

LTE Band 12 QPSK (10MHz)	Front	1	0.17	0.14	0.12	0.03	0.31	N/A	N/A
		25	0.14	0.14	0.12	0.03	0.28	N/A	N/A
	Back	1	0.29	0.28	0.27	0.05	0.57	N/A	N/A
		25	0.25	0.28	0.27	0.05	0.53	N/A	N/A
LTE Band 13 QPSK (10MHz)	Front	1	0.14	0.14	0.12	0.03	0.28	N/A	N/A
		25	0.14	0.14	0.12	0.03	0.28	N/A	N/A
	Back	1	0.25	0.28	0.27	0.05	0.53	N/A	N/A
		25	0.23	0.28	0.27	0.05	0.51	N/A	N/A
LTE Band 17 QPSK (10MHz)	Front	1	0.08	0.14	0.12	0.03	0.22	N/A	N/A
		1	0.07	0.14	0.12	0.03	0.21	N/A	N/A
	Back	1	0.19	0.28	0.27	0.05	0.47	N/A	N/A
		1	0.17	0.28	0.27	0.05	0.45	N/A	N/A
LTE Band 66 QPSK (20MHz)	Front	1	0.22	0.14	0.12	0.03	0.36	N/A	N/A
		50	0.24	0.14	0.12	0.03	0.38	N/A	N/A
	Back	1	0.45	0.28	0.27	0.05	0.73	N/A	N/A
		50	0.45	0.28	0.27	0.05	0.73	N/A	N/A

Band	Test Position	Scaled SAR		Σ SAR (W/kg)	SPLSR	Remark
		Hotspot	WIFI 2.4G			
GSM850 (GPRS)	Front	0.26	0.12	0.38	N/A	N/A
	Back	0.56	0.23	0.79	N/A	N/A
	Right	0.03	0.01	0.04	N/A	N/A
	Left	0.03	/	0.03	N/A	N/A
	Top	/	0.01	0.01	N/A	N/A
	Bottom	0.06	/	0.06	N/A	N/A
GSM1900 (GPRS)	Front	0.16	0.12	0.28	N/A	N/A
	Back	0.34	0.23	0.57	N/A	N/A
	Right	0.01	0.01	0.02	N/A	N/A
	Left	0.01	/	0.01	N/A	N/A
	Top	/	0.01	0.01	N/A	N/A
	Bottom	0.02	/	0.02	N/A	N/A
WCDMA Band II	Front	0.33	0.12	0.45	N/A	N/A
	Back	0.70	0.23	0.93	N/A	N/A
	Right	0.03	0.01	0.04	N/A	N/A
	Left	0.03	/	0.03	N/A	N/A
	Top	/	0.01	0.01	N/A	N/A
	Bottom	0.04	/	0.04	N/A	N/A
WCDMA Band IV	Front	0.21	0.12	0.33	N/A	N/A
	Back	0.43	0.23	0.66	N/A	N/A
	Right	0.02	0.01	0.03	N/A	N/A
	Left	0.02	/	0.02	N/A	N/A
	Top	/	0.01	0.01	N/A	N/A
	Bottom	0.02	/	0.02	N/A	N/A
WCDMA Band V	Front	0.16	0.12	0.28	N/A	N/A
	Back	0.36	0.23	0.59	N/A	N/A
	Right	0.01	0.01	0.02	N/A	N/A
	Left	0.01	/	0.01	N/A	N/A
	Top	/	0.01	0.01	N/A	N/A
	Bottom	0.01	/	0.01	N/A	N/A
CDMA BC0	Front	0.36	0.12	0.48	N/A	N/A
	Back	0.71	0.23	0.94	N/A	N/A
	Right	0.03	0.01	0.04	N/A	N/A
	Left	0.02	/	0.02	N/A	N/A
	Top	/	0.01	0.01	N/A	N/A
	Bottom	0.04	/	0.04	N/A	N/A

CDMA BC1	Front	0.25	0.12	0.37	N/A	N/A
	Back	0.52	0.23	0.75	N/A	N/A
	Right	0.02	0.01	0.03	N/A	N/A
	Left	0.01	/	0.01	N/A	N/A
	Top	/	0.01	0.01	N/A	N/A
	Bottom	0.02	/	0.02	N/A	N/A

Band	Test Position	RB allocation	Scaled		Σ SAR (W/kg)	SPLSR	Remark
			Hotspot	WIFI2.4G			
LTE Band 2 QPSK (20MHz)	Front	1	0.40	0.12	0.52	N/A	N/A
		50	0.40	0.12	0.52	N/A	N/A
	Back	1	0.83	0.23	1.06	N/A	N/A
		50	0.84	0.23	1.07	N/A	N/A
	Right	1	0.03	0.01	0.04	N/A	N/A
		50	0.02	0.01	0.03	N/A	N/A
	Left	1	0.03	/	0.03	N/A	N/A
		50	0.04	/	0.04	N/A	N/A
	Top	1	/	0.01	0.01	N/A	N/A
		50	/	0.01	0.01	N/A	N/A
	Bottom	1	0.04	/	0.04	N/A	N/A
		50	0.04	/	0.04	N/A	N/A
LTE Band 4 QPSK (20MHz)	Front	1	0.22	0.12	0.34	N/A	N/A
		50	0.21	0.12	0.33	N/A	N/A
	Back	1	0.59	0.23	0.82	N/A	N/A
		50	0.55	0.23	0.78	N/A	N/A
	Right	1	0.02	0.01	0.03	N/A	N/A
		50	0.01	0.01	0.02	N/A	N/A
	Left	1	0.02	/	0.02	N/A	N/A
		50	0.02	/	0.02	N/A	N/A
	Top	1	/	0.01	0.01	N/A	N/A
		50	/	0.01	0.01	N/A	N/A
	Bottom	1	0.03	/	0.03	N/A	N/A
		50	0.02	/	0.02	N/A	N/A

LTE Band 5 QPSK (10MHz)	Front	1	0.14	0.12	0.26	N/A	N/A
		25	0.11	0.12	0.23	N/A	N/A
	Back	1	0.24	0.23	0.47	N/A	N/A
		25	0.23	0.23	0.46	N/A	N/A
	Right	1	0.01	0.01	0.02	N/A	N/A
		25	0.01	0.01	0.02	N/A	N/A
	Left	1	0.01	/	0.01	N/A	N/A
		25	0.01	/	0.01	N/A	N/A
	Top	1	/	0.01	0.01	N/A	N/A
		25	/	0.01	0.01	N/A	N/A
	Bottom	1	0.01	/	0.01	N/A	N/A
		25	0.01	/	0.01	N/A	N/A
LTE Band 7 QPSK (20MHz)	Front	1	0.34	0.12	0.46	N/A	N/A
		50	0.35	0.12	0.47	N/A	N/A
	Back	1	0.73	0.23	0.96	N/A	N/A
		50	0.71	0.23	0.94	N/A	N/A
	Right	1	0.03	0.01	0.04	N/A	N/A
		50	0.03	0.01	0.04	N/A	N/A
	Left	1	0.01	/	0.01	N/A	N/A
		50	0.01	/	0.01	N/A	N/A
	Top	1	/	0.01	0.01	N/A	N/A
		50	/	0.01	0.01	N/A	N/A
	Bottom	1	0.04	/	0.04	N/A	N/A
		50	0.04	/	0.04	N/A	N/A
LTE Band 12 QPSK (10MHz)	Front	1	0.21	0.12	0.33	N/A	N/A
		25	0.19	0.12	0.31	N/A	N/A
	Back	1	0.40	0.23	0.63	N/A	N/A
		25	0.36	0.23	0.59	N/A	N/A
	Right	1	0.02	0.01	0.03	N/A	N/A
		25	0.01	0.01	0.02	N/A	N/A
	Left	1	0.01	/	0.01	N/A	N/A
		25	0.01	/	0.01	N/A	N/A
	Top	1	/	0.01	0.01	N/A	N/A
		25	/	0.01	0.01	N/A	N/A
	Bottom	1	0.02	/	0.02	N/A	N/A
		25	0.02	/	0.02	N/A	N/A

LTE Band 13 QPSK (10MHz)	Front	1	0.15	0.12	0.27	N/A	N/A
		25	0.15	0.12	0.27	N/A	N/A
	Back	1	0.34	0.23	0.57	N/A	N/A
		25	0.32	0.23	0.65	N/A	N/A
	Right	1	0.02	0.01	0.03	N/A	N/A
		25	0.02	0.01	0.03	N/A	N/A
	Left	1	0.01	/	0.01	N/A	N/A
		25	0.02	/	0.02	N/A	N/A
	Top	1	/	0.01	0.01	N/A	N/A
		25	/	0.01	0.01	N/A	N/A
	Bottom	1	0.03	/	0.03	N/A	N/A
		25	0.01	/	0.01	N/A	N/A
LTE Band 17 QPSK (10MHz)	Front	1	0.10	0.12	0.22	N/A	N/A
		1	0.10	0.12	0.22	N/A	N/A
	Back	1	0.22	0.23	0.45	N/A	N/A
		1	0.21	0.23	0.44	N/A	N/A
	Right	1	0.01	0.01	0.02	N/A	N/A
		1	0.01	0.01	0.02	N/A	N/A
	Left	1	0.01	/	0.01	N/A	N/A
		1	0.01	/	0.01	N/A	N/A
	Top	1	/	0.01	0.01		
		1	/	0.01	0.01		
	Bottom	1	0.02	/	0.02	N/A	N/A
		1	0.02	/	0.02	N/A	N/A
LTE Band 66 QPSK (20MHz)	Front	1	0.22	0.12	0.33	N/A	N/A
		50	0.24	0.12	0.36	N/A	N/A
	Back	1	0.50	0.23	0.73	N/A	N/A
		50	0.48	0.23	0.71	N/A	N/A
	Right	1	0.02	0.01	0.03	N/A	N/A
		50	0.02	0.01	0.03	N/A	N/A
	Left	1	0.02	/	0.02	N/A	N/A
		50	0.03	/	0.03	N/A	N/A
	Top	1	/	0.01	0.01		
		50	/	0.01	0.01		
	Bottom	1	0.03	/	0.03	N/A	N/A
		50	0.02	/	0.02	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.

10.6. 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	$\sqrt{3}$	$(1-C_p)^{1/2}$	$(1-C_p)^{1/2}$	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	$\sqrt{3}$	$(1-C_p)^{1/2}$	$(1-C_p)^{1/2}$	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%CONFIDENCEINTE RVAL			k				20.29	20.10	

10.7. 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	Agilent	N5182A	MY47070282	Jul. 04, 2022	Jul. 03, 2023
Multimeter	Keithley	Multimeter 2000	4078275	Jul. 04, 2022	Jul. 03, 2023
Network Analyzer	Agilent	8753E	US38432457	Jul. 04, 2022	Jul. 03, 2023
Wideband Radio Communication Tester	R&S	CMW500	114220	Jul. 04, 2022	Jul. 03, 2023
Power Meter	Agilent	E4418B	GB43312526	Jul. 04, 2022	Jul. 03, 2023
Power Meter	Agilent	E4416A	MY45101555	Jul. 04, 2022	Jul. 03, 2023
Power Meter	Agilent	N1912A	MY50001018	Jul. 04, 2022	Jul. 03, 2023
Power Sensor	Agilent	E9301A	MY41497725	Jul. 04, 2022	Jul. 03, 2023
Power Sensor	Agilent	E9327A	MY44421198	Jul. 04, 2022	Jul. 03, 2023
Power Sensor	Agilent	E9323A	MY53070005	Jul. 04, 2022	Jul. 03, 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	SN256/22 EPGO375	Jun. 29, 2022	Jun. 28, 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, 2021	Jun. 04, 2024
DIPOLE 1800	MVG	SID 1800	SN 16/15 DIP 1G800-371	Jun. 05, 2021	Jun. 04, 2024
DIPOLE 1900	MVG	SID1900	SN 16/15 DIP 1G900-372	Jun. 05, 2021	Jun. 04, 2024
DIPOLE 2450	MVG	SID 2450	SN 16/15 DIP 2G450-374	Jun. 05, 2021	Jun. 04, 2024
DIPOLE 2600	MVG	SID 2600	SN 16/15 DIP 2G600-375	Jun. 05, 2021	Jun. 04, 2024
DIPOLE 5G	MVG	SID 5G	SN 13/14 WGA32	May. 15, 2021	May. 14, 2024
Limesar Dielectric Probe	MVG	SCLMP	SN 19/15 OCPG71	Jun. 05, 2021	Jun. 04, 2024
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: 04/27/2023 Test mode: 750 (Head)

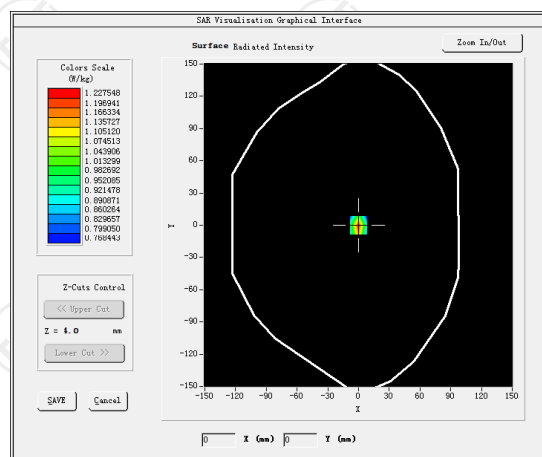
Product Description: Validation

Dipole Model: SID750

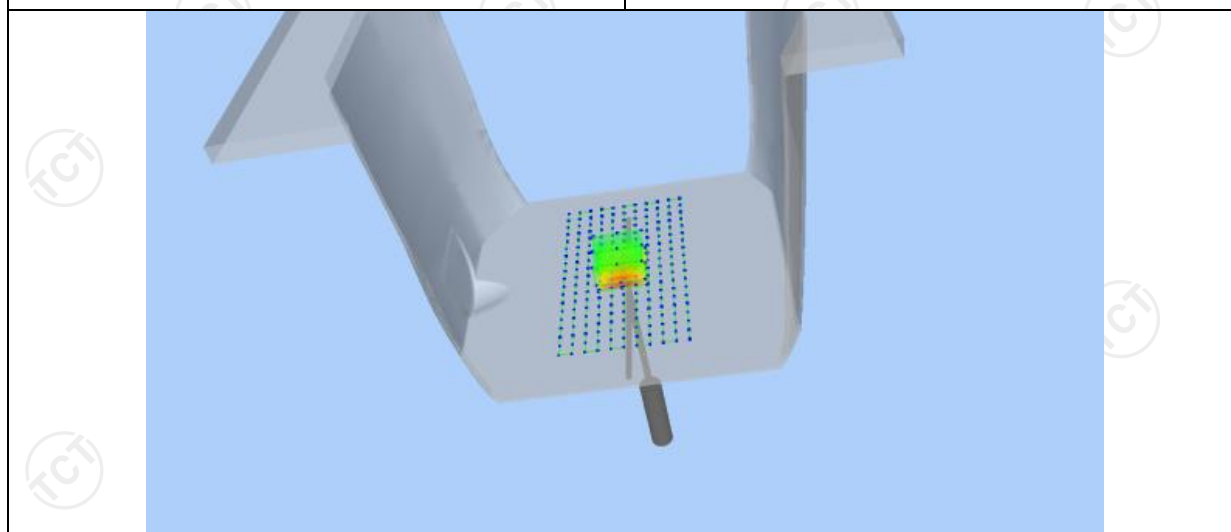
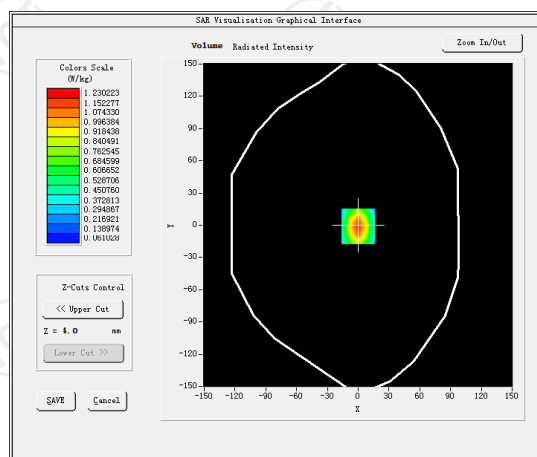
E-Field Probe: SSE2 (SN 25/22 EPGO375)

Phantom	Validation plane
Input Power	100mW
Crest Factor	1.0
Probe Conversion factor	1.71
Frequency (MHz)	750.000000
Relative permittivity (real part)	40.761260
Relative permittivity (imaginary part)	17.130904
Conductivity (S/m)	0.931220
Variation (%)	-0.090000
SAR 10g (W/Kg)	0.540421
SAR 1g (W/Kg)	0.804230

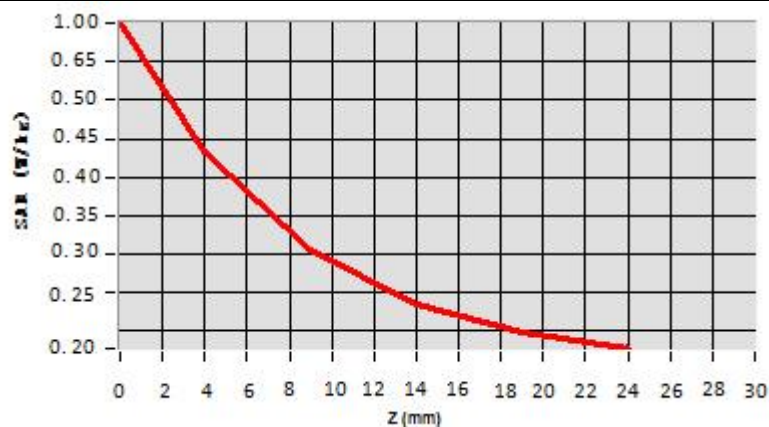
SURFACE SAR



VOLUME SAR



Z (mm)	0.00	4.00	9.00	14.00	19.00
SAR (W/Kg)	1.0014	0.4404	0.3024	0.2342	0.2221



Hot spot position



Date of measurement: 05/05/2023 Test mode: 835 (Head)

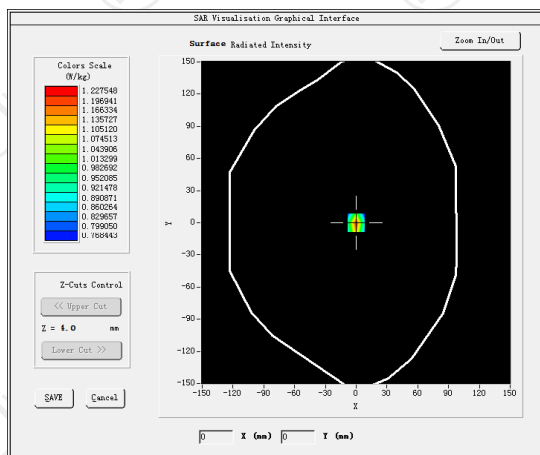
Product Description: Validation

Dipole Model: SID835

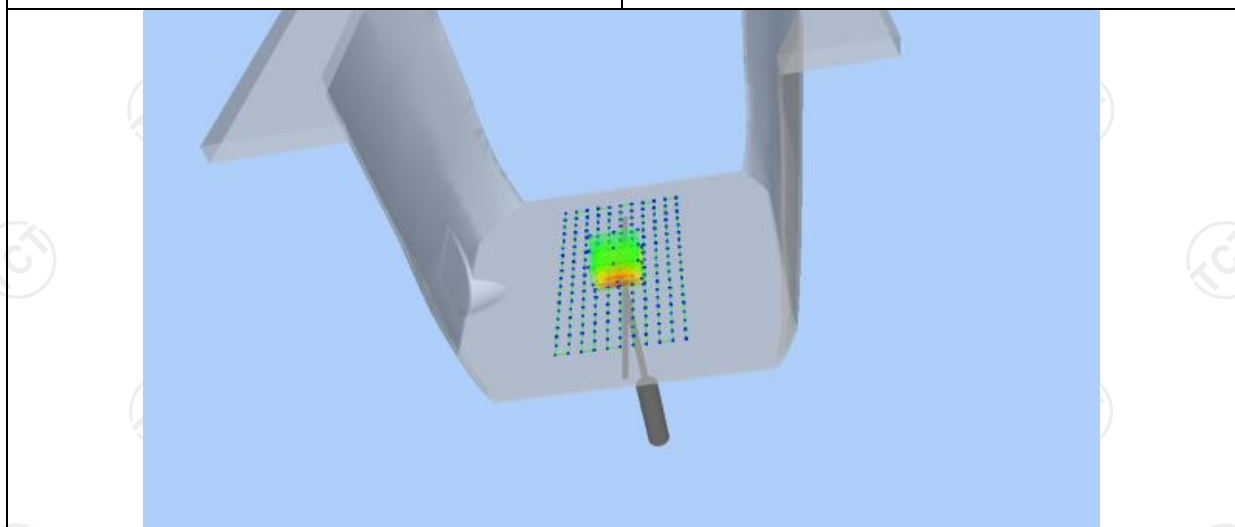
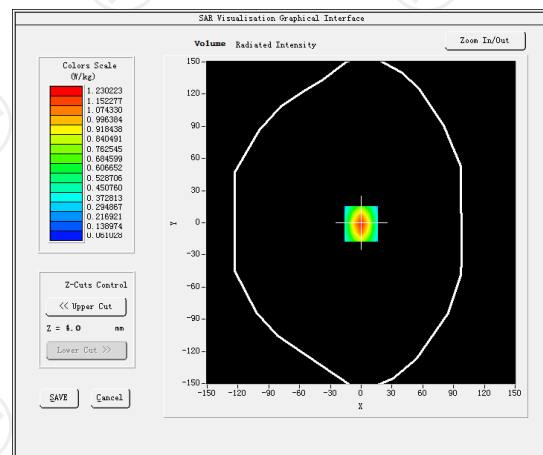
E-Field Probe: SSE2 (SN 25/22 EPGO375)

Phantom	Validation plane
Input Power	100mW
Crest Factor	1.0
Probe Conversion factor	1.80
Frequency (MHz)	835.000000
Relative permittivity (real part)	41.417760
Relative permittivity (imaginary part)	18.129852
Conductivity (S/m)	0.874923
Variation (%)	-0.090000
SAR 10g (W/Kg)	0.570250
SAR 1g (W/Kg)	0.886135

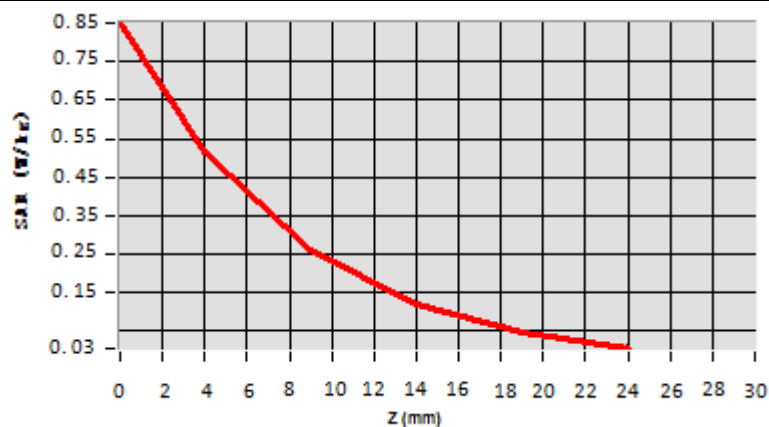
SURFACE SAR



VOLUME SAR



Z (mm)	0.00	4.00	9.00	14.00	19.00
SAR (W/Kg)	0.8625	0.5302	0.2594	0.1302	0.1025



Hot spot position



Date of measurement: 05/10/2023 Test mode: 1800MHz (Head)

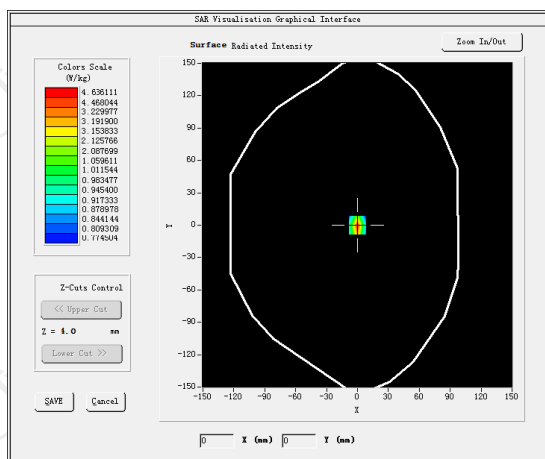
Product Description: Validation

Dipole Model: SID1800

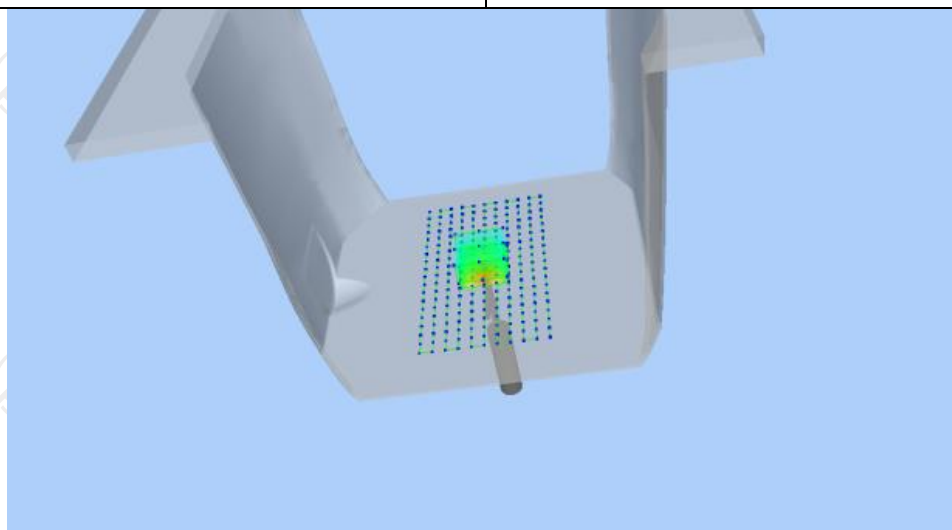
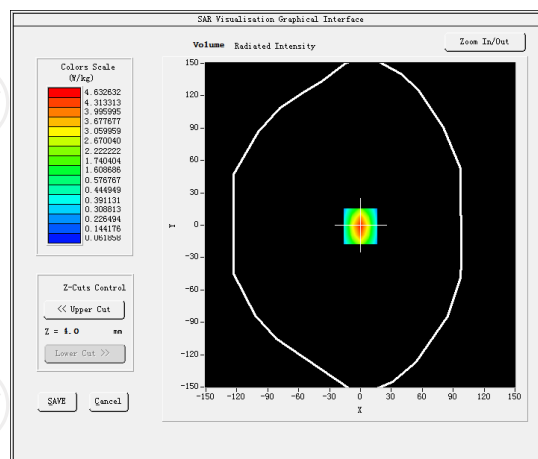
E-Field Probe: SSE2 (SN 25/22 EPGO375)

Phantom	Validation plane
Input Power	100mW
Crest Factor	1.0
Probe Conversion factor	2.08
Frequency (MHz)	1800.000000
Relative permittivity (real part)	39.070000
Relative permittivity (imaginary part)	14.000000
Conductivity (S/m)	1.380000
Variation (%)	1.250000
SAR 10g (W/Kg)	2.201458
SAR 1g (W/Kg)	3.752497

