



12.2 Body-worn and Hotspot SAR

Band	Model	Test Position	Freq.	SAR (1g) (W/kg)	Power Drift (%)	Max. Turn-up Power (dBm)	Meas. Output Power (dBm)	Scaling Factor	Scaled SAR (W/Kg)	Meas. No.
GSM850	GPRS Data-4 Slot	Front Side	848.8	0.179	-0.74	33.00	32.70	1.072	0.192	/
		Back Side	848.8	0.306	1.28	33.00	32.70	1.072	0.328	2
		Left Side	848.8	0.150	-2.38	33.00	32.70	1.072	0.161	/
		Right Side	848.8	0.126	3.01	33.00	32.70	1.072	0.135	/
		Top Side	848.8	0.055	-1.32	33.00	32.70	1.072	0.059	/
		Bottom Side	848.8	0.078	2.69	33.00	32.70	1.072	0.084	/
PCS 1900	GPRS Data-4 Slot	Front Side	1850.2	0.778	-3.07	29.90	29.57	1.079	0.839	/
		Front Side	1880	0.720	0.36	29.70	29.44	1.062	0.764	/
		Front Side	1909.8	0.668	1.91	29.30	28.98	1.076	0.719	/
		Back Side	1850.2	0.965	-0.28	29.90	29.57	1.079	1.041	4
		Back Side	1880	0.895	-3.75	29.70	29.44	1.062	0.950	/
		Back Side	1909.8	0.826	2.01	29.30	28.98	1.076	0.889	/
		Left Side	1850.2	0.476	-1.18	29.90	29.57	1.079	0.514	/
		Right Side	1850.2	0.399	-3.25	29.90	29.57	1.079	0.430	/
		Top Side	1850.2	0.262	0.55	29.90	29.57	1.079	0.283	/
		Bottom Side	1850.2	0.232	3.53	29.90	29.57	1.079	0.250	/
WCDMA Band II	RMC	Front Side	1852.4	0.093	0.25	24.50	24.24	1.062	0.099	/
		Back Side	1852.4	0.340	-1.73	24.50	24.24	1.062	0.361	/
		Left Side	1852.4	0.164	1.39	24.50	24.24	1.062	0.174	/
		Right Side	1852.4	0.033	-0.97	24.50	24.24	1.062	0.035	/
		Top Side	1852.4	0.688	-2.25	24.50	24.24	1.062	0.730	6
		Bottom Side	1852.4	0.044	2.44	24.50	24.24	1.062	0.047	/
WCDMA Band V	RMC	Front Side	836.4	0.303	-2.24	24.90	24.58	1.076	0.326	/
		Back Side	836.4	0.376	-1.37	24.90	24.58	1.076	0.405	8
		Left Side	836.4	0.290	-2.70	24.90	24.58	1.076	0.312	/
		Right Side	836.4	0.187	-0.82	24.90	24.58	1.076	0.201	/
		Bottom Side	836.4	0.100	0.56	24.90	24.58	1.076	0.108	/
2.4GHz WLAN	802.11b	Front Side	2412	0.058	3.83	15.10	14.80	1.072	0.062	/
		Back Side	2412	0.110	1.70	15.10	14.80	1.072	0.118	/
		Right Side	2412	0.012	2.76	15.10	14.80	1.072	0.013	/
		Top Side	2412	0.149	-3.83	15.10	14.80	1.072	0.160	10
5.2GHz WLAN	802.11a	Front Side	5180	0.034	0.53	14.30	13.95	1.084	0.037	/
		Back Side	5180	0.068	1.67	14.30	13.95	1.084	0.074	/
		Right Side	5180	0.01	3.36	14.30	13.95	1.084	0.011	/
		Top Side	5180	0.098	-3.64	14.30	13.95	1.084	0.106	12
5.3GHz WLAN	802.11a	Front Side	5260	0.024	1.93	13.80	13.54	1.062	0.025	/
		Back Side	5260	0.047	-1.36	13.80	13.54	1.062	0.050	/
		Right Side	5260	0.009	-2.02	13.80	13.54	1.062	0.010	/
		Top Side	5260	0.072	0.35	13.80	13.54	1.062	0.076	14
5.8GHz WLAN	802.11a	Front Side	5745	0.052	2.78	13.30	13.03	1.064	0.055	/
		Back Side	5745	0.105	0.47	13.30	13.03	1.064	0.112	/
		Right Side	5745	0.013	-2.49	13.30	13.03	1.064	0.014	/
		Top Side	5745	0.156	2.80	13.30	13.03	1.064	0.166	16



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	49	Front side	1880	0.077	0.28	24.30	24.02	1.067	0.082	/
			50	49	Front side	1880	0.062	2.27	23.30	23.01	1.069	0.066	/
			1	49	Back Side	1880	0.300	-2.48	24.30	24.02	1.067	0.320	/
			50	49	Back Side	1880	0.236	2.77	23.30	23.01	1.069	0.252	/
			1	49	Left Side	1880	0.157	0.32	24.30	24.02	1.067	0.167	/
			50	49	Left Side	1880	0.123	2.59	23.30	23.01	1.069	0.131	/
			1	49	Right Side	1880	0.029	0.49	24.30	24.02	1.067	0.031	/
			50	49	Right Side	1880	0.023	1.31	23.30	23.01	1.069	0.025	/
			1	49	Top Side	1880	0.615	-2.02	24.30	24.02	1.067	0.656	18
			50	49	Top Side	1880	0.485	3.92	23.30	23.01	1.069	0.518	/
LTE Band 4	20M	QPSK	1	49	Front side	1720	0.055	-1.46	24.20	23.92	1.067	0.059	/
			50	24	Front side	1720	0.044	-2.11	23.20	22.85	1.084	0.048	/
			1	49	Back Side	1720	0.221	-0.48	24.20	23.92	1.067	0.236	/
			50	24	Back Side	1720	0.176	-0.59	23.20	22.85	1.084	0.191	/
			1	49	Left Side	1720	0.116	-0.11	24.20	23.92	1.067	0.124	/
			50	24	Left Side	1720	0.092	-0.91	23.20	22.85	1.084	0.100	/
			1	49	Right Side	1720	0.022	2.74	24.20	23.92	1.067	0.023	/
			50	24	Right Side	1720	0.017	0.48	23.20	22.85	1.084	0.018	/
			1	49	Top Side	1720	0.452	2.15	24.20	23.92	1.067	0.482	20
			50	24	Top Side	1720	0.359	-1.62	23.20	22.85	1.084	0.389	/
LTE Band 5	10M	QPSK	1	24	Front side	836.5	0.309	0.12	25.40	25.08	1.076	0.333	/
			25	12	Front side	836.5	0.246	0.62	24.40	24.09	1.074	0.264	/
			1	24	Back Side	836.5	0.379	3.73	25.40	25.08	1.076	0.408	22
			25	12	Back Side	836.5	0.300	-3.57	24.40	24.09	1.074	0.322	/
			1	24	Left Side	836.5	0.188	3.36	25.40	25.08	1.076	0.202	/
			25	12	Left Side	836.5	0.150	-3.39	24.40	24.09	1.074	0.161	/
			1	24	Right Side	836.5	0.159	1.16	25.40	25.08	1.076	0.171	/
			25	12	Right Side	836.5	0.125	-3.07	24.40	24.09	1.074	0.134	/
			1	24	Bottom Side	836.5	0.091	2.42	25.40	25.08	1.076	0.098	/
			25	12	Bottom Side	836.5	0.075	2.99	24.40	24.09	1.074	0.081	/
LTE Band 13	10M	QPSK	1	49	Front side	782	0.128	1.45	25.00	24.69	1.074	0.137	/



			25	12	Front side	782	0.102	1.37	23.90	23.58	1.076	0.110	/
			1	49	Back Side	782	0.157	-3.05	25.00	24.69	1.074	0.169	24
			25	12	Back Side	782	0.127	3.53	23.90	23.58	1.076	0.137	/
			1	49	Left Side	782	0.077	2.51	25.00	24.69	1.074	0.083	/
			25	12	Left Side	782	0.062	-2.93	23.90	23.58	1.076	0.067	/
			1	49	Right Side	782	0.068	0.17	25.00	24.69	1.074	0.073	/
			25	12	Right Side	782	0.055	-2.01	23.90	23.58	1.076	0.059	/
			1	49	Bottom Side	782	0.037	3.86	25.00	24.69	1.074	0.040	/
			25	12	Bottom Side	782	0.031	2.40	23.90	23.58	1.076	0.033	/
LTE Band 66	20M	QPSK	1	49	Front side	1720	0.056	-3.30	24.10	23.84	1.062	0.059	/
			50	49	Front side	1720	0.045	2.51	23.10	22.82	1.067	0.048	/
			1	49	Back Side	1720	0.208	-0.06	24.10	23.84	1.062	0.221	/
			50	49	Back Side	1720	0.163	3.51	23.10	22.82	1.067	0.174	/
			1	49	Left Side	1720	0.107	-3.51	24.10	23.84	1.062	0.114	/
			50	49	Left Side	1720	0.087	0.68	23.10	22.82	1.067	0.093	/
			1	49	Right Side	1720	0.019	1.72	24.10	23.84	1.062	0.020	/
			50	49	Right Side	1720	0.018	-3.96	23.10	22.82	1.067	0.019	/
			1	49	Top Side	1720	0.427	1.43	24.10	23.84	1.062	0.453	26
			50	49	Top Side	1720	0.340	-2.15	23.10	22.82	1.067	0.363	/

Note:

1. The test separation of all above table is 10mm.
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.



12.3 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)
PCS 1900	GPRS Data-4 Slot	Front Side	1850.2	0.757	1.13	29.90	29.57	1.079	0.816
		Back Side	1850.2	0.958	-3.47	29.90	29.57	1.079	1.033
		Back Side	1880	0.883	1.36	29.70	29.44	1.062	0.938
		Back Side	1909.8	0.800	3.05	29.30	28.98	1.076	0.861

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	49	Right Cheek	1880	0.746	3.79	24.30	24.02	1.067	0.796
LTE Band 4	20M	QPSK	1	49	Right Cheek	1720	0.938	2.74	24.20	23.92	1.067	1.000
			1	49	Right Cheek	1732.5	0.885	0.66	24.20	23.83	1.089	0.964
			1	49	Right Cheek	1745	0.849	-3.89	24.20	23.76	1.107	0.940
			50	24	Right Cheek	1720	0.740	3.70	23.20	22.85	1.084	0.802
			1	49	Right Tilt	1720	0.856	-2.36	24.20	23.92	1.067	0.913
			1	49	Right Tilt	1732.5	0.802	0.03	24.20	23.83	1.089	0.873
			1	49	Right Tilt	1745	0.796	-1.70	24.20	23.76	1.107	0.881
LTE Band 66	20M	QPSK	1	49	Right Cheek	1720	0.970	-0.41	24.10	23.84	1.062	1.030
			1	49	Right Cheek	1745	0.915	1.34	24.10	23.76	1.081	0.990
			1	49	Right Cheek	1770	0.859	-0.43	24.10	23.59	1.125	0.966
			50	49	Right Cheek	1720	0.772	0.83	23.10	22.82	1.067	0.823
			50	49	Right Cheek	1745	0.733	3.21	23.10	22.65	1.109	0.813
			50	49	Right Cheek	1770	0.676	0.25	23.10	22.45	1.161	0.785
			1	49	Right Tilt	1720	0.888	3.79	24.10	23.84	1.062	0.943
			1	49	Right Tilt	1745	0.844	3.07	24.10	23.76	1.081	0.913
			1	49	Right Tilt	1770	0.768	1.71	24.10	23.59	1.125	0.864



12.4 Repeated SAR measurement

Band	Mode	Test Position	Ch.	Original Measured SAR 1g(W/kg)	1 st Repeated SAR 1g	Ratio
PCS 1900	GPRS Data-4 Slot	Front Side	1850	0.778	0.757	1.028
		Back Side	1850	0.965	0.958	1.008
		Back Side	1880	0.895	0.883	1.013
		Back Side	1910	0.826	0.800	1.032

Band	BW (MHz)	Mod.	RB Size	RB offset	Test Position	Freq.	Original Measured SAR 1g(W/kg)	1 st Repeated SAR 1g	Ratio
LTE Band 2	20M	QPSK	1	49	Right Cheek	1880	0.770	0.746	1.032
LTE Band 4	20M	QPSK	1	49	Right Cheek	1720	0.984	0.938	1.049
			1	49	Right Cheek	1732.5	0.921	0.885	1.041
			1	49	Right Cheek	1745	0.881	0.849	1.038
			50	24	Right Cheek	1720	0.762	0.740	1.029
			1	49	Right Tilt	1720	0.887	0.856	1.036
			1	49	Right Tilt	1732.5	0.831	0.802	1.036
			1	49	Right Tilt	1745	0.796	0.796	1.000
LTE Band 66	20M	QPSK	1	49	Right Cheek	1720	1.016	0.970	1.047
			1	49	Right Cheek	1745	0.950	0.915	1.039
			1	49	Right Cheek	1770	0.874	0.859	1.018
			50	49	Right Cheek	1720	0.801	0.772	1.037
			50	49	Right Cheek	1745	0.753	0.733	1.027
			50	49	Right Cheek	1770	0.692	0.676	1.024
			1	49	Right Tilt	1720	0.916	0.888	1.031
			1	49	Right Tilt	1745	0.859	0.844	1.018
			1	49	Right Tilt	1770	0.792	0.768	1.031

Note:

1. Per KDB 865664 D01, for each frequency band, repeated SAR measurement is required only when the measured SAR is $\geq 0.8W/Kg$.
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 $< 1.45W/Kg$, 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 $\geq 1.45W/Kg$.
4. The ratio is the difference in percentage between original and repeated measured SAR.



12.5 Simultaneous Multi-band Transmission Evaluation

Application Simultaneous Transmission information:

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

NOTE:

1. Bluetooth and WLAN can't simultaneous transmission at the same time.
2. For simultaneous transmission at head and body exposure position, 2 transmitters simultaneous transmission was the worst state.
3. If the test separation distance is <5mm, 5mm is used for excluded SAR calculation.
4. KDB 447498 / 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 $>50 \text{ mm}$.

Estimated SAR		Maximum Turn-up Power		Antenna to user(mm)	Frequency (GHz)	Stand Alone SAR(1g) [W/kg]
		dBm	mW			
BT	Head	1.2	1.318	5	2.402	0.054
	Body			5	2.402	0.054
NFC	Head	-32	0.001	5	0.01356	0.000002
	Body			5	0.01356	0.000002



Simultaneous Mode	Position	Mode	Max. 1-g SAR	1-g Sum SAR
			(W/kg)	(W/kg)
GSM + 2.4G WLAN	Head	GSM	0.605	0.859
		NFC	0.000002	
		2.4G WLAN	0.254	
	Body	GSM	1.041	1.201
		NFC	0.000002	
		2.4G WLAN	0.160	
GSM + Bluetooth	Head	GSM	0.605	0.659
		NFC	0.000002	
		BT	0.054	
	Body	GSM	1.041	1.095
		NFC	0.000002	
		BT	0.054	
GSM + 5G WLAN	Head	GSM	0.605	1.204
		NFC	0.000002	
		5G WLAN	0.599	
	Body	GSM	1.041	1.207
		NFC	0.000002	
		5G WLAN	0.166	
WCDMA + 2.4G WLAN	Head	WCDMA	0.362	0.616
		NFC	0.000002	
		2.4G WLAN	0.254	
	Body	WCDMA	0.730	0.890
		NFC	0.000002	
		2.4G WLAN	0.160	
WCDMA + Bluetooth	Head	WCDMA	0.362	0.416
		NFC	0.000002	
		BT	0.054	
	Body	WCDMA	0.730	0.784
		NFC	0.000002	
		BT	0.054	
WCDMA + 5G WLAN	Head	WCDMA	0.362	0.961
		NFC	0.000002	
		5G WLAN	0.599	
	Body	WCDMA	0.730	0.896
		NFC	0.000002	
		5G WLAN	0.166	
LTE + 2.4G WLAN	Head	LTE	1.079	1.333
		NFC	0.000002	
		2.4G WLAN	0.254	
	Body	LTE	0.656	0.816
		NFC	0.000002	
		2.4G WLAN	0.160	
LTE + Bluetooth	Head	LTE	1.079	1.133
		NFC	0.000002	
		BT	0.054	



LTE + 5G WLAN	Body	LTE	0.656	0.710
		NFC	0.000002	
		BT	0.054	
	Right Head	LTE	1.079	1.416
		NFC	0.000002	
		5G WLAN	0.337	
	Left Head	LTE	0.570	1.169
		NFC	0.000002	
		5G WLAN	0.599	
	Body	LTE	0.605	0.771
		NFC	0.000002	
		5G WLAN	0.166	

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

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



13. Equipment List

Kind of Equipment	Manufacturer	Type No.	Serial No.	Last Calibration	Calibrated Until
750MHz Dipole	MVG	DIP0G750	SN 06/22 DIP0G750-638	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
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)

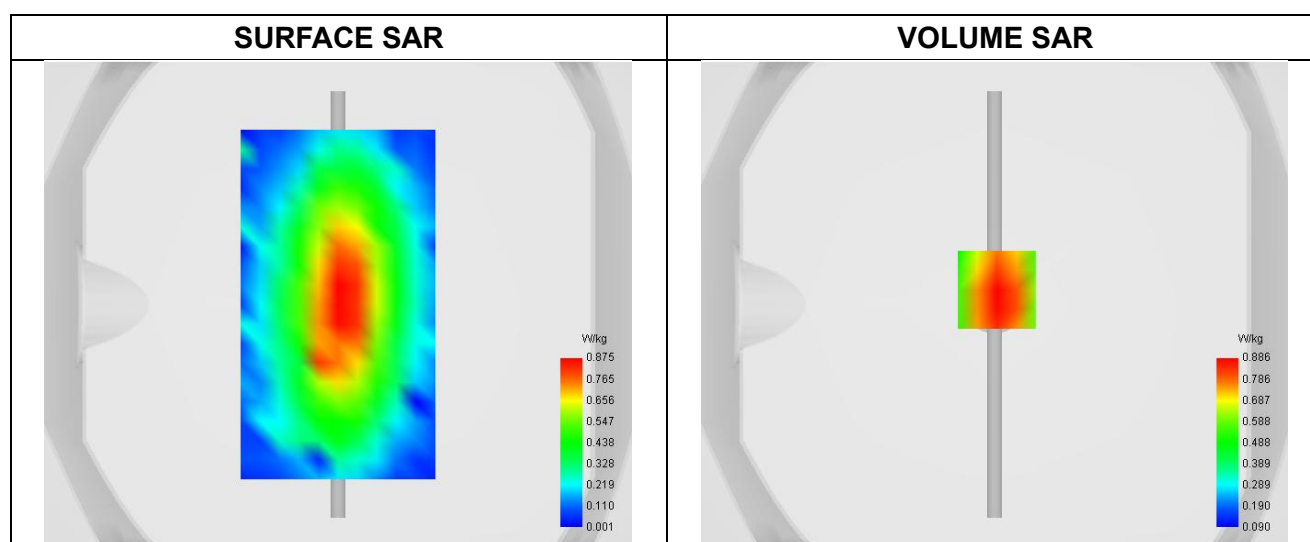
Area scan resolution: dx=8mm,dy=8mm

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

Date of measurement: 2026-08-06

Experimental conditions.

Phantom	Validation plane
Device Position	Dipole
Band	CW750
Channels	Middle
Signal	CW
Frequency (MHz)	750.000
Relative permittivity	43.08
Conductivity (S/m)	0.90
Probe	0326-EPGO-431
ConvF	0.71
Crest factor:	1:1

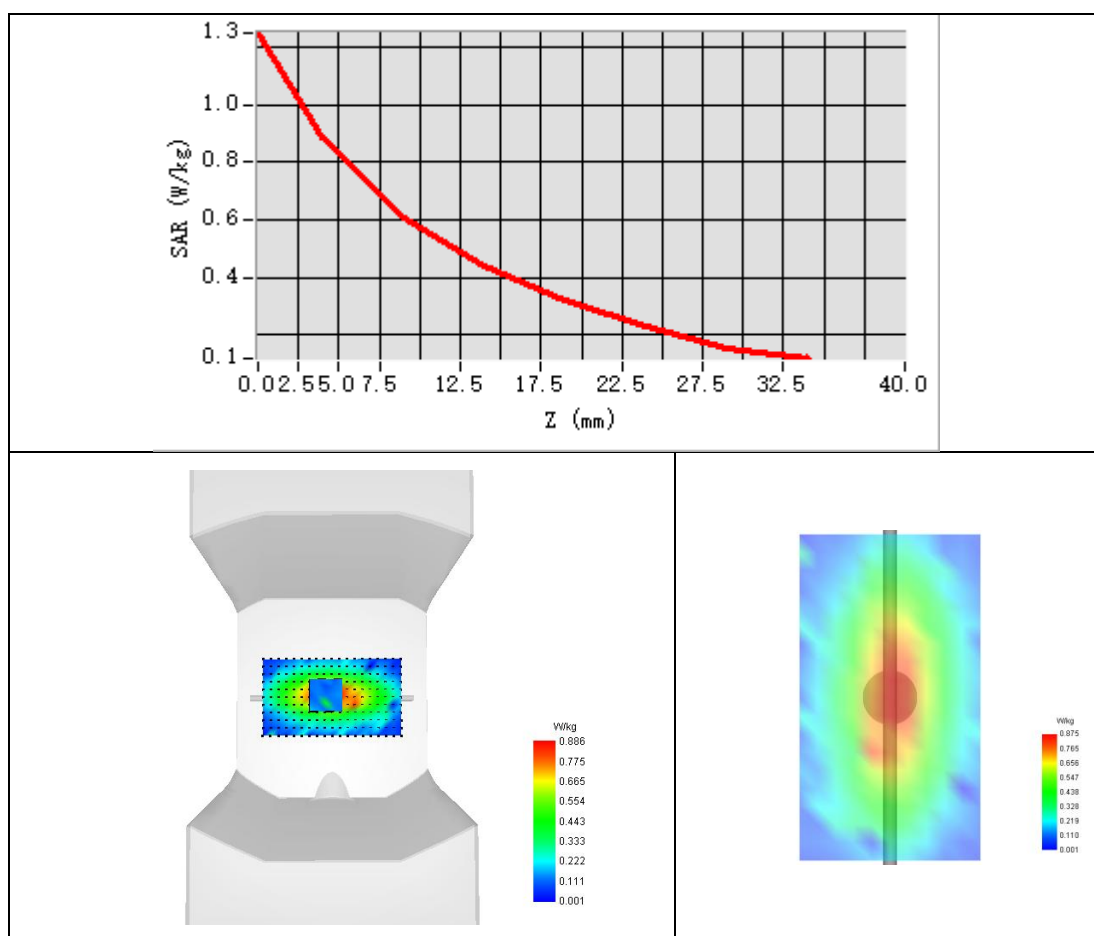


Maximum location: X=5.00, Y=9.00 ; SAR Peak: 1.52 W/kg

SAR 10g (W/Kg)	0.516
SAR 1g (W/Kg)	0.873



Z Axis Scan





System Performance Check Data (835MHz)

Type: Phone measurement (Complete)

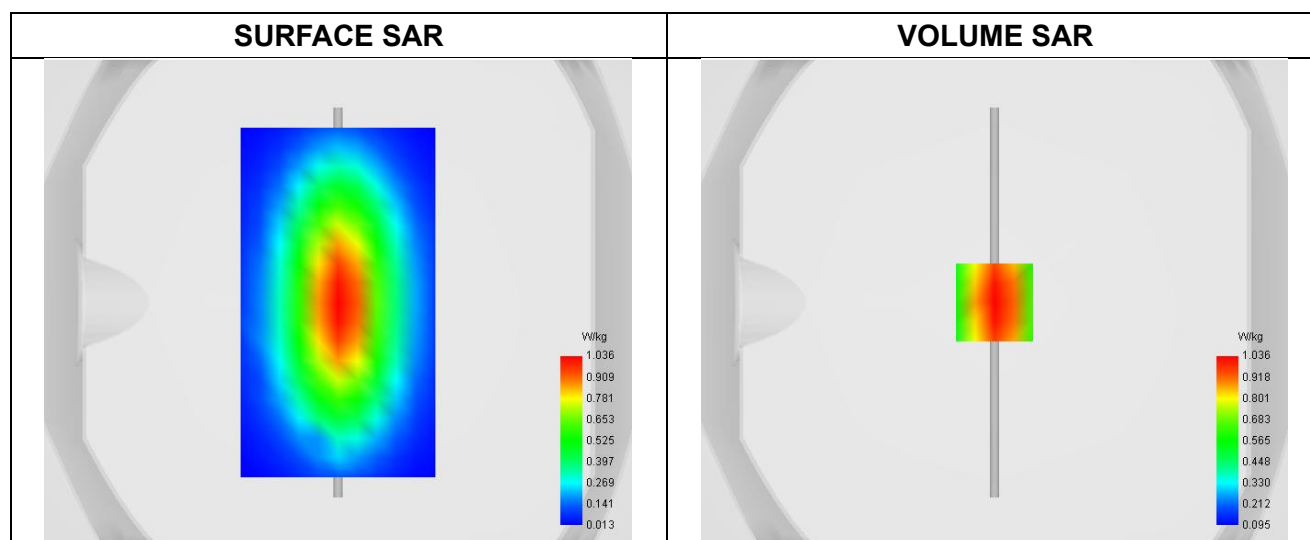
Area scan resolution: dx=8mm,dy=8mm

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

Date of measurement: 2026-08-05

Experimental conditions.

