



Top Edge



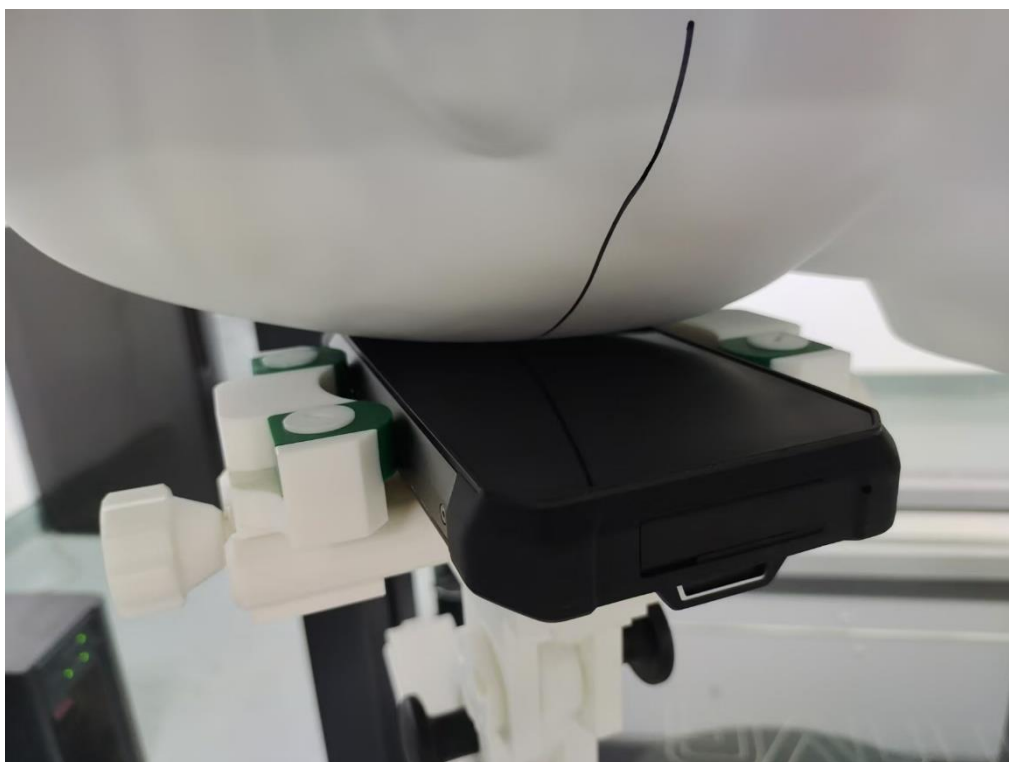
Bottom Edge



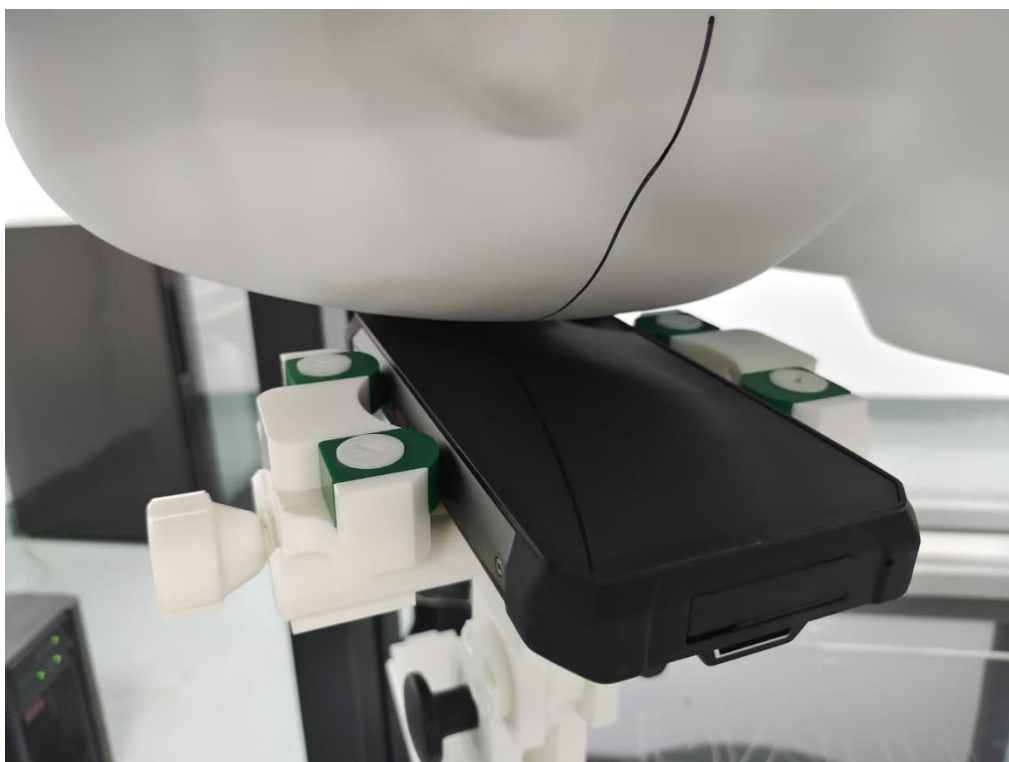


11.2 Setup Photos

Right Touch

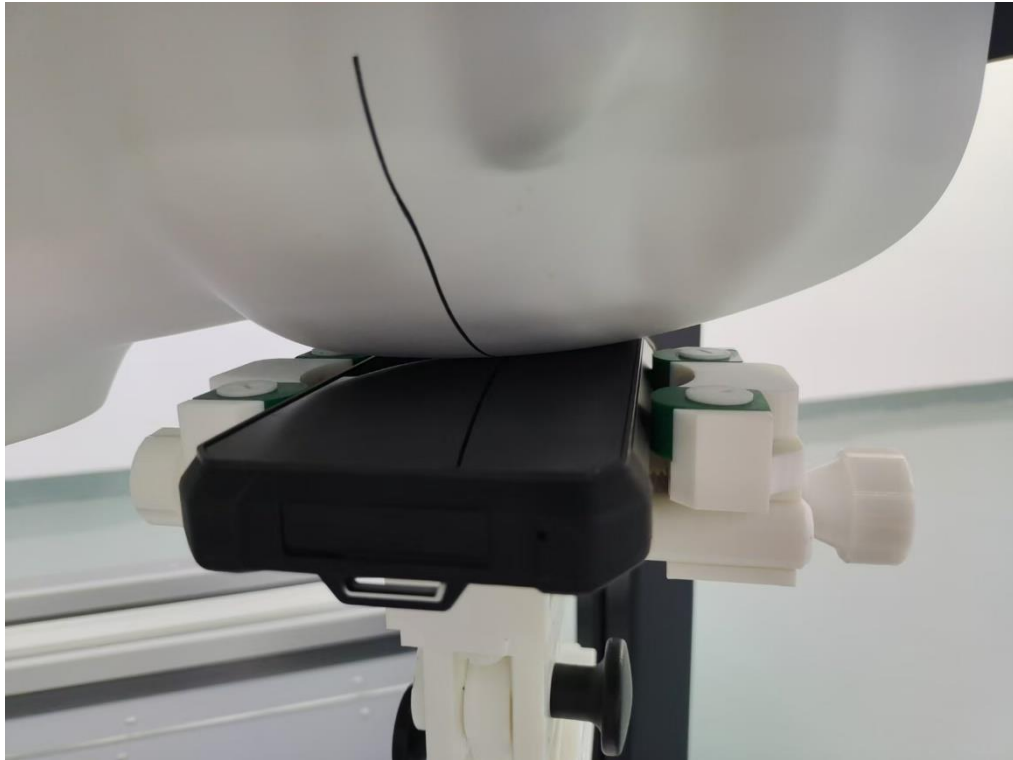


Right Tilt

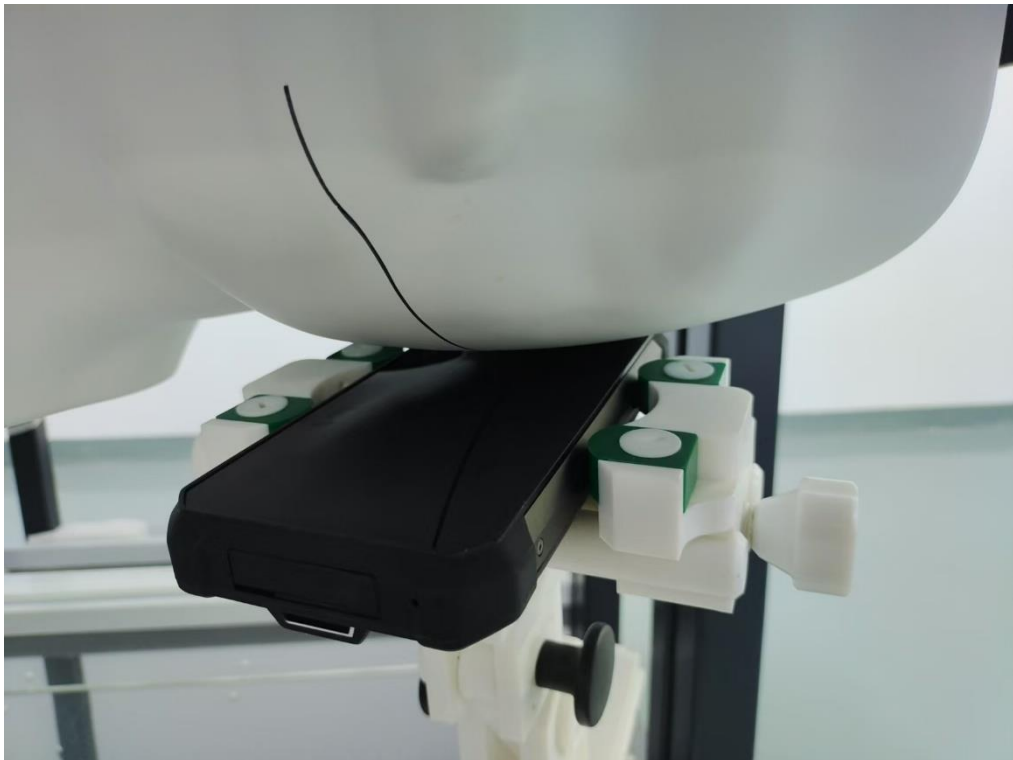




Left Touch



Left Tilt

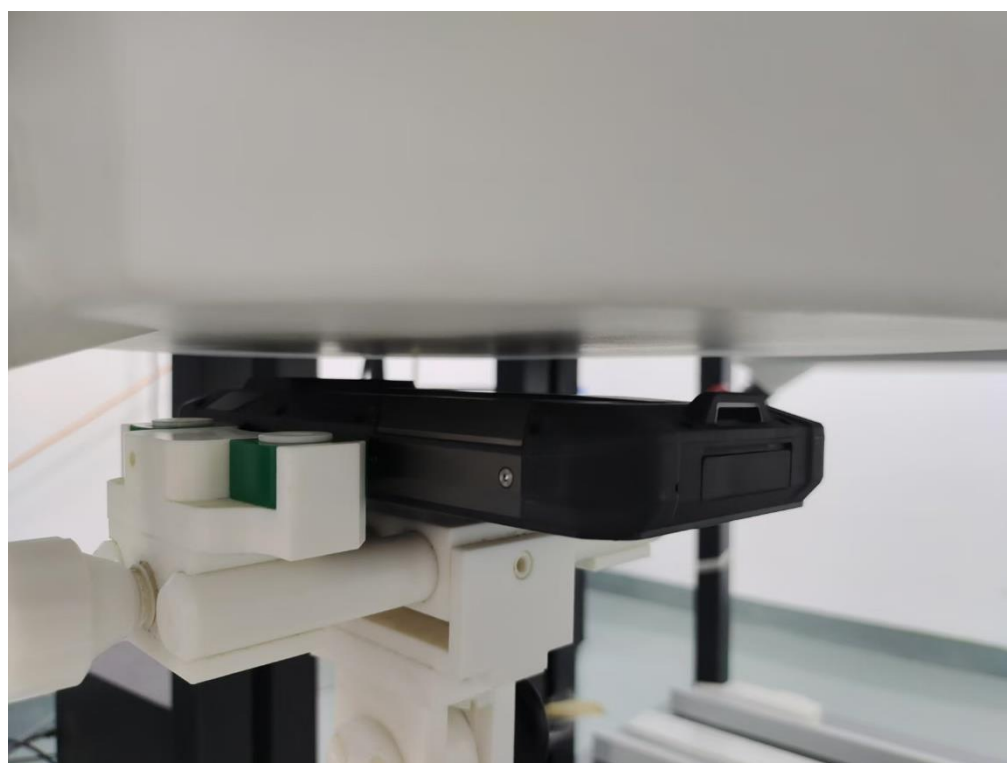




Body Front side (separation distance is 10mm)

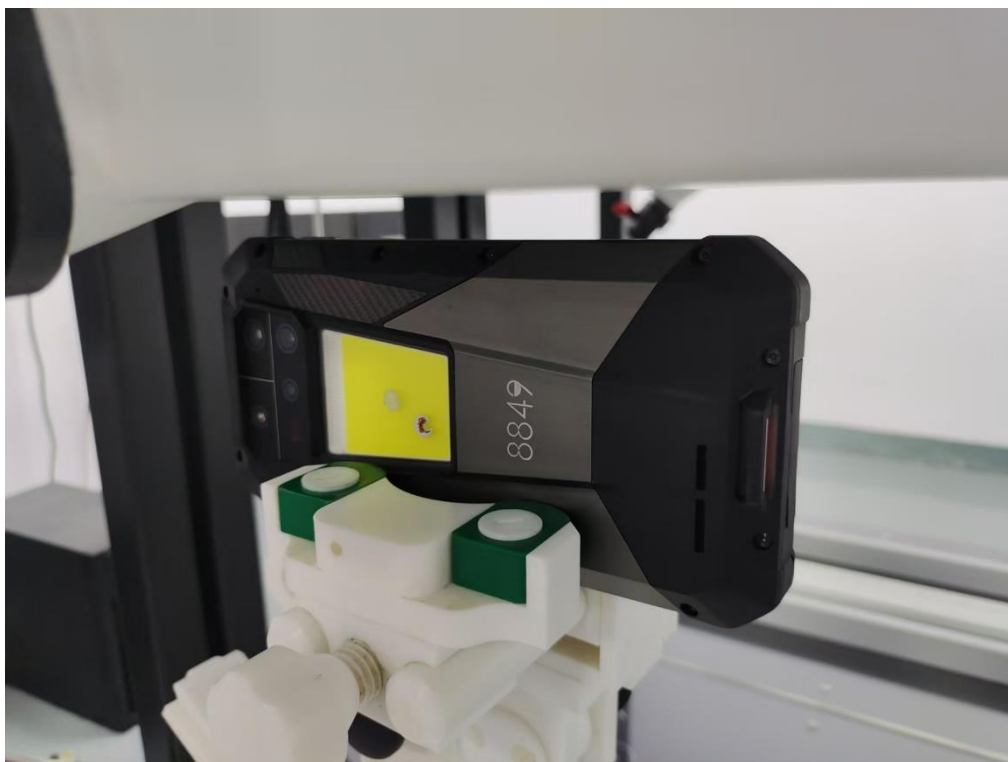


Body Back side (separation distance 10mm)

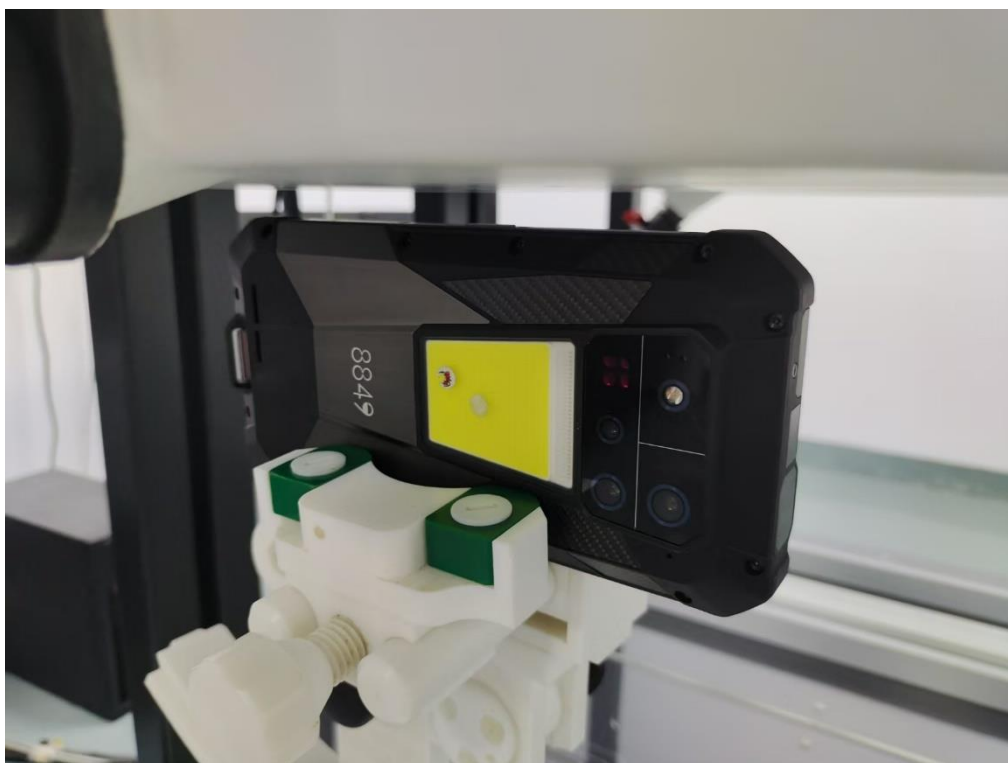




Body Left side (separation distance is 10mm)



Body Right side (separation distance is 10mm)



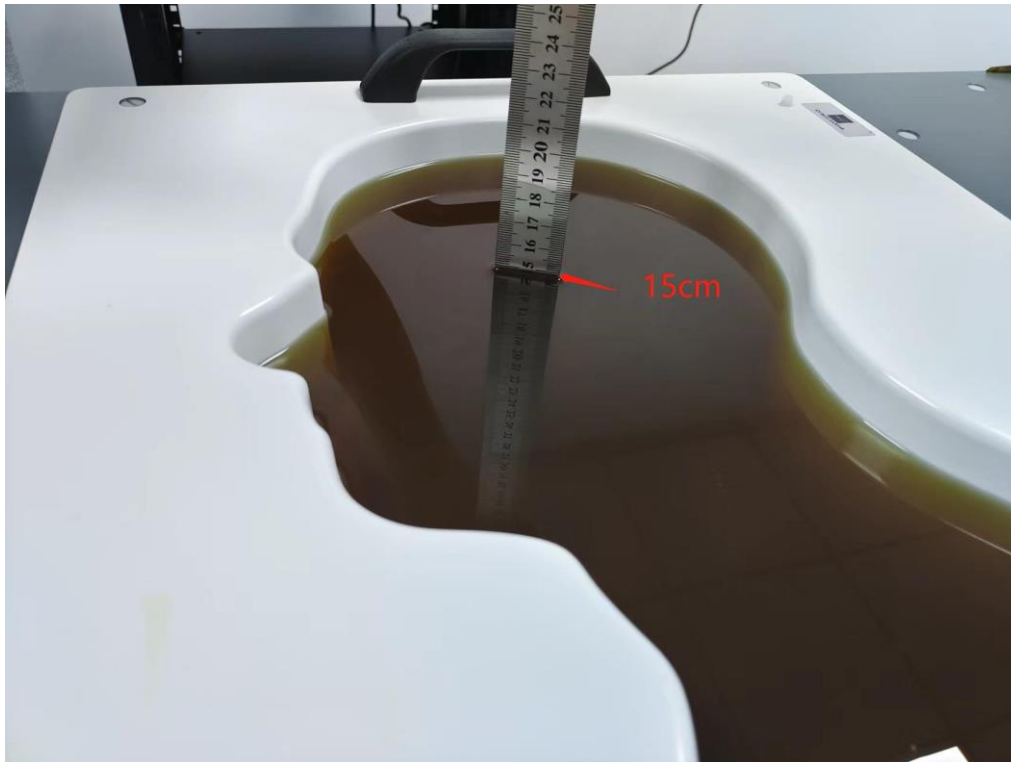
Body Top side (separation distance is 10mm)



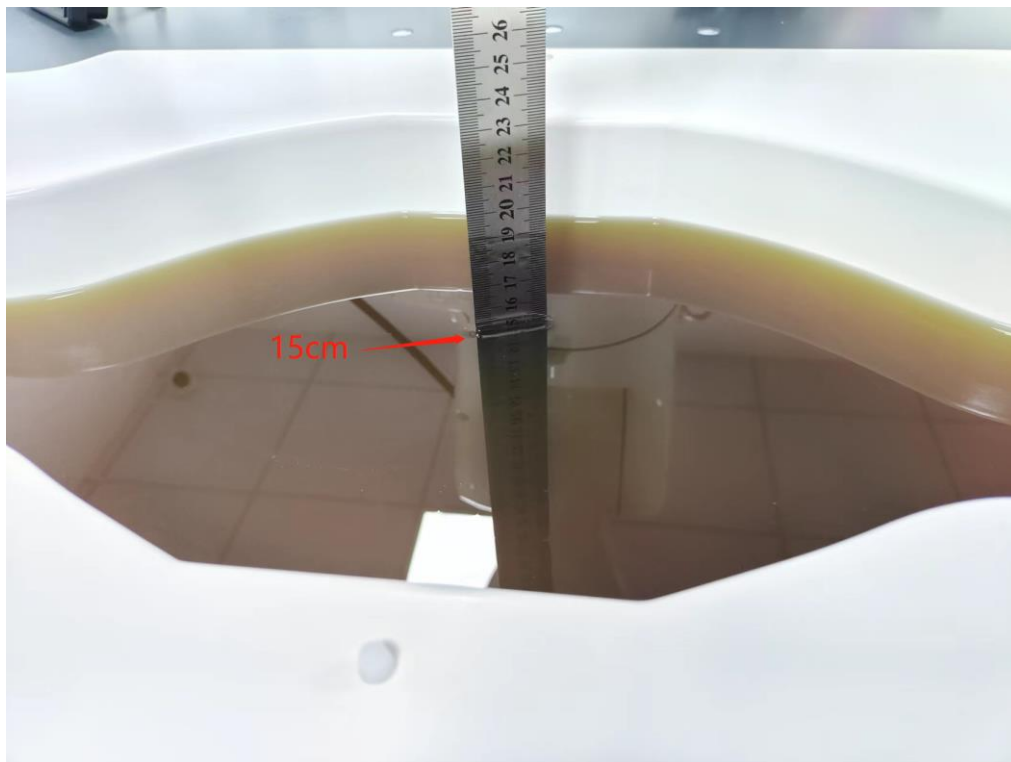
Body Bottom side (separation distance is 10mm)



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)	Scaled SAR (W/Kg)	Meas. No.
GSM850	GSM	Right Cheek	848.8	0.096	3.23	34.00	33.74	0.102	/
		Right Tilt	848.8	0.085	2.31	34.00	33.74	0.090	/
		Left Cheek	848.8	0.098	-3.91	34.00	33.74	0.104	1
		Left Tilt	848.8	0.079	0.26	34.00	33.74	0.084	/
PCS 1900	GSM	Right Cheek	1880	0.041	2.78	31.50	31.17	0.044	/
		Right Tilt	1880	0.033	-3.96	31.50	31.17	0.036	/
		Left Cheek	1880	0.043	-1.91	31.50	31.17	0.046	3
		Left Tilt	1880	0.036	1.80	31.50	31.17	0.039	/
WCDMA Band II	RMC	Right Cheek	1880	0.047	2.19	24.50	24.19	0.050	/
		Right Tilt	1880	0.039	1.90	24.50	24.19	0.042	/
		Left Cheek	1880	0.064	2.94	24.50	24.19	0.069	5
		Left Tilt	1880	0.051	2.83	24.50	24.19	0.055	/
WCDMA Band IV	RMC	Right Cheek	1712.6	0.063	-1.93	24.50	24.38	0.065	7
		Right Tilt	1712.6	0.049	-0.59	24.50	24.38	0.050	/
		Left Cheek	1712.6	0.049	-2.04	24.50	24.38	0.050	/
		Left Tilt	1712.6	0.039	1.95	24.50	24.38	0.040	/
WCDMA Band V	RMC	Right Cheek	846.6	0.089	1.88	24.50	24.11	0.097	9
		Right Tilt	846.6	0.072	1.62	24.50	24.11	0.079	/
		Left Cheek	846.6	0.078	-0.11	24.50	24.11	0.085	/
		Left Tilt	846.6	0.063	-2.67	24.50	24.11	0.069	/
CDMA	BC0	Right Cheek	824.7	0.052	-1.54	22.50	22.38	0.053	/
		Right Tilt	824.7	0.041	1.84	22.50	22.38	0.042	/
		Left Cheek	824.7	0.054	-0.88	22.50	22.38	0.056	11
		Left Tilt	824.7	0.042	3.44	22.50	22.38	0.043	/
CDMA	BC1	Right Cheek	1851.25	0.035	-3.34	22.00	21.74	0.037	13
		Right Tilt	1851.25	0.026	-1.49	22.00	21.74	0.028	/
		Left Cheek	1851.25	0.033	-0.91	22.00	21.74	0.035	/
		Left Tilt	1851.25	0.030	-1.97	22.00	21.74	0.032	/
2.4GHz WLAN ANT 1	802.11b	Right Cheek	2437	0.039	-0.49	15.50	15.05	0.043	/
		Right Tilt	2437	0.032	2.27	15.50	15.05	0.035	/
		Left Cheek	2437	0.046	-2.13	15.50	15.05	0.051	15
		Left Tilt	2437	0.035	-0.27	15.50	15.05	0.039	/
2.4GHz WLAN ANT 2	802.11b	Right Cheek	2437	0.038	0.87	14.50	14.41	0.039	/
		Right Tilt	2437	0.029	1.70	14.50	14.41	0.030	/
		Left Cheek	2437	0.044	3.91	14.50	14.41	0.045	17
		Left Tilt	2437	0.033	-1.30	14.50	14.41	0.034	/
2.4GHz WLAN ANT MIMO	802.11ax-HET20	Right Cheek	2437	0.050	2.88	14.50	14.30	0.052	/
		Right Tilt	2437	0.038	2.69	14.50	14.30	0.040	/
		Left Cheek	2437	0.055	2.95	14.50	14.30	0.058	19
		Left Tilt	2437	0.044	-1.83	14.50	14.30	0.046	/



2.4GHz WLAN ANT 2 MIMO	802.11ax- HET20	Right Cheek	2437	0.033	-0.29	14.50	14.30	0.035	/
		Right Tilt	2437	0.027	0.17	14.50	14.30	0.028	/
		Left Cheek	2437	0.033	1.10	14.50	14.30	0.035	21
		Left Tilt	2437	0.027	3.82	14.50	14.30	0.028	/
5.2GHz WLAN ANT 1	802.11a	Right Cheek	5180	0.053	1.12	13.50	13.20	0.057	/
		Right Tilt	5180	0.042	-2.35	13.50	13.20	0.045	/
		Left Cheek	5180	0.055	0.51	13.50	13.20	0.059	23
		Left Tilt	5180	0.043	1.77	13.50	13.20	0.046	/
5.2GHz WLAN ANT 2	802.11a	Right Cheek	5240	0.091	-0.74	16.00	15.62	0.099	/
		Right Tilt	5240	0.072	-2.76	16.00	15.62	0.079	/
		Left Cheek	5240	0.098	3.24	16.00	15.62	0.107	25
		Left Tilt	5240	0.078	-0.14	16.00	15.62	0.085	/
5.2GHz WLAN ANT 1 MIMO	802.11n- HT20	Right Cheek	5240	0.121	0.22	14.50	14.01	0.135	/
		Right Tilt	5240	0.092	-3.70	14.50	14.01	0.103	/
		Left Cheek	5240	0.138	0.78	14.50	14.01	0.154	27
		Left Tilt	5240	0.106	-1.69	14.50	14.01	0.119	/
5.2GHz WLAN ANT 2 MIMO	802.11n- HT20	Right Cheek	5240	0.066	2.24	14.50	14.01	0.074	/
		Right Tilt	5240	0.050	-1.40	14.50	14.01	0.056	/
		Left Cheek	5240	0.075	0.02	14.50	14.01	0.084	29
		Left Tilt	5240	0.061	-2.96	14.50	14.01	0.068	/
5.3GHz WLAN ANT 1	802.11a	Right Cheek	5260	0.104	-2.27	13.50	13.46	0.105	/
		Right Tilt	5260	0.082	0.47	13.50	13.46	0.083	/
		Left Cheek	5260	0.118	1.59	13.50	13.46	0.119	31
		Left Tilt	5260	0.094	0.35	13.50	13.46	0.095	/
5.3GHz WLAN ANT 2	802.11a	Right Cheek	5320	0.146	-3.73	16.00	15.59	0.160	/
		Right Tilt	5320	0.115	0.39	16.00	15.59	0.126	/
		Left Cheek	5320	0.164	-1.30	16.00	15.59	0.180	33
		Left Tilt	5320	0.125	3.72	16.00	15.59	0.137	/
5.3GHz WLAN ANT MIMO	802.11n- HT20	Right Cheek	5260	0.167	2.87	14.50	14.37	0.172	/
		Right Tilt	5260	0.130	3.06	14.50	14.37	0.134	/
		Left Cheek	5260	0.187	1.67	14.50	14.37	0.193	35
		Left Tilt	5260	0.143	3.78	14.50	14.37	0.147	/
5.3GHz WLAN ANT 2 MIMO	802.11n- HT20	Right Cheek	5260	0.093	-3.30	14.50	14.37	0.096	/
		Right Tilt	5260	0.072	-2.26	14.50	14.37	0.074	/
		Left Cheek	5260	0.105	-1.85	14.50	14.37	0.108	37
		Left Tilt	5260	0.081	-2.69	14.50	14.37	0.083	/
5.6GHz WLAN ANT 1	802.11a	Right Cheek	5700	0.128	-1.45	15.50	15.21	0.137	/
		Right Tilt	5700	0.101	1.25	15.50	15.21	0.108	/
		Left Cheek	5700	0.143	-3.07	15.50	15.21	0.153	39
		Left Tilt	5700	0.110	-1.62	15.50	15.21	0.118	/
5.6GHz WLAN ANT 2	802.11a	Right Cheek	5500	0.093	-0.14	15.00	14.75	0.099	/
		Right Tilt	5500	0.074	-0.59	15.00	14.75	0.078	/
		Left Cheek	5500	0.102	-3.36	15.00	14.75	0.108	41
		Left Tilt	5500	0.080	-3.44	15.00	14.75	0.085	/
5.6GHz WLAN ANT 1 MIMO	802.11n- HT20	Right Cheek	5500	0.048	-3.70	14.50	14.13	0.052	/
		Right Tilt	5500	0.039	3.21	14.50	14.13	0.042	/
		Left Cheek	5500	0.050	-3.79	14.50	14.13	0.054	43
		Left Tilt	5500	0.040	0.36	14.50	14.13	0.044	/



5.6GHz WLAN ANT 2 MIMO	802.11n- HT20	Right Cheek	5500	0.043	-0.88	14.50	14.13	0.047	/
		Right Tilt	5500	0.035	-1.16	14.50	14.13	0.038	/
		Left Cheek	5500	0.045	0.10	14.50	14.13	0.049	45
		Left Tilt	5500	0.036	3.72	14.50	14.13	0.039	/
5.8GHz WLAN ANT 1	802.11a	Right Cheek	5745	0.155	-1.82	16.00	15.55	0.172	/
		Right Tilt	5745	0.121	2.54	16.00	15.55	0.134	/
		Left Cheek	5745	0.172	0.48	16.00	15.55	0.191	47
		Left Tilt	5745	0.131	-0.47	16.00	15.55	0.145	/
5.8GHz WLAN ANT 2	802.11a	Right Cheek	5825	0.151	-2.55	14.50	14.43	0.153	/
		Right Tilt	5825	0.117	-2.08	14.50	14.43	0.119	/
		Left Cheek	5825	0.167	-2.75	14.50	14.43	0.170	49
		Left Tilt	5825	0.129	1.15	14.50	14.43	0.131	/
5.8GHz WLAN ANT 1 MIMO	802.11ax- HE20	Right Cheek	5745	0.117	-0.65	14.00	13.65	0.127	/
		Right Tilt	5745	0.093	2.67	14.00	13.65	0.101	/
		Left Cheek	5745	0.130	1.42	14.00	13.65	0.141	51
		Left Tilt	5745	0.102	-2.57	14.00	13.65	0.111	/
5.8GHz WLAN ANT 2 MIMO	802.11ax- HE20	Right Cheek	5745	0.129	-2.51	14.00	13.65	0.140	/
		Right Tilt	5745	0.099	-3.49	14.00	13.65	0.107	/
		Left Cheek	5745	0.145	-0.10	14.00	13.65	0.157	53
		Left Tilt	5745	0.113	-1.14	14.00	13.65	0.122	/

Band	Mode	Max SAR	WIFI MIMO
		(W/Kg)	
2.4G WLAN	802.11ax-HET20	0.058	0.093
	802.11ax-HET20	0.035	
5.2G WLAN	802.11n-HT20	0.154	0.238
	802.11n-HT20	0.084	
5.3G WLAN	802.11n-HT20	0.193	0.301
	802.11n-HT20	0.108	
5.6G WLAN	802.11n-HT20	0.054	0.103
	802.11n-HT20	0.049	
5.8G WLAN	802.11ax-HE20	0.141	0.298
	802.11ax-HE20	0.157	



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)	Scaled SAR (W/Kg)	Meas. No.
LTE Band 2	20M	QPSK	1	99	Right Cheek	1860	0.043	-2.67	24.00	23.96	0.043	/
			50	0	Right Cheek	1880	0.042	-3.16	23.00	22.94	0.043	/
			1	99	Right Tilt	1860	0.035	-3.65	24.00	23.96	0.035	/
			50	0	Right Tilt	1880	0.035	-1.02	23.00	22.94	0.035	/
			1	99	Left Cheek	1860	0.114	2.70	24.00	23.96	0.115	55
			50	0	Left Cheek	1880	0.104	-3.81	23.00	22.94	0.105	/
			1	99	Left Tilt	1860	0.089	-2.27	24.00	23.96	0.090	/
			50	0	Left Tilt	1880	0.082	-3.77	23.00	22.94	0.083	/
LTE Band 4	20M	QPSK	1	99	Right Cheek	1745	0.064	1.38	24.50	24.07	0.071	/
			50	49	Right Cheek	1745	0.057	-1.37	23.50	23.14	0.062	/
			1	99	Right Tilt	1745	0.052	-2.23	24.50	24.07	0.057	/
			50	49	Right Tilt	1745	0.047	1.69	23.50	23.14	0.051	/
			1	99	Left Cheek	1745	0.102	0.21	24.50	24.07	0.113	57
			50	49	Left Cheek	1745	0.095	-3.82	23.50	23.14	0.103	/
			1	99	Left Tilt	1745	0.078	0.60	24.50	24.07	0.086	/
			50	49	Left Tilt	1745	0.074	3.74	23.50	23.14	0.080	/
LTE Band 5	10M	QPSK	1	49	Right Cheek	844	0.090	1.25	24.50	24.30	0.094	59
			25	24	Right Cheek	844	0.083	2.30	23.50	23.29	0.087	/
			1	49	Right Tilt	844	0.072	-2.74	24.50	24.30	0.075	/
			25	24	Right Tilt	844	0.069	-0.53	23.50	23.29	0.072	/
			1	49	Left Cheek	844	0.080	-3.94	24.50	24.30	0.084	/
			25	24	Left Cheek	844	0.075	-3.15	23.50	23.29	0.079	/
			1	49	Left Tilt	844	0.061	-1.37	24.50	24.30	0.064	/
			25	24	Left Tilt	844	0.056	0.96	23.50	23.29	0.059	/
LTE Band 7	20M	QPSK	1	99	Right Cheek	2510	0.060	1.41	24.50	24.02	0.067	/
			50	24	Right Cheek	2560	0.053	-2.51	23.00	22.98	0.053	/
			1	99	Right Tilt	2510	0.050	-3.44	24.50	24.02	0.056	/
			50	24	Right Tilt	2560	0.049	3.61	23.00	22.98	0.049	/
			1	99	Left Cheek	2510	0.116	0.25	24.50	24.02	0.130	61
			50	24	Left Cheek	2560	0.107	2.37	23.00	22.98	0.107	/
			1	99	Left Tilt	2510	0.091	0.95	24.50	24.02	0.102	/
			50	24	Left Tilt	2560	0.082	2.49	23.00	22.98	0.082	/



LTE Band 12	10M	QPSK	1	49	Right Cheek	711	0.109	2.17	24.50	24.33	0.113	63
			25	24	Right Cheek	711	0.101	1.62	23.50	23.15	0.109	/
			1	49	Right Tilt	711	0.086	-0.97	24.50	24.33	0.089	/
			25	24	Right Tilt	711	0.078	-2.77	23.50	23.15	0.085	/
			1	49	Left Cheek	711	0.075	-1.27	24.50	24.33	0.078	/
			25	24	Left Cheek	711	0.071	-0.86	23.50	23.15	0.077	/
			1	49	Left Tilt	711	0.060	-1.87	24.50	24.33	0.062	/
			25	24	Left Tilt	711	0.058	3.97	23.50	23.15	0.063	/
LTE Band 13	10M	QPSK	1	49	Right Cheek	782	0.082	1.03	24.50	24.20	0.088	65
			25	24	Right Cheek	782	0.074	-3.68	23.50	23.03	0.082	/
			1	49	Right Tilt	782	0.064	-1.37	24.50	24.20	0.069	/
			25	24	Right Tilt	782	0.060	0.54	23.50	23.03	0.067	/
			1	49	Left Cheek	782	0.080	1.33	24.50	24.20	0.086	/
			25	24	Left Cheek	782	0.074	2.99	23.50	23.03	0.082	/
			1	49	Left Tilt	782	0.061	2.16	24.50	24.20	0.065	/
			25	24	Left Tilt	782	0.060	-1.67	23.50	23.03	0.067	/
LTE Band 17	10M	QPSK	1	24	Right Cheek	711	0.092	3.38	24.50	24.32	0.096	67
			25	24	Right Cheek	710	0.085	-0.28	23.50	23.16	0.092	/
			1	24	Right Tilt	711	0.071	-3.81	24.50	24.32	0.074	/
			25	24	Right Tilt	710	0.067	0.79	23.50	23.16	0.072	/
			1	24	Left Cheek	711	0.087	-2.48	24.50	24.32	0.091	/
			25	24	Left Cheek	710	0.078	2.15	23.50	23.16	0.084	/
			1	24	Left Tilt	711	0.066	-1.18	24.50	24.32	0.069	/
			25	24	Left Tilt	710	0.060	3.97	23.50	23.16	0.065	/
LTE Band 25	20M	QPSK	1	99	Right Cheek	1860	0.044	-2.90	24.50	24.05	0.049	/
			50	0	Right Cheek	1882.5	0.040	-0.53	23.50	23.01	0.045	/
			1	99	Right Tilt	1860	0.038	0.98	24.50	24.05	0.042	/
			50	0	Right Tilt	1882.5	0.038	3.74	23.50	23.01	0.043	/
			1	99	Left Cheek	1860	0.083	-2.51	24.50	24.05	0.092	69
			50	0	Left Cheek	1882.5	0.076	2.37	23.50	23.01	0.085	/
			1	99	Left Tilt	1860	0.064	3.11	24.50	24.05	0.071	/
			50	0	Left Tilt	1882.5	0.062	3.92	23.50	23.01	0.069	/



LTE Band 26	15M	QPSK	1	74	Right Cheek	841.5	0.094	1.40	24.50	24.38	0.097	71
			36	39	Right Cheek	841.5	0.086	3.36	23.50	23.32	0.090	/
			1	74	Right Tilt	841.5	0.072	-0.02	24.50	24.38	0.074	/
			36	39	Right Tilt	841.5	0.068	3.39	23.50	23.32	0.071	/
			1	74	Left Cheek	841.5	0.090	1.80	24.50	24.38	0.093	/
			36	39	Left Cheek	841.5	0.088	-3.59	23.50	23.32	0.092	/
			1	74	Left Tilt	841.5	0.075	0.78	24.50	24.38	0.077	/
			36	39	Left Tilt	841.5	0.067	3.25	23.50	23.32	0.070	/
LTE Band 38	20M	QPSK	1	99	Right Cheek	2610	0.043	-3.40	22.00	21.69	0.046	/
			50	49	Right Cheek	2610	0.040	-2.29	21.50	21.07	0.044	/
			1	99	Right Tilt	2610	0.036	-3.73	22.00	21.69	0.039	/
			50	49	Right Tilt	2610	0.033	-2.12	21.50	21.07	0.036	/
			1	99	Left Cheek	2610	0.054	-1.64	22.00	21.69	0.058	73
			50	49	Left Cheek	2610	0.050	0.98	21.50	21.07	0.055	/
			1	99	Left Tilt	2610	0.042	0.51	22.00	21.69	0.045	/
			50	49	Left Tilt	2610	0.038	-3.47	21.50	21.07	0.042	/
LTE Band 40	10M	QPSK	1	49	Right Cheek	2310	0.056	-0.06	10.50	10.33	0.058	/
			50	24	Right Cheek	2310	0.050	3.14	8.50	8.17	0.054	/
			1	49	Right Tilt	2310	0.042	-3.05	10.50	10.33	0.044	/
			50	24	Right Tilt	2310	0.040	-1.59	8.50	8.17	0.043	/
			1	49	Left Cheek	2310	0.068	-2.17	10.50	10.33	0.071	75
			50	24	Left Cheek	2310	0.066	3.40	8.50	8.17	0.071	/
			1	49	Left Tilt	2310	0.052	-3.79	10.50	10.33	0.054	/
			50	24	Left Tilt	2310	0.050	3.55	8.50	8.17	0.054	/
LTE Band 41	20M	QPSK	1	99	Right Cheek	2680	0.061	-2.55	17.00	16.52	0.068	/
			50	24	Right Cheek	2593	0.056	-1.19	16.50	16.09	0.062	/
			1	99	Right Tilt	2680	0.047	1.76	17.00	16.52	0.052	/
			50	24	Right Tilt	2593	0.043	-2.98	16.50	16.09	0.047	/
			1	99	Left Cheek	2680	0.073	-3.22	17.00	16.52	0.082	77
			50	24	Left Cheek	2593	0.066	0.70	16.50	16.09	0.073	/
			1	99	Left Tilt	2680	0.059	-2.86	17.00	16.52	0.066	/
			50	24	Left Tilt	2593	0.057	1.13	16.50	16.09	0.063	/



LTE Band 66	20M	QPSK	1	99	Right Cheek	1745	0.034	-1.48	24.50	24.12	0.037	/
			50	49	Right Cheek	1745	0.033	-1.65	23.00	22.99	0.033	/
			1	99	Right Tilt	1745	0.026	-3.57	24.50	24.12	0.028	/
			50	49	Right Tilt	1745	0.028	-0.78	23.00	22.99	0.028	/
			1	99	Left Cheek	1745	0.062	-2.71	24.50	24.12	0.068	79
			50	49	Left Cheek	1745	0.059	-3.59	23.00	22.99	0.059	/
			1	99	Left Tilt	1745	0.048	0.80	24.50	24.12	0.052	/
			50	49	Left Tilt	1745	0.047	-1.37	23.00	22.99	0.047	/
SA N2	20M	DFT_BPSK	1	104	Right Cheek	1900	0.267	-1.00	23.00	22.87	0.275	/
			50	25	Right Cheek	1900	0.300	3.83	23.30	22.90	0.329	81
			1	104	Right Tilt	1900	0.201	0.51	23.00	22.87	0.207	/
			50	25	Right Tilt	1900	0.229	2.28	23.30	22.90	0.251	/
			1	104	Left Cheek	1900	0.239	-2.66	23.00	22.87	0.246	/
			50	25	Left Cheek	1900	0.268	-0.34	23.30	22.90	0.294	/
			1	104	Left Tilt	1900	0.184	3.21	23.00	22.87	0.190	/
			50	25	Left Tilt	1900	0.206	3.68	23.30	22.90	0.226	/
SA N5	20M	DFT_BPSK	1	1	Right Cheek	839	0.059	-3.59	23.00	22.65	0.064	/
			50	25	Right Cheek	834	0.062	3.44	23.30	22.96	0.067	/
			1	1	Right Tilt	839	0.048	3.03	23.00	22.65	0.052	/
			50	25	Right Tilt	834	0.050	-3.42	23.30	22.96	0.054	/
			1	1	Left Cheek	839	0.062	-2.46	23.00	22.65	0.067	/
			50	25	Left Cheek	834	0.069	1.09	23.30	22.96	0.075	83
			1	1	Left Tilt	839	0.051	0.41	23.00	22.65	0.055	/
			50	25	Left Tilt	834	0.056	-2.75	23.30	22.96	0.061	/
SA N7	20M	DFT_QPSK	1	1	Right Cheek	2560	0.615	-3.35	22.50	22.44	0.624	/
			50	25	Right Cheek	2510	0.583	2.52	23.50	22.47	0.739	/
			50	25	Right Cheek	2535	0.601	0.10	23.50	22.51	0.755	/
			50	25	Right Cheek	2560	0.695	-3.21	23.50	23.06	0.769	85
			1	1	Right Tilt	2560	0.470	2.39	22.50	22.44	0.477	/
			50	25	Right Tilt	2560	0.532	0.00	23.50	23.06	0.589	/
			1	1	Left Cheek	2560	0.542	2.64	22.50	22.44	0.550	/
			50	25	Left Cheek	2560	0.611	1.18	23.50	23.06	0.676	/
			1	1	Left Tilt	2560	0.411	0.39	22.50	22.44	0.417	/
			50	25	Left Tilt	2560	0.465	1.64	23.50	23.06	0.515	/



