Band	Test Position	RB allocation	Scaled				Σ SAR (W/kg) WWAN + WIFI 2.4G	Σ SAR (W/kg) WWAN + WIFI 5G	Σ SAR (W/kg) WWAN + BT	SPLSR	Remark
			WWAN	WIFI 2.4G	WIFI 5G	Bluetooth					
LTE Band 12 QPSK (10MHz)	Front	1	0.065	0.023	0.242	0.093	0.088	0.307	0.158	N/A	N/A
		25	0.063	0.023	0.242	0.093	0.086	0.305	0.156	N/A	N/A
	Back	1	**0.130**	**0.064**	**0.250**	0.093	0.194	0.380	0.223	N/A	N/A
		25	0.115	**0.064**	**0.250**	0.093	0.179	0.365	0.208	N/A	N/A
	Left	1	0.084	/	/	/	0.084	0.084	0.084	N/A	N/A
		25	0.073	/	/	/	0.073	0.073	0.073	N/A	N/A
	Right	1	0.144	0.019	0.120	0.093	0.163	0.264	0.237	N/A	N/A
		25	0.136	0.019	0.120	0.093	0.155	0.256	0.229	N/A	N/A
	Top	1	/	0.022	0.103	0.093	0.022	0.103	0.093	N/A	N/A
		25	/	0.022	0.103	0.093	0.022	0.103	0.093	N/A	N/A
	Bottom	1	0.082	/	/	/	0.082	0.082	0.082	N/A	N/A
		25	0.080	/	/	/	0.080	0.080	0.080	N/A	N/A
LTE Band 17 QPSK (10MHz)	Front	1	0.068	0.023	0.242	0.093	0.091	0.310	0.161	N/A	N/A
		25	0.069	0.023	0.242	0.093	0.092	0.311	0.162	N/A	N/A
	Back	1	**0.142**	**0.064**	**0.250**	0.093	0.206	0.392	0.235	N/A	N/A
		25	0.134	**0.064**	**0.250**	0.093	0.198	0.384	0.227	N/A	N/A
	Left	1	0.087	/	/	/	0.087	0.087	0.087	N/A	N/A
		25	0.081	/	/	/	0.081	0.081	0.081	N/A	N/A
	Right	1	0.147	0.019	0.120	0.093	0.166	0.267	0.240	N/A	N/A
		25	0.148	0.019	0.120	0.093	0.167	0.268	0.241	N/A	N/A
	Top	1	/	0.022	0.103	0.093	0.022	0.103	0.093	N/A	N/A
		25	/	0.022	0.103	0.093	0.022	0.103	0.093	N/A	N/A
	Bottom	1	0.087	/	/	/	0.087	0.087	0.087	N/A	N/A
		25	0.092	/	/	/	0.092	0.092	0.092	N/A	N/A
LTE Band 66 QPSK (20MHz)	Front	1	0.197	0.023	0.242	0.093	0.220	0.439	0.290	N/A	N/A
		50	0.186	0.023	0.242	0.093	0.209	0.428	0.279	N/A	N/A
	Back	1	**0.540**	**0.064**	**0.250**	0.093	0.604	0.790	0.633	N/A	N/A
		50	0.434	**0.064**	**0.250**	0.093	0.498	0.684	0.527	N/A	N/A
	Left	1	0.116	/	/	/	0.116	0.116	0.116	N/A	N/A
		50	0.116	/	/	/	0.116	0.116	0.116	N/A	N/A
	Right	1	0.060	0.019	0.120	0.093	0.079	0.180	0.153	N/A	N/A
		50	0.056	0.019	0.120	0.093	0.075	0.176	0.149	N/A	N/A
	Top	1	/	0.022	0.103	0.093	0.022	0.103	0.093	N/A	N/A
		50	/	0.022	0.103	0.093	0.022	0.103	0.093	N/A	N/A
	Bottom	1	0.420	/	/	/	0.420	0.420	0.420	N/A	N/A
		50	0.361	/	/	/	0.361	0.361	0.361	N/A	N/A

Simultaneous Transmission Conclusion

The above numerical summed SAR results for all the case simultaneous transmission conditions were below the SAR limit. Therefore, the above analysis is sufficient to determine that simultaneous transmission cases will not exceed the SAR limit and therefore measured volumetric simultaneous SAR summation is not required per FCC KDB Publication 447498 D01v05r02.

10.4. Measurement Uncertainty (450MHz-3GHz)

UNCERTAINTY EVALUATION FOR HEADSET SAR									
Uncertainty Component	Description	Uncertainty Value(%)	Probably Distribution	Div.	(Ci) 1g	(Ci) 10g	Std. Unc. 1g(%)	Std. Unc. 10g(%)	v
Measurement system									
Probe calibration	7.2.1	5.8	N	1	1	1	5.8	5.8	∞
Axial isotropy	7.2.1.1	3.5	R	$\sqrt{3}$	$(1\text{-}C_p)^{1/2}$	$(1\text{-}C_p)^{1/2}$	1.43	1.43	∞
Hemispherical isotropy	7.2.1.1	5.9	R	$\sqrt{3}$	$\sqrt{C_p}$	$\sqrt{C_p}$	2.41	2.41	∞
Boundary Effects	7.2.1.4	1.00	R	$\sqrt{3}$	1	1	0.58	0.58	∞
Linearity	7.2.1.2	4.70	R	$\sqrt{3}$	1	1	2.71	2.71	∞
System detection limits	7.2.1.2	1	R	$\sqrt{3}$	1	1	0.58	0.58	∞
Modulation Response	7.2.1.3	3	N	1	1	1	3.00	3.00	∞
Readout Electronics	7.2.1.5	0.5	N	1	1	1	0.50	0.50	∞
Response Time	7.2.1.6	0	R	$\sqrt{3}$	1	1	0.00	0.00	∞
Integration Time	7.2.1.7	1.4	R	$\sqrt{3}$	1	1	0.81	0.81	∞
RF Ambient Conditions-Noise	7.2.3.7	3	R	$\sqrt{3}$	1	1	1.73	1.73	∞
RF Ambient Conditions-Reflection	7.2.3.7	3	R	$\sqrt{3}$	1	1	1.73	1.73	∞
Probe positioned mechanical Tolerance	7.2.2.1	1.4	R	$\sqrt{3}$	1	1	0.81	0.81	∞
Probe positioning with respect to phantom shell	7.2.2.3	1.4	R	$\sqrt{3}$	1	1	0.81	0.81	∞
Extrapolation interpolation and integration algorithms for Max.SAR evaluation	7.2.4	2.3	R	1	1	1	1.33	1.33	∞
Test sample related									
Test sample positioning	7.2.2.4.4	2.6	N	1	1	1	2.60	2.60	∞
Device holder uncertainty	7.2.2.4.2 7.2.2.4.3	3	N	1	1	1	3.00	3.00	∞
output power variation-SAR drift measurement	7.2.3.6	5	R	$\sqrt{3}$	1	1	2.89	2.89	∞
SAR scaling	7.2.5	2	R	$\sqrt{3}$	1	1	1.15	1.15	∞
Phantom and tissue parameters									
Phantom uncertainty (shape and thickness tolerances)	7.2.2.2	4	R	$\sqrt{3}$	1	1	2.31	2.31	∞
uncertainty in SAR correction for deviation (in permittivity and conductivity)	7.2.6	2	N	1	1	0.84	2.00	1.68	∞
Liquid conductivity (temperature uncertainty)	7.2.3.5	2.5	N	1	0.78	0.71	1.95	1.78	∞
Liquid conductivity -measurement uncertainty	7.2.3.3	4	N	1	0.23	0.26	0.92	1.04	∞
Liquid permittivity (temperature uncertainty)	7.2.3.5	2.5	N	1	0.78	0.71	1.95	1.78	∞
Liquid permittivity measurement uncertainty	7.2.3.4	5	N	1	0.23	0.26	1.15	1.30	∞
Combined standard uncertainty			RSS				10.83	10.54	
Expanded uncertainty (95%CONFIDENCEINTERVAL			k				21.26	21.08	

UNCERTAINTY FOR PERFORMANCE CHECK

Uncertainty Component	Description	Uncertainty Value(%)	Probably Distribution	Div.	(Ci) 1g	(Ci) 10g	Std. Unc. 1g(%)	Std. Unc. 10g(%)	v
Measurement system									
Probe calibration	7.2.1	5.8	N	1	1	1	5.8	5.8	∞
Axial isotropy	7.2.1.1	3.5	R	$\sqrt{3}$	$(1\text{-}C_p)^{1/2}$	$(1\text{-}C_p)^{1/2}$	1.43	1.43	∞
Hemispherical isotropy	7.2.1.1	5.9	R	$\sqrt{3}$	$\sqrt{C_p}$	$\sqrt{C_p}$	2.41	2.41	∞
Boundary Effects	7.2.1.4	1.00	R	$\sqrt{3}$	1	1	0.58	0.58	∞
Linearity	7.2.1.2	4.70	R	$\sqrt{3}$	1	1	2.71	2.71	∞
System detection limits	7.2.1.2	1	R	$\sqrt{3}$	1	1	0.58	0.58	∞
Modulation Response	7.2.1.3	3	N	1	1	1	0.00	0.00	∞
Readout Electronics	7.2.1.5	0.5	N	1	1	1	0.50	0.50	∞
Response Time	7.2.1.6	0	R	$\sqrt{3}$	1	1	0.00	0.00	∞
Integration Time	7.2.1.7	1.4	R	$\sqrt{3}$	1	1	0.81	0.81	∞
RF Ambient Conditions-Noise	7.2.3.7	3	R	$\sqrt{3}$	1	1	1.73	1.73	∞
RF Ambient Conditions-Reflection	7.2.3.7	3	R	$\sqrt{3}$	1	1	1.73	1.73	∞
Probe positioned mechanical Tolerance	7.2.2.1	1.4	R	$\sqrt{3}$	1	1	0.81	0.81	∞
Probe positioning with respect to phantom shell	7.2.2.3	1.4	R	$\sqrt{3}$	1	1	0.81	0.81	∞
Extrapolation interpolation and integration algorithms for Max.SAR evaluation	7.2.4	2.3	R	1	1	1	1.33	1.33	∞
Dipole									
Deviation of experimental source from numerical source		4	N	1	1	1	4.00	4.00	∞
Input power and SAR drift measurement	7.2.3.6	5	R	$\sqrt{3}$	1	1	2.89	2.89	∞
Dipole axis to liquid distance		2	R	$\sqrt{3}$	1	1			∞
Phantom and tissue parameters									
Phantom uncertainty (shape and thickness tolerances)	7.2.2.2	4	R	$\sqrt{3}$	1	1	2.31	2.31	∞
uncertainty in SAR correction for deviation (in permittivity and conductivity)	7.2.6	2	N	1	1	0.84	2.00	1.68	∞
Liquid conductivity (temperature uncertainty)	7.2.3.5	2.5	N	1	0.78	0.71	1.95	1.78	∞
Liquid conductivity -measurement uncertainty	7.2.3.3	4	N	1	0.23	0.26	0.92	1.04	∞
Liquid permittivity (temperature uncertainty)	7.2.3.5	2.5	N	1	0.78	0.71	1.95	1.78	∞
Liquid permittivity measurement uncertainty	7.2.3.4	5	N	1	0.23	0.26	1.15	1.30	∞
Combined standard uncertainty			RSS				10.15	10.05	
Expanded uncertainty (95%CONFIDENCEINTERVAL			k				20.29	20.10	

10.5. Test Equipment List

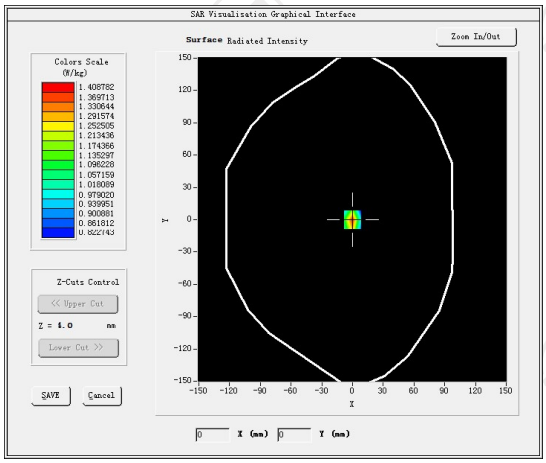
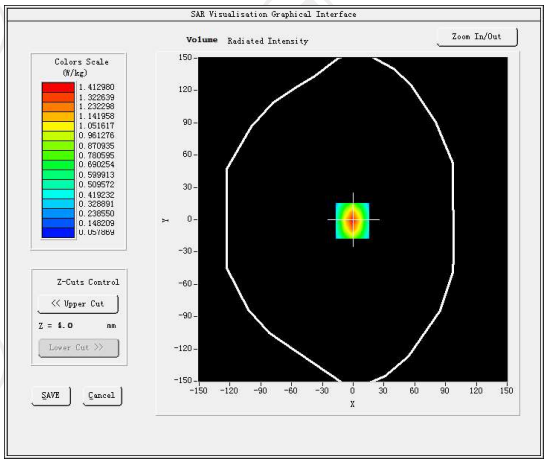
Test Equipment	Manufacturer	Model	Serial Number	Calibration	
				Calibration Date (D.M.Y)	Calibration Due (D.M.Y)
PC	Lenovo	H3050	N/A	N/A	N/A
Signal Generator	Angilent	N5182A	MY47070282	Jun. 08, 2022	Jun. 07, 2023
Multimeter	Keithley	Multimeter 2000	4078275	Jun. 08, 2022	Jun. 07, 2023
Network Analyzer	Agilent	8753E	US38432457	Jun. 08, 2022	Jun. 07, 2023
Wireless Communication Test Set	R & S	CMU200	111382	Jun. 08, 2022	Jun. 07, 2023
Wideband Radio Communication Tester	R&S	CMW500	114220	Jun. 08, 2022	Jun. 07, 2023
Power Meter	Agilent	E4418B	GB43312526	Jun. 08, 2022	Jun. 07, 2023
Power Meter	Agilent	E4416A	MY45101555	Jun. 08, 2022	Jun. 07, 2023
Power Meter	Agilent	N1912A	MY50001018	Jun. 08, 2022	Jun. 07, 2023
Power Sensor	Agilent	E9301A	MY41497725	Jun. 08, 2022	Jun. 07, 2023
Power Sensor	Agilent	E9327A	MY44421198	Jun. 08, 2022	Jun. 07, 2023
Power Sensor	Agilent	E9323A	MY53070005	Jun. 08, 2022	Jun. 07, 2023
Power Amplifier	PE	PE15A4019	112342	N/A	N/A
Directional Coupler	Agilent	722D	MY52180104	N/A	N/A
Attenuator	Chensheng	FF779	134251	N/A	N/A
E-Field PROBE	MVG	SSE2	SN 36/20 EPGO346	Oct. 08, 2022	Oct. 07, 2023
DIPOLE 750	MVG	SID750	SN 16/15 DIP 0G750-368	Jun. 05, 2021	Jun. 04, 2024
DIPOLE 835	MVG	SID835	SN 16/15 DIP 0G835-369	Jun. 05, 2022	Jun. 04, 2023
DIPOLE 1800	MVG	SID 1800	SN 16/15 DIP 1G800-371	Jun. 05, 2022	Jun. 04, 2023
DIPOLE 1900	MVG	SID1900	SN 16/15 DIP 1G900-372	Jun. 05, 2022	Jun. 04, 2023
DIPOLE 2450	MVG	SID 2450	SN 16/15 DIP 2G450-374	Jun. 05, 2022	Jun. 04, 2023
DIPOLE 2600	MVG	SID 2600	SN 16/15 DIP 2G600-375	Jun. 05, 2022	Jun. 04, 2023
DIPOLE 5200-5800	MVG	SID 5000	SN 13/14 WGA32	May 15, 2022	May 14, 2023
Limesar Dielectric Probe	MVG	SCLMP	SN 19/15 OCPG71	Jun. 05, 2022	Jun. 04, 2023
Communication Antenna	MVG	ANTA59	SN 39/14 ANTA59	N/A	N/A
Mobile Phone Position Device	MVG	MSH101	SN 19/15 MSH101	N/A	N/A
Dummy Probe	MVG	DP66	SN 13/15 DP66	N/A	N/A
SAM PHANTOM	MVG	SAM120	SN 19/15 SAM120	N/A	N/A
PHANTOM TABLE	MVG	TABP101	SN 19/15 TABP101	N/A	N/A
Robot TABLE	MVG	TABP61	SN 19/15 TABP61	N/A	N/A
6 AXIS ROBOT	KUKA	KR6-R900	501822	N/A	N/A

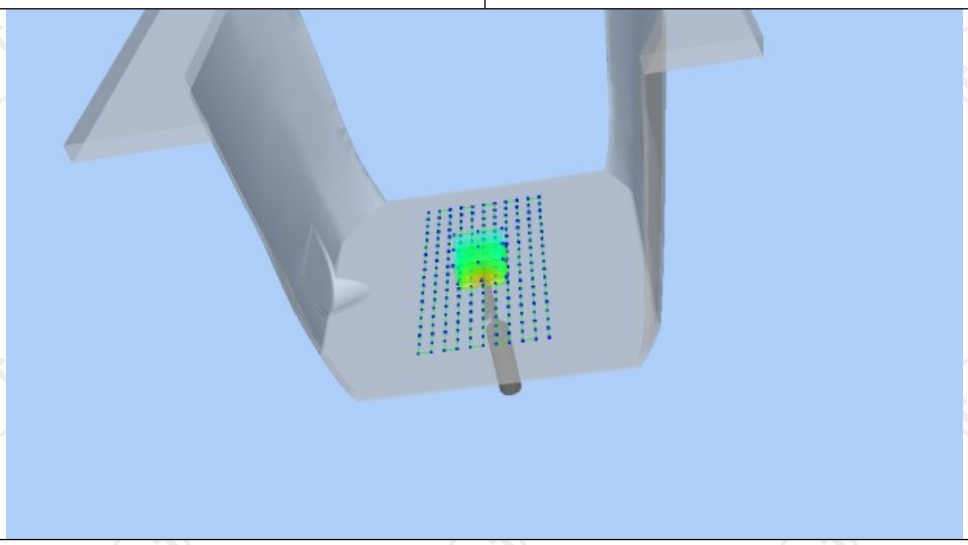
Note: *1.N/A means this equipment no need to calibrate*
2.Each Time means this device need to calibrate every use time
3. The dipole was not damaged properly repaired.
4. The measured SAR deviates from the calibrated SAR value by less than 10%
5. The most recent return-loss result meets the required 20 dB minimum return-loss requirement
6. The most recent measurement of the real or imaginary parts of the impedance deviates by less than 5 Ω from the previous measurement.