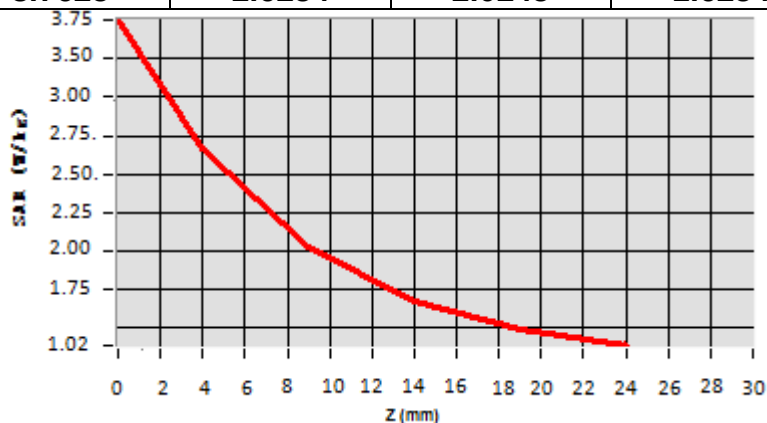
SURFACE SAR



VOLUME SAR



Z (mm)	0.00	4.00	9.00	14.00	19.00
SAR (W/Kg)	3.7625	2.6254	2.0245	1.6254	1.0214

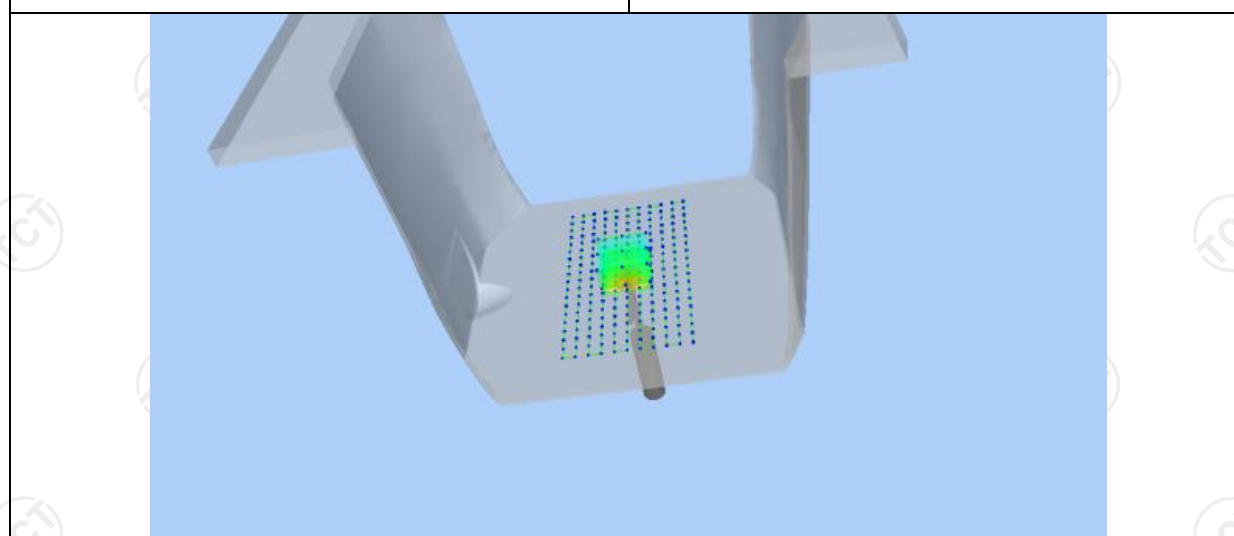
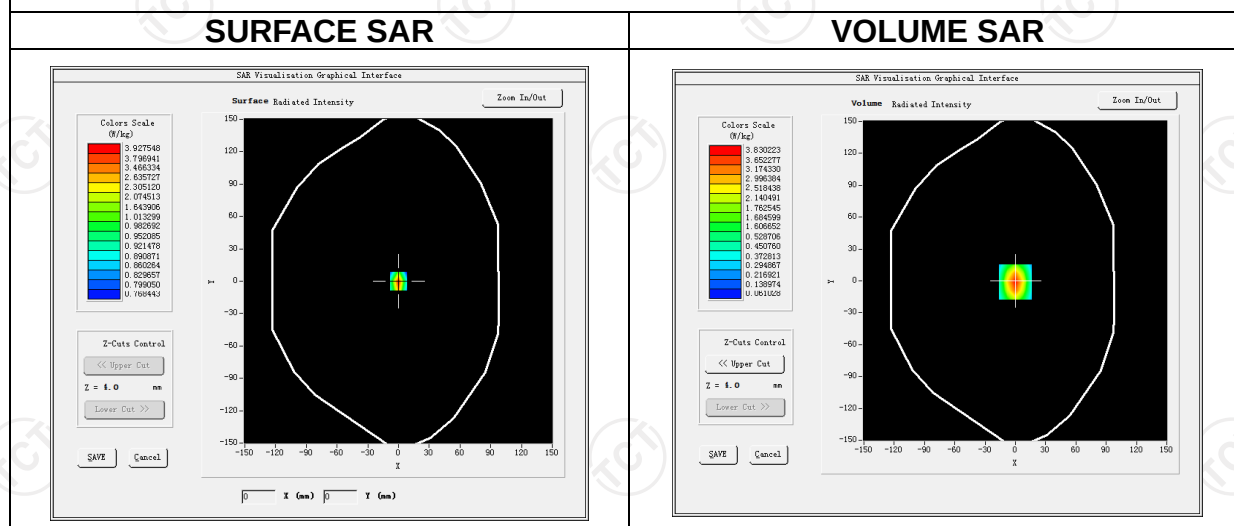


Hot spot position

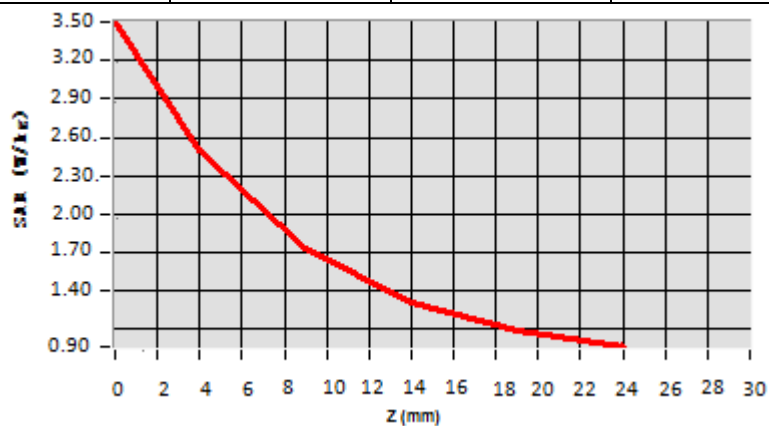


Date of measurement: 05/15/3 Test mode: 1900MHz (Head)
 Product Description: Validation
 Dipole Model: SID1900
 E-Field Probe: SSE2 (SN 25/22 EPGO375)

Phantom	Validation plane
Input Power	100mW
Crest Factor	1.0
Probe Conversion factor	2.23
Frequency (MHz)	1900.000000
Relative permittivity (real part)	39.076721
Relative permittivity (imaginary part)	12.607061
Conductivity (S/m)	1.367609
Variation (%)	-0.910000
SAR 10g (W/Kg)	1.899324
SAR 1g (W/Kg)	3.576354



Z (mm)	0.00	4.00	9.00	14.00	19.00
SAR (W/Kg)	3.5325	2.5687	1.7025	1.3025	0.1125



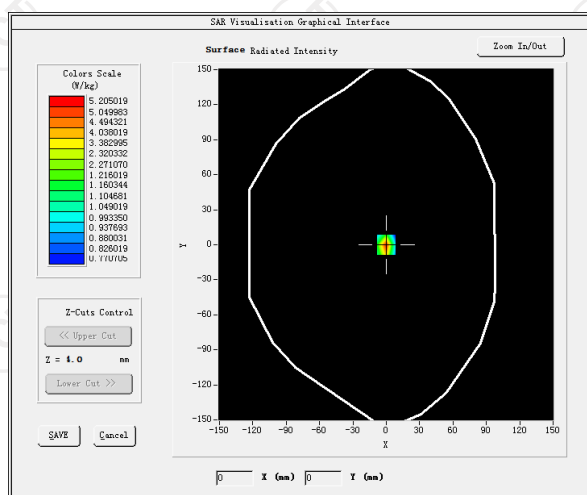
Hot spot position



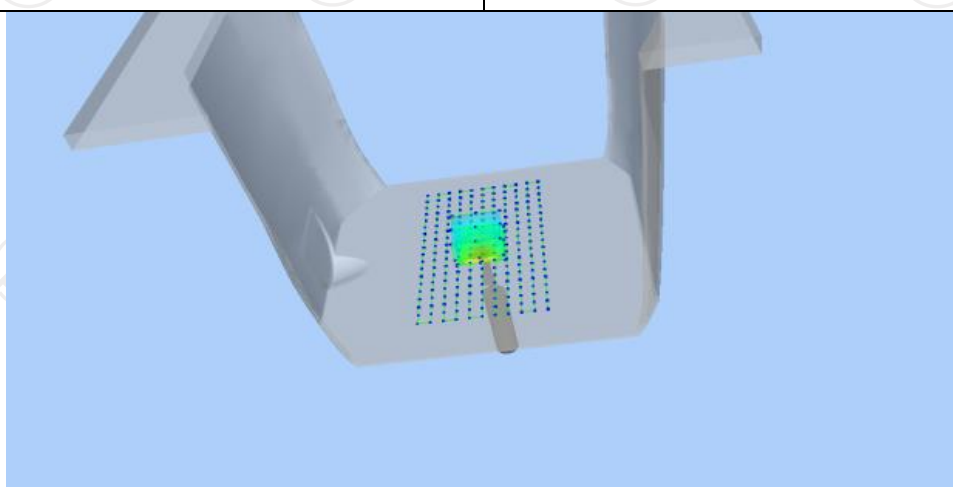
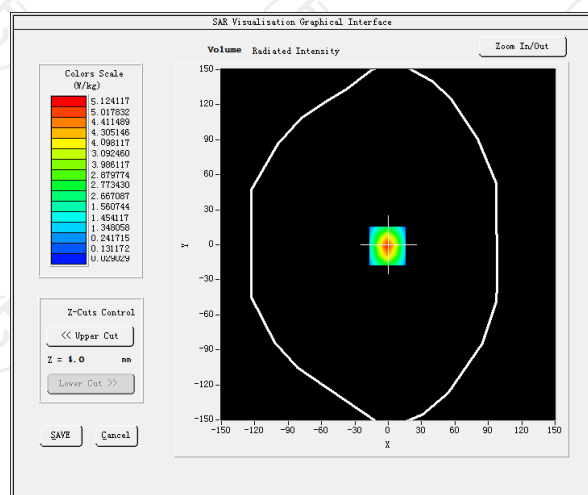
Date of measurement: 05/19/2023 Test mode: 2450MHz (Head)
 Product Description: Validation
 Dipole Model: SID2450
 E-Field Probe: SSE2 (SN 25/22 EPGO375)

Phantom	Validation plane
Input Power	100mW
Crest Factor	1.0
Probe Conversion factor	2.31
Frequency (MHz)	2450.000000
Relative permittivity (real part)	37.821613
Relative permittivity (imaginary part)	13.546980
Conductivity (S/m)	1.834111
Variation (%)	-0.470000
SAR 10g (W/Kg)	2.364445
SAR 1g (W/Kg)	4.994244

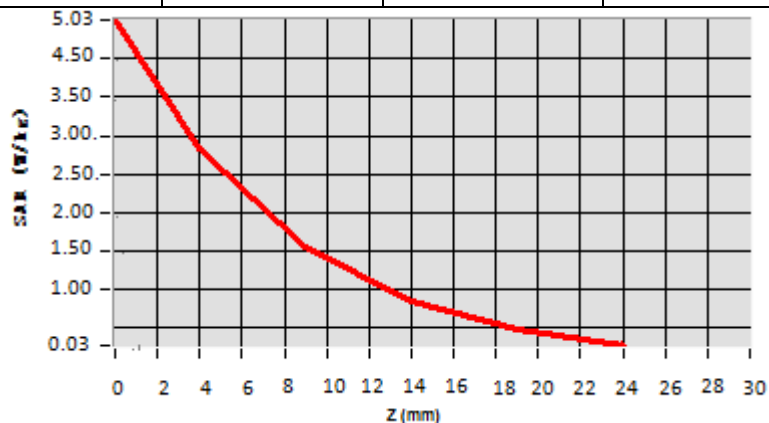
SURFACE SAR



VOLUME SAR



Z (mm)	0.00	4.00	9.00	14.00	19.00
SAR (W/Kg)	5.0262	2.7584	1.5026	0.8252	0.4125



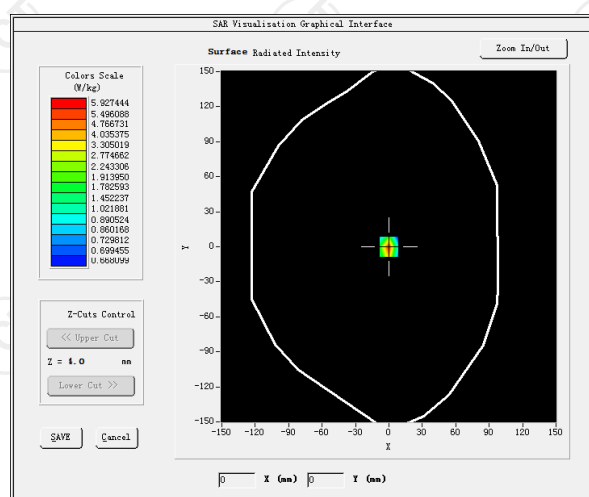
Hot spot position



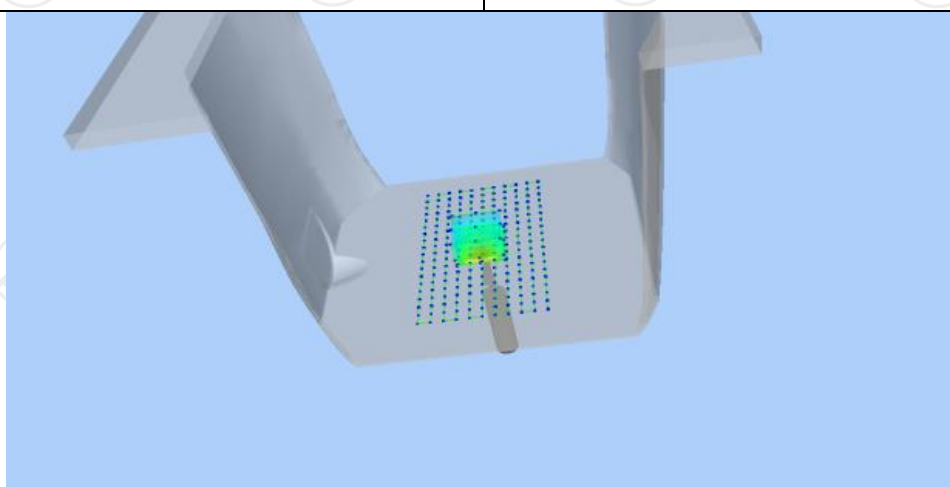
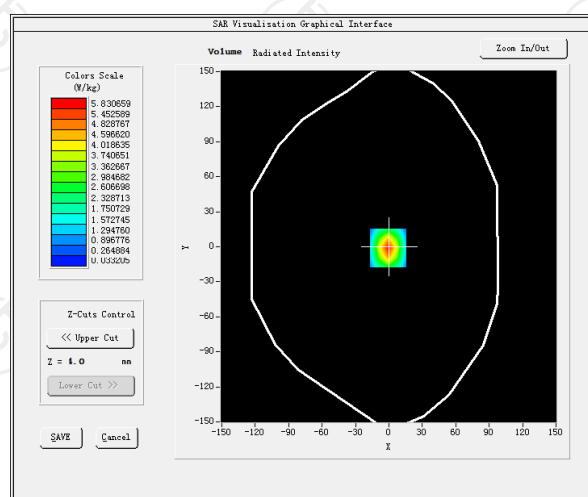
Date of measurement: 05/22/2023 Test mode: 2600MHz (Head)
 Product Description: Validation
 Dipole Model: SID2600
 E-Field Probe: SSE2 (SN 25/22 EPGO375)

Phantom	Validation plane
Input Power	100mW
Crest Factor	1.0
Probe Conversion factor	4.36
Frequency (MHz)	2535.000000
Relative permittivity (real part)	38.853477
Relative permittivity (imaginary part)	13.545489
Conductivity (S/m)	1.922567
Variation (%)	-1.360000
SAR 10g (W/Kg)	2.430127
SAR 1g (W/Kg)	5.413744

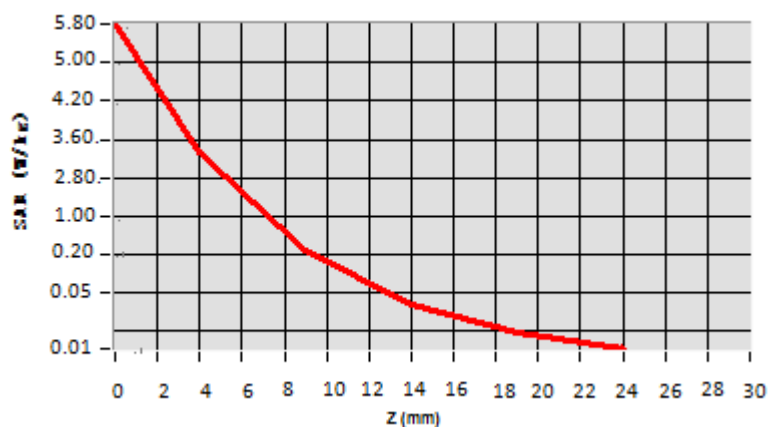
SURFACE SAR



VOLUME SAR



Z (mm)	0.00	4.00	9.00	14.00	19.00
SAR (W/Kg)	5.7893	3.2375	0.2098	0.0387	0.0249



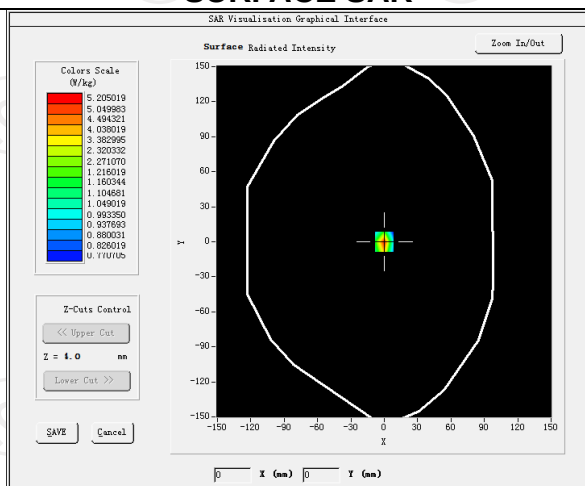
Hot spot position



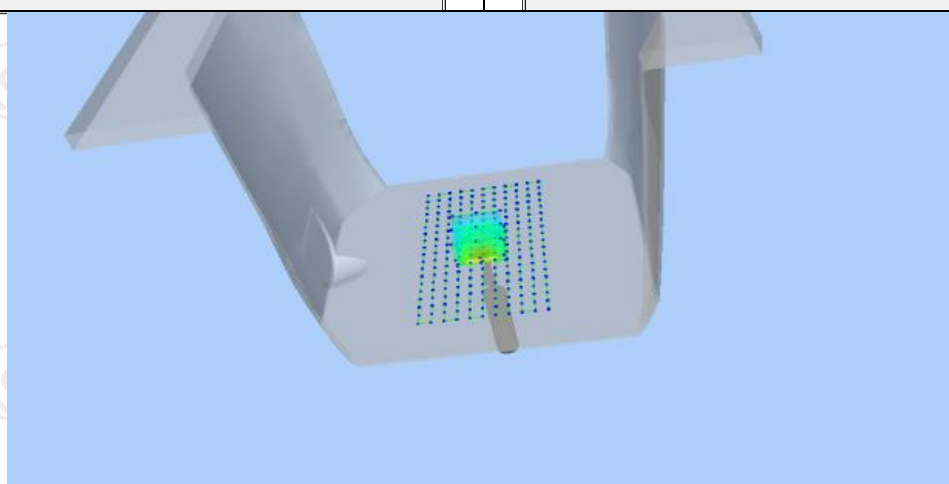
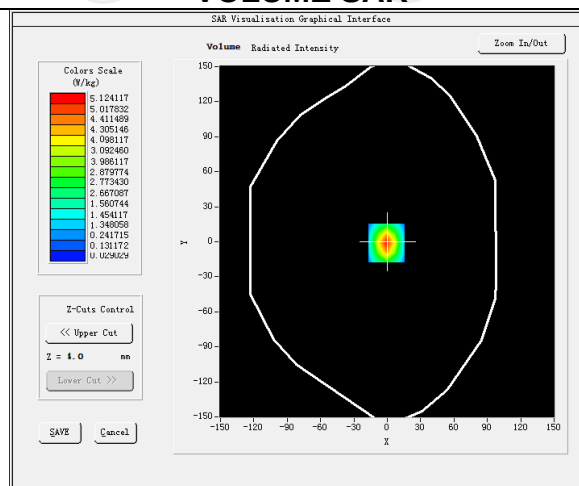
Date of measurement: 05/26/2023 Test mode: 5200MHz (Head)
 Product Description: Validation
 Dipole Model: SID5200
 E-Field Probe: SSE2 (SN 25/22 EPGO375)

Phantom	Validation plane
Input Power	100mW
Crest Factor	1.0
Probe Conversion factor	2.01
Frequency (MHz)	5200.000000
Relative permittivity (real part)	35.068832
Relative permittivity (imaginary part)	13.679428
Conductivity (S/m)	5.220788
Variation (%)	-0.820000
SAR 10g (W/Kg)	1.807521
SAR 1g (W/Kg)	5.012481

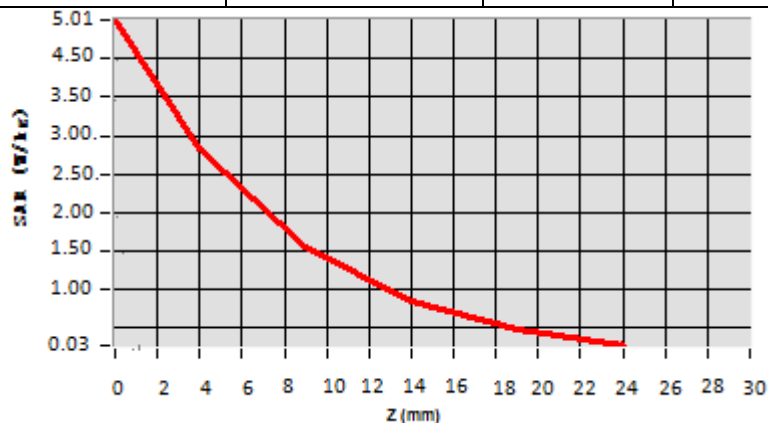
SURFACE SAR



VOLUME SAR



Z (mm)	0.00	4.00	9.00	14.00	19.00
SAR (W/Kg)	5.0132	2.7584	1.5026	0.8252	0.4125



Hot spot position



Date of measurement: 05/30/2023 Test mode: 5800MHz (Head)

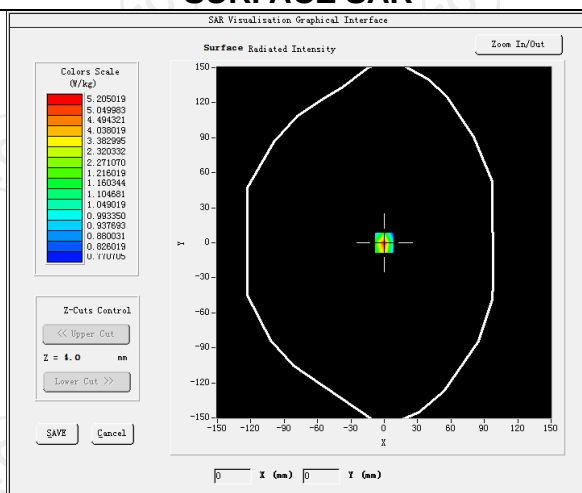
Product Description: Validation

Dipole Model: SID5800

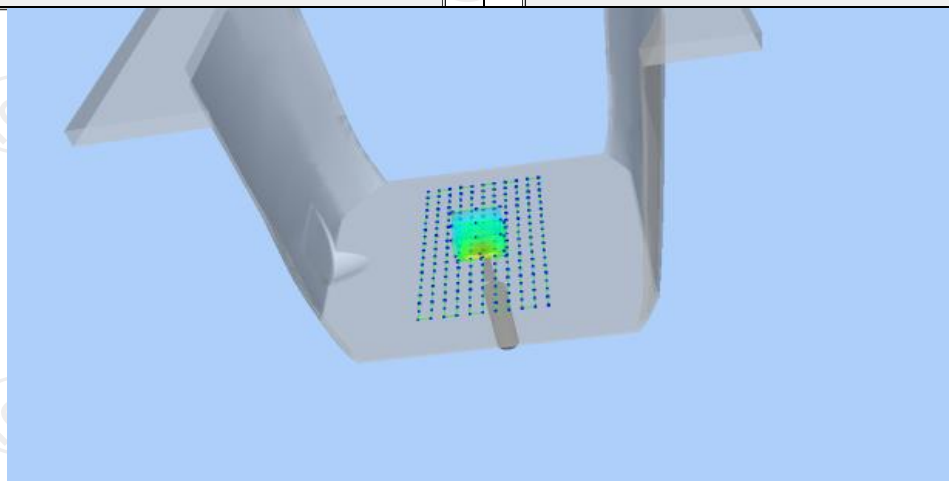
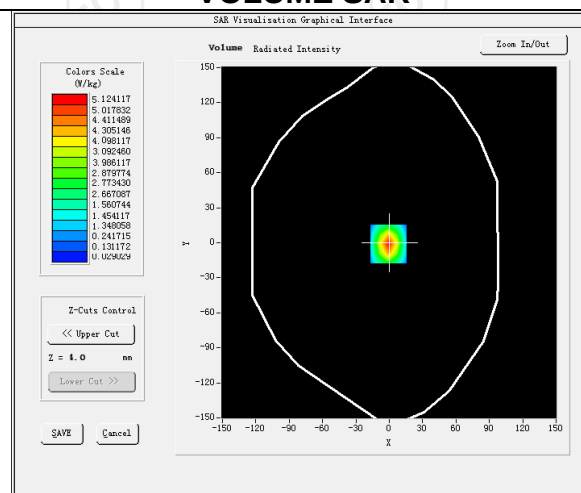
E-Field Probe: SSE2 (SN 25/22 EPGO375)

Phantom	Validation plane
Input Power	100mW
Crest Factor	1.0
Probe Conversion factor	2.06
Frequency (MHz)	5800.000000
Relative permittivity (real part)	38.352823
Relative permittivity (imaginary part)	13.671675
Conductivity (S/m)	5.430828
Variation (%)	-2.800000
SAR 10g (W/Kg)	2.005121
SAR 1g (W/Kg)	5.063573

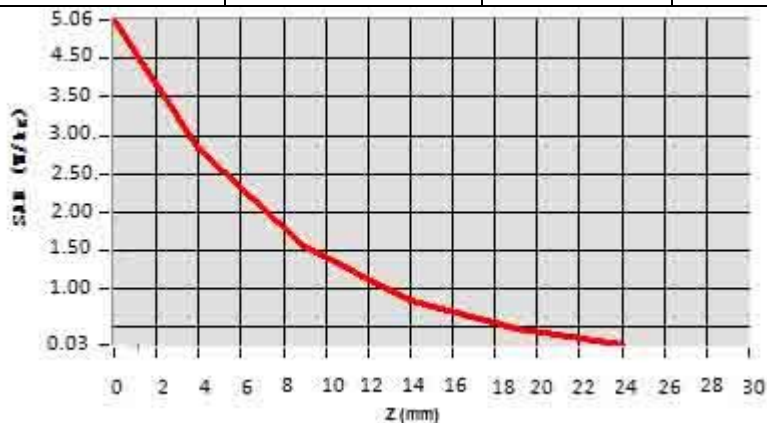
SURFACE SAR



VOLUME SAR



Z (mm)	0.00	4.00	9.00	14.00	19.00
SAR (W/Kg)	5.0622	2.8054	1.5421	0.8321	0.4130



Hot spot position



12. SAR Test Data

GSM850

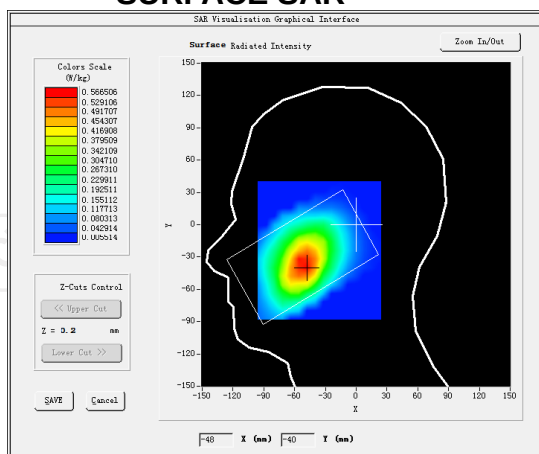
MEASUREMENT 1

Middle Band SAR (Channel 190)

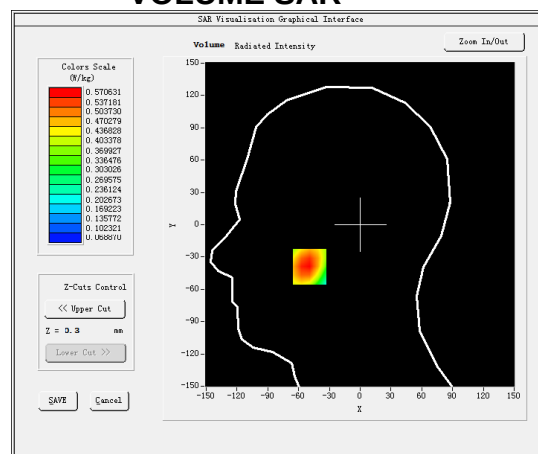
Date:05/05/2023

Frequency (MHz)	836.600000
Relative permittivity (real part)	41.417760
Relative permittivity (imaginary part)	18.129852
Conductivity (S/m)	0.874923
Variation (%)	3.240000
Crest Factor:	1.0
Probe Conversion factor	1.80
E-Field Probe:	SSE2 (SN 25/22 EPG0375)
Area Scan	<u>dx=8mm dy=8mm, h= 5.00 mm</u>
ZoomScan	<u>5x5x7,dx=8mm dy=8mm</u> <u>dz=5mm,Complete/ndx=8mm dy=8mm, h=</u> <u>5.00 mm</u>
Phantom	<u>Left head</u>
Device Position	<u>Cheek</u>
Band	<u>GSM850(voice)</u>

SURFACE SAR



VOLUME SAR



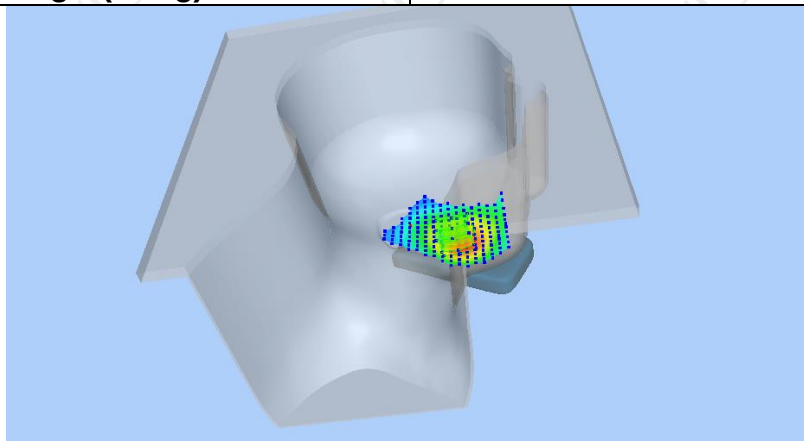
Maximum location: X=-49.00, Y=-39.00 SAR Peak: 0.75 W/kg

SAR 10g (W/Kg)