SA N25	20M	DFT_QPSK	1	104	Right Cheek	1882.5	0.332	-0.10	23.00	22.75	0.352	/
			50	25	Right Cheek	1905	0.376	0.25	23.00	22.94	0.381	87
			1	104	Right Tilt	1882.5	0.254	3.62	23.00	22.75	0.269	/
			50	25	Right Tilt	1905	0.286	-2.05	23.00	22.94	0.290	/
			1	104	Left Cheek	1882.5	0.292	-2.88	23.00	22.75	0.309	/
			50	25	Left Cheek	1905	0.330	-0.13	23.00	22.94	0.335	/
			1	104	Left Tilt	1882.5	0.223	-2.12	23.00	22.75	0.236	/
			50	25	Left Tilt	1905	0.251	-0.95	23.00	22.94	0.254	/
SA N38	40M	DFT_QPSK	1	1	Right Cheek	2595	0.407	2.99	23.00	22.78	0.428	/
			50	25	Right Cheek	2595	0.456	3.30	23.50	23.17	0.492	/
			1	1	Right Tilt	2595	0.312	-3.72	23.00	22.78	0.328	/
			50	25	Right Tilt	2595	0.348	-3.31	23.50	23.17	0.375	/
			1	1	Left Cheek	2595	0.498	3.45	23.00	22.78	0.524	/
			50	25	Left Cheek	2595	0.561	3.96	23.50	23.17	0.605	89
			1	1	Left Tilt	2595	0.275	-2.68	23.00	22.78	0.289	/
			50	25	Left Tilt	2595	0.363	3.28	23.50	23.17	0.392	/
SA N41	100M	DFT_BPSK	1	271	Right Cheek	2593	0.412	-3.43	23.20	22.48	0.486	/
			135	68	Right Cheek	2640	0.364	-1.57	23.00	22.46	0.412	/
			1	271	Right Tilt	2593	0.315	-2.28	23.20	22.48	0.372	/
			135	68	Right Tilt	2640	0.279	-3.46	23.00	22.46	0.316	/
			1	271	Left Cheek	2593	0.466	3.98	23.20	22.48	0.550	91
			135	68	Left Cheek	2640	0.410	0.59	23.00	22.46	0.464	/
			1	271	Left Tilt	2593	0.355	1.15	23.20	22.48	0.419	/
			135	68	Left Tilt	2640	0.314	-0.37	23.00	22.46	0.356	/
SA N66	40M	DFT_BPSK	1	214	Right Cheek	1712.5	0.298	3.52	23.70	23.27	0.329	93
			108	54	Right Cheek	1745	0.267	0.88	23.50	23.21	0.285	/
			1	214	Right Tilt	1712.5	0.228	2.01	23.70	23.27	0.252	/
			108	54	Right Tilt	1745	0.202	0.86	23.50	23.21	0.216	/
			1	214	Left Cheek	1712.5	0.266	-1.55	23.70	23.27	0.294	/
			108	54	Left Cheek	1745	0.236	2.21	23.50	23.21	0.252	/
			1	214	Left Tilt	1712.5	0.203	-0.15	23.70	23.27	0.224	/
			108	54	Left Tilt	1745	0.182	0.34	23.50	23.21	0.195	/



SA N77	100M	DFT_QPSK	1	271	Right Cheek	3750	0.105	-2.71	23.00	22.63	0.114	95
			135	67	Right Cheek	3930	0.095	-3.71	22.50	22.35	0.098	/
			1	271	Right Tilt	3750	0.083	2.00	23.00	22.63	0.090	/
			135	67	Right Tilt	3930	0.078	-0.92	22.50	22.35	0.081	/
			1	271	Left Cheek	3750	0.092	2.42	23.00	22.63	0.100	/
			135	67	Left Cheek	3930	0.085	1.02	22.50	22.35	0.088	/
			1	271	Left Tilt	3750	0.072	-3.03	23.00	22.63	0.078	/
			135	67	Left Tilt	3930	0.068	-1.64	22.50	22.35	0.070	/
SA N78	100M	DFT_QPSK	1	1	Right Cheek	3500	0.054	3.13	23.50	23.64	0.052	/
			135	67	Right Cheek	3500	0.060	-0.94	24.00	23.75	0.064	97
			1	1	Right Tilt	3500	0.043	-2.99	23.50	23.64	0.042	/
			135	67	Right Tilt	3500	0.045	2.65	24.00	23.75	0.048	/
			1	1	Left Cheek	3500	0.053	-0.70	23.50	23.64	0.051	/
			135	67	Left Cheek	3500	0.056	3.57	24.00	23.75	0.059	/
			1	1	Left Tilt	3500	0.042	2.79	23.50	23.64	0.041	/
			135	67	Left Tilt	3500	0.044	2.07	24.00	23.75	0.047	/



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)	Scaled SAR (W/Kg)	Meas. No.
SA N78	100M	DFT_QPSK	1	1	Right Cheek	3500	0.054	3.13	23.50	23.64	0.052	/
			135	67	Right Cheek	3500	0.060	-0.94	24.00	23.75	0.064	97
			1	1	Right Tilt	3500	0.043	-2.99	23.50	23.64	0.042	/
			135	67	Right Tilt	3500	0.045	2.65	24.00	23.75	0.048	/
			1	1	Left Cheek	3500	0.053	-0.70	23.50	23.64	0.051	/
			135	67	Left Cheek	3500	0.056	3.57	24.00	23.75	0.059	/
			1	1	Left Tilt	3500	0.042	2.79	23.50	23.64	0.041	/
			135	67	Left Tilt	3500	0.044	2.07	24.00	23.75	0.047	/
LTE Band 5	10M	QPSK	1	49	Right Cheek	844	0.090	1.25	24.50	24.30	0.094	59
			25	24	Right Cheek	844	0.083	2.30	23.50	23.29	0.087	/
			1	49	Right Tilt	844	0.072	-2.74	24.50	24.30	0.075	/
			25	24	Right Tilt	844	0.069	-0.53	23.50	23.29	0.072	/
			1	49	Left Cheek	844	0.080	-3.94	24.50	24.30	0.084	/
			25	24	Left Cheek	844	0.075	-3.15	23.50	23.29	0.079	/
			1	49	Left Tilt	844	0.061	-1.37	24.50	24.30	0.064	/
			25	24	Left Tilt	844	0.056	0.96	23.50	23.29	0.059	/

Band	Mode	Max SAR	NSA N78+B5
		(W/Kg)	
NSA N78+B5	SA N78	0.064	0.158
	LTE B5	0.094	

Note:

- Per KDB 447498 D01, the reported SAR is the measured SAR value adjusted for maximum tune-up tolerance.
 - Tune-up scaling Factor = tune-up limit power (mW) / EUT RF power (mW), where tune-up limit is the maximum rated power among all production units.
 - Scaled SAR(W/kg) = Measured SAR(W/kg) *Tune-up Scaling Factor
- 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)	Scaled SAR (W/Kg)	Meas. No.
GSM850	GPRS (GMSK, 4-Slot)	Front Side	848.8	0.155	-0.20	31.00	30.61	0.170	/
		Back Side	848.8	0.205	2.13	31.00	30.61	0.224	2
		Left Side	848.8	0.161	-3.19	31.00	30.61	0.176	/
		Right Side	848.8	0.162	3.45	31.00	30.61	0.177	/
		Top Side	848.8	0.058	-0.92	31.00	30.61	0.063	/
		Bottom Side	848.8	0.160	-2.76	31.00	30.61	0.175	/
PCS 1900	GPRS (GMSK, 2-Slot)	Front Side	1880	0.160	2.56	30.50	30.27	0.169	/
		Back Side	1880	0.599	-3.23	30.50	30.27	0.632	/
		Left Side	1880	0.085	3.69	30.50	30.27	0.090	/
		Right Side	1880	0.053	3.42	30.50	30.27	0.056	/
		Top Side	1880	0.042	0.53	30.50	30.27	0.044	/
		Bottom Side	1880	0.677	3.74	30.50	30.27	0.714	4
WCDMA Band II	RMC	Front Side	1880	0.237	-0.38	24.50	24.19	0.255	/
		Back Side	1880	0.792	-3.29	24.50	24.19	0.851	/
		Left Side	1880	0.150	-2.59	24.50	24.19	0.161	/
		Right Side	1880	0.107	-1.14	24.50	24.19	0.115	/
		Bottom Side	1852.4	0.782	3.76	24.50	23.99	0.879	/
		Bottom Side	1880	0.854	1.96	24.50	24.19	0.917	6
		Bottom Side	1907.6	0.813	1.88	24.50	24.08	0.896	/
WCDMA Band IV	RMC	Front Side	1712.6	0.196	-0.71	24.50	24.38	0.201	/
		Back Side	1712.6	0.643	3.42	24.50	24.38	0.661	8
		Left Side	1712.6	0.126	3.60	24.50	24.38	0.130	/
		Right Side	1712.6	0.084	-0.74	24.50	24.38	0.086	/
		Bottom Side	1712.6	0.607	-0.16	24.50	24.38	0.624	/
WCDMA Band V	RMC	Front Side	846.6	0.130	1.77	24.50	24.11	0.142	/
		Back Side	846.6	0.183	0.09	24.50	24.11	0.200	10
		Left Side	846.6	0.148	2.54	24.50	24.11	0.162	/
		Right Side	846.6	0.152	-3.58	24.50	24.11	0.166	/
		Bottom Side	846.6	0.164	-0.78	24.50	24.11	0.179	/
CDMA	BC0	Front Side	824.7	0.047	-3.45	22.50	22.38	0.048	/
		Back Side	824.7	0.065	3.73	22.50	22.38	0.067	12
		Left Side	824.7	0.053	-0.36	22.50	22.38	0.054	/
		Right Side	824.7	0.057	0.77	22.50	22.38	0.059	/
		Bottom Side	824.7	0.038	2.76	22.50	22.38	0.039	/
CDMA	BC1	Front Side	1851.25	0.090	2.40	22.00	21.74	0.096	/
		Back Side	1851.25	0.123	-1.99	22.00	21.74	0.131	/
		Left Side	1851.25	0.100	3.81	22.00	21.74	0.106	/
		Right Side	1851.25	0.104	2.35	22.00	21.74	0.110	/
		Bottom Side	1851.25	0.157	1.99	22.00	21.74	0.167	14
2.4GHz WLAN ANT 1	802.11b	Front Side	2437	0.048	2.59	15.50	15.05	0.053	/
		Back Side	2437	0.051	-3.40	15.50	15.05	0.057	16
		Right Side	2437	0.031	2.53	15.50	15.05	0.034	/
		Top Side	2437	0.027	-2.62	15.50	15.05	0.030	/
2.4GHz WLAN ANT 2	802.11b	Front Side	2437	0.066	0.68	14.50	14.41	0.067	18
		Back Side	2437	0.047	-3.74	14.50	14.41	0.048	/
		Right Side	2437	0.043	0.17	14.50	14.41	0.044	/
2.4GHz WLAN ANT 1 MIMO	802.11ax-HET20	Front Side	2437	0.023	1.08	14.50	14.30	0.024	/
		Back Side	2437	0.033	0.13	14.50	14.30	0.035	20
		Right Side	2437	0.026	1.20	14.50	14.30	0.027	/
		Top Side	2437	0.021	0.53	14.50	14.30	0.022	/



2.4GHz WLAN ANT 2 MIMO	802.11ax- HET20	Front Side	2437	0.019	-2.69	14.50	14.30	0.020	/
		Back Side	2437	0.023	-3.32	14.50	14.30	0.024	22
		Right Side	2437	0.016	-1.96	14.50	14.30	0.017	/
		Top Side	2437	0.013	0.97	14.50	14.30	0.014	/
5.2GHz WLAN ANT 1	802.11a	Front Side	5180	0.085	-3.63	13.50	13.20	0.091	/
		Back Side	5180	0.120	0.43	13.50	13.20	0.129	24
		Right Side	5180	0.074	-1.04	13.50	13.20	0.079	/
		Top Side	5180	0.045	-1.87	13.50	13.20	0.048	/
5.2GHz WLAN ANT 2	802.11a	Front Side	5240	0.065	3.67	16.00	15.62	0.071	/
		Back Side	5240	0.090	1.41	16.00	15.62	0.098	26
		Right Side	5240	0.055	3.19	16.00	15.62	0.060	/
		Top Side	5240	0.037	-0.60	16.00	15.62	0.040	/
5.2GHz WLAN ANT 1 MIMO	802.11n- HT20	Front Side	5240	0.085	1.76	14.50	14.01	0.095	/
		Back Side	5240	0.116	1.15	14.50	14.01	0.130	28
		Right Side	5240	0.068	2.55	14.50	14.01	0.076	/
		Top Side	5240	0.041	-0.41	14.50	14.01	0.046	/
5.2GHz WLAN ANT 2 MIMO	802.11n- HT20	Front Side	5240	0.084	0.34	14.50	14.01	0.094	/
		Back Side	5240	0.120	-3.25	14.50	14.01	0.134	30
		Right Side	5240	0.075	0.48	14.50	14.01	0.084	/
		Top Side	5240	0.044	-2.26	14.50	14.01	0.049	/
5.3GHz WLAN ANT 1	802.11a	Front Side	5260	0.063	1.05	13.50	13.46	0.064	/
		Back Side	5260	0.087	2.20	13.50	13.46	0.088	32
		Right Side	5260	0.052	-2.99	13.50	13.46	0.052	/
		Top Side	5260	0.026	3.43	13.50	13.46	0.026	/
5.3GHz WLAN ANT 2	802.11a	Front Side	5320	0.083	3.16	16.00	15.59	0.091	/
		Back Side	5320	0.114	3.87	16.00	15.59	0.125	34
		Right Side	5320	0.068	3.63	16.00	15.59	0.075	/
		Top Side	5320	0.034	-3.83	16.00	15.59	0.037	/
5.3GHz WLAN ANT 1 MIMO	802.11n- HT20	Front Side	5260	0.096	3.44	14.50	14.37	0.099	/
		Back Side	5260	0.131	-0.38	14.50	14.37	0.135	36
		Right Side	5260	0.078	3.63	14.50	14.37	0.080	/
		Top Side	5260	0.040	-1.38	14.50	14.37	0.041	/
5.3GHz WLAN ANT 2 MIMO	802.11n- HT20	Front Side	5260	0.065	1.64	14.50	14.37	0.067	/
		Back Side	5260	0.089	-2.60	14.50	14.37	0.092	38
		Right Side	5260	0.052	-1.94	14.50	14.37	0.054	/
		Top Side	5260	0.029	-2.82	14.50	14.37	0.030	/
5.6GHz WLAN ANT 1	802.11a	Front Side	5700	0.076	-2.36	15.50	15.21	0.081	/
		Back Side	5700	0.104	-2.80	15.50	15.21	0.111	40
		Right Side	5700	0.065	2.08	15.50	15.21	0.069	/
		Top Side	5700	0.032	-0.35	15.50	15.21	0.034	/
5.6GHz WLAN ANT 2	802.11a	Front Side	5500	0.069	-1.33	15.00	14.75	0.073	/
		Back Side	5500	0.098	3.86	15.00	14.75	0.104	42
		Right Side	5500	0.062	1.65	15.00	14.75	0.066	/
		Top Side	5500	0.032	1.47	15.00	14.75	0.034	/
5.6GHz WLAN ANT 1 MIMO	802.11n- HT40	Front Side	5500	0.072	2.67	14.50	14.13	0.078	/
		Back Side	5500	0.100	-3.69	14.50	14.13	0.109	44
		Right Side	5500	0.064	-0.04	14.50	14.13	0.070	/
		Top Side	5500	0.030	3.00	14.50	14.13	0.033	/
5.6GHz WLAN ANT 2 MIMO	802.11n- HT40	Front Side	5500	0.100	-1.07	14.50	14.13	0.109	/
		Back Side	5500	0.137	-3.98	14.50	14.13	0.149	46
		Right Side	5500	0.084	3.76	14.50	14.13	0.091	/
		Top Side	5500	0.053	1.15	14.50	14.13	0.058	/
5.8GHz WLAN ANT 1	802.11a	Front Side	5745	0.097	1.59	16.00	15.55	0.108	/
		Back Side	5745	0.133	-2.02	16.00	15.55	0.148	48
		Right Side	5745	0.080	-1.90	16.00	15.55	0.089	/
		Top Side	5745	0.066	0.83	16.00	15.55	0.073	/



5.8GHz WLAN ANT 2	802.11a	Front Side	5825	0.121	1.71	14.50	14.43	0.123	/
		Back Side	5825	0.173	3.72	14.50	14.43	0.176	50
		Right Side	5825	0.105	3.63	14.50	14.43	0.107	/
		Top Side	5825	0.078	1.36	14.50	14.43	0.079	/
5.8GHz WLAN ANT 1 MIMO	802.11n- HT20	Front Side	5745	0.098	-1.70	14.00	13.65	0.106	/
		Back Side	5745	0.139	-0.54	14.00	13.65	0.151	52
		Right Side	5745	0.085	1.21	14.00	13.65	0.092	/
		Top Side	5745	0.052	-0.14	14.00	13.65	0.056	/
5.8GHz WLAN ANT 2 MIMO	802.11n- HT20	Front Side	5745	0.088	3.42	14.00	13.65	0.095	/
		Back Side	5745	0.119	2.18	14.00	13.65	0.129	54
		Right Side	5745	0.073	0.63	14.00	13.65	0.079	/
		Top Side	5745	0.046	-1.13	14.00	13.65	0.050	/

Band	Mode	Max SAR	WIFI MIMO
		(W/Kg)	
2.4G WLAN	802.11ax-HET20	0.035	0.059
	802.11ax-HET20	0.024	
5.2G WLAN	802.11n-HT20	0.130	0.264
	802.11n-HT20	0.134	
5.3G WLAN	802.11n-HT20	0.135	0.227
	802.11n-HT20	0.092	
5.6G WLAN	802.11n-HT20	0.109	0.258
	802.11n-HT20	0.149	
5.8G WLAN	802.11ax-HE20	0.151	0.280
	802.11ax-HE20	0.129	



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)	Scaled SAR (W/Kg)	Meas. No.
LTE Band 2	20M	QPSK	1	99	Front side	1860	0.201	0.95	24.00	23.96	0.203	/
			50	0	Front side	1880	0.181	-3.10	23.00	22.94	0.184	/
			1	99	Back Side	1860	0.656	0.58	24.00	23.96	0.662	56
			50	0	Back Side	1880	0.582	2.33	23.00	22.94	0.590	/
			1	99	Left Side	1860	0.130	-0.50	24.00	23.96	0.131	/
			50	0	Left Side	1880	0.113	-3.62	23.00	22.94	0.115	/
			1	99	Right Side	1860	0.085	-1.40	24.00	23.96	0.086	/
			50	0	Right Side	1880	0.074	-1.23	23.00	22.94	0.075	/
			1	99	Bottom Side	1860	0.593	-3.46	24.00	23.96	0.598	/
			50	0	Bottom Side	1880	0.522	-0.67	23.00	22.94	0.529	/
LTE Band 4	20M	QPSK	1	99	Front side	1745	0.129	2.57	24.50	24.07	0.142	/
			50	49	Front side	1745	0.116	-2.05	23.50	23.14	0.126	/
			1	99	Back Side	1745	0.429	-2.32	24.50	24.07	0.474	58
			50	49	Back Side	1745	0.378	3.70	23.50	23.14	0.411	/
			1	99	Left Side	1745	0.085	0.18	24.50	24.07	0.094	/
			50	49	Left Side	1745	0.074	-2.49	23.50	23.14	0.080	/
			1	99	Right Side	1745	0.057	0.63	24.50	24.07	0.063	/
			50	49	Right Side	1745	0.048	-1.12	23.50	23.14	0.052	/
			1	99	Bottom Side	1745	0.377	-2.10	24.50	24.07	0.416	/
			50	49	Bottom Side	1745	0.335	-1.18	23.50	23.14	0.364	/
LTE Band 5	10M	QPSK	1	49	Front side	844	0.101	2.49	24.50	24.30	0.106	/
			25	24	Front side	844	0.093	-0.50	23.50	23.29	0.098	/
			1	49	Back Side	844	0.141	-3.77	24.50	24.30	0.148	60
			25	24	Back Side	844	0.129	1.11	23.50	23.29	0.135	/
			1	49	Left Side	844	0.114	-3.91	24.50	24.30	0.119	/
			25	24	Left Side	844	0.104	-3.80	23.50	23.29	0.109	/
			1	49	Right Side	844	0.119	-1.57	24.50	24.30	0.125	/
			25	24	Right Side	844	0.107	2.61	23.50	23.29	0.112	/
			1	49	Bottom Side	844	0.094	3.94	24.50	24.30	0.098	/
			25	24	Bottom Side	844	0.084	0.74	23.50	23.29	0.088	/



LTE Band 7	20M	QPSK	1	99	Front side	2510	0.143	2.97	24.50	24.02	0.160	/
			50	24	Front side	2560	0.130	-3.63	23.00	22.98	0.131	/
			1	99	Back Side	2510	0.477	3.05	24.50	24.02	0.533	62
			50	24	Back Side	2560	0.424	1.83	23.00	22.98	0.426	/
			1	99	Left Side	2510	0.093	-1.96	24.50	24.02	0.104	/
			50	24	Left Side	2560	0.080	1.01	23.00	22.98	0.080	/
			1	99	Right Side	2510	0.066	3.40	24.50	24.02	0.074	/
			50	24	Right Side	2560	0.056	3.94	23.00	22.98	0.056	/
			1	99	Bottom Side	2510	0.328	-1.01	24.50	24.02	0.366	/
			50	24	Bottom Side	2560	0.292	-0.47	23.00	22.98	0.293	/
LTE Band 12	10M	QPSK	1	49	Front side	711	0.146	-0.42	24.50	24.33	0.152	/
			25	24	Front side	711	0.131	-2.62	23.50	23.15	0.142	/
			1	49	Back Side	711	0.204	-0.05	24.50	24.33	0.212	64
			25	24	Back Side	711	0.181	-1.69	23.50	23.15	0.196	/
			1	49	Left Side	711	0.163	-2.89	24.50	24.33	0.170	/
			25	24	Left Side	711	0.146	3.20	23.50	23.15	0.158	/
			1	49	Right Side	711	0.172	-3.96	24.50	24.33	0.179	/
			25	24	Right Side	711	0.155	3.78	23.50	23.15	0.168	/
			1	49	Bottom Side	711	0.168	3.27	24.50	24.33	0.175	/
			25	24	Bottom Side	711	0.150	-2.50	23.50	23.15	0.163	/
LTE Band 13	10M	QPSK	1	49	Front side	782	0.119	3.91	24.50	24.20	0.128	/
			25	24	Front side	782	0.105	-2.19	23.50	23.03	0.117	/
			1	49	Back Side	782	0.165	-0.03	24.50	24.20	0.177	66
			25	24	Back Side	782	0.145	1.10	23.50	23.03	0.162	/
			1	49	Left Side	782	0.135	1.03	24.50	24.20	0.145	/
			25	24	Left Side	782	0.122	3.64	23.50	23.03	0.136	/
			1	49	Right Side	782	0.135	1.50	24.50	24.20	0.145	/
			25	24	Right Side	782	0.121	-3.60	23.50	23.03	0.135	/
			1	49	Bottom Side	782	0.111	-1.62	24.50	24.20	0.119	/
			25	24	Bottom Side	782	0.103	0.32	23.50	23.03	0.115	/



LTE Band 17	10M	QPSK	1	24	Front side	711	0.160	1.21	24.50	24.32	0.167	/
			25	24	Front side	710	0.142	-0.87	23.50	23.16	0.154	/
			1	24	Back Side	711	0.225	-3.83	24.50	24.32	0.235	68
			25	24	Back Side	710	0.202	2.88	23.50	23.16	0.218	/
			1	24	Left Side	711	0.184	2.83	24.50	24.32	0.192	/
			25	24	Left Side	710	0.164	1.57	23.50	23.16	0.177	/
			1	24	Right Side	711	0.185	-3.41	24.50	24.32	0.193	/
			25	24	Right Side	710	0.166	-3.64	23.50	23.16	0.180	/
			1	24	Bottom Side	711	0.083	-0.28	24.50	24.32	0.087	/
			25	24	Bottom Side	710	0.073	-1.48	23.50	23.16	0.079	/
LTE Band 25	20M	QPSK	1	99	Front side	1860	0.235	-1.40	24.50	24.05	0.261	/
			50	0	Front side	1882.5	0.209	-1.83	23.50	23.01	0.234	/
			1	99	Back Side	1860	0.776	-3.54	24.50	24.05	0.861	70
			1	99	Back Side	1882.5	0.734	1.97	24.50	23.95	0.833	/
			1	99	Back Side	1905	0.712	1.07	24.50	23.88	0.821	/
			50	0	Back Side	1882.5	0.686	1.41	23.50	23.01	0.768	/
			1	99	Left Side	1860	0.149	1.62	24.50	24.05	0.165	/
			50	0	Left Side	1882.5	0.129	1.27	23.50	23.01	0.144	/
			1	99	Right Side	1860	0.104	3.76	24.50	24.05	0.115	/
			50	0	Right Side	1882.5	0.090	-3.03	23.50	23.01	0.101	/
			1	99	Bottom Side	1860	0.643	-0.38	24.50	24.05	0.713	/
			50	0	Bottom Side	1882.5	0.571	1.66	23.50	23.01	0.639	/
LTE Band 26	15M	QPSK	1	74	Front side	841.5	0.071	-3.37	24.50	24.38	0.073	/
			36	39	Front side	841.5	0.065	-2.55	23.50	23.32	0.068	/
			1	74	Back Side	841.5	0.099	-3.98	24.50	24.38	0.102	/
			36	39	Back Side	841.5	0.089	-0.37	23.50	23.32	0.093	/
			1	74	Left Side	841.5	0.083	-1.93	24.50	24.38	0.085	/
			36	39	Left Side	841.5	0.075	-2.12	23.50	23.32	0.078	/
			1	74	Right Side	841.5	0.084	2.39	24.50	24.38	0.086	/
			36	39	Right Side	841.5	0.078	2.09	23.50	23.32	0.081	/
			1	74	Bottom Side	841.5	0.136	1.64	24.50	24.38	0.140	72
			36	39	Bottom Side	841.5	0.121	-3.95	23.50	23.32	0.126	/



LTE Band 38	20M	QPSK	1	99	Front side	2610	0.042	3.40	22.00	21.69	0.045	/
			50	49	Front side	2610	0.042	-2.85	21.50	21.07	0.046	/
			1	99	Back Side	2610	0.141	-3.50	22.00	21.69	0.151	/
			50	49	Back Side	2610	0.125	1.73	21.50	21.07	0.138	/
			1	99	Left Side	2610	0.030	-2.11	22.00	21.69	0.032	/
			50	49	Left Side	2610	0.024	-1.28	21.50	21.07	0.026	/
			1	99	Right Side	2610	0.019	2.62	22.00	21.69	0.020	/
			50	49	Right Side	2610	0.014	-1.20	21.50	21.07	0.015	/
			1	99	Bottom Side	2610	0.231	0.20	22.00	21.69	0.248	74
			50	49	Bottom Side	2610	0.206	-3.72	21.50	21.07	0.227	/
LTE Band 40	10M	QPSK	1	49	Front side	2310	0.055	1.94	10.50	10.33	0.057	/
			50	24	Front side	2310	0.050	-1.68	8.50	8.17	0.054	/
			1	49	Back Side	2310	0.170	3.68	10.50	10.33	0.177	/
			50	24	Back Side	2310	0.152	-2.75	8.50	8.17	0.164	/
			1	49	Left Side	2310	0.035	0.95	10.50	10.33	0.036	/
			50	24	Left Side	2310	0.029	-2.78	8.50	8.17	0.031	/
			1	49	Right Side	2310	0.023	0.69	10.50	10.33	0.024	/
			50	24	Right Side	2310	0.018	-3.95	8.50	8.17	0.019	/
			1	49	Bottom Side	2310	0.192	2.27	10.50	10.33	0.200	76
			50	24	Bottom Side	2310	0.170	-3.36	8.50	8.17	0.183	/
LTE Band 41	20M	QPSK	1	99	Front side	2680	0.053	-0.79	17.00	16.52	0.059	/
			50	24	Front side	2593	0.051	1.28	16.50	16.09	0.056	/
			1	99	Back Side	2680	0.173	1.85	17.00	16.52	0.193	/
			50	24	Back Side	2593	0.154	-3.42	16.50	16.09	0.169	/
			1	99	Left Side	2680	0.035	2.14	17.00	16.52	0.039	/
			50	24	Left Side	2593	0.030	-1.02	16.50	16.09	0.033	/
			1	99	Right Side	2680	0.025	-2.55	17.00	16.52	0.028	/
			50	24	Right Side	2593	0.021	3.78	16.50	16.09	0.023	/
			1	99	Bottom Side	2680	0.174	-1.01	17.00	16.52	0.194	78
			50	24	Bottom Side	2593	0.156	-0.13	16.50	16.09	0.171	/



LTE Band 66	20M	QPSK	1	99	Front side	1745	0.095	2.02	24.50	24.12	0.104	/
			50	49	Front side	1745	0.085	-0.01	23.00	22.99	0.085	/
			1	99	Back Side	1745	0.301	0.77	24.50	24.12	0.329	/
			50	49	Back Side	1745	0.270	-0.38	23.00	22.99	0.271	/
			1	99	Left Side	1745	0.061	-1.53	24.50	24.12	0.067	/
			50	49	Left Side	1745	0.053	2.59	23.00	22.99	0.053	/
			1	99	Right Side	1745	0.042	-0.43	24.50	24.12	0.046	/
			50	49	Right Side	1745	0.036	-1.24	23.00	22.99	0.036	/
			1	99	Bottom Side	1745	0.402	-0.47	24.50	24.12	0.439	80
			50	49	Bottom Side	1745	0.359	0.61	23.00	22.99	0.360	/
SA N2	20M	DFT_BPSK	1	104	Front side	1900	0.118	-0.75	23.00	22.87	0.122	/
			50	25	Front side	1900	0.136	-1.11	23.30	22.90	0.149	/
			1	104	Back Side	1900	0.346	1.64	23.00	22.87	0.357	/
			50	25	Back Side	1900	0.390	-1.37	23.30	22.90	0.428	82
			1	104	Left Side	1900	0.156	3.13	23.00	22.87	0.161	/
			50	25	Left Side	1900	0.172	2.09	23.30	22.90	0.189	/
			1	104	Right Side	1900	0.049	-0.50	23.00	22.87	0.050	/
			50	25	Right Side	1900	0.053	3.20	23.30	22.90	0.058	/
			1	104	Top Side	1900	0.326	-3.94	23.00	22.87	0.336	/
			50	25	Top Side	1900	0.367	3.45	23.30	22.90	0.402	/
SA N5	20M	DFT_BPSK	1	1	Front side	839	0.071	1.79	23.00	22.65	0.077	/
			50	25	Front side	834	0.083	2.09	23.30	22.96	0.090	/
			1	1	Back Side	839	0.097	3.85	23.00	22.65	0.105	/
			50	25	Back Side	834	0.116	0.86	23.30	22.96	0.125	84
			1	1	Left Side	839	0.084	-1.53	23.00	22.65	0.091	/
			50	25	Left Side	834	0.096	0.93	23.30	22.96	0.104	/
			1	1	Right Side	839	0.089	3.37	23.00	22.65	0.096	/
			50	25	Right Side	834	0.095	-3.09	23.30	22.96	0.103	/
			1	1	Top Side	839	0.088	3.26	23.00	22.65	0.095	/
			50	25	Top Side	834	0.096	3.07	23.30	22.96	0.104	/



SA N7	20M	DFT_QPSK	1	1	Front side	2560	0.146	2.45	22.50	22.44	0.148	/
			50	25	Front side	2560	0.167	0.69	23.50	23.06	0.185	/
			1	1	Back Side	2560	0.206	2.35	22.50	22.44	0.209	/
			50	25	Back Side	2560	0.237	-3.59	23.50	23.06	0.262	86
			1	1	Left Side	2560	0.163	-1.51	22.50	22.44	0.165	/
			50	25	Left Side	2560	0.190	0.15	23.50	23.06	0.210	/
			1	1	Right Side	2560	0.176	-3.06	22.50	22.44	0.178	/
			50	25	Right Side	2560	0.194	-2.83	23.50	23.06	0.215	/
			1	1	Top Side	2560	0.168	-1.78	22.50	22.44	0.170	/
			50	25	Top Side	2560	0.190	-0.46	23.50	23.06	0.210	/
SA N25	20M	DFT_QPSK	1	104	Front side	1882.5	0.280	-1.63	23.00	22.75	0.297	/
			50	25	Front side	1905	0.320	-2.78	23.00	22.94	0.324	/
			1	104	Back Side	1882.5	0.393	0.96	23.00	22.75	0.416	/
			50	25	Back Side	1905	0.451	2.08	23.00	22.94	0.457	88
			1	104	Left Side	1882.5	0.320	1.22	23.00	22.75	0.339	/
			50	25	Left Side	1905	0.364	2.28	23.00	22.94	0.369	/
			1	104	Right Side	1882.5	0.328	2.64	23.00	22.75	0.347	/
			50	25	Right Side	1905	0.372	0.14	23.00	22.94	0.377	/
			1	104	Top Side	1882.5	0.324	-1.83	23.00	22.75	0.343	/
			50	25	Top Side	1905	0.363	3.96	23.00	22.94	0.368	/
SA N38	40M	DFT_QPSK	1	1	Front side	2595	0.129	2.23	23.00	22.78	0.136	/
			50	25	Front side	2595	0.151	3.73	23.50	23.17	0.163	/
			1	1	Back Side	2595	0.187	1.73	23.00	22.78	0.197	/
			50	25	Back Side	2595	0.216	3.95	23.50	23.17	0.233	90
			1	1	Left Side	2595	0.153	0.80	23.00	22.78	0.161	/
			50	25	Left Side	2595	0.176	3.95	23.50	23.17	0.190	/
			1	1	Right Side	2595	0.158	-1.60	23.00	22.78	0.166	/
			50	25	Right Side	2595	0.178	3.11	23.50	23.17	0.192	/
			1	1	Top Side	2595	0.157	-2.60	23.00	22.78	0.165	/
			50	25	Top Side	2595	0.175	3.32	23.50	23.17	0.189	/



SA N41	100M	DFT_BPSK	1	271	Front side	2593	0.061	3.97	23.20	22.48	0.072	/
			135	68	Front side	2640	0.057	-2.82	23.00	22.46	0.065	/
			1	271	Back Side	2593	0.199	-0.40	23.20	22.48	0.235	92
			135	68	Back Side	2640	0.176	3.05	23.00	22.46	0.199	/
			1	271	Left Side	2593	0.041	0.17	23.20	22.48	0.048	/
			135	68	Left Side	2640	0.035	3.28	23.00	22.46	0.040	/
			1	271	Right Side	2593	0.030	-1.05	23.20	22.48	0.035	/
			135	68	Right Side	2640	0.025	-0.25	23.00	22.46	0.028	/
			1	271	Top Side	2593	0.164	2.42	23.20	22.48	0.194	/
			135	68	Top Side	2640	0.146	1.71	23.00	22.46	0.165	/
SA N66	40M	DFT_BPSK	1	214	Front side	1712.5	0.132	-0.10	23.70	23.27	0.146	/
			108	54	Front side	1745	0.121	0.25	23.50	23.21	0.129	/
			1	214	Back Side	1712.5	0.431	-1.63	23.70	23.27	0.476	94
			108	54	Back Side	1745	0.381	0.02	23.50	23.21	0.407	/
			1	214	Left Side	1712.5	0.082	0.60	23.70	23.27	0.091	/
			108	54	Left Side	1745	0.071	3.98	23.50	23.21	0.076	/
			1	214	Right Side	1712.5	0.056	-3.93	23.70	23.27	0.062	/
			108	54	Right Side	1745	0.049	-3.48	23.50	23.21	0.052	/
			1	214	Top Side	1712.5	0.348	-0.89	23.70	23.27	0.384	/
			108	54	Top Side	1745	0.309	-3.37	23.50	23.21	0.330	/
SA N77	100M	DFT_QPSK	1	271	Front side	3750	0.136	-3.79	23.00	22.63	0.148	/
			135	67	Front side	3930	0.123	-2.51	22.50	22.35	0.127	/
			1	271	Back Side	3750	0.438	1.23	23.00	22.63	0.477	96
			135	67	Back Side	3930	0.386	-2.76	22.50	22.35	0.400	/
			1	271	Right Side	3750	0.088	-3.14	23.00	22.63	0.096	/
			135	67	Right Side	3930	0.075	3.55	22.50	22.35	0.078	/
			1	271	Top Side	3750	0.353	1.45	23.00	22.63	0.384	/
			135	67	Top Side	3930	0.314	3.69	22.50	22.35	0.325	/



SA N78	100M	DFT_QPSK	1	1	Front side	3500	0.224	-3.01	23.50	23.64	0.217	/
			135	67	Front side	3500	0.251	0.46	24.00	23.75	0.266	/
			1	1	Back Side	3500	0.732	-3.23	23.50	23.64	0.709	/
			135	67	Back Side	3500	0.828	0.17	24.00	23.75	0.877	98
			1	1	Right Side	3500	0.140	1.91	23.50	23.64	0.136	/
			135	67	Right Side	3500	0.161	2.10	24.00	23.75	0.171	/
			1	1	Top Side	3500	0.586	3.07	23.50	23.64	0.567	/
			135	67	Top Side	3500	0.665	-2.55	24.00	23.75	0.704	/

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)	Scaled SAR (W/Kg)	Meas. No.
SA N78	100M	DFT_QPSK	1	1	Front side	3500	0.224	-3.01	23.50	23.64	0.217	/
			135	67	Front side	3500	0.251	0.46	24.00	23.75	0.266	/
			1	1	Back Side	3500	0.732	-3.23	23.50	23.64	0.709	/
			135	67	Back Side	3500	0.828	0.17	24.00	23.75	0.877	98
			1	1	Left Side	3500	0.140	-3.69	23.50	23.64	0.136	/
			135	67	Left Side	3500	0.161	-0.42	24.00	23.75	0.171	/
			1	1	Right Side	3500	0.092	1.91	23.50	23.64	0.089	/
			135	67	Right Side	3500	0.107	2.10	24.00	23.75	0.113	/
			1	1	Top Side	3500	0.053	3.07	23.50	23.64	0.051	/
			135	67	Top Side	3500	0.062	-2.55	24.00	23.75	0.066	/
			1	1	Bottom Side	3500	0.586	2.38	23.50	23.64	0.567	/
			135	67	Bottom Side	3500	0.665	0.44	24.00	23.75	0.704	/
LTE Band 5	10M	QPSK	1	49	Front side	844	0.101	2.49	24.50	24.30	0.106	/
			25	24	Front side	844	0.093	-0.50	23.50	23.29	0.098	/
			1	49	Back Side	844	0.141	-3.77	24.50	24.30	0.148	60
			25	24	Back Side	844	0.129	1.11	23.50	23.29	0.135	/
			1	49	Left Side	844	0.114	-3.91	24.50	24.30	0.119	/
			25	24	Left Side	844	0.104	-3.80	23.50	23.29	0.109	/
			1	49	Right Side	844	0.119	-1.57	24.50	24.30	0.125	/
			25	24	Right Side	844	0.107	2.61	23.50	23.29	0.112	/
			1	49	Top Side	844	0.015	1.71	24.50	24.30	0.016	/
			25	24	Top Side	844	0.011	0.79	23.50	23.29	0.012	/
			1	49	Bottom Side	844	0.094	3.94	24.50	24.30	0.098	/
			25	24	Bottom Side	844	0.084	0.74	23.50	23.29	0.088	/

Band	Mode	Max SAR (W/Kg)	NSA N78+B5
NSA N78+B5	SA N78	0.877	1.025
	LTE B5	0.148	

Note:

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



12.3 Repeated SAR

Band	Mode	Test Position	Ch.	Result 1g (W/Kg)	Power Drift (%)	Max. Turn-up Power (dBm)	Meas. Output Power (dBm)	Scaled SAR (W/Kg)
WCDMA Band II	RMC	Bottom Side	1852.4	0.779	2.73	24.50	23.99	0.876
		Bottom Side	1880	0.840	-3.13	24.50	24.19	0.903
		Bottom Side	1907.6	0.796	-0.23	24.50	24.08	0.876

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)	Scaled SAR (W/Kg)
LTE Band 25	20M	QPSK	1	99	Back Side	1860	0.770	-2.10	24.50	24.05	0.854
			1	99	Back Side	1882.5	0.707	0.82	24.50	23.95	0.803
			1	99	Back Side	1905	0.688	0.39	24.50	23.88	0.793
SA N78	100M	DFT_QPSK	1	1	Back Side	3500	0.800	-1.93	23.50	23.64	0.774

12.4 Repeated SAR measurement

Band	Mode	Test Position	Ch.	Original Measured SAR 1g(W/kg)	1 st Repeated SAR 1g	Ratio
WCDMA Band II	RMC	Bottom Side	1852.4	0.782	0.779	1.004
		Bottom Side	1880	0.854	0.840	1.016
		Bottom Side	1907.6	0.813	0.796	1.022

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 25	20M	QPSK	1	99	Back Side	1860	0.776	0.770	1.008
			1	99	Back Side	1882.5	0.734	0.707	1.038
			1	99	Back Side	1905	0.712	0.688	1.035
SA N78	100M	DFT_QPSK	1	1	Back Side	3500	0.828	0.800	1.036

Note:

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



12.5 Simultaneous Multi-band Transmission Evaluation

Application Simultaneous Transmission information:

Position	Simultaneous State
Head	1. GSM + 2.4GHz WLAN/5G WLAN+NFC
	2. GSM + Bluetooth+NFC
	3. WCDMA + 2.4GHz WLAN/5G WLAN+NFC
	4. WCDMA + Bluetooth+NFC
	5. CDMA + 2.4GHz WLAN/5G WLAN+NFC
	6. CDMA + Bluetooth+NFC
	7. LTE + 2.4GHz WLAN/5G WLAN+NFC
	8. LTE + Bluetooth+NFC
	9. SA+2.4GHz WLAN/5G WLAN+NFC
	10. SA+ Bluetooth+NFC
	11. NSA + 2.4GHz WLAN/5G WLAN+NFC
	12. NSA + Bluetooth+NFC
Body	1. GSM + 2.4GHz WLAN/5G WLAN+NFC
	2. GSM + Bluetooth+NFC
	3. WCDMA + 2.4GHz WLAN/5G WLAN+NFC
	4. WCDMA + Bluetooth+NFC
	5. CDMA + 2.4GHz WLAN/5G WLAN+NFC
	6. CDMA + Bluetooth+NFC
	7. LTE + 2.4GHz WLAN/5G WLAN+NFC
	8. LTE + Bluetooth+NFC
	9. SA+2.4GHz WLAN/5G WLAN+NFC
	10. SA+ Bluetooth+NFC
	11. NSA + 2.4GHz WLAN/5G WLAN+NFC
	12. NSA + Bluetooth+NFC

NOTE:

1. Bluetooth and WLAN can't simultaneous transmission at the same time.
2. For simultaneous transmission at head and body exposure position, 2 transmitters simultaneous transmission was the worst state.
3. If the test separation distance is <5mm, 5mm is used for excluded SAR calculation.
4. KDB 447498 / 4.3.2 (2) when standalone SAR test exclusion applies to an antenna that transmits simultaneously with other antennas, the standalone SAR must be estimated according to following to determine simultaneous transmission SAR test exclusion:
 - a) $(\text{max. power of channel, including tune-up tolerance, mW}) / (\text{min. test separation distance, mm}) \cdot [\sqrt{f} \text{ (GHz)} / x] \text{ W/kg}$ for test separation distances $\leq 50 \text{ mm}$;
Where $x = 7.5$ for 1-g SAR, and $x = 18.75$ for 10-g SAR.
 - b) 0.4 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	1.5	1.413	5	2.441	0.059
	Body			5	2.441	0.059
NFC	Head	-40	0.0001	5	0.01356	0.0000003
	Body			5	0.01356	0.0000003



