

**Test Laboratory: AGC Lab**

**Date: Sep.18, 2012**

**PCS 1900 Mid-Touch- Left<SIM 1>**

**DUT: mobile phone; Type: AM206**

Communication System: Generic GSM; Communication System Band: PCS 1900; Duty Cycle: 1:8.3;  
Conv.F=6.42;Frequency: 1880 MHz; Medium parameters used:  $f = 1900$  MHz;  $\sigma = 1.42$  mho/m;  $\epsilon_r = 40.12$ ;  $\rho = 1000$  kg/m<sup>3</sup> ;

Phantom section: Left Section

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

Satimo Configuration:

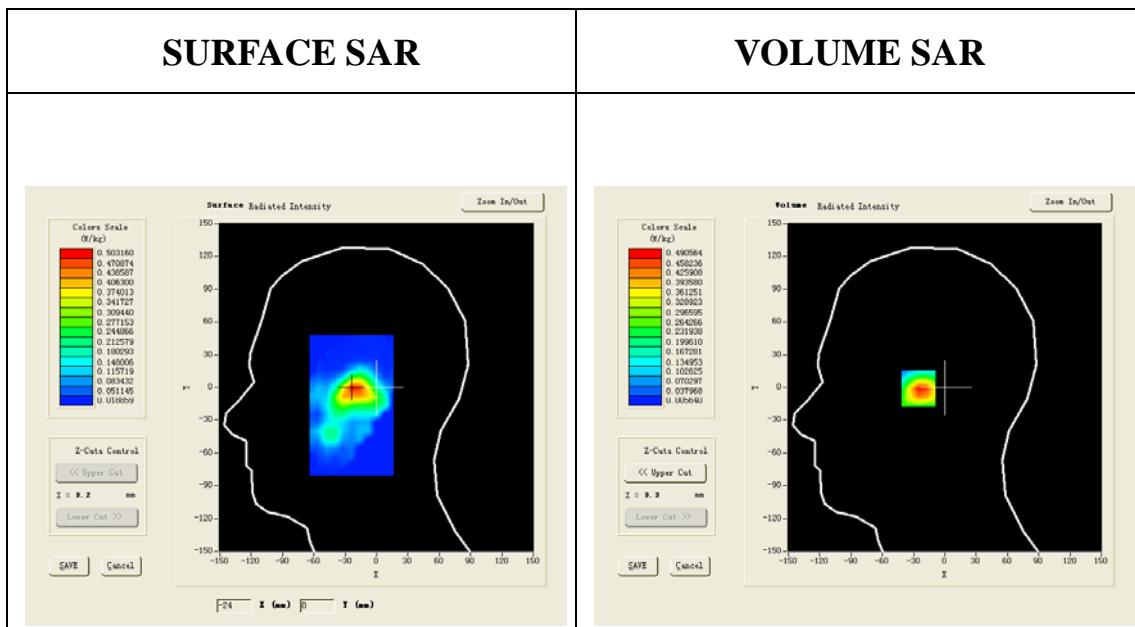
- Probe:SSE5; Calibrated: 12/09/2011
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Phantom: SAM1; Type: SAM
- Measurement SW: OpenSAR V4\_02\_01

**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>	GSM1900
<b>Channels</b>	Middle
<b>Signal</b>	TDMA (Crest factor: 8.0)

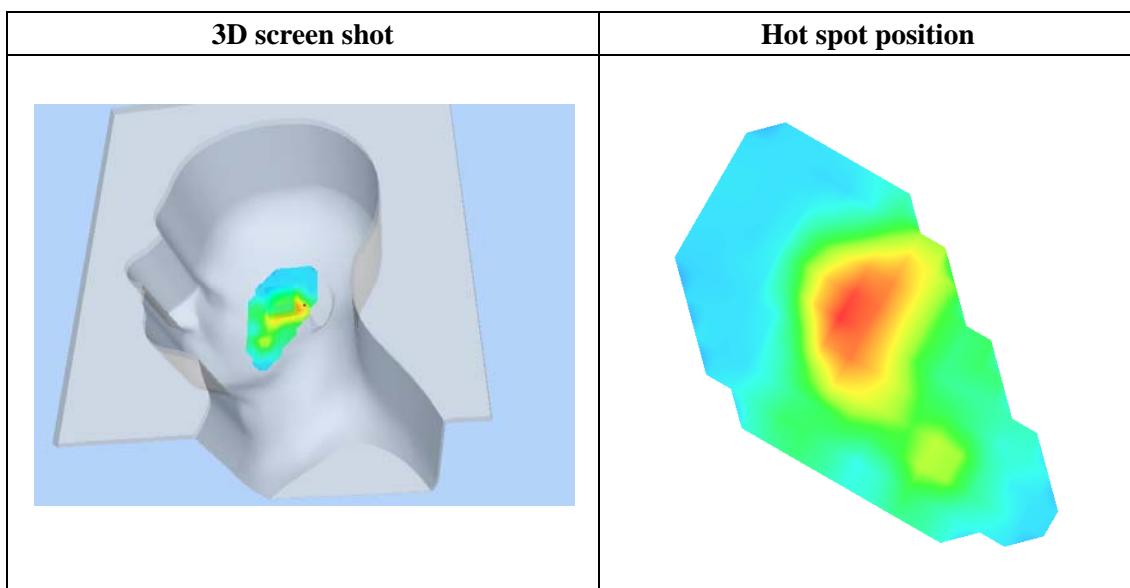
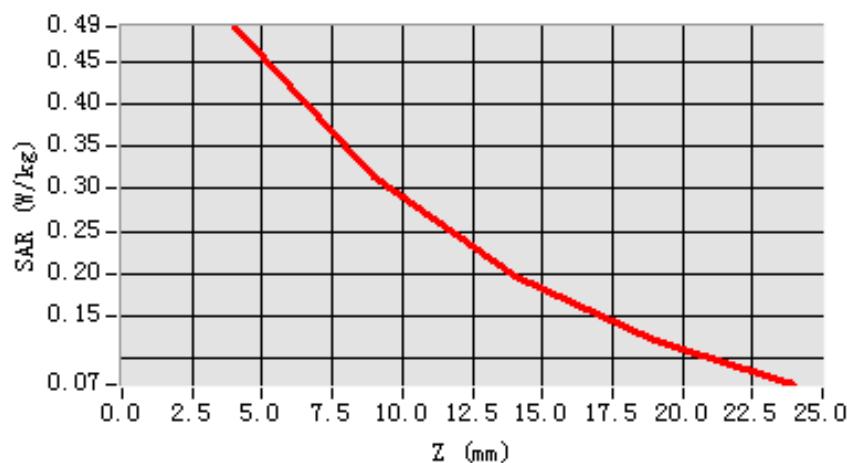


