

## Appendix B. SAR measurement Data

Test Laboratory: AGC Lab

GSM 850 Low-Touch-Left <SIM 1>

**DUT: GSM Mobile Phone; Type: GO180**

Date: Apr.09, 2013

Communication System: Generic GSM; Communication System Band: GSM 850; Duty Cycle: 1:8.3; Conv.F=6.05 Frequency: 824.2 MHz; Medium parameters used:  $f = 850$  MHz;  $\sigma = 0.85$  mho/m;  $\epsilon_r = 42.36$ ;  $\rho = 1000$  kg/m<sup>3</sup> ;

Phantom section: Left Section

Ambient temperature (°C): 21.0, Liquid temperature (°C): 21.0

Satimo Configuration:

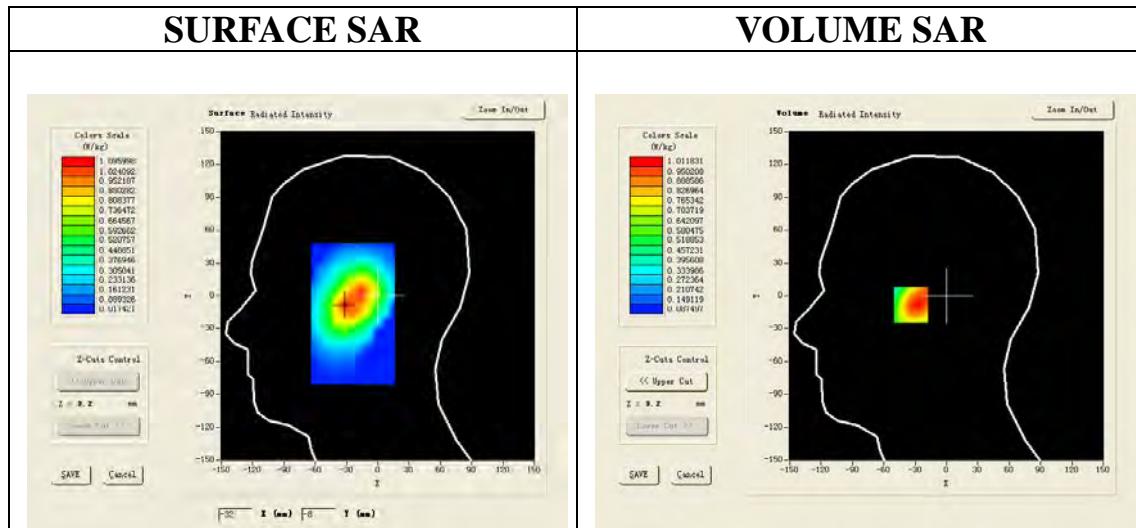
Probe: EP159; Calibrated: 12/11/2012

- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Phantom: SAM1; Type: SAM
- Measurement SW: OpenSAR V4\_02\_01

**Configuration/GSM 850 Low-Touch-Left/Area Scan (6x8x1):** Measurement grid: dx=20mm, dy=20mm

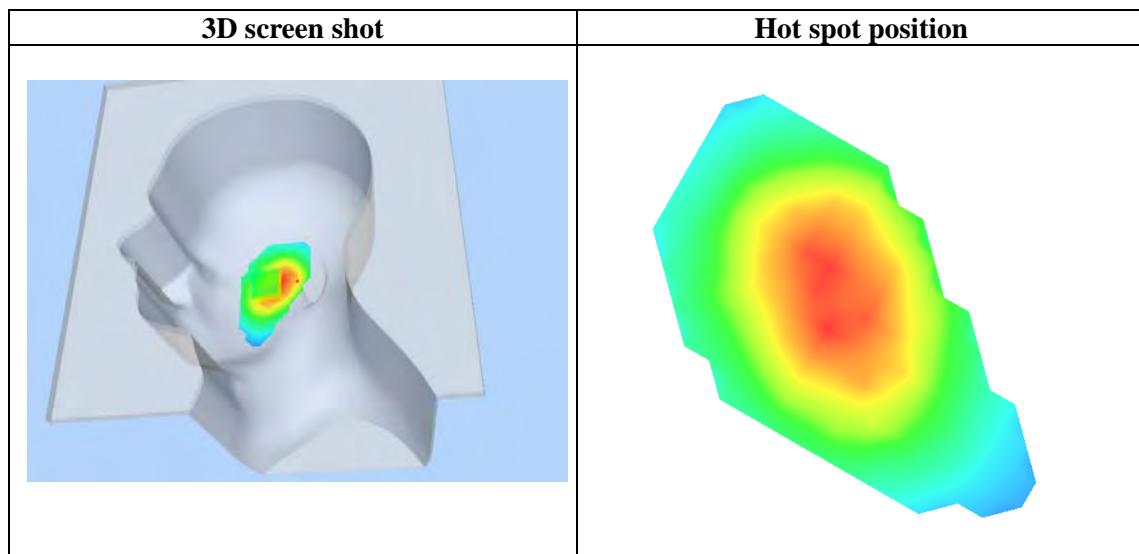
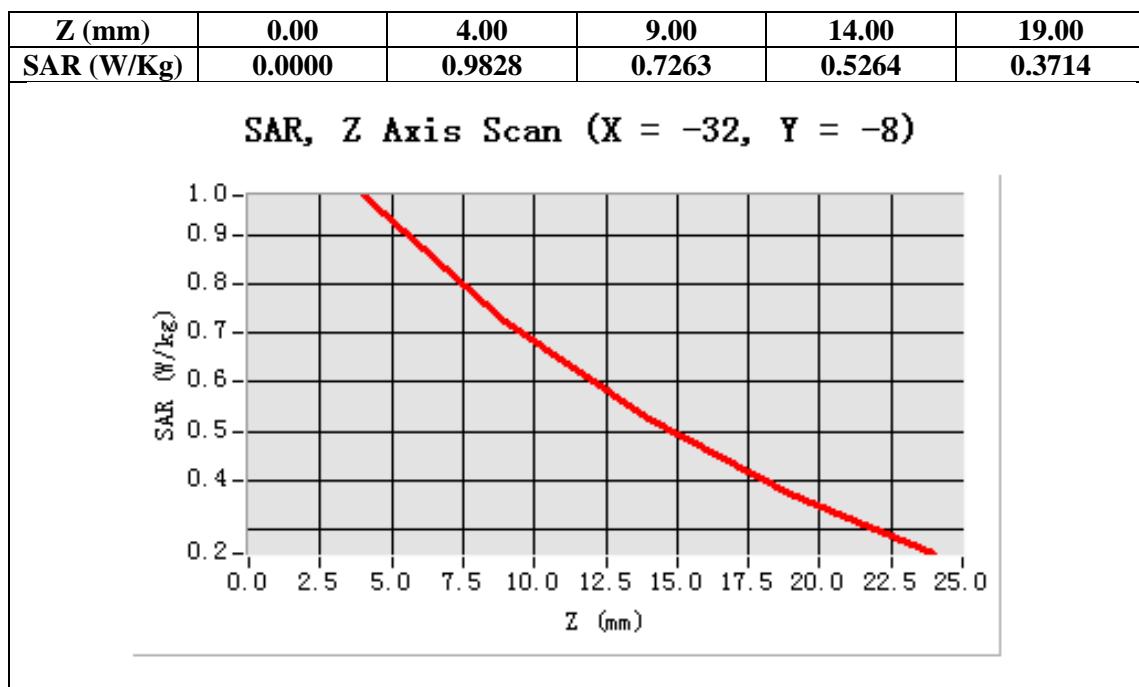
**Configuration/GSM 850 Low-Touch-Left/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

<b>Area Scan</b>	sam_direct_droit2_surf8mm.txt
<b>ZoomScan</b>	5x5x7,dx=8mm dy=8mm dz=5mm,Very fast
<b>Phantom</b>	Left head
<b>Device Position</b>	Cheek
<b>Band</b>	GSM 850
<b>Channels</b>	Low
<b>Signal</b>	TDMA (Crest factor: 8.0)



Maximum location: X=-32.00, Y=-8.00

<b>SAR 10g (W/Kg)</b>	0.654356
<b>SAR 1g (W/Kg)</b>	0.970125



Test Laboratory: AGC Lab  
GSM 850 Mid-Touch-Left <SIM 1>  
**DUT: GSM Mobile Phone; Type: GO180**

**Date: Apr.09, 2013**

Communication System: Generic GSM; Communication System Band: GSM 850; Duty Cycle: 1:8.3; Conv.F=6.05 Frequency: 836.6 MHz; Medium parameters used:  $f = 850$  MHz;  $\sigma = 0.85$  mho/m;  $\epsilon_r = 42.36$ ;  $\rho = 1000$  kg/m<sup>3</sup> ; Phantom section: Left Section  
Ambient temperature (°C): 21.0, Liquid temperature (°C): 21.0

Satimo Configuration:

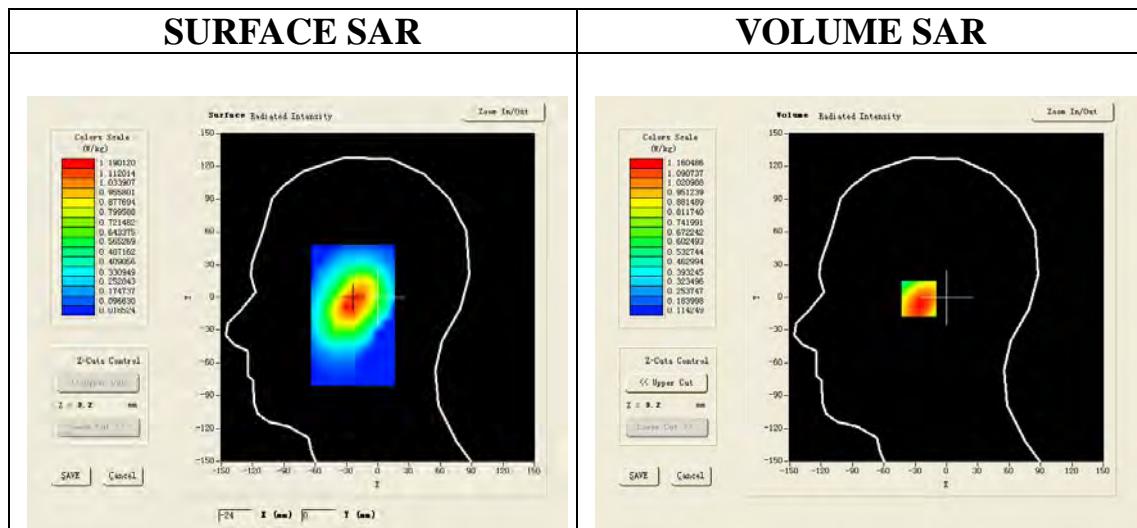
Probe: EP159; Calibrated: 12/11/2012

- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Phantom: SAM1; Type: SAM
- Measurement SW: OpenSAR V4\_02\_01

**Configuration/GSM 850 Mid-Touch-Left/Area Scan (6x8x1):** Measurement grid: dx=20mm, dy=20mm

**Configuration/GSM 850 Mid-Touch-Left/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

<b>Area Scan</b>	sam_direct_droit2_surf8mm.txt
<b>ZoomScan</b>	5x5x7,dx=8mm dy=8mm dz=5mm,Very fast
<b>Phantom</b>	Left head
<b>Device Position</b>	Cheek
<b>Band</b>	GSM 850
<b>Channels</b>	Middle
<b>Signal</b>	TDMA (Crest factor: 8.0)

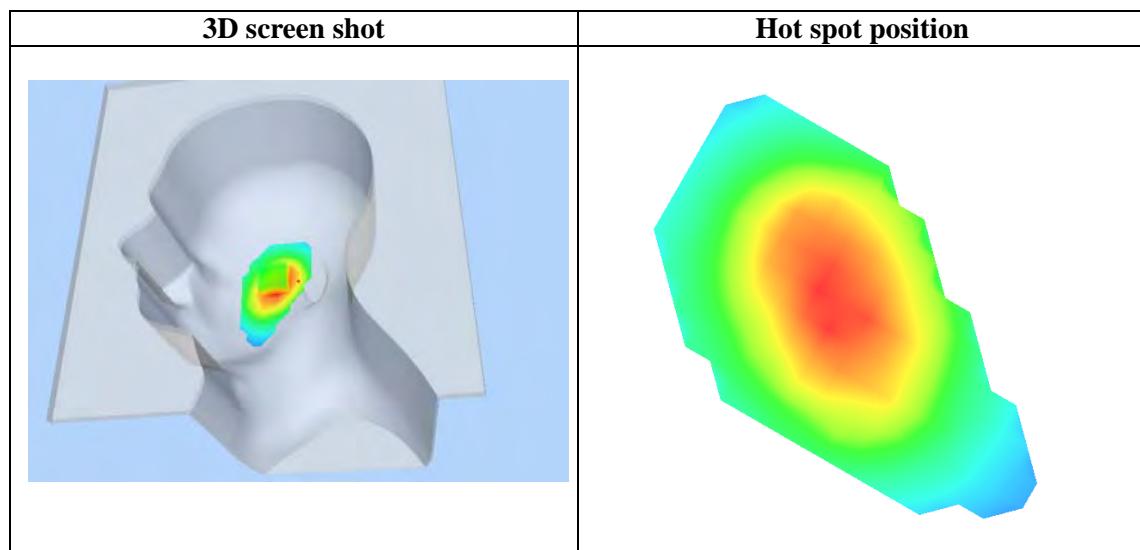
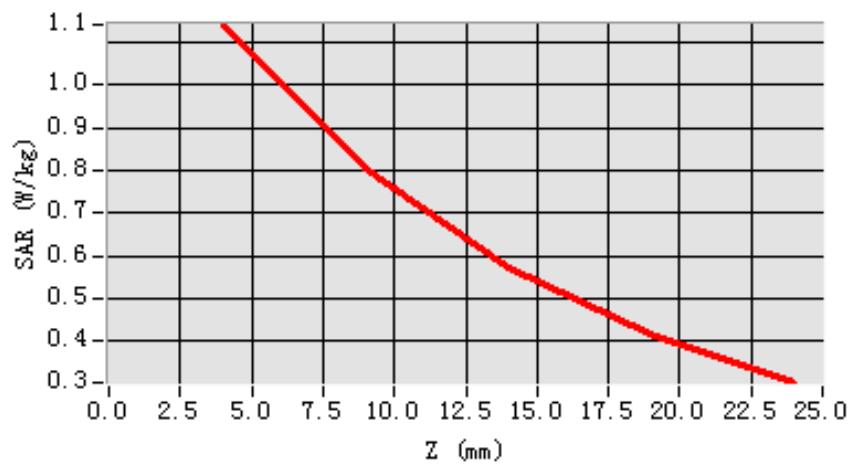


**Maximum location: X=-24.00, Y=-1.00**

<b>SAR 10g (W/Kg)</b>	0.756147
<b>SAR 1g (W/Kg)</b>	1.116302

Z (mm)	0.00	4.00	9.00	14.00	19.00
SAR (W/Kg)	0.0000	1.1418	0.8041	0.5744	0.4192

**SAR, Z Axis Scan (X = -24, Y = -1)**



Test Laboratory: AGC Lab  
GSM 850 High-Touch-Left <SIM 1>  
**DUT: GSM Mobile Phone; Type: GO180**

**Date: Apr.09, 2013**

Communication System: Generic GSM; Communication System Band: GSM 850; Duty Cycle: 1:8.3; Conv.F=6.05  
Frequency: 848.8 MHz; Medium parameters used:  $f = 850$  MHz;  $\sigma = 0.85$  mho/m;  $\epsilon_r = 42.36$ ;  $\rho = 1000$  kg/m<sup>3</sup> ;  
Phantom section: Left Section  
Ambient temperature (°C): 21.0, Liquid temperature (°C): 21.0

Satimo Configuration:

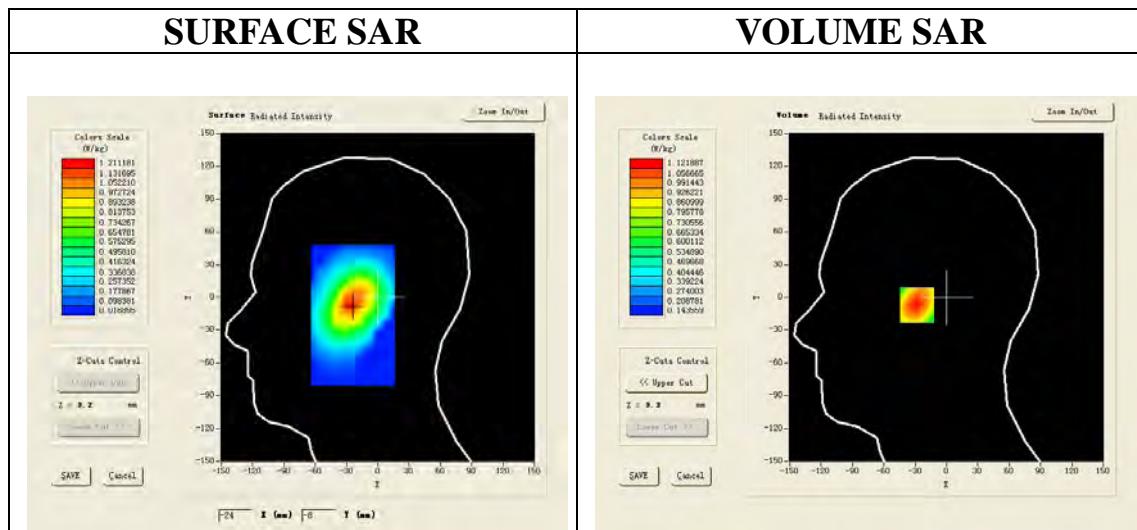
Probe: EP159; Calibrated: 12/11/2012

- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Phantom: SAM1; Type: SAM
- Measurement SW: OpenSAR V4\_02\_01

**Configuration/GSM 850 High-Touch-Left/Area Scan (6x8x1):** Measurement grid: dx=20mm, dy=20mm

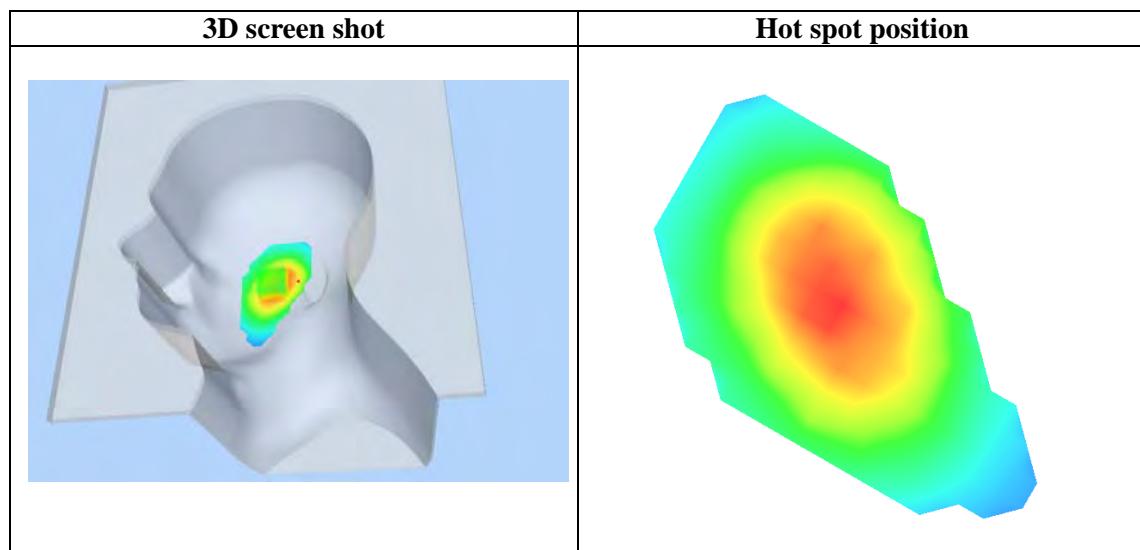
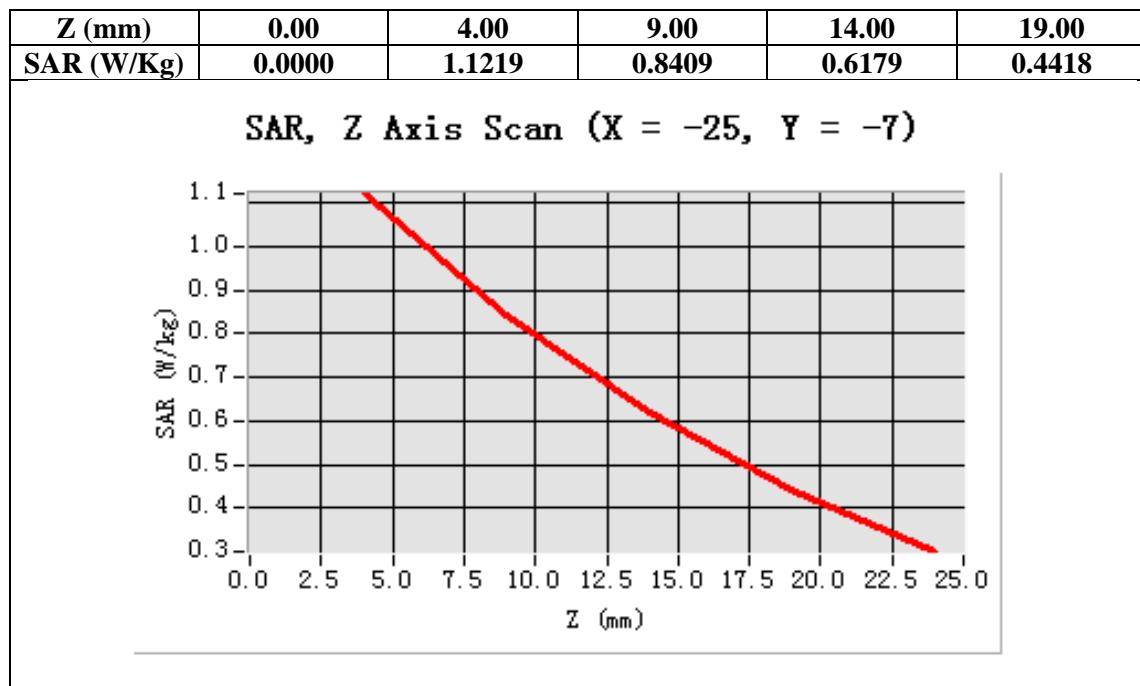
**Configuration/GSM 850 High-Touch-Left/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

<b>Area Scan</b>	sam_direct_droit2_surf8mm.txt
<b>ZoomScan</b>	5x5x7,dx=8mm dy=8mm dz=5mm,Very fast
<b>Phantom</b>	Left head
<b>Device Position</b>	Cheek
<b>Band</b>	GSM 850
<b>Channels</b>	High
<b>Signal</b>	TDMA (Crest factor: 8.0)



**Maximum location: X=-25.00, Y=-7.00**

<b>SAR 10g (W/Kg)</b>	0.731112
<b>SAR 1g (W/Kg)</b>	1.070078



Test Laboratory: AGC Lab  
GSM 850 Low-Tilt-Left <SIM 1>  
**DUT: GSM Mobile Phone;** **Type: GO180**

**Date: Apr.09, 2013**

Communication System: Generic GSM; Communication System Band: GSM 850; Duty Cycle: 1:8.3; Conv.F=6.05; Frequency: 824.2 MHz; Medium parameters used:  $f = 850 \text{ MHz}$ ;  $\sigma = 0.85 \text{ mho/m}$ ;  $\epsilon_r = 42.36$ ;  $\rho = 1000 \text{ kg/m}^3$  ; Phantom section: Left Section  
Ambient temperature ( $^\circ\text{C}$ ): 21.0, Liquid temperature( $^\circ\text{C}$ ): 21.0

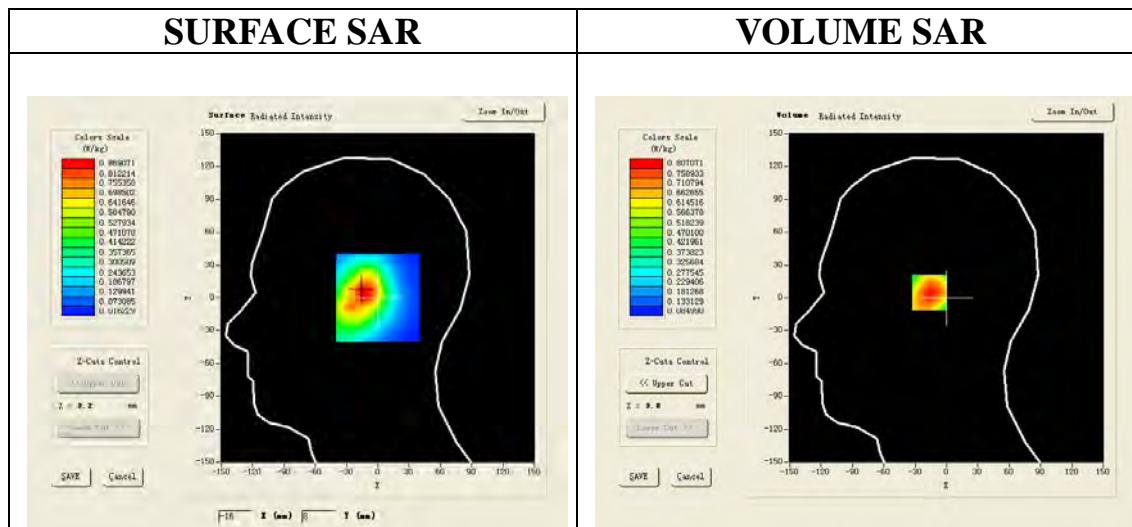
Satimo Configuration:

- Probe: EP159; Calibrated: 12/11/2012
- Sensor-Surface: 4mm (Mechanical Surface Detection)
  - Phantom: SAM1; Type: SAM
  - Measurement SW: OpenSAR V4\_02\_01

**Configuration/GSM 850 Low-Tilt-Left/Area Scan (6x8x1):** Measurement grid: dx=20mm, dy=20mm

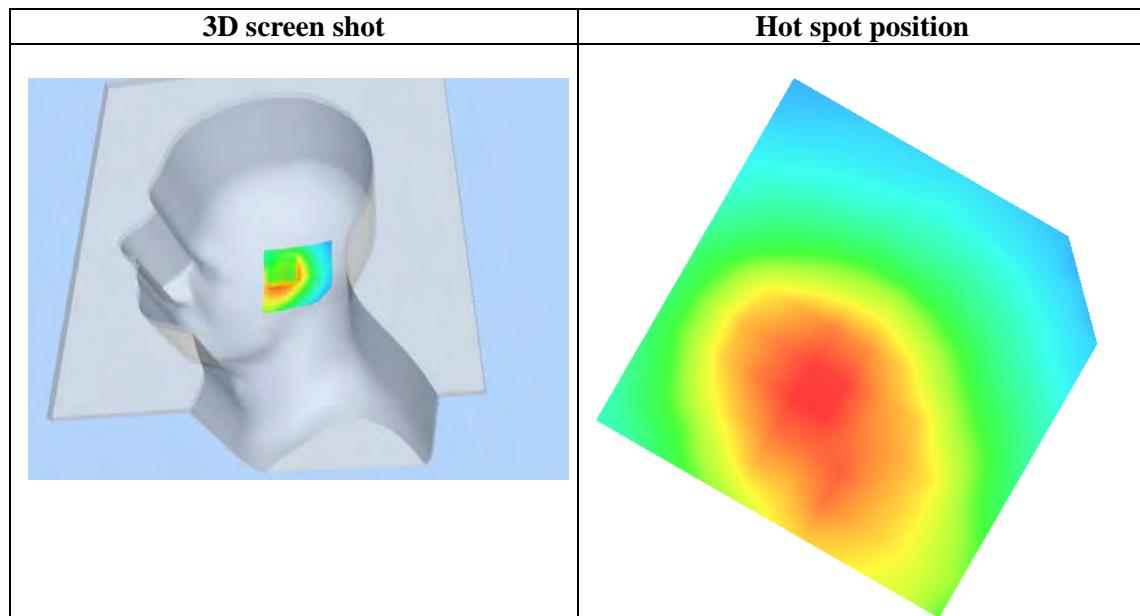
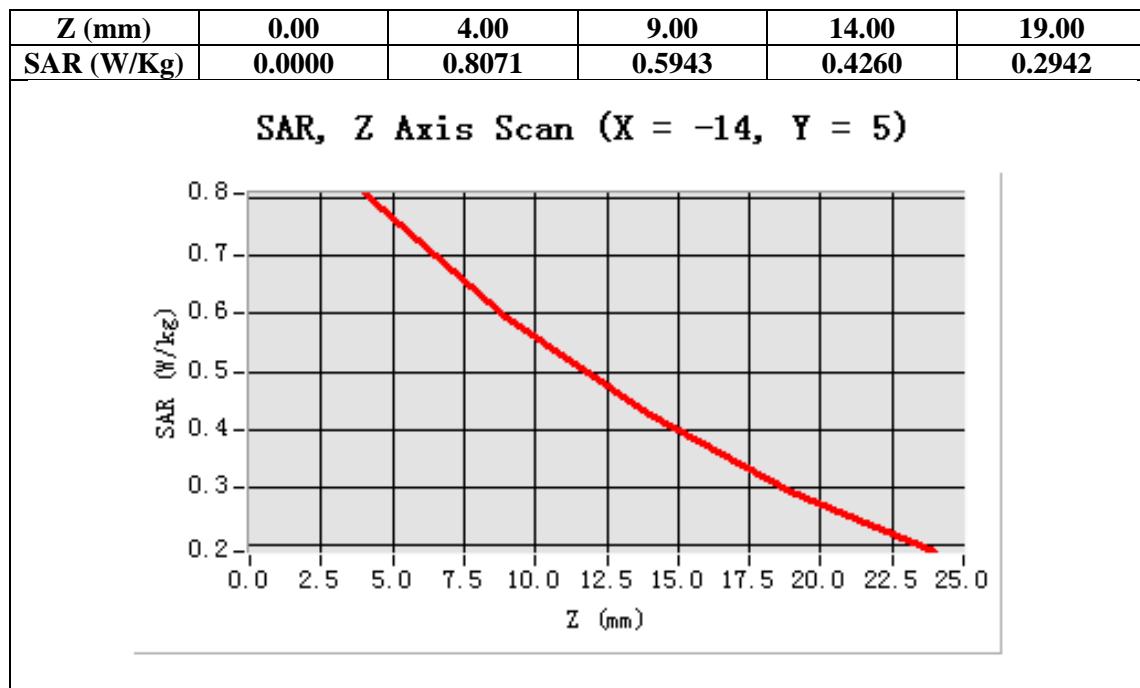
**Configuration/GSM 850 Low-Tilt-Left/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm,dz=5mm;

