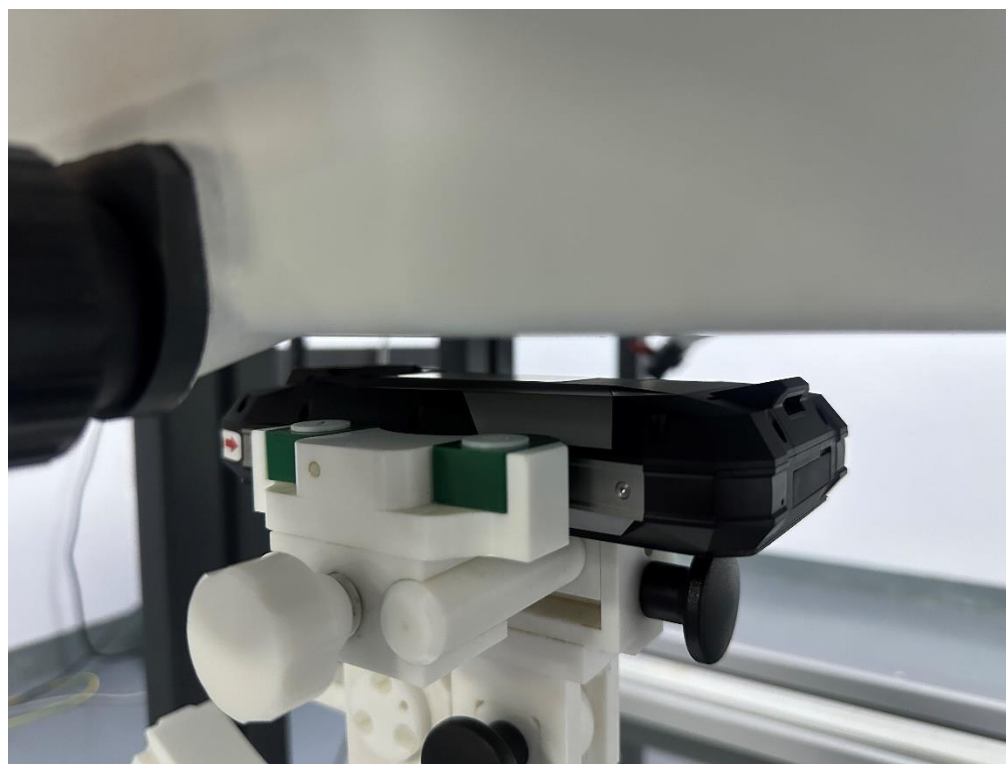




Body Front side (separation distance is 10mm)



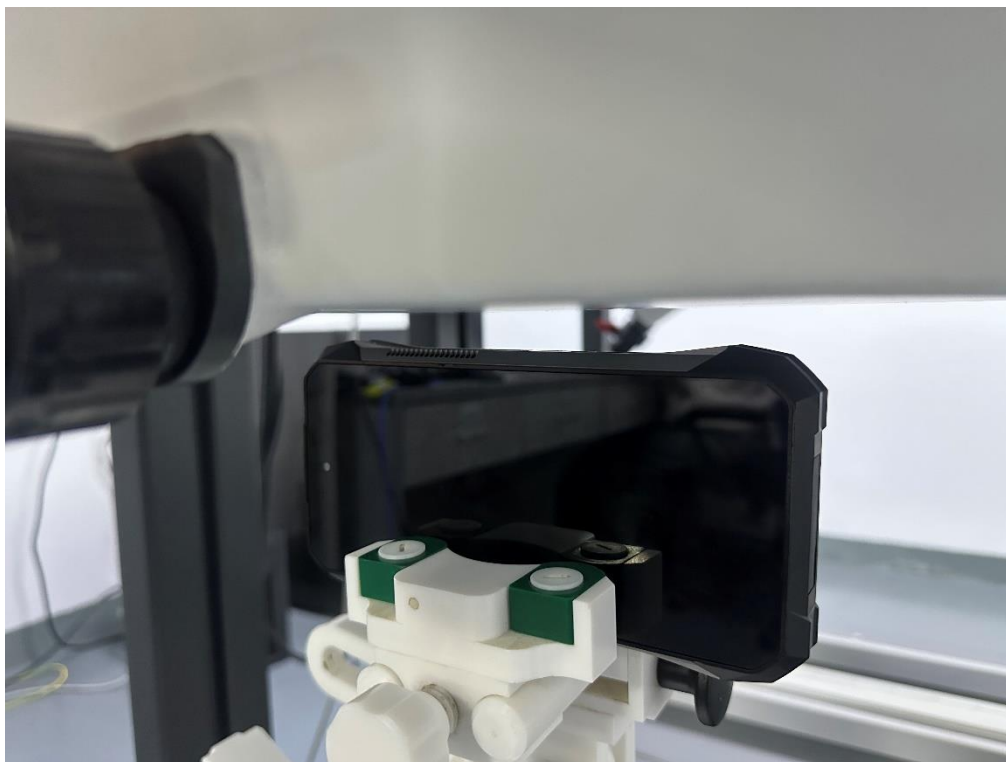
Body Back side (separation distance 10mm)



Body Left side (separation distance is 10mm)



Body Right side (separation distance is 10mm)

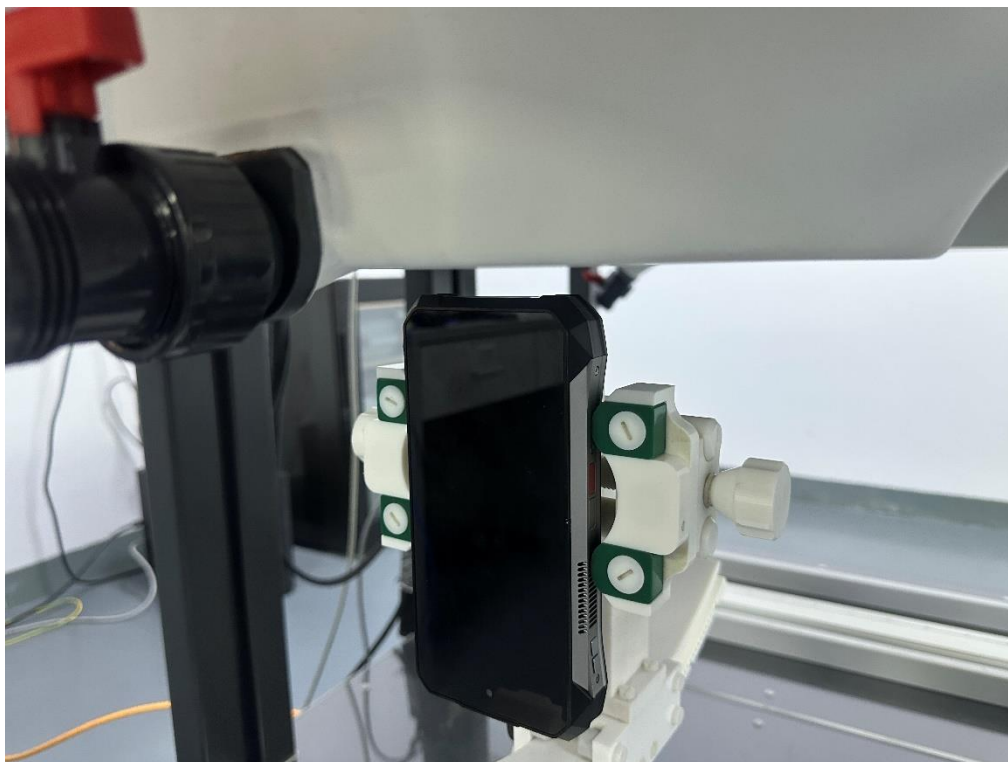




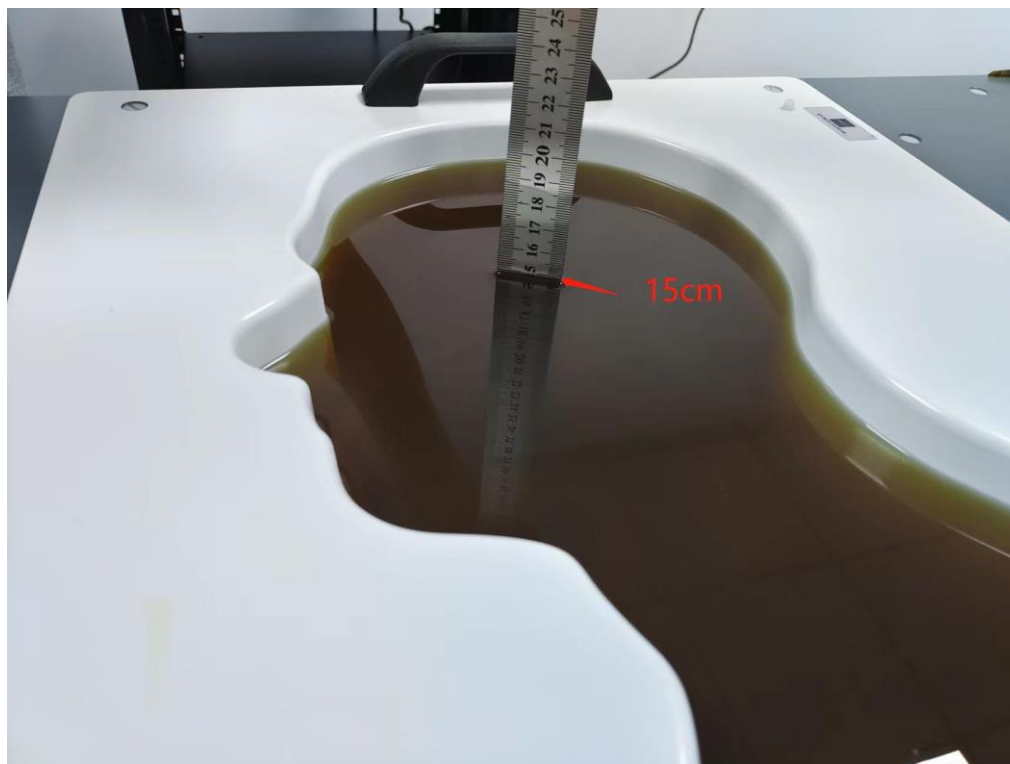
Body Top side (separation distance is 10mm)



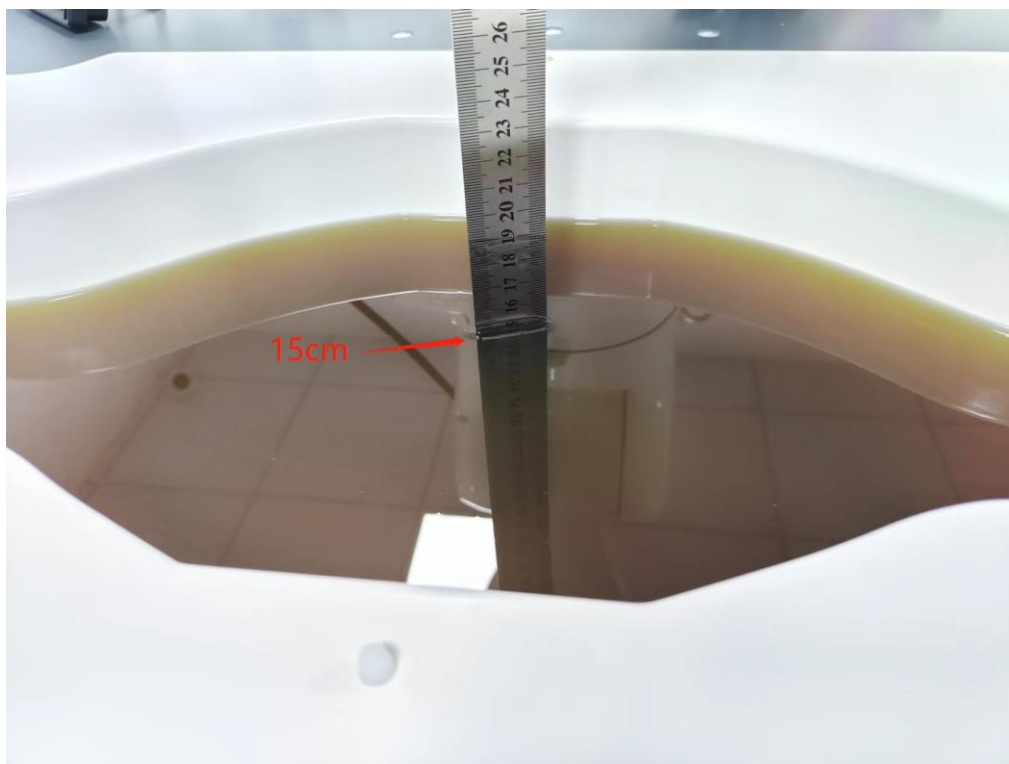
Body Bottom side (separation distance is 10mm)



Liquid depth (15 cm)



Liquid depth (15 cm)





12. SAR Result Summary

12.1 Head SAR

Band	Model	Test Position	Freq.	SAR (1g) (W/kg)	Power Drift (%)	Max. Turn-up Power (dBm)	Meas. Output Power (dBm)	Scaling Factor	Scaled SAR (W/Kg)	Meas. No.
GSM850	GSM	Right Cheek	848.8	0.127	-2.65	32.50	32.39	1.026	0.130	/
		Right Tilt	848.8	0.116	0.11	32.50	32.39	1.026	0.119	/
		Left Cheek	848.8	0.155	3.20	32.50	32.39	1.026	0.159	1
		Left Tilt	848.8	0.142	0.73	32.50	32.39	1.026	0.146	/
PCS 1900	GSM	Right Cheek	1880	0.057	-1.12	30.80	30.62	1.042	0.059	3
		Right Tilt	1880	0.054	-0.74	30.80	30.62	1.042	0.056	/
		Left Cheek	1880	0.029	0.10	30.80	30.62	1.042	0.030	/
		Left Tilt	1880	0.029	-2.44	30.80	30.62	1.042	0.030	/
WCDMA Band II	RMC	Right Cheek	1880	0.105	-2.67	24.50	24.33	1.040	0.109	5
		Right Tilt	1880	0.099	-2.95	24.50	24.33	1.040	0.103	/
		Left Cheek	1880	0.043	-1.91	24.50	24.33	1.040	0.045	/
		Left Tilt	1880	0.039	0.50	24.50	24.33	1.040	0.041	/
WCDMA Band IV	RMC	Right Cheek	1712.6	0.350	2.19	24.50	24.21	1.069	0.374	7
		Right Tilt	1712.6	0.318	-3.11	24.50	24.21	1.069	0.340	/
		Left Cheek	1712.6	0.205	3.69	24.50	24.21	1.069	0.219	/
		Left Tilt	1712.6	0.186	-1.79	24.50	24.21	1.069	0.199	/
WCDMA Band V	RMC	Right Cheek	846.6	0.382	-0.01	24.00	23.79	1.050	0.401	/
		Right Tilt	846.6	0.348	2.74	24.00	23.79	1.050	0.365	/
		Left Cheek	846.6	0.397	-2.68	24.00	23.79	1.050	0.417	9
		Left Tilt	846.6	0.358	-2.39	24.00	23.79	1.050	0.376	/
2.4G WLAN ANT 1	802.11ac-VHT40	Right Cheek	2422	0.095	3.55	15.50	15.41	1.021	0.097	11
		Right Tilt	2422	0.09	2.02	15.50	15.41	1.021	0.092	/
		Left Cheek	2422	0.070	-3.88	15.50	15.41	1.021	0.071	/
		Left Tilt	2422	0.066	1.84	15.50	15.41	1.021	0.067	/
2.4G WLAN ANT 2	802.11b	Right Cheek	2462	0.127	-2.78	17.50	17.34	1.038	0.132	/
		Right Tilt	2462	0.106	3.64	17.50	17.34	1.038	0.110	/
		Left Cheek	2462	0.226	-2.43	17.50	17.34	1.038	0.234	13
		Left Tilt	2462	0.205	1.53	17.50	17.34	1.038	0.213	/
2.4G WLAN MIMO 1	802.11ac-VHT40	Right Cheek	2422	0.089	-1.77	15.10	14.98	1.028	0.091	15
		Right Tilt	2422	0.084	2.93	15.10	14.98	1.028	0.086	/
		Left Cheek	2422	0.068	3.37	15.10	14.98	1.028	0.070	/
		Left Tilt	2422	0.064	1.47	15.10	14.98	1.028	0.066	/
2.4G WLAN MIMO 2	802.11ac-VHT40	Right Cheek	2422	0.145	-0.18	15.10	14.98	1.028	0.149	17
		Right Tilt	2422	0.117	-3.96	15.10	14.98	1.028	0.120	/
		Left Cheek	2422	0.055	-2.26	15.10	14.98	1.028	0.057	/
		Left Tilt	2422	0.05	2.81	15.10	14.98	1.028	0.051	/
5.2G WLAN ANT 1	802.11a	Right Cheek	5200	0.071	3.75	13.00	12.79	1.050	0.075	19
		Right Tilt	5200	0.067	3.56	13.00	12.79	1.050	0.070	/
		Left Cheek	5200	0.059	0.36	13.00	12.79	1.050	0.062	/
		Left Tilt	5200	0.054	-3.44	13.00	12.79	1.050	0.057	/
	802.11a	Right Cheek	5180	0.034	1.28	15.10	14.96	1.033	0.035	/



5.2G WLAN ANT 2		Right Tilt	5180	0.033	1.80	15.10	14.96	1.033	0.034	/
		Left Cheek	5180	0.037	-2.38	15.10	14.96	1.033	0.038	21
		Left Tilt	5180	0.035	0.51	15.10	14.96	1.033	0.036	/
5.2G WLAN MIMO 1	802.11ac- VHT40	Right Cheek	5230	0.043	1.88	14.50	14.28	1.052	0.045	23
		Right Tilt	5230	0.041	-1.55	14.50	14.28	1.052	0.043	/
		Left Cheek	5230	0.036	-1.08	14.50	14.28	1.052	0.038	/
		Left Tilt	5230	0.035	3.79	14.50	14.28	1.052	0.037	/
5.2G WLAN MIMO 2	802.11ac- VHT40	Right Cheek	5230	0.215	2.44	14.50	14.28	1.052	0.226	/
		Right Tilt	5230	0.194	-0.38	14.50	14.28	1.052	0.204	/
		Left Cheek	5230	0.279	2.57	14.50	14.28	1.052	0.293	25
		Left Tilt	5230	0.254	-0.35	14.50	14.28	1.052	0.267	/
5.3G WLAN ANT 1	802.11a	Right Cheek	5260	0.052	-2.68	12.50	12.28	1.052	0.055	27
		Right Tilt	5260	0.05	-1.01	12.50	12.28	1.052	0.053	/
		Left Cheek	5260	0.042	3.88	12.50	12.28	1.052	0.044	/
		Left Tilt	5260	0.041	-2.35	12.50	12.28	1.052	0.043	/
5.3G WLAN ANT 2	802.11a	Right Cheek	5300	0.108	-2.66	15.80	15.65	1.035	0.112	/
		Right Tilt	5300	0.097	-1.68	15.80	15.65	1.035	0.100	/
		Left Cheek	5300	0.142	-0.05	15.80	15.65	1.035	0.147	29
		Left Tilt	5300	0.131	3.50	15.80	15.65	1.035	0.136	/
5.3G WLAN MIMO 1	802.11ac- VHT20	Right Cheek	5260	0.087	-3.64	14.00	13.81	1.045	0.091	31
		Right Tilt	5260	0.083	-3.16	14.00	13.81	1.045	0.087	/
		Left Cheek	5260	0.069	-3.44	14.00	13.81	1.045	0.072	/
		Left Tilt	5260	0.067	2.74	14.00	13.81	1.045	0.070	/
5.3G WLAN MIMO 2	802.11ac- VHT20	Right Cheek	5260	0.091	-3.84	14.00	13.81	1.045	0.095	/
		Right Tilt	5260	0.084	3.37	14.00	13.81	1.045	0.088	/
		Left Cheek	5260	0.115	-2.72	14.00	13.81	1.045	0.120	33
		Left Tilt	5260	0.106	-3.96	14.00	13.81	1.045	0.111	/
5.6G WLAN ANT 1	802.11a	Right Cheek	5700	0.115	-0.69	11.80	11.60	1.047	0.120	35
		Right Tilt	5700	0.105	2.83	11.80	11.60	1.047	0.110	/
		Left Cheek	5700	0.089	2.00	11.80	11.60	1.047	0.093	/
		Left Tilt	5700	0.082	2.19	11.80	11.60	1.047	0.086	/
5.6G WLAN ANT 2	802.11a	Right Cheek	5500	0.115	-0.23	16.20	16.06	1.033	0.119	/
		Right Tilt	5500	0.108	3.19	16.20	16.06	1.033	0.112	/
		Left Cheek	5500	0.147	1.44	16.20	16.06	1.033	0.152	37
		Left Tilt	5500	0.133	-0.72	16.20	16.06	1.033	0.137	/
5.6G WLAN MIMO 1	802.11n- HT40	Right Cheek	5550	0.130	-3.67	13.60	13.48	1.028	0.134	39
		Right Tilt	5550	0.121	1.99	13.60	13.48	1.028	0.124	/
		Left Cheek	5550	0.103	2.68	13.60	13.48	1.028	0.106	/
		Left Tilt	5550	0.097	0.55	13.60	13.48	1.028	0.100	/
5.6G WLAN MIMO 2	802.11n- HT40	Right Cheek	5550	0.034	1.00	13.60	13.48	1.028	0.035	/
		Right Tilt	5550	0.035	0.93	13.60	13.48	1.028	0.036	/
		Left Cheek	5550	0.040	1.36	13.60	13.48	1.028	0.041	41
		Left Tilt	5550	0.032	3.65	13.60	13.48	1.028	0.033	/
5.8G WLAN ANT 1	802.11a	Right Cheek	5745	0.062	1.47	12.00	11.80	1.047	0.065	43
		Right Tilt	5745	0.058	-1.88	12.00	11.80	1.047	0.061	/
		Left Cheek	5745	0.051	0.49	12.00	11.80	1.047	0.053	/
		Left Tilt	5745	0.046	0.75	12.00	11.80	1.047	0.048	/
	802.11a	Right Cheek	5745	0.184	3.65	15.80	15.63	1.040	0.191	/



5.8G WLAN ANT 2		Right Tilt	5745	0.167	-1.52	15.80	15.63	1.040	0.174	/
		Left Cheek	5745	0.237	1.57	15.80	15.63	1.040	0.246	45
		Left Tilt	5745	0.217	1.65	15.80	15.63	1.040	0.226	/
5.8G WLAN MIMO 1	802.11ax- HE20	Right Cheek	5745	0.384	0.11	13.20	12.99	1.050	0.403	47
		Right Tilt	5745	0.349	-3.16	13.20	12.99	1.050	0.366	/
		Left Cheek	5745	0.294	-0.23	13.20	12.99	1.050	0.309	/
		Left Tilt	5745	0.267	0.47	13.20	12.99	1.050	0.280	/
5.8G WLAN MIMO 2	802.11ax- HE20	Right Cheek	5745	0.065	-3.37	13.20	12.99	1.050	0.068	/
		Right Tilt	5745	0.061	-0.58	13.20	12.99	1.050	0.064	/
		Left Cheek	5745	0.082	2.70	13.20	12.99	1.050	0.086	49
		Left Tilt	5745	0.076	2.93	13.20	12.99	1.050	0.080	/

Band	Mode	Max SAR	WIFI MIMO
		(W/Kg)	
2.4G WLAN	802.11ac-VHT40	0.091	0.240
	802.11ac-VHT40	0.149	
5.2G WLAN	802.11ac-VHT40	0.045	0.338
	802.11ac-VHT40	0.293	
5.3G WLAN	802.11ac-VHT20	0.091	0.211
	802.11ac-VHT20	0.120	
5.6G WLAN	802.11n-HT40	0.134	0.175
	802.11n-HT40	0.041	
5.8G WLAN	802.11ax-HE20	0.403	0.489
	802.11ax-HE20	0.086	



Band	BW (MHz)	Mod.	RB Size	RB offset	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.
LTE Band 2	20M	QPSK	1	0	Right Cheek	1880	0.159	2.96	25.30	25.07	1.054	0.168	51
			50	24	Right Cheek	1880	0.129	2.53	24.20	23.99	1.050	0.135	/
			1	0	Right Tilt	1880	0.145	0.99	25.30	25.07	1.054	0.153	/
			50	24	Right Tilt	1880	0.119	0.59	24.20	23.99	1.050	0.125	/
			1	0	Left Cheek	1880	0.131	-2.30	25.30	25.07	1.054	0.138	/
			50	24	Left Cheek	1880	0.106	1.87	24.20	23.99	1.050	0.111	/
			1	0	Left Tilt	1880	0.120	-1.89	25.30	25.07	1.054	0.127	/
			50	24	Left Tilt	1880	0.099	-1.85	24.20	23.99	1.050	0.104	/
LTE Band 4	20M	QPSK	1	49	Right Cheek	1720	0.400	1.51	25.20	25.06	1.033	0.413	53
			50	0	Right Cheek	1720	0.322	2.56	24.20	24.00	1.047	0.337	/
			1	49	Right Tilt	1720	0.362	-3.73	25.20	25.06	1.033	0.374	/
			50	0	Right Tilt	1720	0.289	-3.13	24.20	24.00	1.047	0.303	/
			1	49	Left Cheek	1720	0.323	0.96	25.20	25.06	1.033	0.334	/
			50	0	Left Cheek	1720	0.259	0.76	24.20	24.00	1.047	0.271	/
			1	49	Left Tilt	1720	0.293	-2.16	25.20	25.06	1.033	0.303	/
			50	0	Left Tilt	1720	0.235	-2.36	24.20	24.00	1.047	0.246	/
LTE Band 5	10M	QPSK	1	49	Right Cheek	844	0.198	-1.27	22.80	22.54	1.062	0.210	/
			25	24	Right Cheek	844	0.158	2.88	21.50	21.36	1.033	0.163	/
			1	49	Right Tilt	844	0.179	3.94	22.80	22.54	1.062	0.190	/
			25	24	Right Tilt	844	0.140	-2.29	21.50	21.36	1.033	0.145	/
			1	49	Left Cheek	844	0.242	-3.29	22.80	22.54	1.062	0.257	55
			25	24	Left Cheek	844	0.189	0.64	21.50	21.36	1.033	0.195	/
			1	49	Left Tilt	844	0.223	2.29	22.80	22.54	1.062	0.237	/
			25	24	Left Tilt	844	0.176	1.49	21.50	21.36	1.033	0.182	/
LTE Band 7	20M	QPSK	1	0	Right Cheek	2510	0.077	-2.67	24.60	24.42	1.042	0.080	57
			50	49	Right Cheek	2510	0.054	-3.76	22.50	23.28	0.836	0.045	/
			1	0	Right Tilt	2510	0.072	-3.70	24.60	24.42	1.042	0.075	/
			50	49	Right Tilt	2510	0.056	-2.56	22.50	23.28	0.836	0.047	/
			1	0	Left Cheek	2510	0.065	1.24	24.60	24.42	1.042	0.068	/
			50	49	Left Cheek	2510	0.046	0.54	22.50	23.28	0.836	0.038	/
			1	0	Left Tilt	2510	0.062	2.78	24.60	24.42	1.042	0.065	/
			50	49	Left Tilt	2510	0.047	3.10	22.50	23.28	0.836	0.039	/
	10M	QPSK	1	24	Right Cheek	704	0.173	0.76	24.00	23.85	1.035	0.179	59



LTE Band 12			25	0	Right Cheek	704	0.139	-0.80	23.00	22.70	1.072	0.149	/
			1	24	Right Tilt	704	0.161	-1.60	24.00	23.85	1.035	0.167	/
			25	0	Right Tilt	704	0.127	-0.54	23.00	22.70	1.072	0.136	/
			1	24	Left Cheek	704	0.166	2.63	24.00	23.85	1.035	0.172	/
			25	0	Left Cheek	704	0.133	2.09	23.00	22.70	1.072	0.143	/
			1	24	Left Tilt	704	0.152	2.93	24.00	23.85	1.035	0.157	/
			25	0	Left Tilt	704	0.121	-3.45	23.00	22.70	1.072	0.130	/
LTE Band 13	10M	QPSK	1	24	Right Cheek	782	0.207	0.33	24.00	23.79	1.050	0.217	/
			25	12	Right Cheek	782	0.167	-0.61	23.00	22.65	1.084	0.181	/
			1	24	Right Tilt	782	0.191	0.96	24.00	23.79	1.050	0.200	/
			25	12	Right Tilt	782	0.155	-1.17	23.00	22.65	1.084	0.168	/
			1	24	Left Cheek	782	0.352	-2.42	24.00	23.79	1.050	0.369	61
			25	12	Left Cheek	782	0.282	3.41	23.00	22.65	1.084	0.306	/
			1	24	Left Tilt	782	0.320	2.22	24.00	23.79	1.050	0.336	/
			25	12	Left Tilt	782	0.256	-2.33	23.00	22.65	1.084	0.277	/
LTE Band 17	10M	QPSK	1	24	Right Cheek	709	0.108	-2.88	24.00	23.87	1.030	0.111	63
			25	0	Right Cheek	710	0.086	-3.51	23.00	22.75	1.059	0.091	/
			1	24	Right Tilt	709	0.099	-1.37	24.00	23.87	1.030	0.102	/
			25	0	Right Tilt	710	0.080	2.66	23.00	22.75	1.059	0.085	/
			1	24	Left Cheek	709	0.096	-3.44	24.00	23.87	1.030	0.099	/
			25	0	Left Cheek	710	0.079	-0.88	23.00	22.75	1.059	0.084	/
			1	24	Left Tilt	709	0.089	1.10	24.00	23.87	1.030	0.092	/
			25	0	Left Tilt	710	0.073	-2.39	23.00	22.75	1.059	0.077	/
LTE Band 25	20M	QPSK	1	99	Right Cheek	1905	0.028	-3.24	24.90	24.61	1.069	0.030	65
			50	24	Right Cheek	1905	0.024	1.14	23.60	23.46	1.033	0.025	/
			1	99	Right Tilt	1905	0.021	2.81	24.90	24.61	1.069	0.022	/
			50	24	Right Tilt	1905	0.018	1.42	23.60	23.46	1.033	0.019	/
			1	99	Left Cheek	1905	0.027	3.15	24.90	24.61	1.069	0.029	/
			50	24	Left Cheek	1905	0.019	0.29	23.60	23.46	1.033	0.020	/
			1	99	Left Tilt	1905	0.025	3.48	24.90	24.61	1.069	0.027	/
			50	24	Left Tilt	1905	0.023	3.03	23.60	23.46	1.033	0.024	/
LTE Band 26	15M	QPSK	1	0	Right Cheek	844	0.316	0.41	24.00	23.95	1.012	0.320	/
			36	12	Right Cheek	844	0.246	1.80	23.00	22.73	1.064	0.262	/
			1	0	Right Tilt	844	0.290	3.86	24.00	23.95	1.012	0.293	/
			36	12	Right Tilt	844	0.225	0.78	23.00	22.73	1.064	0.239	/
			1	0	Left Cheek	829	0.463	-2.64	24.00	23.75	1.059	0.490	/



			1	0	Left Cheek	836.5	0.491	-1.91	24.00	23.90	1.023	0.502	/
			1	0	Left Cheek	844	0.528	3.33	24.00	23.95	1.012	0.534	67
			36	12	Left Cheek	844	0.415	0.29	23.00	22.73	1.064	0.442	/
			1	0	Left Tilt	844	0.478	-0.87	24.00	23.95	1.012	0.484	/
			36	12	Left Tilt	844	0.372	2.04	23.00	22.73	1.064	0.396	/
LTE Band 38	20M	QPSK	1	0	Right Cheek	2610	0.276	1.99	24.50	24.24	1.062	0.293	69
			50	0	Right Cheek	2610	0.221	2.83	23.30	23.14	1.038	0.229	/
			1	0	Right Tilt	2610	0.254	2.74	24.50	24.24	1.062	0.270	/
			50	0	Right Tilt	2610	0.206	-1.06	23.30	23.14	1.038	0.214	/
			1	0	Left Cheek	2610	0.223	2.07	24.50	24.24	1.062	0.237	/
			50	0	Left Cheek	2610	0.181	-3.10	23.30	23.14	1.038	0.188	/
			1	0	Left Tilt	2610	0.202	1.89	24.50	24.24	1.062	0.214	/
			50	0	Left Tilt	2610	0.162	3.12	23.30	23.14	1.038	0.168	/
LTE Band 40	10M	QPSK	1	24	Right Cheek	2350	0.046	-2.11	18.50	18.35	1.035	0.048	71
			50	24	Right Cheek	2350	0.039	-2.82	17.50	17.25	1.059	0.041	/
			1	24	Right Tilt	2350	0.044	1.81	18.50	18.35	1.035	0.046	/
			50	24	Right Tilt	2350	0.035	1.31	17.50	17.25	1.059	0.037	/
			1	24	Left Cheek	2350	0.037	-2.70	18.50	18.35	1.035	0.038	/
			50	24	Left Cheek	2350	0.031	-0.98	17.50	17.25	1.059	0.033	/
			1	24	Left Tilt	2350	0.032	-0.06	18.50	18.35	1.035	0.033	/
			50	24	Left Tilt	2350	0.026	2.22	17.50	17.25	1.059	0.028	/
LTE Band 41	20M	QPSK	1	0	Right Cheek	2506	0.209	1.97	24.50	24.29	1.050	0.219	73
			50	0	Right Cheek	2680	0.186	0.47	24.20	24.01	1.045	0.194	/
			1	0	Right Tilt	2506	0.192	-0.88	24.50	24.29	1.050	0.202	/
			50	0	Right Tilt	2680	0.169	1.37	24.20	24.01	1.045	0.177	/
			1	0	Left Cheek	2506	0.169	3.72	24.50	24.29	1.050	0.177	/
			50	0	Left Cheek	2680	0.148	-3.19	24.20	24.01	1.045	0.155	/
			1	0	Left Tilt	2506	0.157	0.77	24.50	24.29	1.050	0.165	/
			50	0	Left Tilt	2680	0.139	3.37	24.20	24.01	1.045	0.145	/
LTE Band 66	20M	QPSK	1	49	Right Cheek	1720	0.084	2.18	24.50	24.35	1.035	0.087	75
			50	0	Right Cheek	1720	0.069	-2.22	23.30	23.16	1.033	0.071	/
			1	49	Right Tilt	1720	0.079	2.82	24.50	24.35	1.035	0.082	/
			50	0	Right Tilt	1720	0.067	2.42	23.30	23.16	1.033	0.069	/
			1	49	Left Cheek	1720	0.068	3.45	24.50	24.35	1.035	0.070	/
			50	0	Left Cheek	1720	0.055	-1.35	23.30	23.16	1.033	0.057	/
			1	49	Left Tilt	1720	0.063	0.75	24.50	24.35	1.035	0.065	/