11. System Check Results

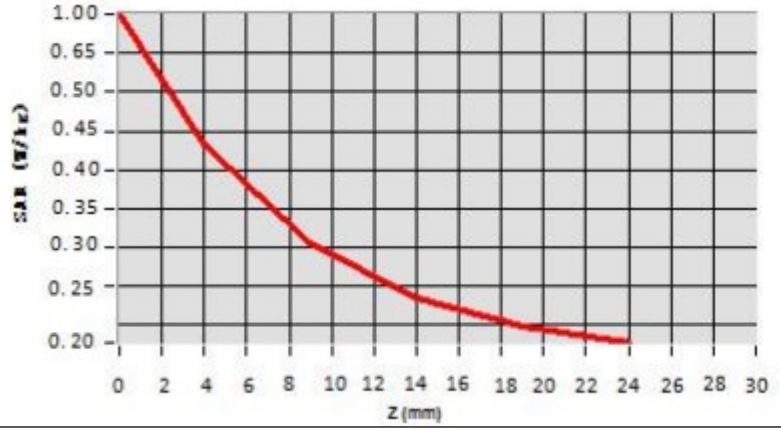
Date of measurement: 03/06/2023 Test mode: 750 (Body)
Product Description: Validation
Dipole Model: SID750
E-Field Probe: SSE2 (SN 36/20 EPGO346)

Phantom	Validation plane
Input Power	100mW
Crest Factor	1.0
Probe Conversion factor	1.78
Frequency (MHz)	750.000000
Relative permittivity (real part)	56.121166
Relative permittivity (imaginary part)	20.148160
Conductivity (S/m)	0.921243
Variation (%)	-0.150000
SAR 10g (W/Kg)	0.602014
SAR 1g (W/Kg)	0.872441

SURFACE SAR	**VOLUME SAR**
	



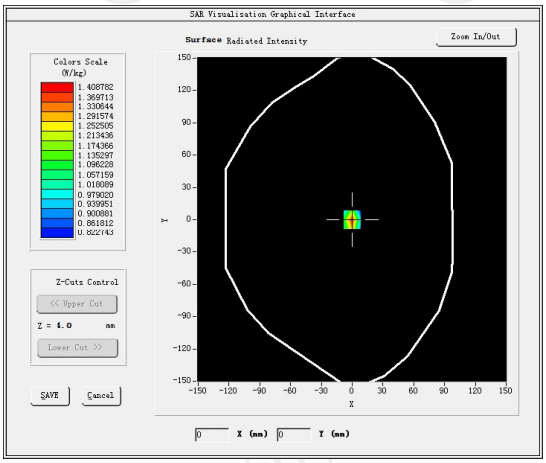
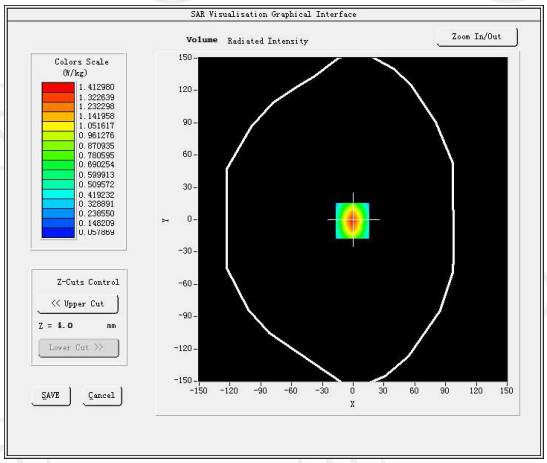
Z (mm)	0.00	4.00	9.00	14.00	19.00
SAR (W/Kg)	1.014	0.4420	0.3029	0.2419	0.2240

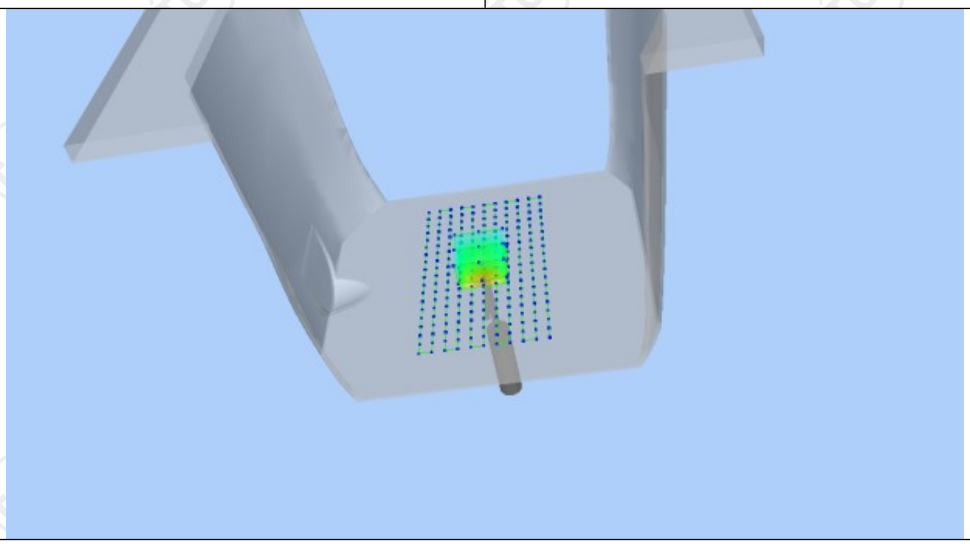


Hot spot position

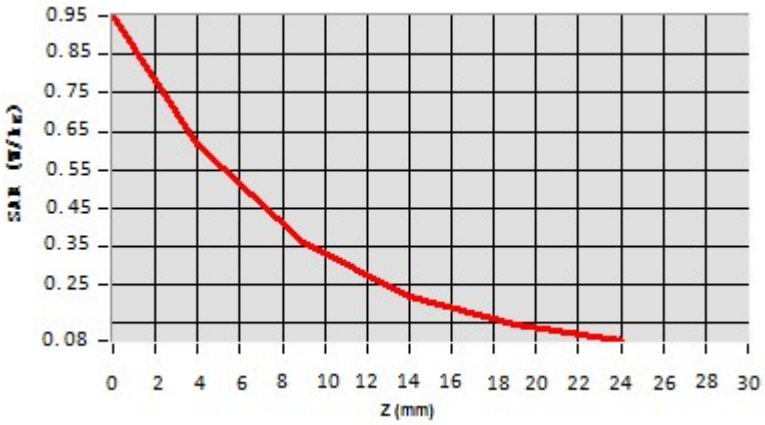
Date of measurement: 03/06/2023 Test mode: 835 (Body)
Product Description: Validation
Dipole Model: SID835
E-Field Probe: SSE2 (SN 36/20 EPGO346)

Phantom	Validation plane
Input Power	100mW
Crest Factor	8.0
Probe Conversion factor	1.86
Frequency (MHz)	835.000000
Relative permittivity (real part)	55.242077
Relative permittivity (imaginary part)	21.378187
Conductivity (S/m)	0.938883
Variation (%)	-0.150000
SAR 10g (W/Kg)	**0.633123**
SAR 1g (W/Kg)	**0.949446**

SURFACE SAR	**VOLUME SAR**
	



Z (mm)	0.00	4.00	9.00	14.00	19.00
SAR (W/Kg)	0.9625	0.6022	0.3594	0.2202	0.0725

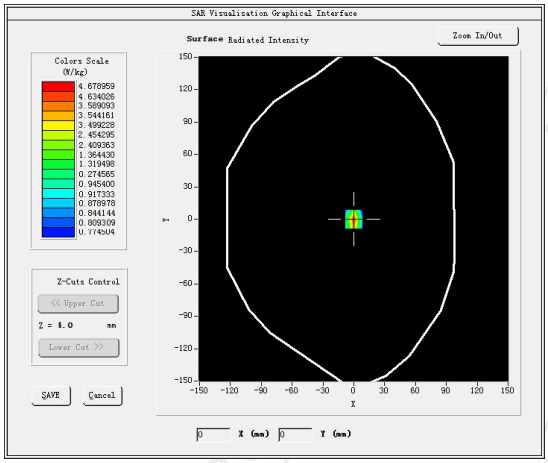
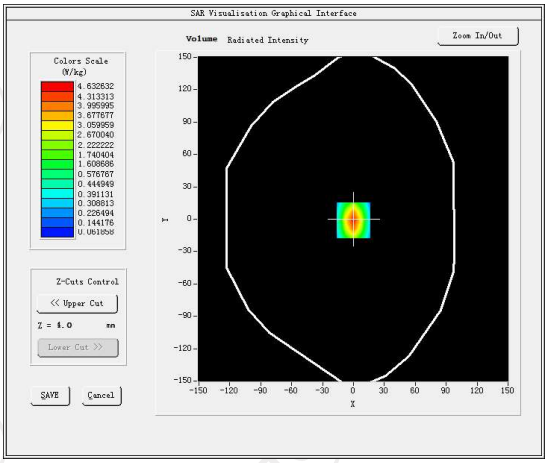


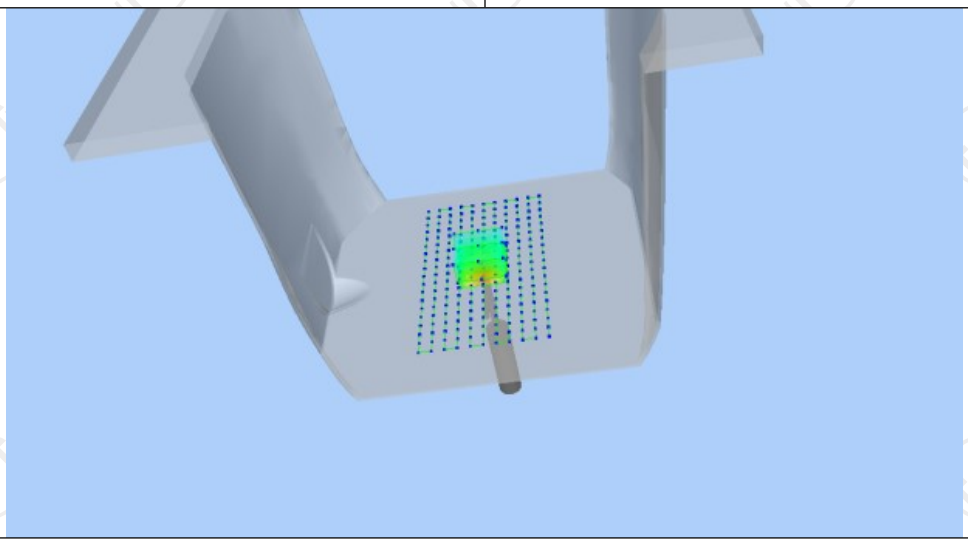
Hot spot position

Hotline: 400-6611-140 Tel: 86-755-27673339 Fax: 86-755-27673332 http://www.tct-lab.com

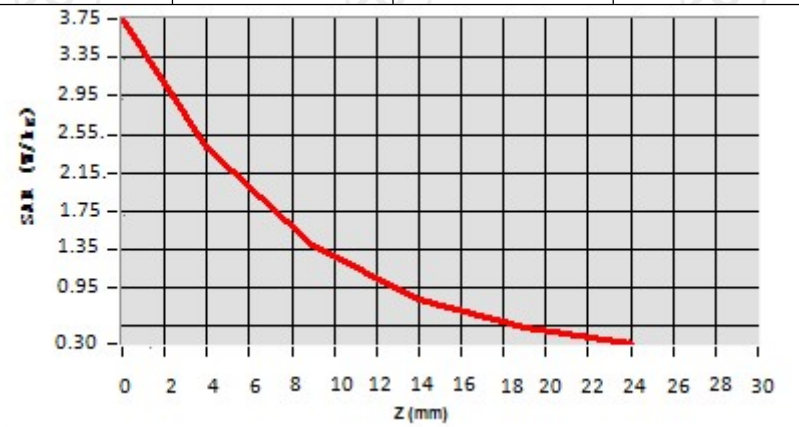
Date of measurement: 03/07/2023 Test mode: 1800MHz (Body)
Product Description: Validation
Dipole Model: SID1800
E-Field Probe: SSE2 (SN 36/20 EPGO346)

Phantom	Validation plane
Input Power	100mW
Crest Factor	1.0
Probe Conversion factor	2.16
Frequency (MHz)	1800.000000
Relative permittivity (real part)	53.292699
Relative permittivity (imaginary part)	15.200000
Conductivity (S/m)	1.530000
Variation (%)	3.050000
SAR 10g (W/Kg)	**2.053687**
SAR 1g (W/Kg)	**3.782547**

SURFACE SAR	**VOLUME SAR**
	



Z (mm)	0.00	4.00	9.00	14.00	19.00
SAR (W/Kg)	3.7545	2.4524	1.3520	0.8214	0.5525

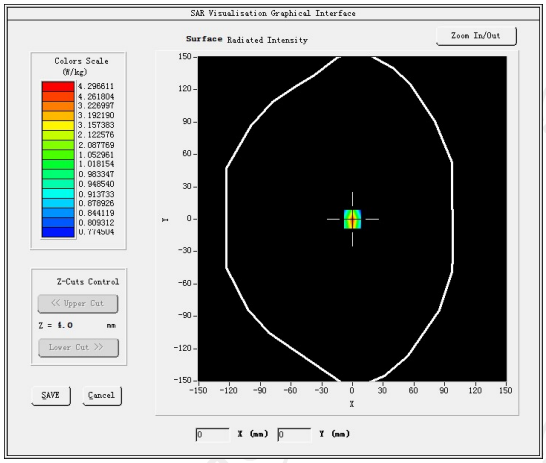


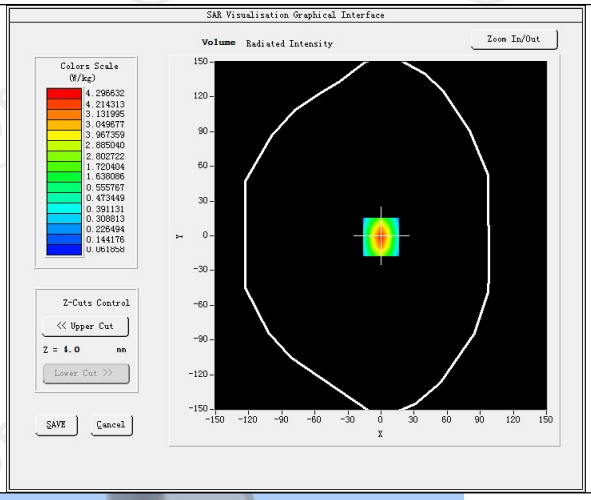
Hot spot position

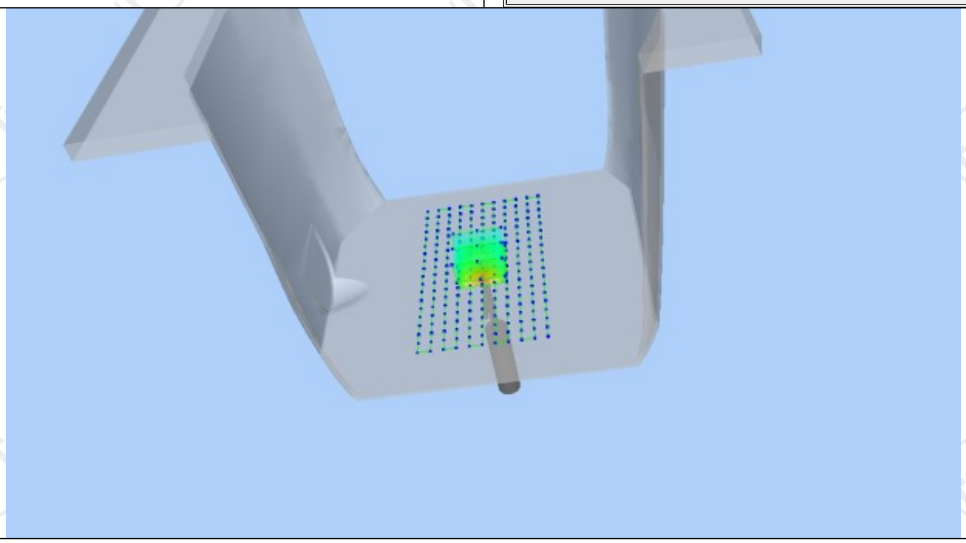
Date of measurement: 03/07/2023 Test mode: 1900MHz (Body)
Product Description: Validation
Dipole Model: SID1900
E-Field Probe: SSE2 (SN 36/20 EPGO346)

Phantom	Validation plane
Input Power	100mW
Crest Factor	8.0
Probe Conversion factor	2.32
Frequency (MHz)	1900.000000
Relative permittivity (real part)	52.230999
Relative permittivity (imaginary part)	14.329440
Conductivity (S/m)	1.580354
Variation (%)	1.250000
SAR 10g (W/Kg)	**1.994255**
SAR 1g (W/Kg)	**3.766112**