Phantom	Validation plane
Device Position	Dipole
Band	CW835
Channels	Middle
Signal	CW
Frequency (MHz)	835.000
Relative permittivity	42.28
Conductivity (S/m)	0.93
Probe	0326-EPGO-431
ConvF	0.69
Crest factor:	1:1

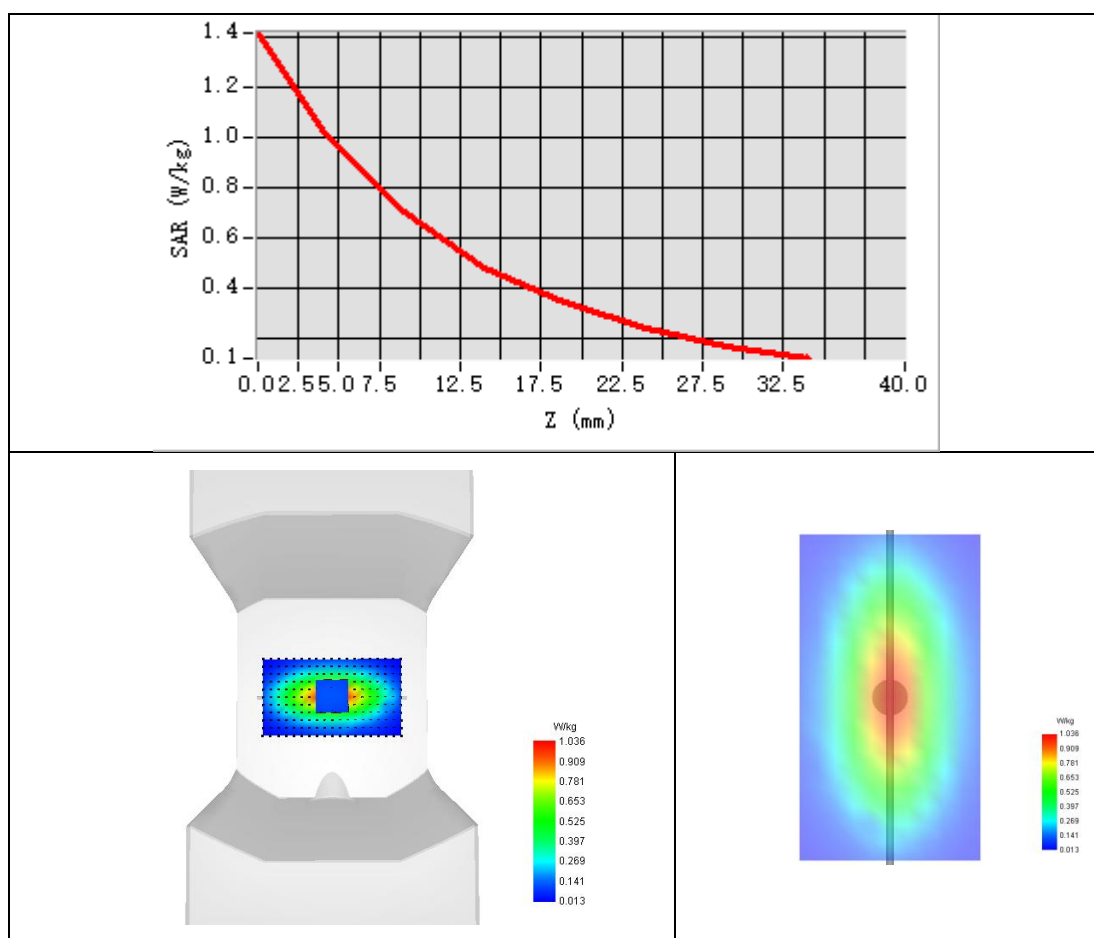


Maximum location: X=5.00, Y=5.00 ; SAR Peak: 1.45 W/kg

SAR 10g (W/Kg)	0.589
SAR 1g (W/Kg)	0.943



Z Axis Scan





System Performance Check Data (1800MHz)

Type: Phone measurement (Complete)

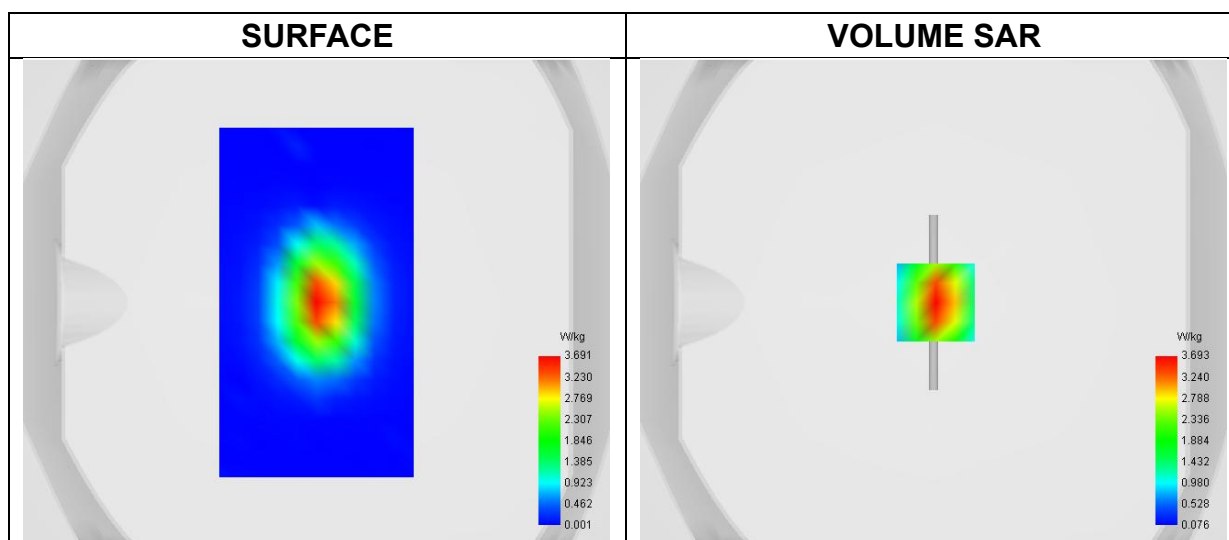
Area scan resolution: dx=8mm, dy=8mm

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

Date of measurement: 2026-08-04

Experimental conditions.

Phantom	Validation plane
Device Position	Dipole
Band	CW1800
Channels	Middle
Signal	CW
Frequency (MHz)	1800.000
Relative permittivity	40.67
Conductivity (S/m)	1.39
Probe	0326-EPGO-431
ConvF	0.69
Crest factor:	1:1

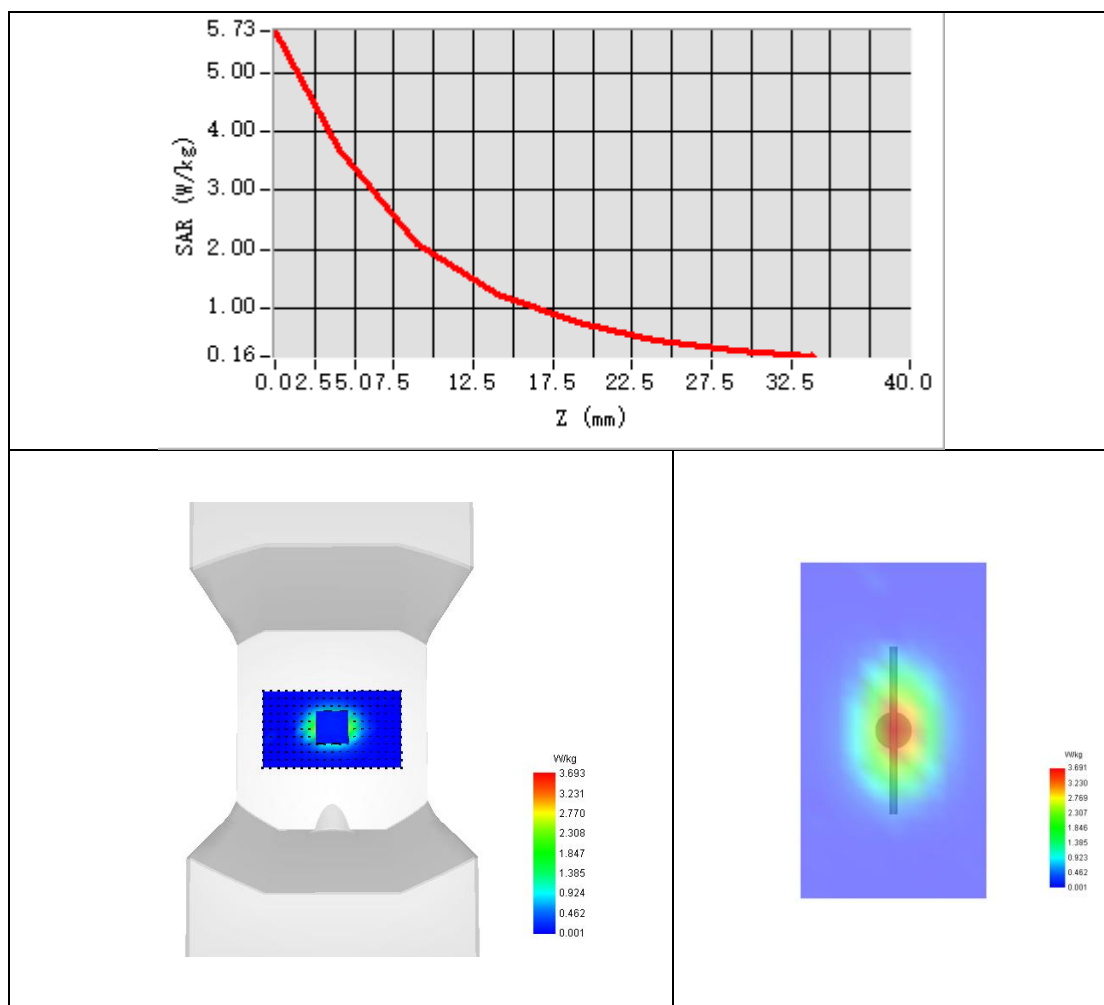


Maximum location: X=3.00, Y=3.00 ; SAR Peak: 6.84 W/kg

SAR 10g (W/Kg)	1.915
SAR 1g (W/Kg)	3.675



Z Axis Scan





System Performance Check Data (1800MHz)

Type: Phone measurement (Complete)

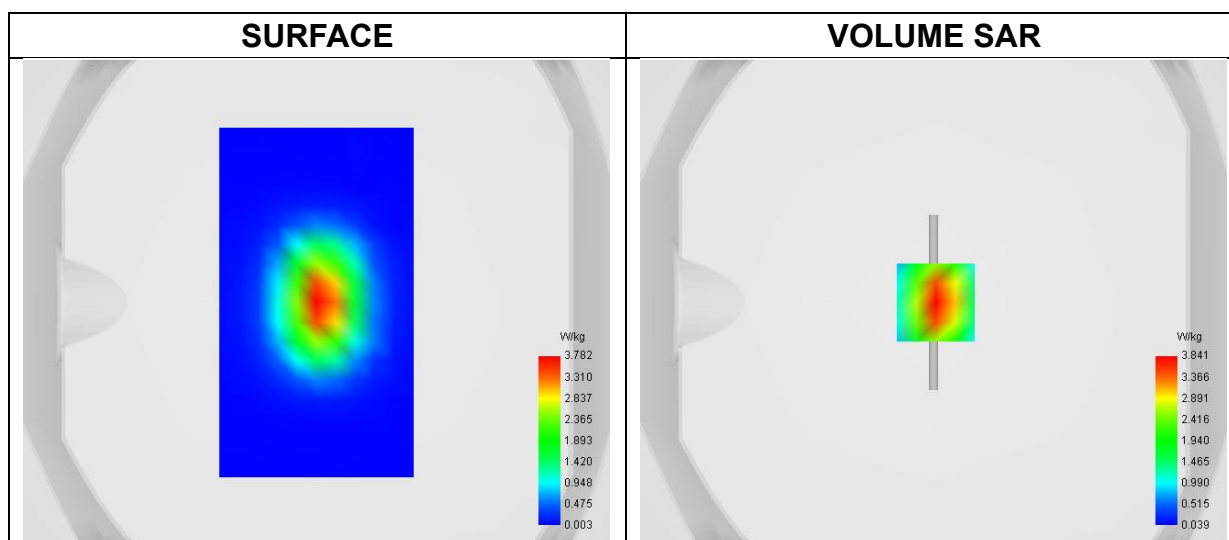
Area scan resolution: dx=8mm, dy=8mm

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

Date of measurement: 2026-08-07

Experimental conditions.

Phantom	Validation plane
Device Position	Dipole
Band	CW1800
Channels	Middle
Signal	CW
Frequency (MHz)	1800.000
Relative permittivity	40.80
Conductivity (S/m)	1.41
Probe	0326-EPGO-431
ConvF	0.69
Crest factor:	1:1

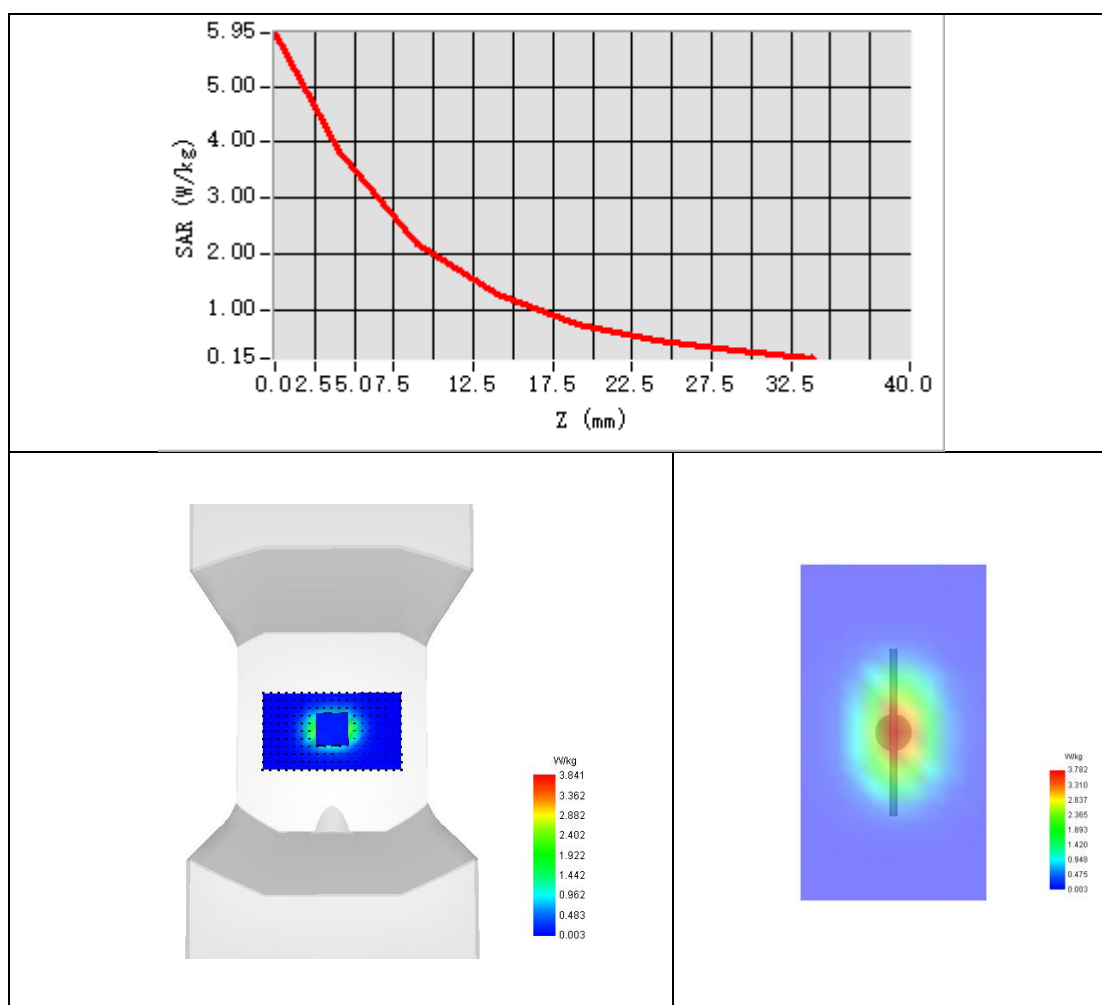


Maximum location: X=3.00, Y=3.00 ; SAR Peak: 6.84 W/kg

SAR 10g (W/Kg)	1.906
SAR 1g (W/Kg)	3.636



Z Axis Scan





System Performance Check Data (1900MHz)

Type: Phone measurement (Complete)

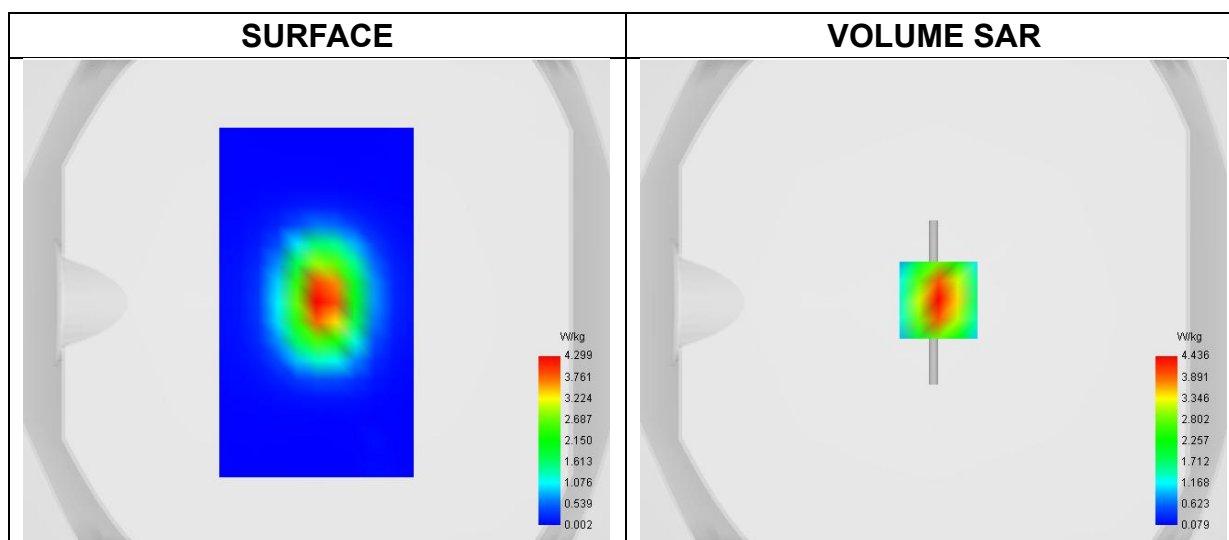
Area scan resolution: dx=8mm, dy=8mm

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

Date of measurement: 2026-08-08

Experimental conditions.