<b>Area Scan</b>	sam_direct_droit2_surf8mm.txt
<b>ZoomScan</b>	5x5x7,dx=8mm dy=8mm dz=5mm,Very fast
<b>Phantom</b>	Left head
<b>Device Position</b>	Tilt
<b>Band</b>	GSM 850
<b>Channels</b>	Low
<b>Signal</b>	TDMA (Crest factor: 8.0)



**Maximum location: X=-14.00, Y=5.00**

<b>SAR 10g (W/Kg)</b>	0.516978
<b>SAR 1g (W/Kg)</b>	0.770501



Test Laboratory: AGC Lab  
GSM 850 Mid-Tilt-Left <SIM 1>  
**DUT: GSM Mobile Phone;** **Type: GO180**

**Date: Apr.09, 2013**

Communication System: Generic GSM; Communication System Band: GSM 850; Duty Cycle: 1:8.3; Conv.F=6.05; Frequency: 836.6 MHz; Medium parameters used:  $f = 850 \text{ MHz}$ ;  $\sigma = 0.85 \text{ mho/m}$ ;  $\epsilon_r = 42.36$ ;  $\rho = 1000 \text{ kg/m}^3$  ; Phantom section: Left Section  
Ambient temperature ( $^\circ\text{C}$ ): 21.0, Liquid temperature( $^\circ\text{C}$ ): 21.0

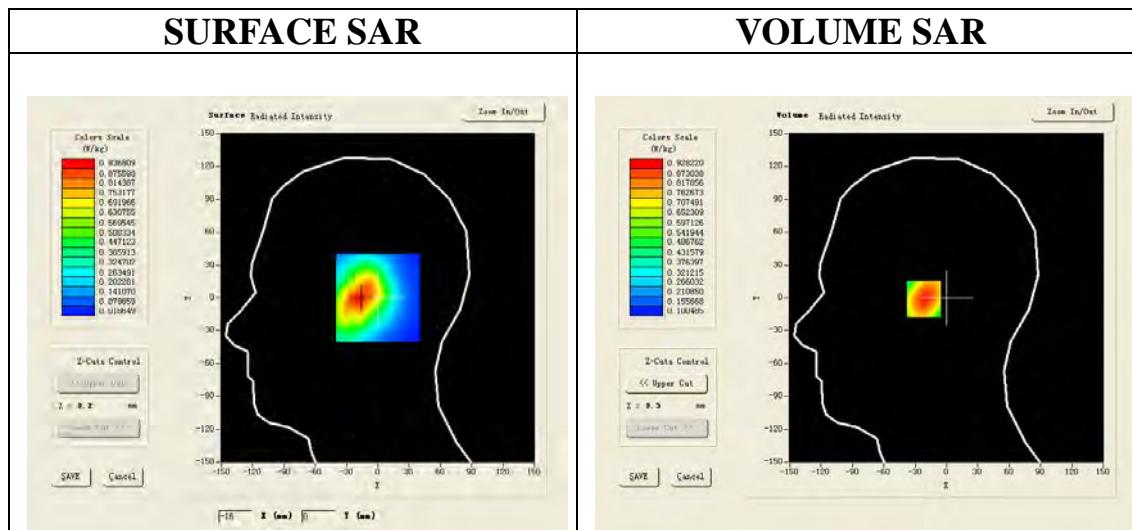
Satimo Configuration:

- Probe: EP159; Calibrated: 12/11/2012
- Sensor-Surface: 4mm (Mechanical Surface Detection)
  - Phantom: SAM1; Type: SAM
  - Measurement SW: OpenSAR V4\_02\_01

**Configuration/GSM 850 Mid-Tilt-Left/Area Scan (6x8x1):** Measurement grid: dx=20mm, dy=20mm

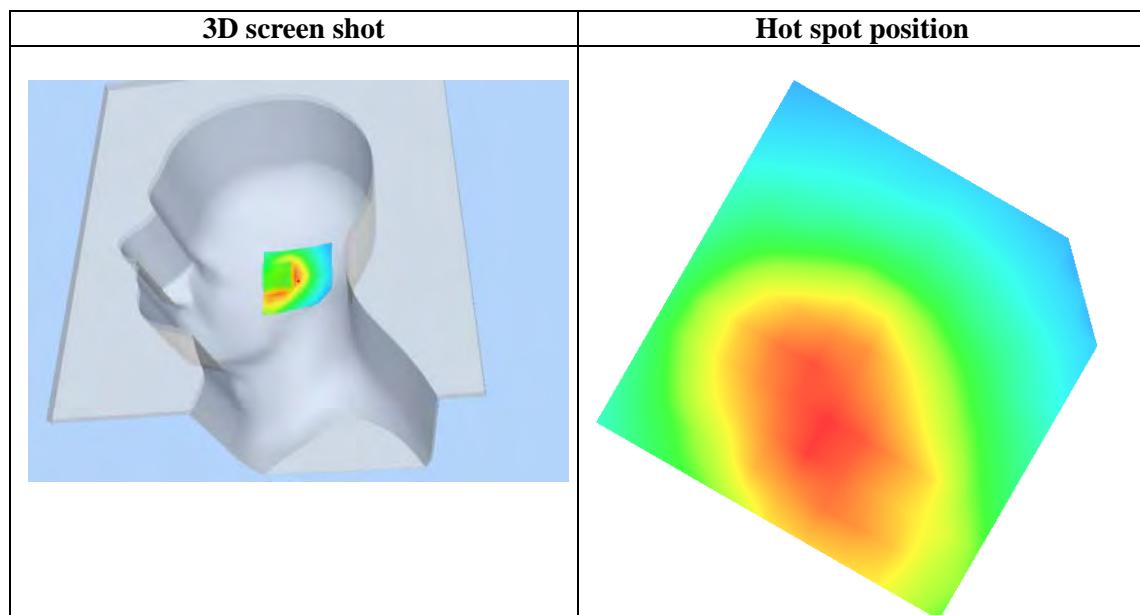
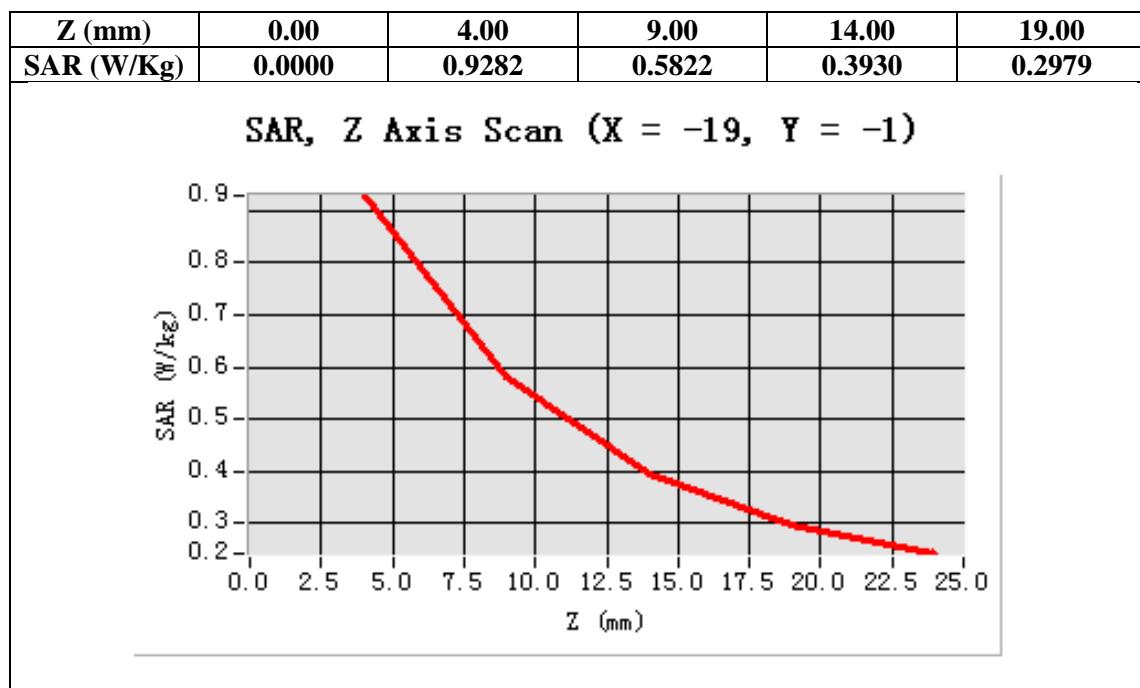
**Configuration/GSM 850 Mid-Tilt-Left/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm,dz=5mm;

<b>Area Scan</b>	sam_direct_droit2_surf8mm.txt
<b>ZoomScan</b>	5x5x7,dx=8mm dy=8mm dz=5mm,Very fast
<b>Phantom</b>	Left head
<b>Device Position</b>	Tilt
<b>Band</b>	GSM 850
<b>Channels</b>	Middle
<b>Signal</b>	TDMA (Crest factor: 8.0)



**Maximum location: X=-19.00, Y=-1.00**

<b>SAR 10g (W/Kg)</b>	0.572499
<b>SAR 1g (W/Kg)</b>	0.886591



Test Laboratory: AGC Lab  
GSM 850 High-Tilt-Left <SIM 1>  
**DUT: GSM Mobile Phone;** **Type: GO180**

**Date: Apr.09, 2013**

Communication System: Generic GSM; Communication System Band: GSM 850; Duty Cycle: 1:8.3; Conv.F=6.05; Frequency: 848.8 MHz; Medium parameters used:  $f = 850 \text{ MHz}$ ;  $\sigma = 0.85 \text{ mho/m}$ ;  $\epsilon_r = 42.36$ ;  $\rho = 1000 \text{ kg/m}^3$  ; Phantom section: Left Section  
Ambient temperature ( $^\circ\text{C}$ ): 21.0, Liquid temperature( $^\circ\text{C}$ ): 21.0

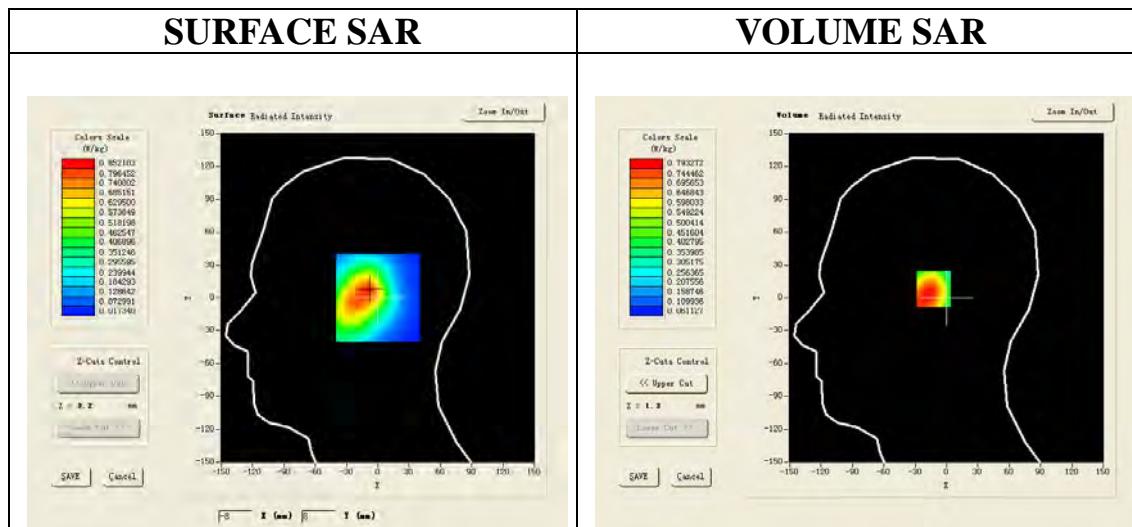
Satimo Configuration:

- Probe: EP159; Calibrated: 12/11/2012
- Sensor-Surface: 4mm (Mechanical Surface Detection)
  - Phantom: SAM1; Type: SAM
  - Measurement SW: OpenSAR V4\_02\_01

**Configuration/GSM 850 High-Tilt-Left/Area Scan (6x8x1):** Measurement grid: dx=20mm, dy=20mm

**Configuration/GSM 850 High-Tilt-Left/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm,dz=5mm;

<b>Area Scan</b>	sam_direct_droit2_surf8mm.txt
<b>ZoomScan</b>	5x5x7,dx=8mm dy=8mm dz=5mm,Very fast
<b>Phantom</b>	Left head
<b>Device Position</b>	Tilt
<b>Band</b>	GSM 850
<b>Channels</b>	High
<b>Signal</b>	TDMA (Crest factor: 8.0)

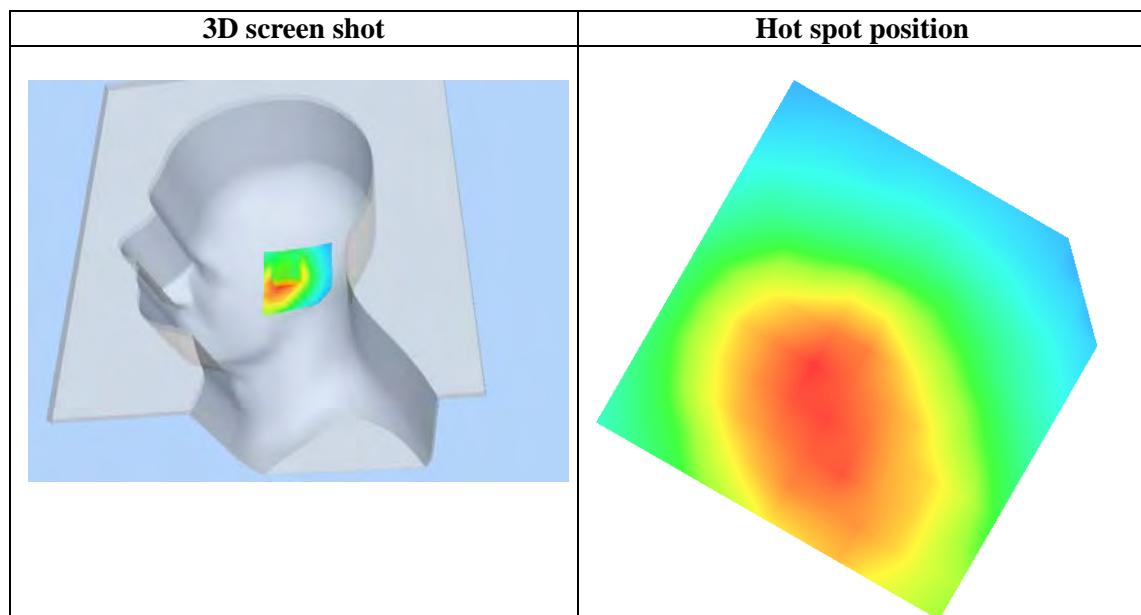
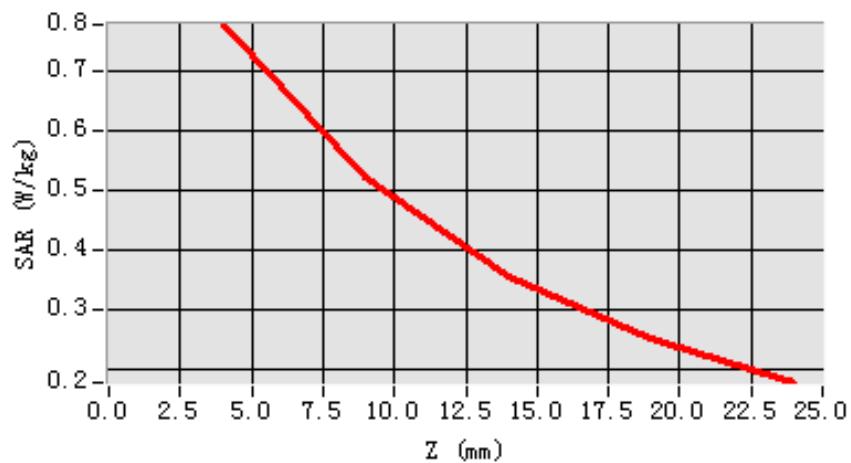


**Maximum location: X=-9.00, Y=8.00**

<b>SAR 10g (W/Kg)</b>	0.5000881
<b>SAR 1g (W/Kg)</b>	0.766882

Z (mm)	0.00	4.00	9.00	14.00	19.00
SAR (W/Kg)	0.0000	0.7787	0.5217	0.3565	0.2517

**SAR, Z Axis Scan (X = -9, Y = 8)**



Test Laboratory: AGC Lab  
GSM 850 Low- Touch-Right <SIM 1>  
**DUT: GSM Mobile Phone;** **Type: GO180**

**Date: Apr.09, 2013**

Communication System: Generic GSM; Communication System Band: GSM 850; Duty Cycle: 1:8.3; Conv.F=6.05; Frequency: 824.2 MHz; Medium parameters used:  $f = 850$  MHz;  $\sigma = 0.85$  mho/m;  $\epsilon_r = 42.36$ ;  $\rho = 1000$  kg/m<sup>3</sup> ; Phantom section: Right Section  
Ambient temperature (°C): 21.0, Liquid temperature (°C): 21.0

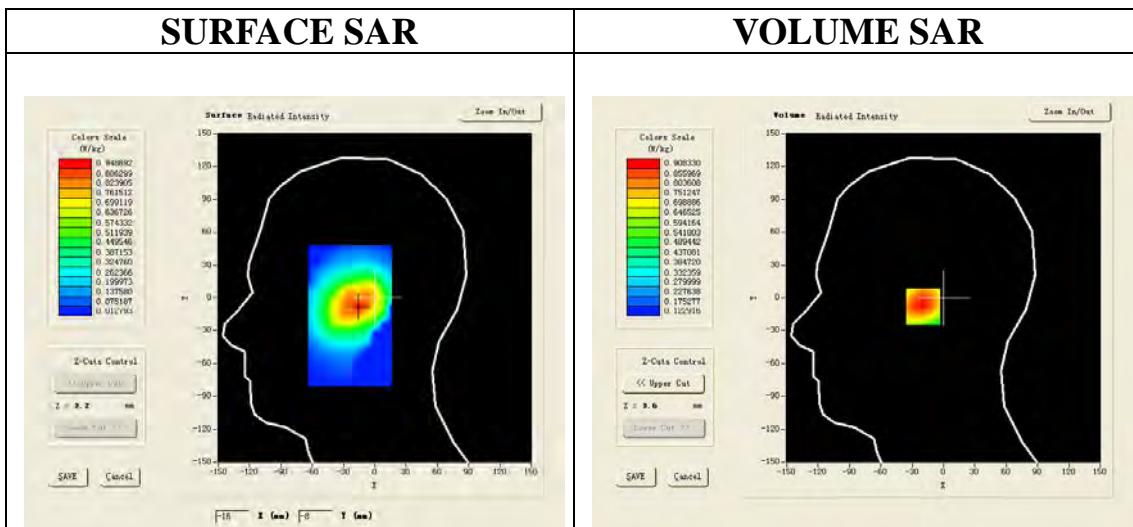
Satimo Configuration:

- Probe: EP159; Calibrated: 12/11/2012
- Sensor-Surface: 4mm (Mechanical Surface Detection)
  - Phantom: SAM1; Type: SAM
  - Measurement SW: OpenSAR V4\_02\_01

**Configuration/GSM 850 Low-Touch-Right/Area Scan:** Measurement grid: dx=20mm, dy=20mm

**Configuration/GSM 850 Low-Touch-Right/Zoom Scan:** Measurement grid: dx=8mm, dy=8mm, dz=5mm;

<b>Area Scan</b>	sam_direct_droit2_surf8mm.txt
<b>ZoomScan</b>	5x5x7,dx=8mm dy=8mm dz=5mm,Very fast
<b>Phantom</b>	Right head
<b>Device Position</b>	Cheek
<b>Band</b>	GSM 850
<b>Channels</b>	Low
<b>Signal</b>	TDMA (Crest factor: 8.0)

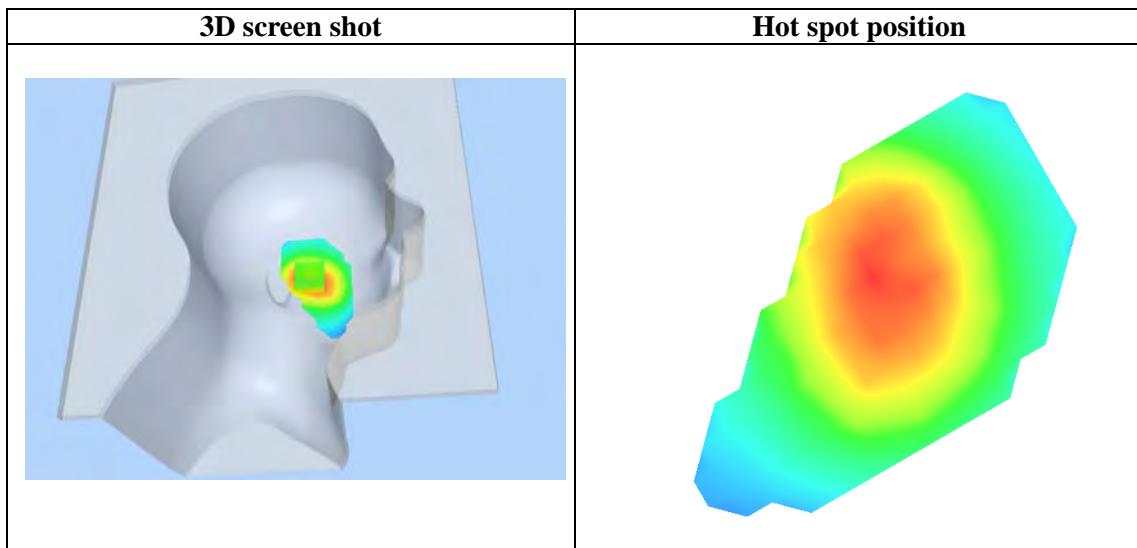
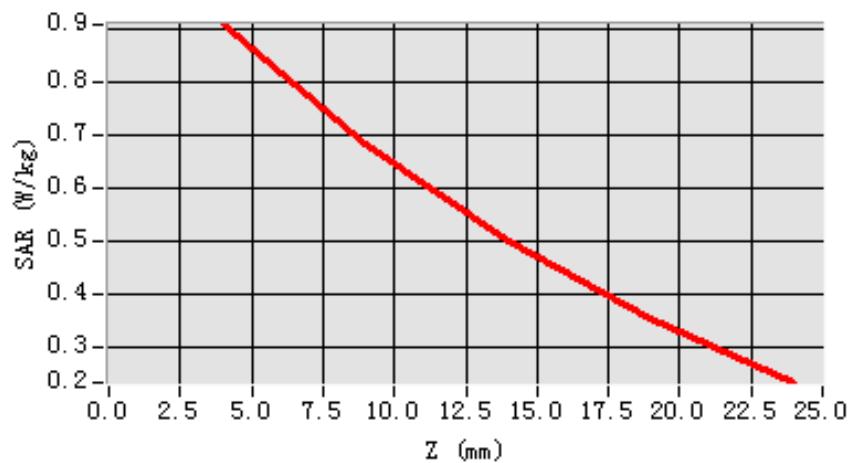


**Maximum location: X=-16.00, Y=-8.00**

<b>SAR 10g (W/Kg)</b>	0.600494
<b>SAR 1g (W/Kg)</b>	0.874921

Z (mm)	0.00	4.00	9.00	14.00	19.00
SAR (W/Kg)	0.0000	0.9083	0.6844	0.5018	0.3544

**SAR, Z Axis Scan (X = -16, Y = -8)**



Test Laboratory: AGC Lab  
GSM 850 Mid- Touch-Right <SIM 1>  
**DUT: GSM Mobile Phone; Type: GO180**

**Date: Apr.09, 2013**

Communication System: Generic GSM; Communication System Band: GSM 850; Duty Cycle: 1:8.3; Conv.F=6.05; Frequency: 836.6 MHz; Medium parameters used:  $f = 850$  MHz;  $\sigma = 0.85$  mho/m;  $\epsilon_r = 42.36$ ;  $\rho = 1000$  kg/m<sup>3</sup> ; Phantom section: Right Section  
Ambient temperature (°C): 21.0, Liquid temperature (°C): 21.0

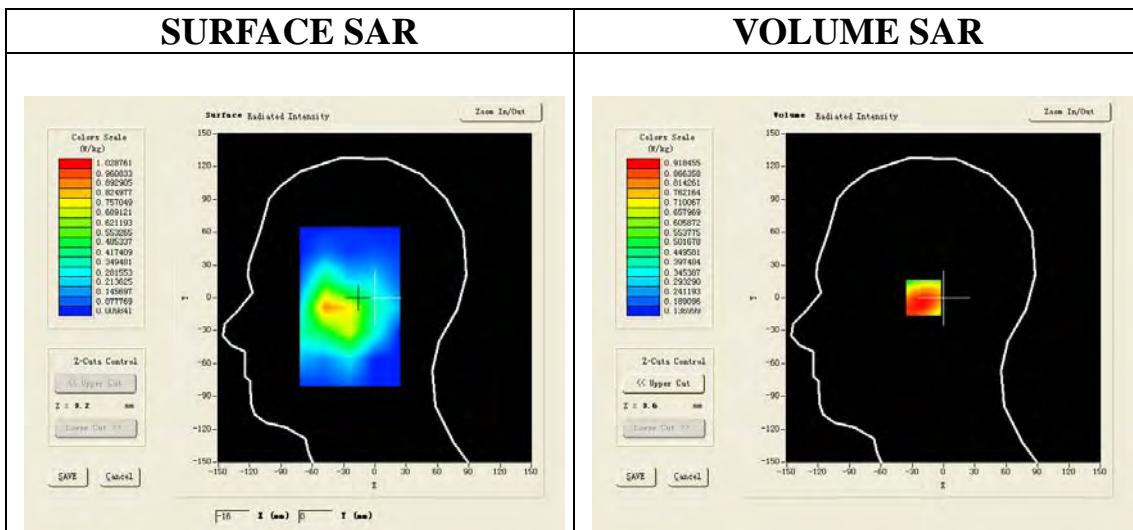
Satimo Configuration:

- Probe: EP159; Calibrated: 12/11/2012
- Sensor-Surface: 4mm (Mechanical Surface Detection)
  - Phantom: SAM1; Type: SAM
  - Measurement SW: OpenSAR V4\_02\_01

**Configuration/GSM 850 Mid-Touch-Right/Area Scan:** Measurement grid: dx=20mm, dy=20mm

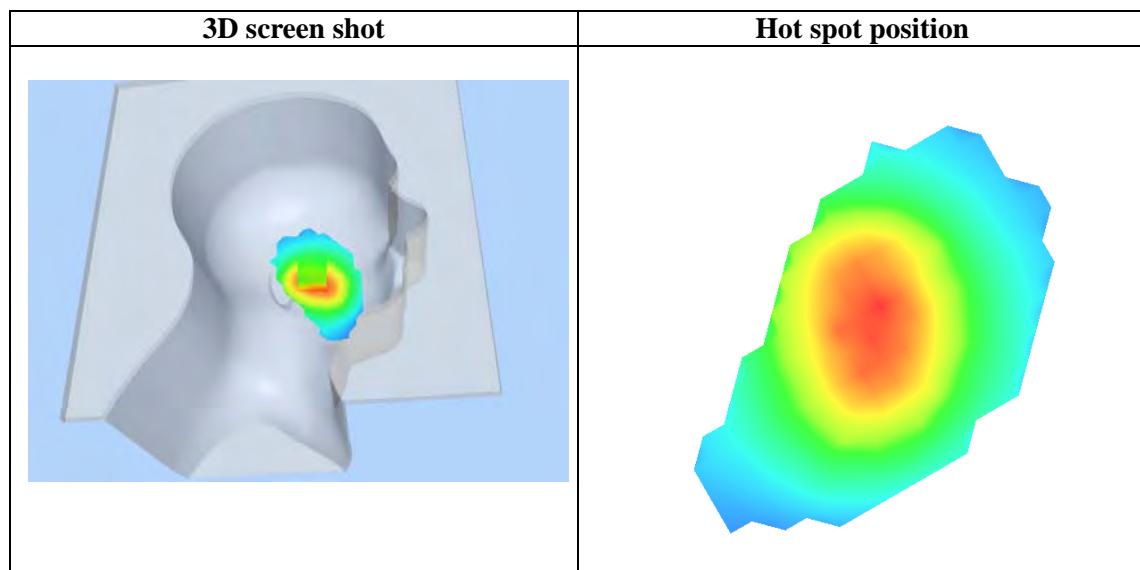
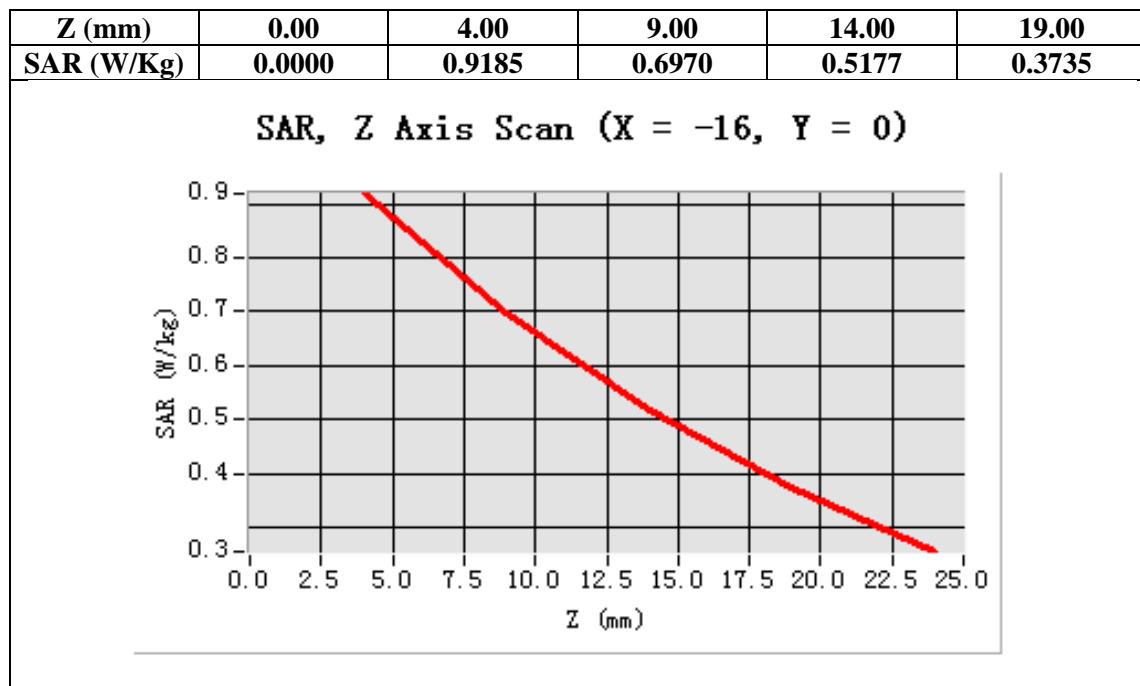
**Configuration/GSM 850 Mid-Touch-Right/Zoom Scan:** Measurement grid: dx=8mm, dy=8mm, dz=5mm;