**Maximum location: X=-23.00, Y=-1.00**

<b>SAR 10g (W/Kg)</b>	0.256787
<b>SAR 1g (W/Kg)</b>	0.463945

<b>Z (mm)</b>	0.00	4.00	9.00	14.00	19.00
<b>SAR (W/Kg)</b>	0.0000	0.4916	0.3153	0.1989	0.1231

**SAR, Z Axis Scan (X = -23, Y = -1)**



**Test Laboratory: AGC Lab**

**Date: Sep.18, 2012**

**PCS 1900 Mid-Tilt-Left<SIM 1>**

**DUT: mobile phone; Type: AM206**

Communication System: Generic GSM; Communication System Band: PCS 1900; Duty Cycle: 1:8.3;  
Conv.F=6.42;Frequency: 1880 MHz; Medium parameters used:  $f = 1900$  MHz;  $\sigma = 1.42$  mho/m;  $\epsilon_r = 40.12$ ;  
 $\rho = 1000$  kg/m<sup>3</sup> ;

Phantom section: Left Section

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

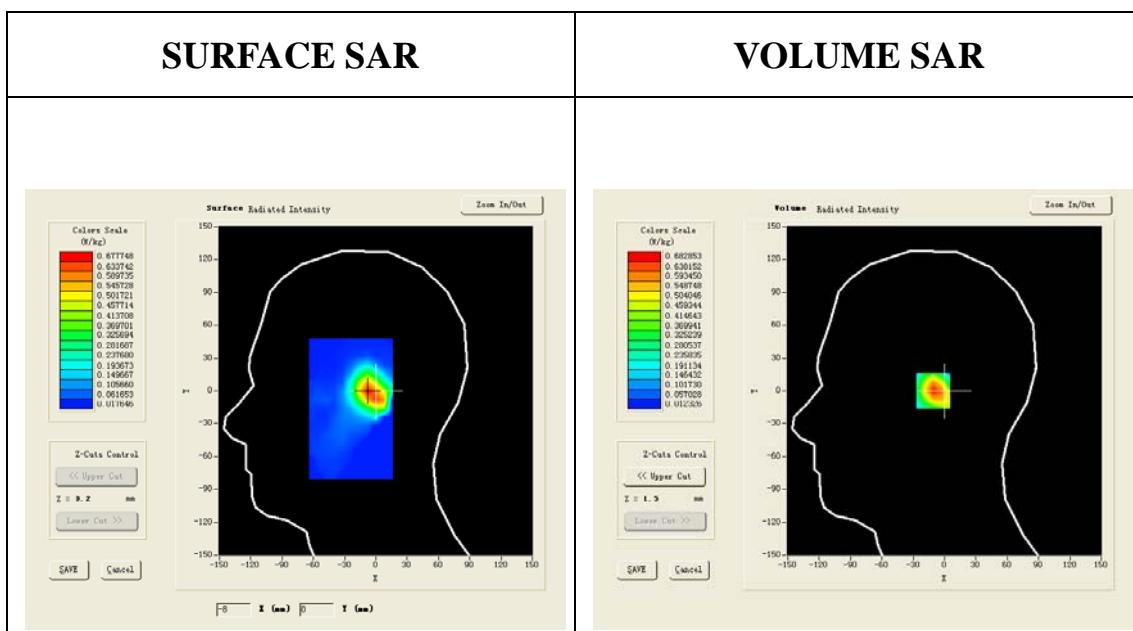
Satimo Configuration:

- Probe:SSE5; Calibrated: 12/09/2011
- 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**