			50	0	Left Tilt	1720	0.051	3.82	23.30	23.16	1.033	0.053	/
SA N2	20M	DFT_QPSK	1	104	Right Cheek	1880	0.085	3.59	24.00	23.78	1.052	0.089	/
			50	25	Right Cheek	1860	0.089	-0.30	24.10	23.90	1.047	0.093	/
			1	104	Right Tilt	1880	0.082	1.52	24.00	23.78	1.052	0.086	/
			50	25	Right Tilt	1860	0.084	-3.30	24.10	23.90	1.047	0.088	/
			1	104	Left Cheek	1880	0.145	0.65	24.00	23.78	1.052	0.153	/
			50	25	Left Cheek	1860	0.157	1.70	24.10	23.90	1.047	0.164	77
			1	104	Left Tilt	1880	0.135	0.38	24.00	23.78	1.052	0.142	/
			50	25	Left Tilt	1860	0.142	2.11	24.10	23.90	1.047	0.149	/
SA N5	20M	DFT_BPSK	1	104	Right Cheek	839	0.401	2.09	23.50	23.25	1.059	0.425	/
			50	25	Right Cheek	834	0.430	0.27	23.50	23.34	1.038	0.446	79
			1	104	Right Tilt	839	0.363	2.29	23.50	23.25	1.059	0.385	/
			50	25	Right Tilt	834	0.391	-0.80	23.50	23.34	1.038	0.406	/
			1	104	Left Cheek	839	0.323	-2.43	23.50	23.25	1.059	0.342	/
			50	25	Left Cheek	834	0.345	2.28	23.50	23.34	1.038	0.358	/
			1	104	Left Tilt	839	0.292	-2.45	23.50	23.25	1.059	0.309	/
			50	25	Left Tilt	834	0.312	3.30	23.50	23.34	1.038	0.324	/
SA N7	20M	DFT_QPSK	1	1	Right Cheek	2510	0.031	-1.98	23.60	23.47	1.030	0.032	/
			50	25	Right Cheek	2510	0.027	1.67	22.60	22.47	1.030	0.028	/
			1	1	Right Tilt	2510	0.033	3.42	23.60	23.47	1.030	0.034	/
			50	25	Right Tilt	2510	0.030	3.43	22.60	22.47	1.030	0.031	/
			1	1	Left Cheek	2510	0.038	3.84	23.60	23.47	1.030	0.039	81
			50	25	Left Cheek	2510	0.032	-3.97	22.60	22.47	1.030	0.033	/
			1	1	Left Tilt	2510	0.031	-0.60	23.60	23.47	1.030	0.032	/
			50	25	Left Tilt	2510	0.023	2.25	22.60	22.47	1.030	0.024	/
SA N25	20M	DFT_QPSK	1	0	Right Cheek	1882.5	0.037	-1.62	23.90	23.71	1.045	0.039	/
			50	25	Right Cheek	1882.5	0.038	-2.03	24.00	23.82	1.042	0.040	/
			1	0	Right Tilt	1882.5	0.033	2.64	23.90	23.71	1.045	0.034	/
			50	25	Right Tilt	1882.5	0.036	3.62	24.00	23.82	1.042	0.038	/
			1	0	Left Cheek	1882.5	0.041	2.65	23.90	23.71	1.045	0.043	/
			50	25	Left Cheek	1882.5	0.046	-3.22	24.00	23.82	1.042	0.048	83
			1	0	Left Tilt	1882.5	0.035	2.10	23.90	23.71	1.045	0.037	/
			50	25	Left Tilt	1882.5	0.040	-0.52	24.00	23.82	1.042	0.042	/
SA N38	40M	DFT_QPSK	1	104	Right Cheek	2590	0.239	-1.92	23.60	23.49	1.026	0.245	/
			50	25	Right Cheek	2600	0.294	0.16	24.10	23.97	1.030	0.303	/
			1	104	Right Tilt	2590	0.219	-0.76	23.60	23.49	1.026	0.225	/



			50	25	Right Tilt	2600	0.269	-1.32	24.10	23.97	1.030	0.277	/
			1	104	Left Cheek	2590	0.292	-2.82	23.60	23.49	1.026	0.299	/
			50	25	Left Cheek	2600	0.363	2.47	24.10	23.97	1.030	0.374	85
			1	104	Left Tilt	2590	0.267	3.49	23.60	23.49	1.026	0.274	/
			50	25	Left Tilt	2600	0.329	1.39	24.10	23.97	1.030	0.339	/
SA N41	100M	DFT_BPSK	1	271	Right Cheek	2680	0.266	2.69	23.50	23.20	1.072	0.285	/
			135	67	Right Cheek	2680	0.328	2.73	24.30	24.01	1.069	0.351	/
			1	271	Right Tilt	2680	0.241	1.82	23.50	23.20	1.072	0.258	/
			135	67	Right Tilt	2680	0.298	3.49	24.30	24.01	1.069	0.319	/
			1	271	Left Cheek	2680	0.324	-2.39	23.50	23.20	1.072	0.347	/
			135	67	Left Cheek	2680	0.403	2.24	24.30	24.01	1.069	0.431	87
			1	271	Left Tilt	2680	0.293	0.97	23.50	23.20	1.072	0.314	/
			135	67	Left Tilt	2680	0.365	-1.74	24.30	24.01	1.069	0.390	/
SA N77	100M	DFT_BPSK	1	0	Right Cheek	3500	0.020	0.94	22.90	22.60	1.072	0.021	/
			135	67	Right Cheek	3500	0.025	0.24	23.80	23.51	1.069	0.027	/
			1	0	Right Tilt	3500	0.023	2.05	22.90	22.60	1.072	0.025	/
			135	67	Right Tilt	3500	0.026	3.56	23.80	23.51	1.069	0.028	/
			1	0	Left Cheek	3500	0.027	-3.44	22.90	22.60	1.072	0.029	/
			135	67	Left Cheek	3500	0.037	3.84	23.80	23.51	1.069	0.040	89
			1	0	Left Tilt	3500	0.026	3.49	22.90	22.60	1.072	0.028	/
			135	67	Left Tilt	3500	0.035	0.53	23.80	23.51	1.069	0.037	/
SA N78	100M	DFT_QPSK	1	0	Right Cheek	3500	0.109	-1.80	23.00	22.71	1.069	0.117	91
			135	67	Right Cheek	3500	0.136	-0.49	23.80	23.57	1.054	0.143	/
			1	0	Right Tilt	3500	0.098	-0.29	23.00	22.71	1.069	0.105	/
			135	67	Right Tilt	3500	0.125	-0.49	23.80	23.57	1.054	0.132	/
			1	0	Left Cheek	3500	0.136	-0.83	23.00	22.71	1.069	0.145	/
			135	67	Left Cheek	3500	0.168	1.71	23.80	23.57	1.054	0.177	/
			1	0	Left Tilt	3500	0.120	0.83	23.00	22.71	1.069	0.128	/
			135	67	Left Tilt	3500	0.152	-0.57	23.80	23.57	1.054	0.160	/



NSA

Band	BW (MHz)	Mod.	RB Size	RB offset	Test Position	Freq.	Result 1g (W/Kg)	Power Drift (%)	Max. Turn-up Power (dBm)	Meas. Output Power (dBm)	Scaling Factor	Scaled SAR (W/Kg)	Meas. No.
SA N41	100M	DFT_BPSK	1	271	Right Cheek	2680	0.266	2.69	23.50	23.20	1.072	0.285	/
			135	67	Right Cheek	2680	0.328	2.73	24.30	24.01	1.069	0.351	/
			1	271	Right Tilt	2680	0.241	1.82	23.50	23.20	1.072	0.258	/
			135	67	Right Tilt	2680	0.298	3.49	24.30	24.01	1.069	0.319	/
			1	271	Left Cheek	2680	0.324	-2.39	23.50	23.20	1.072	0.347	/
			135	67	Left Cheek	2680	0.403	2.24	24.30	24.01	1.069	0.431	87
			1	271	Left Tilt	2680	0.293	0.97	23.50	23.20	1.072	0.314	/
			135	67	Left Tilt	2680	0.365	-1.74	24.30	24.01	1.069	0.390	/
LTE Band 5	10M	QPSK	1	49	Right Cheek	844	0.198	-1.27	22.80	22.54	1.062	0.210	/
			25	24	Right Cheek	844	0.158	2.88	21.50	21.36	1.033	0.163	/
			1	49	Right Tilt	844	0.179	3.94	22.80	22.54	1.062	0.190	/
			25	24	Right Tilt	844	0.140	-2.29	21.50	21.36	1.033	0.145	/
			1	49	Left Cheek	844	0.242	-3.29	22.80	22.54	1.062	0.257	55
			25	24	Left Cheek	844	0.189	0.64	21.50	21.36	1.033	0.195	/
			1	49	Left Tilt	844	0.223	2.29	22.80	22.54	1.062	0.237	/
			25	24	Left Tilt	844	0.176	1.49	21.50	21.36	1.033	0.182	/

Band	Mode	Head Max SAR	Head Test sum
		(W/Kg)	
NSA N41+B5	SA N41	0.431	0.688
	LTE B5	0.257	

Note:

1. 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

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



12.2 Body-worn and Hotspot SAR

Band	Model	Test Position	Freq.	SAR (1g) (W/kg)	Power Drift (%)	Max. Turn-up Power (dBm)	Meas. Output Power (dBm)	Scaling Factor	Scaled SAR (W/Kg)	Meas. No.
GSM850	GPRS Data-4 Slot	Front Side	848.8	0.340	1.00	29.00	28.74	1.062	0.361	/
		Back Side	848.8	0.393	-1.86	29.00	28.74	1.062	0.417	/
		Left Side	848.8	0.457	-3.83	29.00	28.74	1.062	0.485	/
		Right Side	848.8	0.248	0.75	29.00	28.74	1.062	0.263	/
		Top Side	848.8	0.068	-3.57	29.00	28.74	1.062	0.072	/
		Bottom Side	824.2	0.802	1.53	29.00	28.25	1.189	0.953	/
		Bottom Side	836.6	0.845	3.48	29.00	28.54	1.112	0.939	/
		Bottom Side	848.8	0.908	-1.89	29.00	28.74	1.062	0.964	2
PCS 1900	GPRS Data-4 Slot	Front Side	1880	0.054	-3.54	28.00	27.87	1.030	0.056	/
		Back Side	1880	0.063	-1.20	28.00	27.87	1.030	0.065	/
		Left Side	1880	0.076	-3.21	28.00	27.87	1.030	0.078	/
		Right Side	1880	0.041	-2.82	28.00	27.87	1.030	0.042	/
		Bottom Side	1880	0.146	3.45	28.00	27.87	1.030	0.150	4
WCDMA Band II	RMC	Front Side	1880	0.155	3.55	24.50	24.33	1.040	0.161	/
		Back Side	1880	0.073	3.64	24.50	24.33	1.040	0.076	/
		Left Side	1880	0.091	0.83	24.50	24.33	1.040	0.095	/
		Right Side	1880	0.050	3.89	24.50	24.33	1.040	0.052	/
		Bottom Side	1880	0.177	-0.96	24.50	24.33	1.040	0.184	6
WCDMA Band IV	RMC	Front Side	1712.6	0.192	-0.63	24.50	24.21	1.069	0.205	/
		Back Side	1712.6	0.219	1.80	24.50	24.21	1.069	0.234	/
		Left Side	1712.6	0.258	-0.63	24.50	24.21	1.069	0.276	/
		Right Side	1712.6	0.142	0.04	24.50	24.21	1.069	0.152	/
		Bottom Side	1712.6	0.510	2.24	24.50	24.21	1.069	0.545	8
WCDMA Band V	RMC	Front Side	846.6	0.291	-2.02	24.00	23.79	1.050	0.305	/
		Back Side	846.6	0.401	3.29	24.00	23.79	1.050	0.421	/
		Left Side	846.6	0.454	-1.90	24.00	23.79	1.050	0.476	/
		Right Side	846.6	0.256	0.66	24.00	23.79	1.050	0.269	/
		Bottom Side	826.4	0.823	0.05	24.00	23.55	1.109	0.913	/
		Bottom Side	836.4	0.867	-2.95	24.00	23.60	1.096	0.951	/
		Bottom Side	846.6	0.923	1.16	24.00	23.79	1.050	0.969	10
2.4GHz WLAN ANT 1	802.11ac-VHT40	Front Side	2422	0.021	0.65	15.50	15.41	1.021	0.021	/
		Back Side	2422	0.072	-1.59	15.50	15.41	1.021	0.074	/
		Left Side	2422	0.093	1.13	15.50	15.41	1.021	0.095	12
		Right Side	2422	0.019	1.64	15.50	15.41	1.021	0.019	/
		Top Side	2422	0.079	2.69	15.50	15.41	1.021	0.081	/
		Bottom Side	2422	0.016	3.84	15.50	15.41	1.021	0.016	/
2.4GHz WLAN ANT 2	802.11b	Front Side	2462	0.037	0.66	17.50	17.34	1.038	0.038	/
		Back Side	2462	0.057	3.28	17.50	17.34	1.038	0.059	/
		Left Side	2462	0.010	2.02	17.50	17.34	1.038	0.010	/
		Right Side	2462	0.028	0.62	17.50	17.34	1.038	0.029	/
		Top Side	2462	0.073	0.51	17.50	17.34	1.038	0.076	14
		Bottom Side	2462	0.013	2.18	17.50	17.34	1.038	0.013	/
2.4GHz WLAN MIMO 1	802.11ac-VHT40	Front Side	2422	0.032	3.08	15.10	14.98	1.028	0.033	/
		Back Side	2422	0.048	1.02	15.10	14.98	1.028	0.049	/
		Left Side	2422	0.025	0.64	15.10	14.98	1.028	0.026	/
		Right Side	2422	0.013	1.04	15.10	14.98	1.028	0.013	/
		Top Side	2422	0.064	2.57	15.10	14.98	1.028	0.066	16
		Bottom Side	2422	0.008	-3.14	15.10	14.98	1.028	0.008	/
	802.11ac-VHT40	Front Side	2422	0.049	3.02	15.10	14.98	1.028	0.050	/
		Back Side	2422	0.081	-1.91	15.10	14.98	1.028	0.083	/



2.4GHz WLAN MIMO 2		Left Side	2422	0.026	3.85	15.10	14.98	1.028	0.027	/
		Right Side	2422	0.053	1.95	15.10	14.98	1.028	0.054	/
		Top Side	2422	0.159	0.98	15.10	14.98	1.028	0.163	18
		Bottom Side	2422	0.023	-0.68	15.10	14.98	1.028	0.024	/
5.2GHz WLAN ANT 1	802.11a	Front Side	5200	0.032	2.60	13.00	12.79	1.050	0.034	/
		Back Side	5200	0.082	-1.18	13.00	12.79	1.050	0.086	/
		Left Side	5200	0.098	2.92	13.00	12.79	1.050	0.103	20
		Right Side	5200	0.023	-2.34	13.00	12.79	1.050	0.024	/
		Top Side	5200	0.089	0.34	13.00	12.79	1.050	0.093	/
		Bottom Side	5200	0.013	3.46	13.00	12.79	1.050	0.014	/
5.2GHz WLAN ANT 2	802.11a	Front Side	5180	0.051	-1.54	15.10	14.96	1.033	0.053	/
		Back Side	5180	0.073	1.35	15.10	14.96	1.033	0.075	/
		Left Side	5180	0.015	3.37	15.10	14.96	1.033	0.015	/
		Right Side	5180	0.033	3.79	15.10	14.96	1.033	0.034	/
		Top Side	5180	0.099	3.60	15.10	14.96	1.033	0.102	22
		Bottom Side	5180	0.013	2.85	15.10	14.96	1.033	0.013	/
5.2GHz WLAN MIMO 1	802.11ac- VHT40	Front Side	5230	0.028	3.61	14.50	14.28	1.052	0.029	/
		Back Side	5230	0.040	-1.93	14.50	14.28	1.052	0.042	/
		Left Side	5230	0.018	3.81	14.50	14.28	1.052	0.019	/
		Right Side	5230	0.012	0.67	14.50	14.28	1.052	0.013	/
		Top Side	5230	0.050	1.50	14.50	14.28	1.052	0.053	24
		Bottom Side	5230	0.010	-0.22	14.50	14.28	1.052	0.011	/
5.2GHz WLAN MIMO 2	802.11ac- VHT40	Front Side	5230	0.214	0.49	14.50	14.28	1.052	0.225	/
		Back Side	5230	0.313	3.25	14.50	14.28	1.052	0.329	/
		Left Side	5230	0.063	-3.00	14.50	14.28	1.052	0.066	/
		Right Side	5230	0.144	-2.40	14.50	14.28	1.052	0.151	/
		Top Side	5230	0.328	3.95	14.50	14.28	1.052	0.345	26
		Bottom Side	5230	0.055	-0.13	14.50	14.28	1.052	0.058	/
5.3GHz WLAN ANT 1	802.11a	Front Side	5260	0.031	-3.56	12.50	12.28	1.052	0.033	/
		Back Side	5260	0.078	0.40	12.50	12.28	1.052	0.082	/
		Left Side	5260	0.094	3.57	12.50	12.28	1.052	0.099	28
		Right Side	5260	0.020	-2.40	12.50	12.28	1.052	0.021	/
		Top Side	5260	0.083	-0.65	12.50	12.28	1.052	0.087	/
		Bottom Side	5260	0.013	-1.89	12.50	12.28	1.052	0.014	/
5.3GHz WLAN ANT 2	802.11a	Front Side	5300	0.103	-0.59	15.80	15.65	1.035	0.107	/
		Back Side	5300	0.156	1.98	15.80	15.65	1.035	0.161	/
		Left Side	5300	0.031	3.15	15.80	15.65	1.035	0.032	/
		Right Side	5300	0.071	-1.62	15.80	15.65	1.035	0.073	/
		Top Side	5300	0.207	-2.29	15.80	15.65	1.035	0.214	30
		Bottom Side	5300	0.029	-0.18	15.80	15.65	1.035	0.030	/
5.3GHz WLAN MIMO 1	802.11ac- VHT20	Front Side	5260	0.074	2.97	14.00	13.81	1.045	0.077	/
		Back Side	5260	0.111	0.70	14.00	13.81	1.045	0.116	/
		Left Side	5260	0.053	3.72	14.00	13.81	1.045	0.055	/
		Right Side	5260	0.027	1.18	14.00	13.81	1.045	0.028	/
		Top Side	5260	0.118	-0.27	14.00	13.81	1.045	0.123	32
		Bottom Side	5260	0.021	-1.54	14.00	13.81	1.045	0.022	/
5.3GHz WLAN MIMO 2	802.11ac- VHT20	Front Side	5260	0.224	1.03	14.00	13.81	1.045	0.234	/
		Back Side	5260	0.257	1.53	14.00	13.81	1.045	0.268	/
		Left Side	5260	0.065	2.07	14.00	13.81	1.045	0.068	/
		Right Side	5260	0.149	3.47	14.00	13.81	1.045	0.156	/
		Top Side	5260	0.272	-1.92	14.00	13.81	1.045	0.284	34
		Bottom Side	5260	0.061	2.04	14.00	13.81	1.045	0.064	/
5.6GHz WLAN ANT 1	802.11a	Front Side	5700	0.012	0.71	11.80	11.60	1.047	0.013	/
		Back Side	5700	0.029	2.72	11.80	11.60	1.047	0.030	/
		Left Side	5700	0.032	3.67	11.80	11.60	1.047	0.034	36
		Right Side	5700	0.009	-3.92	11.80	11.60	1.047	0.009	/



		Top Side	5700	0.027	1.61	11.80	11.60	1.047	0.028	/
		Bottom Side	5700	0.004	-3.97	11.80	11.60	1.047	0.004	/
5.6GHz WLAN ANT 2	802.11a	Front Side	5500	0.139	3.83	16.20	16.06	1.033	0.144	/
		Back Side	5500	0.202	-2.77	16.20	16.06	1.033	0.209	/
		Left Side	5500	0.041	0.18	16.20	16.06	1.033	0.042	/
		Right Side	5500	0.095	0.63	16.20	16.06	1.033	0.098	/
		Top Side	5500	0.277	-0.87	16.20	16.06	1.033	0.286	38
		Bottom Side	5500	0.038	-3.52	16.20	16.06	1.033	0.039	/
		Front Side	5550	0.085	2.80	13.60	13.48	1.028	0.087	/
		Back Side	5550	0.124	-0.30	13.60	13.48	1.028	0.127	/
5.6GHz WLAN MIMO 1	802.11n- HT40	Left Side	5550	0.060	-0.11	13.60	13.48	1.028	0.062	/
		Right Side	5550	0.030	0.28	13.60	13.48	1.028	0.031	/
		Top Side	5550	0.169	2.52	13.60	13.48	1.028	0.174	40
		Bottom Side	5550	0.022	2.68	13.60	13.48	1.028	0.023	/
		Front Side	5550	0.053	3.59	13.60	13.48	1.028	0.054	/
		Back Side	5550	0.081	-3.26	13.60	13.48	1.028	0.083	/
5.6GHz WLAN MIMO 2	802.11n- HT40	Left Side	5550	0.019	3.33	13.60	13.48	1.028	0.020	/
		Right Side	5550	0.035	1.68	13.60	13.48	1.028	0.036	/
		Top Side	5550	0.106	-1.80	13.60	13.48	1.028	0.109	42
		Bottom Side	5550	0.016	-2.80	13.60	13.48	1.028	0.016	/
		Front Side	5745	0.028	2.03	12.00	11.80	1.047	0.029	/
		Back Side	5745	0.063	3.71	12.00	11.80	1.047	0.066	/
5.8GHz WLAN ANT 1	802.11a	Left Side	5745	0.079	-1.33	12.00	11.80	1.047	0.083	/
		Right Side	5745	0.020	-1.04	12.00	11.80	1.047	0.021	/
		Top Side	5745	0.138	-1.46	12.00	11.80	1.047	0.145	44
		Bottom Side	5745	0.012	-2.54	12.00	11.80	1.047	0.013	/
		Front Side	5745	0.134	-3.70	15.80	15.63	1.040	0.139	/
		Back Side	5745	0.191	2.76	15.80	15.63	1.040	0.199	/
5.8GHz WLAN ANT 2	802.11a	Left Side	5745	0.039	-3.53	15.80	15.63	1.040	0.041	/
		Right Side	5745	0.087	-0.80	15.80	15.63	1.040	0.090	/
		Top Side	5745	0.262	-0.22	15.80	15.63	1.040	0.272	46
		Bottom Side	5745	0.036	-3.95	15.80	15.63	1.040	0.037	/
		Front Side	5745	0.045	1.33	13.20	12.99	1.050	0.047	/
		Back Side	5745	0.060	3.73	13.20	12.99	1.050	0.063	/
5.8GHz WLAN MIMO 1	802.11ax- HE20	Left Side	5745	0.028	3.55	13.20	12.99	1.050	0.029	/
		Right Side	5745	0.017	0.04	13.20	12.99	1.050	0.018	/
		Top Side	5745	0.082	-2.25	13.20	12.99	1.050	0.086	48
		Bottom Side	5745	0.013	-1.53	13.20	12.99	1.050	0.014	/
		Front Side	5745	0.065	3.06	13.20	12.99	1.050	0.068	/
		Back Side	5745	0.096	-0.18	13.20	12.99	1.050	0.101	/
5.8GHz WLAN MIMO 2	802.11ax- HE20	Left Side	5745	0.019	2.20	13.20	12.99	1.050	0.020	/
		Right Side	5745	0.046	-0.08	13.20	12.99	1.050	0.048	/
		Top Side	5745	0.127	-3.65	13.20	12.99	1.050	0.133	50
		Bottom Side	5745	0.018	1.17	13.20	12.99	1.050	0.019	/

Band	Mode	Max SAR	WIFI MIMO
		(W/Kg)	
2.4G WLAN	802.11ac-VHT40	0.066	0.229
	802.11ac-VHT40	0.163	
5.2G WLAN	802.11ac-VHT40	0.053	0.398
	802.11ac-VHT40	0.345	
5.3G WLAN	802.11ac-VHT20	0.123	0.407
	802.11ac-VHT20	0.284	
5.6G WLAN	802.11n-HT40	0.174	0.283



	802.11n-HT40	0.109	
5.8G WLAN	802.11ax-HE20	0.086	0.219
	802.11ax-HE20	0.133	

Band	BW (MHz)	Mod.	RB Size	RB offset	Test Position	Freq.	Result 1g (W/Kg)	Power Drift (%)	Max. Turn-up Power(dBm)	Meas. Output Power(dBm)	Scaling Factor	Scaled SAR (W/Kg)	Meas. No.
LTE Band 2	20M	QPSK	1	0	Front side	1880	0.078	-0.48	25.30	25.07	1.054	0.082	/
			50	24	Front side	1880	0.061	3.32	24.20	23.99	1.050	0.064	/
			1	0	Back Side	1880	0.089	1.42	25.30	25.07	1.054	0.094	/
			50	24	Back Side	1880	0.073	0.53	24.20	23.99	1.050	0.077	/
			1	0	Left Side	1880	0.106	-1.36	25.30	25.07	1.054	0.112	/
			50	24	Left Side	1880	0.086	0.55	24.20	23.99	1.050	0.090	/
			1	0	Right Side	1880	0.055	-2.10	25.30	25.07	1.054	0.058	/
			50	24	Right Side	1880	0.043	3.94	24.20	23.99	1.050	0.045	/
			1	0	Bottom Side	1880	0.203	0.90	25.30	25.07	1.054	0.214	52
			50	24	Bottom Side	1880	0.162	3.39	24.20	23.99	1.050	0.170	/
LTE Band 4	20M	QPSK	1	49	Front side	1720	0.262	-0.59	25.20	25.06	1.033	0.271	/
			50	0	Front side	1720	0.211	-2.98	24.20	24.00	1.047	0.221	/
			1	49	Back Side	1720	0.302	-2.94	25.20	25.06	1.033	0.312	/
			50	0	Back Side	1720	0.246	1.66	24.20	24.00	1.047	0.258	/
			1	49	Left Side	1720	0.354	-2.32	25.20	25.06	1.033	0.366	/
			50	0	Left Side	1720	0.283	-1.09	24.20	24.00	1.047	0.296	/
			1	49	Right Side	1720	0.190	-0.23	25.20	25.06	1.033	0.196	/
			50	0	Right Side	1720	0.155	2.24	24.20	24.00	1.047	0.162	/
			1	49	Bottom Side	1720	0.701	1.45	25.20	25.06	1.033	0.724	54
			50	0	Bottom Side	1720	0.563	3.72	24.20	24.00	1.047	0.590	/
LTE Band 5	10M	QPSK	1	49	Front side	844	0.183	1.29	22.80	22.54	1.062	0.194	/
			25	24	Front side	844	0.146	-3.74	21.50	21.36	1.033	0.151	/
			1	49	Back Side	844	0.212	-2.73	22.80	22.54	1.062	0.225	/
			25	24	Back Side	844	0.165	2.76	21.50	21.36	1.033	0.170	/
			1	49	Left Side	844	0.245	0.97	22.80	22.54	1.062	0.260	/
			25	24	Left Side	844	0.195	1.50	21.50	21.36	1.033	0.201	/
			1	49	Right Side	844	0.133	-3.76	22.80	22.54	1.062	0.141	/
			25	24	Right Side	844	0.106	0.58	21.50	21.36	1.033	0.109	/
			1	49	Bottom Side	844	0.484	3.05	22.80	22.54	1.062	0.514	56



			25	24	Bottom Side	844	0.378	3.30	21.50	21.36	1.033	0.390	/
LTE Band 7	20M	QPSK	1	0	Front side	2510	0.577	3.60	24.60	24.42	1.042	0.601	/
			50	49	Front side	2510	0.449	-1.61	22.50	23.28	0.836	0.375	/
			1	0	Back Side	2510	0.755	-3.62	24.60	24.42	1.042	0.787	58
			50	49	Back Side	2510	0.589	0.60	22.50	23.28	0.836	0.492	/
			1	0	Left Side	2510	0.340	-3.52	24.60	24.42	1.042	0.354	/
			50	49	Left Side	2510	0.264	1.87	22.50	23.28	0.836	0.221	/
			1	0	Right Side	2510	0.240	-1.89	24.60	24.42	1.042	0.250	/
			50	49	Right Side	2510	0.190	-1.02	22.50	23.28	0.836	0.159	/
			1	0	Top Side	2510	0.628	-0.28	24.60	24.42	1.042	0.655	/
			50	49	Top Side	2510	0.493	-1.85	22.50	23.28	0.836	0.412	/
LTE Band 12	10M	QPSK	1	24	Front side	704	0.070	1.25	24.00	23.85	1.035	0.072	/
			25	0	Front side	704	0.058	-0.26	23.00	22.70	1.072	0.062	/
			1	24	Back Side	704	0.078	1.04	24.00	23.85	1.035	0.081	/
			25	0	Back Side	704	0.061	1.19	23.00	22.70	1.072	0.065	/
			1	24	Left Side	704	0.091	1.25	24.00	23.85	1.035	0.094	/
			25	0	Left Side	704	0.071	-2.42	23.00	22.70	1.072	0.076	/
			1	24	Right Side	704	0.047	-0.40	24.00	23.85	1.035	0.049	/
			25	0	Right Side	704	0.037	2.83	23.00	22.70	1.072	0.040	/
			1	24	Bottom Side	704	0.179	-3.96	24.00	23.85	1.035	0.185	60
			25	0	Bottom Side	704	0.144	-0.55	23.00	22.70	1.072	0.154	/
LTE Band 13	10M	QPSK	1	24	Front side	782	0.221	-3.14	24.00	23.79	1.050	0.232	/
			25	12	Front side	782	0.179	3.90	23.00	22.65	1.084	0.194	/
			1	24	Back Side	782	0.256	1.99	24.00	23.79	1.050	0.269	/
			25	12	Back Side	782	0.206	0.70	23.00	22.65	1.084	0.223	/
			1	24	Left Side	782	0.296	-0.70	24.00	23.79	1.050	0.311	/
			25	12	Left Side	782	0.237	3.10	23.00	22.65	1.084	0.257	/
			1	24	Right Side	782	0.161	1.84	24.00	23.79	1.050	0.169	/
			25	12	Right Side	782	0.132	-3.49	23.00	22.65	1.084	0.143	/
			1	24	Bottom Side	782	0.587	-0.10	24.00	23.79	1.050	0.616	62
			25	12	Bottom Side	782	0.471	0.32	23.00	22.65	1.084	0.511	/
LTE Band 17	10M	QPSK	1	24	Front side	709	0.070	3.85	24.00	23.87	1.030	0.072	/
			25	0	Front side	710	0.060	-0.72	23.00	22.75	1.059	0.064	/



			1	24	Back Side	709	0.082	-1.30	24.00	23.87	1.030	0.084	/
			25	0	Back Side	710	0.068	1.44	23.00	22.75	1.059	0.072	/
			1	24	Left Side	709	0.096	1.13	24.00	23.87	1.030	0.099	/
			25	0	Left Side	710	0.078	3.84	23.00	22.75	1.059	0.083	/
			1	24	Right Side	709	0.053	3.37	24.00	23.87	1.030	0.055	/
			25	0	Right Side	710	0.044	2.26	23.00	22.75	1.059	0.047	/
			1	24	Bottom Side	709	0.185	-0.19	24.00	23.87	1.030	0.191	64
			25	0	Bottom Side	710	0.148	-1.17	23.00	22.75	1.059	0.157	/
LTE Band 25	20M	QPSK	1	99	Front side	1905	0.054	0.29	24.90	24.61	1.069	0.058	/
			50	24	Front side	1905	0.045	-2.55	23.60	23.46	1.033	0.046	/
			1	99	Back Side	1905	0.061	-1.89	24.90	24.61	1.069	0.065	/
			50	24	Back Side	1905	0.049	-1.62	23.60	23.46	1.033	0.051	/
			1	99	Left Side	1905	0.071	-0.84	24.90	24.61	1.069	0.076	/
			50	24	Left Side	1905	0.057	0.27	23.60	23.46	1.033	0.059	/
			1	99	Right Side	1905	0.035	0.90	24.90	24.61	1.069	0.037	/
			50	24	Right Side	1905	0.029	2.07	23.60	23.46	1.033	0.030	/
			1	99	Bottom Side	1905	0.137	2.15	24.90	24.61	1.069	0.146	66
			50	24	Bottom Side	1905	0.108	0.03	23.60	23.46	1.033	0.112	/
LTE Band 26	15M	QPSK	1	0	Front side	844	0.356	-3.44	24.00	23.95	1.012	0.360	/
			36	12	Front side	844	0.280	-0.14	23.00	22.73	1.064	0.298	/
			1	0	Back Side	844	0.413	0.07	24.00	23.95	1.012	0.418	/
			36	12	Back Side	844	0.323	-0.65	23.00	22.73	1.064	0.344	/
			1	0	Left Side	844	0.481	-1.47	24.00	23.95	1.012	0.487	/
			36	12	Left Side	844	0.375	3.89	23.00	22.73	1.064	0.399	/
			1	0	Right Side	844	0.258	3.39	24.00	23.95	1.012	0.261	/
			36	12	Right Side	844	0.202	-1.61	23.00	22.73	1.064	0.215	/
			1	0	Bottom Side	829	0.868	0.76	24.00	23.75	1.059	0.919	/
			1	0	Bottom Side	836.5	0.917	-2.39	24.00	23.90	1.023	0.938	/
			1	0	Bottom Side	844	0.953	3.32	24.00	23.95	1.012	0.964	68
			36	12	Bottom Side	844	0.746	-2.26	23.00	22.73	1.064	0.794	/
LTE Band 38	20M	QPSK	1	0	Front side	2610	0.113	1.33	24.50	24.24	1.062	0.120	/
			50	0	Front side	2610	0.088	-0.01	23.30	23.14	1.038	0.091	/
			1	0	Back Side	2580	0.658	-3.02	23.80	23.55	1.059	0.697	/