Phantom	Validation plane
Device Position	Dipole
Band	CW1900
Channels	Middle
Signal	CW
Frequency (MHz)	1900.000
Relative permittivity	40.55
Conductivity (S/m)	1.37
Probe	0326-EPGO-431
ConvF	0.90
Crest factor:	1:1

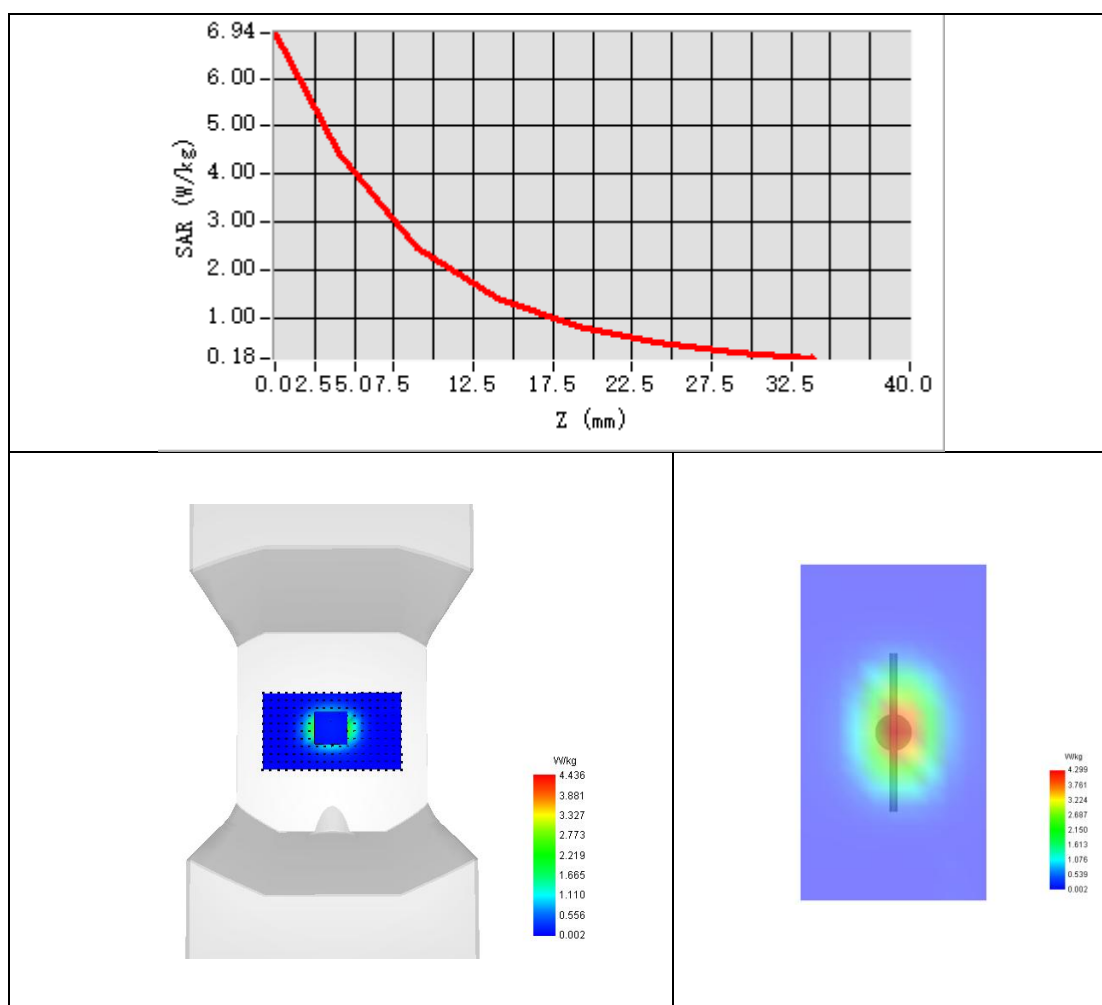


Maximum location: X=5.00, Y=1.00 ; SAR Peak: 6.89 W/kg

SAR 10g (W/Kg)	2.106
SAR 1g (W/Kg)	4.036



Z Axis Scan





System Performance Check Data (2450MHz)

Type: Phone measurement (Complete)

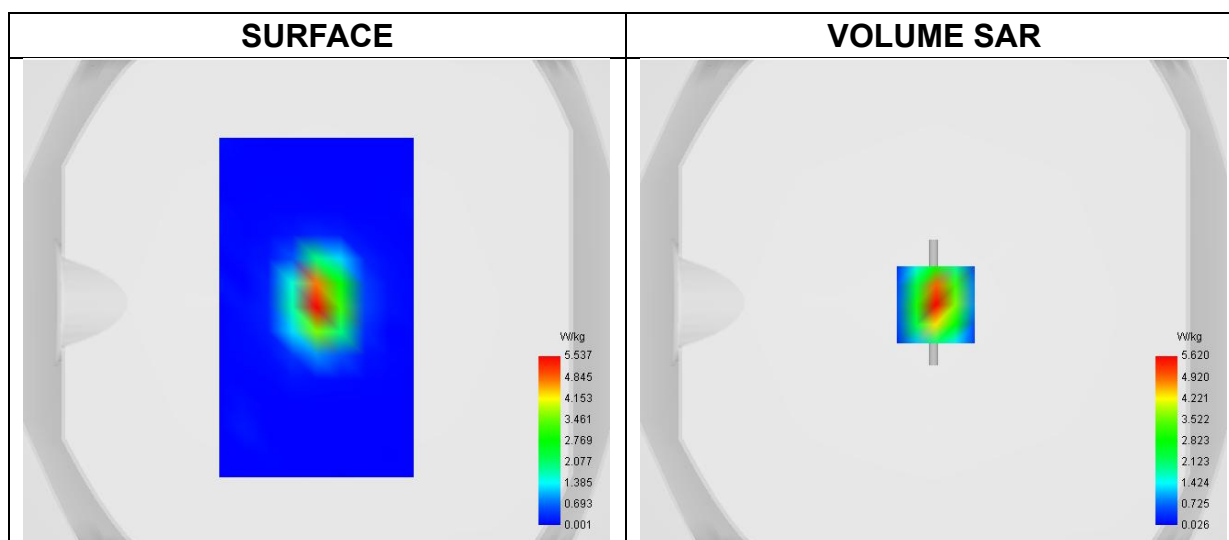
Area scan resolution: dx=8mm, dy=8mm

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

Date of measurement: 2026-08-07

Experimental conditions.

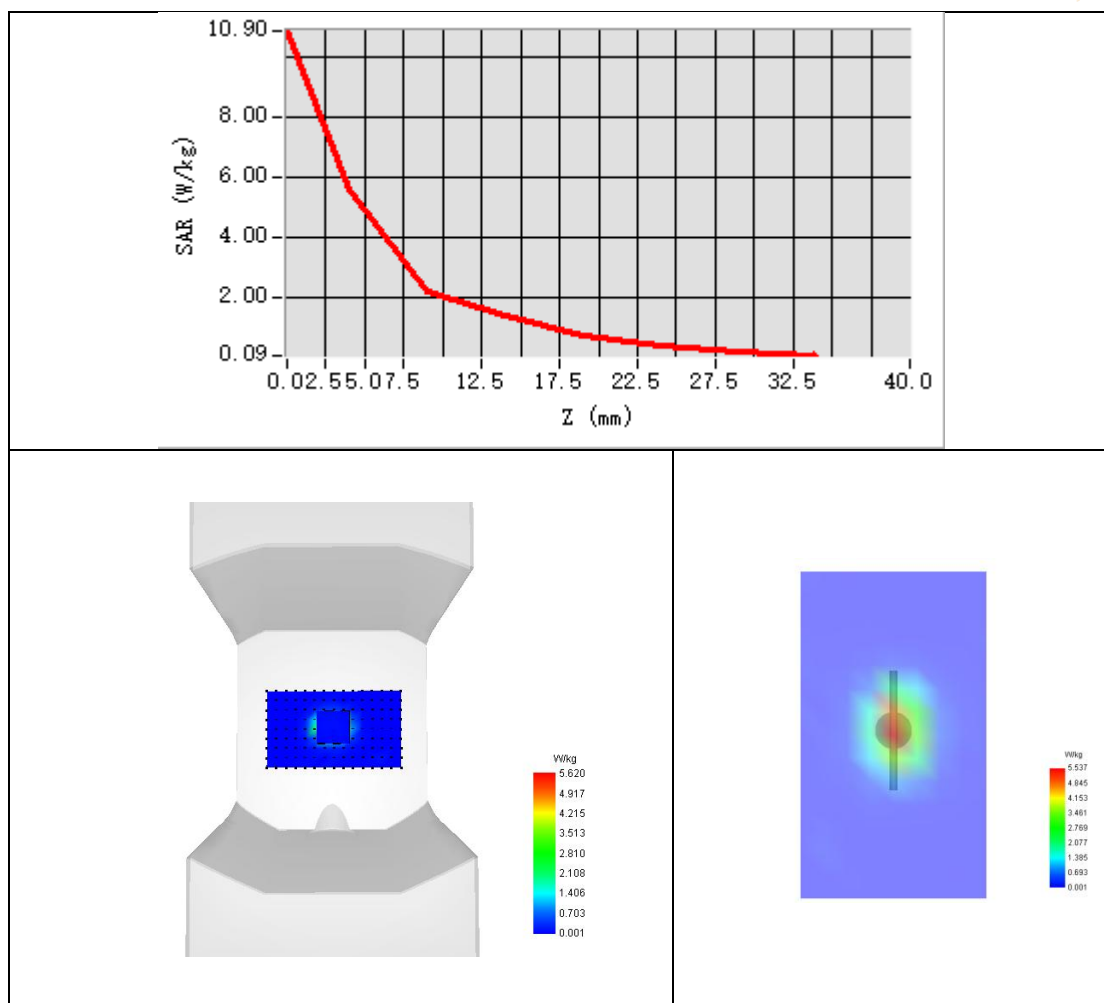
Phantom	Validation plane
Device Position	Dipole
Band	CW2450
Channels	Middle
Signal	CW
Frequency (MHz)	2450.000
Relative permittivity	39.73
Conductivity (S/m)	1.79
Probe	0326-EPGO-431
ConvF	1.03
Crest factor:	1:1



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

SAR 10g (W/Kg)	2.439
SAR 1g (W/Kg)	5.316

Z Axis Scan





System Performance Check Data (5200MHz)

Type: Phone measurement (Complete)

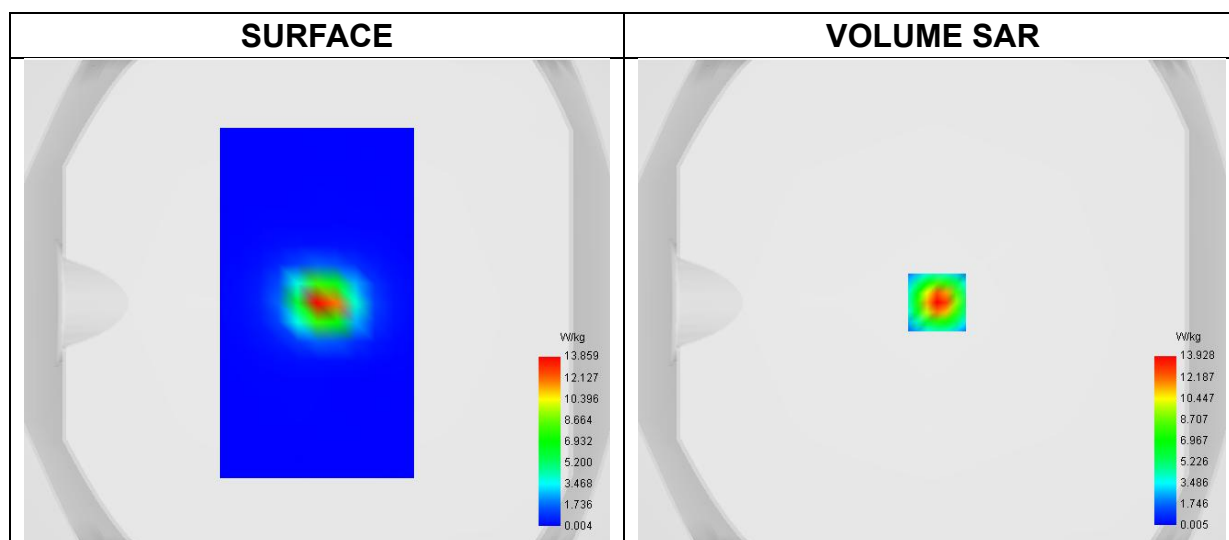
Area scan resolution: dx=8mm, dy=8mm

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

Date of measurement: 2026-08-09

Experimental conditions.

Phantom	Validation plane
Device Position	Dipole
Band	CW5200
Channels	Middle
Signal	CW
Frequency (MHz)	5200.000
Relative permittivity	36.38
Conductivity (S/m)	4.62
Probe	0326-EPGO-431
ConvF	1.08
Crest factor:	1:1

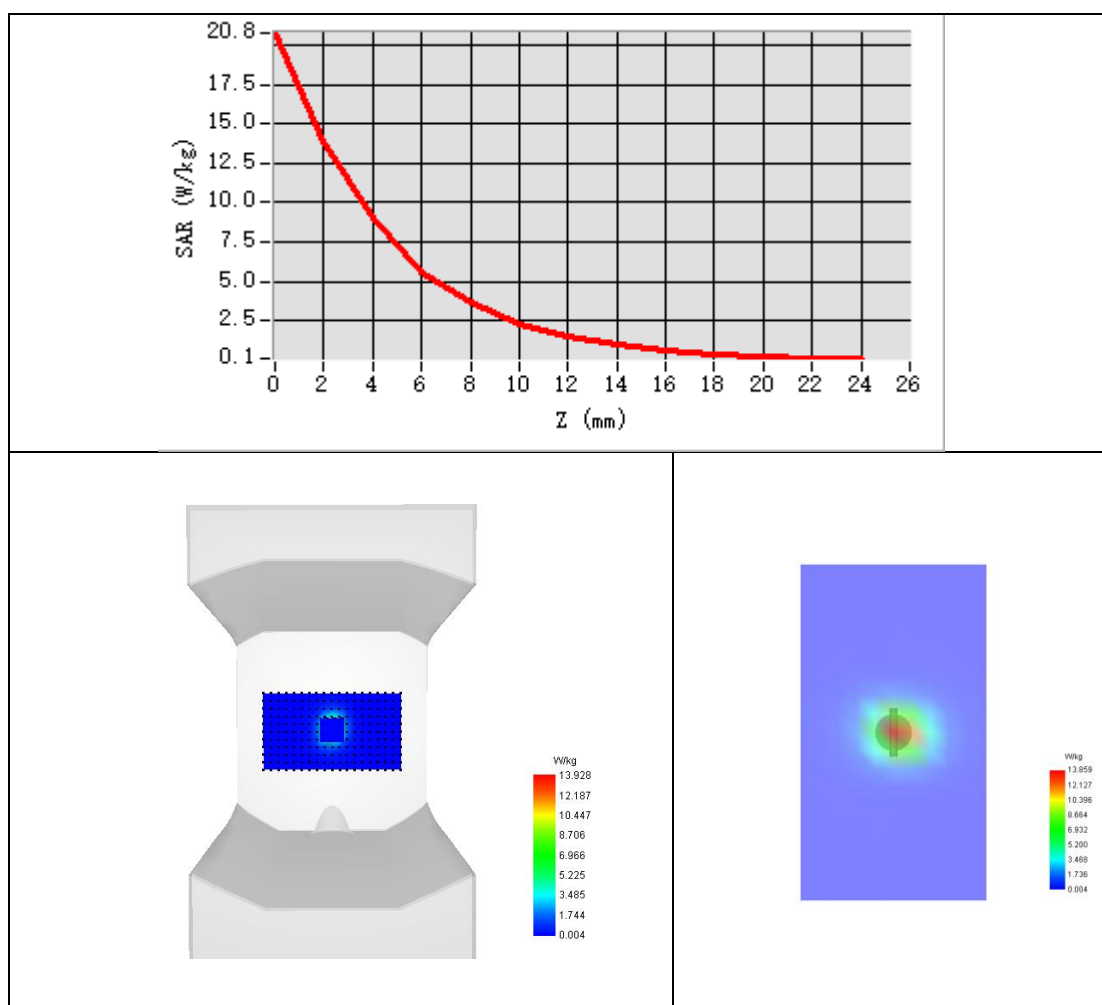


Maximum location: X=7.00, Y=6.00 ; SAR Peak: 21.79 W/kg

SAR 10g (W/Kg)	2.291
SAR 1g (W/Kg)	7.774



Z Axis Scan





System Performance Check Data (5400MHz)

Type: Phone measurement (Complete)

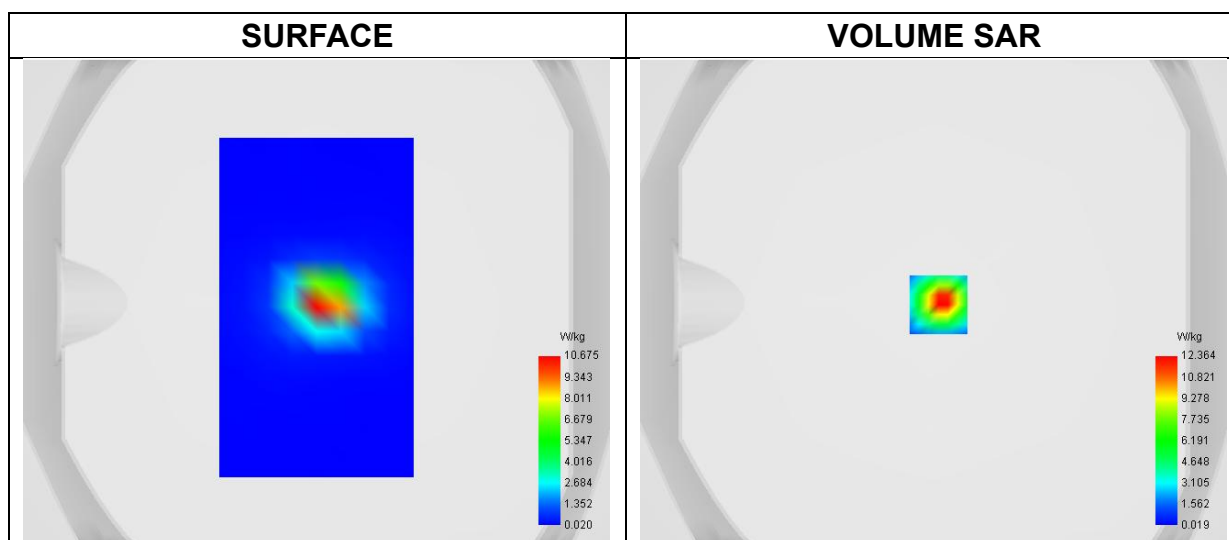
Area scan resolution: dx=8mm, dy=8mm

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

Date of measurement: 2026-08-09

Experimental conditions.

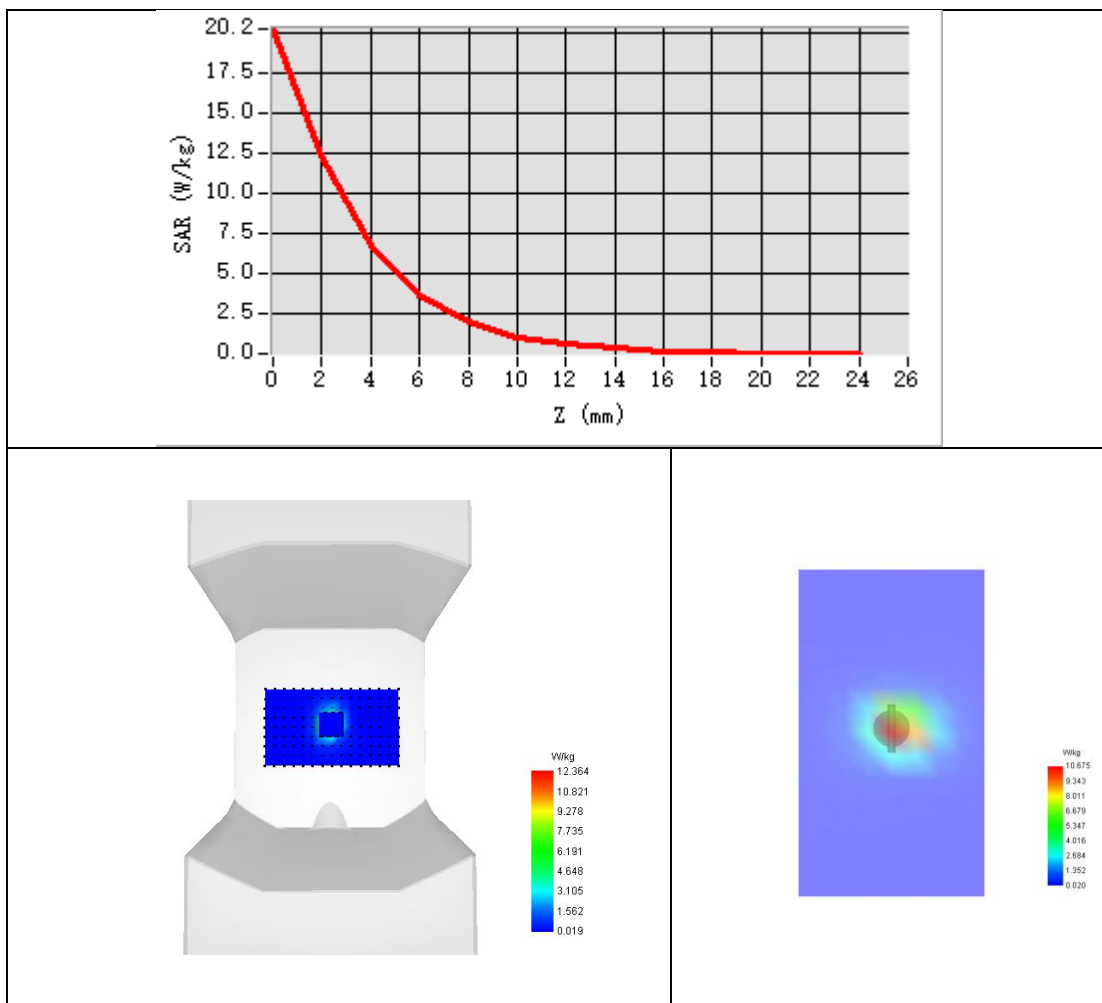
Phantom	Validation plane
Device Position	Dipole
Band	CW5400
Channels	Middle
Signal	CW
Frequency (MHz)	5400.000
Relative permittivity	36.18
Conductivity (S/m)	4.91
Probe	0326-EPGO-431
ConvF	1.16
Crest factor:	1:1



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

SAR 10g (W/Kg)	2.238
SAR 1g (W/Kg)	7.706

Z Axis Scan





System Performance Check Data (5800MHz)

Type: Phone measurement (Complete)

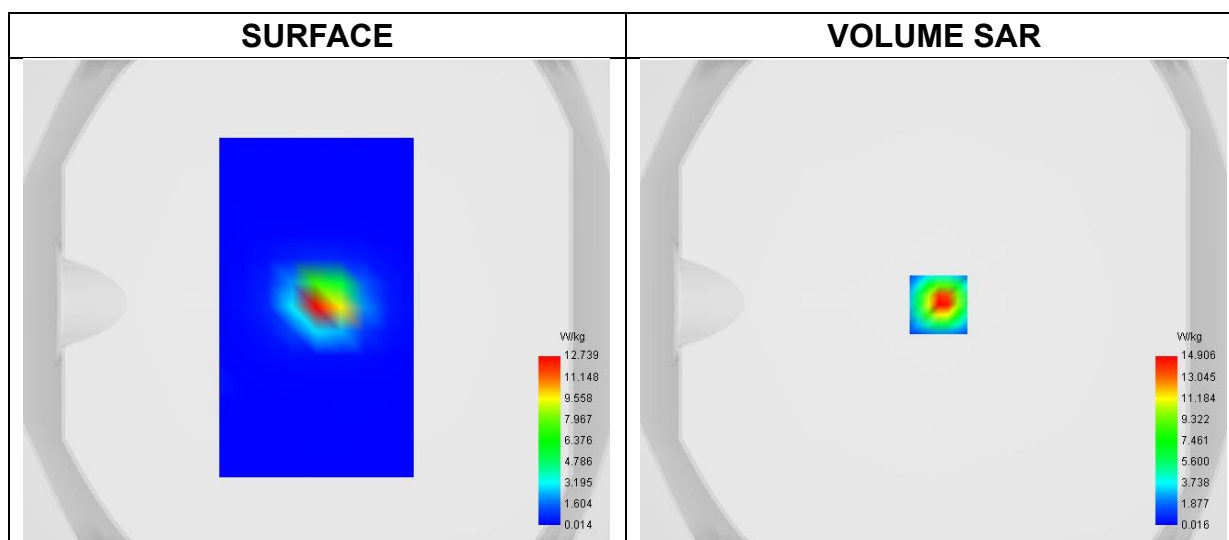
Area scan resolution: dx=8mm, dy=8mm

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

Date of measurement: 2026-08-11

Experimental conditions.