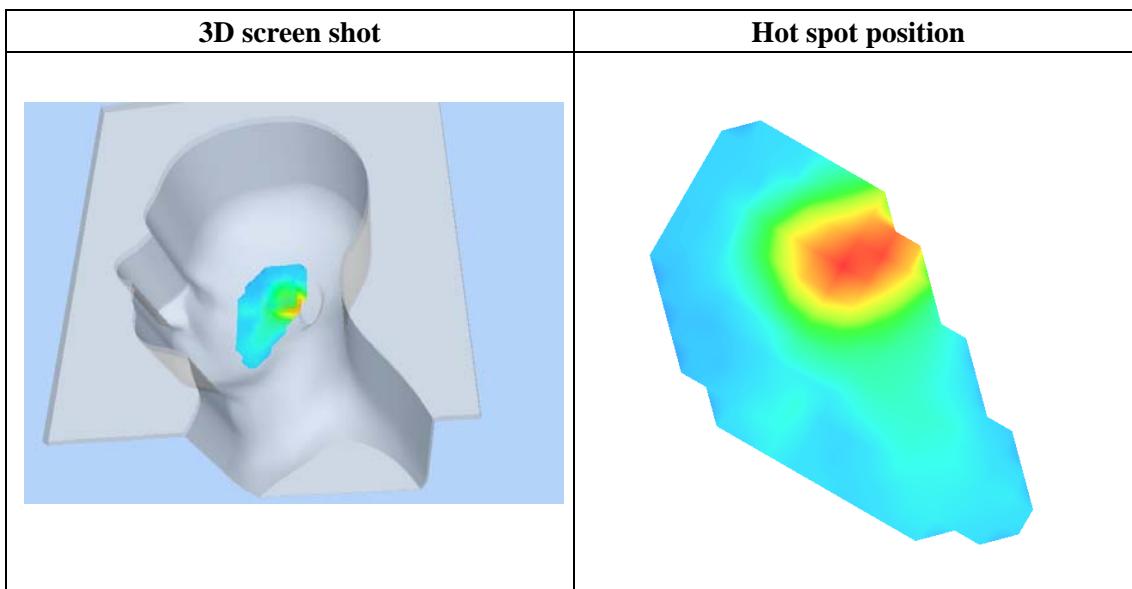
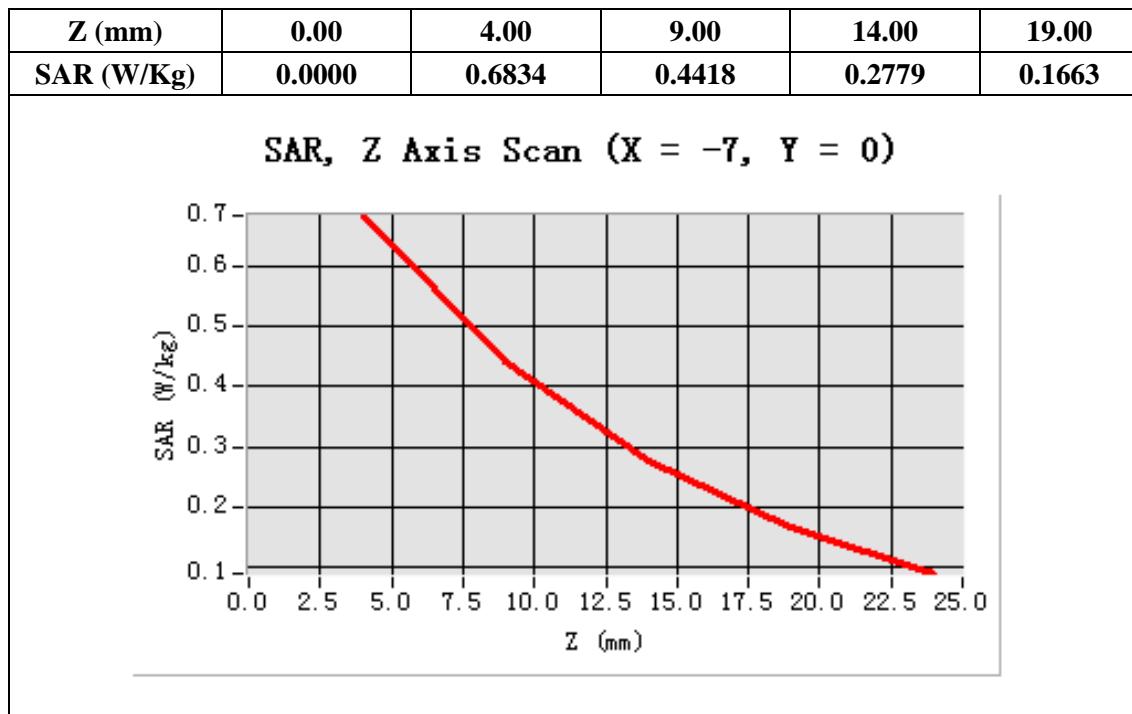
**Configuration/PCS1900 Mid Tilt-Left/Zoom Scan: Measurement grid: dx=8mm, dy=8mm, dz=5mm;**

<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>	GSM1900
<b>Channels</b>	Middle
<b>Signal</b>	TDMA (Crest factor: 8.0)



**Maximum location: X=-7.00, Y=0.00**

<b>SAR 10g (W/Kg)</b>	0.352477
<b>SAR 1g (W/Kg)</b>	0.632864



**Test Laboratory: AGC Lab**

**Date: Sep.18, 2012**

**PCS 1900 Mid-Touch- Right<SIM 1>**

**DUT: mobile phone; Type: AM206**

Communication System: Generic GSM; Communication System Band: PCS 1900; Duty Cycle: 1:8.3;  
Conv.F=6.42;Frequency: 1880 MHz; Medium parameters used:  $f = 1900$  MHz;  $\sigma = 1.42$  mho/m;  $\epsilon_r = 40.12$ ;  
 $\rho = 1000$  kg/m<sup>3</sup> ;

