



Band	BW (MHz)	Mod.	RB Size	RB offset	Test Position	Freq.	Result 10g (W/Kg)	Power Drift (%)	Max. Turn-up Power (dBm)	Meas. Output Power (dBm)	Scaling Factor	Scale d SAR (W/Kg)	Meas. No.
LTE Band 2	20M	QPSK	1	99	Front side	1880	0.881	0.06	25.40	25.30	1.023	0.902	/
			50	49	Front side	1900	0.770	2.36	23.00	23.97	0.800	0.616	/
			1	99	Back Side	1880	0.320	-2.61	25.40	25.30	1.023	0.327	/
			50	49	Back Side	1900	0.277	-3.63	23.00	23.97	0.800	0.222	/
			1	99	Left Side	1880	0.390	-1.96	25.40	25.30	1.023	0.399	/
			50	49	Left Side	1900	0.342	1.46	23.00	23.97	0.800	0.274	/
			1	99	Right Side	1880	0.119	2.37	25.40	25.30	1.023	0.122	/
			50	49	Right Side	1900	0.104	-1.22	23.00	23.97	0.800	0.083	/
			1	99	Bottom Side	1880	1.170	-0.34	25.40	25.30	1.023	1.197	51
			50	49	Bottom Side	1900	1.021	1.12	23.00	23.97	0.800	0.817	/
LTE Band 4	20M	QPSK	1	49	Front side	1732.5	0.532	2.49	25.00	24.96	1.009	0.537	/
			50	49	Front side	1720	0.465	-0.56	23.90	23.71	1.045	0.486	/
			1	49	Back Side	1732.5	0.194	1.03	25.00	24.96	1.009	0.196	/
			50	49	Back Side	1720	0.169	2.95	23.90	23.71	1.045	0.177	/
			1	49	Left Side	1732.5	0.236	3.52	25.00	24.96	1.009	0.238	/
			50	49	Left Side	1720	0.208	0.94	23.90	23.71	1.045	0.217	/
			1	49	Right Side	1732.5	0.073	-1.48	25.00	24.96	1.009	0.074	/
			50	49	Right Side	1720	0.065	-2.42	23.90	23.71	1.045	0.068	/
			1	49	Bottom Side	1732.5	0.705	-1.94	25.00	24.96	1.009	0.712	52
			50	49	Bottom Side	1720	0.616	-0.61	23.90	23.71	1.045	0.644	/
LTE Band 5	10M	QPSK	1	24	Front side	844	0.659	-3.49	25.80	25.61	1.045	0.688	/
			25	24	Front side	844	0.572	-3.34	24.50	24.39	1.026	0.587	/
			1	24	Back Side	844	0.877	0.42	25.80	25.61	1.045	0.916	53
			25	24	Back Side	844	0.766	-1.92	24.50	24.39	1.026	0.786	/
			1	24	Left Side	844	0.135	0.65	25.80	25.61	1.045	0.141	/
			25	24	Left Side	844	0.117	1.32	24.50	24.39	1.026	0.120	/
			1	24	Right Side	844	0.247	-3.09	25.80	25.61	1.045	0.258	/
			25	24	Right Side	844	0.218	-2.15	24.50	24.39	1.026	0.224	/
			1	24	Bottom Side	844	0.325	3.32	25.80	25.61	1.045	0.340	/
			25	24	Bottom Side	844	0.283	1.08	24.50	24.39	1.026	0.290	/



LTE Band 7	20M	QPS K	1	0	Front side	2510	0.708	-0.89	25.50	25.42	1.019	0.721	/
			50	0	Front side	2510	0.620	0.60	24.50	24.32	1.042	0.646	/
			1	0	Back Side	2510	0.256	0.94	25.50	25.42	1.019	0.261	/
			50	0	Back Side	2510	0.222	-2.51	24.50	24.32	1.042	0.231	/
			1	0	Left Side	2510	0.312	-0.96	25.50	25.42	1.019	0.318	/
			50	0	Left Side	2510	0.272	-0.83	24.50	24.32	1.042	0.284	/
			1	0	Right Side	2510	0.093	-2.75	25.50	25.42	1.019	0.095	/
			50	0	Right Side	2510	0.081	-3.40	24.50	24.32	1.042	0.084	/
			1	0	Bottom Side	2510	0.940	-2.27	25.50	25.42	1.019	0.957	54
			50	0	Bottom Side	2510	0.822	1.43	24.50	24.32	1.042	0.857	/
LTE Band 12	10M	QPS K	1	0	Front side	707.5	0.410	-2.42	25.30	25.15	1.035	0.424	/
			25	0	Front side	707.5	0.360	0.91	25.20	25.03	1.040	0.374	/
			1	0	Back Side	707.5	0.544	-2.54	25.30	25.15	1.035	0.563	55
			25	0	Back Side	707.5	0.472	2.67	25.20	25.03	1.040	0.491	/
			1	0	Left Side	707.5	0.084	-1.53	25.30	25.15	1.035	0.087	/
			25	0	Left Side	707.5	0.075	3.86	25.20	25.03	1.040	0.078	/
			1	0	Right Side	707.5	0.157	0.93	25.30	25.15	1.035	0.163	/
			25	0	Right Side	707.5	0.136	0.05	25.20	25.03	1.040	0.141	/
			1	0	Bottom Side	707.5	0.119	-2.70	25.30	25.15	1.035	0.123	/
			25	0	Bottom Side	707.5	0.105	-2.73	25.20	25.03	1.040	0.109	/
LTE Band 13	10M	QPS K	1	24	Front side	782	0.374	-0.27	25.00	24.83	1.040	0.389	/
			25	12	Front side	782	0.329	3.91	23.50	23.32	1.042	0.343	/
			1	24	Back Side	782	0.496	-2.14	25.00	24.83	1.040	0.516	56
			25	12	Back Side	782	0.430	1.16	23.50	23.32	1.042	0.448	/
			1	24	Left Side	782	0.078	2.62	25.00	24.83	1.040	0.081	/
			25	12	Left Side	782	0.067	2.69	23.50	23.32	1.042	0.070	/
			1	24	Right Side	782	0.141	-2.30	25.00	24.83	1.040	0.147	/
			25	12	Right Side	782	0.123	1.43	23.50	23.32	1.042	0.128	/
			1	24	Bottom Side	782	0.444	-0.76	25.00	24.83	1.040	0.462	/
			25	12	Bottom Side	782	0.387	2.65	23.50	23.32	1.042	0.403	/



LTE Band 17	10M	QPSK	1	24	Front side	709	0.430	1.45	25.20	25.05	1.035	0.445	/
			25	12	Front side	709	0.378	3.19	23.70	23.50	1.047	0.396	/
			1	24	Back Side	709	0.573	2.54	25.20	25.05	1.035	0.593	57
			25	12	Back Side	709	0.502	0.99	23.70	23.50	1.047	0.526	/
			1	24	Left Side	709	0.089	3.25	25.20	25.05	1.035	0.092	/
			25	12	Left Side	709	0.078	1.06	23.70	23.50	1.047	0.082	/
			1	24	Right Side	709	0.163	0.81	25.20	25.05	1.035	0.169	/
			25	12	Right Side	709	0.145	-3.39	23.70	23.50	1.047	0.152	/
			1	24	Bottom Side	709	0.143	-0.25	25.20	25.05	1.035	0.148	/
			25	12	Bottom Side	709	0.124	-2.13	23.70	23.50	1.047	0.130	/
LTE Band 26	15M	QPSK	1	0	Front side	819	0.542	2.72	25.50	25.38	1.028	0.557	/
			36	0	Front side	819	0.471	2.42	24.20	24.09	1.026	0.483	/
			1	0	Back Side	819	0.721	2.26	25.50	25.38	1.028	0.741	58
			36	0	Back Side	819	0.627	0.52	24.20	24.09	1.026	0.643	/
			1	0	Left Side	819	0.112	-1.94	25.50	25.38	1.028	0.115	/
			36	0	Left Side	819	0.098	1.38	24.20	24.09	1.026	0.101	/
			1	0	Right Side	819	0.201	-2.37	25.50	25.38	1.028	0.207	/
			36	0	Right Side	819	0.176	0.38	24.20	24.09	1.026	0.181	/
			1	0	Bottom Side	819	0.372	-2.45	25.50	25.38	1.028	0.382	/
			36	0	Bottom Side	819	0.323	-3.72	24.20	24.09	1.026	0.331	/
LTE Band 38	20M	QPSK	1	99	Front side	2610	0.425	-2.56	25.50	25.40	1.023	0.435	/
			50	0	Front side	2610	0.371	-1.42	24.50	24.36	1.033	0.383	/
			1	99	Back Side	2610	0.154	-1.94	25.50	25.40	1.023	0.158	/
			50	0	Back Side	2610	0.133	1.82	24.50	24.36	1.033	0.137	/
			1	99	Left Side	2610	0.187	-2.58	25.50	25.40	1.023	0.191	/
			50	0	Left Side	2610	0.162	1.43	24.50	24.36	1.033	0.167	/
			1	99	Right Side	2610	0.057	-0.24	25.50	25.40	1.023	0.058	/
			50	0	Right Side	2610	0.052	-1.04	24.50	24.36	1.033	0.054	/
			1	99	Bottom Side	2610	0.564	-1.06	25.50	25.40	1.023	0.577	59
			50	0	Bottom Side	2610	0.491	-1.71	24.50	24.36	1.033	0.507	/



LTE Band 41	20M	QPSK	1	0	Front side	2506	0.418	2.74	23.30	23.02	1.067	0.446	/
			50	0	Front side	2506	0.363	-0.57	22.00	21.67	1.079	0.392	/
			1	0	Back Side	2506	0.153	3.08	23.30	23.02	1.067	0.163	/
			50	0	Back Side	2506	0.133	2.77	22.00	21.67	1.079	0.143	/
			1	0	Left Side	2506	0.186	0.30	23.30	23.02	1.067	0.198	/
			50	0	Left Side	2506	0.161	-2.11	22.00	21.67	1.079	0.174	/
			1	0	Right Side	2506	0.055	2.65	23.30	23.02	1.067	0.059	/
			50	0	Right Side	2506	0.051	-1.71	22.00	21.67	1.079	0.055	/
			1	0	Bottom Side	2506	0.556	-0.35	23.30	23.02	1.067	0.593	60
			50	0	Bottom Side	2506	0.484	-1.39	22.00	21.67	1.079	0.522	/

Note:

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



12.4 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)
GSM 850	GPRS Data-4 Slot	Back Side	128	0.863	-2.34	25.40	25.07	1.079	0.931
		Back Side	190	0.944	3.42	25.40	25.28	1.028	0.970
		Back Side	251	0.881	0.02	25.40	25.20	1.047	0.922
GSM 850	GPRS Data-4 Slot	Back Side	128	0.649	-2.25	23.50	22.42	1.282	0.832
		Back Side	190	0.756	0.33	23.50	23.17	1.079	0.816
		Back Side	190	0.832	-0.25	23.50	23.42	1.019	0.847
		Back Side	190	0.863	-3.36	23.50	22.42	1.282	1.106
		Back Side	190	1.010	-3.21	23.50	23.17	1.079	1.090
		Back Side	251	1.063	-0.16	23.50	23.42	1.019	1.083
GSM 850	GPRS Data-4 Slot	Back Side	128	0.887	0.98	25.40	25.07	1.079	0.957
		Back Side	190	0.959	-2.04	25.40	25.28	1.028	0.986
		Back Side	251	0.907	-3.58	25.40	25.20	1.047	0.950

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 2	20M	QPSK	1	99	Bottom Side	1720	0.669	-0.57	25.40	24.55	1.216	0.814
			1	99	Bottom Side	1732.5	0.702	3.23	25.40	24.85	1.135	0.797
			1	99	Bottom Side	1745	0.831	-3.35	25.40	25.30	1.023	0.851
LTE Band 4	20M	QPSK	1	49	Bottom Side	1720	0.807	0.81	25.00	24.59	1.099	0.887
			1	49	Bottom Side	1755	0.913	2.35	25.00	24.96	1.009	0.922
			1	49	Bottom Side	1770	0.824	-3.14	25.00	24.61	1.094	0.902
			50	49	Bottom Side	1720	0.810	-1.55	23.90	23.71	1.045	0.846
			50	49	Bottom Side	1755	0.779	0.52	23.90	23.61	1.069	0.832
LTE Band 7	20M	QPSK	1	49	Bottom Side	1720	0.794	1.06	25.50	25.42	1.019	0.809
			1	49	Bottom Side	1755	1.034	3.21	25.50	25.42	1.019	1.053
			1	49	Bottom Side	1770	0.855	-2.00	25.50	24.89	1.151	0.984
			50	49	Bottom Side	1720	0.922	1.14	25.50	25.02	1.117	1.030



			50	49	Bottom Side	1720	0.878	2.42	24.50	24.32	1.042	0.916
			50	49	Bottom Side	1720	0.841	-2.15	24.50	24.01	1.119	0.941
			50	49	Bottom Side	1720	0.772	3.13	24.50	23.87	1.156	0.893
			50	49	Bottom Side	1720	0.835	-3.57	24.50	24.29	1.050	0.877
			50	49	Bottom Side	1720	0.765	-2.47	24.50	23.96	1.132	0.867
			50	49	Bottom Side	1755	0.707	3.56	24.50	23.82	1.169	0.827

12.5 Repeated SAR measurement

Band	Mode	Test Position	Ch.	Original Measured SAR 1g(W/kg)	1 st Repeated SAR 1g	Ratio
WCDMA Band II	RMC	Bottom Side	1852	0.889	0.863	1.030
		Bottom Side	1880	0.983	0.944	1.042
		Bottom Side	1908	0.924	0.881	1.049
WCDMA Band IV	RMC	Front Side	1713	0.650	0.649	1.002
		Front Side	1740	0.769	0.756	1.017
		Front Side	1752	0.837	0.832	1.006
		Bottom Side	1713	0.865	0.863	1.003
		Bottom Side	1740	1.022	1.010	1.012
		Bottom Side	1752	1.113	1.063	1.047
		Bottom Side	1752	1.113	1.063	1.047
WCDMA Band II	RMC	Bottom Side	1852	0.889	0.887	1.003
		Bottom Side	1880	0.983	0.959	1.025
		Bottom Side	1908	0.924	0.907	1.019

Band	BW (MHz)	Mod.	RB Size	RB offset	Test Position	Freq.	Original Measured SAR 1g(W/kg) 1g (W/Kg)	1 st Repeated SAR 1g	Ratio
LTE Band 2	20M	QPSK	1	99	Bottom Side	1860	0.701	0.669	1.048
			1	99	Bottom Side	1880	0.732	0.702	1.043
			1	99	Bottom Side	1880	0.845	0.831	1.016
LTE Band 4	20M	QPSK	1	49	Bottom Side	1720	0.822	0.807	1.018
			1	49	Bottom Side	1732.5	0.942	0.913	1.031
			1	49	Bottom Side	1745	0.856	0.824	1.038
			50	49	Bottom Side	1720	0.819	0.810	1.011
			50	49	Bottom Side	1732.5	0.786	0.779	1.009
			50	49	Bottom Side	1732.5	0.786	0.779	1.009
LTE Band 7	20M	QPSK	1	0	Front side	2510	0.798	0.794	1.005
			1	0	Bottom Side	2510	1.062	1.034	1.027
			1	0	Bottom Side	2535	0.899	0.855	1.052
			1	0	Bottom Side	2560	0.947	0.922	1.027



			50	0	Bottom Side	2510	0.924	0.878	1.052
			50	0	Bottom Side	2535	0.853	0.841	1.015
			50	0	Bottom Side	2560	0.811	0.772	1.050
			100	0	Bottom Side	2510	0.864	0.835	1.034
			100	0	Bottom Side	2535	0.784	0.765	1.024
			100	0	Bottom Side	2560	0.739	0.707	1.045

Note:

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



12.6 Simultaneous Multi-band Transmission Evaluation

Application Simultaneous Transmission information:

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

NOTE:

1. Bluetooth and WLAN can't simultaneous transmission at the same time.

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

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

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

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

Estimated SAR		Maximum Turn-up Power		Antenna to user(mm)	Frequency (GHz)	Stand Alone SAR(1g) [W/kg]
		dBm	mW			
BT	Head	5.8	3.802	5	2.48	0.160
	Body			5	2.48	0.160
	Limbs			5	2.48	0.064
NFC	Head	-31	0.000794	5	0.01356	0.0000025
	Body			5	0.01356	0.0000025
	Limbs			5	0.01356	0.0000010



Simultaneous Mode	Position	Mode	Max. 1-g SAR	1-g Sum SAR
			(W/kg)	(W/kg)
GSM + 2.4G WLAN + NFC	Head	GSM	0.224	0.857
		NFC	0.0000025	
		2.4G WLAN	0.633	
	Body	GSM	0.647	1.084
		NFC	0.0000025	
		2.4G WLAN	0.437	
GSM + Bluetooth + NFC+ NFC	Head	GSM	0.224	0.384
		NFC	0.0000025	
		BT	0.160	
	Body	GSM	0.647	0.807
		NFC	0.0000025	
		BT	0.160	
GSM + 5G WLAN+ NFC	Head	GSM	0.224	0.837
		NFC	0.0000025	
		5G WLAN	0.613	
	Body	GSM	0.647	1.167
		NFC	0.0000025	
		5G WLAN	0.520	
WCDMA + 2.4G WLAN + NFC	Head	WCDMA	0.341	0.974
		NFC	0.0000025	
		2.4G WLAN	0.633	
	Body	WCDMA	1.134	1.571
		NFC	0.0000025	
		2.4G WLAN	0.437	
WCDMA + Bluetooth + NFC+ NFC	Head	WCDMA	0.341	0.501
		NFC	0.0000025	
		BT	0.160	
	Body	WCDMA	1.134	1.294
		NFC	0.0000025	
		BT	0.160	
WCDMA + 5G WLAN+ NFC	Head	WCDMA	0.341	0.954
		NFC	0.0000025	
		5G WLAN	0.613	
	Body Bottom Side	WCDMA	1.134	1.152
		NFC	0.0000025	
		5G WLAN	0.018	
	Body Top Side	WCDMA	0.083	0.603
		NFC	0.0000025	
		5G WLAN	0.520	
LTE + 2.4G WLAN + NFC	Head	LTE	0.427	1.060
		NFC	0.0000025	
		2.4G WLAN	0.633	
	Body	LTE	1.082	1.519
		NFC	0.0000025	
		2.4G WLAN	0.437	



LTE + Bluetooth + NFC+ NFC	Head	LTE	0.427	0.587
		NFC	0.0000025	
		BT	0.160	
	Body	LTE	1.082	1.242
		NFC	0.0000025	
		BT	0.160	
LTE + 5G WLAN+ NFC	Head	LTE	0.427	1.040
		NFC	0.0000025	
		5G WLAN	0.613	
	Body	LTE	1.082	1.100
		NFC	0.0000025	
		5G WLAN	0.018	
	Body	LTE	0.037	0.557
		NFC	0.0000025	
		5G WLAN	0.520	



Simultaneous Mode	Position	Mode	Max. 10-g SAR	10-g Sum SAR
			(W/kg)	(W/kg)
GSM + 2.4G WLAN + NFC	Limbs	GSM	1.011	1.291
		NFC	0.0000010	
		2.4G WLAN	0.280	
GSM + Bluetooth + NFC+ NFC	Limbs	GSM	1.011	1.075
		NFC	0.0000010	
		BT	0.064	
GSM + 5G WLAN+ NFC	Limbs	GSM	1.011	1.442
		NFC	0.0000010	
		5G WLAN	0.431	
WCDMA + 2.4G WLAN + NFC	Limbs	WCDMA	1.404	1.684
		NFC	0.0000010	
		2.4G WLAN	0.280	
WCDMA + Bluetooth + NFC+ NFC	Limbs	WCDMA	1.404	1.468
		NFC	0.0000010	
		BT	0.064	
WCDMA + 5G WLAN+ NFC	Limbs	WCDMA	1.404	1.835
		NFC	0.0000010	
		5G WLAN	0.431	
LTE + 2.4G WLAN + NFC	Limbs	LTE	1.197	1.477
		NFC	0.0000010	
		2.4G WLAN	0.280	
LTE + Bluetooth + NFC+ NFC	Limbs	LTE	1.197	1.261
		NFC	0.0000010	
		BT	0.064	
LTE + 5G WLAN+ NFC	Limbs	LTE	1.197	1.628
		NFC	0.0000010	
		5G WLAN	0.431	

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	2025.02.05	2028.02.04
835MHz Dipole	MVG	DIP0G835	SN 06/22 DIP0G835-639	2025.02.05	2028.02.04
1800MHz Dipole	MVG	DIP1G800	SN 06/22 DIP1G800-640	2025.02.05	2028.02.04
1900MHz Dipole	MVG	DIP1G900	SN 06/22 DIP1G900-641	2025.02.05	2028.02.04
2450MHz Dipole	MVG	DIP2G450	SN 06/22 DIP2G450-645	2025.02.05	2028.02.04
2600MHz Dipole	MVG	DIP2G600	SN 06/22 DIP2G600-646	2025.02.05	2028.02.04
5000MHz Dipole	MVG	DIP5G000	SN 06/22 DIP5G000-653	2025.02.05	2028.02.04
E-Field Probe	MVG	EPGO364	SN 04/22 EPGO364	2025.02.05	2028.02.04
Liquid Calibration Kit	MVG	OCPG 87	SN 06/22 OCPG87	2025.02.05	2028.02.04
Antenna	MVG	ANTA 73	SN 06/22 ANTA 73	N/A	N/A
Ellipsoid Phantom	MVG	ELLI 51	SN 06/22 ELLI 51	N/A	N/A
Phantom	MVG	SAM 148	SN 06/22 SAM148	N/A	N/A
Phone holder	MVG	MSH 117	SN 06/22 MSH 117	N/A	N/A
Laptop positioner	MVG	LSH 36	SN 06/22 LSH 38	N/A	N/A
Directional coupler	SHW	SHWDCP	202203280013	N/A	N/A
Network Analyzer	ZVL	R&S	116184	2025.03.05	2026.03.04
Multi Meter	DMM6500	Keithley	4527252	2025.03.06	2026.03.05
Signal Generator	Keysight	N5182B	MY59100717	2025.03.05	2026.03.04
Wireless Communication Test Set	R&S	CMW500	137737	2025.03.05	2026.03.04
Power Sensor	R&S	Z11	116184	2025.03.05	2026.03.04
Electronic Temperature hygrometer	N/A	ST-W2318	N/A	2025.03.05	2026.03.04
Temperature hygrometer	N/A	TP101	N/A	2025.03.05	2026.03.04



Appendix A. System Validation Plots

System Performance Check Data (750MHz)

Type: Phone measurement (Complete)

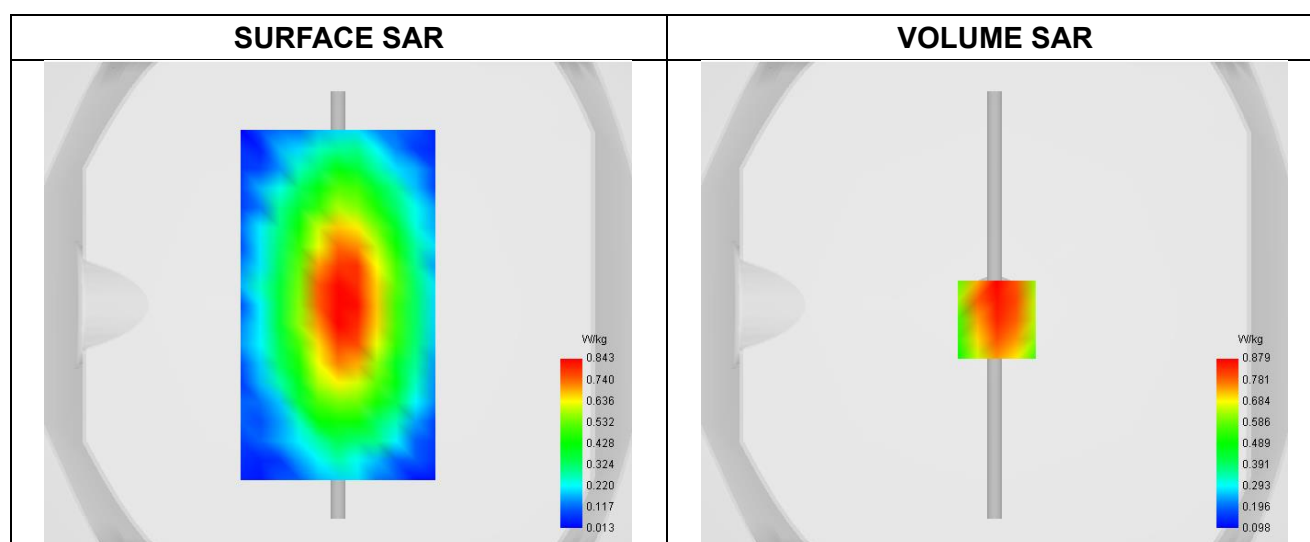
Area scan resolution: dx=8mm,dy=8mm

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

Date of measurement: 2025-06-22

Experimental conditions.

Phantom	Validation plane
Device Position	Dipole
Band	CW750
Channels	Middle
Signal	CW
Frequency (MHz)	750.000
Relative permittivity	42.12
Conductivity (S/m)	0.92
Probe	SN 04/22 EPGO364
ConvF	1.67
Crest factor:	1:1

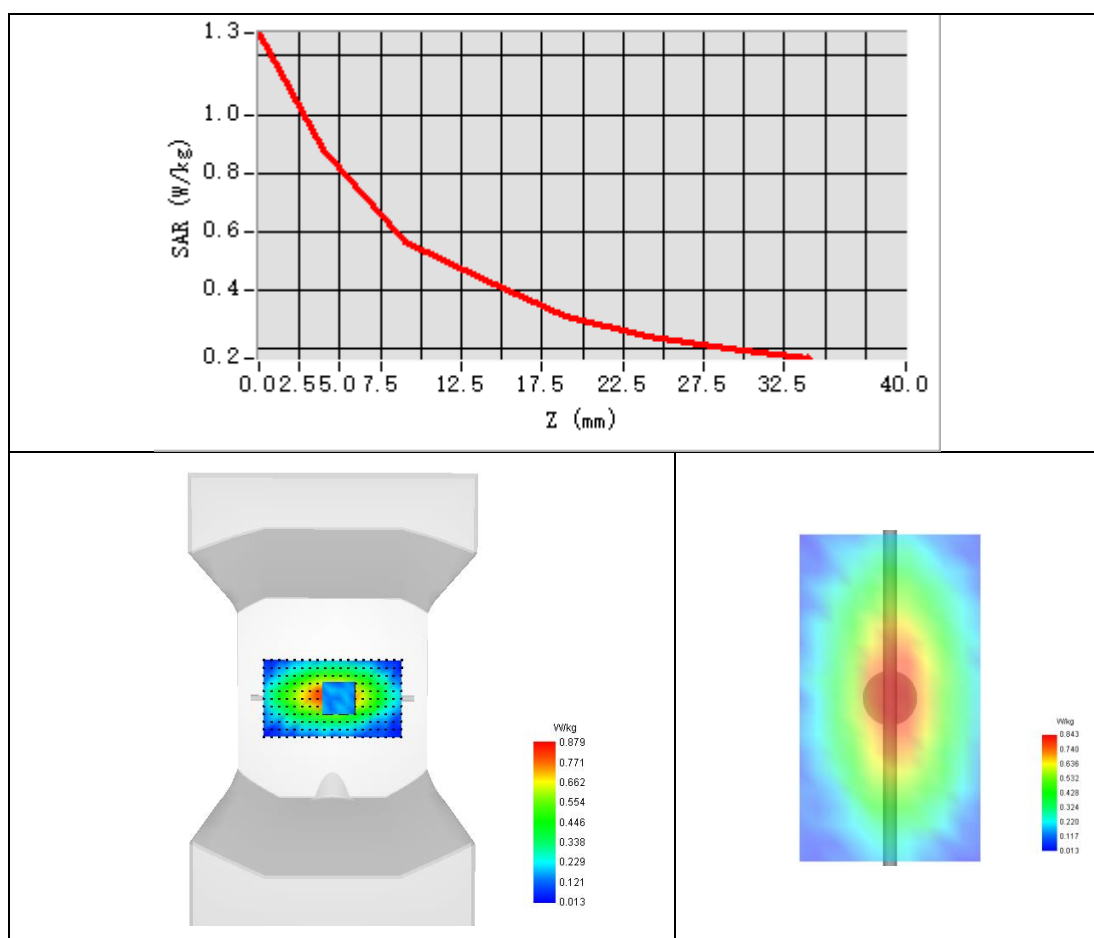


Maximum location: X=1.00, Y=-6.00 ; SAR Peak: 1.20 W/kg

SAR 10g (W/Kg)	0.535
SAR 1g (W/Kg)	0.825



Z Axis Scan





System Performance Check Data (750MHz)

Type: Phone measurement (Complete)

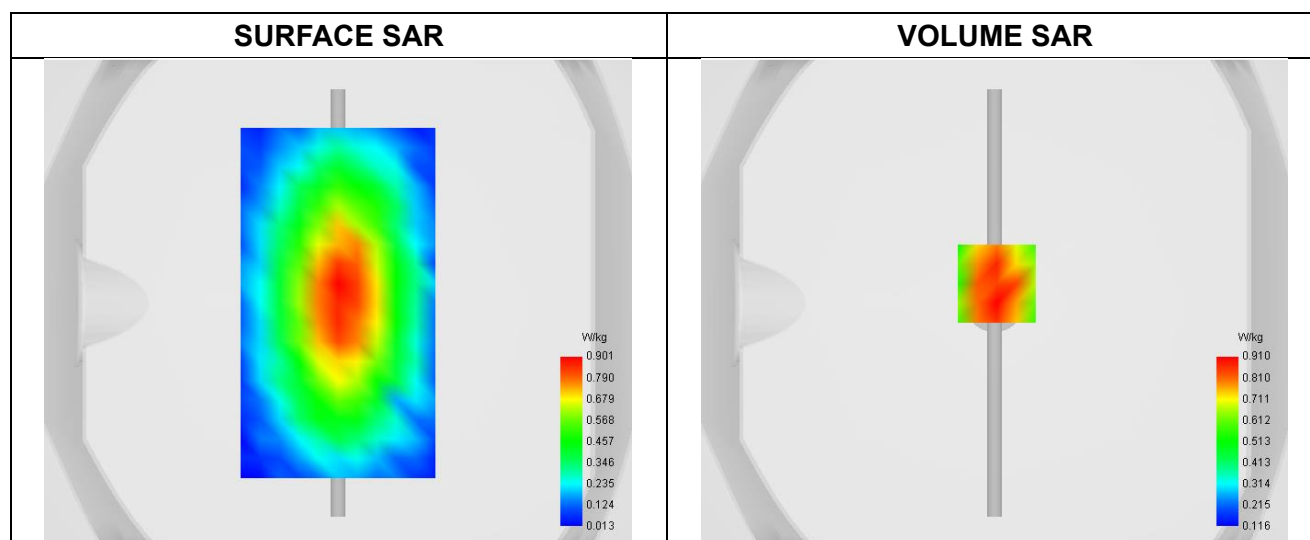
Area scan resolution: dx=8mm,dy=8mm

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

Date of measurement: 2025-06-25

Experimental conditions.