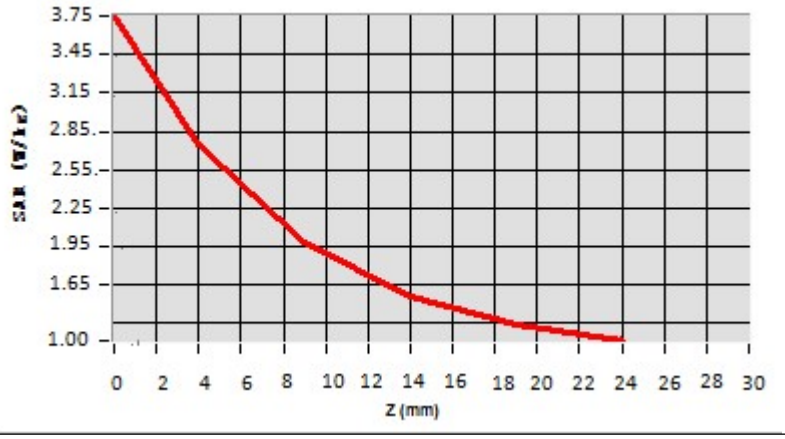
SURFACE SAR	**VOLUME SAR**







Z (mm)	0.00	4.00	9.00	14.00	19.00
SAR (W/Kg)	3.7752	2.7154	1.9525	1.5694	0.9014

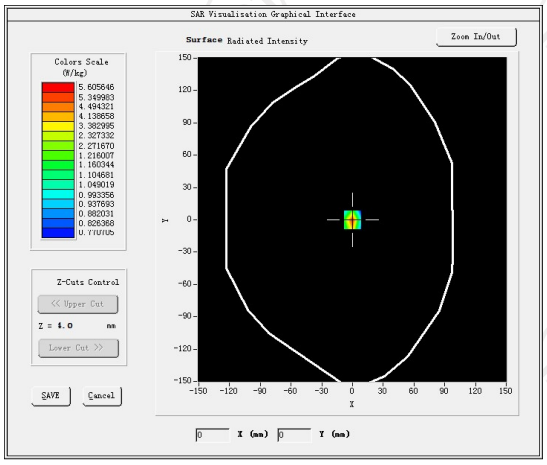


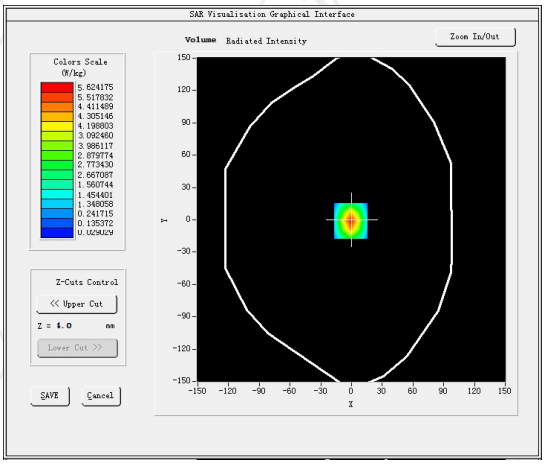
Hot spot position

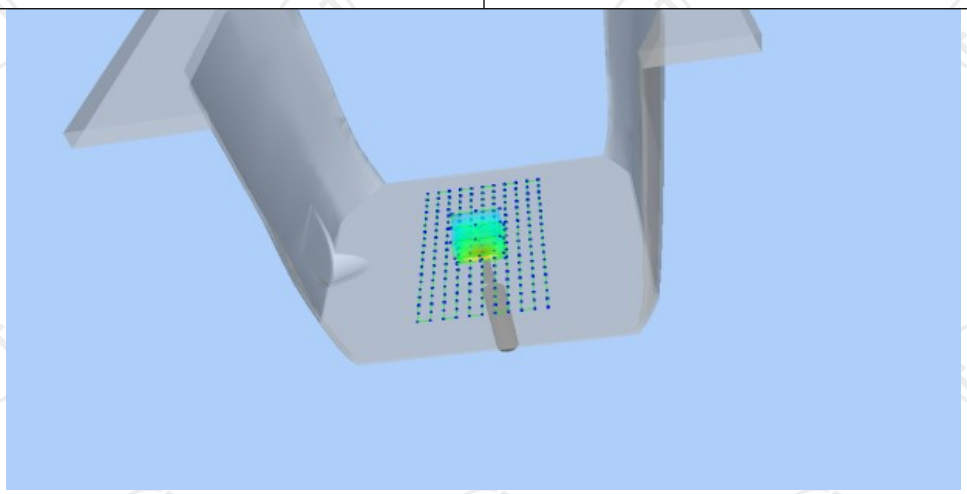
Date of measurement: 03/08/2023 Test mode: 2450MHz (Body)
Product Description: Validation
Dipole Model: SID2450
E-Field Probe: SSE2 (SN 36/20 EPGO346)

Phantom	Validation plane
Input Power	100mW
Crest Factor	1.0
Probe Conversion factor	2.37
Frequency (MHz)	2450.000000
Relative permittivity (real part)	51.921199
Relative permittivity (imaginary part)	14.930150
Conductivity (S/m)	2.012159
Variation (%)	-0.230000
SAR 10g (W/Kg)	**2.416669**
SAR 1g (W/Kg)	**5.066368**

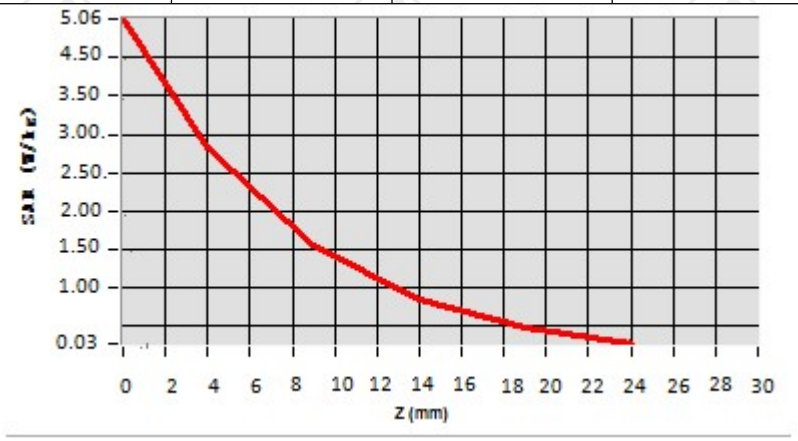
SURFACE SAR	**VOLUME SAR**







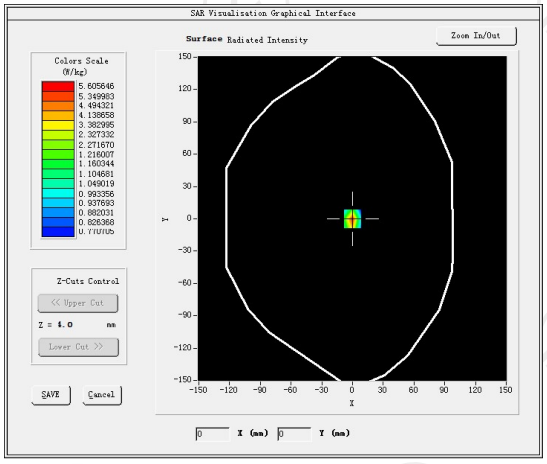
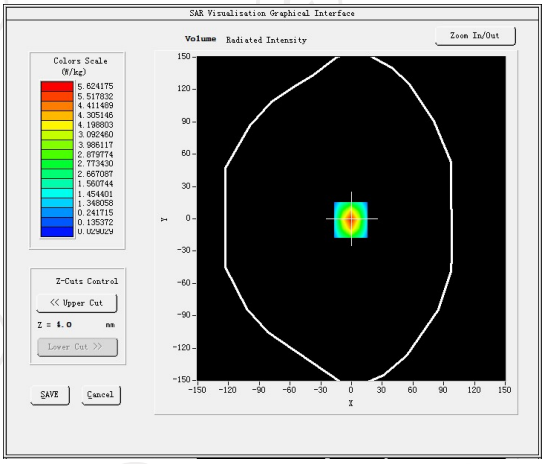
Z (mm)	0.00	4.00	9.00	14.00	19.00
SAR (W/Kg)	5.0622	2.7984	1.5251	0.8352	0.4200

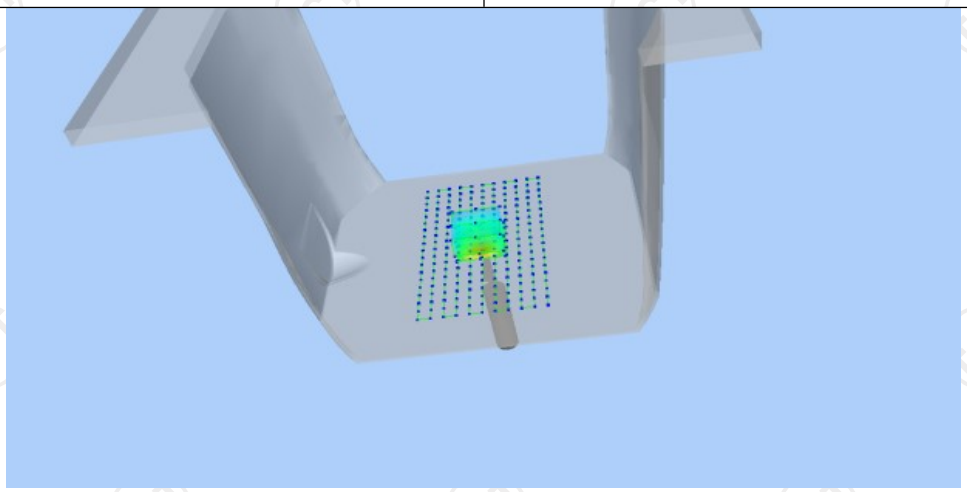


Hot spot position

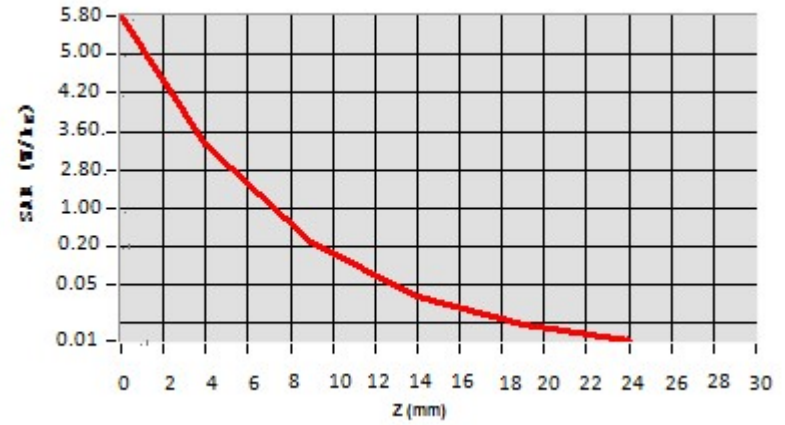
Date of measurement: 03/08/2023 Test mode: 2600MHz (Body)
Product Description: Validation
Dipole Model: SID2600
E-Field Probe: SSE2 (SN 36/20 EPGO346)

Phantom	Validation plane
Input Power	100mW
Crest Factor	1.0
Probe Conversion factor	2.23
Frequency (MHz)	2600.000000
Relative permittivity (real part)	51.830887
Relative permittivity (imaginary part)	14.935214
Conductivity (S/m)	2.134821
Variation (%)	-1.800000
SAR 10g (W/Kg)	**2.382177**
SAR 1g (W/Kg)	**5.365098**

SURFACE SAR	**VOLUME SAR**
	



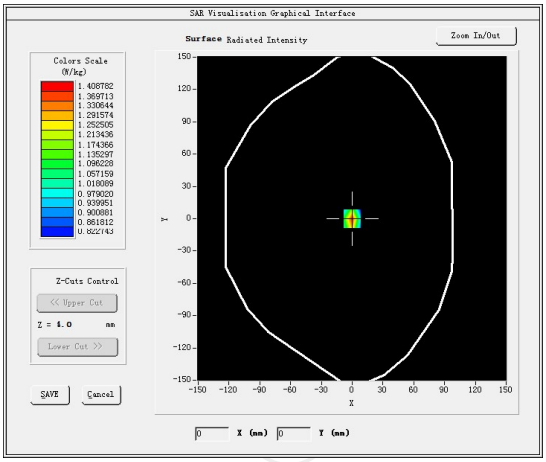
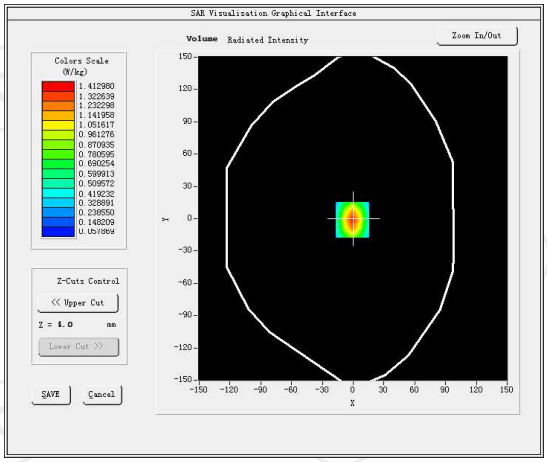
Z (mm)	0.00	4.00	9.00	14.00	19.00
SAR (W/Kg)	5.7721	3.2210	0.1937	0.0321	0.0203

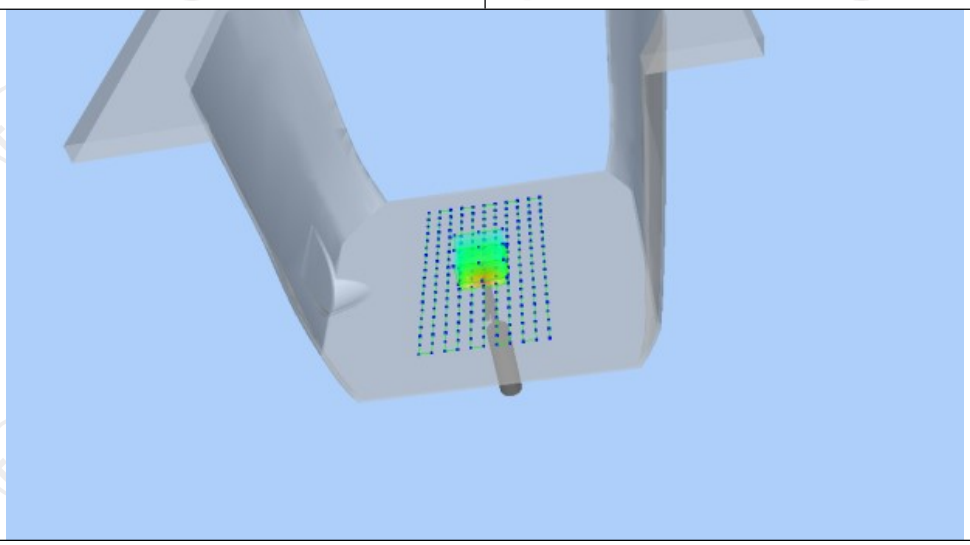


Hot spot position

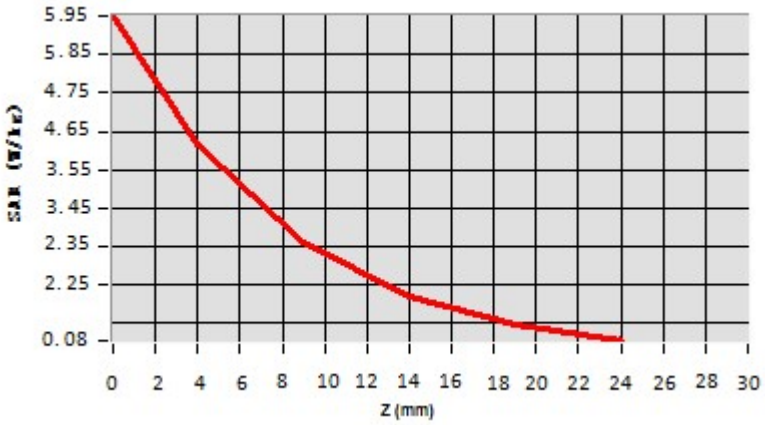
Date of measurement: 03/09/2023 Test mode: 5200 (Body)
Product Description: Validation
Dipole Model: SID5000
E-Field Probe: SSE2 (SN 36/20 EPGO346)

Phantom	Validation plane
Input Power	100mW
Crest Factor	1.0
Probe Conversion factor	2.08
Frequency (MHz)	5200.000000
Relative permittivity (real part)	49.522077
Relative permittivity (imaginary part)	21.378187
Conductivity (S/m)	5.403883
Variation (%)	-3.140000
SAR 10g (W/Kg)	**5.513123**
SAR 1g (W/Kg)	**15.472446**

SURFACE SAR	**VOLUME SAR**
	



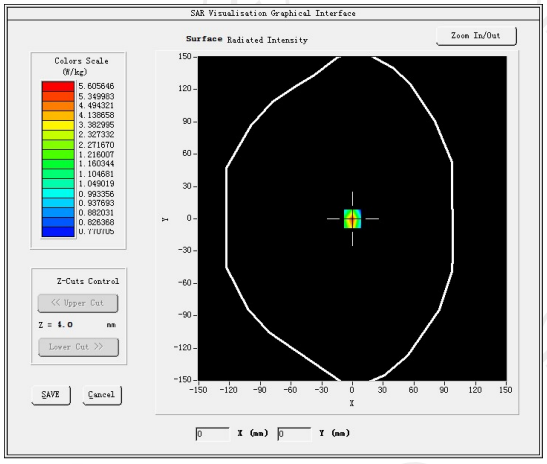
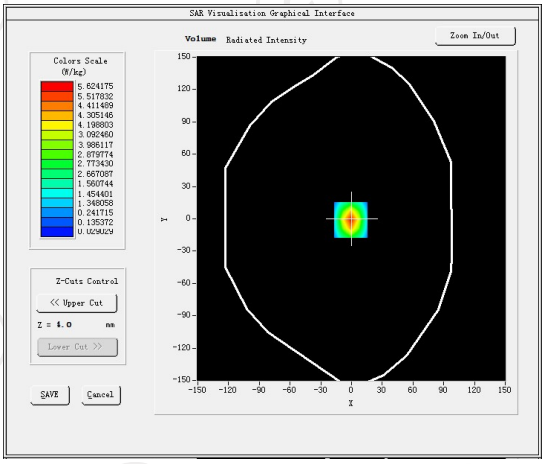
Z (mm)	0.00	4.00	9.00	14.00	19.00
SAR (W/Kg)	5.9525	0.6022	0.3594	0.2202	0.0725