Phantom section: Right Section

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

Satimo Configuration:

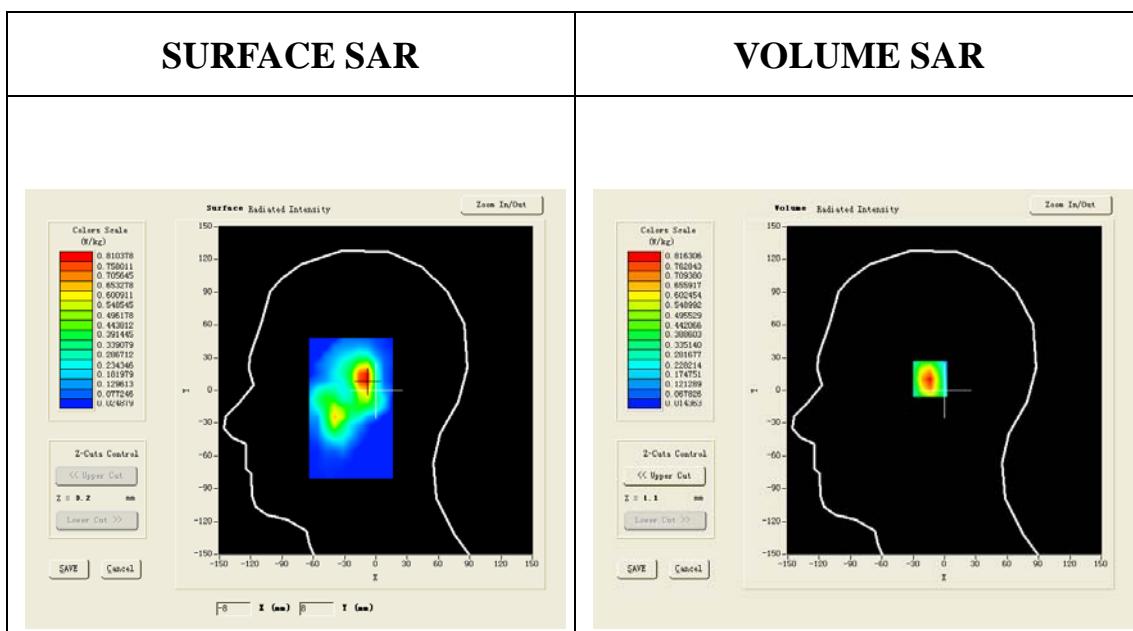
- Probe:SSE5; Calibrated: 12/09/2011
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Phantom: SAM1; Type: SAM
- Measurement SW: OpenSAR V4\_02\_01

**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>	GSM1900
<b>Channels</b>	Middle
<b>Signal</b>	TDMA (Crest factor: 8.0)

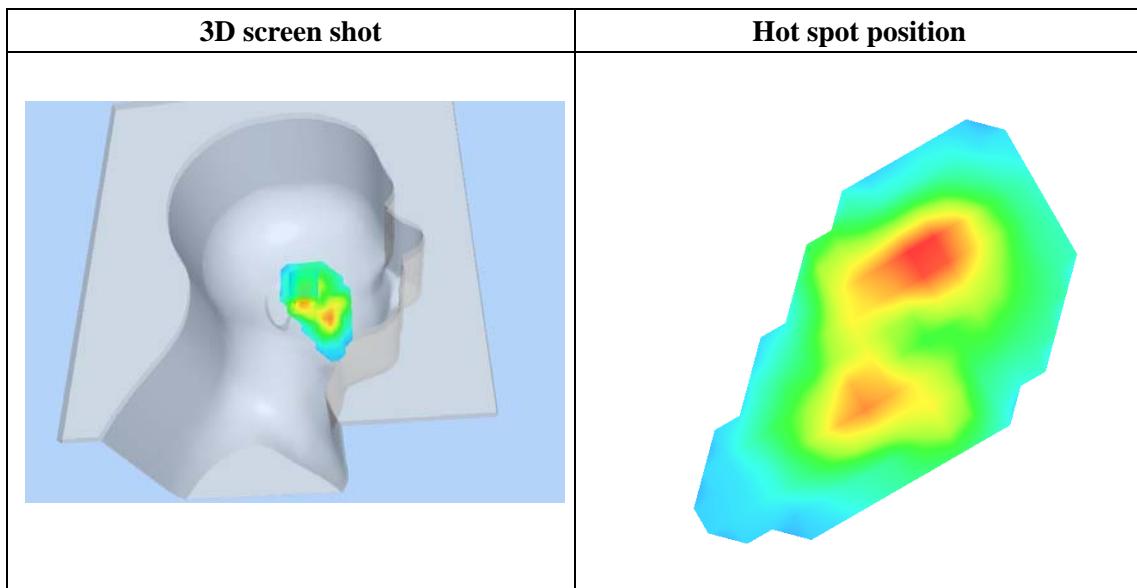
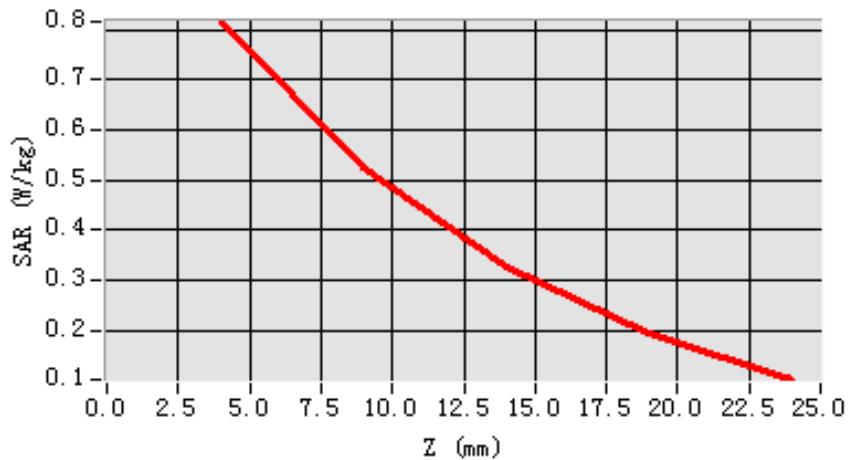