Simultaneous Mode	Position	Mode	Max. 1-g SAR	1-g Sum SAR
			(W/kg)	(W/kg)
GSM + 2.4G WLAN	Head	GSM	0.402	0.562
		2.4G WLAN	0.16	
		NFC	0.0000003	
	Body	GSM	0.924	1.068
		2.4G WLAN	0.144	
		NFC	0.0000003	
GSM + Bluetooth	Head	GSM	0.402	0.461
		Bluetooth	0.059	
		NFC	0.0000003	
	Body	GSM	0.924	0.983
		Bluetooth	0.059	
		NFC	0.0000003	
GSM + 5G WLAN	Head	GSM	0.402	1.019
		5G WLAN	0.617	
		NFC	0.0000003	
	Body	GSM	0.924	1.326
		5G WLAN	0.402	
		NFC	0.0000003	
WCDMA + 2.4G WLAN	Head	WCDMA	0.385	0.545
		2.4G WLAN	0.16	
		NFC	0.0000003	
	Body	WCDMA	0.807	0.951
		2.4G WLAN	0.144	
		NFC	0.0000003	
WCDMA + Bluetooth	Head	WCDMA	0.385	0.444
		Bluetooth	0.059	
		NFC	0.0000003	
	Body	WCDMA	0.807	0.866
		Bluetooth	0.059	
		NFC	0.0000003	
WCDMA + 5G WLAN	Head	WCDMA	0.385	1.002
		5G WLAN	0.617	
		NFC	0.0000003	
	Body	WCDMA	0.807	1.209
		5G WLAN	0.402	
		NFC	0.0000003	



CDMA + 2.4G WLAN	Head	CDMA	0.087	0.247
		2.4G WLAN	0.16	
		NFC	0.0000003	
	Body	CDMA	0.105	0.249
		2.4G WLAN	0.144	
		NFC	0.0000003	
CDMA + Bluetooth	Head	CDMA	0.087	0.146
		Bluetooth	0.059	
		NFC	0.0000003	
	Body	CDMA	0.105	0.164
		Bluetooth	0.059	
		NFC	0.0000003	
CDMA + 5G WLAN	Head	CDMA	0.087	0.704
		5G WLAN	0.617	
		NFC	0.0000003	
	Body	CDMA	0.105	0.507
		5G WLAN	0.402	
		NFC	0.0000003	
LTE + 2.4G WLAN	Head	LTE	0.441	0.601
		2.4G WLAN	0.16	
		NFC	0.0000003	
	Body	LTE	0.796	0.940
		2.4G WLAN	0.144	
		NFC	0.0000003	
LTE + Bluetooth	Head	LTE	0.441	0.500
		Bluetooth	0.059	
		NFC	0.0000003	
	Body	LTE	0.796	0.855
		Bluetooth	0.059	
		NFC	0.0000003	
LTE + 5G WLAN	Head	LTE	0.441	1.058
		5G WLAN	0.617	
		NFC	0.0000003	
	Body	LTE	0.796	1.198
		5G WLAN	0.402	
		NFC	0.0000003	



SA + 2.4G WLAN	Head	NR SA	0.573	0.733
		5G WLAN	0.16	
		NFC	0.0000003	
	Body	NR SA	0.634	0.778
		5G WLAN	0.144	
		NFC	0.0000003	
SA+ Bluetooth	Head	NR SA	0.573	0.632
		2.4G WLAN	0.059	
		NFC	0.0000003	
	Body	NR SA	0.634	0.693
		2.4G WLAN	0.059	
		NFC	0.0000003	
SA + 5G WLAN	Head	NR SA	0.573	1.190
		Bluetooth	0.617	
		NFC	0.0000003	
	Body	NR SA	0.634	1.036
		Bluetooth	0.402	
		NFC	0.0000003	
NSA + 2.4G WLAN	Head	NSA	0.459	0.619
		2.4G WLAN	0.16	
		NFC	0.0000003	
	Body	NSA	0.781	0.925
		2.4G WLAN	0.144	
		NFC	0.0000003	
NSA + Bluetooth	Head	NSA	0.459	0.518
		Bluetooth	0.059	
		NFC	0.0000003	
	Body	NSA	0.781	0.840
		Bluetooth	0.059	
		NFC	0.0000003	
NSA + 5G WLAN	Head	NSA	0.459	1.076
		5G WLAN	0.617	
		NFC	0.0000003	
	Body	NSA	0.781	1.183
		5G WLAN	0.402	
		NFC	0.0000003	

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	2022.02.11	2025.02.10
835MHz Dipole	MVG	DIP0G835	SN 06/22 DIP0G835-639	2022.02.11	2025.02.10
1800MHz Dipole	MVG	DIP1G800	SN 06/22 DIP1G800-640	2022.02.11	2025.02.10
1900MHz Dipole	MVG	DIP1G900	SN 06/22 DIP1G900-641	2022.02.11	2025.02.10
2300MHz Dipole	MVG	DIP2G300	SN 06/22 DIP2G100-644	2022.02.11	2025.02.10
2450MHz Dipole	MVG	DIP2G450	SN 06/22 DIP2G450-645	2022.02.11	2025.02.10
2600MHz Dipole	MVG	DIP2G600	SN 06/22 DIP2G600-646	2022.02.11	2025.02.10
3500MHz Dipole	MVG	DIP3G500	SN 06/22 DIP3G500-647	2022.02.11	2025.02.10
3700MHz Dipole	MVG	DIP3G700	SN 06/22 DIP3G700-648	2022.02.11	2025.02.10
3900MHz Dipole	MVG	DIP3G900	SN 06/22 DIP3G900-649	2022.02.11	2025.02.10
5000MHz Dipole	MVG	DIP5G000	SN 06/22 DIP5G000-653	2022.02.11	2025.02.10
E-Field Probe	MVG	EPGO364	SN 04/22 EPGO364	2024.02.07	2025.02.06
Liquid Calibration Kit	MVG	OCPG 87	SN 06/22 OCPG87	2024.02.07	2025.02.06
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	2024.04.11	2025.04.10
Network Analyzer	ZVL	R&S	116184-HC	2024.03.25	2025.03.24
Multi Meter	DMM6500	Keithley	4527252	2024.03.15	2025.03.14
Signal Generator	Keysight	N5182B	MY59100717	2024.03.09	2025.03.08
Wireless Communication Test Set	R&S	CMW500	137737	2024.03.09	2025.03.08
Power Sensor	R&S	Z11	116184	2024.02.23	2025.02.22
Electronic Temperature hygrometer	N/A	ST-W2318	N/A	2024.03.11	2025.03.10
Temperature hygrometer	N/A	TP101	N/A	2024.03.11	2025.03.10



Appendix A. System Validation Plots

System Performance Check Data (750MHz)

Type: Phone measurement (Complete)

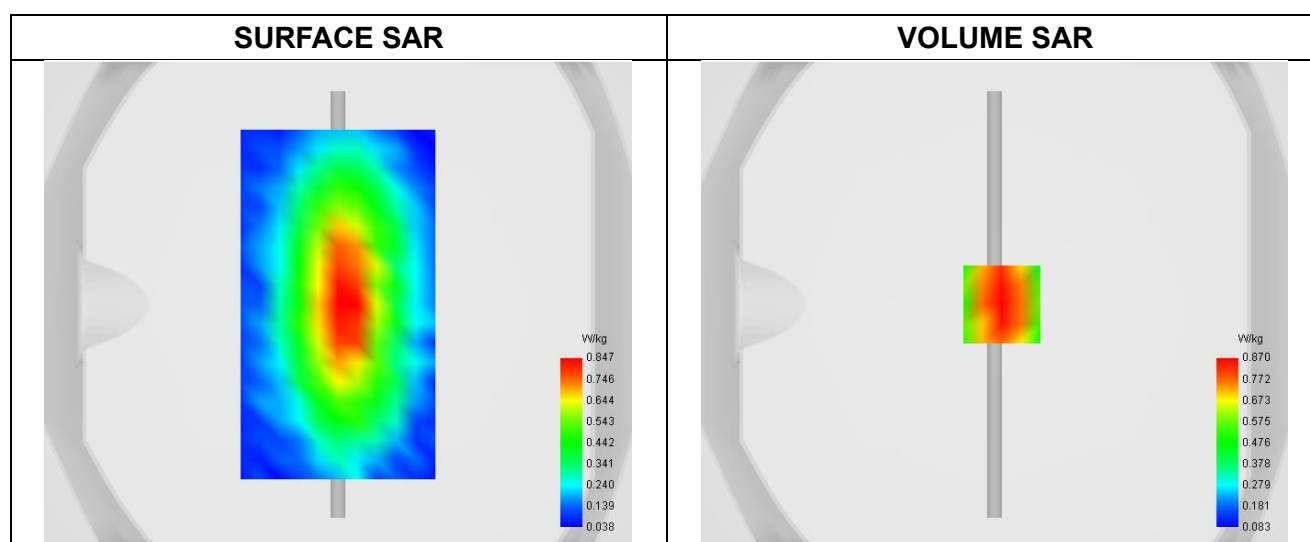
Area scan resolution: dx=8mm,dy=8mm

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

Date of measurement: 2024-08-05

Experimental conditions.

Phantom	Validation plane
Device Position	Dipole
Band	CW750
Channels	Middle
Signal	CW
Frequency (MHz)	750.000
Relative permittivity	42.53
Conductivity (S/m)	0.86
Probe	SN 04/22 EPGO364
ConvF	1.68
Crest factor:	1:1

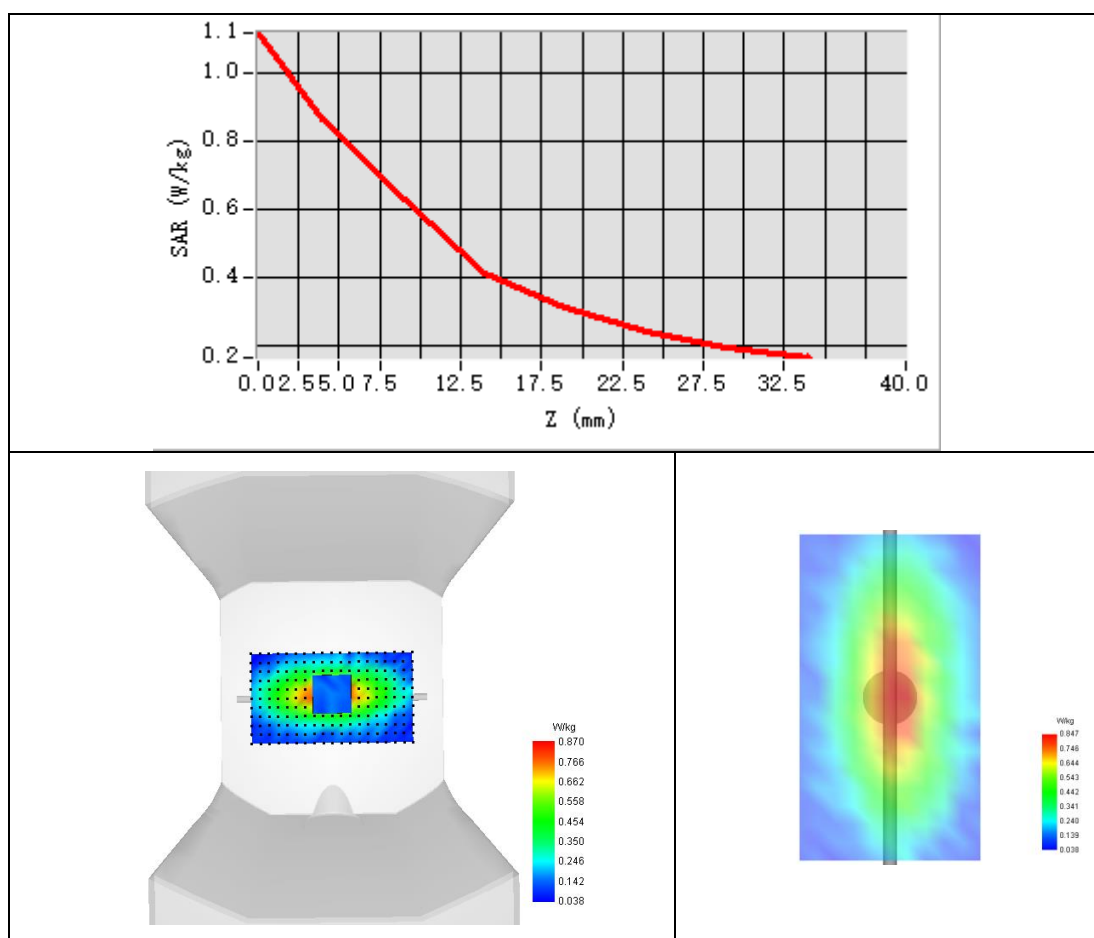


Maximum location: X=3.00, Y=0.00 ; SAR Peak: 1.19 W/kg

SAR 10g (W/Kg)	0.567
SAR 1g (W/Kg)	0.870



Z Axis Scan





System Performance Check Data (835MHz)

Type: Phone measurement (Complete)

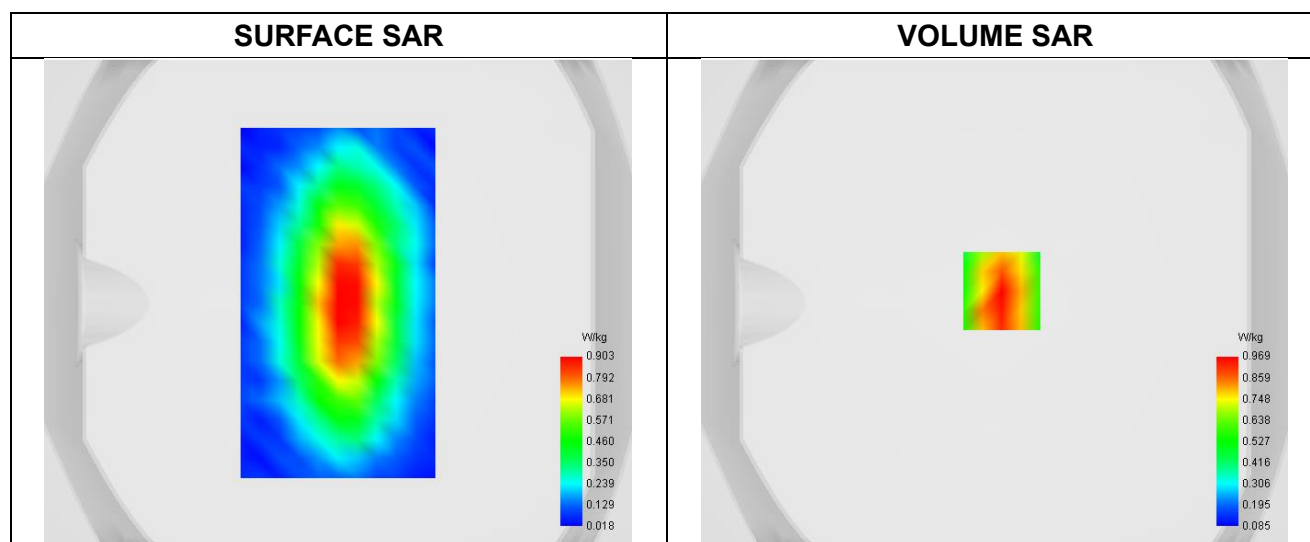
Area scan resolution: dx=8mm,dy=8mm

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

Date of measurement: 2024-08-05

Experimental conditions.

Phantom	Validation plane
Device Position	Dipole
Band	CW835
Channels	Middle
Signal	CW
Frequency (MHz)	835.000
Relative permittivity	41.13
Conductivity (S/m)	0.93
Probe	SN 04/22 EPGO364
ConvF	1.70
Crest factor:	1:1

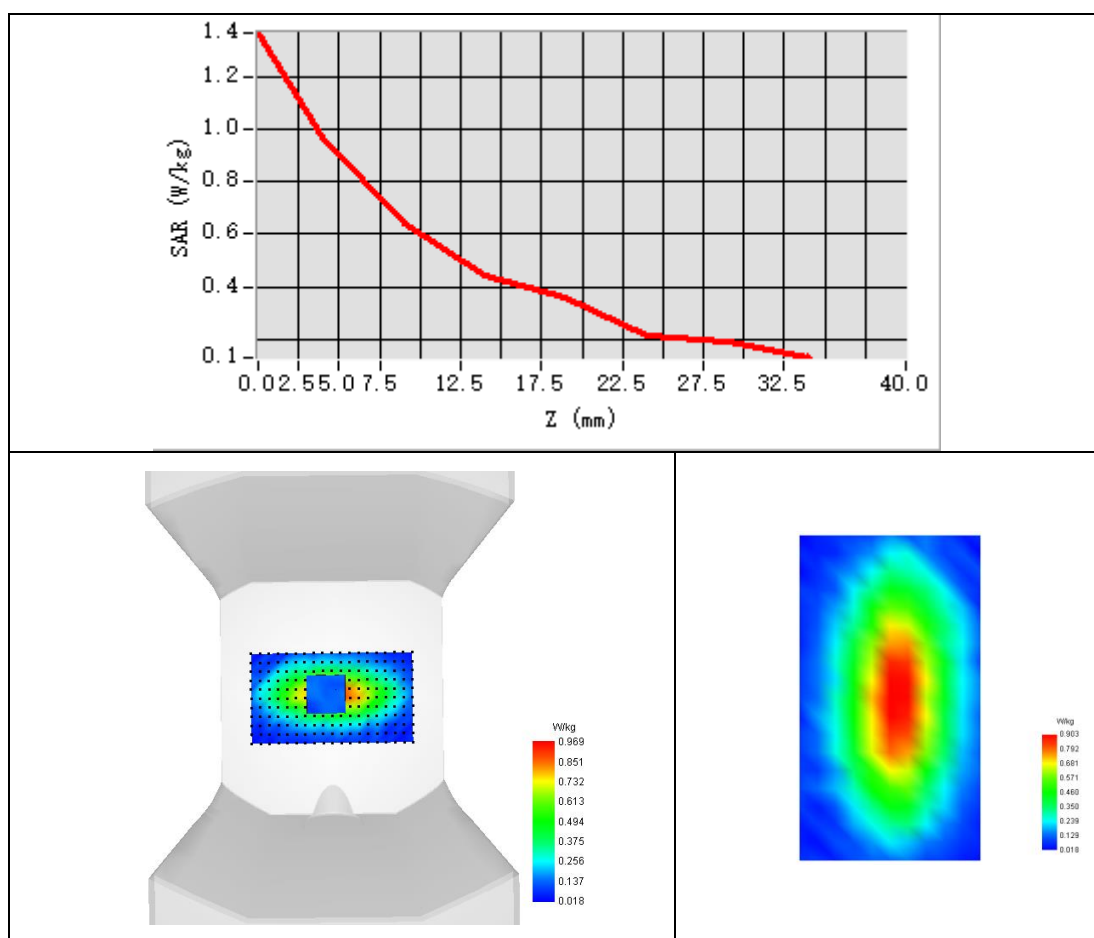


Maximum location: X=3.00, Y=5.00 ; SAR Peak: 1.37 W/kg

SAR 10g (W/Kg)	0.586
SAR 1g (W/Kg)	0.971



Z Axis Scan





System Performance Check Data (835MHz)

Type: Phone measurement (Complete)

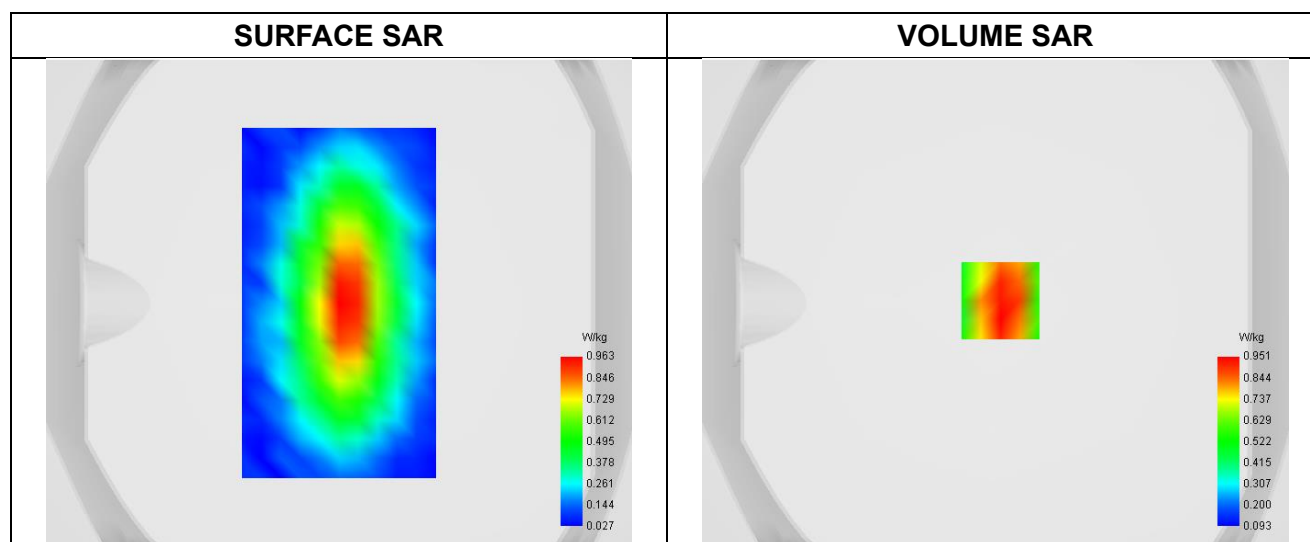
Area scan resolution: dx=8mm,dy=8mm

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

Date of measurement: 2024-08-22

Experimental conditions.

Phantom	Validation plane
Device Position	Dipole
Band	CW835
Channels	Middle
Signal	CW
Frequency (MHz)	835.000
Relative permittivity	41.91
Conductivity (S/m)	0.92
Probe	SN 04/22 EPGO364
ConvF	1.70
Crest factor:	1:1

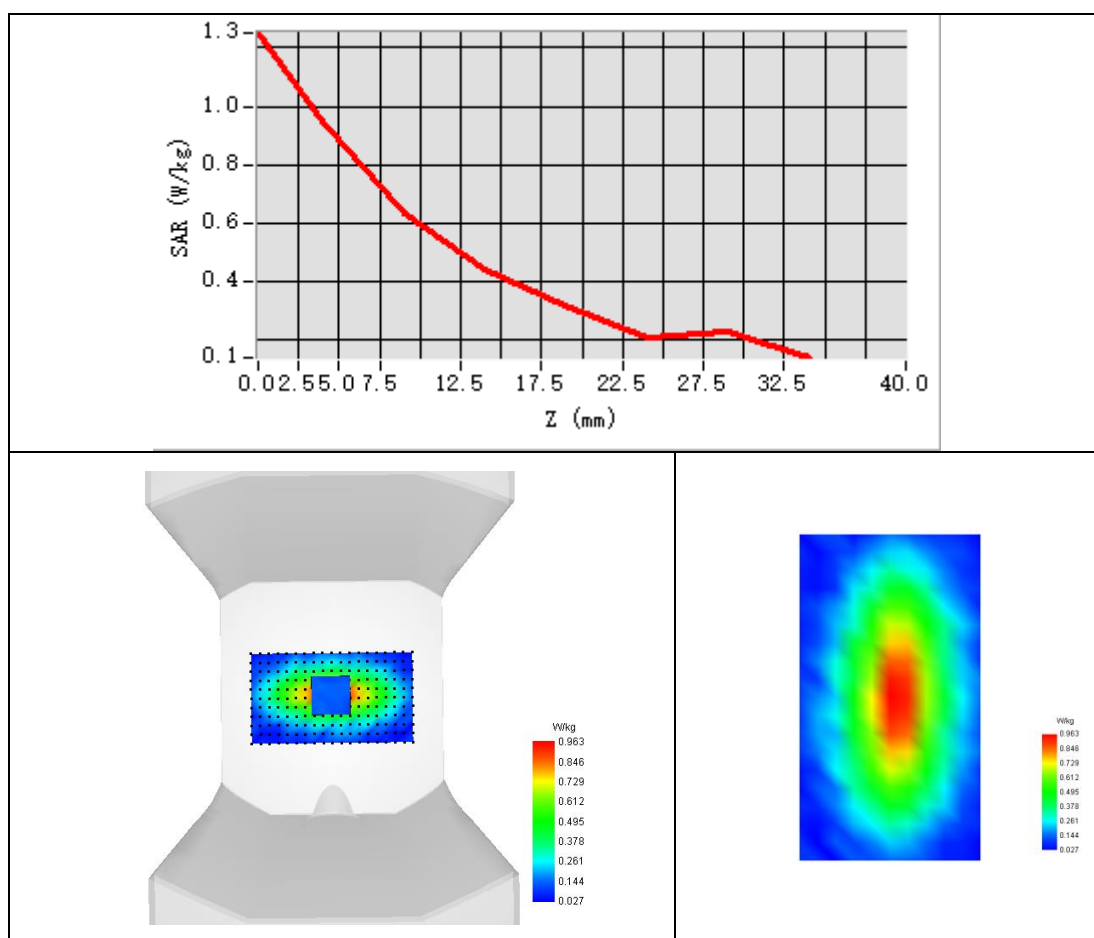


Maximum location: X=2.00, Y=1.00 ; SAR Peak: 1.46 W/kg

SAR 10g (W/Kg)	0.619
SAR 1g (W/Kg)	0.967



Z Axis Scan





System Performance Check Data (1800MHz)

Type: Phone measurement (Complete)

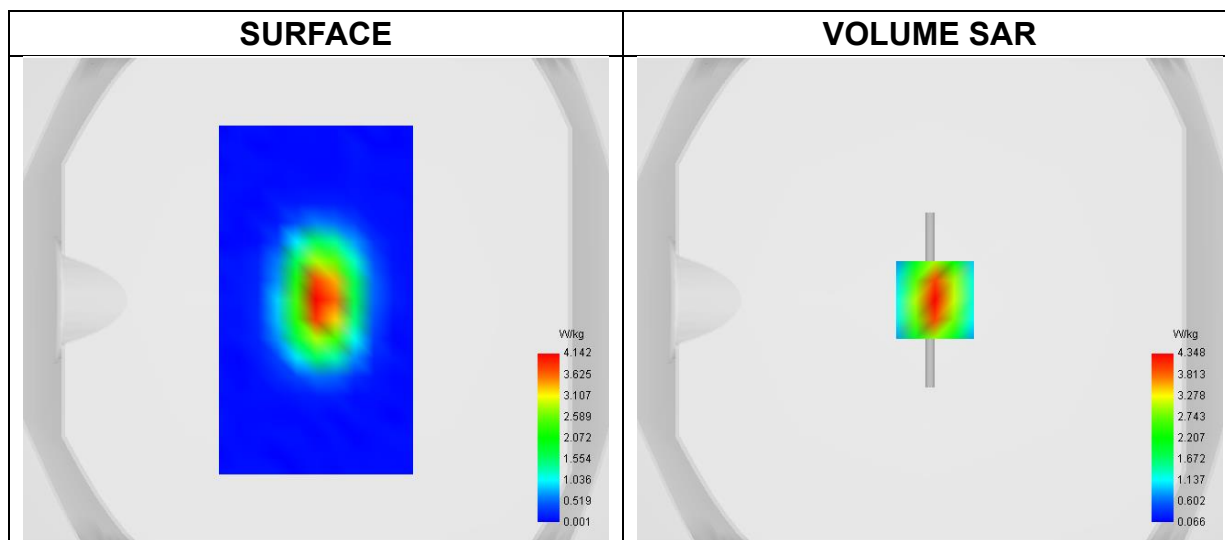
Area scan resolution: dx=8mm, dy=8mm

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

Date of measurement: 2024-08-21

Experimental conditions.

Phantom	Validation plane
Device Position	Dipole
Band	CW1800
Channels	Middle
Signal	CW
Frequency (MHz)	1800.000
Relative permittivity	40.52
Conductivity (S/m)	1.37
Probe	SN 04/22 EPGO364
ConvF	1.91
Crest factor:	1:1

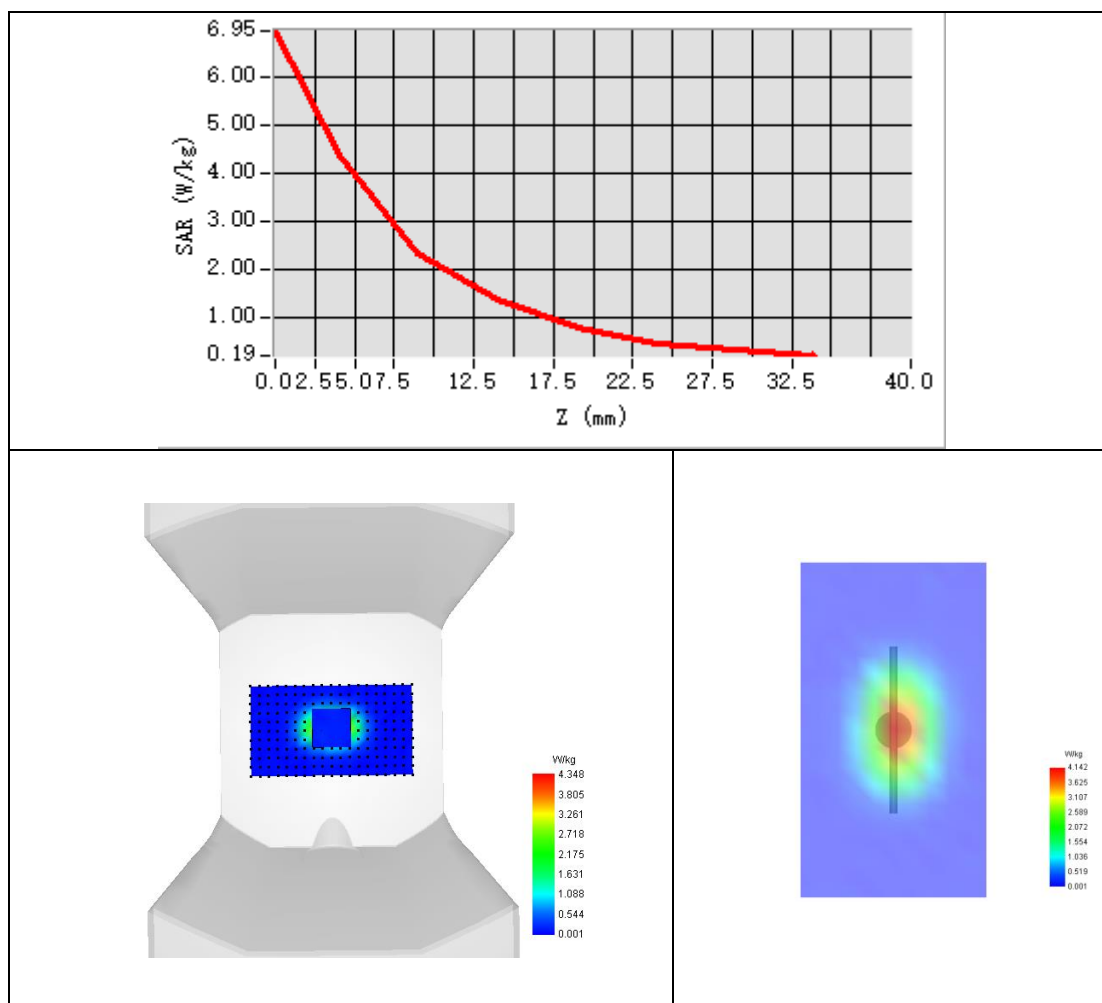


Maximum location: X=2.00, Y=0.00 ; SAR Peak: 6.91 W/kg

SAR 10g (W/Kg)	2.053
SAR 1g (W/Kg)	3.885



Z Axis Scan





System Performance Check Data (1800MHz)

Type: Phone measurement (Complete)

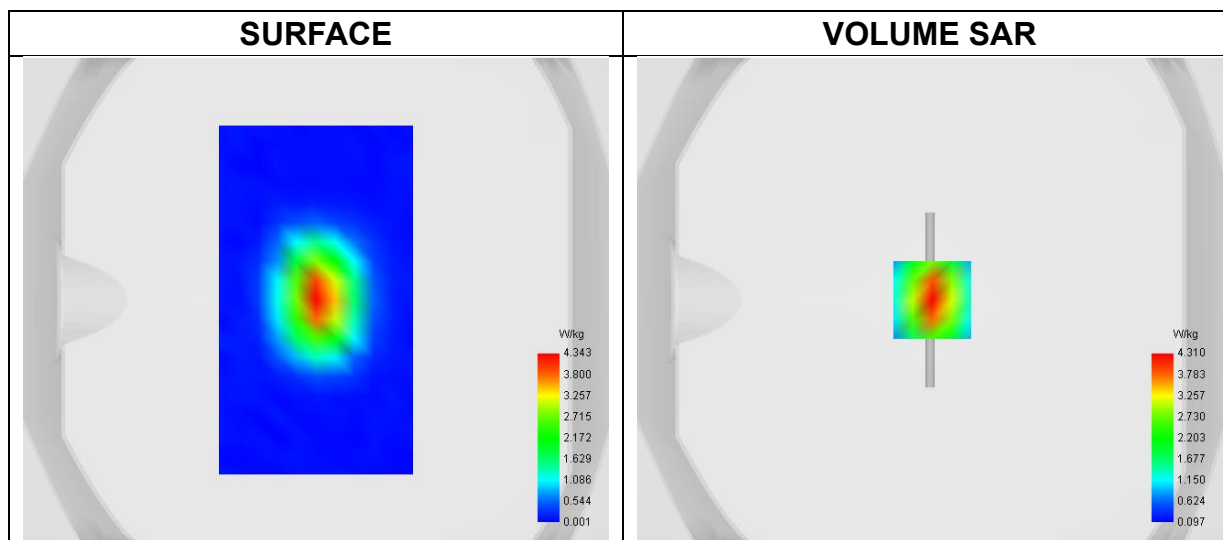
Area scan resolution: dx=8mm, dy=8mm

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

Date of measurement: 2024-08-22

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)	1.42
Probe	SN 04/22 EPGO364
ConvF	1.91
Crest factor:	1:1

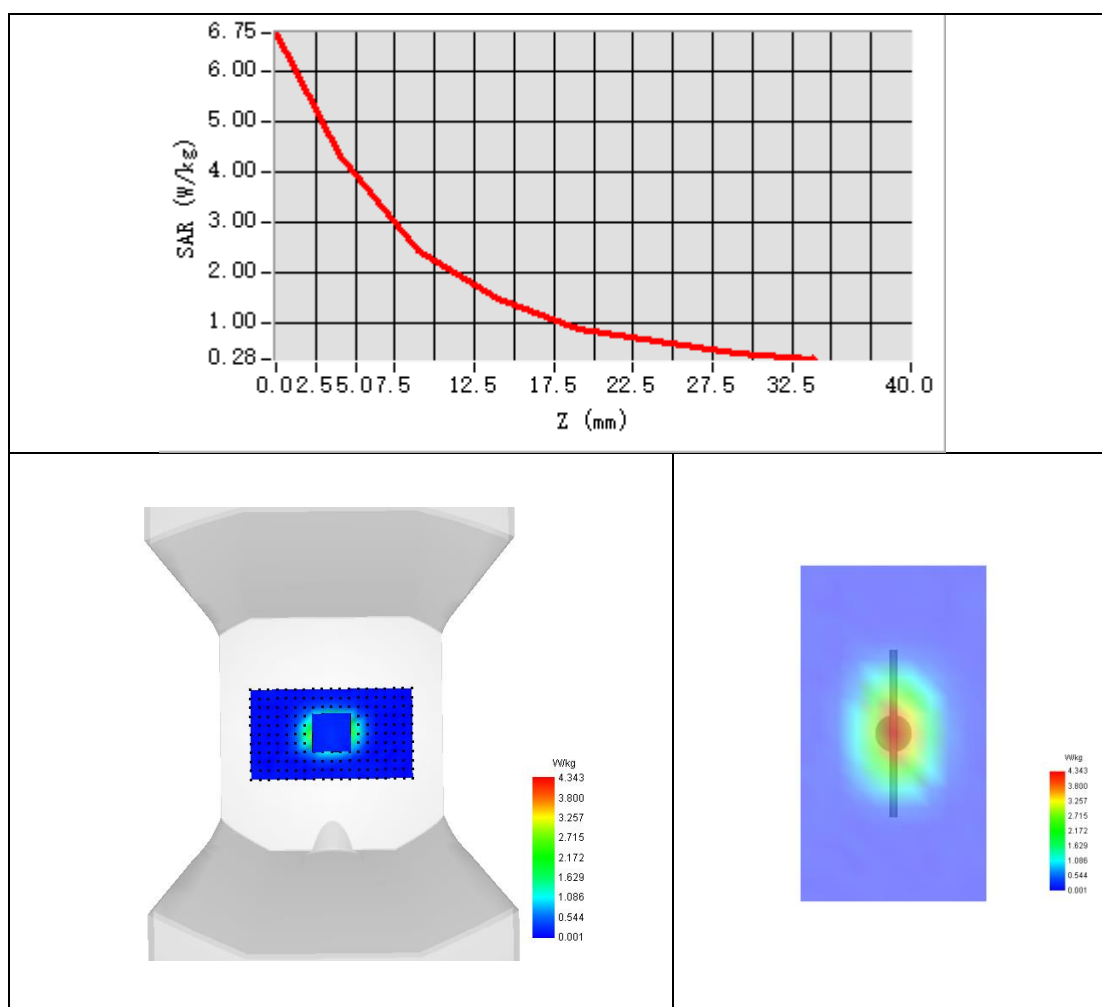


Maximum location: X=1.00, Y=0.00 ; SAR Peak: 6.69 W/kg

SAR 10g (W/Kg)	2.049
SAR 1g (W/Kg)	3.907



Z Axis Scan





System Performance Check Data (1900MHz)

Type: Phone measurement (Complete)

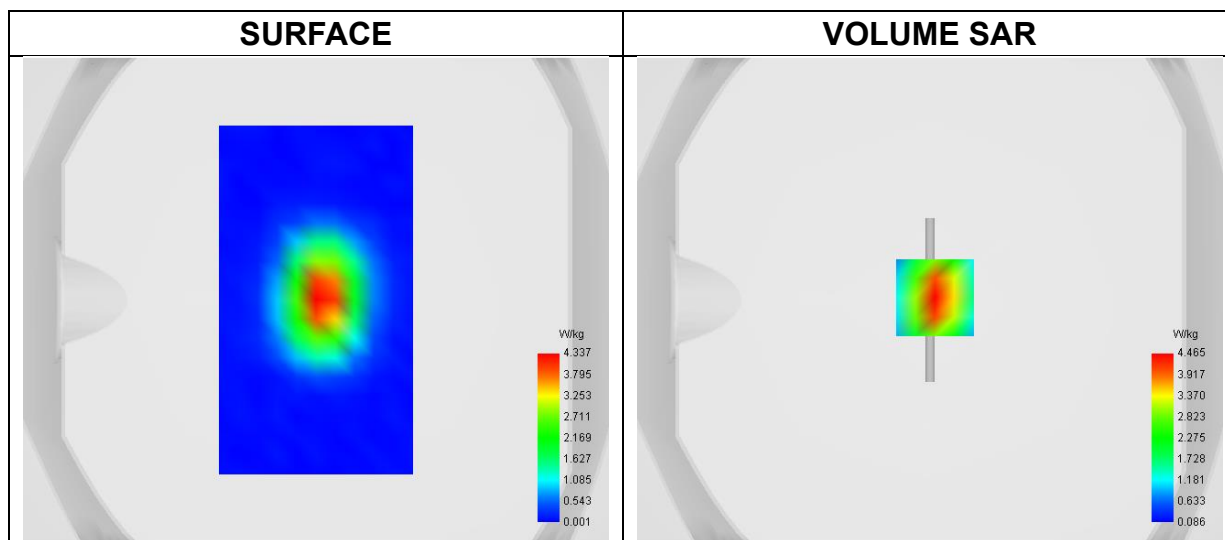
Area scan resolution: dx=8mm, dy=8mm

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

Date of measurement: 2024-08-03

Experimental conditions.

Phantom	Validation plane
Device Position	Dipole
Band	CW1900
Channels	Middle
Signal	CW
Frequency (MHz)	1900.000
Relative permittivity	40.78
Conductivity (S/m)	1.34
Probe	SN 04/22 EPGO364
ConvF	2.24
Crest factor:	1:1

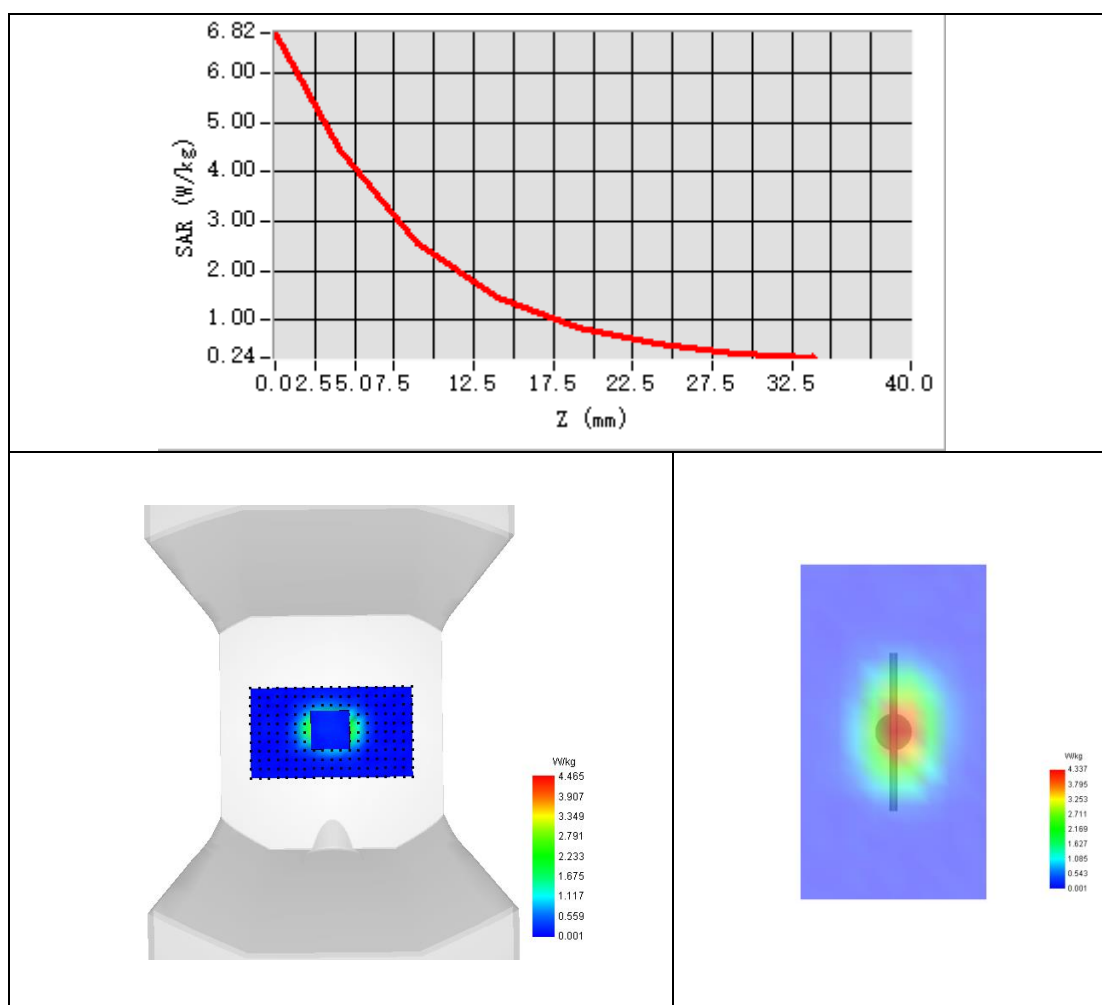


Maximum location: X=2.00, Y=1.00 ; SAR Peak: 6.92 W/kg

SAR 10g (W/Kg)	2.096
SAR 1g (W/Kg)	4.096



Z Axis Scan





System Performance Check Data (1900MHz)

Type: Phone measurement (Complete)

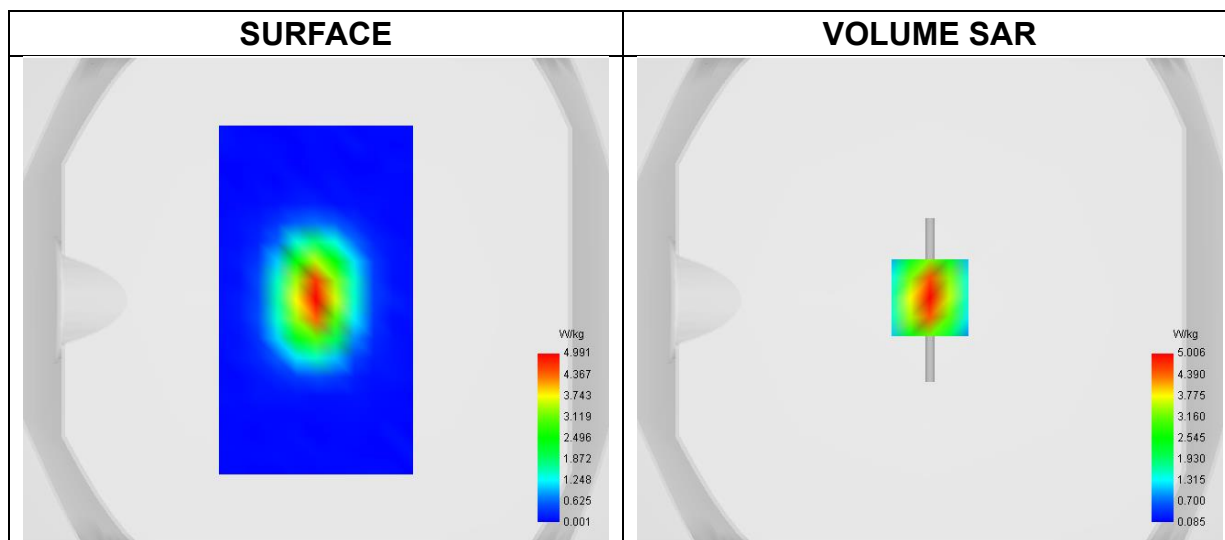
Area scan resolution: dx=8mm, dy=8mm

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

Date of measurement: 2024-08-20

Experimental conditions.

