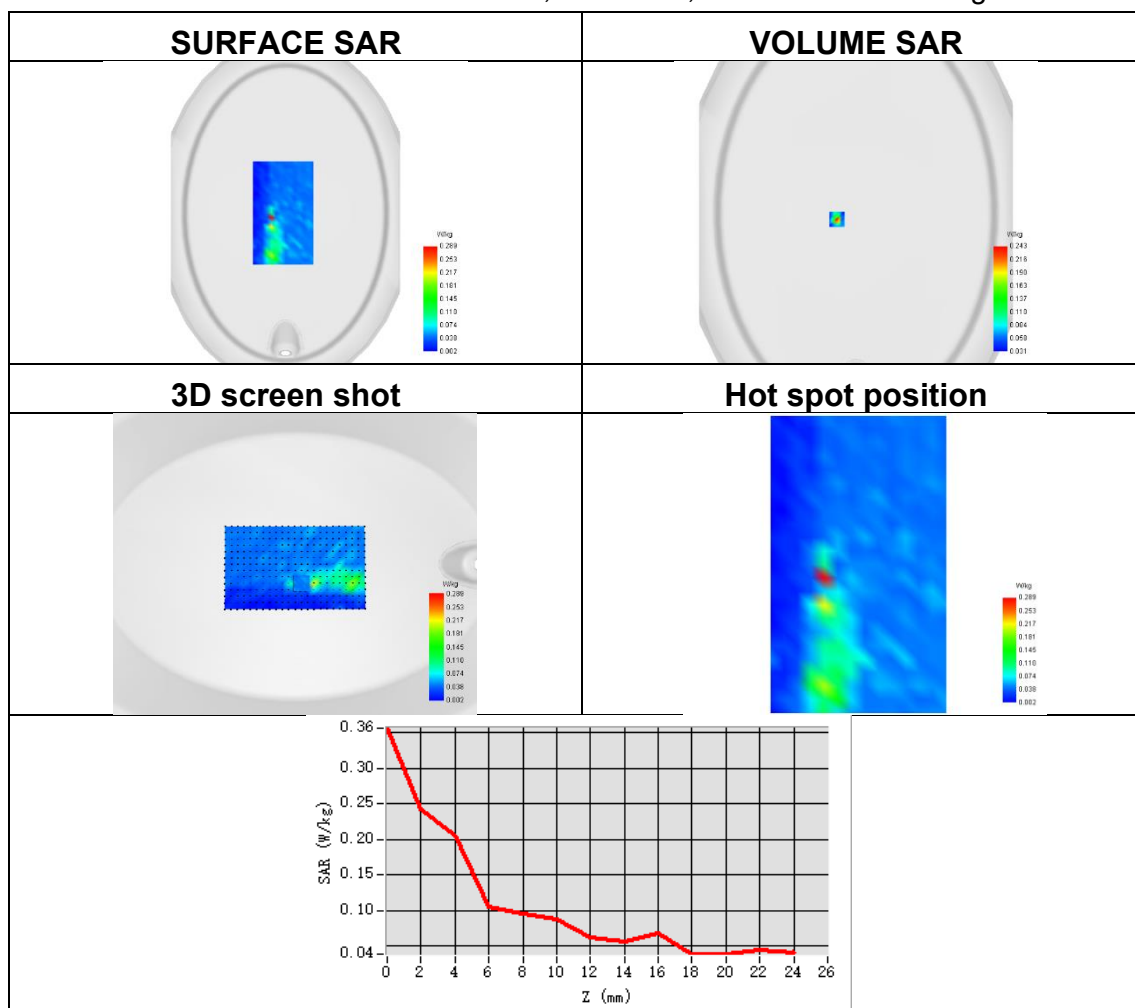




Plot 11:

Test Date	2026-07-29
Area Scan	dx=8mm dy=8mm
Zoom Scan	7x7x12,dx=4mm dy=4mm dz=2mm
Phantom	Validation plane
Device Position	Back Side
Band	U-NII-2C
Signal	IEEE 802.11n
Frequency	5670
SAR 10g (W/Kg)	0.055
SAR 1g (W/Kg)	0.118
Horizontal validation criteria: minimum distance (mm)	8.000000
Vertical validation criteria: SAR ratio M2/M1 (%)	84.356972
ConvF	1.07
Relative permittivity	35.81
Conductivity (S/m)	5.20

Maximum location: X=-30.00, Y=-10.00 ; SAR Peak: 0.26 W/kg

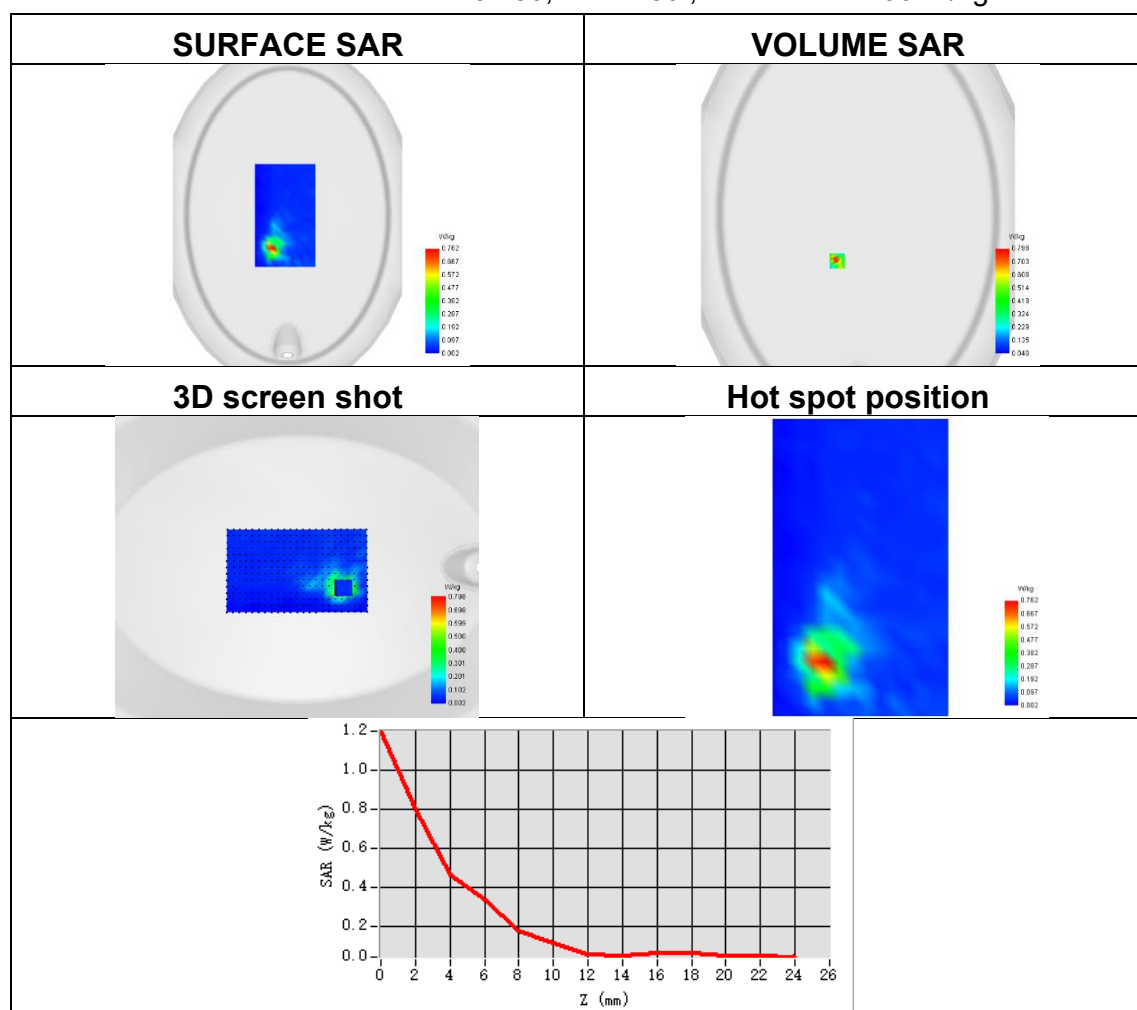




Plot 22:

Test Date	2026-07-29
Area Scan	dx=8mm dy=8mm
Zoom Scan	7x7x12,dx=4mm dy=4mm dz=2mm
Phantom	Validation plane
Device Position	Back Side
Band	U-NII-3
Signal	IEEE 802.11a
Frequency	5825
SAR 10g (W/Kg)	0.164
SAR 1g (W/Kg)	0.410
Horizontal validation criteria: minimum distance (mm)	5.656854
Vertical validation criteria: SAR ratio M2/M1 (%)	74.168265
ConvF	1.19
Relative permittivity	35.89
Conductivity (S/m)	5.28

Maximum location: X=-32.00, Y=-71.00 ; SAR Peak: 1.00 W/kg

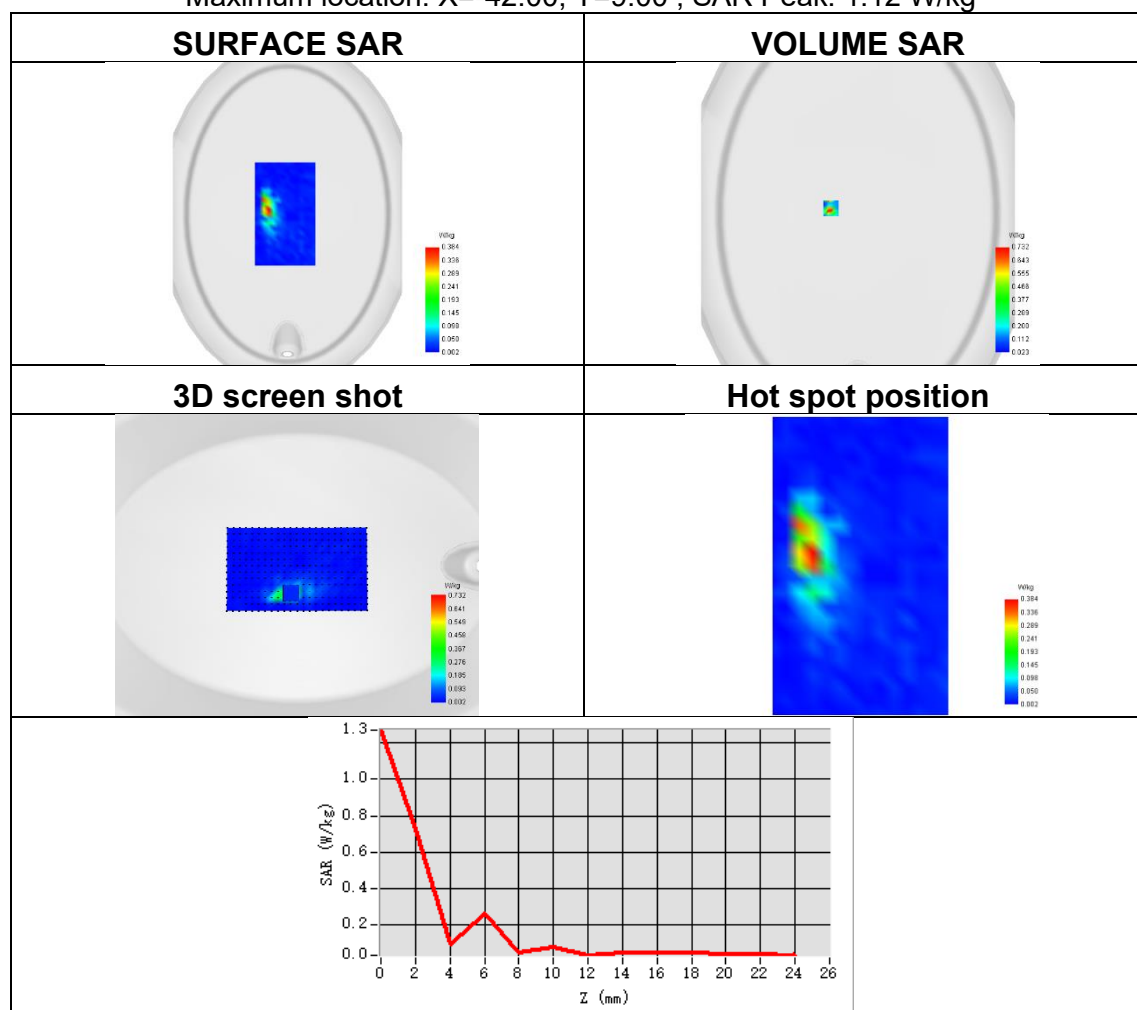




Plot 23:

Test Date	2026-07-29
Area Scan	dx=8mm dy=8mm
Zoom Scan	7x7x12,dx=4mm dy=4mm dz=2mm
Phantom	Validation plane
Device Position	Back Side
Band	U-NII-3
Signal	IEEE 802.11a
Frequency	5785
SAR 10g (W/Kg)	0.107
SAR 1g (W/Kg)	0.371
Horizontal validation criteria: minimum distance (mm)	5.656854
Vertical validation criteria: SAR ratio M2/M1 (%)	63.393750
ConvF	1.19
Relative permittivity	35.87
Conductivity (S/m)	5.24

Maximum location: X=-42.00, Y=9.00 ; SAR Peak: 1.12 W/kg

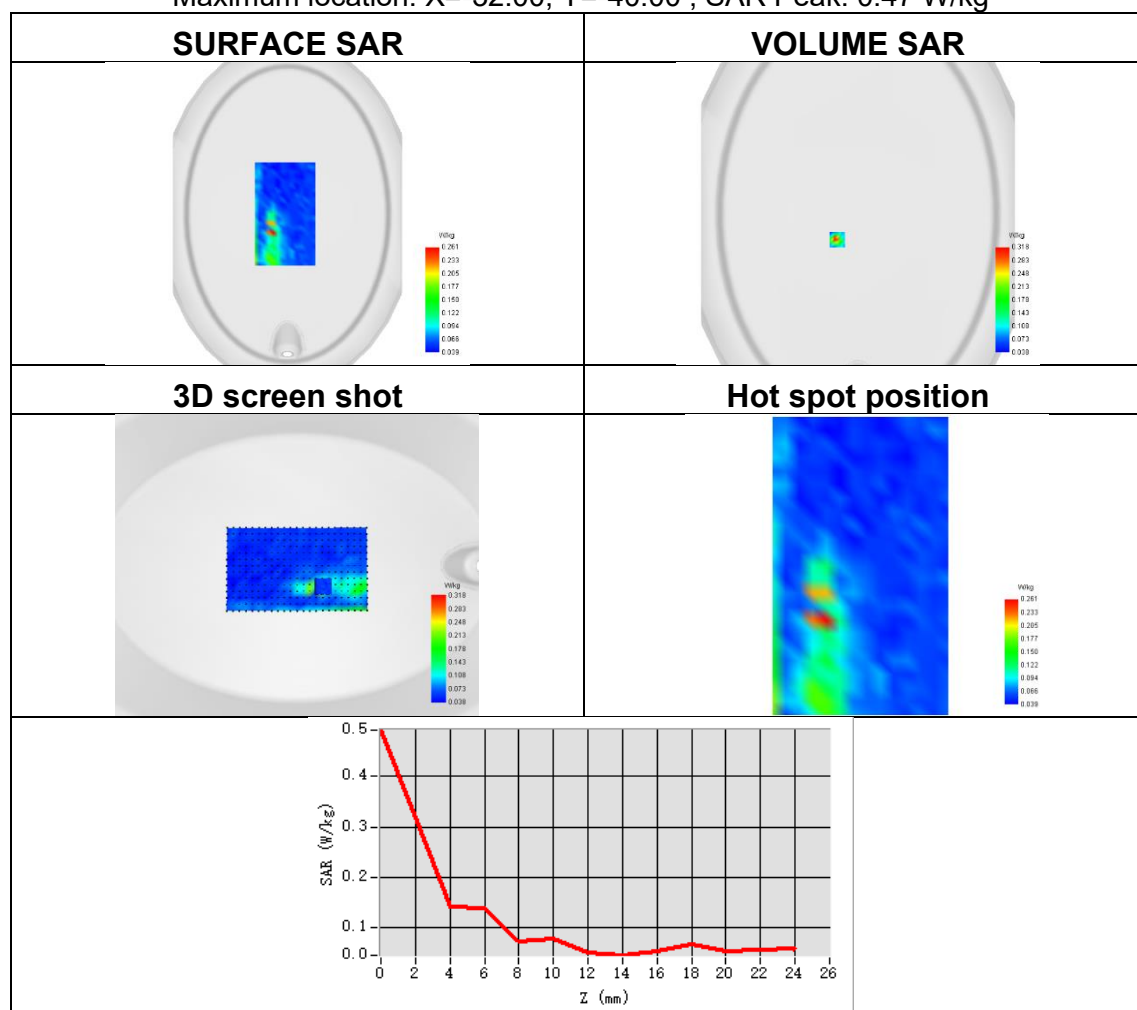




Plot 24:

Test Date	2026-07-29
Area Scan	dx=8mm dy=8mm
Zoom Scan	7x7x12,dx=4mm dy=4mm dz=2mm
Phantom	Validation plane
Device Position	Back Side
Band	U-NII-3
Signal	IEEE 802.11n
Frequency	5785
SAR 10g (W/Kg)	0.078
SAR 1g (W/Kg)	0.178
Horizontal validation criteria: minimum distance (mm)	8.000000
Vertical validation criteria: SAR ratio M2/M1 (%)	69.994530
ConvF	1.19
Relative permittivity	35.87
Conductivity (S/m)	5.24

Maximum location: X=-32.00, Y=-40.00 ; SAR Peak: 0.47 W/kg

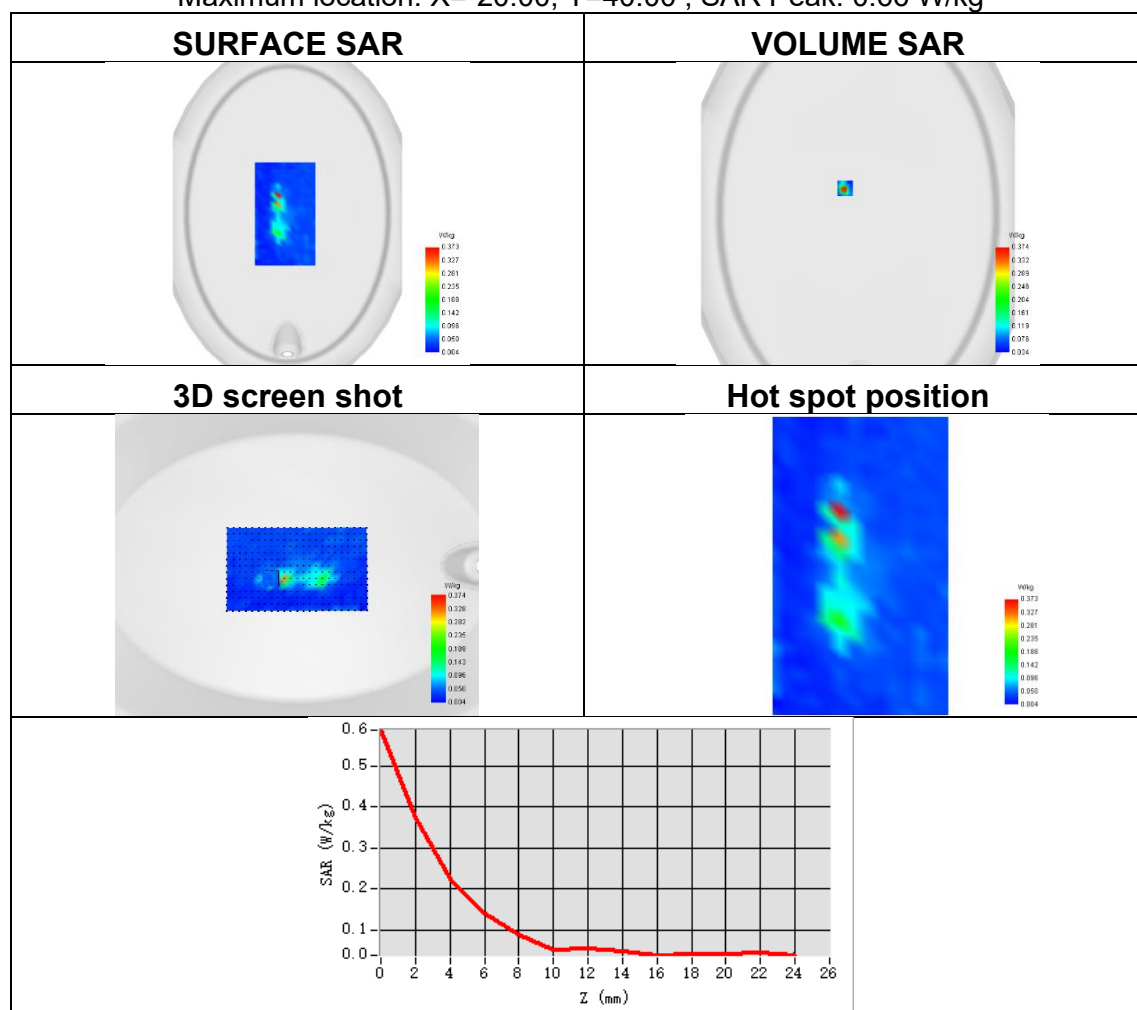




Plot 25:

Test Date	2026-07-29
Area Scan	dx=8mm dy=8mm
Zoom Scan	7x7x12,dx=4mm dy=4mm dz=2mm
Phantom	Validation plane
Device Position	Back Side
Band	U-NII-3
Signal	IEEE 802.11n
Frequency	5785
SAR 10g (W/Kg)	0.065
SAR 1g (W/Kg)	0.199
Horizontal validation criteria: minimum distance (mm)	8.000000
Vertical validation criteria: SAR ratio M2/M1 (%)	59.677401
ConvF	1.19
Relative permittivity	36.25
Conductivity (S/m)	5.24