<b>Area Scan</b>	sam_direct_droit2_surf8mm.txt
<b>ZoomScan</b>	5x5x7,dx=8mm dy=8mm dz=5mm,Very fast
<b>Phantom</b>	Right head
<b>Device Position</b>	Cheek
<b>Band</b>	GSM 850
<b>Channels</b>	Middle
<b>Signal</b>	TDMA (Crest factor: 8.0)



**Maximum location: X=-16.00, Y=0.00**

<b>SAR 10g (W/Kg)</b>	0.628632
<b>SAR 1g (W/Kg)</b>	0.892776



Test Laboratory: AGC Lab  
GSM 850 High- Touch-Right <SIM 1>  
**DUT: GSM Mobile Phone;** **Type: GO180**

**Date: Apr.09, 2013**

Communication System: Generic GSM; Communication System Band: GSM 850; Duty Cycle: 1:8.3; Conv.F=6.05; Frequency: 848.8 MHz; Medium parameters used:  $f = 850$  MHz;  $\sigma = 0.85$  mho/m;  $\epsilon_r = 42.36$ ;  $\rho = 1000$  kg/m<sup>3</sup> ; Phantom section: Right Section  
Ambient temperature (°C): 21.0, Liquid temperature (°C): 21.0

Satimo Configuration:

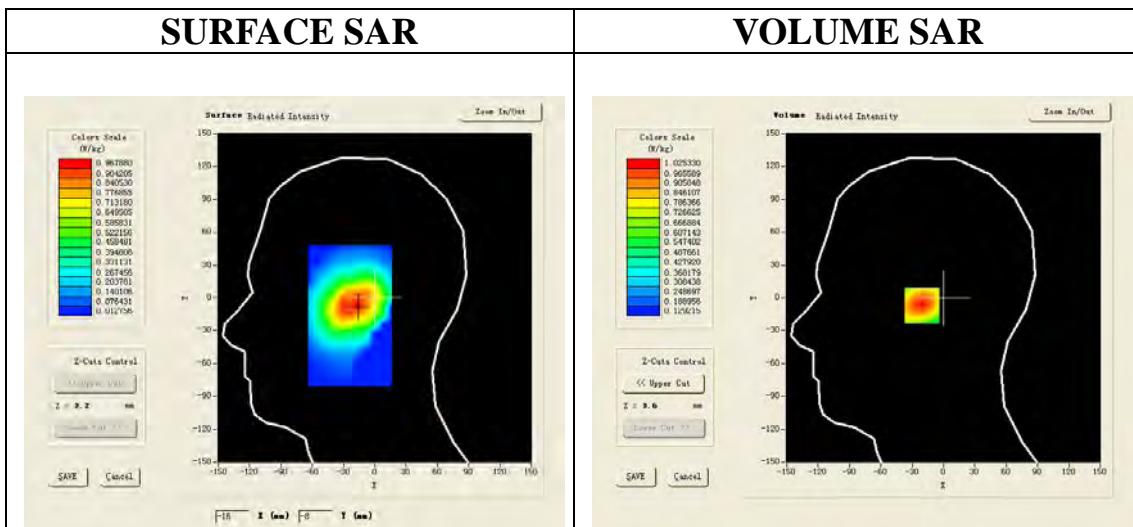
Probe: EP159; Calibrated: 12/11/2012

- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Phantom: SAM1; Type: SAM
- Measurement SW: OpenSAR V4\_02\_01

**Configuration/GSM 850 High-Touch-Right/Area Scan:** Measurement grid: dx=20mm, dy=20mm

**Configuration/GSM 850 High-Touch-Right/Zoom Scan:** Measurement grid: dx=8mm, dy=8mm, dz=5mm;

<b>Area Scan</b>	sam_direct_droit2_surf8mm.txt
<b>ZoomScan</b>	5x5x7,dx=8mm dy=8mm dz=5mm,Very fast
<b>Phantom</b>	Right head
<b>Device Position</b>	Cheek
<b>Band</b>	GSM 850
<b>Channels</b>	High
<b>Signal</b>	TDMA (Crest factor: 8.0)

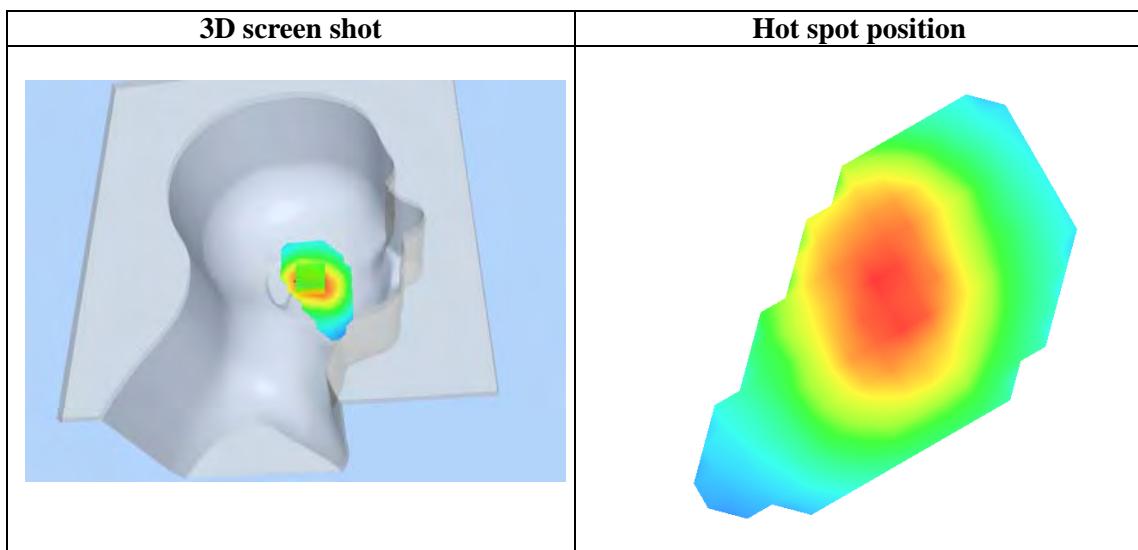
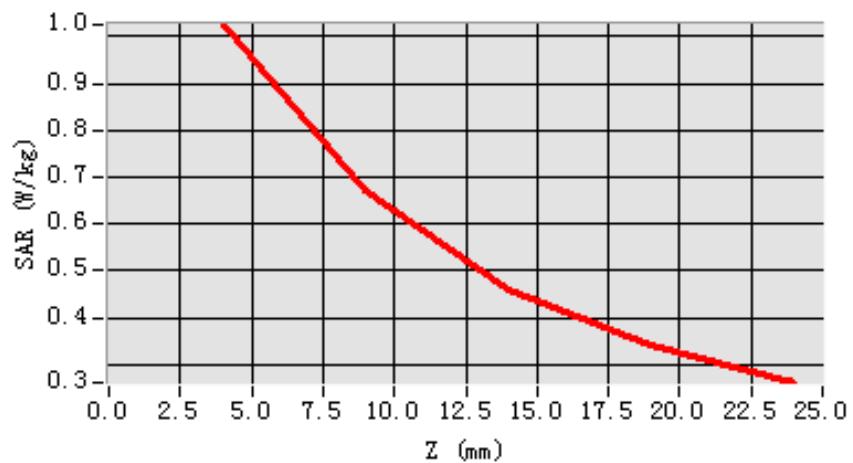


**Maximum location: X=-17.00, Y=-7.00**

<b>SAR 10g (W/Kg)</b>	0.632039
<b>SAR 1g (W/Kg)</b>	0.978043

Z (mm)	0.00	4.00	9.00	14.00	19.00
SAR (W/Kg)	0.0000	1.0253	0.6719	0.4617	0.3415

**SAR, Z Axis Scan (X = -17, Y = -7)**



Test Laboratory: AGC Lab  
GSM 850 Mid-Tilt-Right <SIM 1>  
**DUT: GSM Mobile Phone;** **Type: GO180**

**Date: Apr.09, 2013**

Communication System: Generic GSM; Communication System Band: GSM 850; Duty Cycle: 1:8.3; Conv.F=6.05; Frequency: 836.6 MHz; Medium parameters used:  $f = 850$  MHz;  $\sigma = 0.85$  mho/m;  $\epsilon_r = 42.36$ ;  $\rho = 1000$  kg/m<sup>3</sup>; Phantom section: Right Section  
Ambient temperature (°C): 21.0, Liquid temperature (°C): 21.0

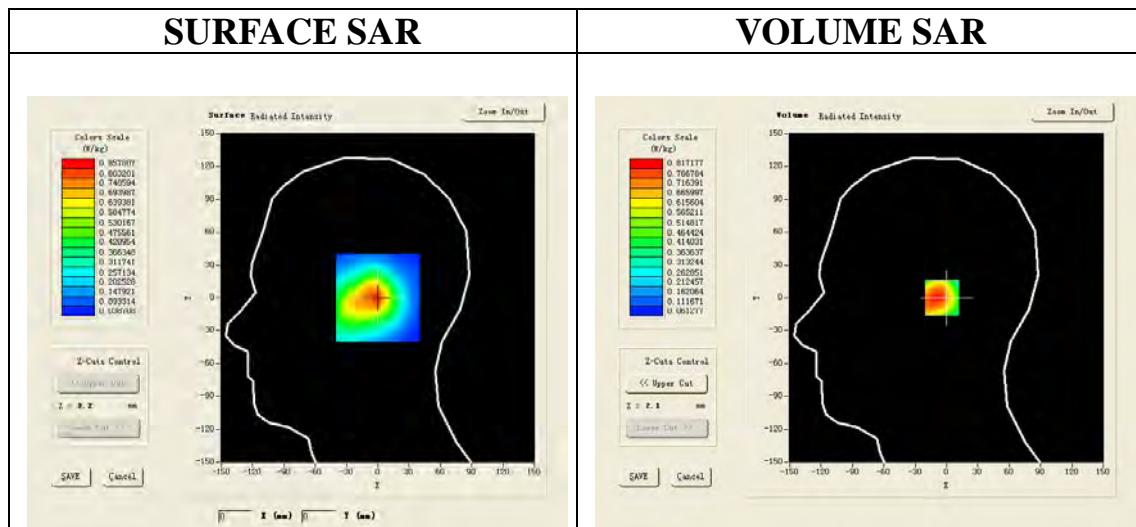
Satimo Configuration:

- Probe: EP159; Calibrated: 12/11/2012
- Sensor-Surface: 4mm (Mechanical Surface Detection)
  - Phantom: SAM1; Type: SAM
  - Measurement SW: OpenSAR V4\_02\_01

**Configuration/GSM 850 Mid-Tilt-Right/Area Scan:** Measurement grid: dx=20mm, dy=20mm

**Configuration/GSM 850 Mid-Tilt-Right/Zoom Scan:** Measurement grid: dx=8mm, dy=8mm, dz=5mm;

<b>Area Scan</b>	sam_direct_droit2_surf8mm.txt
<b>Zoom Scan</b>	5x5x7,dx=8mm dy=8mm dz=5mm,Very fast
<b>Phantom</b>	Right head
<b>Device Position</b>	Tilt
<b>Band</b>	GSM 850
<b>Channels</b>	Middle
<b>Signal</b>	TDMA (Crest factor: 8.0)

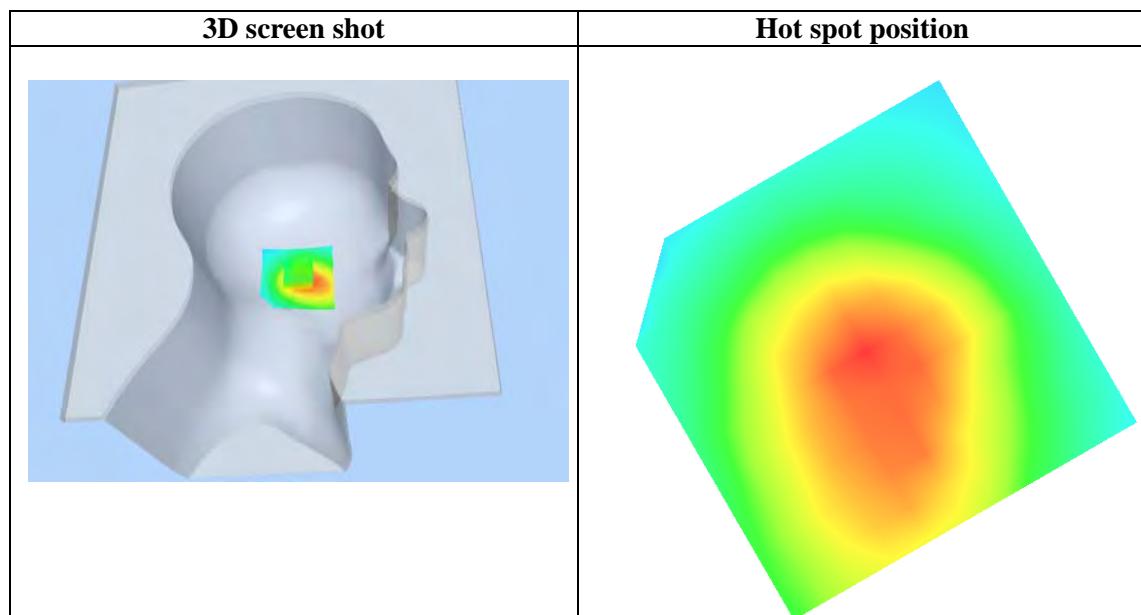
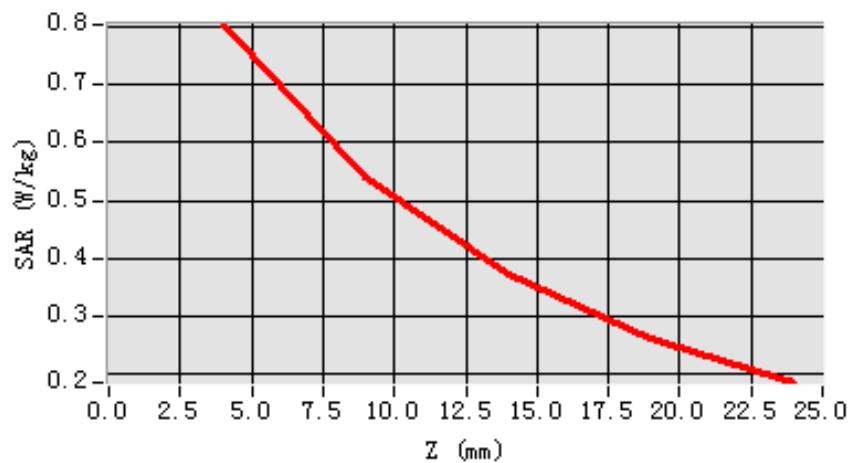


**Maximum location: X=0.00, Y=0.00**

<b>SAR 10g (W/Kg)</b>	0.501250
<b>SAR 1g (W/Kg)</b>	0.782083

Z (mm)	0.00	4.00	9.00	14.00	19.00
SAR (W/Kg)	0.0000	0.8038	0.5417	0.3717	0.2630

**SAR, Z Axis Scan (X = 0, Y = 0)**



Test Laboratory: AGC Lab  
GSM 850 Low- Body- Back <SIM 1>  
**DUT: GSM Mobile Phone;** **Type: GO180**

**Date: Apr.09, 2013**

Communication System: Generic GSM; Communication System Band: GSM 850; Duty Cycle: 1:8.3; Conv.F=6.05; Frequency: 824.2 MHz; Medium parameters used:  $f = 850$  MHz;  $\sigma = 0.95$  mho/m;  $\epsilon_r = 53.18$ ;  $\rho = 1000$  kg/m<sup>3</sup> ; Phantom section: Flat Section  
Ambient temperature (°C): 21.0, Liquid temperature (°C): 21.0

Satimo Configuration:

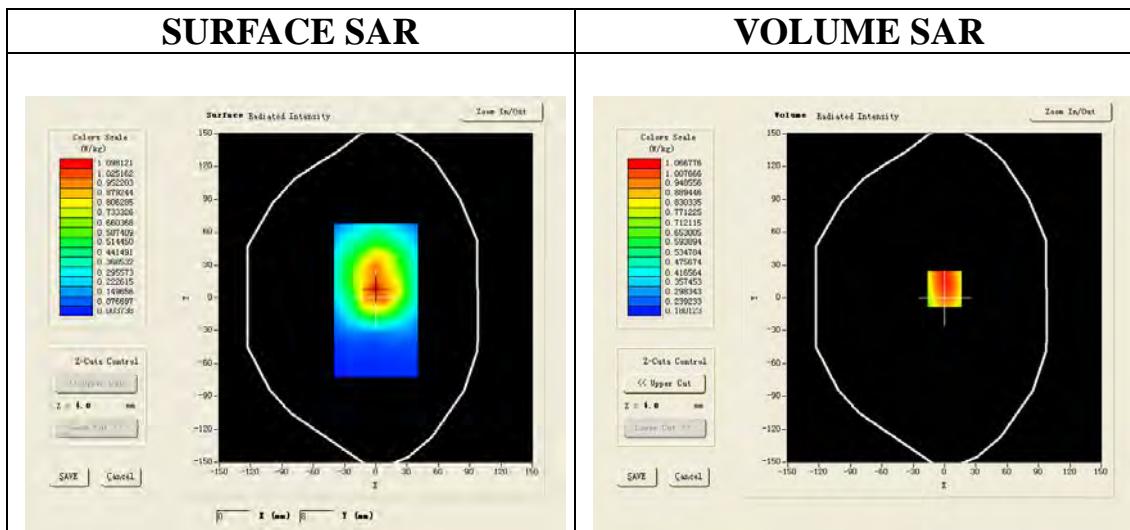
Probe: EP159; Calibrated: 12/11/2012

- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Phantom: SAM1; Type: SAM
- Measurement SW: OpenSAR V4\_02\_01

**Configuration/GSM 850 Low-Body-Back/Area Scan (6x8x1):** Measurement grid: dx=20mm, dy=20mm

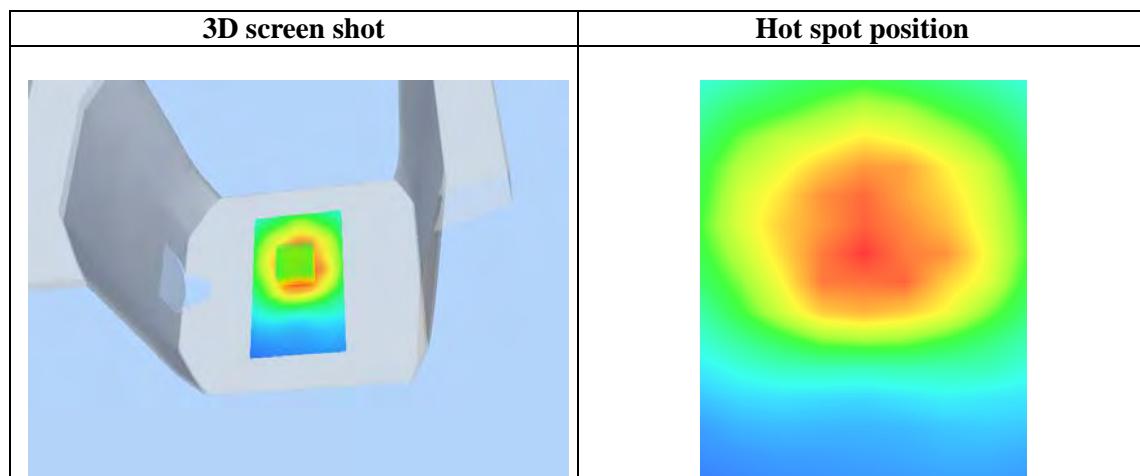
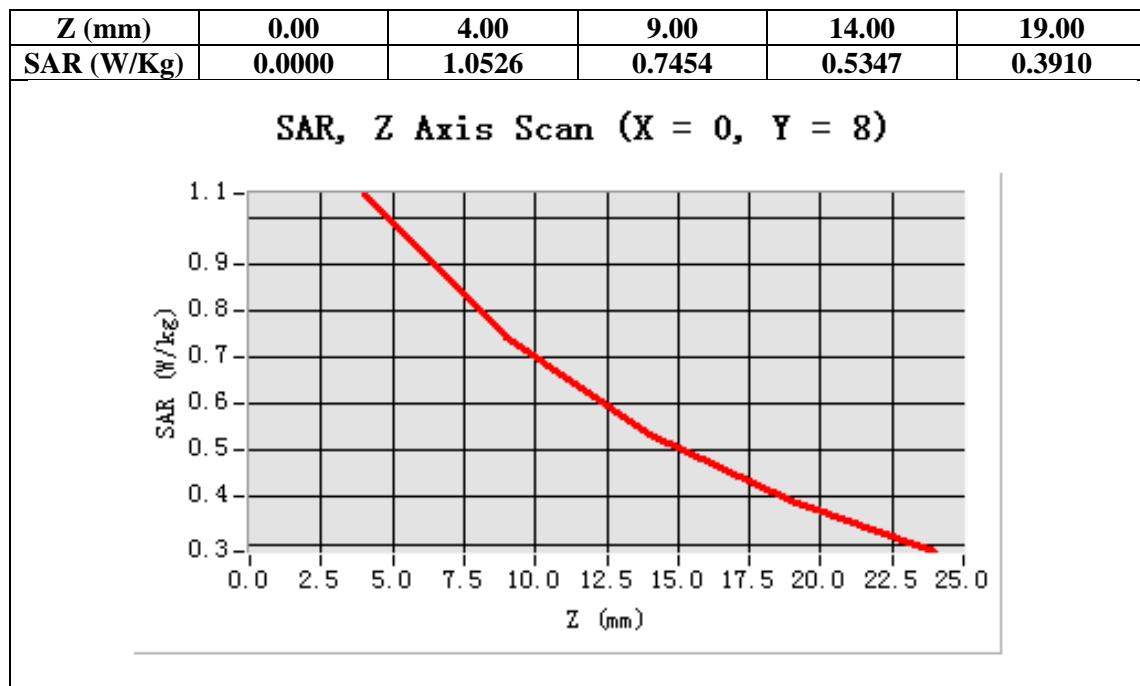
**Configuration/GSM 850 Low-Body-Back/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm;

<b>Area Scan</b>	surf_sam_plan.txt
<b>ZoomScan</b>	5x5x7,dx=8mm dy=8mm dz=5mm,Very fast
<b>Phantom</b>	Validation plane
<b>Device Position</b>	Body Back
<b>Band</b>	GSM 850
<b>Channels</b>	Low
<b>Signal</b>	TDMA (Crest factor: 8.0)



**Maximum location: X=0.00, Y=8.00**

<b>SAR 10g (W/Kg)</b>	0.758533
<b>SAR 1g (W/Kg)</b>	1.101548



Test Laboratory: AGC Lab  
GSM 850 Mid- Body- Back <SIM 1>  
**DUT: GSM Mobile Phone;** **Type: GO180**

**Date: Apr.09, 2013**

Communication System: Generic GSM; Communication System Band: GSM 850; Duty Cycle: 1:8.3; Conv.F=6.05; Frequency: 836.6 MHz; Medium parameters used:  $f = 850$  MHz;  $\sigma = 0.95$  mho/m;  $\epsilon_r = 53.18$ ;  $\rho = 1000$  kg/m<sup>3</sup> ; Phantom section: Flat Section  
Ambient temperature (°C): 21.0, Liquid temperature (°C): 21.0

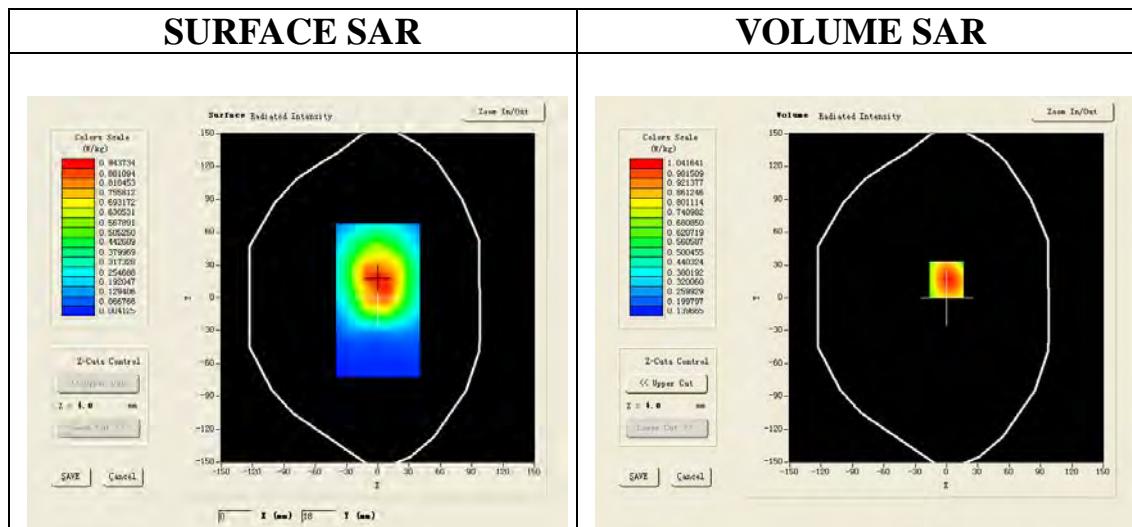
Satimo Configuration:

- Probe: EP159; Calibrated: 12/11/2012
- Sensor-Surface: 4mm (Mechanical Surface Detection)
  - Phantom: SAM1; Type: SAM
  - Measurement SW: OpenSAR V4\_02\_01

**Configuration/GSM 850 Mid-Body-Back/Area Scan (6x8x1):** Measurement grid: dx=20mm, dy=20mm

**Configuration/GSM 850 Mid-Body-Back/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm;

<b>Area Scan</b>	surf_sam_plan.txt
<b>ZoomScan</b>	5x5x7,dx=8mm dy=8mm dz=5mm,Very fast
<b>Phantom</b>	Validation plane
<b>Device Position</b>	Body Back
<b>Band</b>	GSM 850
<b>Channels</b>	Middle
<b>Signal</b>	TDMA (Crest factor: 8.0)

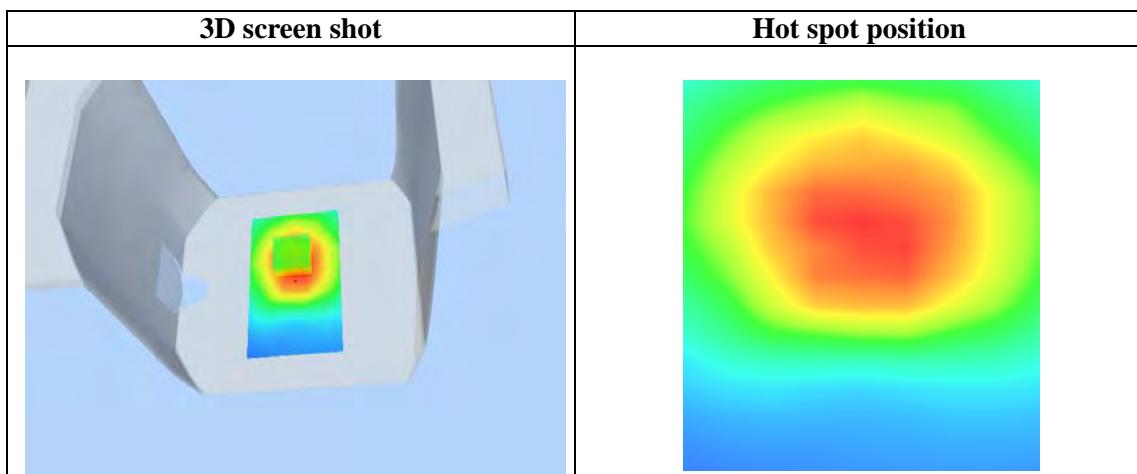
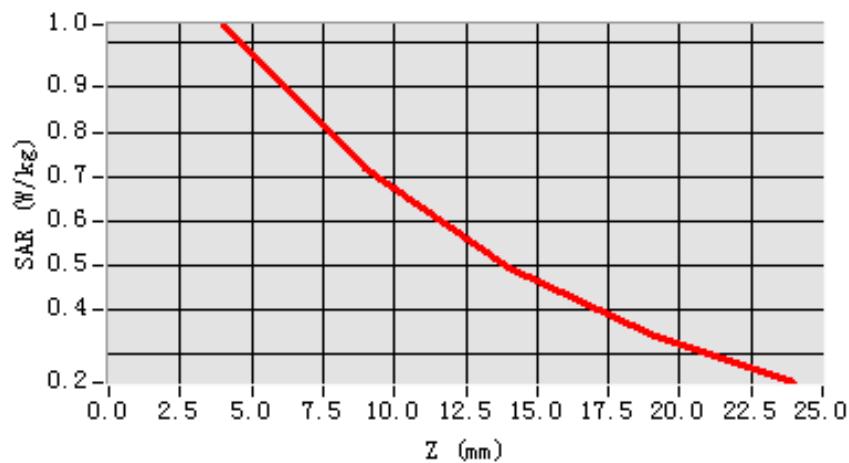