Phantom	Validation plane
Device Position	Dipole
Band	CW1900
Channels	Middle
Signal	CW
Frequency (MHz)	1900.000
Relative permittivity	40.78
Conductivity (S/m)	1.39
Probe	SN 04/22 EPGO364
ConvF	2.24
Crest factor:	1:1

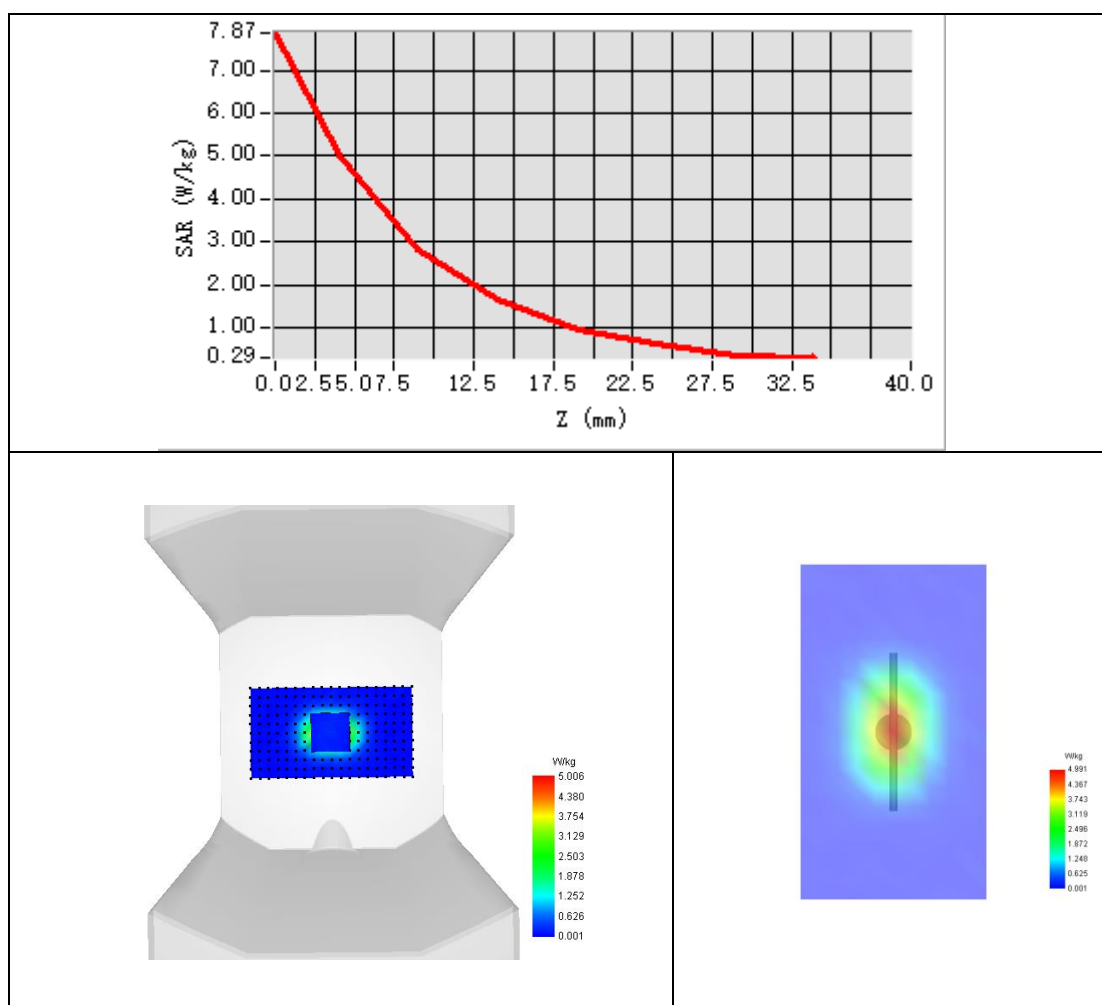


Maximum location: X=0.00, Y=1.00 ; SAR Peak: 7.81 W/kg

SAR 10g (W/Kg)	2.083
SAR 1g (W/Kg)	4.044



Z Axis Scan





System Performance Check Data (2300MHz)

Type: Phone measurement (Complete)

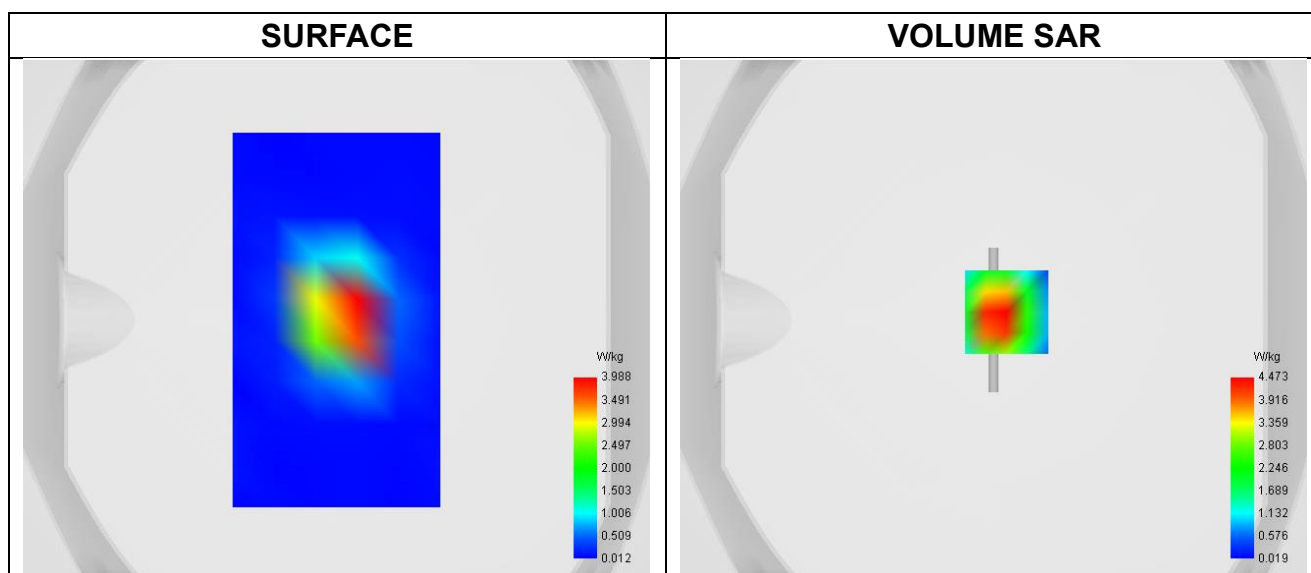
Area scan resolution: dx=8mm, dy=8mm

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

Date of measurement: 2024-08-12

Experimental conditions.

Phantom	Validation plane
Device Position	Dipole
Band	CW2300
Channels	Middle
Signal	CW
Frequency (MHz)	2300.000
Relative permittivity	39.42
Conductivity (S/m)	1.65
Probe	SN 04/22 EPGO364
ConvF	2.31
Crest factor:	1:1

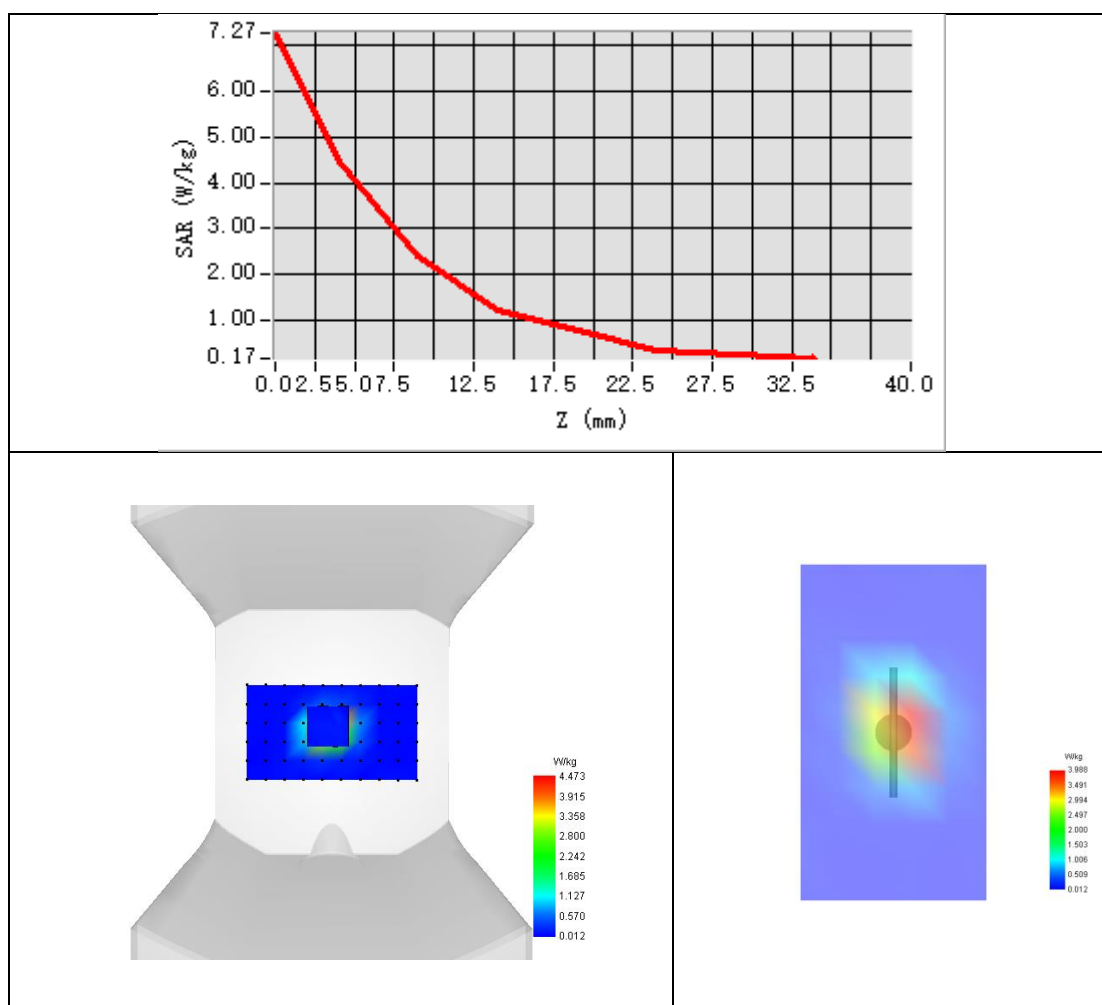


Maximum location: X=3.00, Y=0.00 ; SAR Peak: 8.28 W/kg

SAR 10g (W/Kg)	2.320
SAR 1g (W/Kg)	5.068



Z Axis Scan





System Performance Check Data (2450MHz)

Type: Phone measurement (Complete)

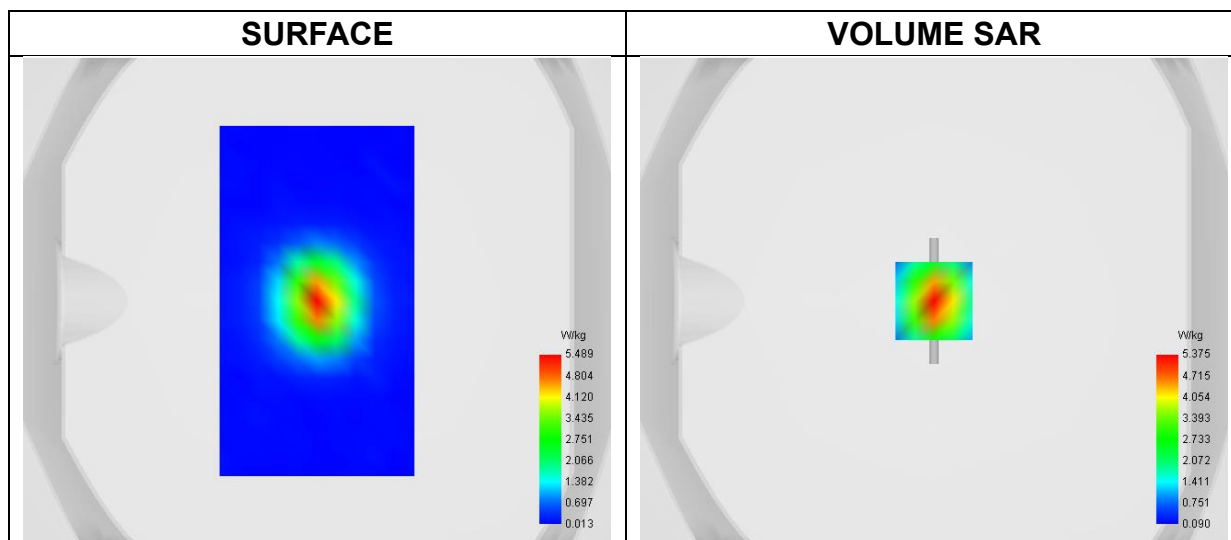
Area scan resolution: dx=8mm, dy=8mm

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

Date of measurement: 2024-08-27

Experimental conditions.

Phantom	Validation plane
Device Position	Dipole
Band	CW2450
Channels	Middle
Signal	CW
Frequency (MHz)	2450.000
Relative permittivity	39.60
Conductivity (S/m)	1.85
Probe	SN 04/22 EPGO364
ConvF	2.30
Crest factor:	1:1

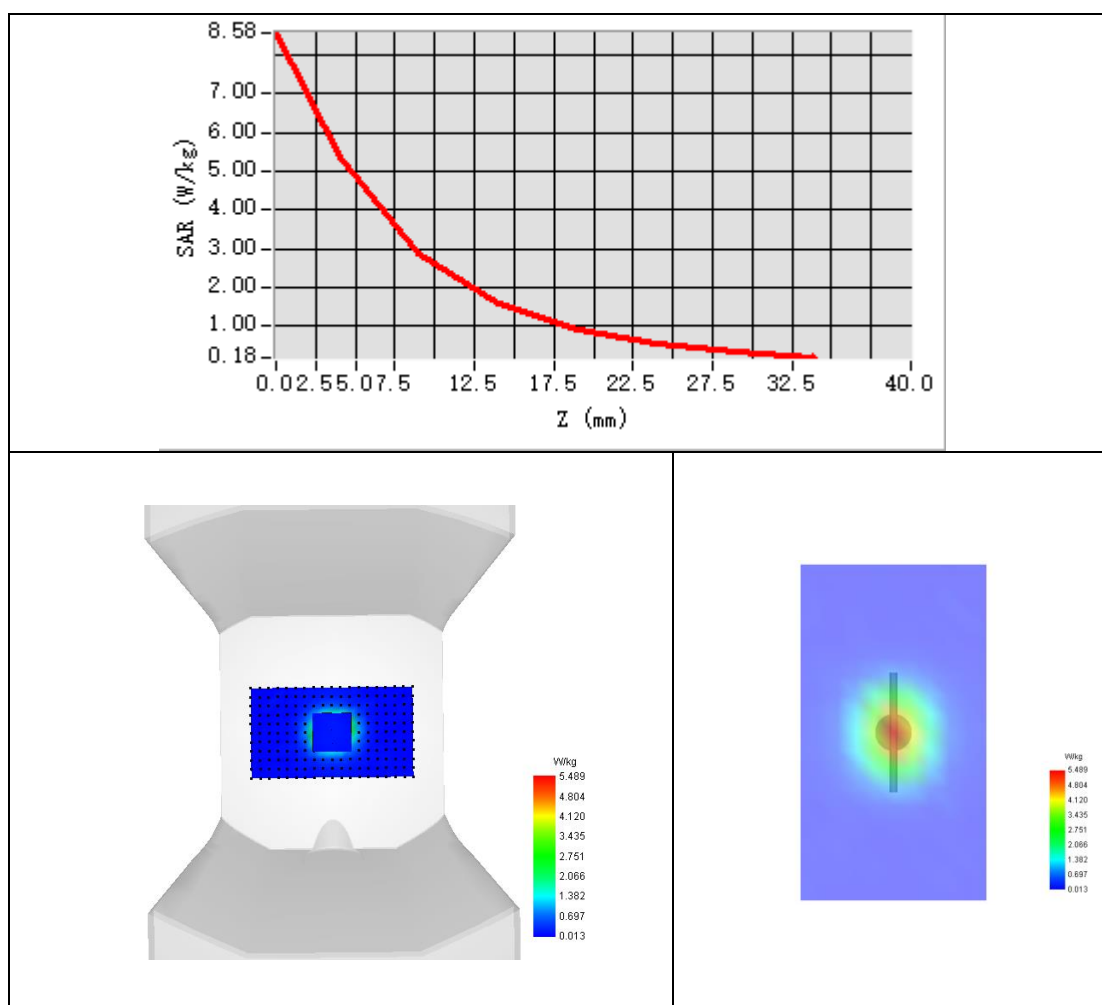


Maximum location: X=0.00, Y=0.00 ; SAR Peak: 8.55 W/kg

SAR 10g (W/Kg)	2.335
SAR 1g (W/Kg)	5.400



Z Axis Scan





System Performance Check Data (2600MHz)

Type: Phone measurement (Complete)

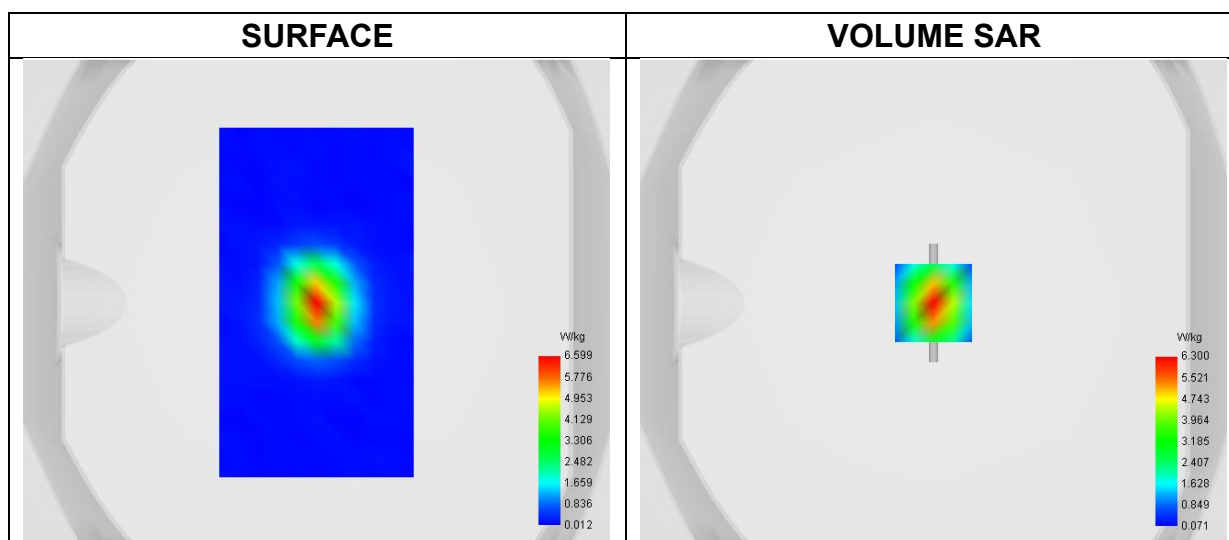
Area scan resolution: dx=8mm, dy=8mm

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

Date of measurement: 2024-08-04

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)	1.99
Probe	SN 04/22 EPGO364
ConvF	2.35
Crest factor:	1:1

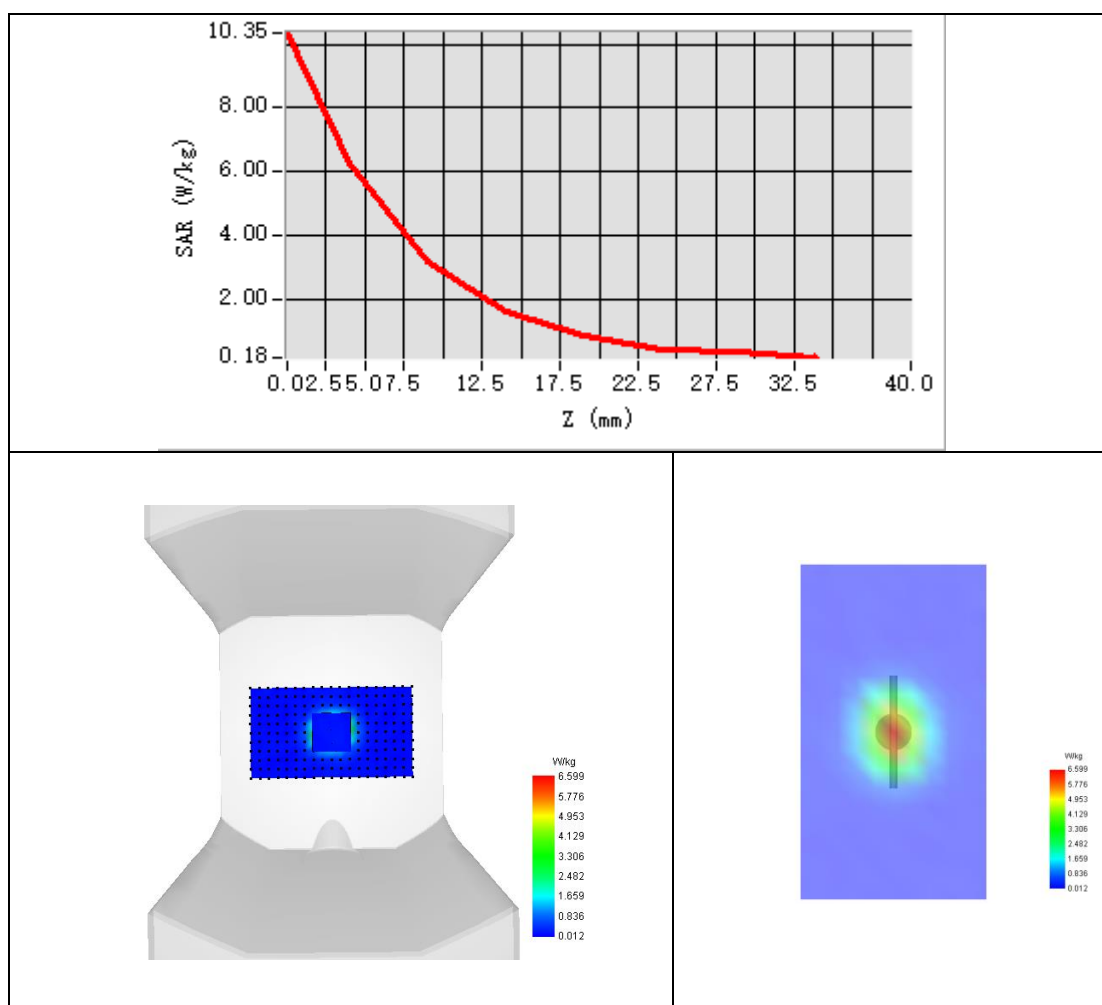


Maximum location: X=0.00, Y=0.00 ; SAR Peak: 10.27 W/kg

SAR 10g (W/Kg)	2.416
SAR 1g (W/Kg)	5.677



Z Axis Scan





System Performance Check Data (2600MHz)

Type: Phone measurement (Complete)

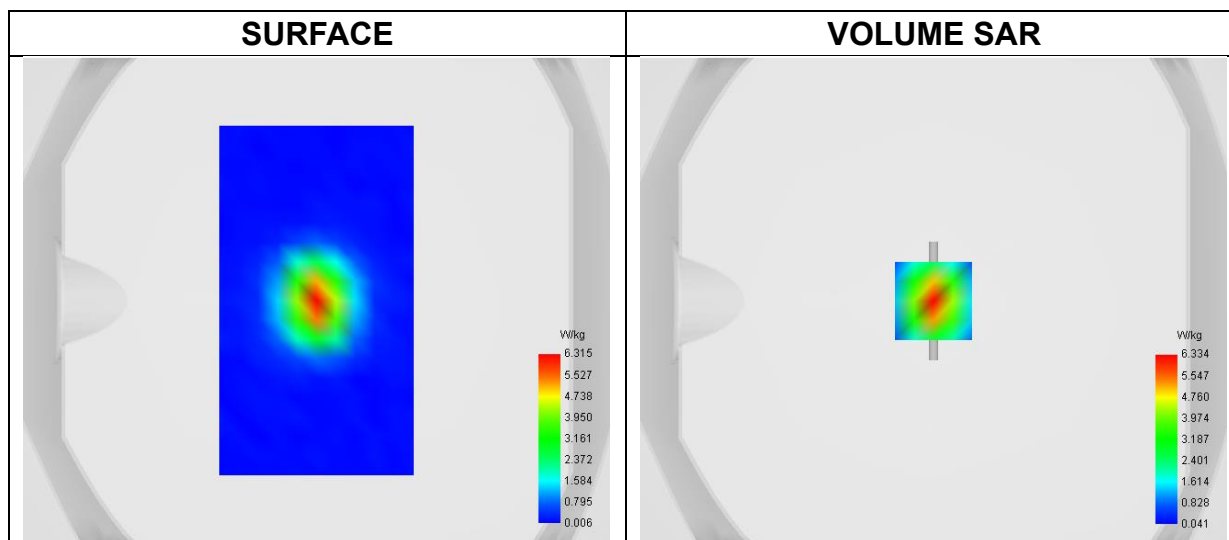
Area scan resolution: dx=8mm, dy=8mm

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

Date of measurement: 2024-08-07

Experimental conditions.

Phantom	Validation plane
Device Position	Dipole
Band	CW2600
Channels	Middle
Signal	CW
Frequency (MHz)	2600.000
Relative permittivity	39.44
Conductivity (S/m)	1.93
Probe	SN 04/22 EPGO364
ConvF	2.35
Crest factor:	1:1

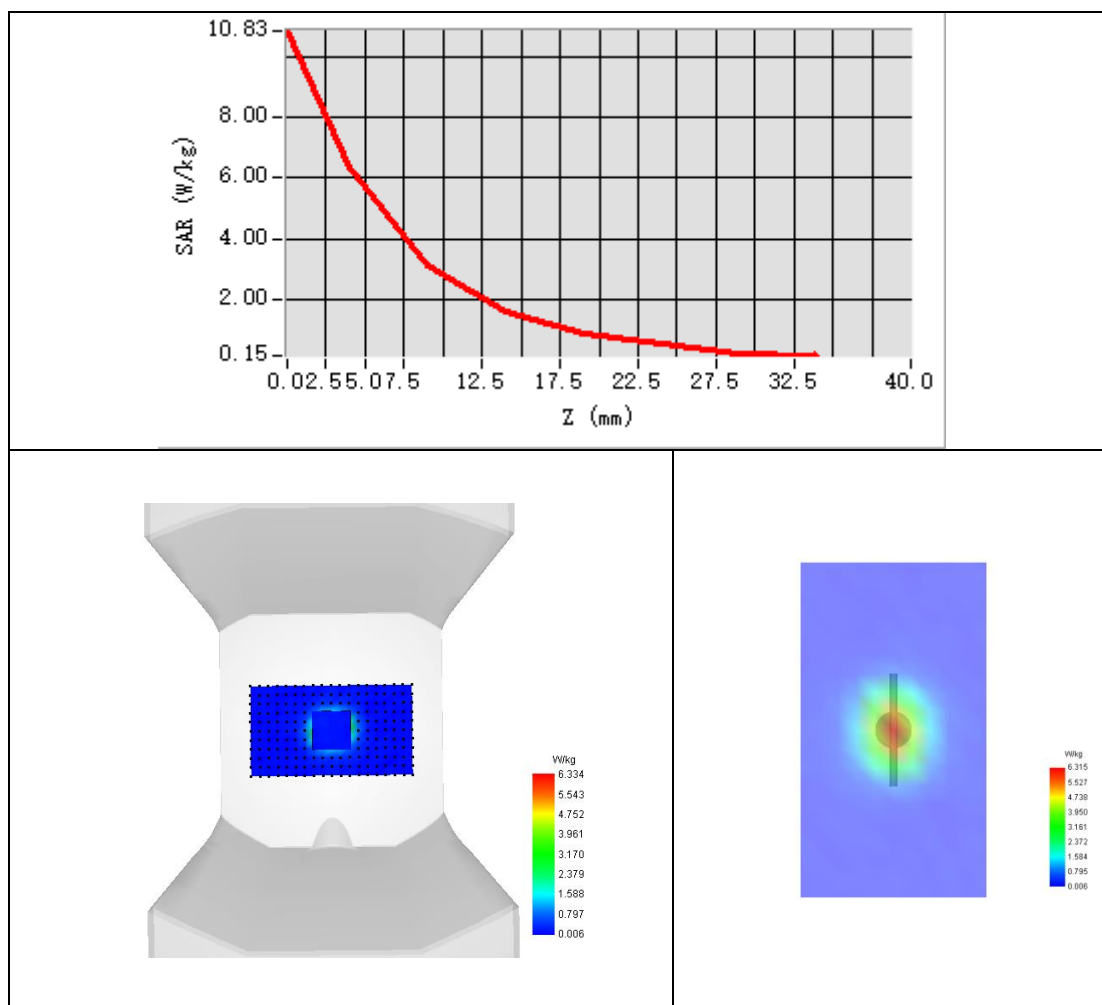


Maximum location: X=0.00, Y=0.00 ; SAR Peak: 10.67 W/kg

SAR 10g (W/Kg)	2.406
SAR 1g (W/Kg)	5.623



Z Axis Scan





System Performance Check Data (3500MHz)

Type: Phone measurement (Complete)

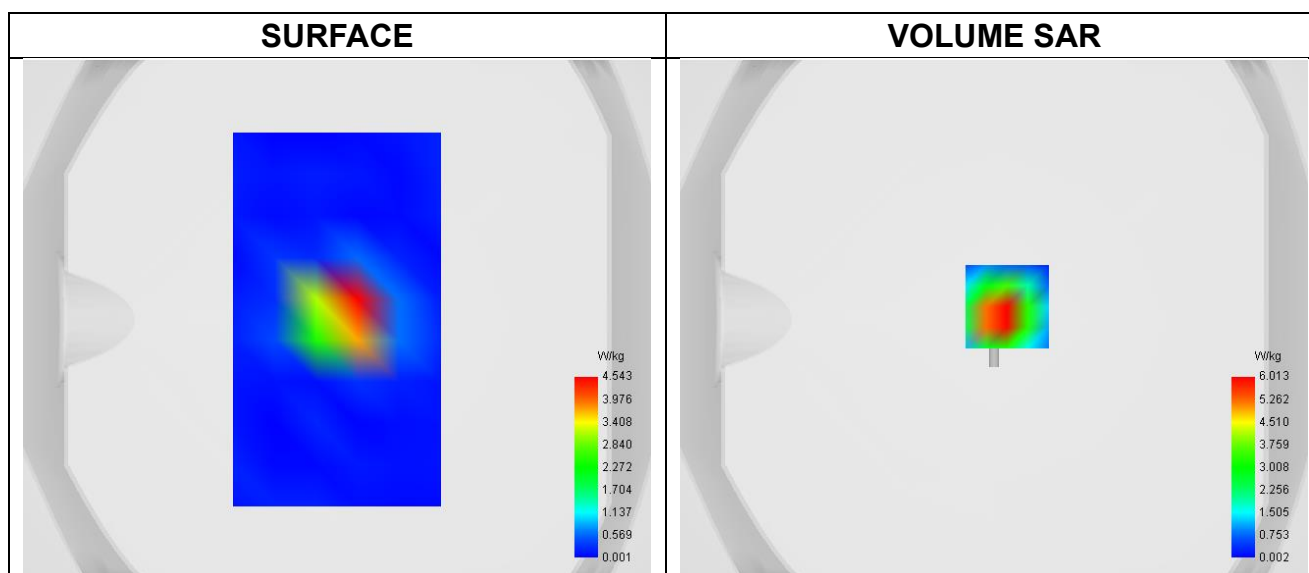
Area scan resolution: dx=4mm, dy=4mm

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

Date of measurement: 2024-08-23

Experimental conditions.

Phantom	Validation plane
Device Position	Dipole
Band	CW3500
Channels	Middle
Signal	CW
Frequency (MHz)	3500.000
Relative permittivity	39.17
Conductivity (S/m)	2.96
Probe	SN 04/22 EPGO364
ConvF	1.83
Crest factor:	1:1

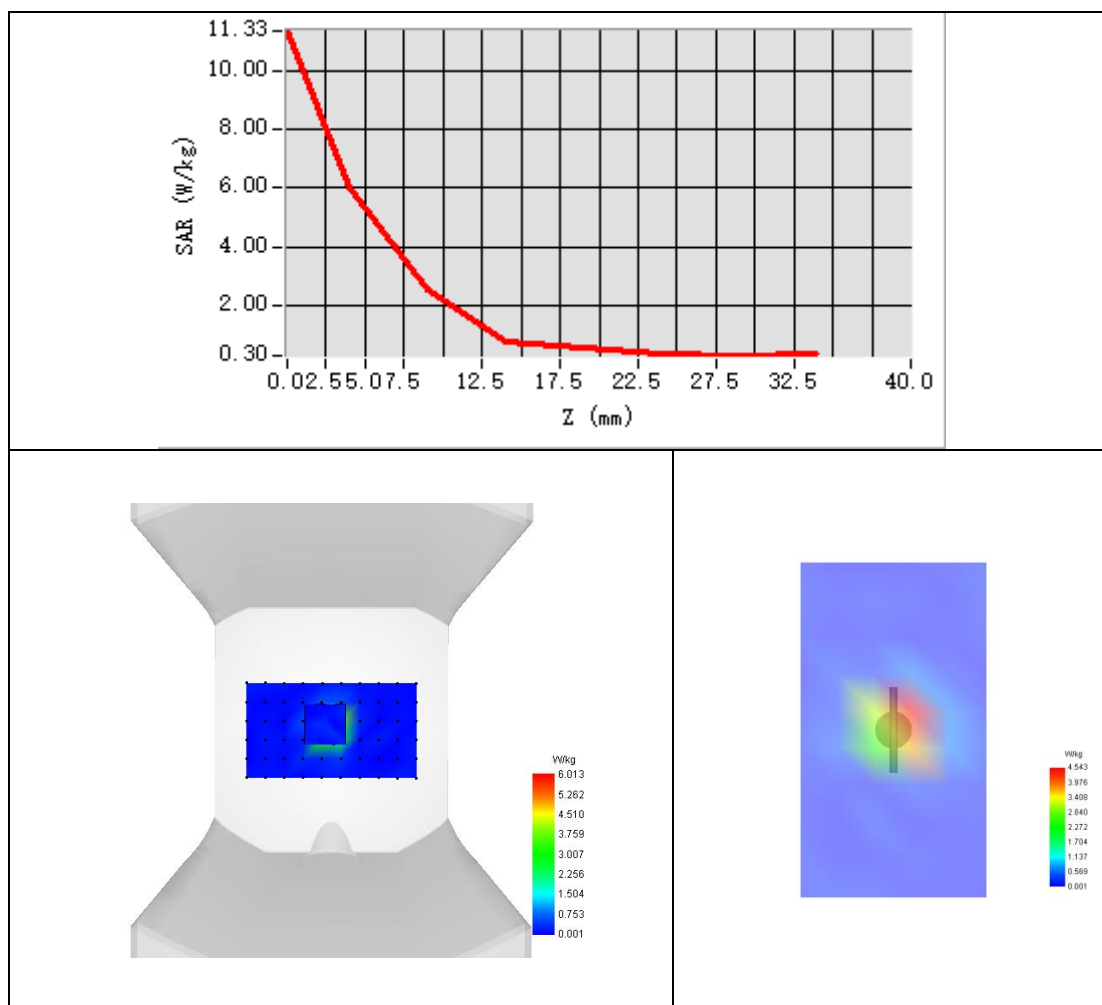


Maximum location: X=5.00, Y=5.00 ; SAR Peak: 12.88 W/kg

SAR 10g (W/Kg)	2.493
SAR 1g (W/Kg)	6.871



Z Axis Scan





System Performance Check Data (3700MHz)

Type: Phone measurement (Complete)

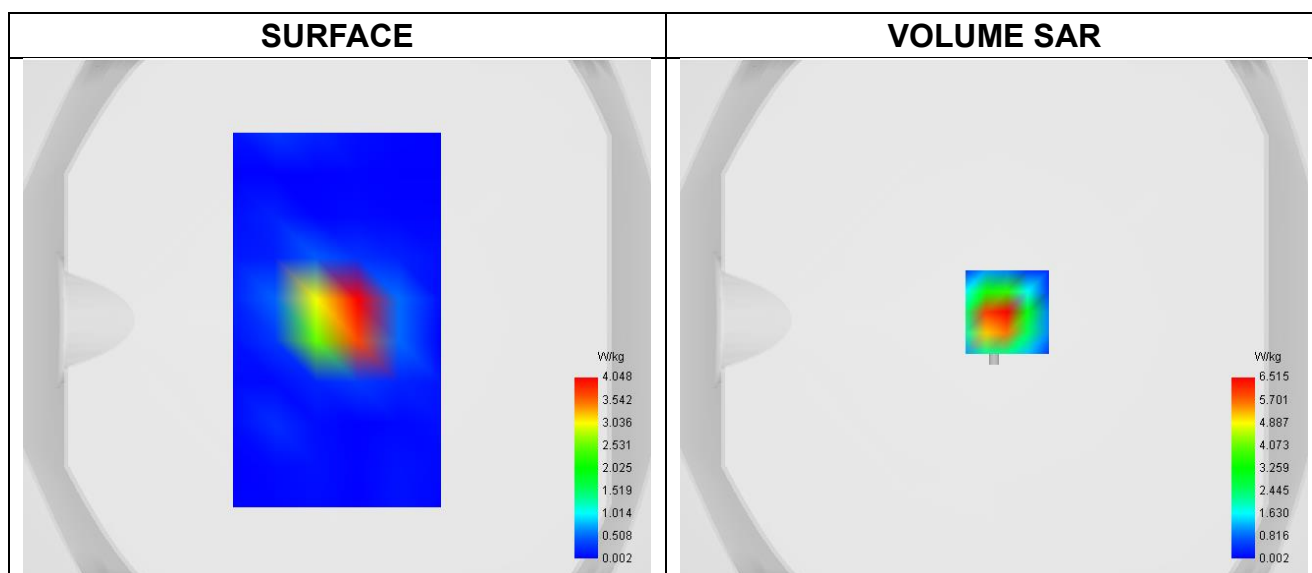
Area scan resolution: dx=4mm, dy=4mm

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

Date of measurement: 2024-08-23

Experimental conditions.

Phantom	Validation plane
Device Position	Dipole
Band	CW3700
Channels	Middle
Signal	CW
Frequency (MHz)	3700.000
Relative permittivity	39.09
Conductivity (S/m)	3.20
Probe	SN 04/22 EPGO364
ConvF	1.84
Crest factor:	1:1

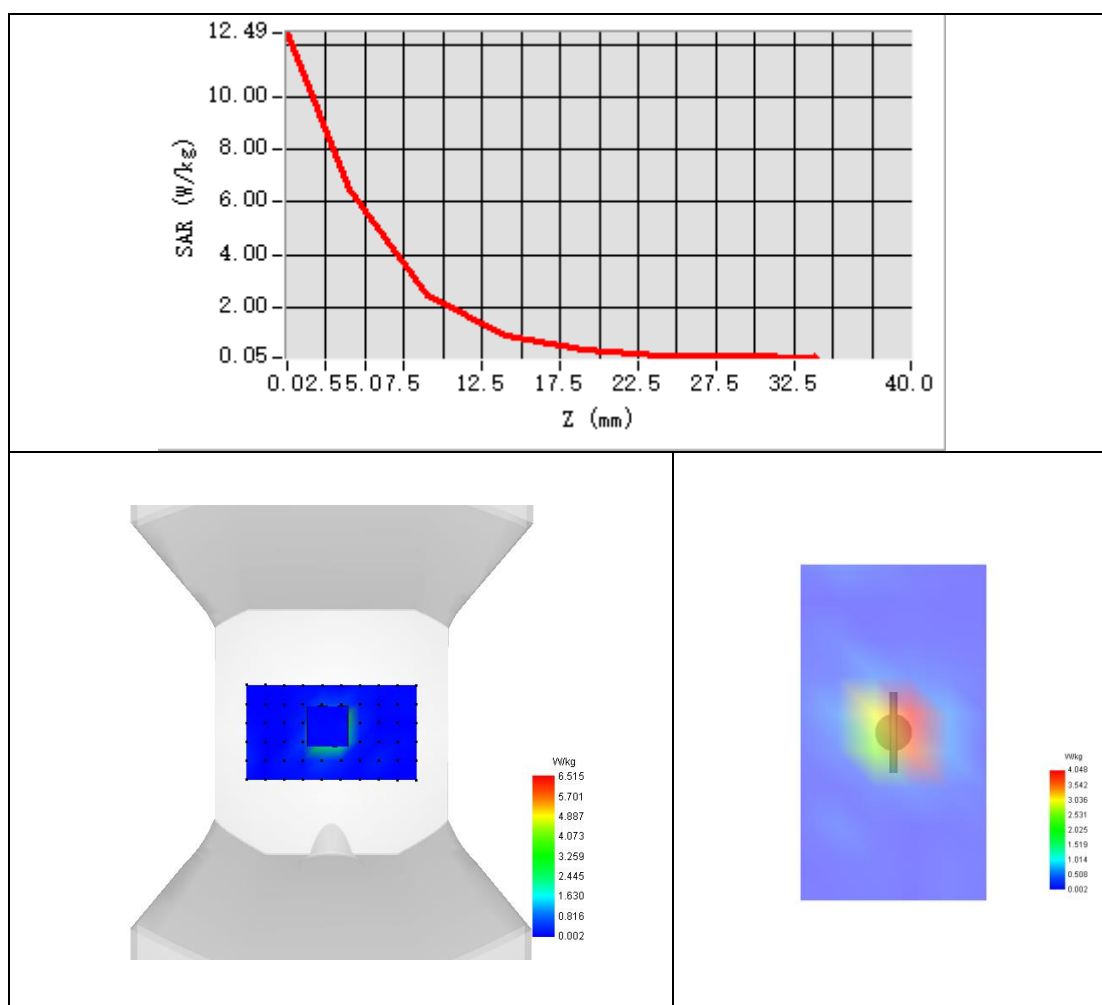


Maximum location: X=5.00, Y=3.00 ; SAR Peak: 14.04 W/kg

SAR 10g (W/Kg)	2.544
SAR 1g (W/Kg)	6.980



Z Axis Scan





System Performance Check Data (3900MHz)

Type: Phone measurement (Complete)

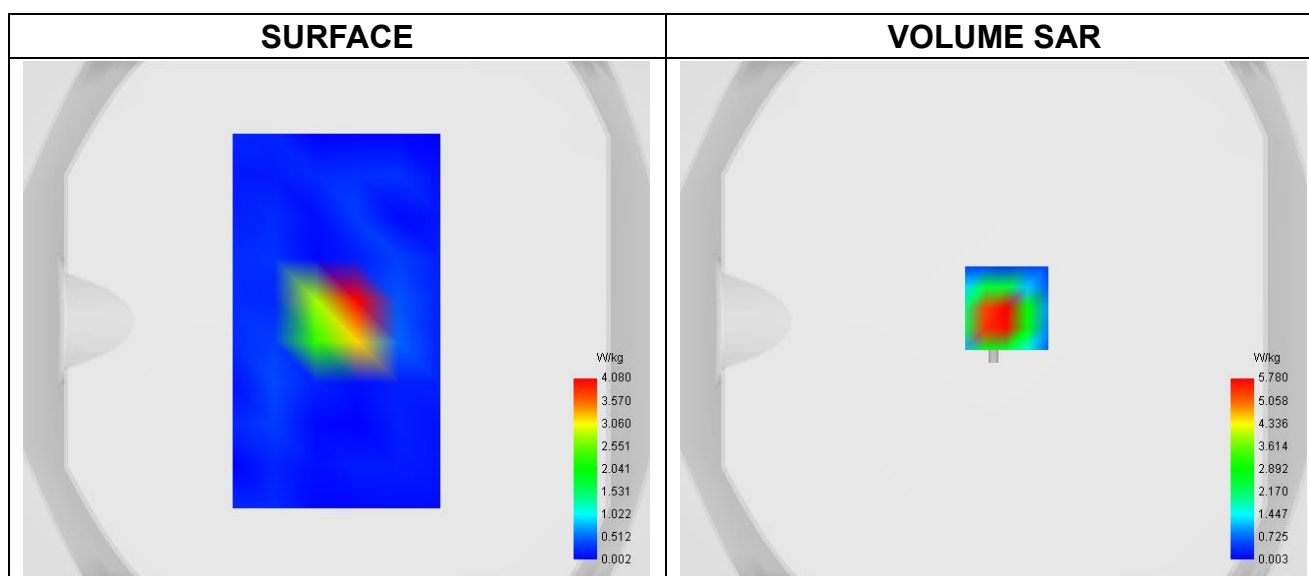
Area scan resolution: dx=4mm, dy=4mm

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

Date of measurement: 2024-08-13

Experimental conditions.