Maximum location: X=-20.00, Y=40.00 ; SAR Peak: 0.66 W/kg

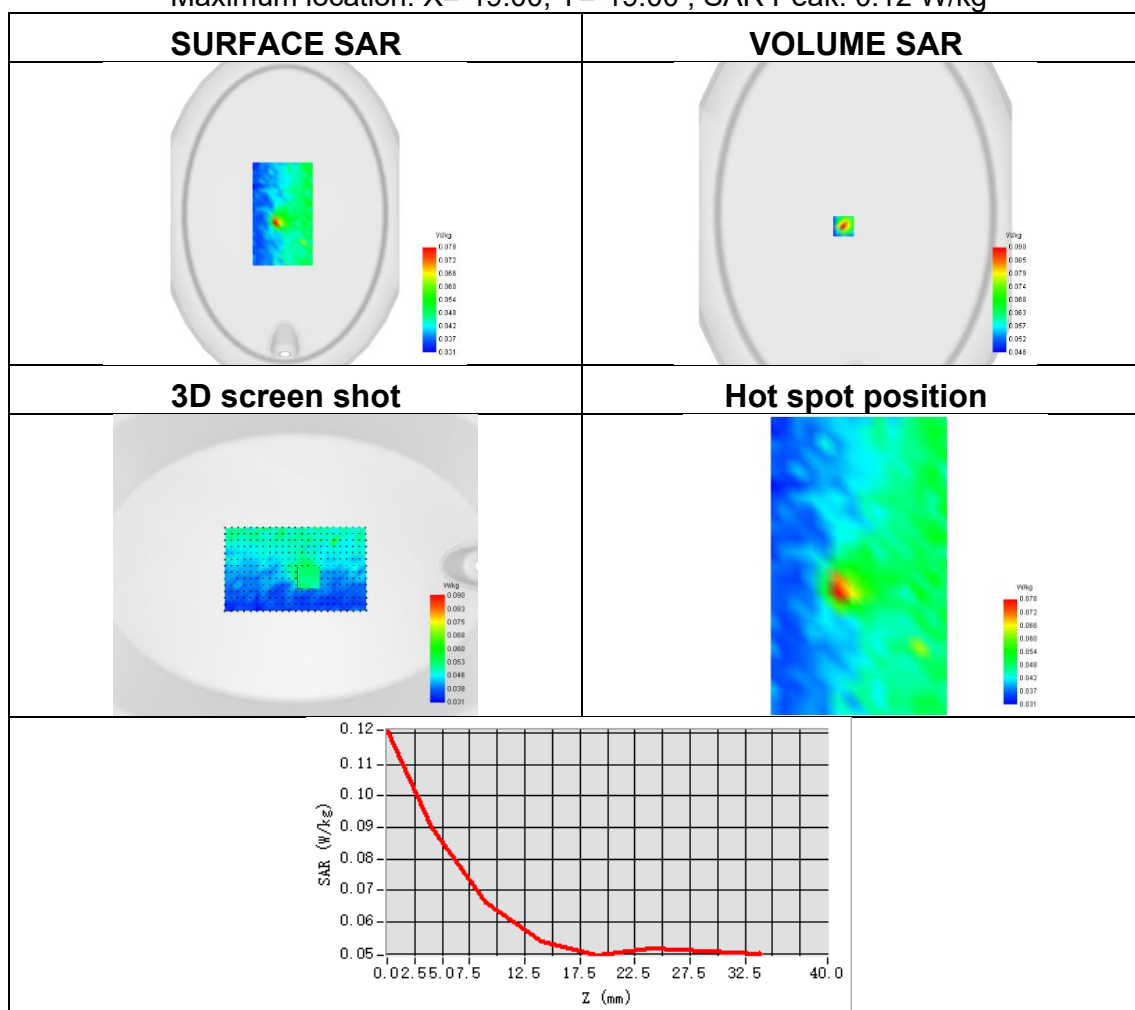




Plot 26:

Test Date	2026-07-17
Area Scan	dx=8mm dy=8mm
Zoom Scan	5x5x7, dx=8mm dy=8mm dz=5mm
Phantom	Validation plane
Device Position	Back Side
Band	Bluetooth
Signal	Bluetooth
Frequency	2441
SAR 10g (W/Kg)	0.061
SAR 1g (W/Kg)	0.085
Horizontal validation criteria: minimum distance (mm)	16.000000
Vertical validation criteria: SAR ratio M2/M1 (%)	73.594007
ConvF	1.03
Relative permittivity	39.92
Conductivity (S/m)	1.78

Maximum location: X=-19.00, Y=-19.00 ; SAR Peak: 0.12 W/kg

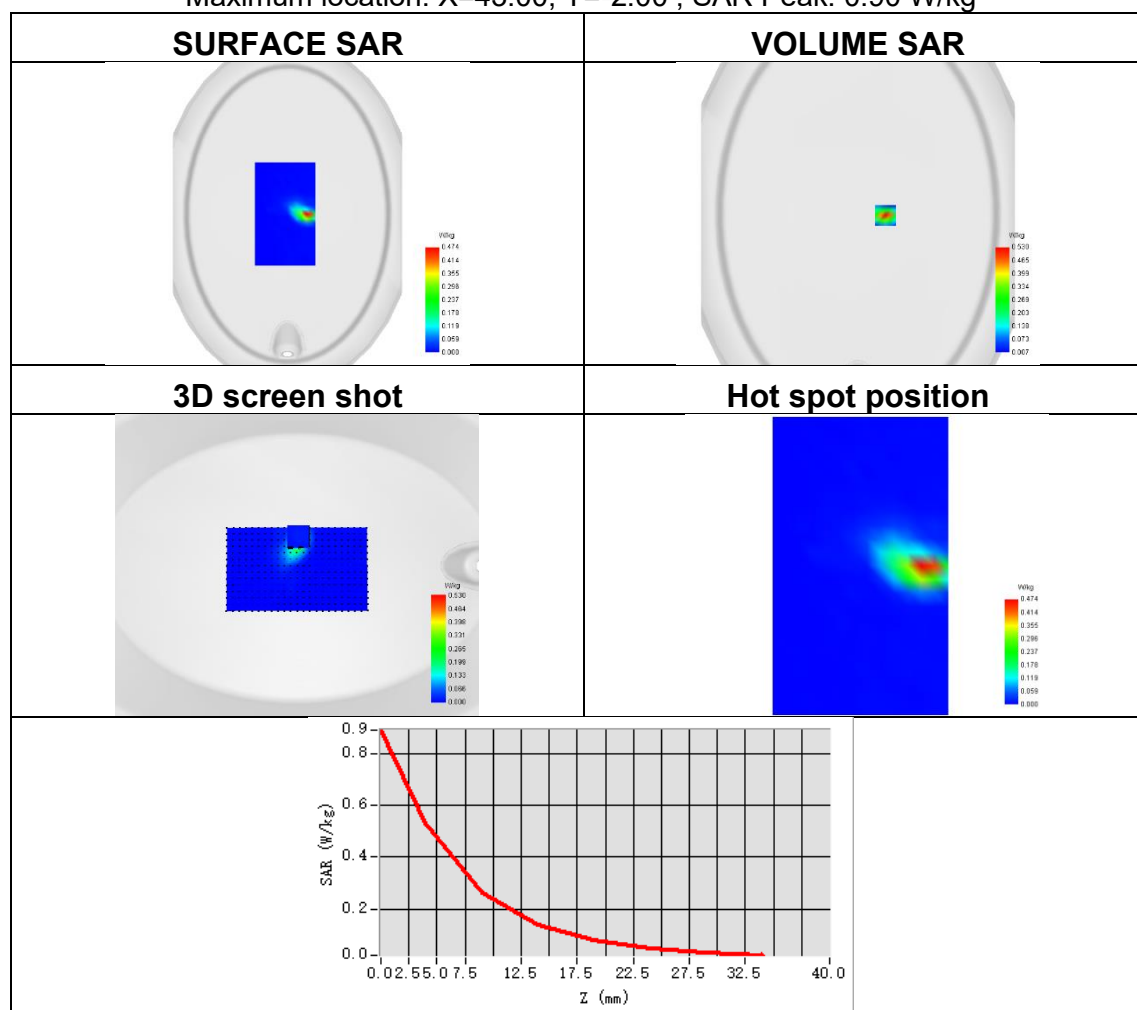




Plot 27:

Test Date	2026-08-02
Area Scan	dx=8mm dy=8mm
Zoom Scan	5x5x7, dx=8mm dy=8mm dz=5mm
Phantom	Validation plane
Device Position	Back Side
Band	LTE band 2
Signal	LTE FDD
Frequency	1900
SAR 10g (W/Kg)	0.208
SAR 1g (W/Kg)	0.471
Horizontal validation criteria: minimum distance (mm)	16.000000
Vertical validation criteria: SAR ratio M2/M1 (%)	49.698646
ConvF	0.90
Relative permittivity	41.00
Conductivity (S/m)	1.38

Maximum location: X=43.00, Y=-2.00 ; SAR Peak: 0.90 W/kg

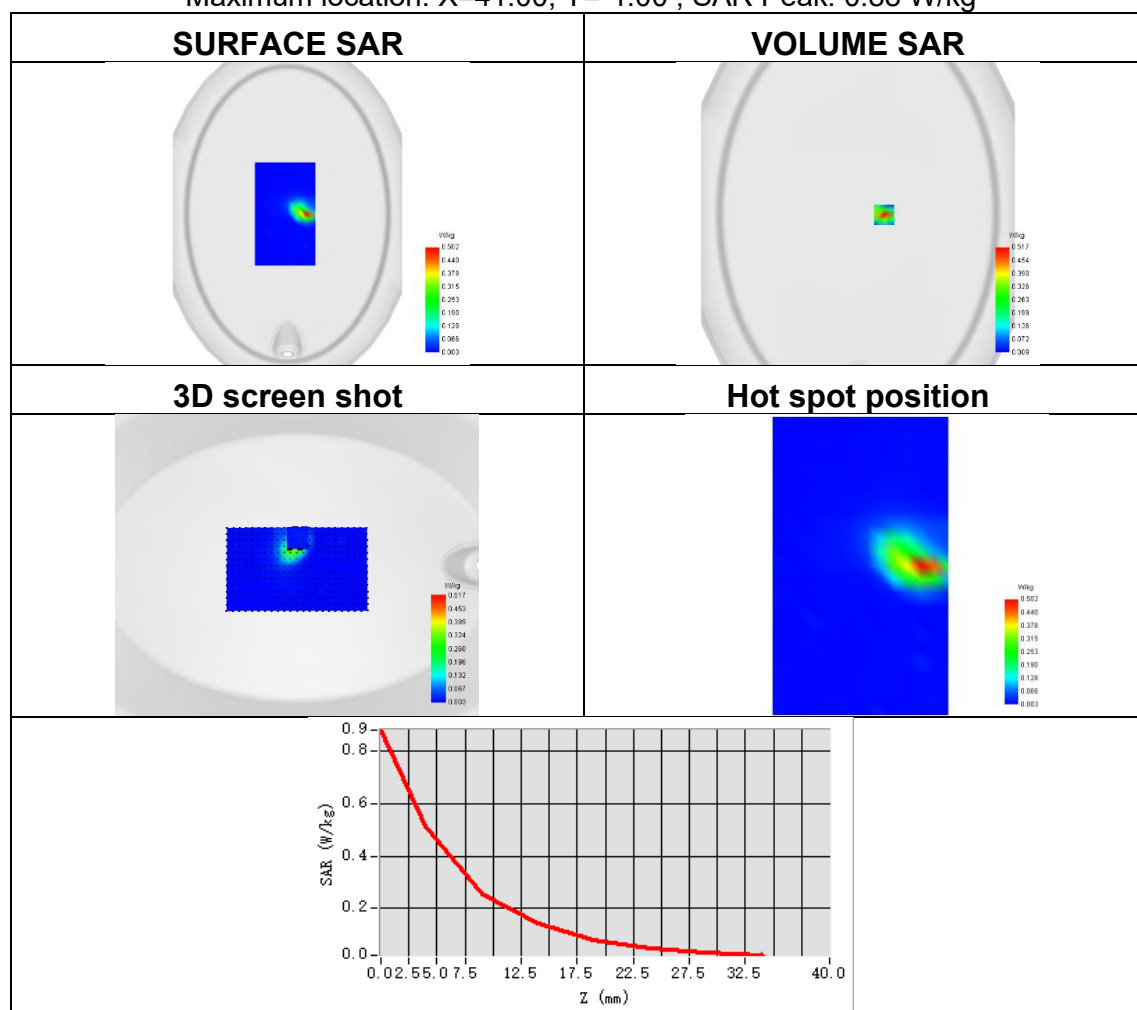




Plot 28:

Test Date	2026-07-16
Area Scan	dx=8mm dy=8mm
Zoom Scan	5x5x7, dx=8mm dy=8mm dz=5mm
Phantom	Validation plane
Device Position	Back Side
Band	LTE band 4
Signal	LTE FDD
Frequency	1720
SAR 10g (W/Kg)	0.209
SAR 1g (W/Kg)	0.468
Horizontal validation criteria: minimum distance (mm)	11.313708
Vertical validation criteria: SAR ratio M2/M1 (%)	49.902754
ConvF	0.69
Relative permittivity	41.49
Conductivity (S/m)	1.33

Maximum location: X=41.00, Y=-1.00 ; SAR Peak: 0.88 W/kg

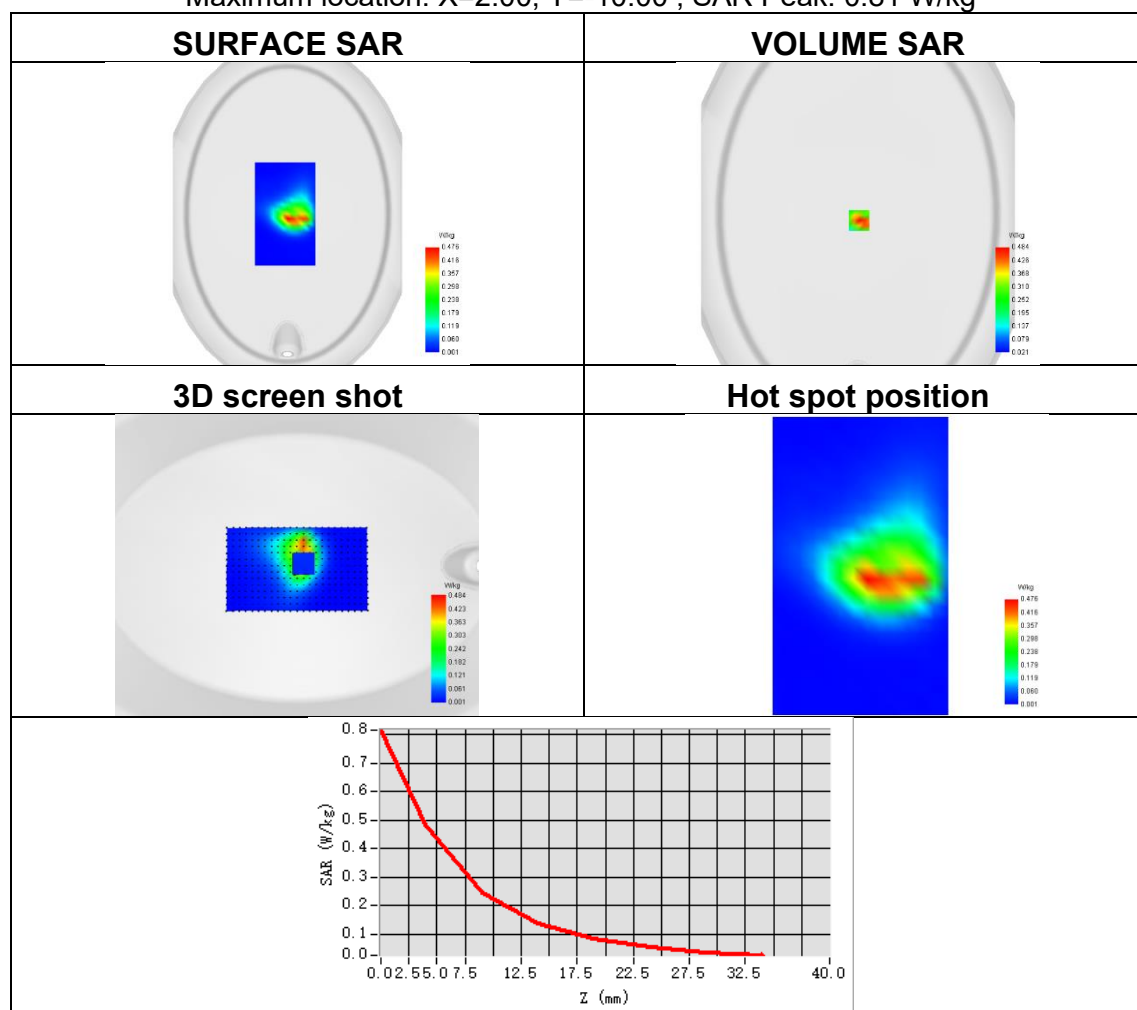




Plot 29:

Test Date	2026-07-20
Area Scan	dx=8mm dy=8mm
Zoom Scan	5x5x7, dx=8mm dy=8mm dz=5mm
Phantom	Validation plane
Device Position	Back Side
Band	LTE band 5
Signal	LTE FDD
Frequency	836.5
SAR 10g (W/Kg)	0.228
SAR 1g (W/Kg)	0.462
Horizontal validation criteria: minimum distance (mm)	16.000000
Vertical validation criteria: SAR ratio M2/M1 (%)	50.816968
ConvF	0.69
Relative permittivity	41.90
Conductivity (S/m)	0.92

Maximum location: X=2.00, Y=-10.00 ; SAR Peak: 0.81 W/kg

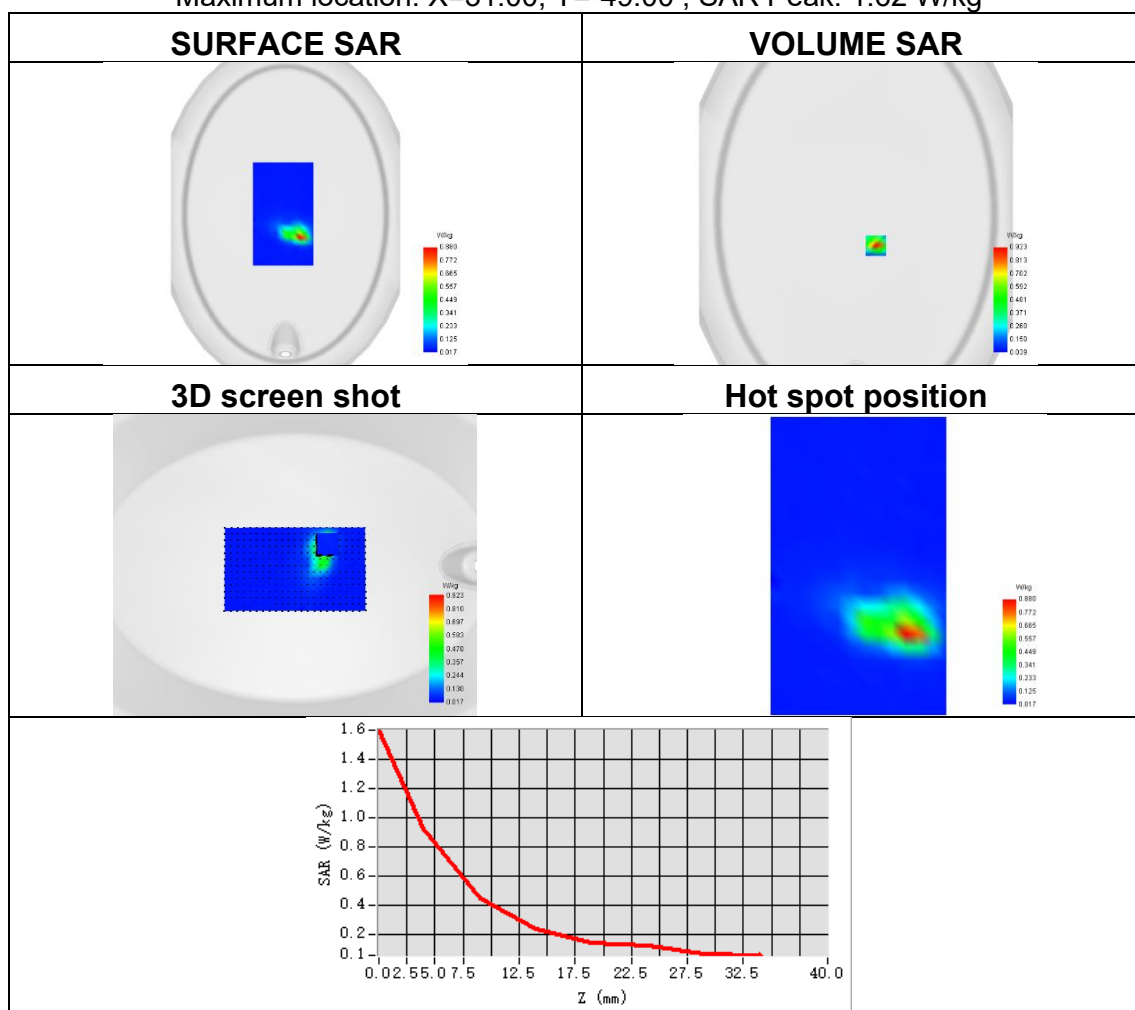




Plot 30:

Test Date	2026-08-01
Area Scan	dx=8mm dy=8mm
Zoom Scan	5x5x7, dx=8mm dy=8mm dz=5mm
Phantom	Validation plane
Device Position	Back Side
Band	LTE band 7
Signal	LTE FDD
Frequency	2510
SAR 10g (W/Kg)	0.377
SAR 1g (W/Kg)	0.843
Horizontal validation criteria: minimum distance (mm)	11.313708
Vertical validation criteria: SAR ratio M2/M1 (%)	49.206088
ConvF	0.98
Relative permittivity	39.90
Conductivity (S/m)	1.86