			1	0	Back Side	2595	0.733	1.58	24.20	24.01	1.045	0.766	/
			1	0	Back Side	2610	0.786	-2.94	24.50	24.24	1.062	0.834	70
			50	0	Back Side	2610	0.615	-3.87	23.30	23.14	1.038	0.638	/
			1	0	Left Side	2610	0.356	3.19	24.50	24.24	1.062	0.378	/
			50	0	Left Side	2610	0.279	0.12	23.30	23.14	1.038	0.289	/
			1	0	Right Side	2610	0.116	2.53	24.50	24.24	1.062	0.123	/
			50	0	Right Side	2610	0.092	0.94	23.30	23.14	1.038	0.095	/
			1	0	Top Side	2610	0.655	1.34	24.50	24.24	1.062	0.695	/
			50	0	Top Side	2610	0.513	0.50	23.30	23.14	1.038	0.532	/
LTE Band 40	10M	QPSK	1	24	Front side	2350	0.089	-2.73	18.50	18.35	1.035	0.092	/
			50	24	Front side	2350	0.072	3.30	17.50	17.25	1.059	0.076	/
			1	24	Back Side	2350	0.112	-1.32	18.50	18.35	1.035	0.116	72
			50	24	Back Side	2350	0.090	-1.34	17.50	17.25	1.059	0.095	/
			1	24	Left Side	2350	0.053	-0.20	18.50	18.35	1.035	0.055	/
			50	24	Left Side	2350	0.045	-0.43	17.50	17.25	1.059	0.048	/
			1	24	Right Side	2350	0.035	-1.65	18.50	18.35	1.035	0.036	/
			50	24	Right Side	2350	0.028	1.97	17.50	17.25	1.059	0.030	/
			1	24	Top Side	2350	0.096	3.10	18.50	18.35	1.035	0.099	/
			50	24	Top Side	2350	0.076	2.78	17.50	17.25	1.059	0.081	/
LTE Band 41	20M	QPSK	1	0	Front side	2506	0.436	-2.32	24.50	24.29	1.050	0.458	/
			50	0	Front side	2680	0.373	-0.89	24.20	24.01	1.045	0.390	/
			1	0	Back Side	2506	0.574	1.48	24.50	24.29	1.050	0.602	74
			50	0	Back Side	2680	0.487	1.78	24.20	24.01	1.045	0.509	/
			1	0	Left Side	2506	0.260	-1.99	24.50	24.29	1.050	0.273	/
			50	0	Left Side	2680	0.221	2.52	24.20	24.01	1.045	0.231	/
			1	0	Right Side	2506	0.182	-2.70	24.50	24.29	1.050	0.191	/
			50	0	Right Side	2680	0.156	0.87	24.20	24.01	1.045	0.163	/
			1	0	Top Side	2506	0.477	-3.69	24.50	24.29	1.050	0.501	/
			50	0	Top Side	2680	0.405	-2.73	24.20	24.01	1.045	0.423	/
LTE Band 66	20M	QPSK	1	49	Front side	1720	0.192	3.20	24.50	24.35	1.035	0.199	/
			50	0	Front side	1720	0.152	-0.02	23.30	23.16	1.033	0.157	/
			1	49	Back Side	1720	0.228	1.83	24.50	24.35	1.035	0.236	/
			50	0	Back Side	1720	0.180	1.95	23.30	23.16	1.033	0.186	/



			1	49	Left Side	1720	0.262	2.26	24.50	24.35	1.035	0.271	/
			50	0	Left Side	1720	0.204	-1.48	23.30	23.16	1.033	0.211	/
			1	49	Right Side	1720	0.142	1.84	24.50	24.35	1.035	0.147	/
			50	0	Right Side	1720	0.111	2.18	23.30	23.16	1.033	0.115	/
			1	49	Bottom Side	1720	0.519	3.32	24.50	24.35	1.035	0.537	76
			50	0	Bottom Side	1720	0.405	2.18	23.30	23.16	1.033	0.418	/
SA N2	20M	DFT_QPSK	1	104	Front side	1880	0.110	-3.61	24.00	23.78	1.052	0.116	/
			50	25	Front side	1860	0.131	0.34	24.10	23.90	1.047	0.137	/
			1	104	Back Side	1880	0.052	3.62	24.00	23.78	1.052	0.055	/
			50	25	Back Side	1860	0.058	-0.70	24.10	23.90	1.047	0.061	/
			1	104	Left Side	1880	0.146	1.15	24.00	23.78	1.052	0.154	/
			50	25	Left Side	1860	0.171	-2.50	24.10	23.90	1.047	0.179	/
			1	104	Right Side	1880	0.084	-3.39	24.00	23.78	1.052	0.088	/
			50	25	Right Side	1860	0.097	0.57	24.10	23.90	1.047	0.102	/
			1	104	Bottom Side	1880	0.292	-3.70	24.00	23.78	1.052	0.307	/
			50	25	Bottom Side	1860	0.343	-1.07	24.10	23.90	1.047	0.359	78
SA N5	20M	DFT_BPSK	1	104	Front side	839	0.303	2.99	23.50	23.25	1.059	0.321	/
			50	25	Front side	834	0.355	0.04	23.50	23.34	1.038	0.368	/
			1	104	Back Side	839	0.350	0.88	23.50	23.25	1.059	0.371	/
			50	25	Back Side	834	0.412	-3.33	23.50	23.34	1.038	0.427	/
			1	104	Left Side	839	0.409	-3.28	23.50	23.25	1.059	0.433	/
			50	25	Left Side	834	0.478	-1.09	23.50	23.34	1.038	0.496	/
			1	104	Right Side	839	0.222	-0.07	23.50	23.25	1.059	0.235	/
			50	25	Right Side	834	0.261	-3.93	23.50	23.34	1.038	0.271	/
			1	104	Bottom Side	834	0.720	-3.89	23.50	23.11	1.094	0.788	/
			1	104	Bottom Side	836.5	0.786	2.89	23.50	23.21	1.069	0.840	/
			1	104	Bottom Side	839	0.812	2.37	23.50	23.25	1.059	0.860	/
			50	25	Bottom Side	834	0.954	-0.07	23.50	23.34	1.038	0.990	80
			50	25	Bottom Side	836.5	0.915	1.94	23.50	23.32	1.042	0.954	/
			50	25	Bottom Side	839	0.830	2.63	23.50	23.29	1.050	0.871	/
			100	0	Bottom Side	834	0.734	-3.53	23.00	22.85	1.035	0.760	/
			100	0	Bottom Side	836.5	0.668	-3.98	23.00	22.64	1.086	0.726	/
			100	0	Bottom Side	839	0.723	3.73	23.00	22.71	1.069	0.773	/



SA N7	20M	DFT_QPSK	1	1	Front side	2510	0.508	3.91	23.60	23.47	1.030	0.523	/
			50	25	Front side	2510	0.398	0.80	22.60	22.47	1.030	0.410	/
			1	1	Back Side	2510	0.667	-0.43	23.60	23.47	1.030	0.687	82
			50	25	Back Side	2510	0.524	-3.12	22.60	22.47	1.030	0.540	/
			1	1	Left Side	2510	0.304	-2.77	23.60	23.47	1.030	0.313	/
			50	25	Left Side	2510	0.238	1.70	22.60	22.47	1.030	0.245	/
			1	1	Right Side	2510	0.215	1.14	23.60	23.47	1.030	0.222	/
			50	25	Right Side	2510	0.171	1.31	22.60	22.47	1.030	0.176	/
			1	1	Top Side	2510	0.556	0.57	23.60	23.47	1.030	0.573	/
			50	25	Top Side	2510	0.433	-0.42	22.60	22.47	1.030	0.446	/
SA N25	20M	DFT_QPSK	1	0	Front side	1882.5	0.041	1.08	23.90	23.71	1.045	0.043	/
			50	25	Front side	1882.5	0.050	2.17	24.00	23.82	1.042	0.052	/
			1	0	Back Side	1882.5	0.049	1.79	23.90	23.71	1.045	0.051	/
			50	25	Back Side	1882.5	0.056	-1.74	24.00	23.82	1.042	0.058	/
			1	0	Left Side	1882.5	0.056	-0.64	23.90	23.71	1.045	0.059	/
			50	25	Left Side	1882.5	0.064	-3.21	24.00	23.82	1.042	0.067	/
			1	0	Right Side	1882.5	0.033	2.15	23.90	23.71	1.045	0.034	/
			50	25	Right Side	1882.5	0.038	1.80	24.00	23.82	1.042	0.040	/
			1	0	Bottom Side	1882.5	0.112	-2.82	23.90	23.71	1.045	0.117	/
			50	25	Bottom Side	1882.5	0.127	-0.45	24.00	23.82	1.042	0.132	84
SA N38	40M	DFT_QPSK	1	104	Front side	2590	0.535	3.89	23.60	23.49	1.026	0.549	/
			50	25	Front side	2600	0.630	2.95	24.10	23.97	1.030	0.649	/
			1	104	Back Side	2590	0.699	3.25	23.60	23.49	1.026	0.717	/
			50	25	Back Side	2590	0.722	-0.47	24.10	23.87	1.054	0.761	/
			50	25	Back Side	2595	0.769	-2.68	24.10	23.94	1.038	0.798	/
			50	25	Back Side	2600	0.825	0.74	24.10	23.97	1.030	0.850	86
			100	0	Back Side	2600	0.612	-0.08	23.00	22.75	1.059	0.648	/
			1	104	Left Side	2590	0.320	-3.52	23.60	23.49	1.026	0.328	/
			50	25	Left Side	2600	0.375	3.67	24.10	23.97	1.030	0.386	/
			1	104	Right Side	2590	0.225	2.93	23.60	23.49	1.026	0.231	/
			50	25	Right Side	2600	0.264	0.63	24.10	23.97	1.030	0.272	/
			1	104	Top Side	2590	0.585	0.87	23.60	23.49	1.026	0.600	/
			50	25	Top Side	2600	0.686	0.42	24.10	23.97	1.030	0.707	/



SA N41	100M	DFT_ BPSK	1	271	Front side	2680	0.539	2.09	23.50	23.20	1.072	0.578	/
			135	67	Front side	2680	0.635	0.48	24.30	24.01	1.069	0.679	/
			1	271	Back Side	2680	0.707	-2.31	23.50	23.20	1.072	0.758	/
			135	67	Back Side	2506	0.673	2.74	24.30	23.64	1.164	0.783	/
			135	67	Back Side	2593	0.689	2.01	24.30	23.78	1.127	0.777	/
			135	67	Back Side	2680	0.743	-2.86	24.30	24.01	1.069	0.794	88
			270	0	Back Side	2680	0.651	-3.57	23.50	23.33	1.040	0.677	/
			1	271	Left Side	2680	0.322	3.85	23.50	23.20	1.072	0.345	/
			135	67	Left Side	2680	0.377	-2.33	24.30	24.01	1.069	0.403	/
			1	271	Right Side	2680	0.229	-2.91	23.50	23.20	1.072	0.245	/
			135	67	Right Side	2680	0.266	-1.49	24.30	24.01	1.069	0.284	/
			1	271	Top Side	2680	0.589	3.20	23.50	23.20	1.072	0.631	/
			135	67	Top Side	2680	0.693	3.11	24.30	24.01	1.069	0.741	/
			1	271	Bottom Side	2680	0.040	-3.29	23.50	23.20	1.072	0.043	/
			135	67	Bottom Side	2680	0.047	-0.50	24.30	24.01	1.069	0.050	/
SA N77	100M	DFT_ BPSK	1	0	Front side	3500	0.091	0.44	22.90	22.60	1.072	0.098	/
			135	67	Front side	3500	0.106	2.57	23.80	23.51	1.069	0.113	/
			1	0	Back Side	3500	0.109	2.30	22.90	22.60	1.072	0.117	/
			135	67	Back Side	3500	0.124	1.74	23.80	23.51	1.069	0.133	/
			1	0	Right Side	3500	0.021	-2.49	22.90	22.60	1.072	0.023	/
			135	67	Right Side	3500	0.027	-0.81	23.80	23.51	1.069	0.029	/
			1	0	Top Side	3500	0.070	2.68	22.90	22.60	1.072	0.075	/
			135	67	Top Side	3500	0.078	-2.36	23.80	23.51	1.069	0.083	/
SA N78	100M	DFT_ QPSK	1	0	Front side	3500	0.460	-0.62	23.00	22.71	1.069	0.492	/
			135	67	Front side	3500	0.542	3.12	23.80	23.57	1.054	0.571	/
			1	0	Back Side	3500	0.261	2.45	23.00	22.71	1.069	0.279	/
			135	67	Back Side	3500	0.308	2.07	23.80	23.57	1.054	0.325	/
			1	0	Right Side	3500	0.144	-1.78	23.00	22.71	1.069	0.154	/
			135	67	Right Side	3500	0.167	-1.13	23.80	23.57	1.054	0.176	/
			1	0	Top Side	3500	0.367	-3.09	23.00	22.71	1.069	0.392	/
			135	67	Top Side	3500	0.428	3.10	23.80	23.57	1.054	0.451	/



NSA

Band	BW (MHz)	Mod.	RB Size	RB offset	Test Position	Freq.	Result 1g (W/Kg)	Power Drift (%)	Max. Turn-up Power(dBm)	Meas. Output Power (dBm)	Scaling Factor	Scaled SAR (W/Kg)	Meas. No.
SA N41	100M	DFT_BPSK	1	271	Front side	2680	0.539	2.09	23.50	23.20	1.072	0.578	/
			135	67	Front side	2680	0.635	0.48	24.30	24.01	1.069	0.679	/
			1	271	Back Side	2680	0.707	-2.31	23.50	23.20	1.072	0.758	/
			135	67	Back Side	2506	0.673	2.74	24.30	23.64	1.164	0.783	/
			135	67	Back Side	2593	0.689	2.01	24.30	23.78	1.127	0.777	/
			135	67	Back Side	2680	0.743	-2.86	24.30	24.01	1.069	0.794	88
			270	0	Back Side	2680	0.651	-3.57	23.50	23.33	1.040	0.677	/
			1	271	Left Side	2680	0.322	3.85	23.50	23.20	1.072	0.345	/
			135	67	Left Side	2680	0.377	-2.33	24.30	24.01	1.069	0.403	/
			1	271	Right Side	2680	0.229	-2.91	23.50	23.20	1.072	0.245	/
			135	67	Right Side	2680	0.266	-1.49	24.30	24.01	1.069	0.284	/
			1	271	Top Side	2680	0.589	3.20	23.50	23.20	1.072	0.631	/
			135	67	Top Side	2680	0.693	3.11	24.30	24.01	1.069	0.741	/
			1	271	Bottom Side	2680	0.040	-3.29	23.50	23.20	1.072	0.043	/
			135	67	Bottom Side	2680	0.047	-0.50	24.30	24.01	1.069	0.050	/
LTE Band 5	10M	QPSK	1	49	Front side	844	0.183	1.29	22.80	22.54	1.062	0.194	/
			25	24	Front side	844	0.146	-3.74	21.50	21.36	1.033	0.151	/
			1	49	Back Side	844	0.212	-2.73	22.80	22.54	1.062	0.225	/
			25	24	Back Side	844	0.165	2.76	21.50	21.36	1.033	0.170	/
			1	49	Left Side	844	0.245	0.97	22.80	22.54	1.062	0.260	/
			25	24	Left Side	844	0.195	1.50	21.50	21.36	1.033	0.201	/
			1	49	Right Side	844	0.133	-3.76	22.80	22.54	1.062	0.141	/
			25	24	Right Side	844	0.106	0.58	21.50	21.36	1.033	0.109	/
			1	49	Bottom Side	844	0.484	3.05	22.80	22.54	1.062	0.514	56
			25	24	Bottom Side	844	0.378	3.30	21.50	21.36	1.033	0.390	/



Band	Mode	Max SAR	0.000
		(W/Kg)	
NSA N41+B5	SA N41 Back Side	0.794	1.019
	LTE B5 Back Side	0.225	
	SA N41 Bottom Side	0.047	0.561
	LTE B5 Bottom Side	0.514	

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)
GSM 850	GPRS Data-4 Slot	Bottom Side	824.2	0.794	0.68	29.00	28.25	1.189	0.944
		Bottom Side	836.6	0.842	-0.35	29.00	28.54	1.112	0.936
		Bottom Side	848.8	0.893	0.38	29.00	28.74	1.062	0.948
WCDMA Band V	RMC	Bottom Side	826.4	0.805	0.28	24.00	23.55	1.109	0.893
		Bottom Side	836.4	0.848	-3.71	24.00	23.60	1.096	0.930
		Bottom Side	846.6	0.890	-2.81	24.00	23.79	1.050	0.934

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 26	20M	QPSK	1	0	Bottom Side	829	0.827	-1.23	24.00	23.75	1.059	0.876
			1	0	Bottom Side	836.5	0.897	0.11	24.00	23.90	1.023	0.918
			1	0	Bottom Side	844	0.914	3.78	24.00	23.95	1.012	0.925
SA N5	20M	QPSK	1	104	Bottom Side	836.5	0.751	2.74	23.50	23.21	1.069	0.803
			1	104	Bottom Side	839	0.797	3.91	23.50	23.25	1.059	0.844
			50	25	Bottom Side	834	0.942	0.82	23.50	23.34	1.038	0.977
			50	25	Bottom Side	836.5	0.892	-0.43	23.50	23.32	1.042	0.930
			50	25	Bottom Side	839	0.798	0.33	23.50	23.29	1.050	0.838
SA N38	40M	QPSK	50	25	Back Side	2600	0.789	-3.56	24.10	23.97	1.030	0.813



12.4 Repeated SAR measurement

Band	Mode	Test Position	Ch.	Original Measured SAR 1g(W/kg)	1 st Repeated SAR 1g	Ratio
GSM 850	GPRS Data-4 Slot	Bottom Side	824.2	0.802	0.794	1.010
		Bottom Side	836.6	0.845	0.842	1.004
		Bottom Side	848.8	0.908	0.893	1.017
WCDMA Band V	RMC	Bottom Side	826.4	0.823	0.805	1.023
		Bottom Side	836.4	0.867	0.848	1.023
		Bottom Side	846.6	0.923	0.890	1.037

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 26	20M	QPSK	1	0	Bottom Side	829	0.868	0.827	1.049
			1	0	Bottom Side	836.5	0.917	0.897	1.022
			1	0	Bottom Side	844	0.953	0.914	1.043
SA N5	20M	QPSK	1	104	Bottom Side	836.5	0.786	0.751	1.046
			1	104	Bottom Side	839	0.812	0.797	1.019
			50	25	Bottom Side	834	0.954	0.942	1.012
			50	25	Bottom Side	836.5	0.915	0.892	1.025
			50	25	Bottom Side	839	0.830	0.798	1.040
SA N38	40M	QPSK	50	25	Back Side	2600	0.825	0.789	1.046

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.



12.5 Simultaneous Multi-band Transmission Evaluation

Application Simultaneous Transmission information:

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

NOTE:

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

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

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

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

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

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

Estimated SAR		Maximum Turn-up Power		Antenna to user(mm)	Frequency (GHz)	Stand Alone SAR(1g) [W/kg]
		dBm	mW			
BT	Head	4.7	2.951	5	2.44	0.123
	Body			5	2.44	0.123
NFC	Head	-37	0.000200	5	0.01356	0.0000006
	Body			5	0.01356	0.0000006



Simultaneous Mode	Position	Mode	Max. 1-g SAR	1-g Sum SAR
			(W/kg)	(W/kg)
GSM + BT + 2.4G WLAN + NFC	Head	GSM	0.159	0.522
		NFC	0.0000006	
		BT	0.123	
		2.4G WLAN	0.240	
	Body	GSM	0.964	1.316
		NFC	0.0000006	
		BT	0.123	
		2.4G WLAN	0.229	
GSM + BT + 5G WLAN+ NFC	Head	GSM	0.159	0.771
		NFC	0.0000006	
		BT	0.123	
		5G WLAN	0.489	
	Body	GSM	0.964	1.494
		NFC	0.0000006	
		BT	0.123	
		5G WLAN	0.407	
WCDMA + BT + 2.4G WLAN + NFC	Head	WCDMA	0.417	0.780
		NFC	0.0000006	
		BT	0.123	
		2.4G WLAN	0.240	
	Body	WCDMA	0.969	1.321
		NFC	0.0000006	
		BT	0.123	
		2.4G WLAN	0.229	
WCDMA + BT + 5G WLAN+ NFC	Head	WCDMA	0.417	1.029
		NFC	0.0000006	
		BT	0.123	
		5G WLAN	0.489	
	Body	WCDMA	0.969	1.499
		NFC	0.0000006	
		BT	0.123	
		5G WLAN	0.407	
LTE + BT + 2.4G WLAN + NFC	Head	LTE	0.534	0.897
		NFC	0.0000006	
		BT	0.123	
		2.4G WLAN	0.240	
	Body	LTE	0.964	1.316
		NFC	0.0000006	
		BT	0.123	
		2.4G WLAN	0.229	
LTE + BT + 5G WLAN+ NFC	Head	LTE	0.534	1.146
		NFC	0.0000006	
		BT	0.123	
		5G WLAN	0.489	
	Body	LTE	0.964	1.494



		NFC	0.0000006	
		BT	0.123	
		5G WLAN	0.407	
		NR SA	0.446	
NR SA + BT + 2.4G WLAN + NFC	Head	NFC	0.0000006	0.809
		BT	0.123	
		2.4G WLAN	0.240	
		NR SA	0.990	
	Body	NFC	0.0000006	1.342
		BT	0.123	
		2.4G WLAN	0.229	
		NR SA	0.446	
NR SA + BT + 5G WLAN+ NFC	Head	NFC	0.0000006	1.058
		BT	0.123	
		5G WLAN	0.489	
		NR SA	0.990	
	Body	NFC	0.0000006	1.520
		BT	0.123	
		5G WLAN	0.407	
		NSA	0.688	
NSA + BT + 2.4G WLAN + NFC	Head	NFC	0.0000006	1.051
		BT	0.123	
		2.4G WLAN	0.240	
		NSA	1.019	
	Body	NFC	0.0000006	1.248
		BT	0.123	
		2.4G WLAN	0.229	
		NSA	0.688	
NSA + BT + 5G WLAN+ NFC	Head	NFC	0.0000006	1.300
		BT	0.123	
		5G WLAN	0.489	
		NSA	1.019	
	Body	NFC	0.0000006	1.549
		BT	0.123	
		5G WLAN	0.407	
		NSA	0.688	

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

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



13. Equipment List

Kind of Equipment	Manufacturer	Type No.	Serial No.	Last Calibration	Calibrated Until
750MHz Dipole	MVG	DIP0G750	SN 06/22 DIP0G750-638	2025.05.20	2028.05.19
835MHz Dipole	MVG	DIP0G835	SN 06/22 DIP0G835-639	2025.05.20	2028.05.19
1800MHz Dipole	MVG	DIP1G800	SN 06/22 DIP1G800-640	2025.05.20	2028.05.19
1900MHz Dipole	MVG	DIP1G900	SN 06/22 DIP1G900-641	2025.05.20	2028.05.19
2450MHz Dipole	MVG	DIP2G450	SN 06/22 DIP2G450-645	2025.05.20	2028.05.19
2600MHz Dipole	MVG	DIP2G600	SN 06/22 DIP2G600-646	2025.05.20	2028.05.19
3500MHz Dipole	MVG	DIP3G500	SN 06/22 DIP3G500-647	2025.05.20	2028.05.19
5000MHz Dipole	MVG	DIP5G000	SN 06/22 DIP5G000-653	2025.05.22	2028.05.21
E-Field Probe	MVG	SSE2	2225-EPGO-450	2025.06.06	2026.06.05
Liquid Calibration Kit	MVG	OCPG 87	SN 06/22 OCPG87	2025.06.02	2026.06.01
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)

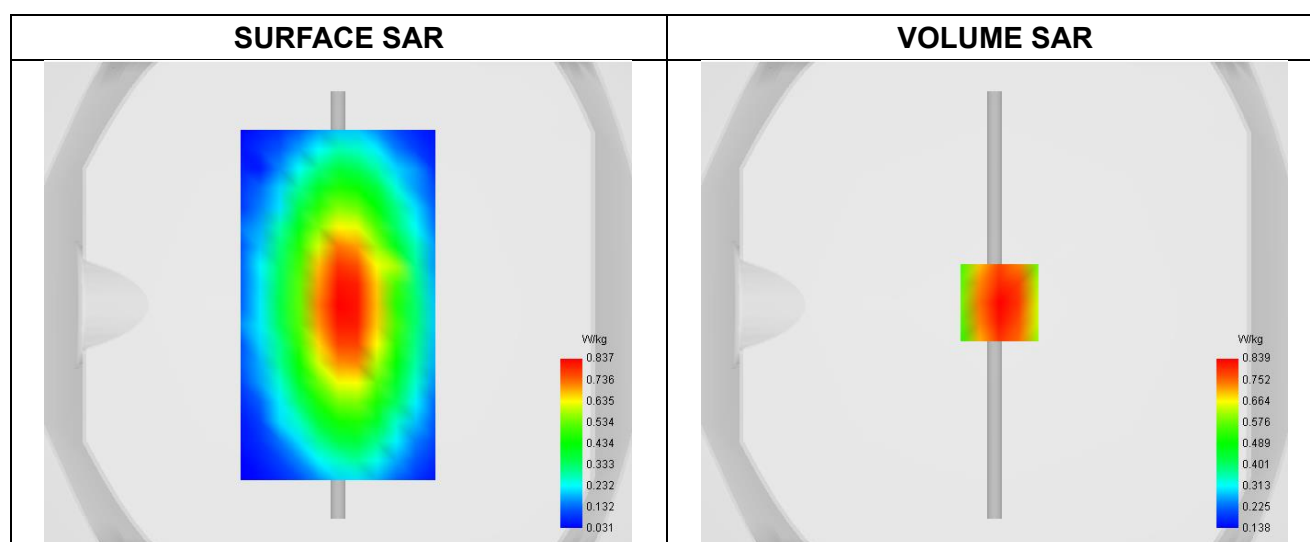
Area scan resolution: dx=8mm,dy=8mm

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

Date of measurement: 2025-09-19

Experimental conditions.

Phantom	Validation plane
Device Position	Dipole
Band	CW750
Channels	Middle
Signal	CW
Frequency (MHz)	750.000
Relative permittivity	41.77
Conductivity (S/m)	0.87
Probe	2225-EPGO-450
ConvF	1.08
Crest factor:	1:1

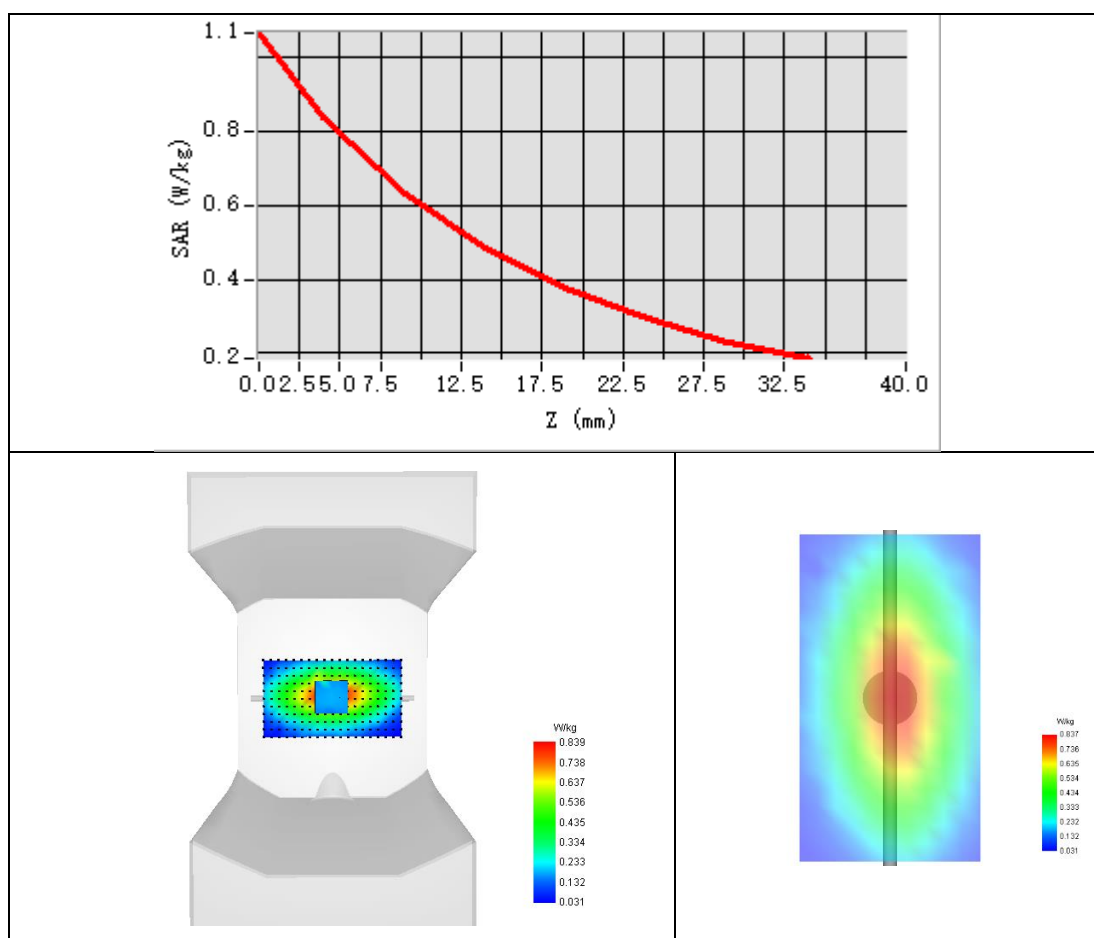


Maximum location: X=2.00, Y=1.00 ; SAR Peak: 1.07 W/kg

SAR 10g (W/Kg)	0.569
SAR 1g (W/Kg)	0.855



Z Axis Scan





System Performance Check Data (835MHz)

Type: Phone measurement (Complete)

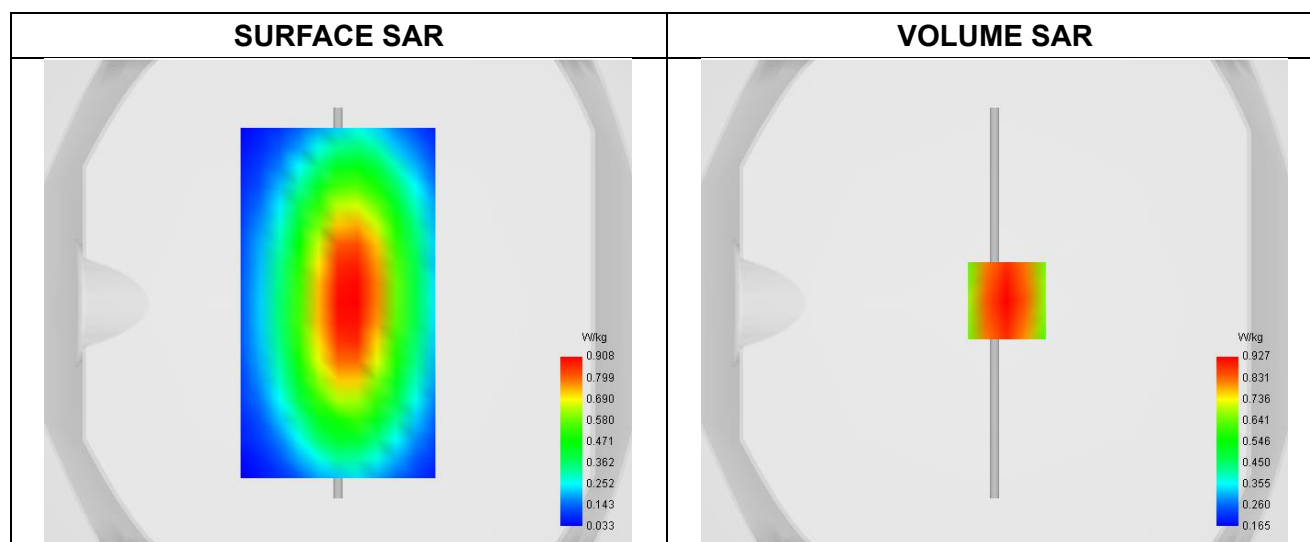
Area scan resolution: dx=8mm,dy=8mm

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

Date of measurement: 2025-09-22

Experimental conditions.