**Maximum location: X=-11.00, Y=11.00**

<b>SAR 10g (W/Kg)</b>	0.404394
<b>SAR 1g (W/Kg)</b>	0.754212

<b>Z (mm)</b>	<b>0.00</b>	<b>4.00</b>	<b>9.00</b>	<b>14.00</b>	<b>19.00</b>
<b>SAR (W/Kg)</b>	<b>0.0000</b>	<b>0.8135</b>	<b>0.5246</b>	<b>0.3276</b>	<b>0.1945</b>

**SAR, Z Axis Scan (X = -11, Y = 11)**



**Test Laboratory: AGC Lab**

**Date: Sep.18, 2012**

**PCS 1900 Mid-Tilt- Right<SIM 1>**

**DUT: mobile phone; Type: AM206**

Communication System: Generic GSM; Communication System Band: PCS 1900; Duty Cycle: 1:8.3;  
Conv.F=6.42; Frequency: 1880 MHz; Medium parameters used:  $f = 1900$  MHz;  $\sigma = 1.42$  mho/m;  $\epsilon_r = 40.12$ ;  
 $\rho = 1000$  kg/m<sup>3</sup> ;

Phantom section: Right Section

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

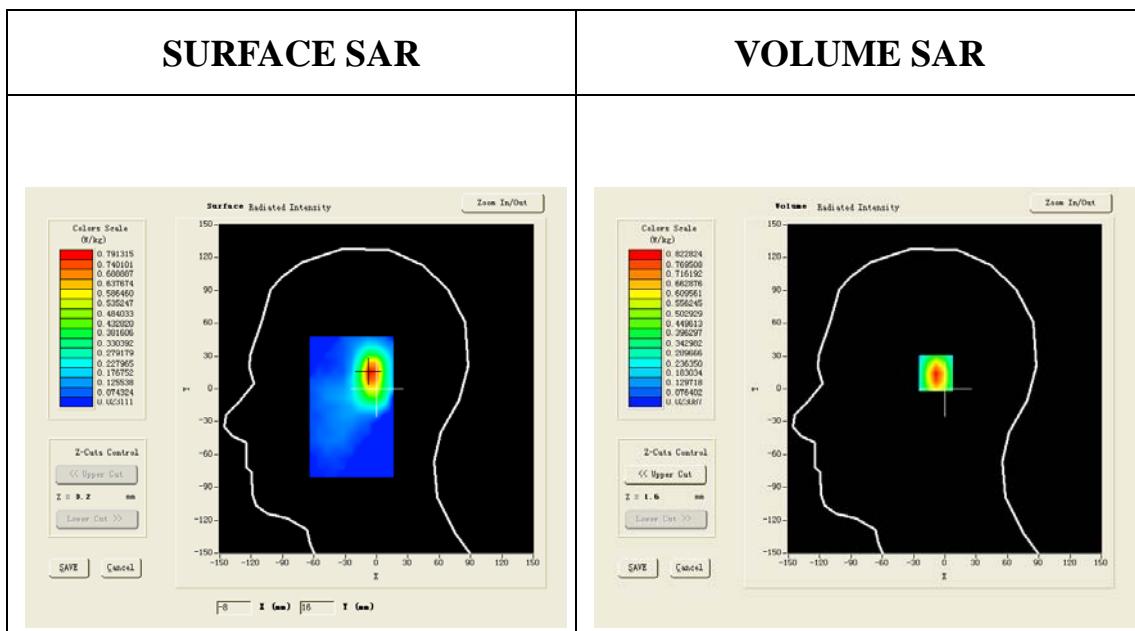
Satimo Configuration:

- Probe:SSE5; Calibrated: 12/09/2011
- 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>	GSM1900
<b>Channels</b>	Middle
<b>Signal</b>	TDMA (Crest factor: 8.0)