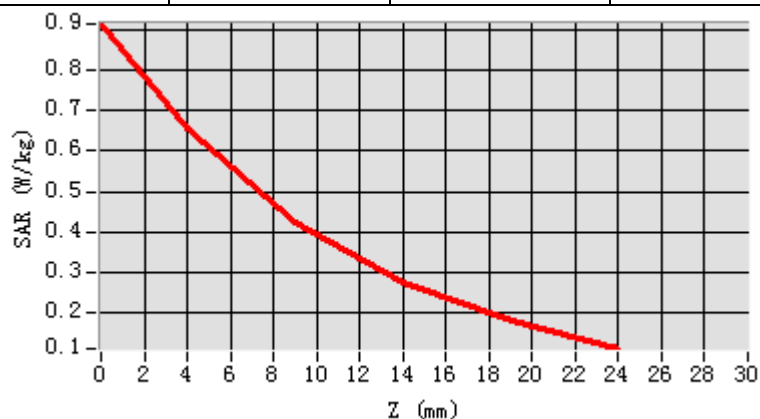
0.284282

SAR 1g (W/Kg)

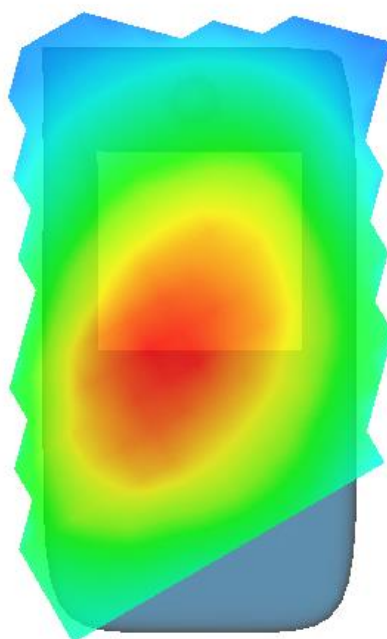
0.421701



Z (mm)	0.00	4.00	9.00	14.00	19.00
SAR (W/Kg)	0.9139	0.6546	0.4255	0.2757	0.1792



Hot spot position



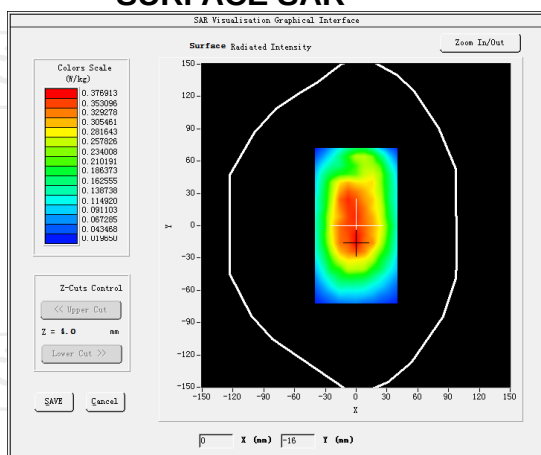
MEASUREMENT 2

Middle Band SAR (Channel 190)

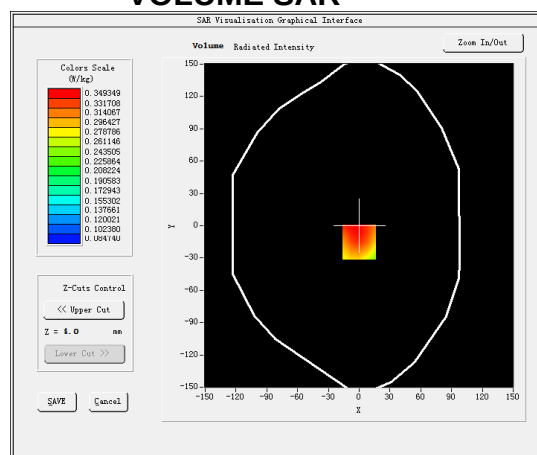
Date: 05/05/2023

Frequency (MHz)	836.600000
Relative permittivity (real part)	41.417760
Relative permittivity (imaginary part)	18.129852
Conductivity (S/m)	0.874923
Variation (%)	-2.600000
Crest Factor:	1.0
Probe Conversion factor	1.80
E-Field Probe:	SSE2 (SN 25/22 EPG0375)
Area Scan	<u>dx=8mm dy=8mm, h= 5.00 mm</u>
ZoomScan	<u>5x5x7,dx=8mm dy=8mm</u> <u>dz=5mm,Complete/ndx=8mm dy=8mm, h=</u> <u>5.00 mm</u>
Phantom	<u>Validation plane</u>
Device Position	<u>Body back(10mm)</u>
Band	<u>GSM850(Voice)</u>

SURFACE SAR

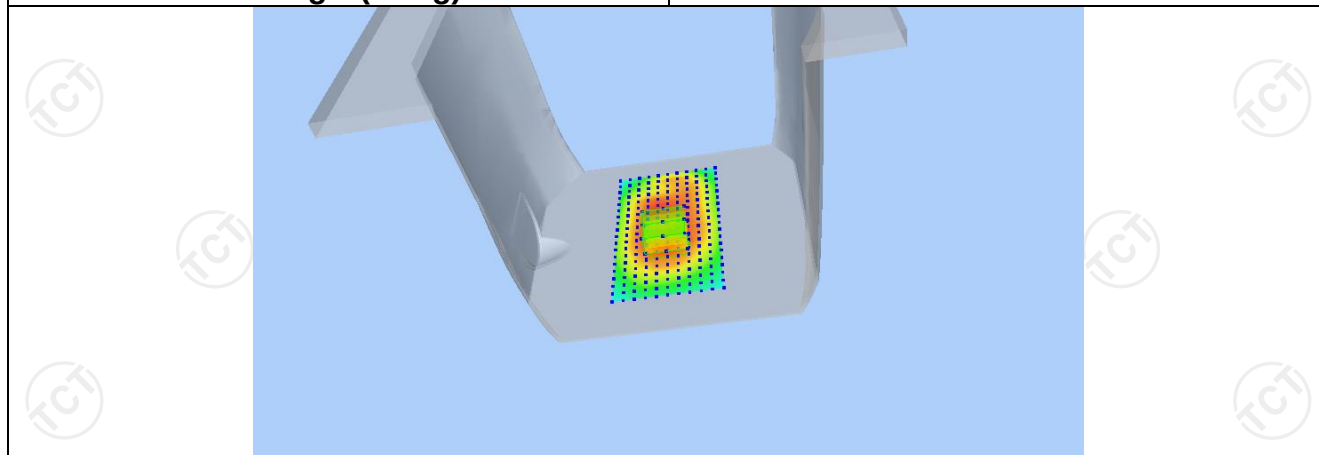


VOLUME SAR

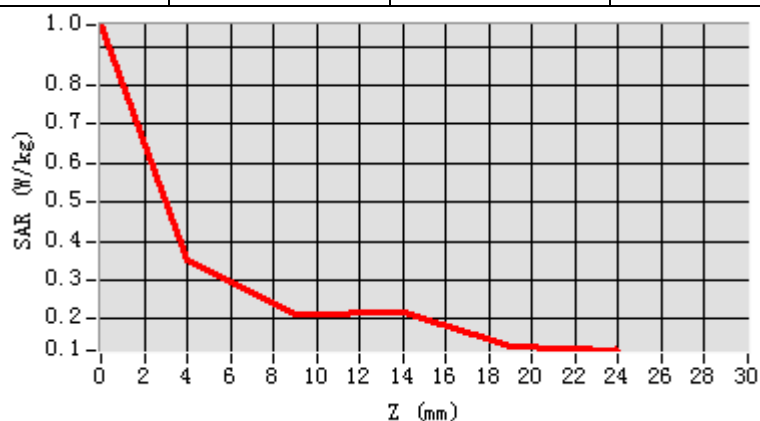


Maximum location: X=0.00, Y=-15.00 SAR Peak: 0.43 W/kg

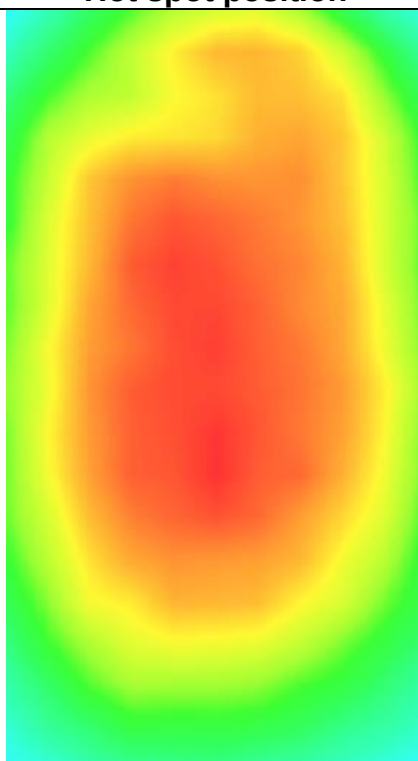
SAR 10g (W/Kg)	0.231614
SAR 1g (W/Kg)	0.319593



Z (mm)	0.00	4.00	9.00	14.00	19.00
SAR (W/Kg)	0.9547	0.3493	0.2145	0.2163	0.1300



Hot spot position



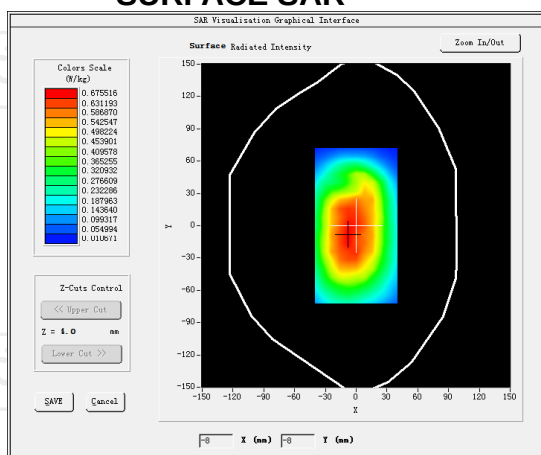
MEASUREMENT 3

Low Band SAR (Channel 128)

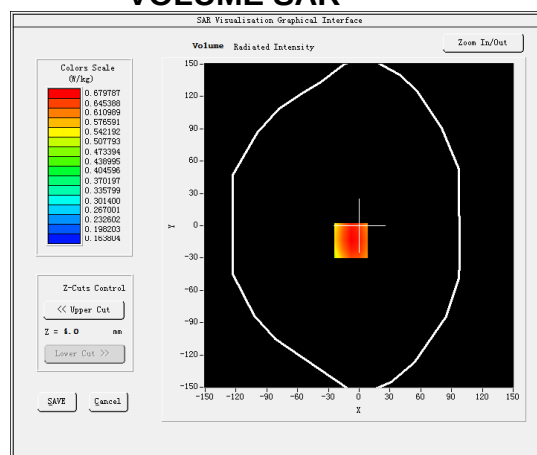
Date: 05/05/2023

Frequency (MHz)	824.200000
Relative permittivity (real part)	41.417760
Relative permittivity (imaginary part)	18.129852
Conductivity (S/m)	0.874923
Variation (%)	0.200000
Crest Factor:	1.0
Probe Conversion factor	1.80
E-Field Probe:	SSE2 (SN 25/22 EPG0375)
Area Scan	<u>dx=8mm dy=8mm, h= 5.00 mm</u>
ZoomScan	<u>5x5x7, dx=8mm dy=8mm</u> <u>dz=5mm, Complete/ndx=8mm dy=8mm, h=</u> <u>5.00 mm</u>
Phantom	<u>Validation plane</u>
Device Position	<u>Body back(10mm)</u>
Band	<u>GSM850(GPRS 2slot)</u>

SURFACE SAR

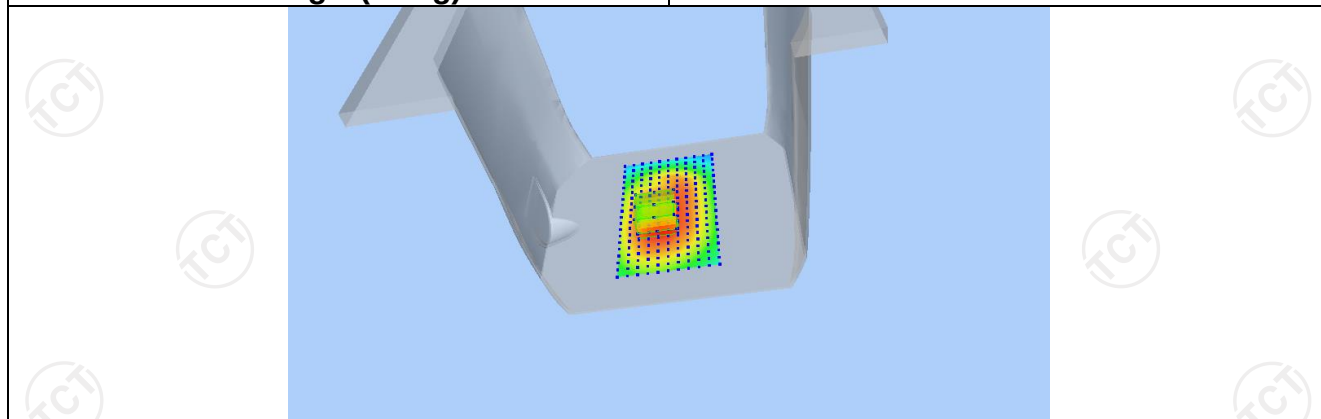


VOLUME SAR

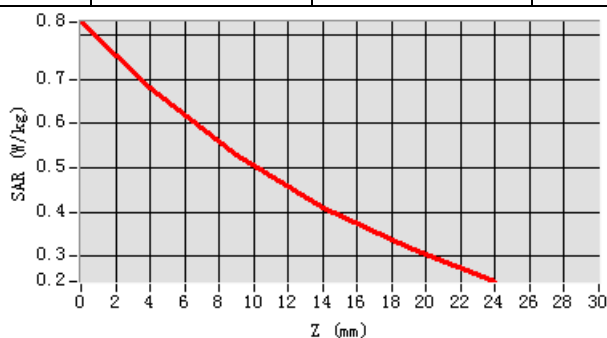


Maximum location: X=-8.00, Y=-14.00 SAR Peak: 0.84 W/kg

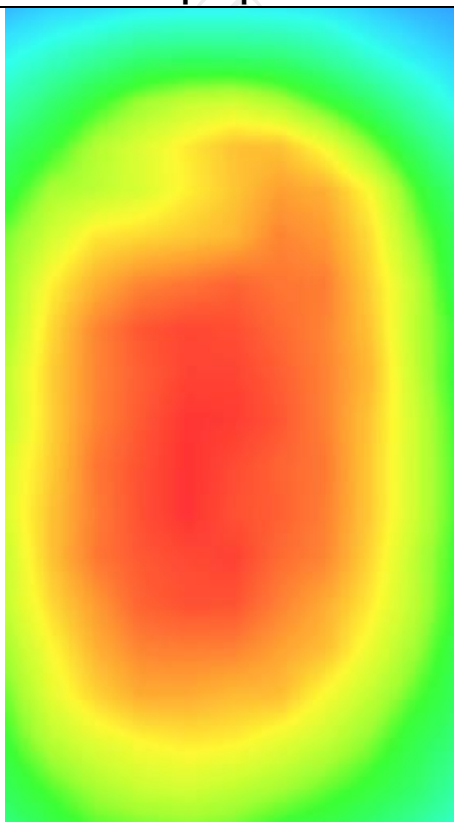
SAR 10g (W/Kg)	0.370500
SAR 1g (W/Kg)	0.520366



Z (mm)	0.00	4.00	9.00	14.00	19.00
SAR (W/Kg)	0.8297	0.6798	0.5281	0.4101	0.3180



Hot spot position



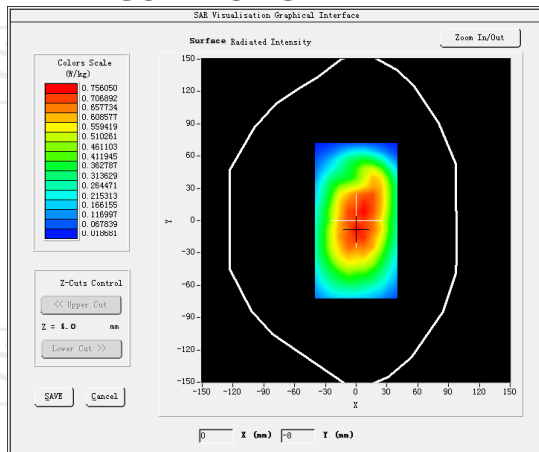
MEASUREMENT 4

Low Band SAR (Channel 128)

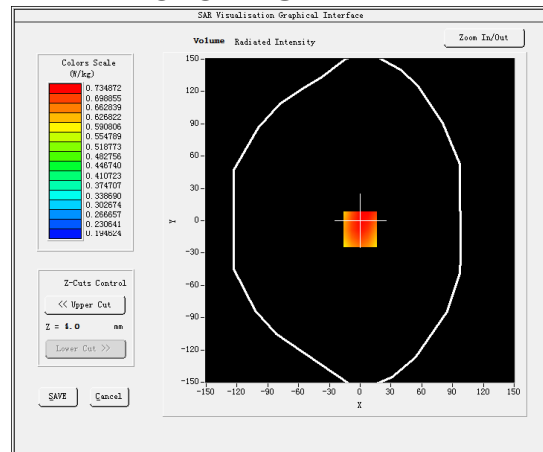
Date: 05/05/2023

Frequency (MHz)	824.200000
Relative permittivity (real part)	41.417760
Relative permittivity (imaginary part)	18.129852
Conductivity (S/m)	0.874923
Variation (%)	-0.370000
Crest Factor:	1.0
Probe Conversion factor	1.80
E-Field Probe:	SSE2 (SN 25/22 EPG0375)
Area Scan	<u>dx=8mm dy=8mm, h= 5.00 mm</u>
ZoomScan	<u>5x5x7, dx=8mm dy=8mm</u> <u>dz=5mm, Complete/ndx=8mm dy=8mm, h=</u> <u>5.00 mm</u>
Phantom	<u>Validation plane</u>
Device Position	<u>Body back(10mm)</u>
Band	<u>GSM850(GPRS 2slot hotspot)</u>

SURFACE SAR

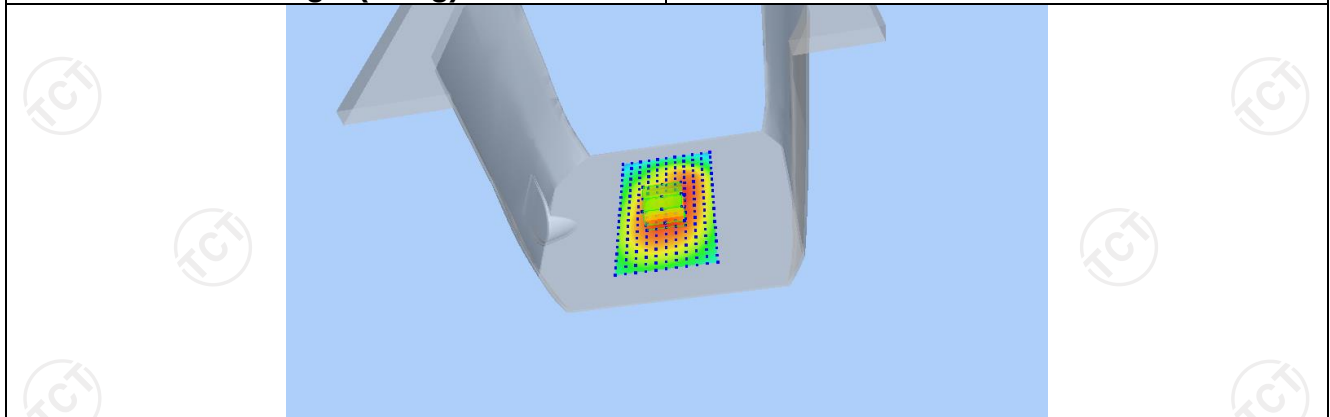


VOLUME SAR

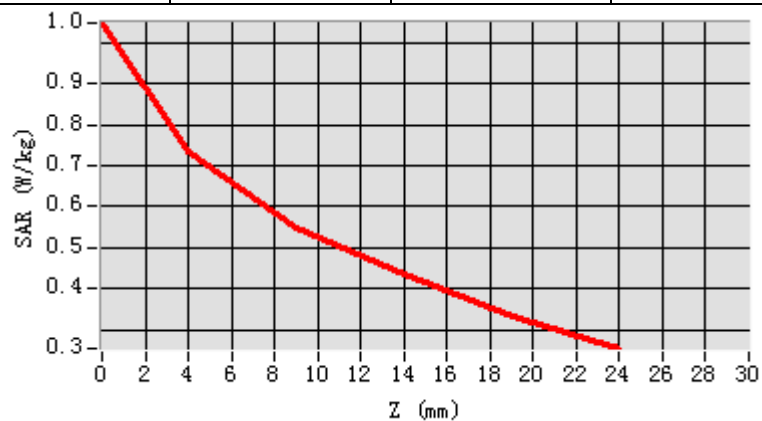


Maximum location: X=0.00, Y=-8.00 SAR Peak: 0.92 W/kg

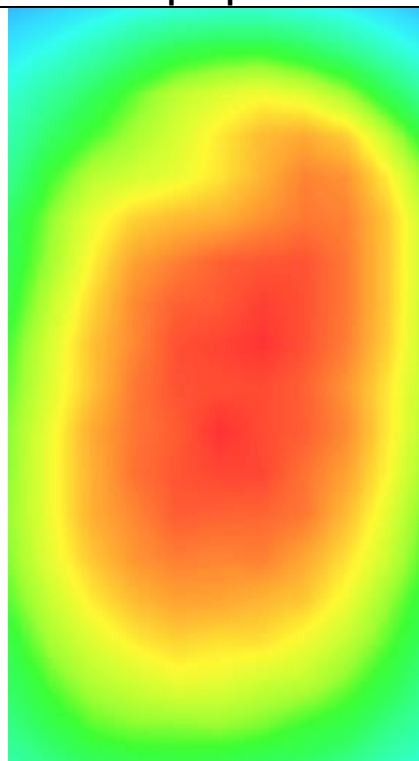
SAR 10g (W/Kg)	0.530886
SAR 1g (W/Kg)	0.702812



Z (mm)	0.00	4.00	9.00	14.00	19.00
SAR (W/Kg)	1.0470	0.7349	0.5467	0.4377	0.3352



Hot spot position



GSM1900

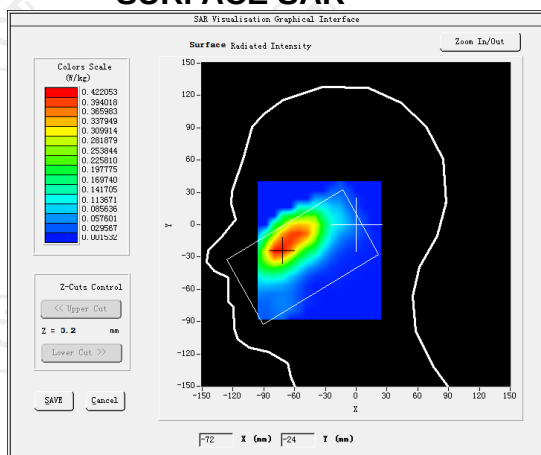
MEASUREMENT 1

High Band SAR (Channel 810):

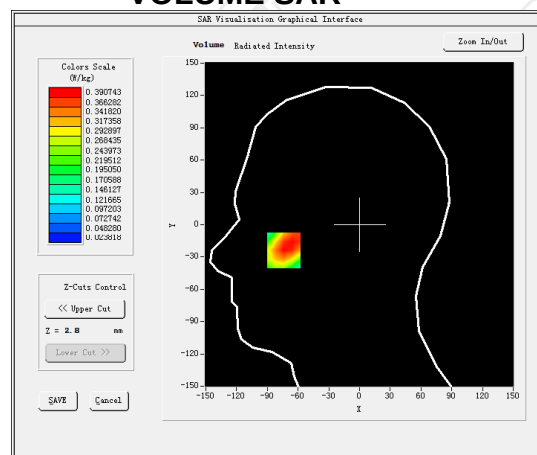
Date: 05/15/2023

Frequency (MHz)	1809.800000
Relative permittivity (real part)	39.076721
Relative permittivity (imaginary part)	12.607061
Conductivity (S/m)	1.367609
Variation (%)	2.650000
Crest Factor	1.0
Probe Conversion factor	2.23
E-Field Probe:	SSE2 (SN 25/22 EPG0375)
Area Scan	dx=8mm dy=8mm, h= 5.00 mm
ZoomScan	5x5x7,dx=8mm dy=8mm dz=5mm,Complete/ndx=8mm dy=8mm, h= 5.00 mm
Phantom	Left head
Device Position	Cheek
Band	GSM1900(voice)

SURFACE SAR

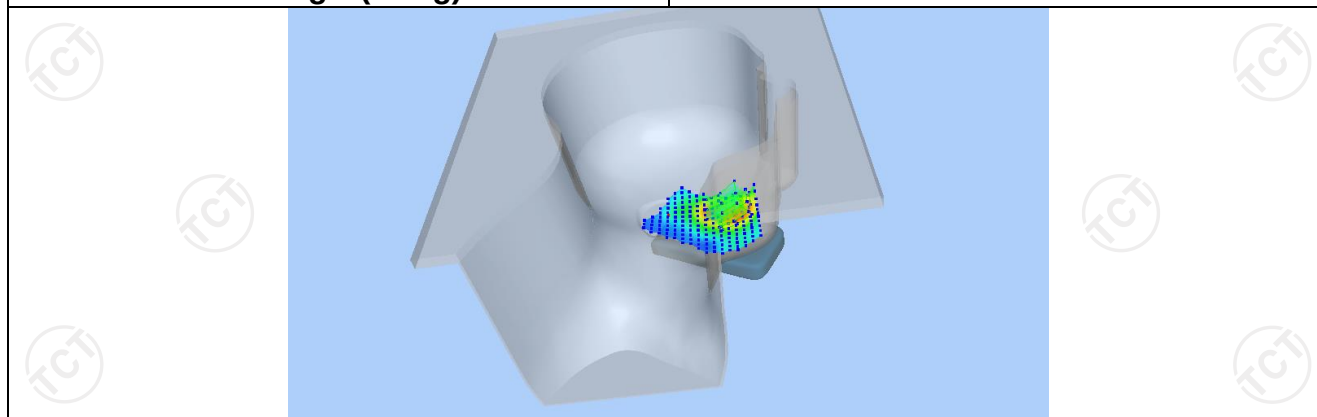


VOLUME SAR

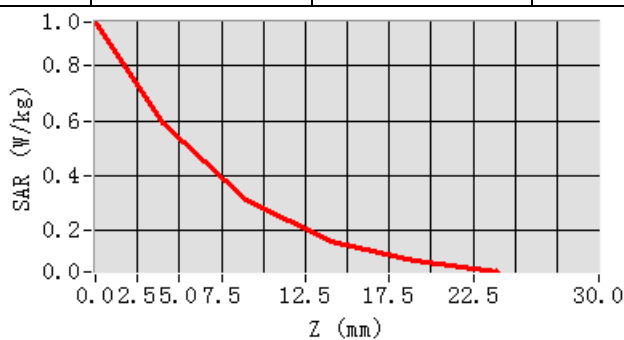


Maximum location: X=8.00, Y=-17.00 SAR Peak: 0.97 W/kg

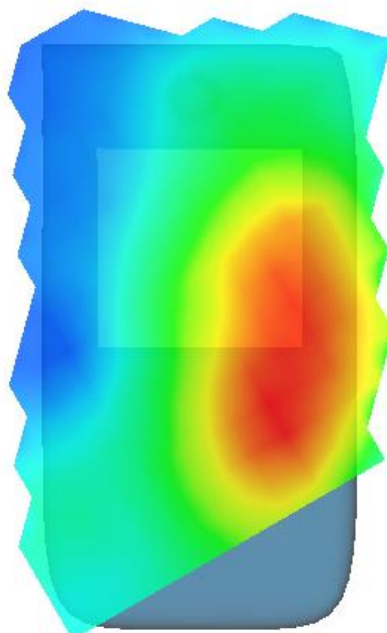
SAR 10g (W/Kg)	0.311983
SAR 1g (W/Kg)	0.565120



Z (mm)	0.00	4.00	9.00	14.00	19.00
SAR (W/Kg)	0.9585	0.5893	0.3096	0.1629	0.0905



Hot spot position



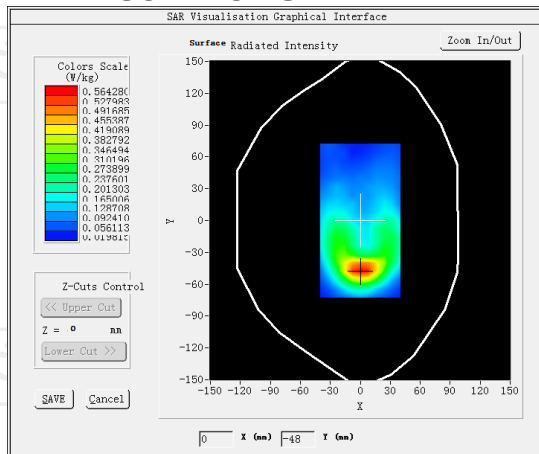
MEASUREMENT 2

High Band SAR (Channel 810):

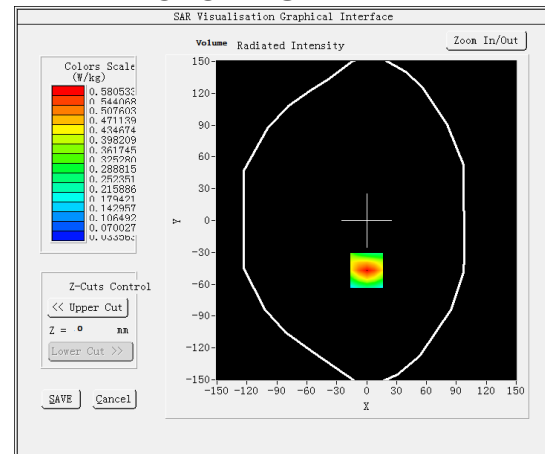
Date: 05/15/2023

Frequency (MHz)	1909.800000
Relative permittivity (real part)	39.076721
Relative permittivity (imaginary part)	12.607061
Conductivity (S/m)	1.367609
Variation (%)	-1.680000
Crest Factor	1.0
Probe Conversion factor	2.23
E-Field Probe:	SSE2 (SN 25/22 EPG0375)
Area Scan	<u>dx=8mm dy=8mm, h= 5.00 mm</u>
ZoomScan	<u>5x5x7,dx=8mm dy=8mm</u> <u>dz=5mm,Complete/ndx=8mm dy=8mm, h=</u> <u>5.00 mm</u>
Phantom	<u>Validation plane</u>
Device Position	<u>Body back(10mm)</u>
Band	<u>GSM1900(voice)</u>