Phantom	Validation plane
Device Position	Dipole
Band	CW750
Channels	Middle
Signal	CW
Frequency (MHz)	750.000
Relative permittivity	42.14
Conductivity (S/m)	0.86
Probe	SN 04/22 EPGO364
ConvF	1.67
Crest factor:	1:1

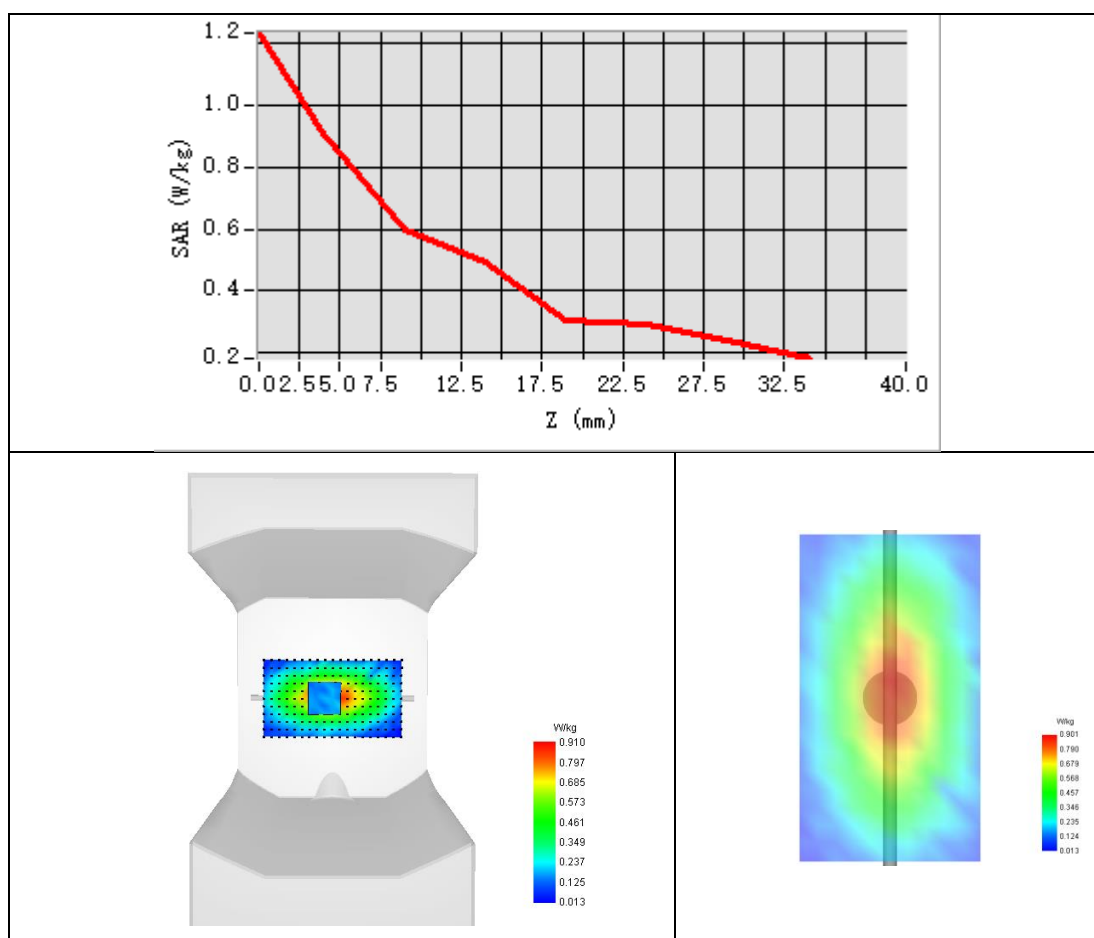


Maximum location: X=1.00, Y=8.00 ; SAR Peak: 1.17 W/kg

SAR 10g (W/Kg)	0.558
SAR 1g (W/Kg)	0.875



Z Axis Scan





System Performance Check Data (835MHz)

Type: Phone measurement (Complete)

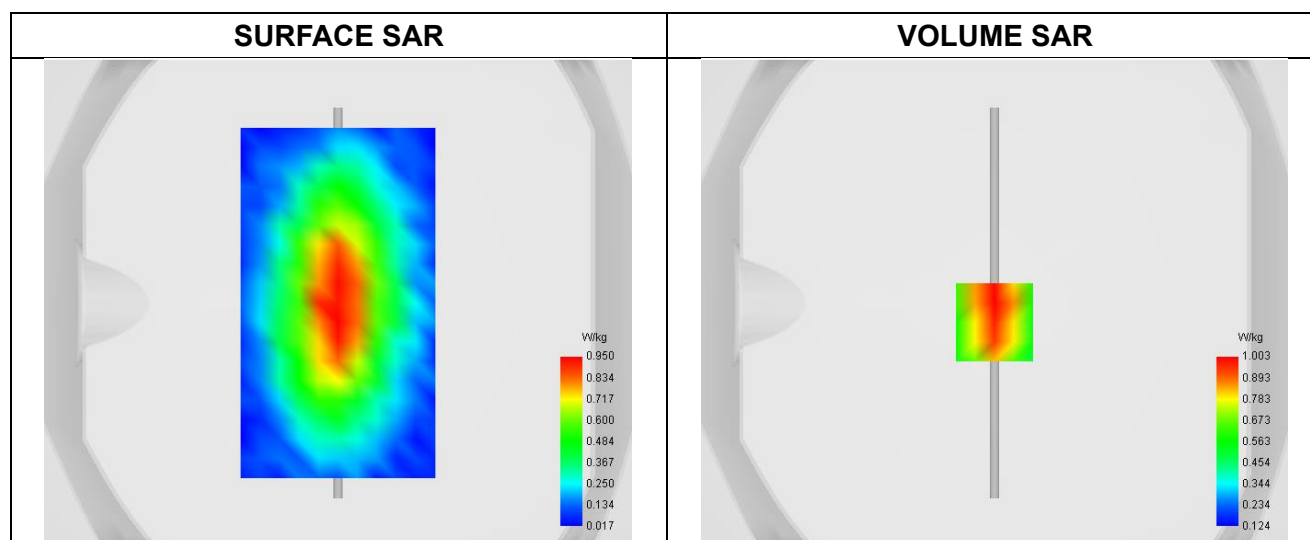
Area scan resolution: dx=8mm,dy=8mm

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

Date of measurement: 2025-06-23

Experimental conditions.

Phantom	Validation plane
Device Position	Dipole
Band	CW835
Channels	Middle
Signal	CW
Frequency (MHz)	835.000
Relative permittivity	41.01
Conductivity (S/m)	0.89
Probe	SN 04/22 EPGO364
ConvF	1.72
Crest factor:	1:1

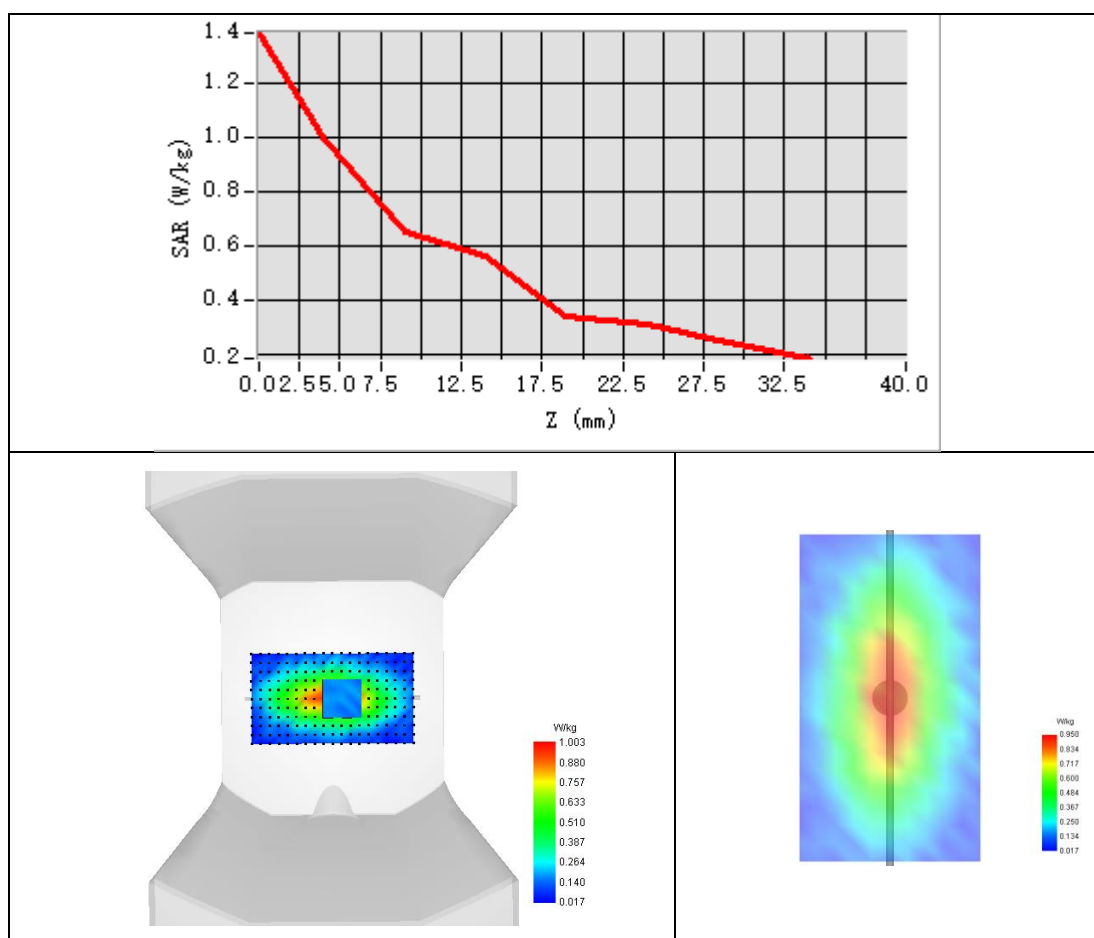


Maximum location: X=0.00, Y=-8.00 ; SAR Peak: 1.48 W/kg

SAR 10g (W/Kg)	0.638
SAR 1g (W/Kg)	0.969



Z Axis Scan





System Performance Check Data (835MHz)

Type: Phone measurement (Complete)

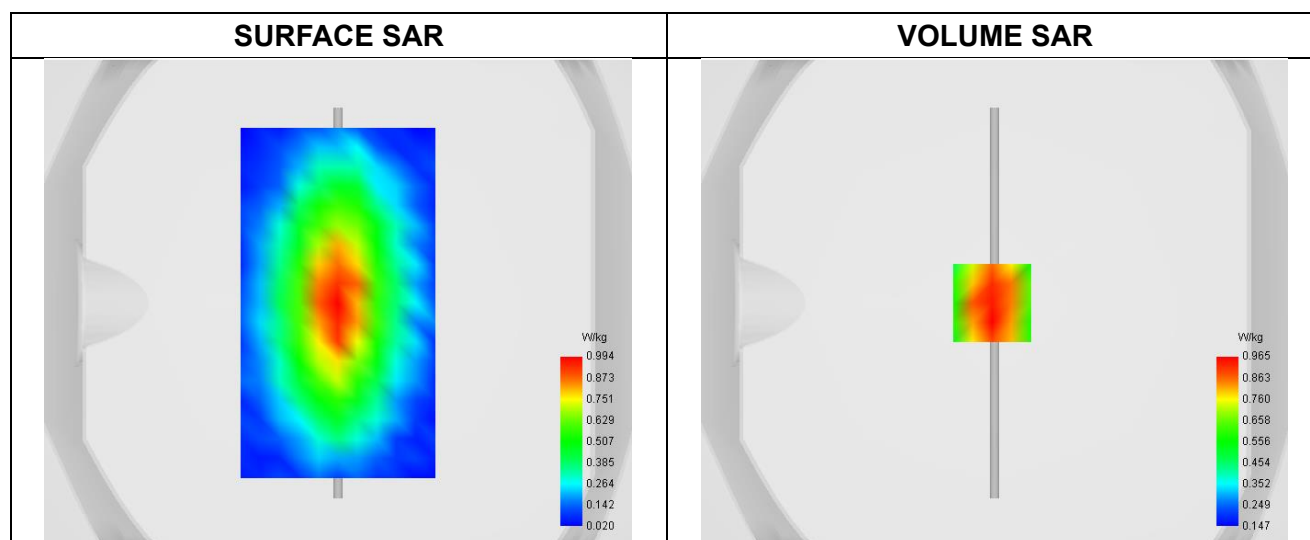
Area scan resolution: dx=8mm,dy=8mm

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

Date of measurement: 2025-06-26

Experimental conditions.

Phantom	Validation plane
Device Position	Dipole
Band	CW835
Channels	Middle
Signal	CW
Frequency (MHz)	835.000
Relative permittivity	42.29
Conductivity (S/m)	0.91
Probe	SN 04/22 EPGO364
ConvF	1.72
Crest factor:	1:1

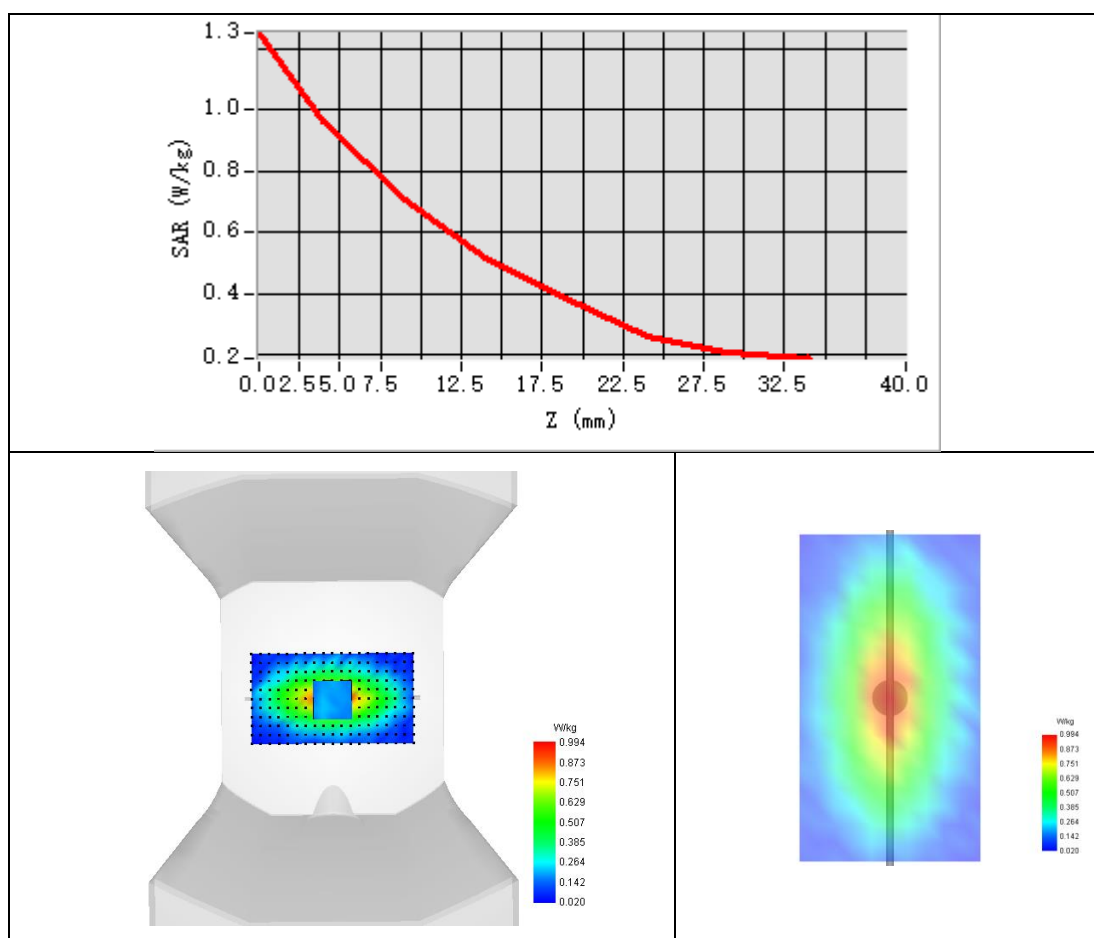


Maximum location: X=-1.00, Y=0.00 ; SAR Peak: 1.29 W/kg

SAR 10g (W/Kg)	0.589
SAR 1g (W/Kg)	0.977



Z Axis Scan





System Performance Check Data (1800MHz)

Type: Phone measurement (Complete)

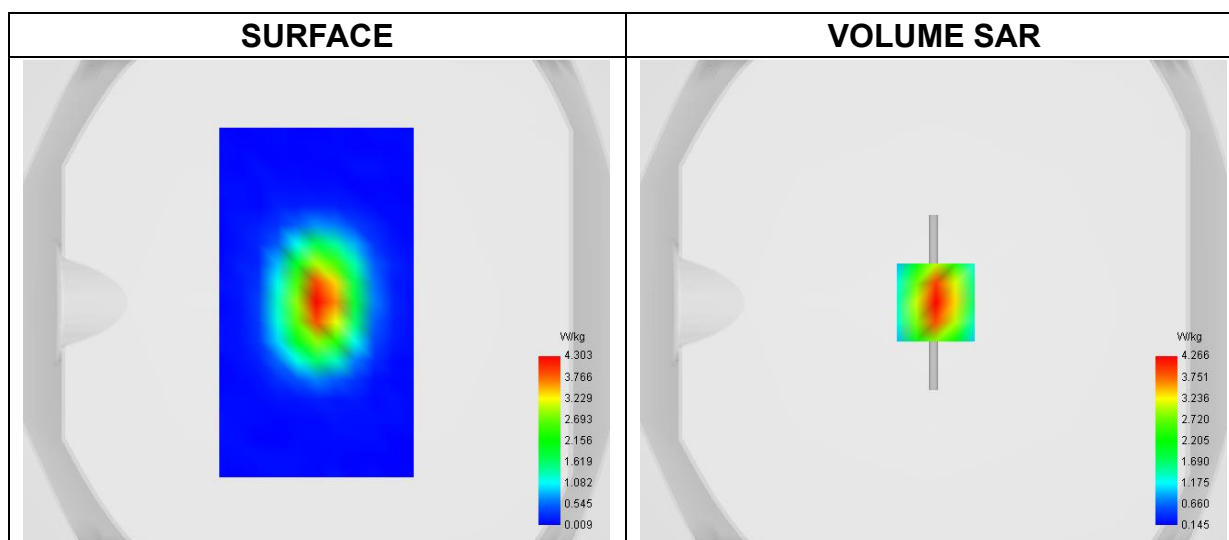
Area scan resolution: dx=8mm, dy=8mm

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

Date of measurement: 2025-06-12

Experimental conditions.

Phantom	Validation plane
Device Position	Dipole
Band	CW1800
Channels	Middle
Signal	CW
Frequency (MHz)	1800.000
Relative permittivity	41.16
Conductivity (S/m)	1.36
Probe	SN 04/22 EPGO364
ConvF	1.92
Crest factor:	1:1

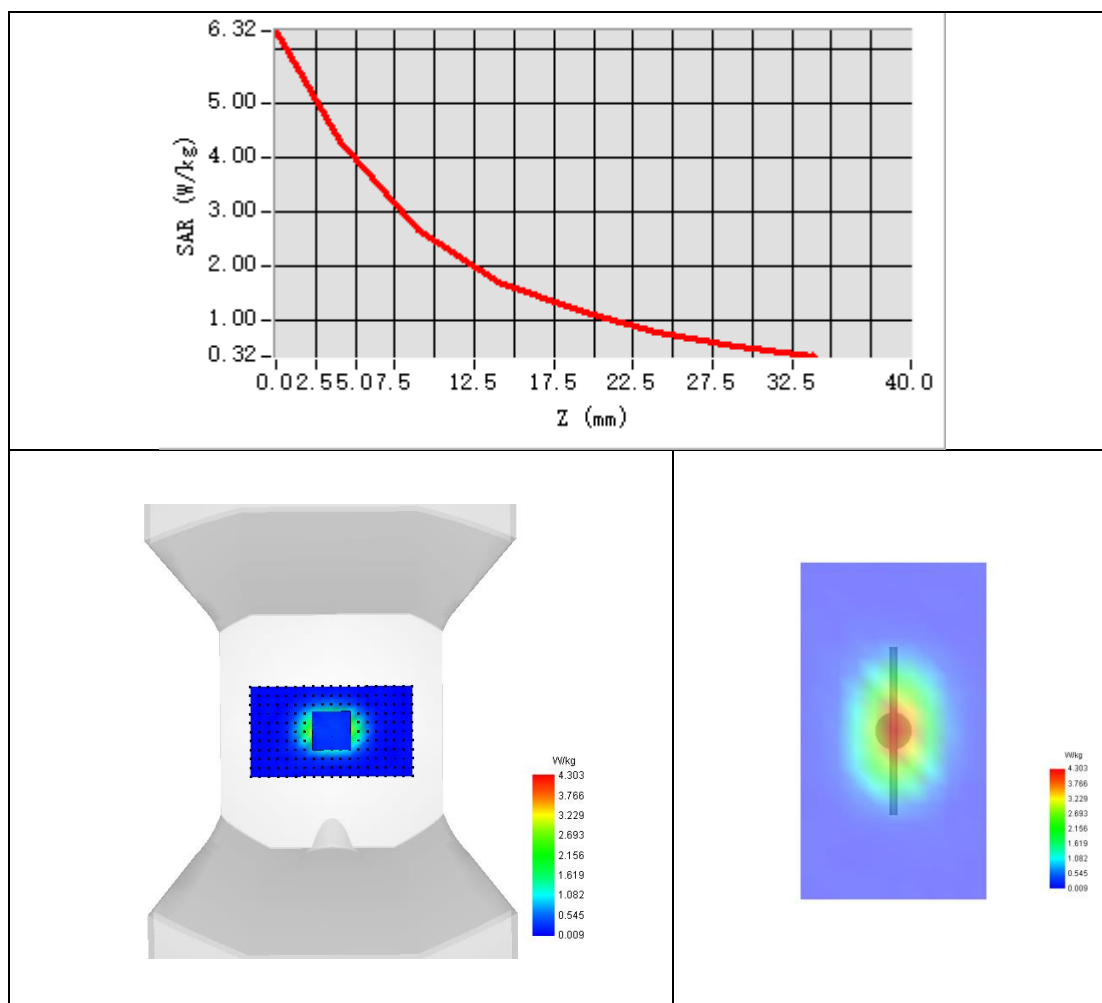


Maximum location: X=1.00, Y=0.00 ; SAR Peak: 6.27 W/kg

SAR 10g (W/Kg)	1.918
SAR 1g (W/Kg)	3.670



Z Axis Scan





System Performance Check Data (1900MHz)

Type: Phone measurement (Complete)

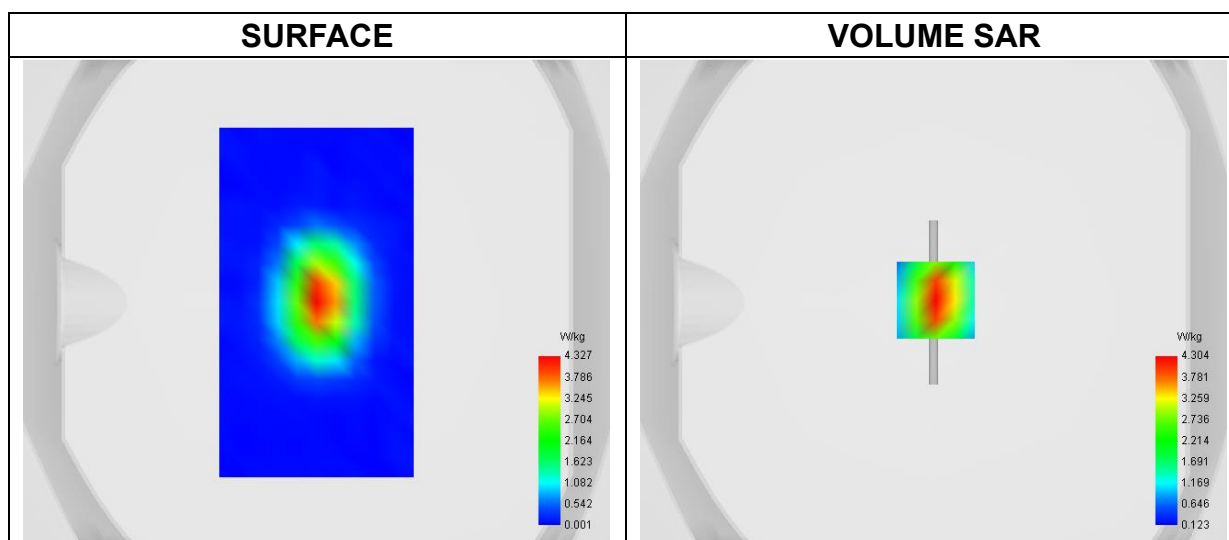
Area scan resolution: dx=8mm, dy=8mm

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

Date of measurement: 2025-06-21

Experimental conditions.

Phantom	Validation plane
Device Position	Dipole
Band	CW1900
Channels	Middle
Signal	CW
Frequency (MHz)	1900.000
Relative permittivity	40.65
Conductivity (S/m)	1.41
Probe	SN 04/22 EPGO364
ConvF	2.20
Crest factor:	1:1

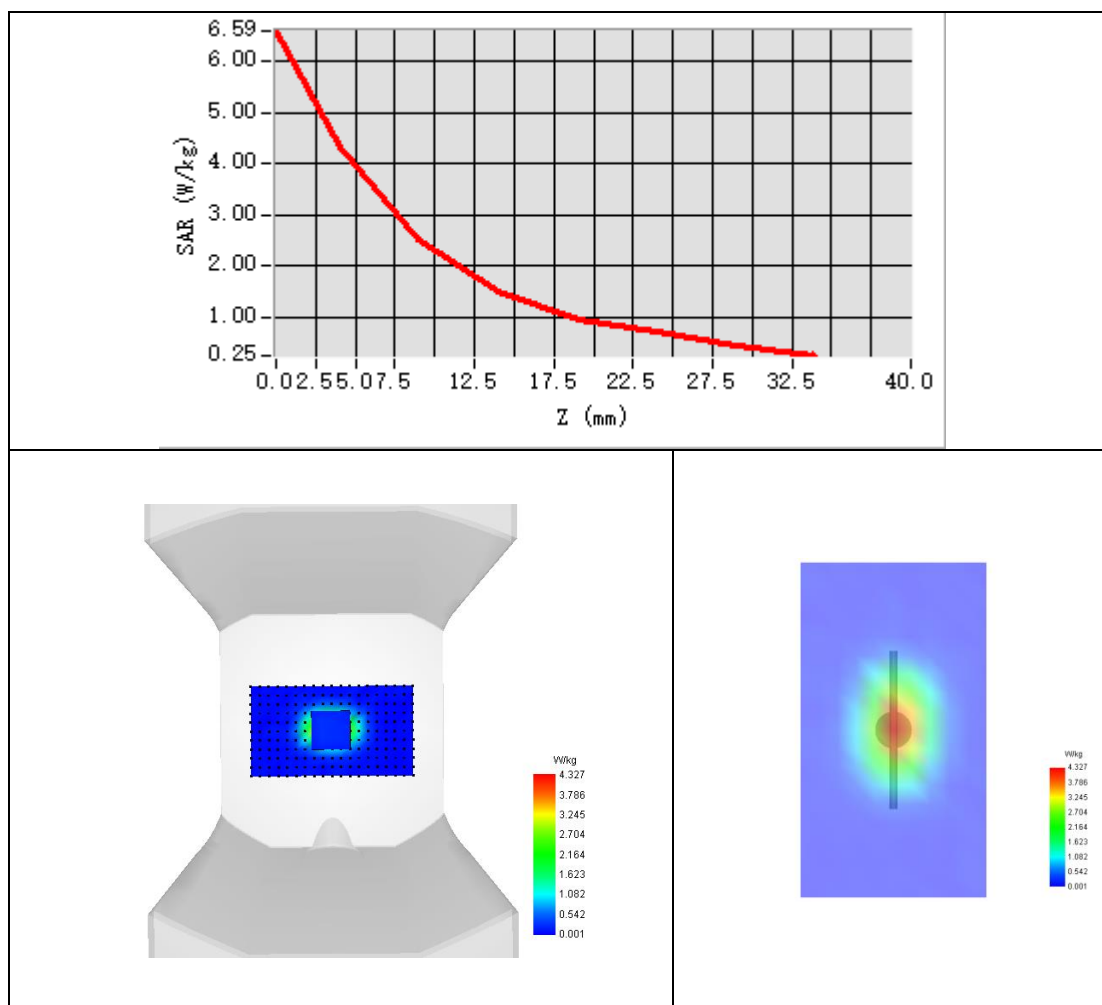


Maximum location: X=1.00, Y=1.00 ; SAR Peak: 6.64 W/kg

SAR 10g (W/Kg)	2.079
SAR 1g (W/Kg)	4.011



Z Axis Scan





System Performance Check Data (1900MHz)

Type: Phone measurement (Complete)

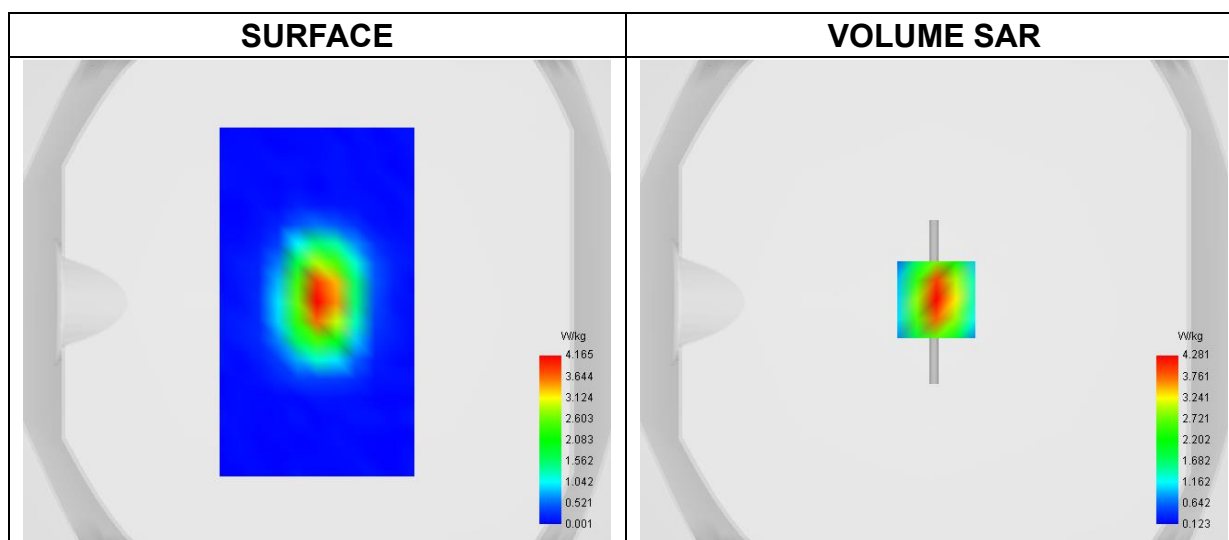
Area scan resolution: dx=8mm, dy=8mm

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

Date of measurement: 2025-06-25

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)	1.46
Probe	SN 04/22 EPGO364
ConvF	2.20
Crest factor:	1:1