Phantom	Validation plane
Device Position	Dipole
Band	CW835
Channels	Middle
Signal	CW
Frequency (MHz)	835.000
Relative permittivity	41.42
Conductivity (S/m)	0.86
Probe	2225-EPGO-450
ConvF	1.02
Crest factor:	1:1

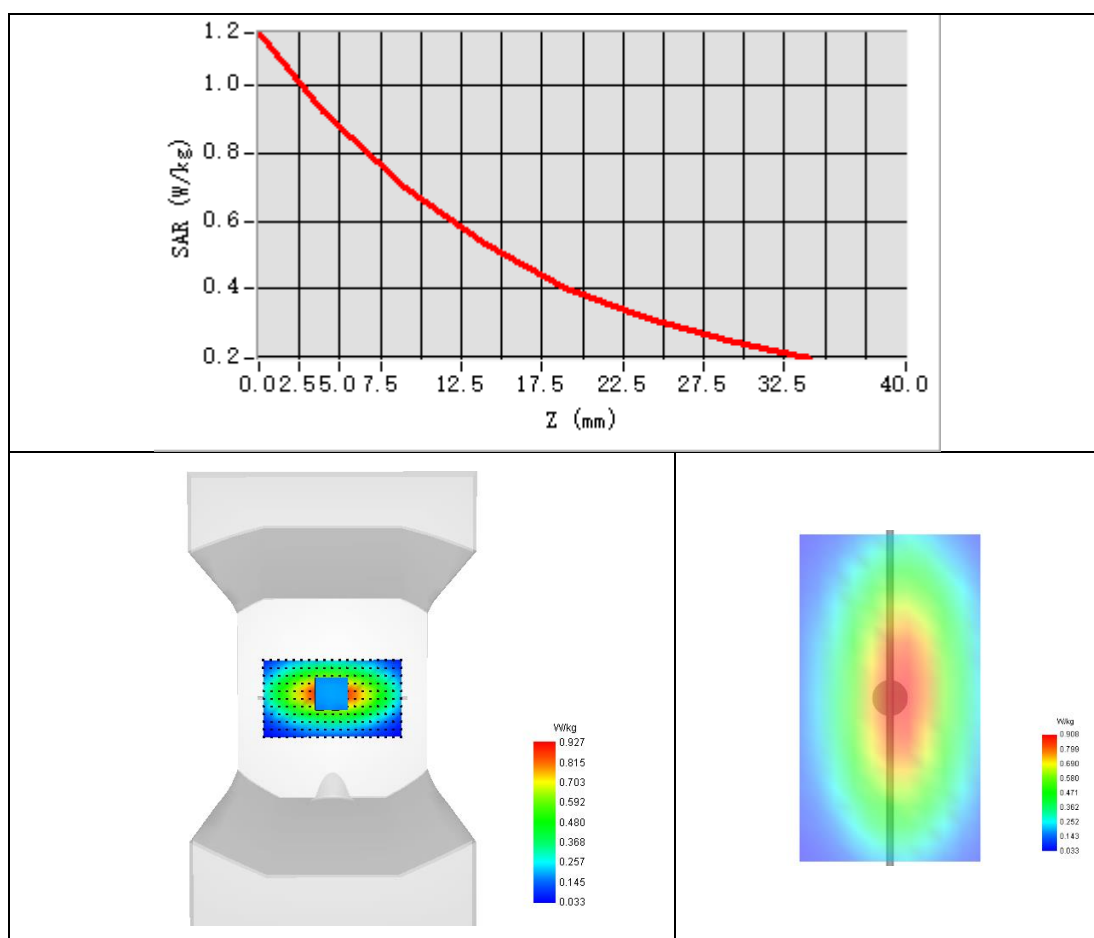


Maximum location: X=5.00, Y=1.00 ; SAR Peak: 1.16 W/kg

SAR 10g (W/Kg)	0.604
SAR 1g (W/Kg)	0.948



Z Axis Scan





System Performance Check Data (835MHz)

Type: Phone measurement (Complete)

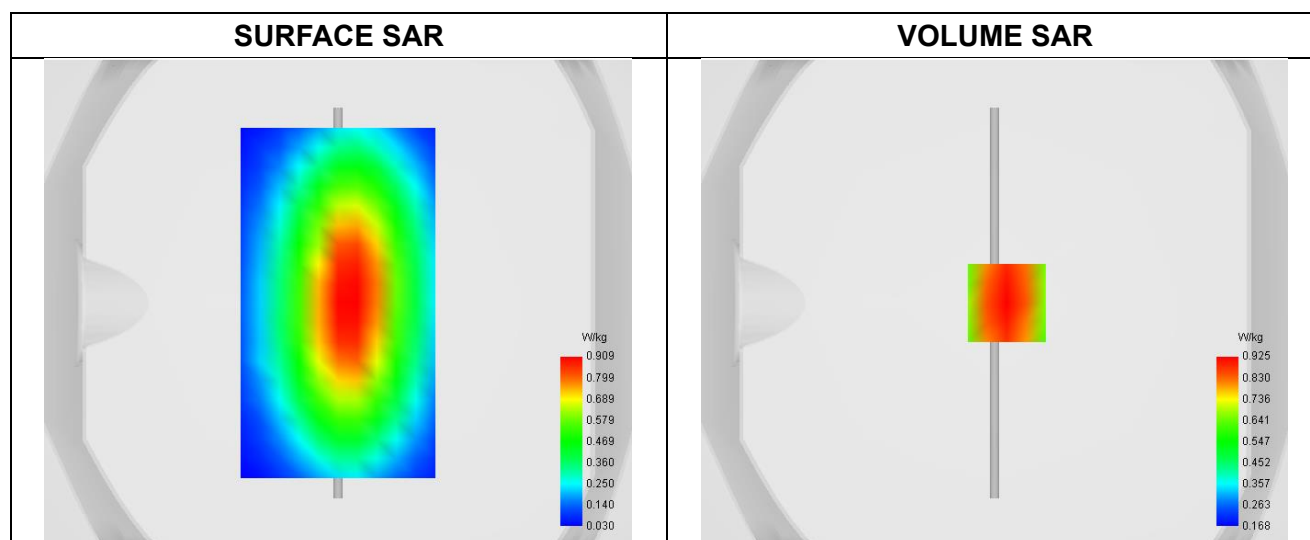
Area scan resolution: dx=8mm,dy=8mm

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

Date of measurement: 2025-09-17

Experimental conditions.

Phantom	Validation plane
Device Position	Dipole
Band	CW835
Channels	Middle
Signal	CW
Frequency (MHz)	835.000
Relative permittivity	41.86
Conductivity (S/m)	0.91
Probe	2225-EPGO-450
ConvF	1.02
Crest factor:	1:1

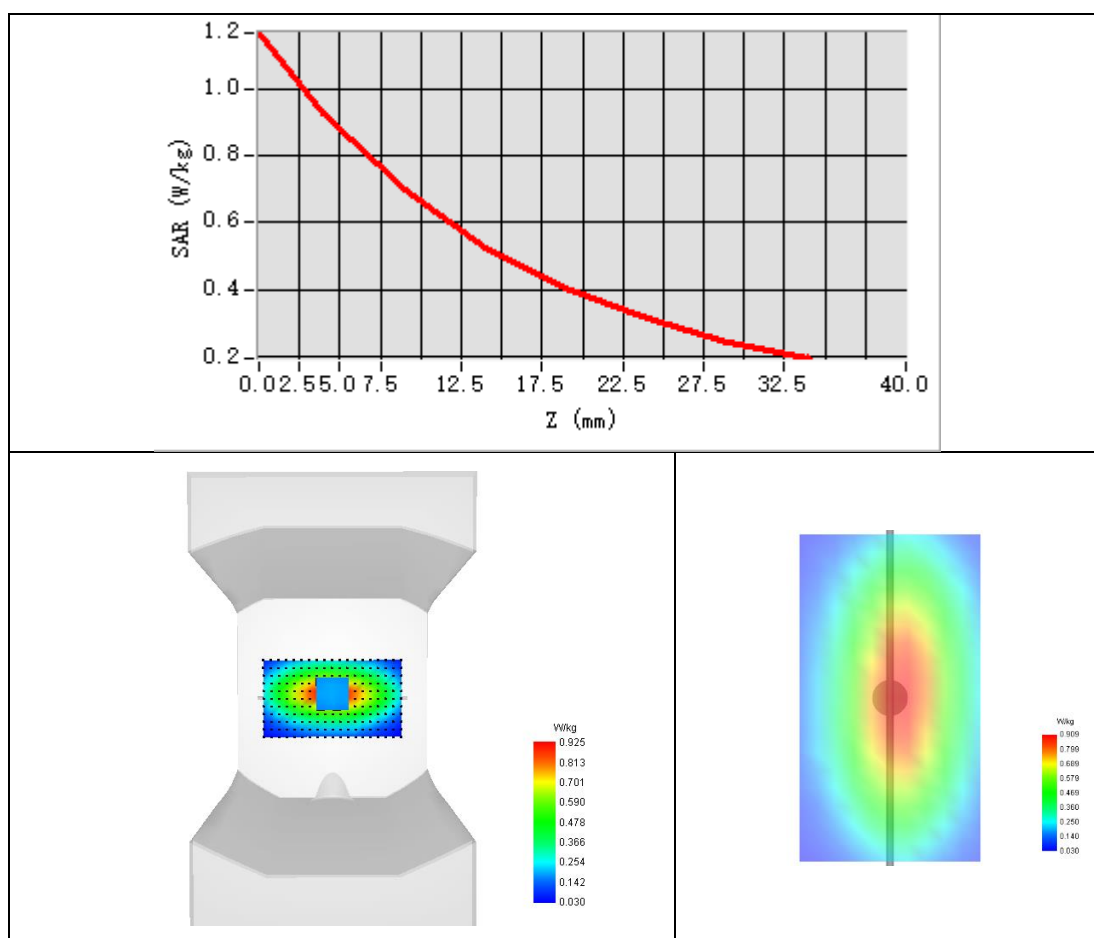


Maximum location: X=5.00, Y=0.00 ; SAR Peak: 1.17 W/kg

SAR 10g (W/Kg)	0.597
SAR 1g (W/Kg)	0.917



Z Axis Scan





System Performance Check Data (1800MHz)

Type: Phone measurement (Complete)

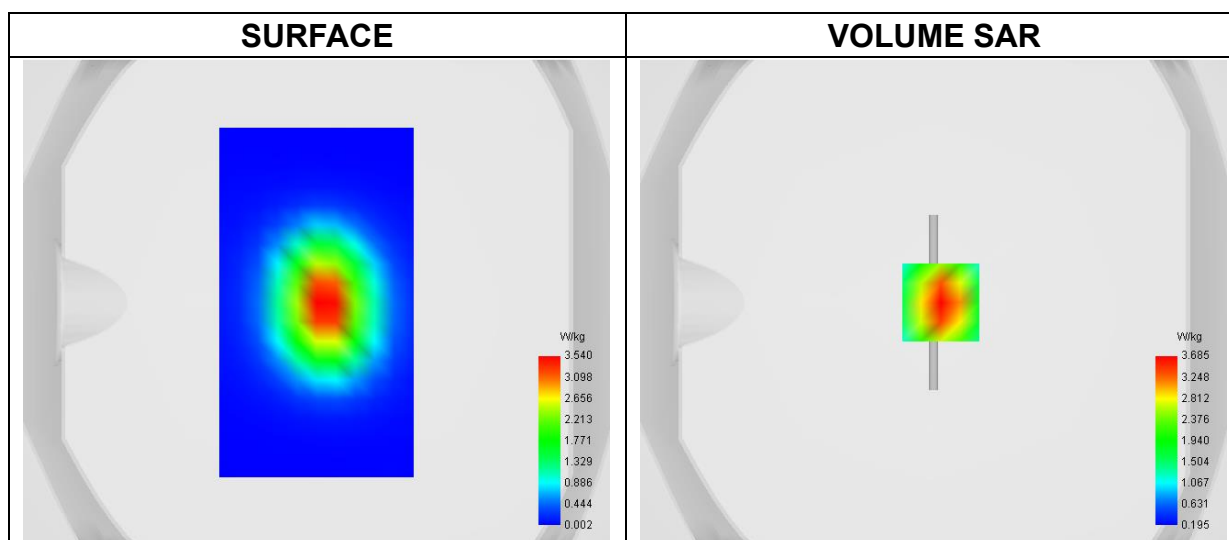
Area scan resolution: dx=8mm, dy=8mm

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

Date of measurement: 2025-09-23

Experimental conditions.

Phantom	Validation plane
Device Position	Dipole
Band	CW1800
Channels	Middle
Signal	CW
Frequency (MHz)	1800.000
Relative permittivity	40.89
Conductivity (S/m)	1.44
Probe	2225-EPGO-450
ConvF	1.21
Crest factor:	1:1

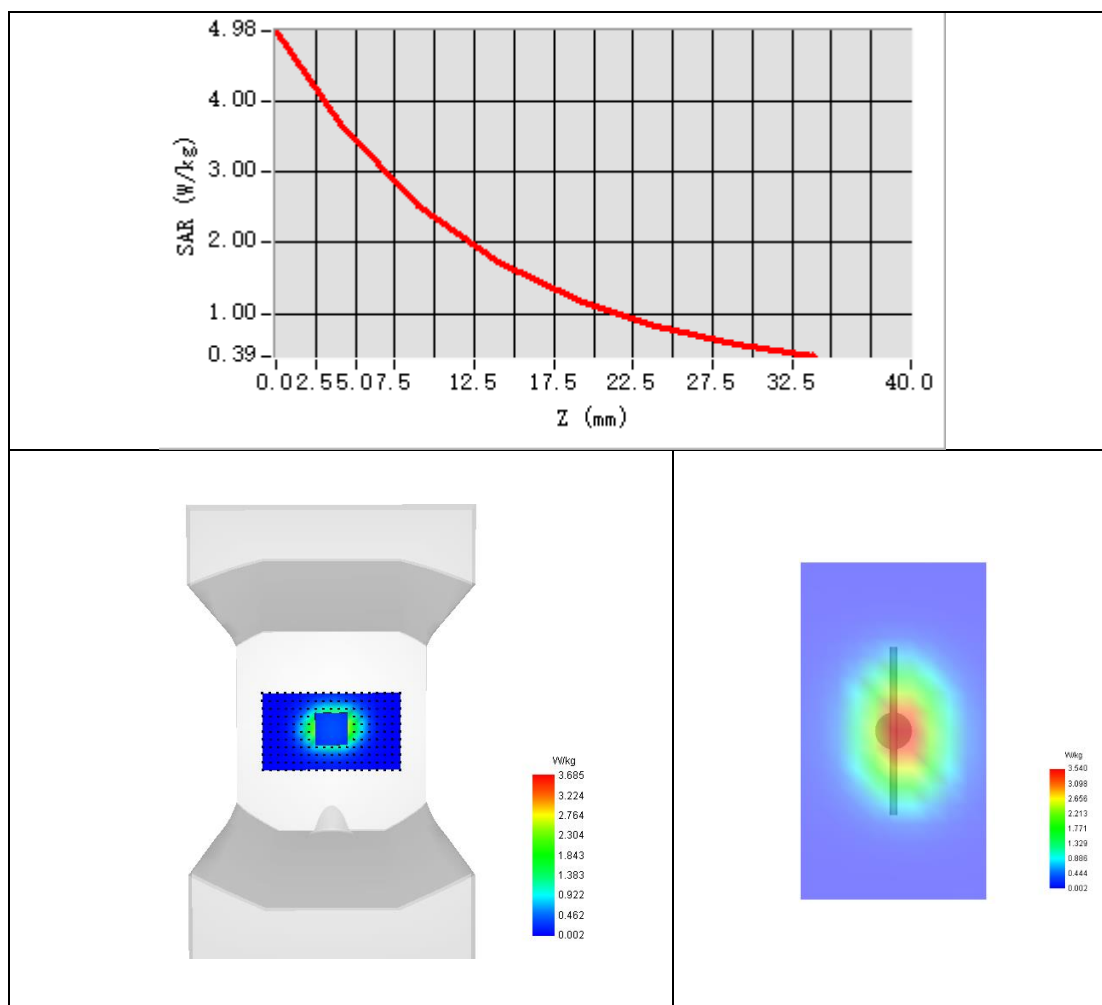


Maximum location: X=3.00, Y=0.00 ; SAR Peak: 4.99 W/kg

SAR 10g (W/Kg)	1.907
SAR 1g (W/Kg)	3.647



Z Axis Scan





System Performance Check Data (1900MHz)

Type: Phone measurement (Complete)

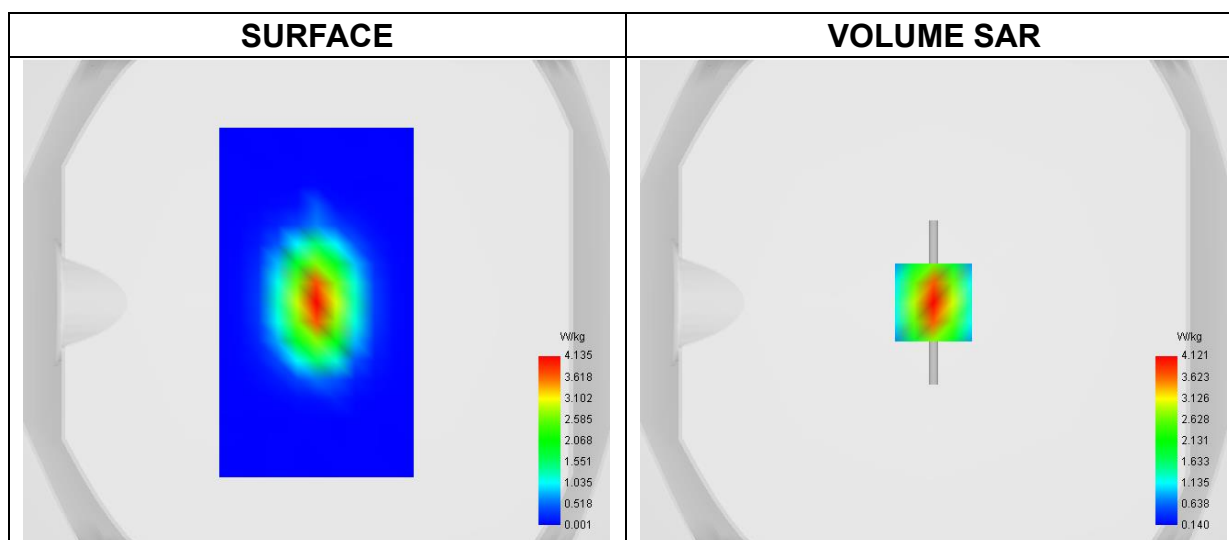
Area scan resolution: dx=8mm, dy=8mm

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

Date of measurement: 2025-09-18

Experimental conditions.

Phantom	Validation plane
Device Position	Dipole
Band	CW1900
Channels	Middle
Signal	CW
Frequency (MHz)	1900.000
Relative permittivity	40.41
Conductivity (S/m)	1.38
Probe	2225-EPGO-450
ConvF	1.34
Crest factor:	1:1

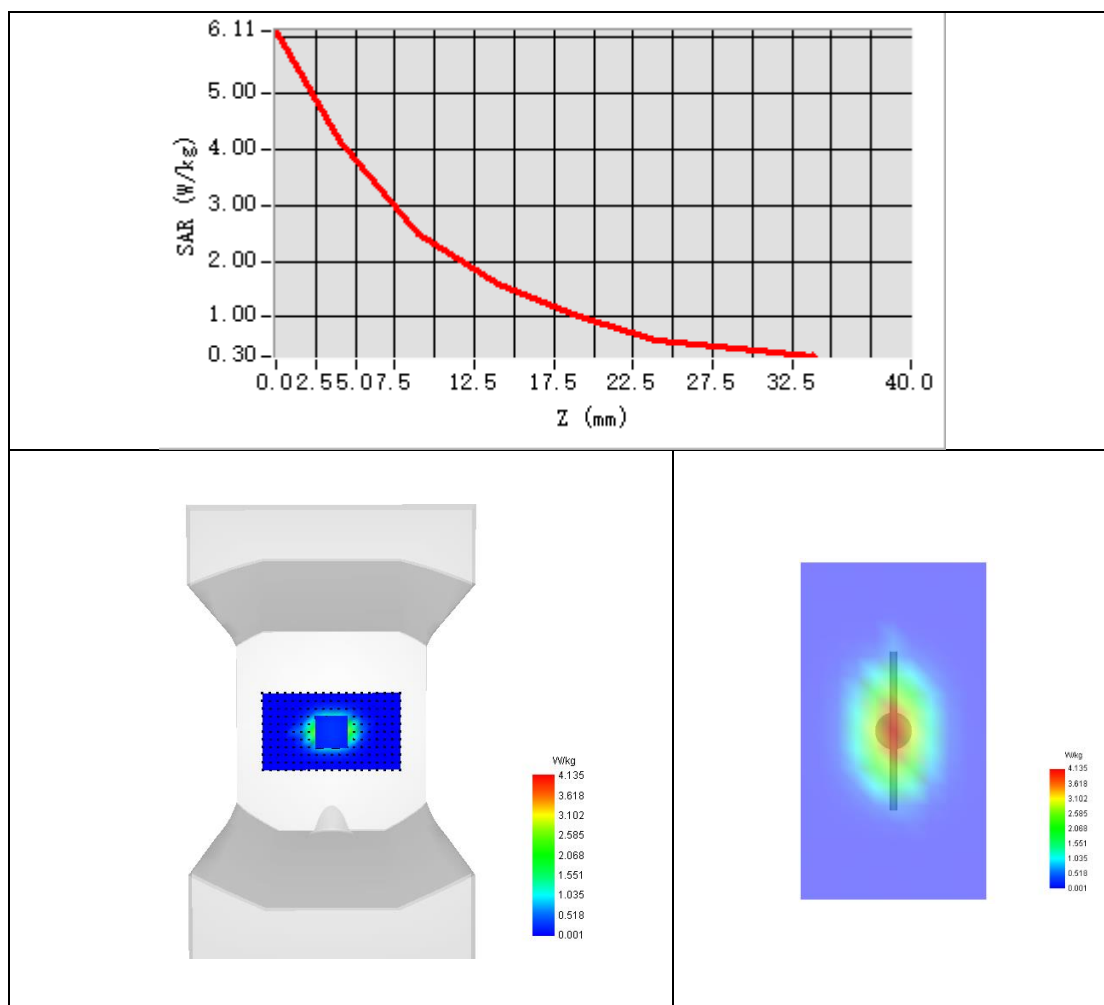


Maximum location: X=0.00, Y=0.00 ; SAR Peak: 6.07 W/kg

SAR 10g (W/Kg)	2.077
SAR 1g (W/Kg)	4.046



Z Axis Scan





System Performance Check Data (1900MHz)

Type: Phone measurement (Complete)

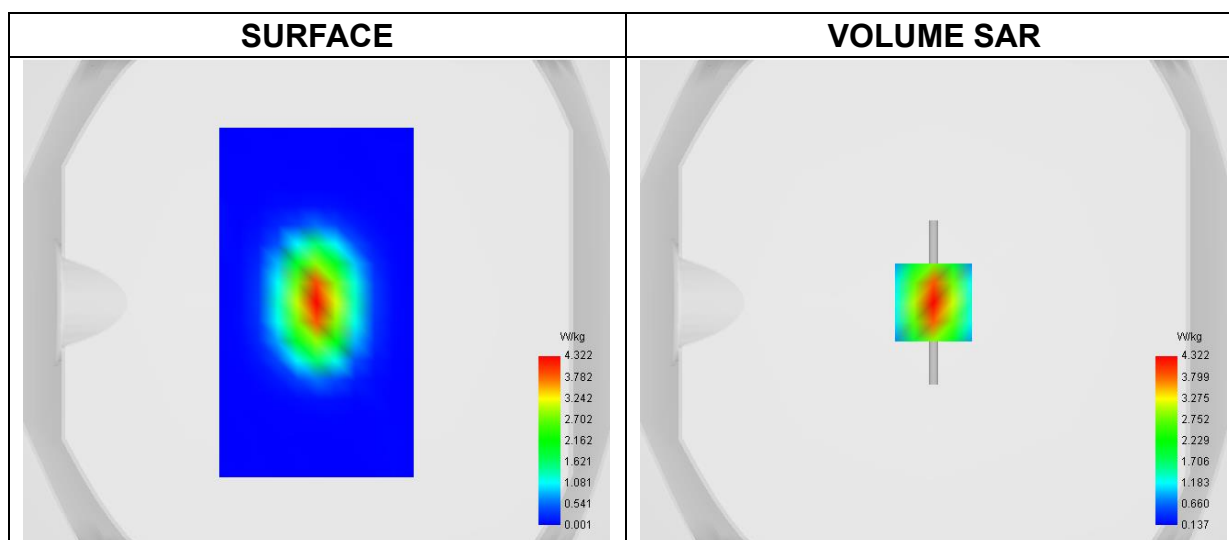
Area scan resolution: dx=8mm, dy=8mm

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

Date of measurement: 2025-09-24

Experimental conditions.

Phantom	Validation plane
Device Position	Dipole
Band	CW1900
Channels	Middle
Signal	CW
Frequency (MHz)	1900.000
Relative permittivity	40.69
Conductivity (S/m)	1.42
Probe	2225-EPGO-450
ConvF	1.34
Crest factor:	1:1

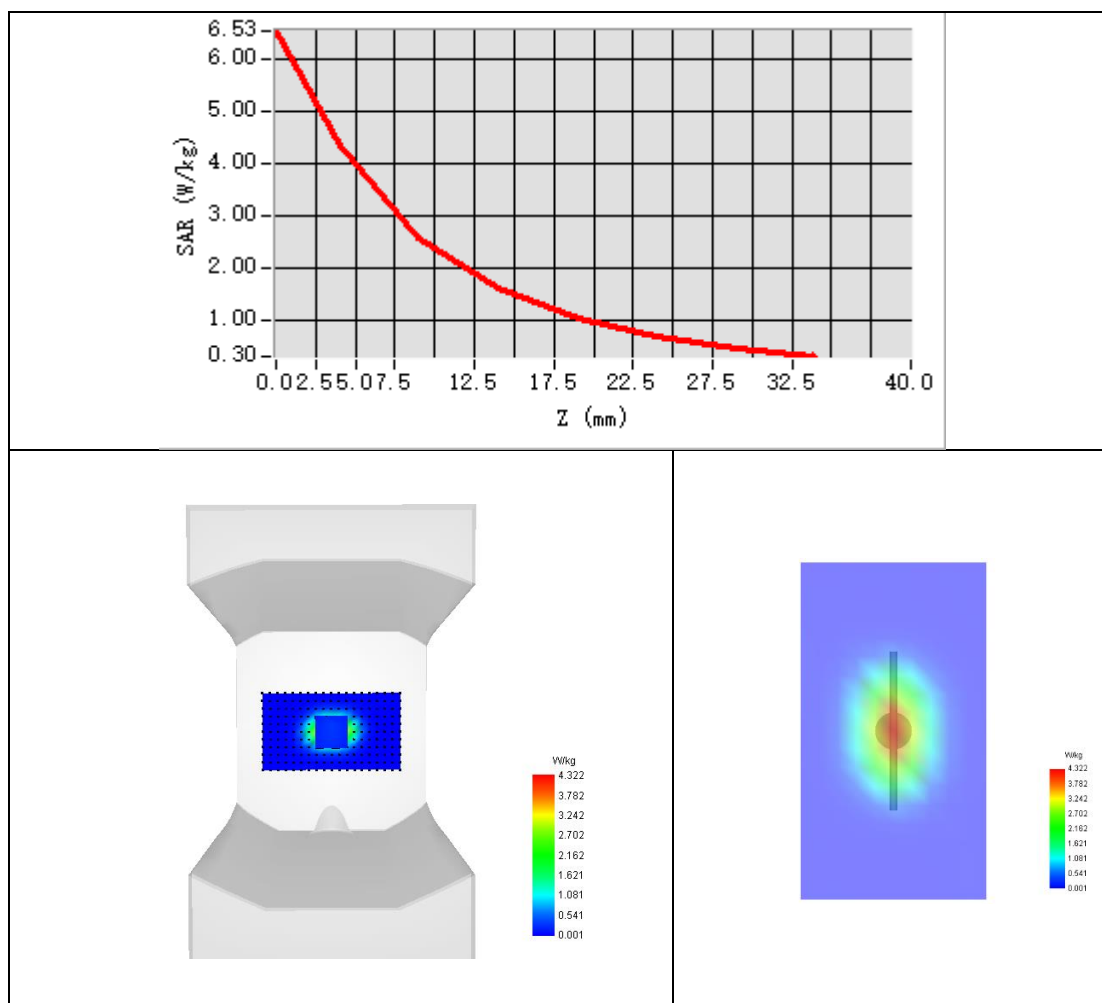


Maximum location: X=0.00, Y=0.00 ; SAR Peak: 6.48 W/kg

SAR 10g (W/Kg)	2.060
SAR 1g (W/Kg)	4.214



Z Axis Scan





System Performance Check Data (2300MHz)

Type: Phone measurement (Complete)

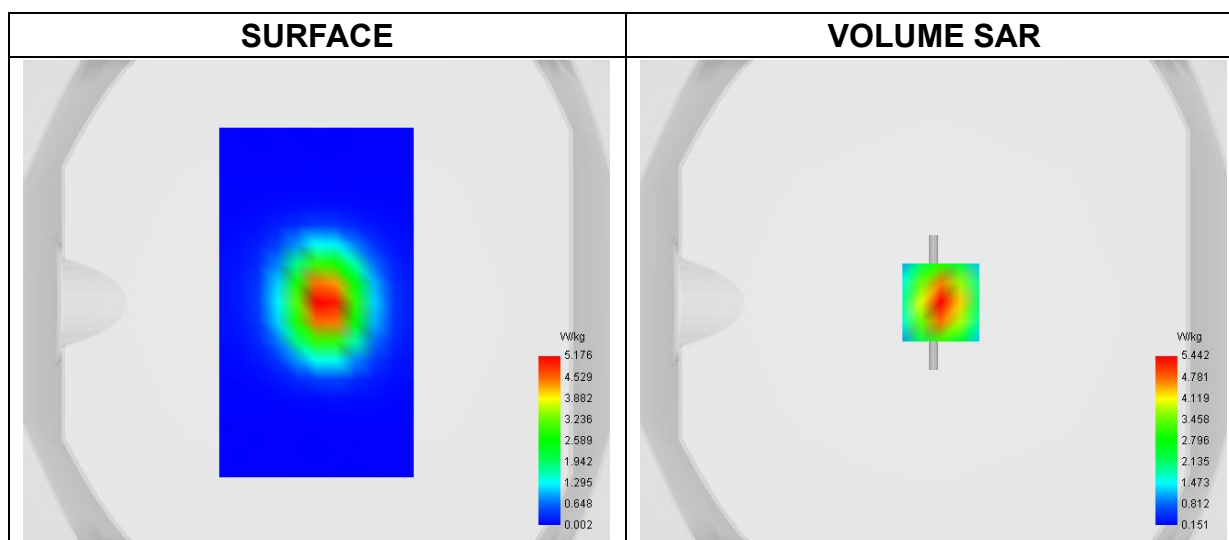
Area scan resolution: dx=8mm, dy=8mm

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

Date of measurement: 2025-09-26

Experimental conditions.

Phantom	Validation plane
Device Position	Dipole
Band	CW2300
Channels	Middle
Signal	CW
Frequency (MHz)	2300.000
Relative permittivity	40.09
Conductivity (S/m)	1.39
Probe	2225-EPGO-450
ConvF	1.47
Crest factor:	1:1

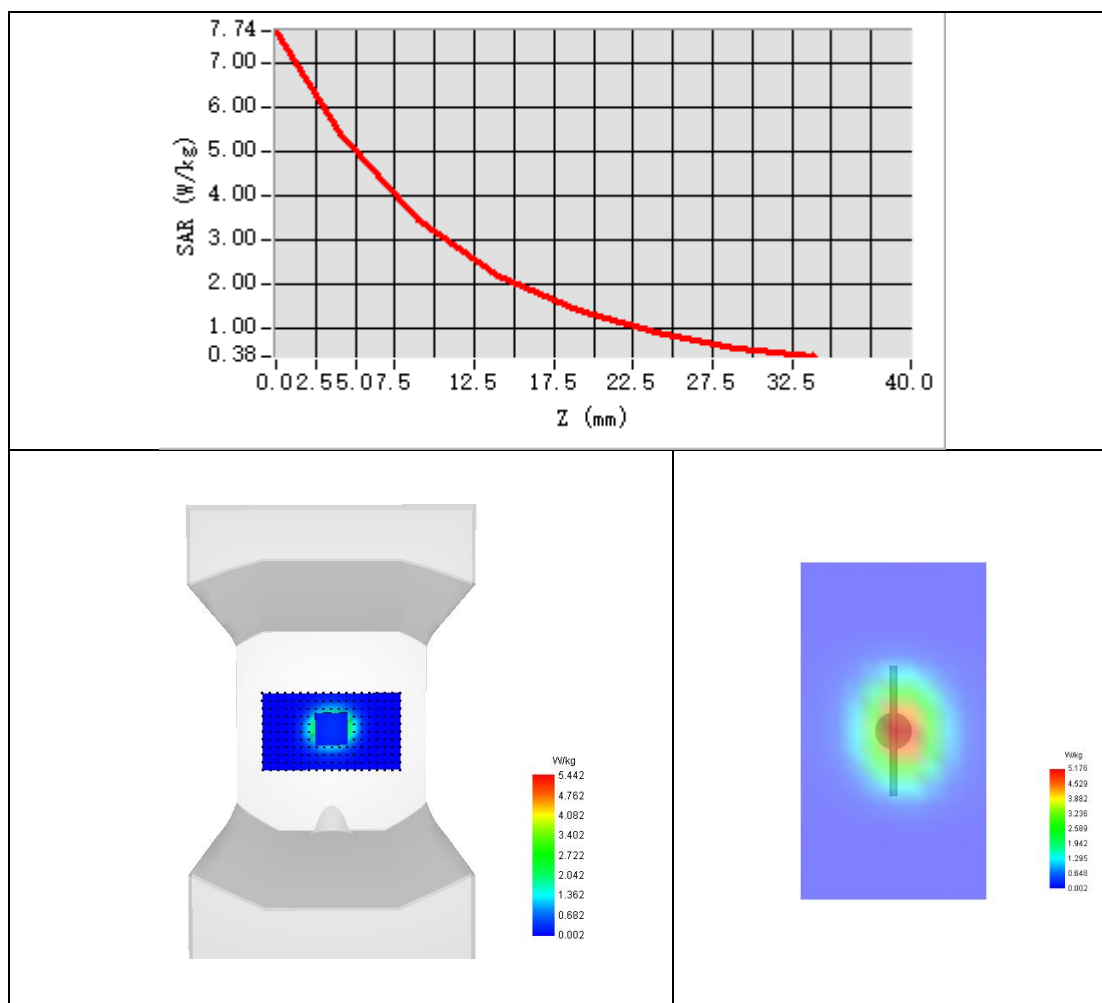


Maximum location: X=3.00, Y=0.00 ; SAR Peak: 7.71 W/kg

SAR 10g (W/Kg)	2.333
SAR 1g (W/Kg)	4.937



Z Axis Scan





System Performance Check Data (2450MHz)

Type: Phone measurement (Complete)

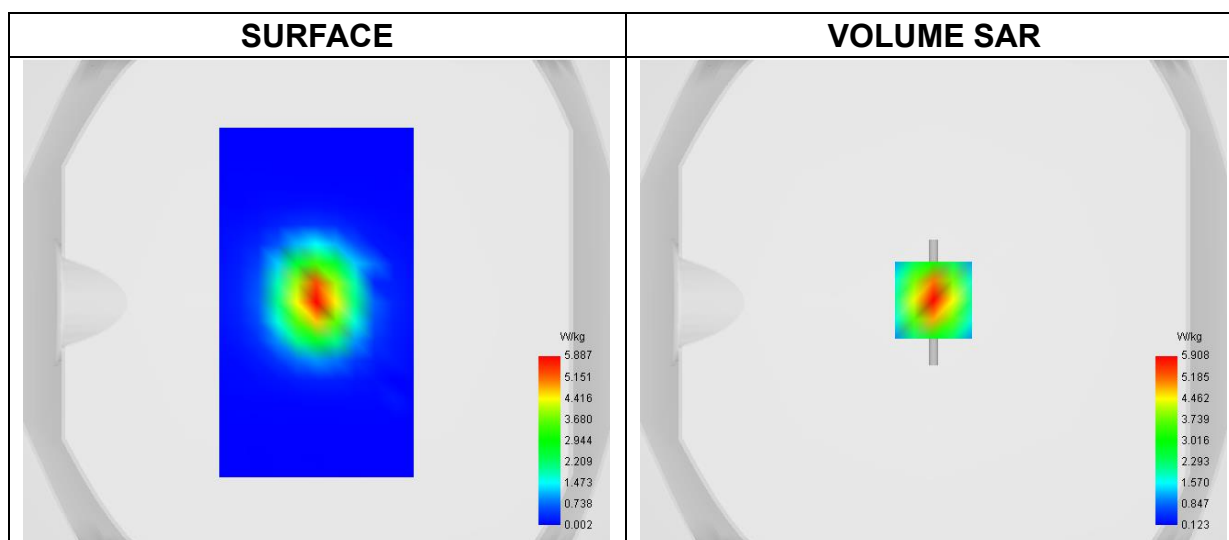
Area scan resolution: dx=8mm, dy=8mm

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

Date of measurement: 2025-09-26

Experimental conditions.