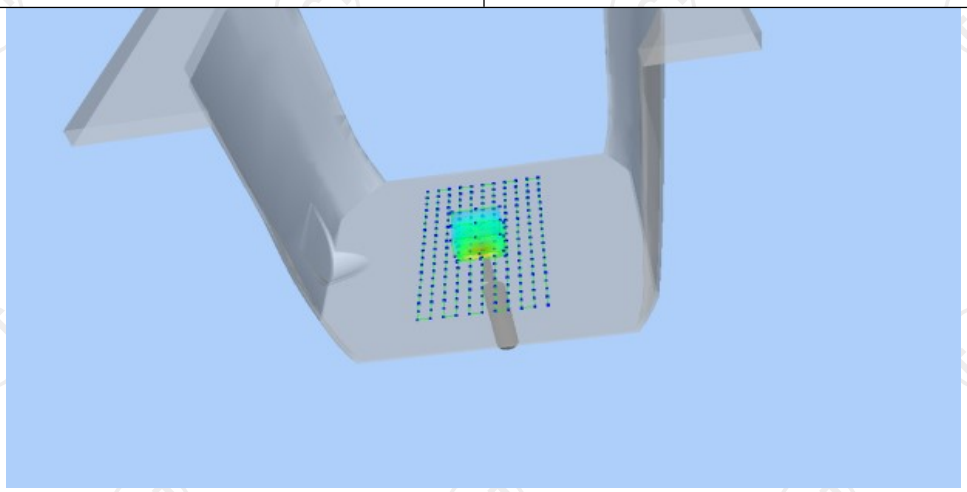


Hot spot position

Date of measurement: 03/09/2023 Test mode: 5800MHz (Body)
Product Description: Validation
Dipole Model: SID5000
E-Field Probe: SSE2 (SN 36/20 EPGO346)

Phantom	Validation plane
Input Power	100mW
Crest Factor	1.0
Probe Conversion factor	2.13
Frequency (MHz)	5800.000000
Relative permittivity (real part)	47.593887
Relative permittivity (imaginary part)	14.935214
Conductivity (S/m)	5.954821
Variation (%)	-1.420000
SAR 10g (W/Kg)	**6.182177**
SAR 1g (W/Kg)	**18.304098**

SURFACE SAR	**VOLUME SAR**
	



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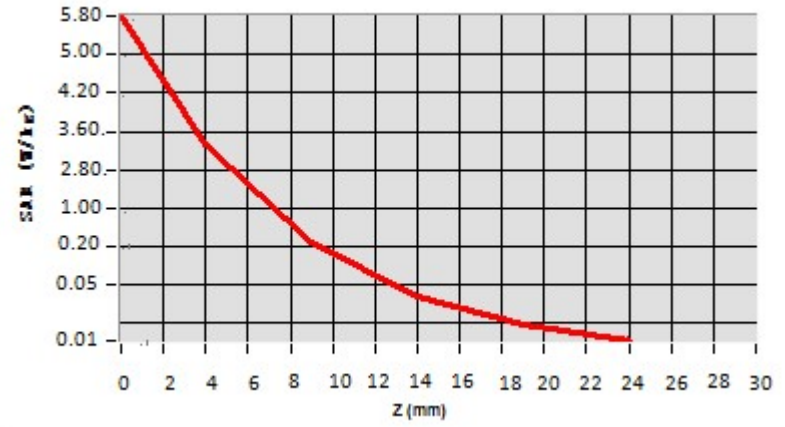
Z (mm)	0.00	4.00	9.00	14.00	19.00
SAR (W/Kg)	5.7721	3.2210	0.1937	0.0321	0.0203



Hot spot position

12. SAR Test Data

SAR Measurement at GPRS850 (Cheek, Right)

Date of measurement: 6/3/2023

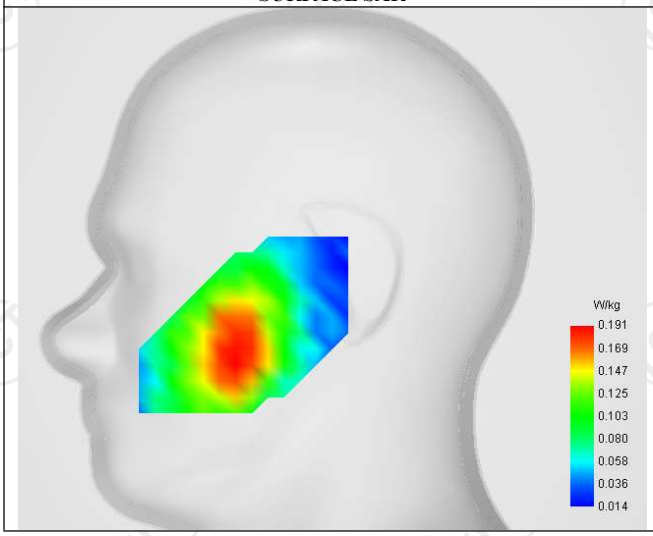
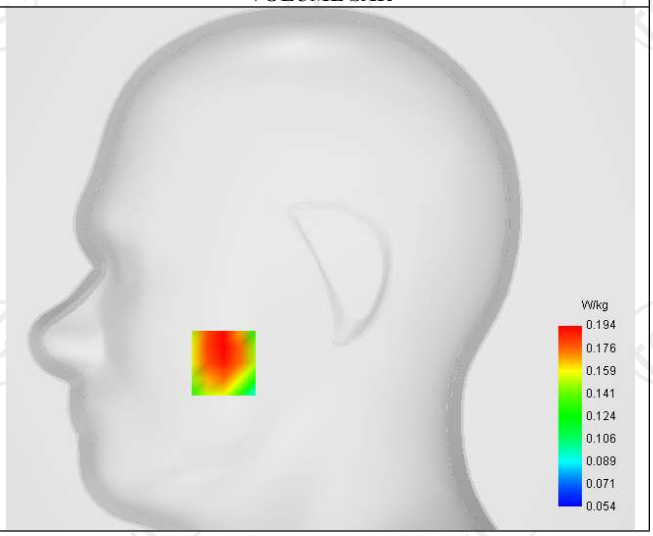
A. Experimental conditions.

Probe	SN 36/20 EPGO346
ConvF	1.86
Area Scan	sam_direct_droit2_surf8mm.txt
Zoom Scan	5x5x7,dx=8mm dy=8mm dz=5mm,Complete
Phantom	Right head
Device Position	Cheek
Band	GPRS850
Channels	Middle (190)
Signal	TDMA (GPRS)
Modulation	GMSK (CS-1)
TX-slots	4

B. Permitivity

Frequency (MHz)	836.600
Relative permitivity (real part)	55.241
Relative permitivity (imaginary part)	21.378
Conductivity (S/m)	0.939

C. SAR Surface and Volume

SURFACE SAR	VOLUME SAR
	

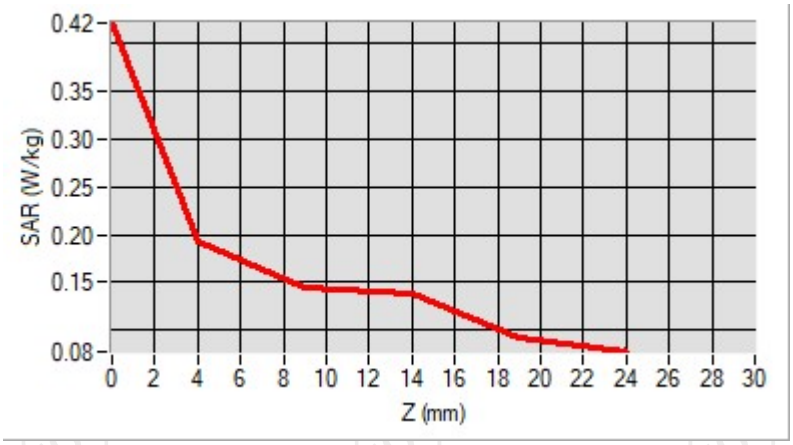
Maximum location: X=-48.00, Y=-47.00 ; SAR Peak: 0.21 W/kg

D. SAR 1g & 10g

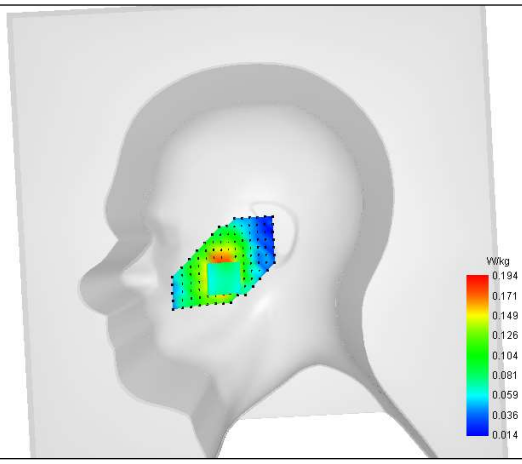
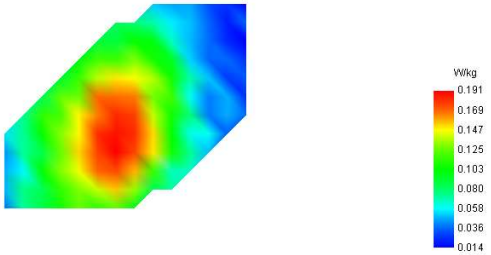
SAR 10g (W/Kg)	0.153
SAR 1g (W/Kg)	0.195
Variation (%)	-0.060
Horizontal validation criteria: minimum distance (mm)	0.000000
Vertical validation criteria: SAR ratio M2/M1 (%)	0.000000

E. Z Axis Scan

Z (mm)	0.00	4.00	9.00	14.00	19.00
SAR (W/Kg)	0.421	0.194	0.145	0.139	0.093



F. 3D Image

3D screen shot	Hot spot position
	

SAR Measurement at GPRS850 (Body, Validation Plane)

Date of measurement: 6/3/2023

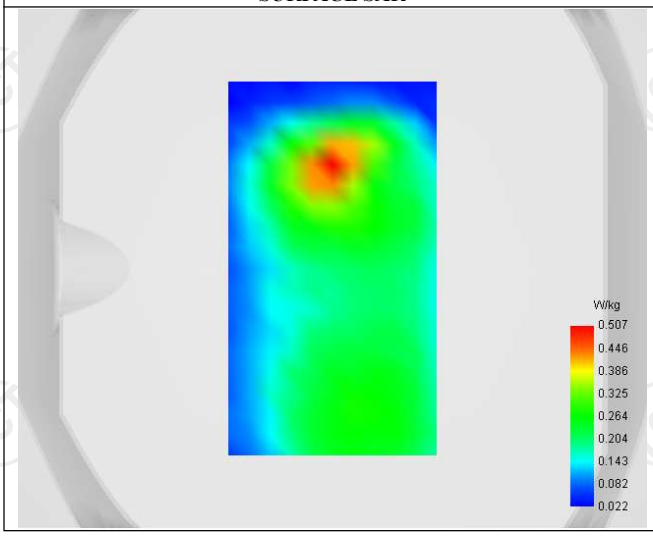
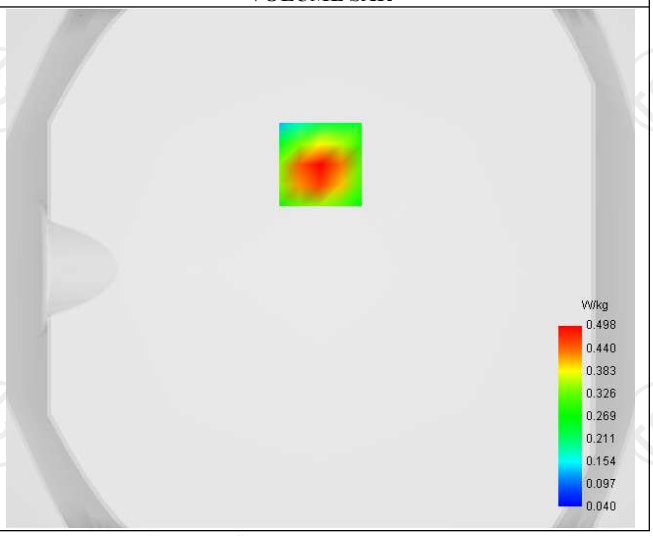
A. Experimental conditions.

Probe	SN 36/20 EPGO346
ConvF	1.86
Area Scan	surf_sam_plan.txt
Zoom Scan	5x5x7,dx=8mm dy=8mm dz=5mm,Complete
Phantom	Validation plane
Device Position	Body
Band	GPRS850
Channels	Middle (190)
Signal	TDMA (GPRS)
Modulation	GMSK (CS-1)
TX-slots	4

B. Permitivity

Frequency (MHz)	836.600
Relative permitivity (real part)	55.241
Relative permitivity (imaginary part)	21.378
Conductivity (S/m)	0.939

C. SAR Surface and Volume

SURFACE SAR	VOLUME SAR
	

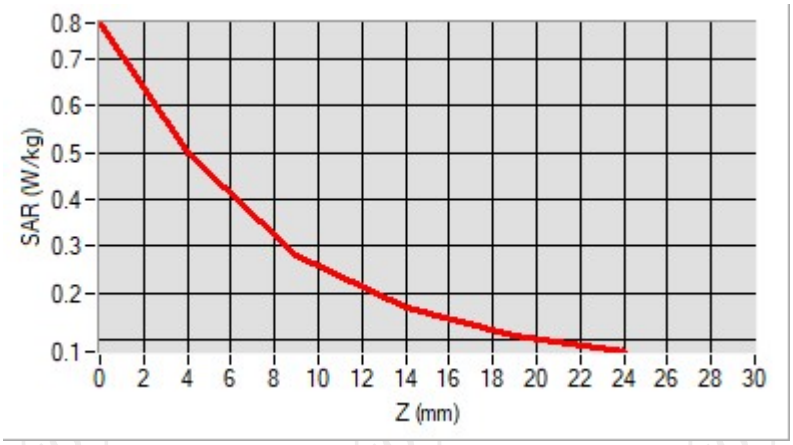
Maximum location: X=0.00, Y=40.00 ; SAR Peak: 0.78 W/kg

D. SAR 1g & 10g

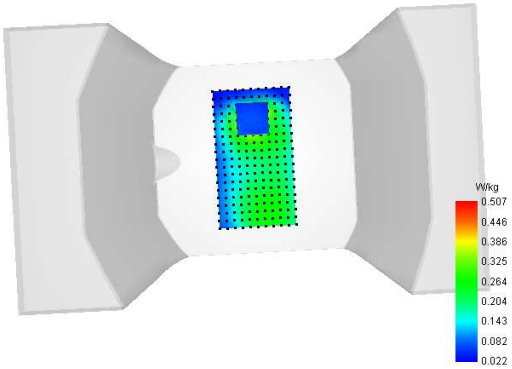
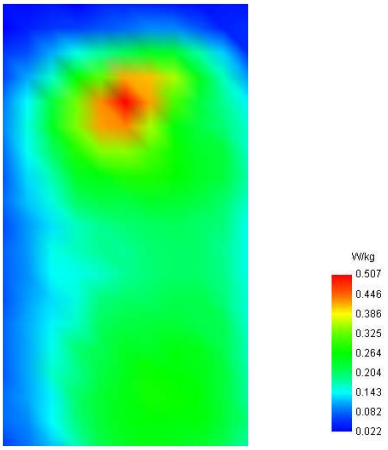
SAR 10g (W/Kg)	0.277
SAR 1g (W/Kg)	0.490
Variation (%)	-1.060
Horizontal validation criteria: minimum distance (mm)	0.000000
Vertical validation criteria: SAR ratio M2/M1 (%)	0.000000

E. Z Axis Scan

Z (mm)	0.00	4.00	9.00	14.00	19.00
SAR (W/Kg)	0.777	0.498	0.282	0.167	0.109



F. 3D Image

3D screen shot	Hot spot position
	

SAR Measurement at GPRS1900 (Cheek, Right)

Date of measurement: 7/3/2023

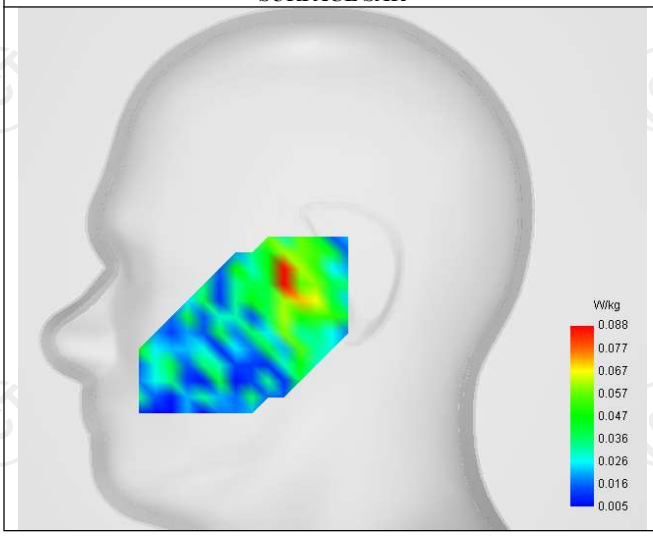
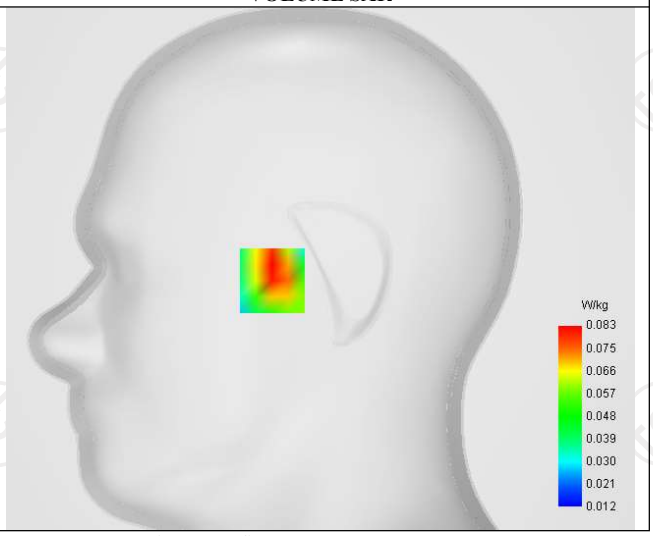
A. Experimental conditions.