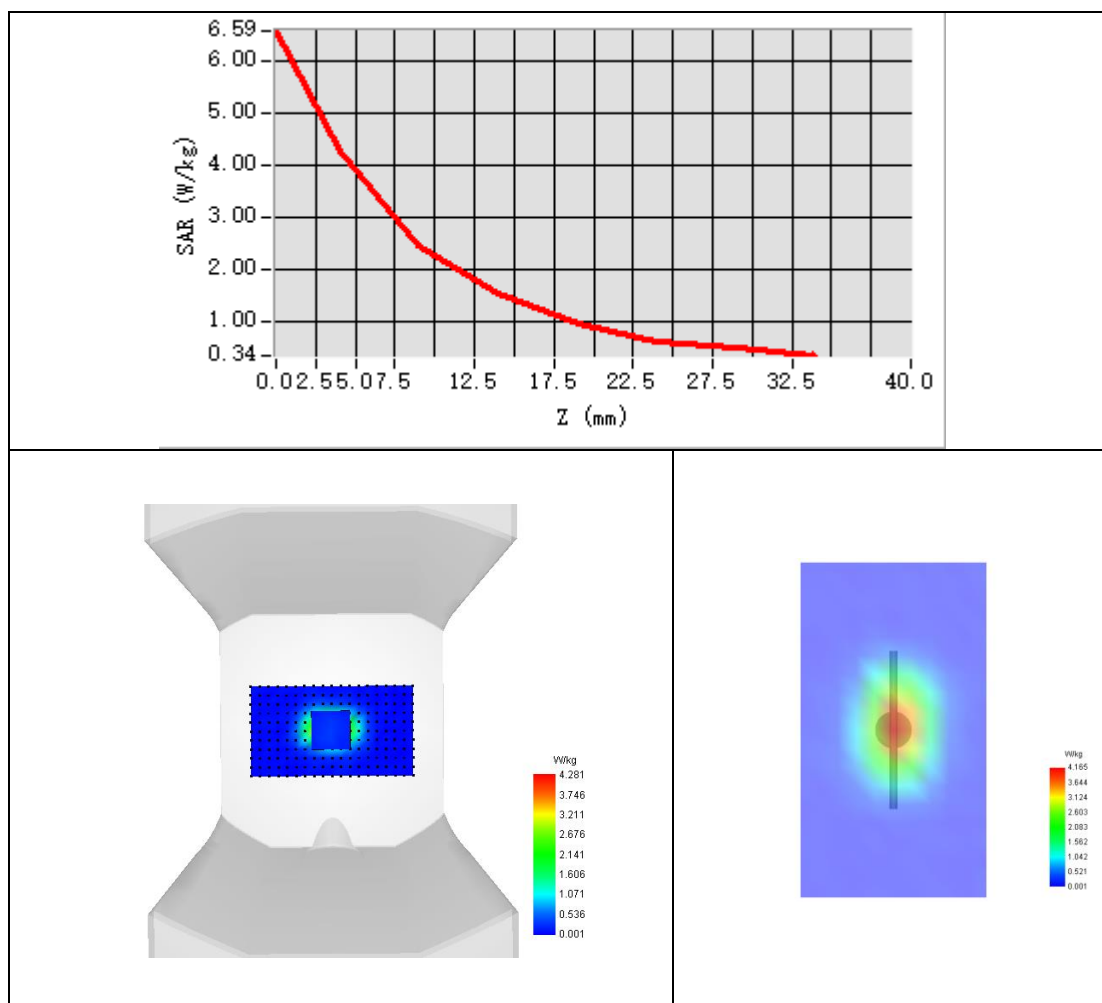


Maximum location: X=1.00, Y=1.00 ; SAR Peak: 6.79 W/kg

SAR 10g (W/Kg)	2.093
SAR 1g (W/Kg)	4.121



Z Axis Scan





System Performance Check Data (2450MHz)

Type: Phone measurement (Complete)

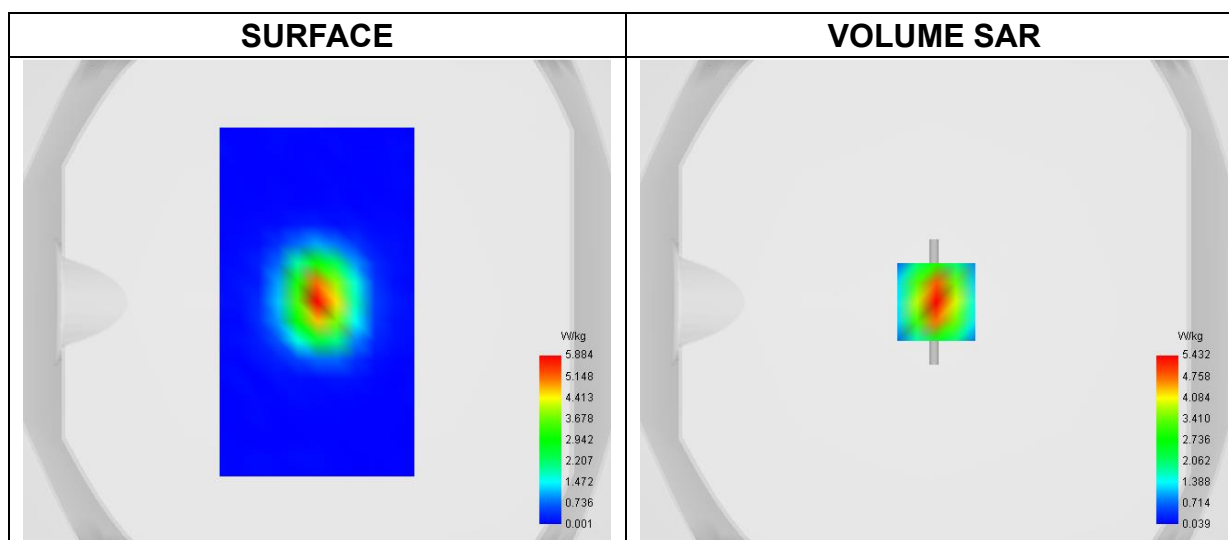
Area scan resolution: dx=8mm, dy=8mm

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

Date of measurement: 2025-06-26

Experimental conditions.

Phantom	Validation plane
Device Position	Dipole
Band	CW2450
Channels	Middle
Signal	CW
Frequency (MHz)	2450.000
Relative permittivity	39.59
Conductivity (S/m)	1.82
Probe	SN 04/22 EPGO364
ConvF	2.33
Crest factor:	1:1

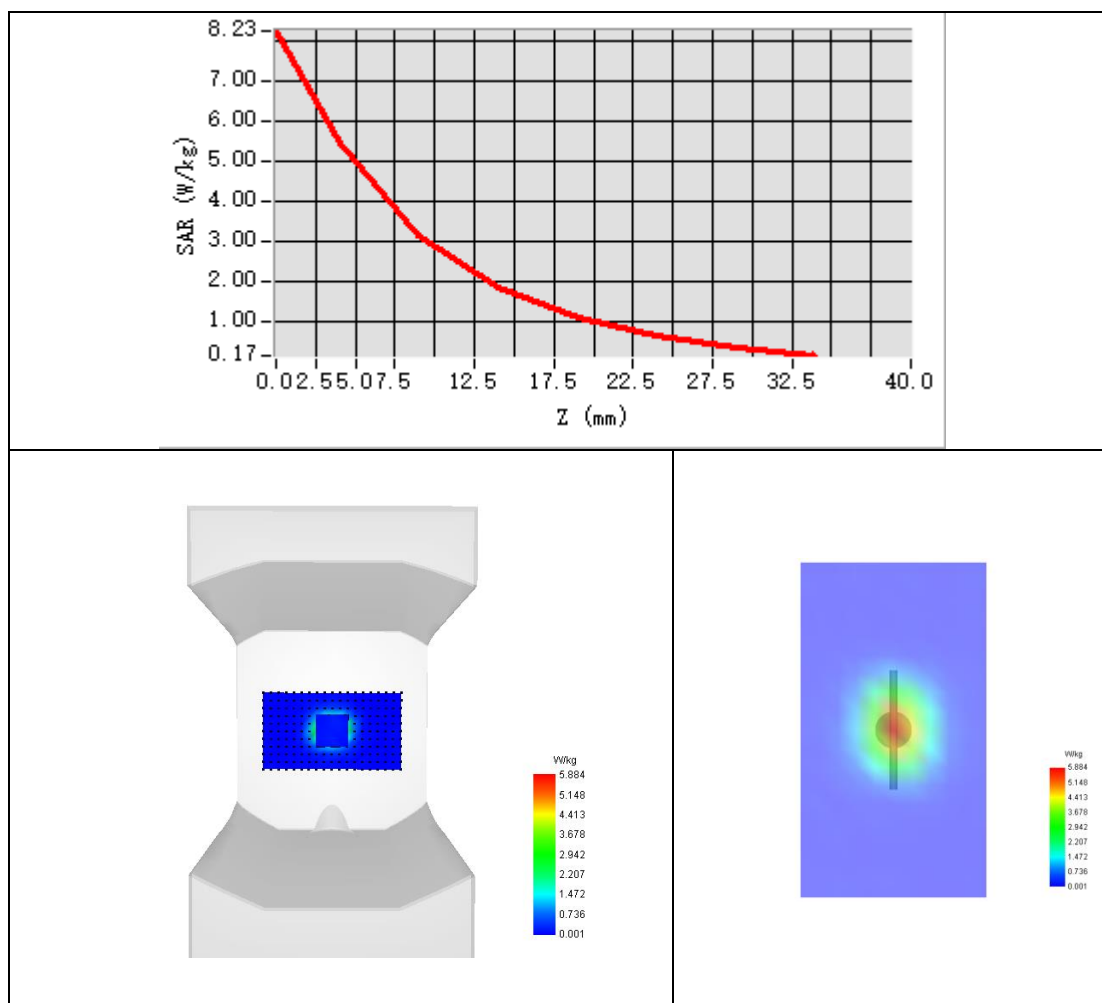


Maximum location: X=1.00, Y=0.00 ; SAR Peak: 8.27 W/kg

SAR 10g (W/Kg)	2.449
SAR 1g (W/Kg)	5.319



Z Axis Scan





System Performance Check Data (2600MHz)

Type: Phone measurement (Complete)

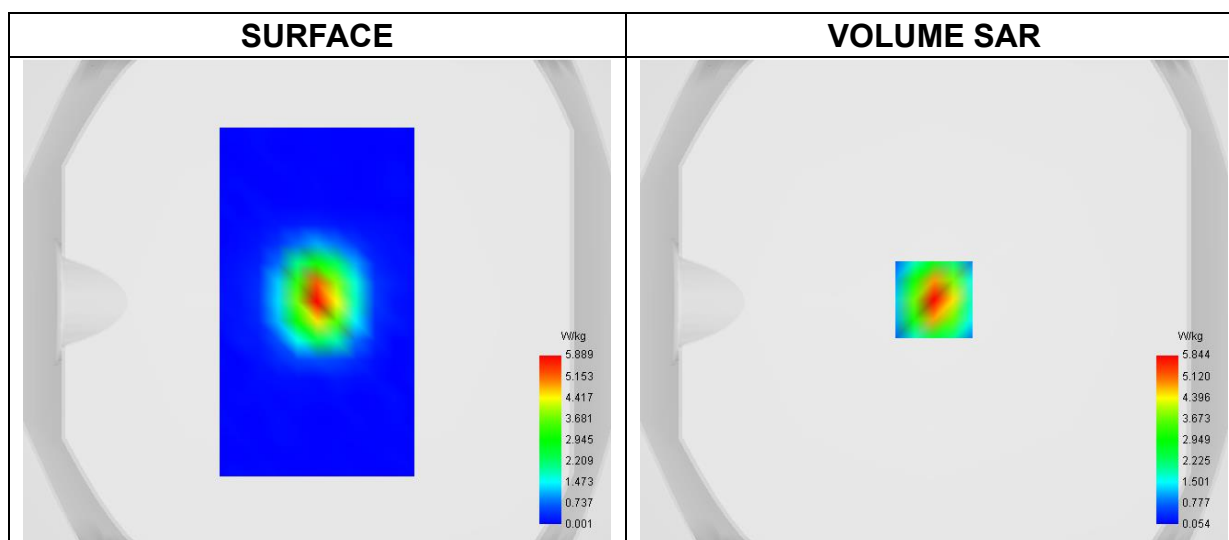
Area scan resolution: dx=8mm, dy=8mm

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

Date of measurement: 2025-06-01

Experimental conditions.

Phantom	Validation plane
Device Position	Dipole
Band	CW2600
Channels	Middle
Signal	CW
Frequency (MHz)	2600.000
Relative permittivity	38.96
Conductivity (S/m)	2.02
Probe	SN 04/22 EPGO364
ConvF	2.37
Crest factor:	1:1

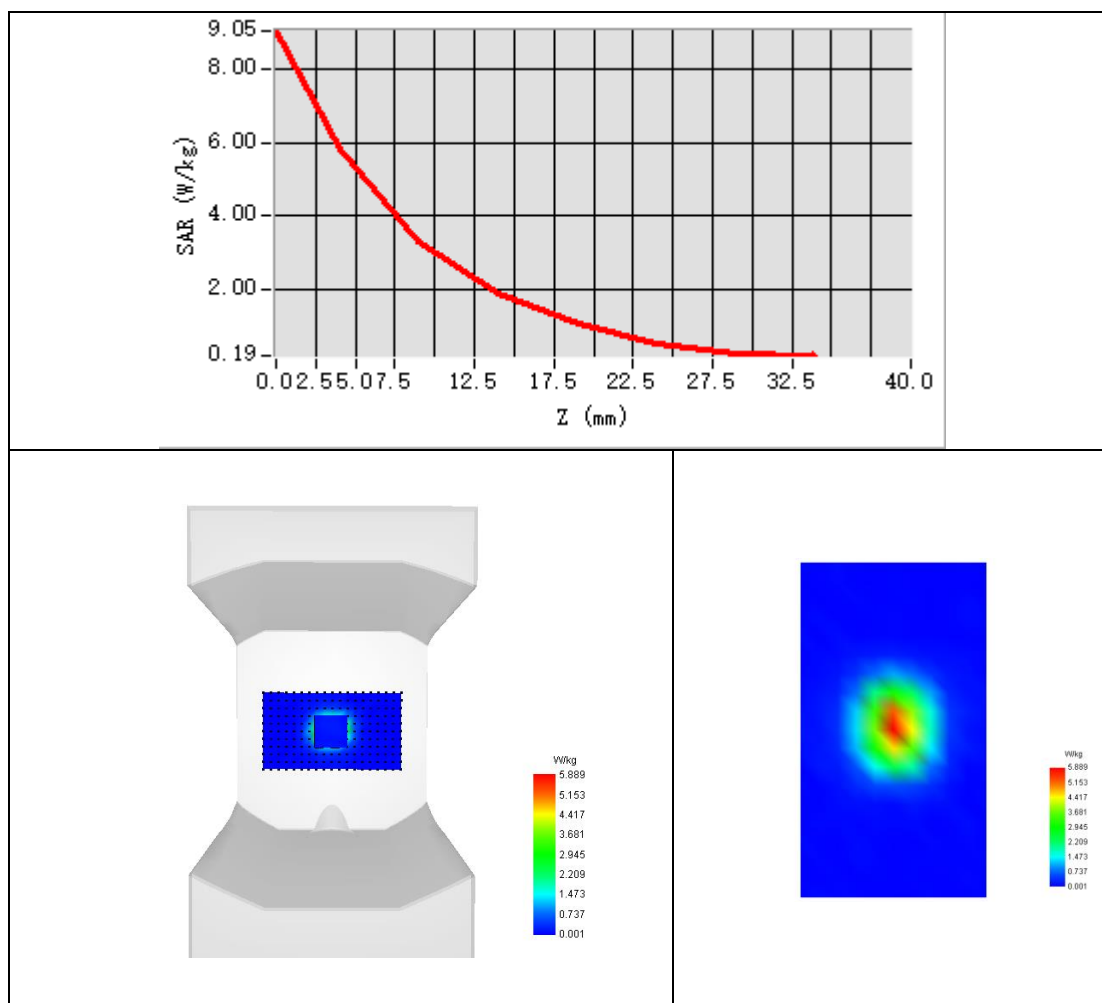


Maximum location: X=0.00, Y=1.00 ; SAR Peak: 9.00 W/kg

SAR 10g (W/Kg)	2.540
SAR 1g (W/Kg)	5.670



Z Axis Scan





System Performance Check Data (2600MHz)

Type: Phone measurement (Complete)

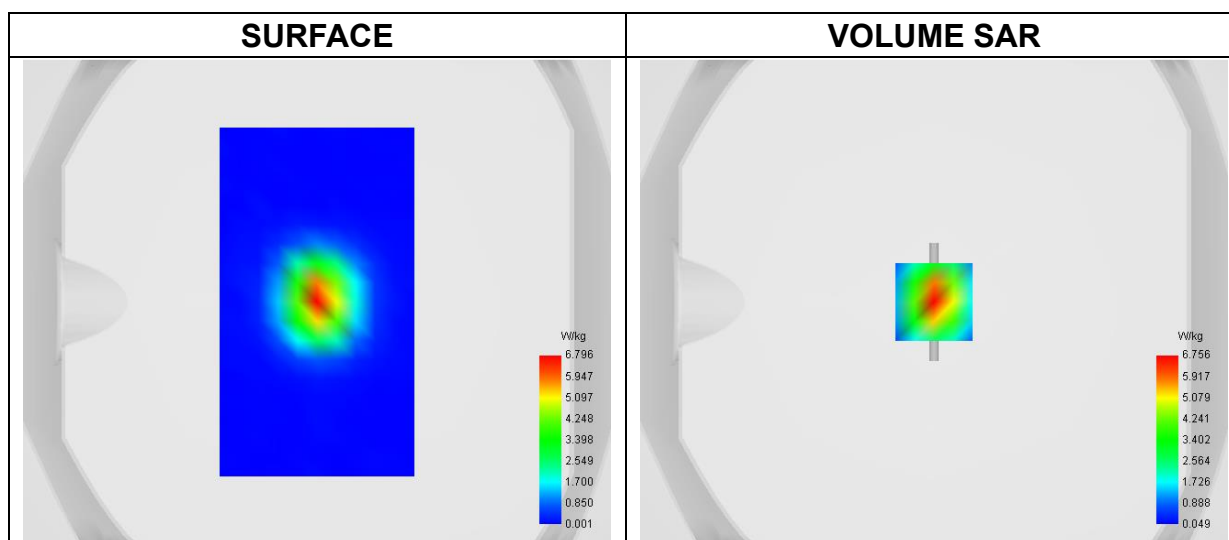
Area scan resolution: dx=8mm, dy=8mm

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

Date of measurement: 2025-06-24

Experimental conditions.

Phantom	Validation plane
Device Position	Dipole
Band	CW2600
Channels	Middle
Signal	CW
Frequency (MHz)	2600.000
Relative permittivity	39.91
Conductivity (S/m)	1.98
Probe	SN 04/22 EPGO364
ConvF	2.37
Crest factor:	1:1

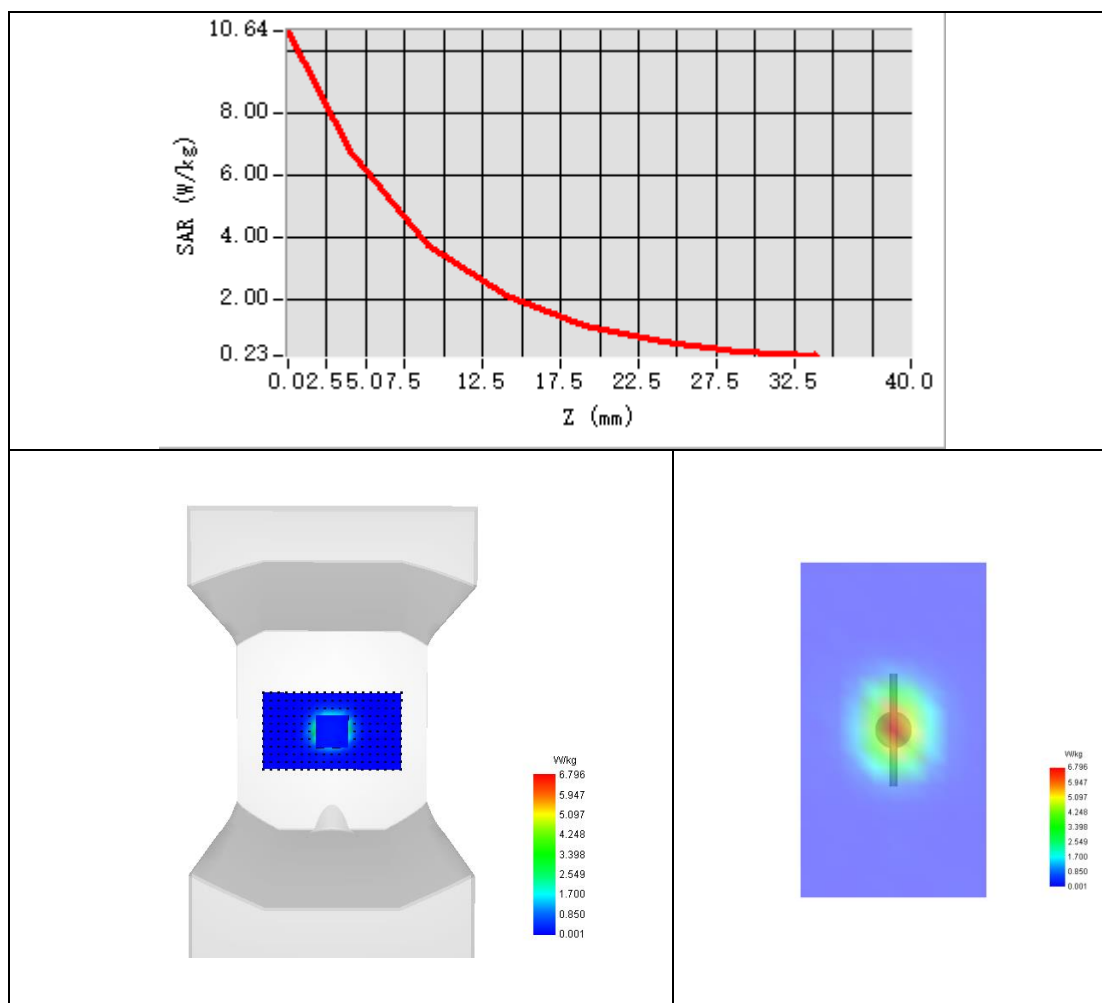


Maximum location: X=0.00, Y=0.00 ; SAR Peak: 10.62 W/kg

SAR 10g (W/Kg)	2.547
SAR 1g (W/Kg)	5.622



Z Axis Scan





System Performance Check Data (5200MHz)

Type: Phone measurement (Complete)

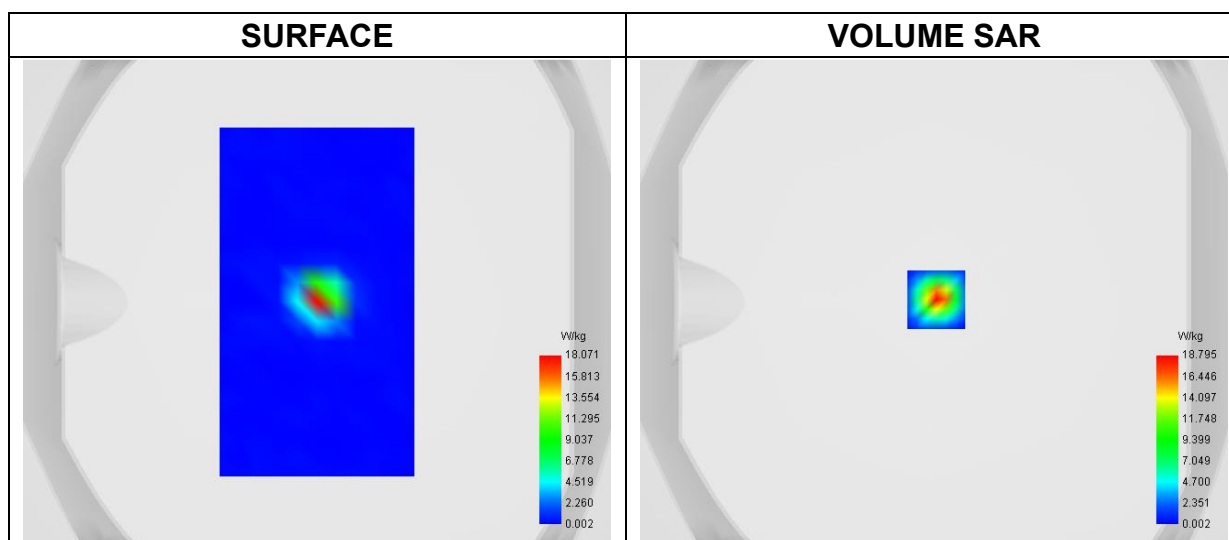
Area scan resolution: dx=8mm, dy=8mm

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

Date of measurement: 2025-06-27

Experimental conditions.

Phantom	Validation plane
Device Position	Dipole
Band	CW5200
Channels	Middle
Signal	CW
Frequency (MHz)	5200.000
Relative permittivity	36.66
Conductivity (S/m)	4.60
Probe	SN 04/22 EPGO364
ConvF	1.99
Crest factor:	1:1

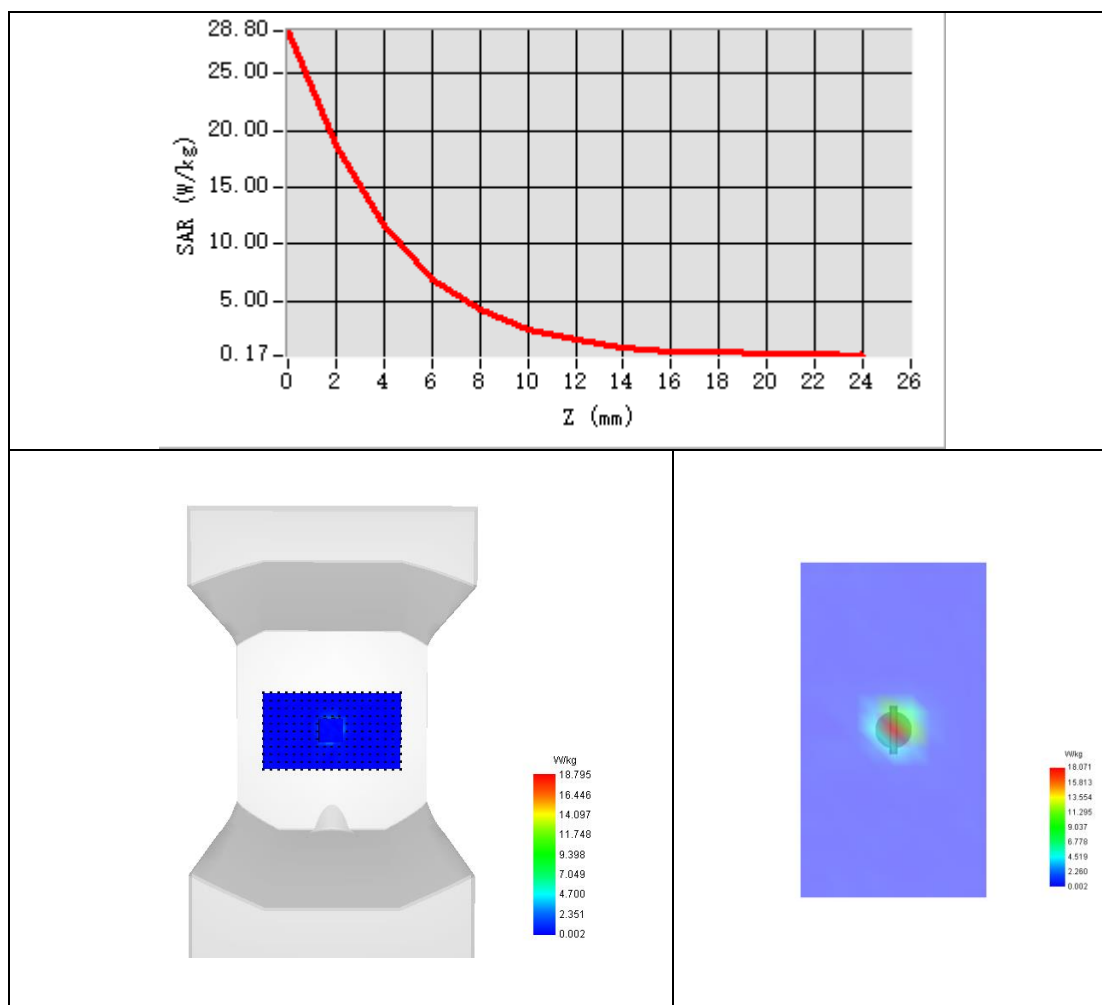


Maximum location: X=1.00, Y=1.00 ; SAR Peak: 29.43 W/kg

SAR 10g (W/Kg)	2.299
SAR 1g (W/Kg)	7.807



Z Axis Scan





System Performance Check Data (5400MHz)

Type: Phone measurement (Complete)

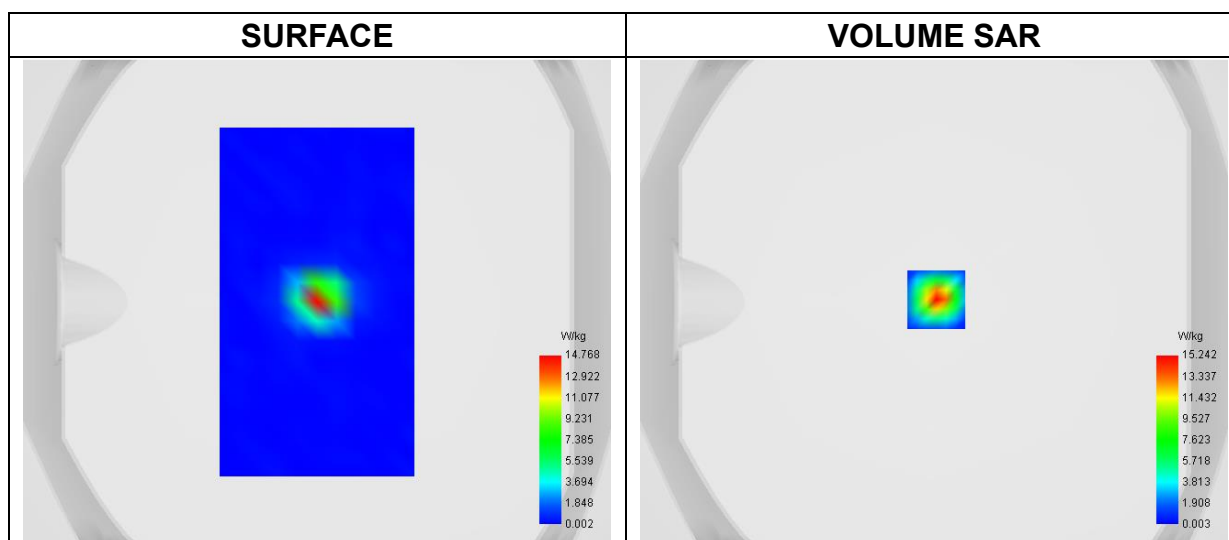
Area scan resolution: dx=8mm, dy=8mm

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

Date of measurement: 2025-06-27

Experimental conditions.