Phantom	Validation plane
Device Position	Dipole
Band	CW2450
Channels	Middle
Signal	CW
Frequency (MHz)	2450.000
Relative permittivity	39.80
Conductivity (S/m)	1.81
Probe	2225-EPGO-450
ConvF	1.51
Crest factor:	1:1

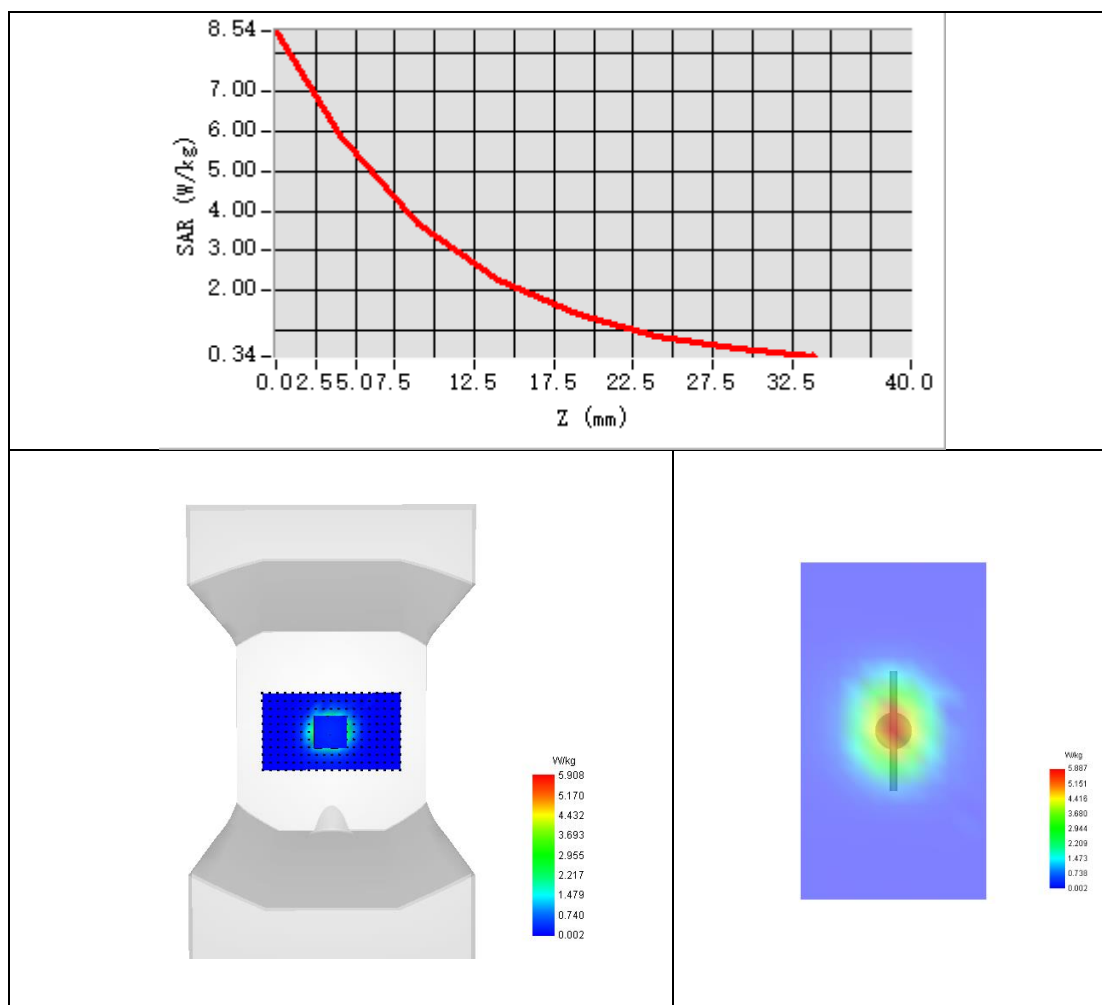


Maximum location: X=0.00, Y=1.00 ; SAR Peak: 8.52 W/kg

SAR 10g (W/Kg)	2.480
SAR 1g (W/Kg)	5.318



Z Axis Scan





System Performance Check Data (2600MHz)

Type: Phone measurement (Complete)

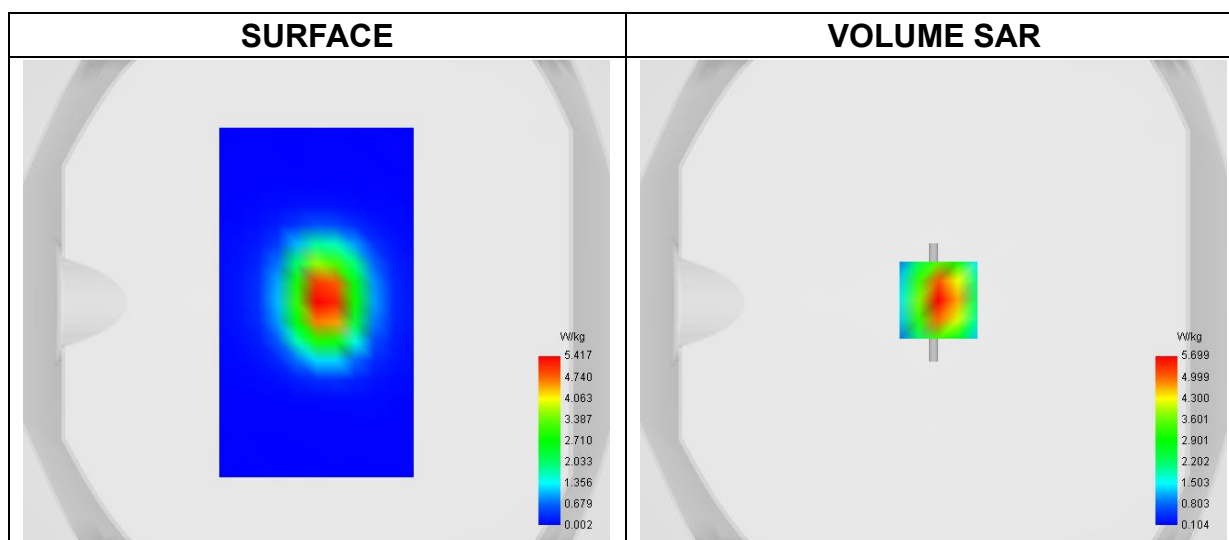
Area scan resolution: dx=8mm, dy=8mm

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

Date of measurement: 2025-09-21

Experimental conditions.

Phantom	Validation plane
Device Position	Dipole
Band	CW2600
Channels	Middle
Signal	CW
Frequency (MHz)	2600.000
Relative permittivity	39.47
Conductivity (S/m)	1.94
Probe	2225-EPGO-450
ConvF	1.44
Crest factor:	1:1

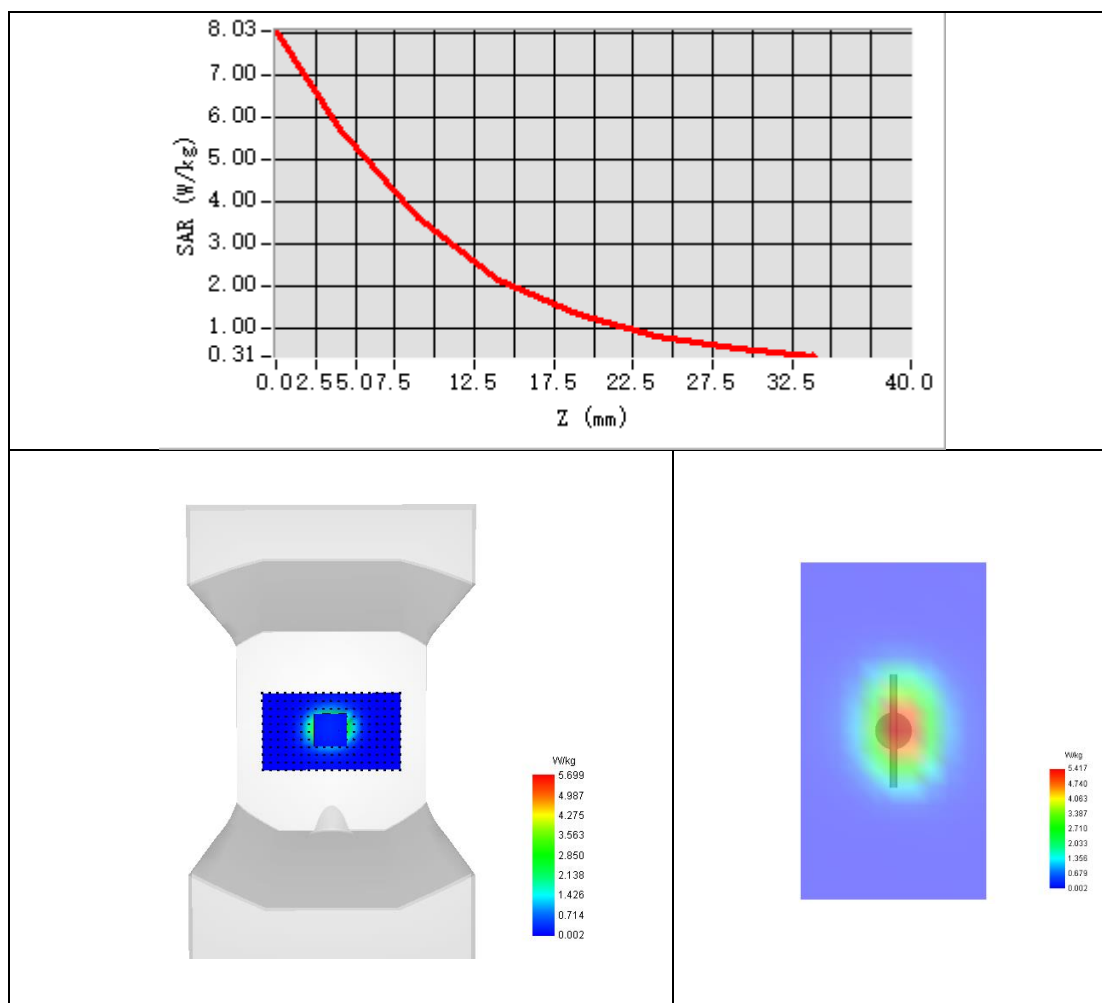


Maximum location: X=2.00, Y=1.00 ; SAR Peak: 8.79 W/kg

SAR 10g (W/Kg)	2.5065.602
SAR 1g (W/Kg)	



Z Axis Scan





System Performance Check Data (2600MHz)

Type: Phone measurement (Complete)

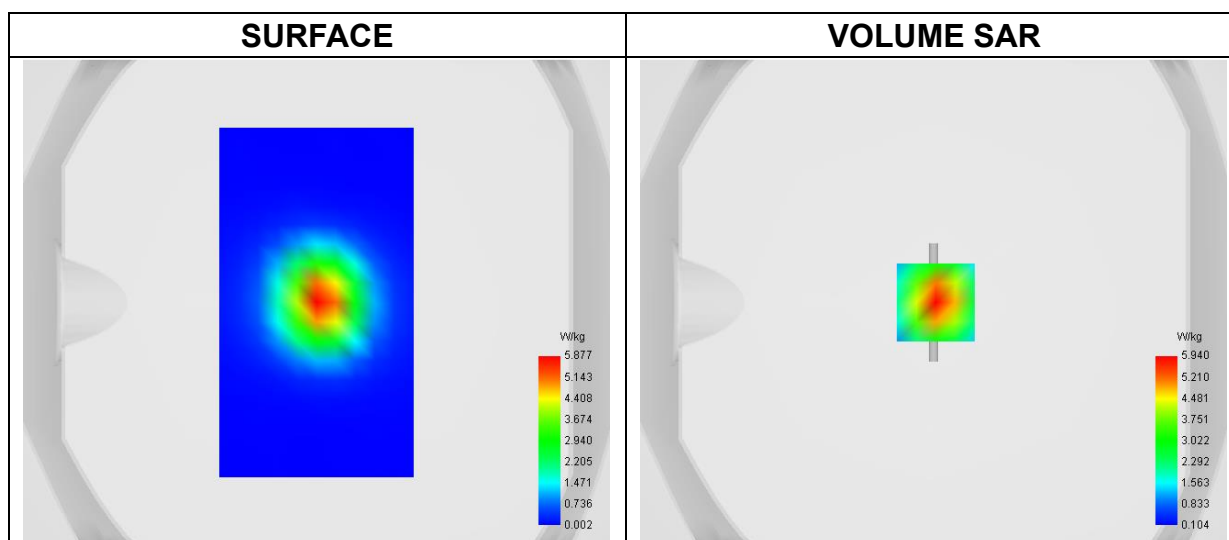
Area scan resolution: dx=8mm, dy=8mm

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

Date of measurement: 2025-09-24

Experimental conditions.

Phantom	Validation plane
Device Position	Dipole
Band	CW2600
Channels	Middle
Signal	CW
Frequency (MHz)	2600.000
Relative permittivity	40.06
Conductivity (S/m)	1.90
Probe	2225-EPGO-450
ConvF	1.44
Crest factor:	1:1

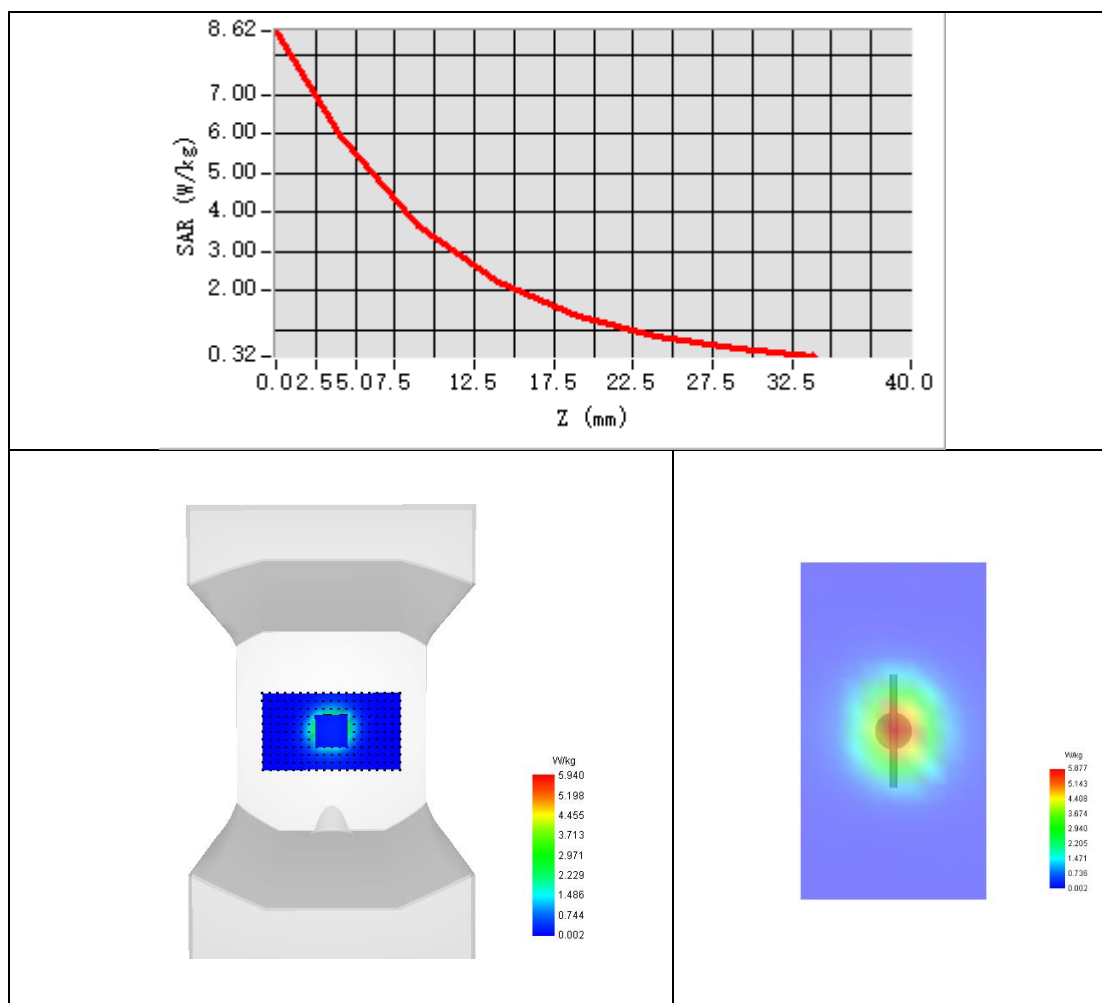


Maximum location: X=1.00, Y=0.00 ; SAR Peak: 8.62 W/kg

SAR 10g (W/Kg)	2.555
SAR 1g (W/Kg)	5.583



Z Axis Scan





System Performance Check Data (2600MHz)

Type: Phone measurement (Complete)

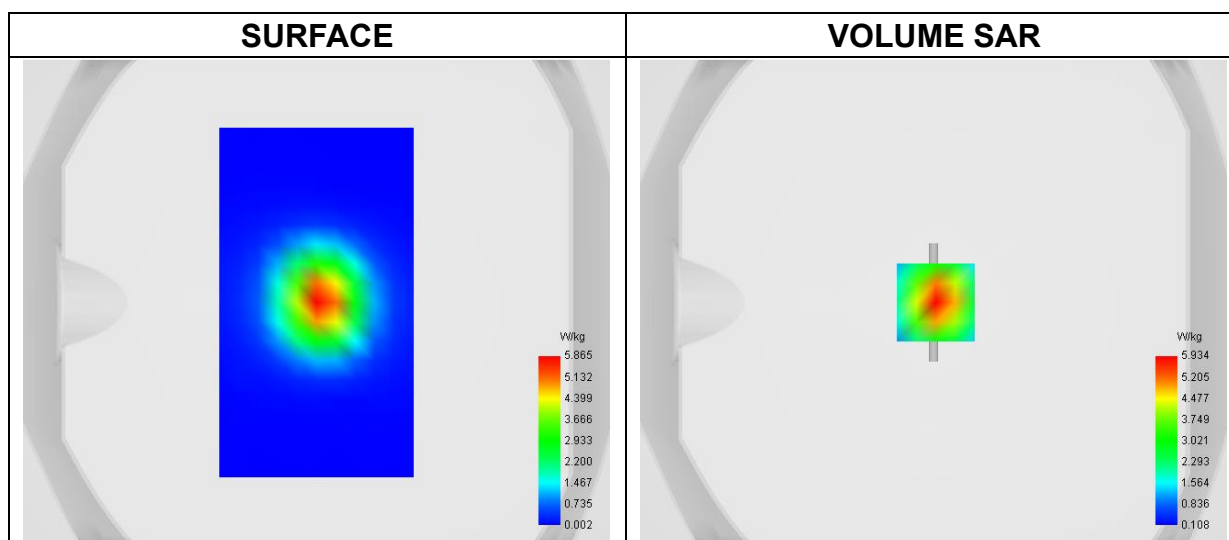
Area scan resolution: dx=8mm, dy=8mm

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

Date of measurement: 2025-09-25

Experimental conditions.

Phantom	Validation plane
Device Position	Dipole
Band	CW2600
Channels	Middle
Signal	CW
Frequency (MHz)	2600.000
Relative permittivity	39.75
Conductivity (S/m)	1.98
Probe	2225-EPGO-450
ConvF	1.44
Crest factor:	1:1

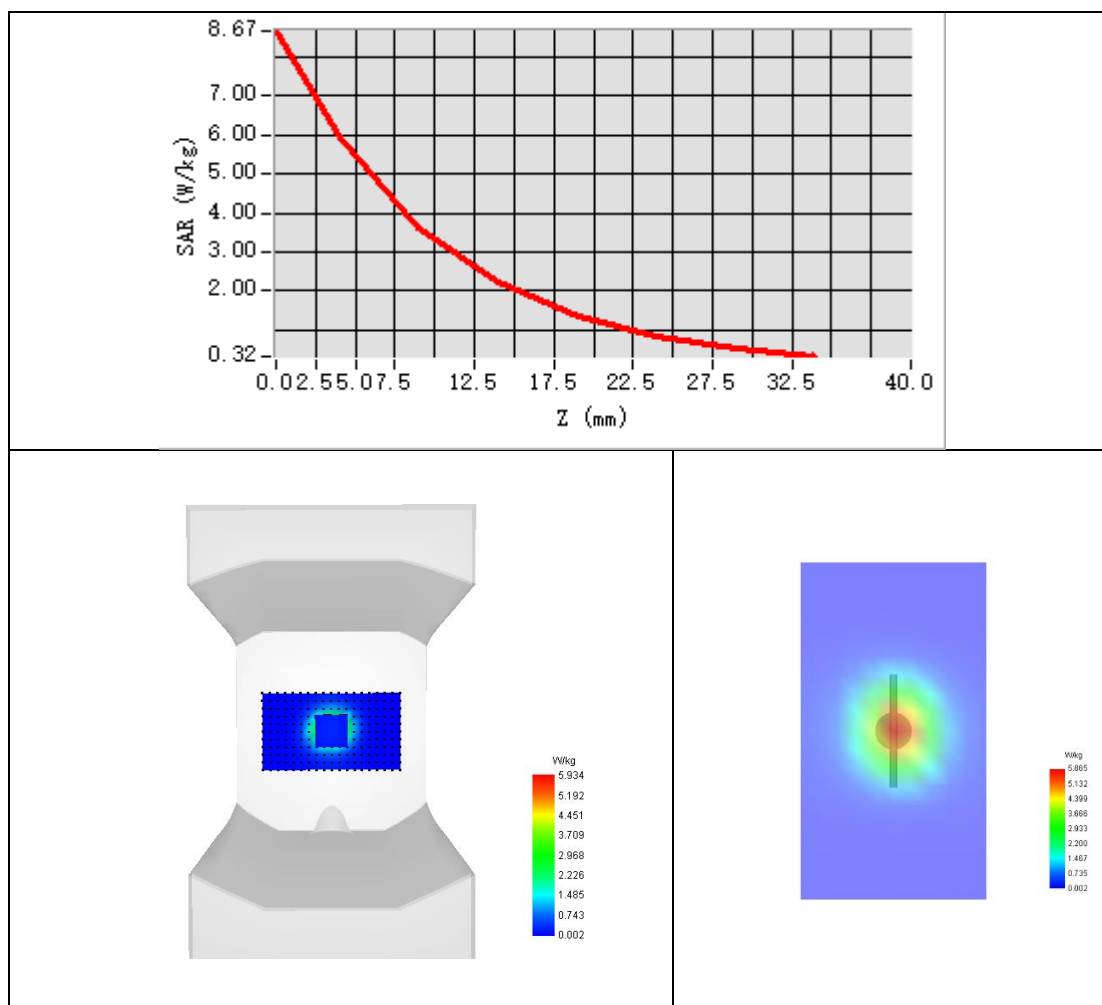


Maximum location: X=1.00, Y=0.00 ; SAR Peak: 8.64 W/kg

SAR 10g (W/Kg)	2.528
SAR 1g (W/Kg)	5.761



Z Axis Scan





System Performance Check Data (3500MHz)

Type: Phone measurement (Complete)

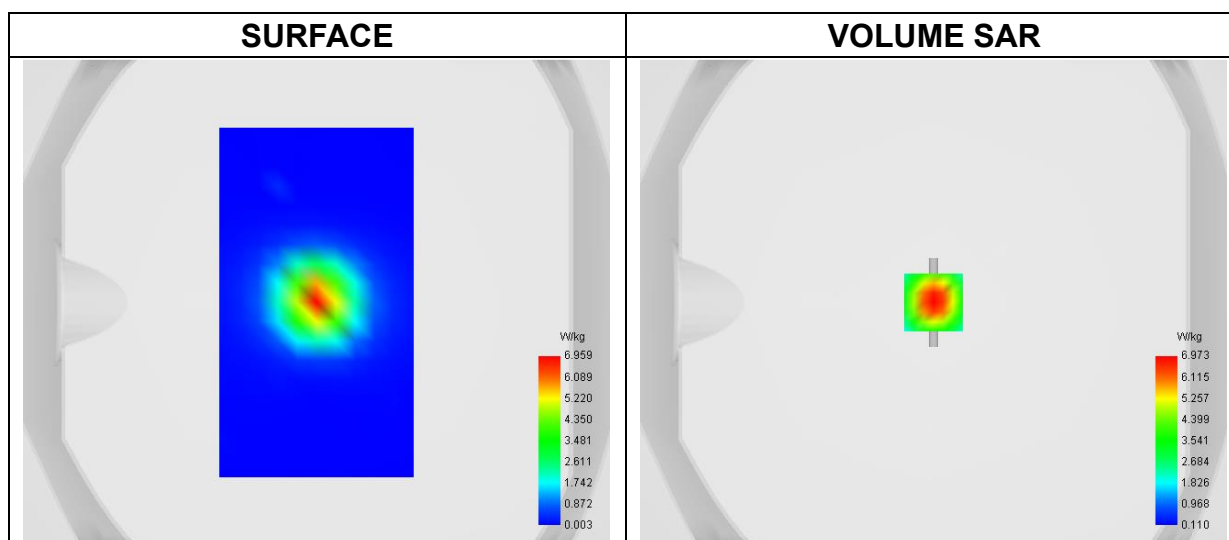
Area scan resolution: dx=8mm, dy=8mm

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

Date of measurement: 2025-09-27

Experimental conditions.

Phantom	Validation plane
Device Position	Dipole
Band	CW3500
Channels	Middle
Signal	CW
Frequency (MHz)	3500.000
Relative permittivity	38.38
Conductivity (S/m)	2.85
Probe	2225-EPGO-450
ConvF	1.35
Crest factor:	1:1

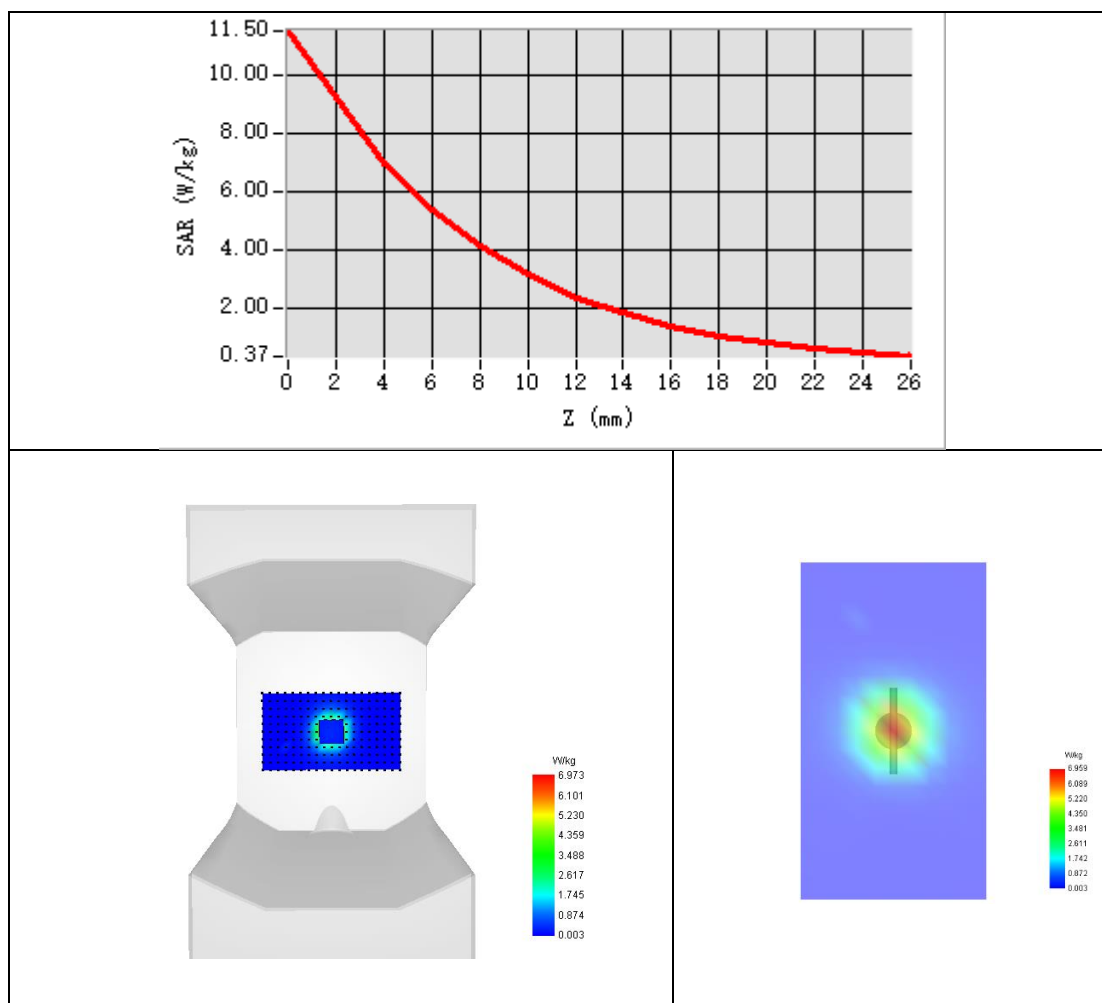


Maximum location: X=0.00, Y=0.00 ; SAR Peak: 11.46 W/kg

SAR 10g (W/Kg)	2.532
SAR 1g (W/Kg)	6.472



Z Axis Scan





System Performance Check Data (5200MHz)

Type: Phone measurement (Complete)

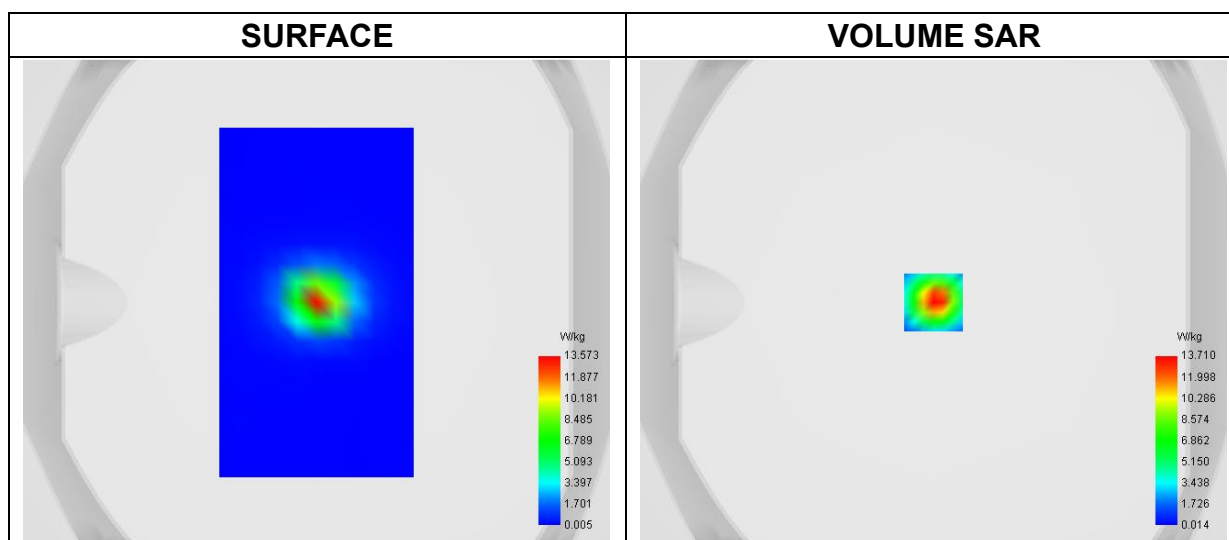
Area scan resolution: dx=8mm, dy=8mm

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

Date of measurement: 2025-09-28

Experimental conditions.