SURFACE SAR

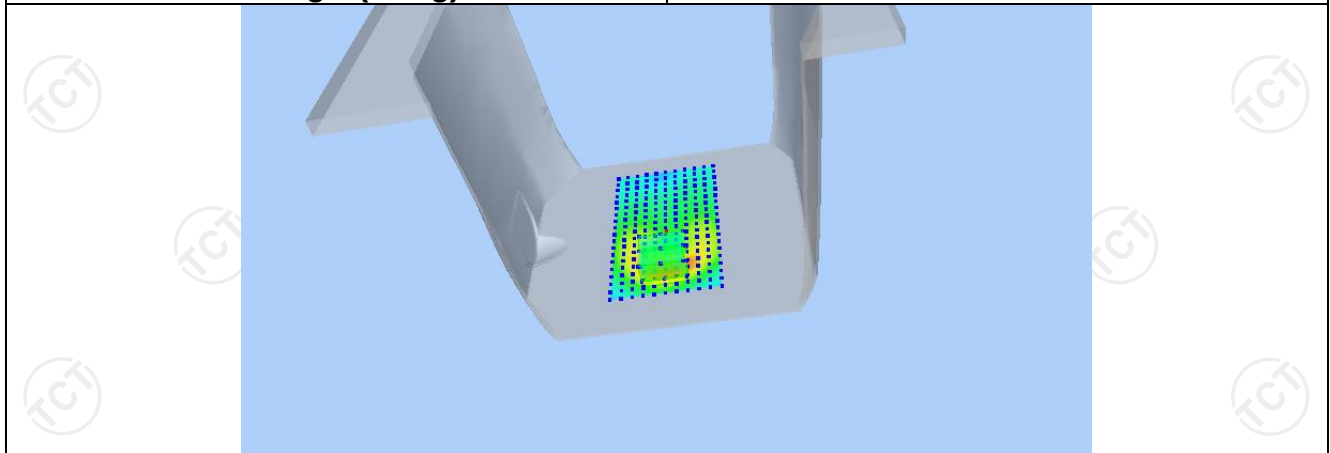


VOLUME SAR

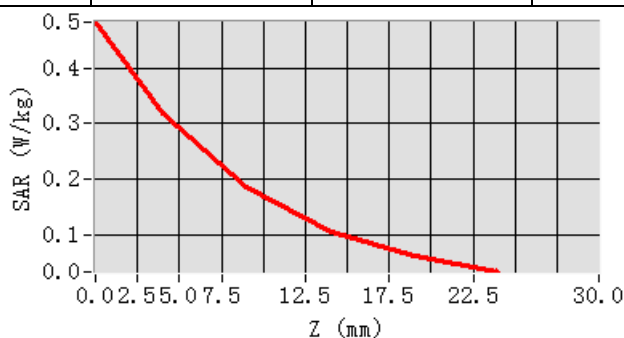


Maximum location: X=-7.00, Y=37.00 SAR Peak: 0.48 W/kg

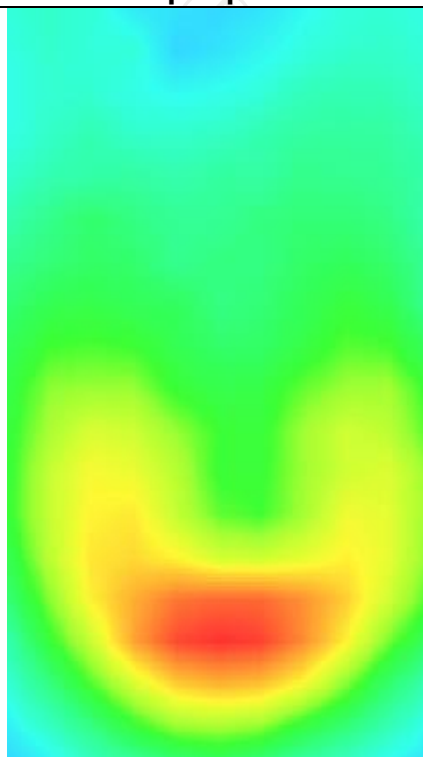
SAR 10g (W/Kg)	0.181735
SAR 1g (W/Kg)	0.305919



Z (mm)	0.00	4.00	9.00	14.00	19.00
SAR (W/Kg)	0.4819	0.3186	0.1852	0.1068	0.0622



Hot spot position



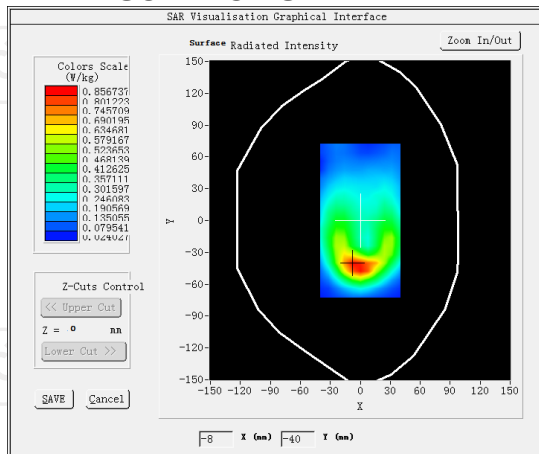
MEASUREMENT 3

High Band SAR (Channel 810):

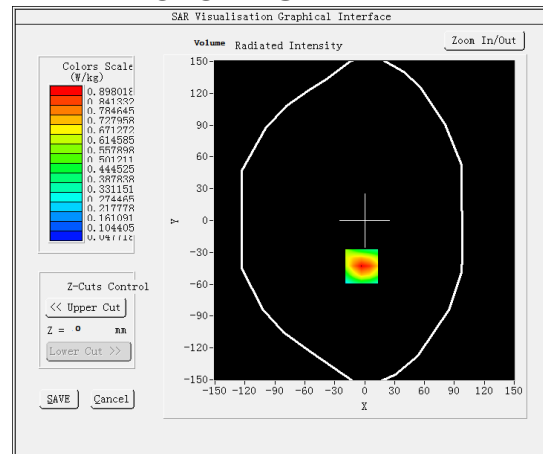
Date: 05/15/2023

Frequency (MHz)	1909.800000
Relative permittivity (real part)	39.076721
Relative permittivity (imaginary part)	12.607061
Conductivity (S/m)	1.367609
Variation (%)	-0.100000
Crest Factor	1.0
Probe Conversion factor	2.23
E-Field Probe:	SSE2 (SN 25/22 EPG0375)
Area Scan	<u>dx=8mm dy=8mm, h= 5.00 mm</u>
ZoomScan	<u>5x5x7,dx=8mm dy=8mm</u> <u>dz=5mm,Complete/ndx=8mm dy=8mm, h=</u> <u>5.00 mm</u>
Phantom	<u>Validation plane</u>
Device Position	<u>Body back(10mm)</u>
Band	<u>GSM1900(GPRS 2slot)</u>

SURFACE SAR

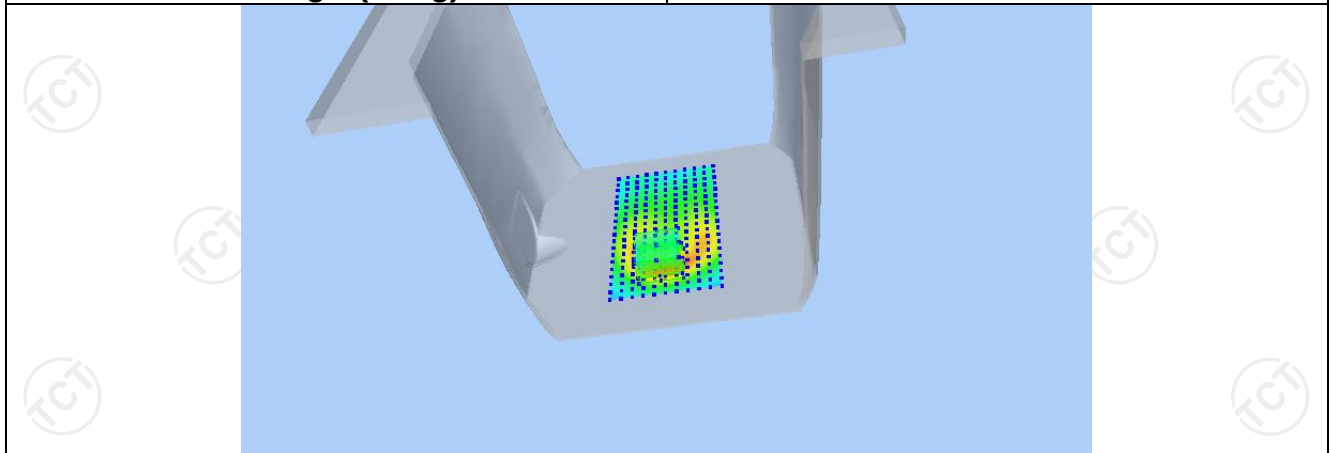


VOLUME SAR

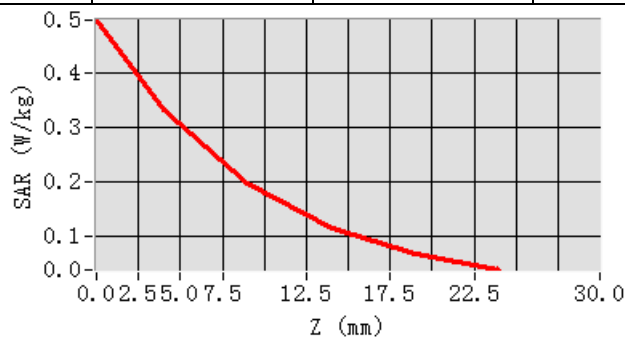


Maximum location: X=-6.00, Y=33.00 SAR Peak:0.50 W/kg

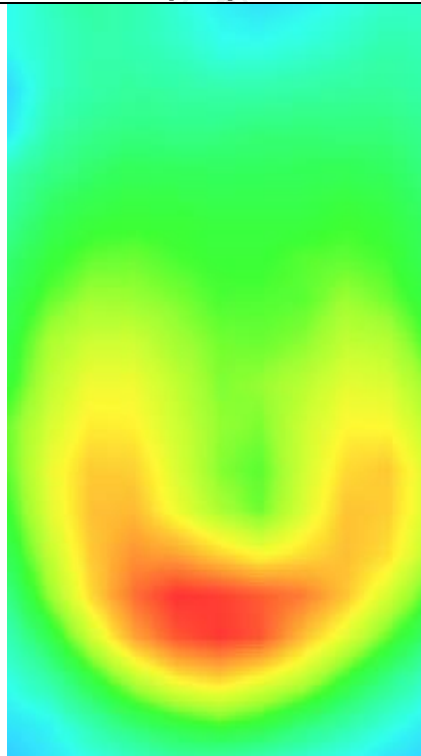
SAR 10g (W/Kg)	0.185317
SAR 1g (W/Kg)	0.315176



Z (mm)	0.00	4.00	9.00	14.00	19.00
SAR (W/Kg)	0.4959	0.3325	0.1968	0.1152	0.0677



Hot spot position



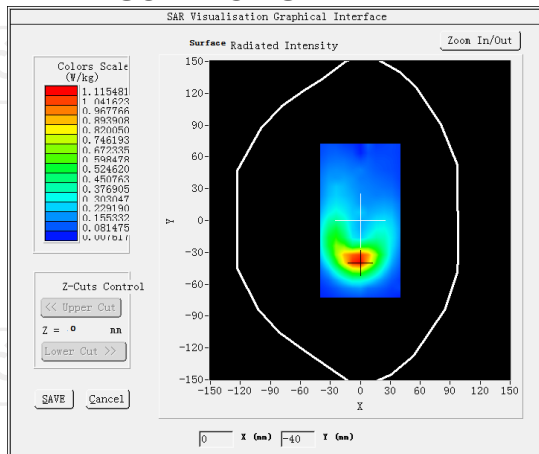
MEASUREMENT 4

High Band SAR (Channel 810):

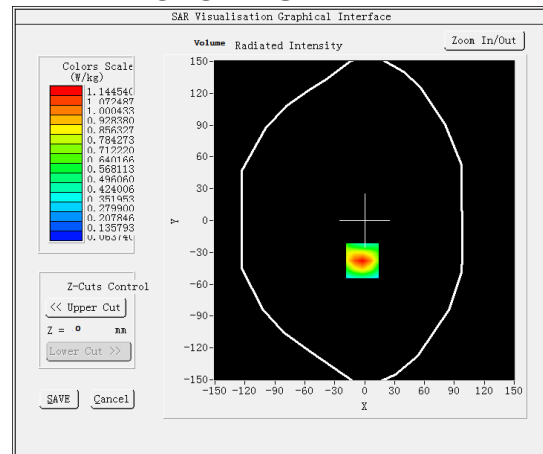
Date: 05/15/2023

Frequency (MHz)	1909.800000
Relative permittivity (real part)	39.076721
Relative permittivity (imaginary part)	12.607061
Conductivity (S/m)	1.367609
Variation (%)	1.170000
Crest Factor	1.0
Probe Conversion factor	2.23
E-Field Probe:	SSE2 (SN 25/22 EPG0375)
Area Scan	<u>dx=8mm dy=8mm, h= 5.00 mm</u>
ZoomScan	<u>5x5x7,dx=8mm dy=8mm</u> <u>dz=5mm,Complete/ndx=8mm dy=8mm, h=</u> <u>5.00 mm</u>
Phantom	<u>Validation plane</u>
Device Position	<u>Body back(10mm)</u>
Band	<u>GSM1900(GPRS 2slot hotspot)</u>

SURFACE SAR

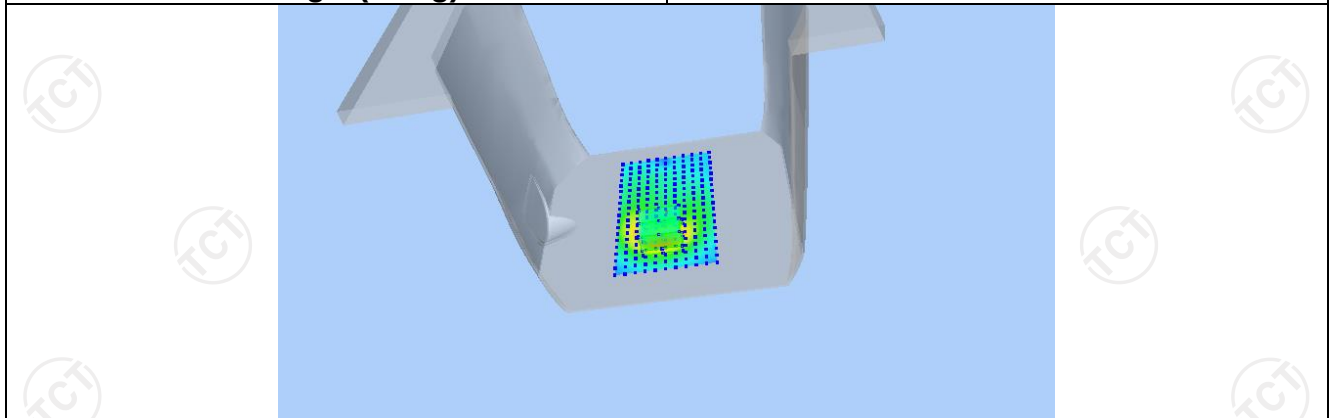


VOLUME SAR

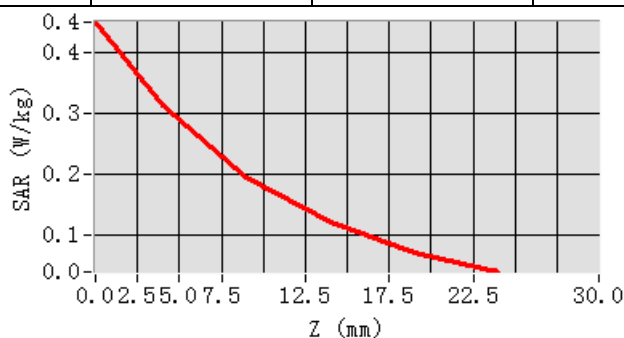


Maximum location: X=6.00, Y=37.00 SAR Peak: 0.45W/kg

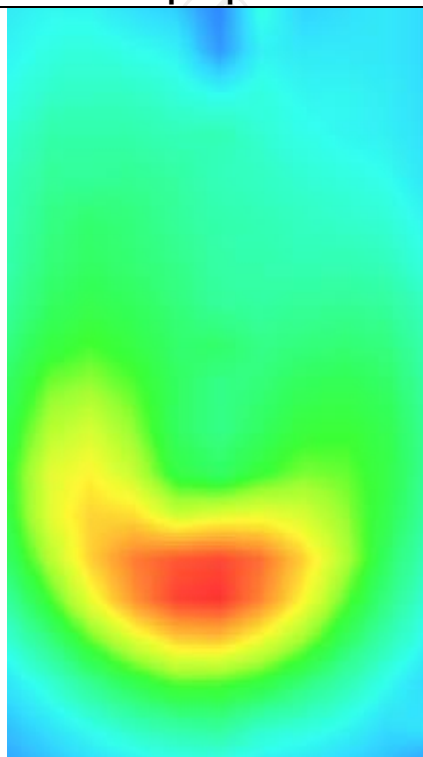
SAR 10g (W/Kg)	0.182845
SAR 1g (W/Kg)	0.300988



Z (mm)	0.00	4.00	9.00	14.00	19.00
SAR (W/Kg)	0.4492	0.3138	0.1956	0.1196	0.0716



Hot spot position



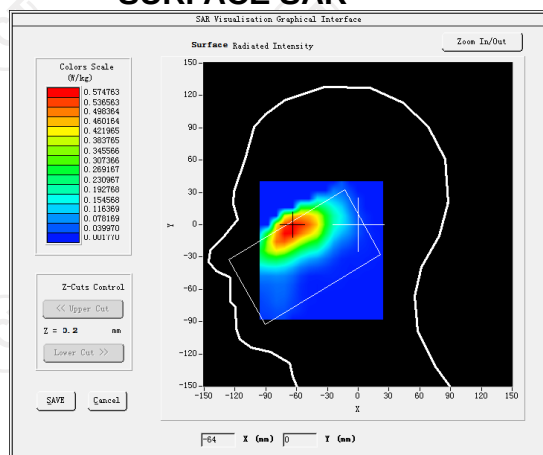
WCDMA Band II MEASUREMENT 1

High Band SAR (Channel 9538):

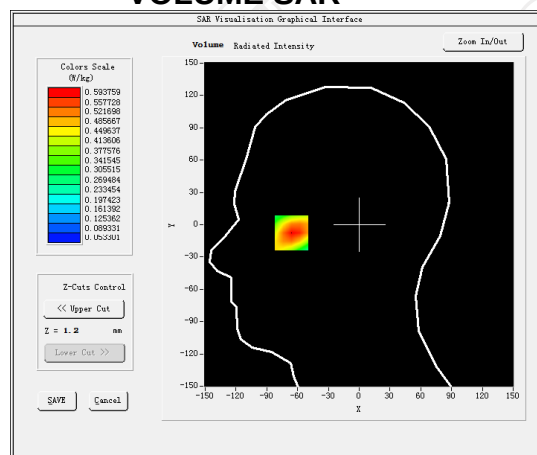
Date: 05/15/2023

Frequency (MHz)	1807.600000
Relative permittivity (real part)	39.076721
Relative permittivity (imaginary part)	12.607061
Conductivity (S/m)	1.367609
Variation (%)	-2.470000
Crest Factor	1.0
Probe Conversion factor	2.23
E-Field Probe:	SSE2 (SN 25/22 EPG0375)
Area Scan	dx=8mm dy=8mm, h= 5.00 mm
ZoomScan	5x5x7,dx=8mm dy=8mm dz=5mm,Complete/ndx=8mm dy=8mm, h= 5.00 mm
Phantom	Left head
Device Position	Cheek
Band	BAND2 WCDMA1900

SURFACE SAR

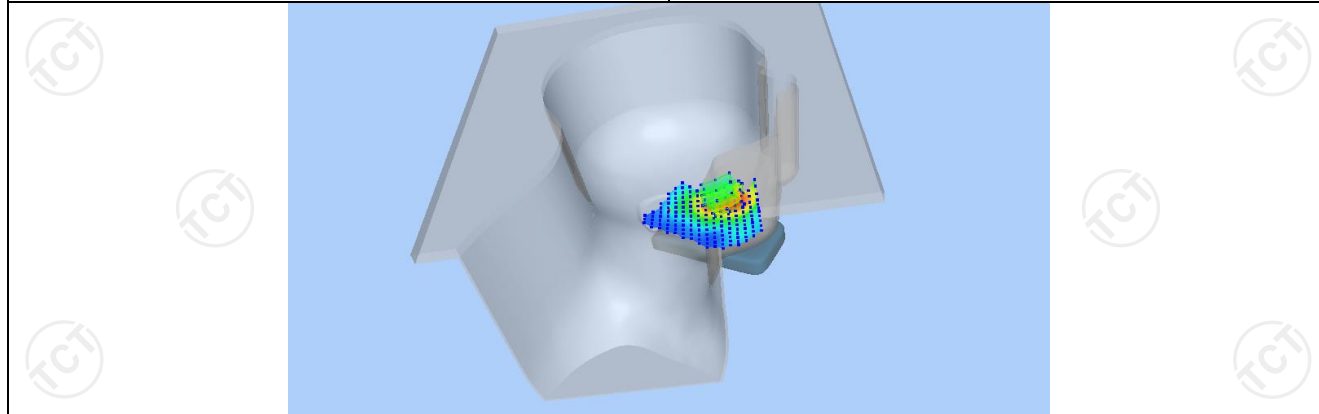


VOLUME SAR

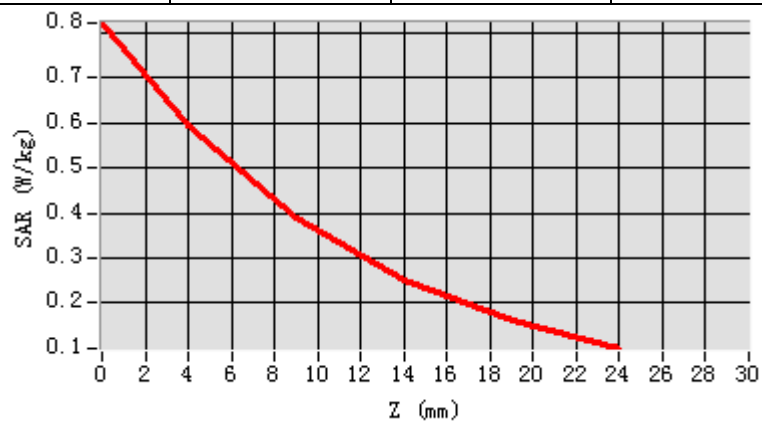


Maximum location: X=-66.00, Y=-5.00 SAR Peak: 0.83 W/kg

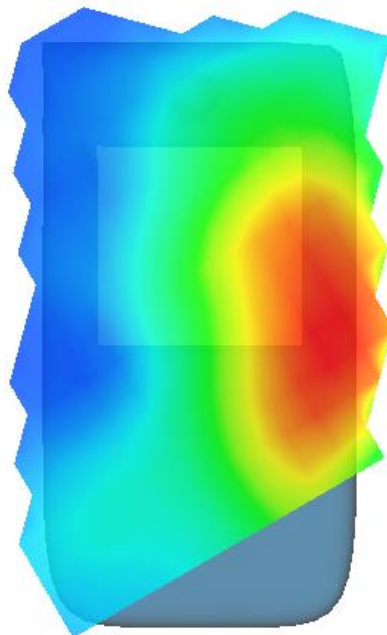
SAR 10g (W/Kg)	0.289515
SAR 1g (W/Kg)	0.289515



Z (mm)	0.00	4.00	9.00	14.00	19.00
SAR (W/Kg)	0.8227	0.5938	0.3887	0.2521	0.1623



Hot spot position



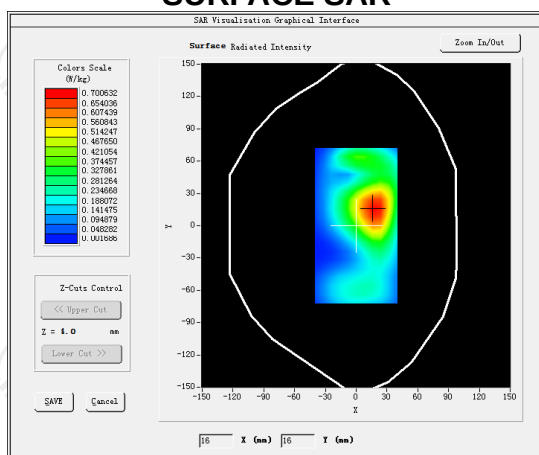
MEASUREMENT 2

High Band SAR (Channel 9538):

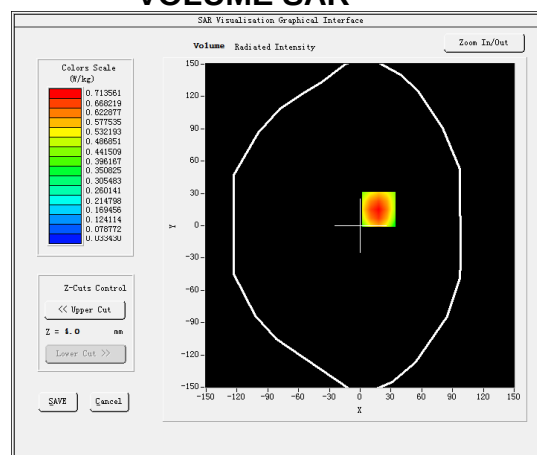
Date: 05/15/2023

Frequency (MHz)	1907.600000
Relative permittivity (real part)	39.076721
Relative permittivity (imaginary part)	12.607061
Conductivity (S/m)	1.367609
Variation (%)	-1.130000
Crest Factor	1.0
Probe Conversion factor	2.23
E-Field Probe:	SSE2 (SN 25/22 EPG0375)
Area Scan	<u>dx=8mm dy=8mm, h= 5.00 mm</u>
ZoomScan	<u>5x5x7, dx=8mm dy=8mm</u> <u>dz=5mm, Complete/ndx=8mm dy=8mm, h=</u> <u>5.00 mm</u>
Phantom	<u>Validation plane</u>
Device Position	<u>Body back(10mm)</u>
Band	<u>BAND2 WCDMA1900</u>

SURFACE SAR

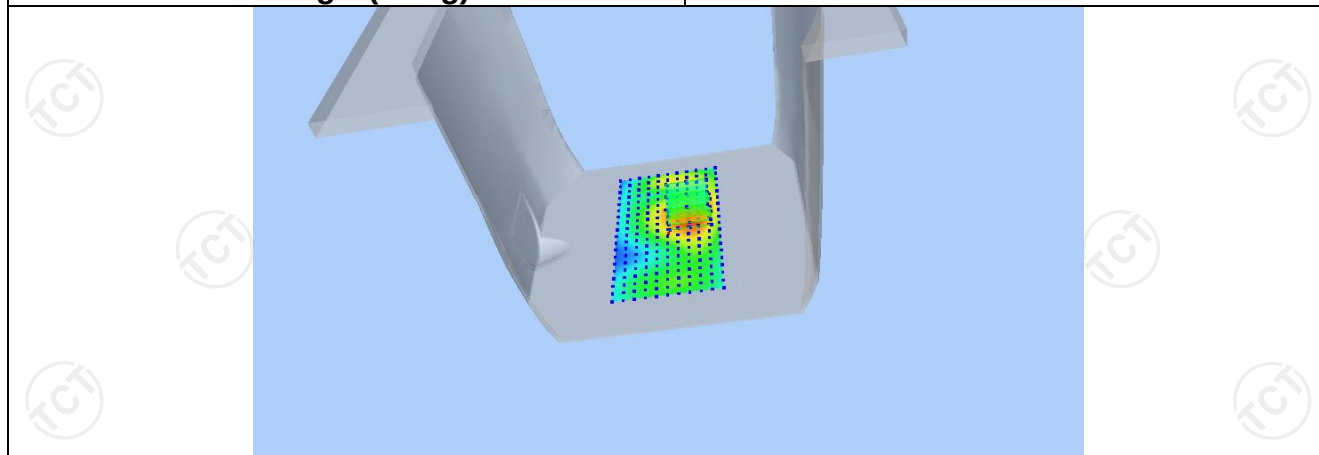


VOLUME SAR

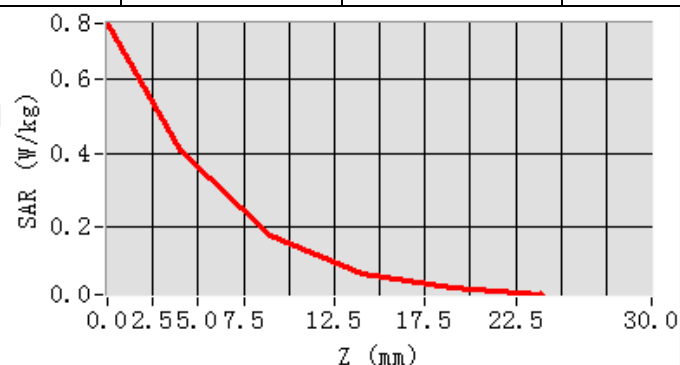


Maximum location: X=-7.00, Y=31.00 SAR Peak: 0.75 W/kg

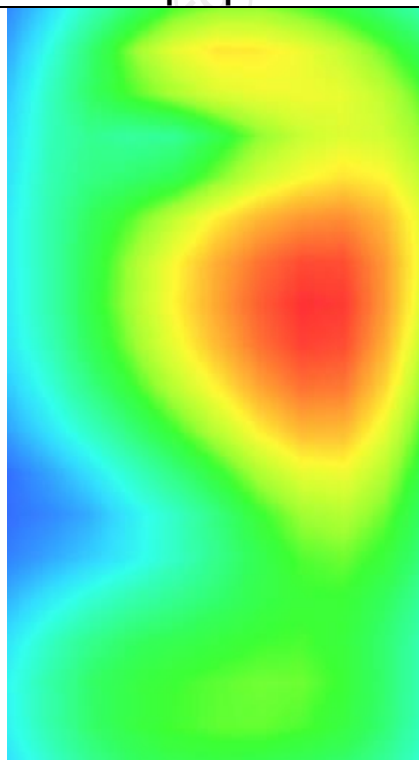
SAR 10g (W/Kg)	0.198075
SAR 1g (W/Kg)	0.392699