Phantom	Validation plane
Device Position	Dipole
Band	CW5400
Channels	Middle
Signal	CW
Frequency (MHz)	5400.000
Relative permittivity	36.35
Conductivity (S/m)	4.88
Probe	SN 04/22 EPGO364
ConvF	1.87
Crest factor:	1:1

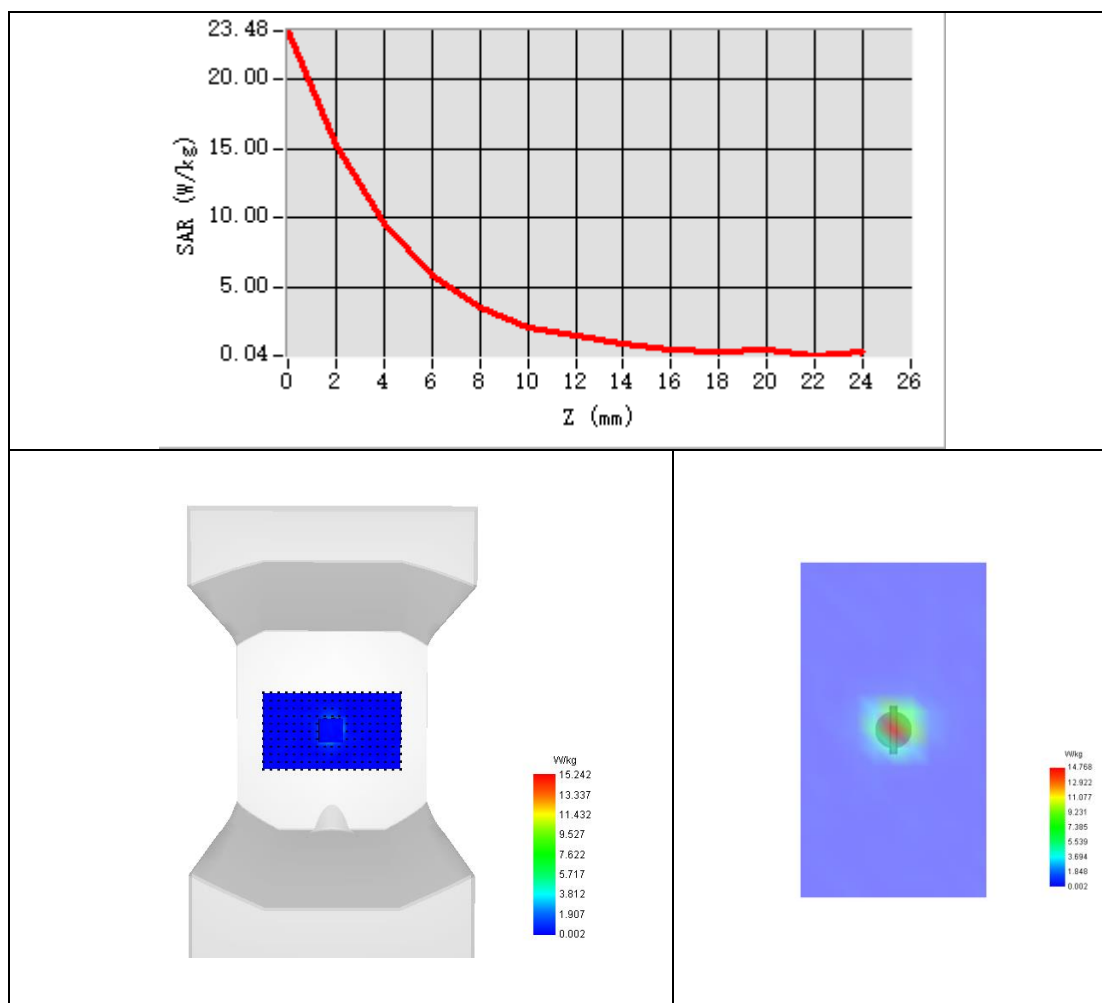


Maximum location: X=1.00, Y=1.00 ; SAR Peak: 23.44 W/kg

SAR 10g (W/Kg)	2.245
SAR 1g (W/Kg)	7.703



Z Axis Scan





System Performance Check Data (5600MHz)

Type: Phone measurement (Complete)

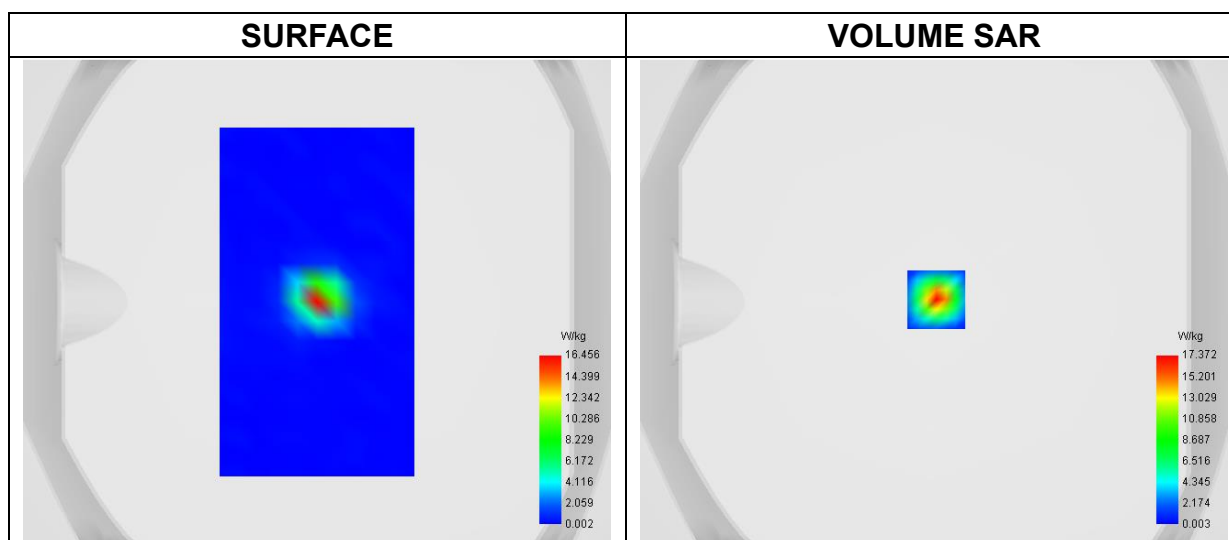
Area scan resolution: dx=8mm, dy=8mm

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

Date of measurement: 2025-06-28

Experimental conditions.

Phantom	Validation plane
Device Position	Dipole
Band	CW5600
Channels	Middle
Signal	CW
Frequency (MHz)	5600.000
Relative permittivity	36.49
Conductivity (S/m)	5.05
Probe	SN 04/22 EPGO364
ConvF	1.87
Crest factor:	1:1

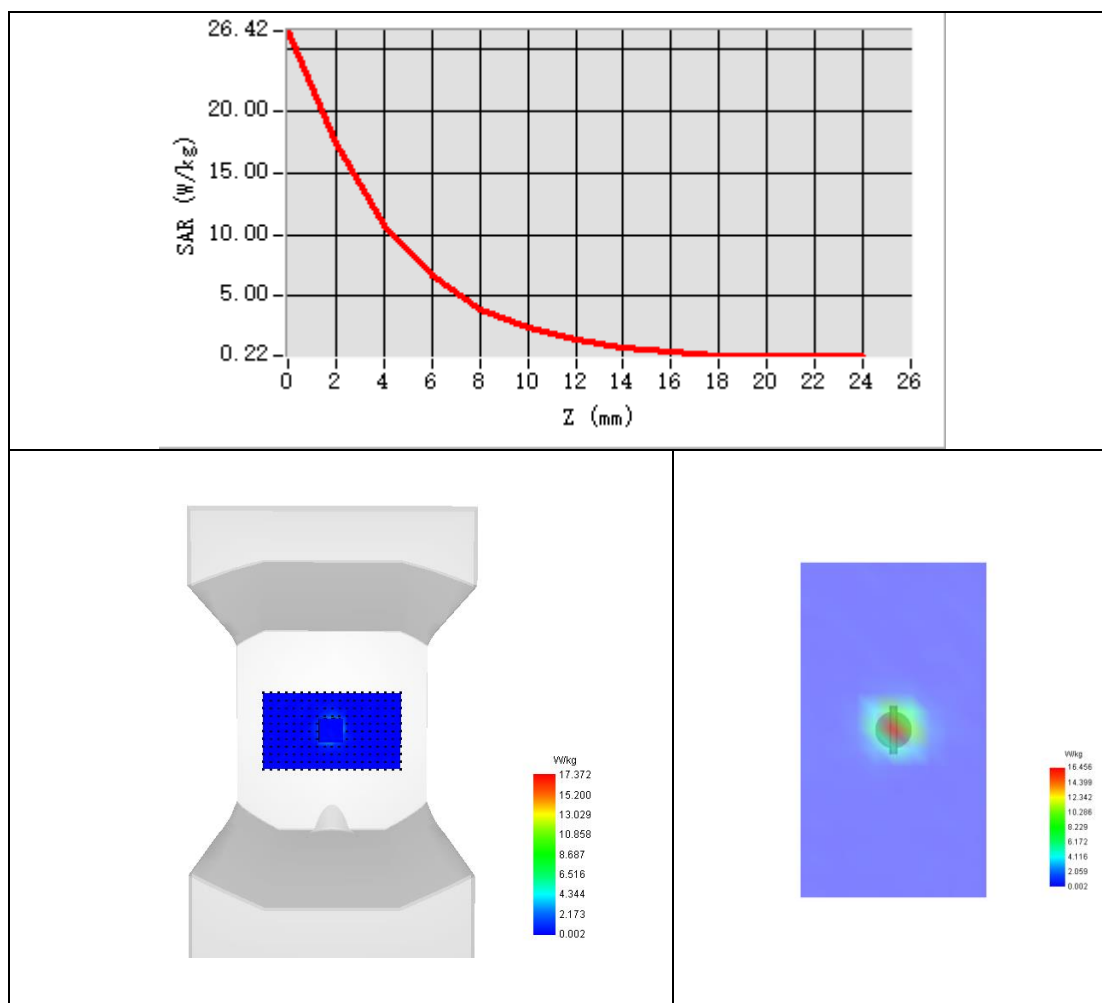


Maximum location: X=1.00, Y=1.00 ; SAR Peak: 26.42 W/kg

SAR 10g (W/Kg)	2.419
SAR 1g (W/Kg)	8.202



Z Axis Scan





System Performance Check Data (5800MHz)

Type: Phone measurement (Complete)

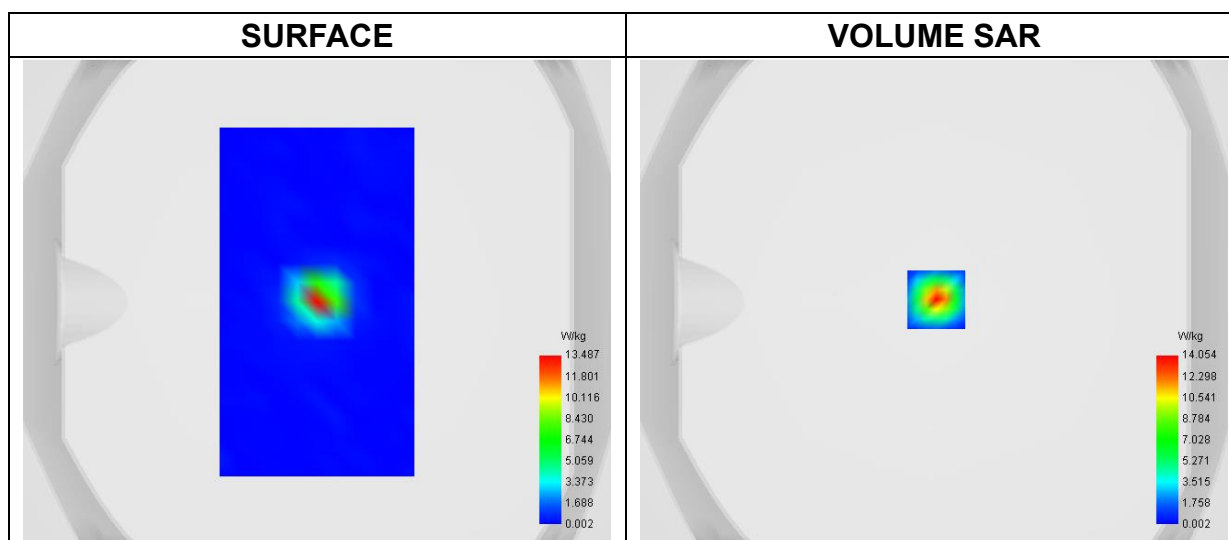
Area scan resolution: dx=8mm, dy=8mm

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

Date of measurement: 2025-06-28

Experimental conditions.

Phantom	Validation plane
Device Position	Dipole
Band	CW5800
Channels	Middle
Signal	CW
Frequency (MHz)	5800.000
Relative permittivity	35.48
Conductivity (S/m)	5.23
Probe	SN 04/22 EPGO364
ConvF	1.70
Crest factor:	1:1

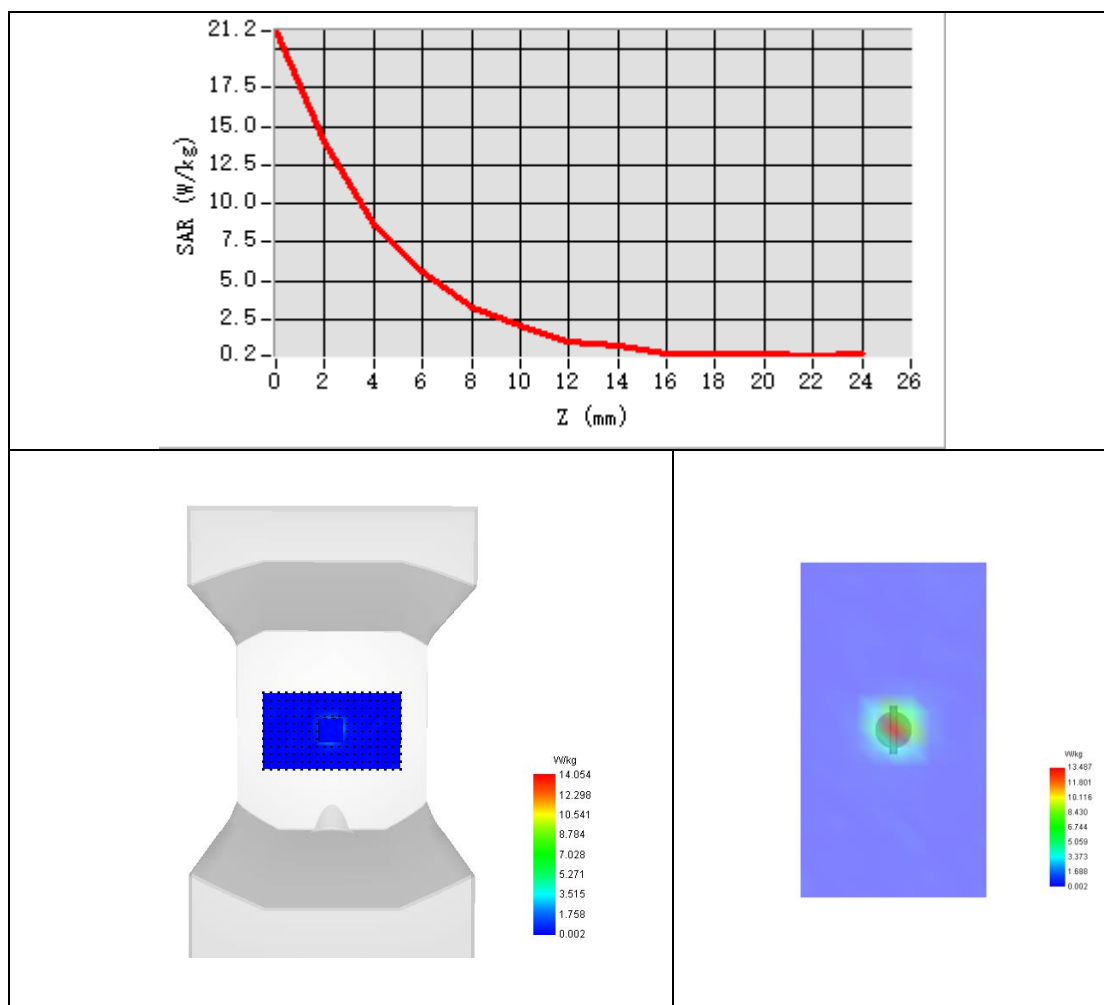


Maximum location: X=1.00, Y=1.00 ; SAR Peak: 23.18 W/kg

SAR 10g (W/Kg)	2.341
SAR 1g (W/Kg)	8.064



Z Axis Scan



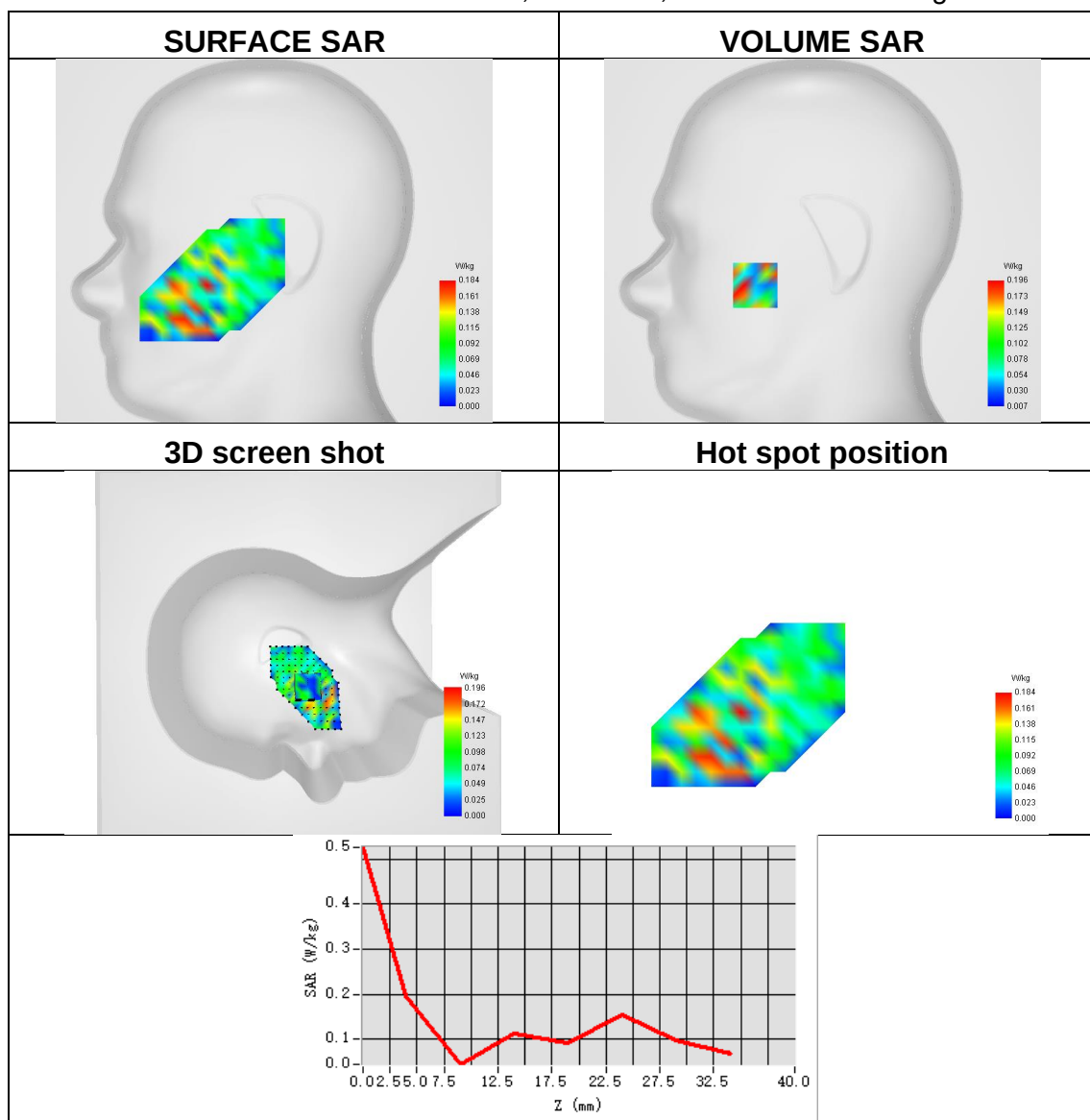


Appendix B. SAR Test Plots

Plot 1:

Test Date	2025-06-26
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	848.8
SAR 10g (W/Kg)	0.182
SAR 1g (W/Kg)	0.296
ConvF	1.72
Relative permittivity	42.29
Conductivity (S/m)	0.91

Maximum location: X=-48.00, Y=-32.00 ; SAR Peak: 0.60 W/kg

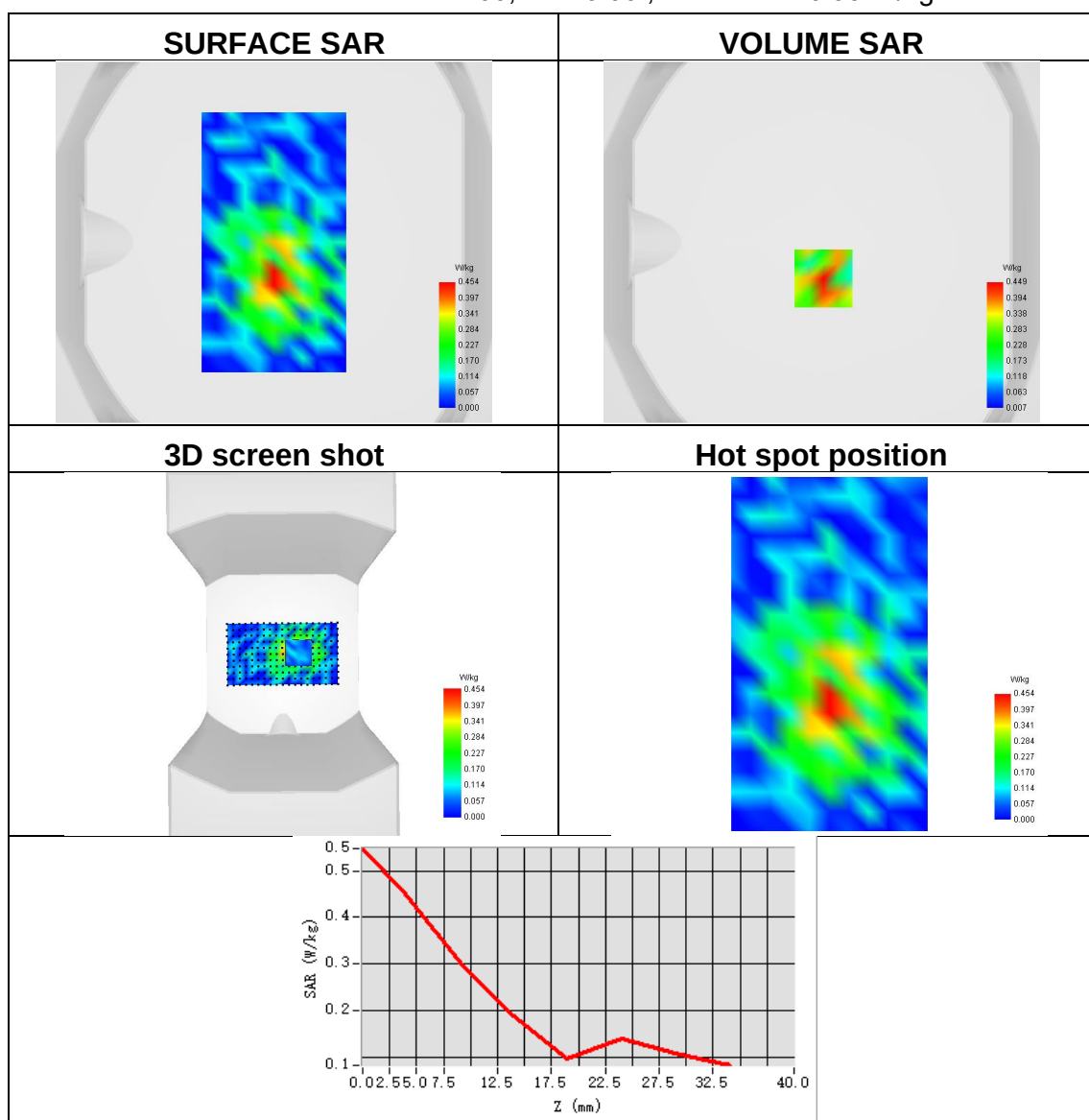




Plot 2:

Test Date	2025-06-26
Area Scan	dx=8mm dy=8mm
Zoom Scan	5x5x7,dx=8mm dy=8mm dz=5mm
Phantom	Validation plane
Device Position	Back Side
Band	GPRS850
Signal	TDMA (GPRS)
Frequency	848.8
SAR 10g (W/Kg)	0.225
SAR 1g (W/Kg)	0.436
ConvF	1.72
Relative permittivity	42.29
Conductivity (S/m)	0.91

Maximum location: X=1.00, Y=-20.00 ; SAR Peak: 0.93 W/kg

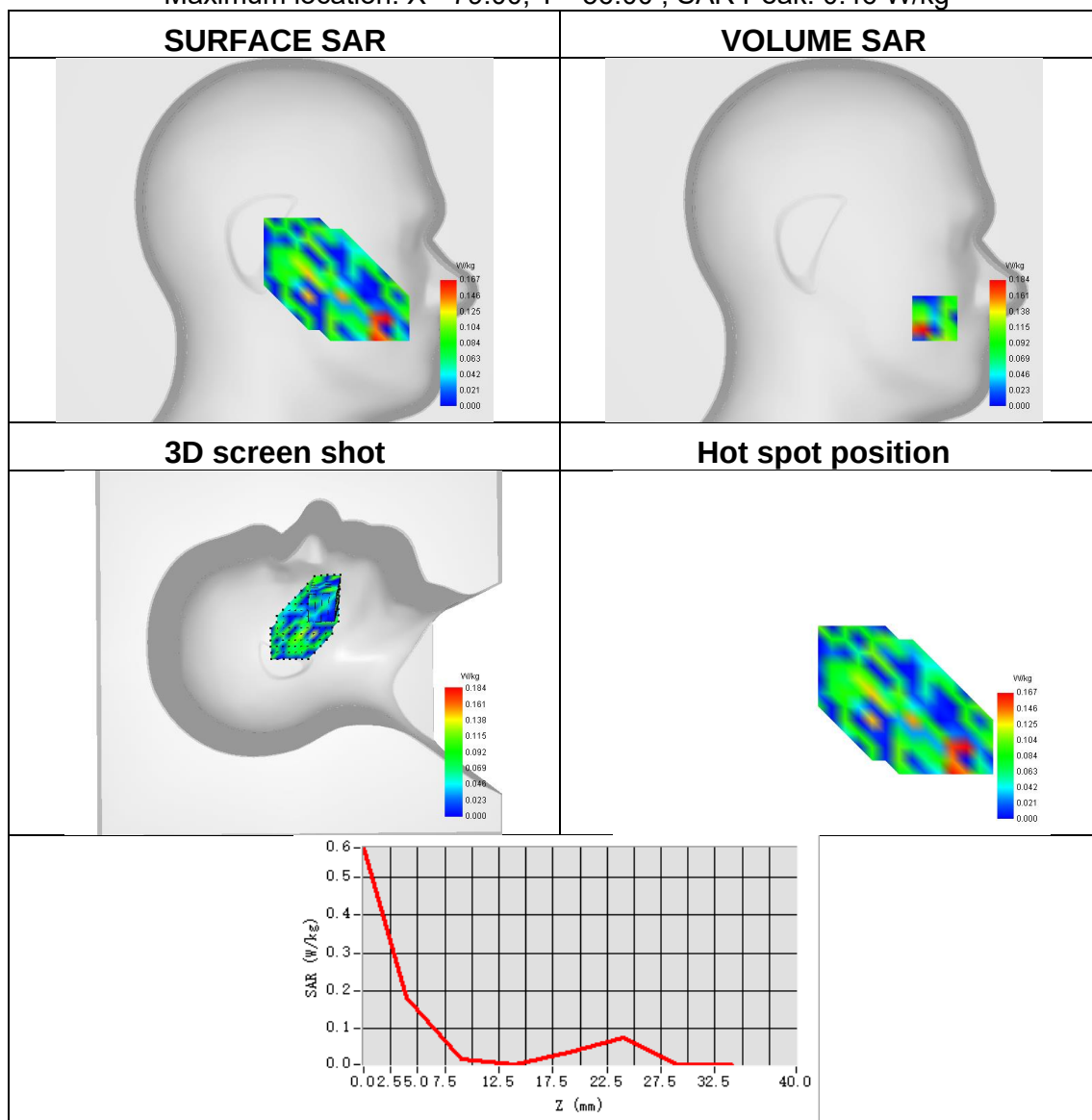




Plot 3:

Test Date	2025-06-21
Area Scan	dx=8mm dy=8mm
Zoom Scan	5x5x7,dx=8mm dy=8mm dz=5mm
Phantom	Left head
Device Position	Cheek
Band	GPRS1900
Signal	TDMA (GPRS)
Frequency	1850.2
SAR 10g (W/Kg)	0.054
SAR 1g (W/Kg)	0.171
ConvF	2.20
Relative permittivity	40.65
Conductivity (S/m)	1.41