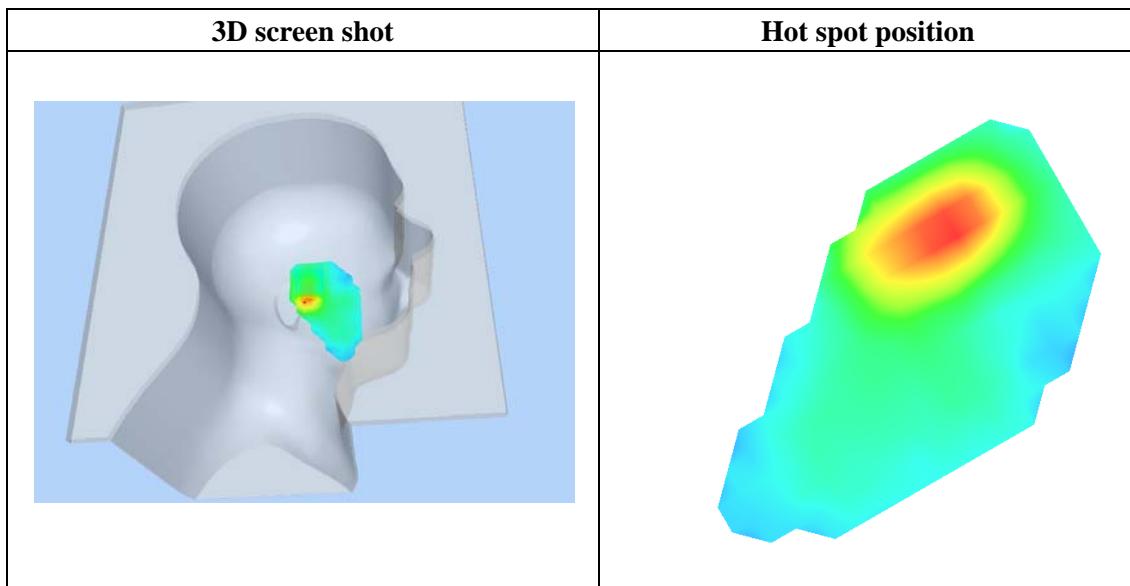
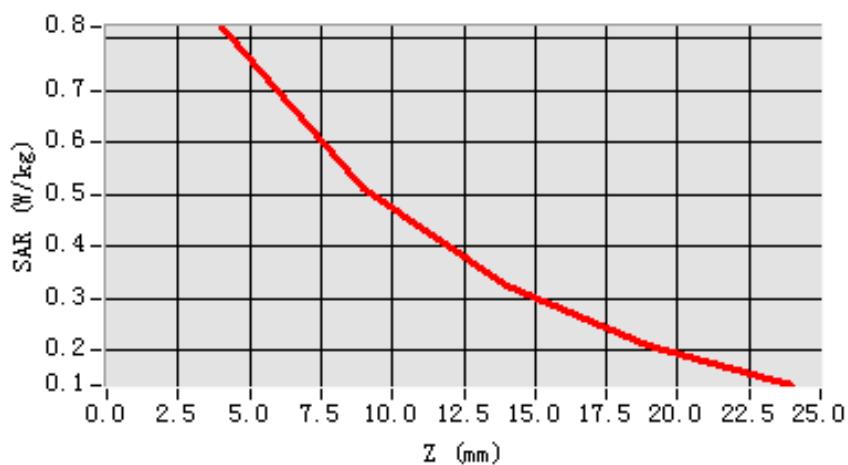


**Maximum location: X=-6.00, Y=15.00**

<b>SAR 10g (W/Kg)</b>	0.417475
<b>SAR 1g (W/Kg)</b>	0.761943

<b>Z (mm)</b>	0.00	4.00	9.00	14.00	19.00
<b>SAR (W/Kg)</b>	0.0000	0.8223	0.5119	0.3220	0.2046

**SAR, Z Axis Scan (X = -6, Y = 15)**



**Test Laboratory: AGC Lab**

**Date: Sep.18, 2012**

**PCS 1900 Mid-Tilt-Right<SIM 2>**

**DUT: mobile phone; Type: AM206**

Communication System: Generic GSM; Communication System Band: PCS 1900; Duty Cycle: 1:8.3;  
Conv.F=6.42; Frequency: 1880 MHz; Medium parameters used:  $f = 1900$  MHz;  $\sigma = 1.42$  mho/m;  $\epsilon_r = 40.12$ ;  
 $\rho = 1000$  kg/m<sup>3</sup> ;

Phantom section: Right Section

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

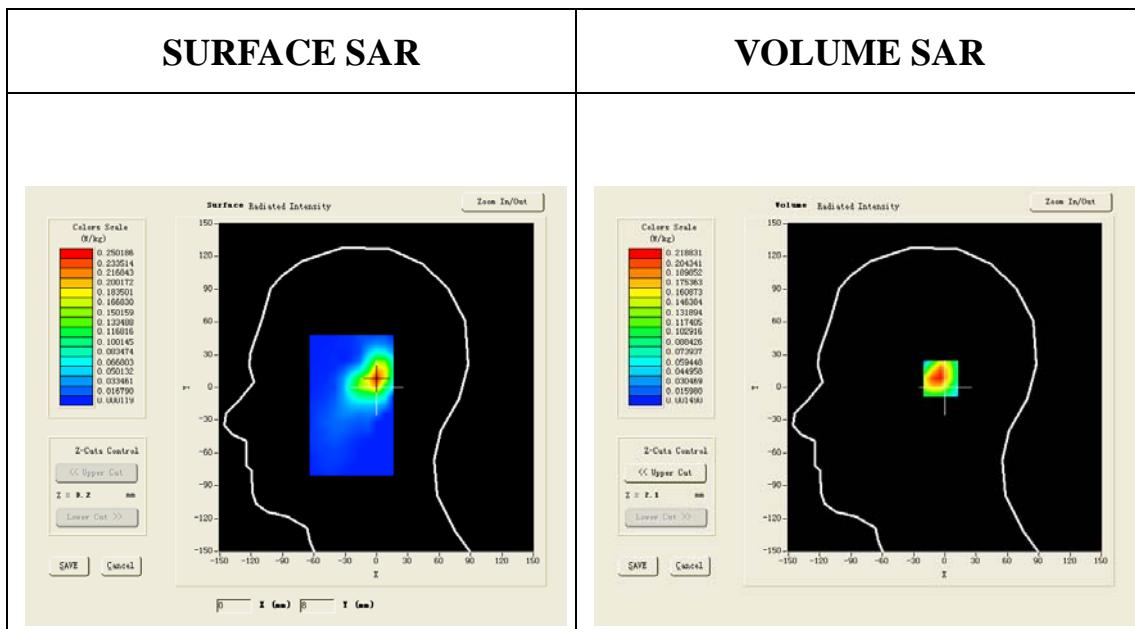
Satimo Configuration:

- Probe:SSE5; Calibrated: 12/09/2011
- 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>	GSM1900
<b>Channels</b>	Middle
<b>Signal</b>	TDMA (Crest factor: 8.0)

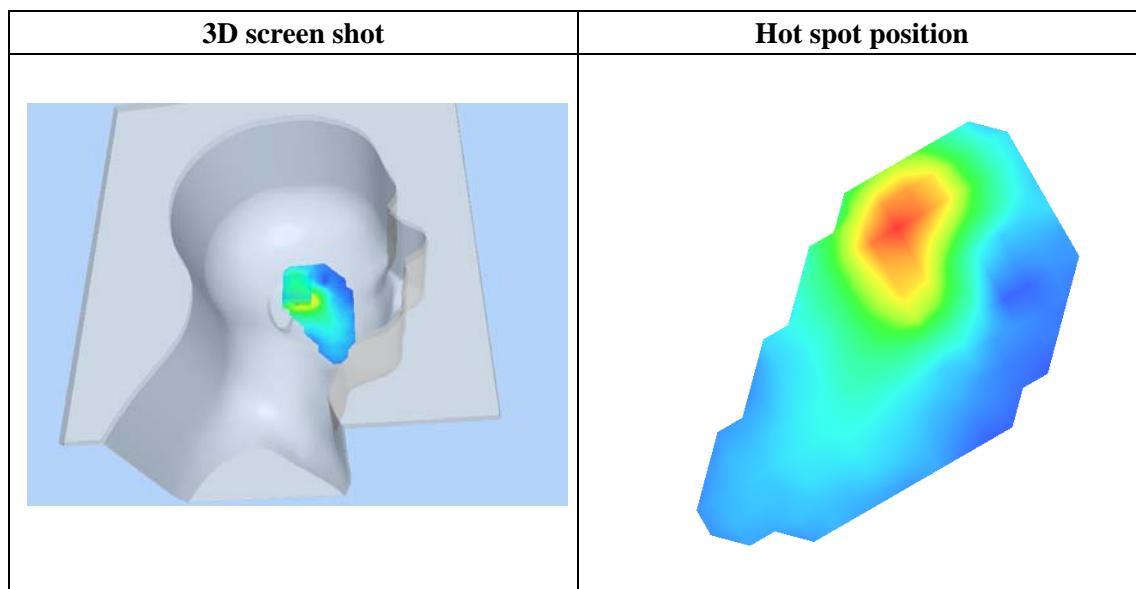
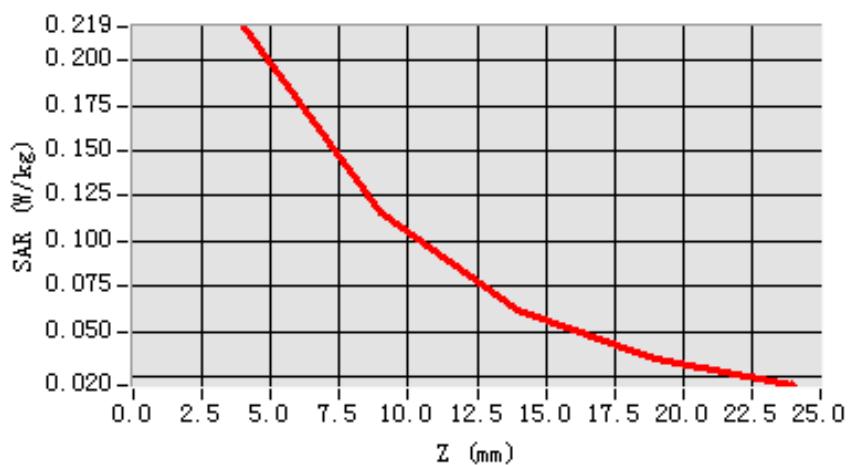


**Maximum location: X=0.00, Y=8.00**

<b>SAR 10g (W/Kg)</b>	0.107795
<b>SAR 1g (W/Kg)</b>	0.208135

<b>Z (mm)</b>	<b>0.00</b>	<b>4.00</b>	<b>9.00</b>	<b>14.00</b>	<b>19.00</b>
<b>SAR (W/Kg)</b>	<b>0.0000</b>	<b>0.2191</b>	<b>0.1166</b>	<b>0.0635</b>	<b>0.0361</b>