Z (mm)	0.00	4.00	9.00	14.00	19.00
SAR (W/Kg)	0.7500	0.4090	0.1770	0.0748	0.0351



Hot spot position



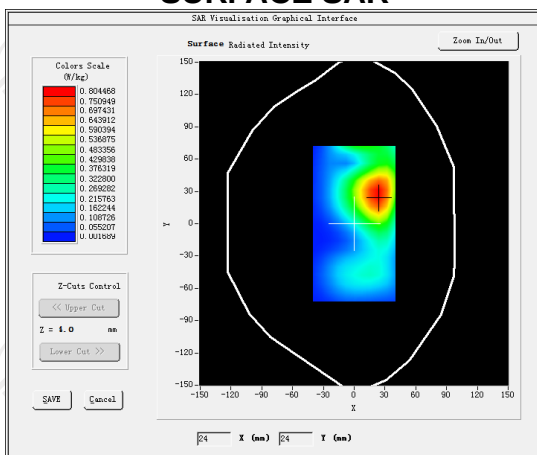
MEASUREMENT 3

High Band SAR (Channel 9538):

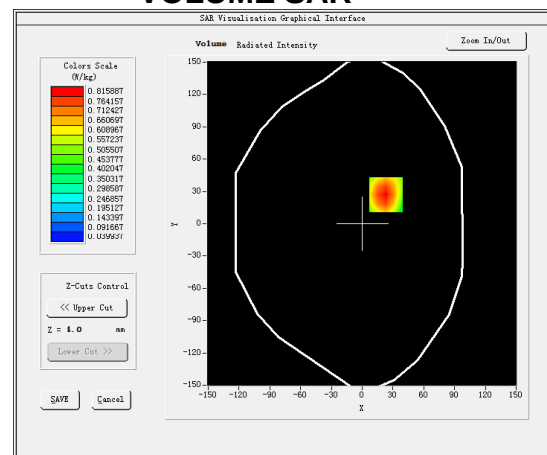
Date: 05/15/2023

Frequency (MHz)	1907.600000
Relative permittivity (real part)	39.076721
Relative permittivity (imaginary part)	12.607061
Conductivity (S/m)	1.367609
Variation (%)	-0.200000
Crest Factor	1.0
Probe Conversion factor	2.23
E-Field Probe:	SSE2 (SN 25/22 EPG0375)
Area Scan	<u>dx=8mm dy=8mm, h= 5.00 mm</u>
ZoomScan	<u>5x5x7, dx=8mm dy=8mm</u> <u>dz=5mm, Complete/ndx=8mm dy=8mm, h=</u> <u>5.00 mm</u>
Phantom	<u>Validation plane</u>
Device Position	<u>Body back(10mm)</u>
Band	<u>BAND2 WCDMA1900(hotspot)</u>

SURFACE SAR

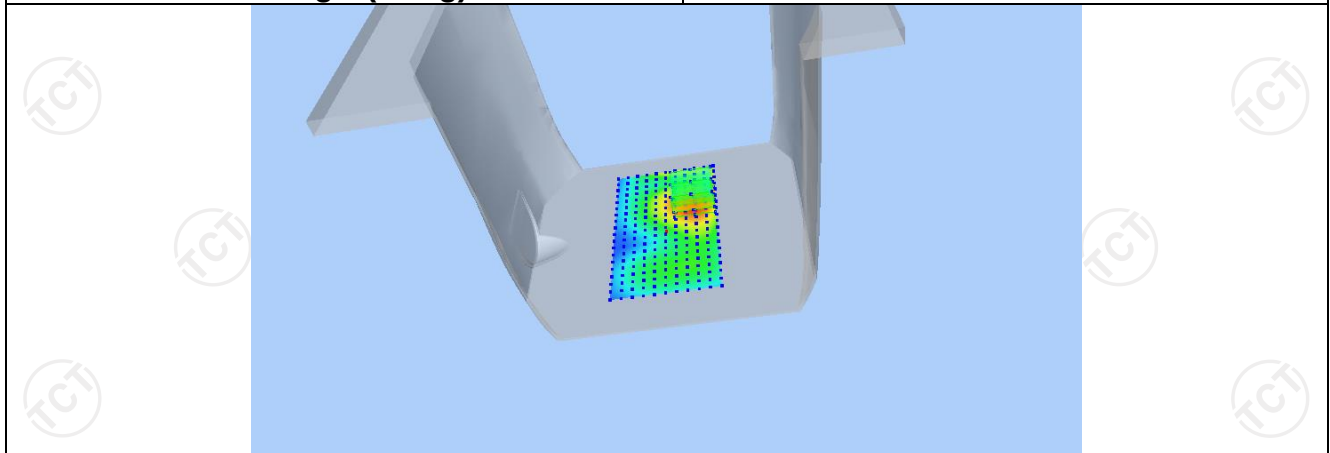


VOLUME SAR

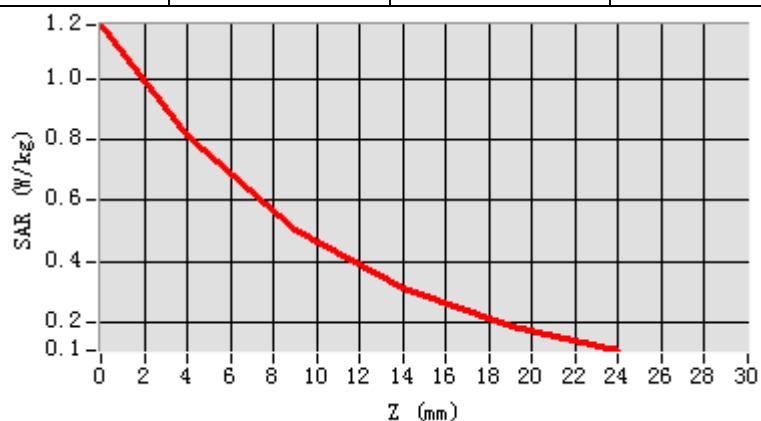


Maximum location: X=23.00, Y=27.00 SAR Peak: 1.18 W/kg

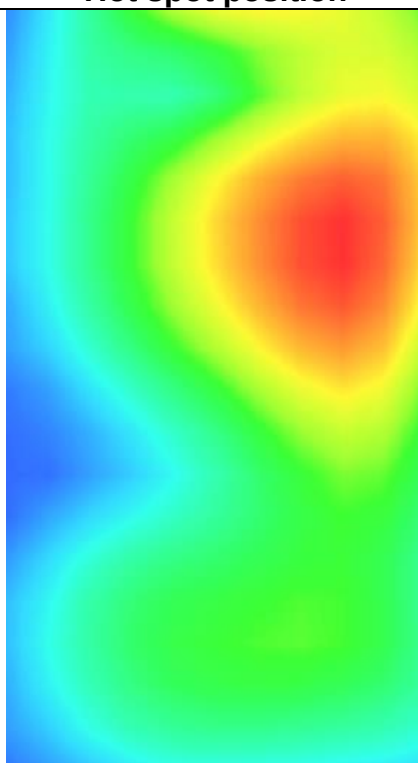
SAR 10g (W/Kg)	0.419745
SAR 1g (W/Kg)	0.654034



Z (mm)	0.00	4.00	9.00	14.00	19.00
SAR (W/Kg)	1.1768	0.8159	0.5054	0.3095	0.1885



Hot spot position



WCDMA Band IV

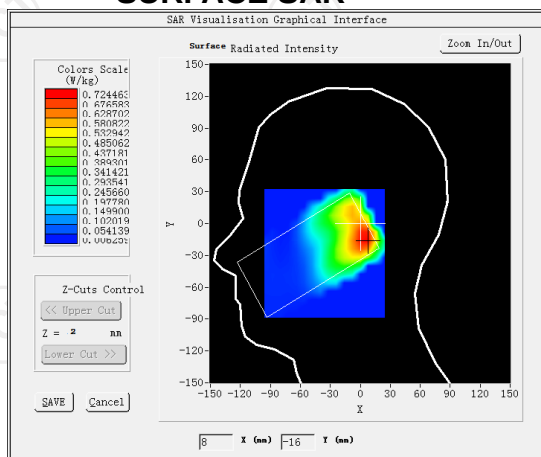
MEASUREMENT 1

Lower Band SAR (Channel 1312):

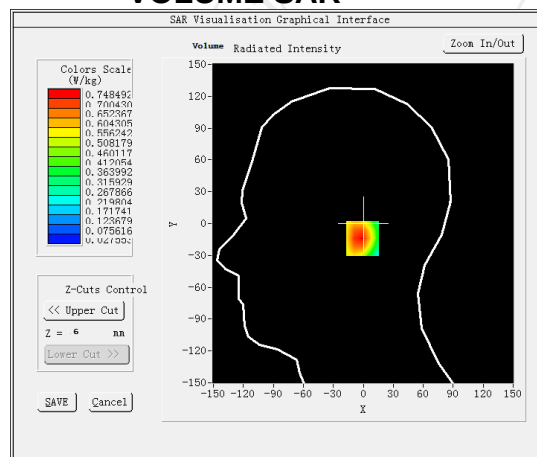
Date: 05/10/2023

Frequency (MHz)	1712.400000
Relative permittivity (real part)	40.116364
Relative permittivity (imaginary part)	14.137455
Conductivity (S/m)	1.360337
Variation (%)	-1.180000
Crest Factor	1.0
Probe Conversion factor	2.08
E-Field Probe:	SSE2 (SN 25/22 EPG0375)
Area Scan	<u>dx=8mm dy=8mm, h= 5.00 mm</u>
ZoomScan	<u>5x5x7,dx=8mm dy=8mm</u> <u>dz=5mm,Complete/ndx=8mm dy=8mm, h=</u> <u>5.00 mm</u>
Phantom	<u>Left head</u>
Device Position	<u>Cheek</u>
Band	<u>BAND4 WCDMA1700</u>

SURFACE SAR

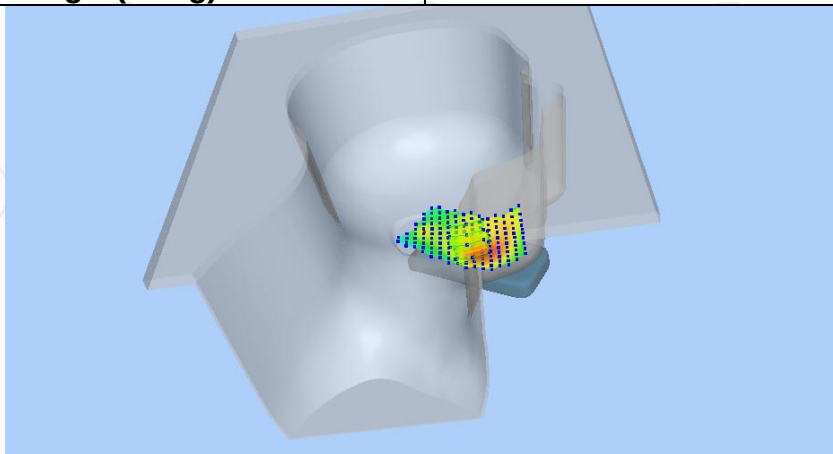


VOLUME SAR

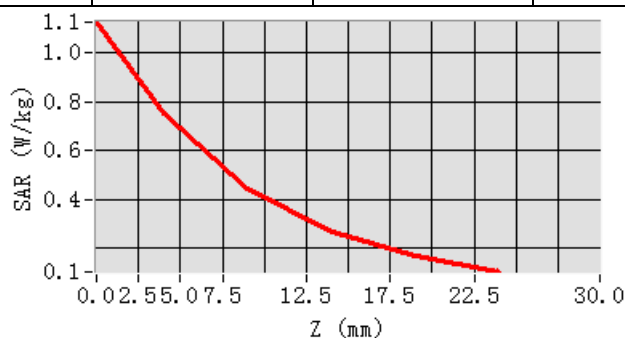


Maximum location: X=5.00, Y=-14.00 SAR Peak: 1.13 W/kg

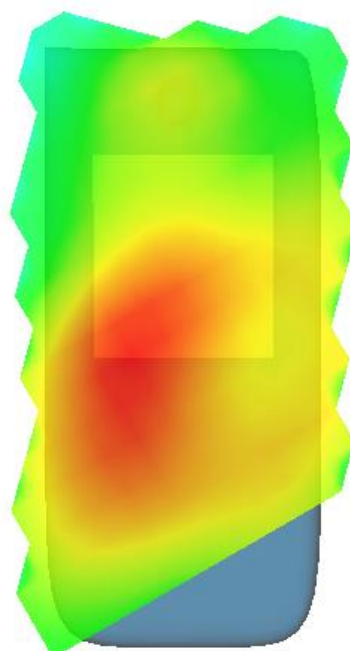
SAR 10g (W/Kg)	0.425148
SAR 1g (W/Kg)	0.714374



Z (mm)	0.00	4.00	9.00	14.00	19.00
SAR (W/Kg)	1.1252	0.7485	0.4427	0.2653	0.1658



Hot spot position



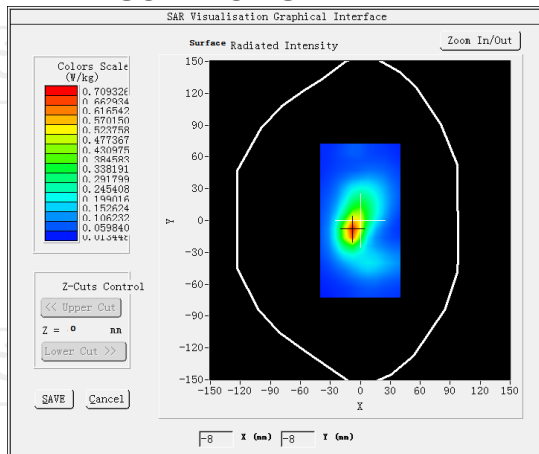
MEASUREMENT 2

Low Band SAR (Channel 1312):

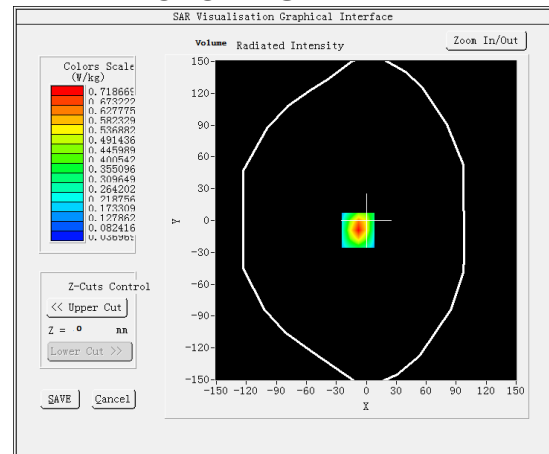
Date: 05/10/2023

Frequency (MHz)	1712.400000
Relative permittivity (real part)	40.116364
Relative permittivity (imaginary part)	14.137455
Conductivity (S/m)	1.360337
Variation (%)	-1.870000
Crest Factor	1.0
Probe Conversion factor	2.08
E-Field Probe:	SSE2 (SN 25/22 EPG0375)
Area Scan	<u>dx=8mm dy=8mm, h= 5.00 mm</u>
ZoomScan	<u>5x5x7,dx=8mm dy=8mm</u> <u>dz=5mm,Complete/ndx=8mm dy=8mm, h=</u> <u>5.00 mm</u>
Phantom	<u>Validation plane</u>
Device Position	<u>Body back(10mm)</u>
Band	<u>BAND4 WCDMA1700</u>

SURFACE SAR

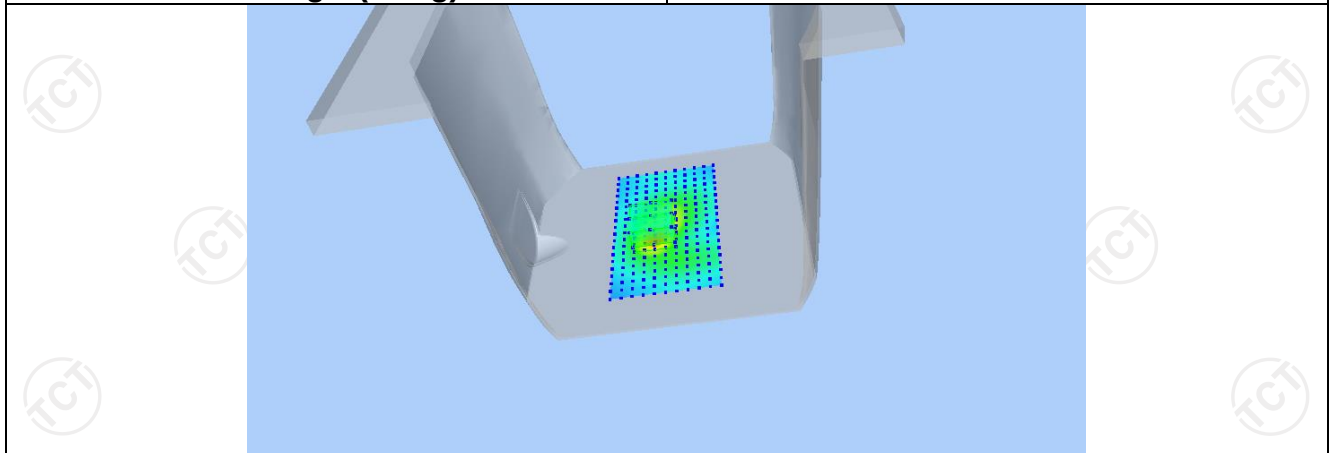


VOLUME SAR

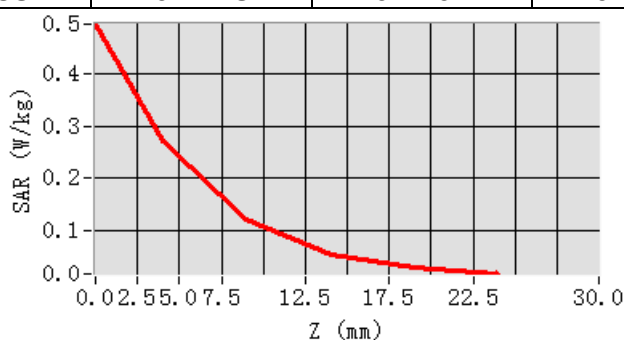


Maximum location: X=-3.00, Y=32.00 SAR Peak:1.21 W/kg

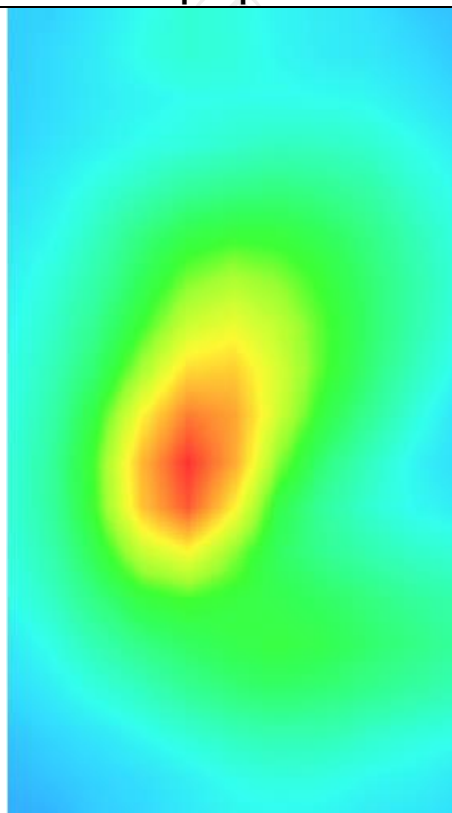
SAR 10g (W/Kg)	0.133660
SAR 1g (W/Kg)	0.263670



Z (mm)	0.00	4.00	9.00	14.00	19.00
SAR (W/Kg)	0.4958	0.2723	0.1202	0.0532	0.0273



Hot spot position



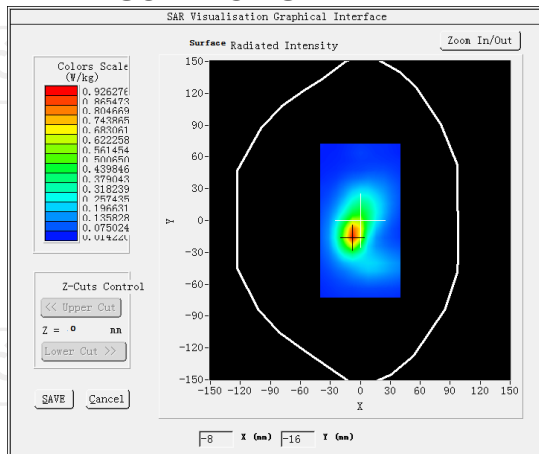
MEASUREMENT 3

Low Band SAR (Channel 1312):

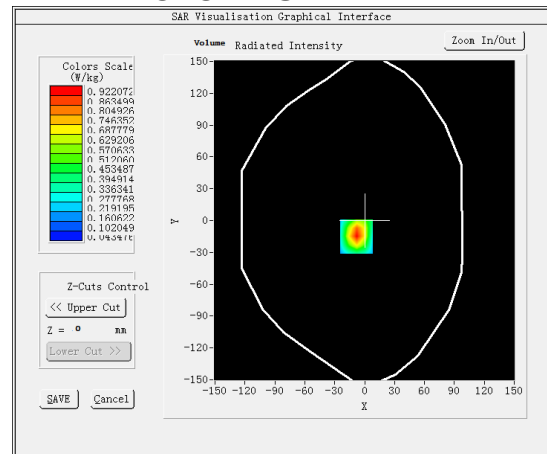
Date: 05/10/2023

Frequency (MHz)	1712.400000
Relative permittivity (real part)	40.116364
Relative permittivity (imaginary part)	14.137455
Conductivity (S/m)	1.360337
Variation (%)	-1.450000
Crest Factor	1.0
Probe Conversion factor	2.08
E-Field Probe:	SSE2 (SN 25/22 EPG0375)
Area Scan	<u>dx=8mm dy=8mm, h= 5.00 mm</u>
ZoomScan	<u>5x5x7,dx=8mm dy=8mm</u> <u>dz=5mm,Complete/ndx=8mm dy=8mm, h=</u> <u>5.00 mm</u>
Phantom	<u>Validation plane</u>
Device Position	<u>Body back(hotspot 10mm)</u>
Band	<u>BAND4 WCDMA1700</u>

SURFACE SAR

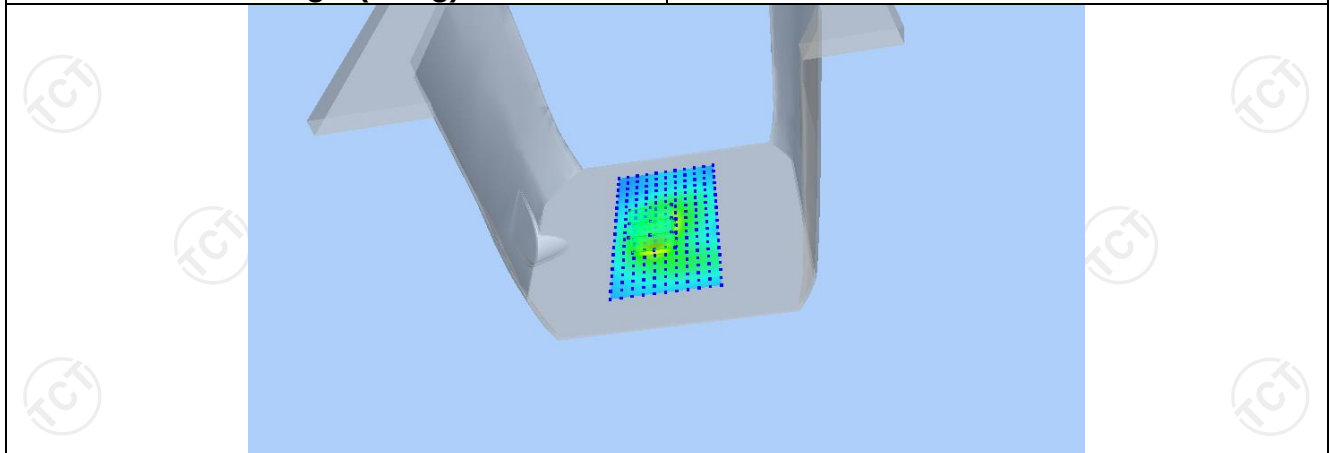


VOLUME SAR

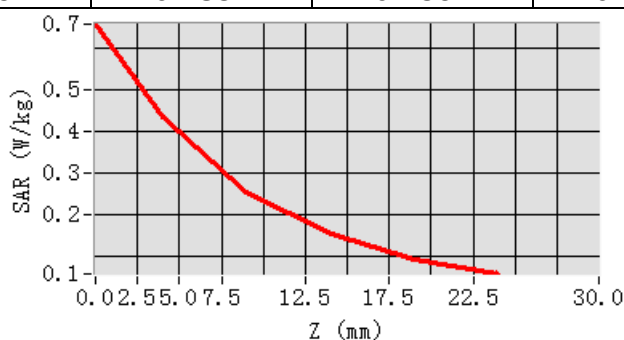


Maximum location: X=-2.00, Y=29.00 SAR Peak: 0.66 W/kg

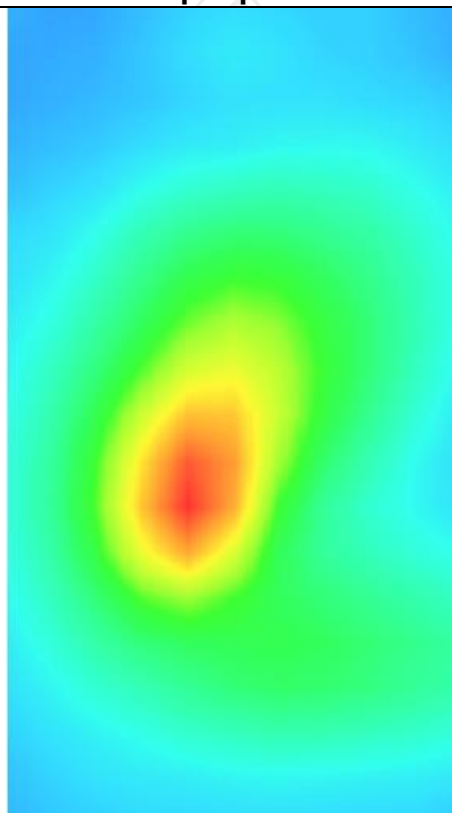
SAR 10g (W/Kg)	0.244870
SAR 1g (W/Kg)	0.415761



Z (mm)	0.00	4.00	9.00	14.00	19.00
SAR (W/Kg)	0.6564	0.4351	0.2561	0.1528	0.0952



Hot spot position



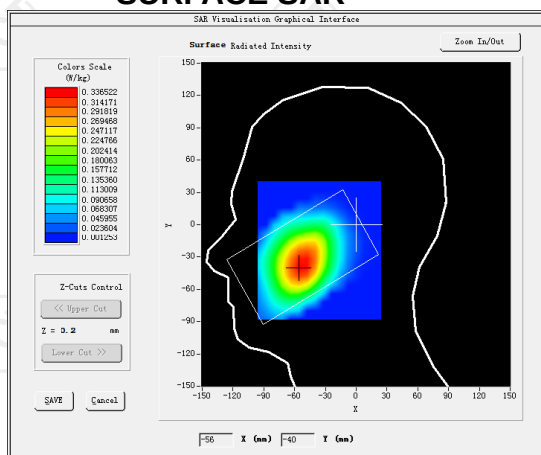
WCDMA Band V MEASUREMENT 1

High Band SAR (Channel 4233):

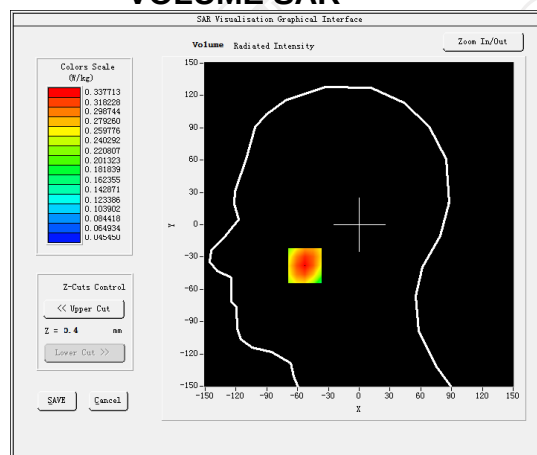
Date: 05/05/2023

Frequency (MHz)	846.600000
Relative permittivity (real part)	41.417760
Relative permittivity (imaginary part)	18.129852
Conductivity (S/m)	0.874923
Variation (%)	1.480000
Crest Factor:	1.0
Probe Conversion factor	1.80
E-Field Probe:	SSE2 (SN 25/22 EPG0375)
Area Scan	dx=8mm dy=8mm, h= 5.00 mm
ZoomScan	5x5x7, dx=8mm dy=8mm dz=5mm, Complete/ndx=8mm dy=8mm, h= 5.00 mm
Phantom	Left head
Device Position	Cheek
Band	BAND5 WCDMA850