Maximum location: X=-79.00, Y=-56.00 ; SAR Peak: 0.46 W/kg

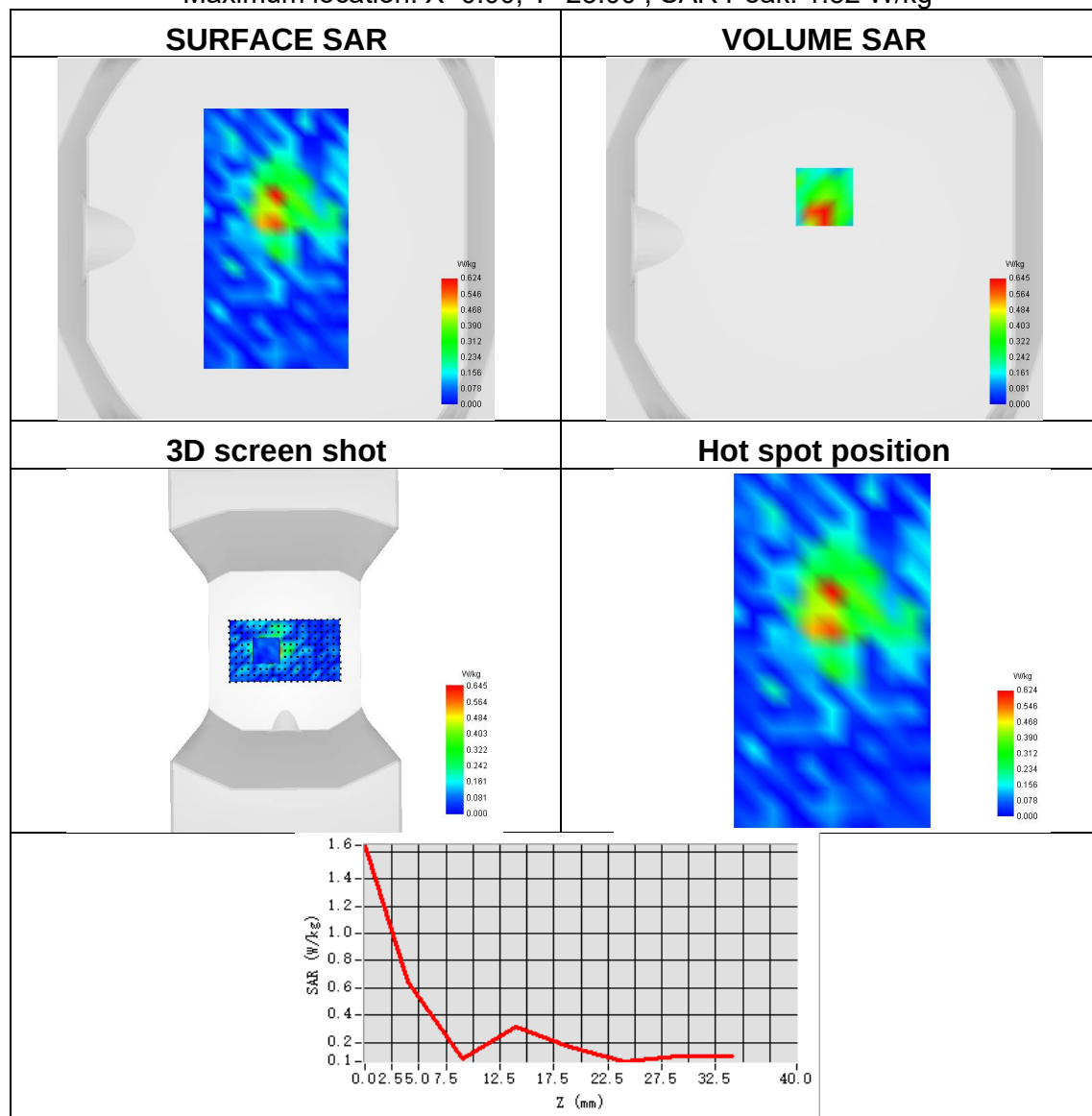




Plot 4:

Test Date	2025-06-21
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	1850.2
SAR 10g (W/Kg)	0.278
SAR 1g (W/Kg)	0.634
ConvF	2.20
Relative permittivity	40.65
Conductivity (S/m)	1.41

Maximum location: X=0.00, Y=23.00 ; SAR Peak: 1.32 W/kg

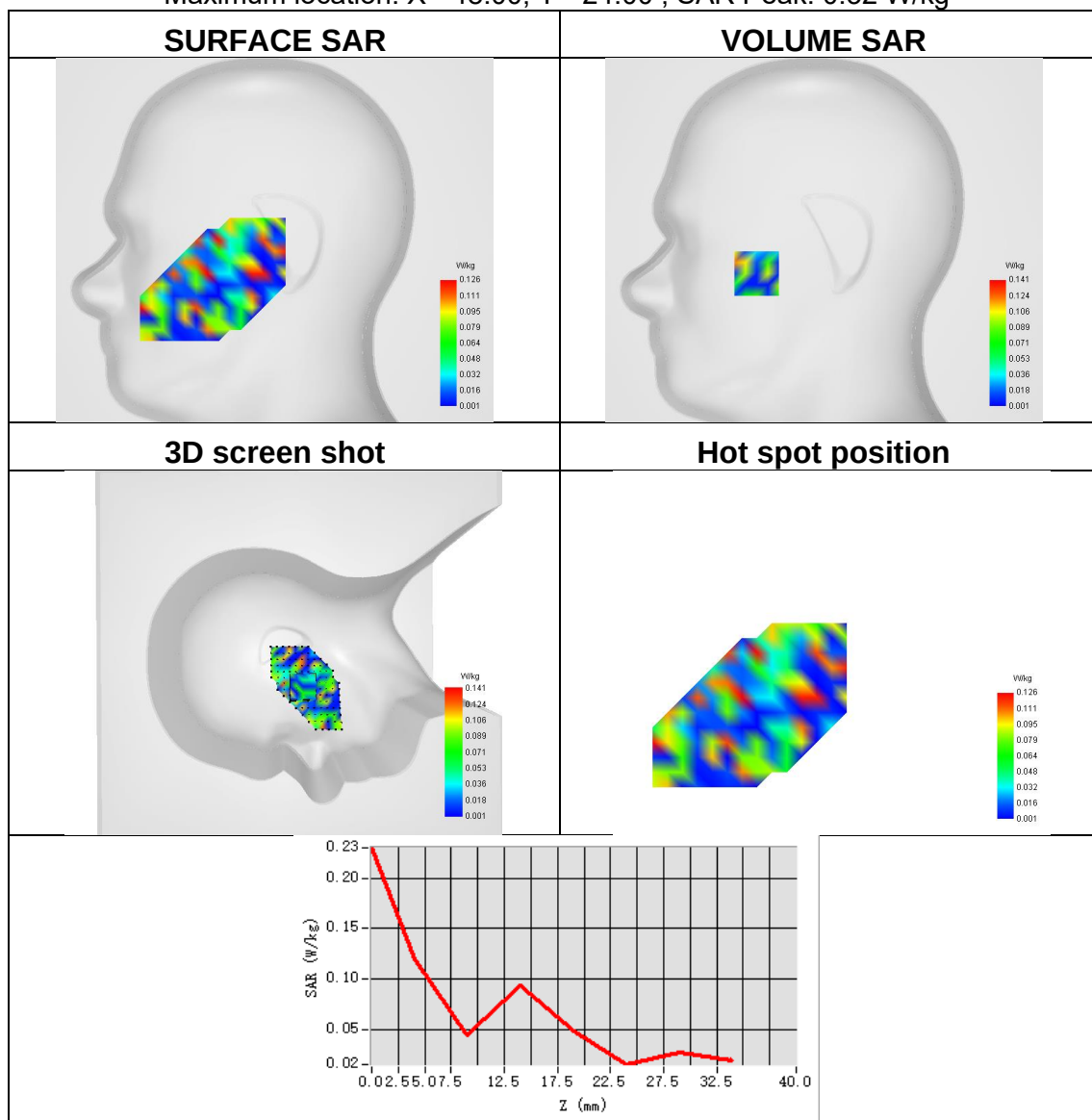




Plot 5:

Test Date	2025-06-21
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	HSDPA
Frequency	1880
SAR 10g (W/Kg)	0.050
SAR 1g (W/Kg)	0.119
ConvF	2.20
Relative permittivity	40.65
Conductivity (S/m)	1.41

Maximum location: X=-48.00, Y=-24.00 ; SAR Peak: 0.32 W/kg

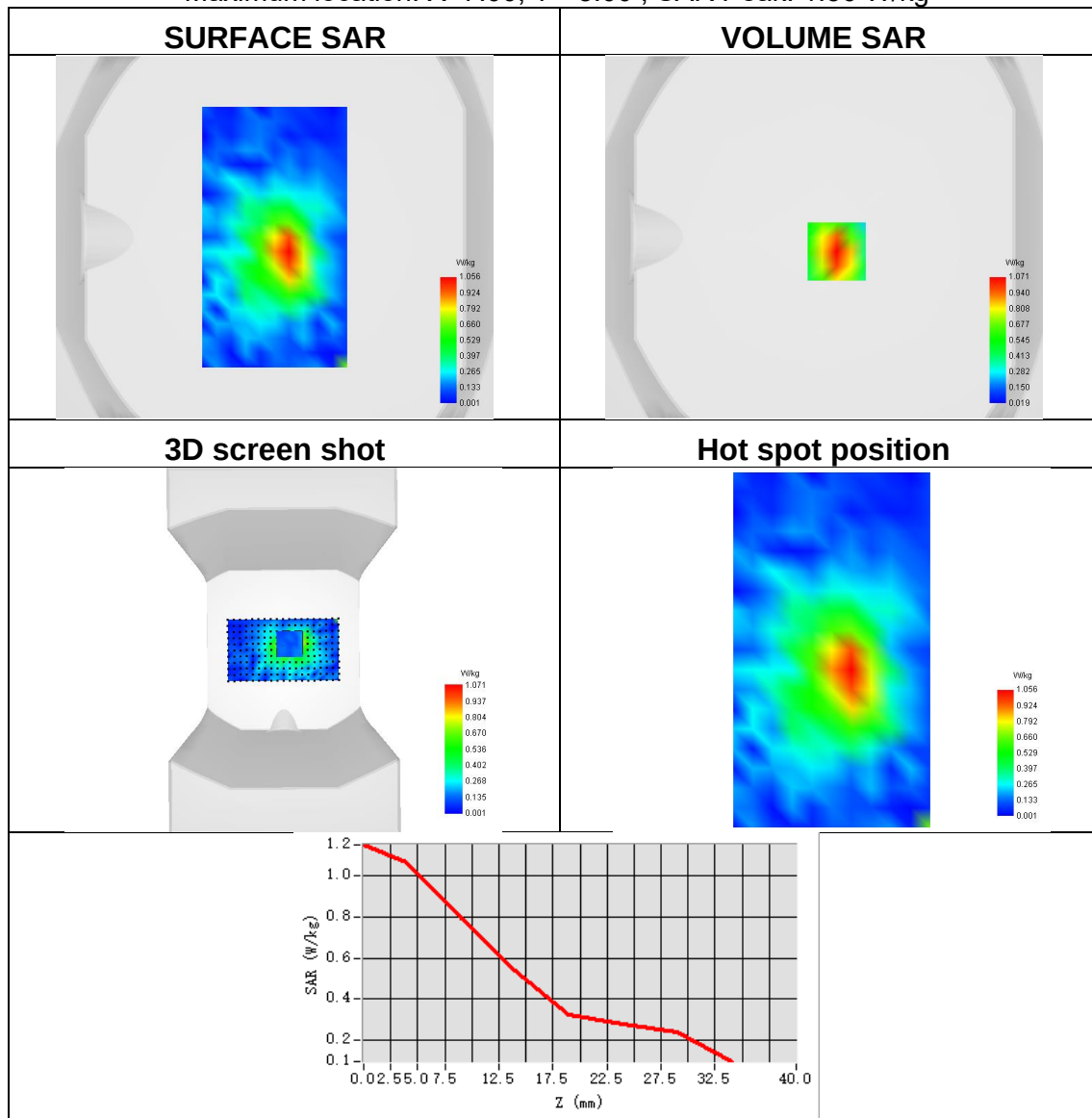




Plot 6:

Test Date	2025-06-21
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	HSDPA
Frequency	1880
SAR 10g (W/Kg)	0.590
SAR 1g (W/Kg)	0.983
ConvF	2.20
Relative permittivity	40.65
Conductivity (S/m)	1.41

Maximum location: X=7.00, Y=-8.00 ; SAR Peak: 1.56 W/kg

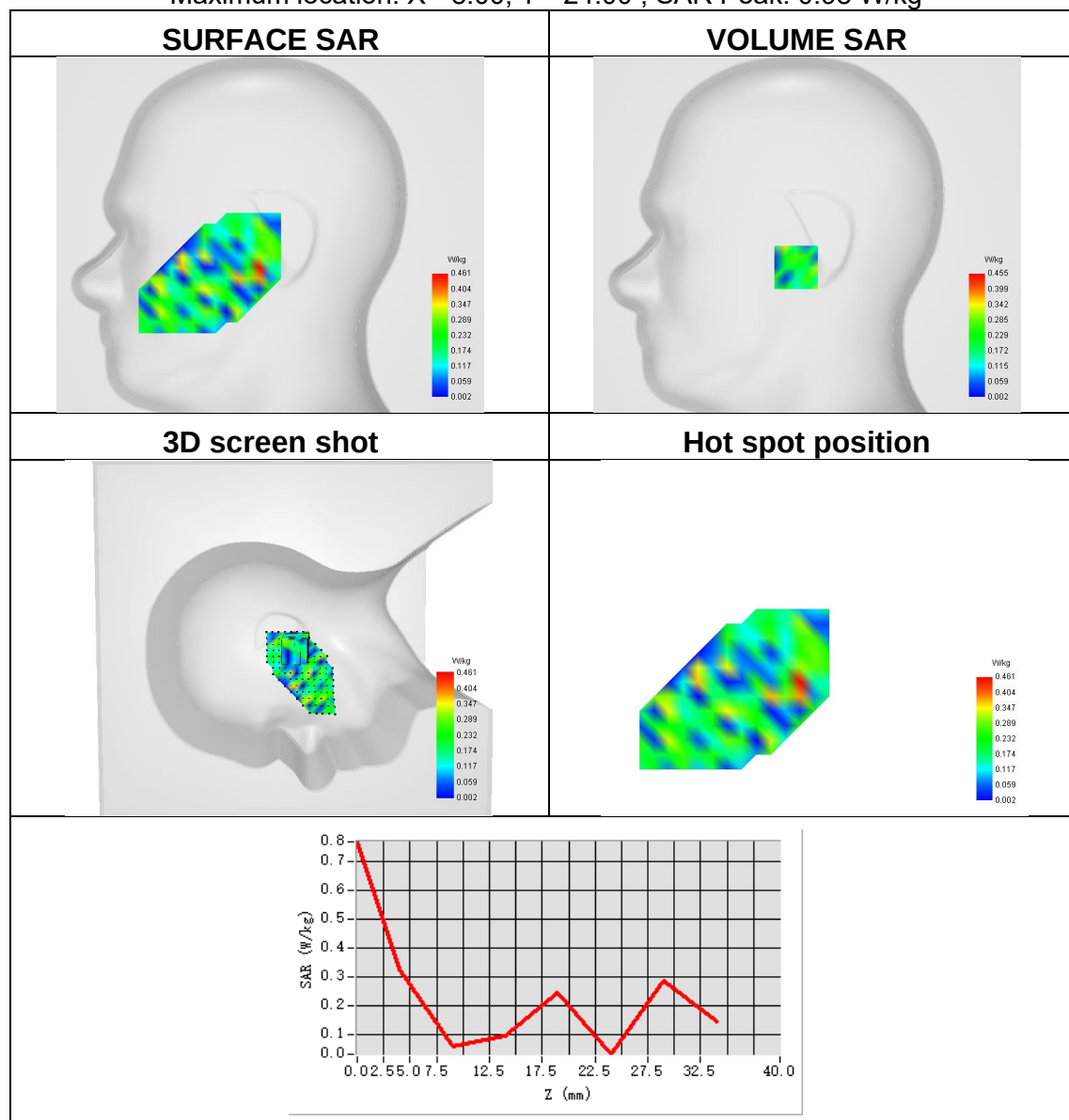




Plot 7:

Test Date	2025-06-12
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	HSDPA
Frequency	1752.4
SAR 10g (W/Kg)	0.167
SAR 1g (W/Kg)	0.335
ConvF	1.92
Relative permittivity	41.16
Conductivity (S/m)	1.36

Maximum location: X=-8.00, Y=-24.00 ; SAR Peak: 0.98 W/kg

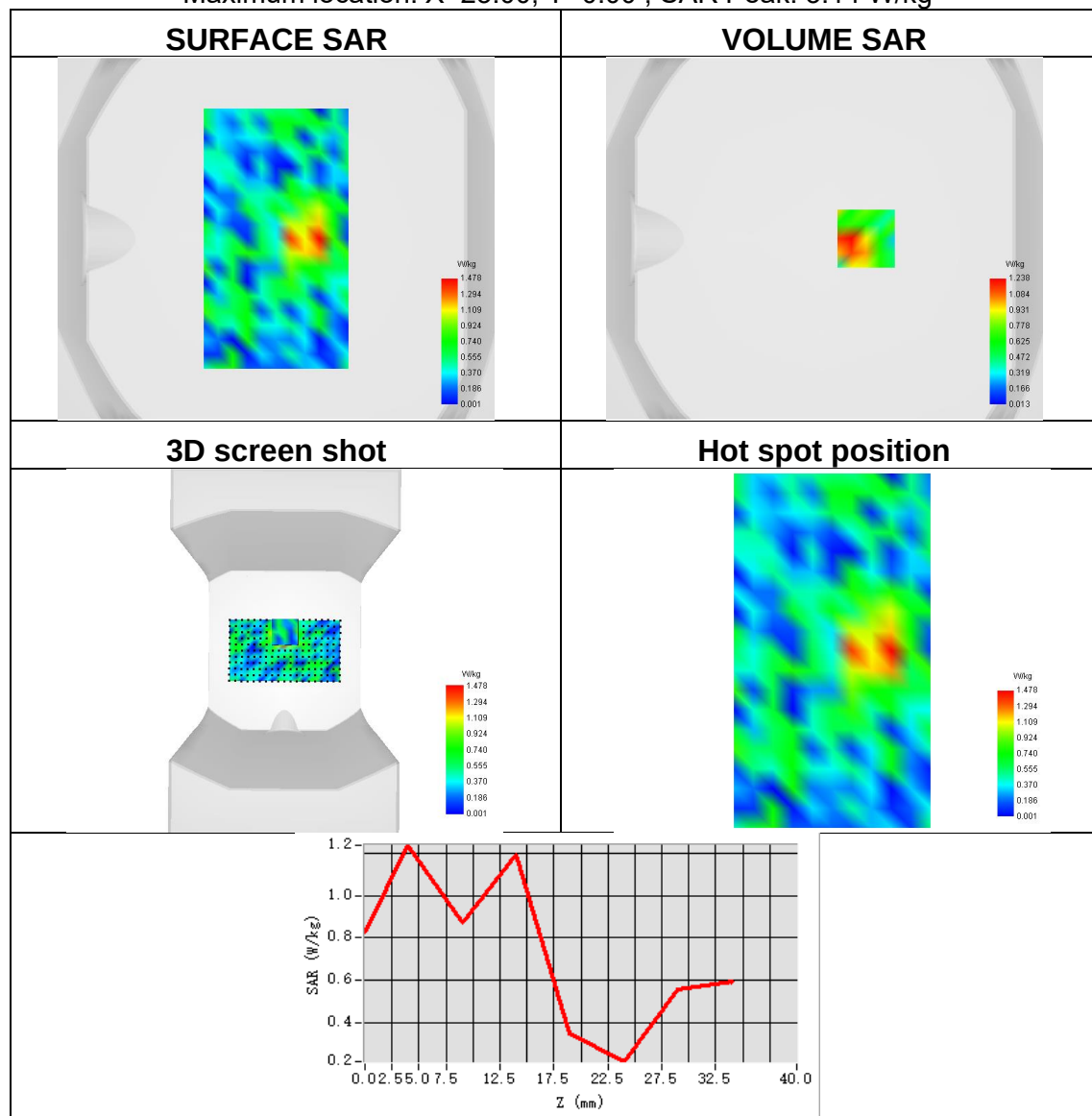




Plot 8:

Test Date	2025-06-12
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	HSDPA
Frequency	1752.4
SAR 10g (W/Kg)	0.674
SAR 1g (W/Kg)	1.113
ConvF	1.92
Relative permittivity	41.16
Conductivity (S/m)	1.36

Maximum location: X=23.00, Y=0.00 ; SAR Peak: 3.14 W/kg

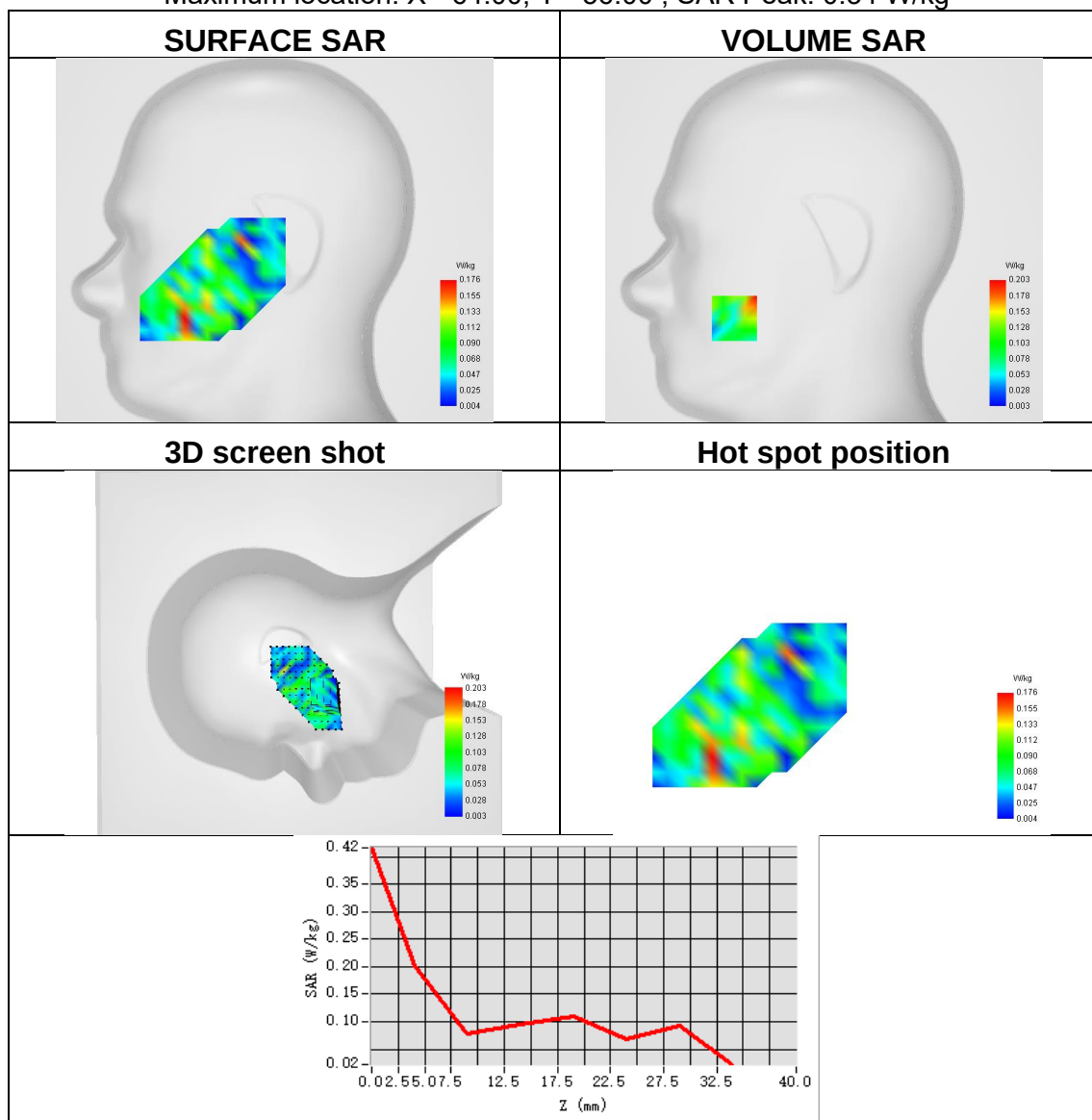




Plot 9:

Test Date	2025-06-26
Area Scan	dx=8mm dy=8mm
Zoom Scan	5x5x7,dx=8mm dy=8mm dz=5mm
Phantom	Right head
Device Position	Cheek
Band	Band 5 (850)
Signal	WCDMA
Frequency	846.6
SAR 10g (W/Kg)	0.078
SAR 1g (W/Kg)	0.162
ConvF	1.72
Relative permittivity	42.29
Conductivity (S/m)	0.91

Maximum location: X=-64.00, Y=-56.00 ; SAR Peak: 0.34 W/kg

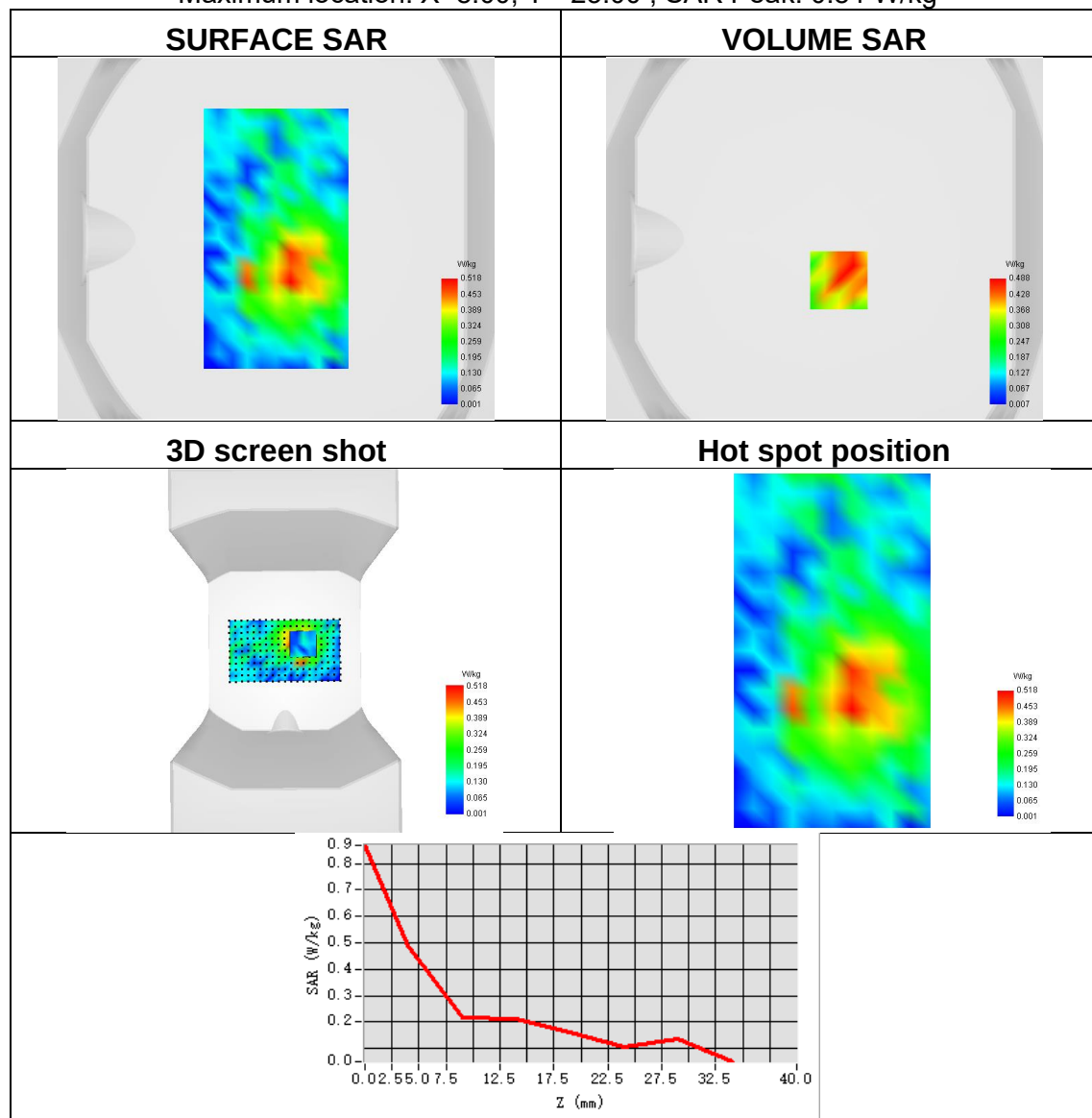




Plot 10:

Test Date	2025-06-26
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	846.6
SAR 10g (W/Kg)	0.265
SAR 1g (W/Kg)	0.474
ConvF	1.72
Relative permittivity	42.29
Conductivity (S/m)	0.91

Maximum location: X=8.00, Y=-23.00 ; SAR Peak: 0.84 W/kg

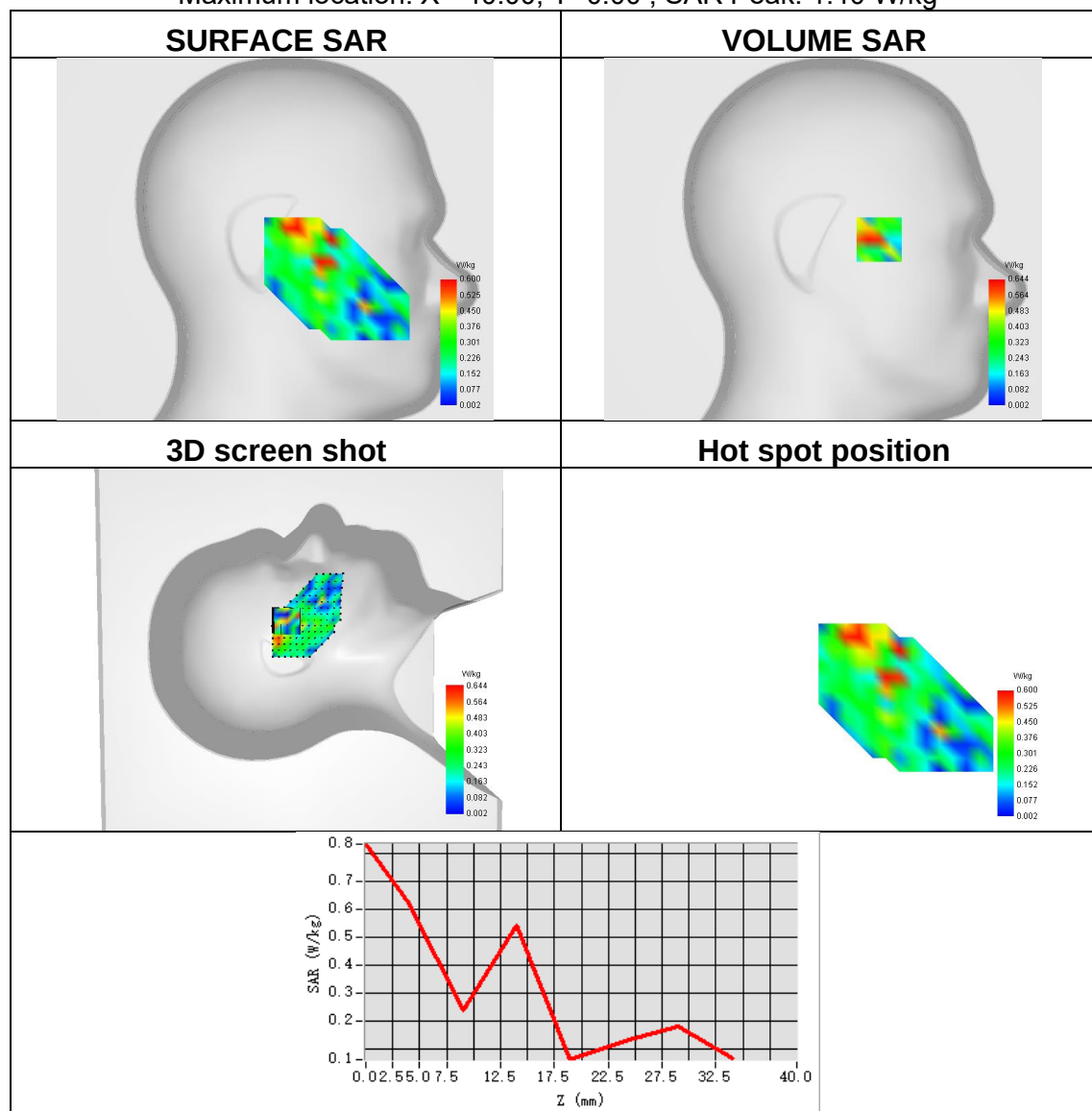




Plot 11:

Test Date	2025-06-26
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	2412
SAR 10g (W/Kg)	0.307
SAR 1g (W/Kg)	0.603
ConvF	2.33
Relative permittivity	39.59
Conductivity (S/m)	1.82

Maximum location: X=-40.00, Y=0.00 ; SAR Peak: 1.40 W/kg

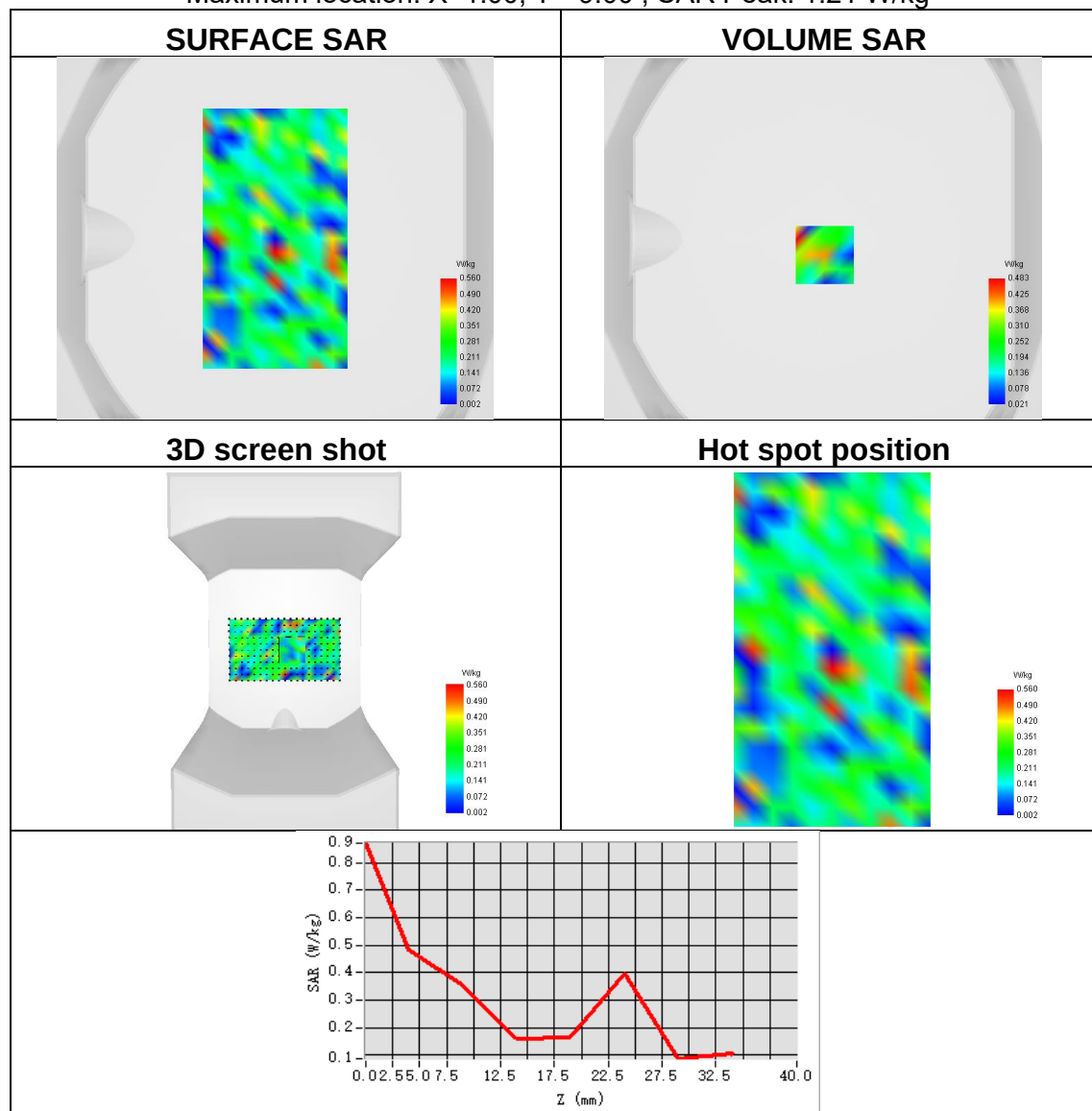




Plot 12:

Test Date	2025-06-26
Area Scan	dx=8mm dy=8mm
Zoom Scan	5x5x7, dx=8mm dy=8mm dz=5mm
Phantom	Validation plane
Device Position	Top Side
Band	ISM
Signal	IEEE 802.11b
Frequency	2412
SAR 10g (W/Kg)	0.235
SAR 1g (W/Kg)	0.494
ConvF	2.33
Relative permittivity	39.59
Conductivity (S/m)	1.82

Maximum location: X=1.00, Y=-9.00 ; SAR Peak: 1.21 W/kg

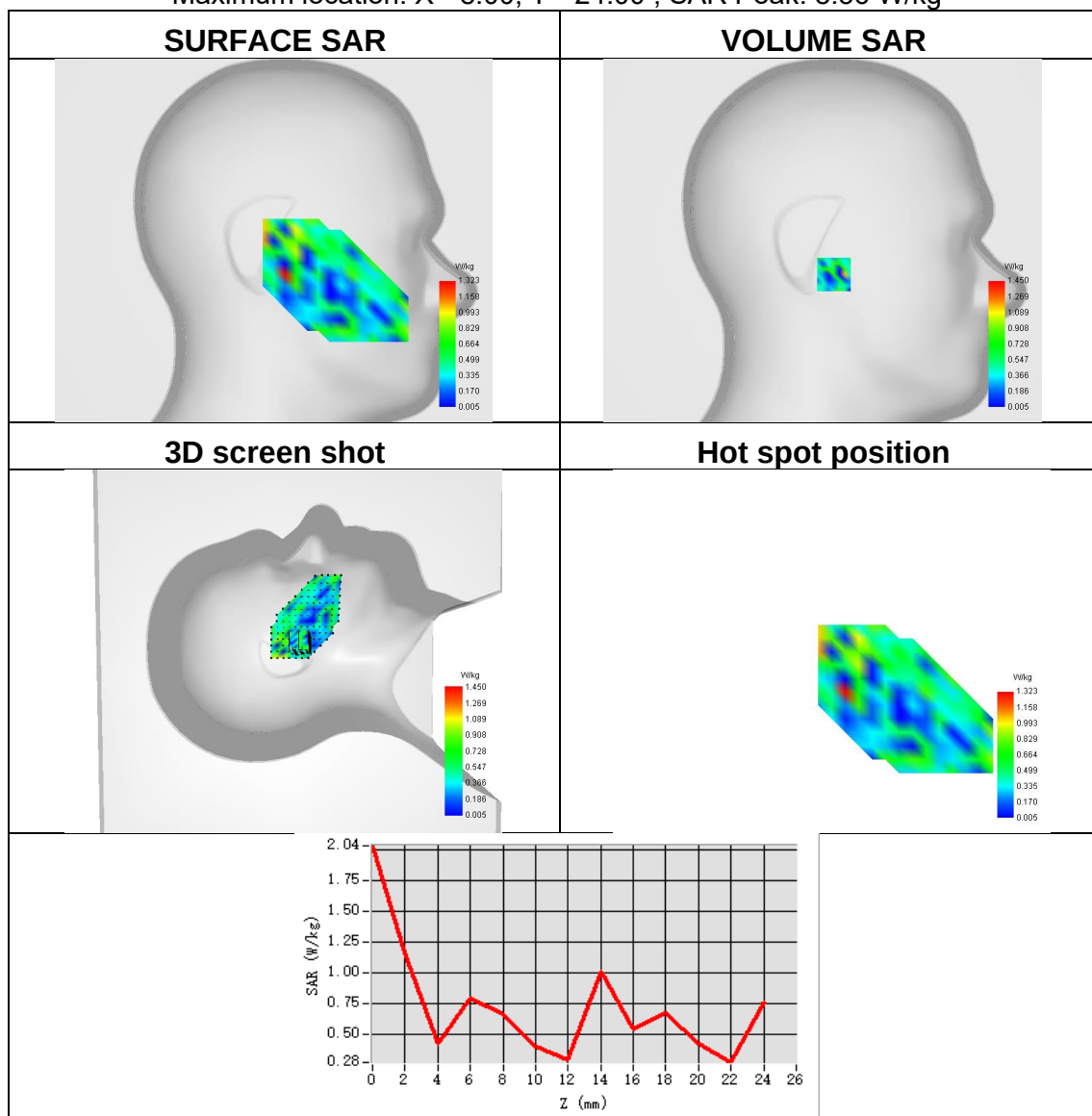




Plot 13:

Test Date	2025-06-27
Area Scan	dx=8mm dy=8mm
Zoom Scan	7x7x12,dx=4mm dy=4mm dz=2mm
Phantom	Left head
Device Position	Cheek
Band	U-NII-1
Signal	IEEE 802.11a
Frequency	5200
SAR 10g (W/Kg)	0.314
SAR 1g (W/Kg)	0.583
ConvF	1.99
Relative permittivity	36.66
Conductivity (S/m)	4.60

Maximum location: X=-8.00, Y=-24.00 ; SAR Peak: 8.36 W/kg

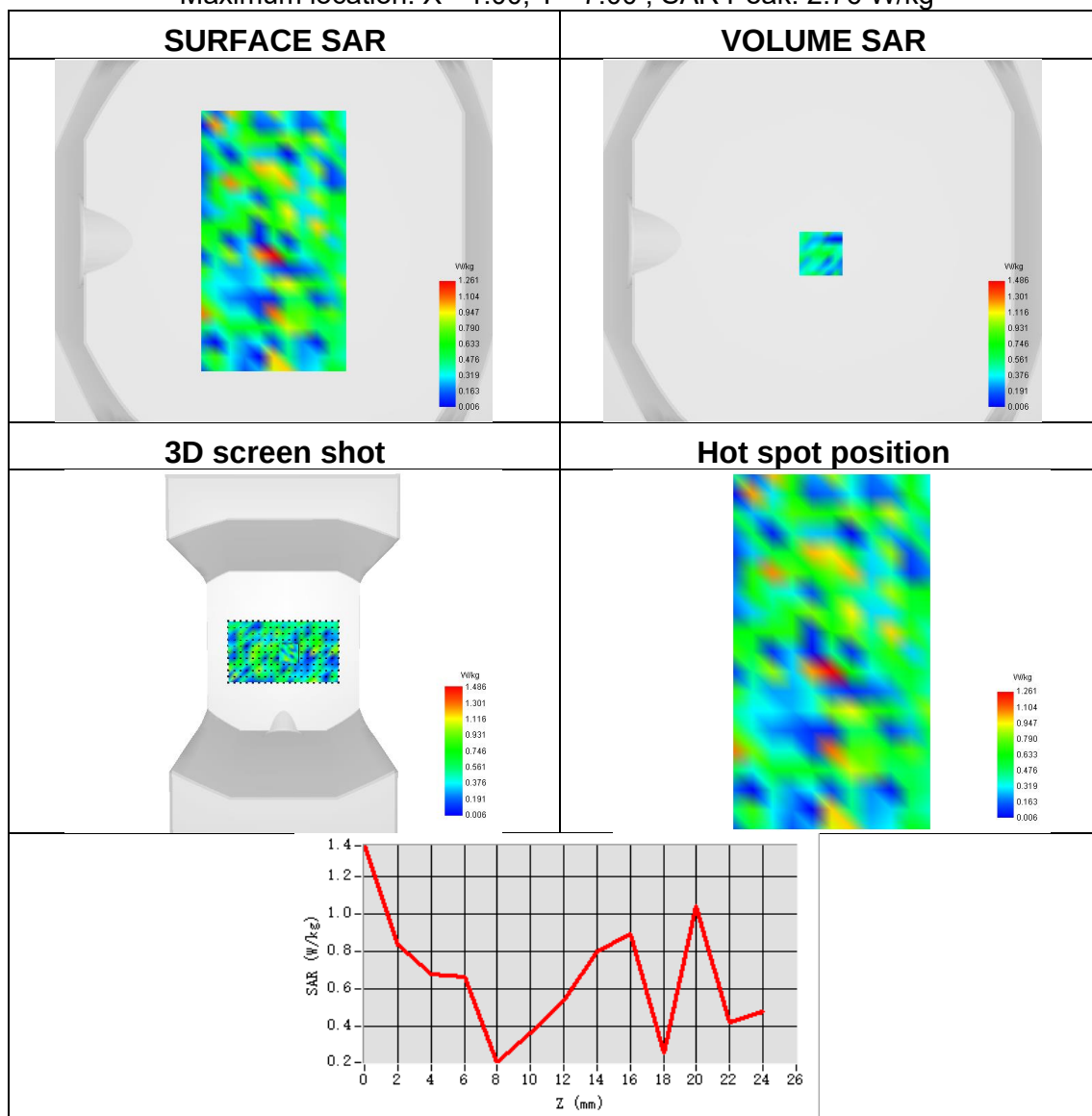




Plot 14:

Test Date	2025-06-27
Area Scan	dx=8mm dy=8mm
Zoom Scan	7x7x12,dx=4mm dy=4mm dz=2mm
Phantom	Validation plane
Device Position	Top Side
Band	U-NII-1
Signal	IEEE 802.11a
Frequency	5200
SAR 10g (W/Kg)	0.387
SAR 1g (W/Kg)	0.494
ConvF	1.99
Relative permittivity	36.66
Conductivity (S/m)	4.60

Maximum location: X=-1.00, Y=-7.00 ; SAR Peak: 2.76 W/kg

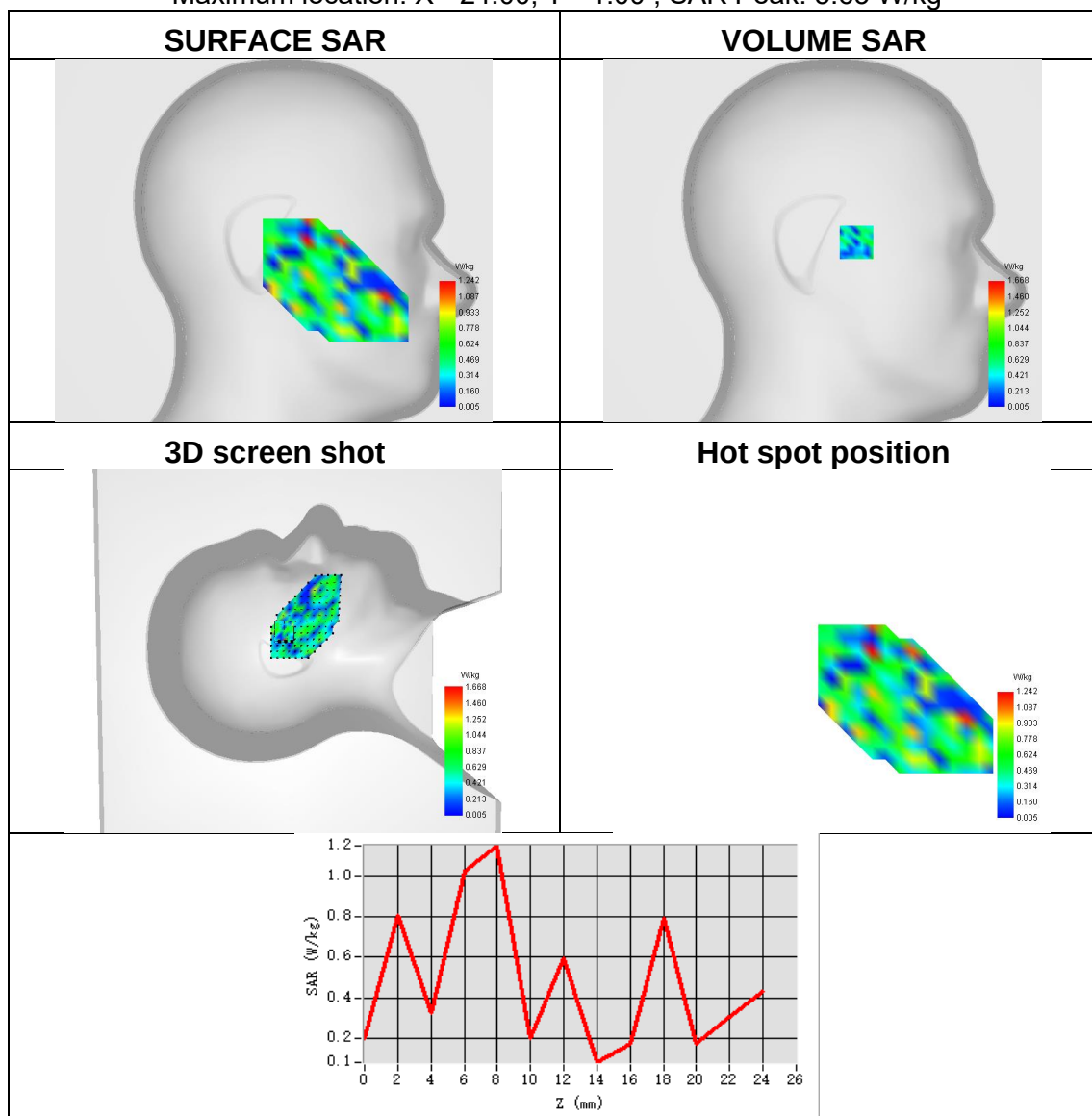




Plot 15:

Test Date	2025-06-27
Area Scan	dx=8mm dy=8mm
Zoom Scan	7x7x12,dx=4mm dy=4mm dz=2mm
Phantom	Left head
Device Position	Cheek
Band	U-NII-2a
Signal	IEEE 802.11a
Frequency	5260
SAR 10g (W/Kg)	0.218
SAR 1g (W/Kg)	0.501
ConvF	1.87
Relative permittivity	36.35
Conductivity (S/m)	4.88

Maximum location: X=-24.00, Y=-1.00 ; SAR Peak: 5.65 W/kg

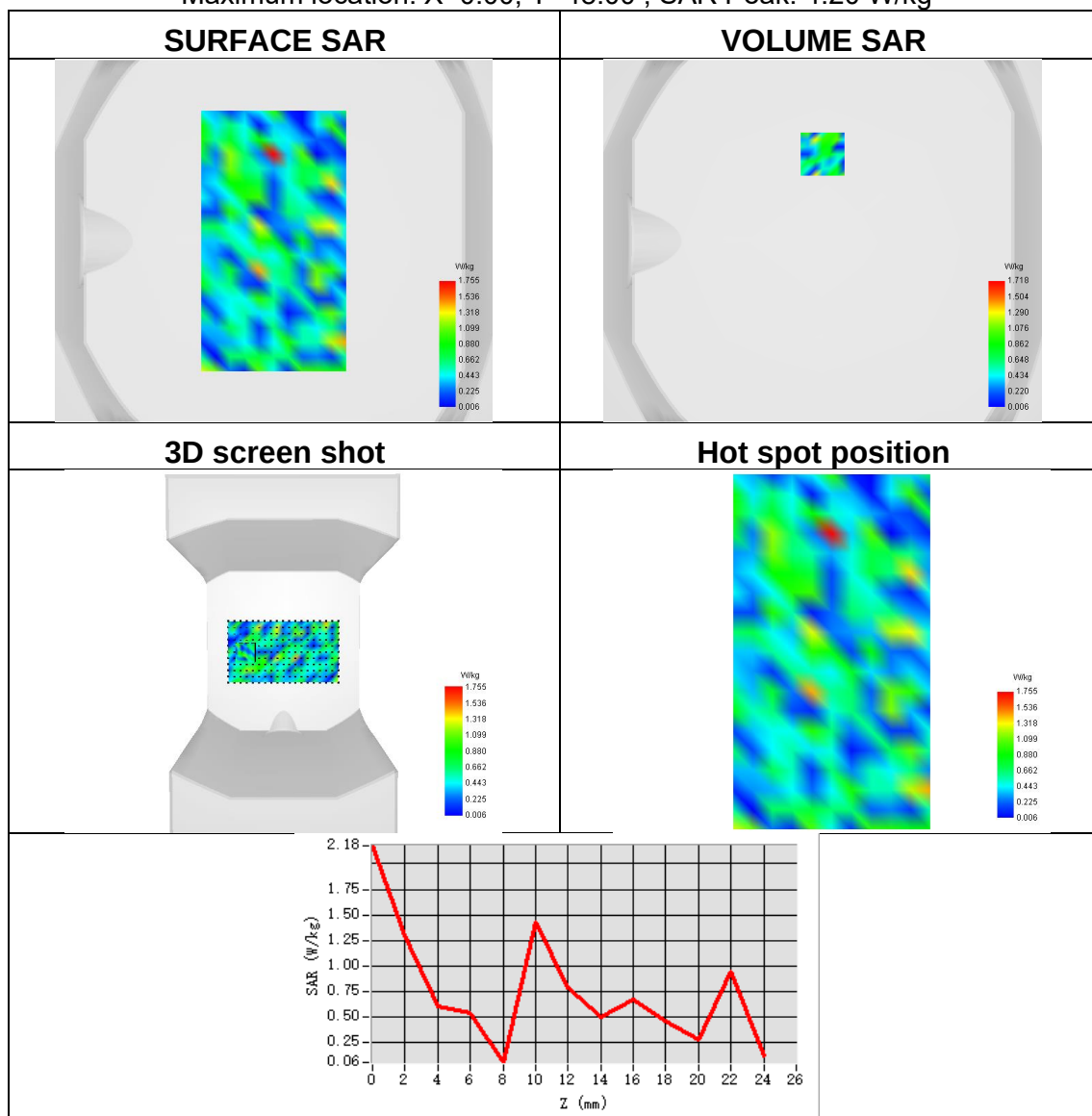




Plot 16:

Test Date	2025-06-27
Area Scan	dx=8mm dy=8mm
Zoom Scan	7x7x12,dx=4mm dy=4mm dz=2mm
Phantom	Validation plane
Device Position	Top Side
Band	U-NII-2a
Signal	IEEE 802.11a
Frequency	5260
SAR 10g (W/Kg)	0.356
SAR 1g (W/Kg)	0.699
ConvF	1.87
Relative permittivity	36.35
Conductivity (S/m)	4.88

Maximum location: X=0.00, Y=48.00 ; SAR Peak: 4.20 W/kg

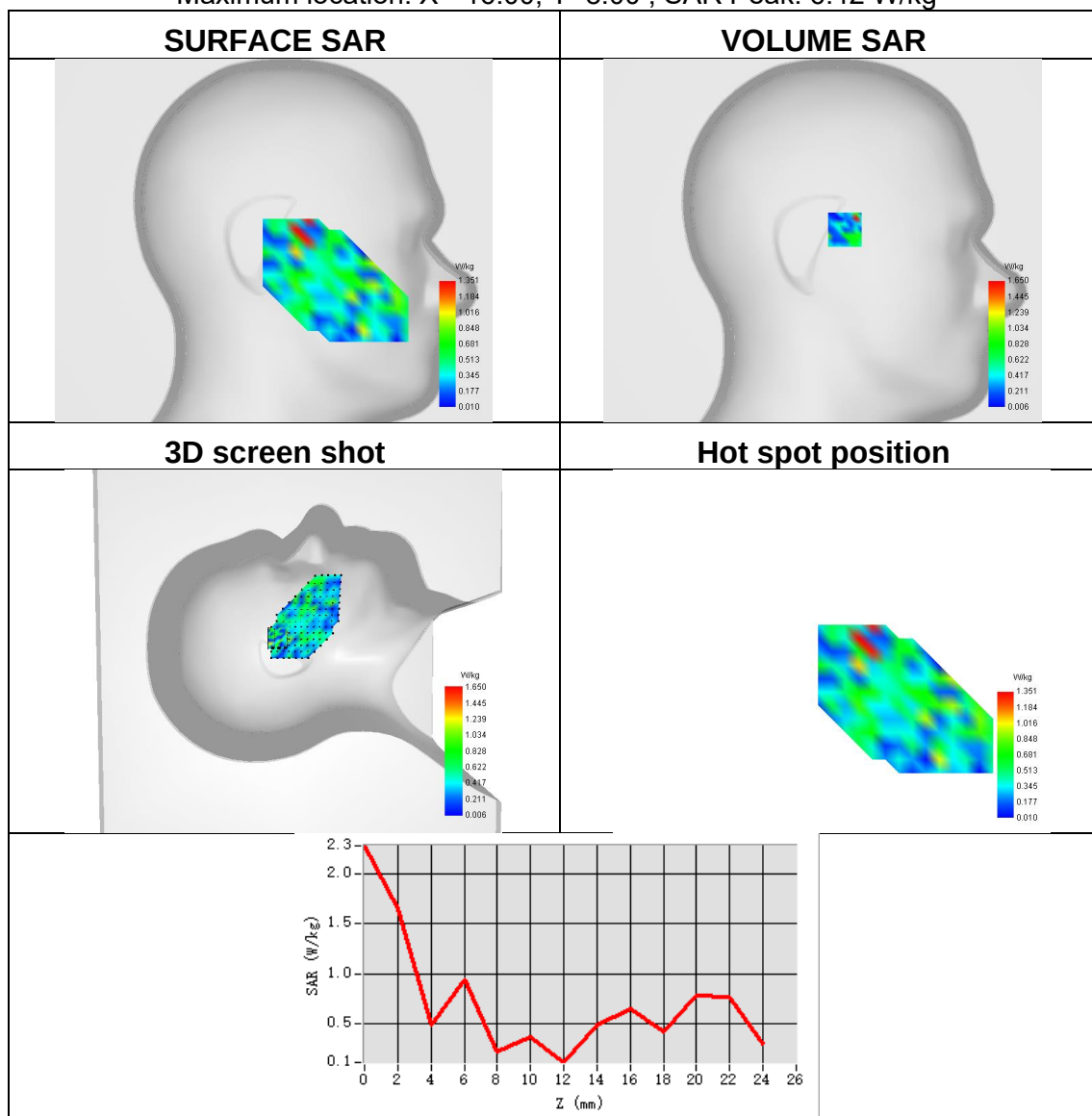




Plot 17:

Test Date	2025-06-28
Area Scan	dx=8mm dy=8mm
Zoom Scan	7x7x12,dx=4mm dy=4mm dz=2mm
Phantom	Left head
Device Position	Cheek
Band	U-NII-2c ANT 1
Signal	IEEE 802.11a
Frequency	5700
SAR 10g (W/Kg)	0.174
SAR 1g (W/Kg)	0.400
ConvF	1.87
Relative permittivity	36.49
Conductivity (S/m)	5.05

Maximum location: X=-16.00, Y=8.00 ; SAR Peak: 6.42 W/kg

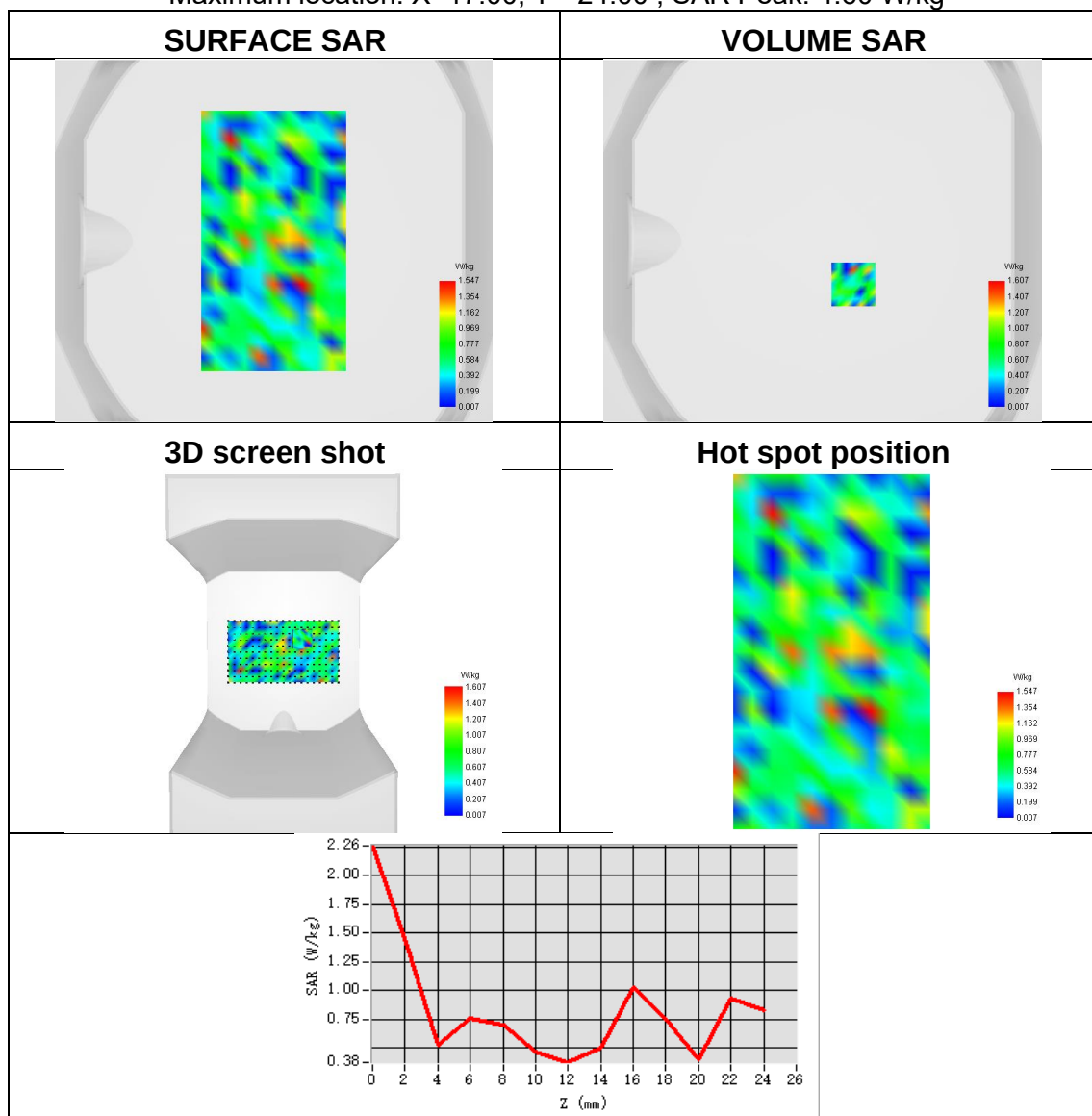




Plot 18:

Test Date	2025-06-28
Area Scan	dx=8mm dy=8mm
Zoom Scan	7x7x12,dx=4mm dy=4mm dz=2mm
Phantom	Validation plane
Device Position	Top Side
Band	U-NII-2c
Signal	IEEE 802.11a
Frequency	5700
SAR 10g (W/Kg)	0.293
SAR 1g (W/Kg)	0.500
ConvF	1.87
Relative permittivity	36.49
Conductivity (S/m)	5.05

Maximum location: X=17.00, Y=-24.00 ; SAR Peak: 4.60 W/kg

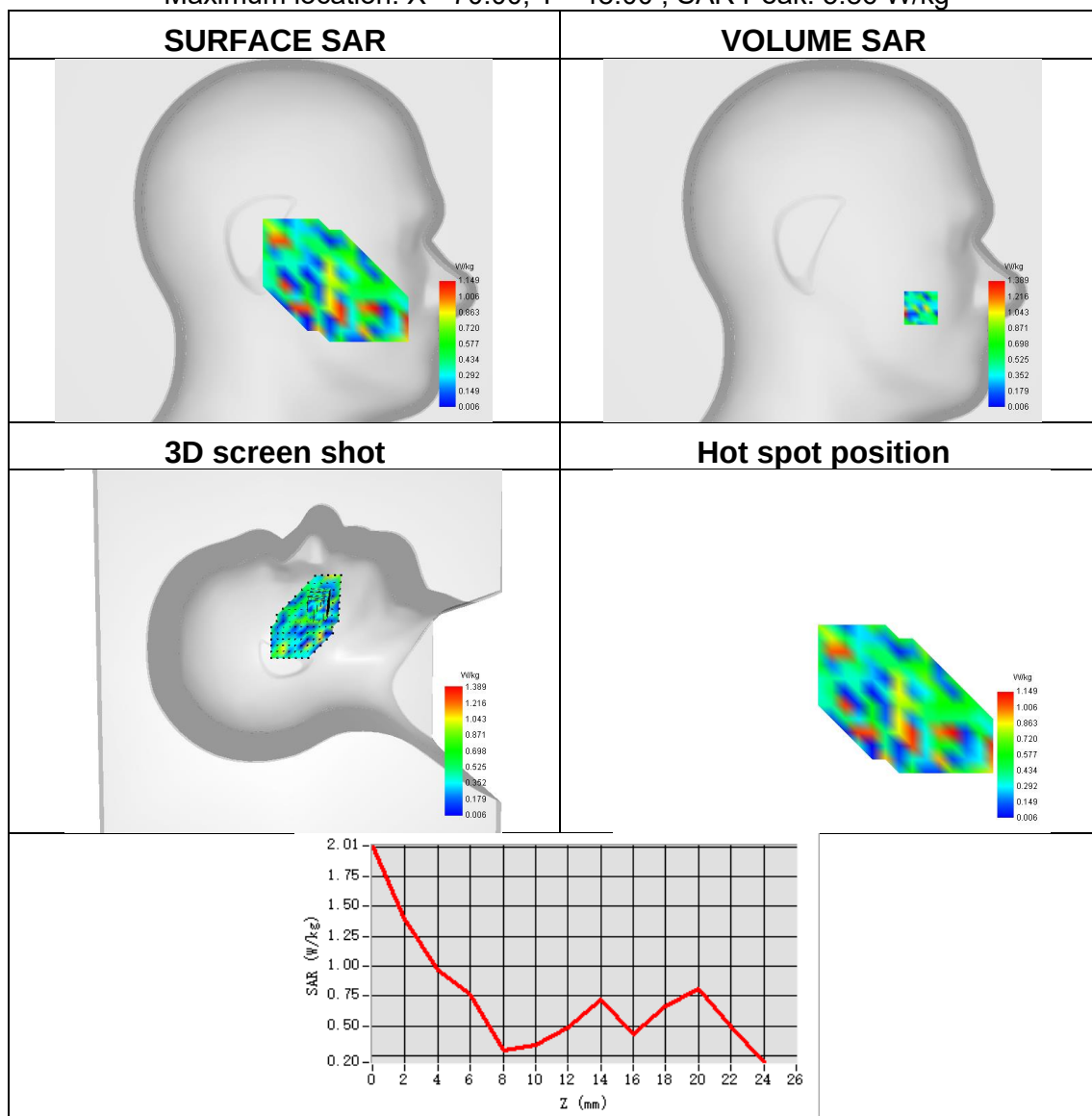




Plot 19:

Test Date	2025-06-28
Area Scan	dx=8mm dy=8mm
Zoom Scan	7x7x12,dx=4mm dy=4mm dz=2mm
Phantom	Left head
Device Position	Cheek
Band	U-NII-3
Signal	IEEE 802.11a
Frequency	5745
SAR 10g (W/Kg)	0.265
SAR 1g (W/Kg)	0.480
ConvF	1.70
Relative permittivity	35.48
Conductivity (S/m)	5.23

Maximum location: X=-70.00, Y=-48.00 ; SAR Peak: 5.86 W/kg

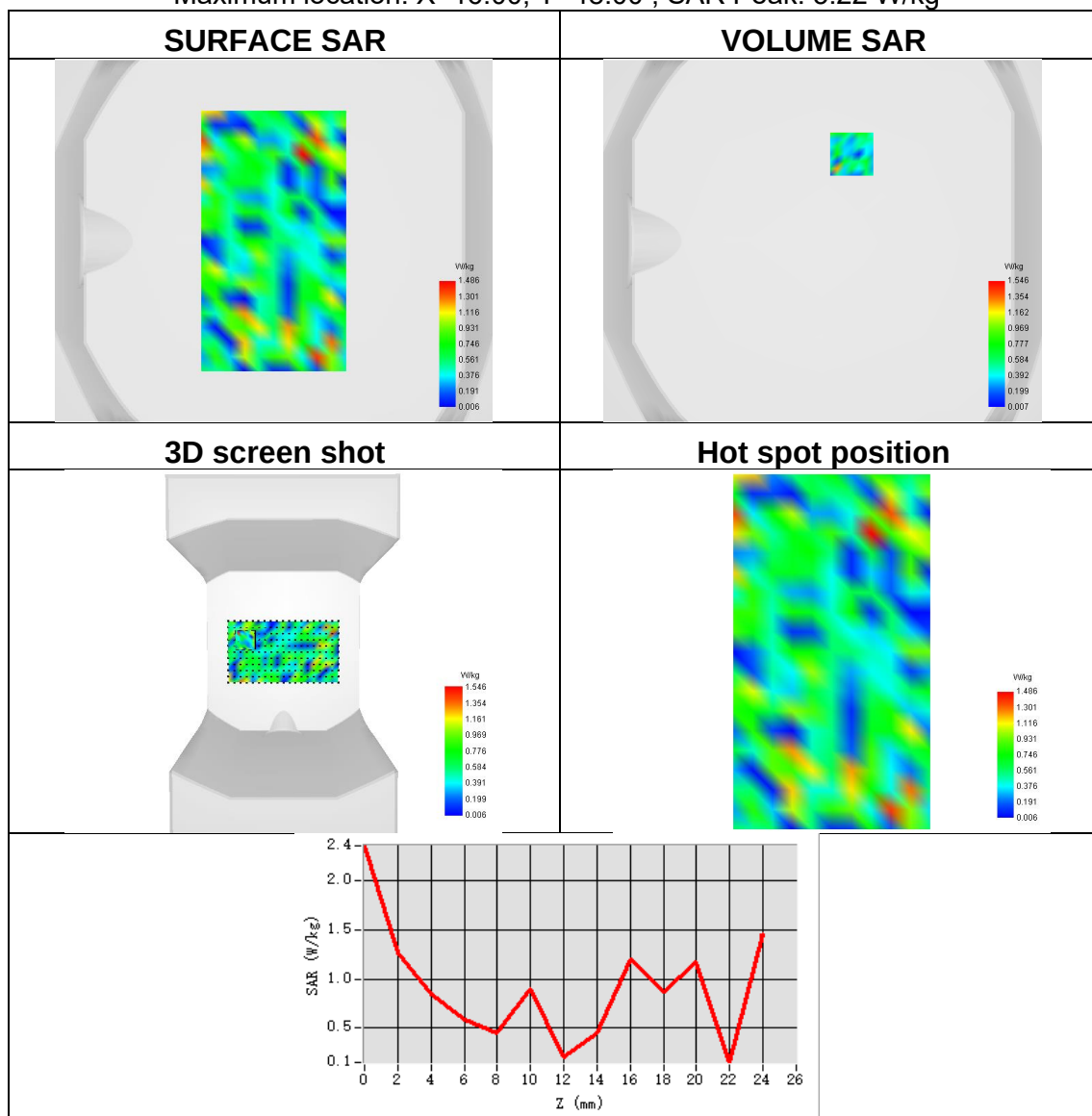




Plot 20:

Test Date	2025-06-28
Area Scan	dx=8mm dy=8mm
Zoom Scan	7x7x12,dx=4mm dy=4mm dz=2mm
Phantom	Validation plane
Device Position	Top Side
Band	U-NII-3
Signal	IEEE 802.11a
Frequency	5745
SAR 10g (W/Kg)	0.208
SAR 1g (W/Kg)	0.487
ConvF	1.70
Relative permittivity	35.48
Conductivity (S/m)	5.23

Maximum location: X=16.00, Y=48.00 ; SAR Peak: 5.22 W/kg

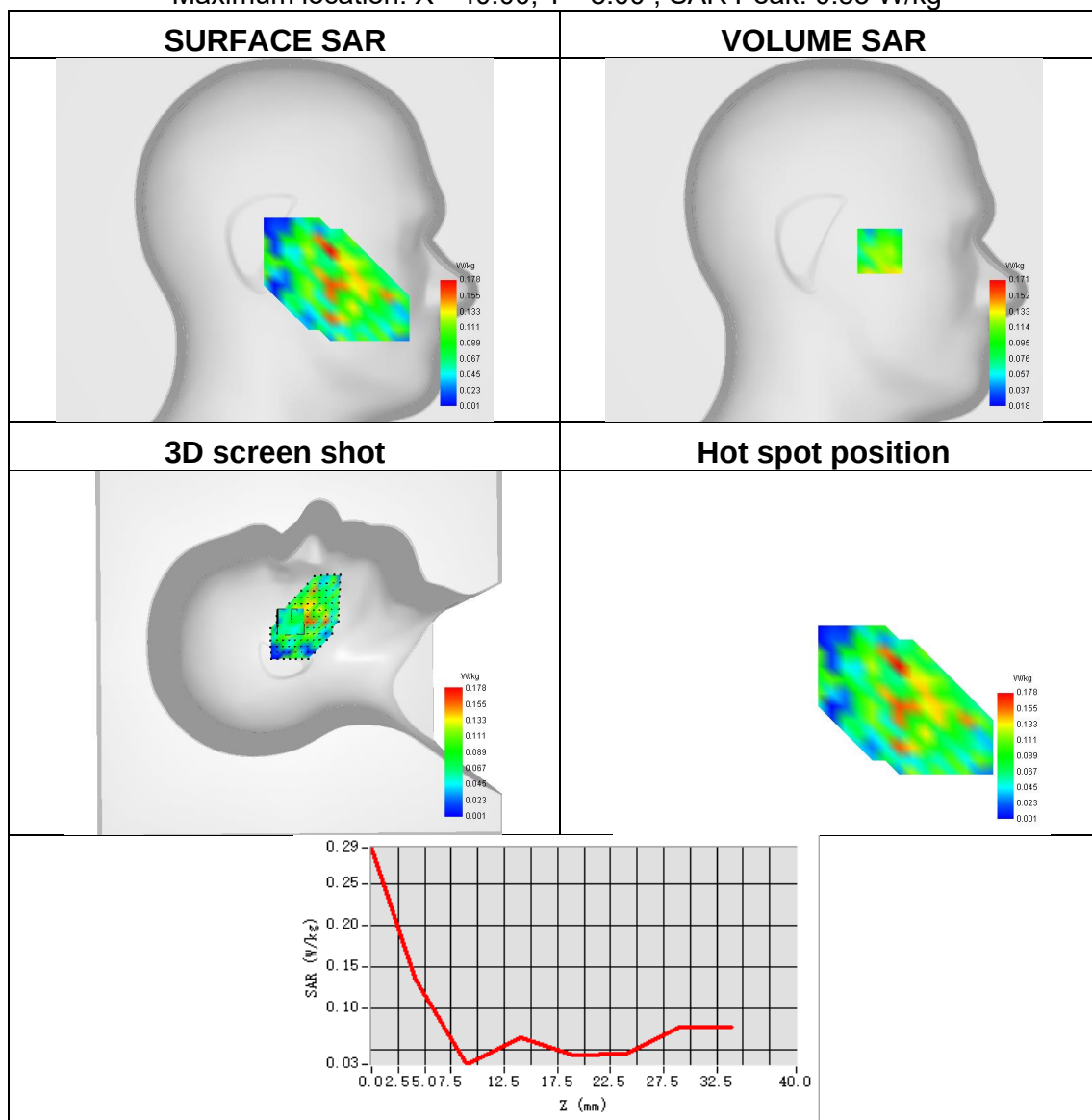




Plot 21:

Test Date	2025-06-21
Area Scan	dx=8mm dy=8mm
Zoom Scan	5x5x7,dx=8mm dy=8mm dz=5mm
Phantom	Left head
Device Position	Cheek
Band	LTE band 2
Signal	LTE FDD
Frequency	1880
SAR 10g (W/Kg)	0.090
SAR 1g (W/Kg)	0.125
ConvF	2.20
Relative permittivity	40.65
Conductivity (S/m)	1.41

Maximum location: X=-40.00, Y=-8.00 ; SAR Peak: 0.35 W/kg

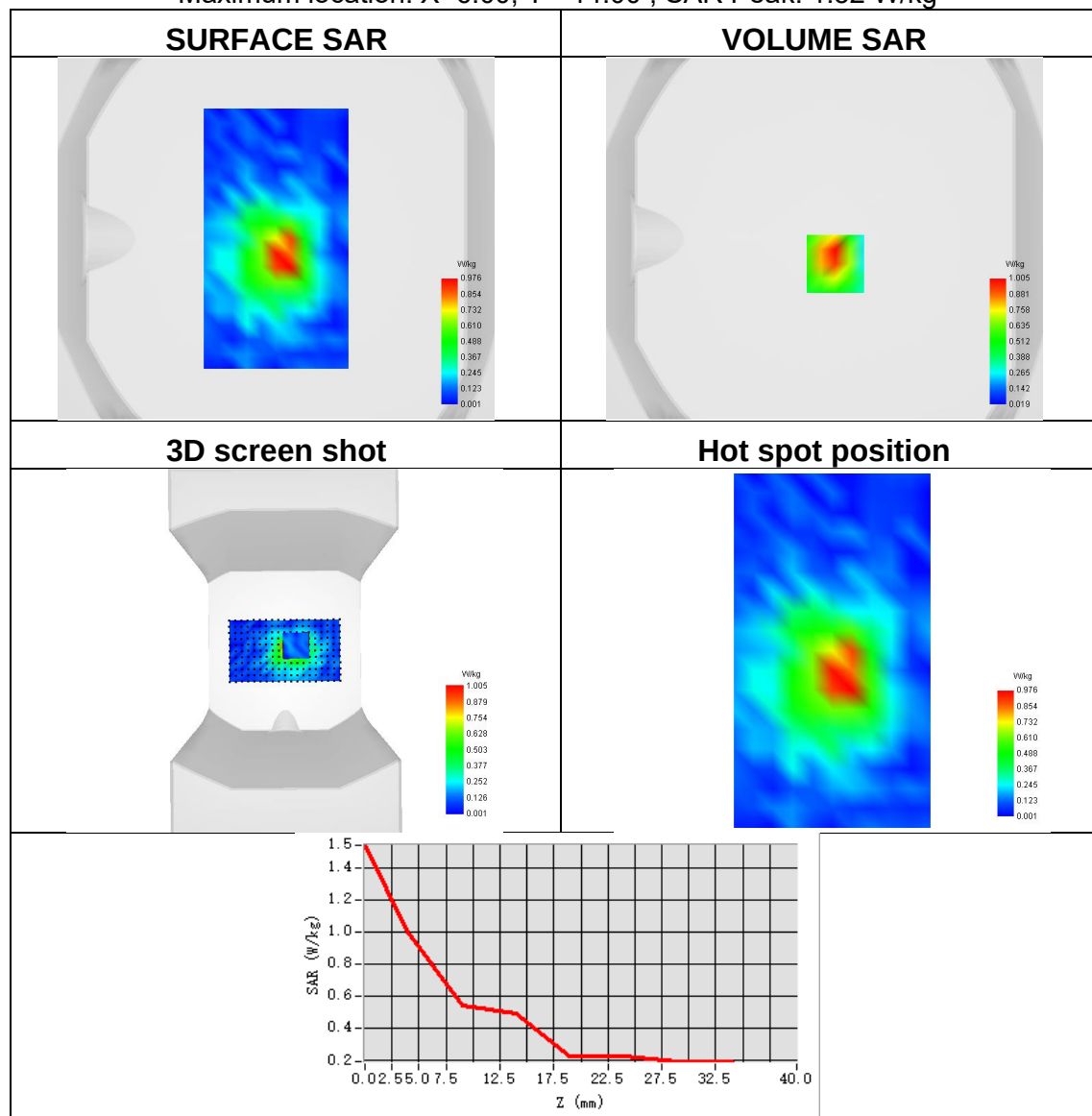




Plot 22:

Test Date	2025-06-21
Area Scan	dx=8mm dy=8mm
Zoom Scan	5x5x7,dx=8mm dy=8mm dz=5mm
Phantom	Validation plane
Device Position	Bottom Side
Band	LTE band 2
Signal	LTE FDD
Frequency	1880
SAR 10g (W/Kg)	0.540
SAR 1g (W/Kg)	0.845
ConvF	2.20
Relative permittivity	40.65
Conductivity (S/m)	1.41

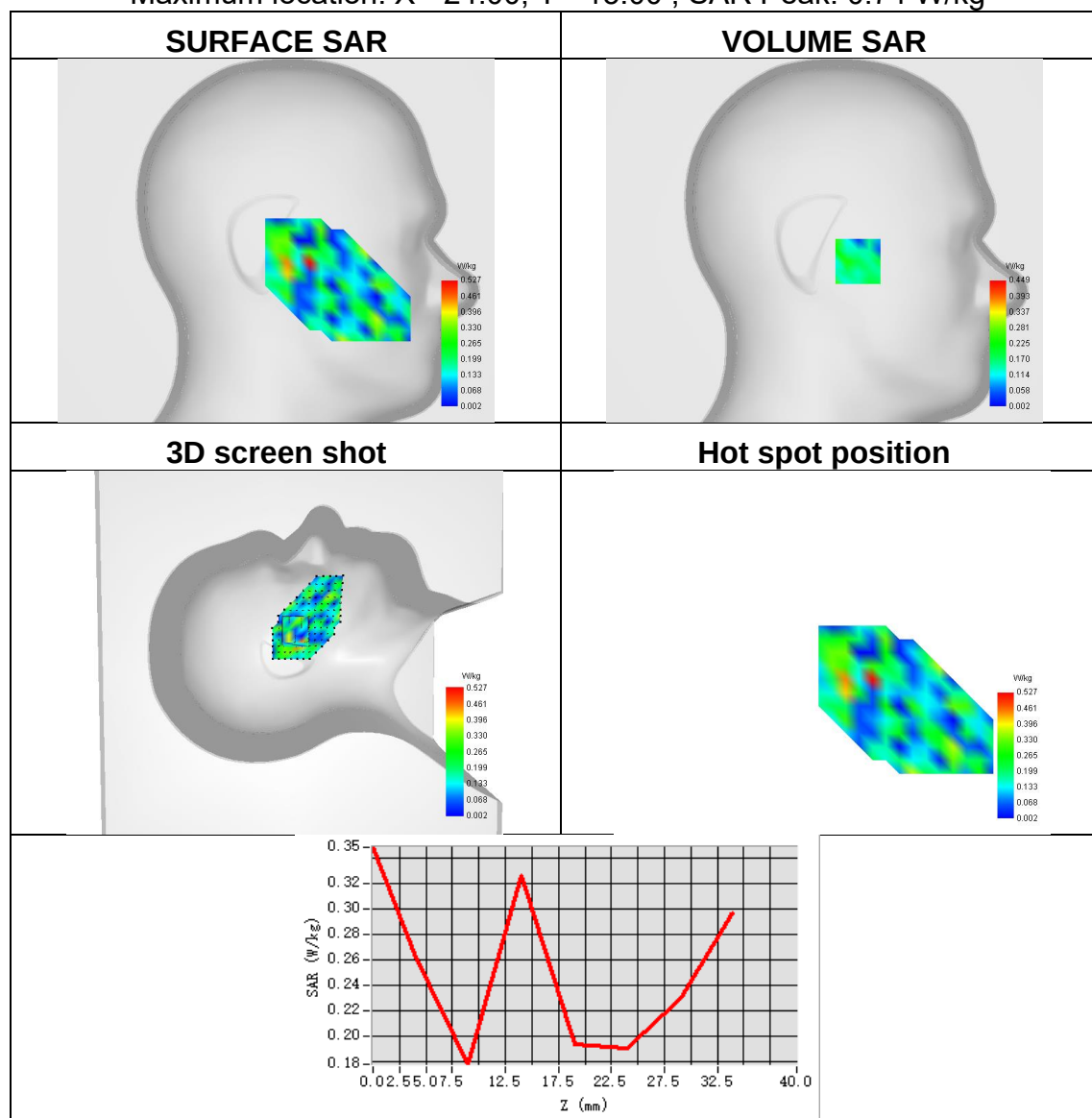
Maximum location: X=6.00, Y=-14.00 ; SAR Peak: 1.52 W/kg



Plot 23:

Test Date	2025-06-12
Area Scan	dx=8mm dy=8mm
Zoom Scan	5x5x7,dx=8mm dy=8mm dz=5mm
Phantom	Left head
Device Position	Cheek
Band	LTE band 4
Signal	LTE FDD
Frequency	1732.5
SAR 10g (W/Kg)	0.135
SAR 1g (W/Kg)	0.300
ConvF	1.92
Relative permittivity	41.16
Conductivity (S/m)	1.36

Maximum location: X=-24.00, Y=-15.00 ; SAR Peak: 0.74 W/kg

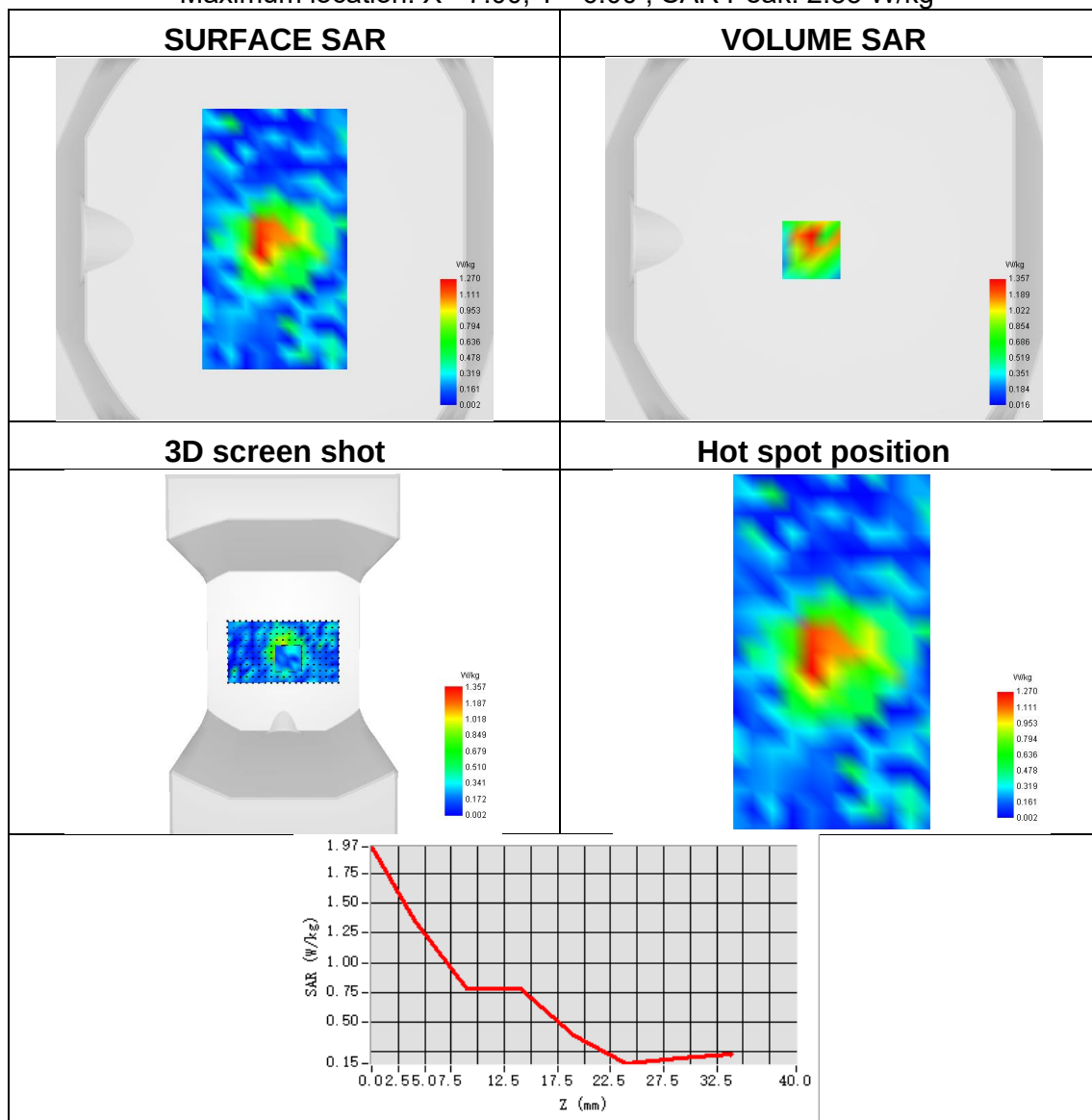




Plot 24:

Test Date	2025-06-12
Area Scan	dx=8mm dy=8mm
Zoom Scan	5x5x7, dx=8mm dy=8mm dz=5mm
Phantom	Validation plane
Device Position	Bottom Side
Band	LTE band 4
Signal	LTE FDD
Frequency	1732.5
SAR 10g (W/Kg)	1.283
SAR 1g (W/Kg)	0.942
ConvF	1.92
Relative permittivity	41.16
Conductivity (S/m)	1.36

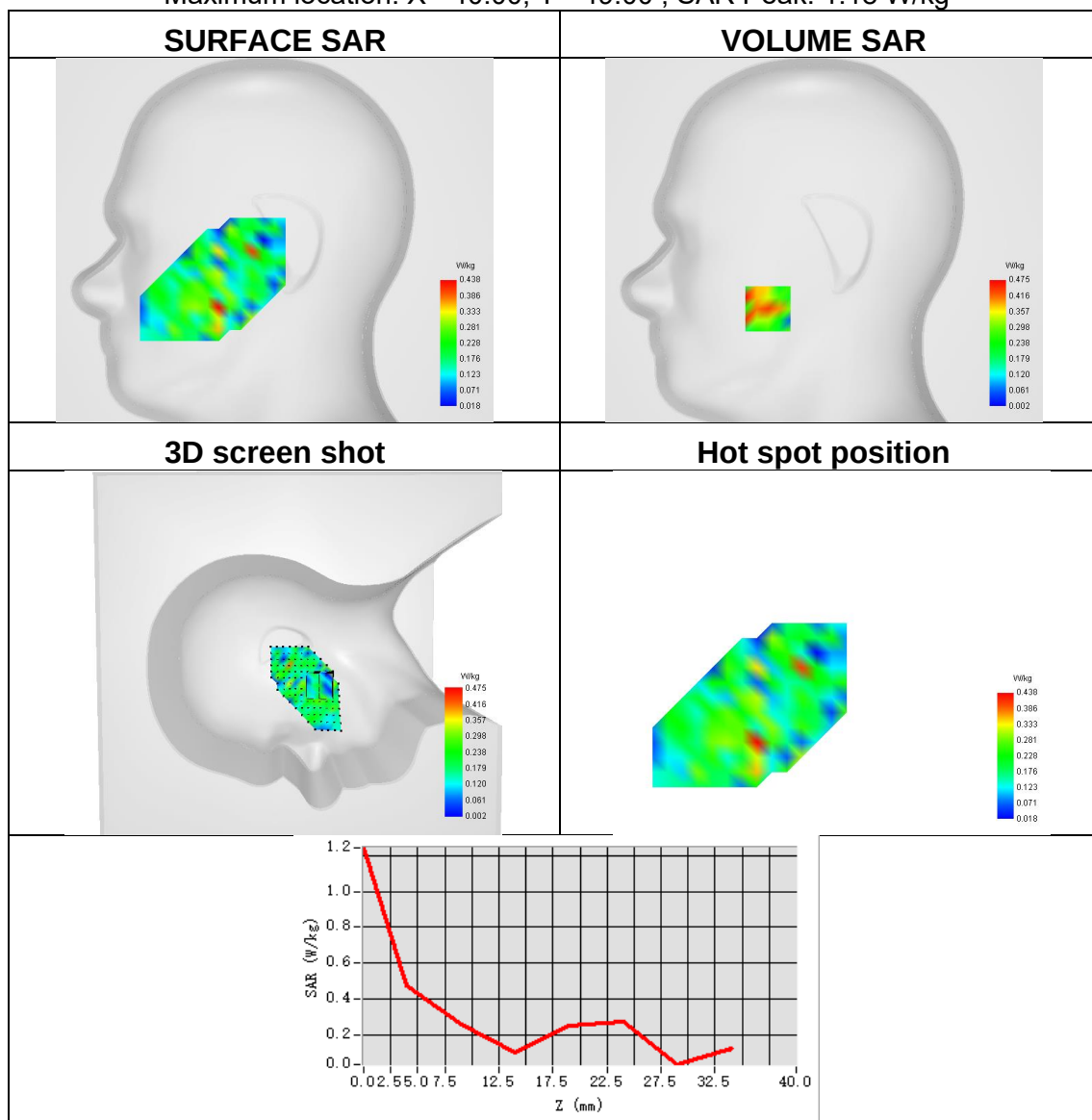
Maximum location: X=-7.00, Y=-6.00 ; SAR Peak: 2.53 W/kg



Plot 25:

Test Date	2025-06-23
Area Scan	dx=8mm dy=8mm
Zoom Scan	5x5x7,dx=8mm dy=8mm dz=5mm
Phantom	Right head
Device Position	Cheek
Band	LTE band 5
Signal	LTE FDD
Frequency	844
SAR 10g (W/Kg)	0.197
SAR 1g (W/Kg)	0.409
ConvF	1.72
Relative permittivity	41.01
Conductivity (S/m)	0.89