Maximum location: X=31.00, Y=-49.00 ; SAR Peak: 1.62 W/kg

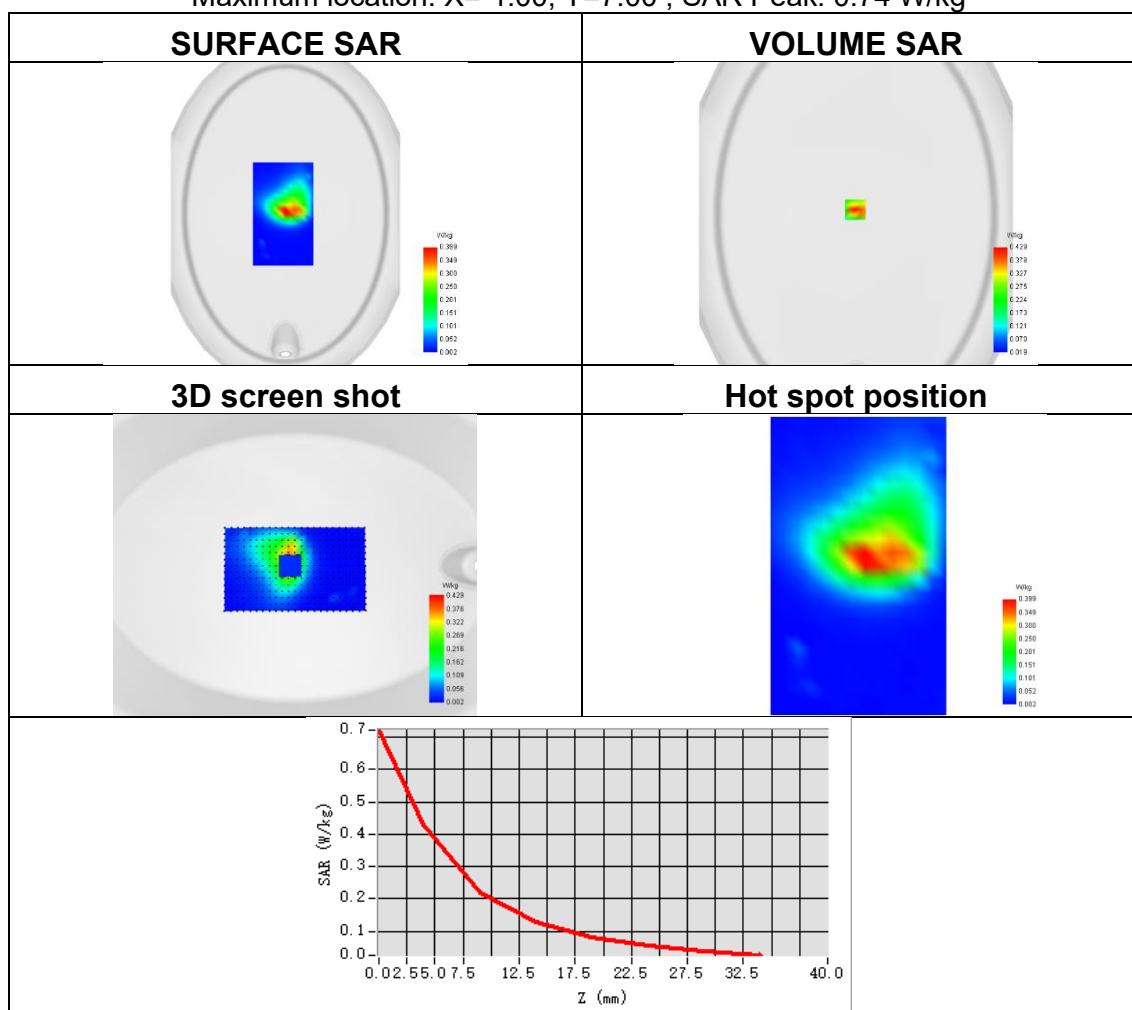




Plot 31:

Test Date	2026-07-18
Area Scan	dx=8mm dy=8mm
Zoom Scan	5x5x7,dx=8mm dy=8mm dz=5mm
Phantom	Validation plane
Device Position	Back Side
Band	LTE band 12
Signal	LTE FDD
Frequency	704
SAR 10g (W/Kg)	0.199
SAR 1g (W/Kg)	0.419
Horizontal validation criteria: minimum distance (mm)	17.888544
Vertical validation criteria: SAR ratio M2/M1 (%)	51.361091
ConvF	0.71
Relative permittivity	41.72
Conductivity (S/m)	0.88

Maximum location: X=-1.00, Y=7.00 ; SAR Peak: 0.74 W/kg

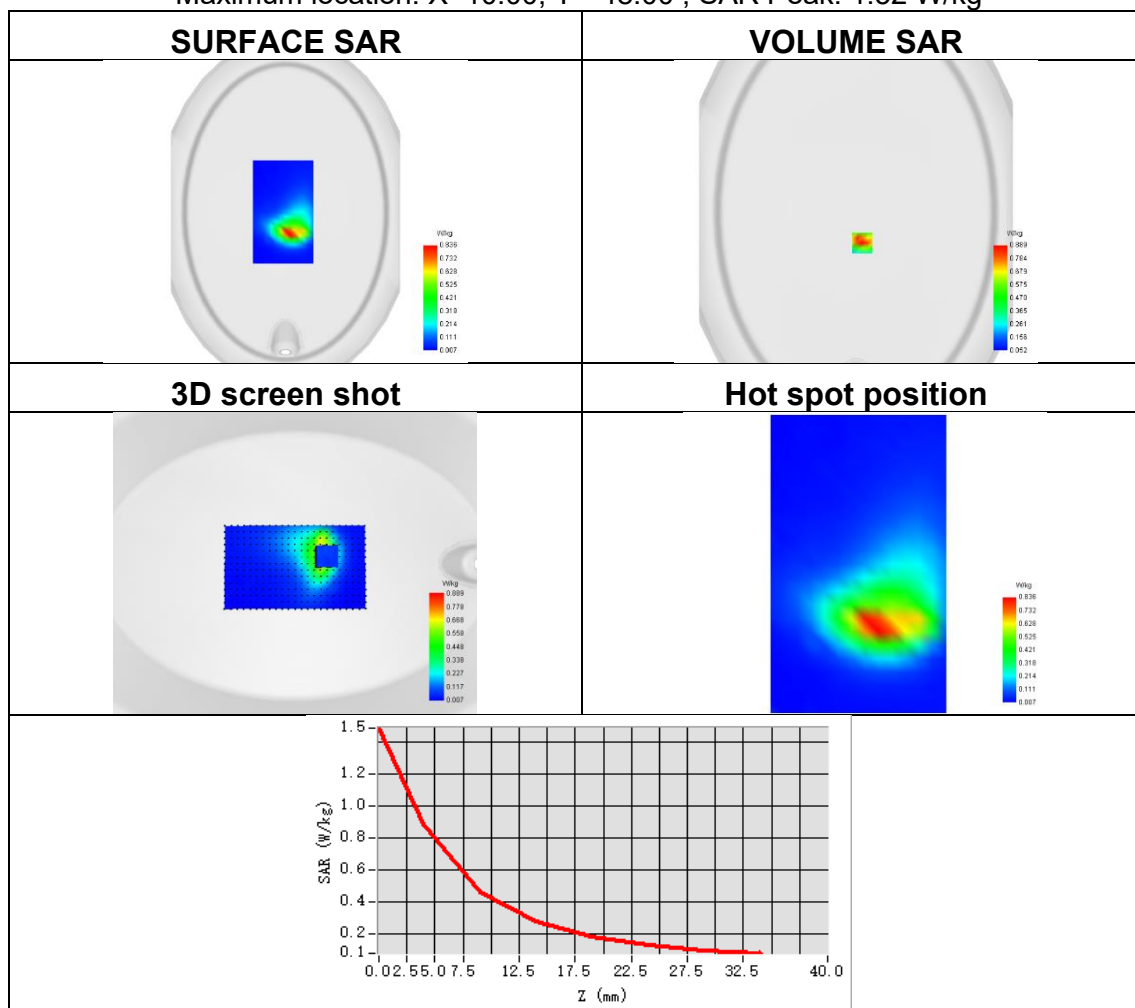




Plot 32:

Test Date	2026-07-18
Area Scan	dx=8mm dy=8mm
Zoom Scan	5x5x7, dx=8mm dy=8mm dz=5mm
Phantom	Validation plane
Device Position	Back Side
Band	LTE band 13
Signal	LTE FDD
Frequency	782
SAR 10g (W/Kg)	0.444
SAR 1g (W/Kg)	0.890
Horizontal validation criteria: minimum distance (mm)	16.000000
Vertical validation criteria: SAR ratio M2/M1 (%)	51.921001
ConvF	0.71
Relative permittivity	40.98
Conductivity (S/m)	0.93

Maximum location: X=10.00, Y=-48.00 ; SAR Peak: 1.52 W/kg

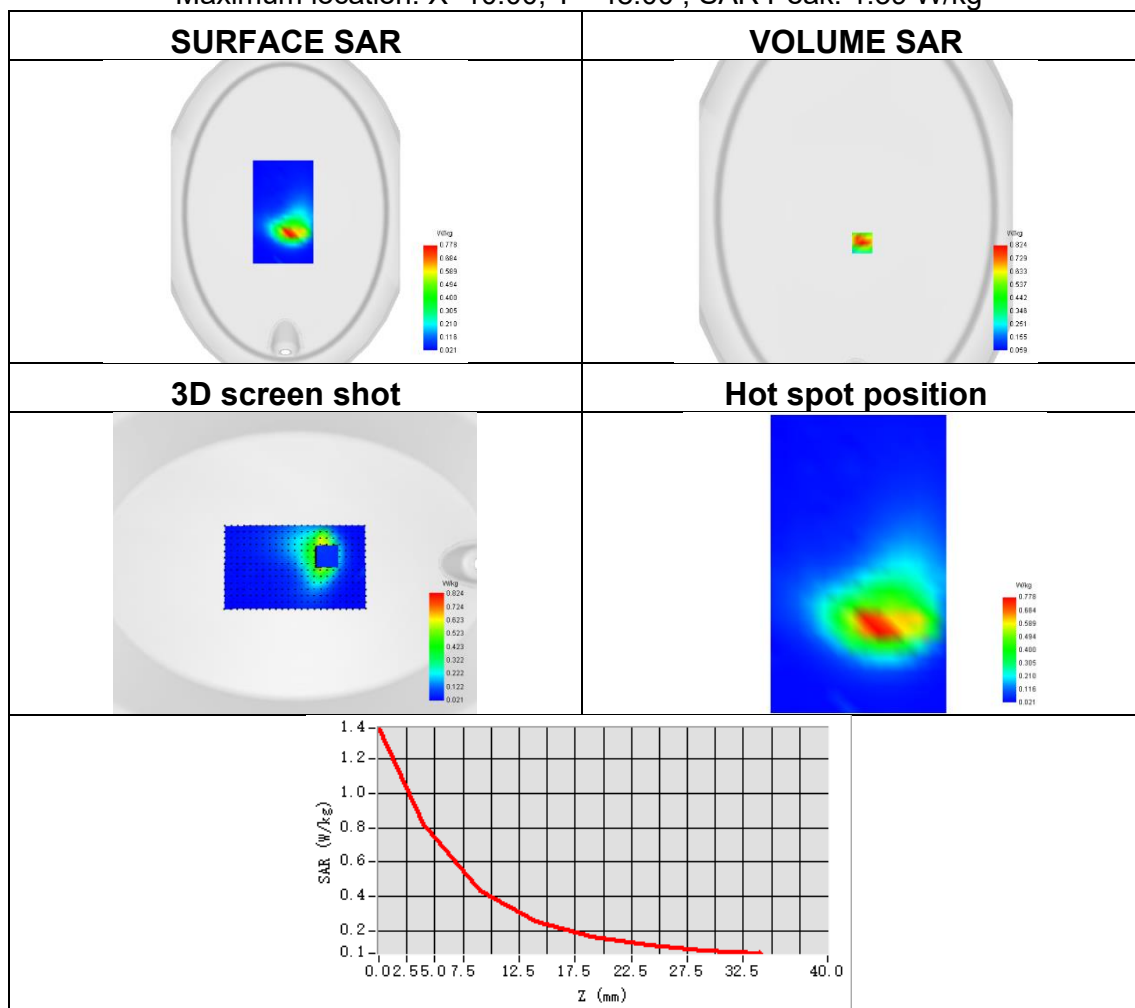




Plot 33:

Test Date	2026-07-18
Area Scan	dx=8mm dy=8mm
Zoom Scan	5x5x7, dx=8mm dy=8mm dz=5mm
Phantom	Validation plane
Device Position	Back Side
Band	LTE band 14
Signal	LTE FDD
Frequency	763
SAR 10g (W/Kg)	0.406
SAR 1g (W/Kg)	0.817
Horizontal validation criteria: minimum distance (mm)	16.000000
Vertical validation criteria: SAR ratio M2/M1 (%)	52.397864
ConvF	0.71
Relative permittivity	42.12
Conductivity (S/m)	0.89

Maximum location: X=10.00, Y=-48.00 ; SAR Peak: 1.39 W/kg

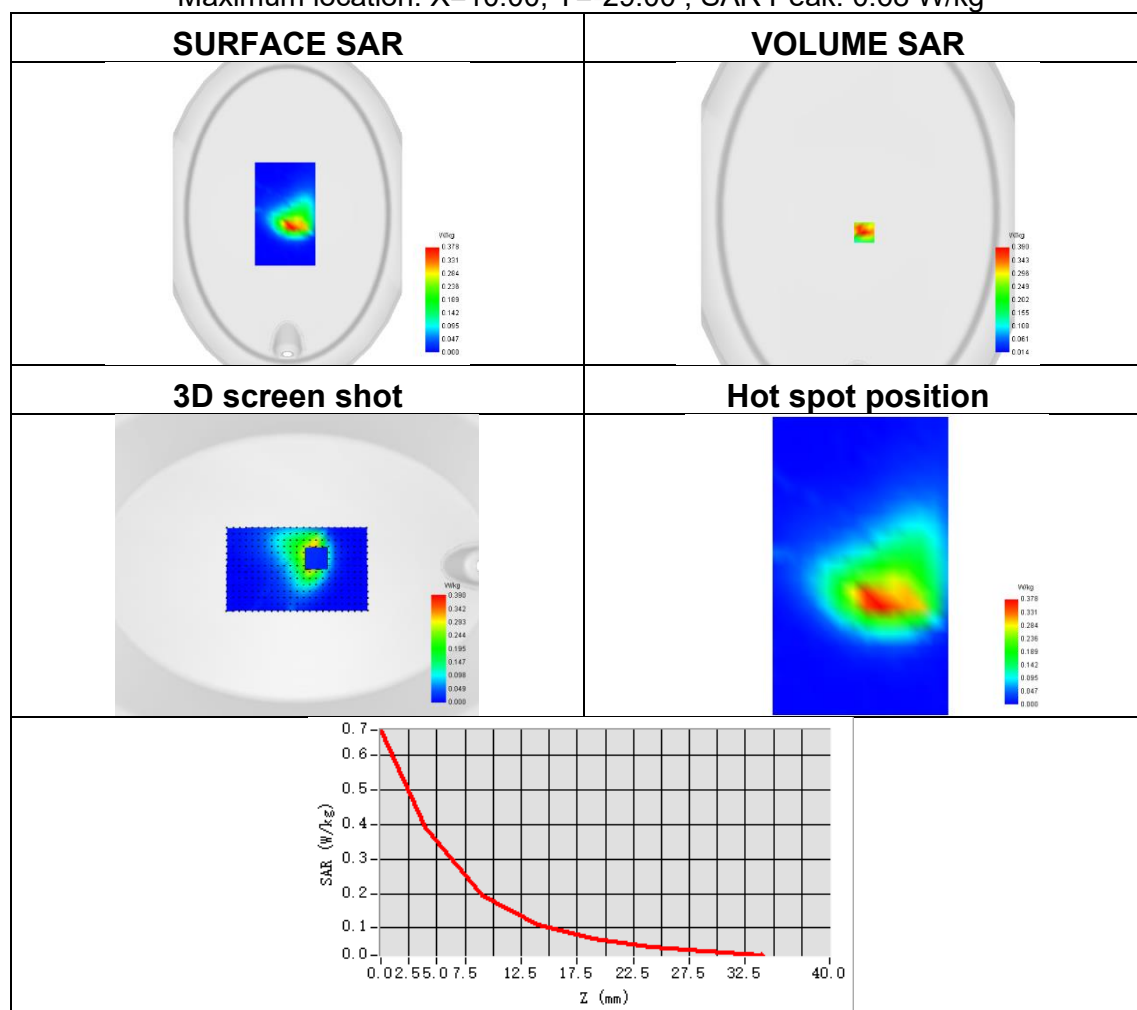




Plot 34:

Test Date	2026-07-18
Area Scan	dx=8mm dy=8mm
Zoom Scan	5x5x7, dx=8mm dy=8mm dz=5mm
Phantom	Validation plane
Device Position	Back Side
Band	LTE band 17
Signal	LTE FDD
Frequency	703
SAR 10g (W/Kg)	0.186
SAR 1g (W/Kg)	0.389
Horizontal validation criteria: minimum distance (mm)	16.000000
Vertical validation criteria: SAR ratio M2/M1 (%)	49.499766
ConvF	0.71
Relative permittivity	42.97
Conductivity (S/m)	0.89

Maximum location: X=10.00, Y=-29.00 ; SAR Peak: 0.68 W/kg

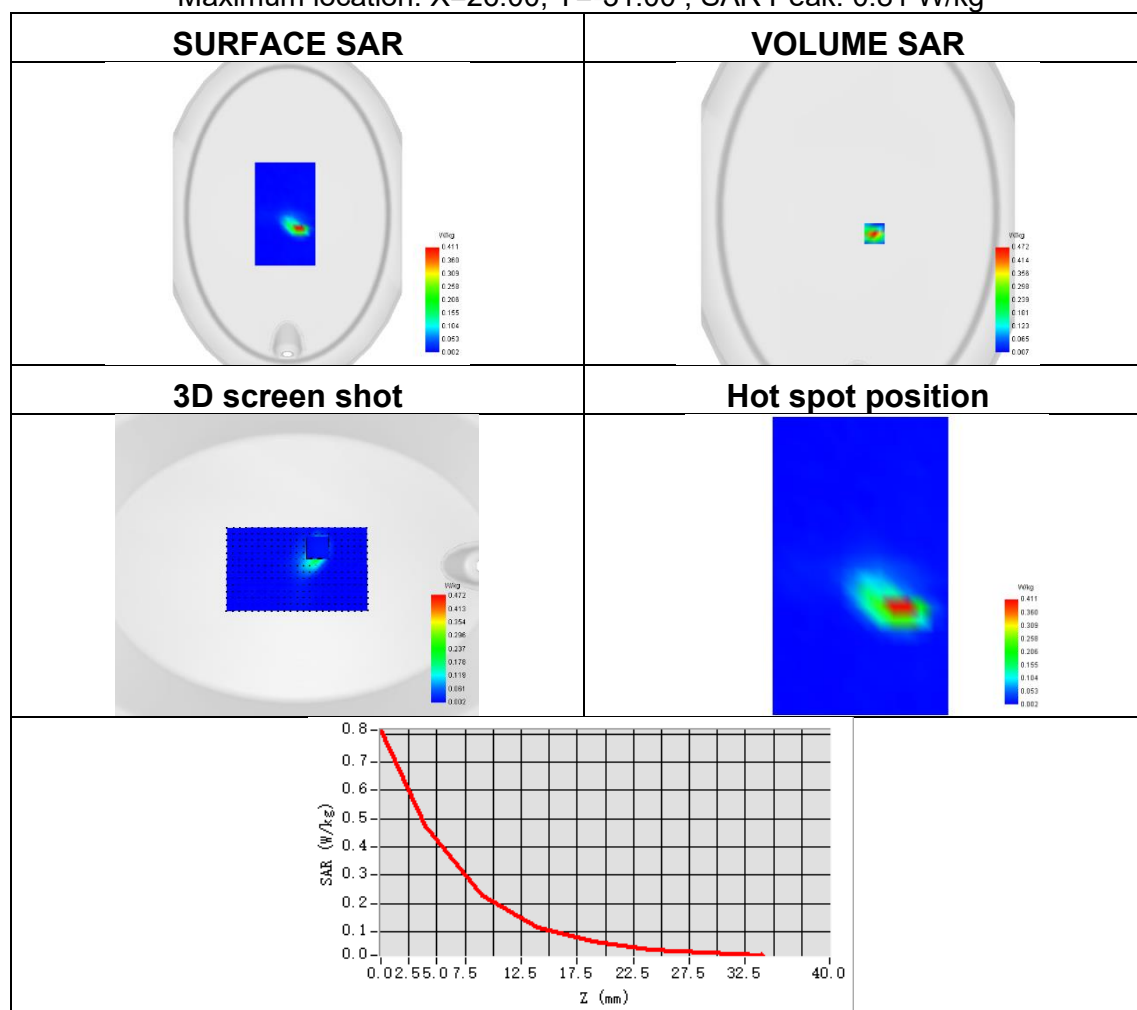




Plot 35:

Test Date	2026-08-02
Area Scan	dx=8mm dy=8mm
Zoom Scan	5x5x7, dx=8mm dy=8mm dz=5mm
Phantom	Validation plane
Device Position	Back Side
Band	LTE band 25
Signal	LTE FDD
Frequency	1905
SAR 10g (W/Kg)	0.179
SAR 1g (W/Kg)	0.422
Horizontal validation criteria: minimum distance (mm)	16.000000
Vertical validation criteria: SAR ratio M2/M1 (%)	47.927129
ConvF	0.90
Relative permittivity	40.91
Conductivity (S/m)	1.38