SURFACE SAR

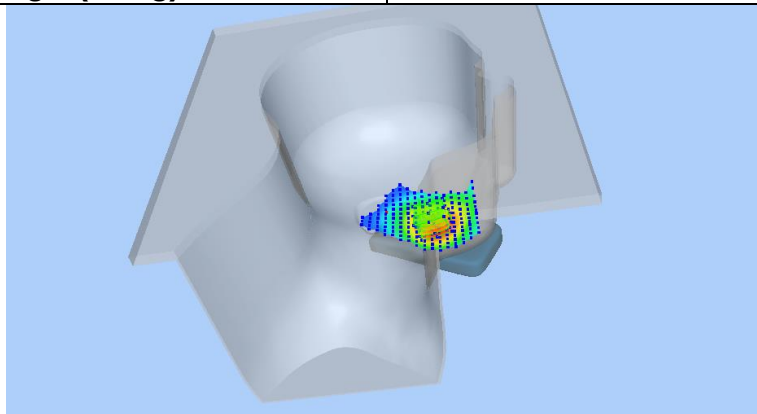


VOLUME SAR

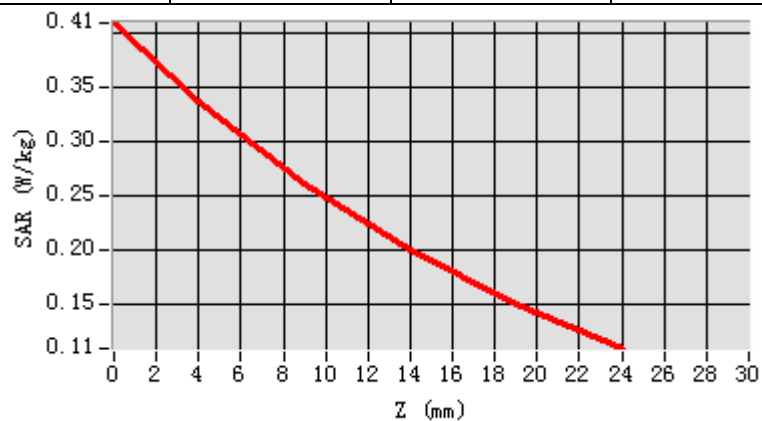


Maximum location: X=-53.00, Y=-38.00 SAR Peak: 0.41 W/kg

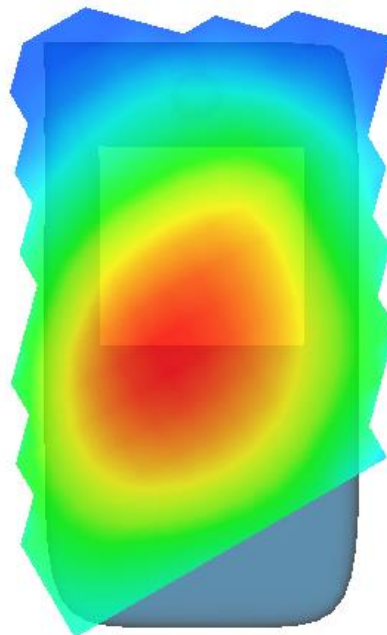
SAR 10g (W/Kg)	0.231938
SAR 1g (W/Kg)	0.323504



Z (mm)	0.00	4.00	9.00	14.00	19.00
SAR (W/Kg)	0.4100	0.3377	0.2619	0.2003	0.1504



Hot spot position



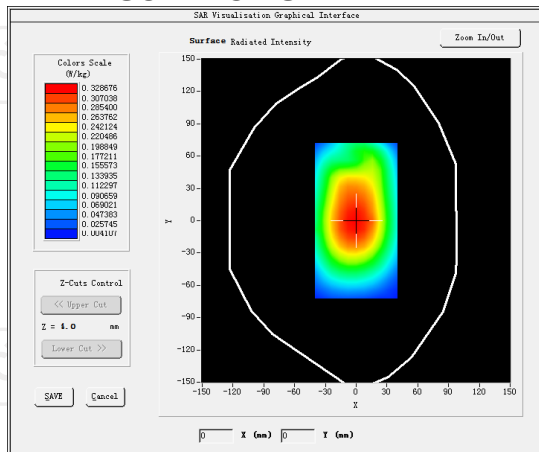
MEASUREMENT 2

High Band SAR (Channel 4233):

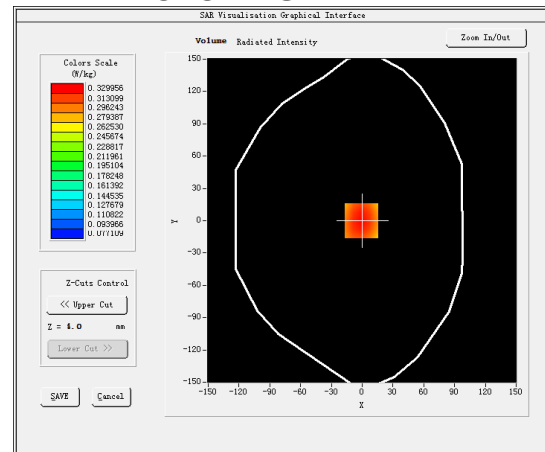
Date: 05/05/2023

Frequency (MHz)	846.600000
Relative permittivity (real part)	41.417760
Relative permittivity (imaginary part)	18.129852
Conductivity (S/m)	0.874923
Variation (%)	-2.670000
Crest Factor:	1.0
Probe Conversion factor	1.80
E-Field Probe:	SSE2 (SN 25/22 EPG0375)
Area Scan	<u>dx=8mm dy=8mm, h= 5.00 mm</u>
ZoomScan	<u>5x5x7, dx=8mm dy=8mm</u> <u>dz=5mm, Complete/ndx=8mm dy=8mm, h=</u> <u>5.00 mm</u>
Phantom	<u>Validation plane</u>
Device Position	<u>Body back(10mm)</u>
Band	<u>BAND5 WCDMA850</u>

SURFACE SAR

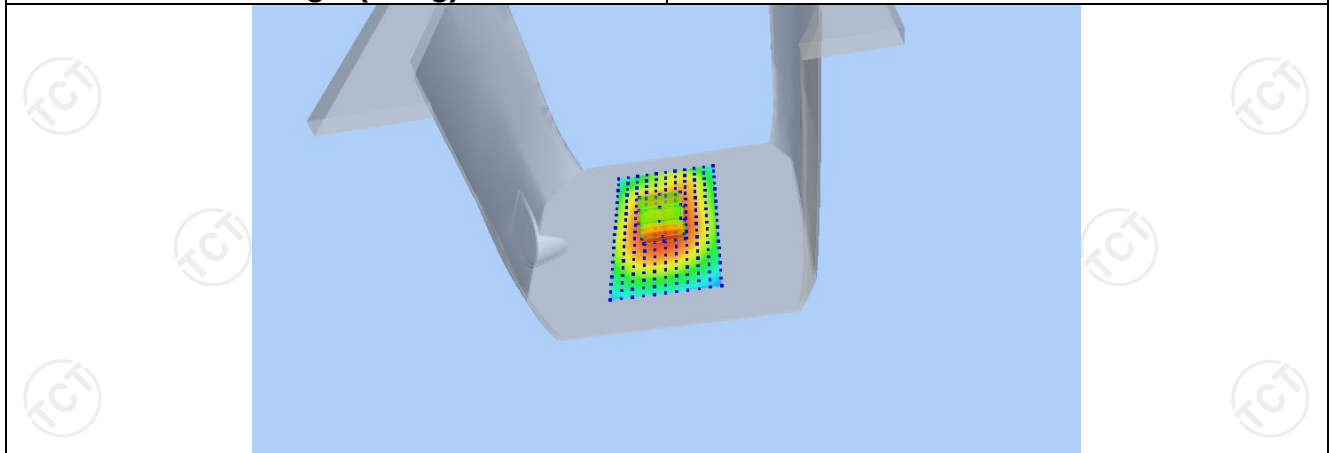


VOLUME SAR

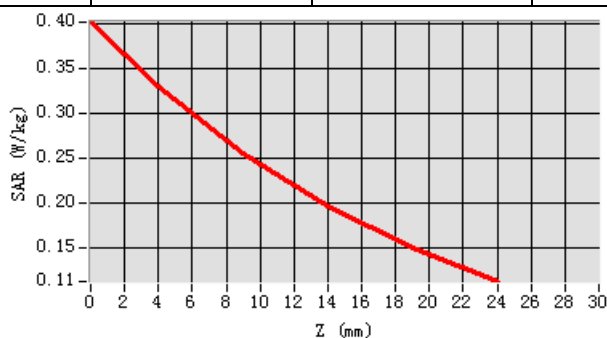


Maximum location: X=-1.00, Y=0.00 SAR Peak: 0.40 W/kg

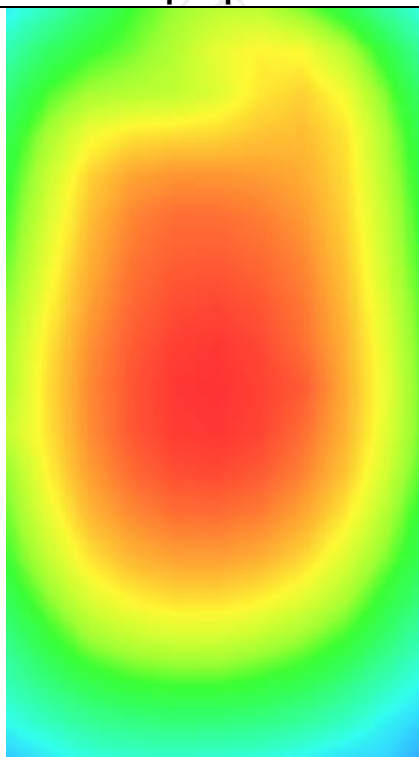
SAR 10g (W/Kg)	0.116499
SAR 1g (W/Kg)	0.160468



Z (mm)	0.00	4.00	9.00	14.00	19.00
SAR (W/Kg)	0.4019	0.3300	0.2561	0.1978	0.1515



Hot spot position



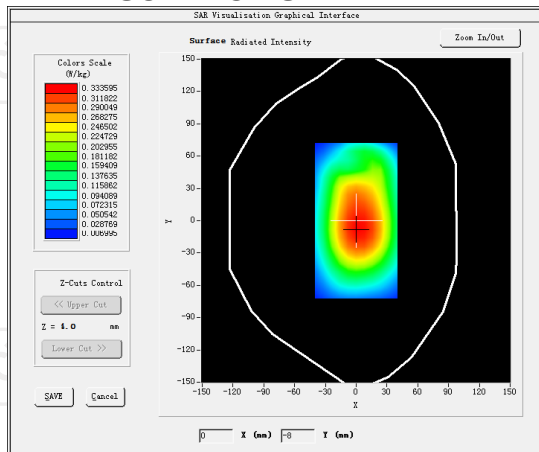
MEASUREMENT 3

High Band SAR (Channel 4233):

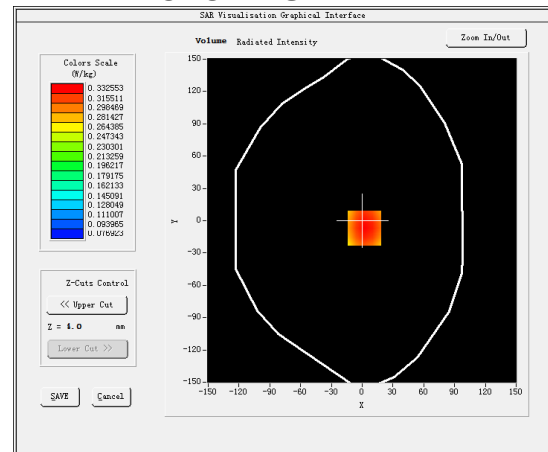
Date: 05/05/2023

Frequency (MHz)	846.600000
Relative permittivity (real part)	41.417760
Relative permittivity (imaginary part)	18.129852
Conductivity (S/m)	0.874923
Variation (%)	0.010000
Crest Factor:	1.0
Probe Conversion factor	1.80
E-Field Probe:	SSE2 (SN 25/22 EPG0375)
Area Scan	<u>dx=8mm dy=8mm, h= 5.00 mm</u>
ZoomScan	<u>5x5x7,dx=8mm dy=8mm</u> <u>dz=5mm,Complete/ndx=8mm dy=8mm, h=</u> <u>5.00 mm</u>
Phantom	<u>Validation plane</u>
Device Position	<u>Body back(10mm)</u>
Band	<u>BAND5 WCDMA850(hotspot)</u>

SURFACE SAR

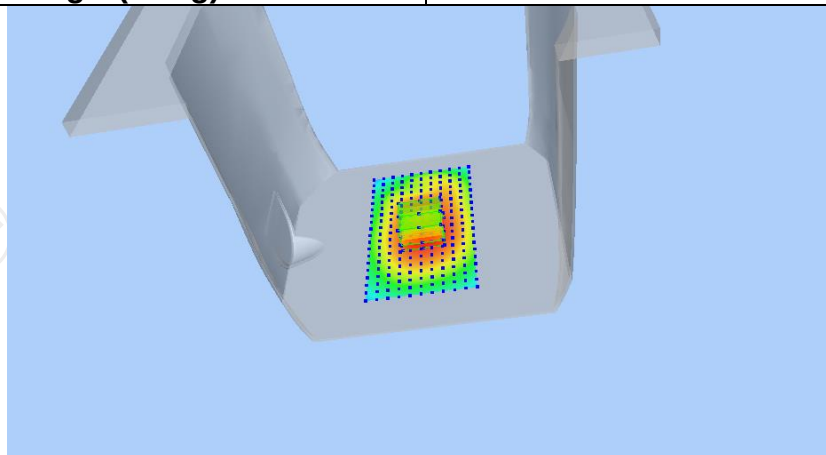


VOLUME SAR

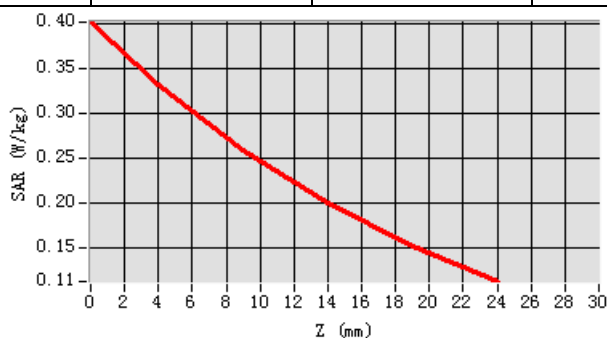


Maximum location: X=2.00, Y=-7.00 SAR Peak: 0.40 W/kg

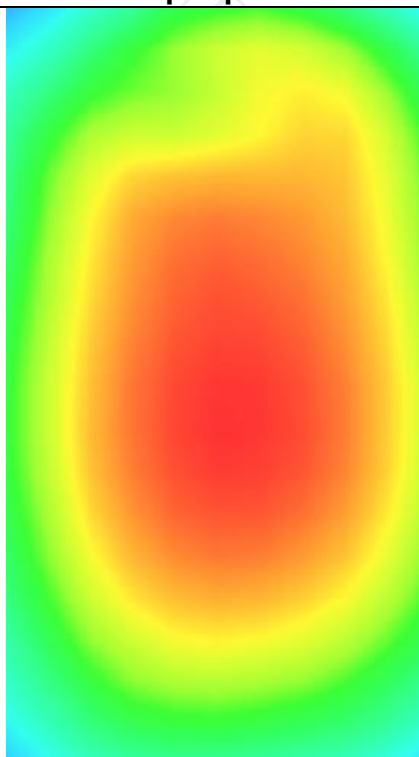
SAR 10g (W/Kg)	0.239471
SAR 1g (W/Kg)	0.321681



Z (mm)	0.00	4.00	9.00	14.00	19.00
SAR (W/Kg)	0.4021	0.3326	0.2598	0.2008	0.1530



Hot spot position



CDMA BC0

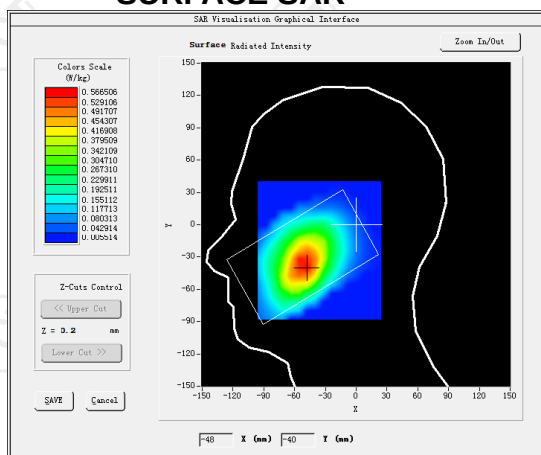
MEASUREMENT 1

High Band SAR (Channel 777)

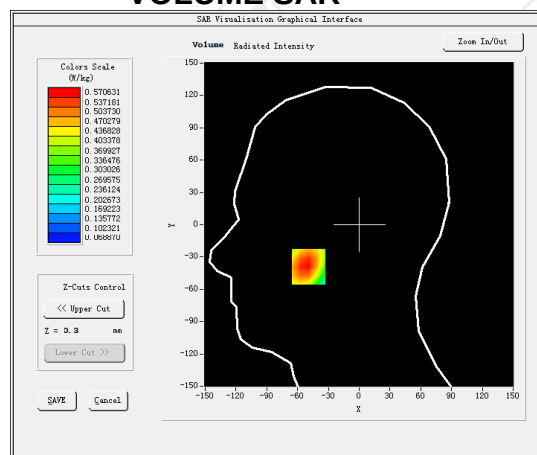
Date: 05/05/2023

Frequency (MHz)	846.600000
Relative permittivity (real part)	41.417760
Relative permittivity (imaginary part)	18.129852
Conductivity (S/m)	0.874923
Variation (%)	3.240000
Crest Factor:	1.0
Probe Conversion factor	1.80
E-Field Probe:	SSE2 (SN 25/22 EPG0375)
Area Scan	dx=8mm dy=8mm, h= 5.00 mm
ZoomScan	5x5x7,dx=8mm dy=8mm dz=5mm,Complete/ndx=8mm dy=8mm, h= 5.00 mm
Phantom	Left head
Device Position	Cheek
Band	CDMA BC0

SURFACE SAR

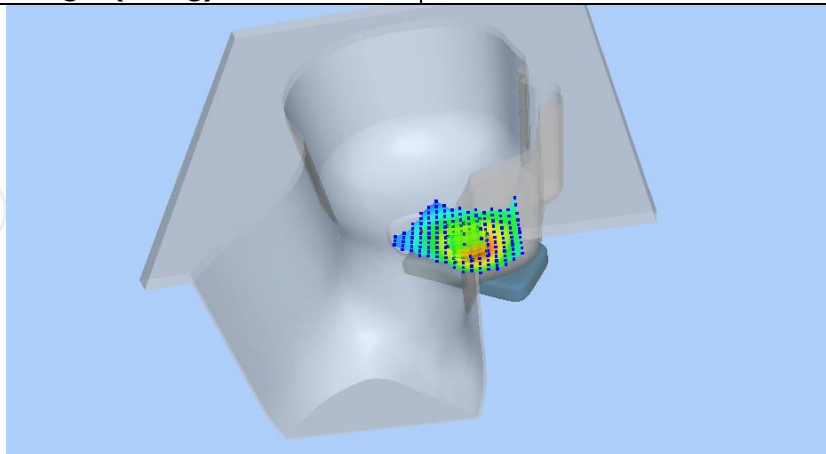


VOLUME SAR

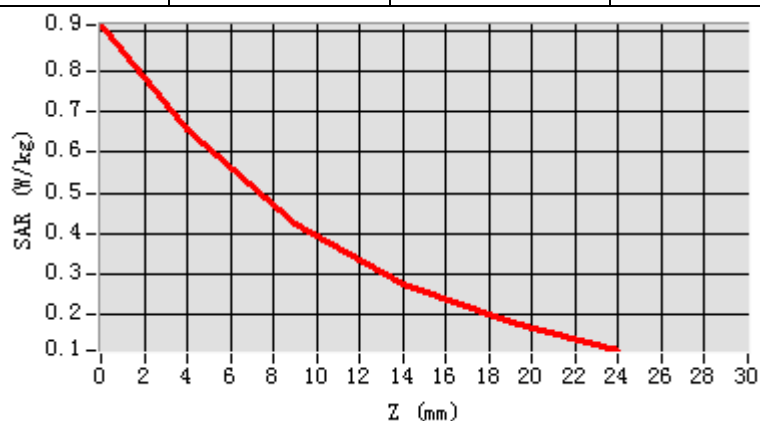


Maximum location: X=-49.00, Y=-39.00 SAR Peak: 0.75 W/kg

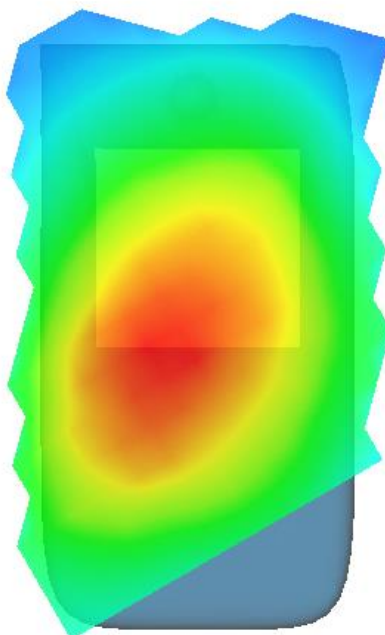
SAR 10g (W/Kg)	0.184282
SAR 1g (W/Kg)	0.221701



Z (mm)	0.00	4.00	9.00	14.00	19.00
SAR (W/Kg)	0.9139	0.6546	0.4255	0.2757	0.1792



Hot spot position



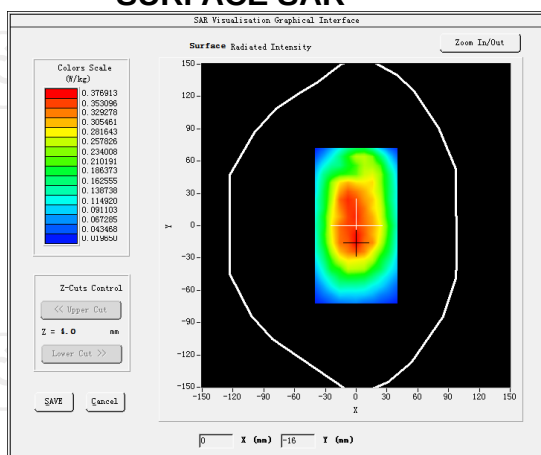
MEASUREMENT 2

High Band SAR (Channel 777)

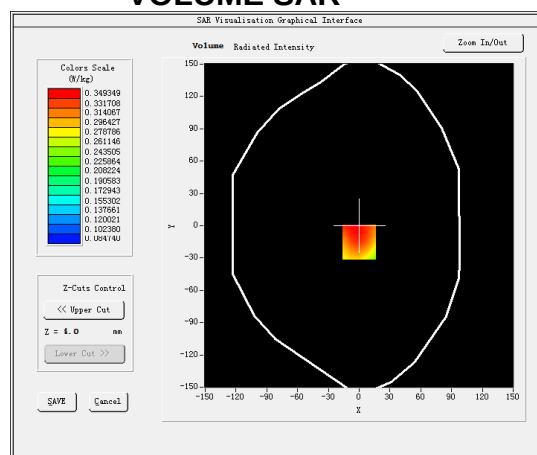
Date: 05/05/2023

Frequency (MHz)	846.600000
Relative permittivity (real part)	41.417760
Relative permittivity (imaginary part)	18.129852
Conductivity (S/m)	0.874923
Variation (%)	-2.600000
Crest Factor:	1.0
Probe Conversion factor	1.80
E-Field Probe:	SSE2 (SN 25/22 EPG0375)
Area Scan	<u>dx=8mm dy=8mm, h= 5.00 mm</u>
ZoomScan	<u>5x5x7, dx=8mm dy=8mm</u> <u>dz=5mm, Complete/ndx=8mm dy=8mm, h=</u> <u>5.00 mm</u>
Phantom	<u>Validation plane</u>
Device Position	<u>Body back (10mm)</u>
Band	<u>CDMA BC0</u>

SURFACE SAR

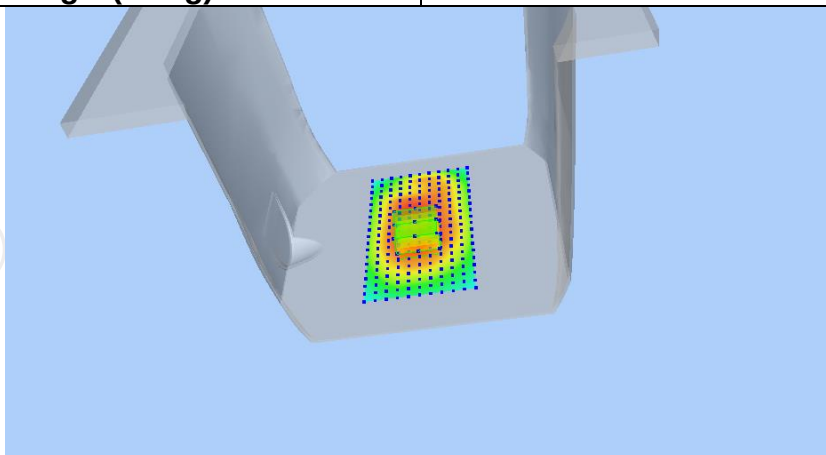


VOLUME SAR

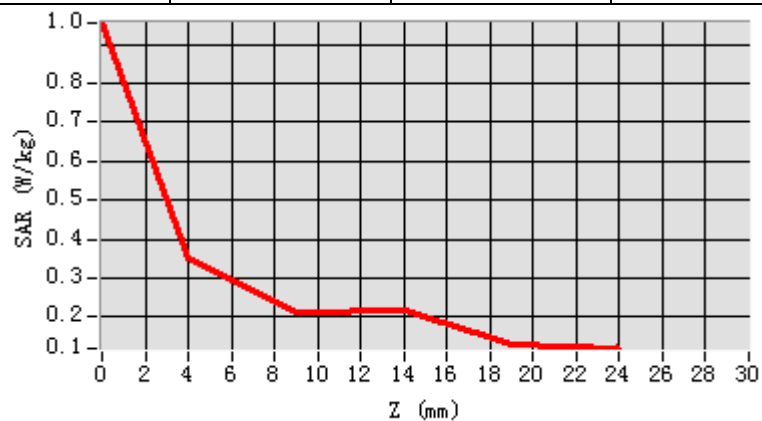


Maximum location: X=0.00, Y=-15.00 SAR Peak: 0.43 W/kg

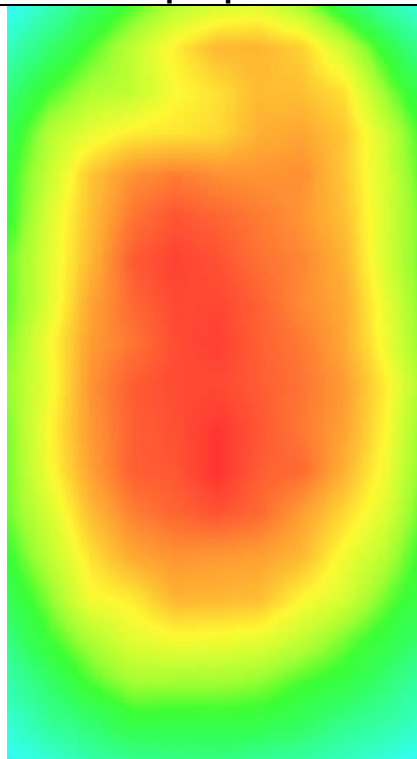
SAR 10g (W/Kg)	0.259375
SAR 1g (W/Kg)	0.339121



Z (mm)	0.00	4.00	9.00	14.00	19.00
SAR (W/Kg)	0.9547	0.3493	0.2145	0.2163	0.1300



Hot spot position



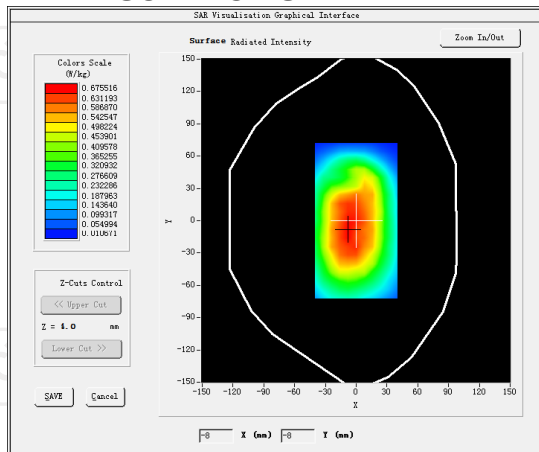
MEASUREMENT 3

High Band SAR (Channel 777)

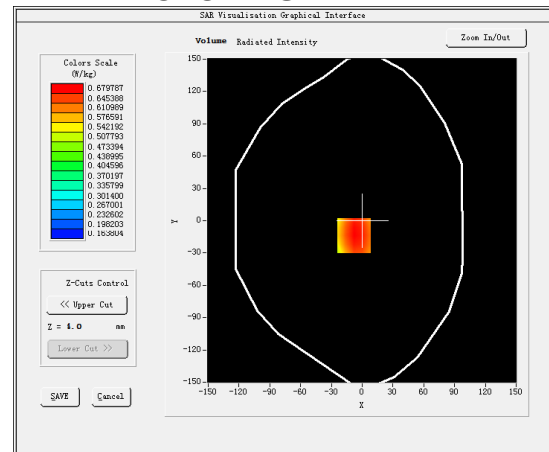
Date: 05/05/2023

Frequency (MHz)	846.600000
Relative permittivity (real part)	41.417760
Relative permittivity (imaginary part)	18.129852
Conductivity (S/m)	0.874923
Variation (%)	0.200000
Crest Factor:	1.0
Probe Conversion factor	1.80
E-Field Probe:	SSE2 (SN 25/22 EPG0375)
Area Scan	<u>dx=8mm dy=8mm, h= 5.00 mm</u>
ZoomScan	<u>5x5x7, dx=8mm dy=8mm</u> <u>dz=5mm, Complete/ndx=8mm dy=8mm, h=</u> <u>5.00 mm</u>
Phantom	<u>Validation plane</u>
Device Position	<u>Body back (10mm)</u>
Band	<u>CDMA BC0 (hotspot)</u>