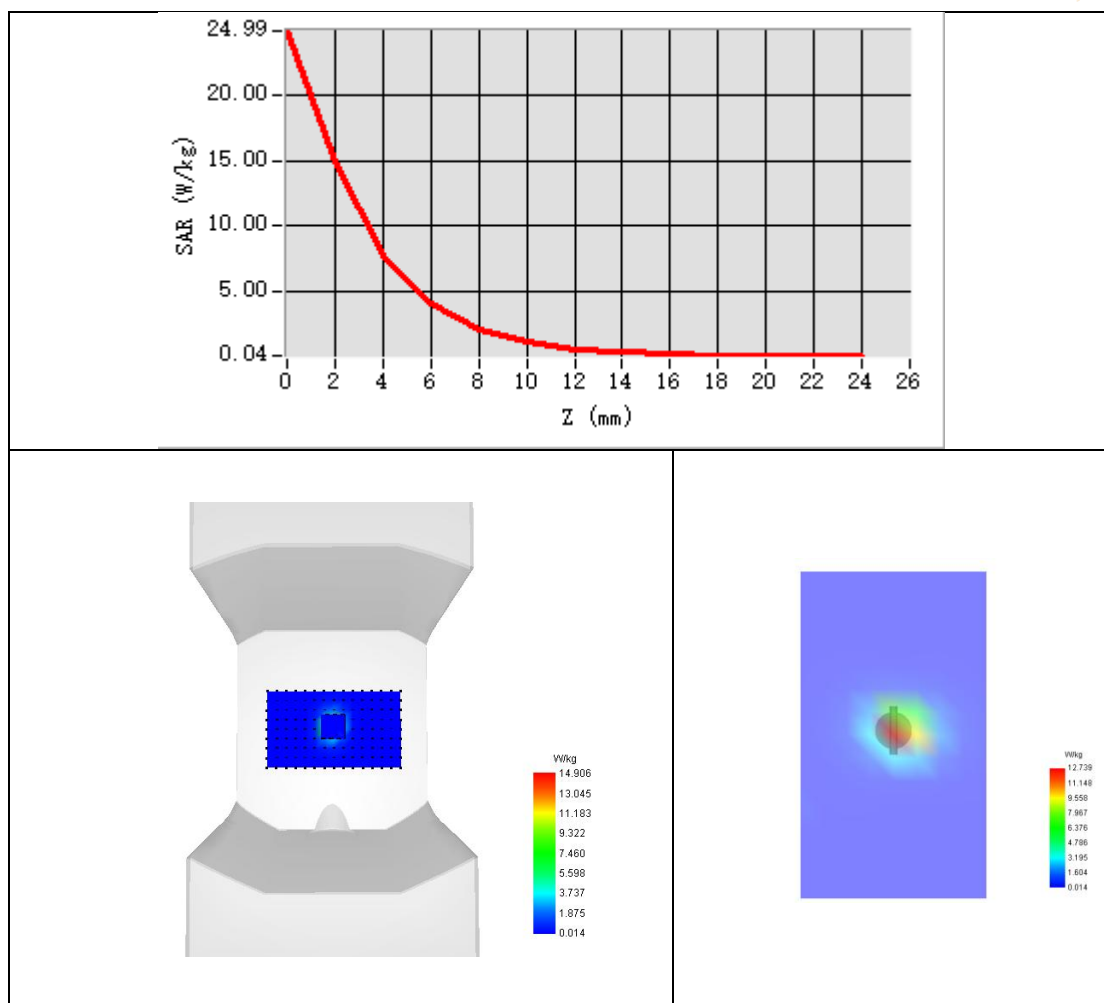
Phantom	Validation plane
Device Position	Dipole
Band	CW5800
Channels	Middle
Signal	CW
Frequency (MHz)	5800.000
Relative permittivity	35.55
Conductivity (S/m)	5.28
Probe	0326-EPGO-431
ConvF	1.19
Crest factor:	1:1



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

SAR 10g (W/Kg)	2.342
SAR 1g (W/Kg)	8.054

Z Axis Scan



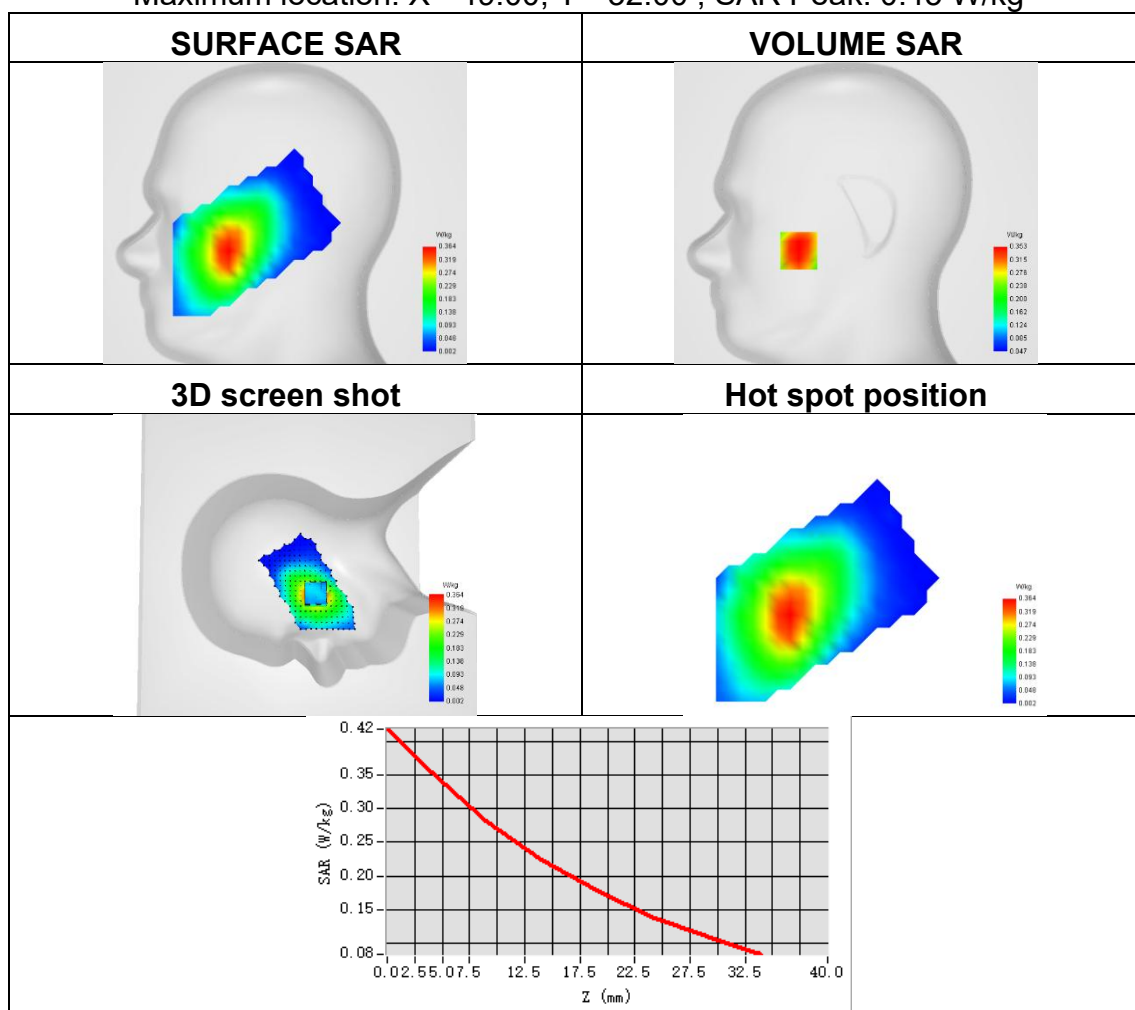


Appendix B. SAR Test Plots

Plot 1:

Test Date	2026-08-05
Area Scan	dx=8mm dy=8mm
Zoom Scan	5x5x7, dx=8mm dy=8mm dz=5mm
Phantom	Right head
Device Position	Cheek
Band	GSM850
Signal	TDMA (GSM)
Frequency	848.8
SAR 10g (W/Kg)	0.256
SAR 1g (W/Kg)	0.348
ConvF	0.69
Relative permittivity	42.28
Conductivity (S/m)	0.93

Maximum location: X=-49.00, Y=-32.00 ; SAR Peak: 0.45 W/kg

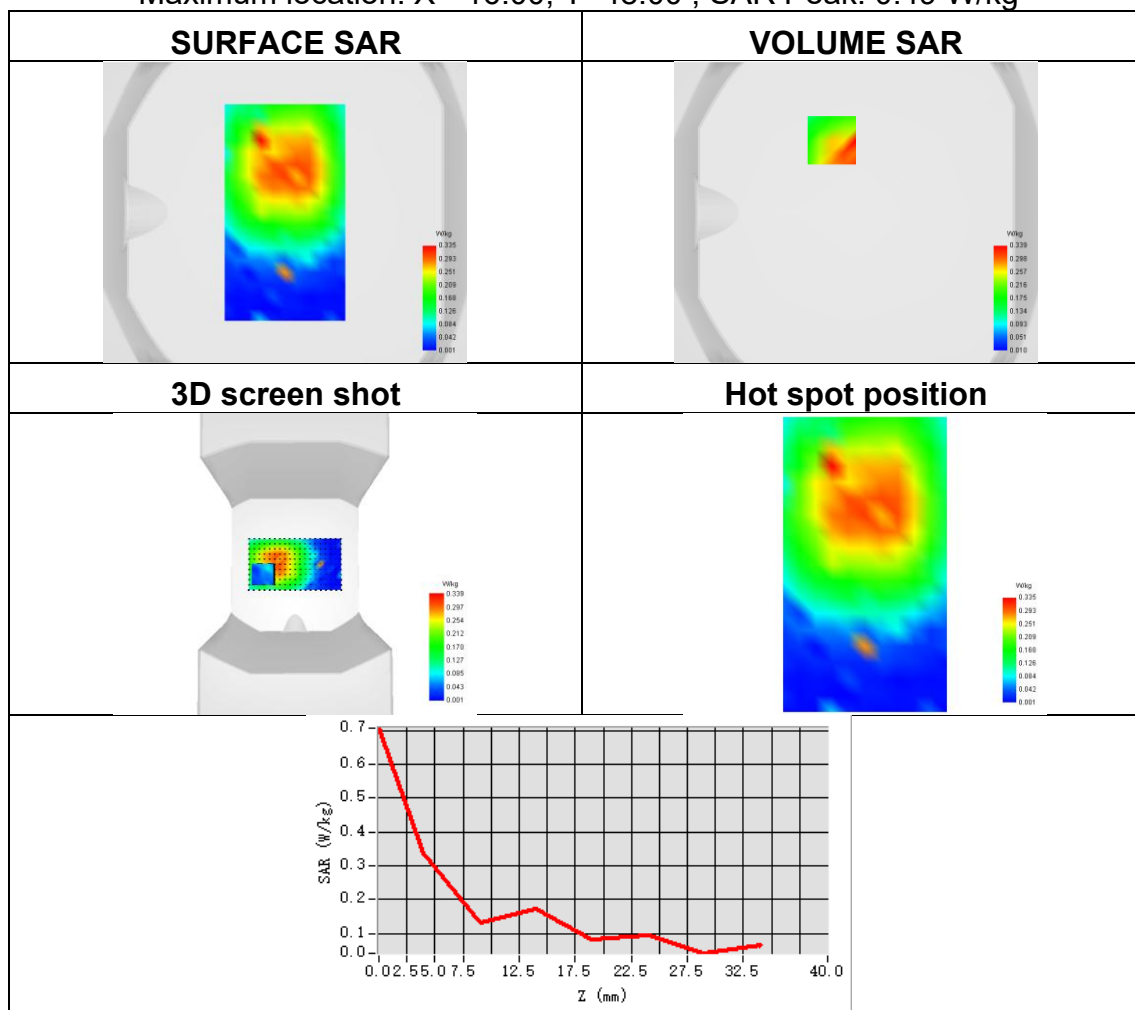




Plot 2:

Test Date	2026-08-05
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)	0.141
SAR 1g (W/Kg)	0.306
ConvF	0.69
Relative permittivity	42.28
Conductivity (S/m)	0.93

Maximum location: X=-16.00, Y=48.00 ; SAR Peak: 0.49 W/kg

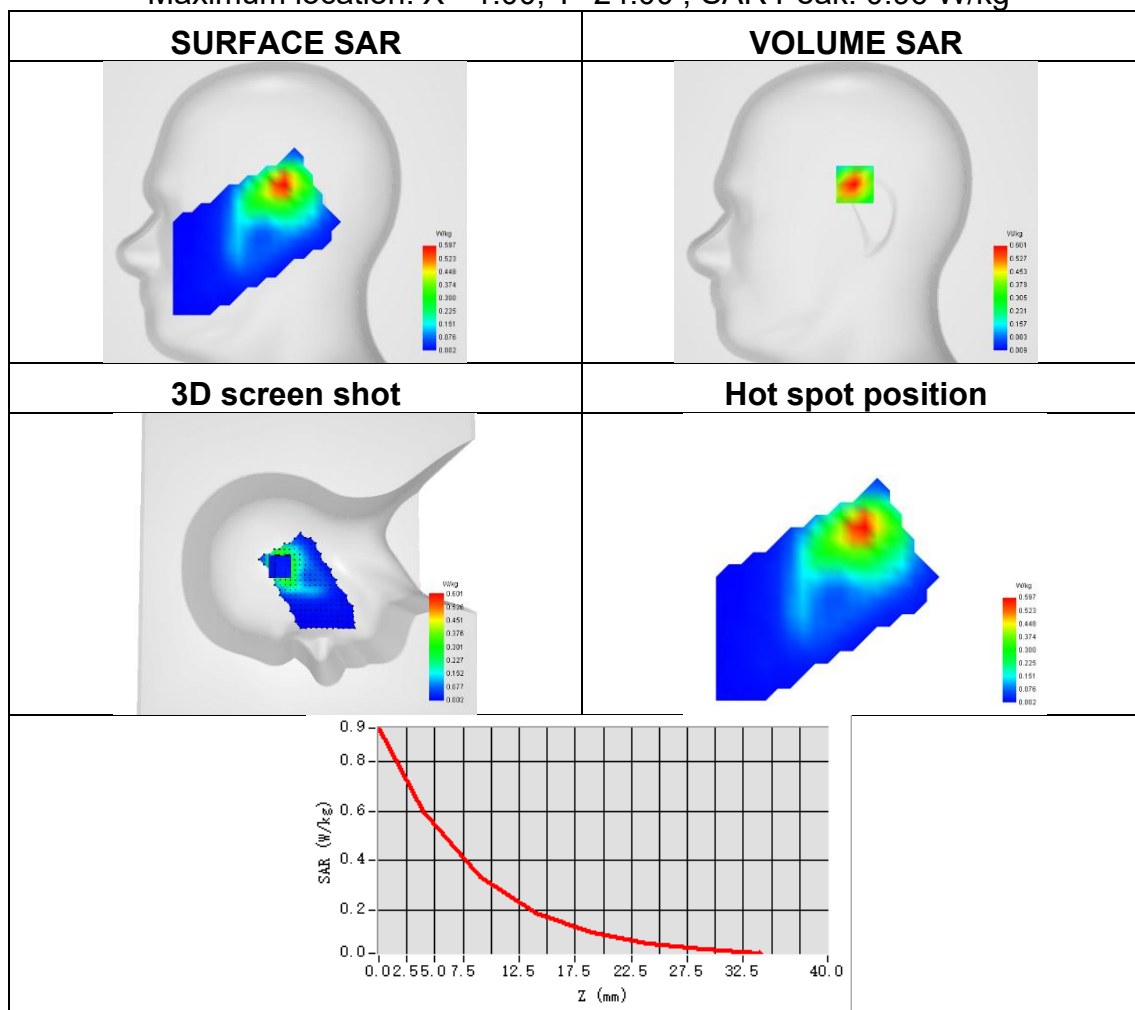




Plot 3:

Test Date	2026-08-08
Area Scan	dx=8mm dy=8mm
Zoom Scan	5x5x7, dx=8mm dy=8mm dz=5mm
Phantom	Right head
Device Position	Cheek
Band	GSM1900
Signal	TDMA (GSM)
Frequency	1880
SAR 10g (W/Kg)	0.301
SAR 1g (W/Kg)	0.566
ConvF	0.90
Relative permittivity	40.55
Conductivity (S/m)	1.37

Maximum location: X=-1.00, Y=24.00 ; SAR Peak: 0.96 W/kg

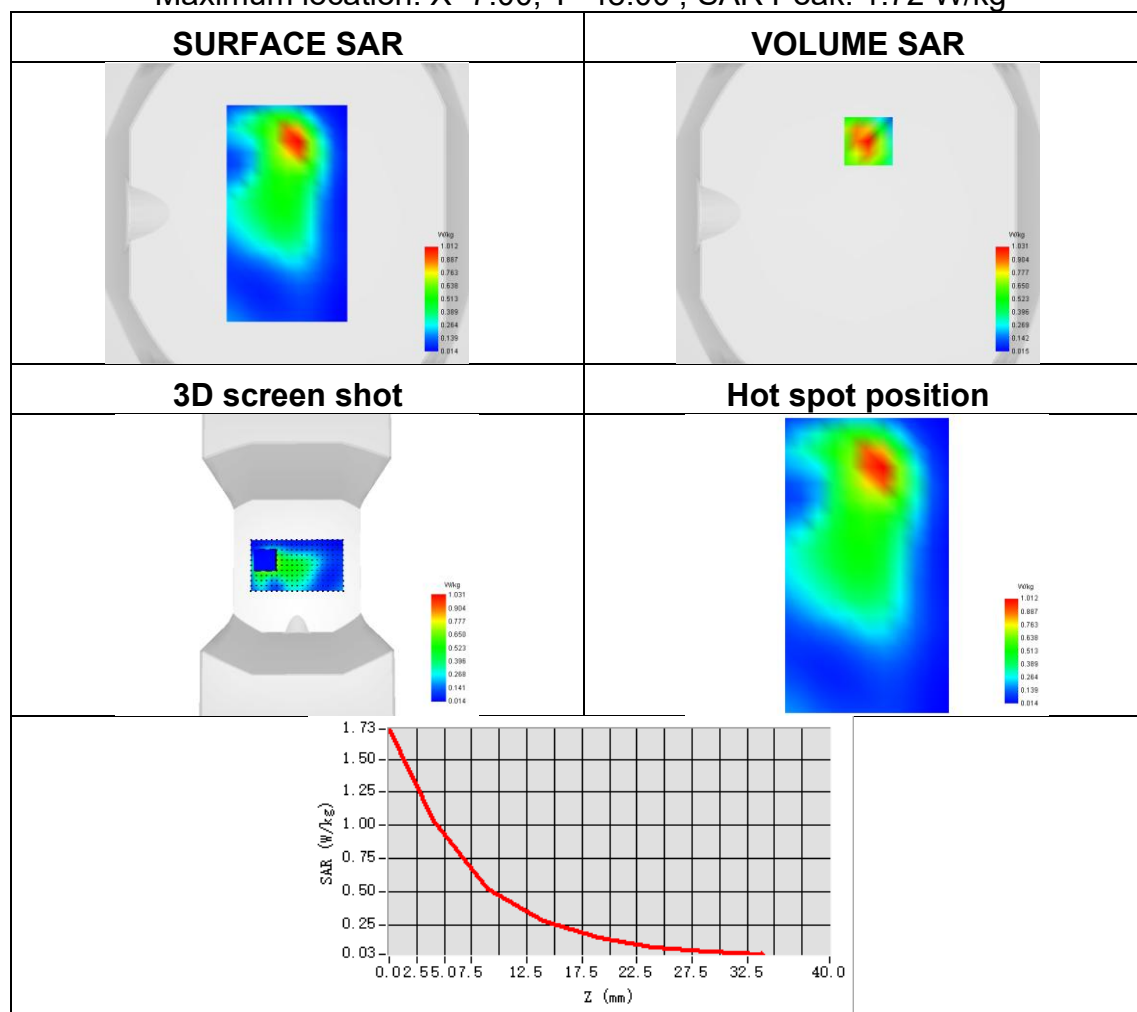




Plot 4:

Test Date	2026-08-08
Area Scan	dx=8mm dy=8mm
Zoom Scan	5x5x7, dx=8mm dy=8mm dz=5mm
Phantom	Validation plane
Device Position	Back Side
Band	GPRS1900
Signal	TDMA (GPRS)
Frequency	1850.2
SAR 10g (W/Kg)	0.479
SAR 1g (W/Kg)	0.965
ConvF	0.90
Relative permittivity	40.55
Conductivity (S/m)	1.37