Probe	SN 36/20 EPGO346
ConvF	2.32
Area Scan	sam_direct_droit2_surf8mm.txt
Zoom Scan	5x5x7,dx=8mm dy=8mm dz=5mm,Complete
Phantom	Right head
Device Position	Cheek
Band	GPRS1900
Channels	Middle (661)
Signal	TDMA (GPRS)
Modulation	GMSK (CS-1)
TX-slots	4

B. Permitivity

Frequency (MHz)	1880.000
Relative permitivity (real part)	52.253
Relative permitivity (imaginary part)	14.329
Conductivity (S/m)	1.561

C. SAR Surface and Volume

SURFACE SAR	VOLUME SAR
	

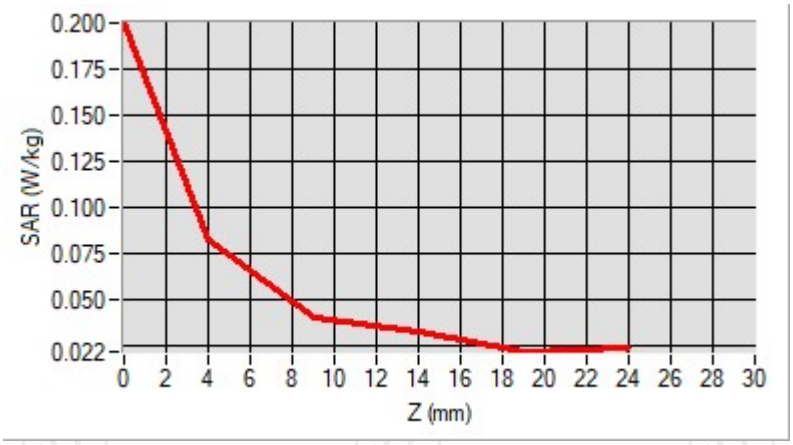
Maximum location: X=-24.00, Y=-6.00 ; SAR Peak: 0.14 W/kg

D. SAR 1g & 10g

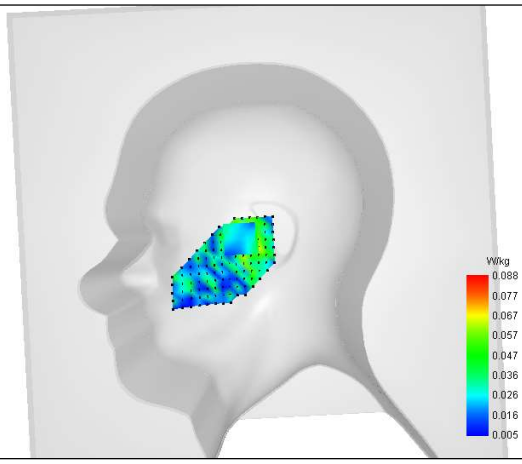
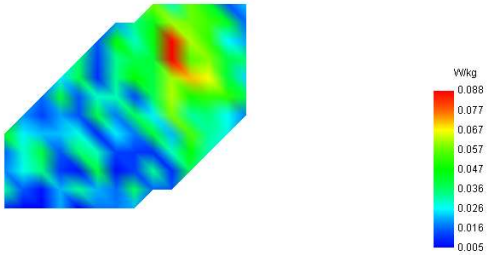
SAR 10g (W/Kg)	0.053
SAR 1g (W/Kg)	0.082
Variation (%)	1.210
Horizontal validation criteria: minimum distance (mm)	0.000000
Vertical validation criteria: SAR ratio M2/M1 (%)	0.000000

E. Z Axis Scan

Z (mm)	0.00	4.00	9.00	14.00	19.00
SAR (W/Kg)	0.200	0.083	0.041	0.033	0.022



F. 3D Image

3D screen shot	Hot spot position
	

SAR Measurement at GPRS1900 (Body, Validation Plane)

Date of measurement: 7/3/2023

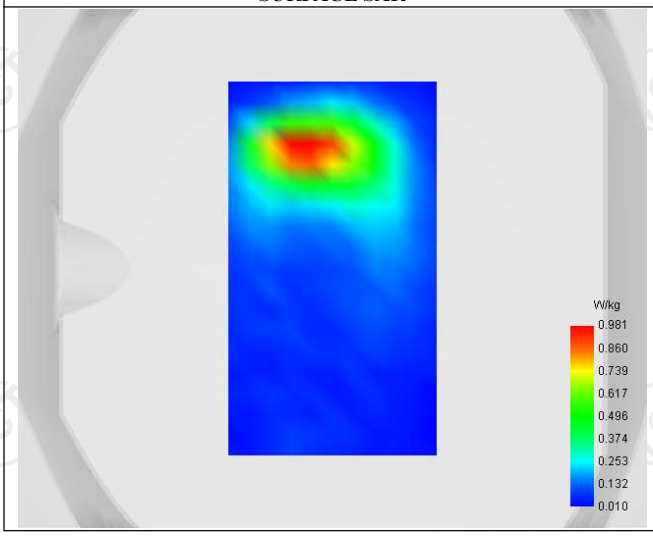
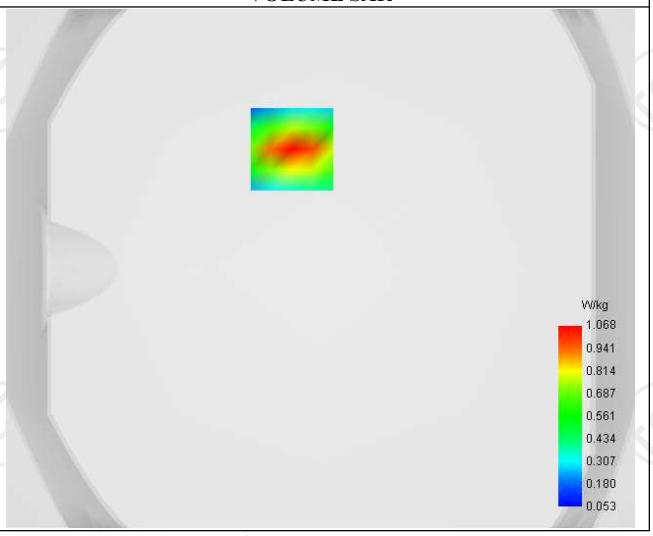
A. Experimental conditions.

Probe	SN 36/20 EPGO346
ConvF	2.32
Area Scan	surf_sam_plan.txt
Zoom Scan	5x5x7,dx=8mm dy=8mm dz=5mm,Complete
Phantom	Validation plane
Device Position	Body
Band	GPRS1900
Channels	Middle (661)
Signal	TDMA (GPRS)
Modulation	GMSK (CS-1)
TX-slots	4

B. Permitivity

Frequency (MHz)	1880.000
Relative permitivity (real part)	52.253
Relative permitivity (imaginary part)	14.329
Conductivity (S/m)	1.561

C. SAR Surface and Volume

SURFACE SAR	VOLUME SAR
	

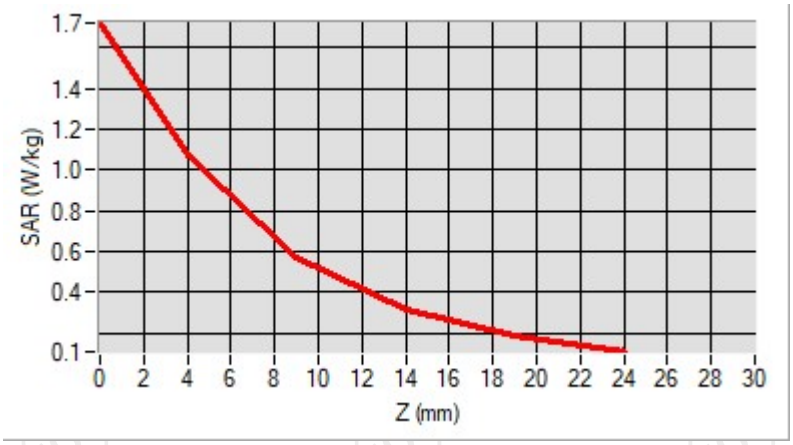
Maximum location: X=-11.00, Y=46.00 ; SAR Peak: 1.72 W/kg

D. SAR 1g & 10g

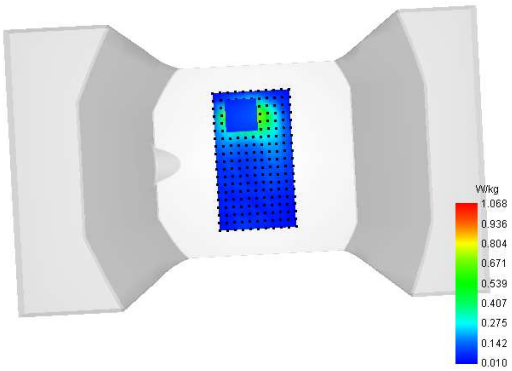
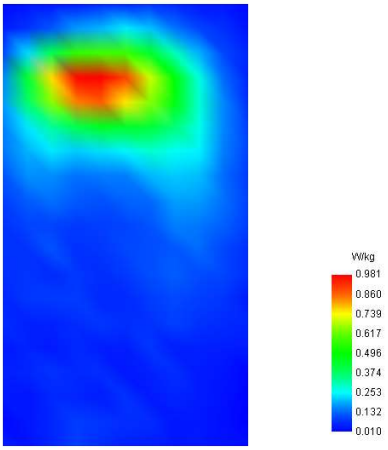
SAR 10g (W/Kg)	0.522
SAR 1g (W/Kg)	0.989
Variation (%)	-3.880
Horizontal validation criteria: minimum distance (mm)	0.000000
Vertical validation criteria: SAR ratio M2/M1 (%)	0.000000

E. Z Axis Scan

Z (mm)	0.00	4.00	9.00	14.00	19.00
SAR (W/Kg)	1.720	1.068	0.573	0.312	0.183



F. 3D Image

3D screen shot	Hot spot position
	

SAR Measurement at Band 2 (1900) (Cheek, Right)

Date of measurement: 7/3/2023

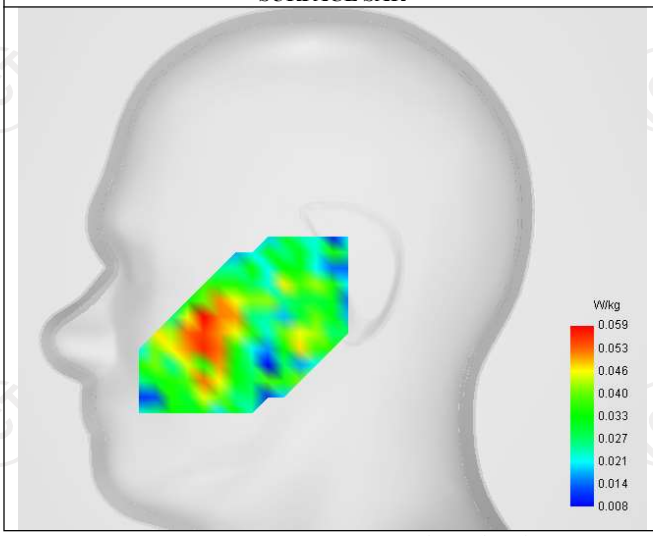
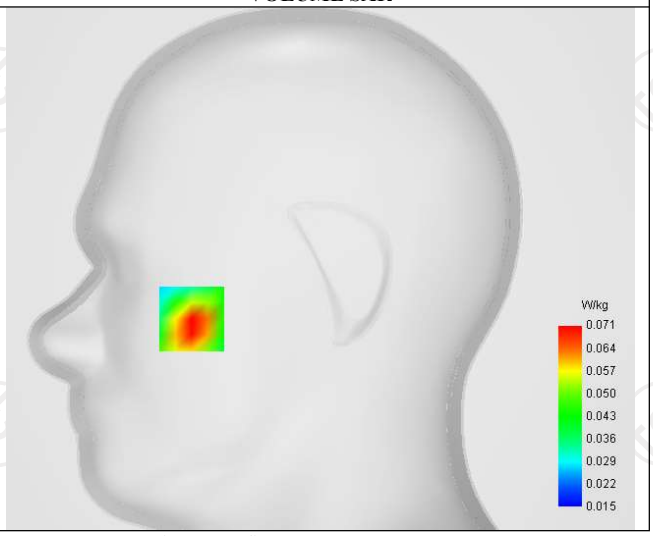
A. Experimental conditions.

Probe	SN 36/20 EPGO346
ConvF	2.32
Area Scan	sam_direct_droit2_surf8mm.txt
Zoom Scan	5x5x7,dx=8mm dy=8mm dz=5mm,Complete
Phantom	Right head
Device Position	Cheek
Band	Band 2 (1900)
Channels	Middle (9400)
Signal	WCDMA
Mode	Release 99
Connection Type	RMC, 12.2 kbps

B. Permitivity

Frequency (MHz)	1880.000
Relative permitivity (real part)	52.253
Relative permitivity (imaginary part)	14.329
Conductivity (S/m)	1.561

C. SAR Surface and Volume

SURFACE SAR	VOLUME SAR
	

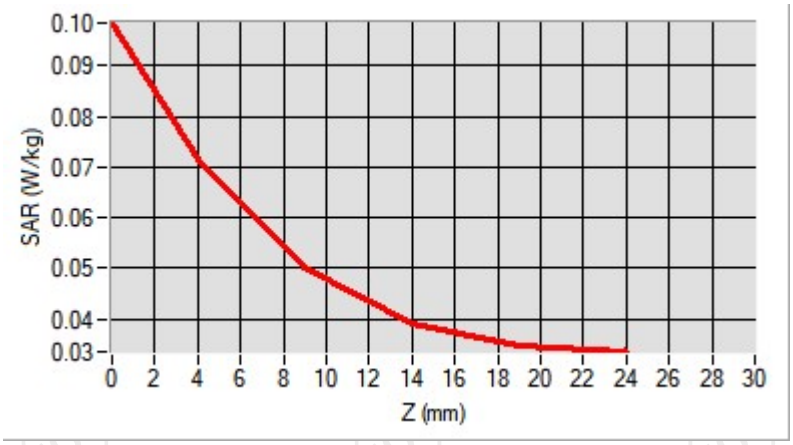
Maximum location: X=-64.00, Y=-25.00 ; SAR Peak: 0.10 W/kg

D. SAR 1g & 10g

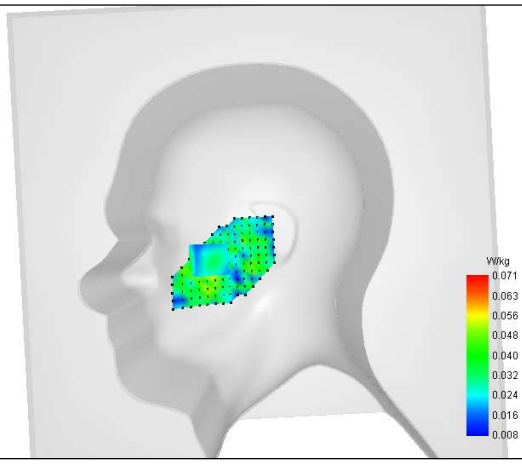
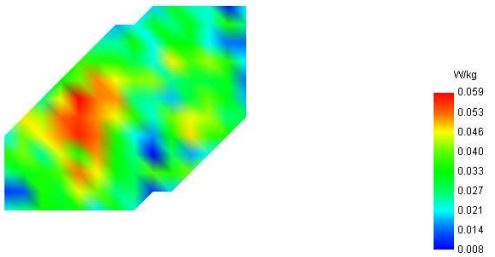
SAR 10g (W/Kg)	0.047
SAR 1g (W/Kg)	0.069
Variation (%)	1.020
Horizontal validation criteria: minimum distance (mm)	0.000000
Vertical validation criteria: SAR ratio M2/M1 (%)	0.000000

E. Z Axis Scan

Z (mm)	0.00	4.00	9.00	14.00	19.00
SAR (W/Kg)	0.099	0.071	0.050	0.039	0.035



F. 3D Image

3D screen shot	Hot spot position
	

SAR Measurement at Band 2 (1900) (Body, Validation Plane)

Date of measurement: 7/3/2023

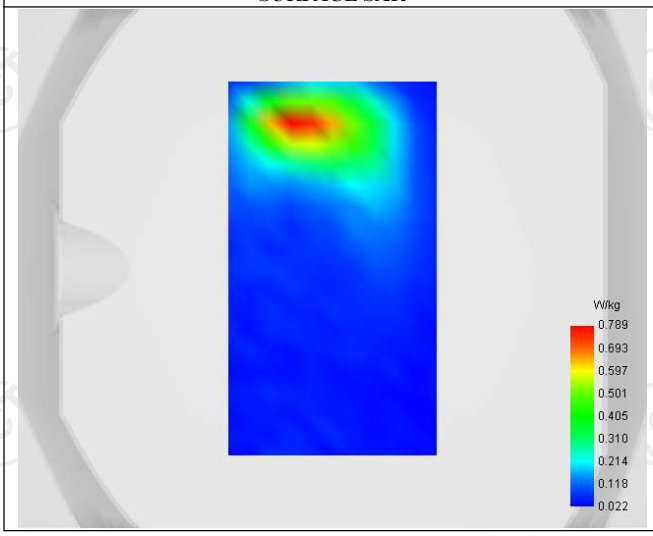
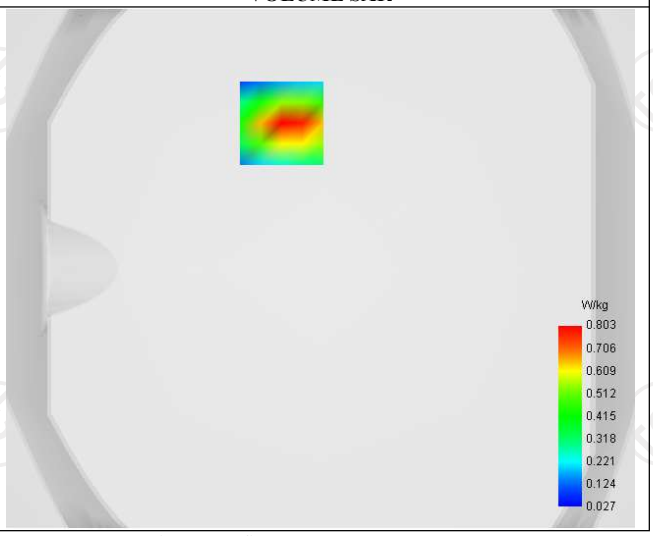
A. Experimental conditions.