Phantom	Validation plane
Device Position	Dipole
Band	CW5200
Channels	Middle
Signal	CW
Frequency (MHz)	5200.000
Relative permittivity	37.02
Conductivity (S/m)	4.67
Probe	2225-EPGO-450
ConvF	1.58
Crest factor:	1:1

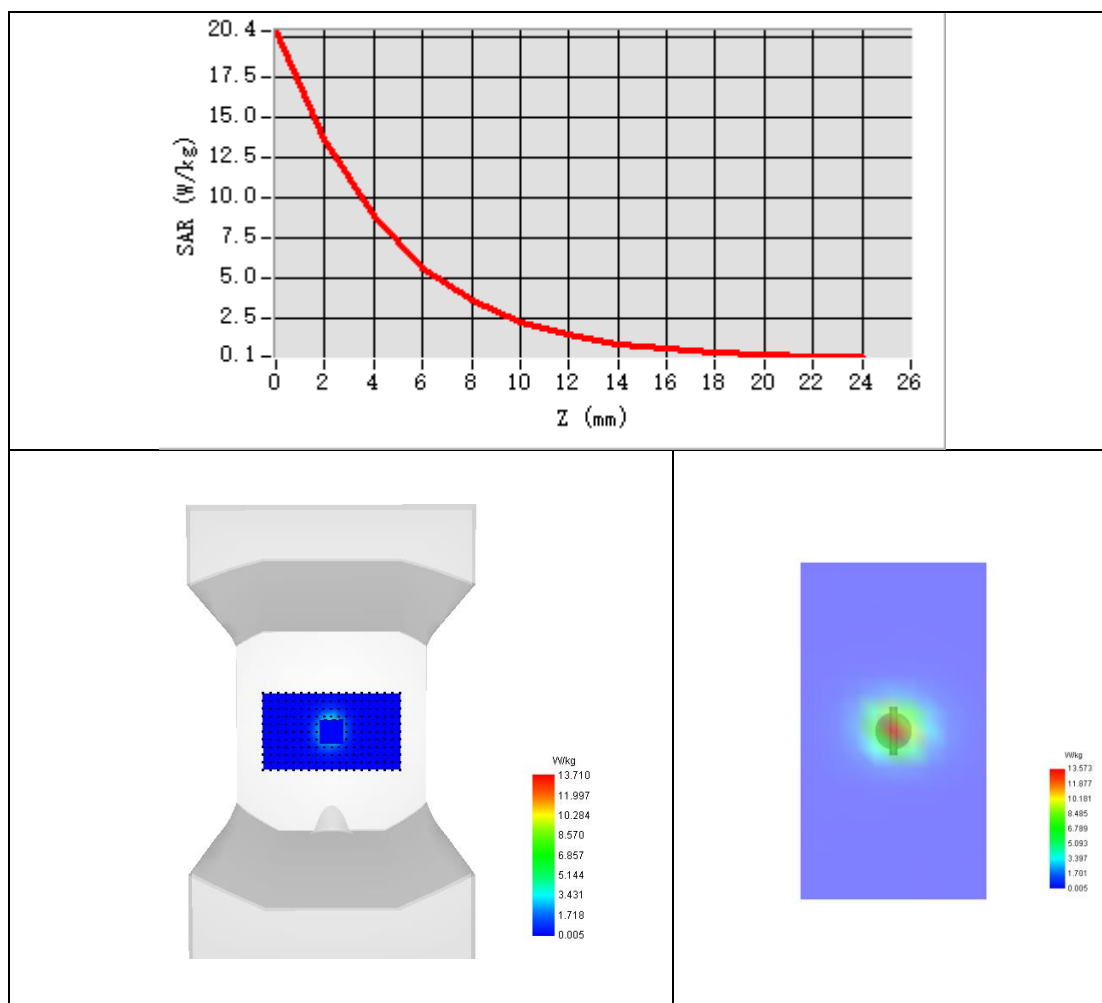


Maximum location: X=0.00, Y=0.00 ; SAR Peak: 20.78 W/kg

SAR 10g (W/Kg)	2.294
SAR 1g (W/Kg)	7.770



Z Axis Scan





System Performance Check Data (5400MHz)

Type: Phone measurement (Complete)

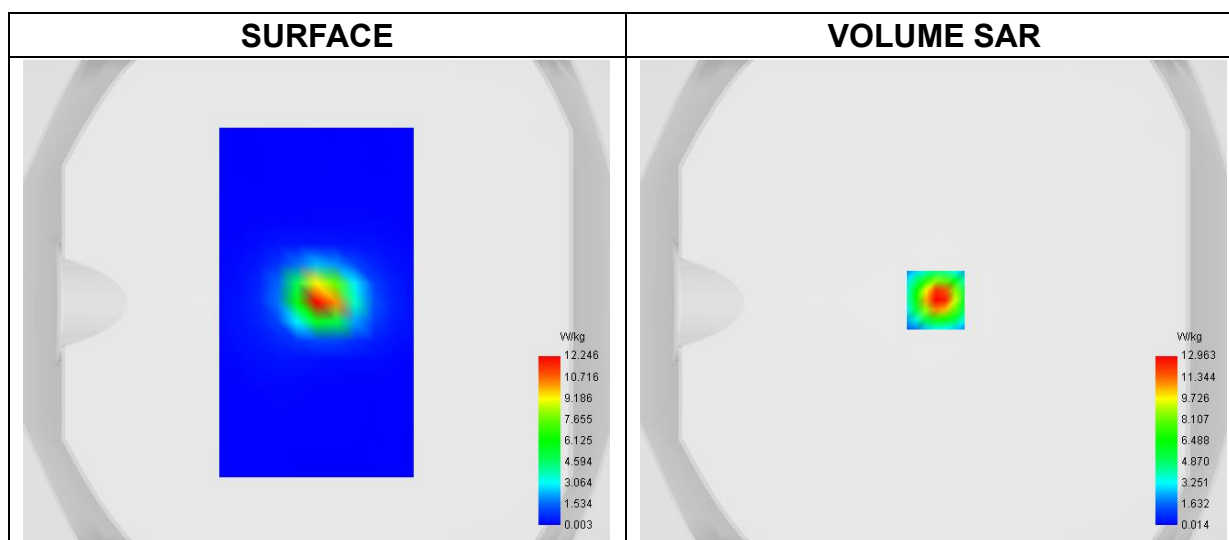
Area scan resolution: dx=8mm, dy=8mm

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

Date of measurement: 2025-09-29

Experimental conditions.

Phantom	Validation plane
Device Position	Dipole
Band	CW5400
Channels	Middle
Signal	CW
Frequency (MHz)	5400.000
Relative permittivity	36.08
Conductivity (S/m)	4.87
Probe	2225-EPGO-450
ConvF	1.60
Crest factor:	1:1

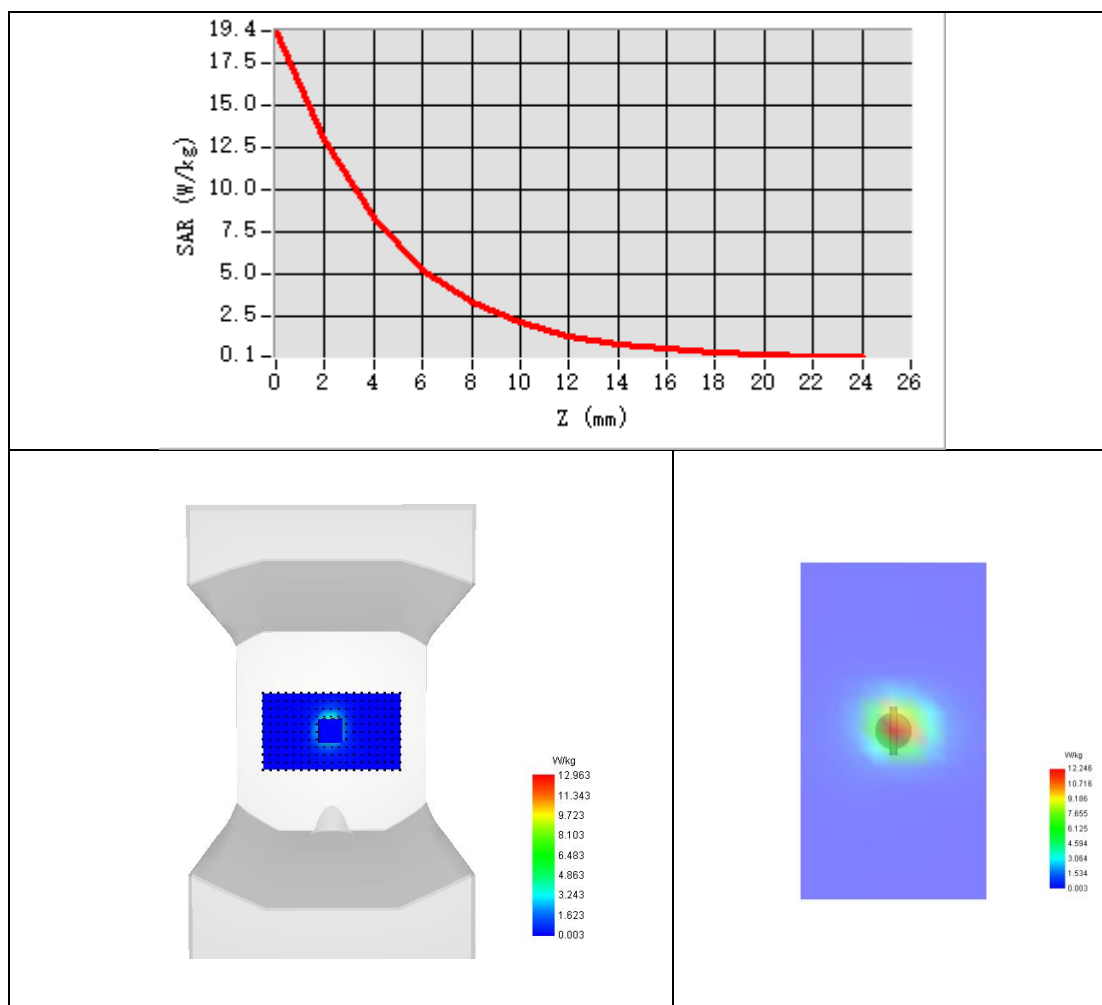


Maximum location: X=1.00, Y=1.00 ; SAR Peak: 19.75 W/kg

SAR 10g (W/Kg)	2.254
SAR 1g (W/Kg)	7.756



Z Axis Scan





System Performance Check Data (5600MHz)

Type: Phone measurement (Complete)

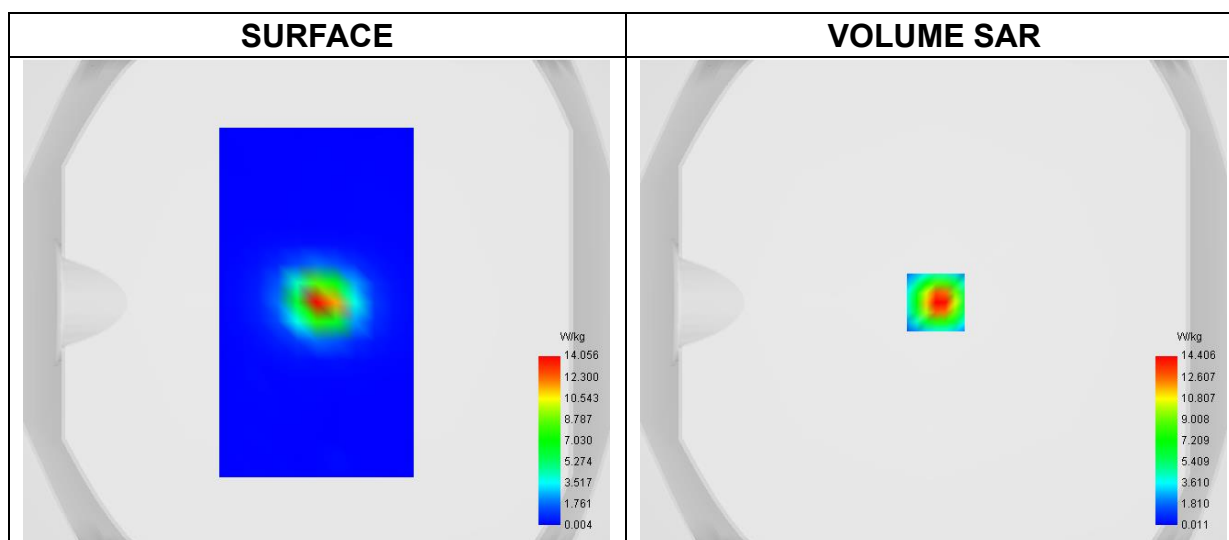
Area scan resolution: dx=8mm, dy=8mm

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

Date of measurement: 2025-09-30

Experimental conditions.

Phantom	Validation plane
Device Position	Dipole
Band	CW5600
Channels	Middle
Signal	CW
Frequency (MHz)	5600.000
Relative permittivity	35.76
Conductivity (S/m)	5.04
Probe	2225-EPGO-450
ConvF	1.63
Crest factor:	1:1

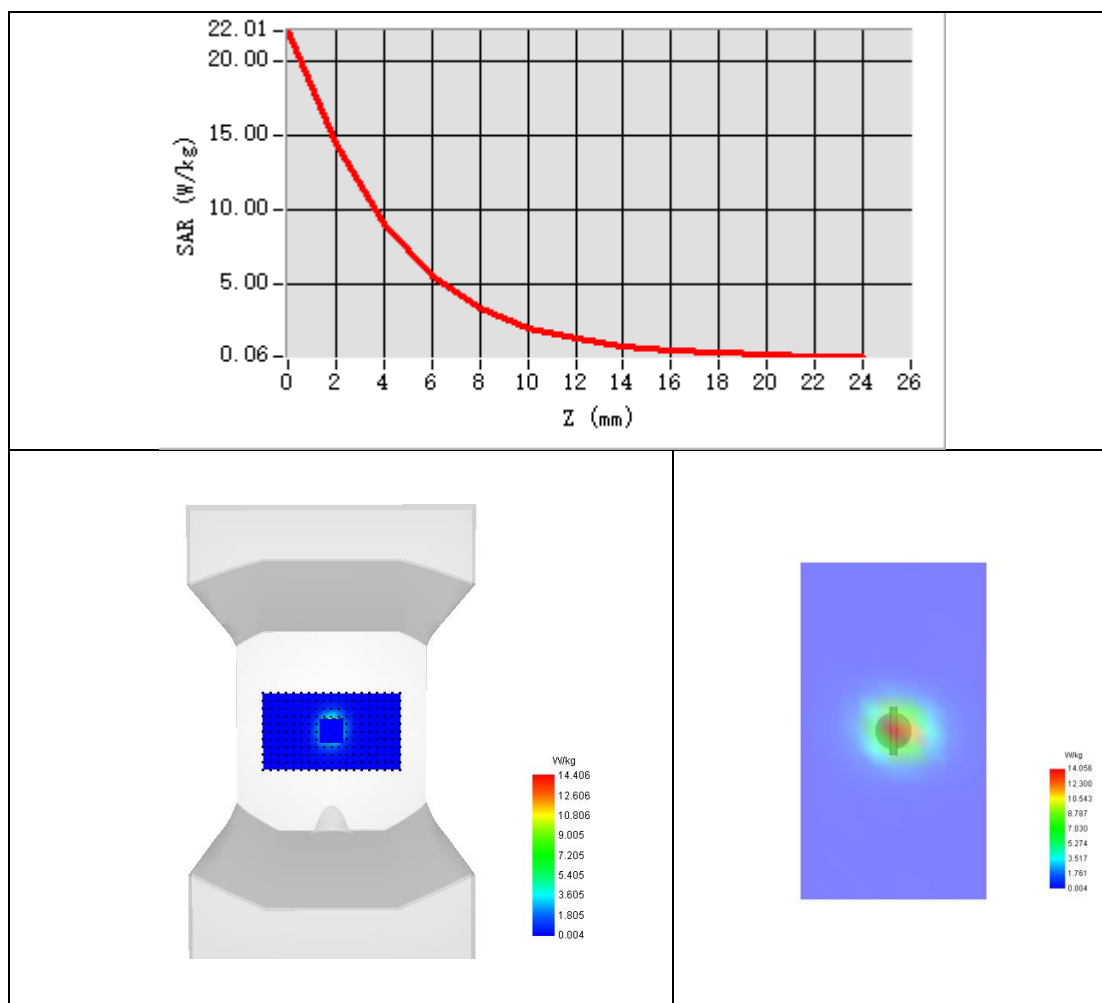


Maximum location: X=1.00, Y=0.00 ; SAR Peak: 22.74 W/kg

SAR 10g (W/Kg)	2.381
SAR 1g (W/Kg)	8.295



Z Axis Scan





System Performance Check Data (5800MHz)

Type: Phone measurement (Complete)

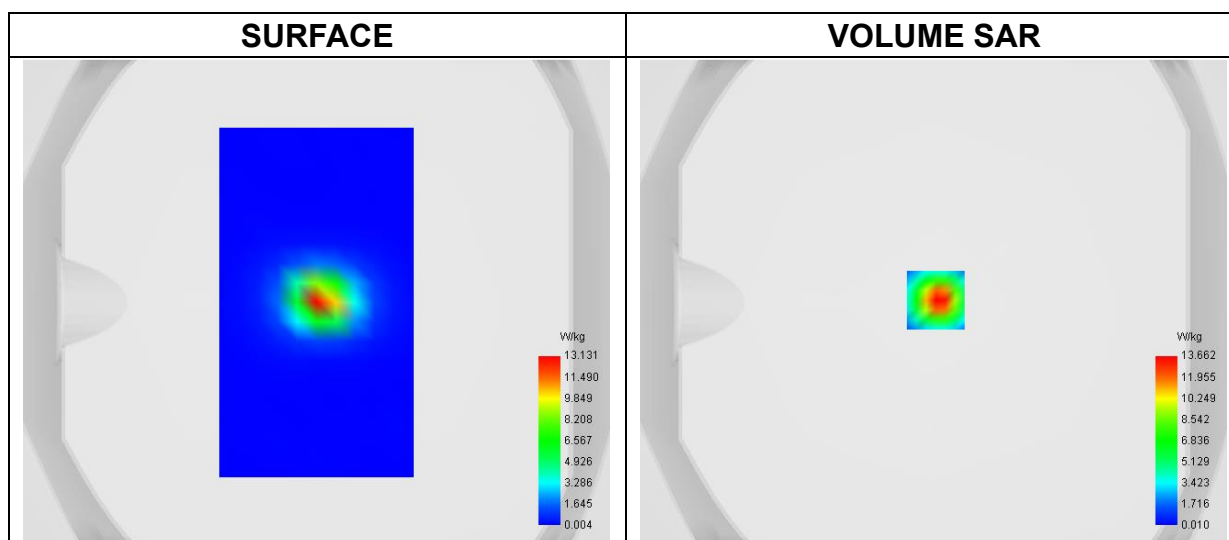
Area scan resolution: dx=8mm, dy=8mm

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

Date of measurement: 2025-10-04

Experimental conditions.

Phantom	Validation plane
Device Position	Dipole
Band	CW5800
Channels	Middle
Signal	CW
Frequency (MHz)	5800.000
Relative permittivity	36.10
Conductivity (S/m)	5.33
Probe	2225-EPGO-450
ConvF	1.62
Crest factor:	1:1

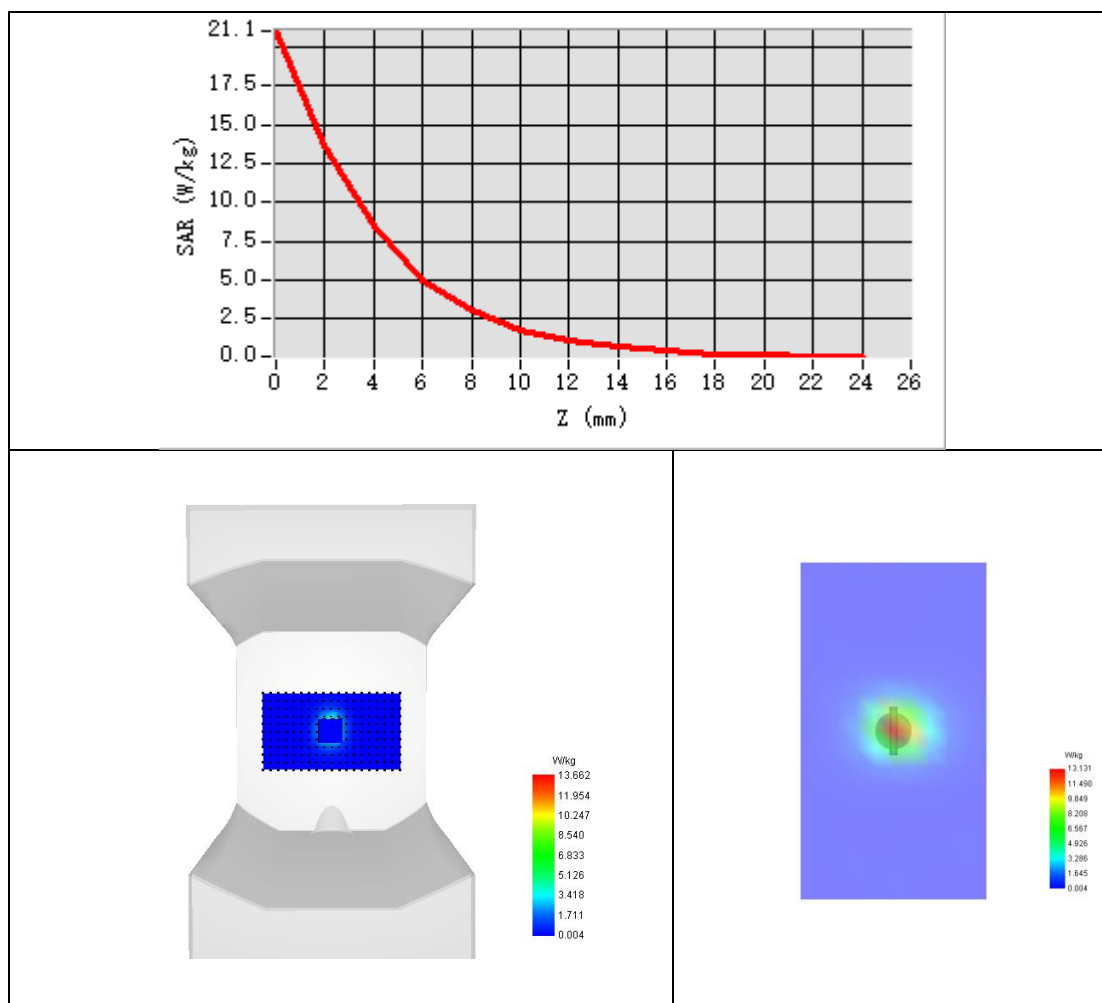


Maximum location: X=1.00, Y=1.00 ; SAR Peak: 21.66 W/kg

SAR 10g (W/Kg)	2.315
SAR 1g (W/Kg)	8.154



Z Axis Scan



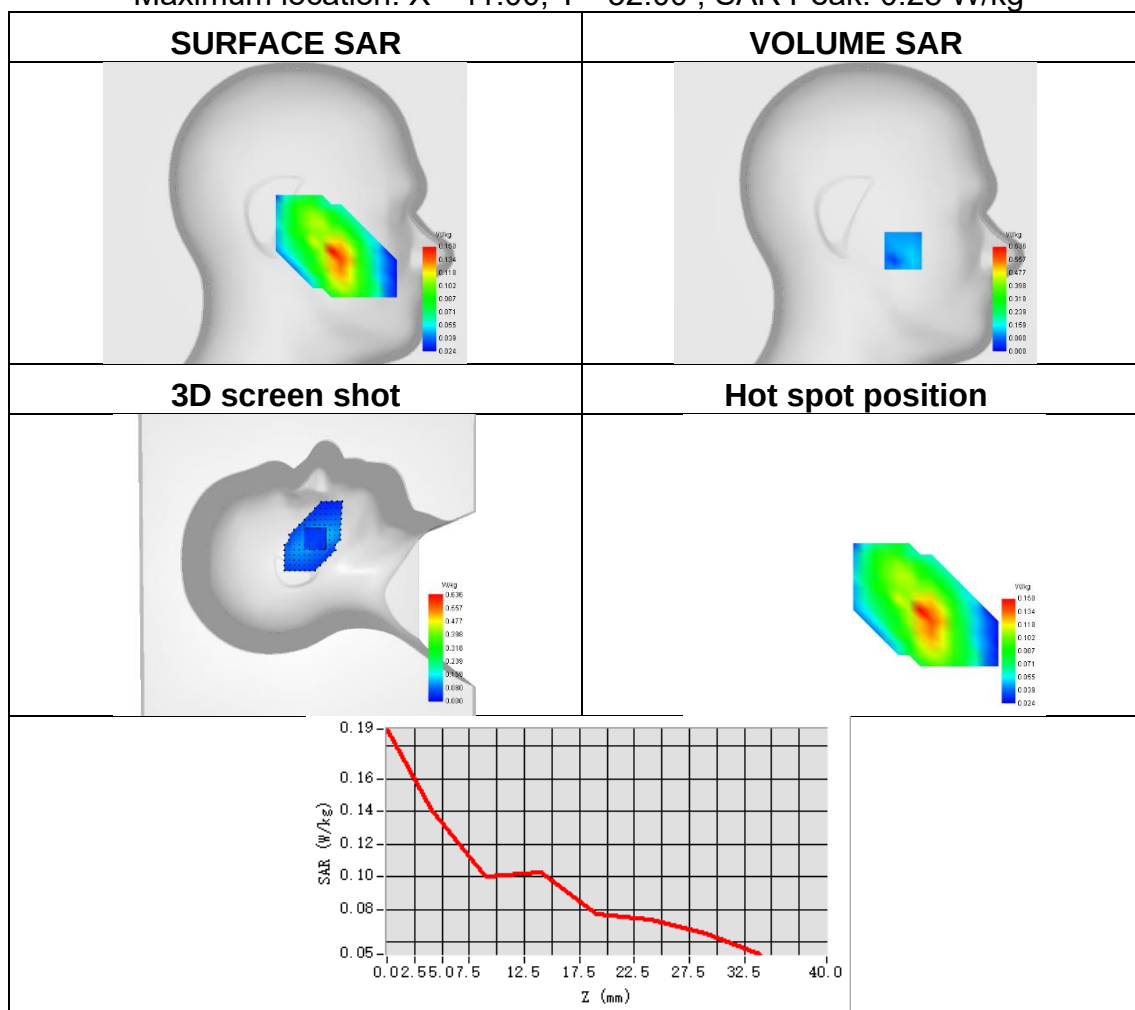


Appendix B. SAR Test Plots

Plot 1:

Test Date	2025-09-17
Area Scan	dx=8mm dy=8mm
Zoom Scan	5x5x7, dx=8mm dy=8mm dz=5mm
Phantom	Left head
Device Position	Cheek
Band	GPRS850
Signal	TDMA (GPRS)
Frequency	848.8
SAR 10g (W/Kg)	0.084
SAR 1g (W/Kg)	0.155
ConvF	1.02
Relative permittivity	41.86
Conductivity (S/m)	0.91

Maximum location: X=-41.00, Y=-32.00 ; SAR Peak: 0.28 W/kg

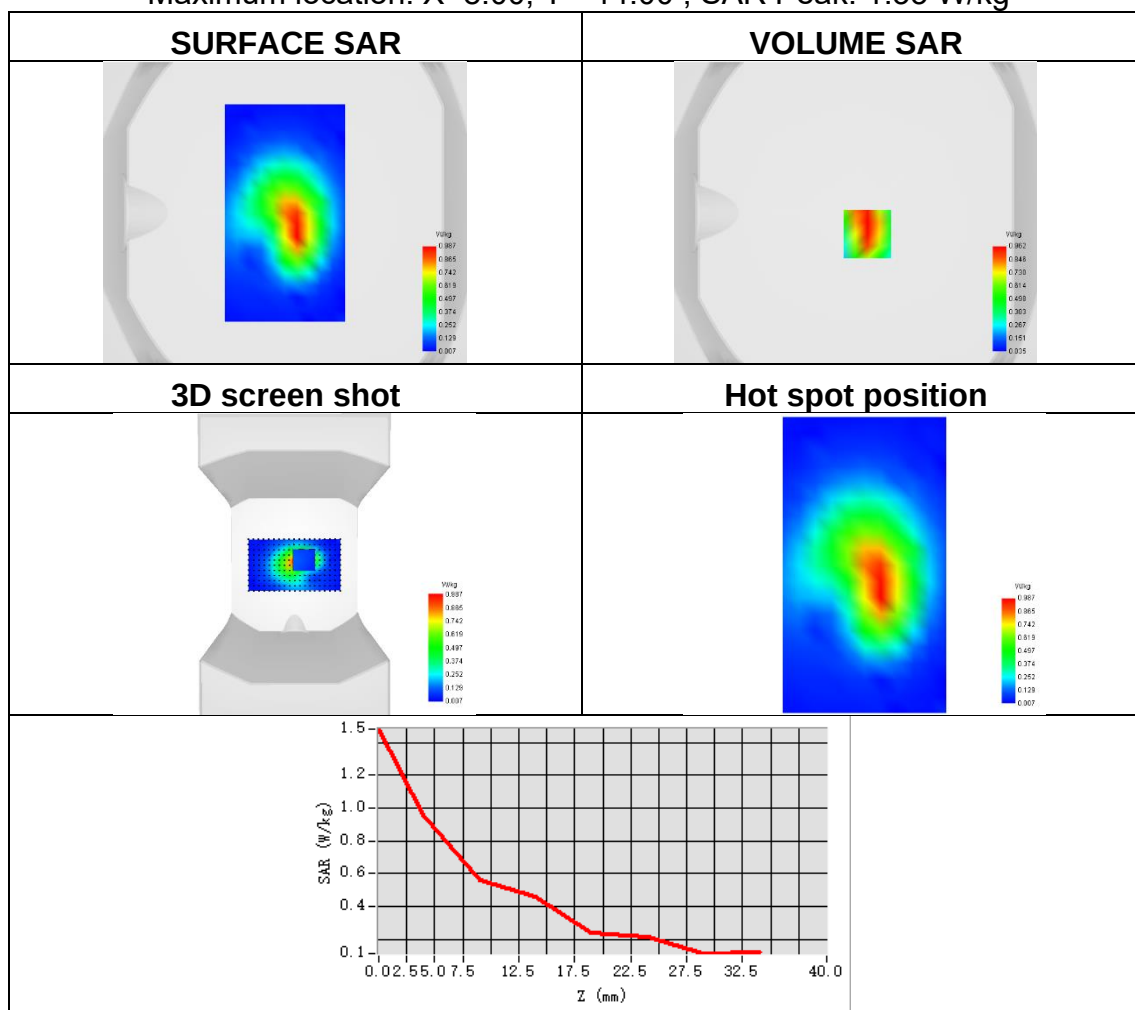




Plot 2:

Test Date	2025-09-17
Area Scan	dx=8mm dy=8mm
Zoom Scan	5x5x7,dx=8mm dy=8mm dz=5mm
Phantom	Validation plane
Device Position	Bottom Side
Band	GPRS850
Signal	TDMA (GPRS)
Frequency	848.8
SAR 10g (W/Kg)	0.527
SAR 1g (W/Kg)	0.908
ConvF	1.02
Relative permittivity	41.86
Conductivity (S/m)	0.91

Maximum location: X=8.00, Y=-14.00 ; SAR Peak: 1.33 W/kg

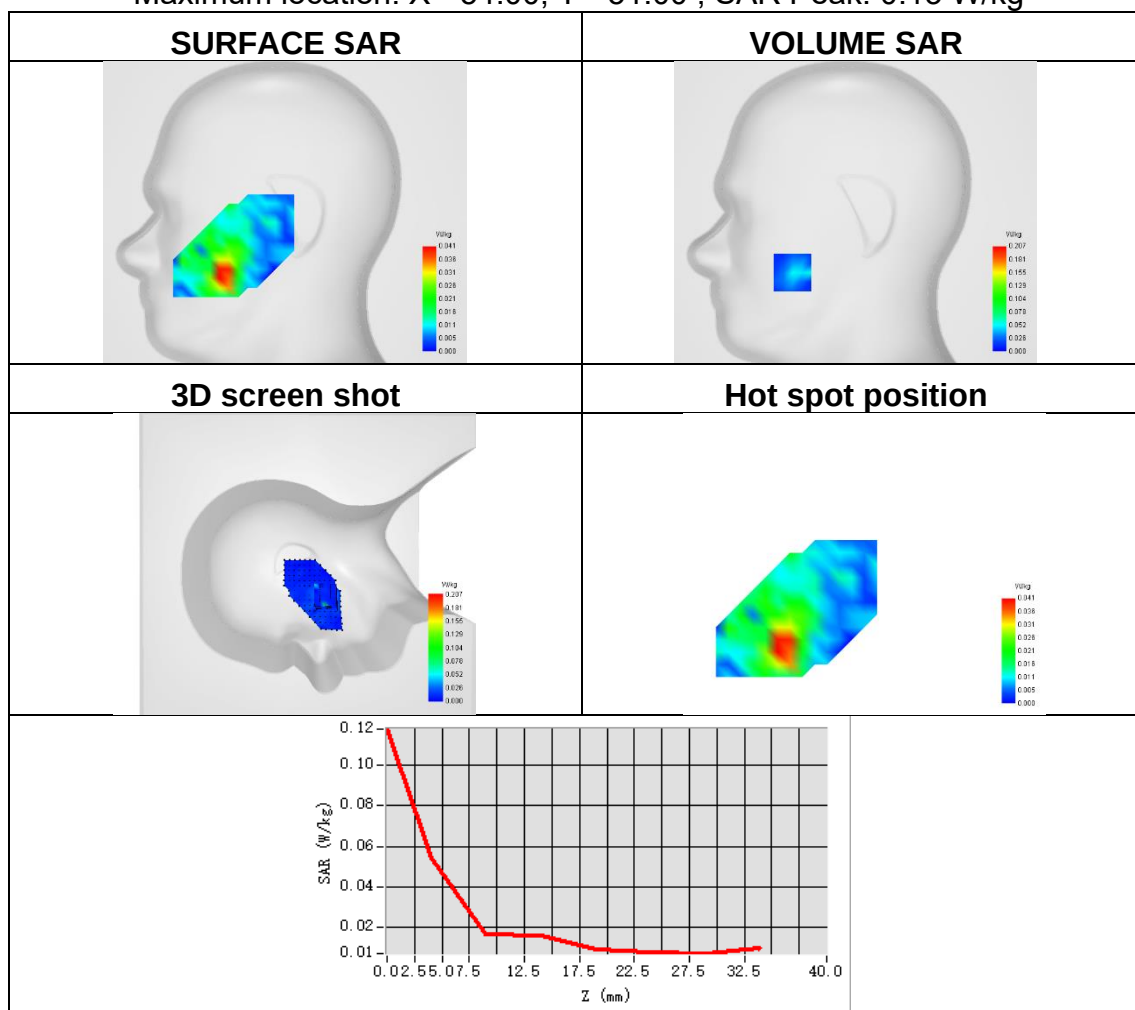




Plot 3:

Test Date	2025-09-18
Area Scan	dx=8mm dy=8mm
Zoom Scan	5x5x7,dx=8mm dy=8mm dz=5mm
Phantom	Right head
Device Position	Cheek
Band	GPRS1900
Signal	TDMA (GPRS)
Frequency	1880
SAR 10g (W/Kg)	0.023
SAR 1g (W/Kg)	0.057
ConvF	1.34
Relative permittivity	40.41
Conductivity (S/m)	1.38