**Maximum location: X=0.00, Y=17.00**

<b>SAR 10g (W/Kg)</b>	0.700739
<b>SAR 1g (W/Kg)</b>	1.072029

Z (mm)	0.00	4.00	9.00	14.00	19.00
SAR (W/Kg)	0.0000	1.0416	0.7156	0.4941	0.3448

**SAR, Z Axis Scan (X = 0, Y = 17)**



Test Laboratory: AGC Lab  
GSM 850 High- Body- Back <SIM 1>  
**DUT: GSM Mobile Phone;** **Type: GO180**

**Date: Apr.09, 2013**

Communication System: Generic GSM; Communication System Band: GSM 850; Duty Cycle: 1:8.3; Conv.F=6.05; Frequency: 848.8 MHz; Medium parameters used:  $f = 850$  MHz;  $\sigma = 0.95$  mho/m;  $\epsilon_r = 53.18$ ;  $\rho = 1000$  kg/m<sup>3</sup> ; Phantom section: Flat Section  
Ambient temperature (°C): 21.0, Liquid temperature (°C): 21.0

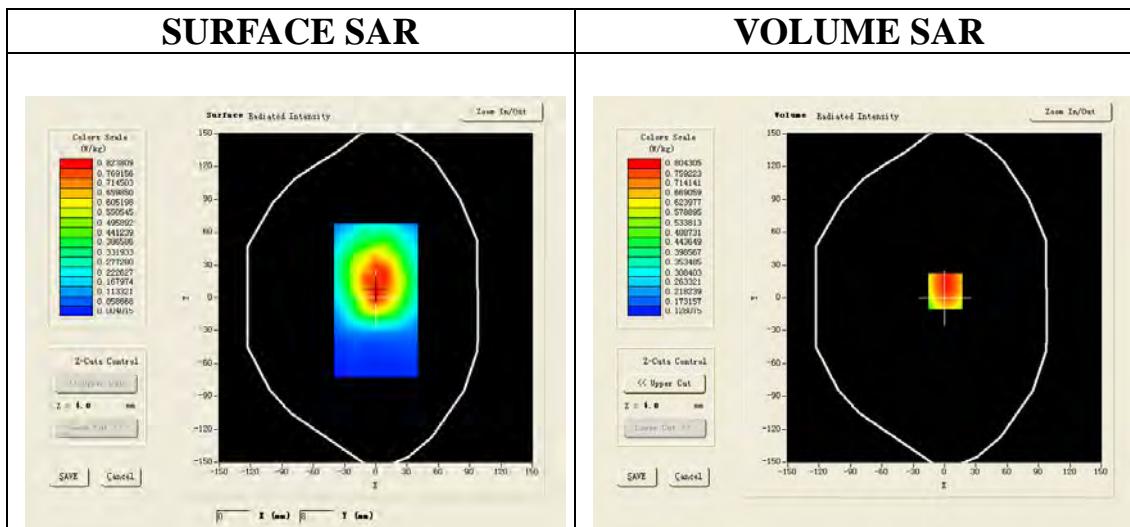
Satimo Configuration:

- Probe: EP159; Calibrated: 12/11/2012
- Sensor-Surface: 4mm (Mechanical Surface Detection)
  - Phantom: SAM1; Type: SAM
  - Measurement SW: OpenSAR V4\_02\_01

**Configuration/GSM 850 High-Body-Back/Area Scan (6x8x1):** Measurement grid: dx=20mm, dy=20mm

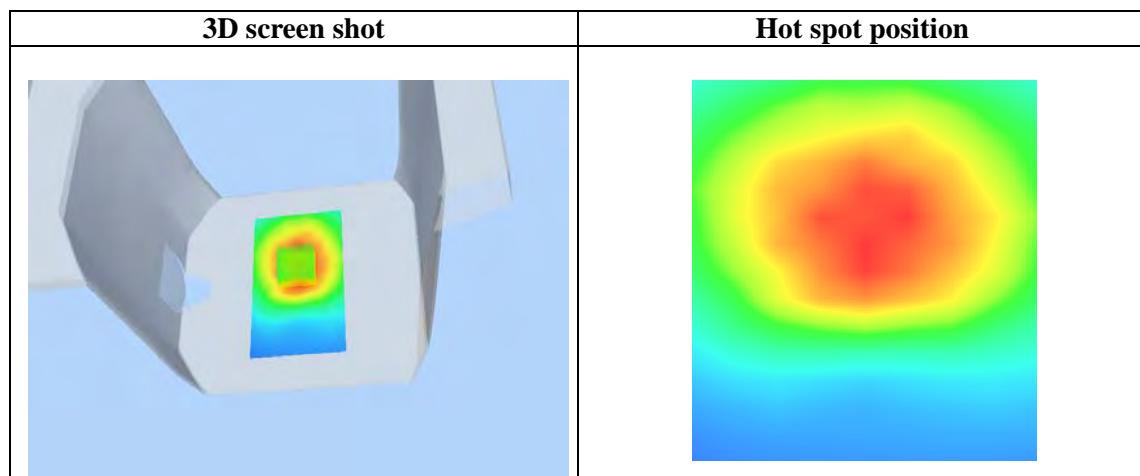
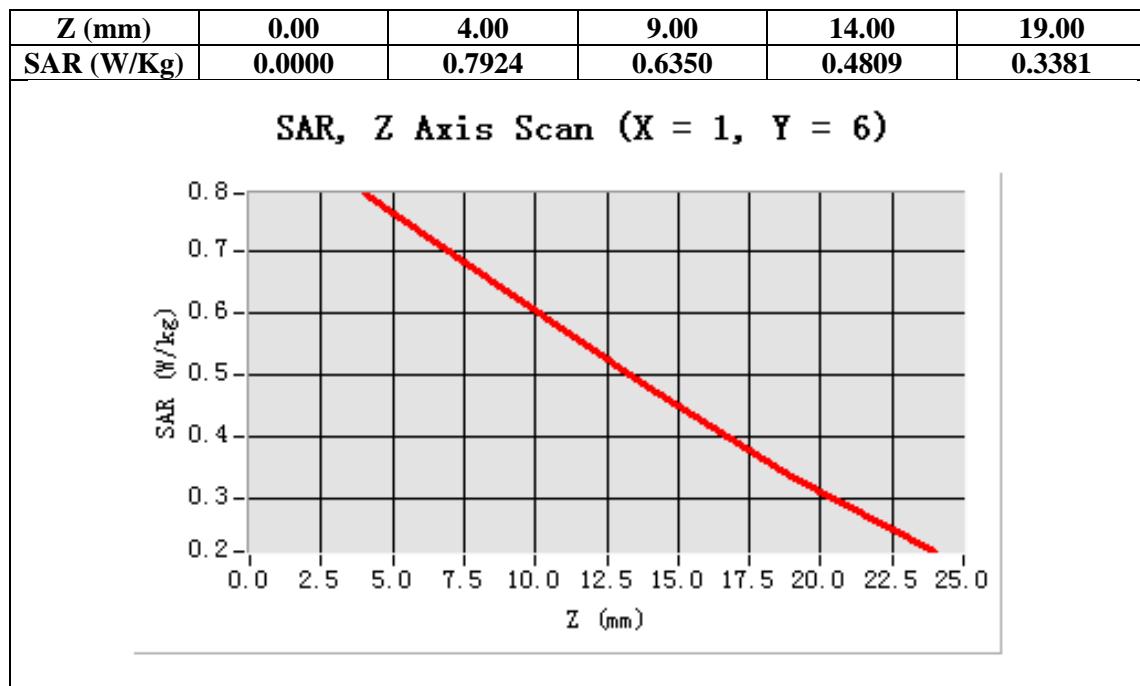
**Configuration/GSM 850 High-Body-Back/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm;

<b>Area Scan</b>	surf_sam_plan.txt
<b>ZoomScan</b>	5x5x7,dx=8mm dy=8mm dz=5mm,Very fast
<b>Phantom</b>	Validation plane
<b>Device Position</b>	Body Back
<b>Band</b>	GSM 850
<b>Channels</b>	High
<b>Signal</b>	TDMA (Crest factor: 8.0)



**Maximum location: X=1.00, Y=6.00**

<b>SAR 10g (W/Kg)</b>	0.597871
<b>SAR 1g (W/Kg)</b>	0.843000



Test Laboratory: AGC Lab  
GPRS 850 Mid- Body - Back (2up) <SIM 1>  
**DUT: GSM Mobile Phone;** **Type: GO180**

**Date: Apr.09, 2013**

Communication System: GPRS -2 Slot; Communication System Band: GSM850; Duty Cycle: 1:4.2; Conv.F=6.05; Frequency: 836.6 MHz; Medium parameters used:  $f = 850$  MHz;  $\sigma = 0.95$  mho/m;  $\epsilon_r = 53.18$ ;  $\rho = 1000\text{kg/m}^3$  ;  
Phantom section: Flat Section  
Ambient temperature ( $^{\circ}\text{C}$ ): 21.0, Liquid temperature ( $^{\circ}\text{C}$ ): 21.0

Satimo Configuration:

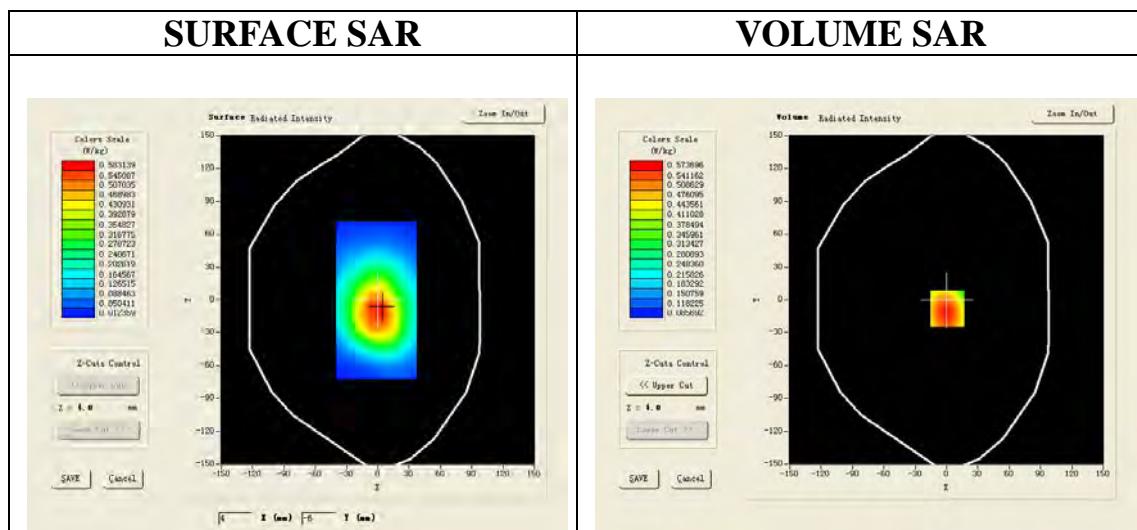
Probe: EP159; Calibrated: 12/11/2012

- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Phantom: SAM1; Type: SAM
- Measurement SW: OpenSAR V4\_02\_01

**Configuration/GPRS 850 Mid-Body-Back/Area Scan (6x8x1):** Measurement grid: dx=20mm, dy=20mm

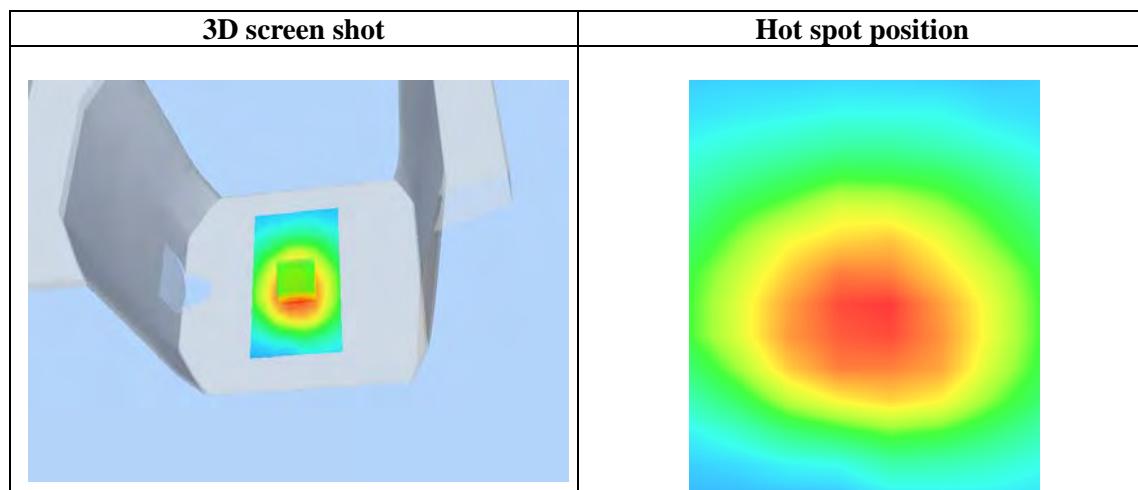
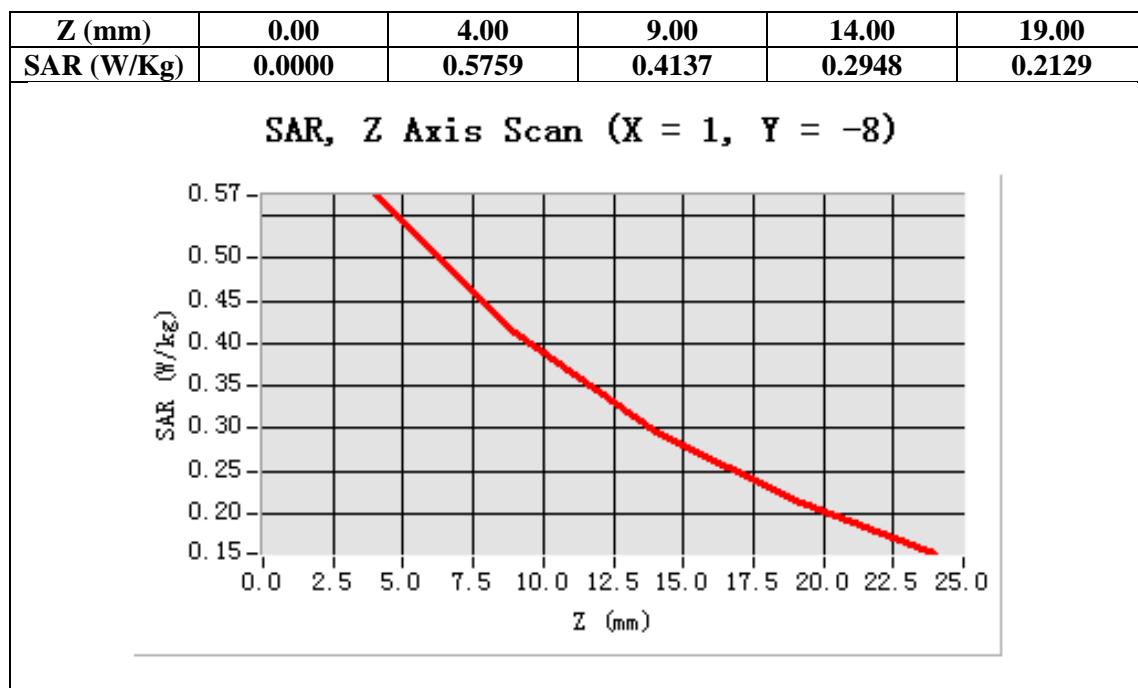
**Configuration/GPRS 850 Mid-Body-Back/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm;

<b>Area Scan</b>	surf_sam_plan.txt
<b>ZoomScan</b>	5x5x7,dx=8mm dy=8mm dz=5mm,Very fast
<b>Phantom</b>	Validation plane
<b>Device Position</b>	Body Back
<b>Band</b>	GSM 850
<b>Channels</b>	Middle
<b>Signal</b>	TDMA (Crest factor: 4.0)



**Maximum location: X=1.00, Y=-8.00**

<b>SAR 10g (W/Kg)</b>	0.405840
<b>SAR 1g (W/Kg)</b>	0.592944



Test Laboratory: AGC Lab  
GSM 850 Mid- Body- Front (MS) <SIM 1>  
**DUT: GSM Mobile Phone;** **Type: GO180**

**Date: Apr.09, 2013**

Communication System: Generic GSM; Communication System Band: GSM 850; Duty Cycle: 1:8.3; Conv.F=6.05; Frequency: 836.6 MHz; Medium parameters used:  $f = 850 \text{ MHz}$ ;  $\sigma = 0.95 \text{ mho/m}$ ;  $\epsilon_r = 53.18$ ;  $\rho = 1000 \text{ kg/m}^3$  ;  
Phantom section: Flat Section  
Ambient temperature ( $^{\circ}\text{C}$ ): 21.0, Liquid temperature ( $^{\circ}\text{C}$ ): 21.0

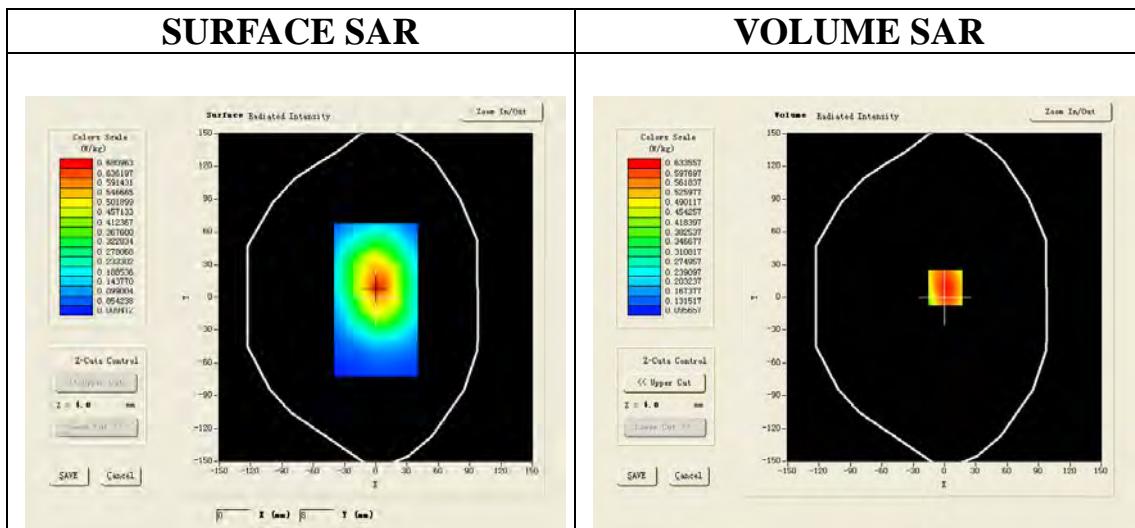
Satimo Configuration:

- Probe: EP159; Calibrated: 12/11/2012
- Sensor-Surface: 4mm (Mechanical Surface Detection)
  - Phantom: SAM1; Type: SAM
  - Measurement SW: OpenSAR V4\_02\_01

**Configuration/GSM 850 Mid-Body- Front /Area Scan (6x8x1):** Measurement grid: dx=20mm, dy=20mm

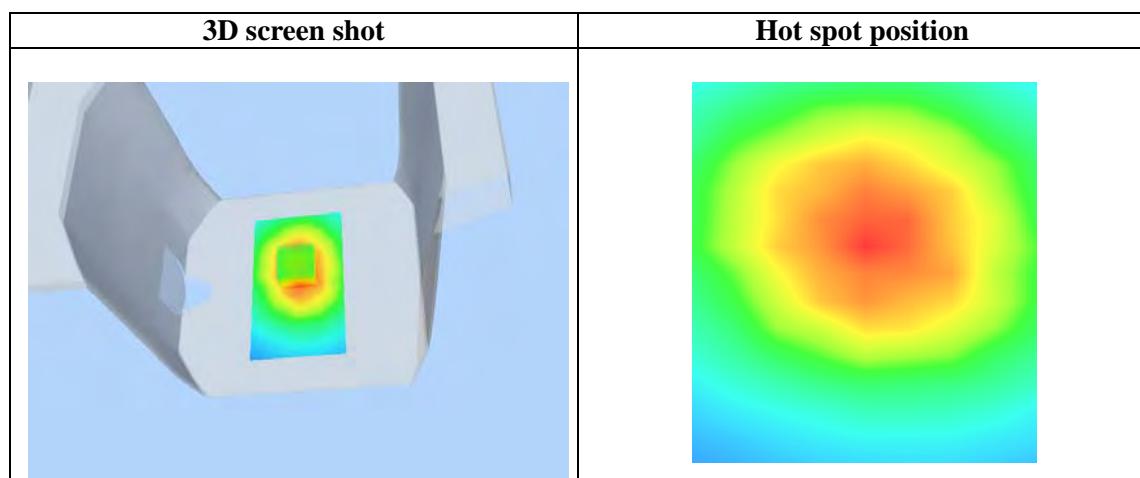
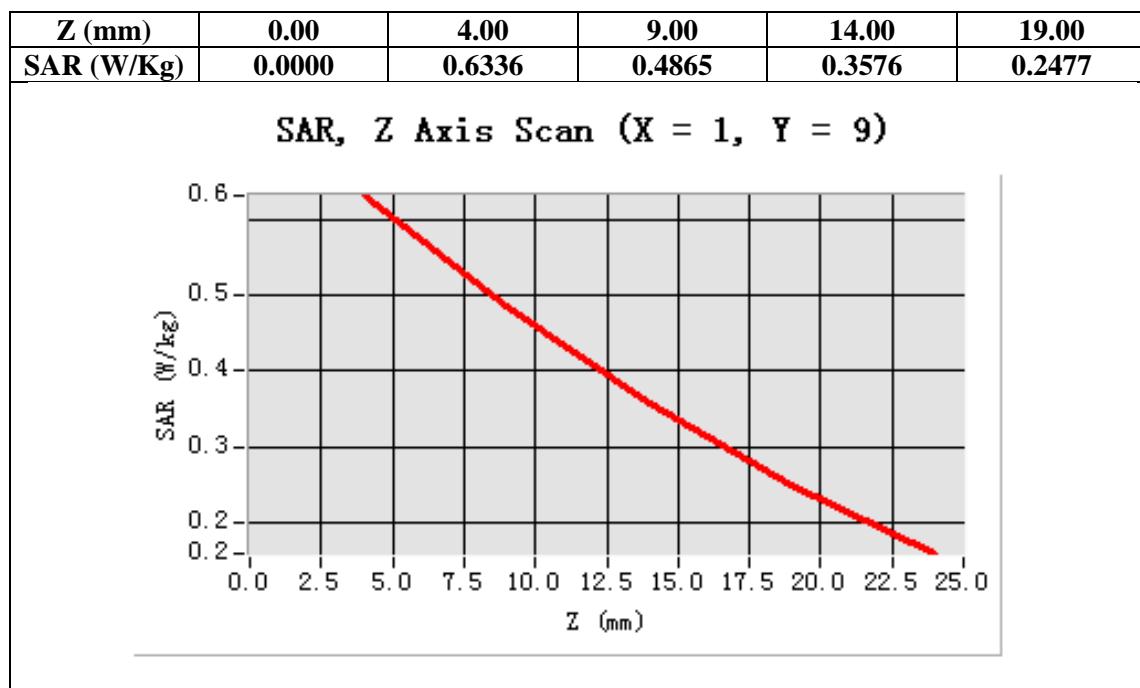
**Configuration/GSM 850 Mid-Body- Front Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm;

<b>Area Scan</b>	surf_sam_plan.txt
<b>ZoomScan</b>	5x5x7,dx=8mm dy=8mm dz=5mm,Very fast
<b>Phantom</b>	Validation plane
<b>Device Position</b>	Body Front
<b>Band</b>	GSM 850
<b>Channels</b>	Middle
<b>Signal</b>	TDMA (Crest factor: 8.0)



**Maximum location: X=1.00, Y=9.00**

<b>SAR 10g (W/Kg)</b>	0.457367
<b>SAR 1g (W/Kg)</b>	0.654746



Test Laboratory: AGC Lab  
GSM 850 Low- Body- Back (MS) –with earphone <SIM 1>  
**DUT: GSM Mobile Phone;** **Type: GO180**

**Date: Apr.09, 2013**

Communication System: Generic GSM; Communication System Band: GSM 850; Duty Cycle: 1:8.3; Conv.F=6.05; Frequency: 824.2 MHz; Medium parameters used:  $f = 850$  MHz;  $\sigma = 0.95\text{mho/m}$ ;  $\epsilon_r = 53.18$ ;  $\rho = 1000 \text{ kg/m}^3$  ;  
Phantom section: Flat Section  
Ambient temperature ( $^{\circ}\text{C}$ ): 21.0, Liquid temperature ( $^{\circ}\text{C}$ ): 21.0

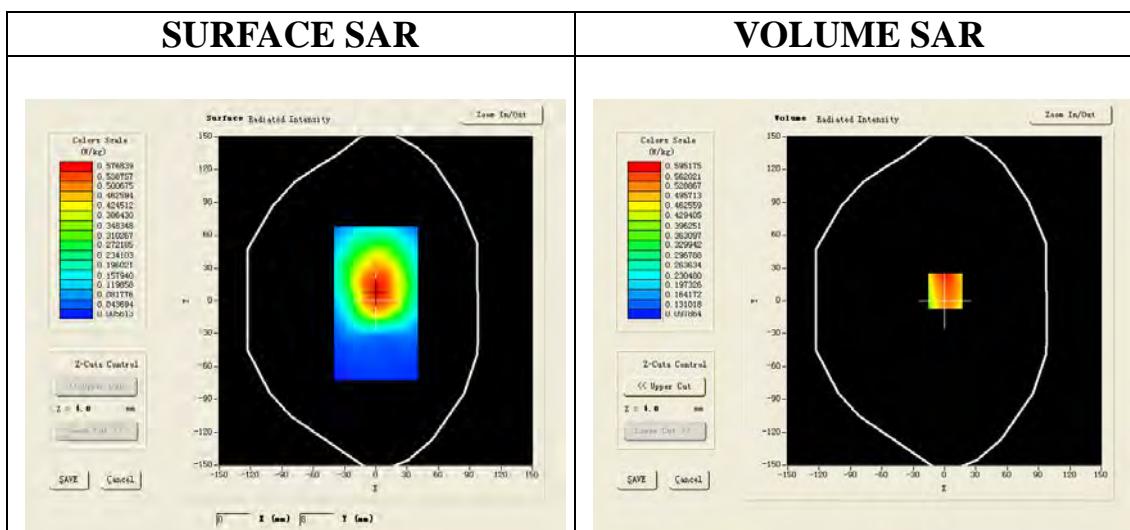
Satimo Configuration:

- Probe: EP159; Calibrated: 12/11/2012
- Sensor-Surface: 4mm (Mechanical Surface Detection)
  - Phantom: SAM1; Type: SAM
  - Measurement SW: OpenSAR V4\_02\_01

**Configuration/GSM 850 Low-Body-Back/Area Scan (6x8x1):** Measurement grid: dx=20mm, dy=20mm

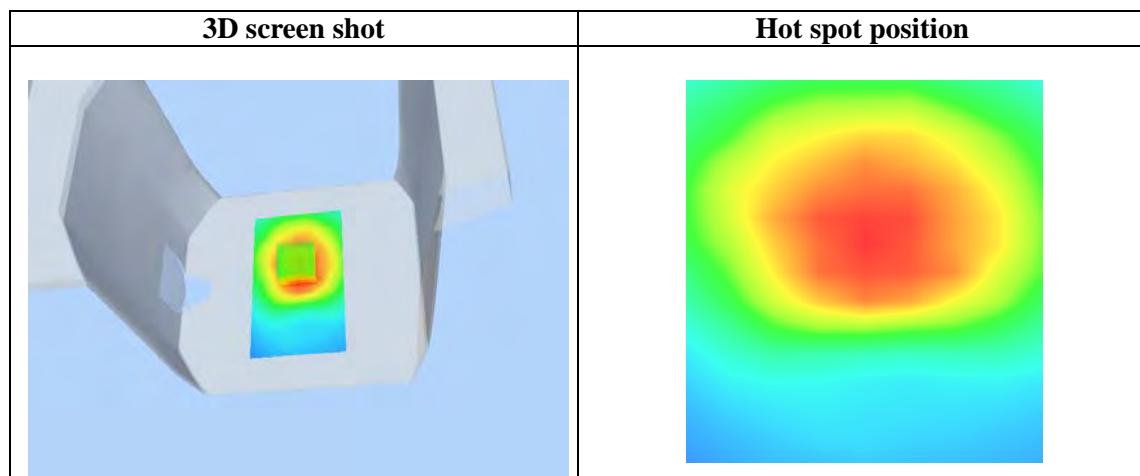
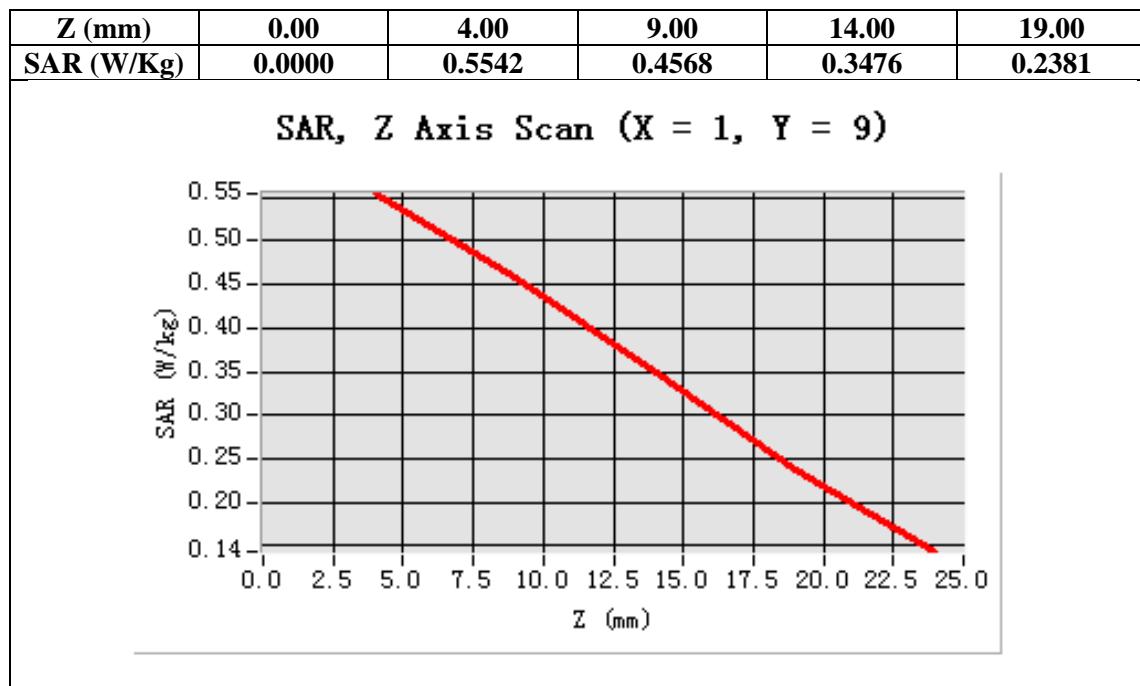
**Configuration/GSM 850 Low-Body-Back/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm;