Maximum location: X=7.00, Y=48.00 ; SAR Peak: 1.72 W/kg

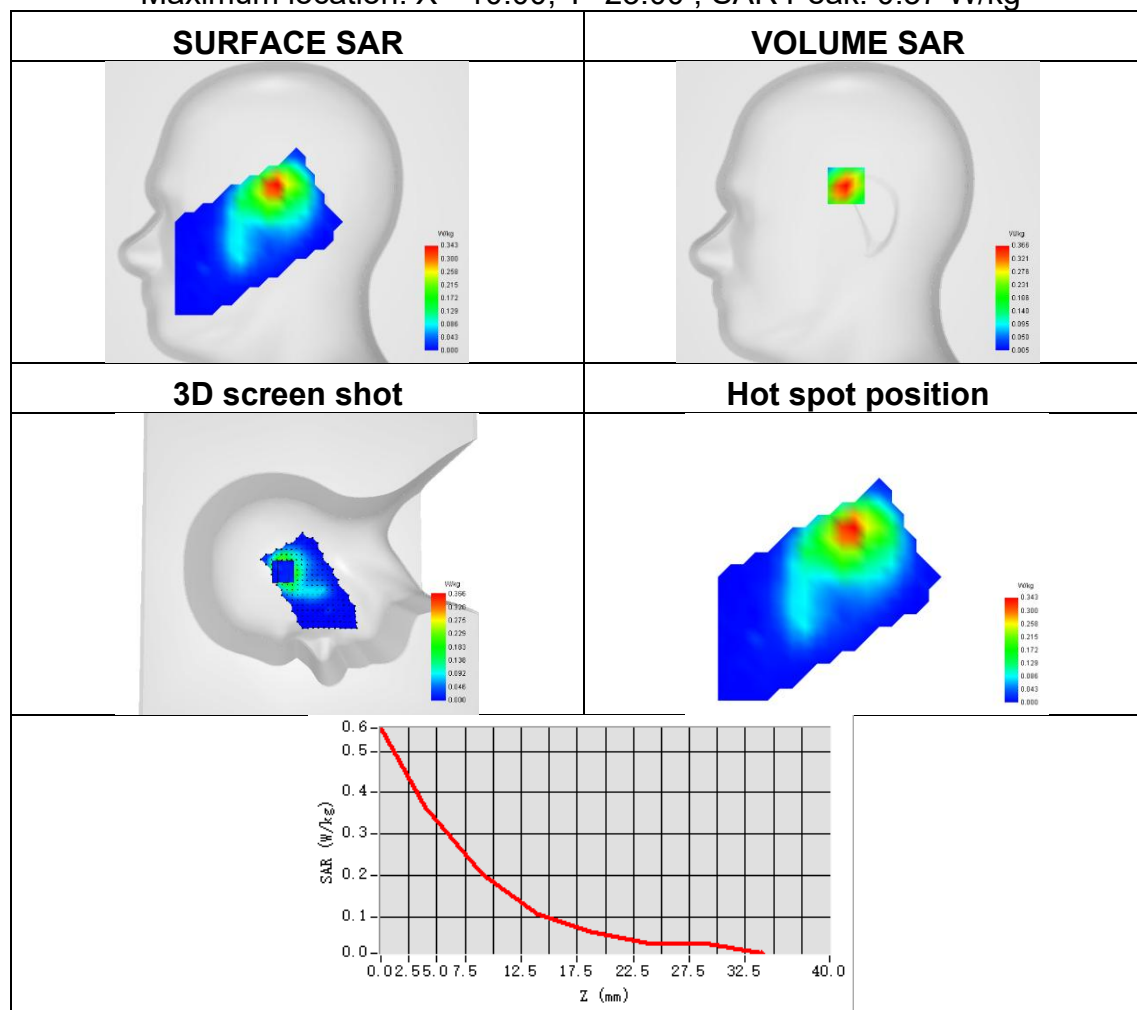




Plot 5:

Test Date	2026-08-08
Area Scan	dx=8mm dy=8mm
Zoom Scan	5x5x7,dx=8mm dy=8mm dz=5mm
Phantom	Right head
Device Position	Cheek
Band	Band 2 (1900)
Signal	WCDMA
Frequency	1852.4
SAR 10g (W/Kg)	0.179
SAR 1g (W/Kg)	0.341
ConvF	0.90
Relative permittivity	40.55
Conductivity (S/m)	1.37

Maximum location: X=-10.00, Y=23.00 ; SAR Peak: 0.57 W/kg

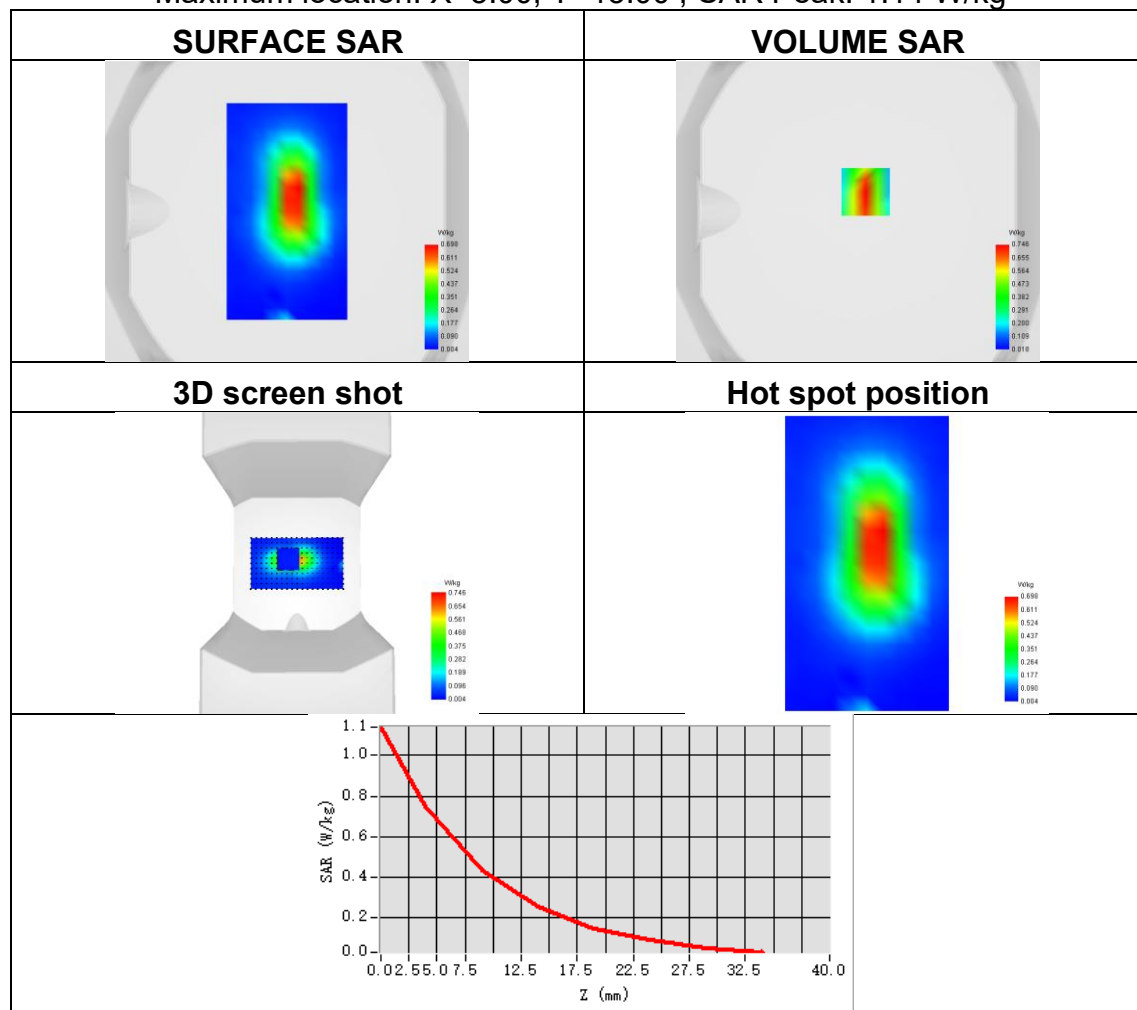




Plot 6:

Test Date	2026-08-08
Area Scan	dx=8mm dy=8mm
Zoom Scan	5x5x7, dx=8mm dy=8mm dz=5mm
Phantom	Validation plane
Device Position	Top Side
Band	Band 2 (1900)
Signal	WCDMA
Frequency	1852.4
SAR 10g (W/Kg)	0.354
SAR 1g (W/Kg)	0.688
ConvF	0.90
Relative permittivity	40.55
Conductivity (S/m)	1.37

Maximum location: X=5.00, Y=13.00 ; SAR Peak: 1.14 W/kg

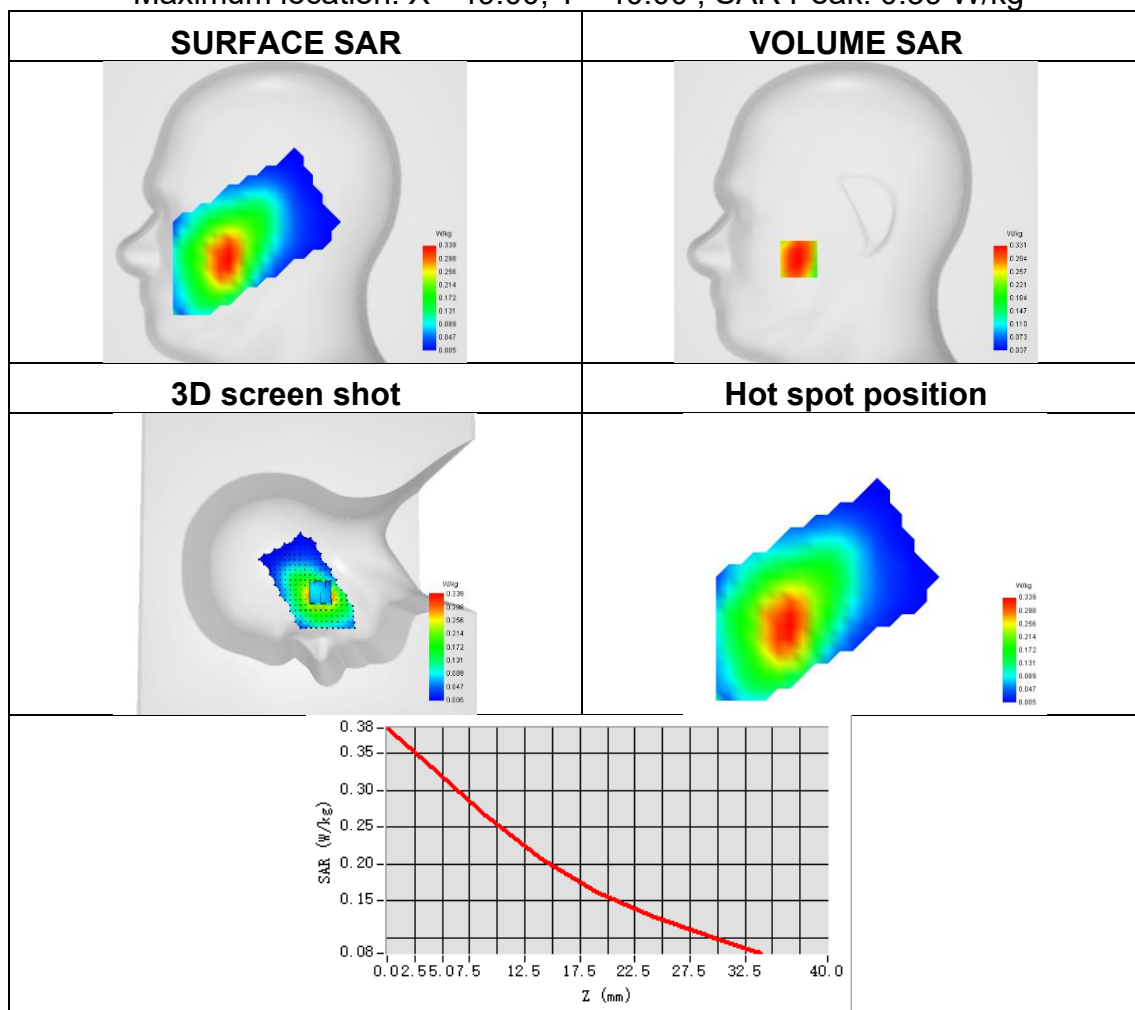




Plot 7:

Test Date	2026-08-05
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	836.4
SAR 10g (W/Kg)	0.239
SAR 1g (W/Kg)	0.317
ConvF	0.69
Relative permittivity	42.28
Conductivity (S/m)	0.93

Maximum location: X=-49.00, Y=-40.00 ; SAR Peak: 0.39 W/kg

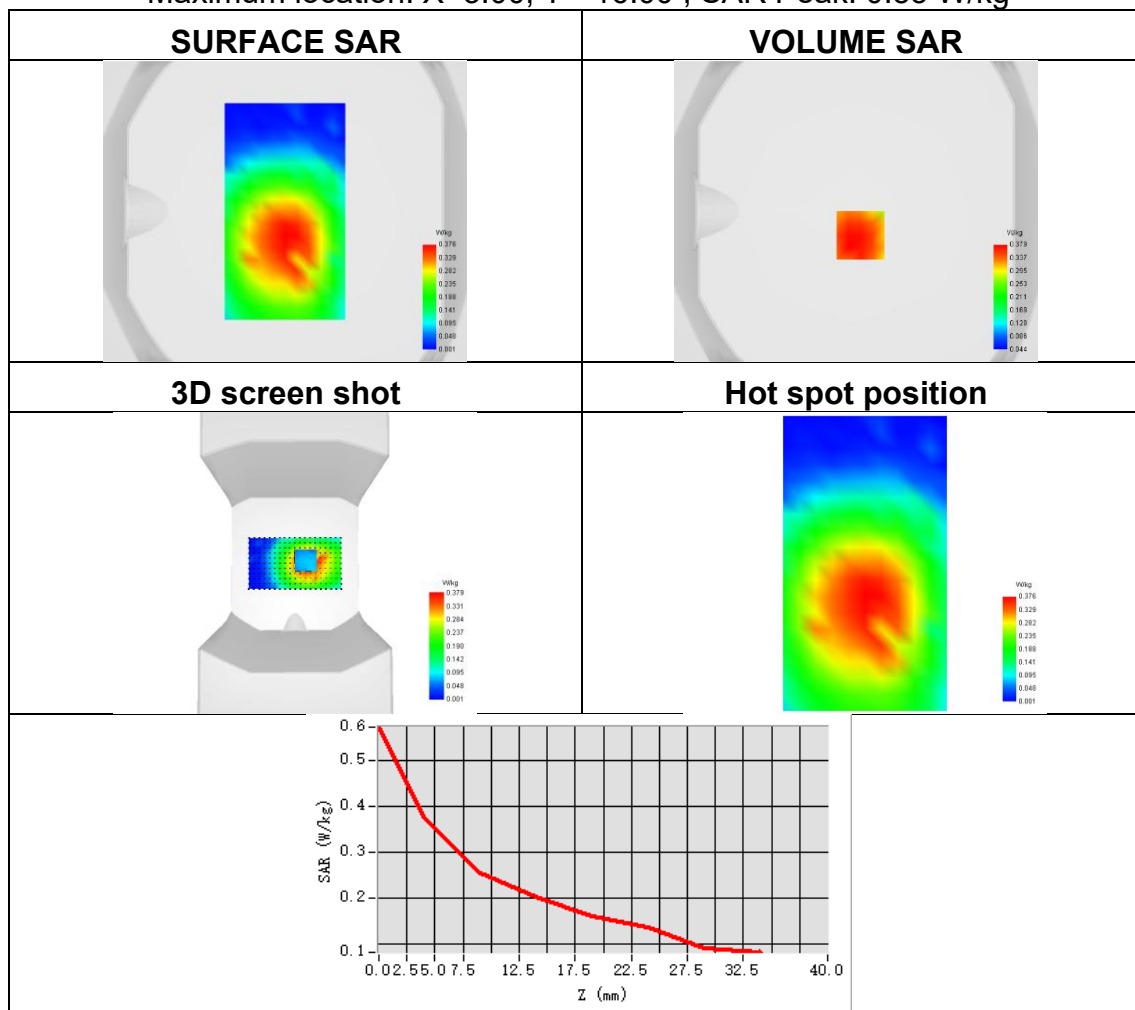




Plot 8:

Test Date	2026-08-05
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	836.4
SAR 10g (W/Kg)	0.267
SAR 1g (W/Kg)	0.376
ConvF	0.69
Relative permittivity	42.28
Conductivity (S/m)	0.93

Maximum location: X=3.00, Y=-16.00 ; SAR Peak: 0.53 W/kg

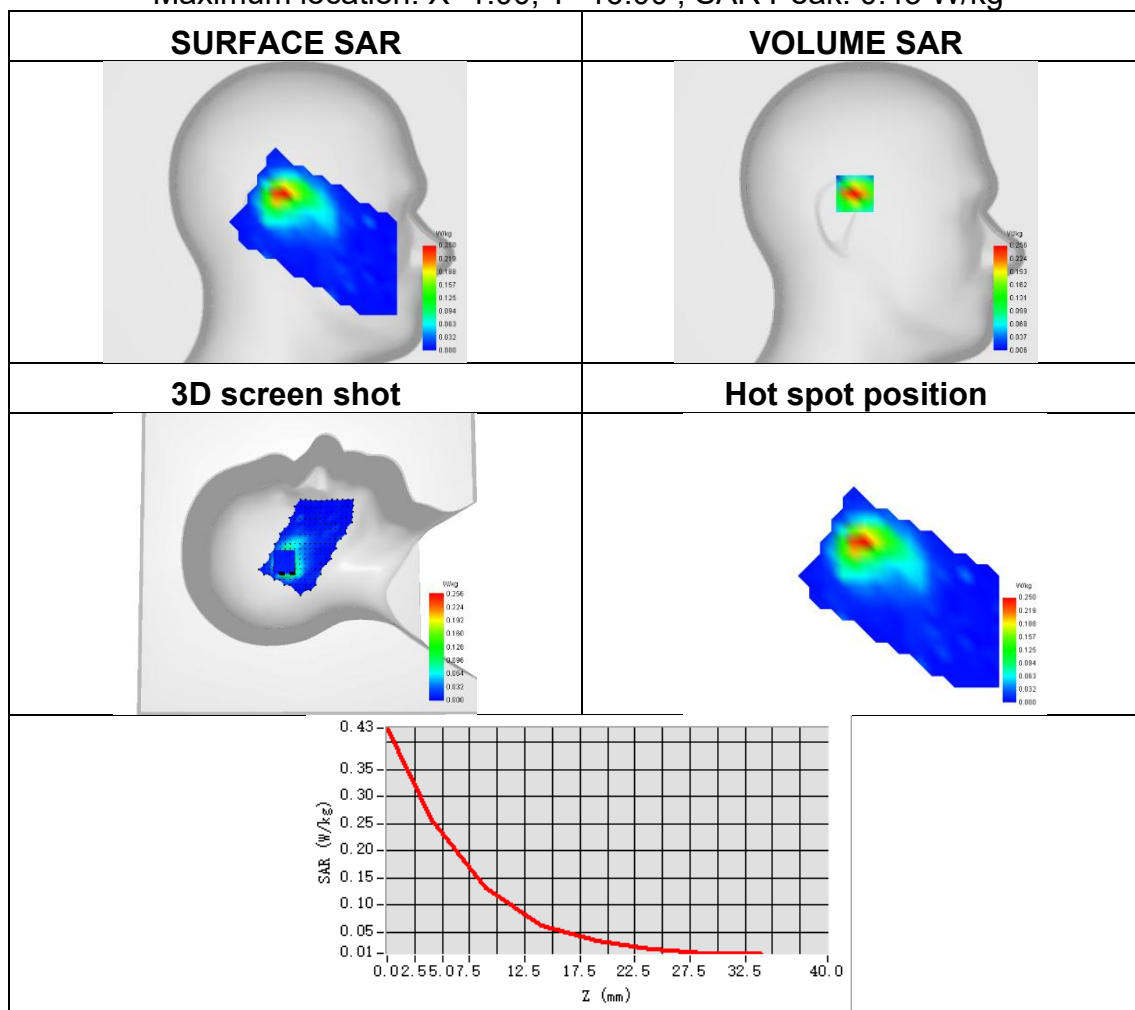




Plot 9:

Test Date	2026-08-07
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)	0.107
SAR 1g (W/Kg)	0.237
ConvF	1.03
Relative permittivity	39.73
Conductivity (S/m)	1.79