Probe	SN 36/20 EPGO346
ConvF	2.32
Area Scan	surf_sam_plan.txt
Zoom Scan	5x5x7,dx=8mm dy=8mm dz=5mm,Complete
Phantom	Validation plane
Device Position	Body
Band	Band 2 (1900)
Channels	Middle (9400)
Signal	WCDMA
Mode	Release 99
Connection Type	RMC, 12.2 kbps

B. Permitivity

Frequency (MHz)	1880.000
Relative permitivity (real part)	52.253
Relative permitivity (imaginary part)	14.329
Conductivity (S/m)	1.561

C. SAR Surface and Volume

SURFACE SAR	VOLUME SAR
	

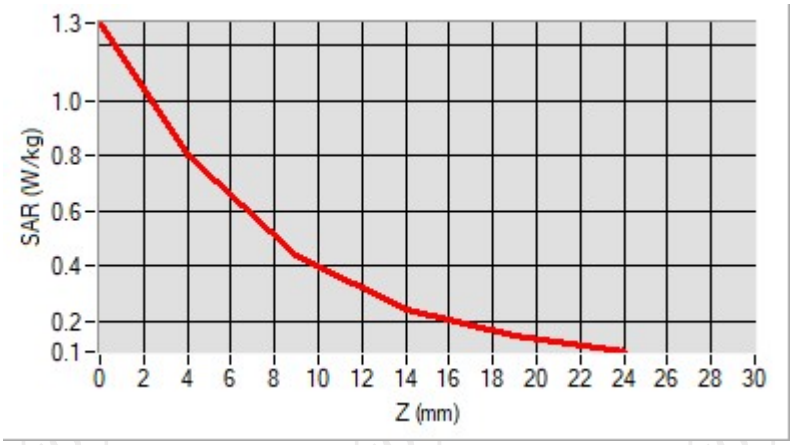
Maximum location: X=-15.00, Y=56.00 ; SAR Peak: 1.29 W/kg

D. SAR 1g & 10g

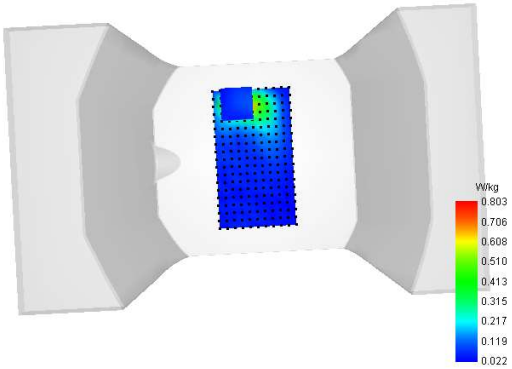
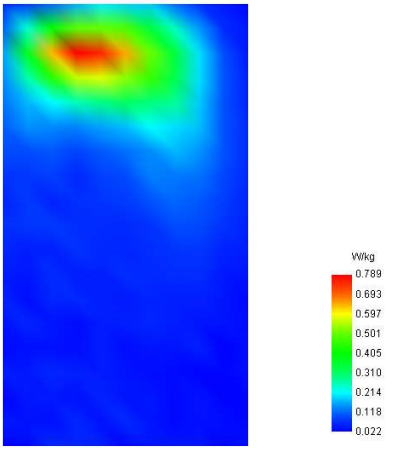
SAR 10g (W/Kg)	0.398
SAR 1g (W/Kg)	0.751
Variation (%)	-2.940
Horizontal validation criteria: minimum distance (mm)	0.000000
Vertical validation criteria: SAR ratio M2/M1 (%)	0.000000

E. Z Axis Scan

Z (mm)	0.00	4.00	9.00	14.00	19.00
SAR (W/Kg)	1.281	0.803	0.438	0.244	0.146



F. 3D Image

3D screen shot	Hot spot position
	

SAR Measurement at Band 4 (1700) (Cheek, Left)

Date of measurement: 7/3/2023

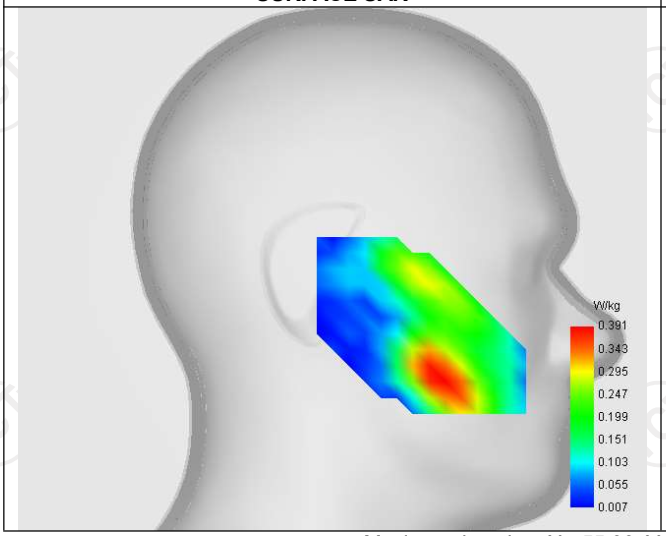
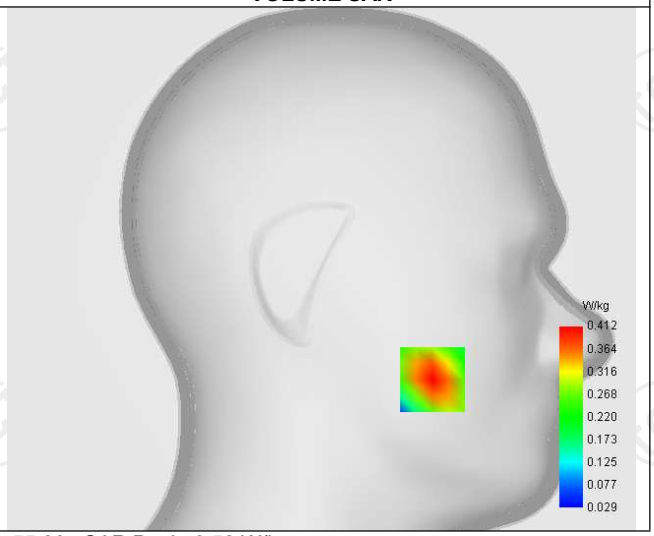
A. Experimental conditions.

Probe	SN 36/20 EPGO346
ConvF	2.16
Area Scan	sam_direct_droit2_surf8mm.txt
Zoom Scan	5x5x7,dx=8mm dy=8mm dz=5mm,Complete
Phantom	Left head
Device Position	Cheek
Band	Band 4 (1700)
Channels	Middle (1450)
Signal	WCDMA
Mode	Release 99
Connection Type	RMC, 12.2 kbps

B. Permitivity

Frequency (MHz)	1740.000
Relative permitivity (real part)	53.314
Relative permitivity (imaginary part)	15.200
Conductivity (S/m)	1.514

C. SAR Surface and Volume

SURFACE SAR	VOLUME SAR
	

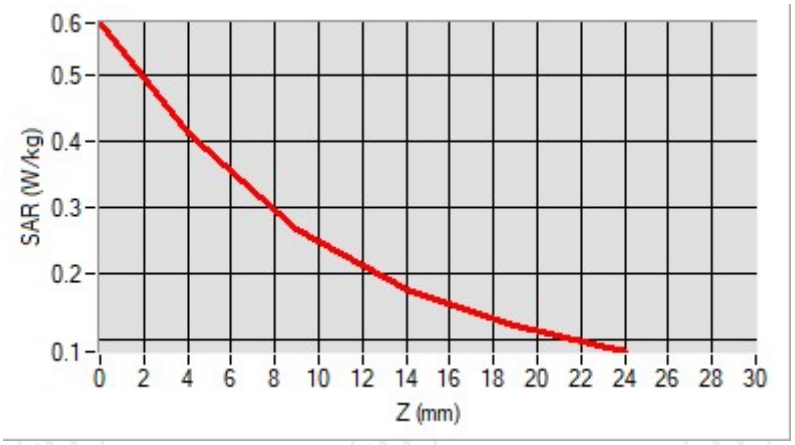
Maximum location: X=-55.00, Y=-55.00 ; SAR Peak: 0.58 W/kg

D. SAR 1g & 10g

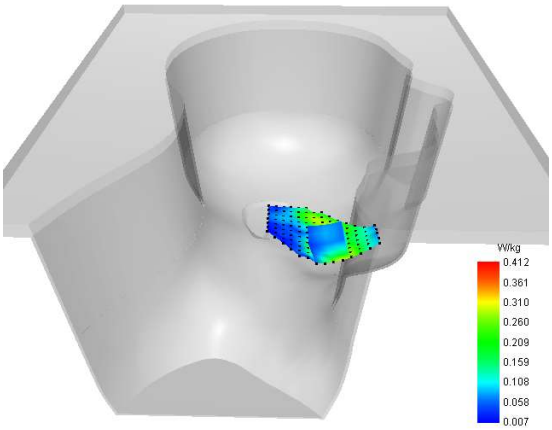
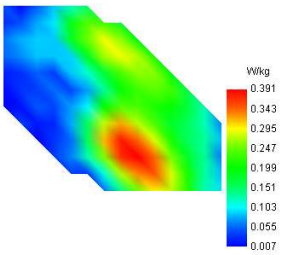
SAR 10g (W/Kg)	0.238
SAR 1g (W/Kg)	0.415
Variation (%)	-0.670
Horizontal validation criteria: minimum distance (mm)	0.000000
Vertical validation criteria: SAR ratio M2/M1 (%)	0.000000

E. Z Axis Scan

Z (mm)	0.00	4.00	9.00	14.00	19.00
SAR (W/Kg)	0.578	0.412	0.268	0.178	0.122



F. 3D Image

3D screen shot	Hot spot position
	

SAR Measurement at Band 4 (1700) (Body, Validation Plane)

Date of measurement: 7/3/2023

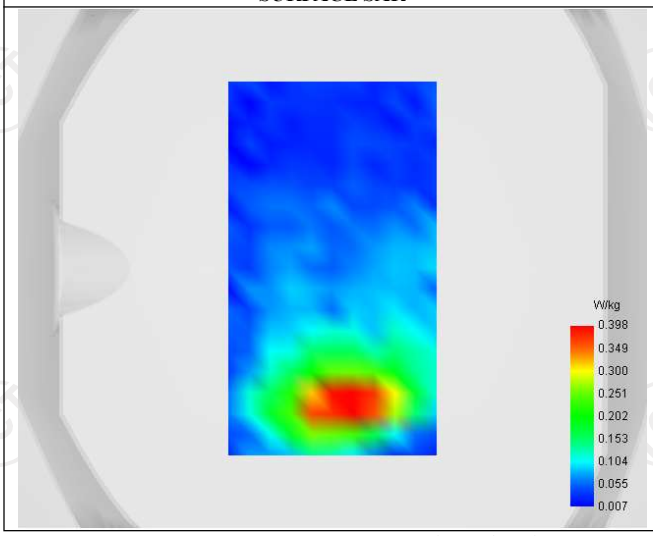
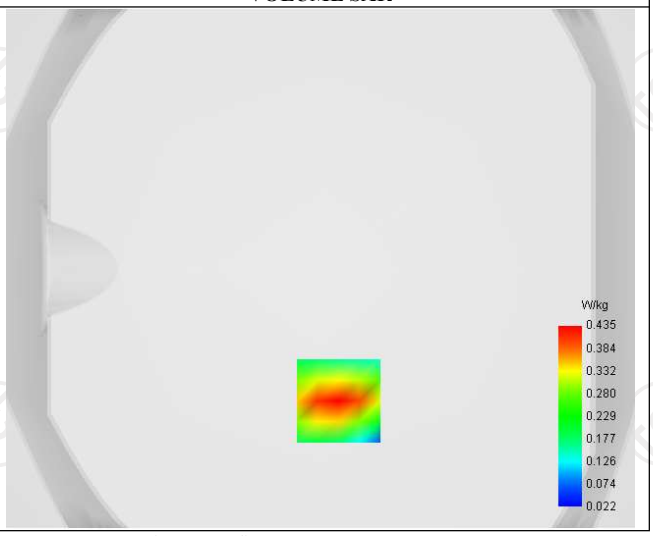
A. Experimental conditions.

Probe	SN 36/20 EPGO346
ConvF	2.16
Area Scan	surf_sam_plan.txt
Zoom Scan	5x5x7,dx=8mm dy=8mm dz=5mm,Complete
Phantom	Validation plane
Device Position	Body
Band	Band 4 (1700)
Channels	Middle (1450)
Signal	WCDMA
Mode	Release 99
Connection Type	RMC, 12.2 kbps

B. Permitivity

Frequency (MHz)	1740.000
Relative permitivity (real part)	53.314
Relative permitivity (imaginary part)	15.200
Conductivity (S/m)	1.514

C. SAR Surface and Volume

SURFACE SAR	VOLUME SAR
	

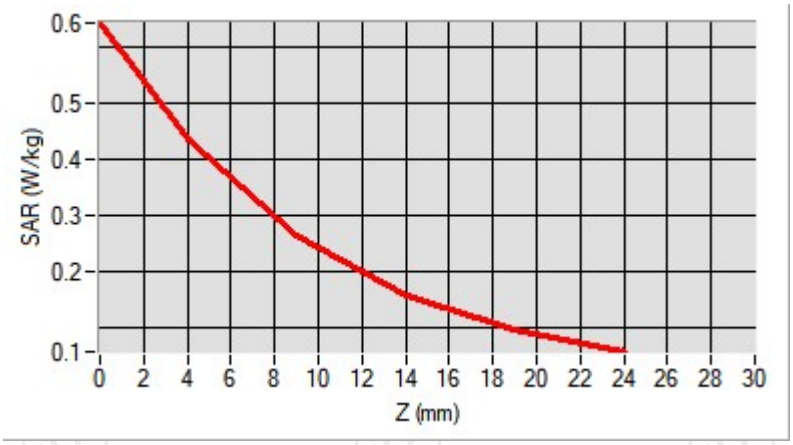
Maximum location: X=7.00, Y=-51.00 ; SAR Peak: 0.64 W/kg

D. SAR 1g & 10g

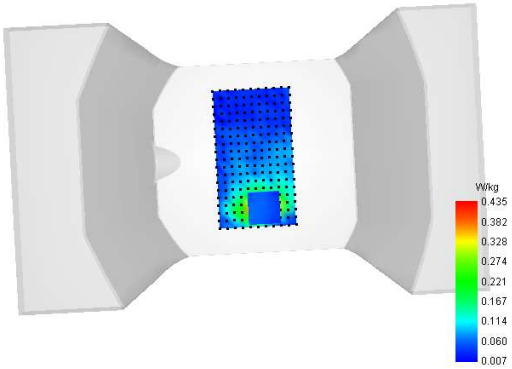
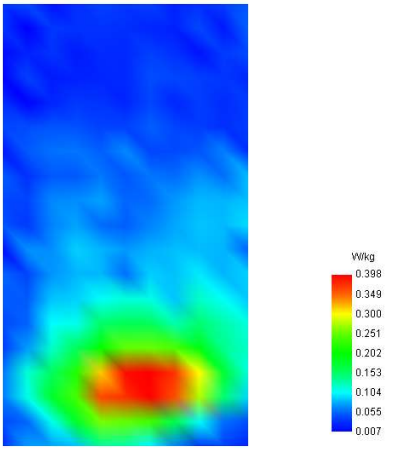
SAR 10g (W/Kg)	0.230
SAR 1g (W/Kg)	0.405
Variation (%)	-1.430
Horizontal validation criteria: minimum distance (mm)	0.000000
Vertical validation criteria: SAR ratio M2/M1 (%)	0.000000

E. Z Axis Scan

Z (mm)	0.00	4.00	9.00	14.00	19.00
SAR (W/Kg)	0.642	0.435	0.263	0.159	0.098



F. 3D Image

3D screen shot	Hot spot position
	

SAR Measurement at Band 5 (850) (Cheek, Left)

Date of measurement: 6/3/2023

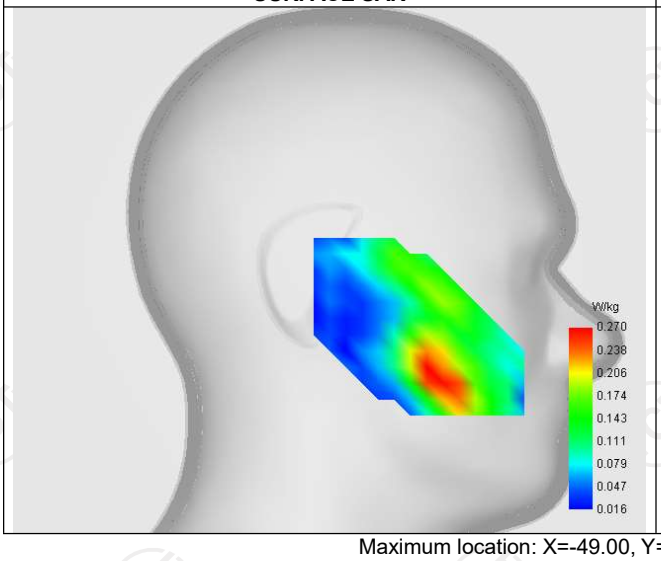
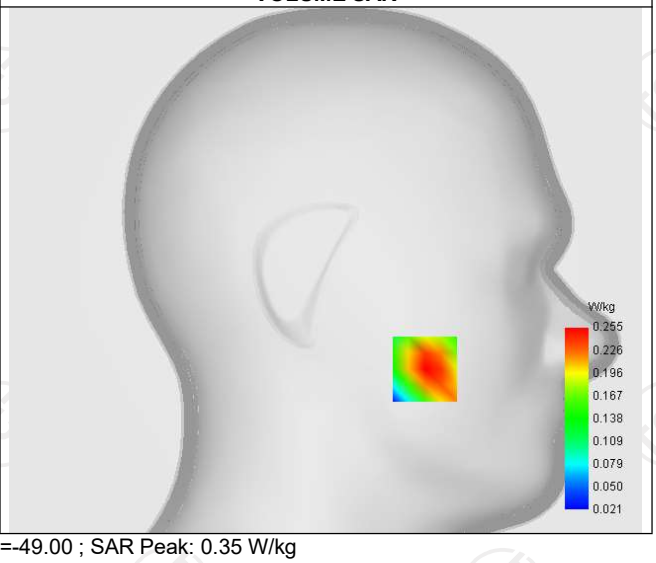
A. Experimental conditions.