<b>Area Scan</b>	surf_sam_plan.txt
<b>ZoomScan</b>	5x5x7,dx=8mm dy=8mm dz=5mm,Very fast
<b>Phantom</b>	Validation plane
<b>Device Position</b>	Body Back
<b>Band</b>	GSM 850
<b>Channels</b>	Low
<b>Signal</b>	TDMA (Crest factor: 8.0)



**Maximum location: X=1.00, Y=9.00**

<b>SAR 10g (W/Kg)</b>	0.429211
<b>SAR 1g (W/Kg)</b>	0.610357



Test Laboratory: AGC Lab  
PCS 1900 Low-Touch- Left <SIM 1>  
**DUT: GSM Mobile Phone;** **Type: GO180**

**Date: Apr.09, 2013**

Communication System: Generic GSM; Communication System Band: PCS 1900; Duty Cycle: 1:8.3; Conv.F=5.73; Frequency: 1850.2 MHz; Medium parameters used:  $f = 1900$  MHz;  $\sigma = 1.43$  mho/m;  $\epsilon_r = 40.57$ ;  $\rho = 1000$  kg/m<sup>3</sup>; Phantom section: Left Section  
Ambient temperature (°C): 21.0, Liquid temperature (°C): 21.0

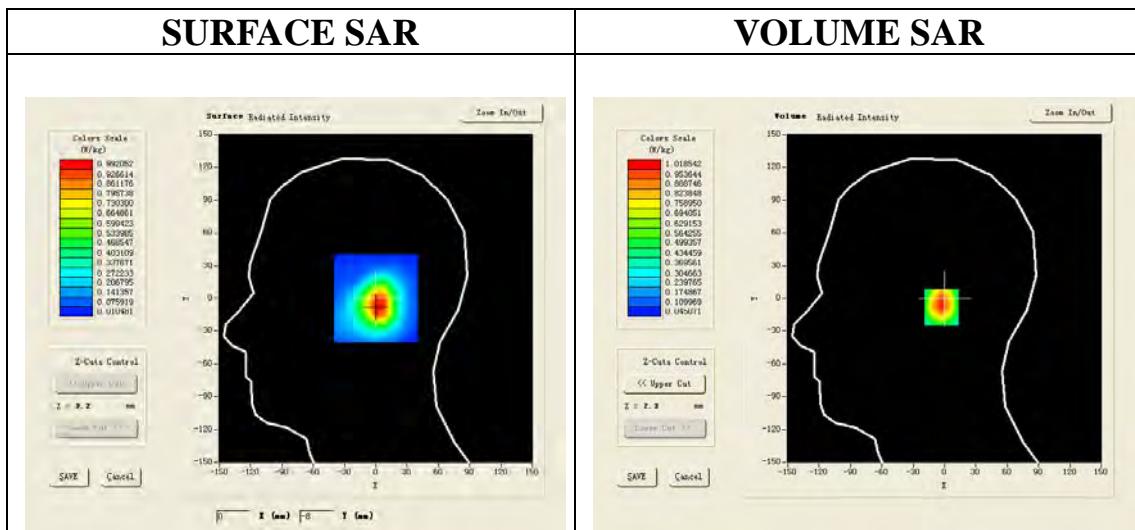
Satimo Configuration:

- . Probe: EP159; Calibrated: 12/11/2012
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Phantom: SAM1; Type: SAM
- Measurement SW: OpenSAR V4\_02\_01

**Configuration/PCS1900 Low-Touch-Left/Area Scan: Measurement grid:** dx=20mm, dy=20mm

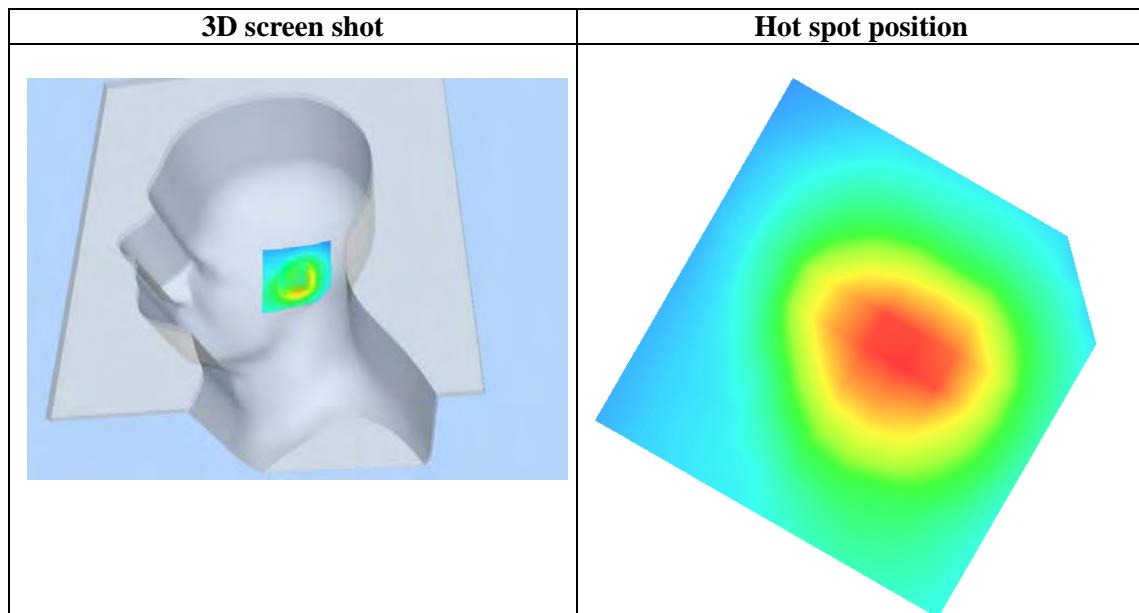
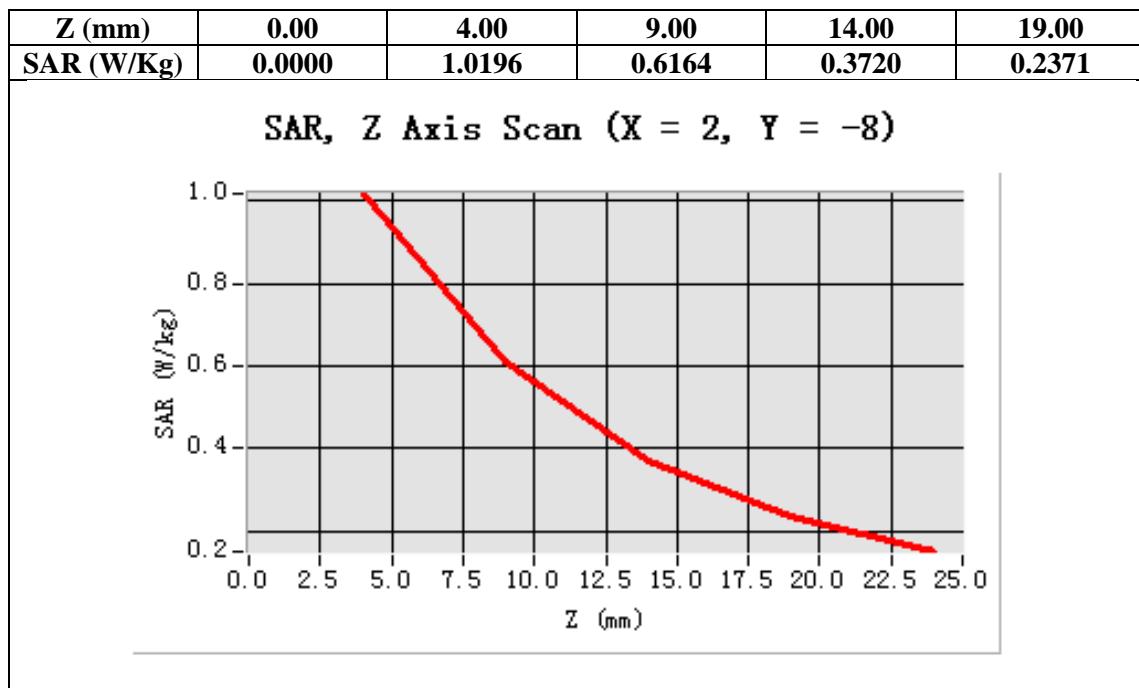
**Configuration/PCS1900 Low-Touch-Left/Zoom Scan: Measurement grid:** dx=8mm, dy=8mm, dz=5mm;

<b>Area Scan</b>	sam_direct_droit2_surf8mm.txt
<b>ZoomScan</b>	5x5x7,dx=8mm dy=8mm dz=5mm,Very fast
<b>Phantom</b>	Left head
<b>Device Position</b>	Cheek
<b>Band</b>	PCS 1900
<b>Channels</b>	Low
<b>Signal</b>	TDMA (Crest factor: 8.0)



**Maximum location: X=2.00, Y=-8.00**

<b>SAR 10g (W/Kg)</b>	0.540952
<b>SAR 1g (W/Kg)</b>	0.962854



Test Laboratory: AGC Lab  
PCS 1900 Mid-Touch- Left <SIM 1>  
**DUT: GSM Mobile Phone;** **Type: GO180**

**Date: Apr.09, 2013**

Communication System: Generic GSM; Communication System Band: PCS 1900; Duty Cycle: 1:8.3; Conv.F=5.73; Frequency: 1880 MHz; Medium parameters used:  $f = 1900$  MHz;  $\sigma = 1.43$  mho/m;  $\epsilon_r = 40.57$ ;  $\rho = 1000$  kg/m<sup>3</sup> ; Phantom section: Left Section  
Ambient temperature (°C): 21.0, Liquid temperature (°C): 21.0

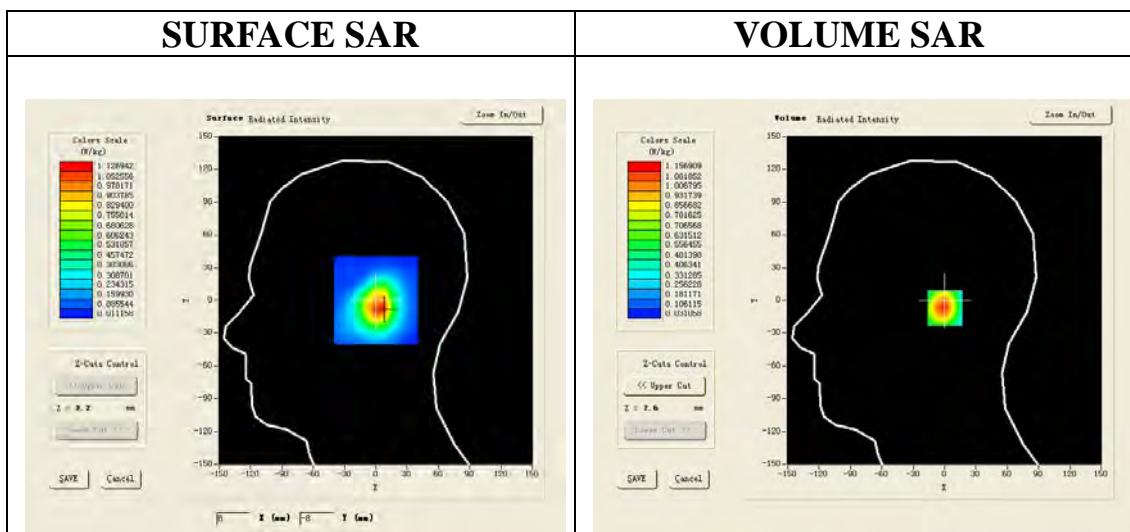
Satimo Configuration:

- . Probe: EP159; Calibrated: 12/11/2012
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Phantom: SAM1; Type: SAM
- Measurement SW: OpenSAR V4\_02\_01

**Configuration/PCS1900 Mid-Touch-Left/Area Scan: Measurement grid:** dx=20mm, dy=20mm

**Configuration/PCS1900 Mid-Touch-Left/Zoom Scan: Measurement grid:** dx=8mm, dy=8mm, dz=5mm;

<b>Area Scan</b>	sam_direct_droit2_surf8mm.txt
<b>ZoomScan</b>	5x5x7,dx=8mm dy=8mm dz=5mm,Very fast
<b>Phantom</b>	Left head
<b>Device Position</b>	Cheek
<b>Band</b>	PCS 1900
<b>Channels</b>	Middle
<b>Signal</b>	TDMA (Crest factor: 8.0)

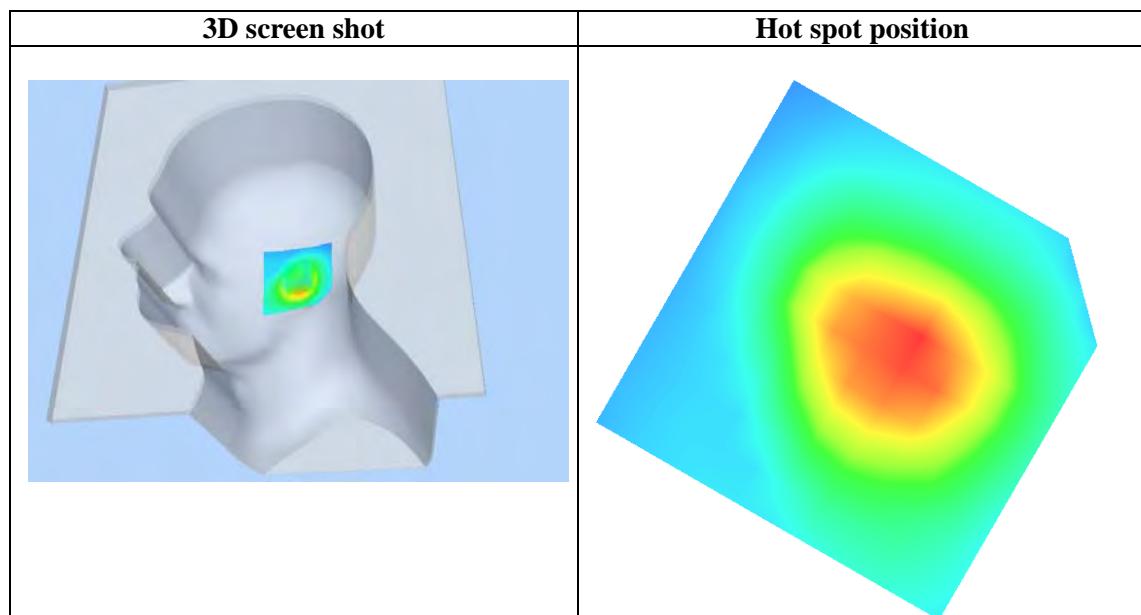
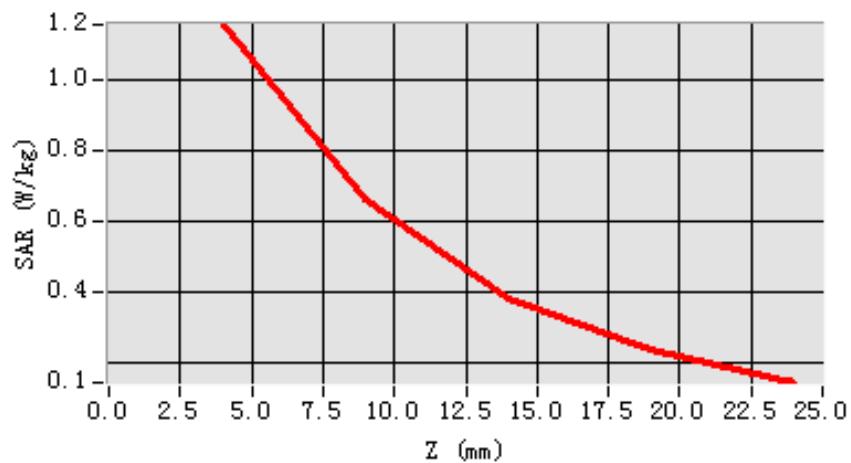


**Maximum location: X=6.00, Y=-7.00**

<b>SAR 10g (W/Kg)</b>	0.586857
<b>SAR 1g (W/Kg)</b>	1.088320

Z (mm)	0.00	4.00	9.00	14.00	19.00
SAR (W/Kg)	0.0000	1.1569	0.6628	0.3860	0.2376

**SAR, Z Axis Scan (X = 6, Y = -7)**



Test Laboratory: AGC Lab  
PCS 1900 High-Touch- Left <SIM 1>  
**DUT: GSM Mobile Phone;** **Type: GO180**

**Date: Apr.09, 2013**

Communication System: Generic GSM; Communication System Band: PCS 1900; Duty Cycle: 1:8.3; Conv.F=5.73; Frequency: 1909.8 MHz; Medium parameters used:  $f = 1900 \text{ MHz}$ ;  $\sigma = 1.43 \text{ mho/m}$ ;  $\epsilon_r = 40.57$ ;  $\rho = 1000 \text{ kg/m}^3$ ; Phantom section: Left Section  
Ambient temperature ( $^{\circ}\text{C}$ ): 21.0, Liquid temperature ( $^{\circ}\text{C}$ ): 21.0

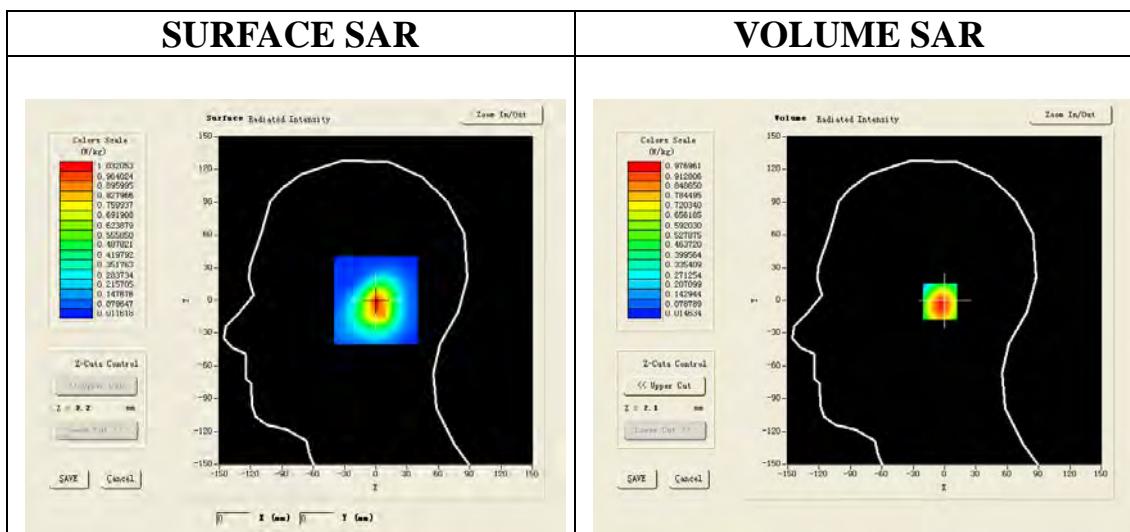
Satimo Configuration:

- . Probe: EP159; Calibrated: 12/11/2012
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Phantom: SAM1; Type: SAM
- Measurement SW: OpenSAR V4\_02\_01

**Configuration/PCS1900 High-Touch-Left/Area Scan: Measurement grid:** dx=20mm, dy=20mm

**Configuration/PCS1900 High-Touch-Left/Zoom Scan: Measurement grid:** dx=8mm, dy=8mm, dz=5mm;

<b>Area Scan</b>	sam_direct_droit2_surf8mm.txt
<b>ZoomScan</b>	5x5x7,dx=8mm dy=8mm dz=5mm,Very fast
<b>Phantom</b>	Left head
<b>Device Position</b>	Cheek
<b>Band</b>	PCS 1900
<b>Channels</b>	High
<b>Signal</b>	TDMA (Crest factor: 8.0)

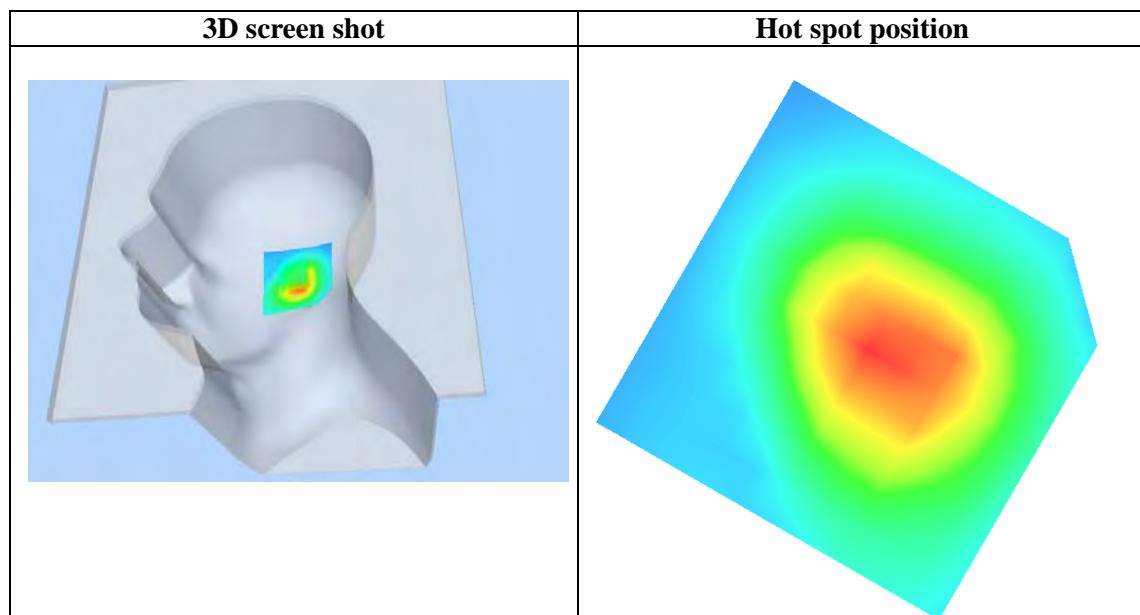
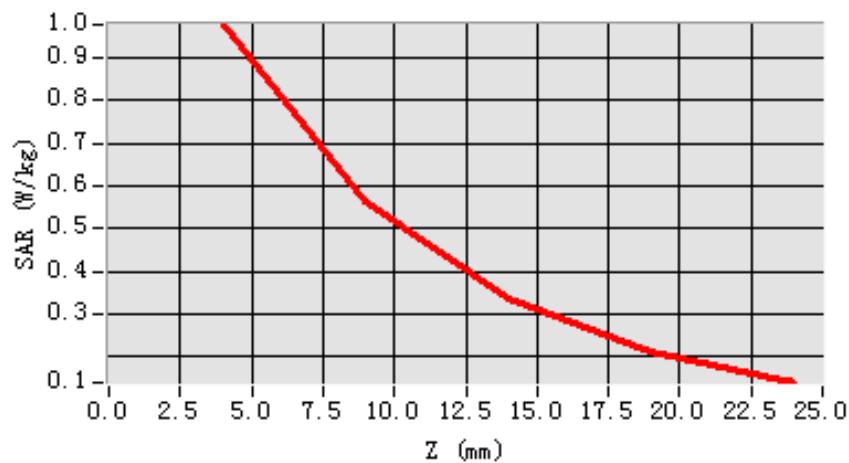


**Maximum location: X=0.00, Y=-1.00**

<b>SAR 10g (W/Kg)</b>	0.522975
<b>SAR 1g (W/Kg)</b>	0.938394

Z (mm)	0.00	4.00	9.00	14.00	19.00
SAR (W/Kg)	0.0000	0.9770	0.5644	0.3354	0.2143

**SAR, Z Axis Scan (X = 0, Y = -1)**



Test Laboratory: AGC Lab  
PCS 1900 Mid-Tilt-Left <SIM 1>  
**DUT: GSM Mobile Phone;** **Type: GO180**

**Date: Apr.09, 2013**

Communication System: Generic GSM; Communication System Band: PCS 1900; Duty Cycle: 1:8.3; Conv.F=5.73; Frequency: 1880 MHz; Medium parameters used:  $f = 1900$  MHz;  $\sigma = 1.43$  mho/m;  $\epsilon_r = 40.57$ ;  $\rho = 1000$  kg/m<sup>3</sup> ; Phantom section: Left Section  
Ambient temperature (°C): 21.0, Liquid temperature (°C): 21.0

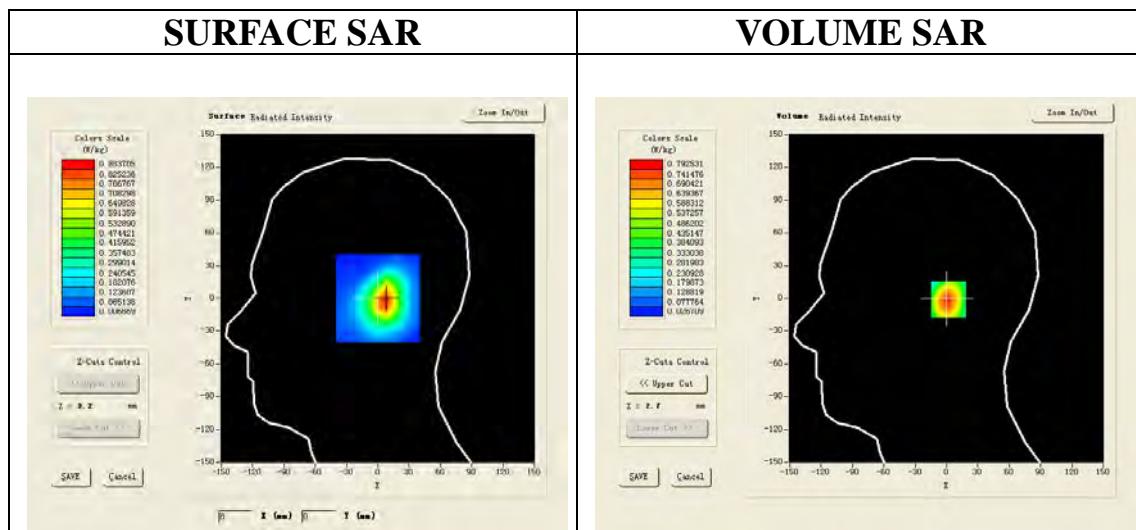
Satimo Configuration:

- Probe:EP159; Calibrated: 12/11/2012
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Phantom: SAM1; Type: SAM
- Measurement SW: OpenSAR V4\_02\_01