Maximum location: X=1.00, Y=16.00 ; SAR Peak: 0.43 W/kg

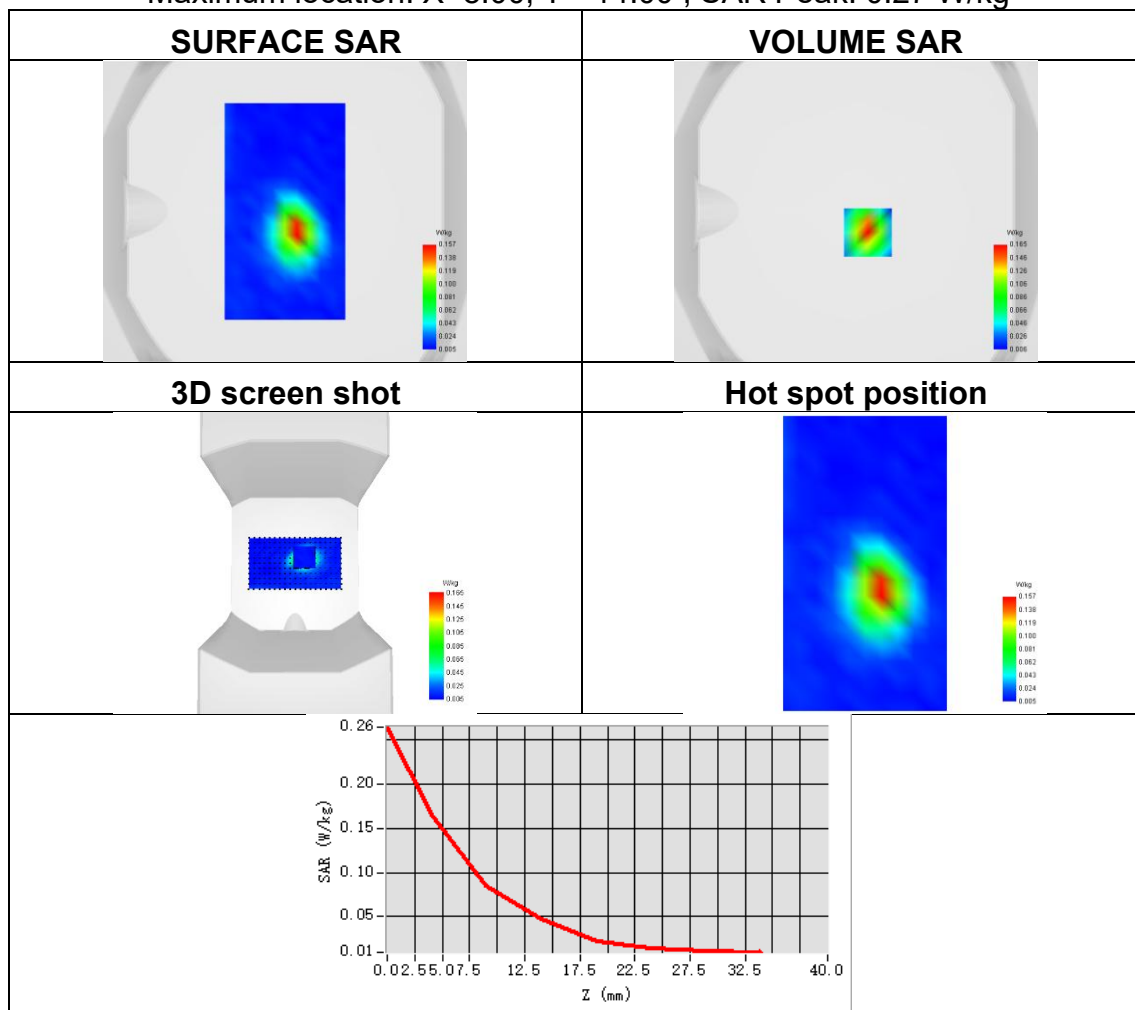




Plot 10:

Test Date	2026-08-07
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)	0.070
SAR 1g (W/Kg)	0.149
ConvF	1.03
Relative permittivity	39.73
Conductivity (S/m)	1.79

Maximum location: X=8.00, Y=-14.00 ; SAR Peak: 0.27 W/kg

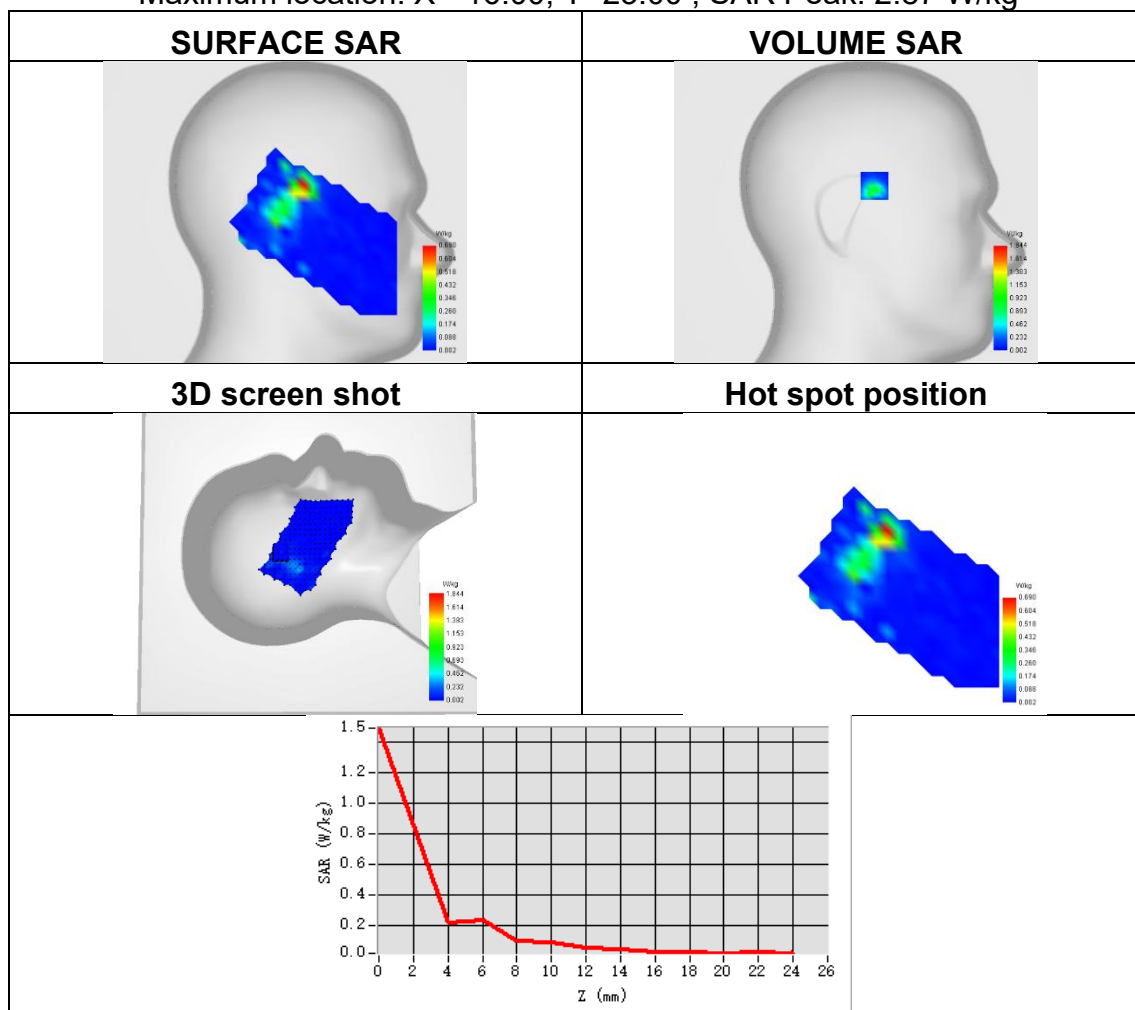




Plot 11:

Test Date	2026-08-09
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	5180
SAR 10g (W/Kg)	0.189
SAR 1g (W/Kg)	0.517
ConvF	1.08
Relative permittivity	36.38
Conductivity (S/m)	4.62

Maximum location: X=-16.00, Y=23.00 ; SAR Peak: 2.87 W/kg

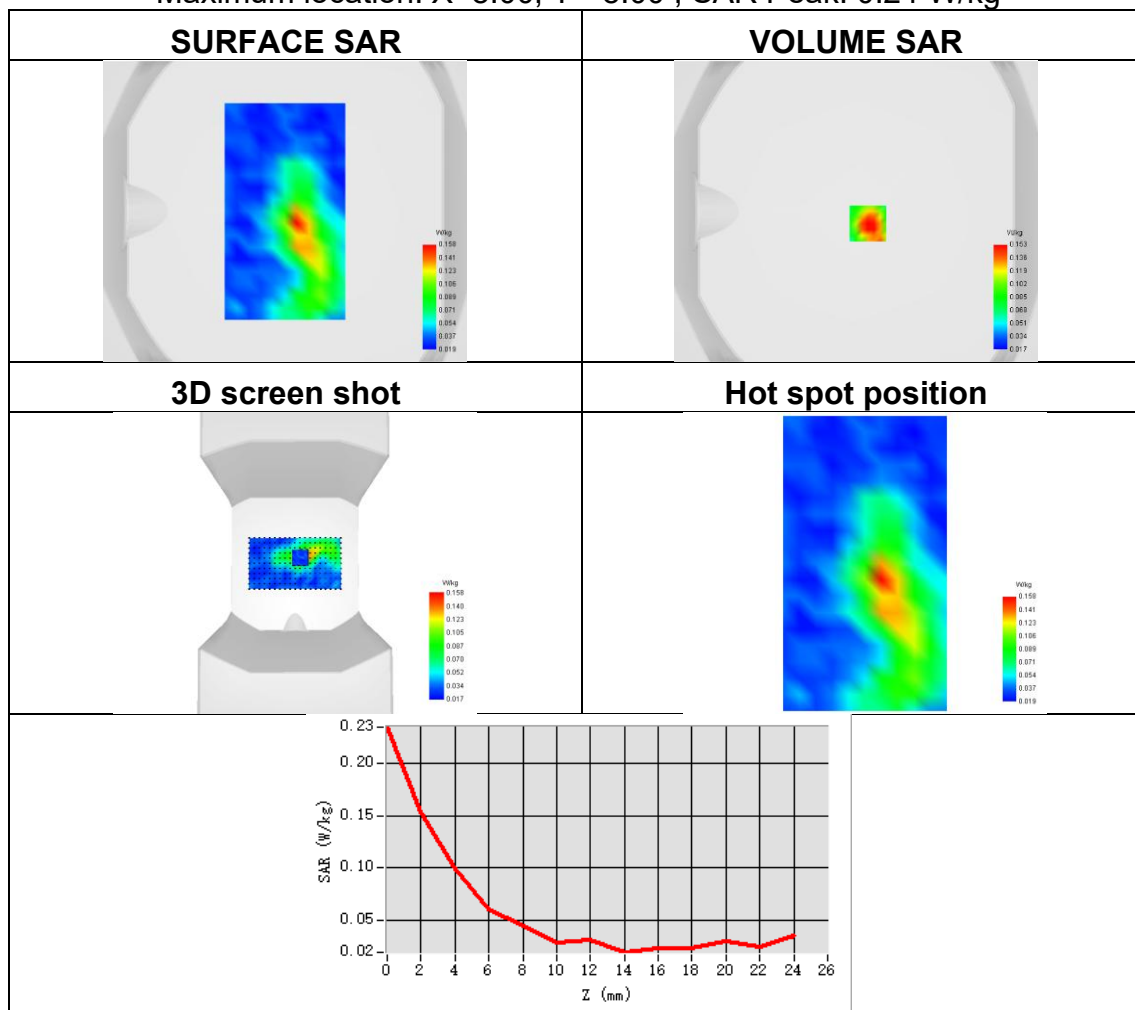




Plot 12:

Test Date	2026-08-09
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	5180
SAR 10g (W/Kg)	0.045
SAR 1g (W/Kg)	0.098
ConvF	1.08
Relative permittivity	36.38
Conductivity (S/m)	4.62

Maximum location: X=8.00, Y=-8.00 ; SAR Peak: 0.24 W/kg

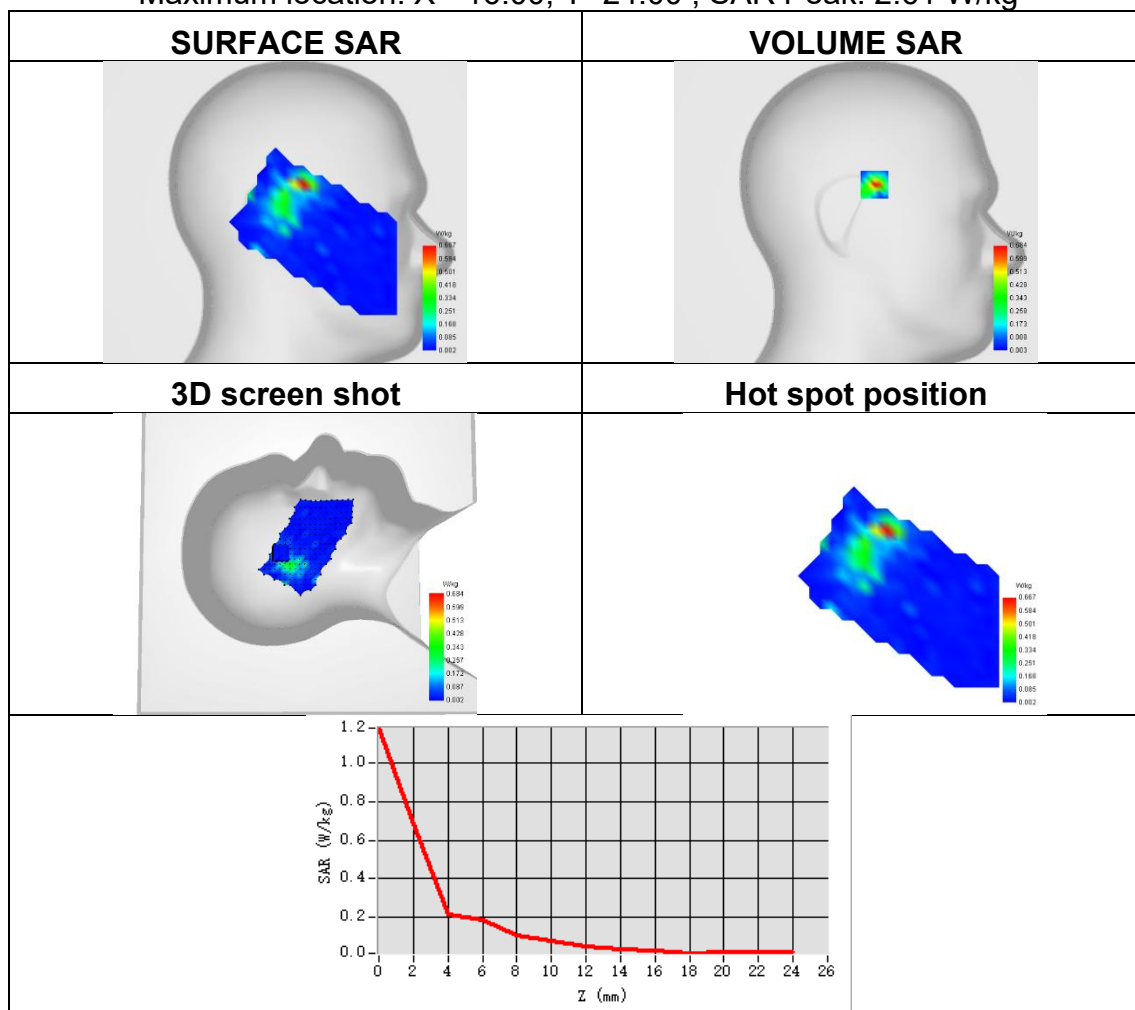




Plot 13:

Test Date	2026-08-09
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)	0.167
SAR 1g (W/Kg)	0.493
ConvF	1.16
Relative permittivity	36.18
Conductivity (S/m)	4.91

Maximum location: X=-16.00, Y=24.00 ; SAR Peak: 2.61 W/kg

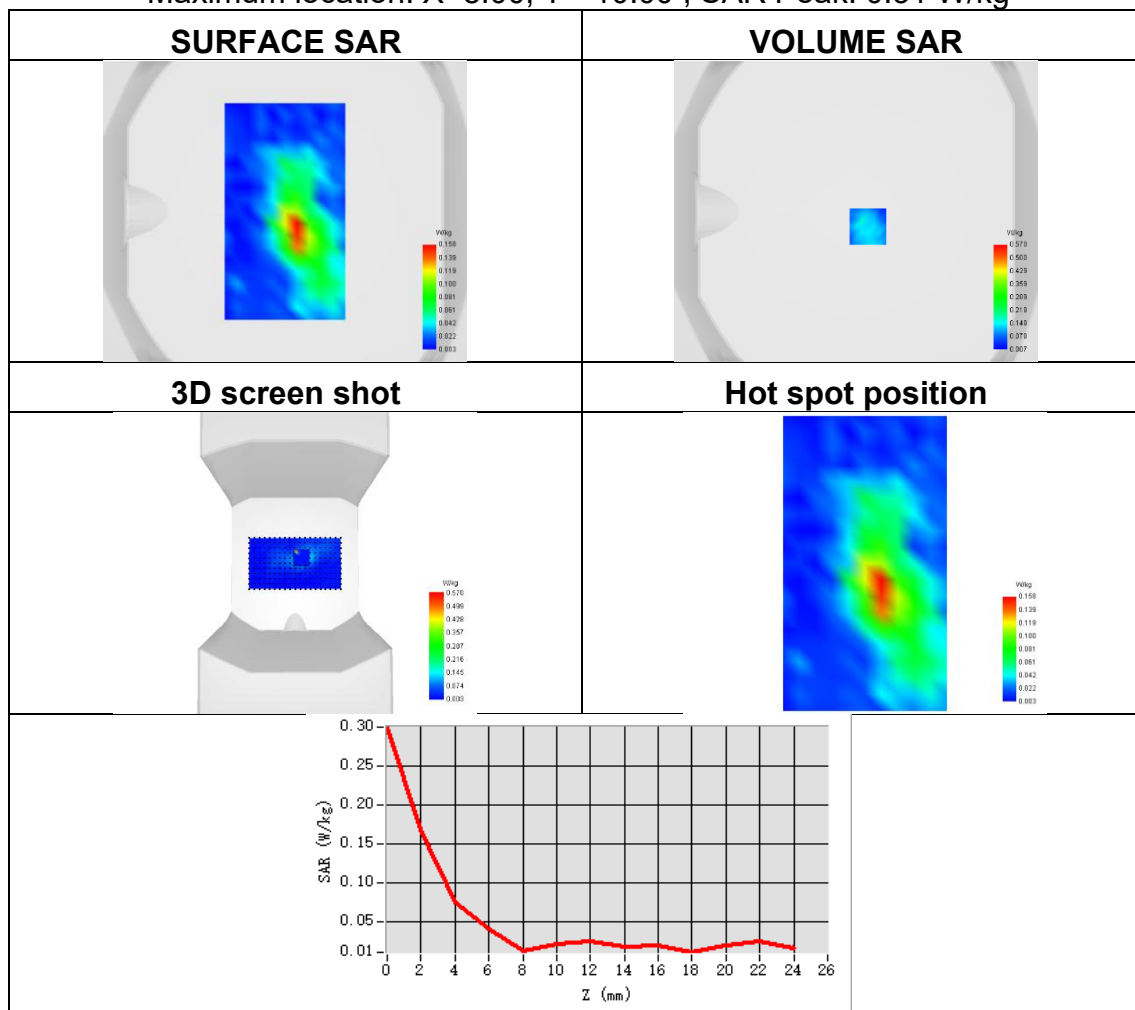




Plot 14:

Test Date	2026-08-09
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)	0.028
SAR 1g (W/Kg)	0.072
ConvF	1.16
Relative permittivity	36.18
Conductivity (S/m)	4.91

Maximum location: X=8.00, Y=-10.00 ; SAR Peak: 0.31 W/kg

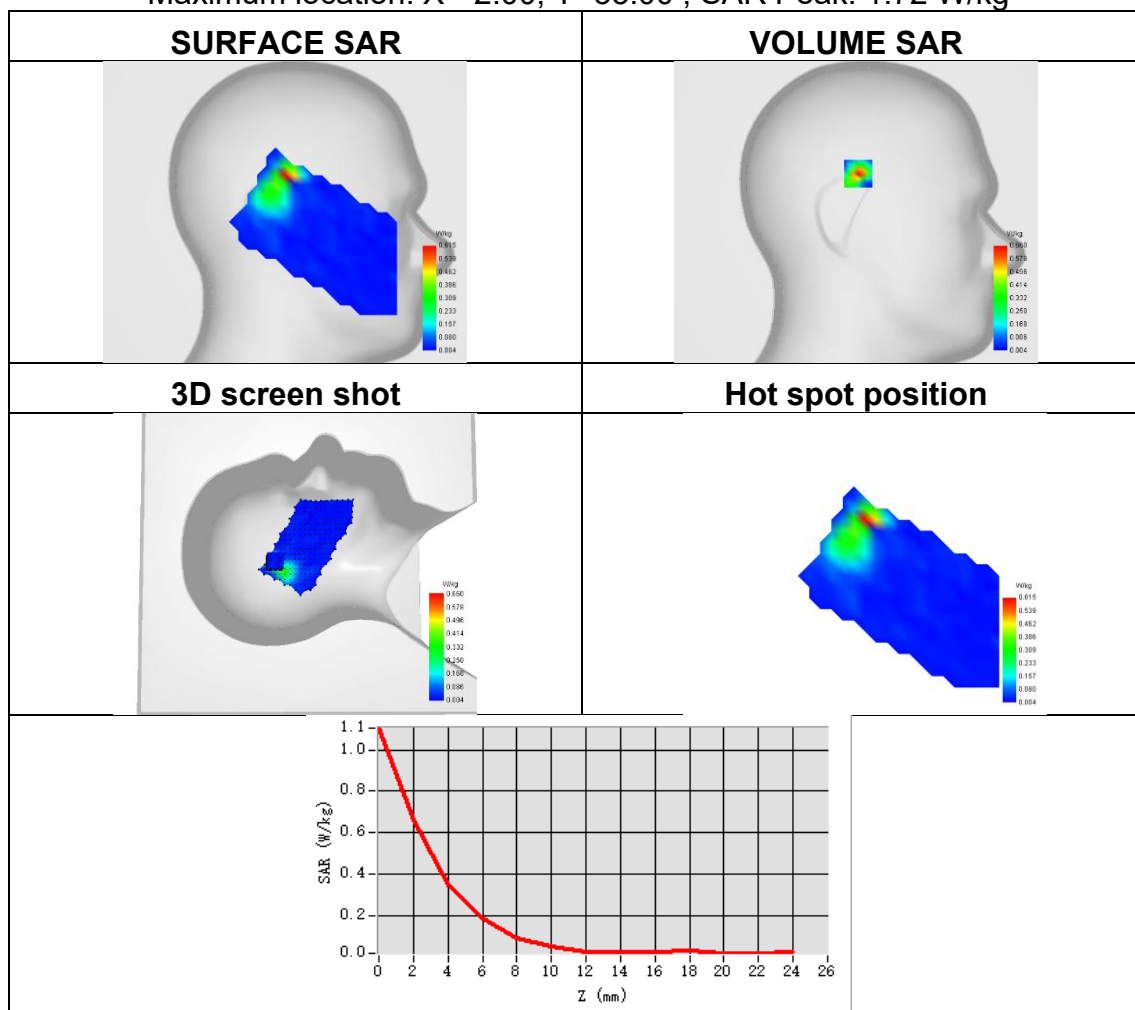




Plot 15:

Test Date	2026-08-11
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)	0.173
SAR 1g (W/Kg)	0.563
ConvF	1.19
Relative permittivity	35.55
Conductivity (S/m)	5.28