Phantom	Validation plane
Device Position	Dipole
Band	CW3900
Channels	Middle
Signal	CW
Frequency (MHz)	3900.000
Relative permittivity	38.12
Conductivity (S/m)	3.34
Probe	SN 04/22 EPG0364
ConvF	1.83
Crest factor:	1:1

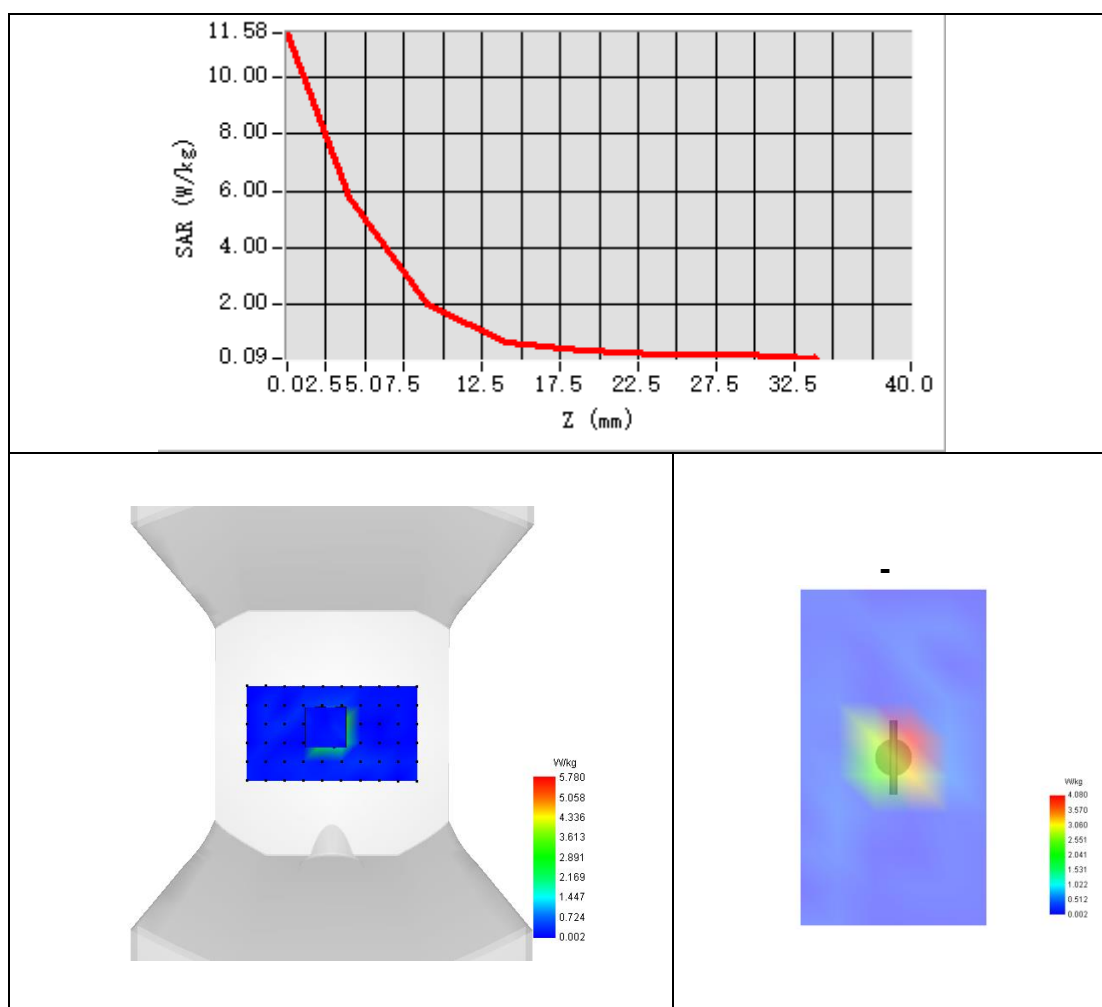


Maximum location: X=5.00, Y=0.00 ; SAR Peak: 13.90 W/kg

SAR 10g (W/Kg)	2.434
SAR 1g (W/Kg)	6.975



Z Axis Scan





System Performance Check Data (5200MHz)

Type: Phone measurement (Complete)

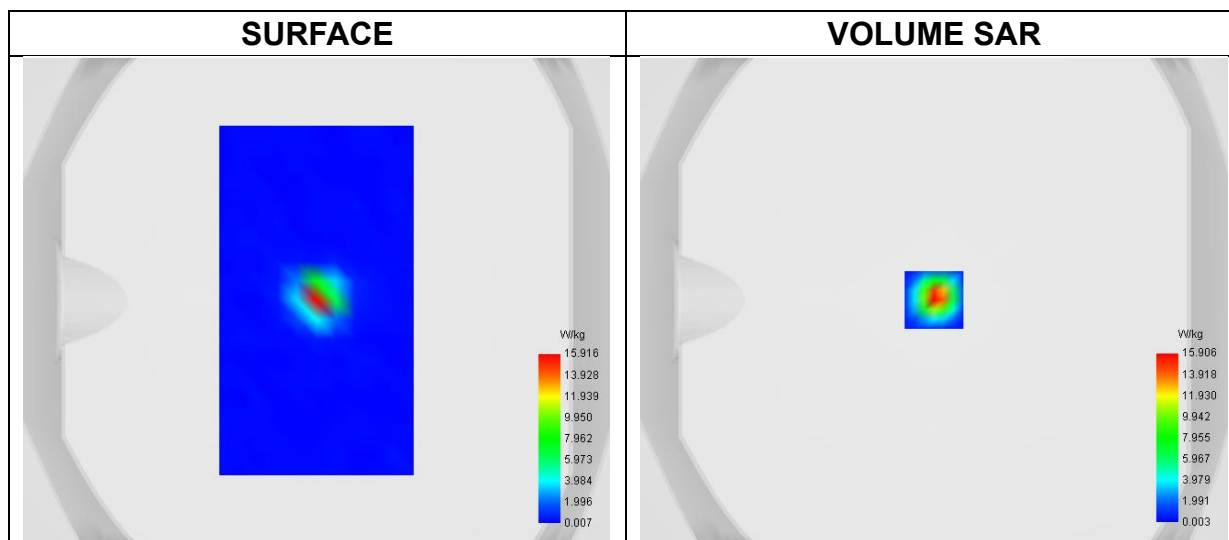
Area scan resolution: dx=4mm, dy=4mm

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

Date of measurement: 2024-08-24

Experimental conditions.

Phantom	Validation plane
Device Position	Dipole
Band	CW5200
Channels	Middle
Signal	CW
Frequency (MHz)	5200.000
Relative permittivity	36.28
Conductivity (S/m)	4.64
Probe	SN 04/22 EPGO364
ConvF	1.98
Crest factor:	1:1

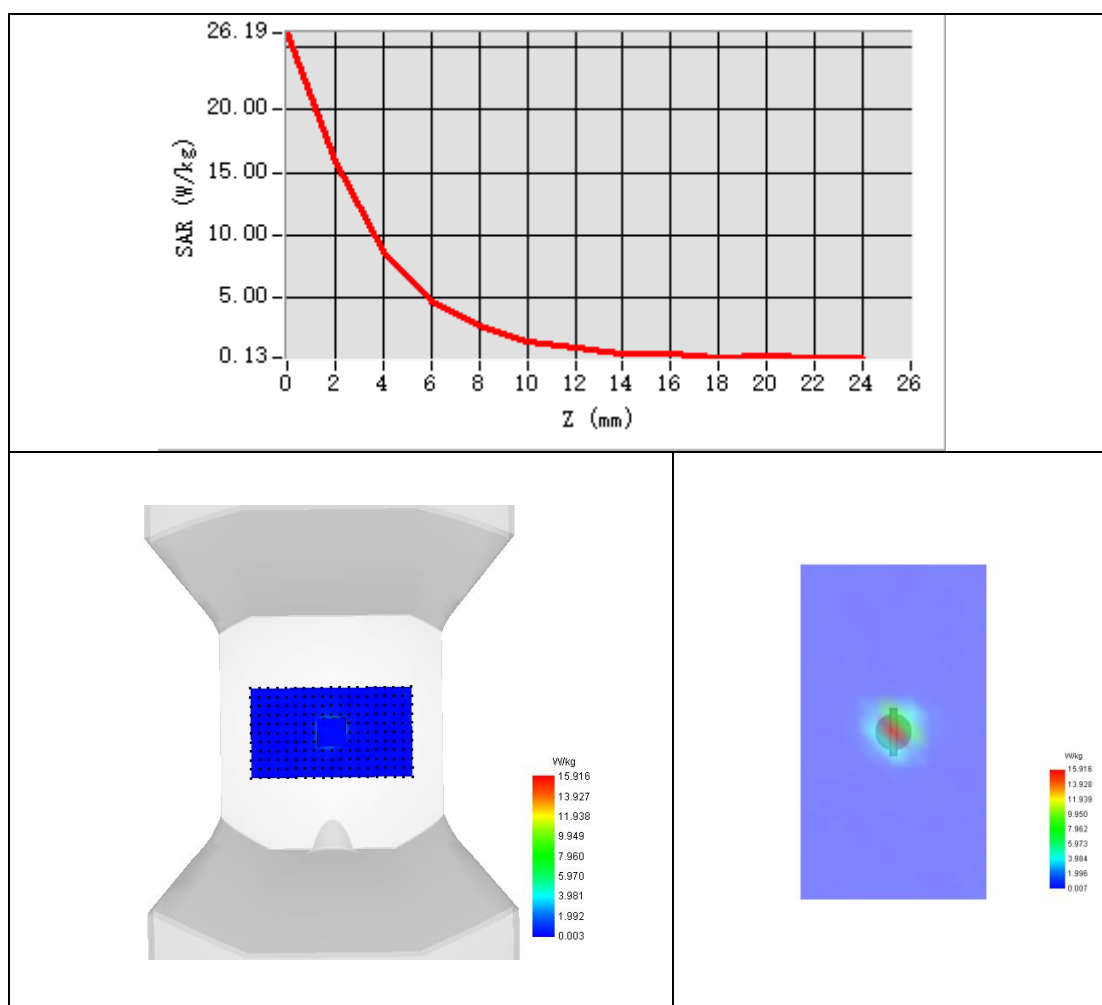


Maximum location: X=0.00, Y=0.00 ; SAR Peak: 28.31 W/kg

SAR 10g (W/Kg)	2.348
SAR 1g (W/Kg)	8.050



Z Axis Scan





System Performance Check Data (5400MHz)

Type: Phone measurement (Complete)

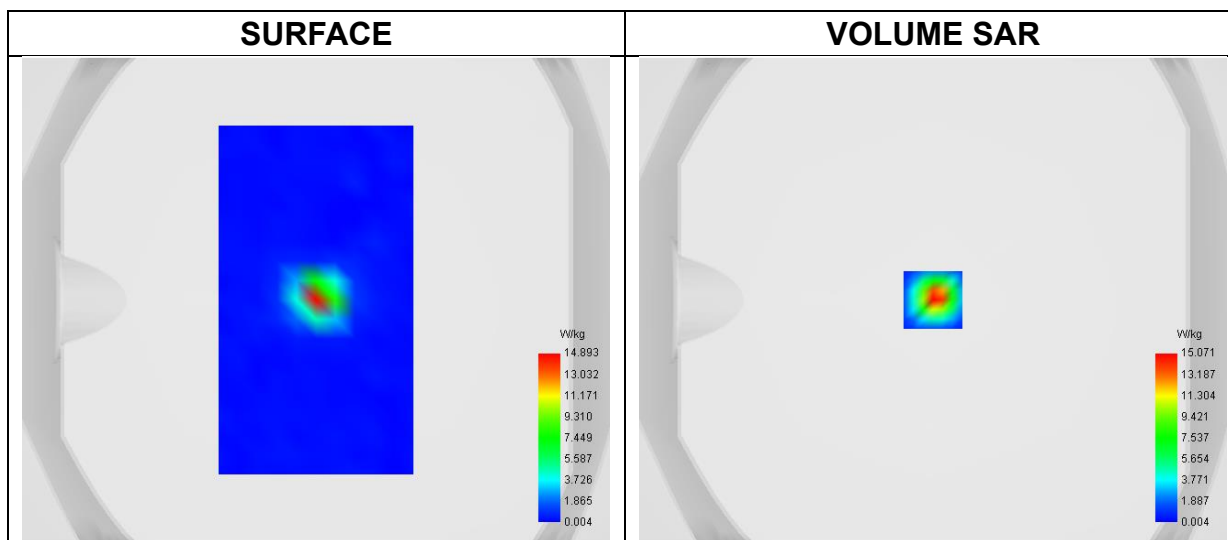
Area scan resolution: dx=4mm, dy=4mm

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

Date of measurement: 2024-08-25

Experimental conditions.

Phantom	Validation plane
Device Position	Dipole
Band	CW5400
Channels	Middle
Signal	CW
Frequency (MHz)	5400.000
Relative permittivity	36.65
Conductivity (S/m)	4.92
Probe	SN 04/22 EPG0364
ConvF	1.83
Crest factor:	1:1

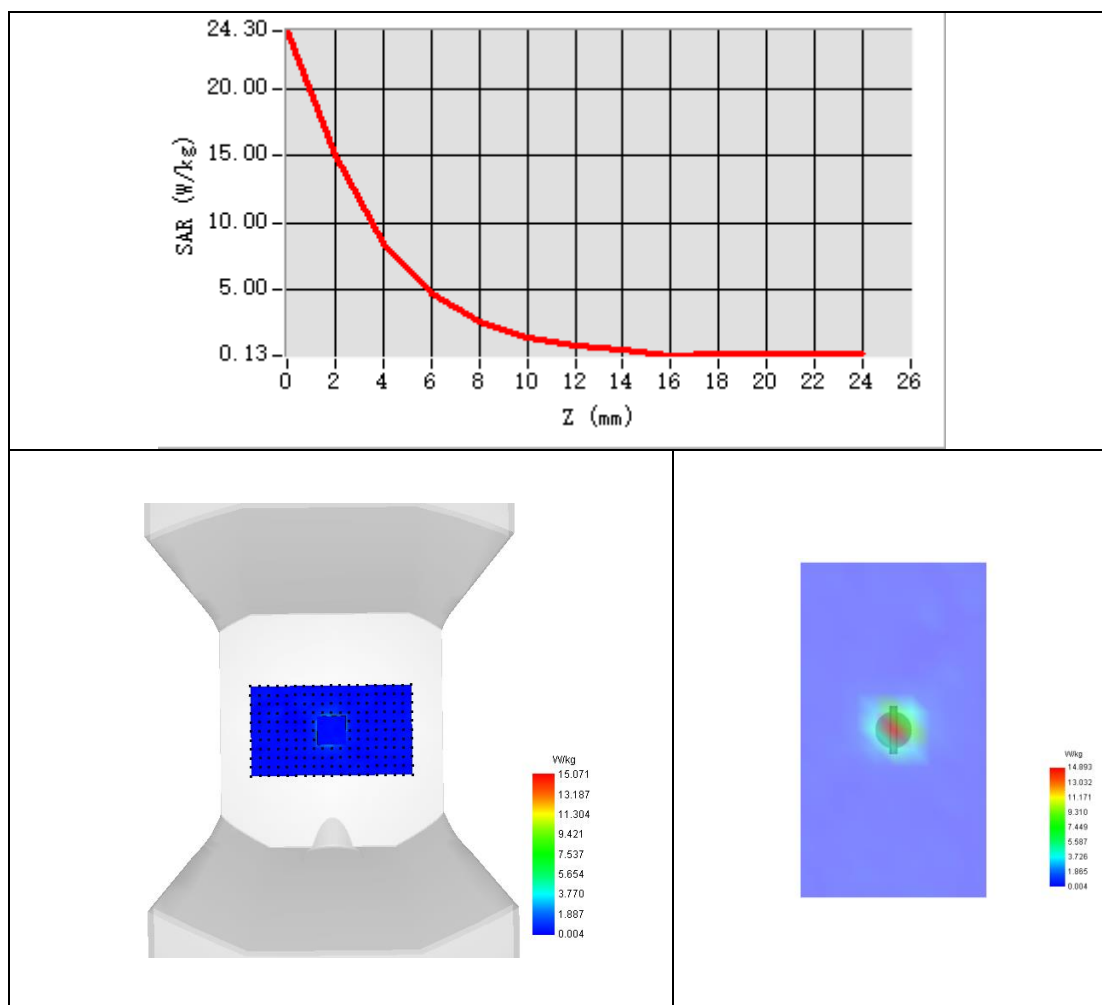


Maximum location: X=0.00, Y=0.00 ; SAR Peak: 26.27 W/kg

SAR 10g (W/Kg)	2.427
SAR 1g (W/Kg)	8.458



Z Axis Scan





System Performance Check Data (5600MHz)

Type: Phone measurement (Complete)

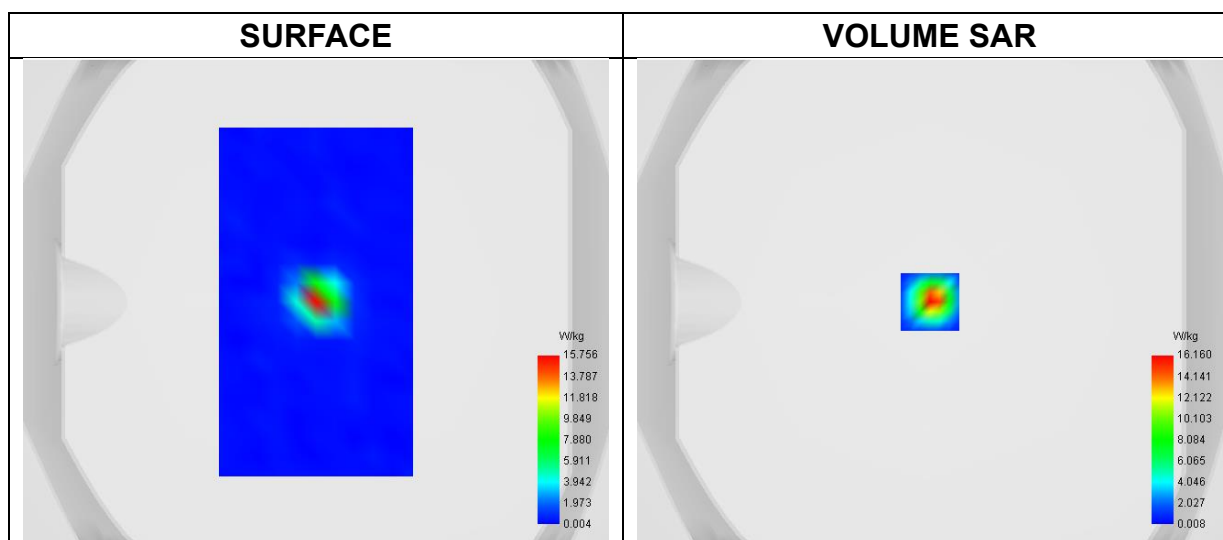
Area scan resolution: dx=4mm, dy=4mm

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

Date of measurement: 2024-08-26

Experimental conditions.

Phantom	Validation plane
Device Position	Dipole
Band	CW5600
Channels	Middle
Signal	CW
Frequency (MHz)	5600.000
Relative permittivity	35.79
Conductivity (S/m)	5.06
Probe	SN 04/22 EPGO364
ConvF	1.86
Crest factor:	1:1

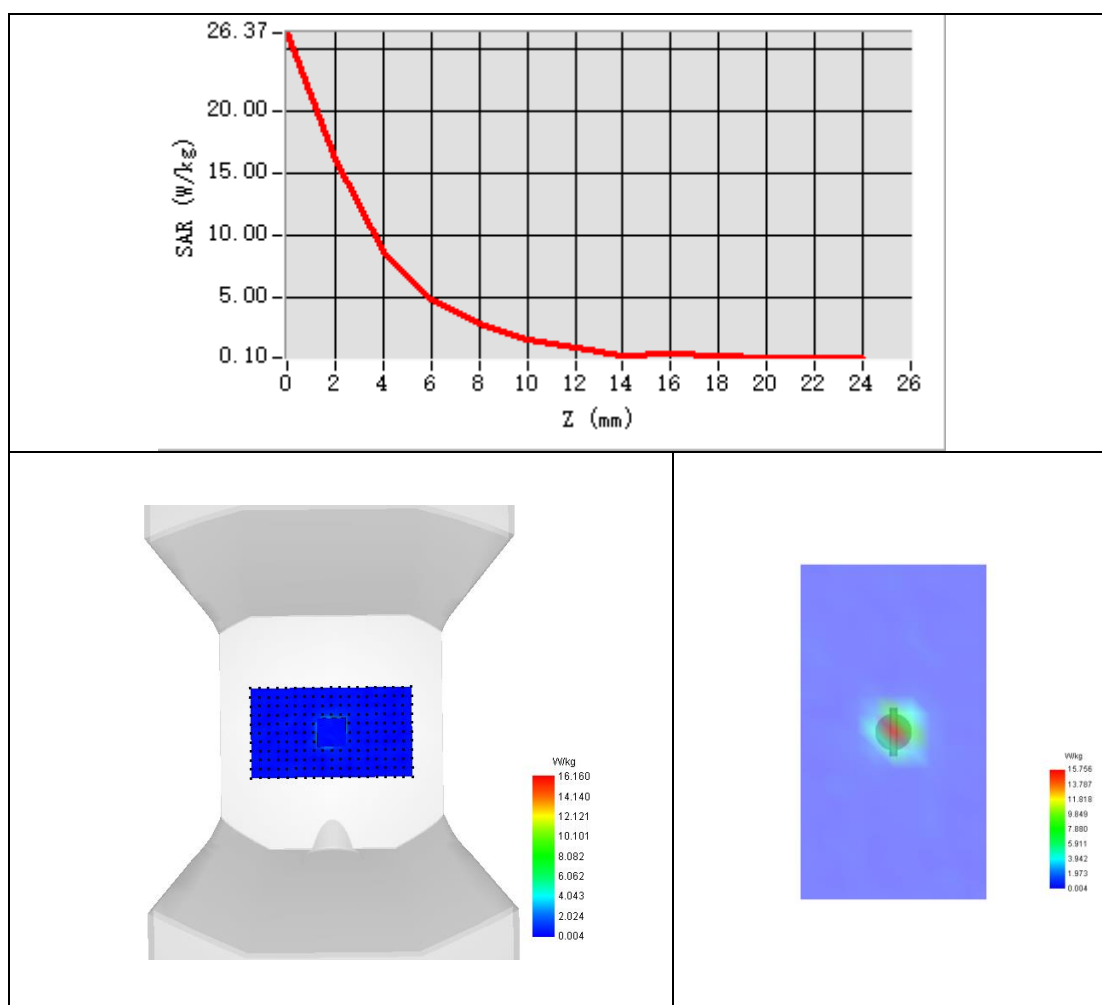


Maximum location: X=0.00, Y=0.00 ; SAR Peak: 29.37 W/kg

SAR 10g (W/Kg)	2.372
SAR 1g (W/Kg)	8.064



Z Axis Scan





System Performance Check Data (5800MHz)

Type: Phone measurement (Complete)

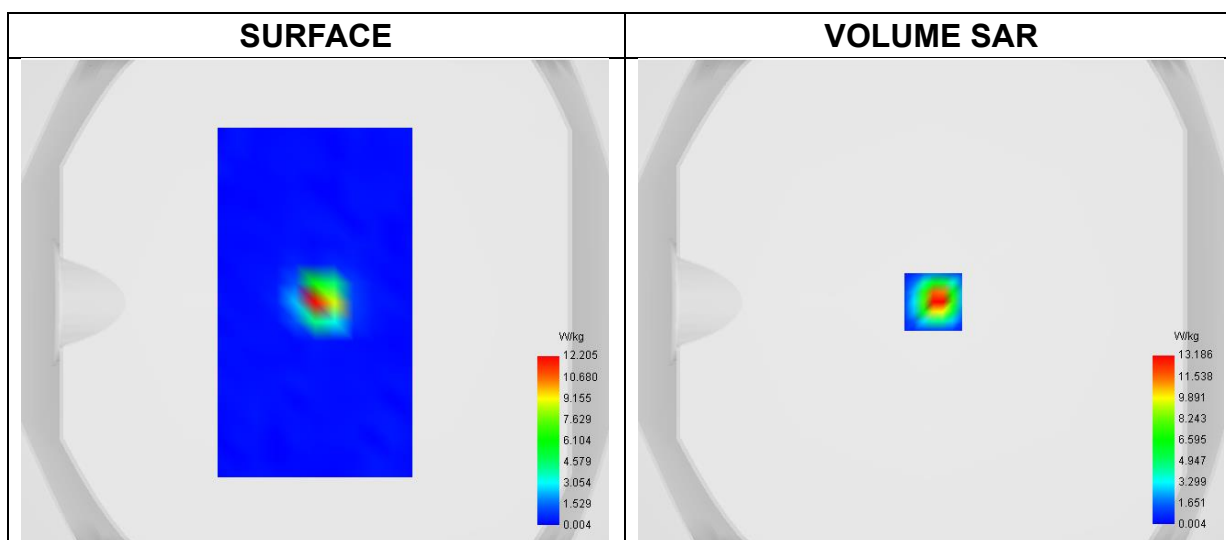
Area scan resolution: dx=4mm, dy=4mm

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

Date of measurement: 2024-08-26

Experimental conditions.

Phantom	Validation plane
Device Position	Dipole
Band	CW5800
Channels	Middle
Signal	CW
Frequency (MHz)	5800.000
Relative permittivity	36.08
Conductivity (S/m)	5.29
Probe	SN 04/22 EPGO364
ConvF	1.71
Crest factor:	1:1

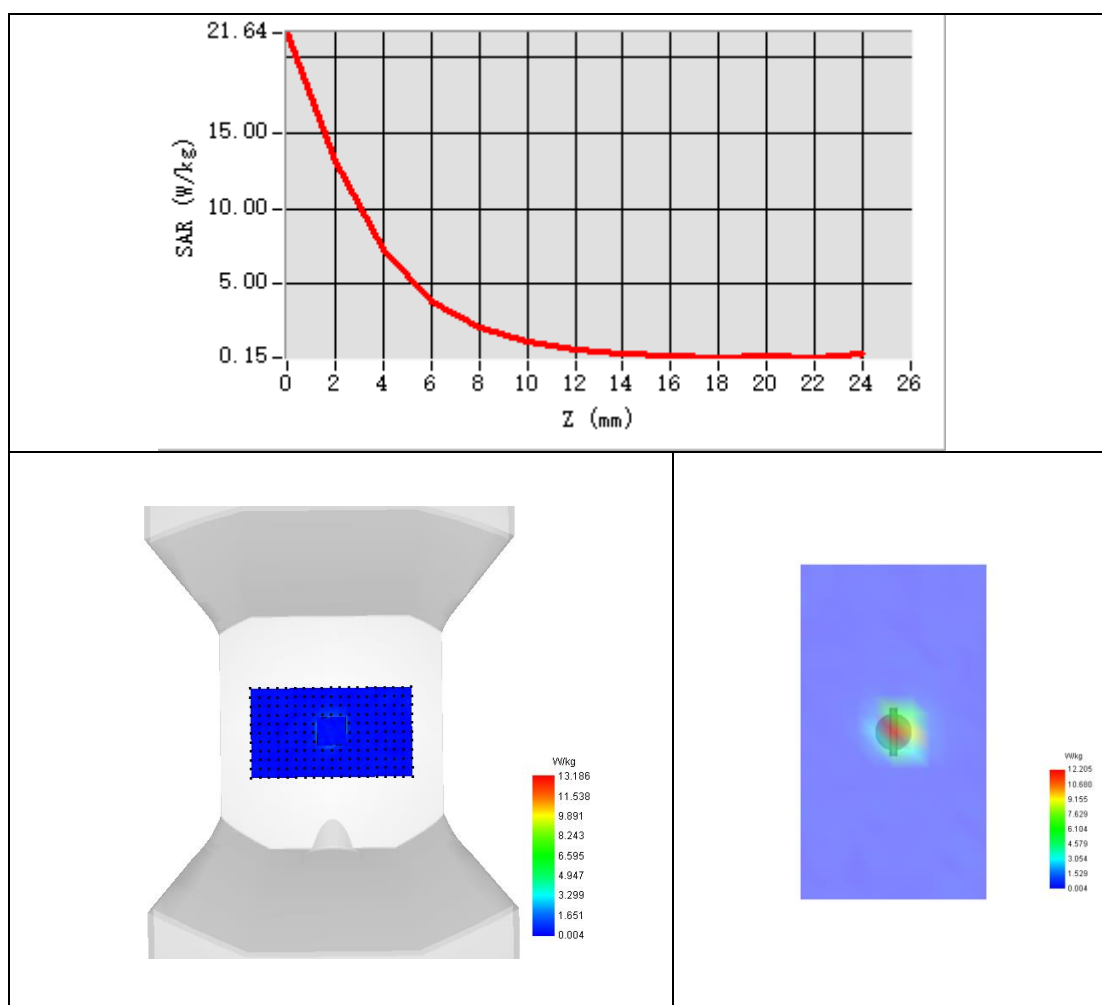


Maximum location: X=1.00, Y=0.00 ; SAR Peak: 23.53 W/kg

SAR 10g (W/Kg)	2.357
SAR 1g (W/Kg)	8.150



Z Axis Scan



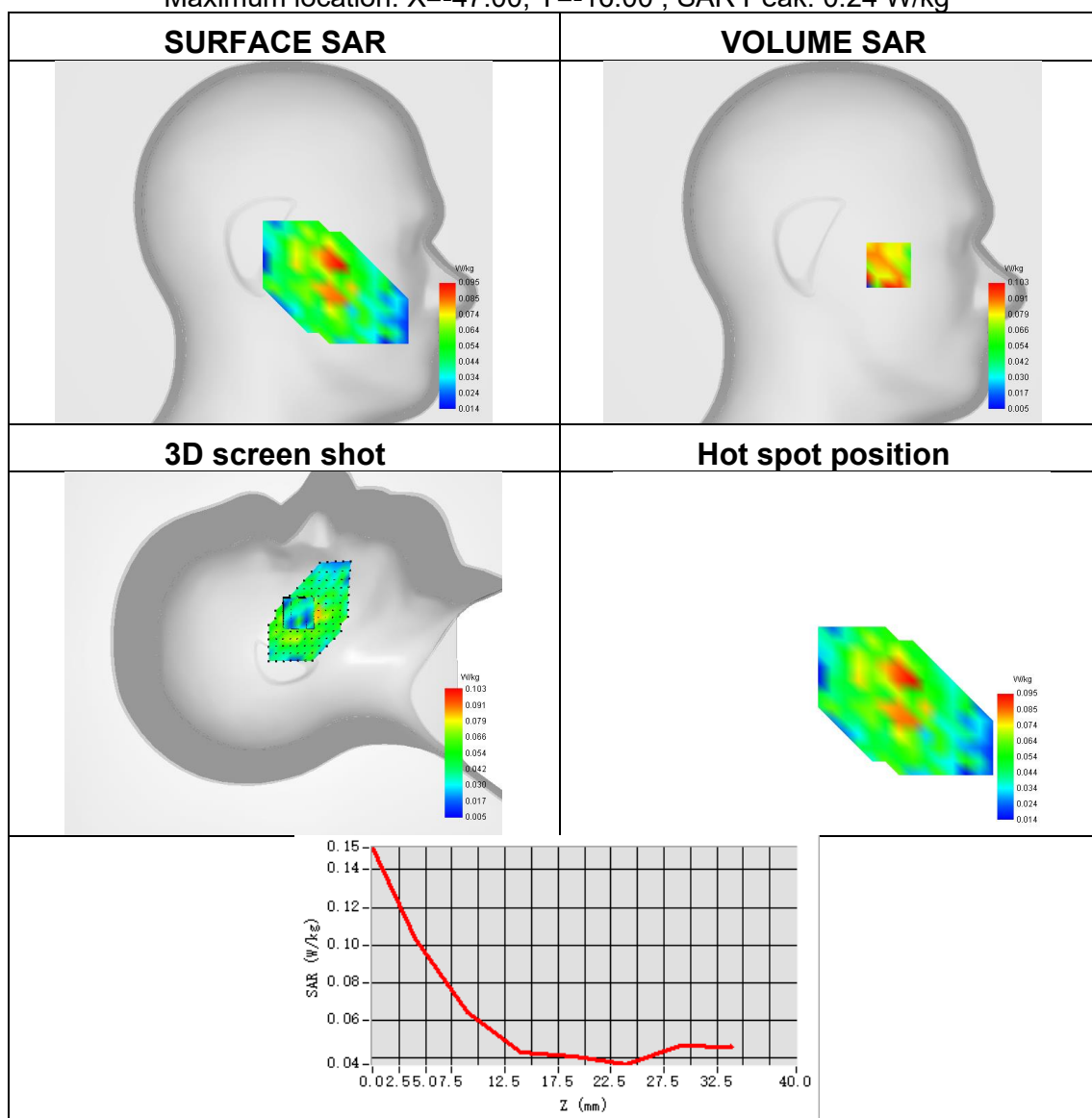


Appendix B. SAR Test Plots

Plot 1:

Test Date	2024-08-22
Area Scan	dx=8mm dy=8mm
Zoom Scan	5x5x7, dx=8mm dy=8mm dz=5mm
Phantom	Left head
Device Position	Cheek
Band	GSM850
Signal	TDMA (GSM)
Frequency	848.8
SAR 10g (W/Kg)	0.057
SAR 1g (W/Kg)	0.098
ConvF	1.70
Relative permittivity	40.89
Conductivity (S/m)	1.42

Maximum location: X=-47.00, Y=-16.00 ; SAR Peak: 0.24 W/kg

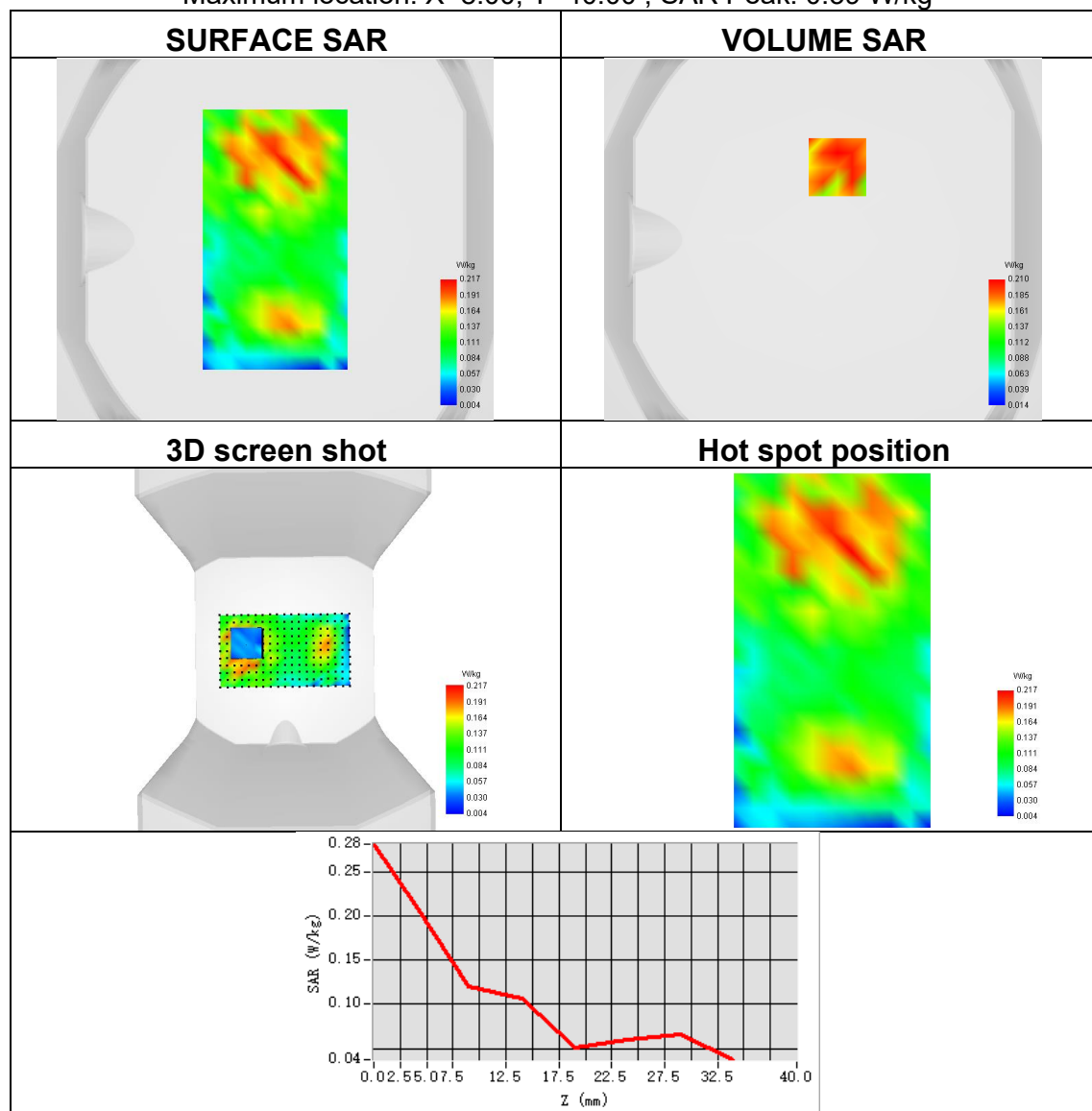




Plot 2:

Test Date	2024-08-22
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)	0.117
SAR 1g (W/Kg)	0.205
ConvF	1.70
Relative permittivity	40.89
Conductivity (S/m)	1.42

Maximum location: X=8.00, Y=40.00 ; SAR Peak: 0.39 W/kg

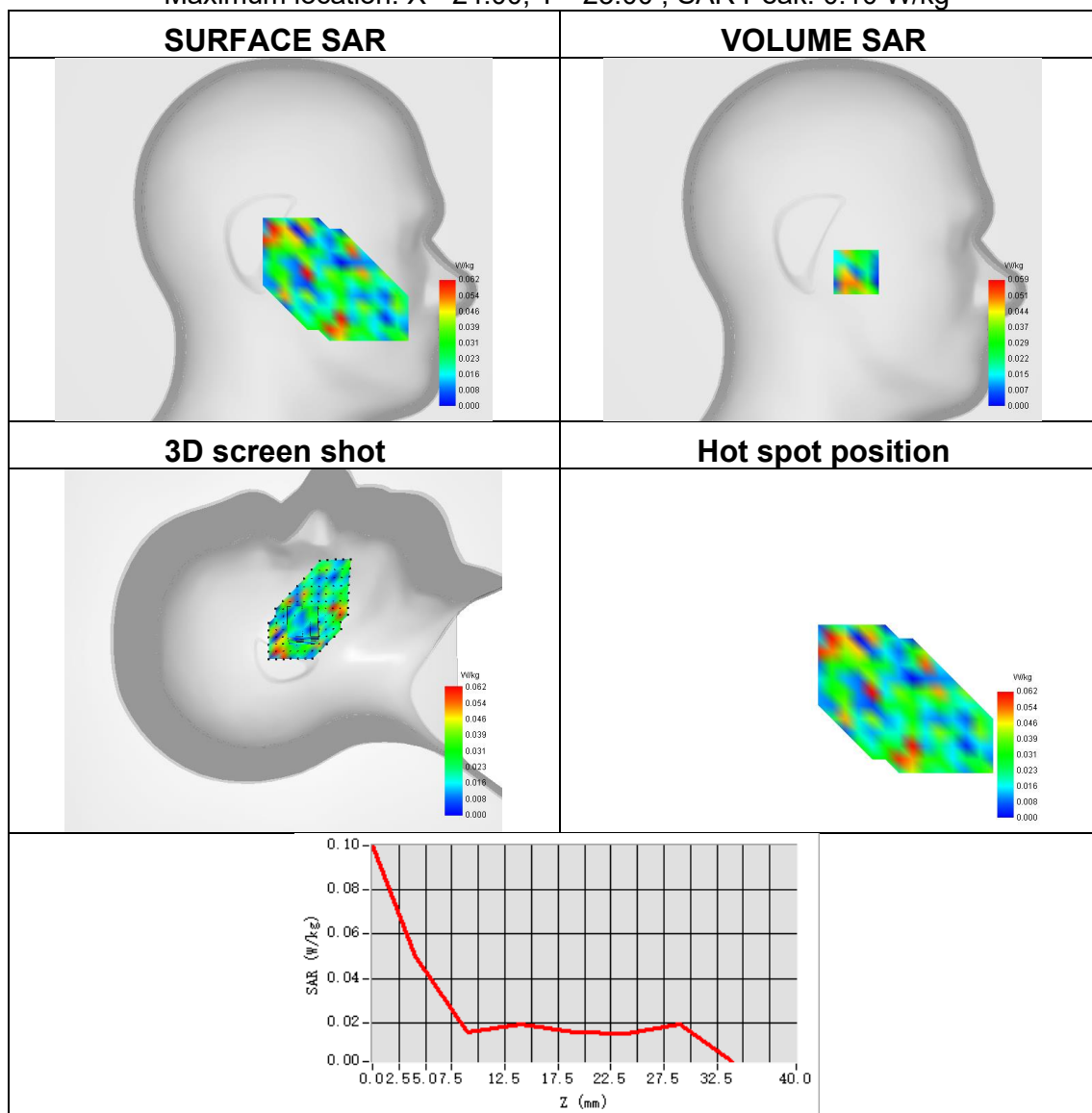




Plot 3:

Test Date	2024-08-03
Area Scan	dx=8mm dy=8mm
Zoom Scan	5x5x7,dx=8mm dy=8mm dz=5mm
Phantom	Left head
Device Position	Cheek
Band	GSM1900
Signal	TDMA (GSM)
Frequency	1880
SAR 10g (W/Kg)	0.022
SAR 1g (W/Kg)	0.043
ConvF	2.24
Relative permittivity	40.78
Conductivity (S/m)	1.34

Maximum location: X=-24.00, Y=-23.00 ; SAR Peak: 0.10 W/kg

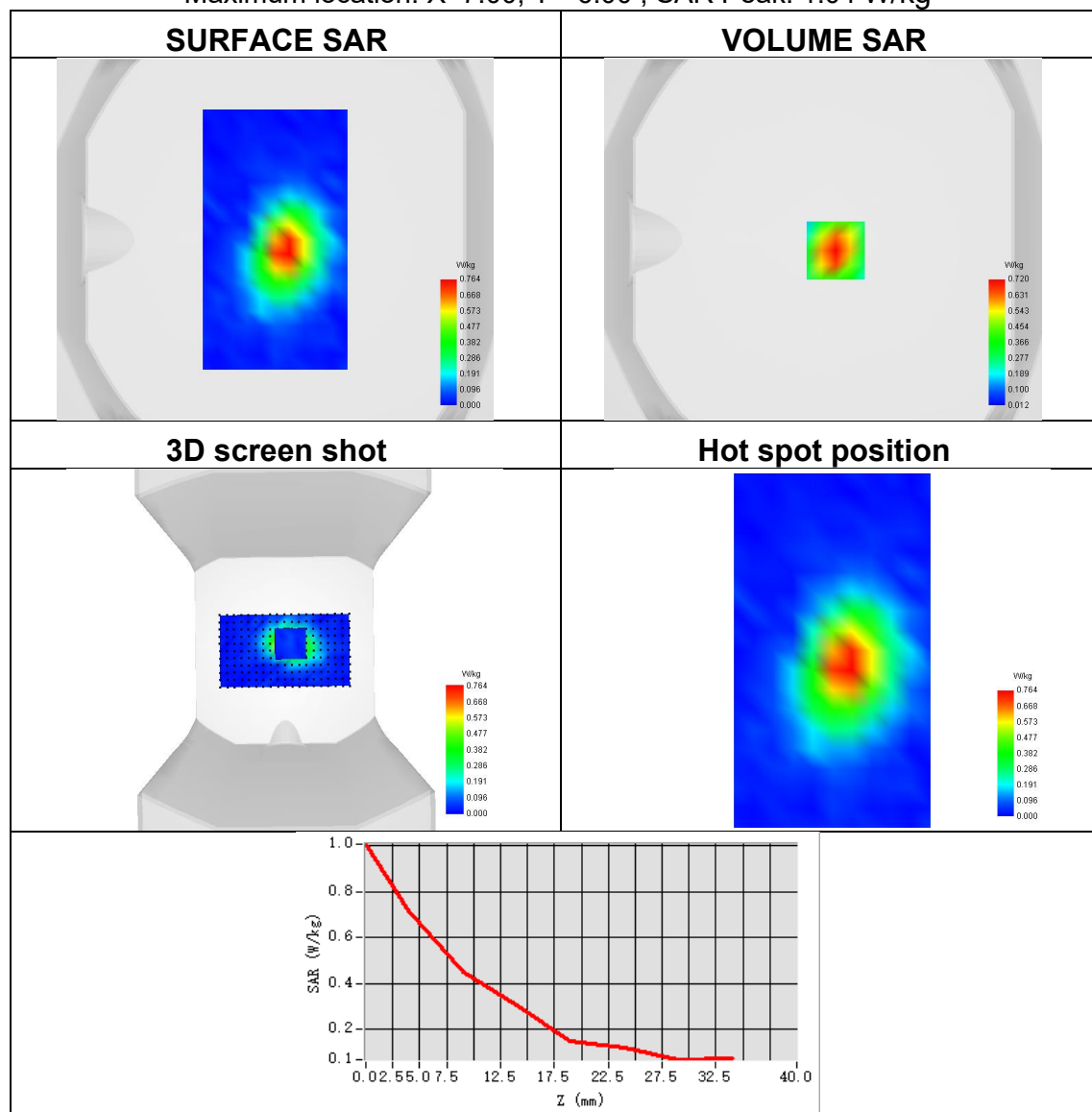




Plot 4:

Test Date	2024-08-03
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)	0.375
SAR 1g (W/Kg)	0.677
ConvF	2.24
Relative permittivity	40.78
Conductivity (S/m)	1.34

Maximum location: X=7.00, Y=-6.00 ; SAR Peak: 1.04 W/kg

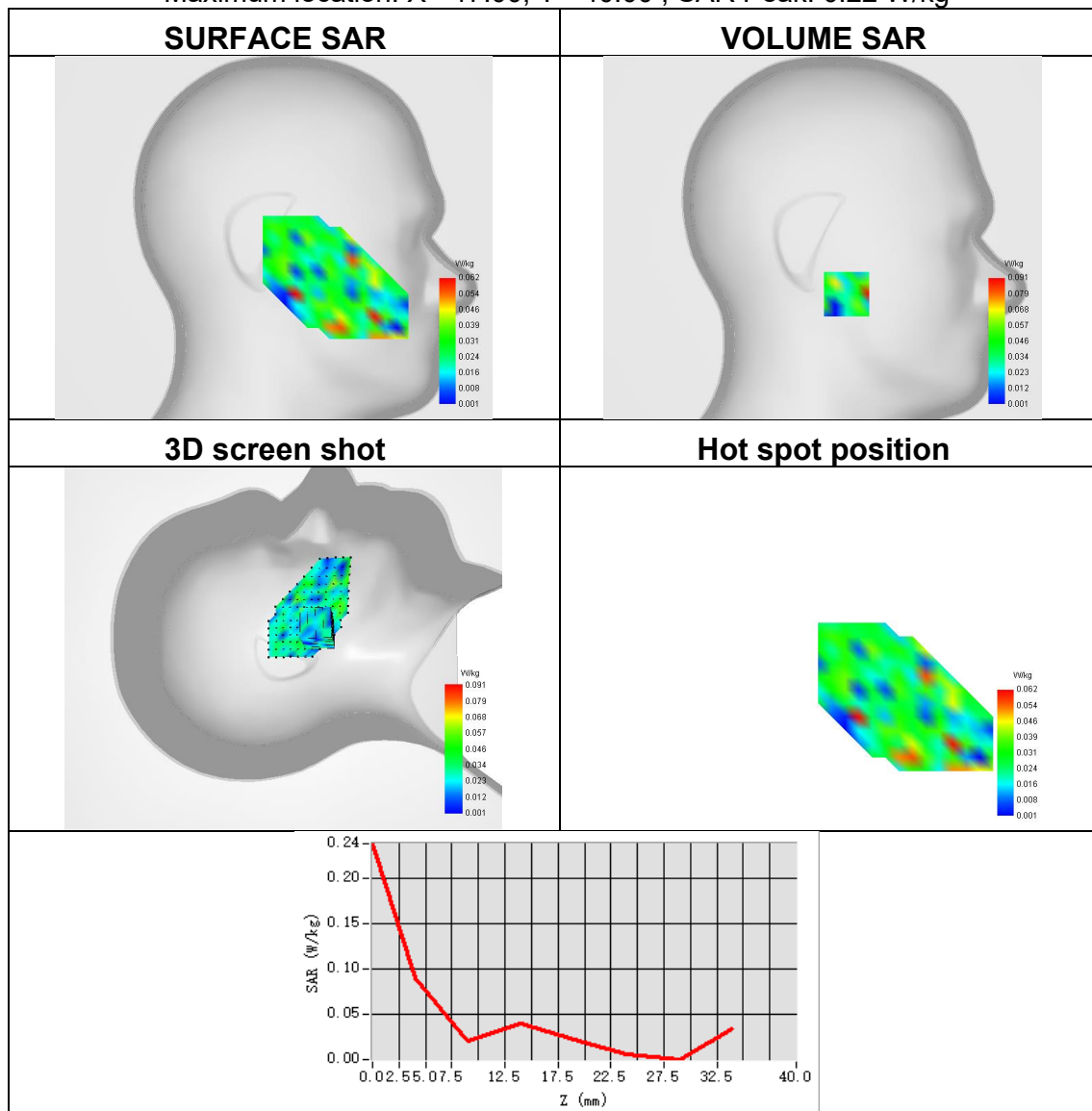




Plot 5:

Test Date	2024-08-03
Area Scan	dx=8mm dy=8mm
Zoom Scan	5x5x7,dx=8mm dy=8mm dz=5mm
Phantom	Left head
Device Position	Cheek
Band	Band 2 (1900)
Signal	WCDMA
Frequency	1880
SAR 10g (W/Kg)	0.026
SAR 1g (W/Kg)	0.064
ConvF	2.24
Relative permittivity	40.78
Conductivity (S/m)	1.34

Maximum location: X=-17.00, Y=-40.00 ; SAR Peak: 0.22 W/kg

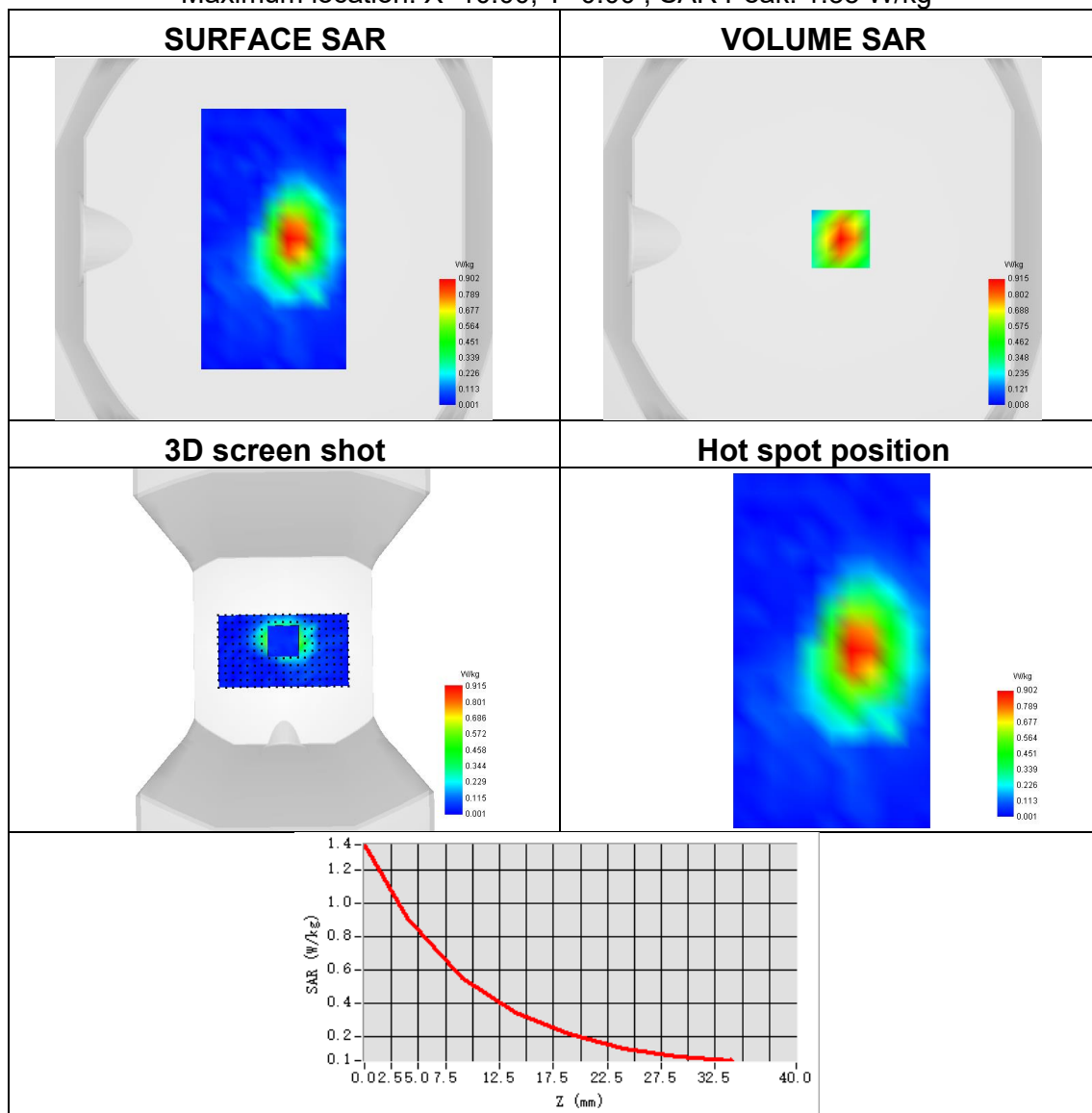




Plot 6:

Test Date	2024-08-03
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)	0.468
SAR 1g (W/Kg)	0.854
ConvF	2.24
Relative permittivity	40.78
Conductivity (S/m)	1.34

Maximum location: X=10.00, Y=0.00 ; SAR Peak: 1.35 W/kg

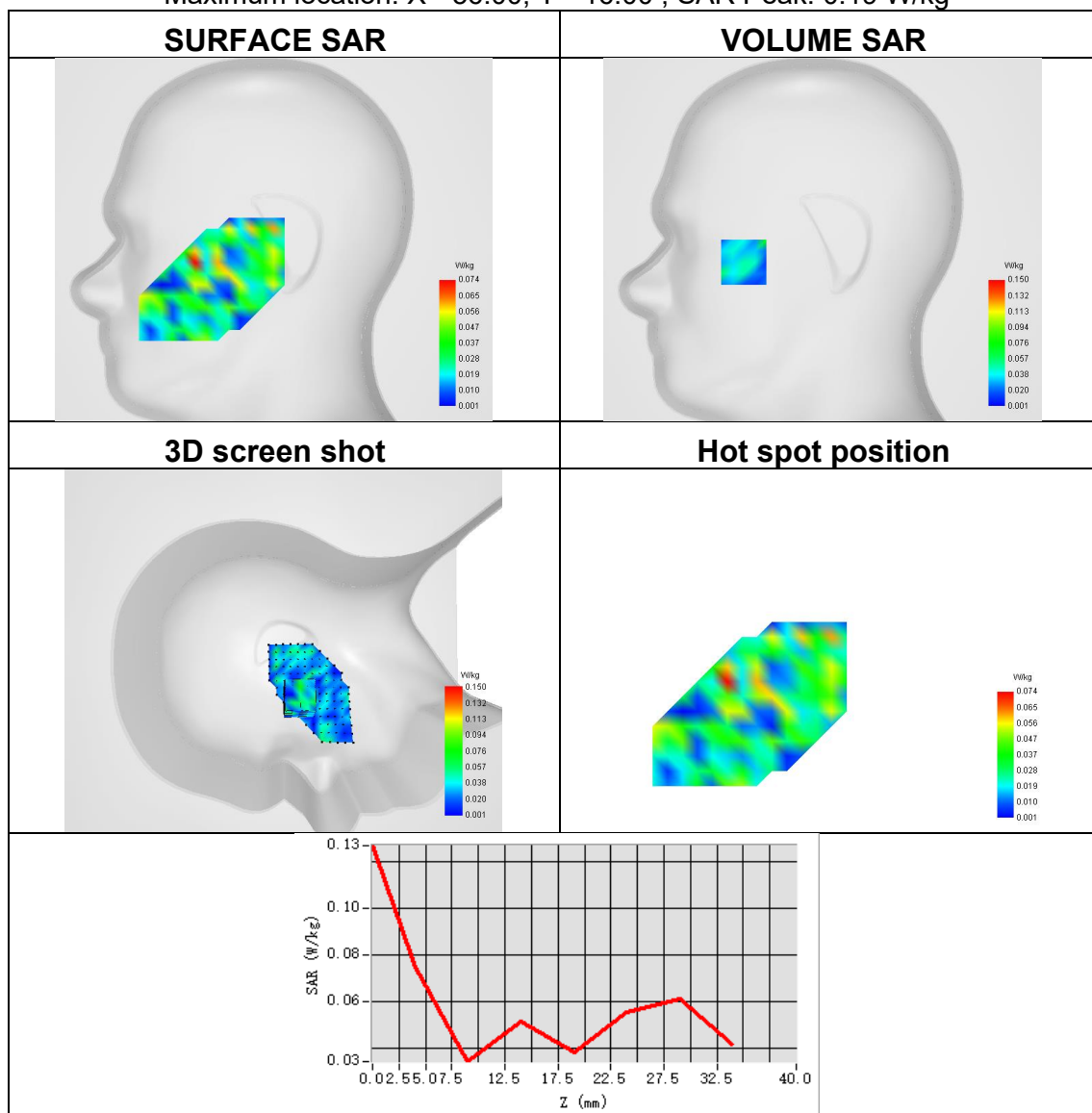




Plot 7:

Test Date	2024-08-22
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)	0.063
SAR 1g (W/Kg)	0.100
ConvF	1.91
Relative permittivity	40.89
Conductivity (S/m)	1.42

Maximum location: X=-56.00, Y=-16.00 ; SAR Peak: 0.19 W/kg

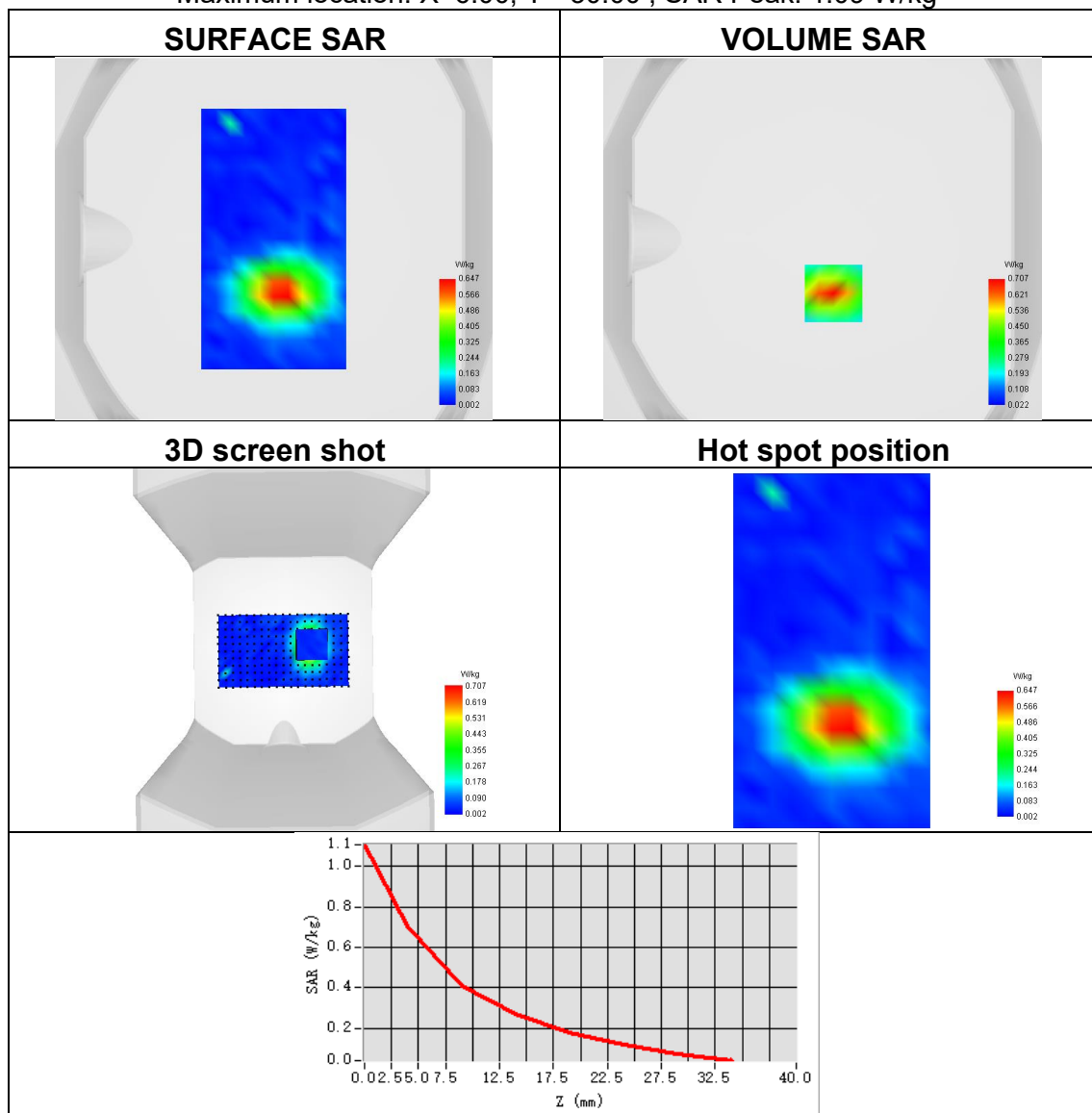




Plot 8:

Test Date	2024-08-22
Area Scan	dx=8mm dy=8mm
Zoom Scan	5x5x7,dx=8mm dy=8mm dz=5mm
Phantom	Validation plane
Device Position	Back Side
Band	Band 4 (1700)
Signal	WCDMA
Frequency	1712.6
SAR 10g (W/Kg)	0.349
SAR 1g (W/Kg)	0.643
ConvF	1.91
Relative permittivity	40.89
Conductivity (S/m)	1.42

Maximum location: X=6.00, Y=-30.00 ; SAR Peak: 1.09 W/kg

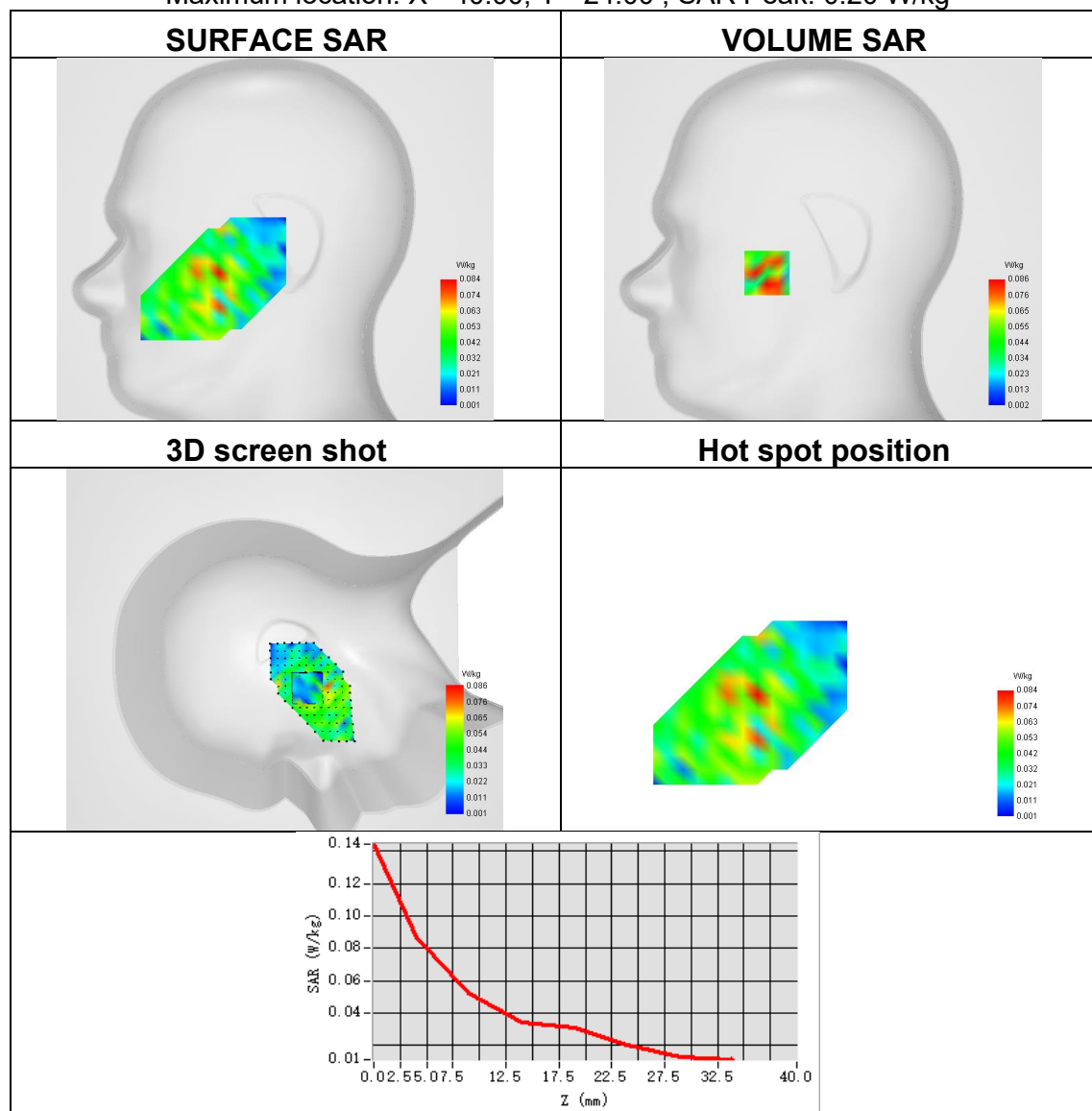




Plot 9:

Test Date	2024-08-06
Area Scan	dx=8mm dy=8mm
Zoom Scan	5x5x7,dx=8mm dy=8mm dz=5mm
Phantom	Right head
Device Position	Cheek
Band	Band 5 (850)
Signal	WCDMA
Frequency	846.6
SAR 10g (W/Kg)	0.034
SAR 1g (W/Kg)	0.089
ConvF	1.70
Relative permittivity	41.13
Conductivity (S/m)	0.93

Maximum location: X=-40.00, Y=-24.00 ; SAR Peak: 0.20 W/kg

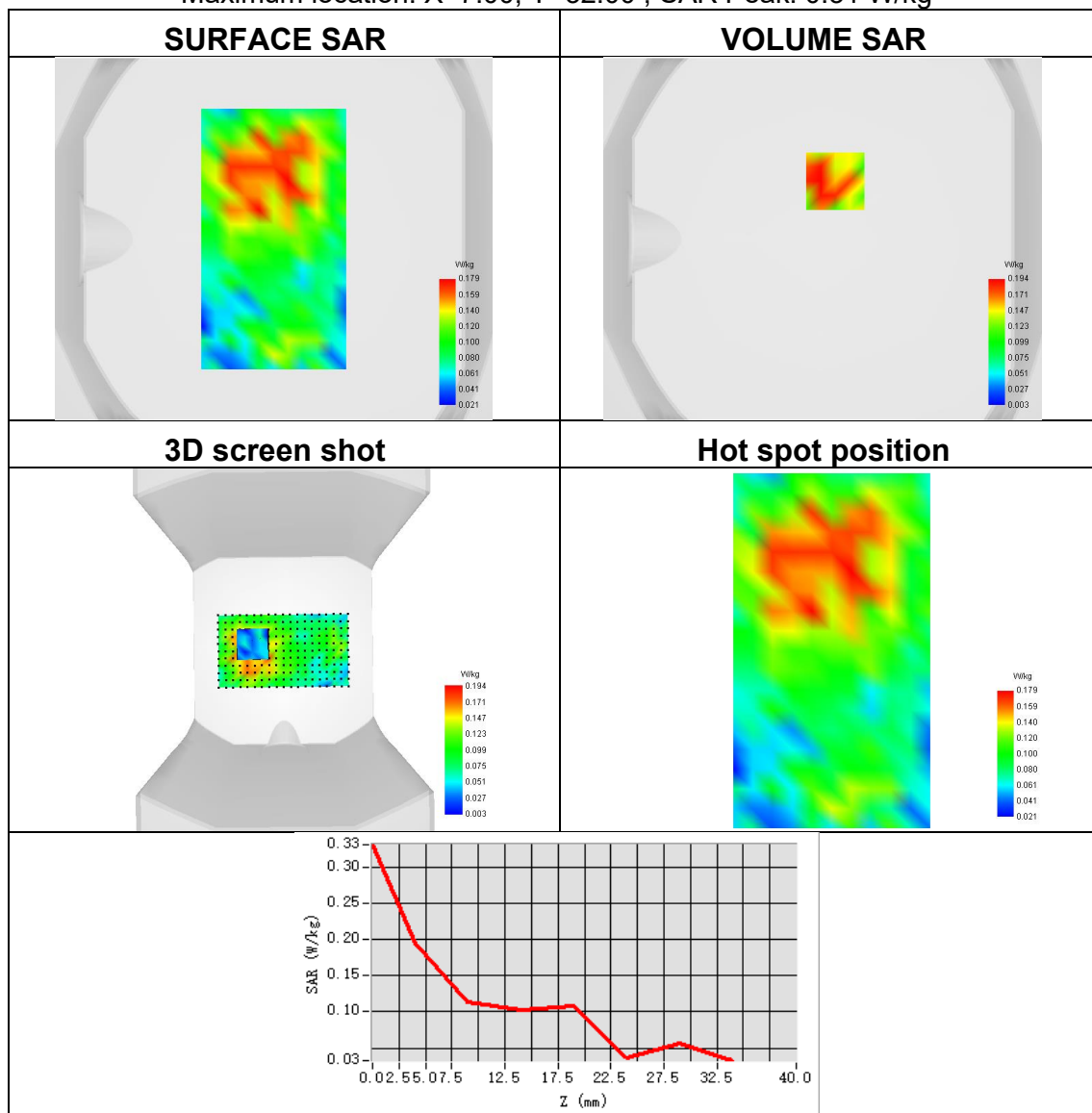




Plot 10:

Test Date	2024-08-06
Area Scan	dx=8mm dy=8mm
Zoom Scan	5x5x7,dx=8mm dy=8mm dz=5mm
Phantom	Validation plane
Device Position	Back Side
Band	Band 5 (850)
Signal	WCDMA
Frequency	846.6
SAR 10g (W/Kg)	0.115
SAR 1g (W/Kg)	0.183
ConvF	1.70
Relative permittivity	41.13
Conductivity (S/m)	0.93

Maximum location: X=7.00, Y=32.00 ; SAR Peak: 0.31 W/kg

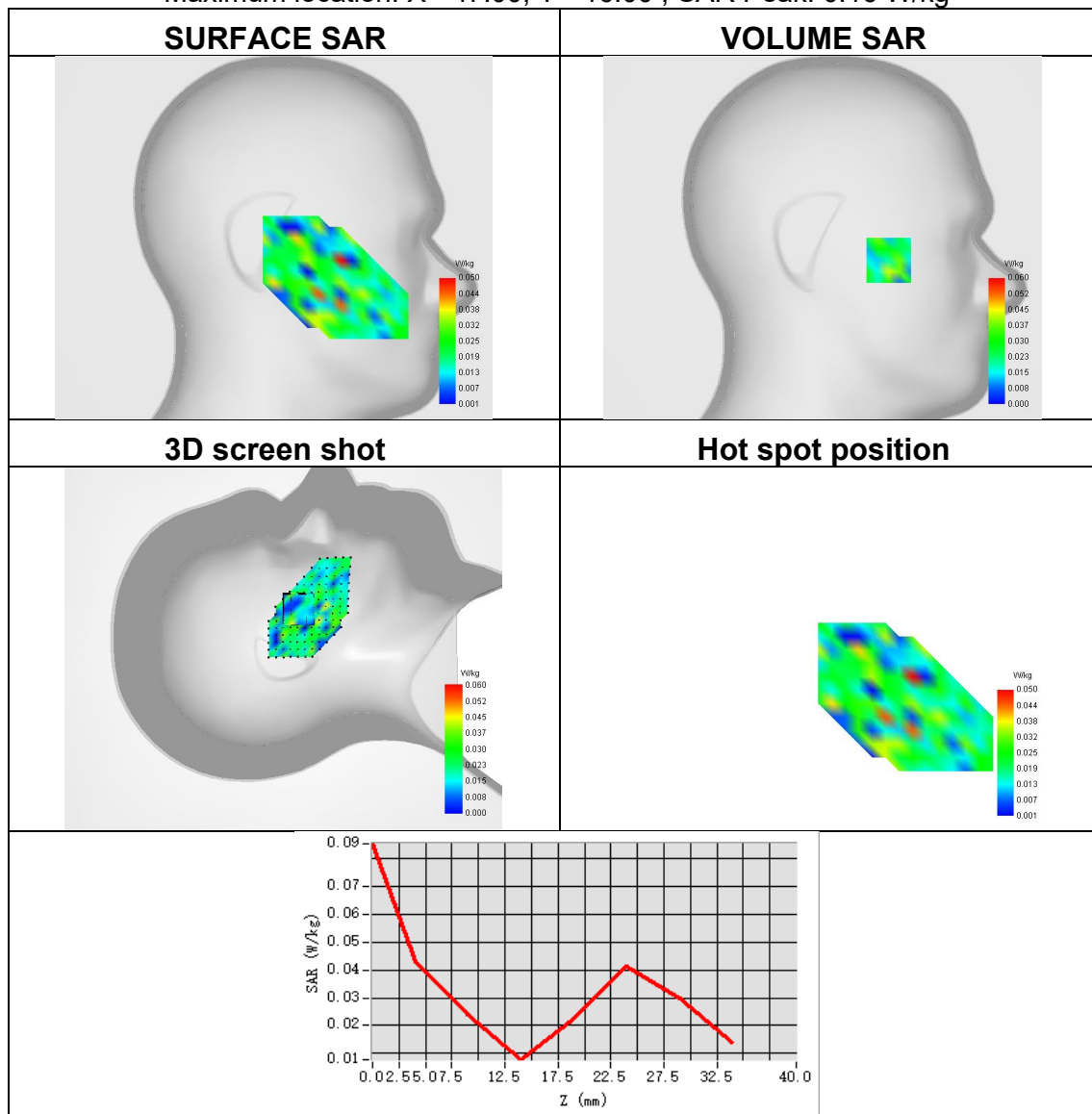




Plot 11:

Test Date	2024-08-06
Area Scan	dx=8mm dy=8mm
Zoom Scan	5x5x7,dx=8mm dy=8mm dz=5mm
Phantom	Left head
Device Position	Cheek
Band	BC0 (US Cellular)
Signal	CDMA (CDMA2000)
Frequency	824.7
SAR 10g (W/Kg)	0.021
SAR 1g (W/Kg)	0.054
ConvF	1.70
Relative permittivity	41.13
Conductivity (S/m)	0.93

Maximum location: X=-47.00, Y=-16.00 ; SAR Peak: 0.16 W/kg

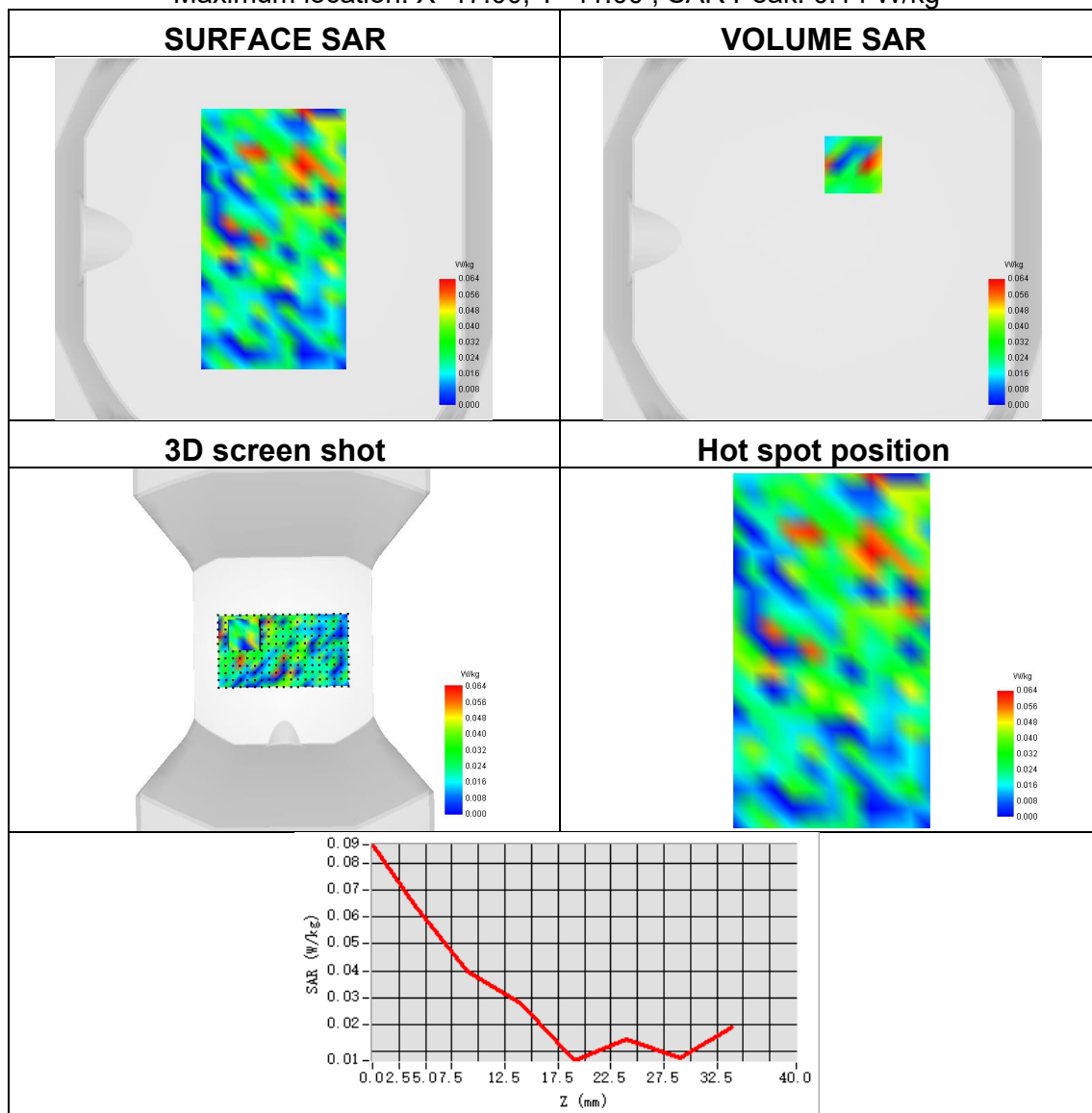




Plot 12:

Test Date	2024-08-06
Area Scan	dx=8mm dy=8mm
Zoom Scan	5x5x7,dx=8mm dy=8mm dz=5mm
Phantom	Validation plane
Device Position	Back Side
Band	BC0 (US Cellular)
Signal	CDMA (CDMA2000)
Frequency	824.7
SAR 10g (W/Kg)	0.030
SAR 1g (W/Kg)	0.065
ConvF	1.70
Relative permittivity	41.13
Conductivity (S/m)	0.93

Maximum location: X=17.00, Y=41.00 ; SAR Peak: 0.14 W/kg

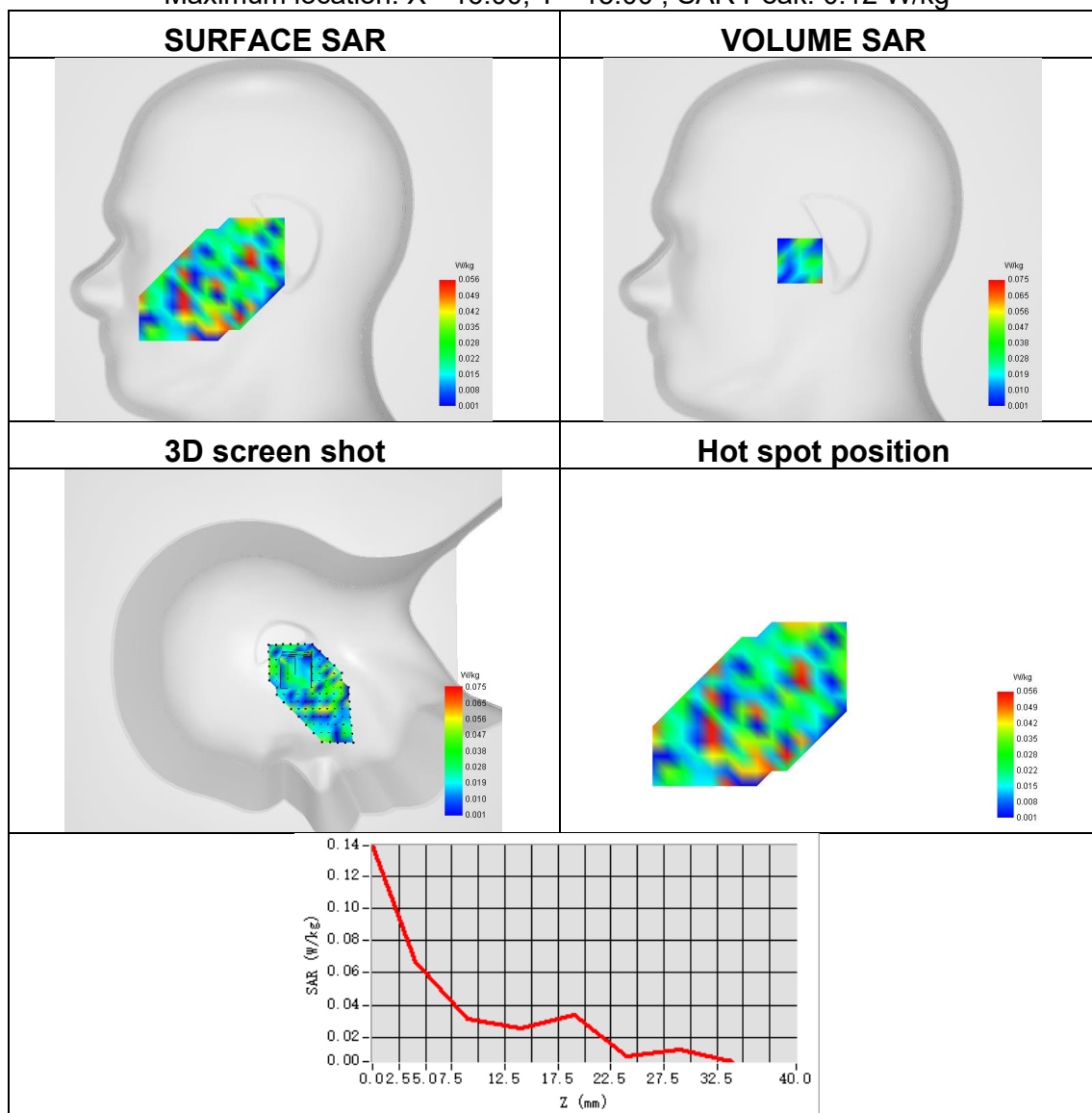




Plot 13:

Test Date	2024-08-03
Area Scan	dx=8mm dy=8mm
Zoom Scan	5x5x7,dx=8mm dy=8mm dz=5mm
Phantom	Right head
Device Position	Cheek
Band	BC1 (North American PCS)
Signal	CDMA (CDMA2000)
Frequency	1851.25
SAR 10g (W/Kg)	0.015
SAR 1g (W/Kg)	0.035
ConvF	2.24
Relative permittivity	40.78
Conductivity (S/m)	1.34

Maximum location: X=-16.00, Y=-15.00 ; SAR Peak: 0.12 W/kg

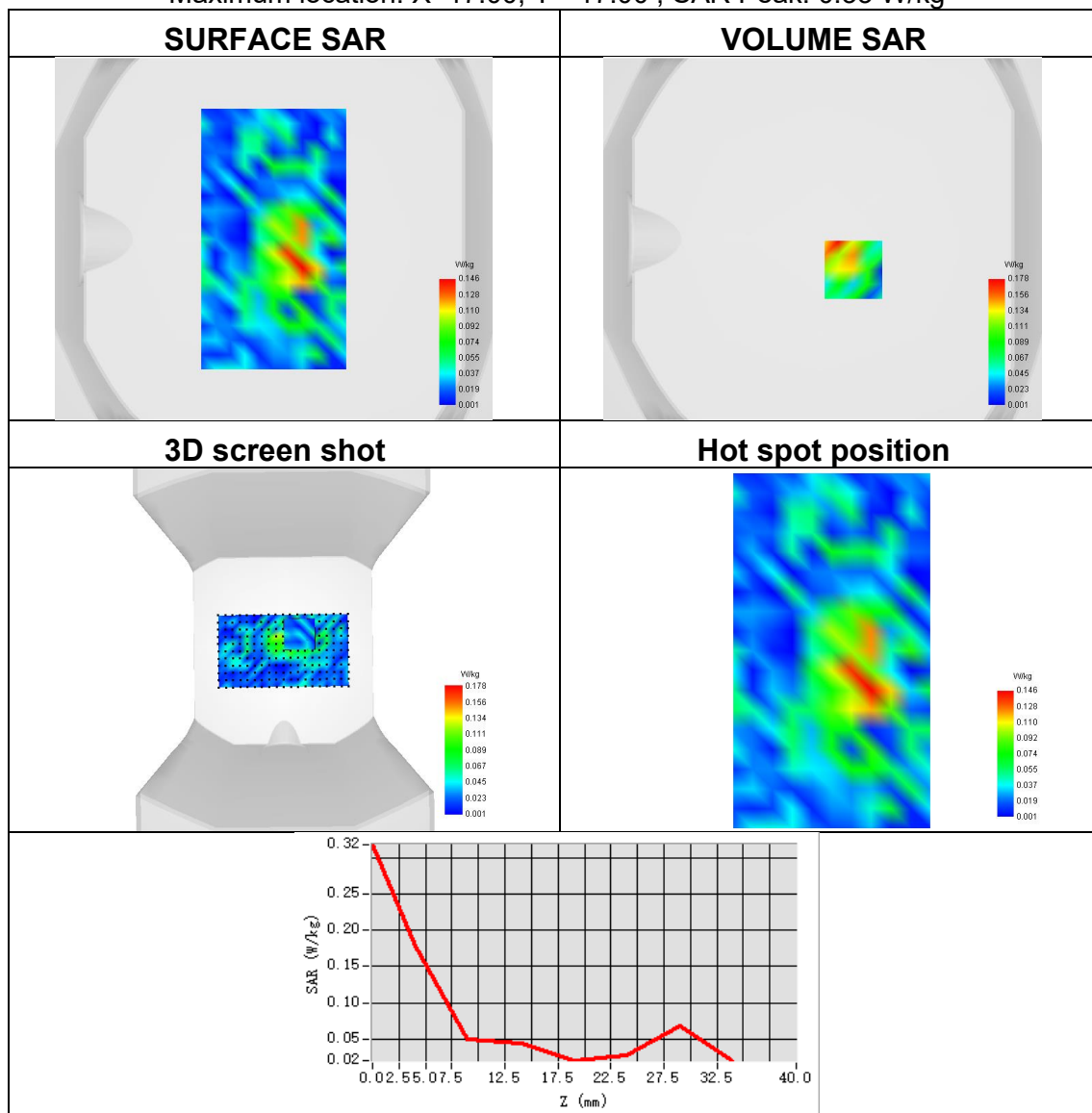




Plot 14:

Test Date	2024-08-03
Area Scan	dx=8mm dy=8mm
Zoom Scan	5x5x7,dx=8mm dy=8mm dz=5mm
Phantom	Validation plane
Device Position	Bottom Side
Band	BC1 (North American PCS)
Signal	CDMA (CDMA2000)
Frequency	1851.25
SAR 10g (W/Kg)	0.068
SAR 1g (W/Kg)	0.157
ConvF	2.24
Relative permittivity	40.78
Conductivity (S/m)	1.34