**Configuration/PCS1900 Mid-Tilt-Left/Area Scan: Measurement grid:** dx=20mm, dy=20mm

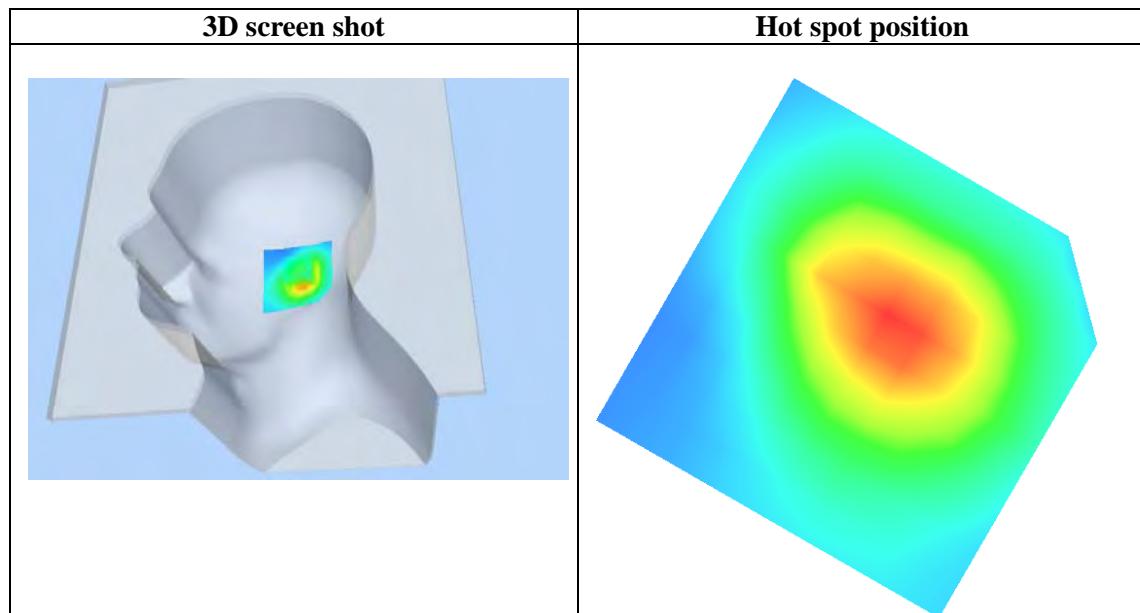
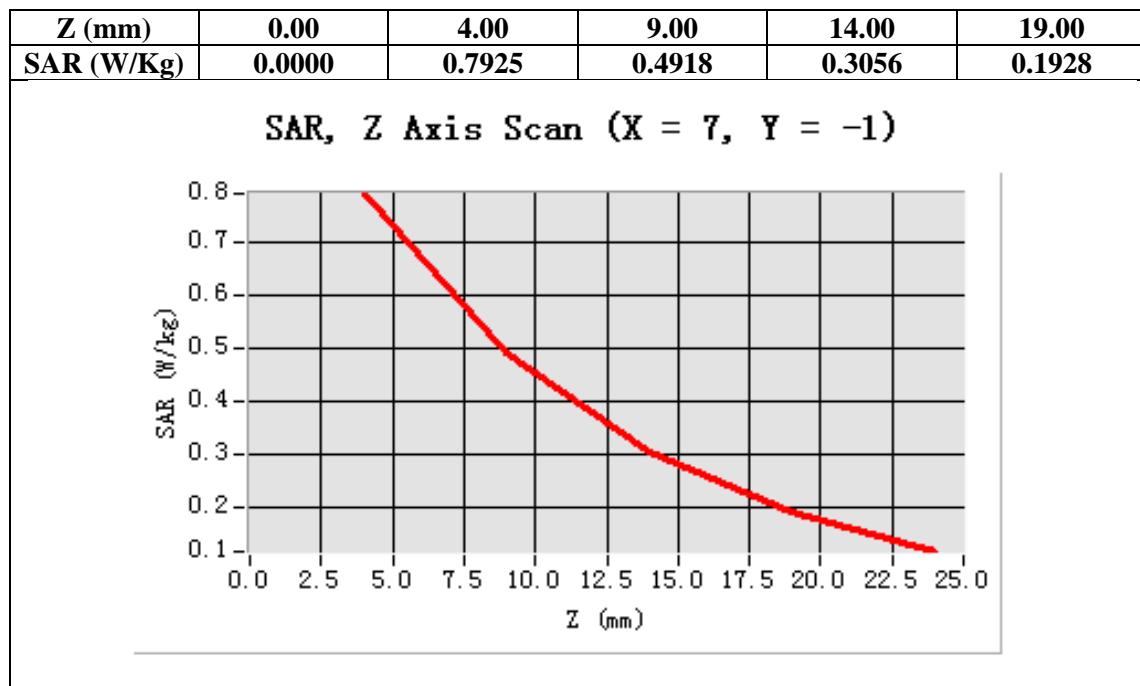
**Configuration/PCS1900 Mid-Tilt-Left/Zoom Scan: Measurement grid:** dx=8mm, dy=8mm,dz=5mm;

<b>Area Scan</b>	sam_direct_droit2_surf8mm.txt
<b>ZoomScan</b>	5x5x7,dx=8mm dy=8mm dz=5mm,Very fast
<b>Phantom</b>	Left head
<b>Device Position</b>	Tilt
<b>Band</b>	PCS 1900
<b>Channels</b>	Middle
<b>Signal</b>	TDMA (Crest factor: 8.0)



**Maximum location: X=7.00, Y=-1.00**

<b>SAR 10g (W/Kg)</b>	0.423711
<b>SAR 1g (W/Kg)</b>	0.742432



Test Laboratory: AGC Lab  
PCS 1900 Low-Touch-Right <SIM 1>  
**DUT: GSM Mobile Phone;** **Type: GO180**

**Date: Apr.09, 2013**

Communication System: Generic GSM; Communication System Band: PCS 1900; Duty Cycle: 1:8.3; Conv.F=5.73; Frequency: 1850.2 MHz; Medium parameters used:  $f = 1900$  MHz;  $\sigma = 1.43$  mho/m;  $\epsilon_r = 40.57$ ;  $\rho = 1000$  kg/m<sup>3</sup>; Phantom section: Right Section  
Ambient temperature (°C): 21.0, Liquid temperature (°C): 21.0

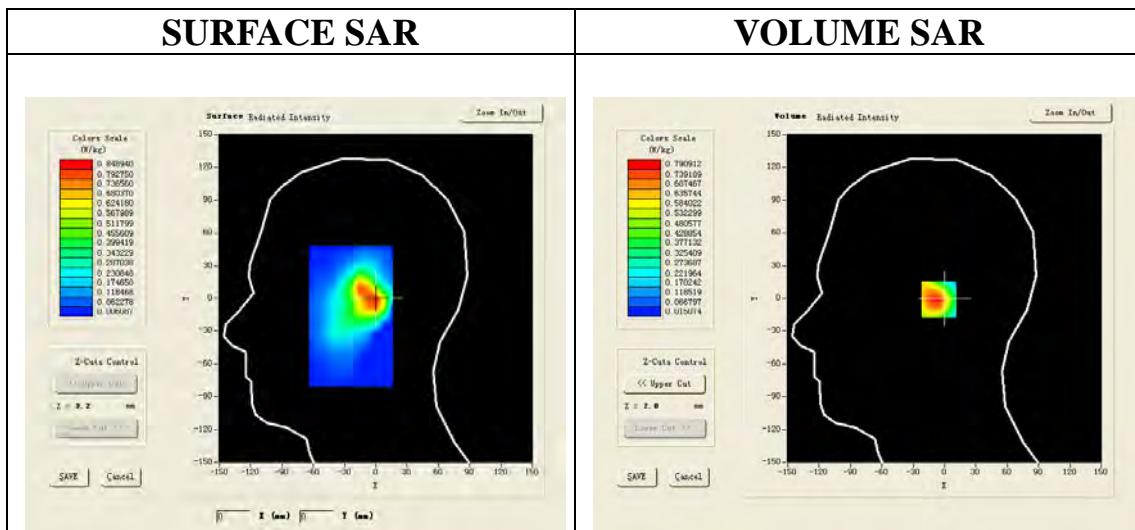
Satimo Configuration:

- . Probe: EP159; Calibrated: 12/11/2012
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Phantom: SAM1; Type: SAM
- Measurement SW: OpenSAR V4\_02\_01

**Configuration/PCS1900 Low-Touch-Right/Area Scan:** Measurement grid: dx=20mm, dy=20mm

**Configuration/PCS1900 Low-Touch-Right/Zoom Scan:** Measurement grid: dx=8mm, dy=8mm, dz=5mm;

<b>Area Scan</b>	sam_direct_droit2_surf8mm.txt
<b>ZoomScan</b>	5x5x7,dx=8mm dy=8mm dz=5mm,Very fast
<b>Phantom</b>	Right head
<b>Device Position</b>	Cheek
<b>Band</b>	PCS 1900
<b>Channels</b>	Low
<b>Signal</b>	TDMA (Crest factor: 8.0)

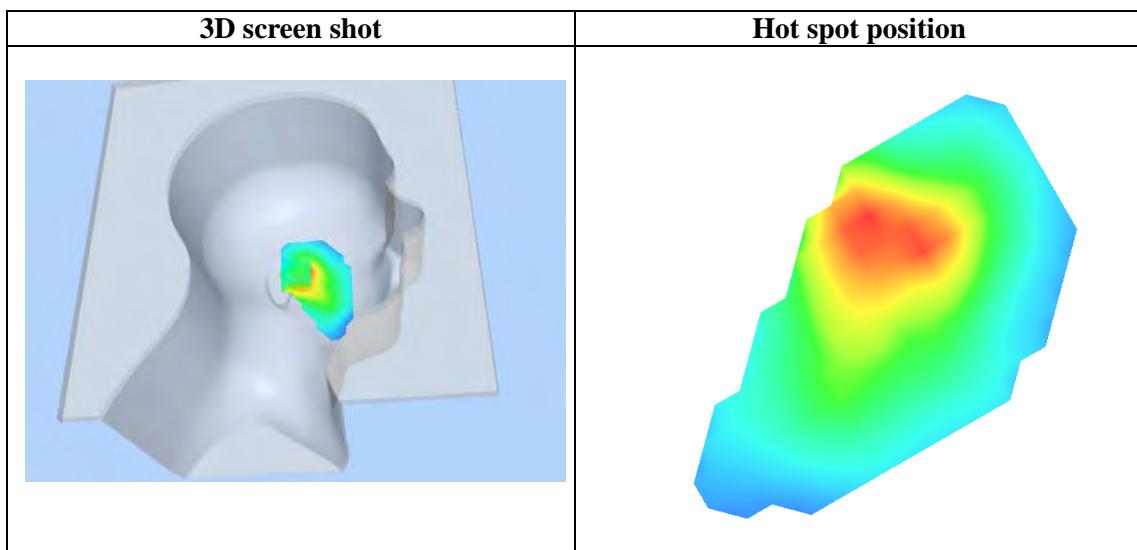
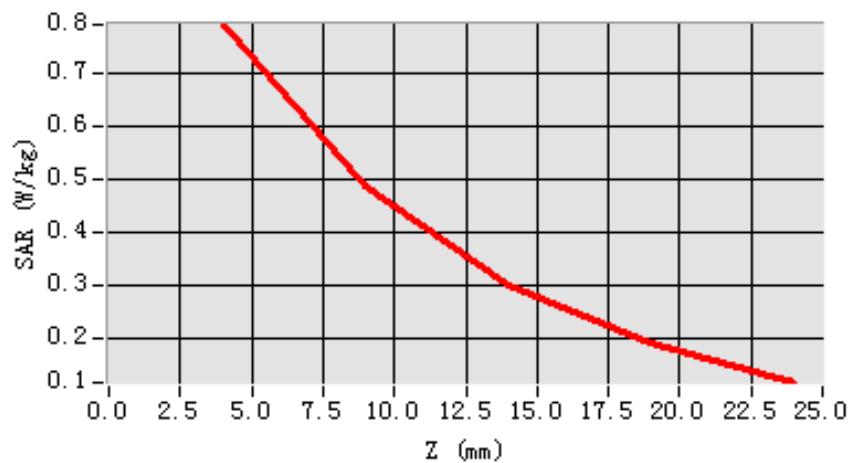


**Maximum location: X=-1.00, Y=-1.00**

<b>SAR 10g (W/Kg)</b>	0.428901
<b>SAR 1g (W/Kg)</b>	0.753683

Z (mm)	0.00	4.00	9.00	14.00	19.00
SAR (W/Kg)	0.0000	0.7947	0.4859	0.2991	0.1881

**SAR, Z Axis Scan (X = -1, Y = -1)**



Test Laboratory: AGC Lab  
PCS 1900 Mid-Touch-Right <SIM 1>  
**DUT: GSM Mobile Phone;** **Type: GO180**

**Date: Apr.09, 2013**

Communication System: Generic GSM; Communication System Band: PCS 1900; Duty Cycle: 1:8.3; Conv.F=5.73; Frequency: 1880 MHz; Medium parameters used:  $f = 1900$  MHz;  $\sigma = 1.43$  mho/m;  $\epsilon_r = 40.57$ ;  $\rho = 1000$  kg/m<sup>3</sup> ; Phantom section: Right Section  
Ambient temperature (°C): 21.0, Liquid temperature (°C): 21.0

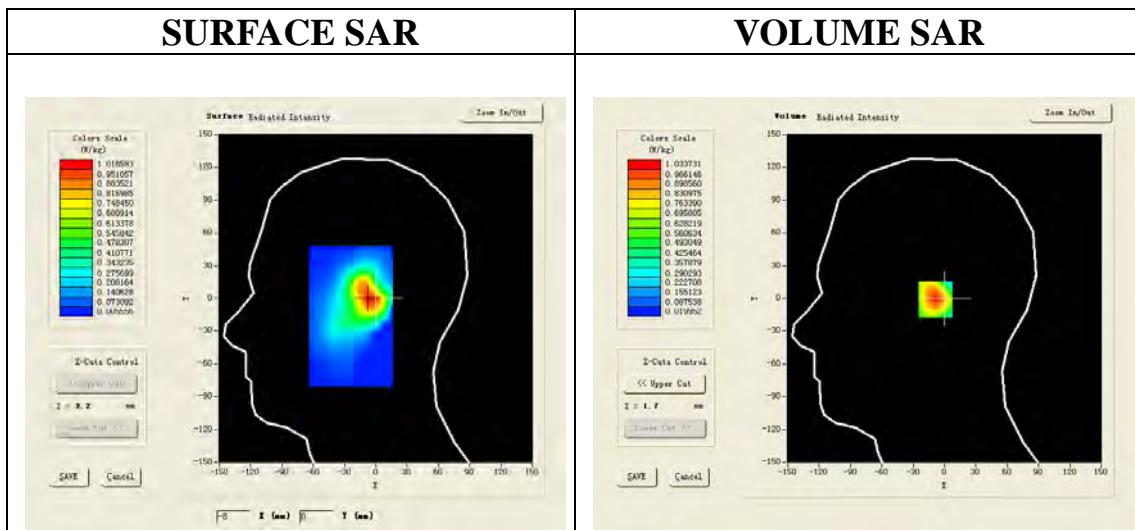
Satimo Configuration:

- . Probe: EP159; Calibrated: 12/11/2012
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Phantom: SAM1; Type: SAM
- Measurement SW: OpenSAR V4\_02\_01

**Configuration/PCS1900 Mid-Touch-Right/Area Scan:** Measurement grid: dx=20mm, dy=20mm

**Configuration/PCS1900 Mid-Touch-Right/Zoom Scan:** Measurement grid: dx=8mm, dy=8mm, dz=5mm;

<b>Area Scan</b>	sam_direct_droit2_surf8mm.txt
<b>ZoomScan</b>	5x5x7,dx=8mm dy=8mm dz=5mm,Very fast
<b>Phantom</b>	Right head
<b>Device Position</b>	Cheek
<b>Band</b>	PCS 1900
<b>Channels</b>	Middle
<b>Signal</b>	TDMA (Crest factor: 8.0)

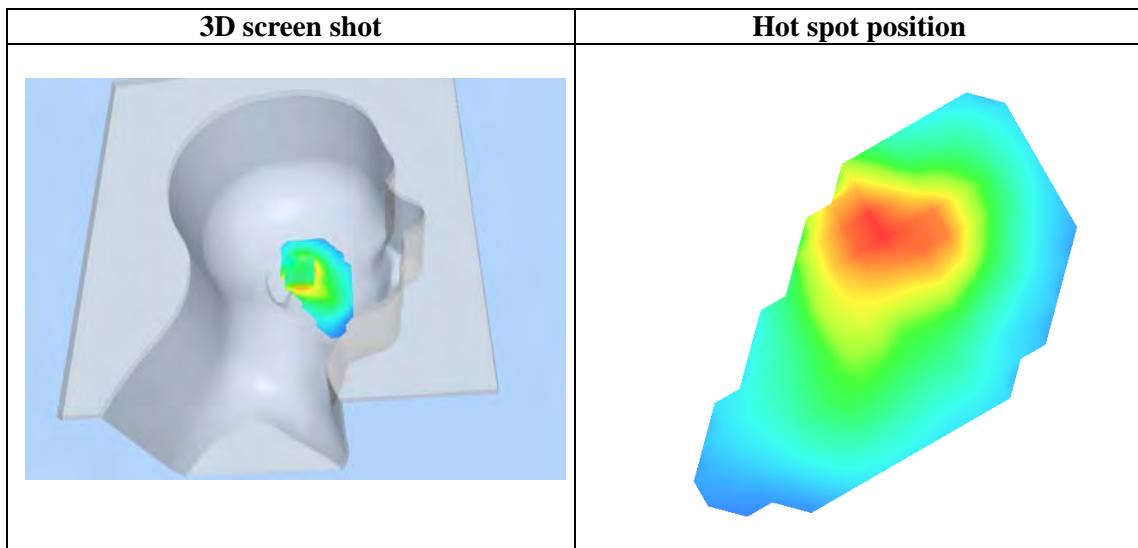
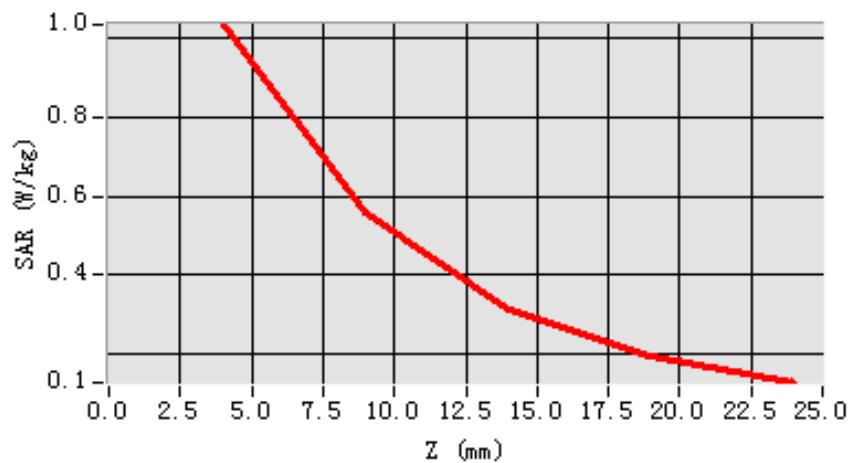


**Maximum location: X=-5.00, Y=-1.00**

<b>SAR 10g (W/Kg)</b>	0.526273
<b>SAR 1g (W/Kg)</b>	0.973831

Z (mm)	0.00	4.00	9.00	14.00	19.00
SAR (W/Kg)	0.0000	1.0337	0.5556	0.3100	0.1927

**SAR, Z Axis Scan (X = -5, Y = -1)**



Test Laboratory: AGC Lab  
PCS 1900 High-Touch-Right <SIM 1>  
**DUT: GSM Mobile Phone;** **Type: GO180**

**Date: Apr.09, 2013**

Communication System: Generic GSM; Communication System Band: PCS 1900; Duty Cycle: 1:8.3; Conv.F=5.73; Frequency: 1909.8 MHz; Medium parameters used:  $f = 1900 \text{ MHz}$ ;  $\sigma = 1.43 \text{ mho/m}$ ;  $\epsilon_r = 40.57$ ;  $\rho = 1000 \text{ kg/m}^3$ ; Phantom section: Right Section  
Ambient temperature ( $^{\circ}\text{C}$ ): 21.0, Liquid temperature ( $^{\circ}\text{C}$ ): 21.0

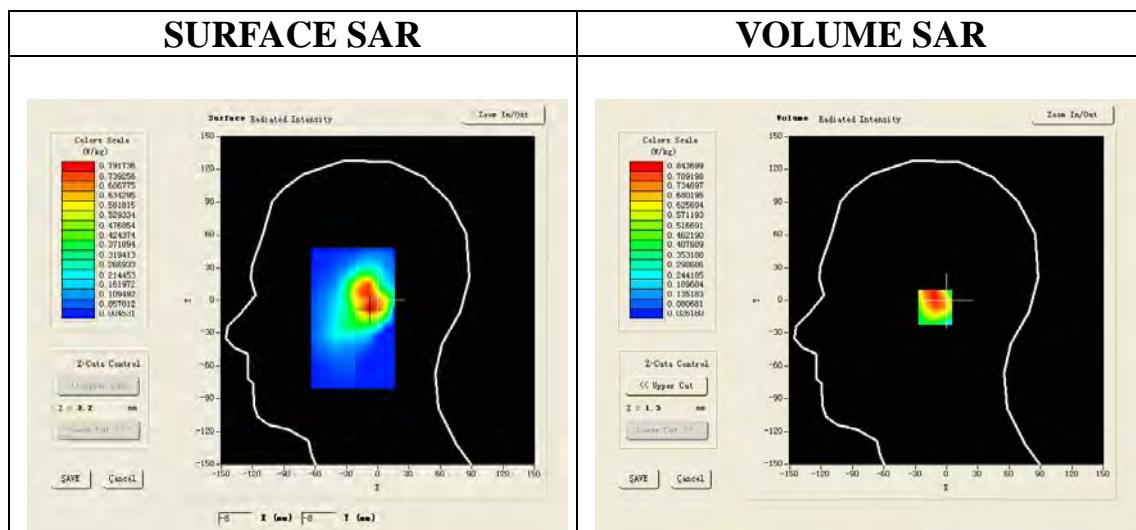
Satimo Configuration:

- . Probe: EP159; Calibrated: 12/11/2012
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Phantom: SAM1; Type: SAM
- Measurement SW: OpenSAR V4\_02\_01

**Configuration/PCS1900 High-Touch-Right/Area Scan:** Measurement grid: dx=20mm, dy=20mm

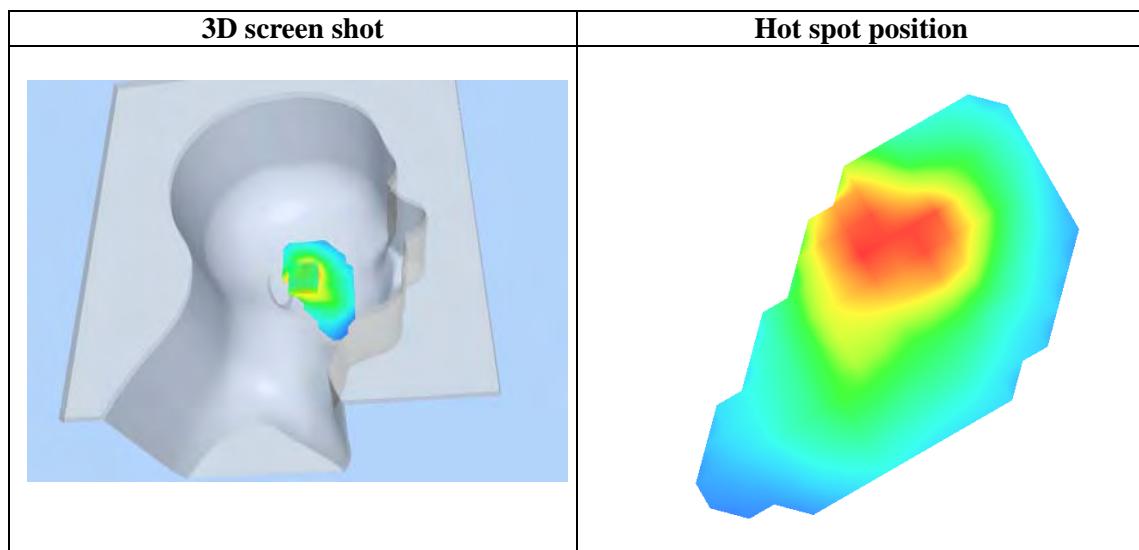
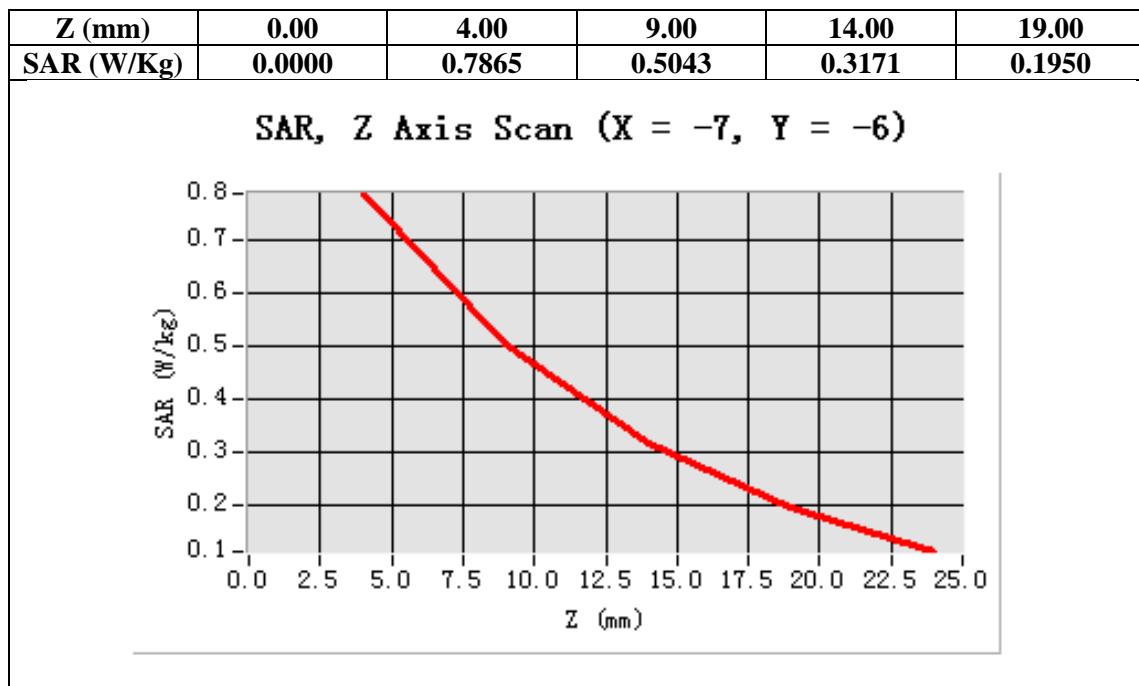
**Configuration/PCS1900 High-Touch-Right/Zoom Scan:** Measurement grid: dx=8mm, dy=8mm, dz=5mm;

<b>Area Scan</b>	sam_direct_droit2_surf8mm.txt
<b>ZoomScan</b>	5x5x7,dx=8mm dy=8mm dz=5mm,Very fast
<b>Phantom</b>	Right head
<b>Device Position</b>	Cheek
<b>Band</b>	PCS 1900
<b>Channels</b>	High
<b>Signal</b>	TDMA (Crest factor: 8.0)



**Maximum location: X=-7.00, Y=-6.00**

<b>SAR 10g (W/Kg)</b>	0.472919
<b>SAR 1g (W/Kg)</b>	0.797542



Test Laboratory: AGC Lab  
PCS 1900 Mid-Tilt-Right <SIM 1>  
**DUT: GSM Mobile Phone; Type: GO180**

**Date: Apr.09, 2013**

Communication System: Generic GSM; Communication System Band: PCS 1900; Duty Cycle: 1:8.3; Conv.F=5.73; Frequency: 1880 MHz; Medium parameters used:  $f = 1900$  MHz;  $\sigma = 1.43$  mho/m;  $\epsilon_r = 40.57$ ;  $\rho = 1000$  kg/m<sup>3</sup> ; Phantom section: Right Section  
Ambient temperature (°C): 21.0, Liquid temperature (°C): 21.0

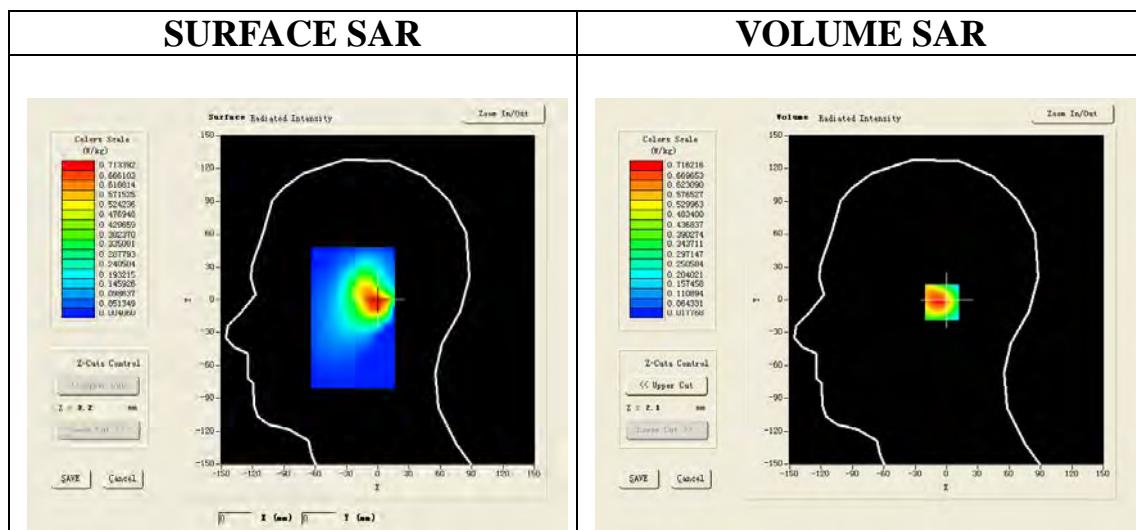
Satimo Configuration:

- Probe: EP159; Calibrated: 12/11/2012
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Phantom: SAM1; Type: SAM
- Measurement SW: OpenSAR V4\_02\_01