Maximum location: X=26.00, Y=-31.00 ; SAR Peak: 0.81 W/kg

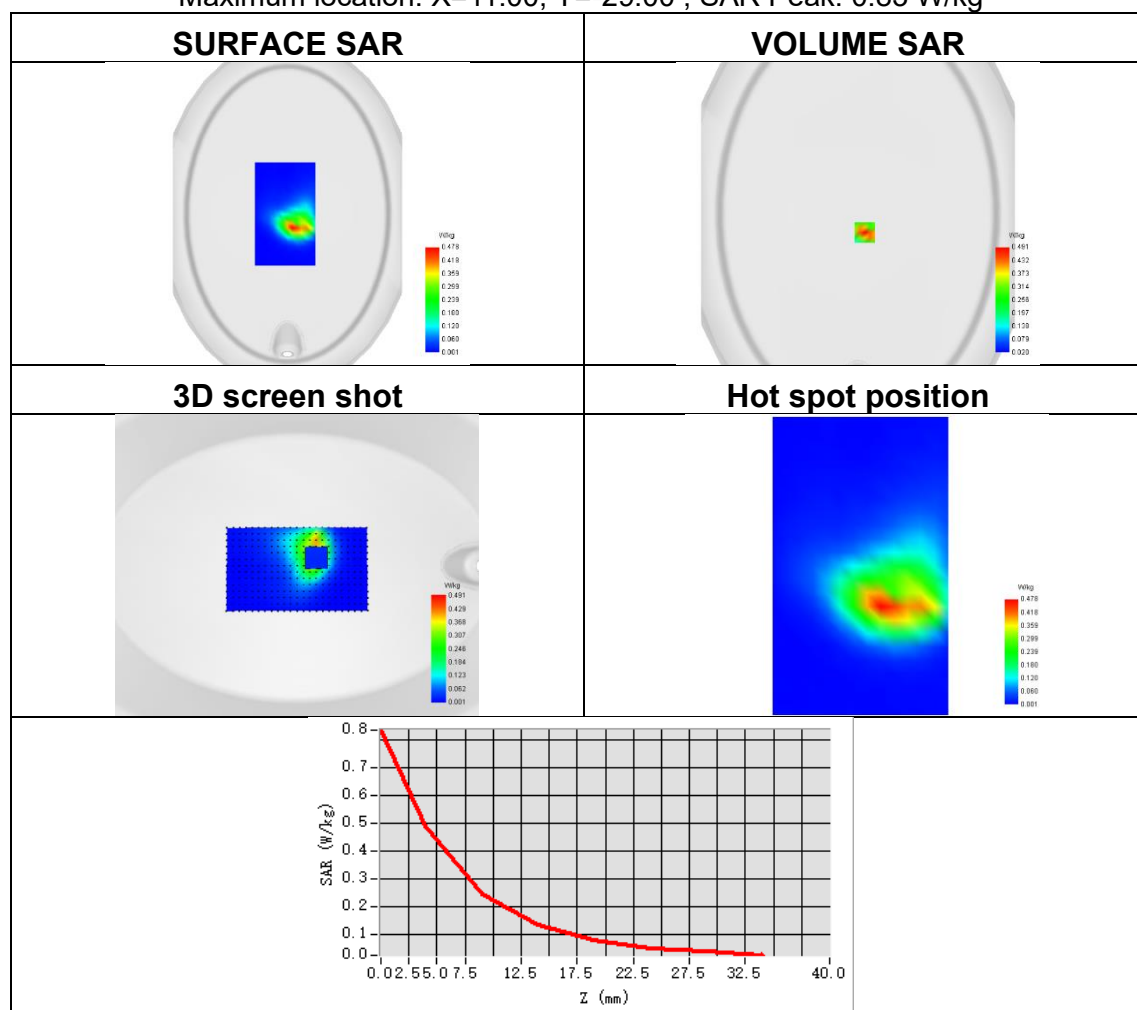




Plot 36:

Test Date	2026-07-20
Area Scan	dx=8mm dy=8mm
Zoom Scan	5x5x7, dx=8mm dy=8mm dz=5mm
Phantom	Validation plane
Device Position	Back side
Band	LTE band 26
Signal	LTE FDD
Frequency	831.5
SAR 10g (W/Kg)	0.228
SAR 1g (W/Kg)	0.465
Horizontal validation criteria: minimum distance (mm)	16.000000
Vertical validation criteria: SAR ratio M2/M1 (%)	49.658393
ConvF	0.69
Relative permittivity	42.09
Conductivity (S/m)	0.86

Maximum location: X=11.00, Y=-29.00 ; SAR Peak: 0.83 W/kg

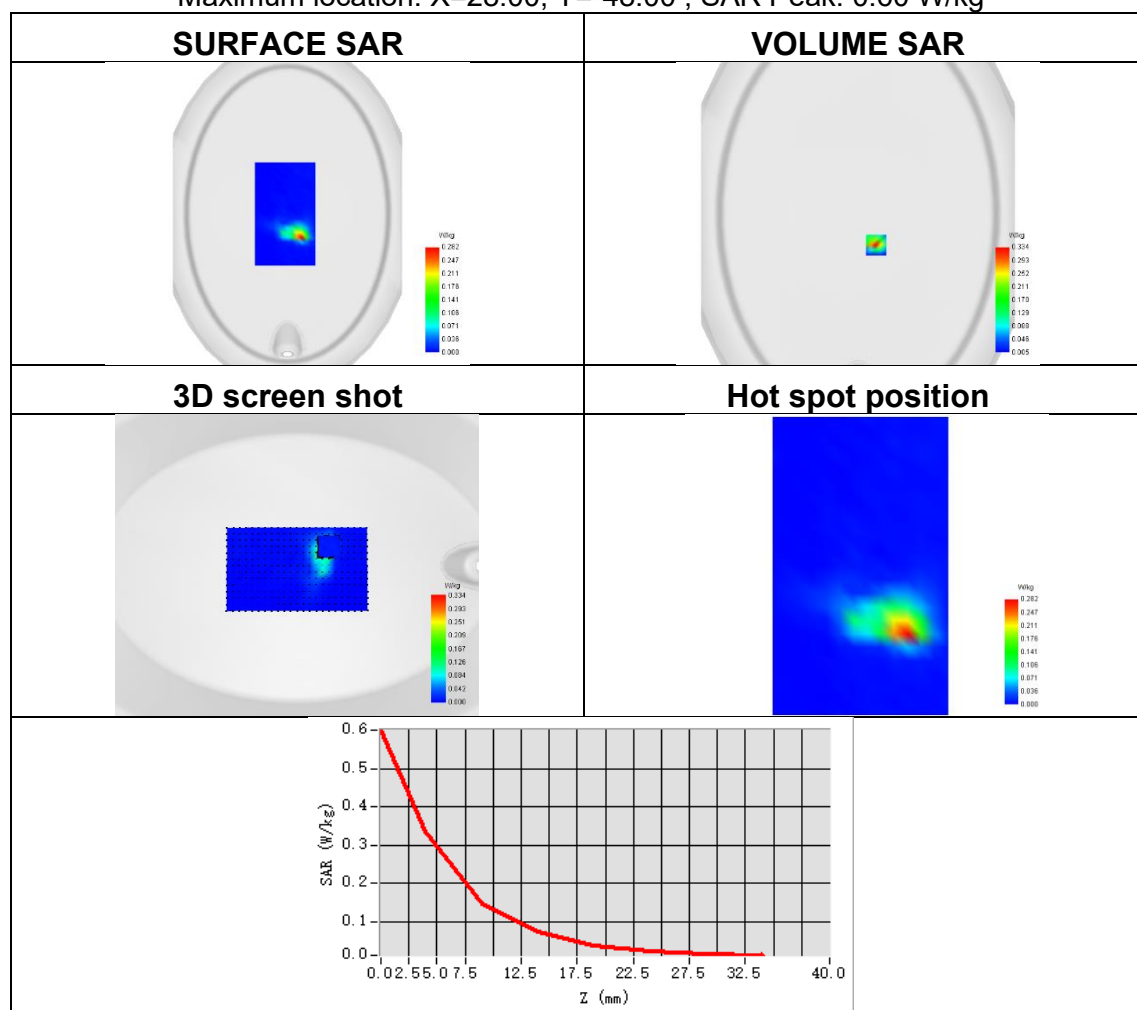




Plot 37:

Test Date	2026-08-01
Area Scan	dx=8mm dy=8mm
Zoom Scan	5x5x7, dx=8mm dy=8mm dz=5mm
Phantom	Validation plane
Device Position	Back Side
Band	LTE band 38
Signal	LTE FDD
Frequency	2595
SAR 10g (W/Kg)	0.124
SAR 1g (W/Kg)	0.302
Horizontal validation criteria: minimum distance (mm)	16.000000
Vertical validation criteria: SAR ratio M2/M1 (%)	44.316639
ConvF	0.98
Relative permittivity	40.35
Conductivity (S/m)	1.99

Maximum location: X=28.00, Y=-48.00 ; SAR Peak: 0.60 W/kg

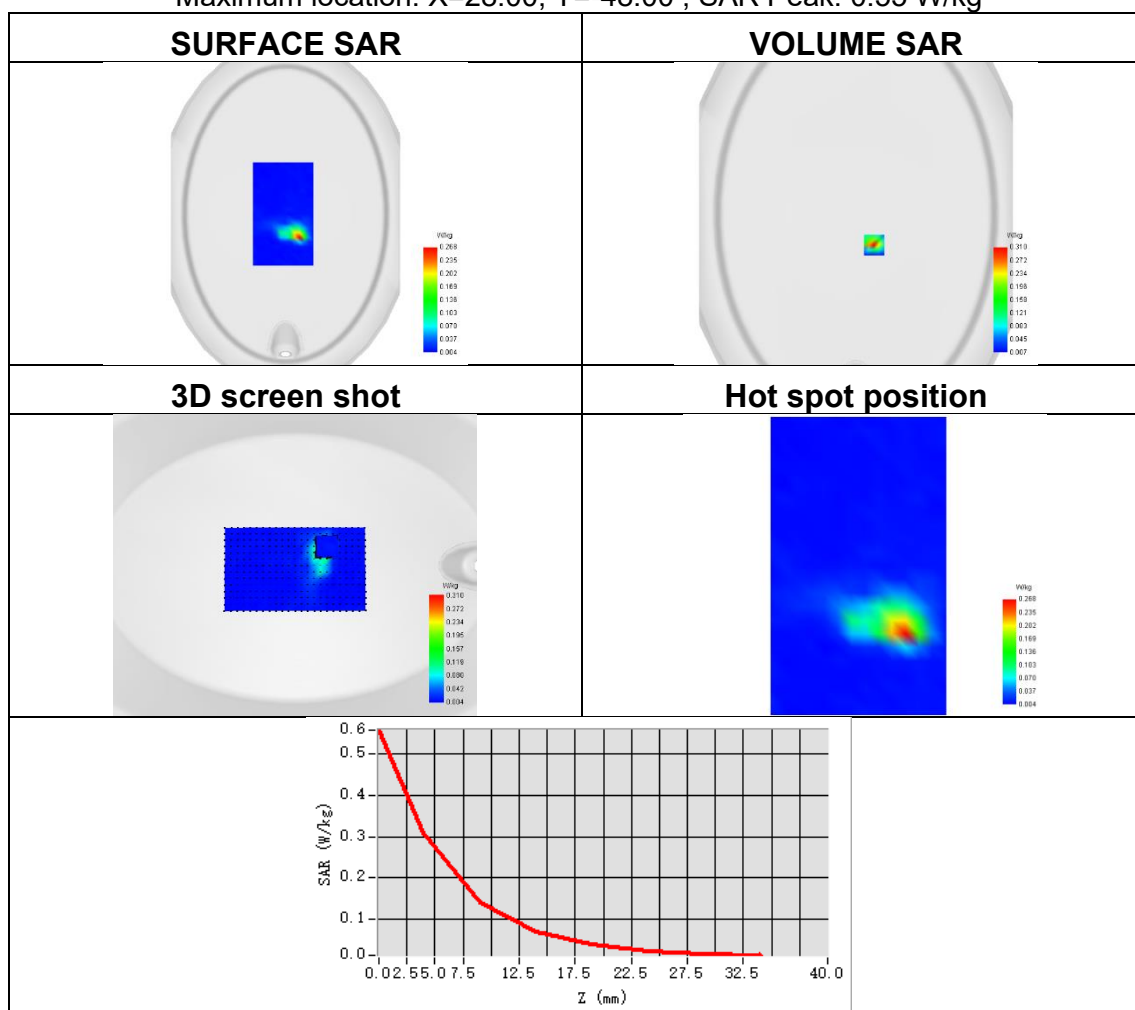




Plot 38:

Test Date	2026-08-01
Area Scan	dx=8mm dy=8mm
Zoom Scan	5x5x7, dx=8mm dy=8mm dz=5mm
Phantom	Validation plane
Device Position	Back Side
Band	LTE band 41
Signal	LTE FDD
Frequency	2593
SAR 10g (W/Kg)	0.116
SAR 1g (W/Kg)	0.279
Horizontal validation criteria: minimum distance (mm)	16.000000
Vertical validation criteria: SAR ratio M2/M1 (%)	44.988427
ConvF	0.98
Relative permittivity	39.73
Conductivity (S/m)	1.99

Maximum location: X=28.00, Y=-48.00 ; SAR Peak: 0.55 W/kg

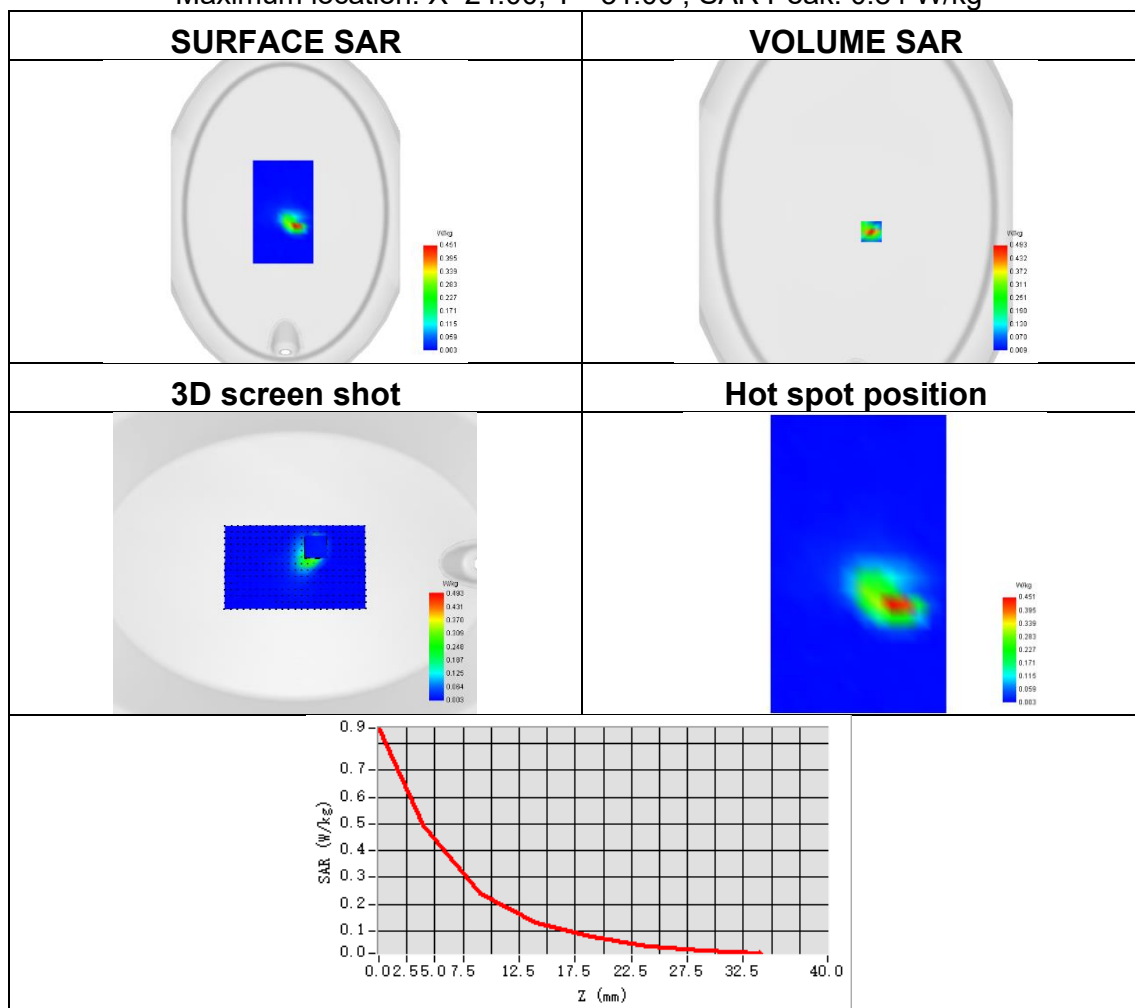




Plot 39:

Test Date	2026-07-16
Area Scan	dx=8mm dy=8mm
Zoom Scan	5x5x7, dx=8mm dy=8mm dz=5mm
Phantom	Validation plane
Device Position	Back Side
Band	LTE band 66
Signal	LTE FDD
Frequency	1720
SAR 10g (W/Kg)	0.187
SAR 1g (W/Kg)	0.435
Horizontal validation criteria: minimum distance (mm)	11.313708
Vertical validation criteria: SAR ratio M2/M1 (%)	48.174783
ConvF	0.69
Relative permittivity	41.49
Conductivity (S/m)	1.33

Maximum location: X=24.00, Y=-31.00 ; SAR Peak: 0.84 W/kg

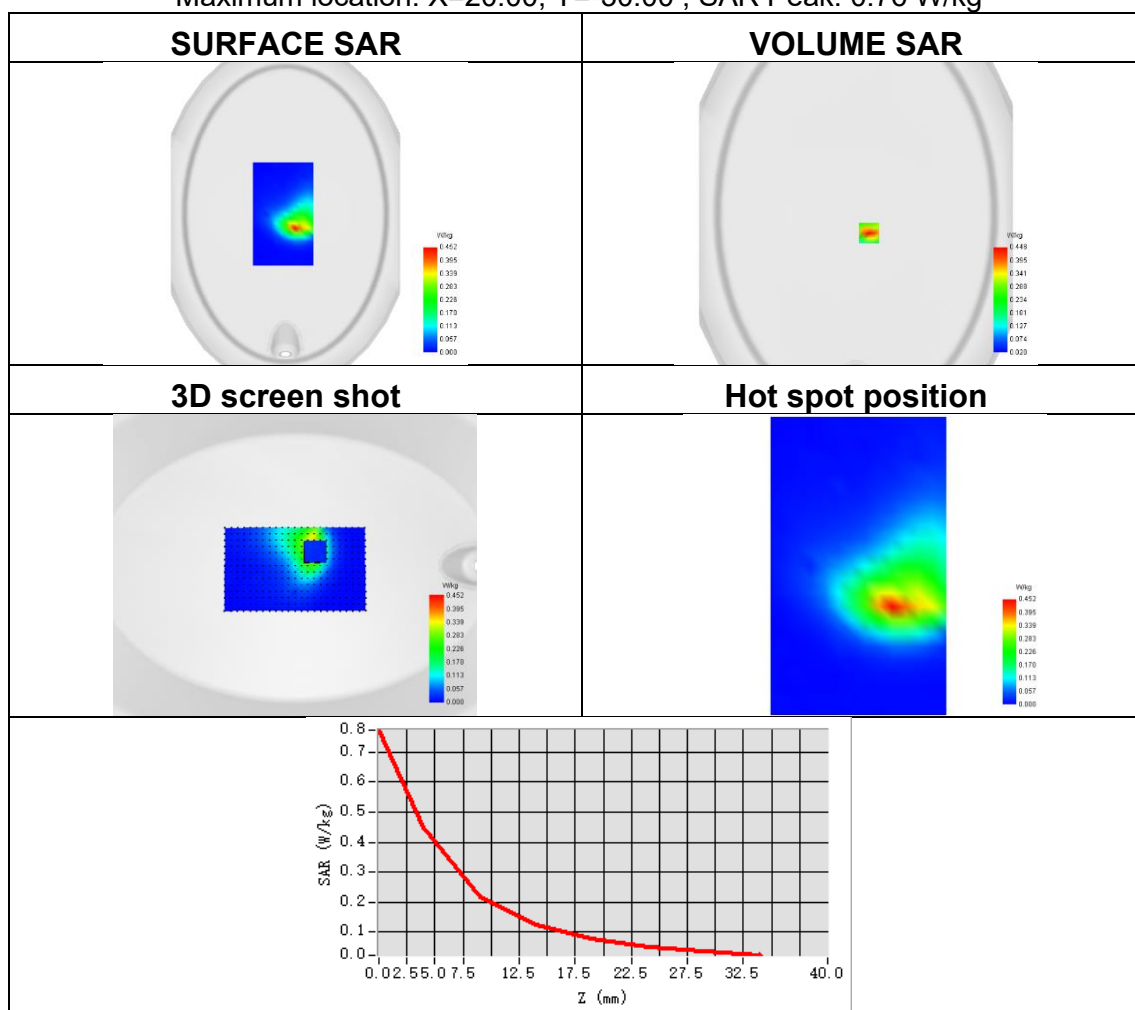




Plot 40:

Test Date	2026-07-18
Area Scan	dx=8mm dy=8mm
Zoom Scan	5x5x7, dx=8mm dy=8mm dz=5mm
Phantom	Validation plane
Device Position	Back Side
Band	LTE band 71
Signal	LTE FDD
Frequency	673
SAR 10g (W/Kg)	0.212
SAR 1g (W/Kg)	0.440
Horizontal validation criteria: minimum distance (mm)	16.000000
Vertical validation criteria: SAR ratio M2/M1 (%)	48.958546
ConvF	0.71
Relative permittivity	42.12
Conductivity (S/m)	0.85

Maximum location: X=20.00, Y=-30.00 ; SAR Peak: 0.76 W/kg





Appendix C. Probe Calibration and Dipole Calibration Report

Refer the appendix Calibration Report.

※※※※※END OF THE REPORT※※※※※