Maximum location: X=17.00, Y=-17.00 ; SAR Peak: 0.33 W/kg

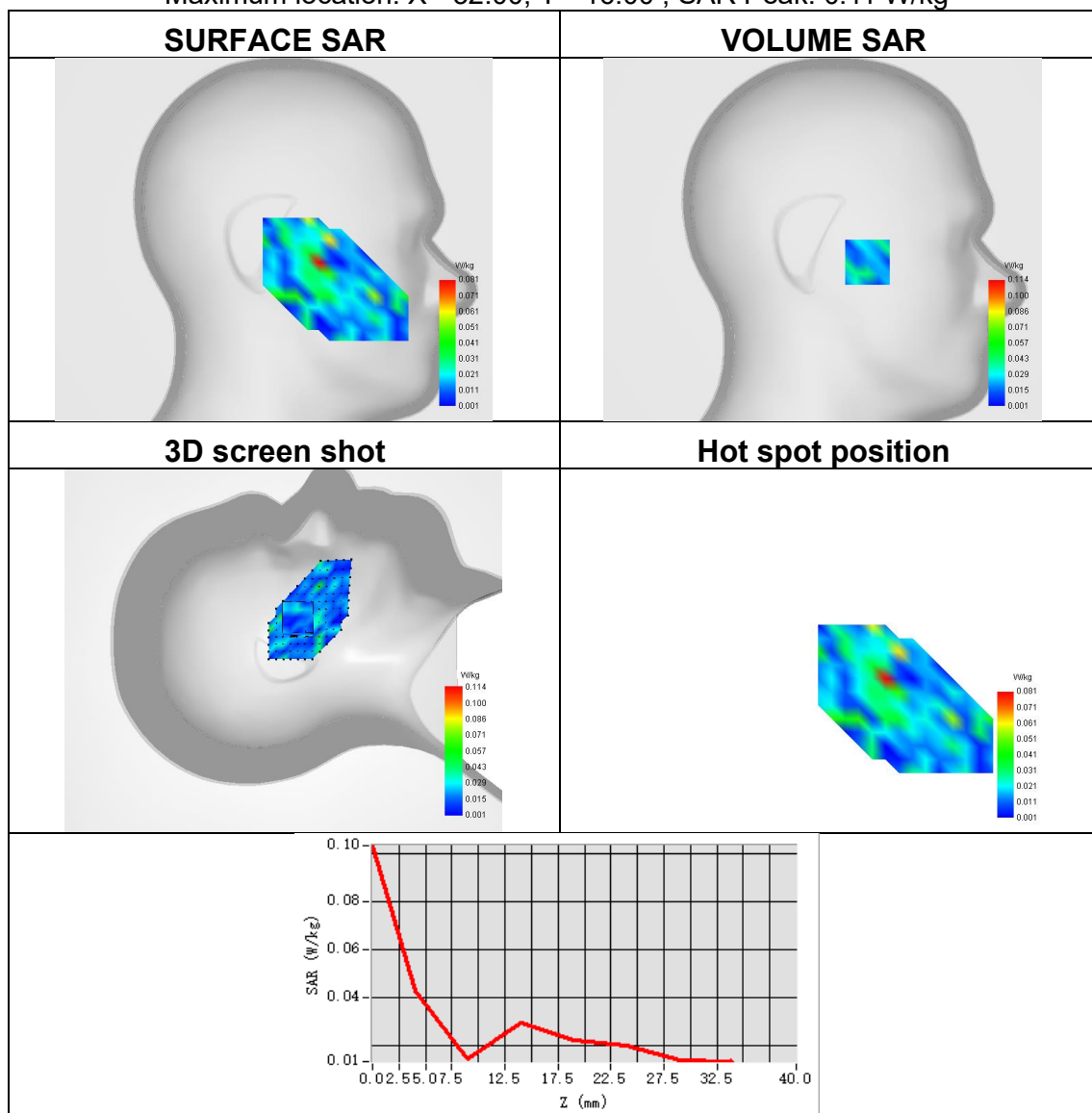




Plot 15:

Test Date	2024-08-27
Area Scan	dx=8mm dy=8mm
Zoom Scan	5x5x7,dx=8mm dy=8mm dz=5mm
Phantom	Left head
Device Position	Cheek
Band	ISM ANT 1
Signal	IEEE 802.11b
Frequency	2437
SAR 10g (W/Kg)	0.021
SAR 1g (W/Kg)	0.046
ConvF	2.30
Relative permittivity	39.60
Conductivity (S/m)	1.85

Maximum location: X=-32.00, Y=-16.00 ; SAR Peak: 0.11 W/kg

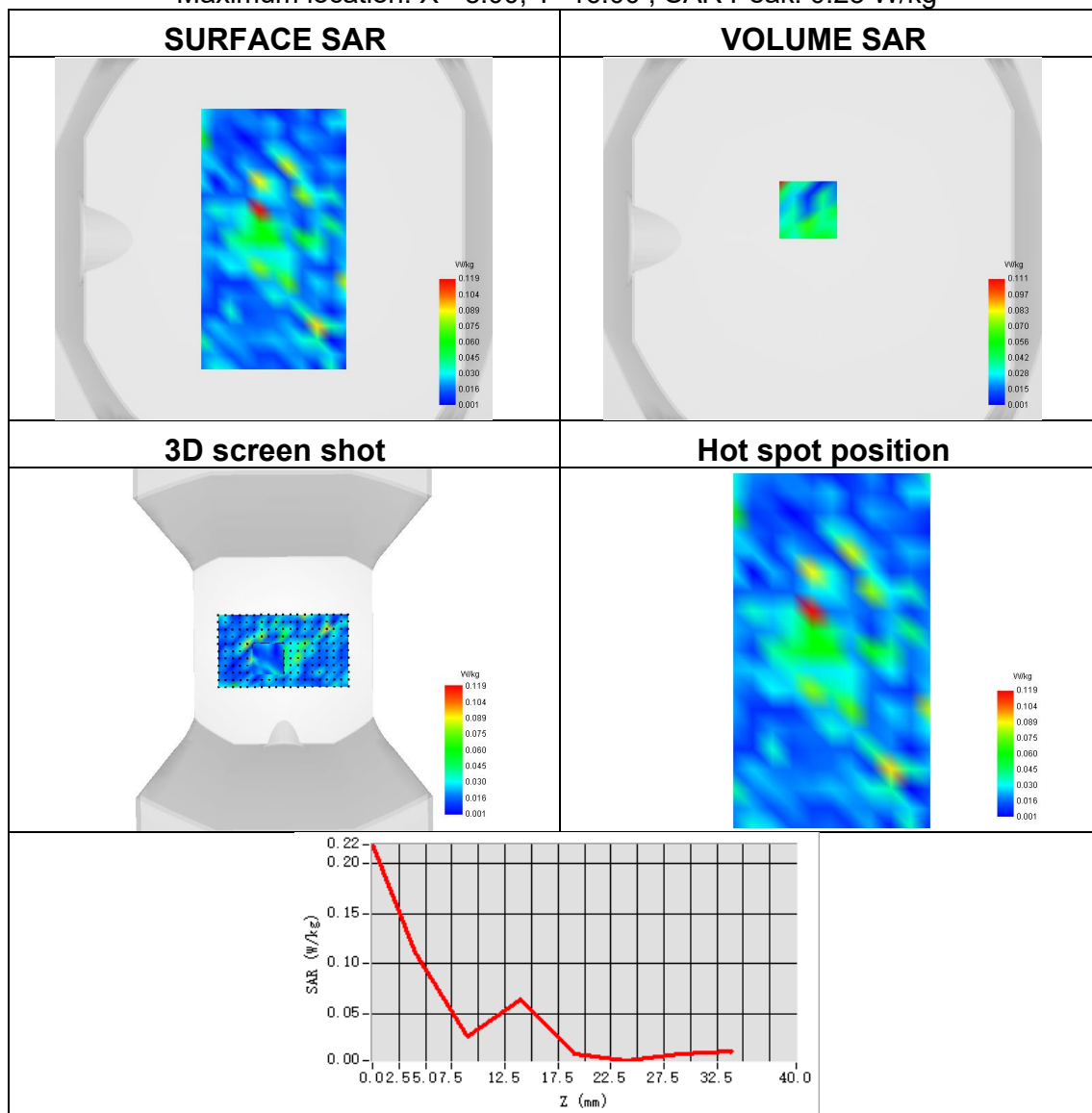




Plot 16:

Test Date	2024-08-27
Area Scan	dx=8mm dy=8mm
Zoom Scan	5x5x7, dx=8mm dy=8mm dz=5mm
Phantom	Validation plane
Device Position	Back Side
Band	ISM ANT 1
Signal	IEEE 802.11b
Frequency	2437
SAR 10g (W/Kg)	0.019
SAR 1g (W/Kg)	0.051
ConvF	2.30
Relative permittivity	39.60
Conductivity (S/m)	1.85

Maximum location: X=-8.00, Y=16.00 ; SAR Peak: 0.23 W/kg

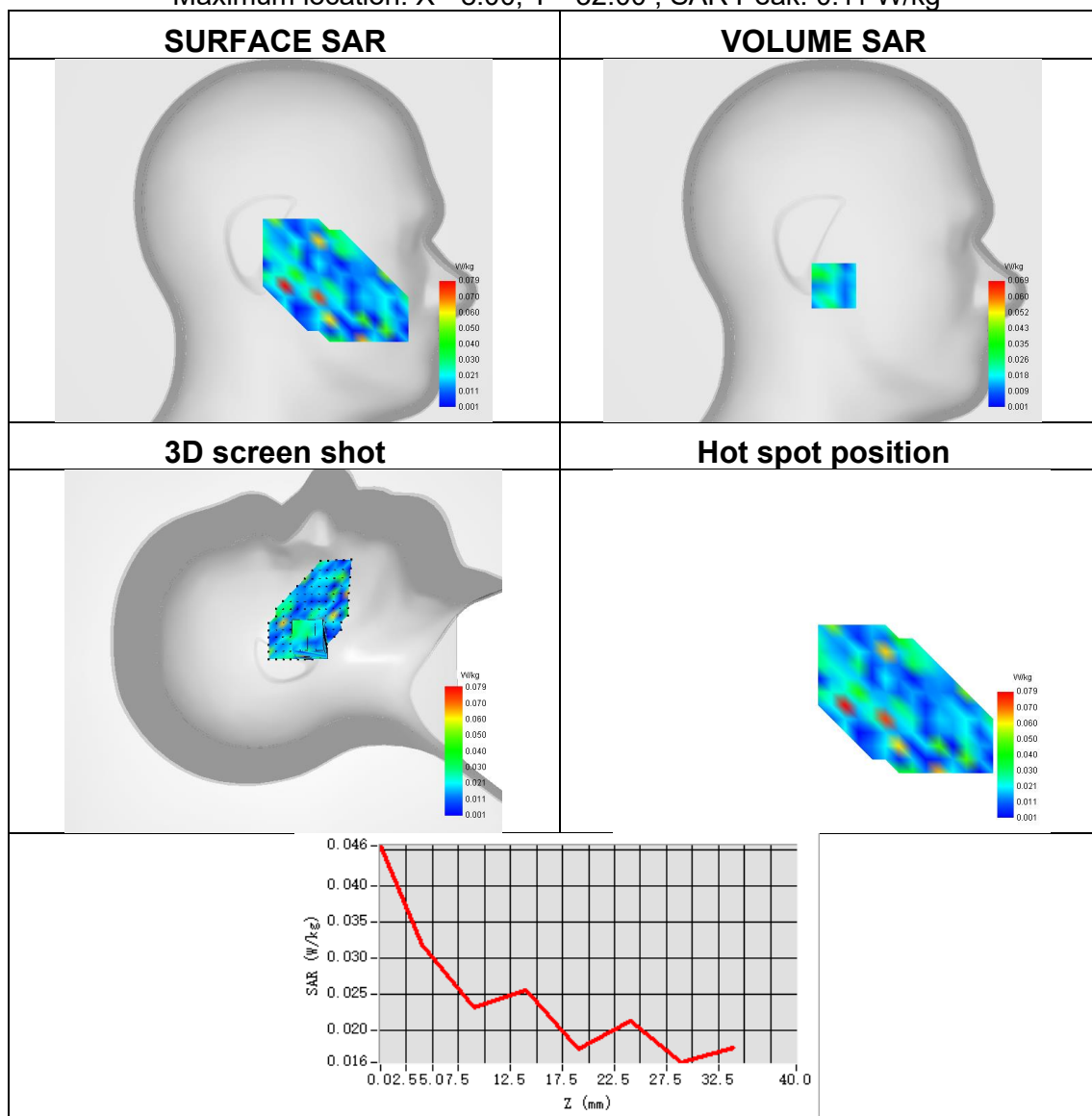




Plot 17:

Test Date	2024-08-27
Area Scan	dx=8mm dy=8mm
Zoom Scan	5x5x7,dx=8mm dy=8mm dz=5mm
Phantom	Left head
Device Position	Cheek
Band	ISM ANT 2
Signal	IEEE 802.11b
Frequency	2437
SAR 10g (W/Kg)	0.021
SAR 1g (W/Kg)	0.044
ConvF	2.30
Relative permittivity	39.60
Conductivity (S/m)	1.85

Maximum location: X=-8.00, Y=-32.00 ; SAR Peak: 0.11 W/kg

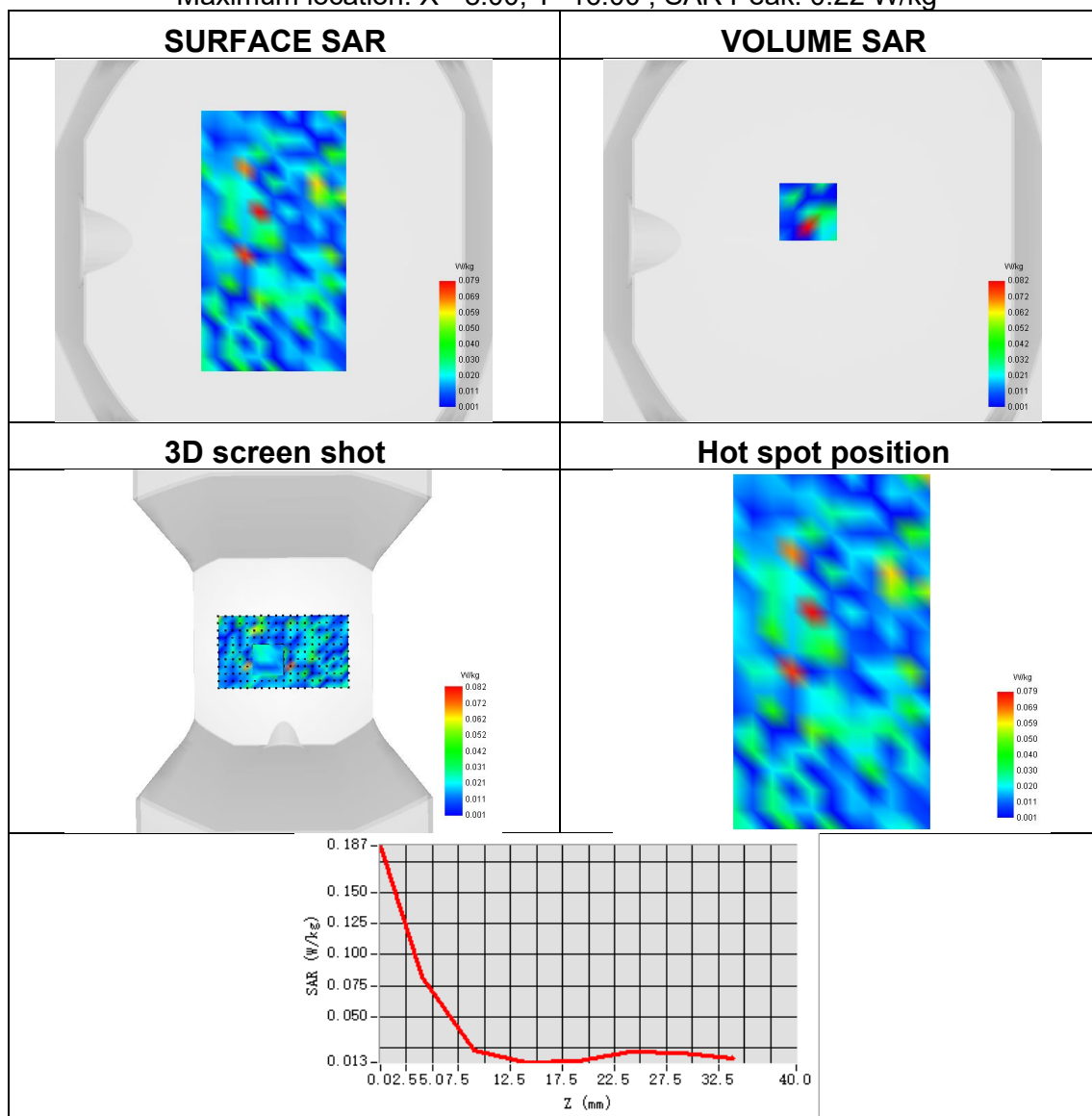




Plot 18:

Test Date	2024-08-27
Area Scan	dx=8mm dy=8mm
Zoom Scan	5x5x7,dx=8mm dy=8mm dz=5mm
Phantom	Validation plane
Device Position	Front Side
Band	ISM ANT 2
Signal	IEEE 802.11b
Frequency	2437
SAR 10g (W/Kg)	0.021
SAR 1g (W/Kg)	0.066
ConvF	2.30
Relative permittivity	39.60
Conductivity (S/m)	1.85

Maximum location: X=-8.00, Y=16.00 ; SAR Peak: 0.22 W/kg

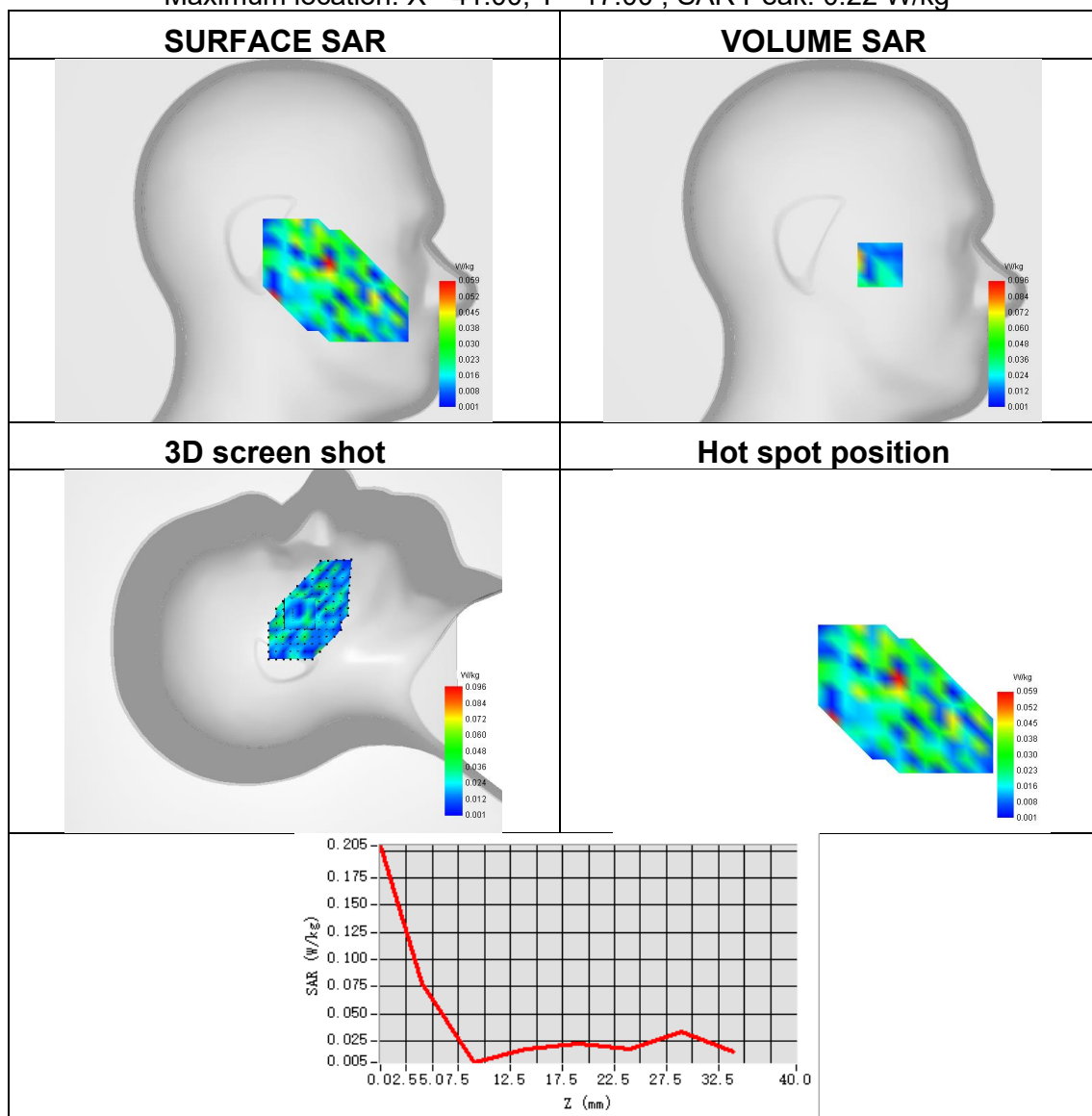




Plot 19:

Test Date	2024-08-27
Area Scan	dx=8mm dy=8mm
Zoom Scan	5x5x7,dx=8mm dy=8mm dz=5mm
Phantom	Left head
Device Position	Cheek
Band	ISM MIMO 1
Signal	IEEE 802.11ax
Frequency	2437
SAR 10g (W/Kg)	0.020
SAR 1g (W/Kg)	0.055
ConvF	2.30
Relative permittivity	39.60
Conductivity (S/m)	1.85

Maximum location: X=-41.00, Y=-17.00 ; SAR Peak: 0.22 W/kg

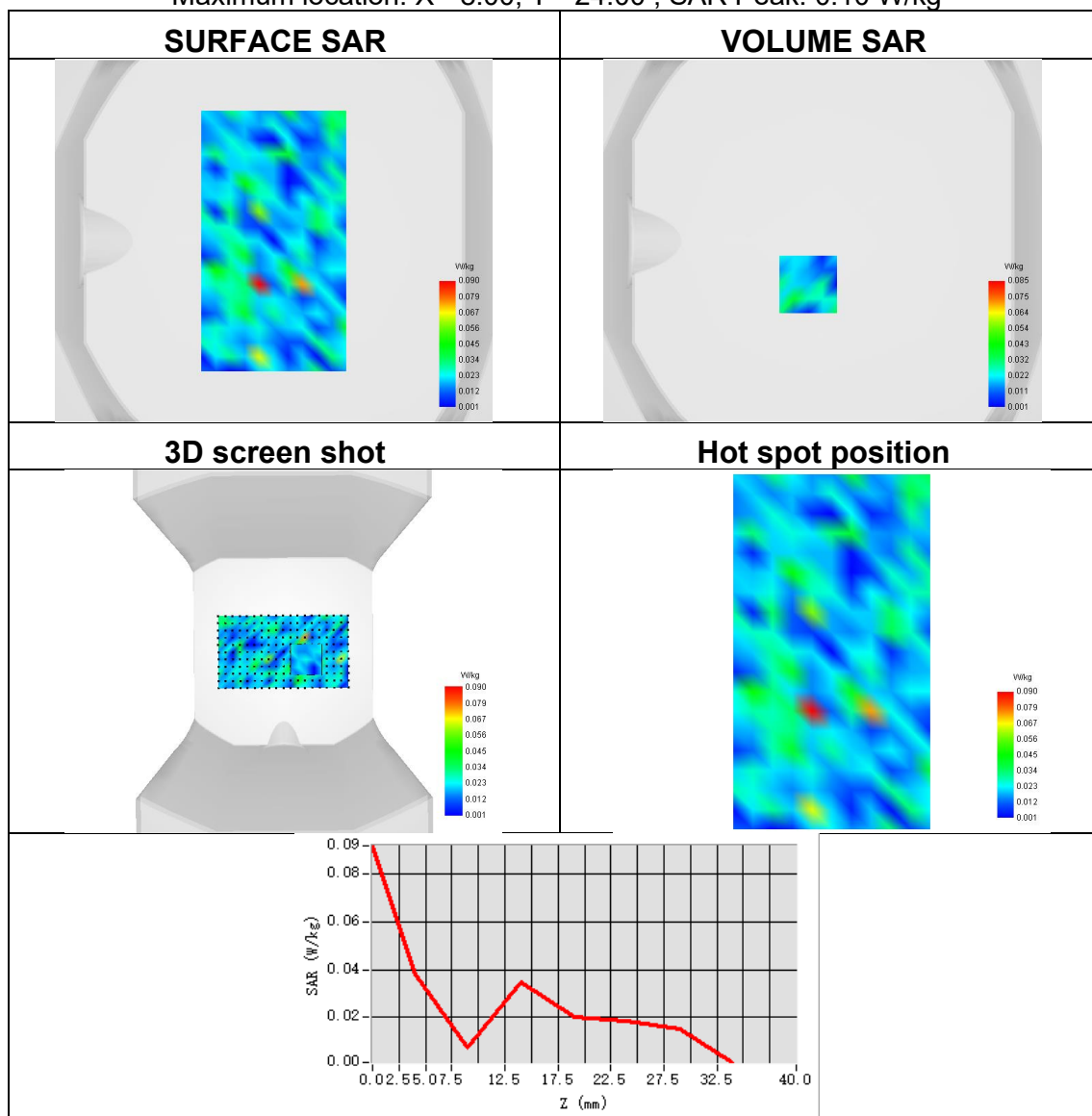




Plot 20:

Test Date	2024-08-27
Area Scan	dx=8mm dy=8mm
Zoom Scan	5x5x7,dx=8mm dy=8mm dz=5mm
Phantom	Validation plane
Device Position	Back Side
Band	ISM MIMO 1
Signal	IEEE 802.11ax
Frequency	2437
SAR 10g (W/Kg)	0.016
SAR 1g (W/Kg)	0.033
ConvF	2.30
Relative permittivity	39.60
Conductivity (S/m)	1.85

Maximum location: X=-8.00, Y=-24.00 ; SAR Peak: 0.10 W/kg

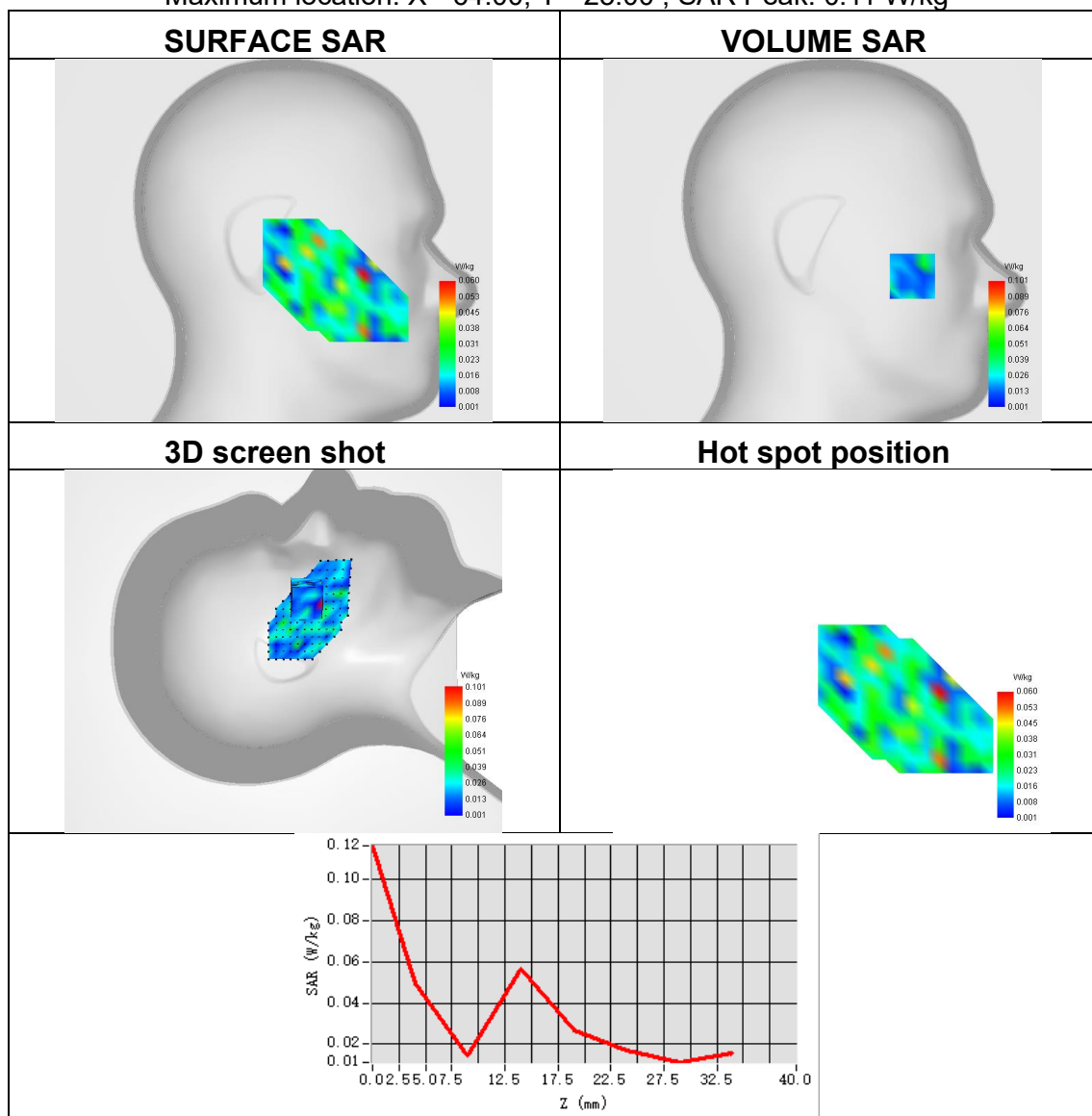




Plot 21:

Test Date	2024-08-27
Area Scan	dx=8mm dy=8mm
Zoom Scan	5x5x7,dx=8mm dy=8mm dz=5mm
Phantom	Left head
Device Position	Cheek
Band	ISM MIMO 2
Signal	IEEE 802.11ax
Frequency	2437
SAR 10g (W/Kg)	0.019
SAR 1g (W/Kg)	0.033
ConvF	2.30
Relative permittivity	39.60
Conductivity (S/m)	1.85

Maximum location: X=-64.00, Y=-25.00 ; SAR Peak: 0.11 W/kg

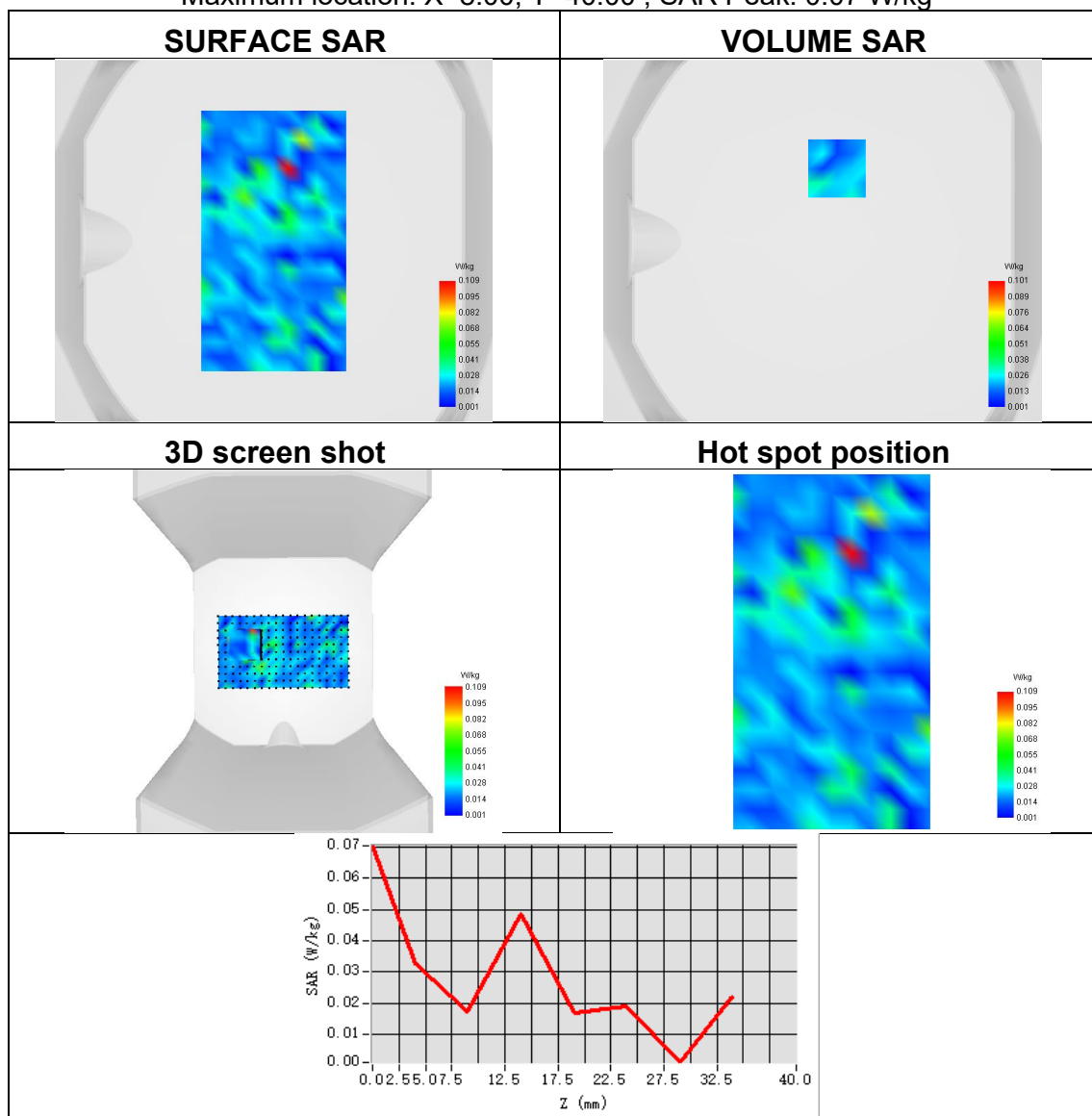




Plot 22:

Test Date	2024-08-27
Area Scan	dx=8mm dy=8mm
Zoom Scan	5x5x7,dx=8mm dy=8mm dz=5mm
Phantom	Validation plane
Device Position	Back Side
Band	ISM MIMO 2
Signal	IEEE 802.11ax
Frequency	2437
SAR 10g (W/Kg)	0.019
SAR 1g (W/Kg)	0.023
ConvF	2.30
Relative permittivity	39.60
Conductivity (S/m)	1.85

Maximum location: X=8.00, Y=40.00 ; SAR Peak: 0.07 W/kg

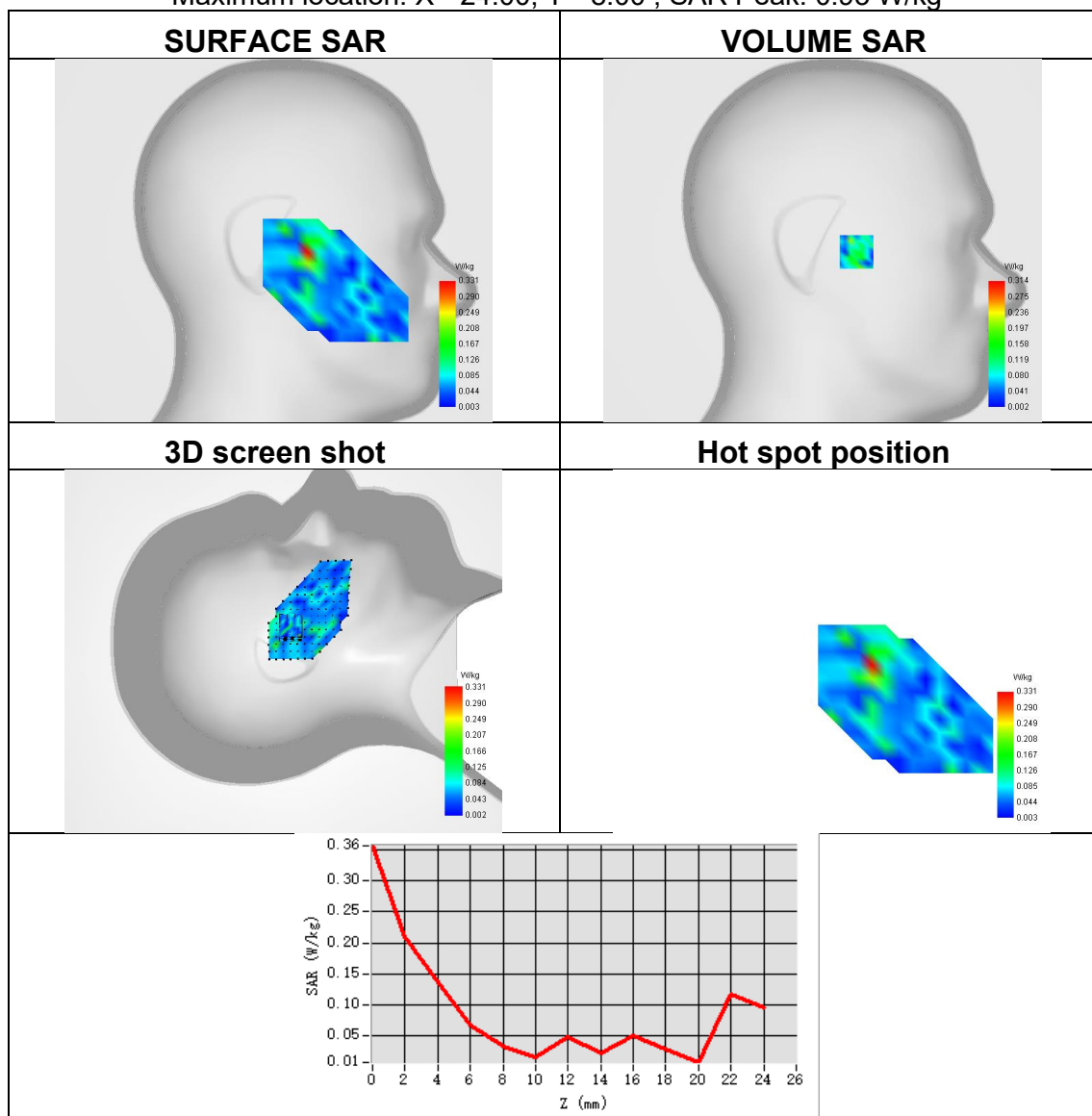




Plot 23:

Test Date	2024-08-24
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 ANT 1
Signal	IEEE 802.11a
Frequency	5180
SAR 10g (W/Kg)	0.054
SAR 1g (W/Kg)	0.055
ConvF	1.98
Relative permittivity	36.28
Conductivity (S/m)	4.64

Maximum location: X=-24.00, Y=-8.00 ; SAR Peak: 0.93 W/kg

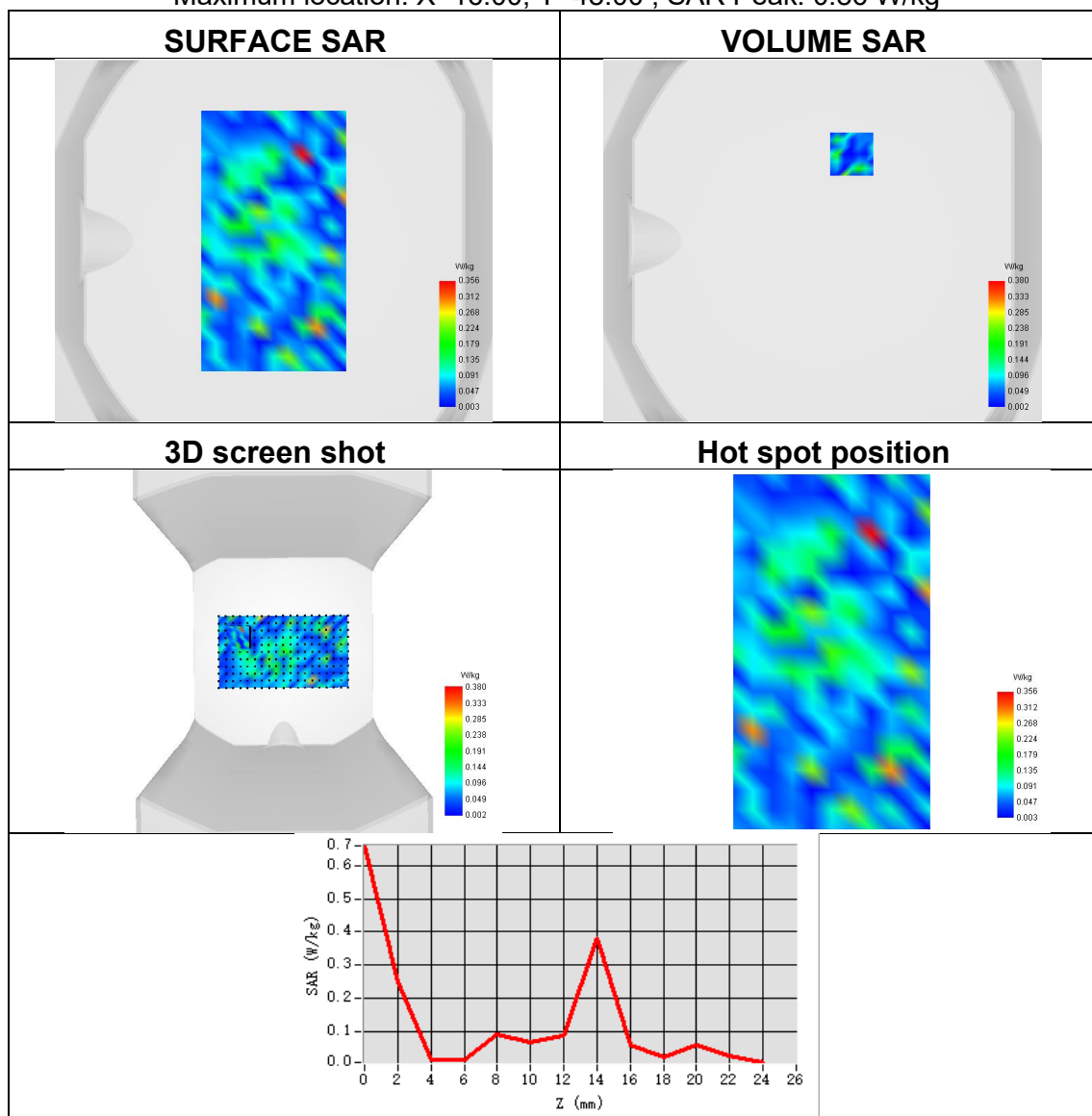




Plot 24:

Test Date	2024-08-24
Area Scan	dx=8mm dy=8mm
Zoom Scan	7x7x12,dx=4mm dy=4mm dz=2mm
Phantom	Validation plane
Device Position	Back Side
Band	U-NII-1 ANT 1
Signal	IEEE 802.11a
Frequency	5180
SAR 10g (W/Kg)	0.045
SAR 1g (W/Kg)	0.120
ConvF	1.98
Relative permittivity	36.28
Conductivity (S/m)	4.64

Maximum location: X=16.00, Y=48.00 ; SAR Peak: 0.86 W/kg

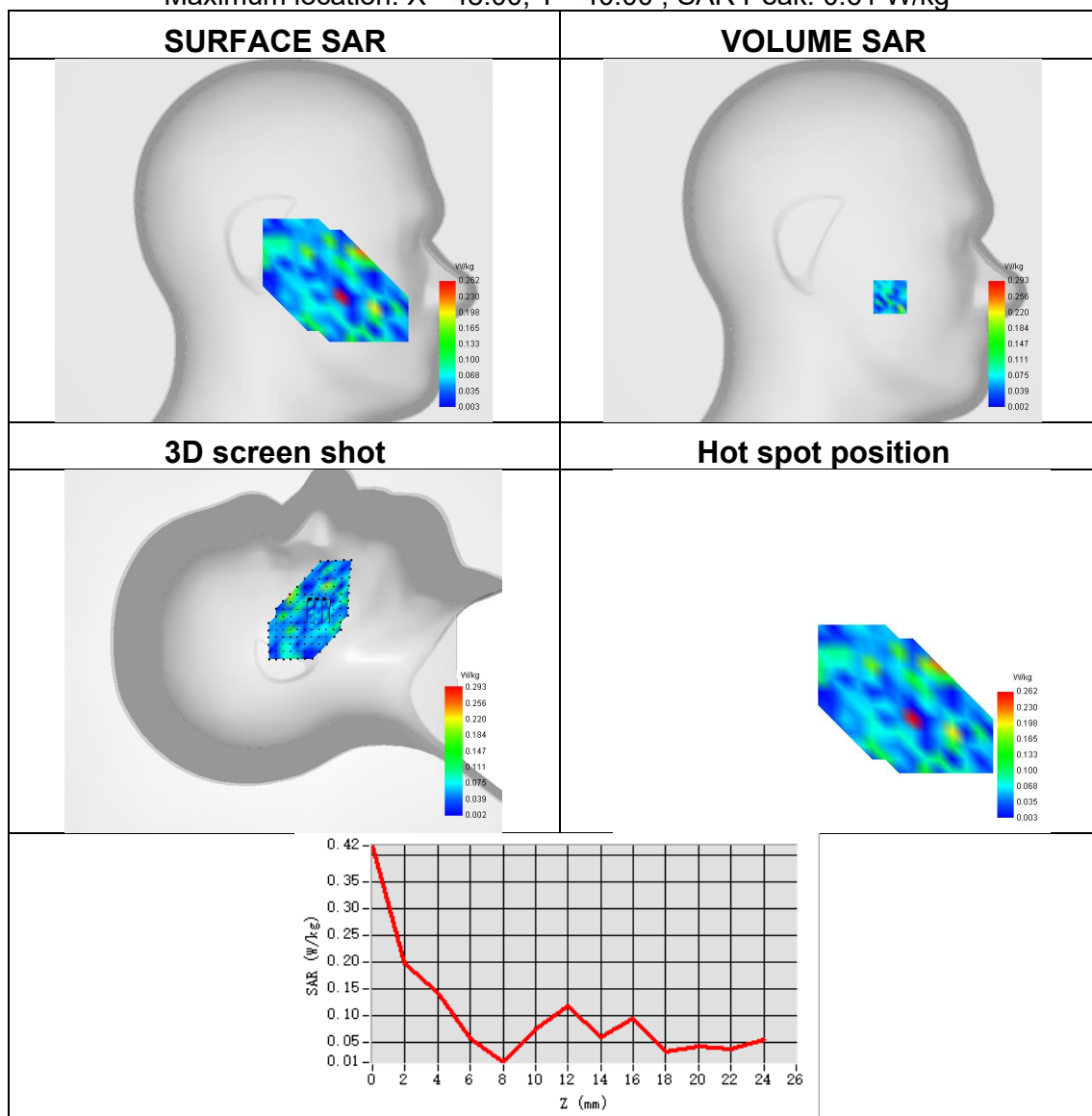




Plot 25:

Test Date	2024-08-24
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 ANT 2
Signal	IEEE 802.11a
Frequency	5240
SAR 10g (W/Kg)	0.046
SAR 1g (W/Kg)	0.098
ConvF	1.98
Relative permittivity	36.28
Conductivity (S/m)	4.64

Maximum location: X=-48.00, Y=-40.00 ; SAR Peak: 0.61 W/kg

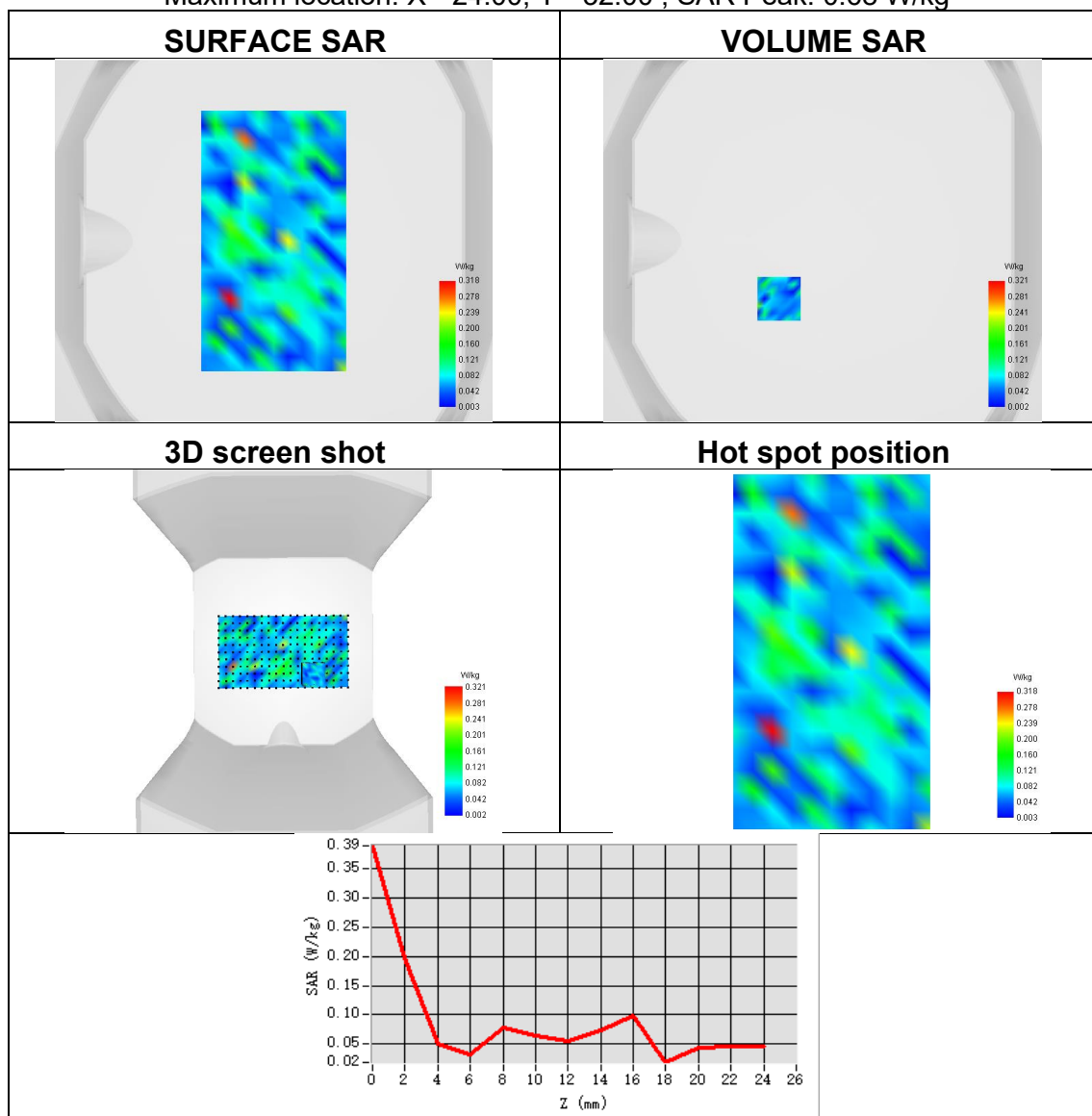




Plot 26:

Test Date	2024-08-24
Area Scan	dx=8mm dy=8mm
Zoom Scan	7x7x12,dx=4mm dy=4mm dz=2mm
Phantom	Validation plane
Device Position	Back Side
Band	U-NII-1 ANT 2
Signal	IEEE 802.11a
Frequency	5240
SAR 10g (W/Kg)	0.040
SAR 1g (W/Kg)	0.090
ConvF	1.98
Relative permittivity	36.28
Conductivity (S/m)	4.64

Maximum location: X=-24.00, Y=-32.00 ; SAR Peak: 0.68 W/kg

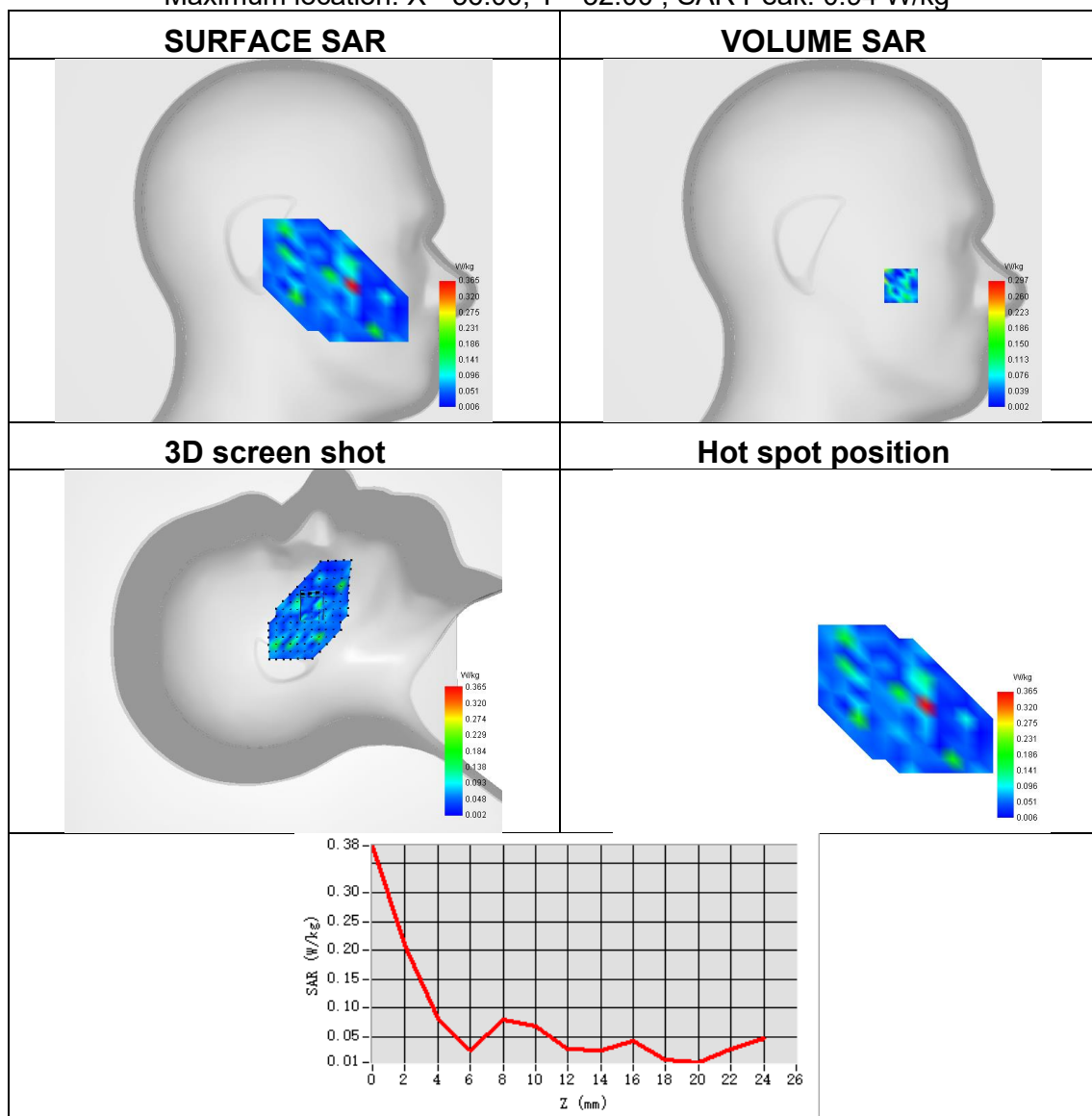




Plot 27:

Test Date	2024-08-24
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 MIMO 1
Signal	IEEE 802.11n
Frequency	5240
SAR 10g (W/Kg)	0.056
SAR 1g (W/Kg)	0.138
ConvF	1.98
Relative permittivity	36.28
Conductivity (S/m)	4.64

Maximum location: X=-56.00, Y=-32.00 ; SAR Peak: 0.94 W/kg

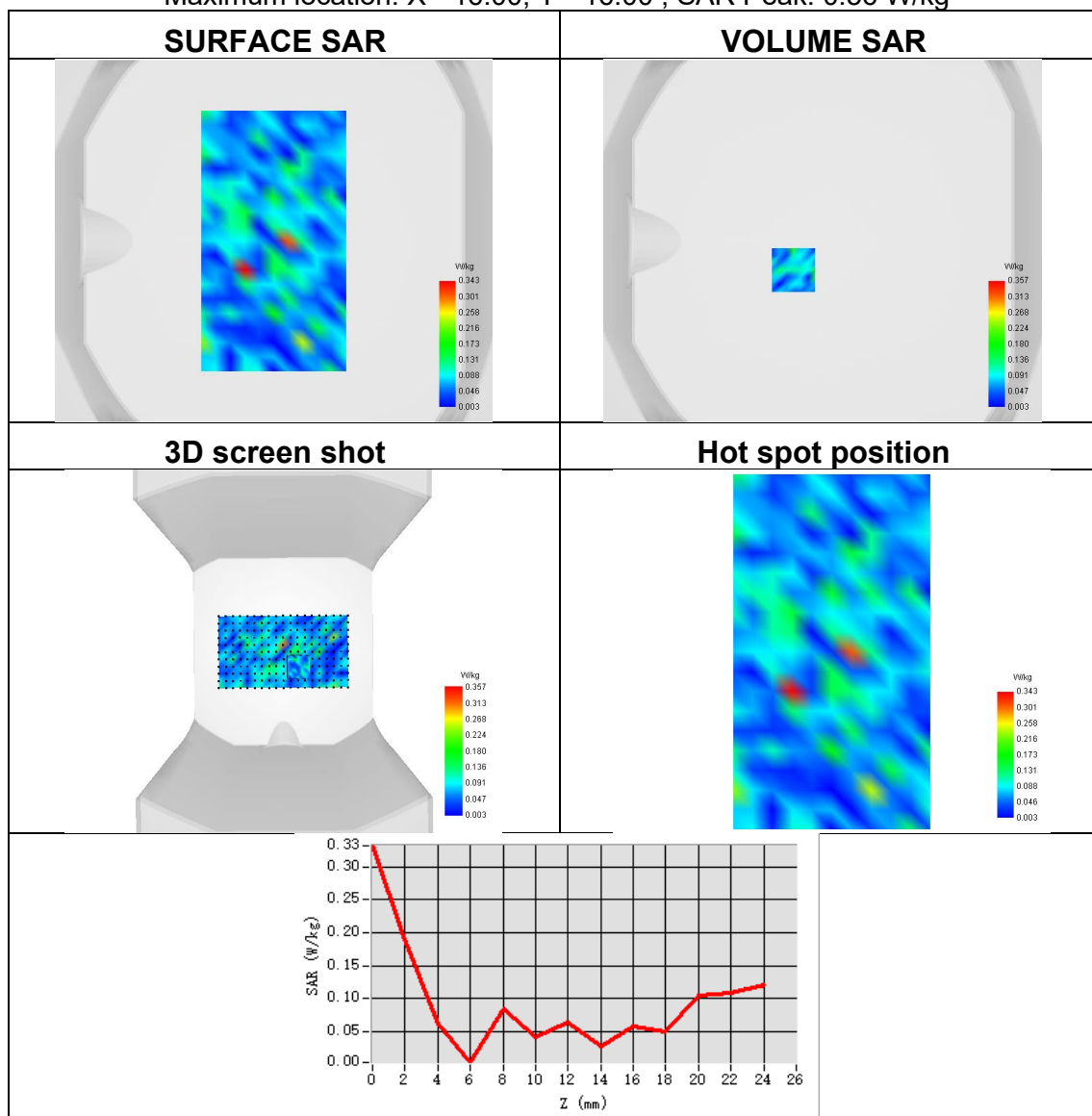




Plot 28:

Test Date	2024-08-24
Area Scan	dx=8mm dy=8mm
Zoom Scan	7x7x12,dx=4mm dy=4mm dz=2mm
Phantom	Validation plane
Device Position	Back Side
Band	U-NII-1 MIMO 1
Signal	IEEE 802.11n
Frequency	5240
SAR 10g (W/Kg)	0.062
SAR 1g (W/Kg)	0.116
ConvF	1.98
Relative permittivity	36.28
Conductivity (S/m)	4.64

Maximum location: X=-16.00, Y=-16.00 ; SAR Peak: 0.56 W/kg

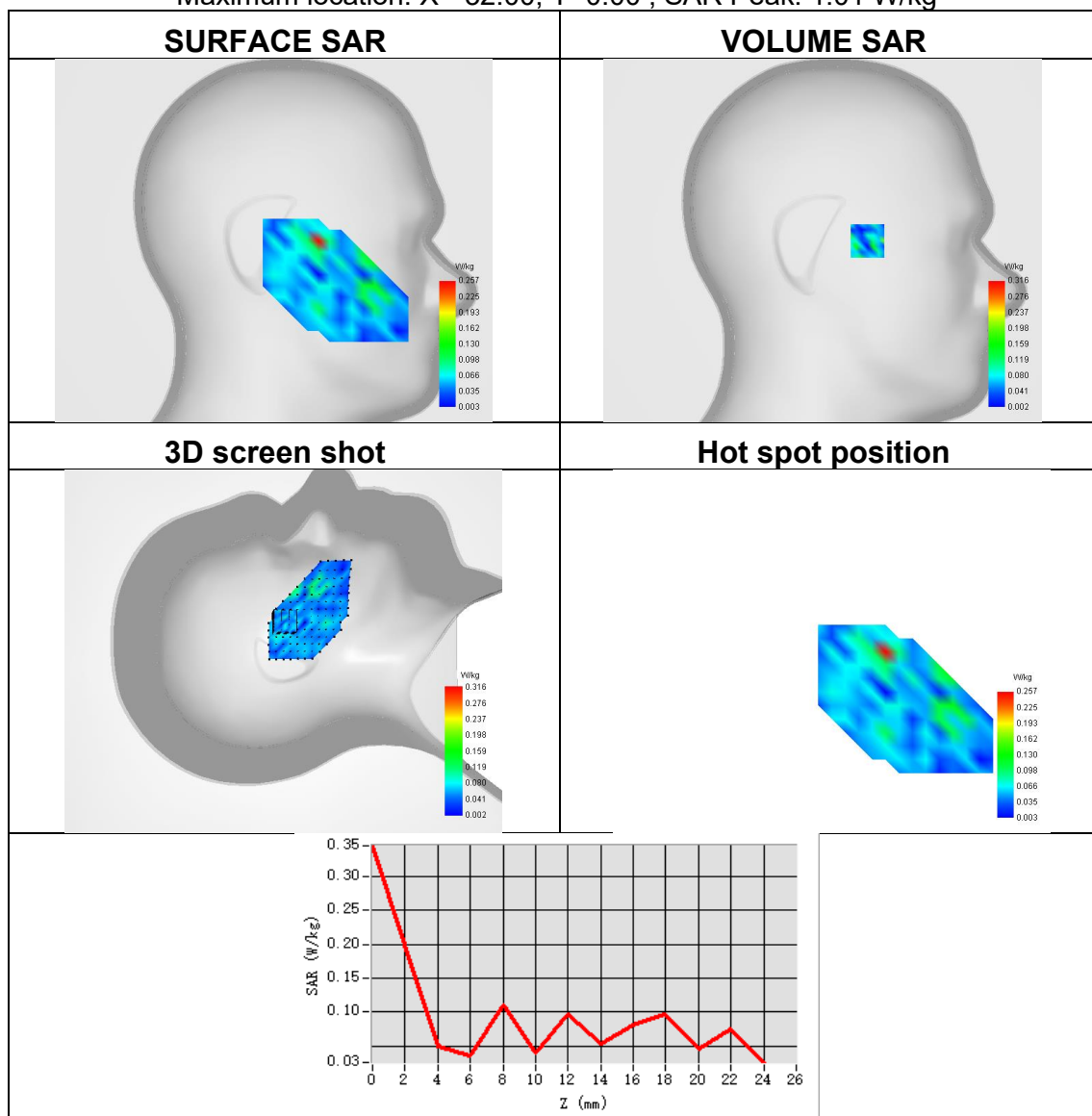




Plot 29:

Test Date	2024-08-24
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 MIMO 2
Signal	IEEE 802.11n
Frequency	5240
SAR 10g (W/Kg)	0.063
SAR 1g (W/Kg)	0.075
ConvF	1.98
Relative permittivity	36.28
Conductivity (S/m)	4.64

Maximum location: X=-32.00, Y=0.00 ; SAR Peak: 1.01 W/kg

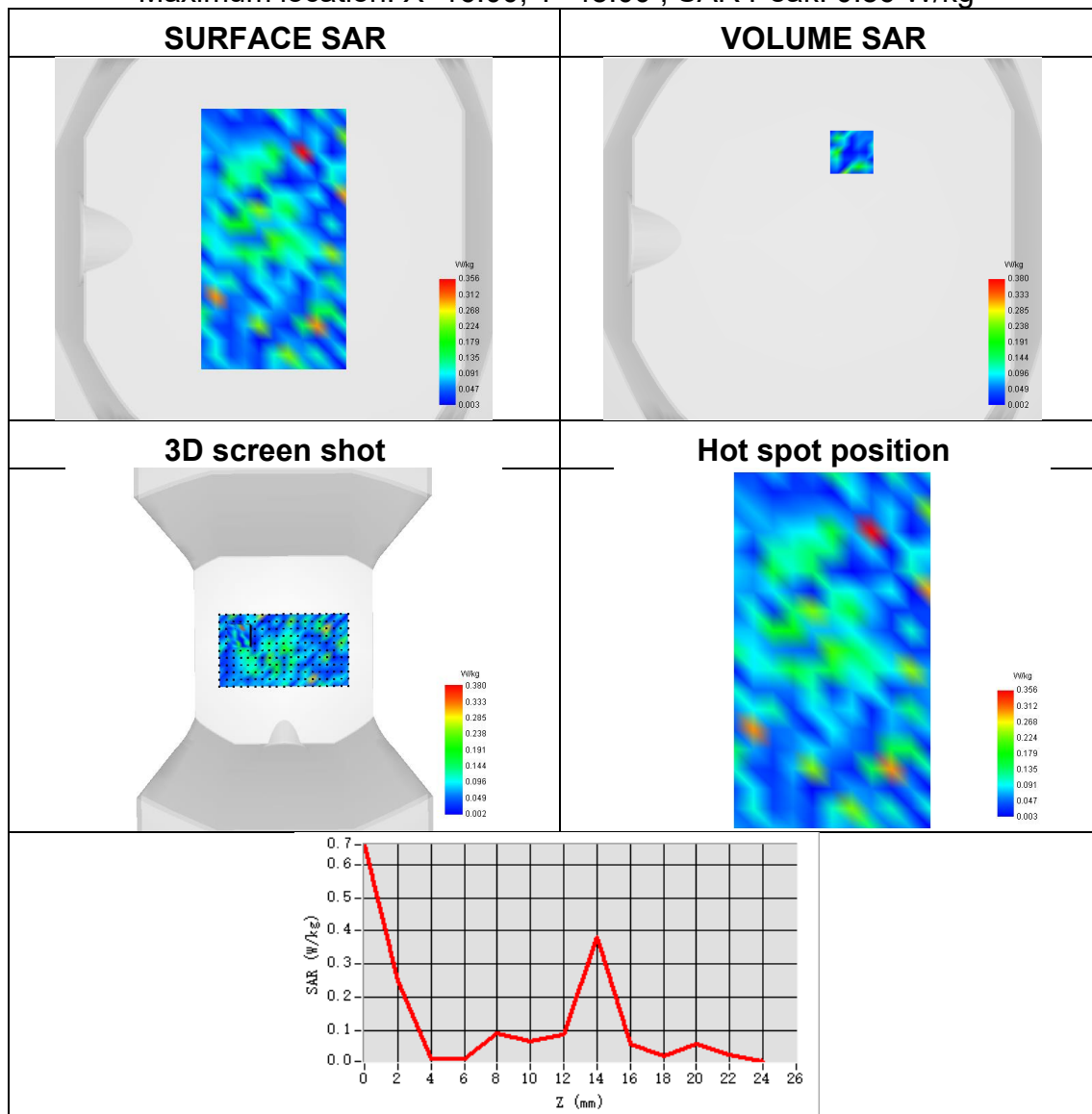




Plot 30:

Test Date	2024-08-24
Area Scan	dx=8mm dy=8mm
Zoom Scan	7x7x12,dx=4mm dy=4mm dz=2mm
Phantom	Validation plane
Device Position	Back Side
Band	U-NII-1 MIMO 2
Signal	IEEE 802.11n
Frequency	5240
SAR 10g (W/Kg)	0.045
SAR 1g (W/Kg)	0.120
ConvF	1.98
Relative permittivity	36.28
Conductivity (S/m)	4.64

Maximum location: X=16.00, Y=48.00 ; SAR Peak: 0.86 W/kg

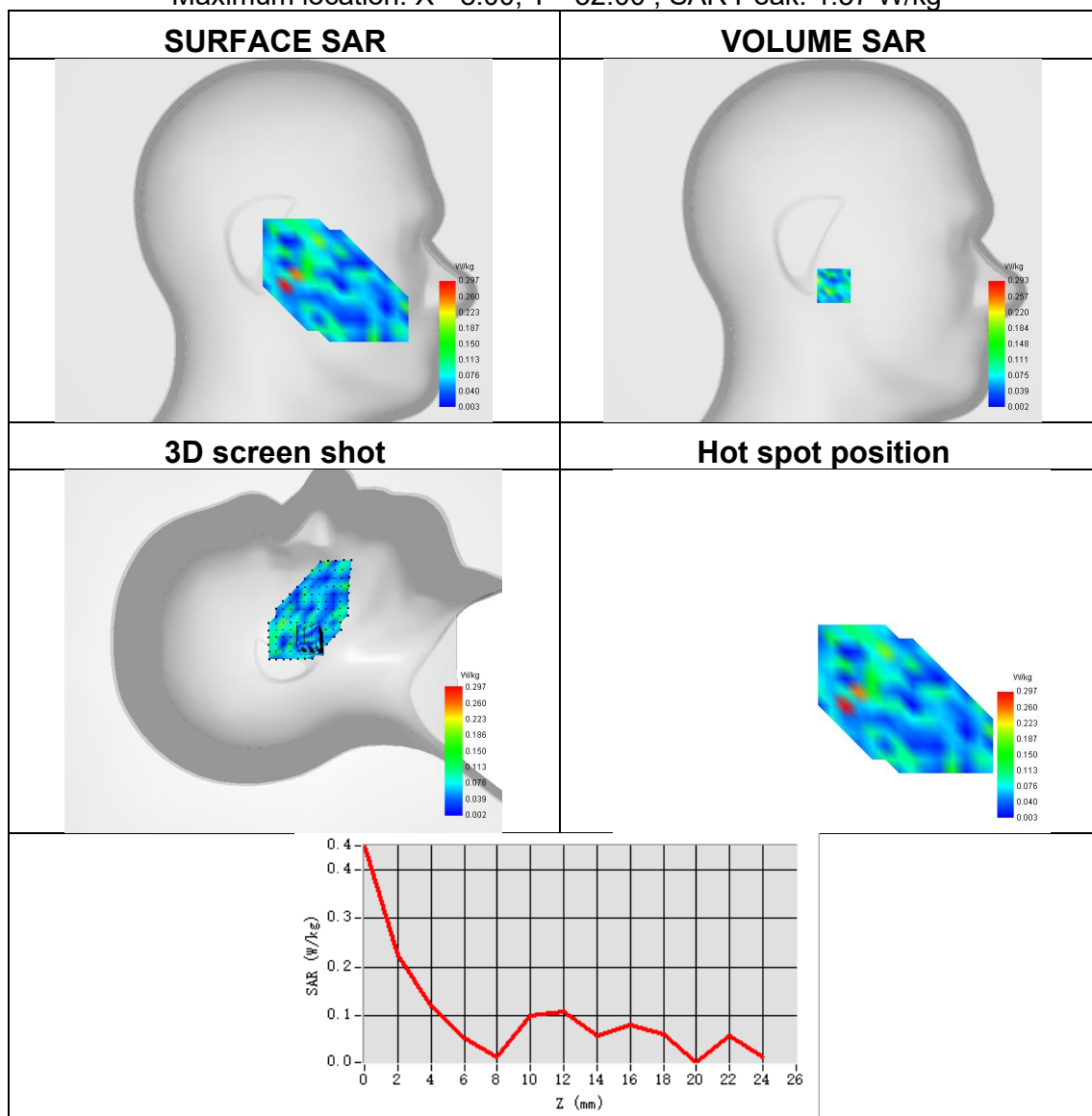




Plot 31:

Test Date	2024-08-25
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 ANT 1
Signal	IEEE 802.11a
Frequency	5260
SAR 10g (W/Kg)	0.064
SAR 1g (W/Kg)	0.118
ConvF	1.83
Relative permittivity	36.65
Conductivity (S/m)	4.92

Maximum location: X=-8.00, Y=-32.00 ; SAR Peak: 1.57 W/kg

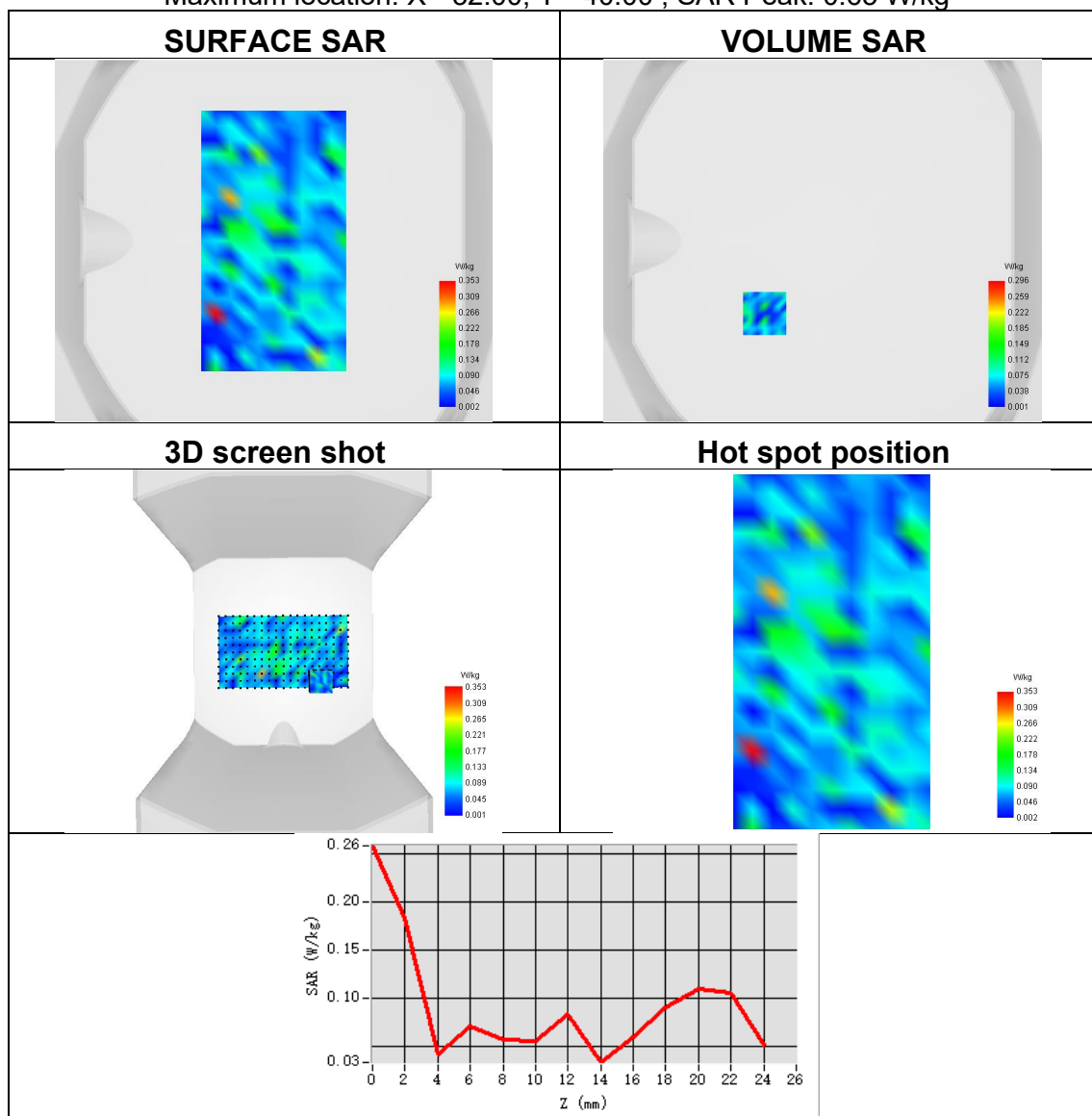




Plot 32:

Test Date	2024-08-25
Area Scan	dx=8mm dy=8mm
Zoom Scan	7x7x12,dx=4mm dy=4mm dz=2mm
Phantom	Validation plane
Device Position	Back Side
Band	U-NII-2a ANT 1
Signal	IEEE 802.11a
Frequency	5260
SAR 10g (W/Kg)	0.047
SAR 1g (W/Kg)	0.087
ConvF	1.83
Relative permittivity	36.65
Conductivity (S/m)	4.92

Maximum location: X=-32.00, Y=-40.00 ; SAR Peak: 0.65 W/kg

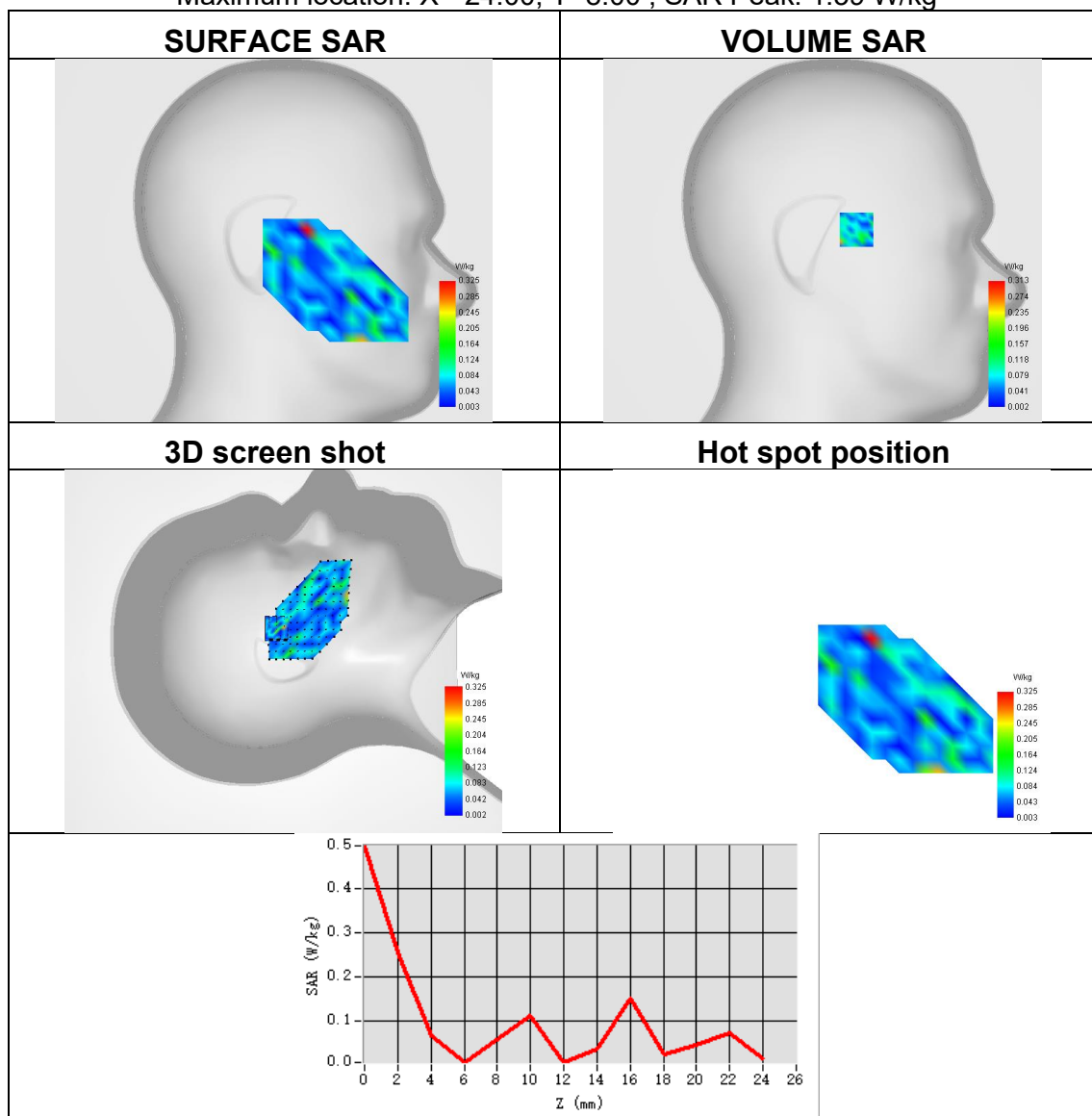




Plot 33:

Test Date	2024-08-25
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 ANT 2
Signal	IEEE 802.11a
Frequency	5320
SAR 10g (W/Kg)	0.057
SAR 1g (W/Kg)	0.164
ConvF	1.83
Relative permittivity	36.65
Conductivity (S/m)	4.92

Maximum location: X=-24.00, Y=8.00 ; SAR Peak: 1.59 W/kg

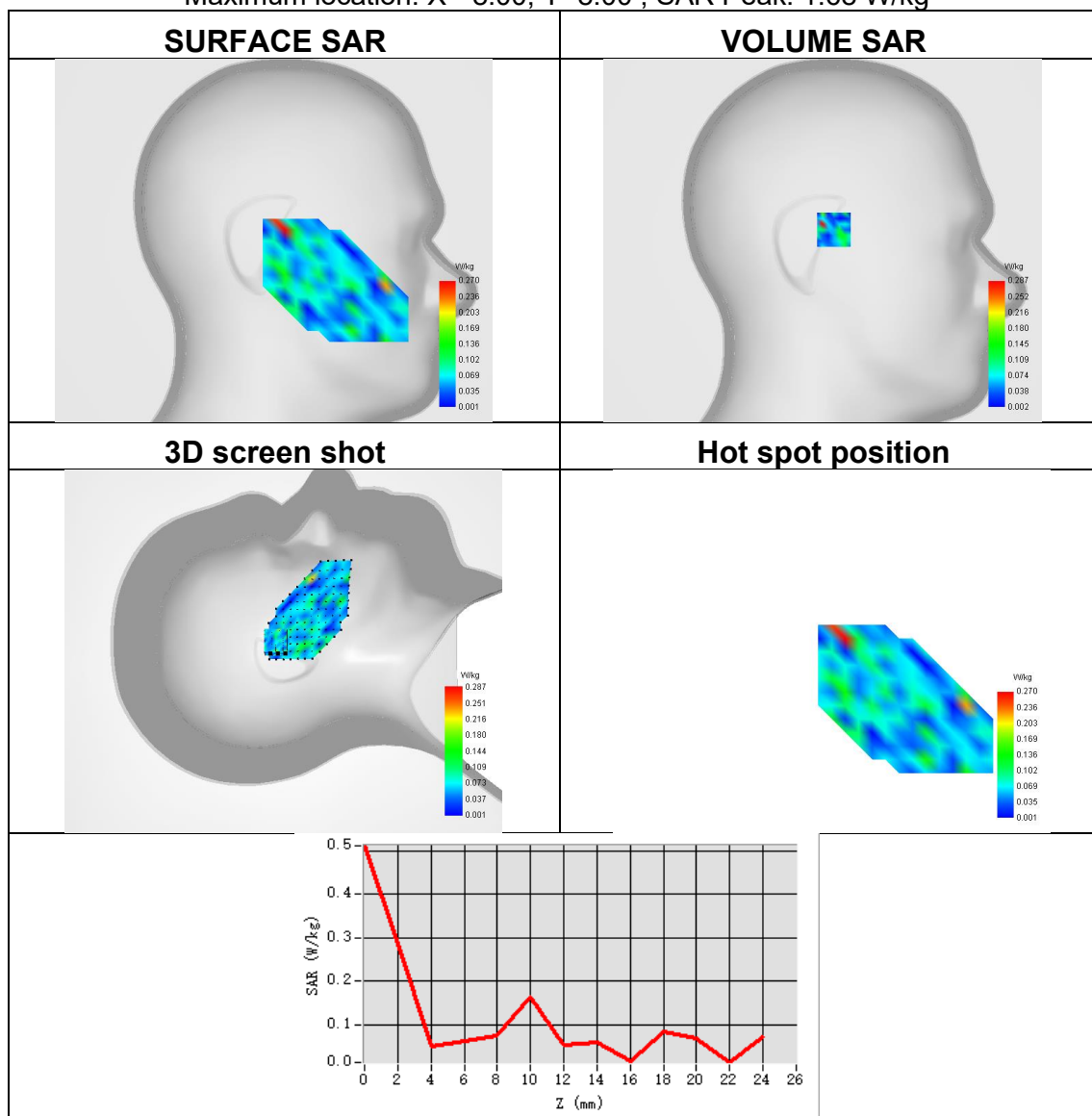




Plot 35:

Test Date	2024-08-25
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 MIMO 1
Signal	IEEE 802.11n
Frequency	5260
SAR 10g (W/Kg)	0.053
SAR 1g (W/Kg)	0.187
ConvF	1.83
Relative permittivity	36.65
Conductivity (S/m)	4.92

Maximum location: X=-8.00, Y=8.00 ; SAR Peak: 1.68 W/kg

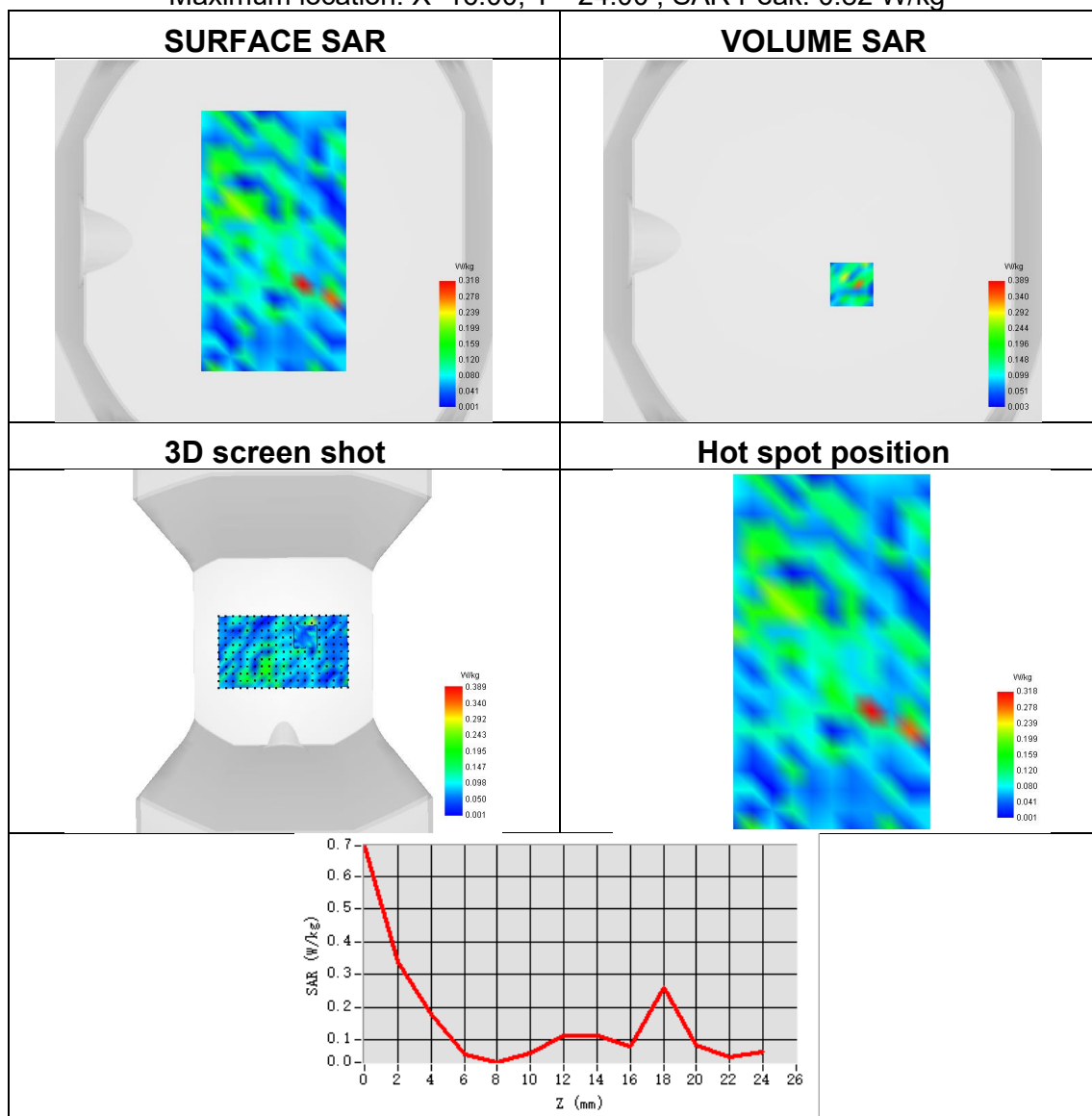




Plot 36:

Test Date	2024-08-25
Area Scan	dx=8mm dy=8mm
Zoom Scan	7x7x12,dx=4mm dy=4mm dz=2mm
Phantom	Validation plane
Device Position	Back Side
Band	U-NII-2a MIMO 1
Signal	IEEE 802.11n
Frequency	5260
SAR 10g (W/Kg)	0.065
SAR 1g (W/Kg)	0.131
ConvF	1.83
Relative permittivity	36.65
Conductivity (S/m)	4.92

Maximum location: X=16.00, Y=-24.00 ; SAR Peak: 0.82 W/kg





Plot 37:

Test Date	2024-08-25
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 MIMO 2
Signal	IEEE 802.11n
Frequency	5260
SAR 10g (W/Kg)	0.033
SAR 1g (W/Kg)	0.105
ConvF	1.83
Relative permittivity	36.65
Conductivity (S/m)	4.92

Maximum location: X=-32.00, Y=-48.00 ; SAR Peak: 1.25 W/kg