**Configuration/PCS1900 Mid-Tilt-Right/Area Scan:** Measurement grid: dx=20mm, dy=20mm

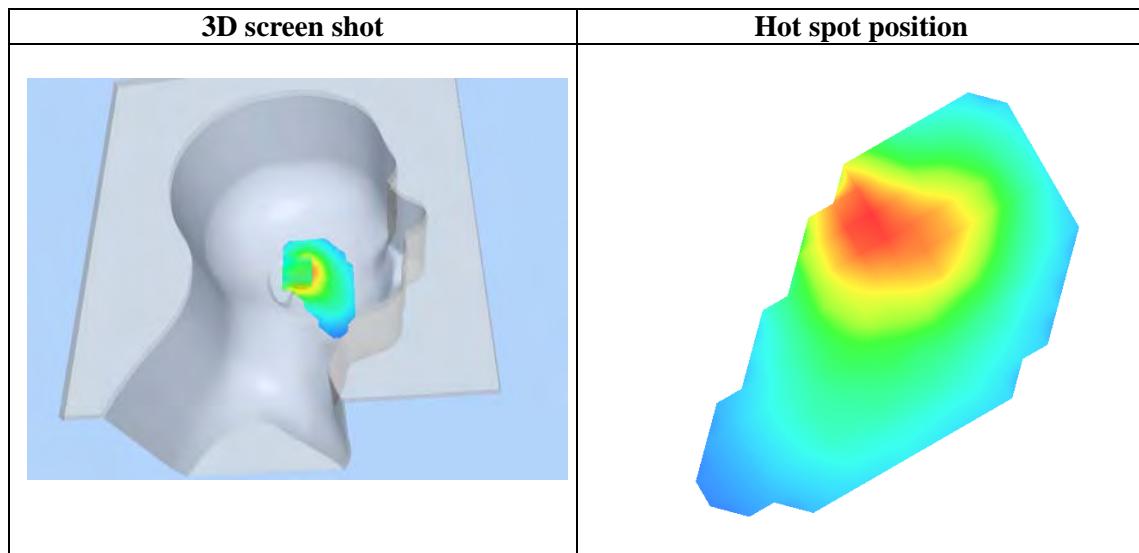
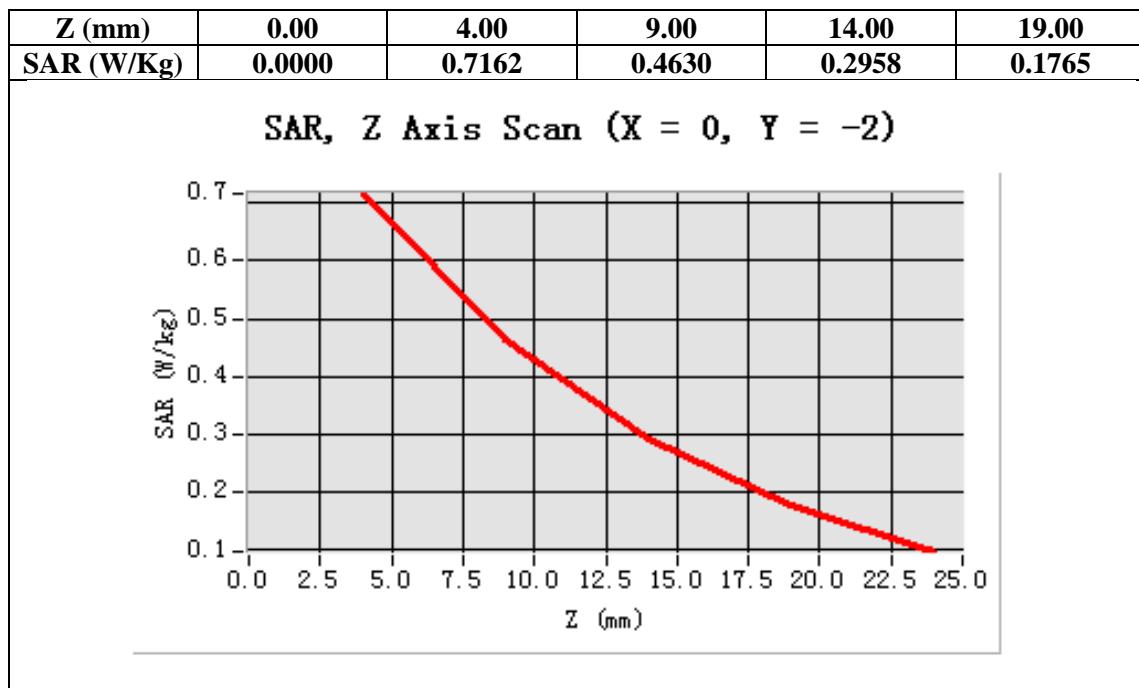
**Configuration/PCS1900 Mid-Tilt-Right/Zoom Scan:** Measurement grid: dx=8mm, dy=8mm, dz=5mm;

<b>Area Scan</b>	sam_direct_droit2_surf8mm.txt
<b>ZoomScan</b>	5x5x7,dx=8mm dy=8mm dz=5mm,Very fast
<b>Phantom</b>	Right head
<b>Device Position</b>	Tilt
<b>Band</b>	PCS 1900
<b>Channels</b>	Middle
<b>Signal</b>	TDMA (Crest factor: 8.0)



**Maximum location: X=0.00, Y=-2.00**

<b>SAR 10g (W/Kg)</b>	0.391811
<b>SAR 1g (W/Kg)</b>	0.673894



Test Laboratory: AGC Lab  
PCS 1900 Low-Body-Back <SIM 1>  
**DUT: GSM Mobile Phone; Type: GO180**

**Date: Apr.09, 2013**

Communication System: Generic GSM; Communication System Band: PCS 1900; Duty Cycle: 1:8.3; Conv.F=5.73; Frequency: 1850.2 MHz; Medium parameters used:  $f = 1900$  MHz;  $\sigma = 1.48$  mho/m;  $\epsilon_r = 53.80$ ;  $\rho = 1000$  kg/m<sup>3</sup>; Phantom section: Flat Section  
Ambient temperature (°C): 21.0, Liquid temperature (°C): 21.0

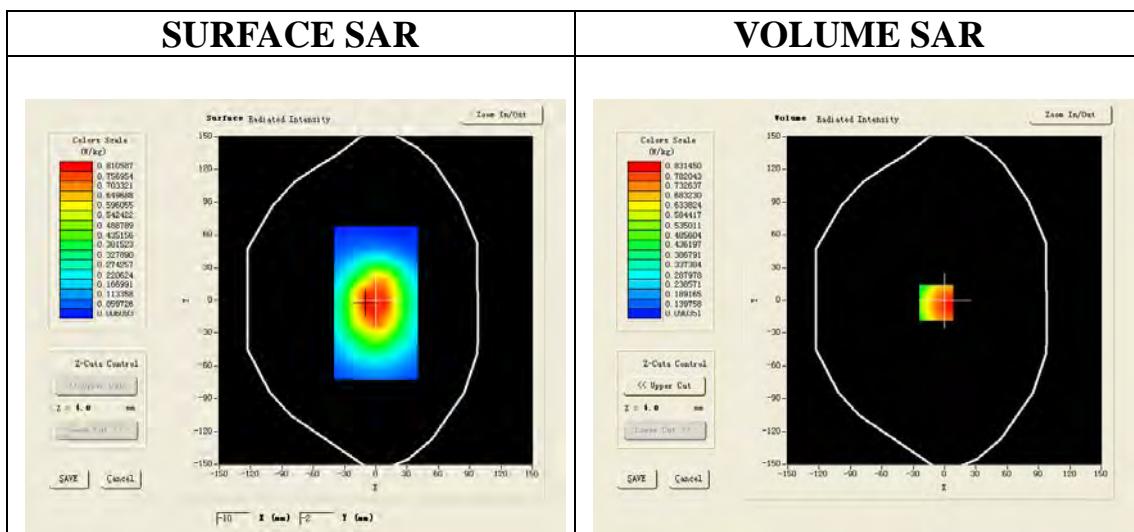
Satimo Configuration:

- Probe: EP159; Calibrated: 12/11/2012
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Phantom: SAM1; Type: SAM
- Measurement SW: OpenSAR V4\_02\_01

**Configuration/PCS1900 Low-Body-Back/Area Scan:** Measurement grid: dx=20mm, dy=20mm

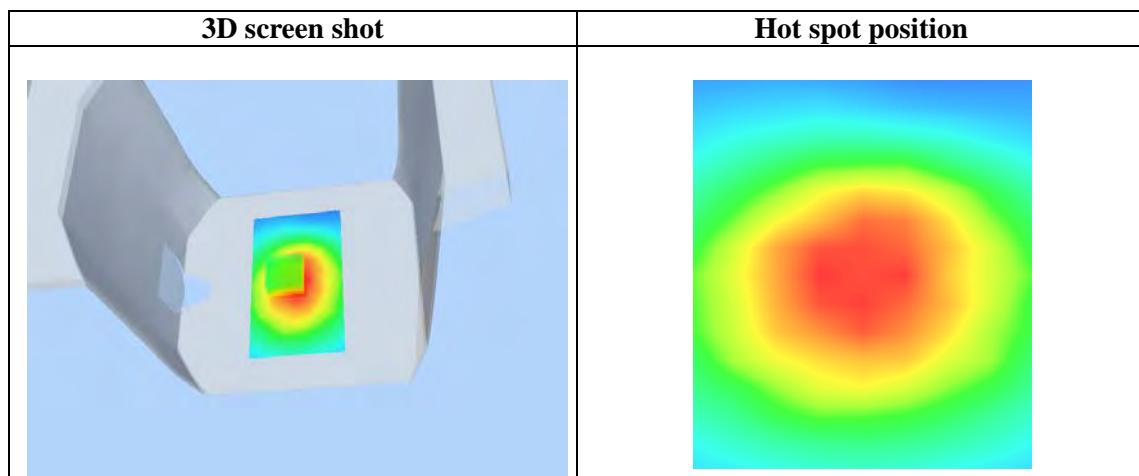
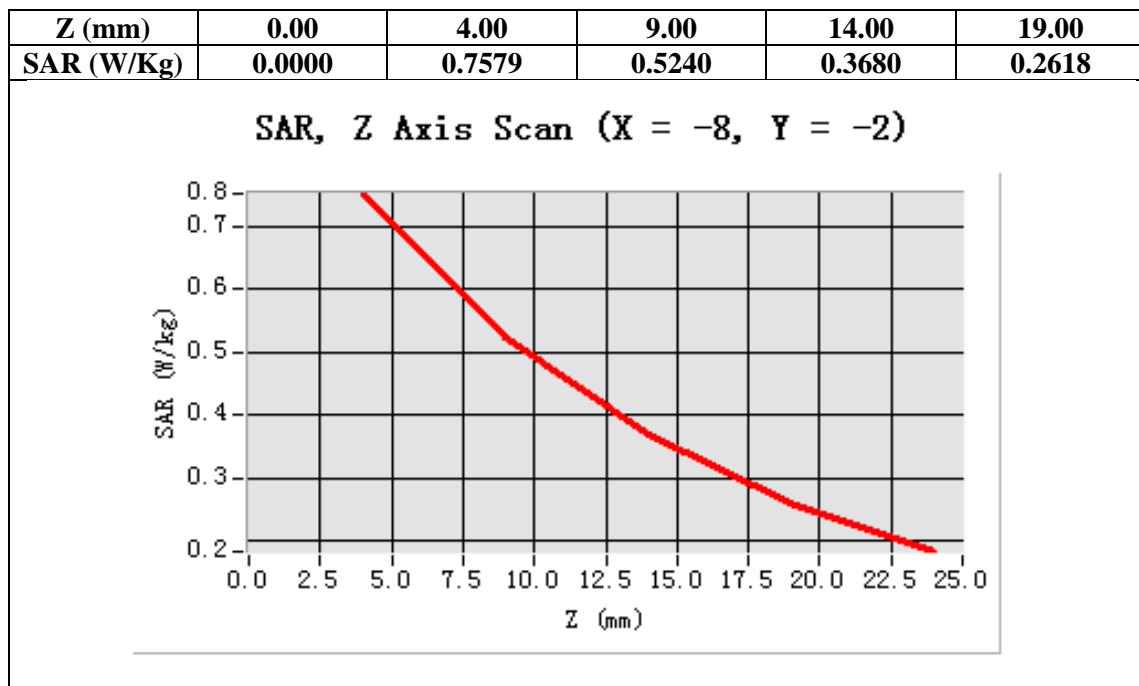
**Configuration/PCS1900 Low-Body-Back/Zoom Scan:** Measurement grid: dx=8mm, dy=8mm, dz=5mm;

<b>Area Scan</b>	surf_sam_plan.txt
<b>ZoomScan</b>	5x5x7,dx=8mm dy=8mm dz=5mm,Very fast
<b>Phantom</b>	Validation plane
<b>Device Position</b>	Body Back
<b>Band</b>	PCS 1900
<b>Channels</b>	Low
<b>Signal</b>	TDMA (Crest factor: 8.0)



**Maximum location: X=-8.00, Y=-2.00**

<b>SAR 10g (W/Kg)</b>	0.574486
<b>SAR 1g (W/Kg)</b>	0.858338



Test Laboratory: AGC Lab  
PCS 1900 Mid-Body-Back <SIM 1>  
**DUT: GSM Mobile Phone; Type: GO180**

**Date: Apr.09, 2013**

Communication System: Generic GSM; Communication System Band: PCS 1900; Duty Cycle: 1:8.3; Conv.F=5.73; Frequency: 1880 MHz; Medium parameters used:  $f = 1900$  MHz;  $\sigma = 1.48$  mho/m;  $\epsilon_r = 53.80$ ;  $\rho = 1000$  kg/m<sup>3</sup> ; Phantom section: Flat Section  
Ambient temperature (°C): 21.0, Liquid temperature (°C): 21.0

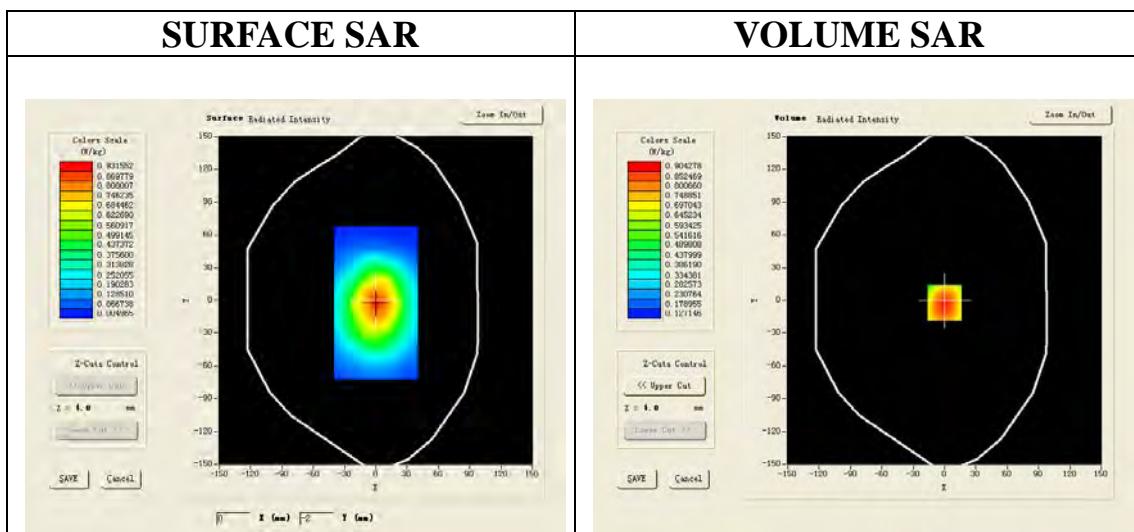
Satimo Configuration:

- . Probe: EP159; Calibrated: 12/11/2012
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Phantom: SAM1; Type: SAM
- Measurement SW: OpenSAR V4\_02\_01

**Configuration/PCS1900 Mid-Body-Back/Area Scan:** Measurement grid: dx=20mm, dy=20mm

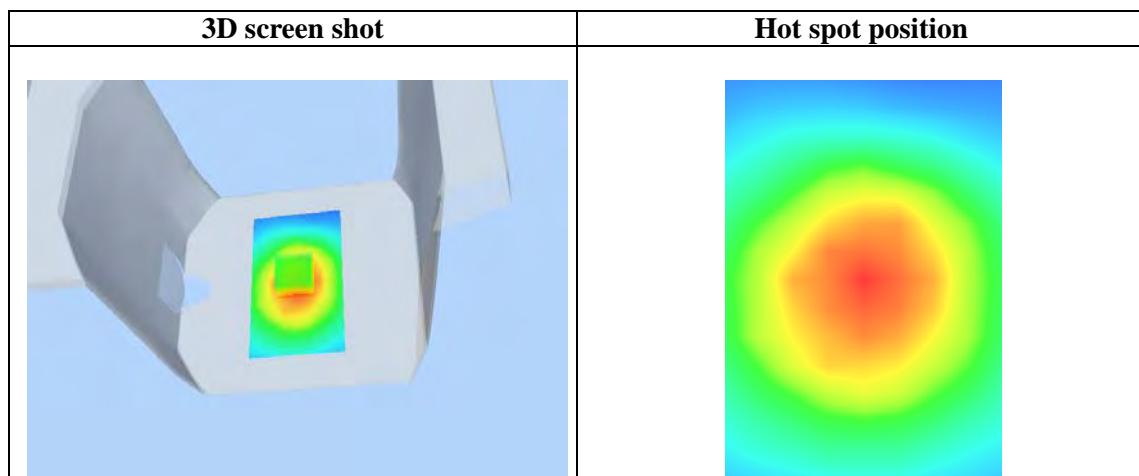
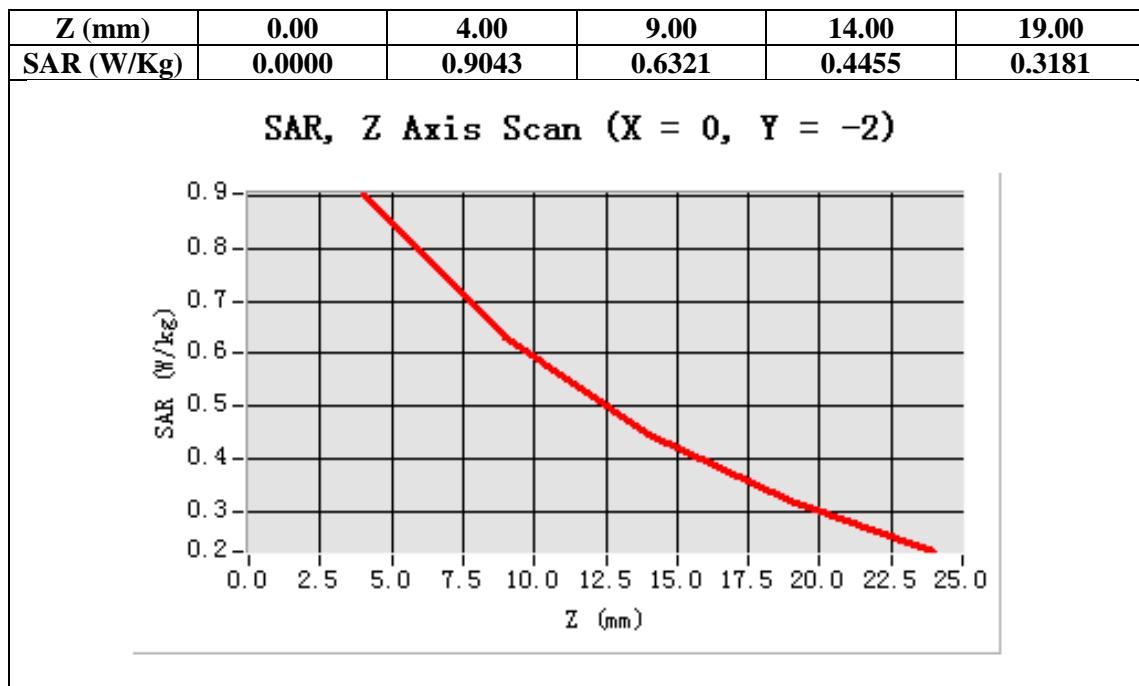
**Configuration/PCS1900 Mid-Body-Back/Zoom Scan:** Measurement grid: dx=8mm, dy=8mm, dz=5mm;

<b>Area Scan</b>	surf_sam_plan.txt
<b>ZoomScan</b>	5x5x7,dx=8mm dy=8mm dz=5mm,Very fast
<b>Phantom</b>	Validation plane
<b>Device Position</b>	Body Back
<b>Band</b>	PCS 1900
<b>Channels</b>	Middle
<b>Signal</b>	TDMA (Crest factor: 8.0)



**Maximum location: X=0.00, Y=-2.00**

<b>SAR 10g (W/Kg)</b>	0.623414
<b>SAR 1g (W/Kg)</b>	0.934492



Test Laboratory: AGC Lab  
PCS 1900 High-Body-Back <SIM 1>  
**DUT: GSM Mobile Phone;** **Type: GO180**

**Date: Apr.09, 2013**

Communication System: Generic GSM; Communication System Band: PCS 1900; Duty Cycle: 1:8.3; Conv.F=5.73; Frequency: 1909.8 MHz; Medium parameters used:  $f = 1900 \text{ MHz}$ ;  $\sigma = 1.48 \text{ mho/m}$ ;  $\epsilon_r = 53.80$ ;  $\rho = 1000 \text{ kg/m}^3$ ; Phantom section: Flat Section  
Ambient temperature ( $^{\circ}\text{C}$ ): 21.0, Liquid temperature ( $^{\circ}\text{C}$ ): 21.0

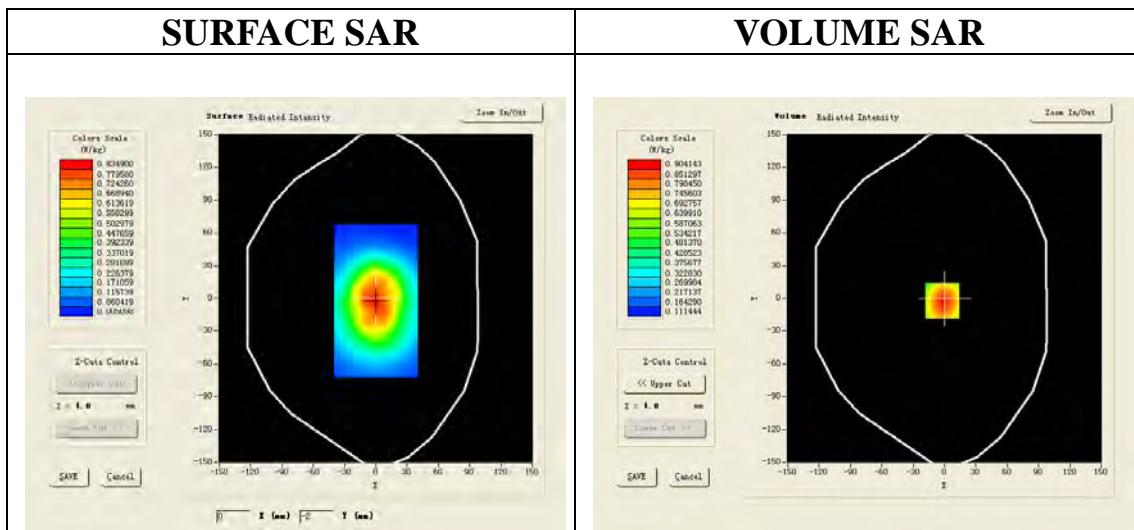
Satimo Configuration:

- Probe: EP159; Calibrated: 12/11/2012
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Phantom: SAM1; Type: SAM
- Measurement SW: OpenSAR V4\_02\_01

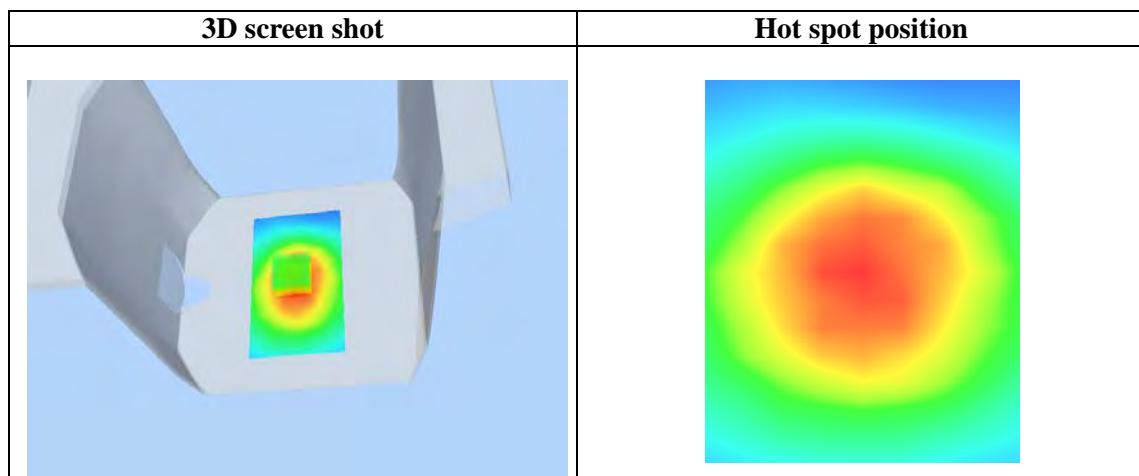
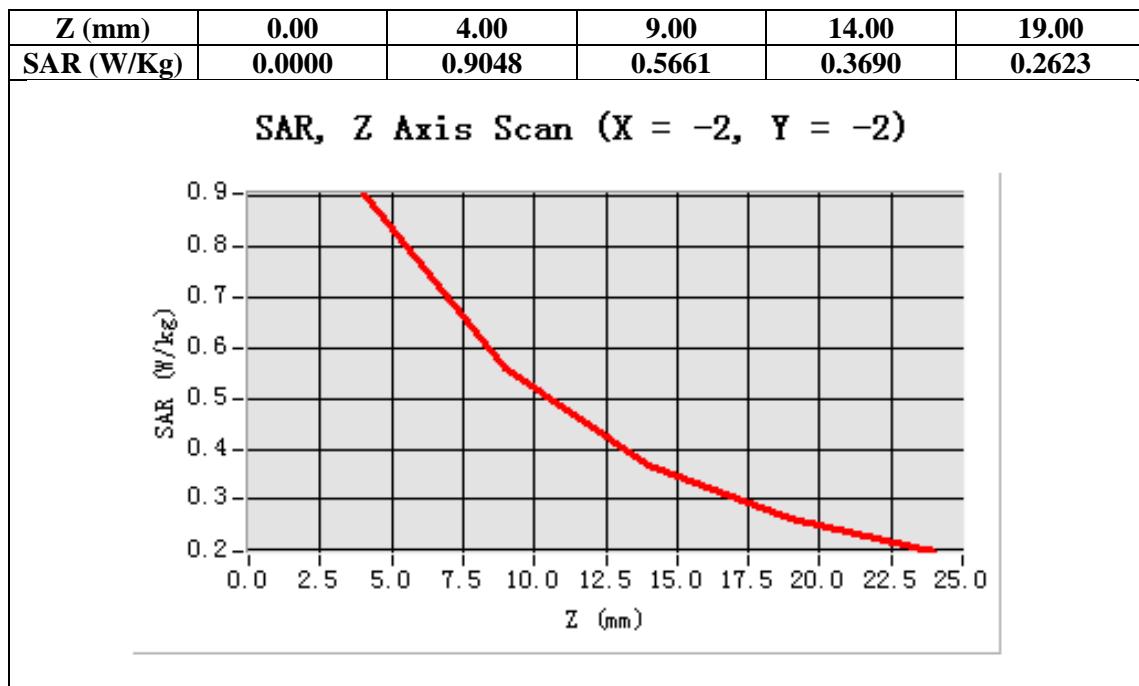
**Configuration/PCS1900 High-Body-Back/Area Scan:** Measurement grid: dx=20mm, dy=20mm

**Configuration/PCS1900 High-Body-Back/Zoom Scan:** Measurement grid: dx=8mm, dy=8mm, dz=5mm;

<b>Area Scan</b>	surf_sam_plan.txt
<b>ZoomScan</b>	5x5x7,dx=8mm dy=8mm dz=5mm,Very fast
<b>Phantom</b>	Validation plane
<b>Device Position</b>	Body Back
<b>Band</b>	PCS 1900
<b>Channels</b>	High
<b>Signal</b>	TDMA (Crest factor: 8.0)



<b>SAR 10g (W/Kg)</b>	0.587483
<b>SAR 1g (W/Kg)</b>	0.939275



Test Laboratory: AGC Lab  
GPRS 1900 Mid-Body-Back (2up) <SIM 1>  
**DUT: GSM Mobile Phone; Type: GO180**

**Date: Apr.09, 2013**

Communication System: GPRS-2 Slot; Communication System Band: PCS1900; Duty Cycle: 1:4.2 ; Conv.F=5.73; Frequency: 1880 MHz; Medium parameters used:  $f = 1900$  MHz;  $\sigma = 1.48$  mho/m;  $\epsilon_r = 53.80$ ;  $\rho = 1000$  kg/m<sup>3</sup> ; Phantom section: Flat Section  
Ambient temperature (°C): 21.0, Liquid temperature (°C): 21.0

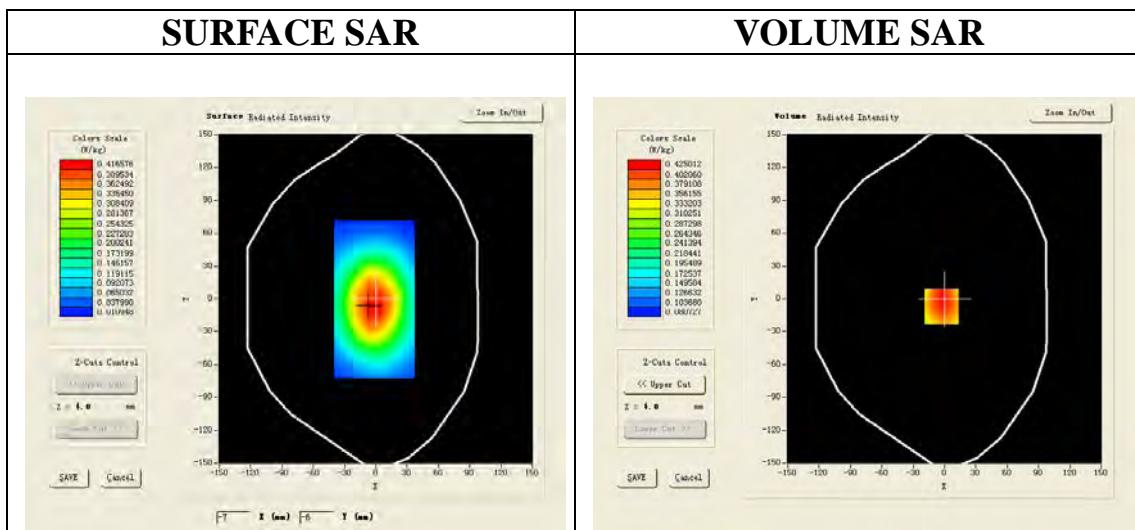
Satimo Configuration:

- . Probe: EP159; Calibrated: 12/11/2012
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Phantom: SAM1; Type: SAM
- Measurement SW: OpenSAR V4\_02\_01