SURFACE SAR

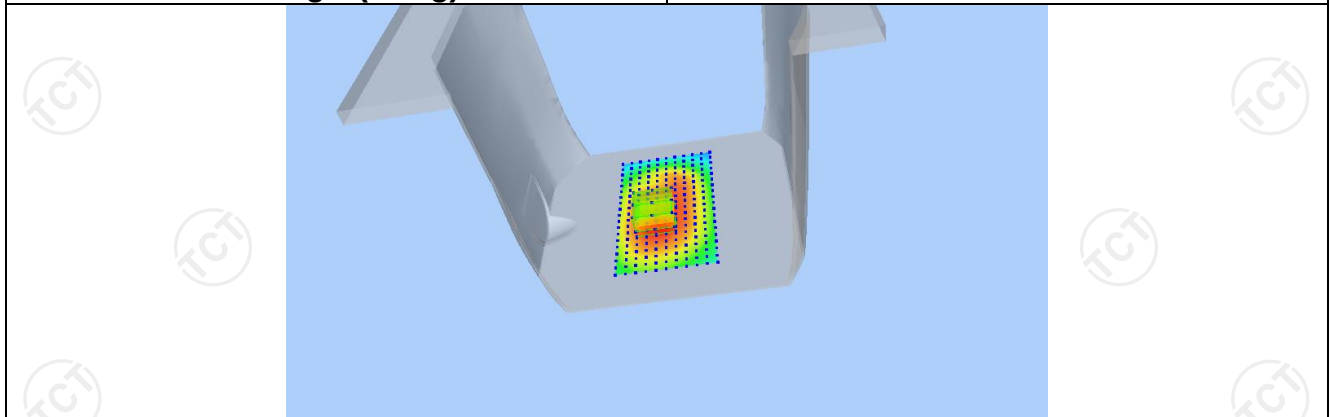


VOLUME SAR

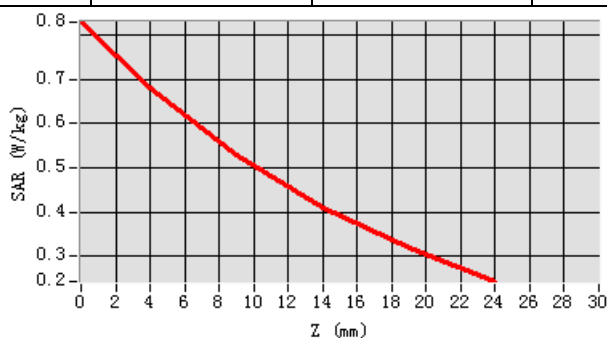


Maximum location: X=-8.00, Y=-14.00 SAR Peak: 0.84 W/kg

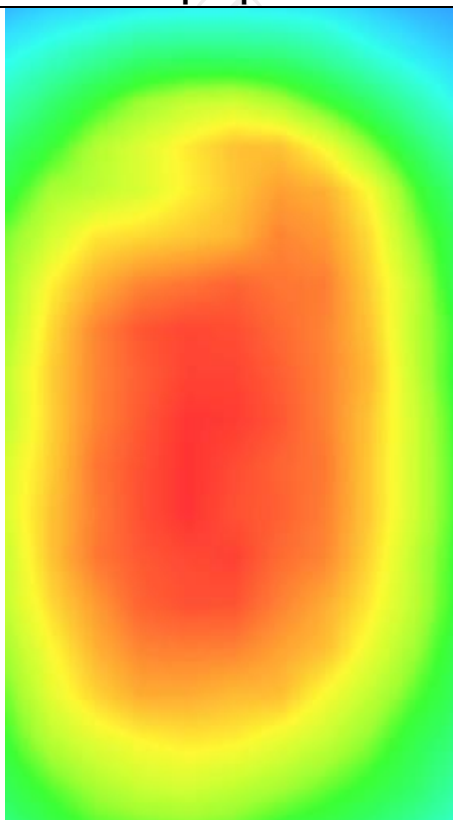
SAR 10g (W/Kg)	0.494016
SAR 1g (W/Kg)	0.660314



Z (mm)	0.00	4.00	9.00	14.00	19.00
SAR (W/Kg)	0.8297	0.6798	0.5281	0.4101	0.3180



Hot spot position



CDMA BC1

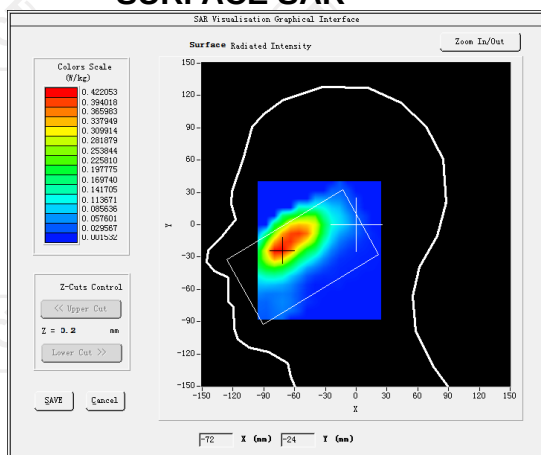
MEASUREMENT 1

High Band SAR (Channel 1175):

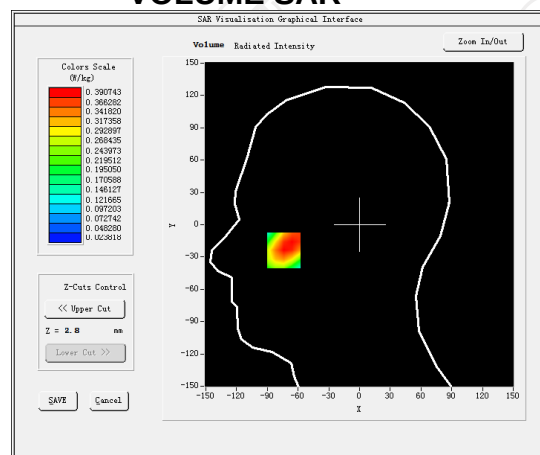
Date: 05/15/2023

Frequency (MHz)	1908.750000
Relative permittivity (real part)	39.076721
Relative permittivity (imaginary part)	12.607061
Conductivity (S/m)	1.367609
Variation (%)	0.420000
Crest Factor	1.0
Probe Conversion factor	2.23
E-Field Probe:	SSE2 (SN 25/22 EPG0375)
Area Scan	dx=8mm dy=8mm, h= 5.00 mm
ZoomScan	5x5x7,dx=8mm dy=8mm dz=5mm,Complete/ndx=8mm dy=8mm, h= 5.00 mm
Phantom	Left head
Device Position	Cheek
Band	CDMA BC1

SURFACE SAR

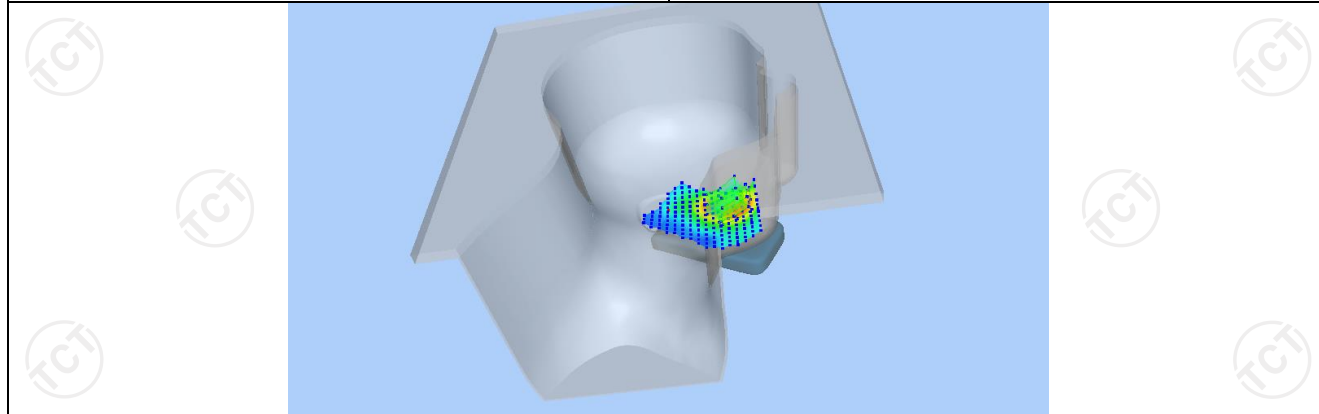


VOLUME SAR

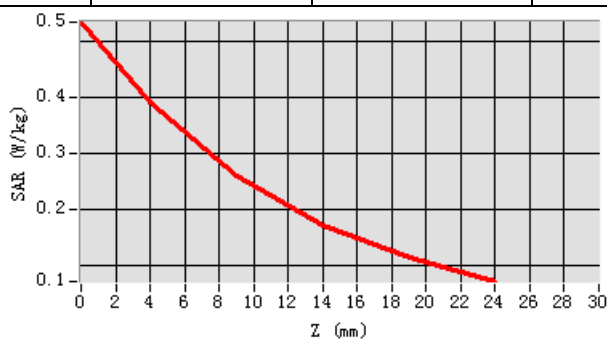


Maximum location: X=-74.00, Y=-23.00 SAR Peak: 0.56 W/kg

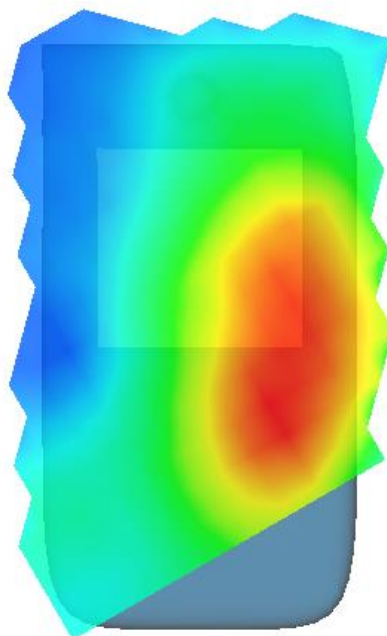
SAR 10g (W/Kg)	0.239449
SAR 1g (W/Kg)	0.277428



Z (mm)	0.00	4.00	9.00	14.00	19.00
SAR (W/Kg)	0.5344	0.3907	0.2608	0.1730	0.1144



Hot spot position



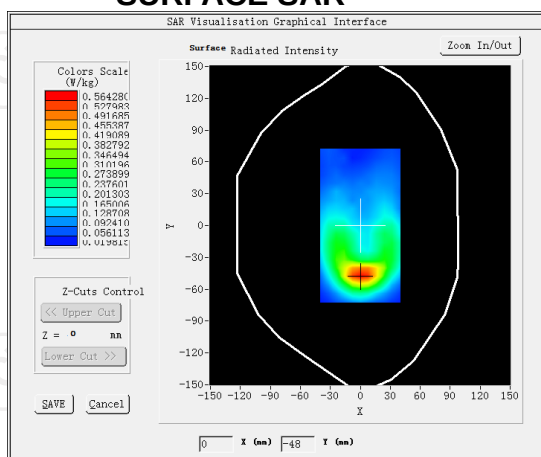
MEASUREMENT 2

High Band SAR (Channel 1175):

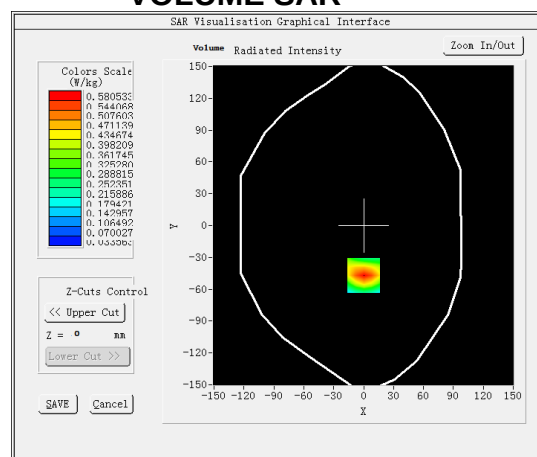
Date: 05/15/2023

Frequency (MHz)	1908.7500000
Relative permittivity (real part)	39.076721
Relative permittivity (imaginary part)	12.607061
Conductivity (S/m)	1.367609
Variation (%)	-1.680000
Crest Factor	1.0
Probe Conversion factor	2.23
E-Field Probe:	SSE2 (SN 25/22 EPG0375)
Area Scan	<u>dx=8mm dy=8mm, h= 5.00 mm</u>
ZoomScan	<u>5x5x7, dx=8mm dy=8mm</u> <u>dz=5mm, Complete/ndx=8mm dy=8mm, h=</u> <u>5.00 mm</u>
Phantom	<u>Validation plane</u>
Device Position	<u>Body back(10mm)</u>
Band	<u>CDMA BC1</u>

SURFACE SAR

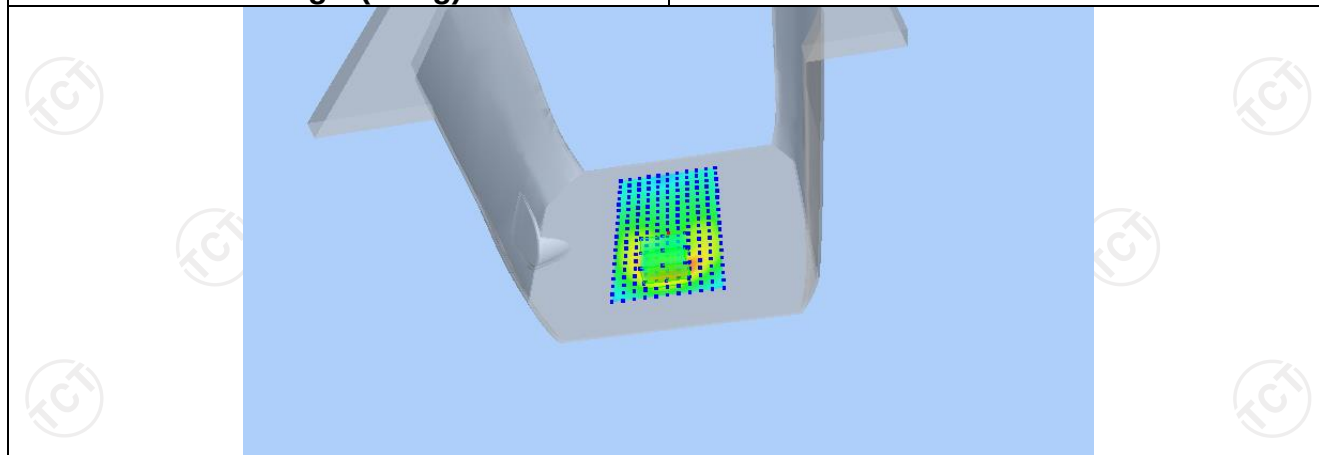


VOLUME SAR

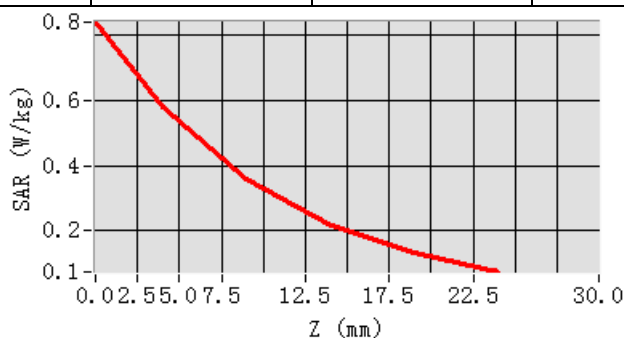


Maximum location: X=0.00, Y=-47.00 SAR Peak: 0.84 W/kg

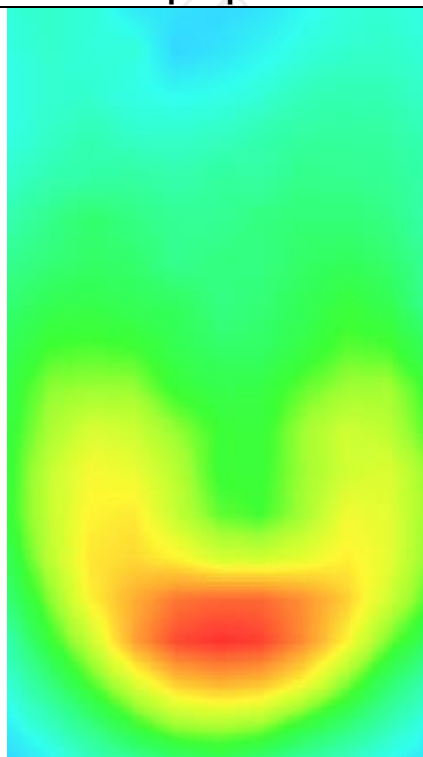
SAR 10g (W/Kg)	0.305824
SAR 1g (W/Kg)	0.440363



Z (mm)	0.00	4.00	9.00	14.00	19.00
SAR (W/Kg)	0.8414	0.5805	0.3567	0.2159	0.1294



Hot spot position



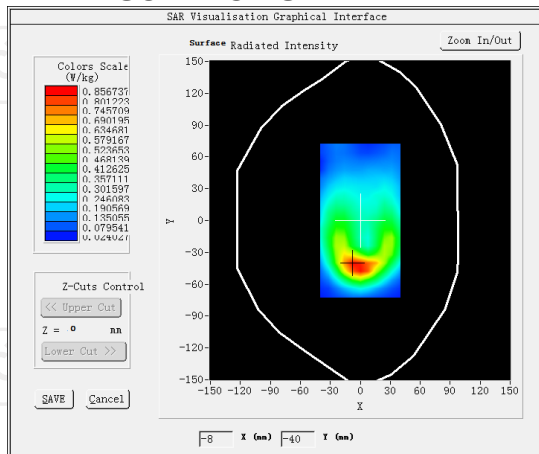
MEASUREMENT 3

High Band SAR (Channel 1175):

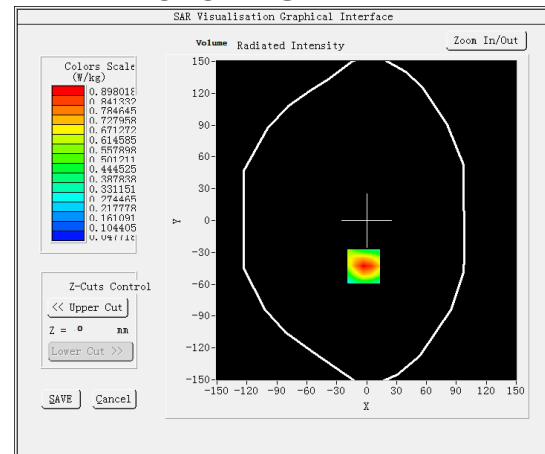
Date: 05/15/2023

Frequency (MHz)	1908.7500000
Relative permittivity (real part)	39.076721
Relative permittivity (imaginary part)	12.607061
Conductivity (S/m)	1.367609
Variation (%)	-0.930000
Crest Factor	1.0
Probe Conversion factor	2.23
E-Field Probe:	SSE2 (SN 25/22 EPG0375)
Area Scan	<u>dx=8mm dy=8mm, h= 5.00 mm</u>
ZoomScan	<u>5x5x7,dx=8mm dy=8mm</u> <u>dz=5mm,Complete/ndx=8mm dy=8mm, h=</u> <u>5.00 mm</u>
Phantom	<u>Validation plane</u>
Device Position	<u>Body back (10mm)</u>
Band	<u>CDMA BC1(hotspot)</u>

SURFACE SAR

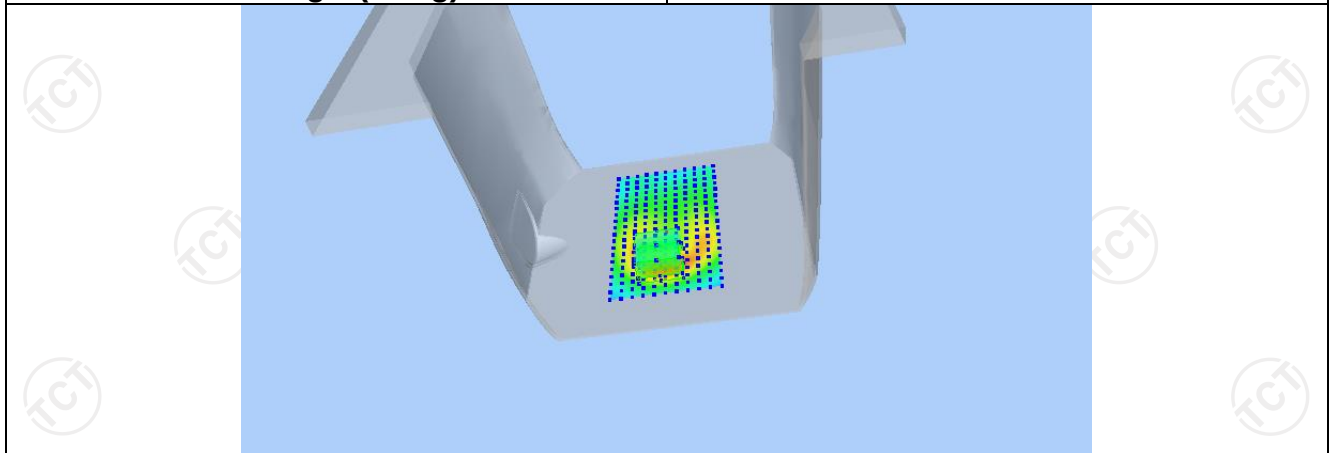


VOLUME SAR

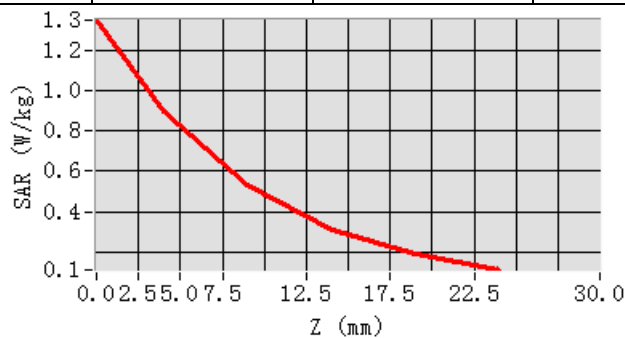


Maximum location: X=-3.00, Y=-43.00 SAR Peak: 1.36 W/kg

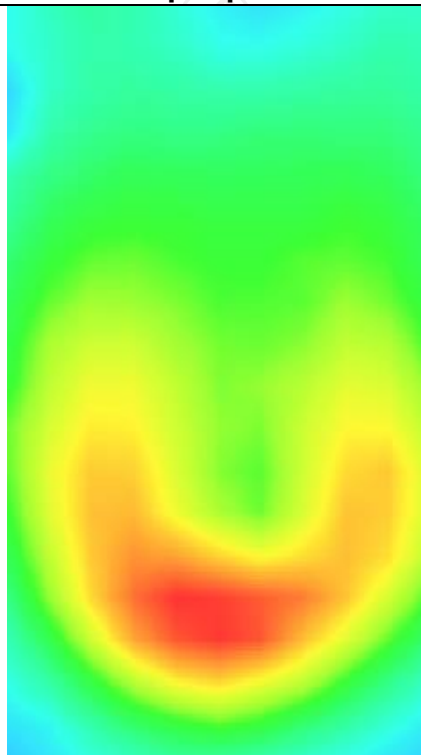
SAR 10g (W/Kg)	0.469354
SAR 1g (W/Kg)	0.510432



Z (mm)	0.00	4.00	9.00	14.00	19.00
SAR (W/Kg)	1.3494	0.8980	0.5288	0.3119	0.1885

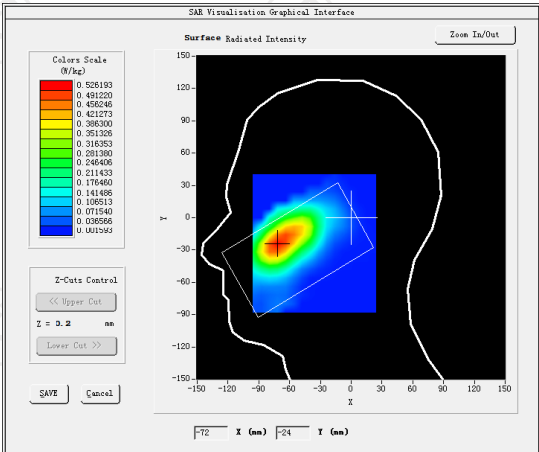
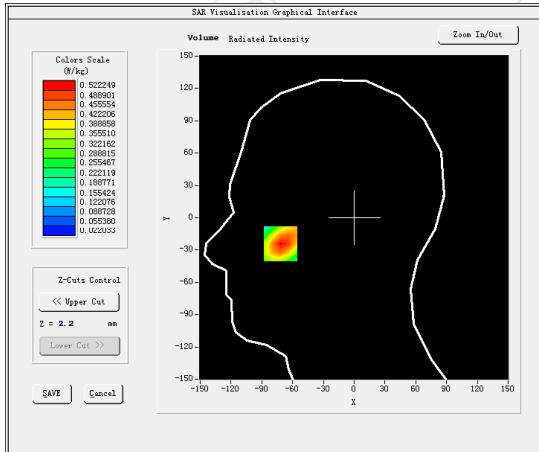


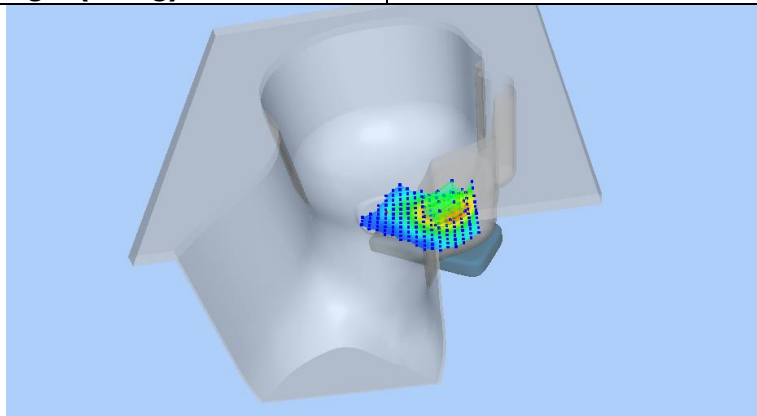
Hot spot position



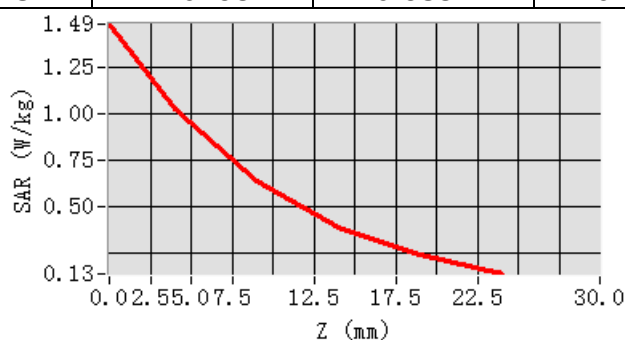
LTE Band 2

MEASUREMENT 1

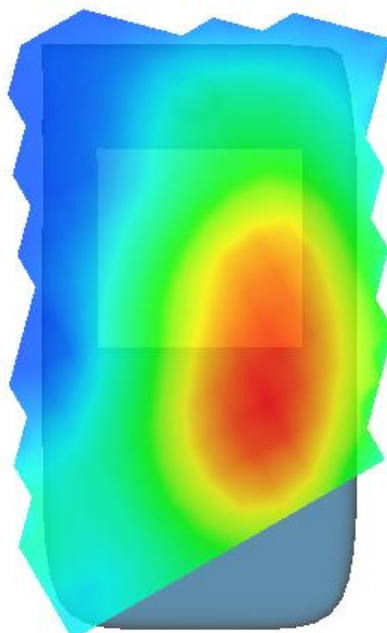
High Band SAR (Channel 19100):		Date: 05/15/2023
Frequency (MHz)	1900.000000	
Relative permittivity (real part)	39.076721	
Relative permittivity (imaginary part)	12.607061	
Conductivity (S/m)	1.367609	
Variation (%)	-1.130000	
Crest Factor	1.0	
Probe Conversion factor	2.23	
E-Field Probe:	SSE2 (SN 25/22 EPG0375)	
Area Scan	dx=8mm dy=8mm, h= 5.00 mm	
ZoomScan	5x5x7,dx=8mm dy=8mm dz=5mm,Complete/ndx=8mm dy=8mm, h= 5.00 mm	
Phantom	Left head	
Device Position	Cheek	
Band	LTE band 2 (50 RB#50)	
SURFACE SAR		VOLUME SAR
		
Maximum location: X=-22.00, Y=-21.00 SAR Peak: 1.49W/kg		
SAR 10g (W/Kg)		0.582500
SAR 1g (W/Kg)		0.674117



Z (mm)	0.00	4.00	9.00	14.00	19.00
SAR (W/Kg)	1.4878	1.0295	0.6357	0.3877	0.2347



Hot spot position



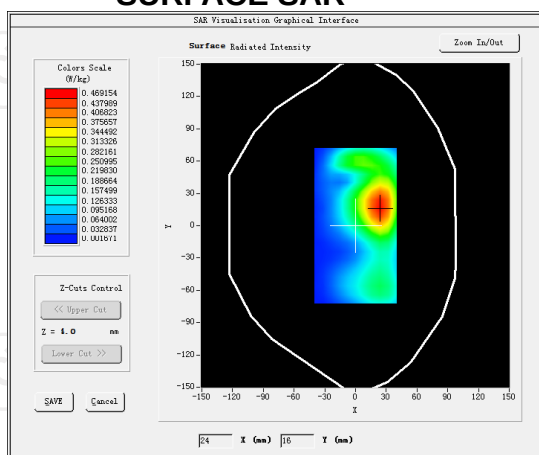
MEASUREMENT 2

High Band SAR (Channel 19100):