Probe	SN 36/20 EPGO346
ConvF	1.86
Area Scan	sam_direct_droit2_surf8mm.txt
Zoom Scan	5x5x7,dx=8mm dy=8mm dz=5mm,Complete
Phantom	Left head
Device Position	Cheek
Band	Band 5 (850)
Channels	Lower (4132)
Signal	WCDMA
Mode	Release 99
Connection Type	RMC, 12.2 kbps

B. Permitivity

Frequency (MHz)	826.400
Relative permitivity (real part)	55.261
Relative permitivity (imaginary part)	21.378
Conductivity (S/m)	0.934

C. SAR Surface and Volume

SURFACE SAR	VOLUME SAR
	

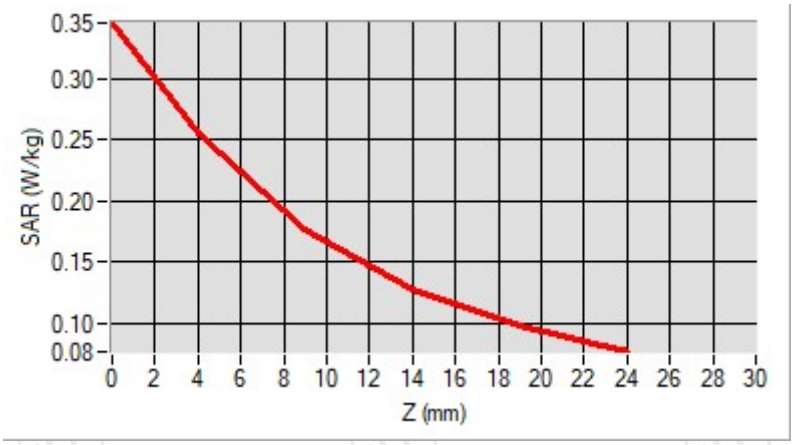
Maximum location: X=-49.00, Y=-49.00 ; SAR Peak: 0.35 W/kg

D. SAR 1g & 10g

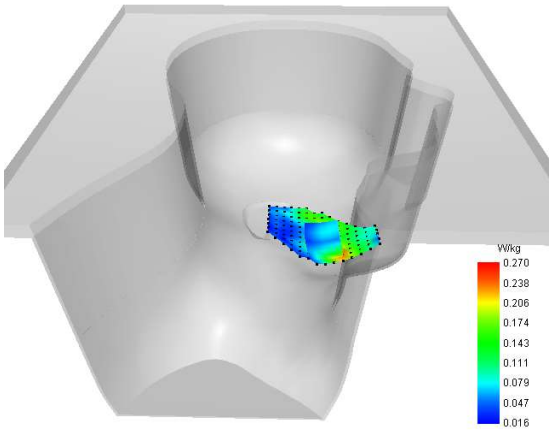
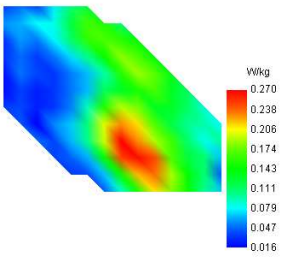
SAR 10g (W/Kg)	0.161
SAR 1g (W/Kg)	0.226
Variation (%)	-1.450
Horizontal validation criteria: minimum distance (mm)	0.000000
Vertical validation criteria: SAR ratio M2/M1 (%)	0.000000

E. Z Axis Scan

Z (mm)	0.00	4.00	9.00	14.00	19.00
SAR (W/Kg)	0.346	0.255	0.177	0.128	0.098



F. 3D Image

3D screen shot	Hot spot position
	

SAR Measurement at Band 5 (850) (Body, Validation Plane)

Date of measurement: 6/3/2023

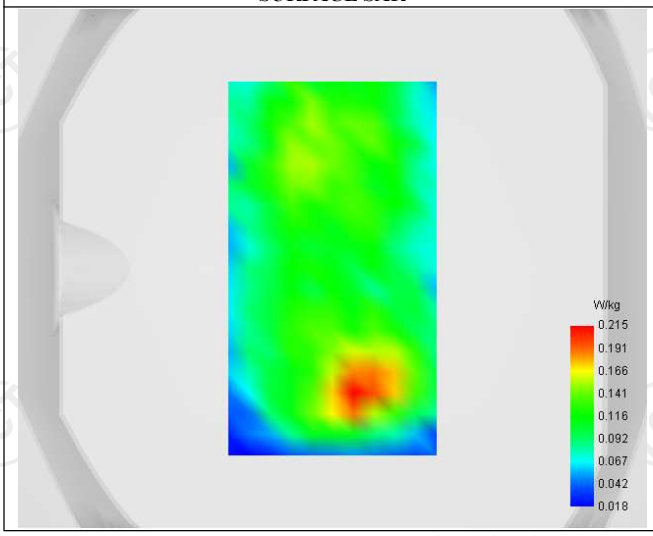
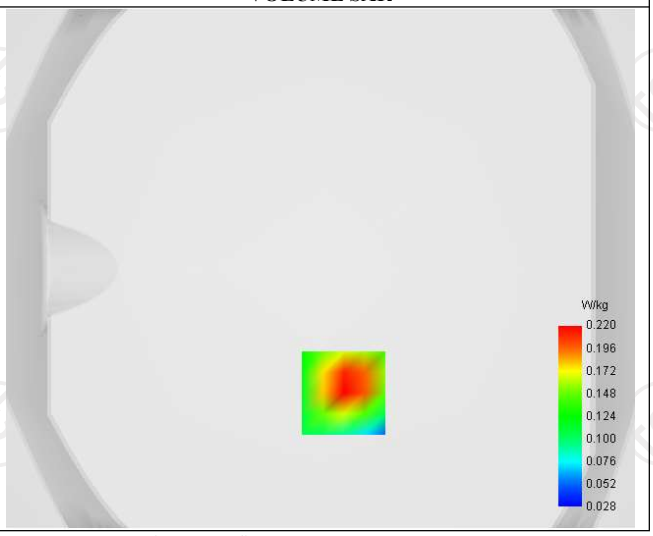
A. Experimental conditions.

Probe	SN 36/20 EPGO346
ConvF	1.86
Area Scan	surf_sam_plan.txt
Zoom Scan	5x5x7,dx=8mm dy=8mm dz=5mm,Complete
Phantom	Validation plane
Device Position	Body
Band	Band 5 (850)
Channels	Lower (4132)
Signal	WCDMA
Mode	Release 99
Connection Type	RMC, 12.2 kbps

B. Permitivity

Frequency (MHz)	826.400
Relative permitivity (real part)	55.261
Relative permitivity (imaginary part)	21.378
Conductivity (S/m)	0.934

C. SAR Surface and Volume

SURFACE SAR	VOLUME SAR
	

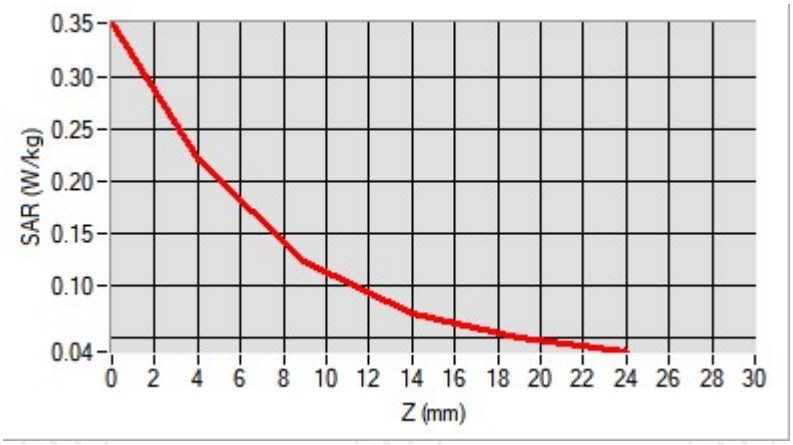
Maximum location: X=9.00, Y=-48.00 ; SAR Peak: 0.36 W/kg

D. SAR 1g & 10g

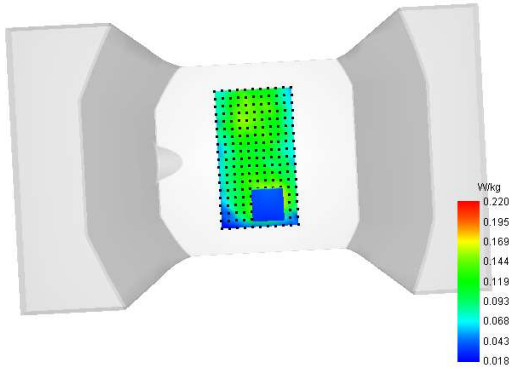
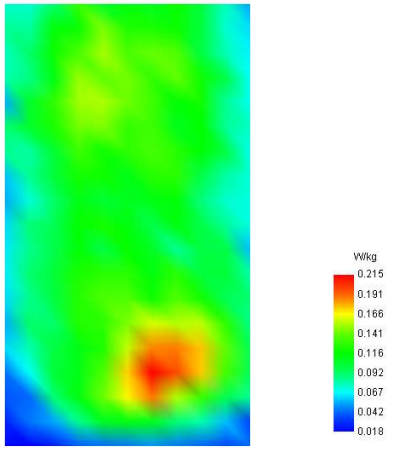
SAR 10g (W/Kg)	0.126
SAR 1g (W/Kg)	0.218
Variation (%)	0.060
Horizontal validation criteria: minimum distance (mm)	0.000000
Vertical validation criteria: SAR ratio M2/M1 (%)	0.000000

E. Z Axis Scan

Z (mm)	0.00	4.00	9.00	14.00	19.00
SAR (W/Kg)	0.351	0.220	0.122	0.072	0.049



F. 3D Image

3D screen shot	Hot spot position
	

SAR Measurement at Bluetooth (Cheek, Left)

Date of measurement: 8/3/2023

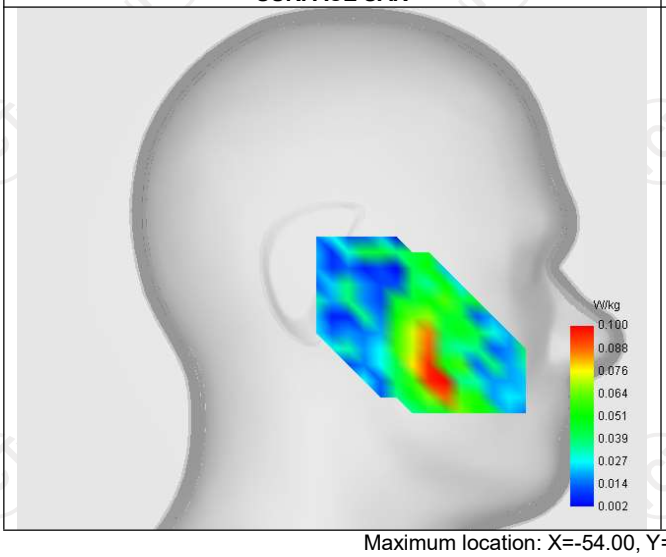
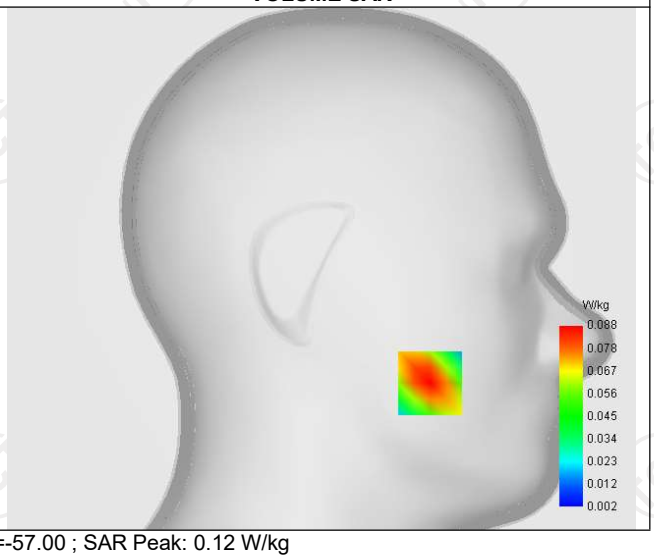
A. Experimental conditions.

Probe	SN 36/20 EPGO346
ConvF	2.37
Area Scan	sam_direct_droit2_surf8mm.txt
Zoom Scan	5x5x7,dx=8mm dy=8mm dz=5mm,Complete
Phantom	Left head
Device Position	Cheek
Band	Bluetooth
Channels	Middle (39)
Signal	Bluetooth

B. Permitivity

Frequency (MHz)	2441.000
Relative permitivity (real part)	51.923
Relative permitivity (imaginary part)	14.932
Conductivity (S/m)	1.995

C. SAR Surface and Volume

SURFACE SAR	VOLUME SAR
	

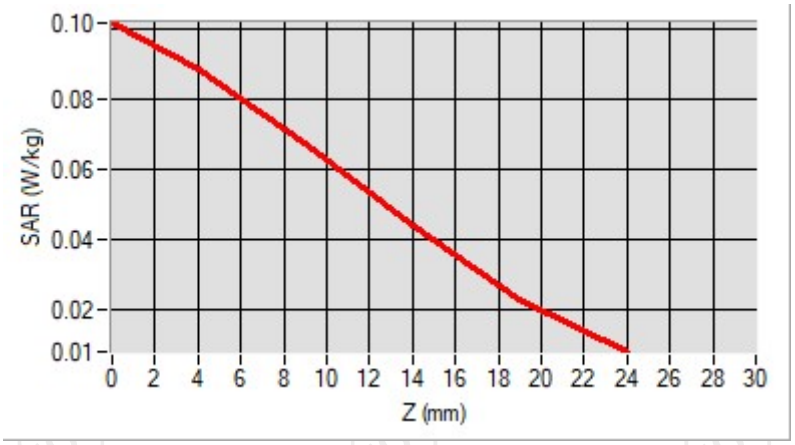
Maximum location: X=-54.00, Y=-57.00 ; SAR Peak: 0.12 W/kg

D. SAR 1g & 10g

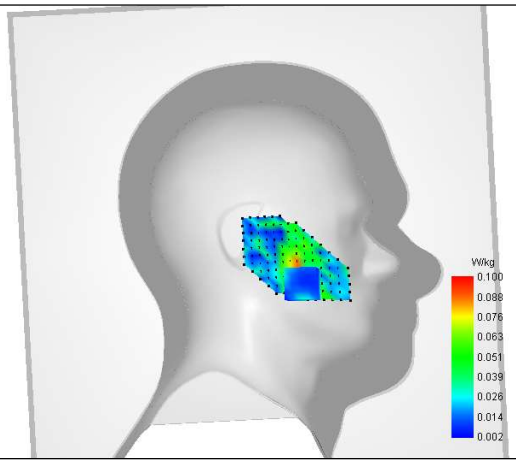
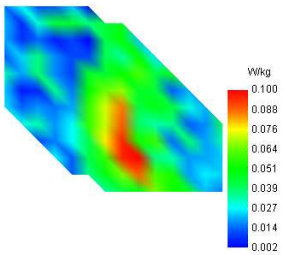
SAR 10g (W/Kg)	0.054
SAR 1g (W/Kg)	0.085
Variation (%)	-0.280
Horizontal validation criteria: minimum distance (mm)	0.000000
Vertical validation criteria: SAR ratio M2/M1 (%)	0.000000

E. Z Axis Scan

Z (mm)	0.00	4.00	9.00	14.00	19.00
SAR (W/Kg)	0.102	0.088	0.067	0.044	0.023



F. 3D Image

3D screen shot	Hot spot position
	

SAR Measurement at IEEE 802.11b ISM (Cheek, Right)

Date of measurement: 8/3/2023

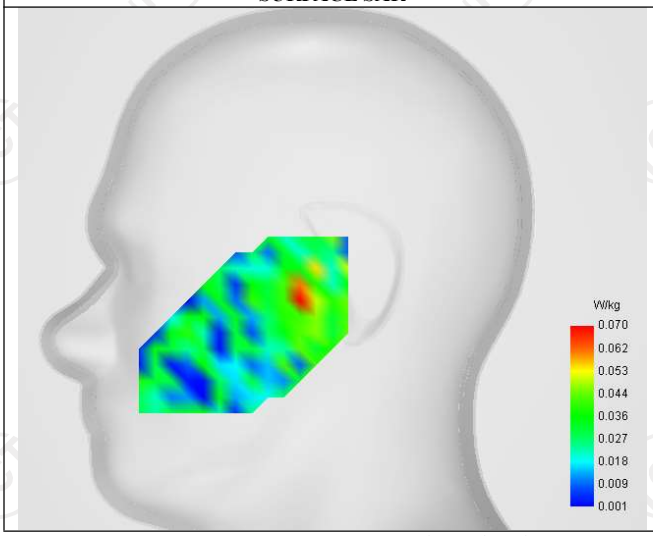
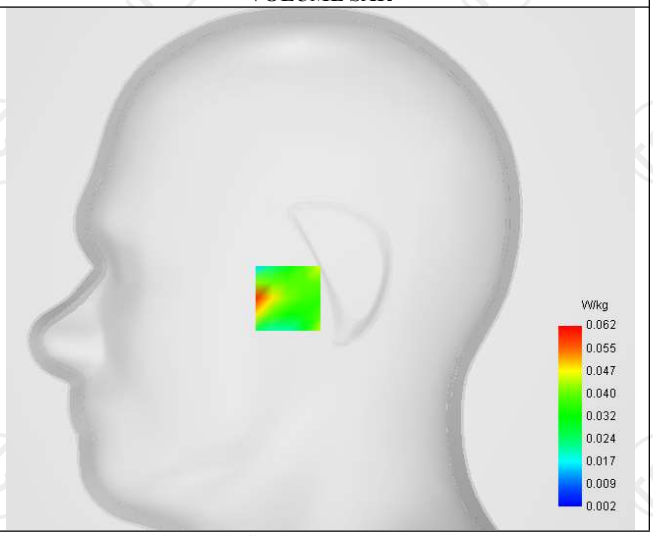
A. Experimental conditions.