Maximum location: X=-54.00, Y=-51.00 ; SAR Peak: 0.13 W/kg

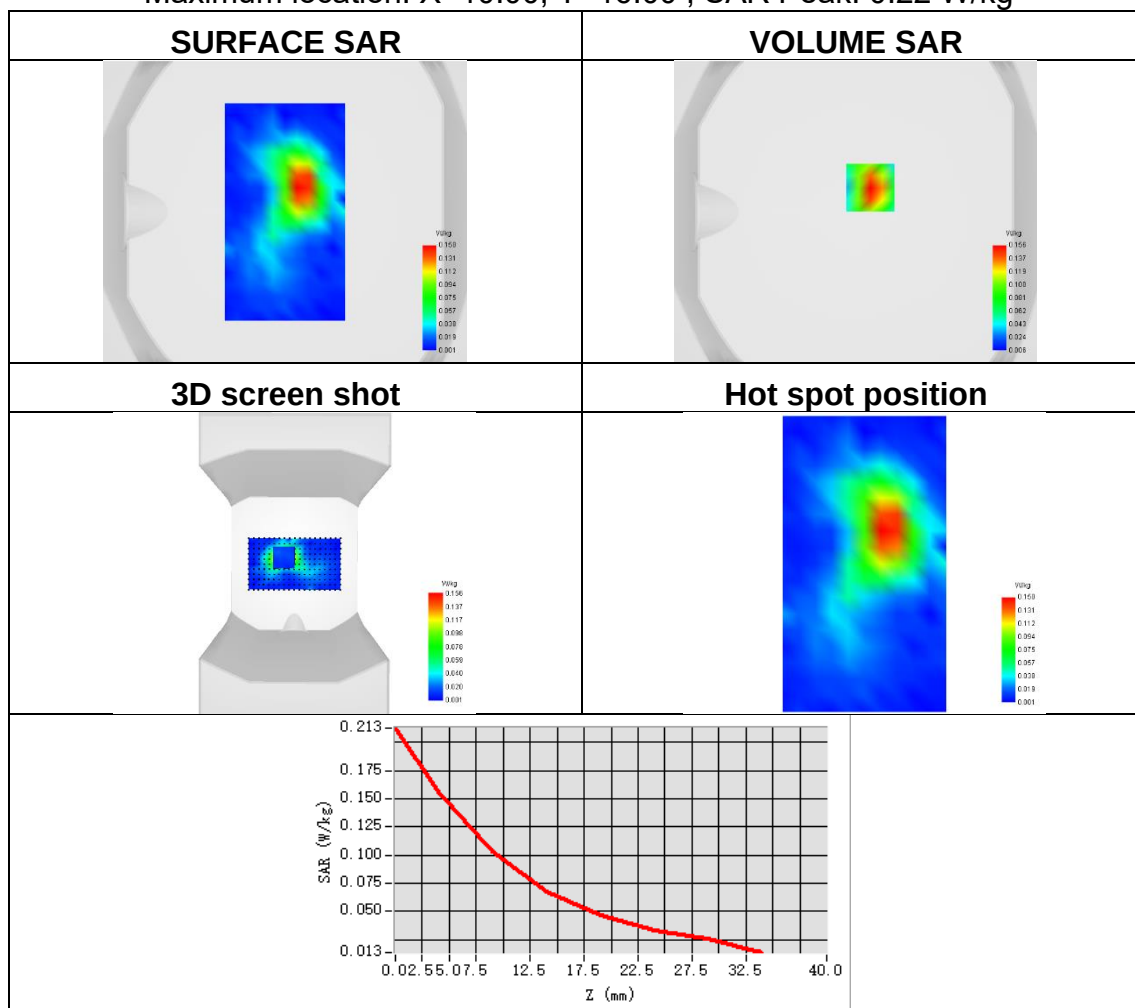




Plot 4:

Test Date	2025-09-18
Area Scan	dx=8mm dy=8mm
Zoom Scan	5x5x7,dx=8mm dy=8mm dz=5mm
Phantom	Validation plane
Device Position	Bottom Side
Band	GPRS1900
Signal	TDMA (GPRS)
Frequency	1880
SAR 10g (W/Kg)	0.085
SAR 1g (W/Kg)	0.146
ConvF	1.34
Relative permittivity	40.41
Conductivity (S/m)	1.38

Maximum location: X=10.00, Y=16.00 ; SAR Peak: 0.22 W/kg

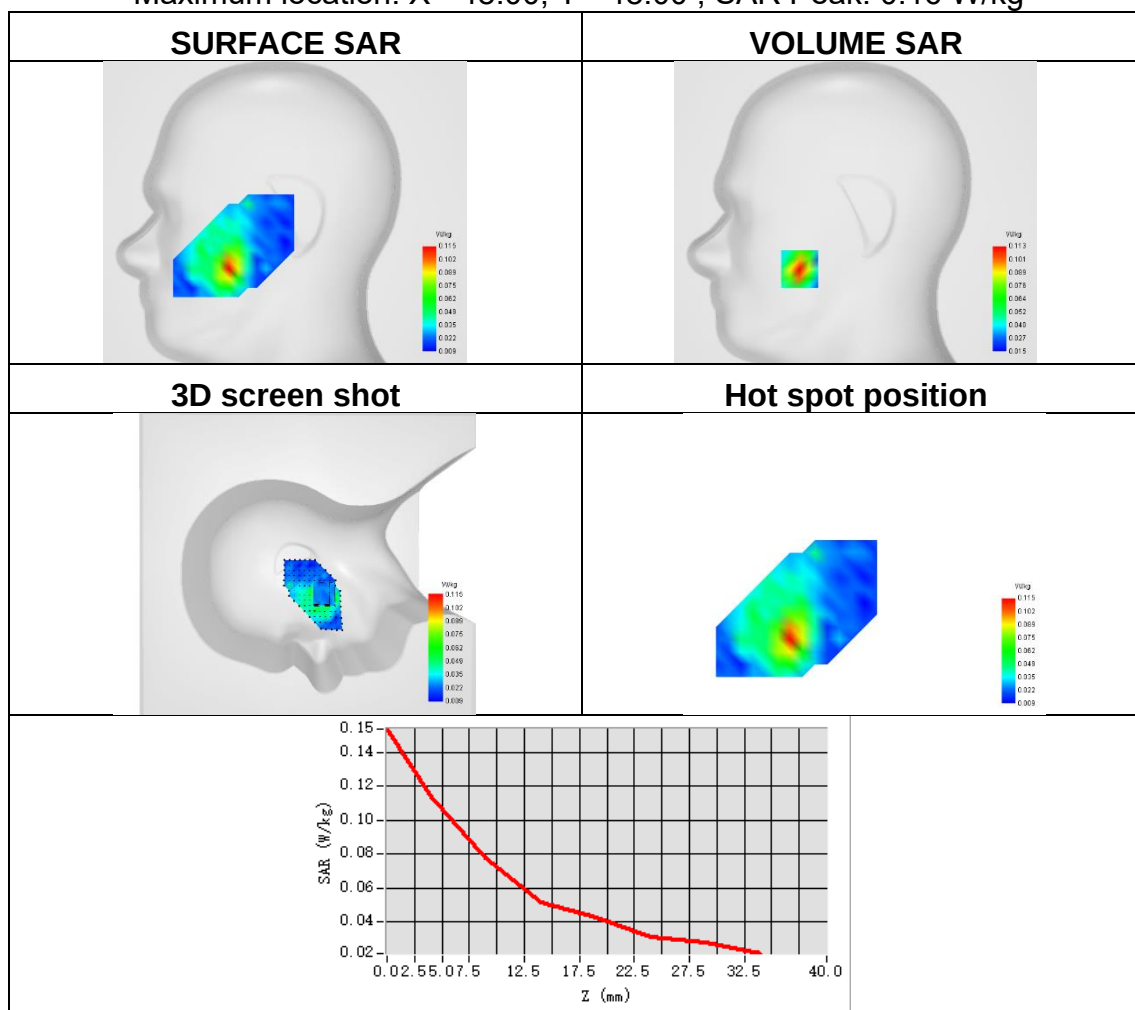




Plot 5:

Test Date	2025-09-18
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	1880
SAR 10g (W/Kg)	0.063
SAR 1g (W/Kg)	0.105
ConvF	1.34
Relative permittivity	40.41
Conductivity (S/m)	1.38

Maximum location: X=-48.00, Y=-48.00 ; SAR Peak: 0.16 W/kg

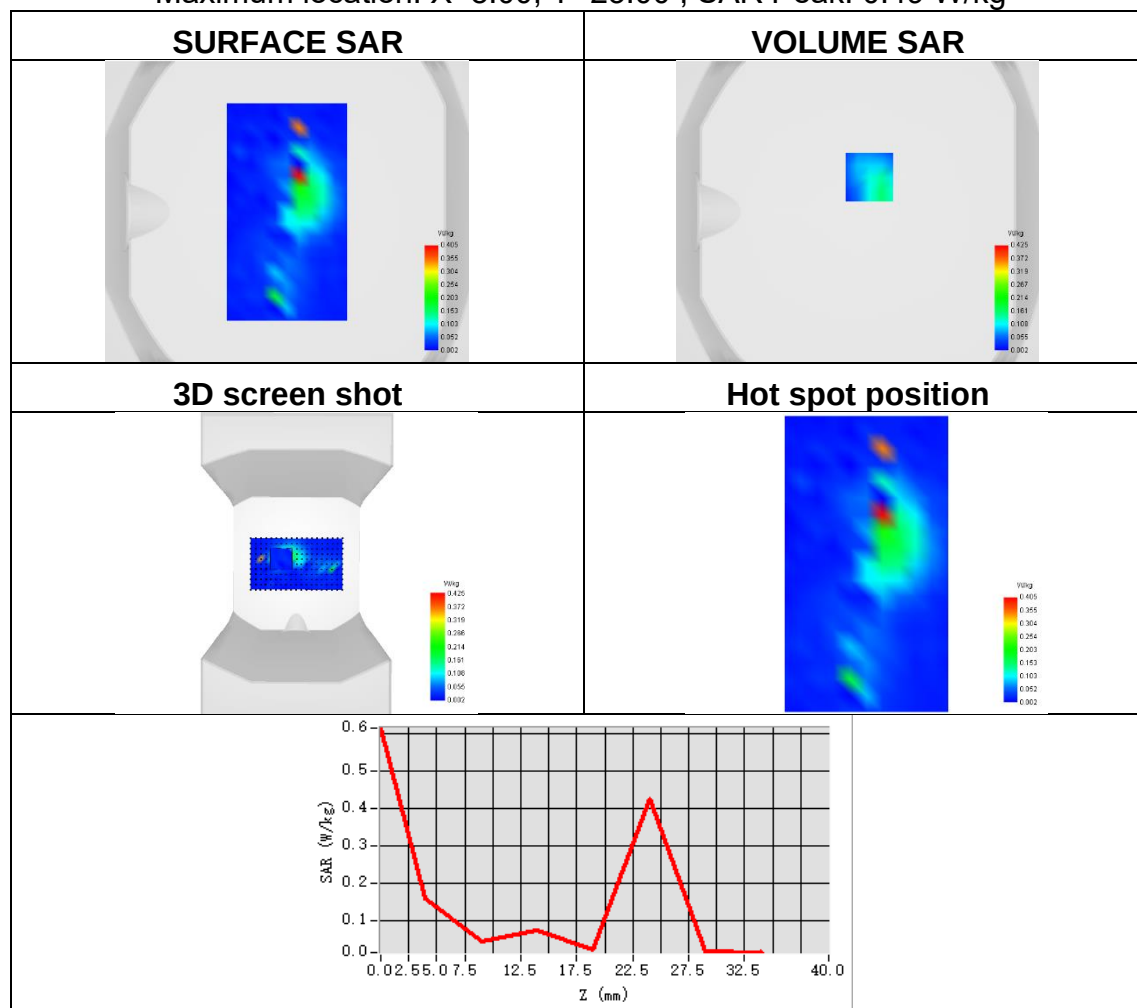




Plot 6:

Test Date	2025-09-18
Area Scan	dx=8mm dy=8mm
Zoom Scan	5x5x7,dx=8mm dy=8mm dz=5mm
Phantom	Validation plane
Device Position	Bottom Side
Band	Band 2 (1900)
Signal	WCDMA
Frequency	1880
SAR 10g (W/Kg)	0.078
SAR 1g (W/Kg)	0.177
ConvF	1.34
Relative permittivity	40.41
Conductivity (S/m)	1.38

Maximum location: X=8.00, Y=23.00 ; SAR Peak: 0.49 W/kg

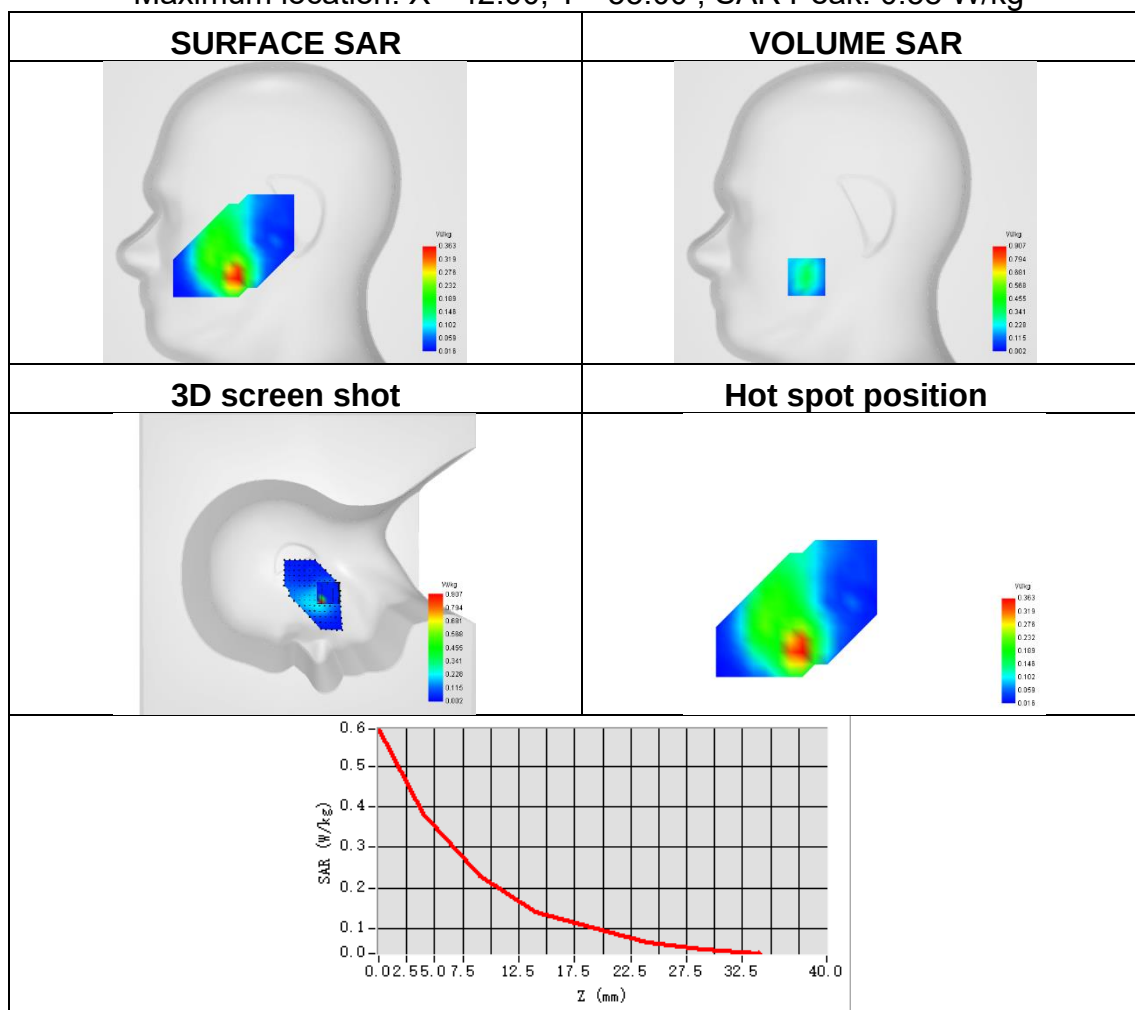




Plot 7:

Test Date	2025-09-23
Area Scan	dx=8mm dy=8mm
Zoom Scan	5x5x7,dx=8mm dy=8mm dz=5mm
Phantom	Right head
Device Position	Cheek
Band	Band 4 (1700)
Signal	WCDMA
Frequency	1712.6
SAR 10g (W/Kg)	0.196
SAR 1g (W/Kg)	0.350
ConvF	1.21
Relative permittivity	40.89
Conductivity (S/m)	1.44

Maximum location: X=-42.00, Y=-55.00 ; SAR Peak: 0.58 W/kg

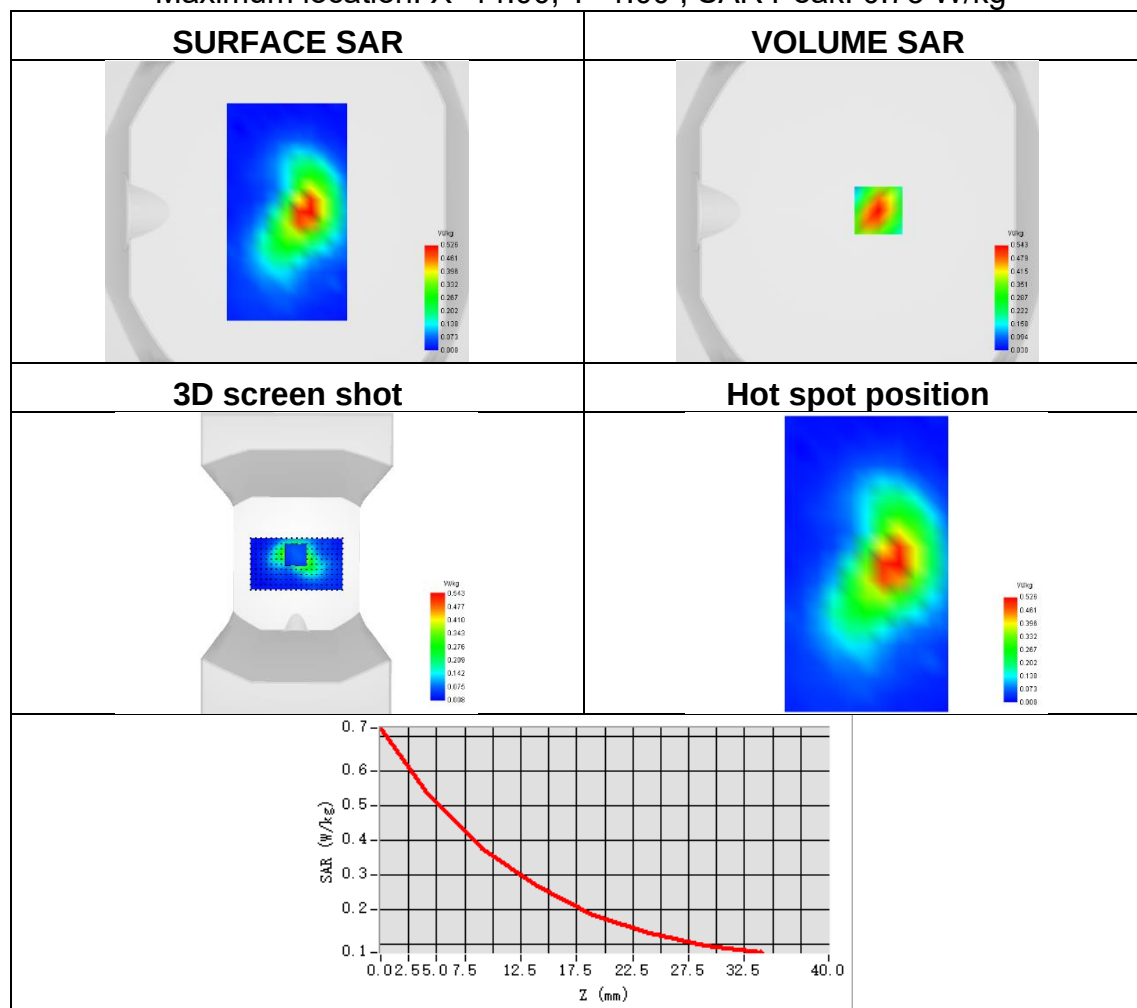




Plot 8:

Test Date	2025-09-23
Area Scan	dx=8mm dy=8mm
Zoom Scan	5x5x7,dx=8mm dy=8mm dz=5mm
Phantom	Validation plane
Device Position	Bottom Side
Band	Band 4 (1700)
Signal	WCDMA
Frequency	1712.6
SAR 10g (W/Kg)	0.313
SAR 1g (W/Kg)	0.510
ConvF	1.21
Relative permittivity	40.89
Conductivity (S/m)	1.44

Maximum location: X=14.00, Y=1.00 ; SAR Peak: 0.73 W/kg

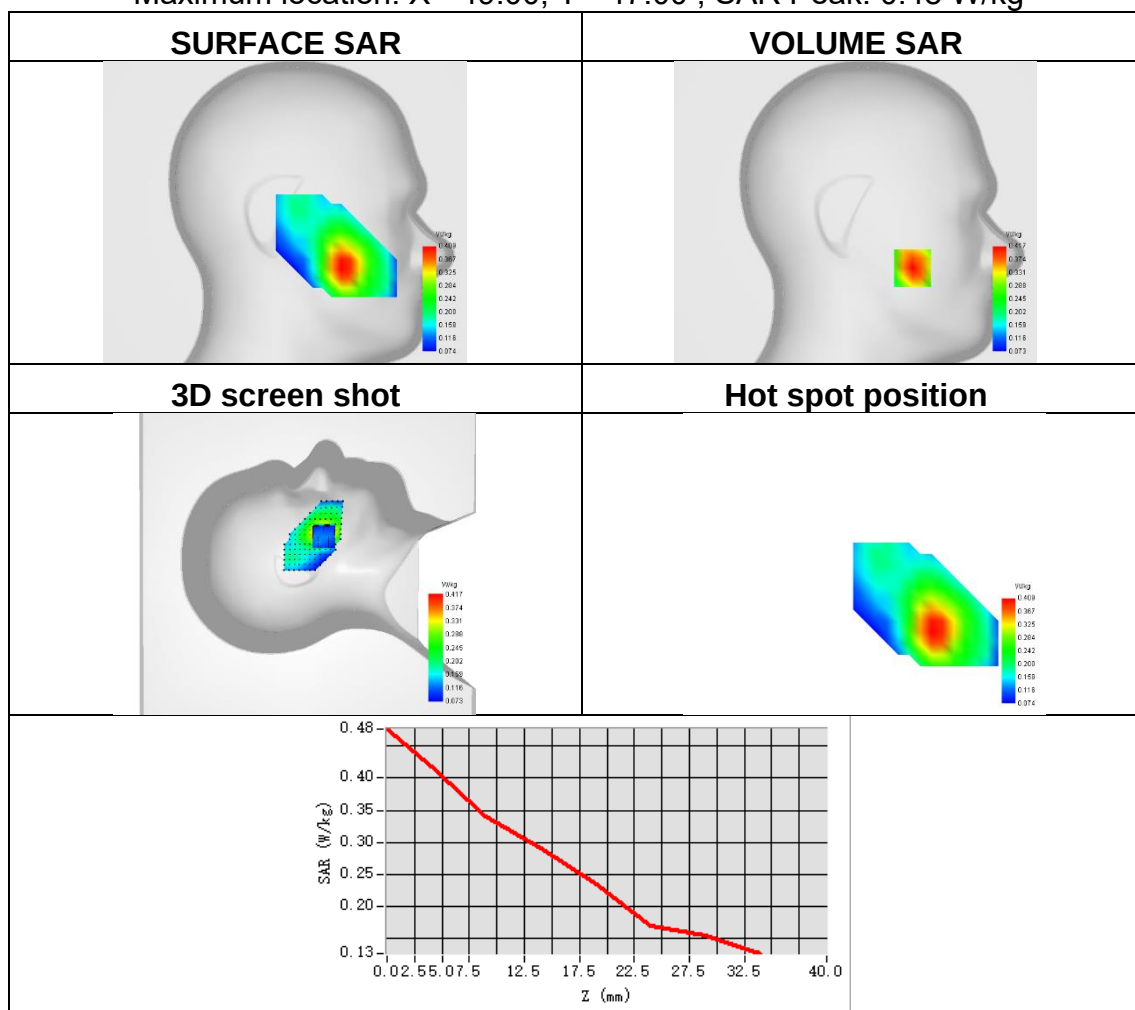




Plot 9:

Test Date	2025-09-17
Area Scan	dx=8mm dy=8mm
Zoom Scan	5x5x7,dx=8mm dy=8mm dz=5mm
Phantom	Left head
Device Position	Cheek
Band	Band 5 (850)
Signal	WCDMA
Frequency	846.6
SAR 10g (W/Kg)	0.302
SAR 1g (W/Kg)	0.397
ConvF	1.02
Relative permittivity	41.86
Conductivity (S/m)	0.91

Maximum location: X=-49.00, Y=-47.00 ; SAR Peak: 0.48 W/kg

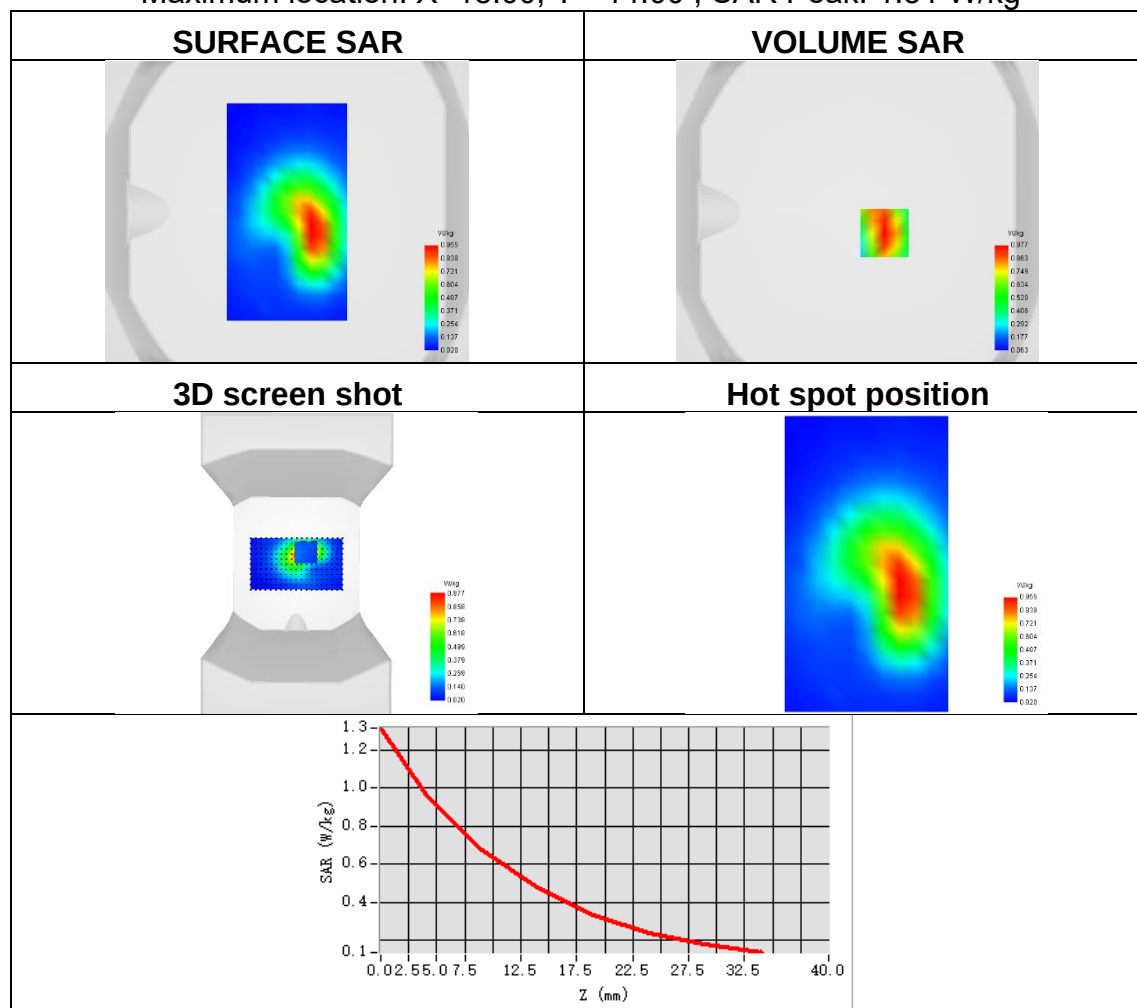




Plot 10:

Test Date	2025-09-17
Area Scan	dx=8mm dy=8mm
Zoom Scan	5x5x7,dx=8mm dy=8mm dz=5mm
Phantom	Validation plane
Device Position	Bottom Side
Band	Band 5 (850)
Signal	WCDMA
Frequency	846.6
SAR 10g (W/Kg)	0.590
SAR 1g (W/Kg)	0.923
ConvF	1.02
Relative permittivity	41.86
Conductivity (S/m)	0.91

Maximum location: X=18.00, Y=-14.00 ; SAR Peak: 1.31 W/kg

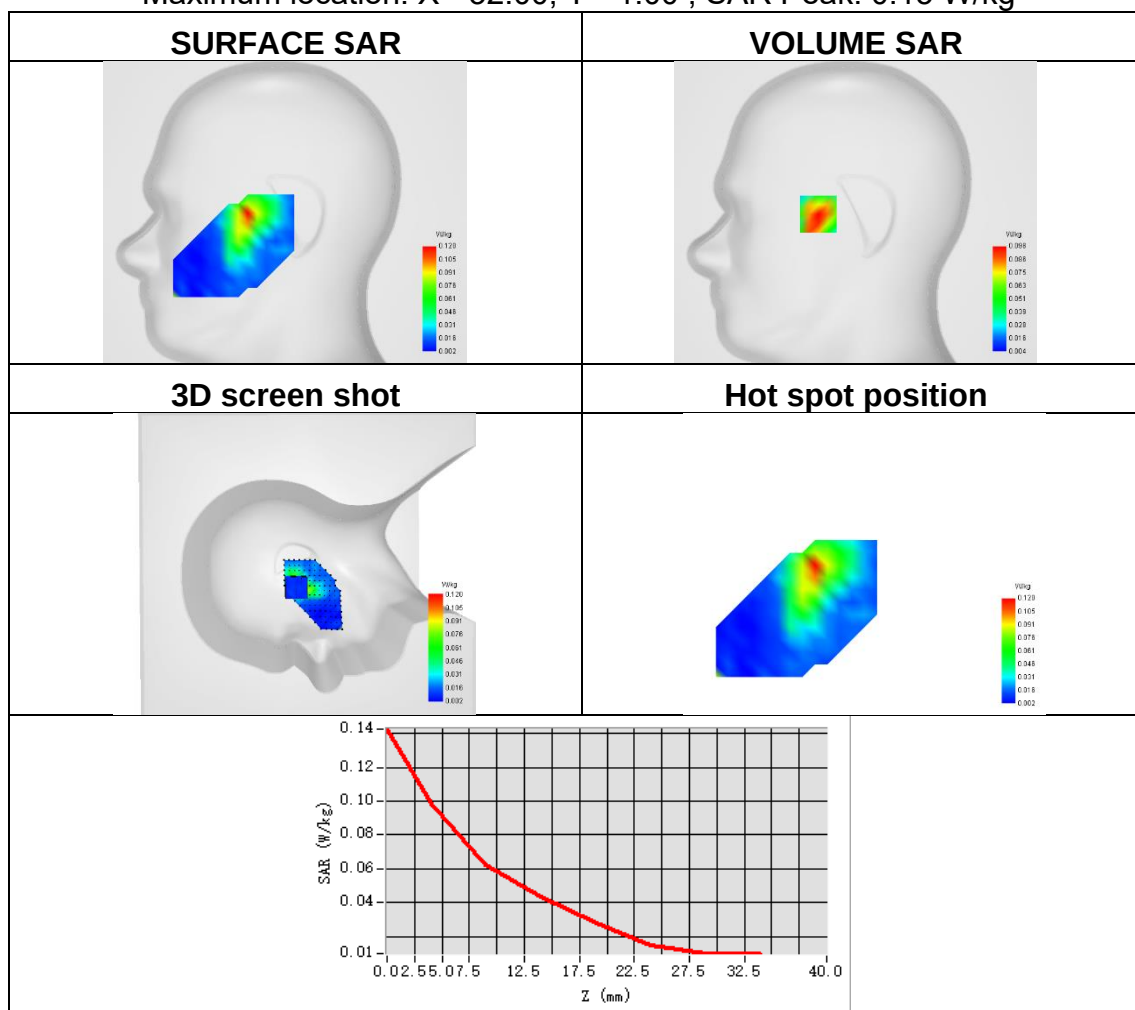




Plot 11:

Test Date	2025-09-26
Area Scan	dx=8mm dy=8mm
Zoom Scan	5x5x7,dx=8mm dy=8mm dz=5mm
Phantom	Right head
Device Position	Cheek
Band	ISM
Signal	IEEE 802.11ac
Frequency	2422
SAR 10g (W/Kg)	0.055
SAR 1g (W/Kg)	0.095
ConvF	1.51
Relative permittivity	39.80
Conductivity (S/m)	1.81

Maximum location: X=-32.00, Y=-1.00 ; SAR Peak: 0.15 W/kg

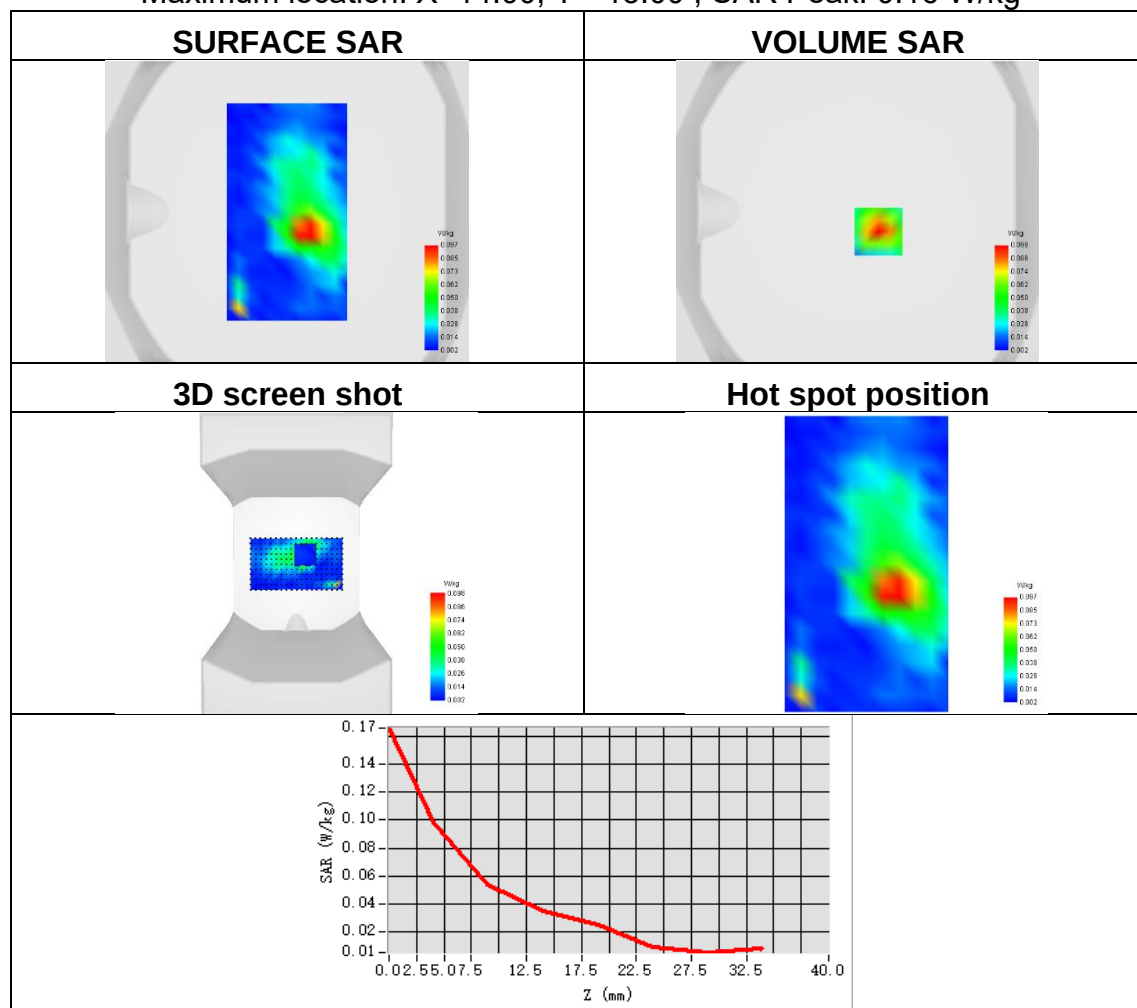




Plot 12:

Test Date	2025-09-26
Area Scan	dx=8mm dy=8mm
Zoom Scan	5x5x7,dx=8mm dy=8mm dz=5mm
Phantom	Validation plane
Device Position	Left Side
Band	ISM
Signal	IEEE 802.11ac
Frequency	2422
SAR 10g (W/Kg)	0.046
SAR 1g (W/Kg)	0.093
ConvF	1.51
Relative permittivity	39.80
Conductivity (S/m)	1.81

Maximum location: X=14.00, Y=-13.00 ; SAR Peak: 0.16 W/kg

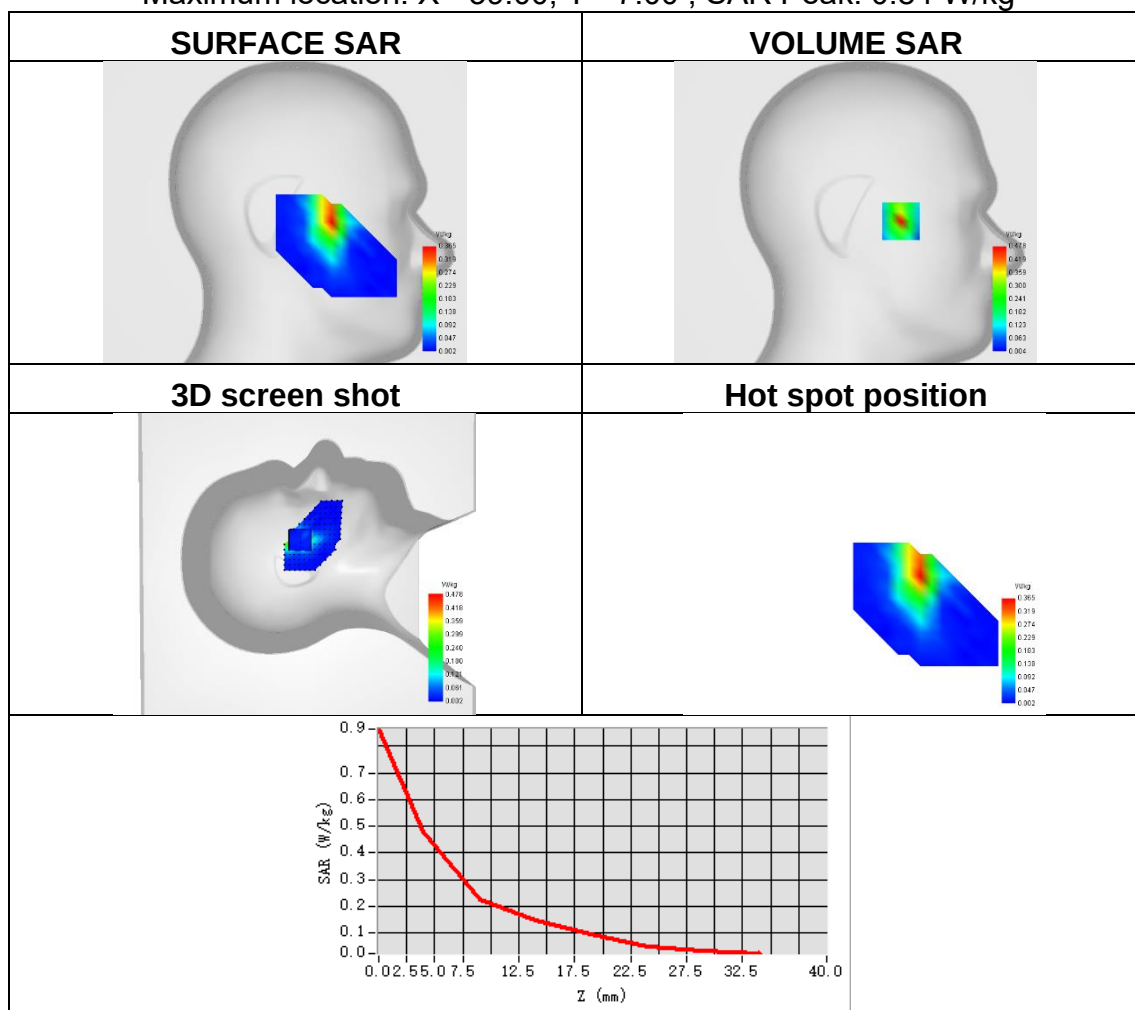




Plot 13:

Test Date	2025-09-26
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	2462
SAR 10g (W/Kg)	0.120
SAR 1g (W/Kg)	0.226
ConvF	1.51
Relative permittivity	39.80
Conductivity (S/m)	1.81

Maximum location: X=-39.00, Y=-7.00 ; SAR Peak: 0.84 W/kg

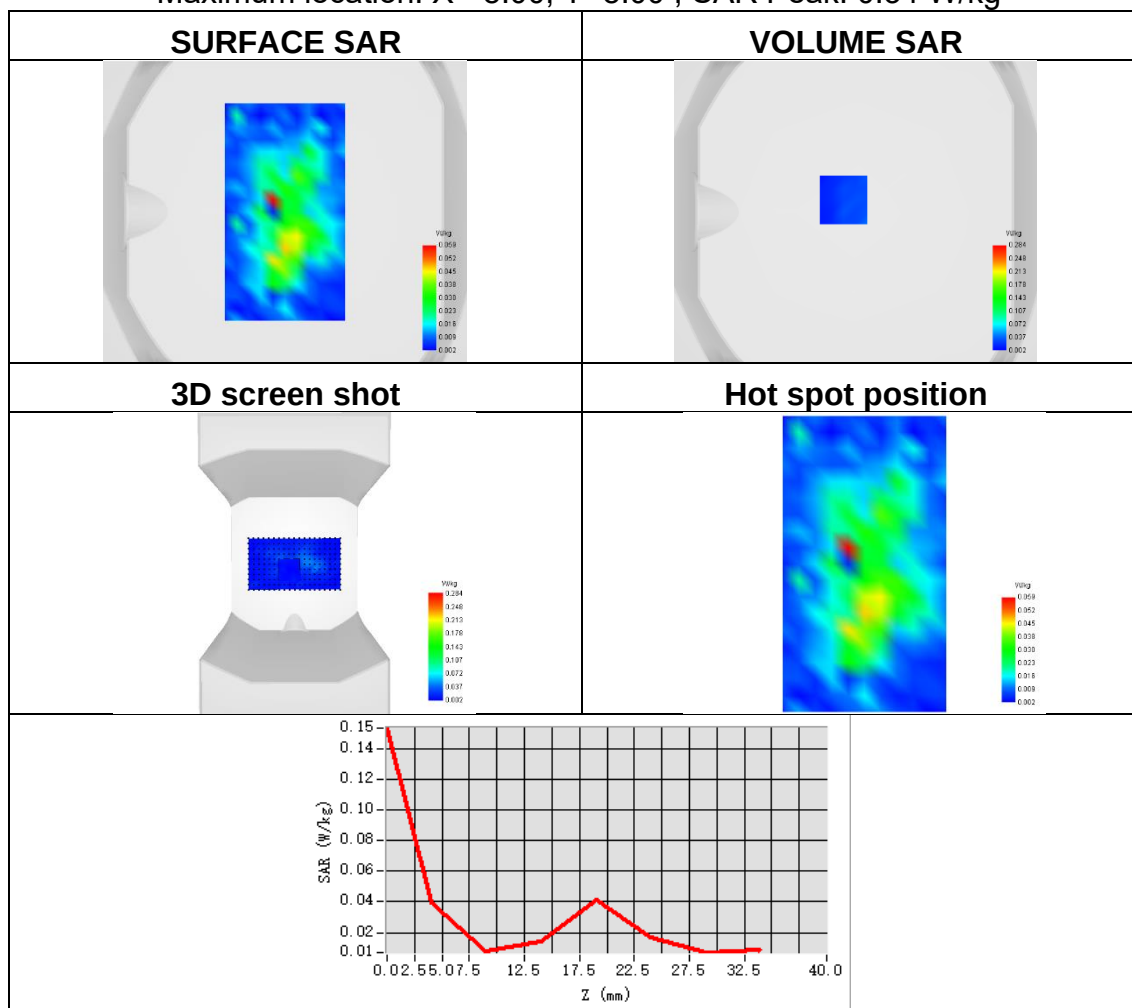




Plot 14:

Test Date	2025-09-26
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	2462
SAR 10g (W/Kg)	0.023
SAR 1g (W/Kg)	0.073
ConvF	1.51
Relative permittivity	39.80
Conductivity (S/m)	1.81

Maximum location: X=-8.00, Y=8.00 ; SAR Peak: 0.34 W/kg

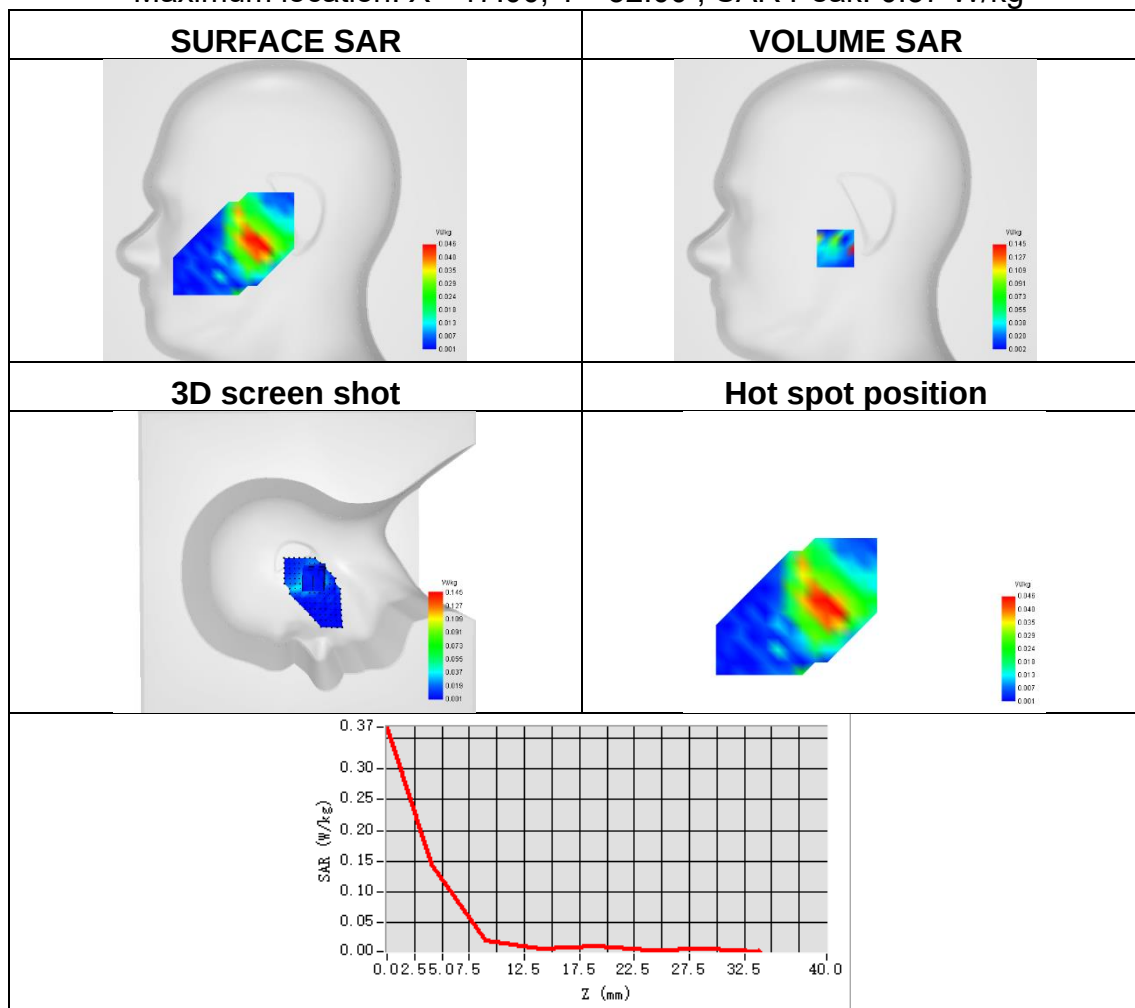




Plot 15:

Test Date	2025-09-26
Area Scan	dx=8mm dy=8mm
Zoom Scan	5x5x7,dx=8mm dy=8mm dz=5mm
Phantom	Right head
Device Position	Cheek
Band	ISM
Signal	IEEE 802.11ac
Frequency	2422
SAR 10g (W/Kg)	0.021
SAR 1g (W/Kg)	0.089
ConvF	1.51
Relative permittivity	39.80
Conductivity (S/m)	1.81

Maximum location: X=-17.00, Y=-32.00 ; SAR Peak: 0.37 W/kg

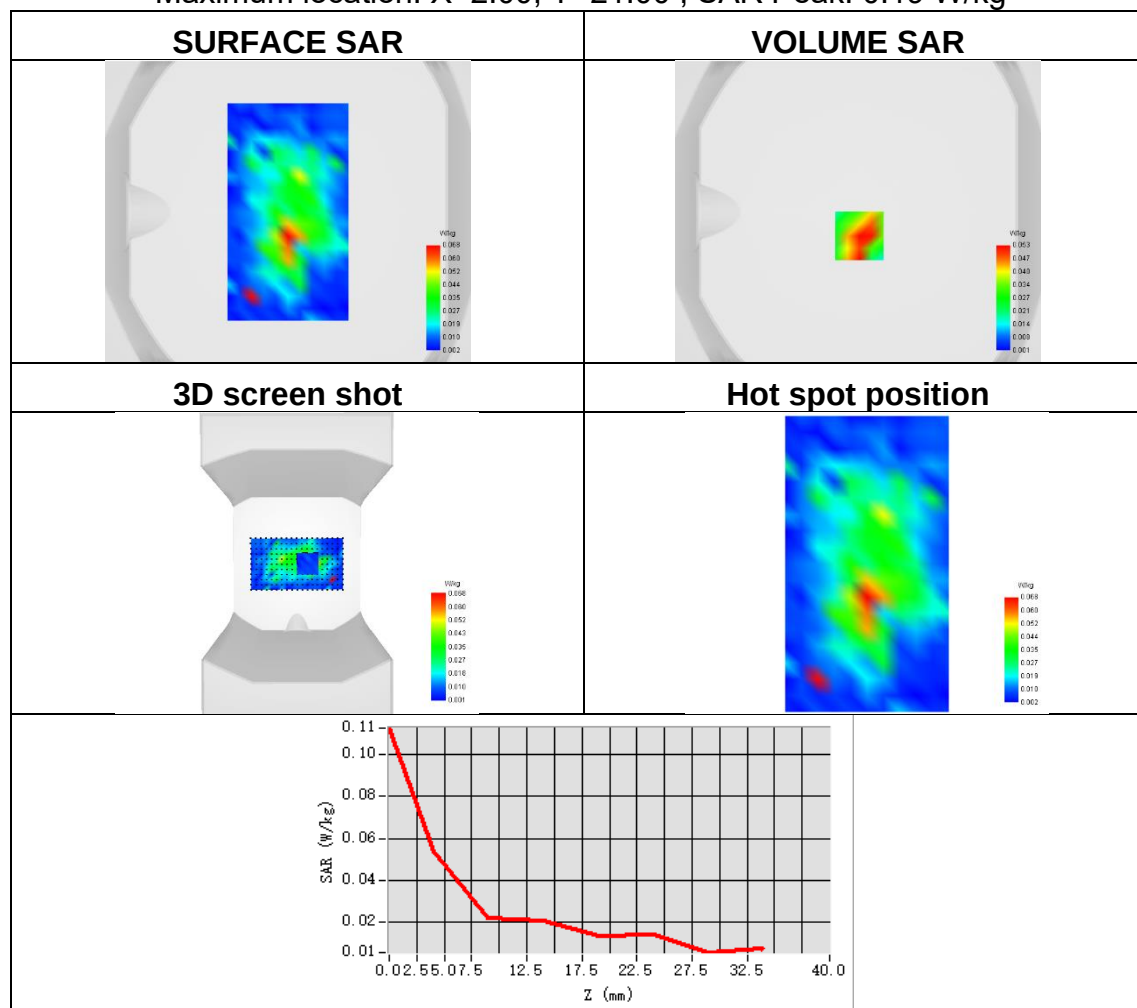




Plot 16:

Test Date	2025-09-26
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 802.11ac
Frequency	2422
SAR 10g (W/Kg)	0.029
SAR 1g (W/Kg)	0.064
ConvF	1.51
Relative permittivity	39.80
Conductivity (S/m)	1.81

Maximum location: X=2.00, Y=21.00 ; SAR Peak: 0.19 W/kg

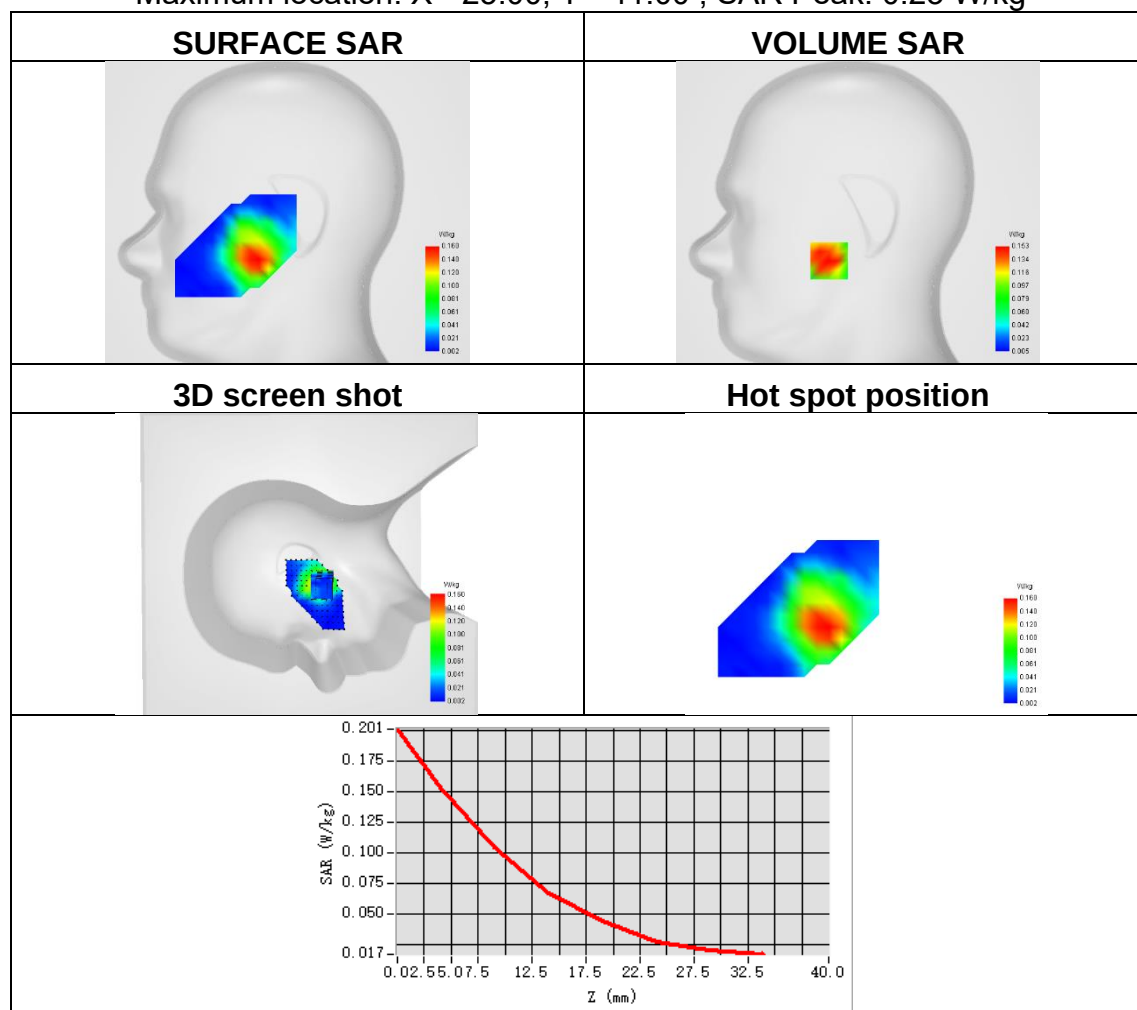




Plot 17:

Test Date	2025-09-26
Area Scan	dx=8mm dy=8mm
Zoom Scan	5x5x7,dx=8mm dy=8mm dz=5mm
Phantom	Right head
Device Position	Cheek
Band	ISM
Signal	IEEE 802.11ac
Frequency	2422
SAR 10g (W/Kg)	0.090
SAR 1g (W/Kg)	0.145
ConvF	1.51
Relative permittivity	39.80
Conductivity (S/m)	1.81

Maximum location: X=-25.00, Y=-41.00 ; SAR Peak: 0.23 W/kg

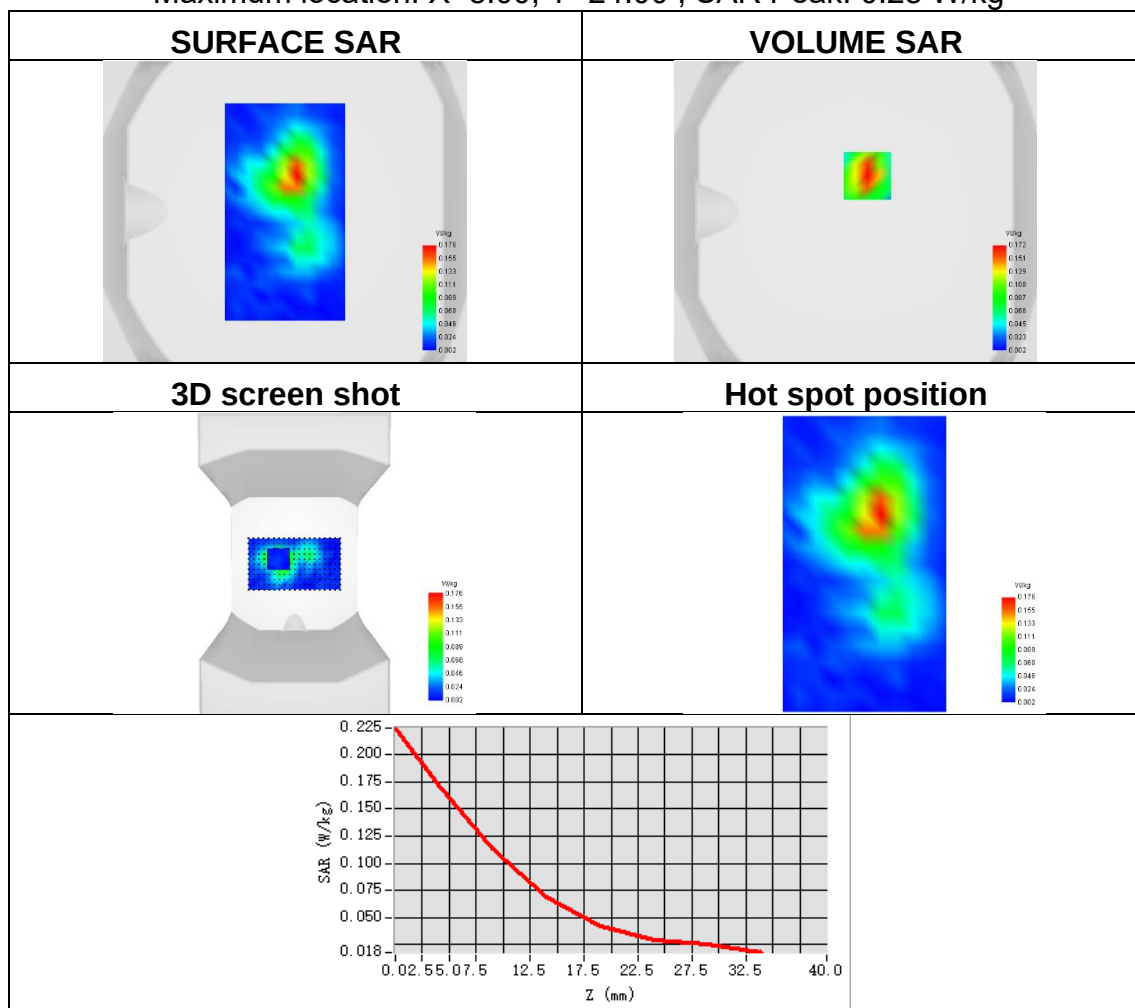




Plot 18:

Test Date	2025-09-26
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 802.11ac
Frequency	2422
SAR 10g (W/Kg)	0.084
SAR 1g (W/Kg)	0.159
ConvF	1.51
Relative permittivity	39.80
Conductivity (S/m)	1.81

Maximum location: X=8.00, Y=24.00 ; SAR Peak: 0.28 W/kg

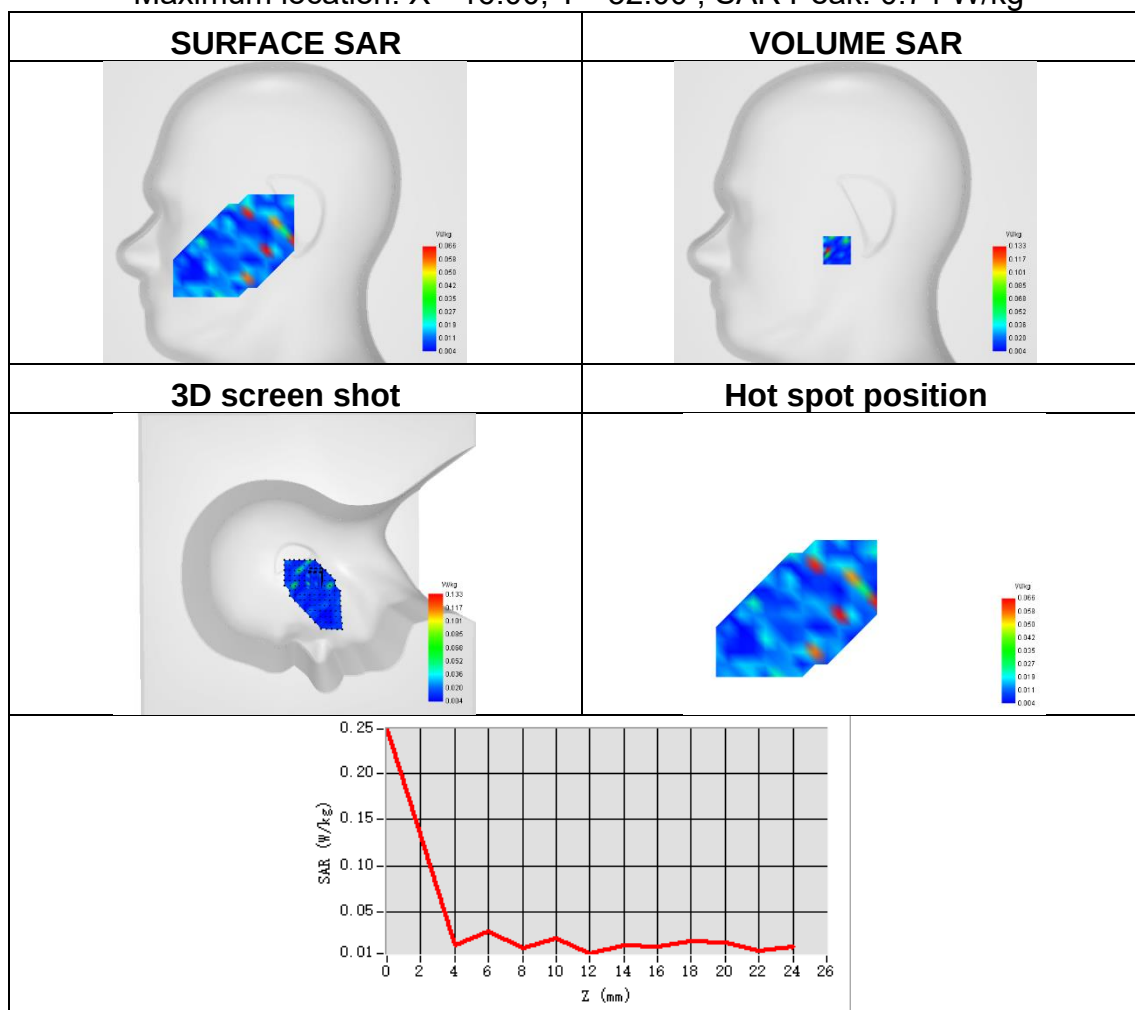




Plot 19:

Test Date	2025-09-26
Area Scan	dx=8mm dy=8mm
Zoom Scan	7x7x12,dx=4mm dy=4mm dz=2mm
Phantom	Right head
Device Position	Cheek
Band	U-NII-1
Signal	IEEE 802.11a
Frequency	5200
SAR 10g (W/Kg)	0.013
SAR 1g (W/Kg)	0.071
ConvF	1.58
Relative permittivity	39.80
Conductivity (S/m)	1.81

Maximum location: X=-16.00, Y=-32.00 ; SAR Peak: 0.74 W/kg

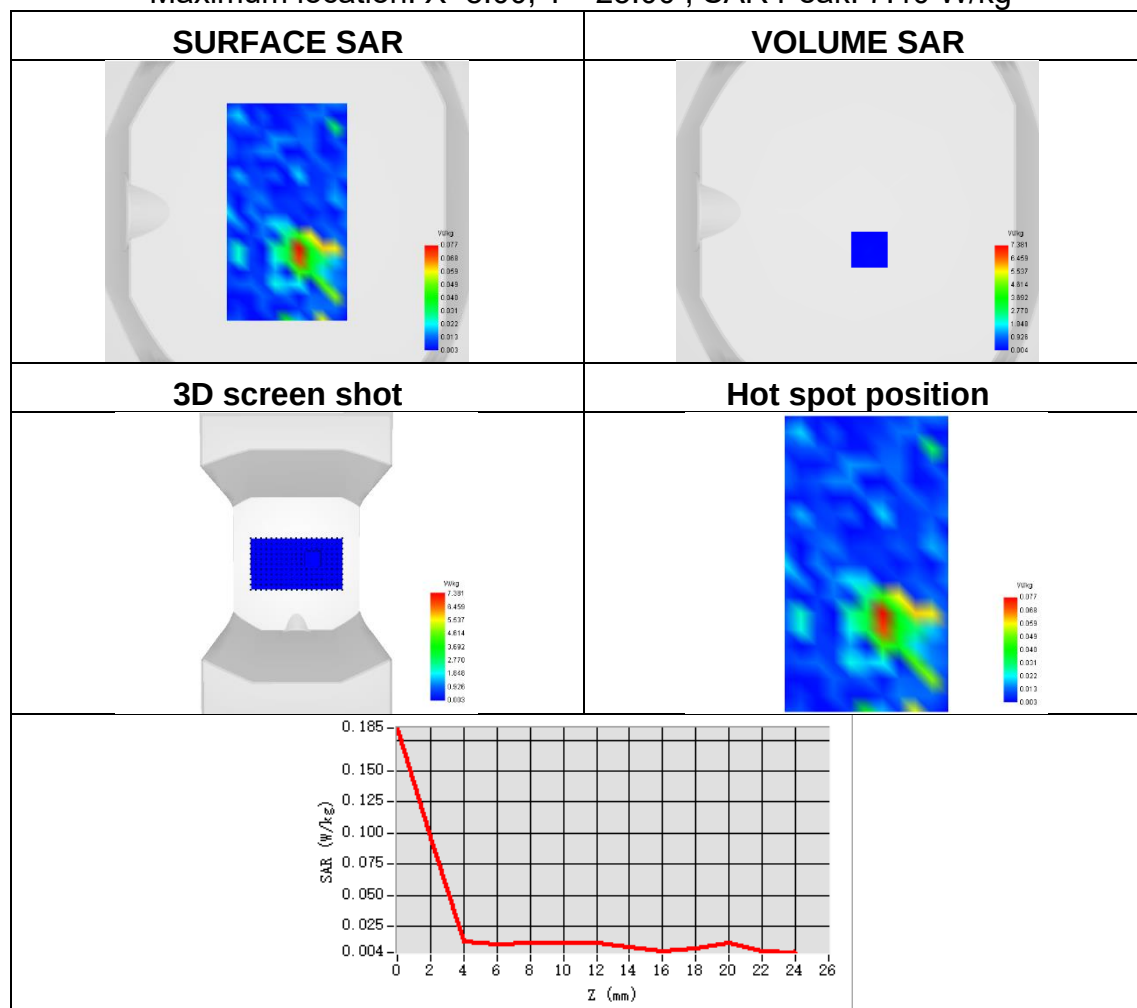




Plot 20:

Test Date	2025-09-26
Area Scan	dx=8mm dy=8mm
Zoom Scan	7x7x12,dx=4mm dy=4mm dz=2mm
Phantom	Validation plane
Device Position	Left Side
Band	U-NII-1
Signal	IEEE 802.11a
Frequency	5200
SAR 10g (W/Kg)	0.036
SAR 1g (W/Kg)	0.098
ConvF	1.58
Relative permittivity	39.80
Conductivity (S/m)	1.81

Maximum location: X=8.00, Y=-25.00 ; SAR Peak: 7.40 W/kg





Plot 21:

Test Date	2025-09-28
Area Scan	dx=8mm dy=8mm
Zoom Scan	7x7x12,dx=4mm dy=4mm dz=2mm
Phantom	Left head
Device Position	Cheek
Band	U-NII-1
Signal	IEEE 802.11a
Frequency	5180
SAR 10g (W/Kg)	0.019
SAR 1g (W/Kg)	0.037
ConvF	1.58
Relative permittivity	37.02
Conductivity (S/m)	4.67

Maximum location: X=-40.00, Y=-24.00 ; SAR Peak: 1.02 W/kg