Maximum location: X=-40.00, Y=-49.00 ; SAR Peak: 1.18 W/kg

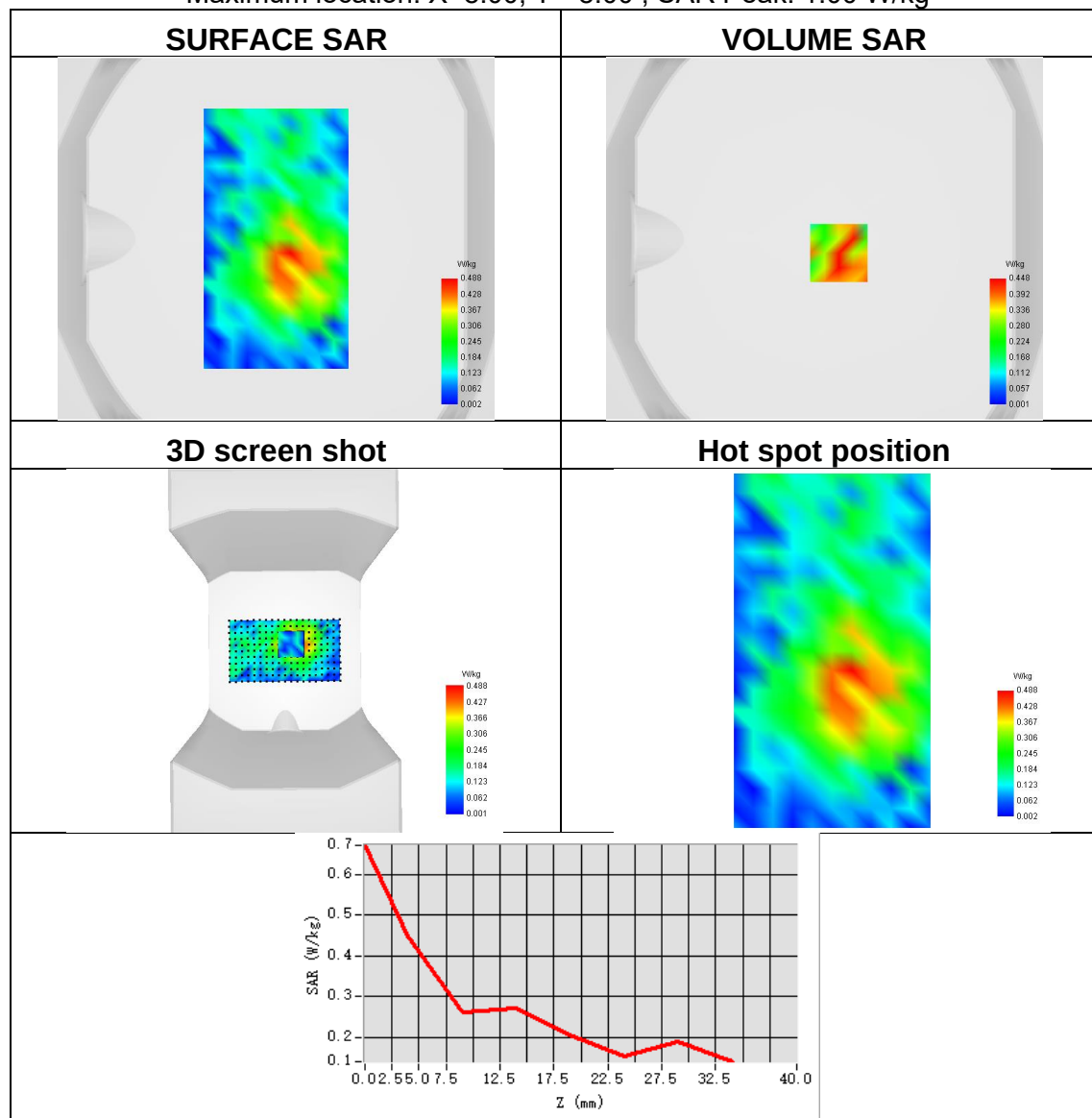




Plot 26:

Test Date	2025-06-23
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	844
SAR 10g (W/Kg)	0.256
SAR 1g (W/Kg)	0.439
ConvF	1.72
Relative permittivity	41.01
Conductivity (S/m)	0.89

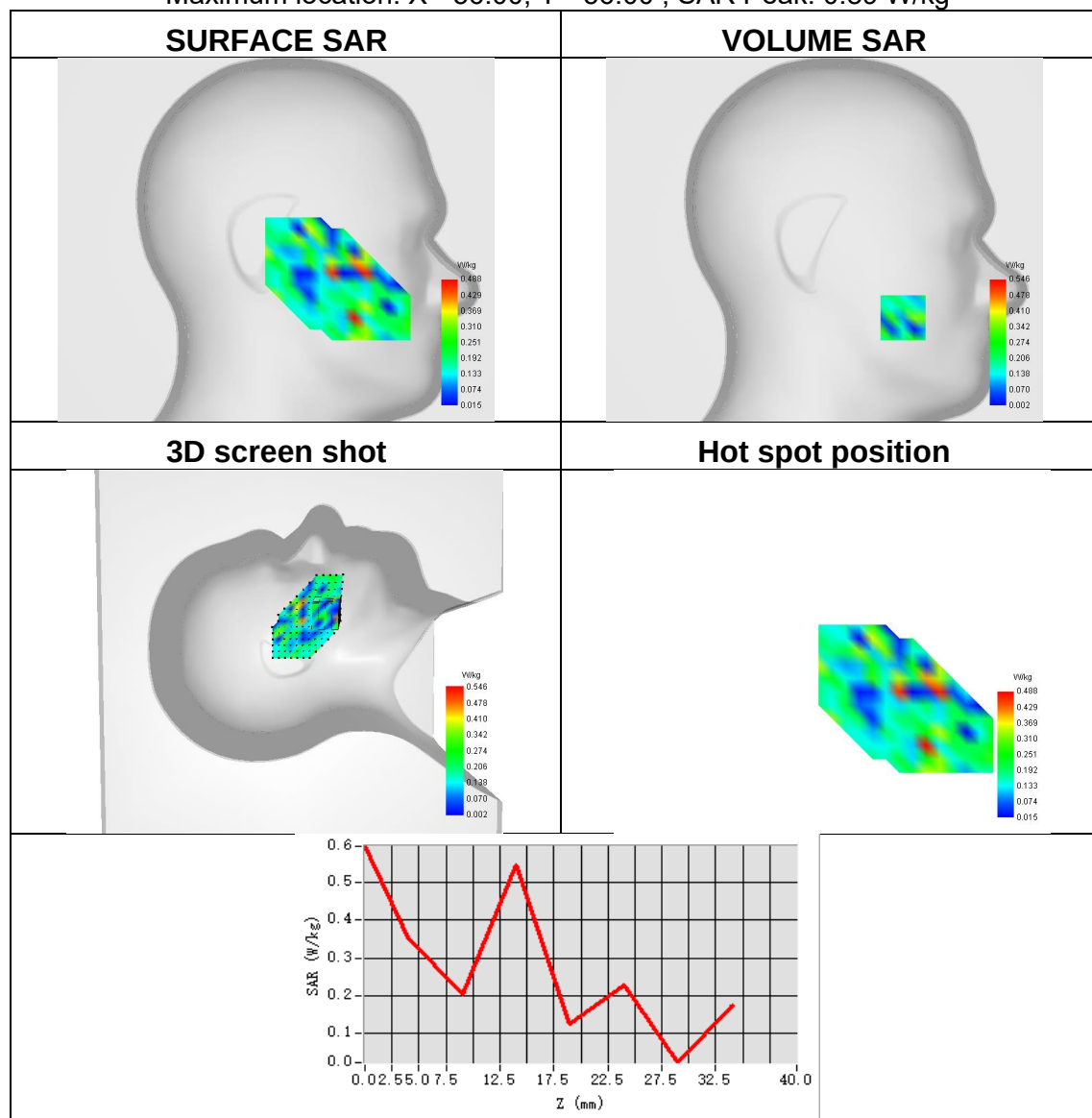
Maximum location: X=8.00, Y=-8.00 ; SAR Peak: 1.00 W/kg



Plot 27:

Test Date	2025-06-01
Area Scan	dx=8mm dy=8mm
Zoom Scan	5x5x7,dx=8mm dy=8mm dz=5mm
Phantom	Left head
Device Position	Cheek
Band	LTE band 7
Signal	LTE FDD
Frequency	2510
SAR 10g (W/Kg)	0.168
SAR 1g (W/Kg)	0.368
ConvF	2.37
Relative permittivity	38.96
Conductivity (S/m)	2.02

Maximum location: X=-56.00, Y=-56.00 ; SAR Peak: 0.89 W/kg

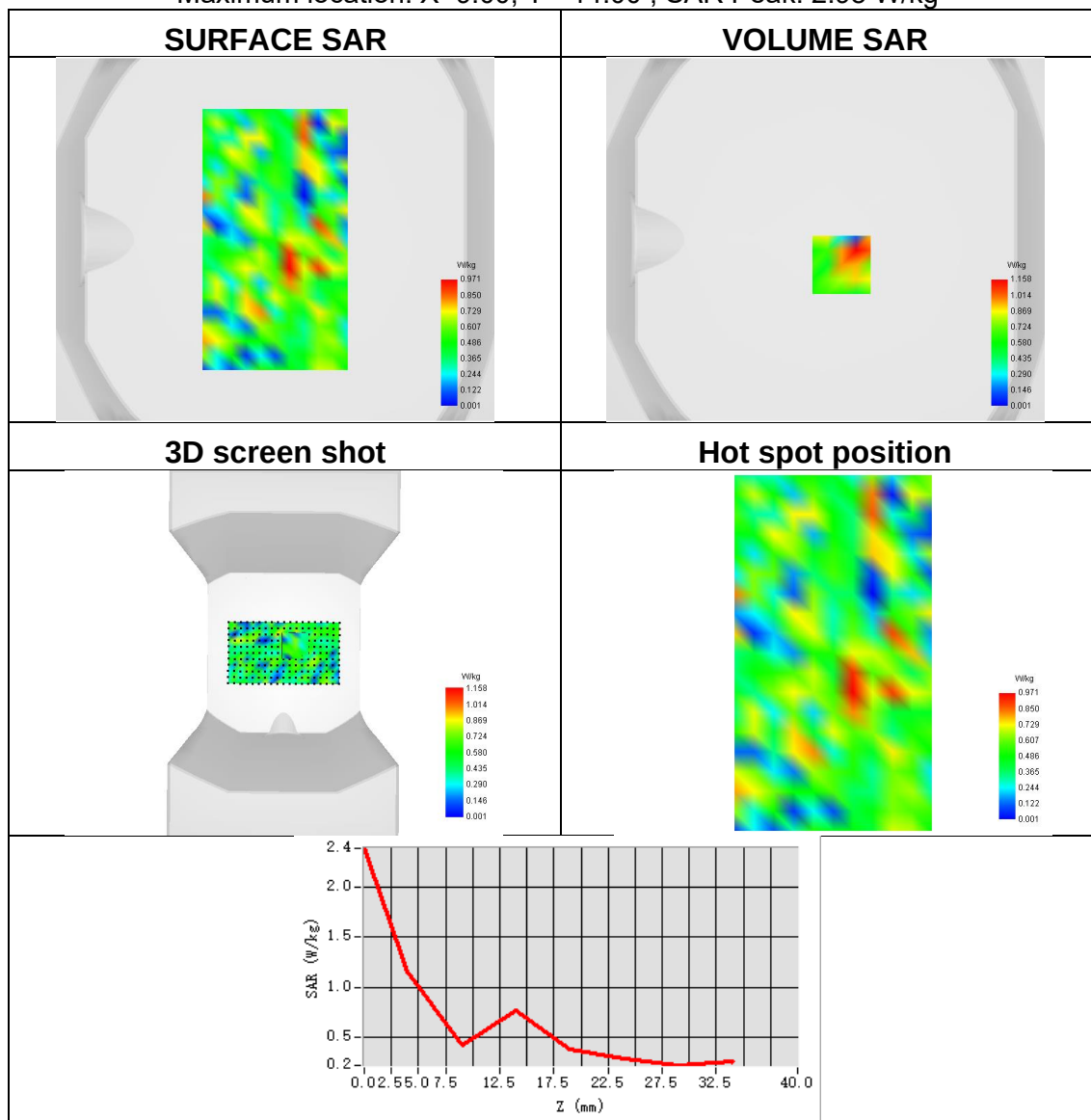




Plot 28:

Test Date	2025-06-01
Area Scan	dx=8mm dy=8mm
Zoom Scan	5x5x7, dx=8mm dy=8mm dz=5mm
Phantom	Validation plane
Device Position	Bottom Side
Band	LTE band 7
Signal	LTE FDD
Frequency	2510
SAR 10g (W/Kg)	0.597
SAR 1g (W/Kg)	1.062
ConvF	2.37
Relative permittivity	38.96
Conductivity (S/m)	2.02

Maximum location: X=9.00, Y=-14.00 ; SAR Peak: 2.98 W/kg

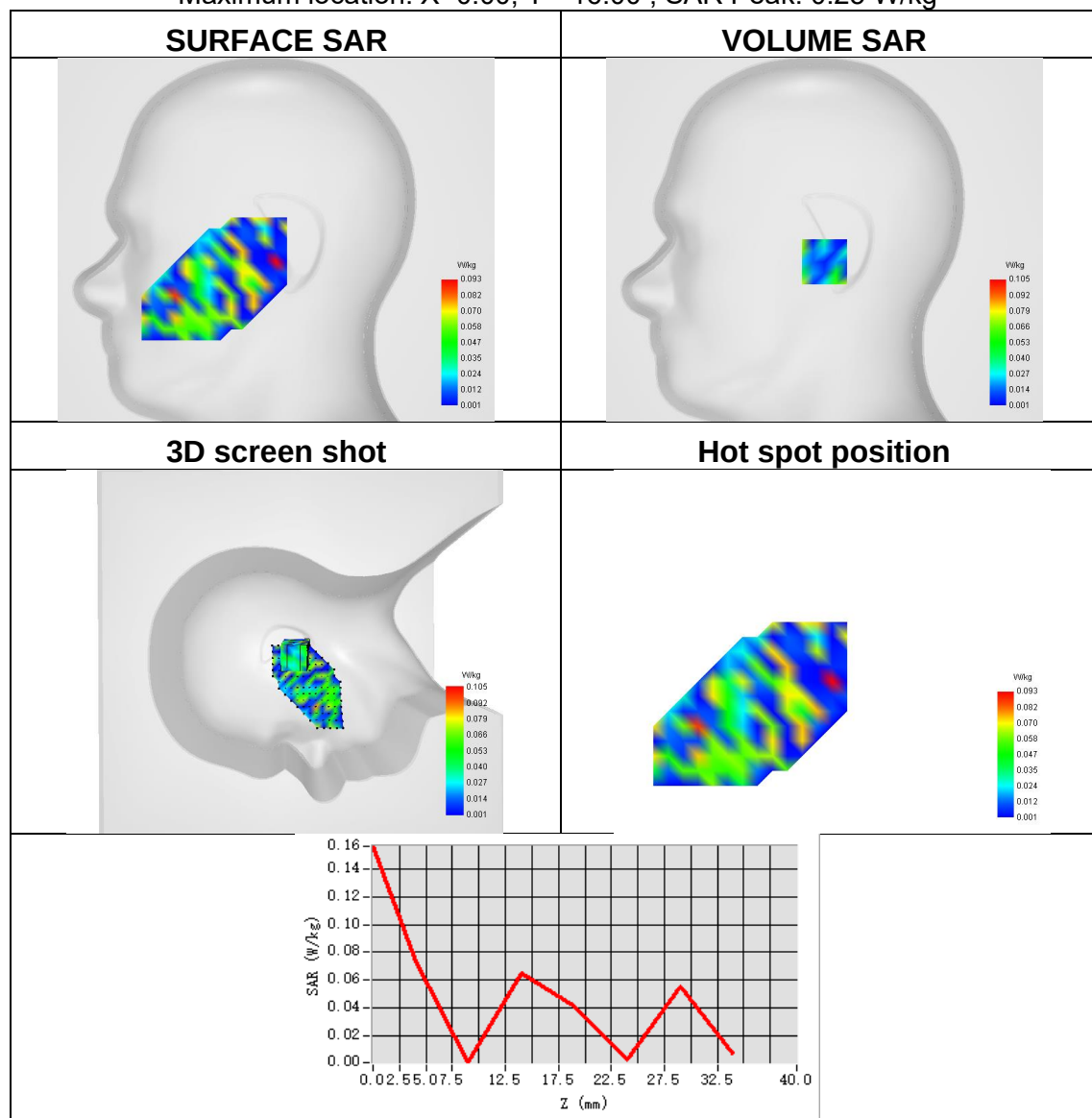




Plot 29:

Test Date	2025-06-22
Area Scan	dx=8mm dy=8mm
Zoom Scan	5x5x7,dx=8mm dy=8mm dz=5mm
Phantom	Right head
Device Position	Cheek
Band	LTE band 12
Signal	LTE FDD
Frequency	707.5
SAR 10g (W/Kg)	0.032
SAR 1g (W/Kg)	0.045
ConvF	1.67
Relative permittivity	42.12
Conductivity (S/m)	0.92

Maximum location: X=0.00, Y=-16.00 ; SAR Peak: 0.25 W/kg

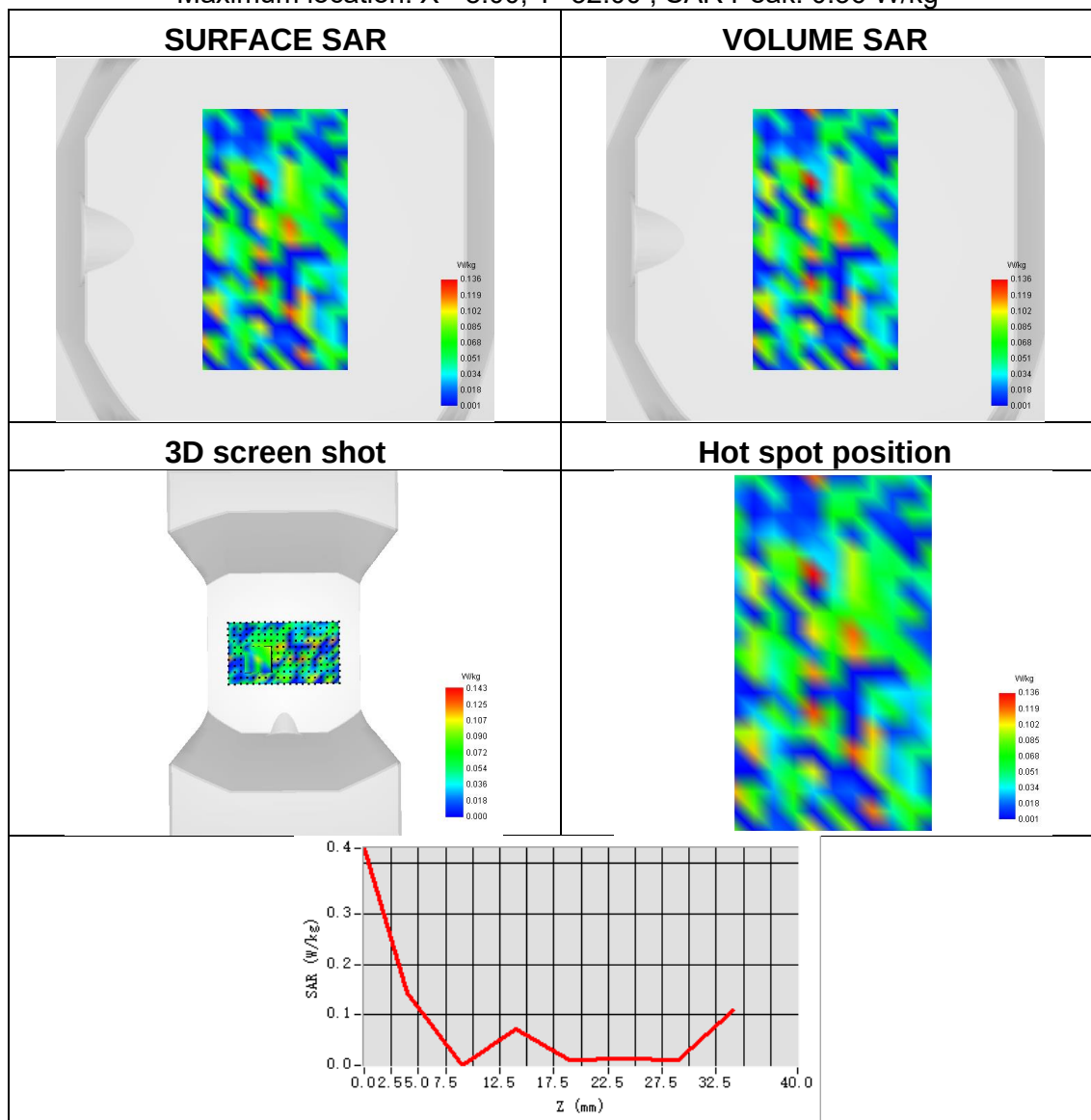




Plot 30:

Test Date	2025-06-22
Area Scan	dx=8mm dy=8mm
Zoom Scan	5x5x7,dx=8mm dy=8mm dz=5mm
Phantom	Validation plane
Device Position	Front side
Band	LTE band 12
Signal	LTE FDD
Frequency	707.5
SAR 10g (W/Kg)	0.070
SAR 1g (W/Kg)	0.148
ConvF	1.67
Relative permittivity	42.12
Conductivity (S/m)	0.92

Maximum location: X=-8.00, Y=32.00 ; SAR Peak: 0.36 W/kg

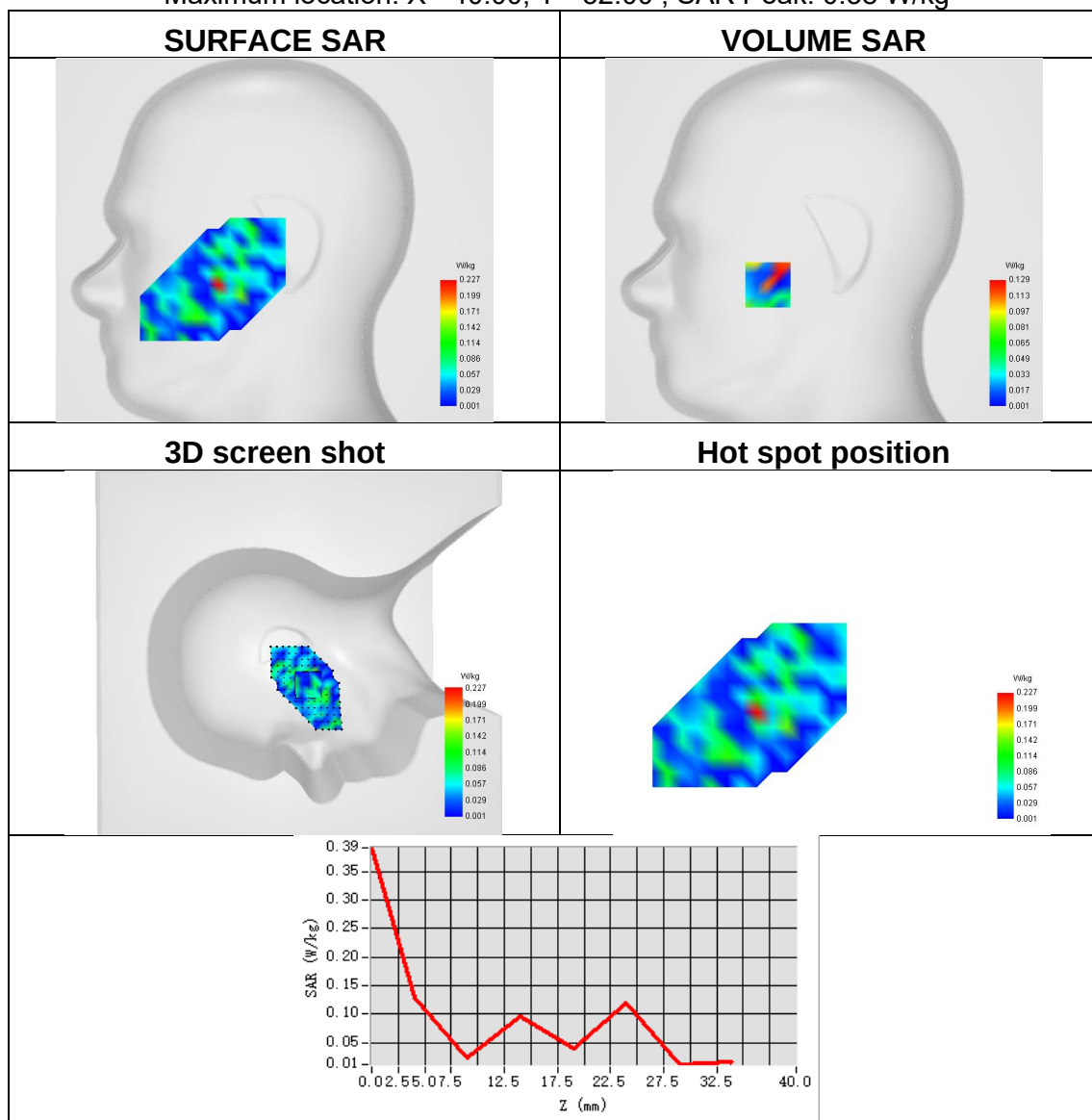




Plot 31:

Test Date	2025-06-25
Area Scan	dx=8mm dy=8mm
Zoom Scan	5x5x7,dx=8mm dy=8mm dz=5mm
Phantom	Right head
Device Position	Cheek
Band	LTE band 13
Signal	LTE FDD
Frequency	782
SAR 10g (W/Kg)	0.047
SAR 1g (W/Kg)	0.144
ConvF	1.67
Relative permittivity	42.14
Conductivity (S/m)	0.86

Maximum location: X=-40.00, Y=-32.00 ; SAR Peak: 0.38 W/kg

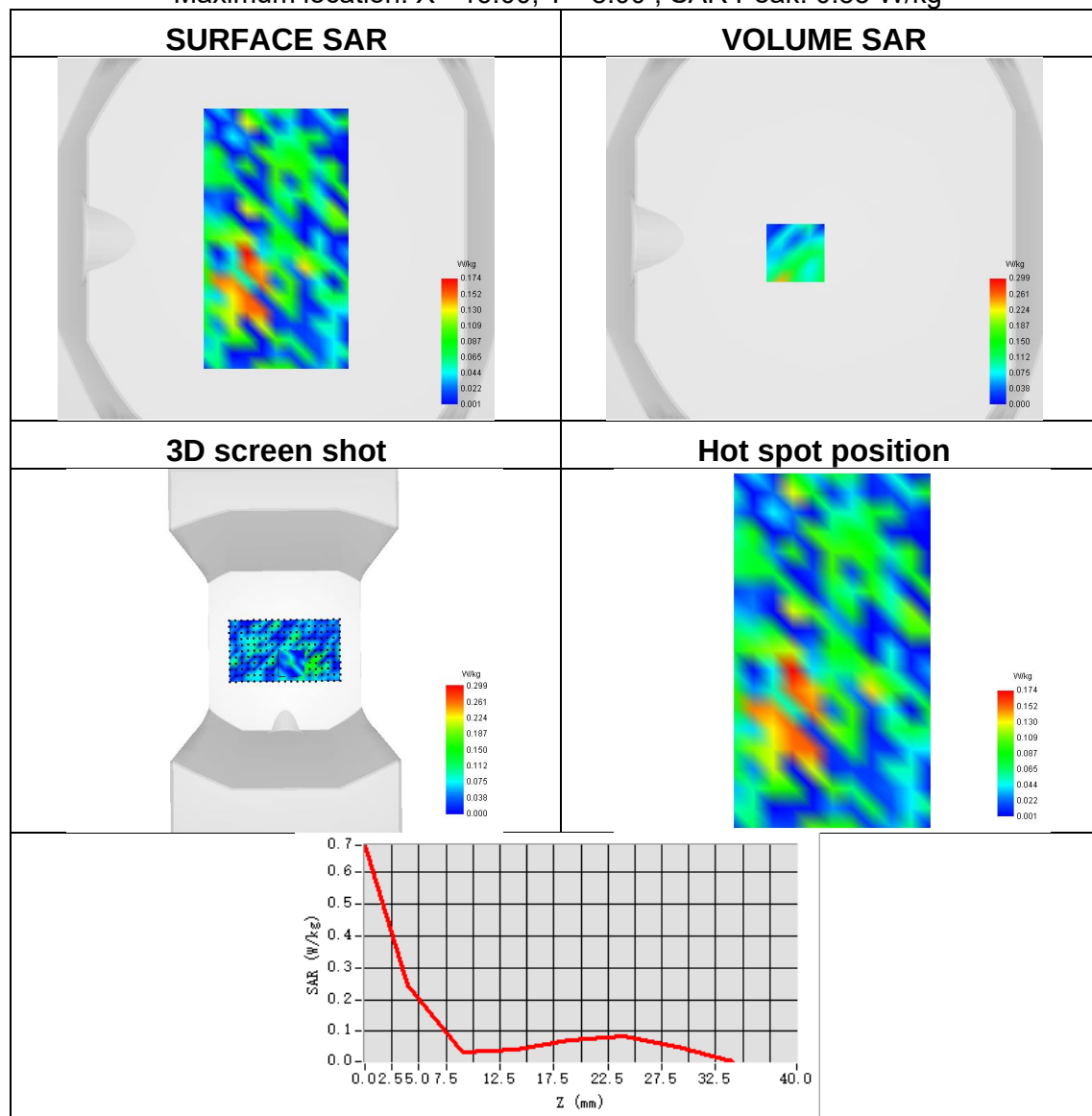




Plot 32:

Test Date	2025-06-25
Area Scan	dx=8mm dy=8mm
Zoom Scan	5x5x7,dx=8mm dy=8mm dz=5mm
Phantom	Validation plane
Device Position	Front side
Band	LTE band 13
Signal	LTE FDD
Frequency	782
SAR 10g (W/Kg)	0.084
SAR 1g (W/Kg)	0.190
ConvF	1.67
Relative permittivity	42.14
Conductivity (S/m)	0.86

Maximum location: X=-16.00, Y=-8.00 ; SAR Peak: 0.55 W/kg





Plot 33:

Test Date	2025-06-22
Area Scan	dx=8mm dy=8mm
Zoom Scan	5x5x7,dx=8mm dy=8mm dz=5mm
Phantom	Right head
Device Position	Cheek
Band	LTE band 17
Signal	LTE FDD
Frequency	709
SAR 10g (W/Kg)	0.061
SAR 1g (W/Kg)	0.109
ConvF	1.67
Relative permittivity	42.12
Conductivity (S/m)	0.92

Maximum location: X=-57.00, Y=-53.00 ; SAR Peak: 0.22 W/kg