Probe	SN 36/20 EPGO346
ConvF	2.37
Area Scan	sam_direct_droit2_surf8mm.txt
Zoom Scan	5x5x7,dx=8mm dy=8mm dz=5mm,Complete
Phantom	Right head
Device Position	Cheek
Band	IEEE 802.11b ISM
Channels	Lower (1)
Signal	IEEE 802.11

B. Permitivity

Frequency (MHz)	2412.000
Relative permitivity (real part)	51.962
Relative permitivity (imaginary part)	14.812
Conductivity (S/m)	1.974

C. SAR Surface and Volume

SURFACE SAR	VOLUME SAR
	

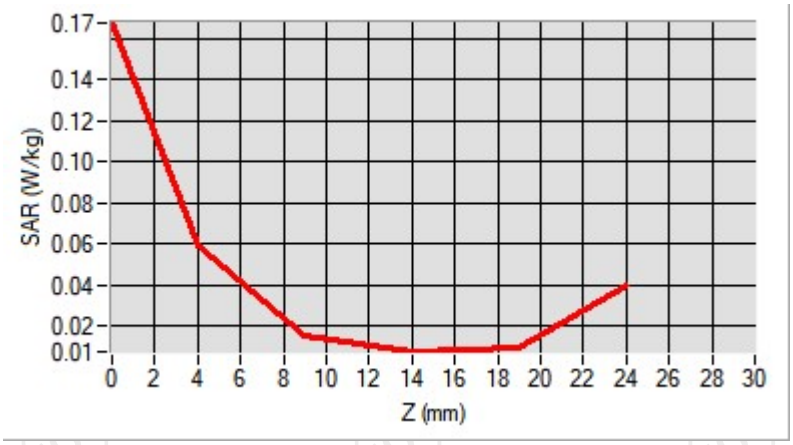
Maximum location: X=-16.00, Y=-15.00 ; SAR Peak: 0.15 W/kg

D. SAR 1g & 10g

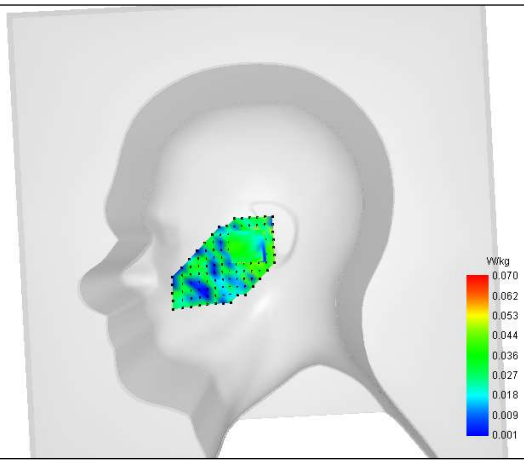
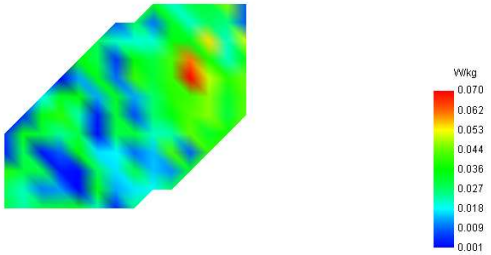
SAR 10g (W/Kg)	0.044
SAR 1g (W/Kg)	0.058
Variation (%)	1.790
Horizontal validation criteria: minimum distance (mm)	0.000000
Vertical validation criteria: SAR ratio M2/M1 (%)	0.000000

E. Z Axis Scan

Z (mm)	0.00	4.00	9.00	14.00	19.00
SAR (W/Kg)	0.168	0.059	0.015	0.007	0.009



F. 3D Image

3D screen shot	Hot spot position
	

SAR Measurement at IEEE 802.11b ISM (Body, Validation Plane)

Date of measurement: 8/3/2023

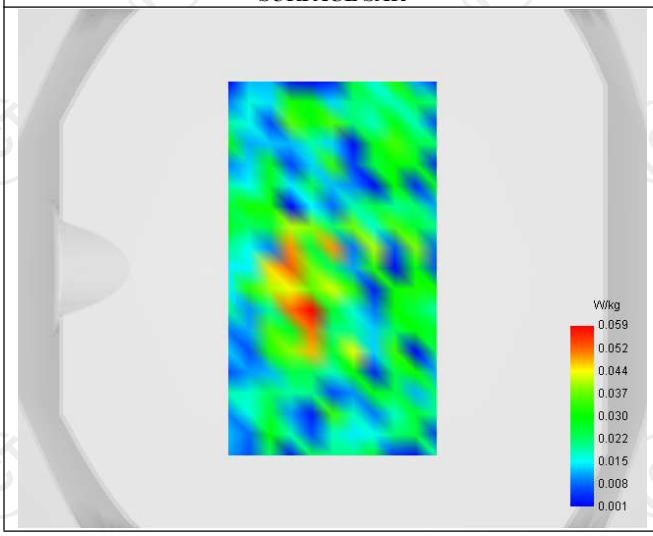
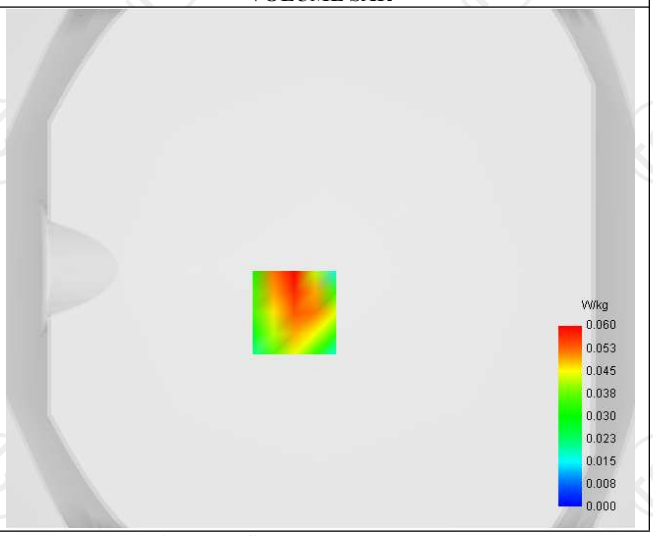
A. Experimental conditions.

Probe	SN 36/20 EPGO346
ConvF	2.37
Area Scan	surf_sam_plan.txt
Zoom Scan	5x5x7,dx=8mm dy=8mm dz=5mm,Complete
Phantom	Validation plane
Device Position	Body
Band	IEEE 802.11b ISM
Channels	Lower (1)
Signal	IEEE 802.11

B. Permitivity

Frequency (MHz)	2412.000
Relative permitivity (real part)	51.962
Relative permitivity (imaginary part)	14.812
Conductivity (S/m)	1.974

C. SAR Surface and Volume

SURFACE SAR	VOLUME SAR
	

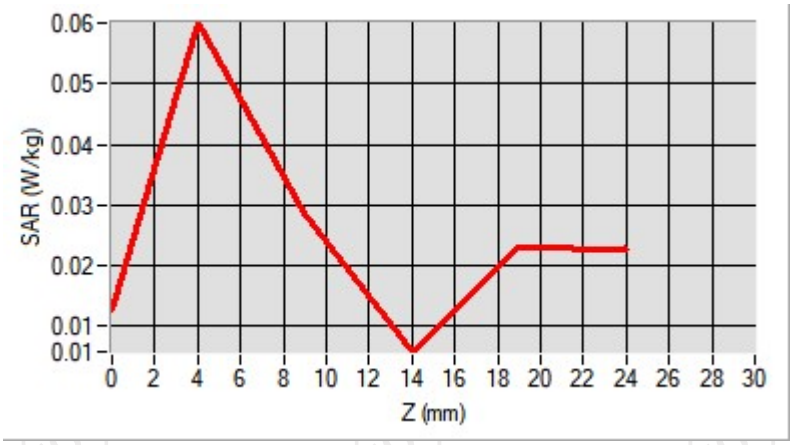
Maximum location: X=-10.00, Y=-17.00 ; SAR Peak: 0.15 W/kg

D. SAR 1g & 10g

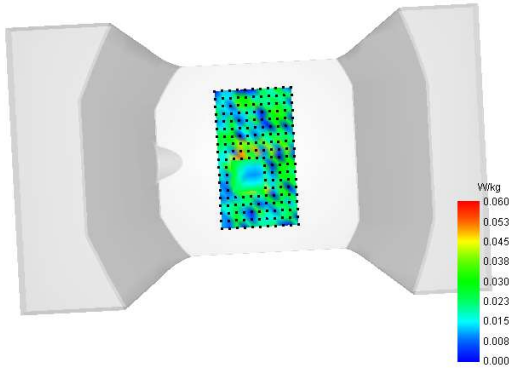
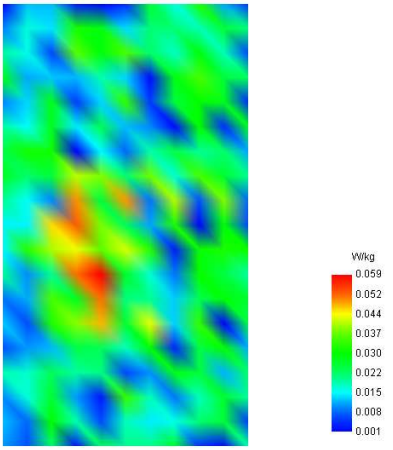
SAR 10g (W/Kg)	0.033
SAR 1g (W/Kg)	0.060
Variation (%)	1.490
Horizontal validation criteria: minimum distance (mm)	0.000000
Vertical validation criteria: SAR ratio M2/M1 (%)	0.000000

E. Z Axis Scan

Z (mm)	0.00	4.00	9.00	14.00	19.00
SAR (W/Kg)	0.013	0.060	0.029	0.006	0.023



F. 3D Image

3D screen shot	Hot spot position
	

SAR Measurement at IEEE 802.11ac U-NII (Cheek, Right)

Date of measurement: 9/3/2023

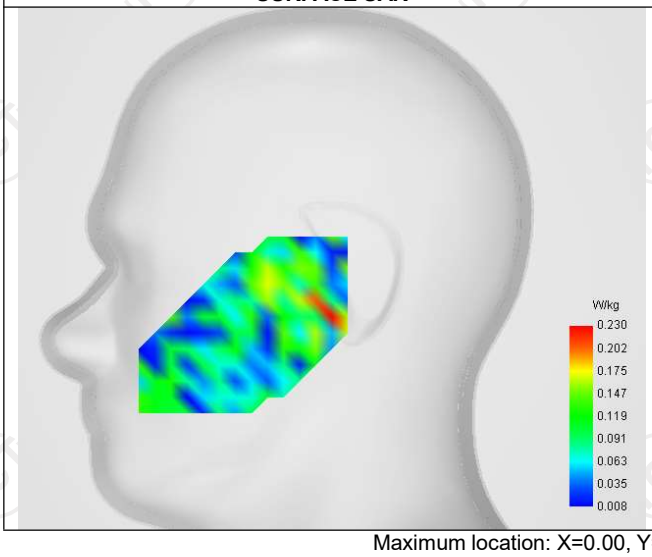
A. Experimental conditions.

Probe	SN 36/20 EPGO346
ConvF	2.08
Area Scan	sam_direct_droit2_surf8mm.txt
Zoom Scan	5x5x7,dx=8mm dy=8mm dz=5mm,Complete
Phantom	Right head
Device Position	Cheek
Band	IEEE 802.11ac U-NII
Channels	Lower (38)
Signal	IEEE 802.11

B. Permitivity

Frequency (MHz)	5190.000
Relative permitivity (real part)	49.523
Relative permitivity (imaginary part)	21.385
Conductivity (S/m)	5.401

C. SAR Surface and Volume

SURFACE SAR	VOLUME SAR
	

Maximum location: X=0.00, Y=-24.00 ; SAR Peak: 0.31 W/kg

D. SAR 1g & 10g

SAR 10g (W/Kg)	0.121
SAR 1g (W/Kg)	0.177
Variation (%)	-2.980
Horizontal validation criteria: minimum distance (mm)	0.000000
Vertical validation criteria: SAR ratio M2/M1 (%)	0.000000

E. Z Axis Scan

Z (mm)	0.00	2.00	7.00	12.00	17.00
SAR (W/Kg)	0.138	0.174	0.117	0.062	0.094

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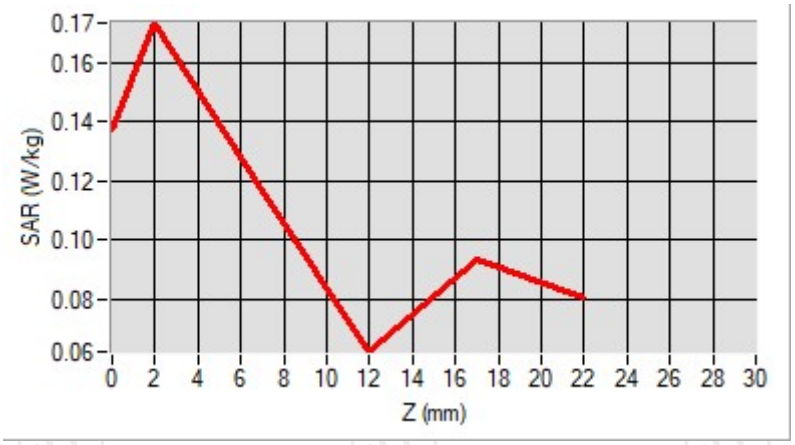
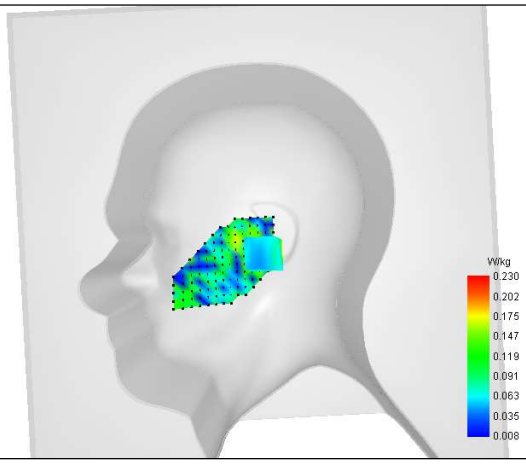
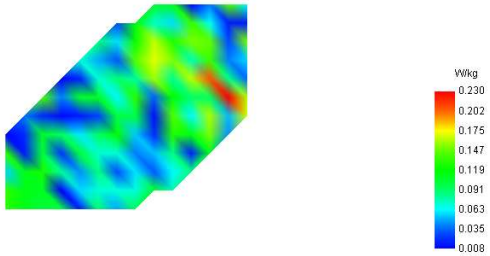


F. 3D Image

3D screen shot	Hot spot position
	

SAR Measurement at IEEE 802.11ac U-NII (Body, Validation Plane)

Date of measurement: 9/3/2023

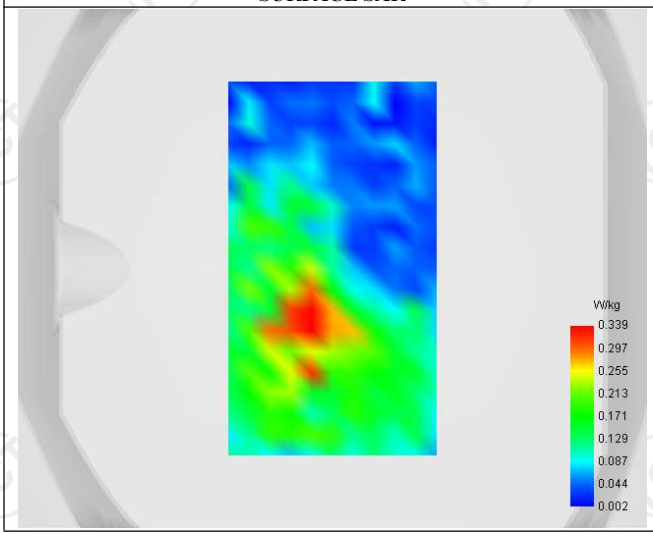
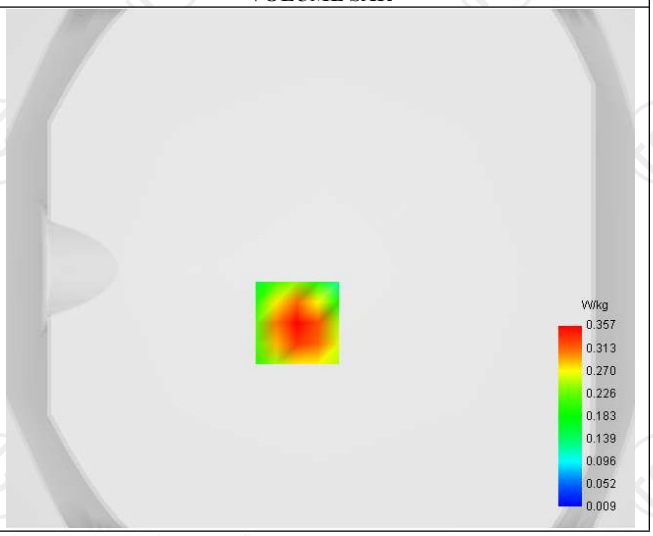
A. Experimental conditions.

Probe	SN 36/20 EPGO346
ConvF	2.08
Area Scan	surf_sam_plan.txt
Zoom Scan	5x5x7,dx=8mm dy=8mm dz=5mm,Complete
Phantom	Validation plane
Device Position	Body
Band	IEEE 802.11ac U-NII
Channels	Lower (38)
Signal	IEEE 802.11

B. Permitivity

Frequency (MHz)	5190.000
Relative permitivity (real part)	49.523
Relative permitivity (imaginary part)	21.385
Conductivity (S/m)	5.401

C. SAR Surface and Volume

SURFACE SAR	VOLUME SAR
	

Maximum location: X=-9.00, Y=-21.00 ; SAR Peak: 0.53 W/kg

D. SAR 1g & 10g

SAR 10g (W/Kg)	0.123
SAR 1g (W/Kg)	0.240
Variation (%)	2.000
Horizontal validation criteria: minimum distance (mm)	0.000000
Vertical validation criteria: SAR ratio M2/M1 (%)	0.000000

E. Z Axis Scan

Z (mm)	0.00	2.00	7.00	12.00	17.00
SAR (W/Kg)	0.519	0.357	0.129	0.050	0.030

F. 3D Image

3D screen shot	Hot spot position