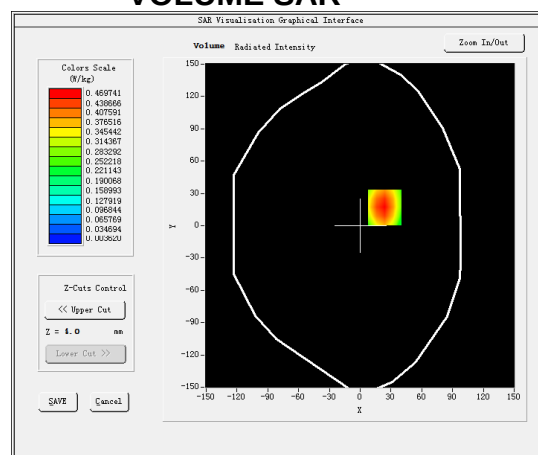
Date: 05/15/2023

Frequency (MHz)	1900.000000
Relative permittivity (real part)	39.076721
Relative permittivity (imaginary part)	12.607061
Conductivity (S/m)	1.367609
Variation (%)	-1.610000
Crest Factor	1.0
Probe Conversion factor	2.23
E-Field Probe:	SSE2 (SN 25/22 EPG0375)
Area Scan	<u>dx=8mm dy=8mm, h= 5.00 mm</u>
ZoomScan	<u>5x5x7,dx=8mm dy=8mm</u> <u>dz=5mm,Complete/ndx=8mm dy=8mm, h=</u> <u>5.00 mm</u>
Phantom	<u>Validation plane</u>
Device Position	<u>Body back(10mm)</u>
Band	<u>LTE band 2 (50 RB#50)</u>

SURFACE SAR

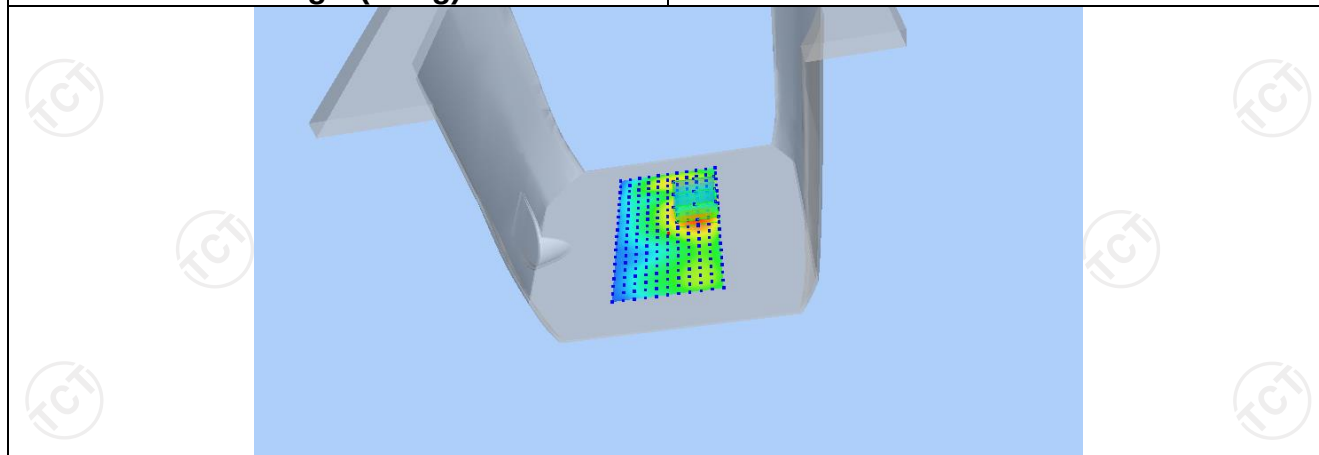


VOLUME SAR

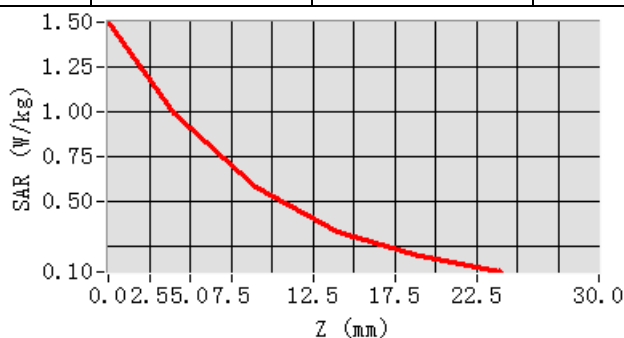


Maximum location: X=-14.00, Y=32.00 SAR Peak: 1.50 W/kg

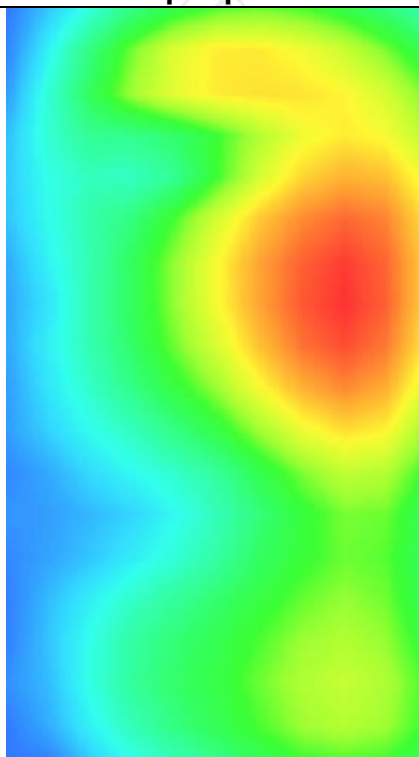
SAR 10g (W/Kg)	0.627129
SAR 1g (W/Kg)	0.740050



Z (mm)	0.00	4.00	9.00	14.00	19.00
SAR (W/Kg)	1.4963	0.9891	0.5738	0.3292	0.1899



Hot spot position



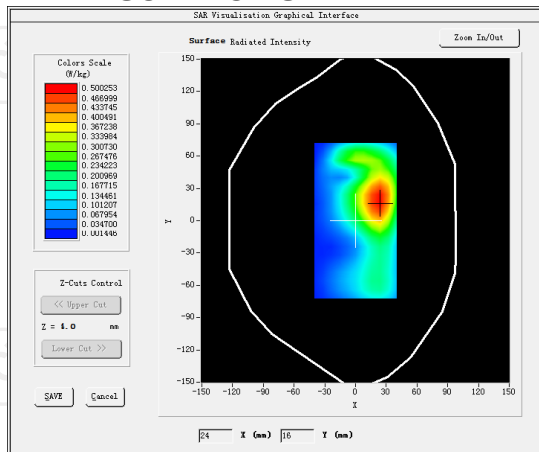
MEASUREMENT 3

High Band SAR (Channel 19100):

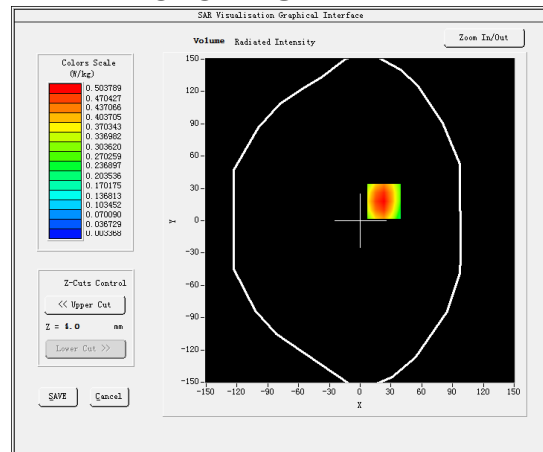
Date: 05/15/2023

Frequency (MHz)	1900.000000
Relative permittivity (real part)	39.076721
Relative permittivity (imaginary part)	12.607061
Conductivity (S/m)	1.367609
Variation (%)	-1.090000
Crest Factor	1.0
Probe Conversion factor	2.23
E-Field Probe:	SSE2 (SN 25/22 EPG0375)
Area Scan	<u>dx=8mm dy=8mm, h= 5.00 mm</u>
ZoomScan	<u>5x5x7,dx=8mm dy=8mm</u> <u>dz=5mm,Complete/ndx=8mm dy=8mm, h=</u> <u>5.00 mm</u>
Phantom	<u>Validation plane</u>
Device Position	<u>Body back(hotspot 10mm)</u>
Band	<u>LTE band 2 (50 RB#50)</u>

SURFACE SAR

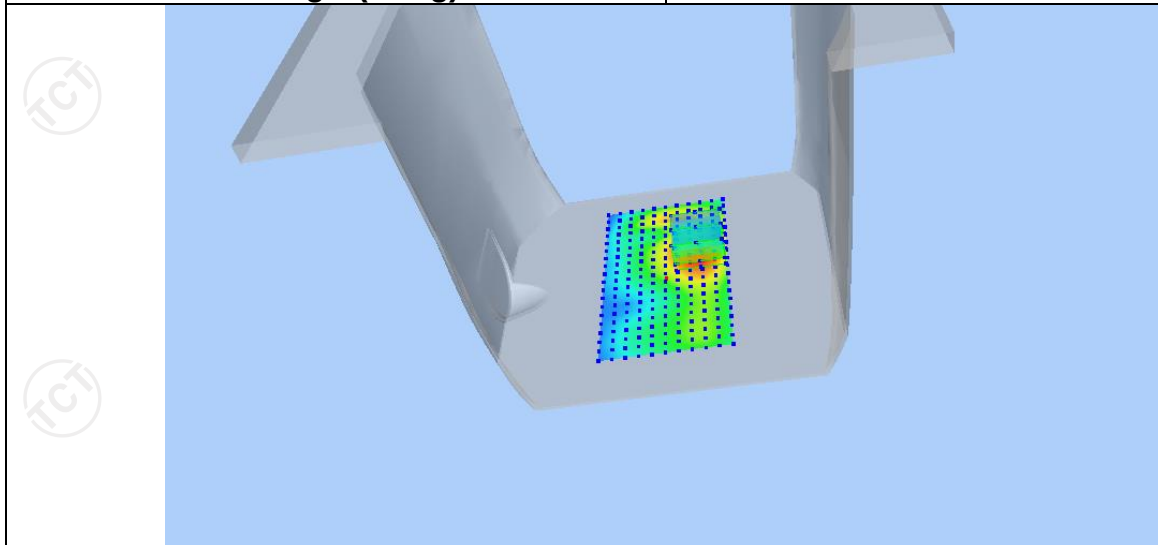


VOLUME SAR

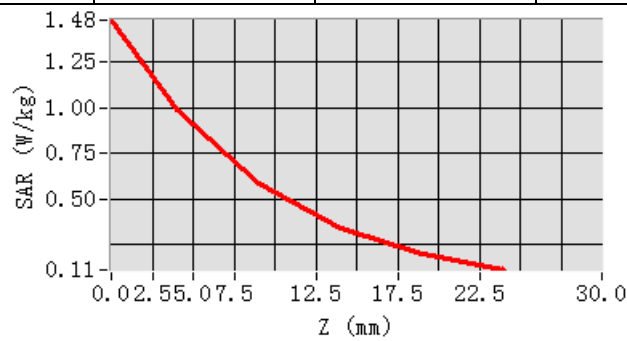


Maximum location: X=-15.00, Y=32.00 SAR Peak: 1.48 W/kg

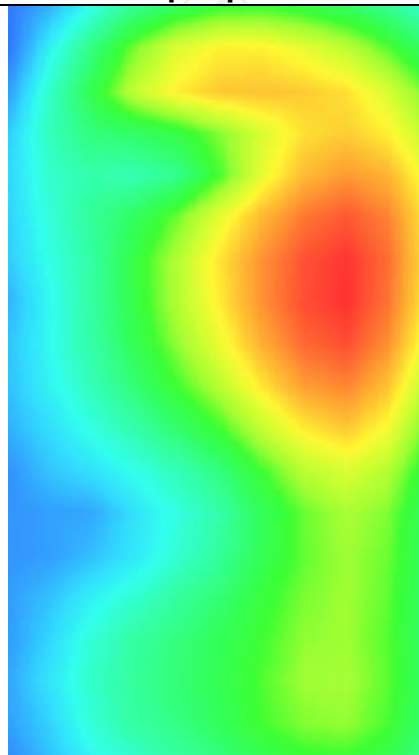
SAR 10g (W/Kg)	0.443211
SAR 1g (W/Kg)	0.782330



Z (mm)	0.00	4.00	9.00	14.00	19.00
SAR (W/Kg)	1.4796	0.9865	0.5796	0.3375	0.1978



Hot spot position



LTE Band 4

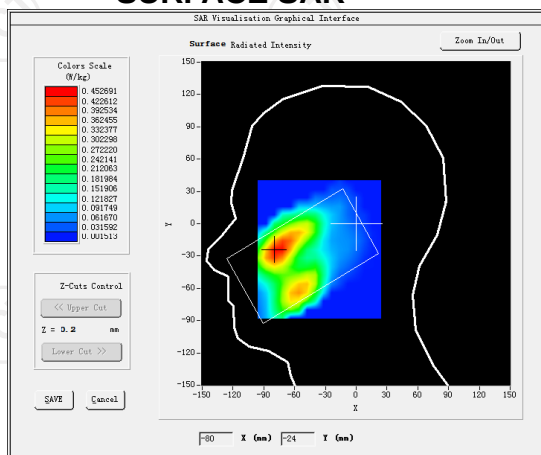
MEASUREMENT 1

Low Band SAR (Channel 20050):

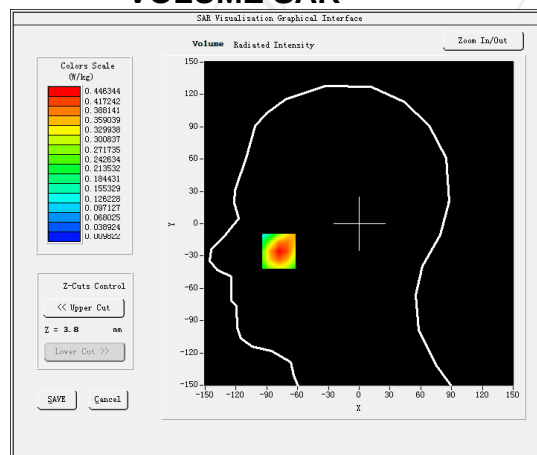
Date: 05/05/2023

Frequency (MHz)	1720.000000
Relative permittivity (real part)	39.070000
Relative permittivity (imaginary part)	14.000000
Conductivity (S/m)	1.380000
Variation (%)	-0.950000
Crest Factor	1.0
Probe Conversion factor	2.08
E-Field Probe:	SSE2 (SN 25/22 EPG0375)
Area Scan	dx=8mm dy=8mm, h= 5.00 mm
ZoomScan	5x5x7, dx=8mm dy=8mm dz=5mm, Complete/ndx=8mm dy=8mm, h= 5.00 mm
Phantom	Left head
Device Position	Cheek
Band	LTE band 4(1 RB#49)

SURFACE SAR



VOLUME SAR



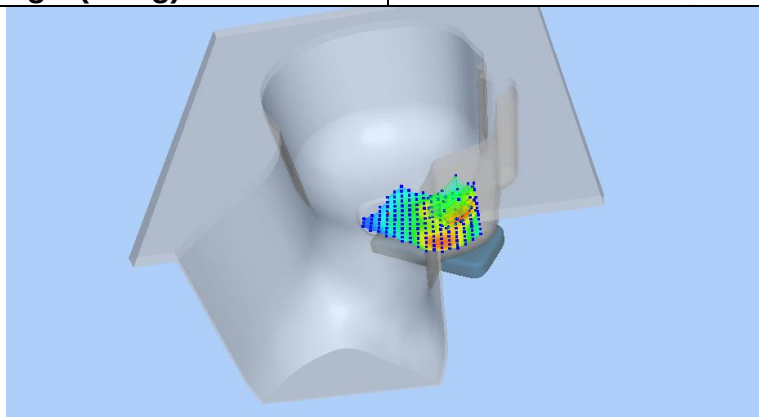
Maximum location: X=-5.00, Y=-14.00 SAR Peak: 1.57 W/kg

SAR 10g (W/Kg)

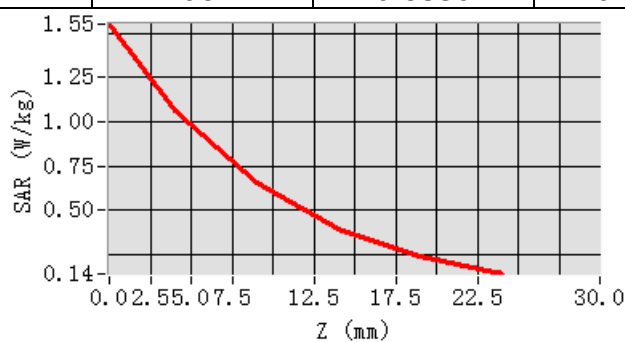
0.249437

SAR 1g (W/Kg)

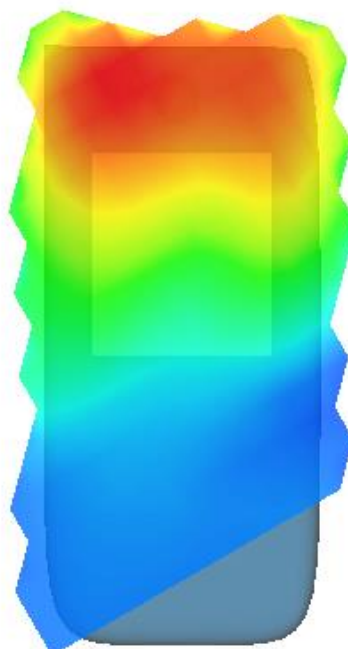
0.749916



Z (mm)	0.00	4.00	9.00	14.00	19.00
SAR (W/Kg)	1.5524	1.0672	0.6550	0.3994	0.2445



Hot spot position



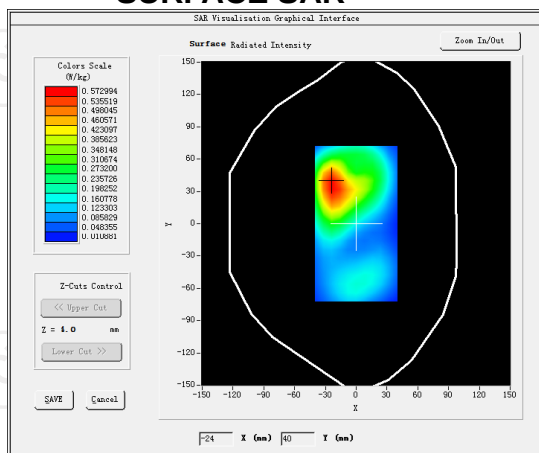
MEASUREMENT 2

Low Band SAR (Channel 20050):

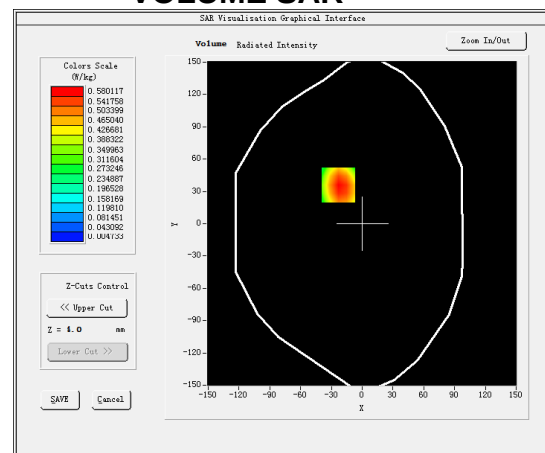
Date: 05/05/2023

Frequency (MHz)	1720.000000
Relative permittivity (real part)	39.070000
Relative permittivity (imaginary part)	14.000000
Conductivity (S/m)	1.380000
Variation (%)	-1.170000
Crest Factor	1.0
Probe Conversion factor	2.08
E-Field Probe:	SSE2 (SN 25/22 EPG0375)
Area Scan	<u>dx=8mm dy=8mm, h= 5.00 mm</u>
ZoomScan	<u>5x5x7, dx=8mm dy=8mm</u> <u>dz=5mm, Complete/ndx=8mm dy=8mm, h=</u> <u>5.00 mm</u>
Phantom	<u>Validation plane</u>
Device Position	<u>Body back(10mm)</u>
Band	<u>LTE band 4(1 RB#49)</u>

SURFACE SAR



VOLUME SAR



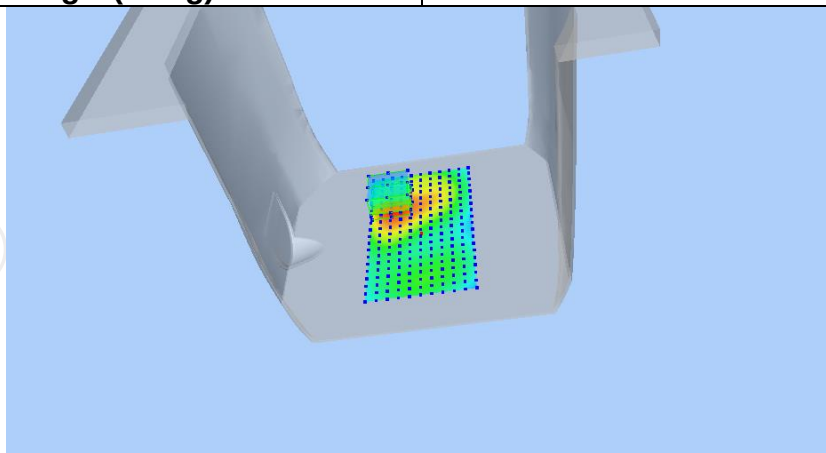
Maximum location: X=-23.00, Y=36.00 SAR Peak: 1.01 W/kg

SAR 10g (W/Kg)

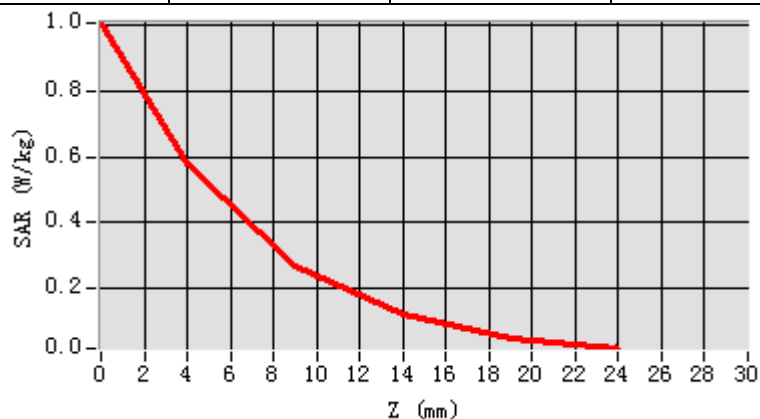
0.289505

SAR 1g (W/Kg)

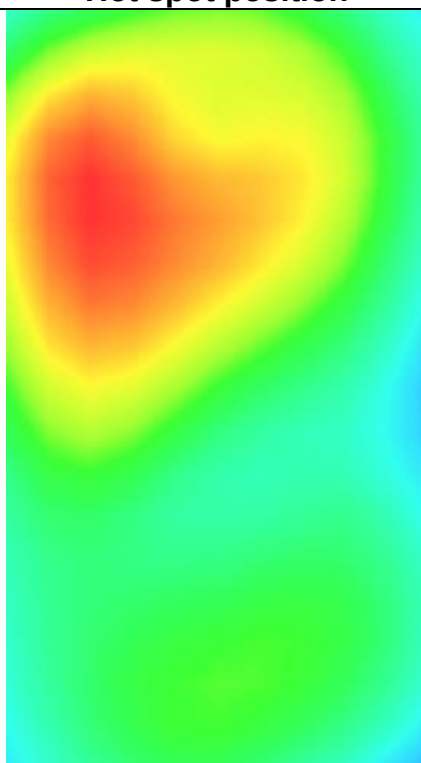
0.556694



Z (mm)	0.00	4.00	9.00	14.00	19.00
SAR (W/Kg)	1.0050	0.5801	0.2718	0.1204	0.0526



Hot spot position



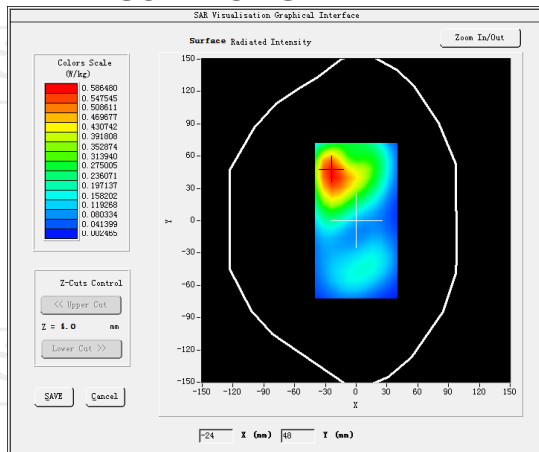
MEASUREMENT 3

Low Band SAR (Channel 20050):

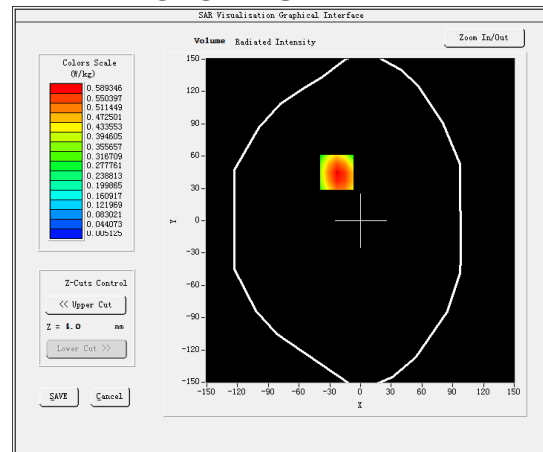
Date: 05/05/2023

Frequency (MHz)	1720.000000
Relative permittivity (real part)	39.070000
Relative permittivity (imaginary part)	14.000000
Conductivity (S/m)	1.380000
Variation (%)	-1.350000
Crest Factor	1.0
Probe Conversion factor	2.08
E-Field Probe:	SSE2 (SN 25/22 EPG0375)
Area Scan	<u>dx=8mm dy=8mm, h= 5.00 mm</u>
ZoomScan	<u>5x5x7, dx=8mm dy=8mm</u> <u>dz=5mm, Complete/ndx=8mm dy=8mm, h=</u> <u>5.00 mm</u>
Phantom	<u>Validation plane</u>
Device Position	<u>Body back(hotspot 10mm)</u>
Band	<u>LTE band 4(1 RB#49)</u>

SURFACE SAR

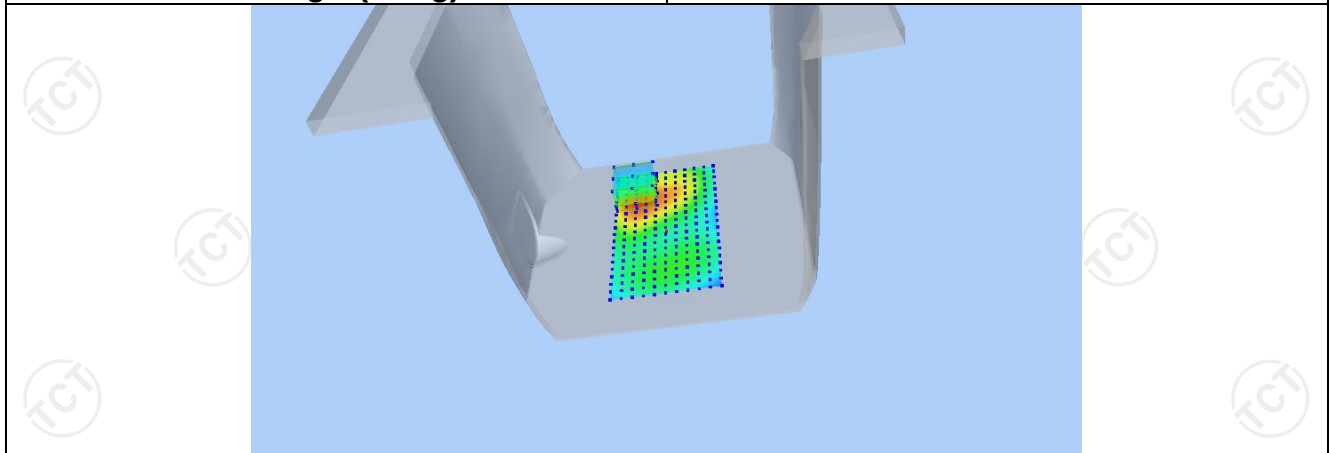


VOLUME SAR

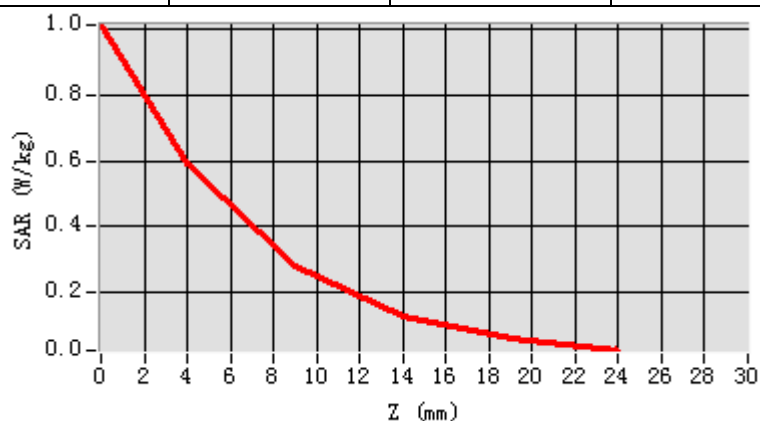


Maximum location: X=-21.00, Y=40.00 SAR Peak: 1.00 W/kg

SAR 10g (W/Kg)	0.297565
SAR 1g (W/Kg)	0.566932



Z (mm)	0.00	4.00	9.00	14.00	19.00
SAR (W/Kg)	1.0151	0.5893	0.2786	0.1246	0.0547



Hot spot position