Maximum location: X=-2.00, Y=33.00 ; SAR Peak: 1.72 W/kg

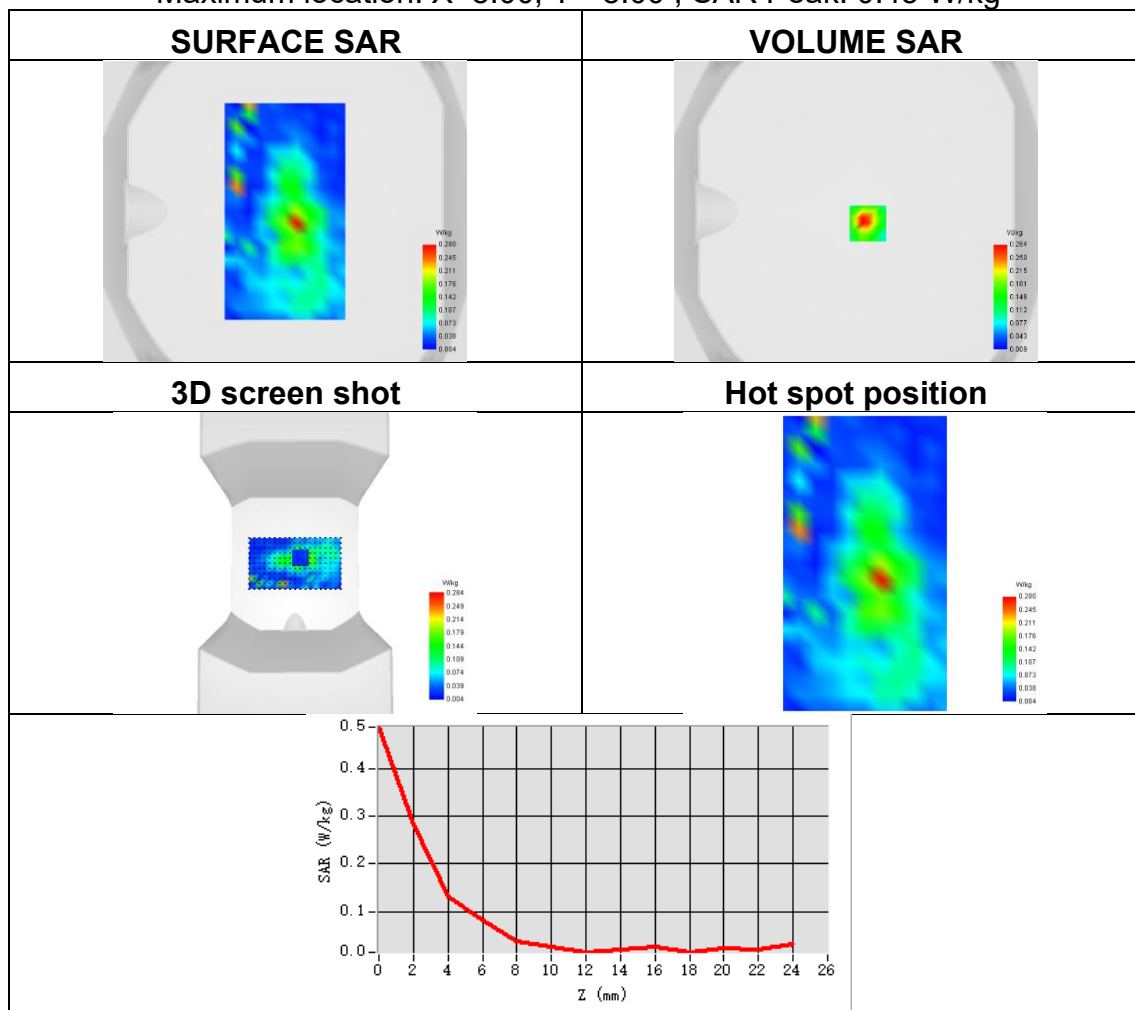




Plot 16:

Test Date	2026-08-11
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)	0.060
SAR 1g (W/Kg)	0.156
ConvF	1.19
Relative permittivity	35.55
Conductivity (S/m)	5.28

Maximum location: X=8.00, Y=-8.00 ; SAR Peak: 0.45 W/kg

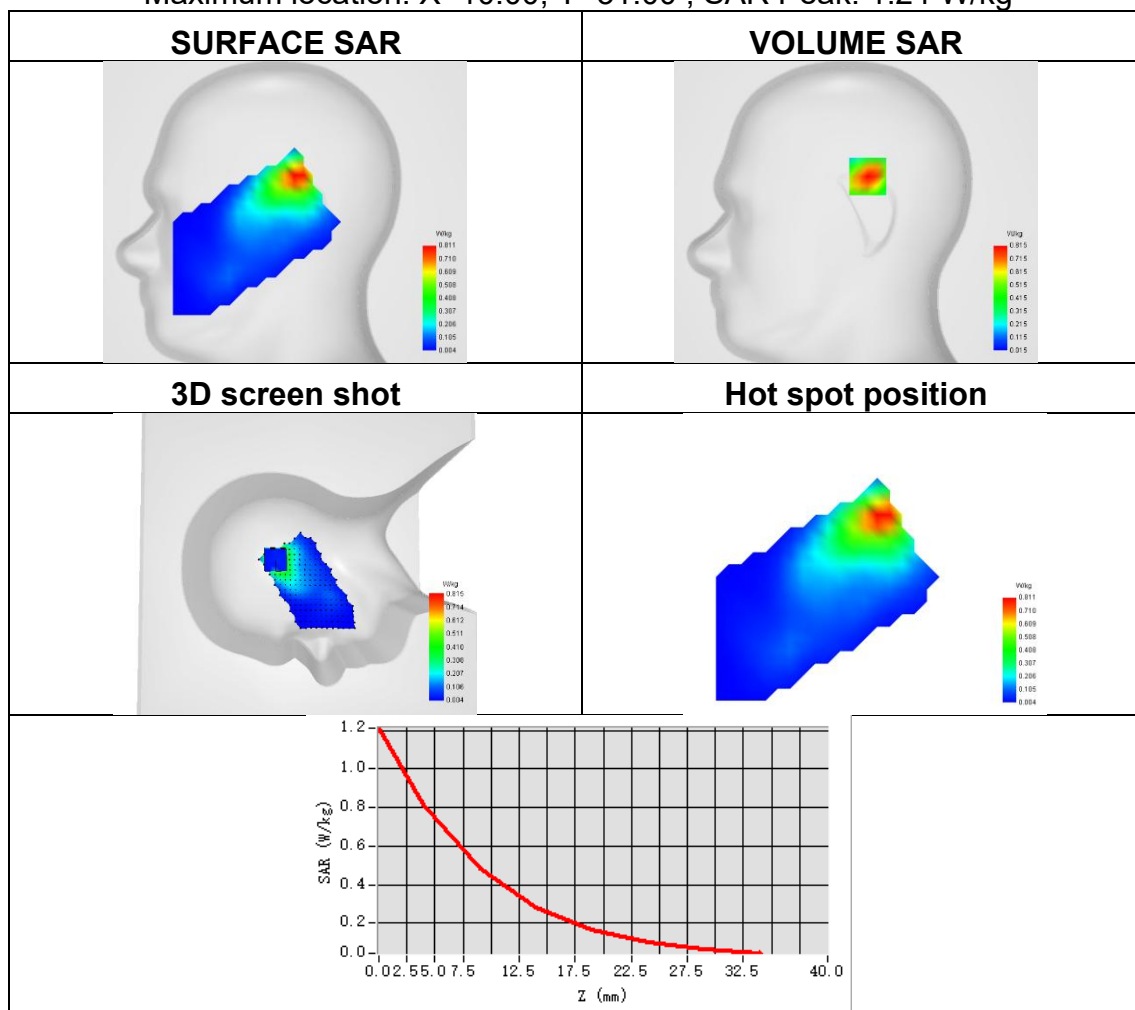




Plot 17:

Test Date	2026-08-08
Area Scan	dx=8mm dy=8mm
Zoom Scan	5x5x7, dx=8mm dy=8mm dz=5mm
Phantom	Right head
Device Position	Cheek
Band	LTE band 2
Signal	LTE FDD
Frequency	1880
SAR 10g (W/Kg)	0.421
SAR 1g (W/Kg)	0.770
ConvF	0.90
Relative permittivity	40.55
Conductivity (S/m)	1.37

Maximum location: X=10.00, Y=31.00 ; SAR Peak: 1.24 W/kg

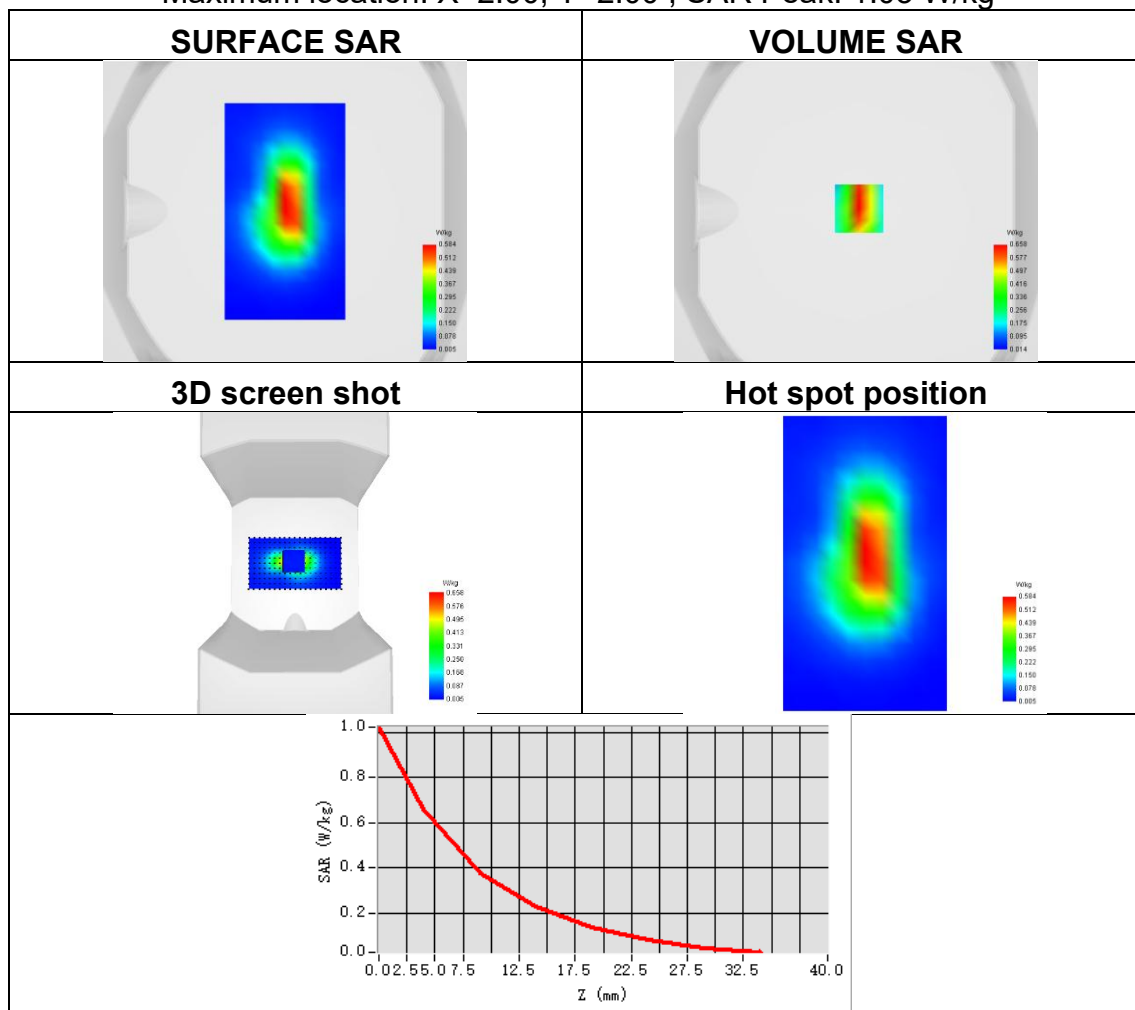




Plot 18:

Test Date	2026-08-08
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	1880
SAR 10g (W/Kg)	0.323
SAR 1g (W/Kg)	0.615
ConvF	0.90
Relative permittivity	40.55
Conductivity (S/m)	1.37

Maximum location: X=2.00, Y=2.00 ; SAR Peak: 1.03 W/kg

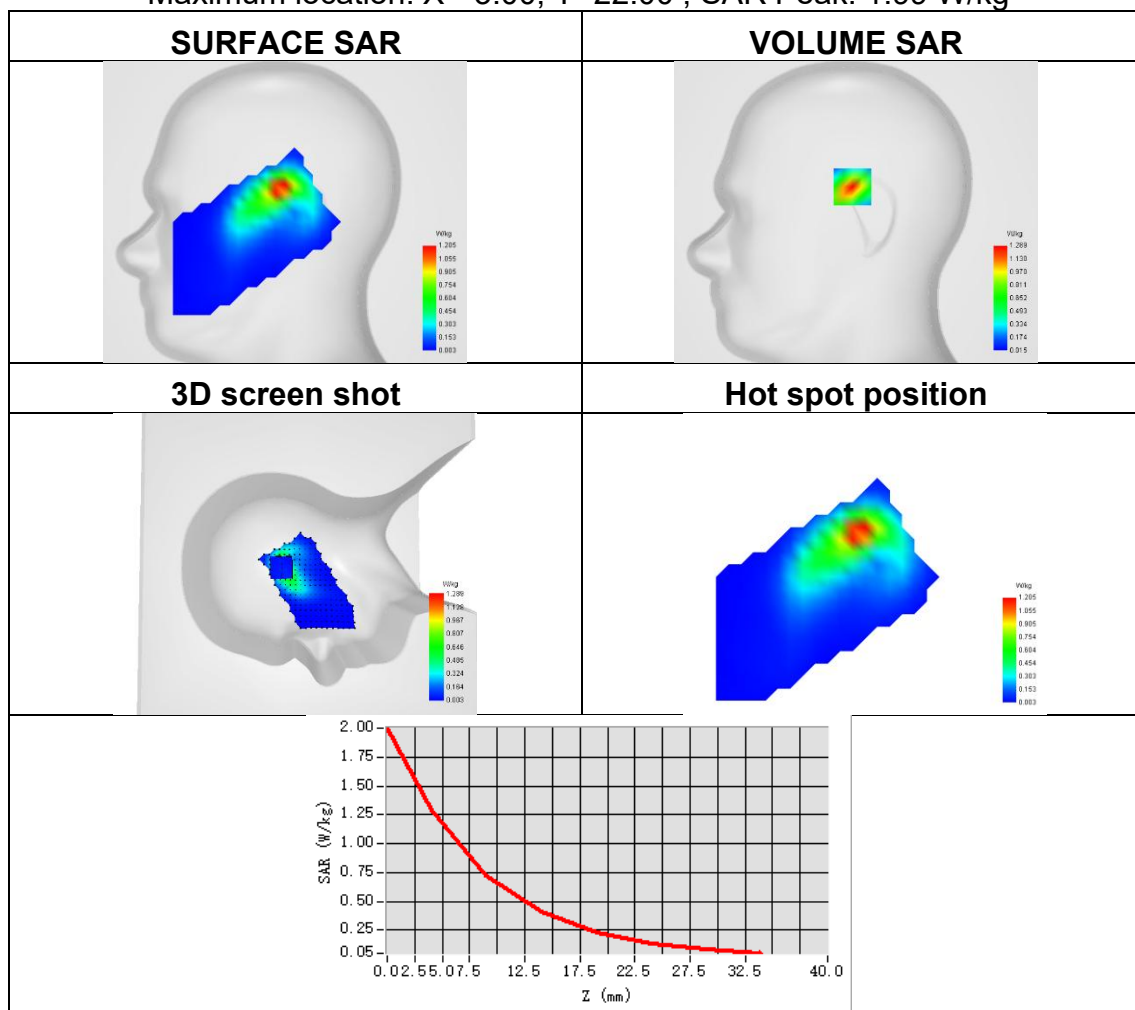




Plot 19:

Test Date	2026-08-04
Area Scan	dx=8mm dy=8mm
Zoom Scan	5x5x7, dx=8mm dy=8mm dz=5mm
Phantom	Right head
Device Position	Cheek
Band	LTE band 4
Signal	LTE FDD
Frequency	1720
SAR 10g (W/Kg)	0.569
SAR 1g (W/Kg)	0.984
ConvF	0.69
Relative permittivity	40.67
Conductivity (S/m)	1.39

Maximum location: X=-3.00, Y=22.00 ; SAR Peak: 1.99 W/kg

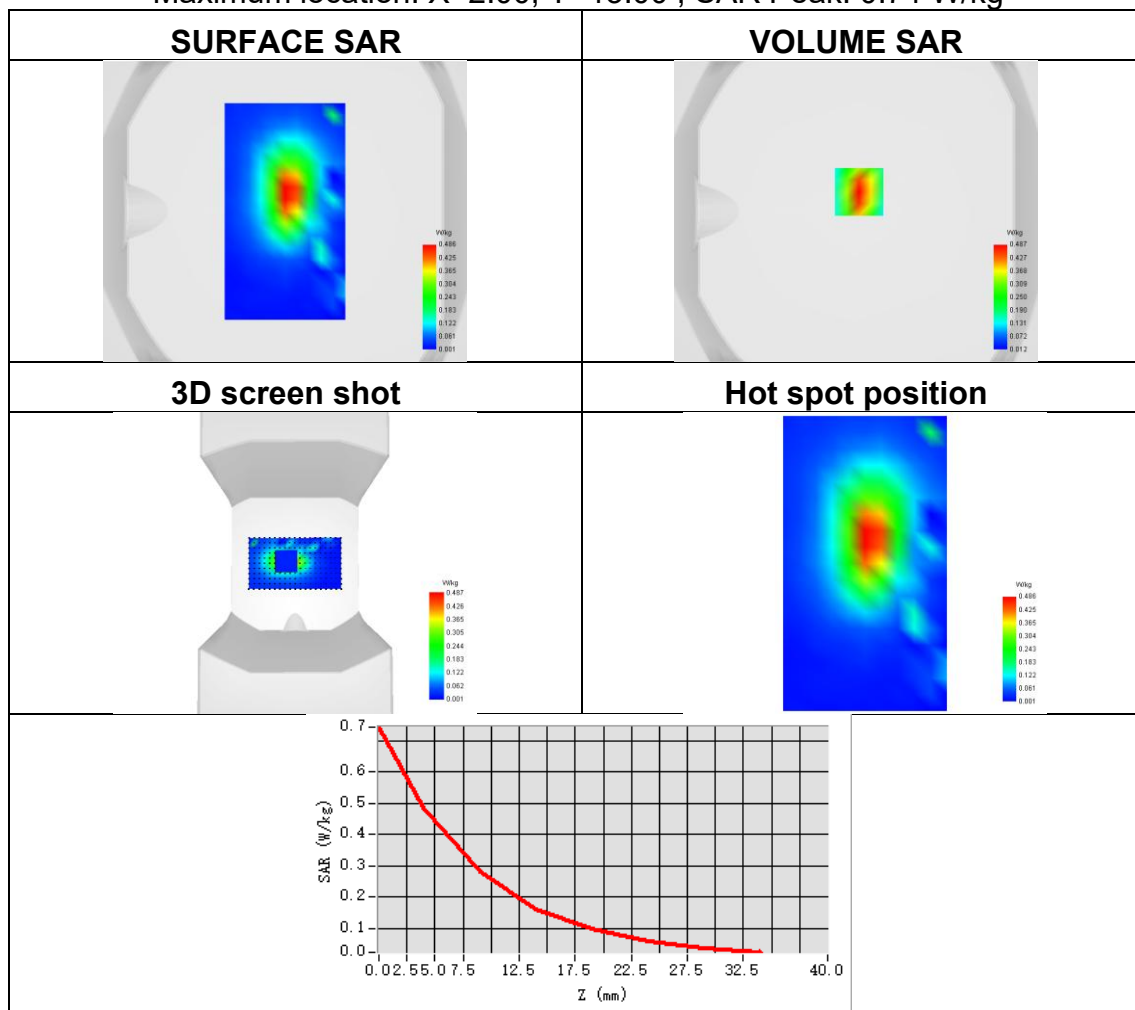




Plot 20:

Test Date	2026-08-04
Area Scan	dx=8mm dy=8mm
Zoom Scan	5x5x7, dx=8mm dy=8mm dz=5mm
Phantom	Validation plane
Device Position	Top Side
Band	LTE band 4
Signal	LTE FDD
Frequency	1720
SAR 10g (W/Kg)	0.242
SAR 1g (W/Kg)	0.452
ConvF	0.69
Relative permittivity	40.67
Conductivity (S/m)	1.39

Maximum location: X=2.00, Y=13.00 ; SAR Peak: 0.74 W/kg

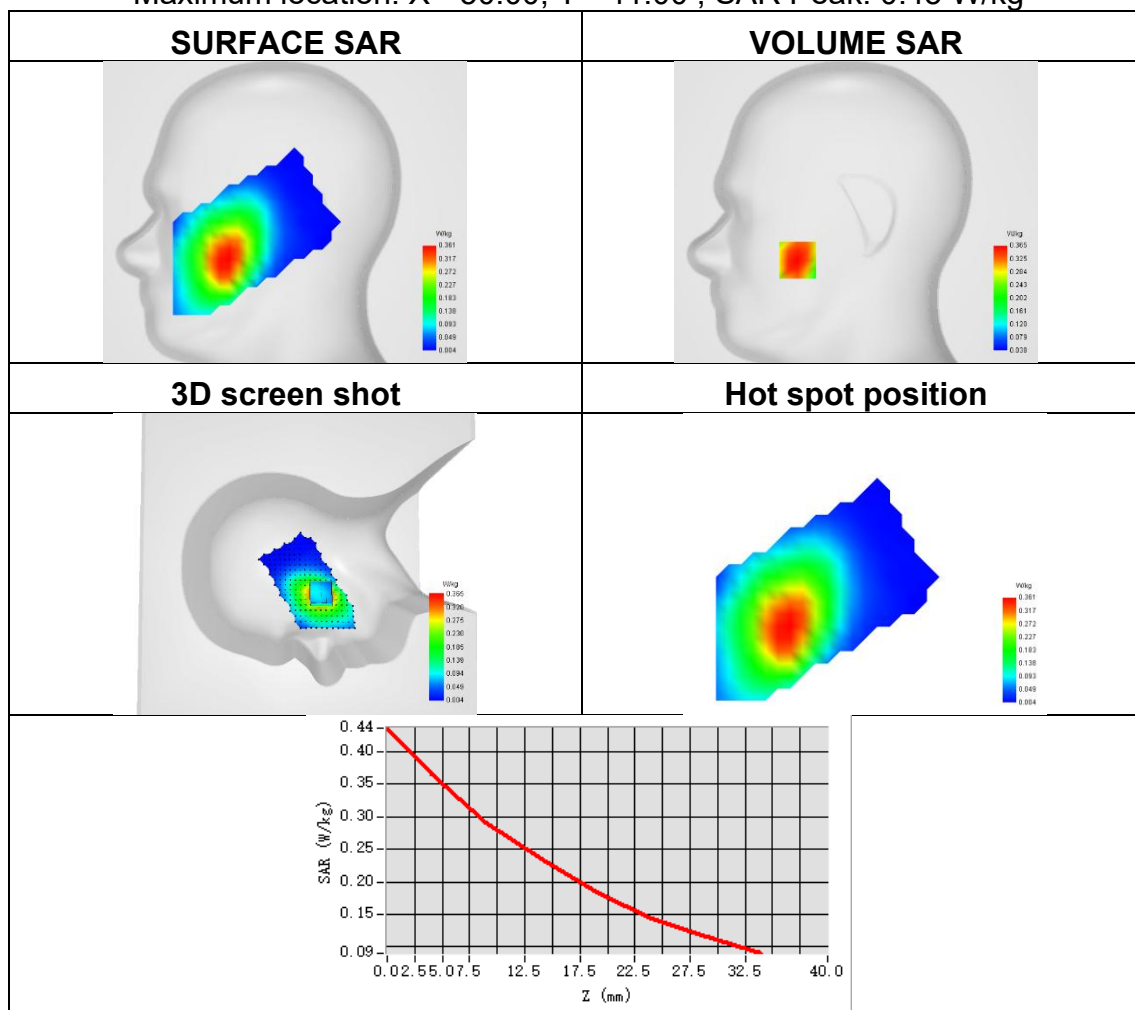




Plot 21:

Test Date	2026-08-05
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	836.5
SAR 10g (W/Kg)	0.264
SAR 1g (W/Kg)	0.354
ConvF	0.69
Relative permittivity	42.28
Conductivity (S/m)	0.93

Maximum location: X=-50.00, Y=-41.00 ; SAR Peak: 0.45 W/kg

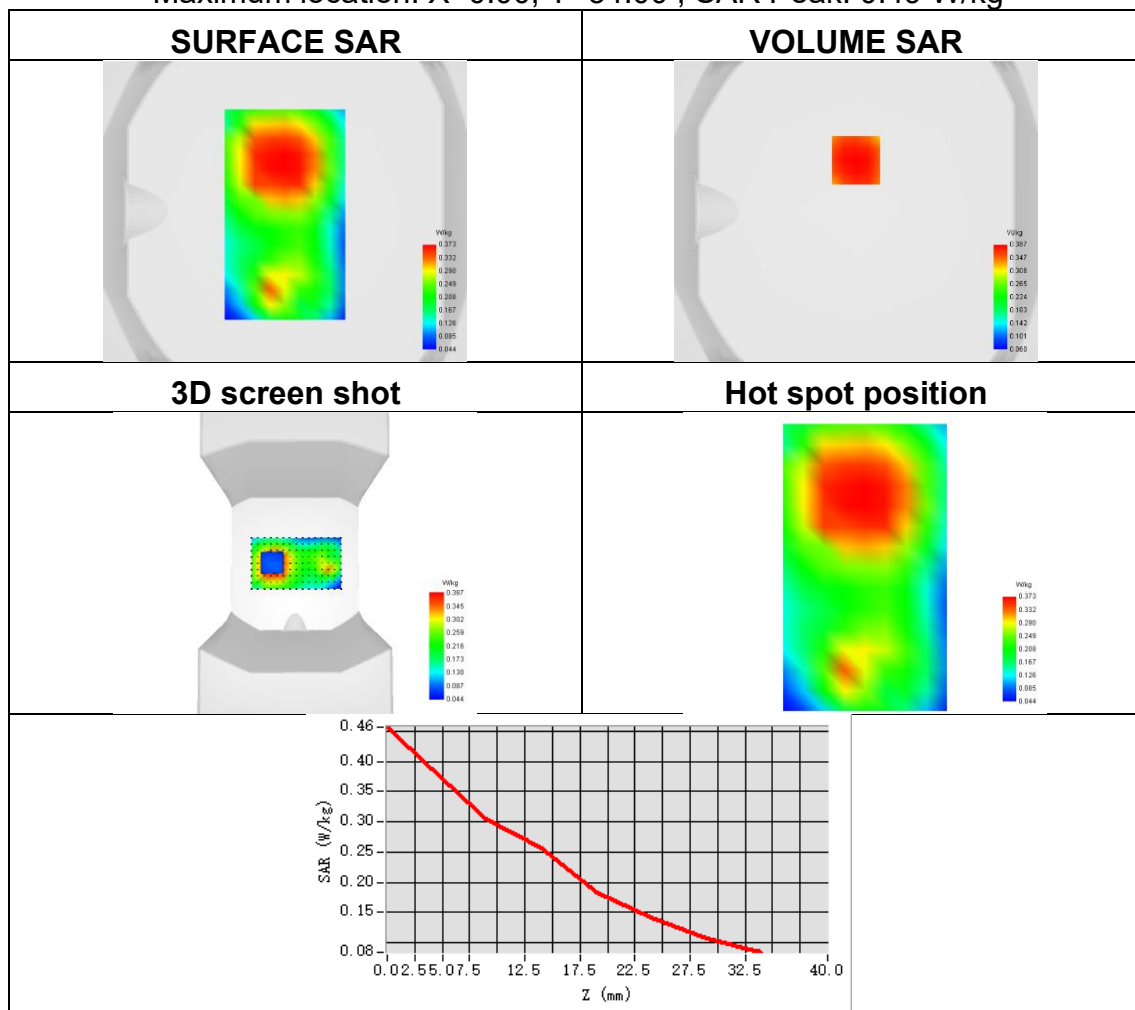




Plot 22:

Test Date	2026-08-05
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)	0.281
SAR 1g (W/Kg)	0.379
ConvF	0.69
Relative permittivity	42.28
Conductivity (S/m)	0.93

Maximum location: X=0.00, Y=34.00 ; SAR Peak: 0.49 W/kg

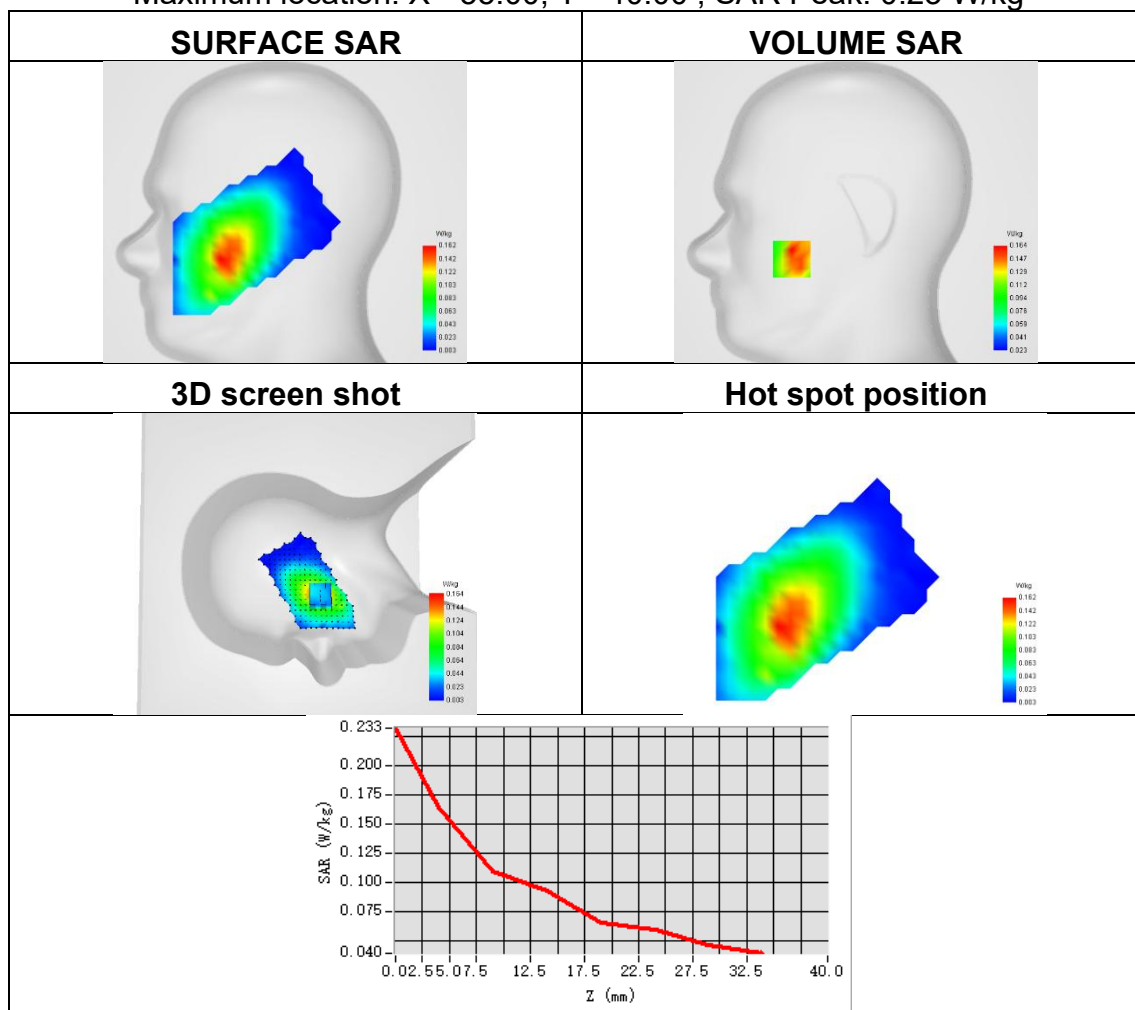




Plot 23:

Test Date	2026-08-06
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)	0.111
SAR 1g (W/Kg)	0.156
ConvF	0.71
Relative permittivity	43.08
Conductivity (S/m)	0.90

Maximum location: X=-55.00, Y=-40.00 ; SAR Peak: 0.23 W/kg

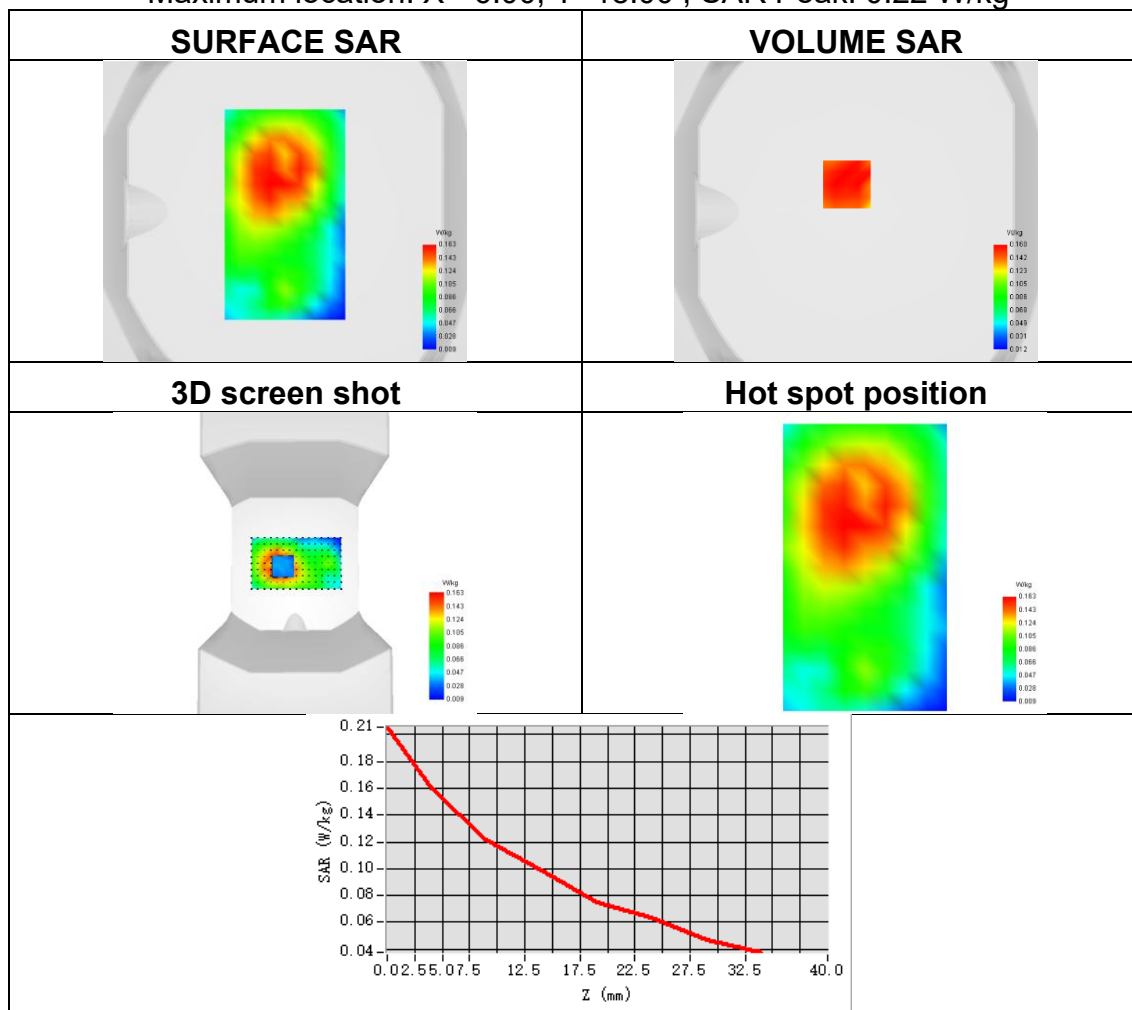




Plot 24:

Test Date	2026-08-06
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)	0.108
SAR 1g (W/Kg)	0.157
ConvF	0.71
Relative permittivity	43.08
Conductivity (S/m)	0.90

Maximum location: X=-6.00, Y=18.00 ; SAR Peak: 0.22 W/kg

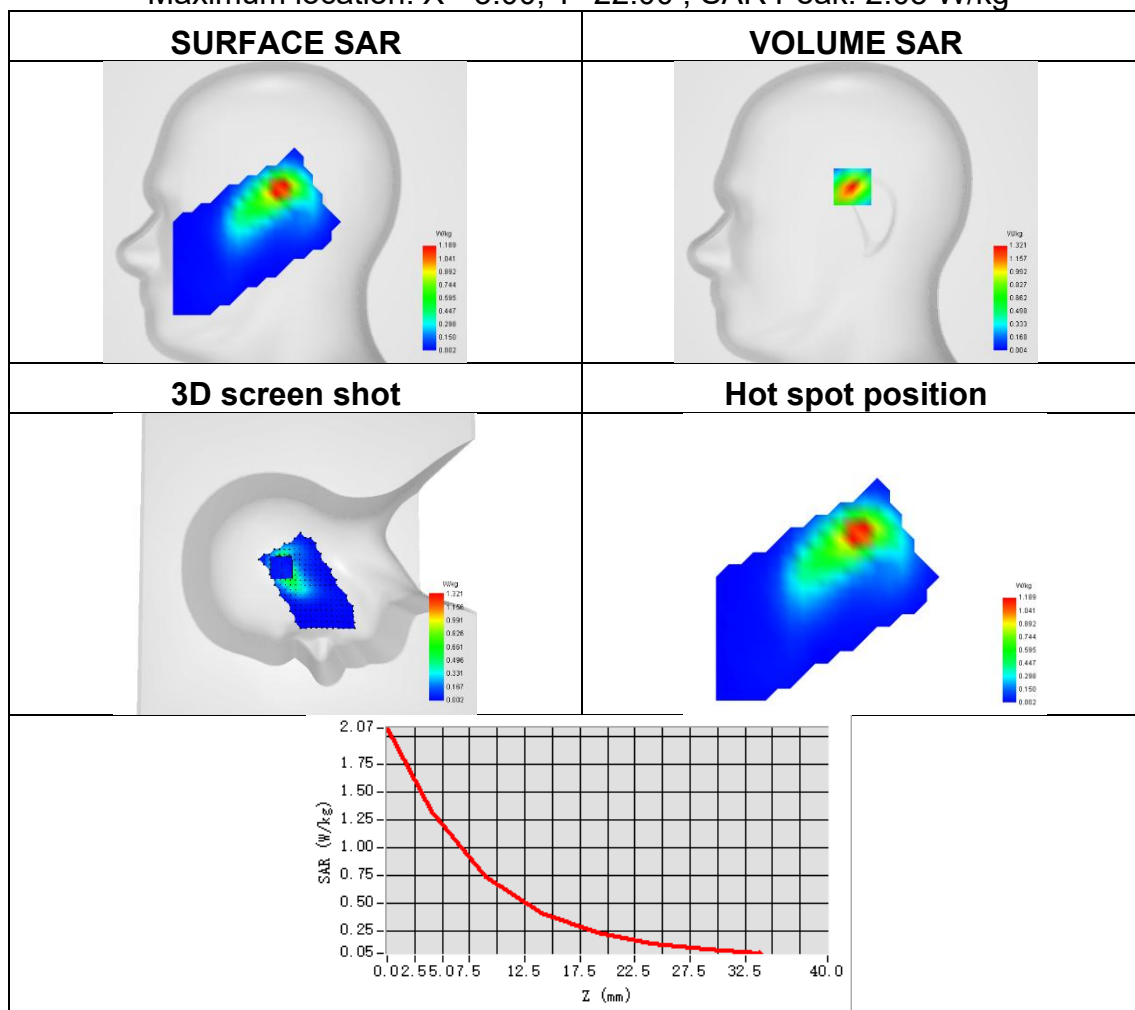




Plot 25:

Test Date	2026-08-04
Area Scan	dx=8mm dy=8mm
Zoom Scan	5x5x7, dx=8mm dy=8mm dz=5mm
Phantom	Right head
Device Position	Cheek
Band	LTE band 66
Signal	LTE FDD
Frequency	1720
SAR 10g (W/Kg)	0.615
SAR 1g (W/Kg)	1.016
ConvF	0.69
Relative permittivity	40.67
Conductivity (S/m)	1.39

Maximum location: X=-3.00, Y=22.00 ; SAR Peak: 2.05 W/kg

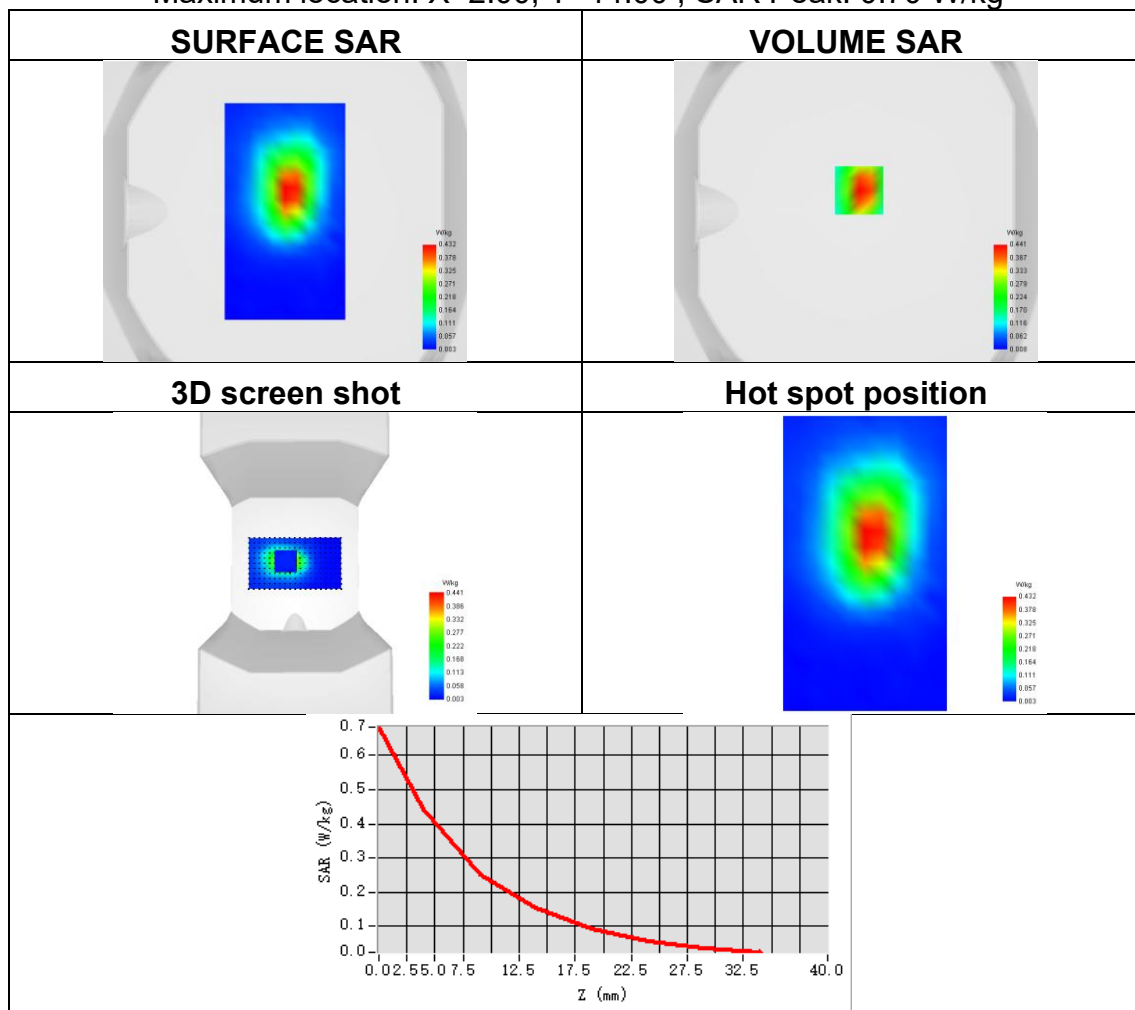




Plot 26:

Test Date	2026-08-04
Area Scan	dx=8mm dy=8mm
Zoom Scan	5x5x7, dx=8mm dy=8mm dz=5mm
Phantom	Validation plane
Device Position	Top Side
Band	LTE band 66
Signal	LTE FDD
Frequency	1720
SAR 10g (W/Kg)	0.226
SAR 1g (W/Kg)	0.427
ConvF	0.69
Relative permittivity	40.67
Conductivity (S/m)	1.39

Maximum location: X=2.00, Y=14.00 ; SAR Peak: 0.70 W/kg





Appendix C. Probe Calibration and Dipole Calibration Report

Refer the appendix Calibration Report.

※※※※※END OF THE REPORT※※※※※