**Configuration/GPRS1900 Mid-Body-Back/Area Scan: Measurement grid:** dx=20mm, dy=20mm

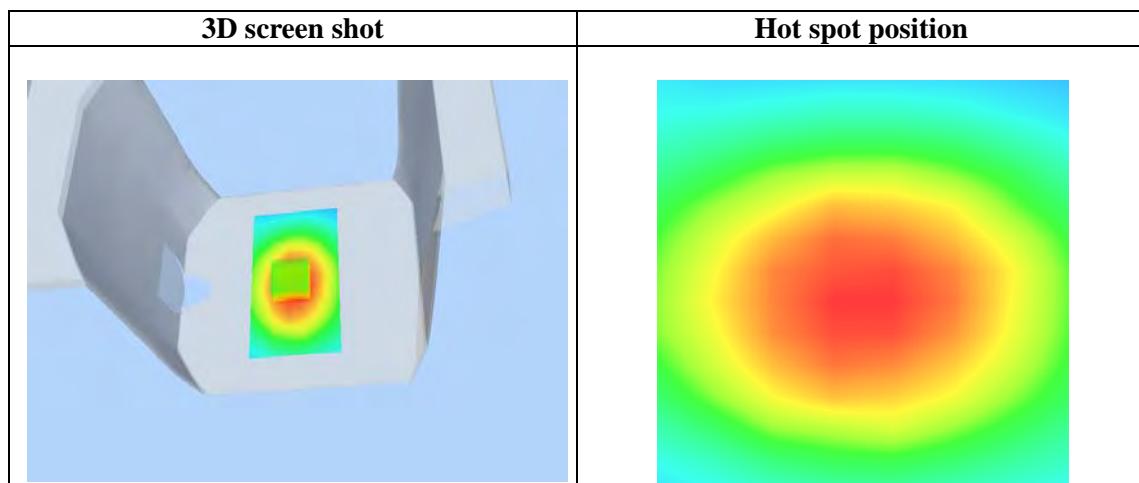
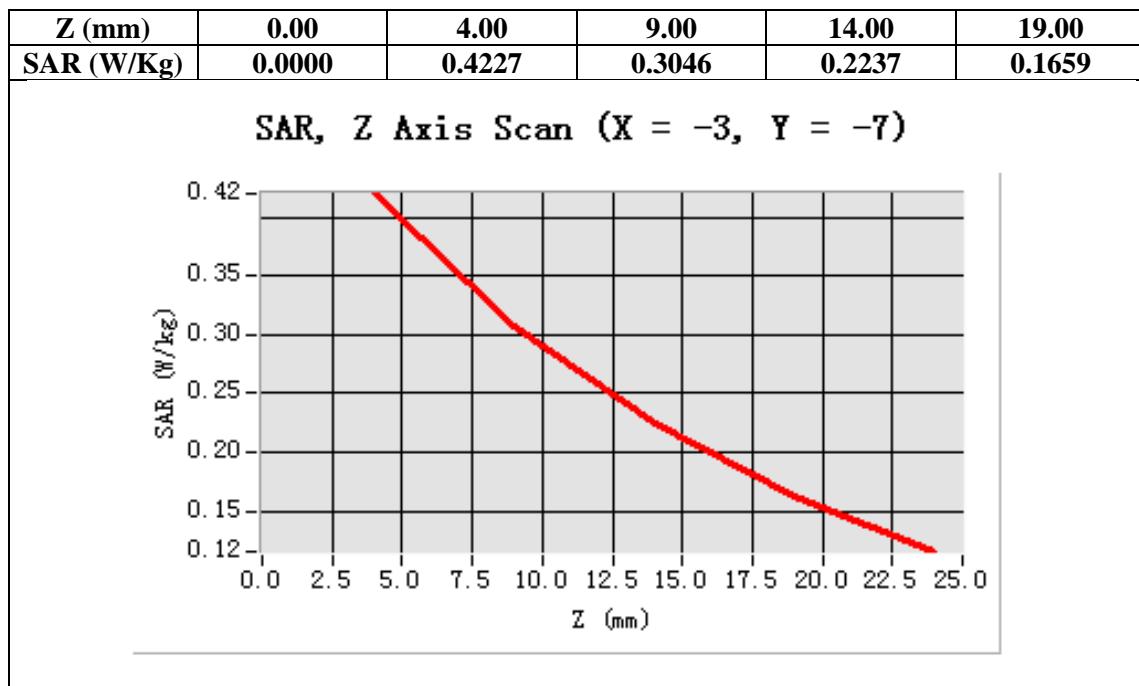
**Configuration/GPRS1900 Mid-Body-Back/Zoom Scan: Measurement grid:** dx=8mm, dy=8mm, dz=5m;

<b>Area Scan</b>	surf_sam_plan.txt
<b>ZoomScan</b>	5x5x7,dx=8mm dy=8mm dz=5mm,Very fast
<b>Phantom</b>	Validation plane
<b>Device Position</b>	Body Back
<b>Band</b>	PCS 1900
<b>Channels</b>	Middle
<b>Signal</b>	TDMA (Crest factor: 4.0)



**Maximum location: X=-3.00, Y=-7.00**

<b>SAR 10g (W/Kg)</b>	0.319734
<b>SAR 1g (W/Kg)</b>	0.446733



Test Laboratory: AGC Lab  
PCS 1900 Mid-Body -Front (MS) <SIM 1>  
**DUT: GSM Mobile Phone;** **Type: GO180**

**Date: Apr.09, 2013**

Communication System: Generic GSM; Communication System Band: PCS 1900; Duty Cycle: 1:8.3; Conv.F=5.73; Frequency: 1880 MHz; Medium parameters used:  $f = 1900$  MHz;  $\sigma = 1.48$  mho/m;  $\epsilon_r = 53.80$ ;  $\rho = 1000$  kg/m<sup>3</sup> ; Phantom section: Flat Section  
Ambient temperature (°C): 21.0, Liquid temperature (°C): 21.0

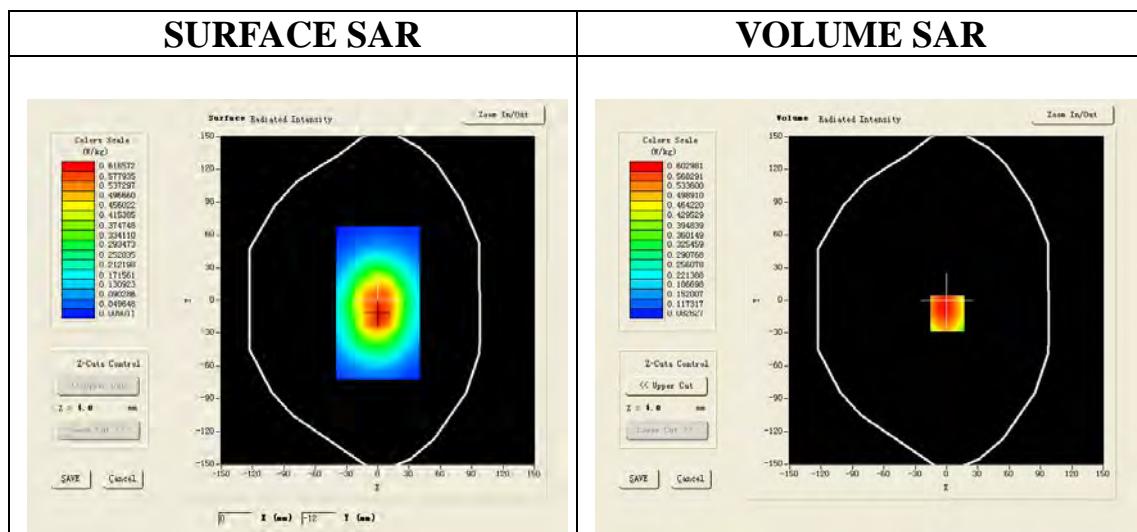
Satimo Configuration:

- . Probe: EP159; Calibrated: 12/11/2012
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Phantom: SAM1; Type: SAM
- Measurement SW: OpenSAR V4\_02\_01

**Configuration/PCS1900 Mid-Body- Front /Area Scan: Measurement grid:** dx=20mm, dy=20mm

**Configuration/PCS1900 Mid-Body- Front /Zoom Scan: Measurement grid:** dx=8mm, dy=8mm, dz=5mm;

<b>Area Scan</b>	surf_sam_plan.txt
<b>ZoomScan</b>	5x5x7,dx=8mm dy=8mm dz=5mm,Very fast
<b>Phantom</b>	Validation plane
<b>Device Position</b>	Body Front
<b>Band</b>	PCS 1900
<b>Channels</b>	Middle
<b>Signal</b>	TDMA (Crest factor: 8.0)

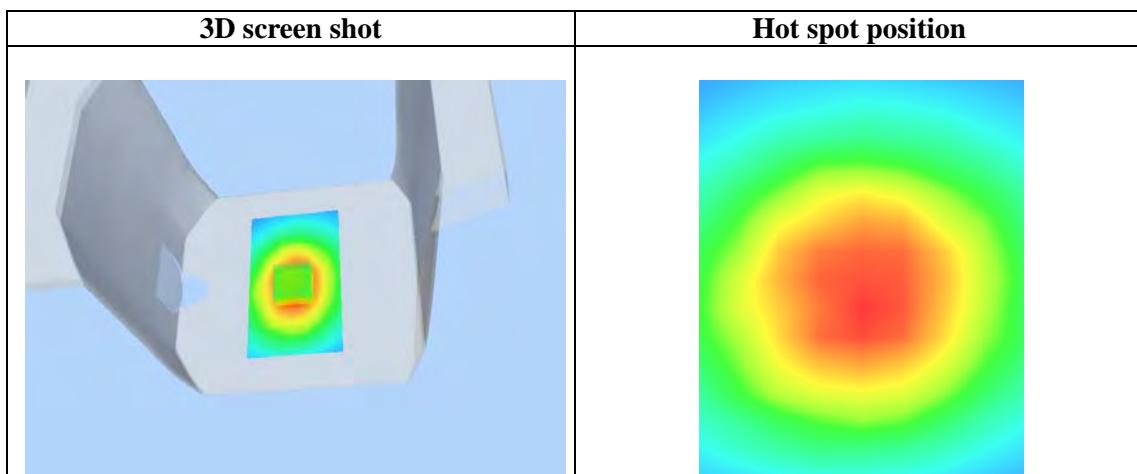
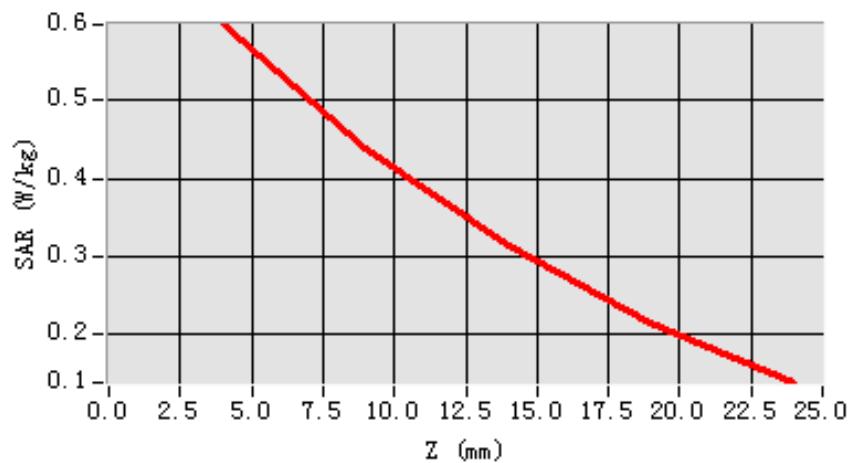


**Maximum location: X=1.00, Y=-12.00**

<b>SAR 10g (W/Kg)</b>	0.437462
<b>SAR 1g (W/Kg)</b>	0.639467

Z (mm)	0.00	4.00	9.00	14.00	19.00
SAR (W/Kg)	0.0000	0.5947	0.4398	0.3148	0.2167

**SAR, Z Axis Scan (X = 1, Y = -12)**



Test Laboratory: AGC Lab  
PCS 1900 High-Body- Back (MS) –with earphone <SIM 1>  
**DUT: GSM Mobile Phone; Type: GO180**

**Date: Apr.09, 2013**

Communication System: Generic GSM; Communication System Band: PCS 1900; Duty Cycle: 1:8.3; Conv.F=5.73; Frequency: 1909.8 MHz; Medium parameters used:  $f = 1900 \text{ MHz}$ ;  $\sigma = 1.48 \text{ mho/m}$ ;  $\epsilon_r = 53.80$ ;  $\rho = 1000 \text{ kg/m}^3$ ; Phantom section: Flat Section  
Ambient temperature ( $^{\circ}\text{C}$ ): 21.0, Liquid temperature ( $^{\circ}\text{C}$ ): 21.0

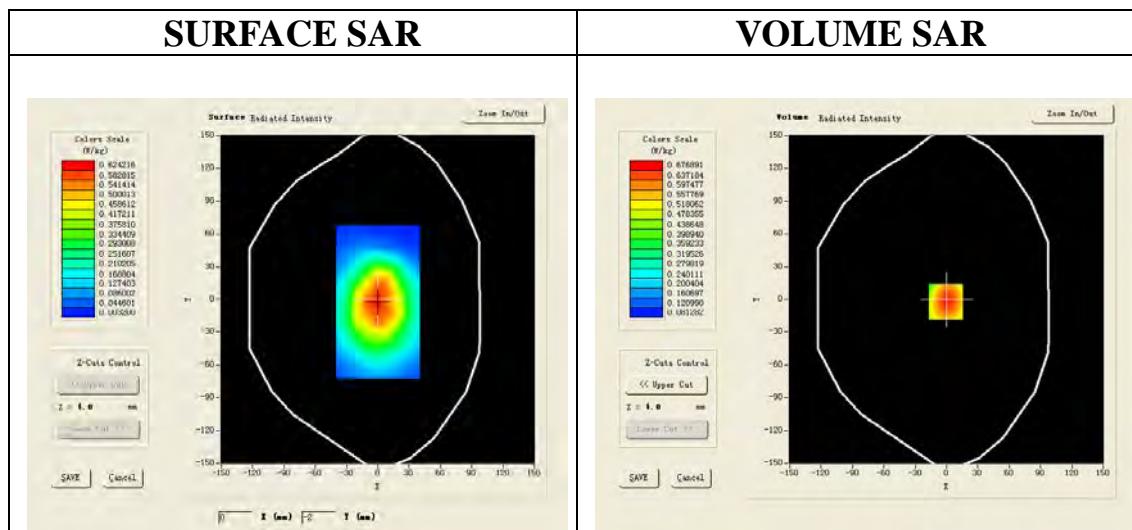
Satimo Configuration:

- . Probe: EP159; Calibrated: 12/11/2012
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Phantom: SAM1; Type: SAM
- Measurement SW: OpenSAR V4\_02\_01

**Configuration/PCS1900 High-Body-Back/Area Scan: Measurement grid:** dx=20mm, dy=20mm

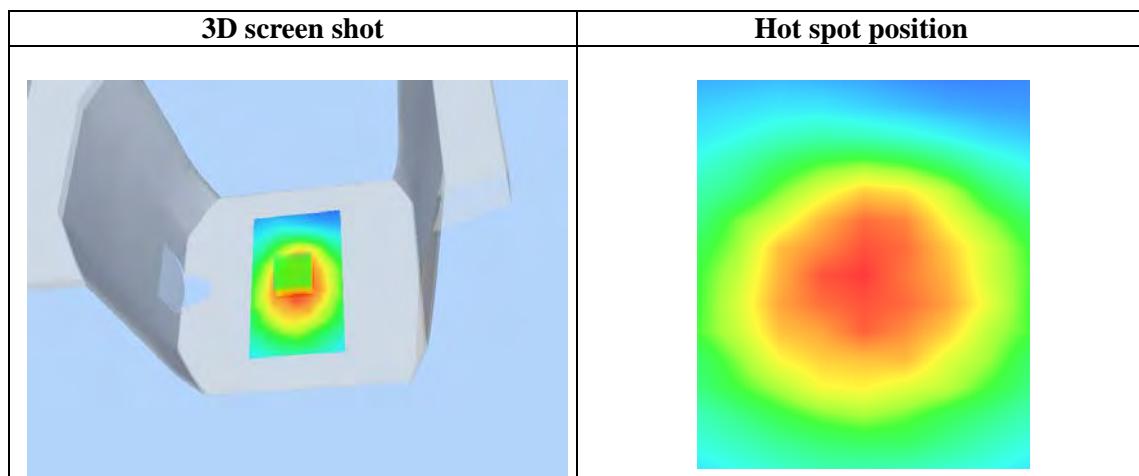
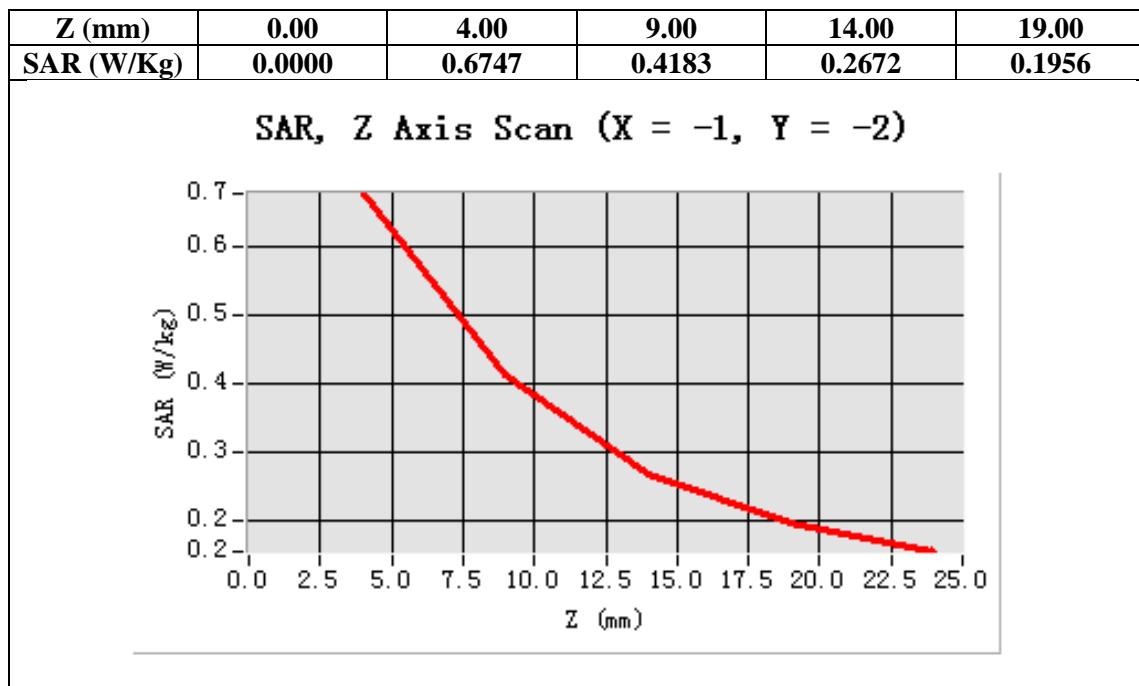
**Configuration/PCS1900 High-Body-Back/Zoom Scan: Measurement grid:** dx=8mm, dy=8mm, dz=5mm;

<b>Area Scan</b>	surf_sam_plan.txt
<b>ZoomScan</b>	5x5x7,dx=8mm dy=8mm dz=5mm,Very fast
<b>Phantom</b>	Validation plane
<b>Device Position</b>	Body Back
<b>Band</b>	PCS 1900
<b>Channels</b>	High
<b>Signal</b>	TDMA (Crest factor: 8.0)



**Maximum location: X=-1.00, Y=-2.00**

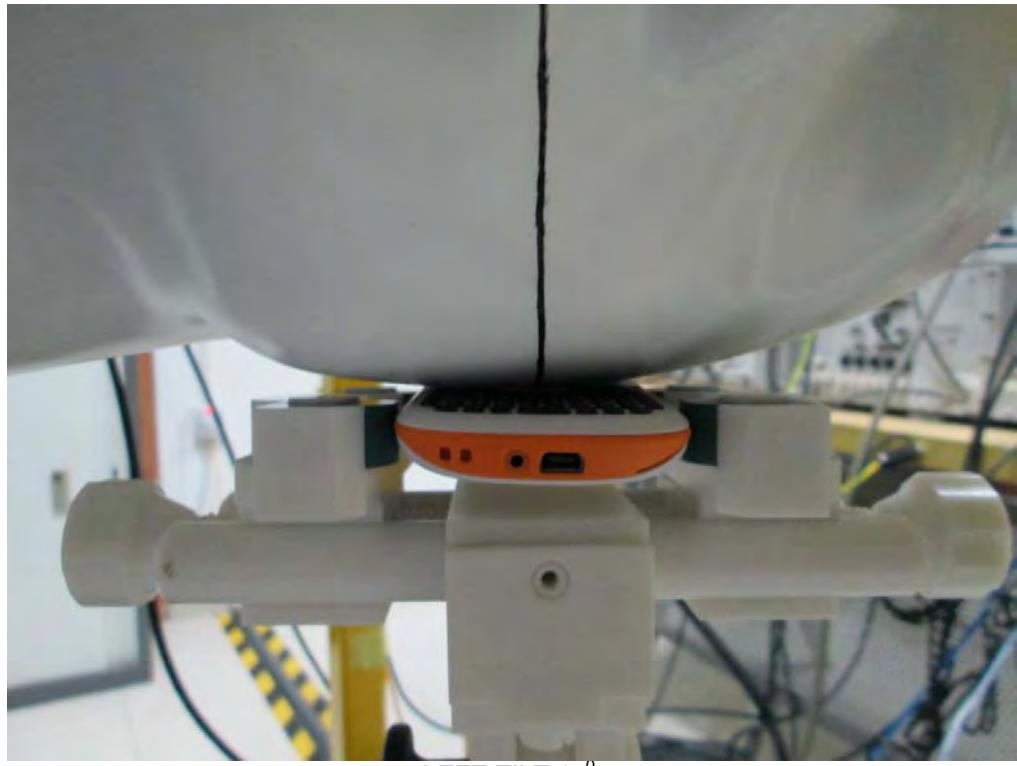
<b>SAR 10g (W/Kg)</b>	0.447133
<b>SAR 1g (W/Kg)</b>	0.700896



## Appendix C. TEST SETUP PHOTOGRAPHS & EUT PHOTOGRAPHS

### Test Setup Photographs

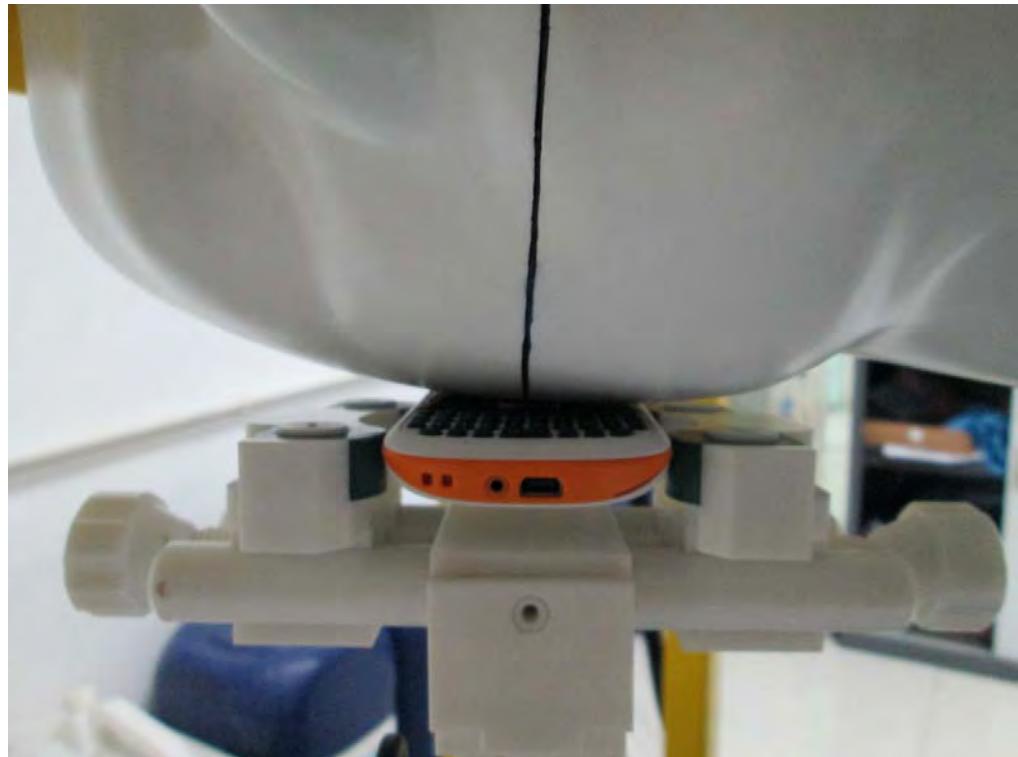
LEFT-CHECK TOUCH



LEFT-TILT 15°



RIGHT-CHECK TOUCH



RIGHT-TILT 15°



Body Back15mm



Body Front15mm



Body back with Headset



### DEPTH OF THE LIQUID IN THE PHANTOM—ZOOM IN

Note : The position used in the measurement were according to IEEE 1528-2003



**EUT PHOTOGRAPHS**  
**TOP VIEW OF EUT**



BOTTOM VIEW OF EUT



FRONT VIEW OF EUT



BACK VIEW OF EUT



LEFT VIEW OF EUT



RIGHT VIEW OF EUT



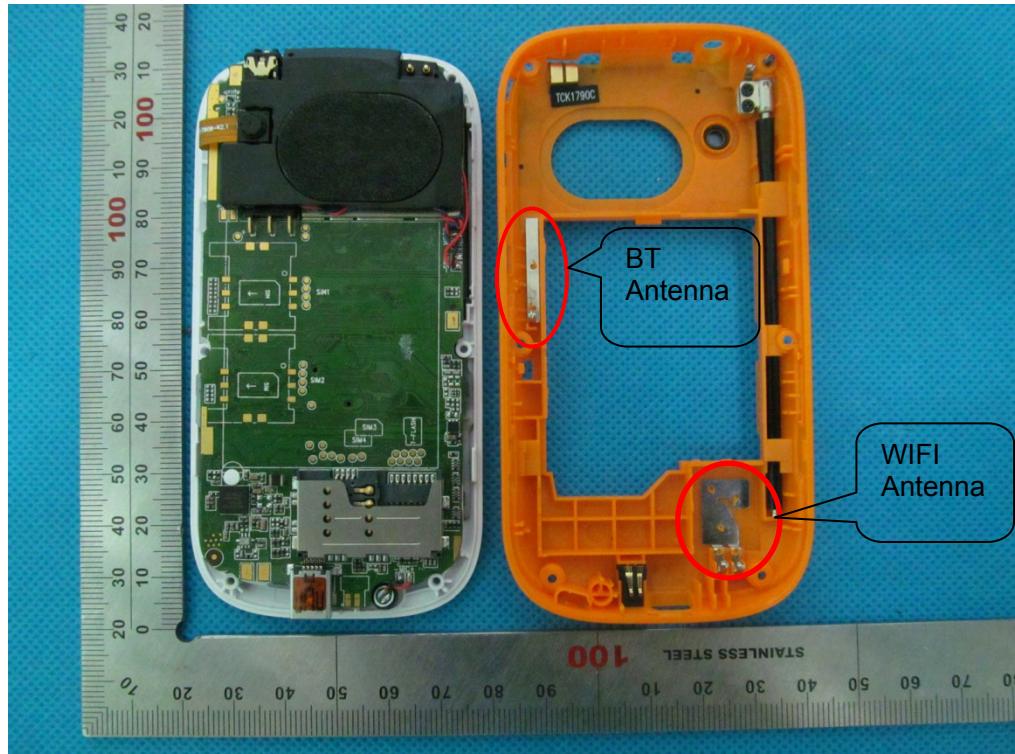
OPEN VIEW OF EUT-1



OPEN VIEW OF EUT-2



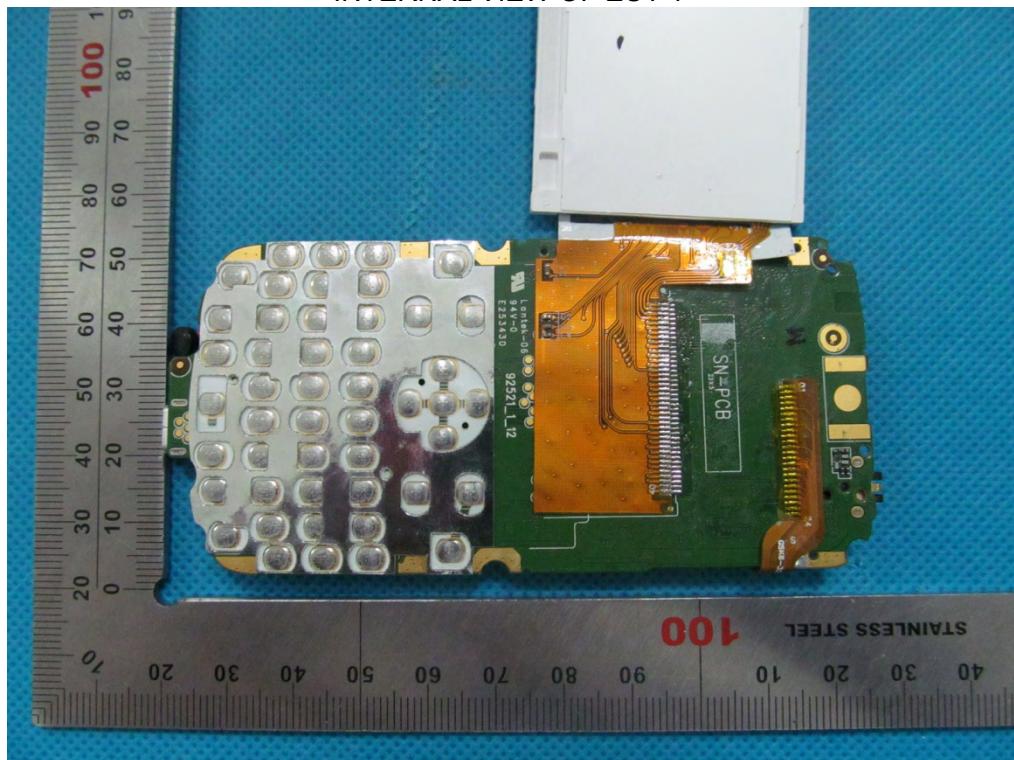
OPEN VIEW OF EUT-3



OPEN VIEW OF EUT-4



INTERNAL VIEW OF EUT-1



INTERNAL VIEW OF EUT-2