**SAR, Z Axis Scan (X = 0, Y = 8)**



**Test Laboratory: AGC Lab**

**Date: Sep.18, 2012**

**PCS 1900 Mid-Body- Back(MS) <SIM 1>**

**DUT: mobile phone; Type: AM206**

Communication System: Generic GSM; Communication System Band: PCS 1900; Duty Cycle: 1:8.3;  
Conv.F=6.42;Frequency: 1880 MHz; Medium parameters used:  $f = 1900$  MHz;  $\sigma = 1.49$  mho/m;  $\epsilon_r = 53.36$ ;  
 $\rho = 1000$  kg/m<sup>3</sup> ;

Phantom section: Flat Section

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

Satimo Configuration:

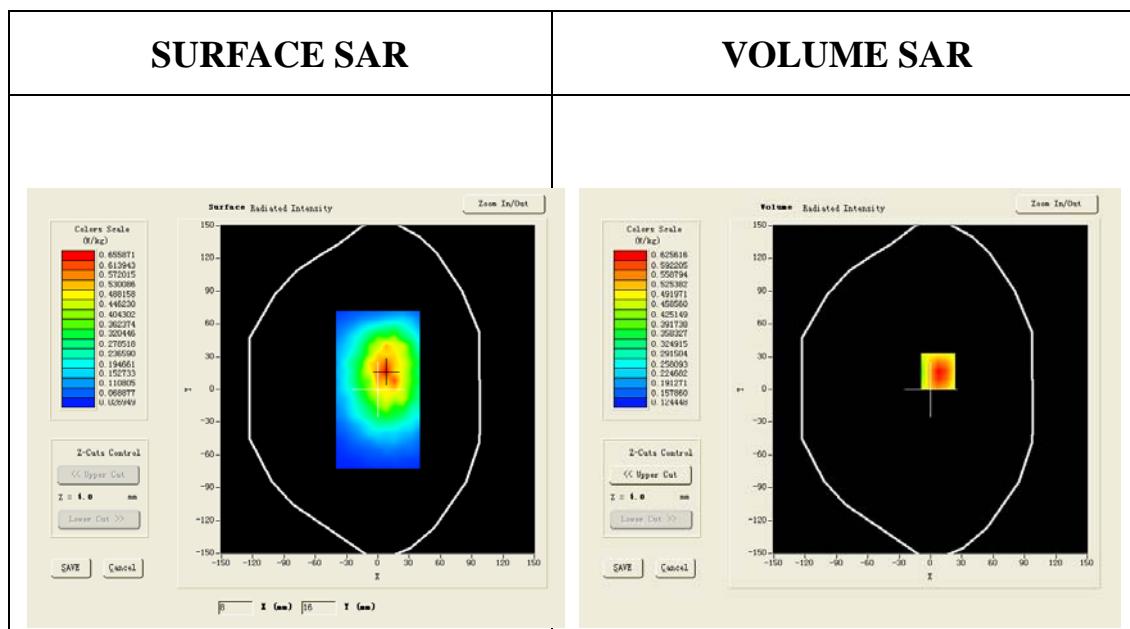
- Probe:SSE5; Calibrated: 12/09/2011
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Phantom: SAM1; Type: SAM
- Measurement SW: OpenSAR V4\_02\_01

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

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

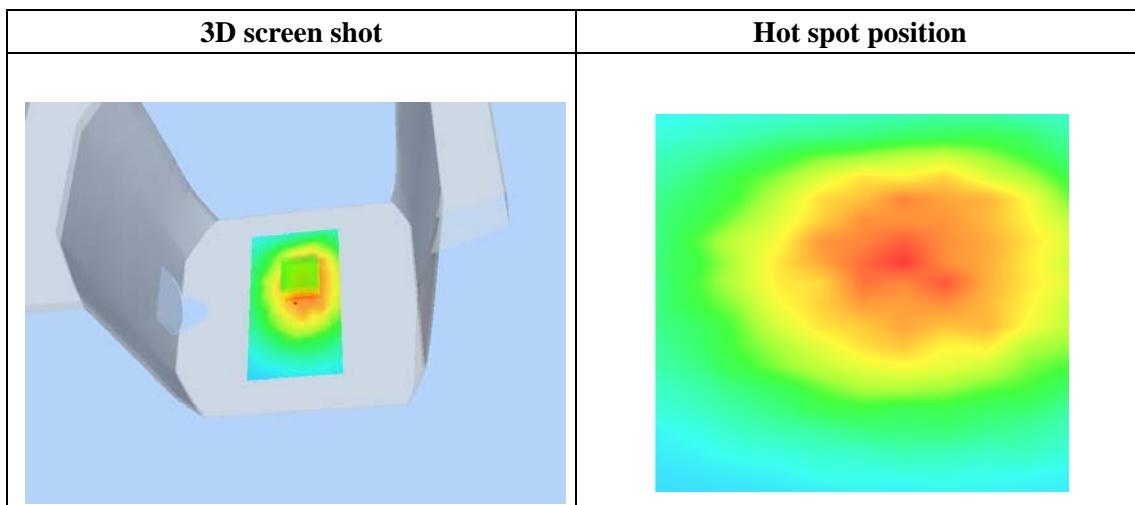
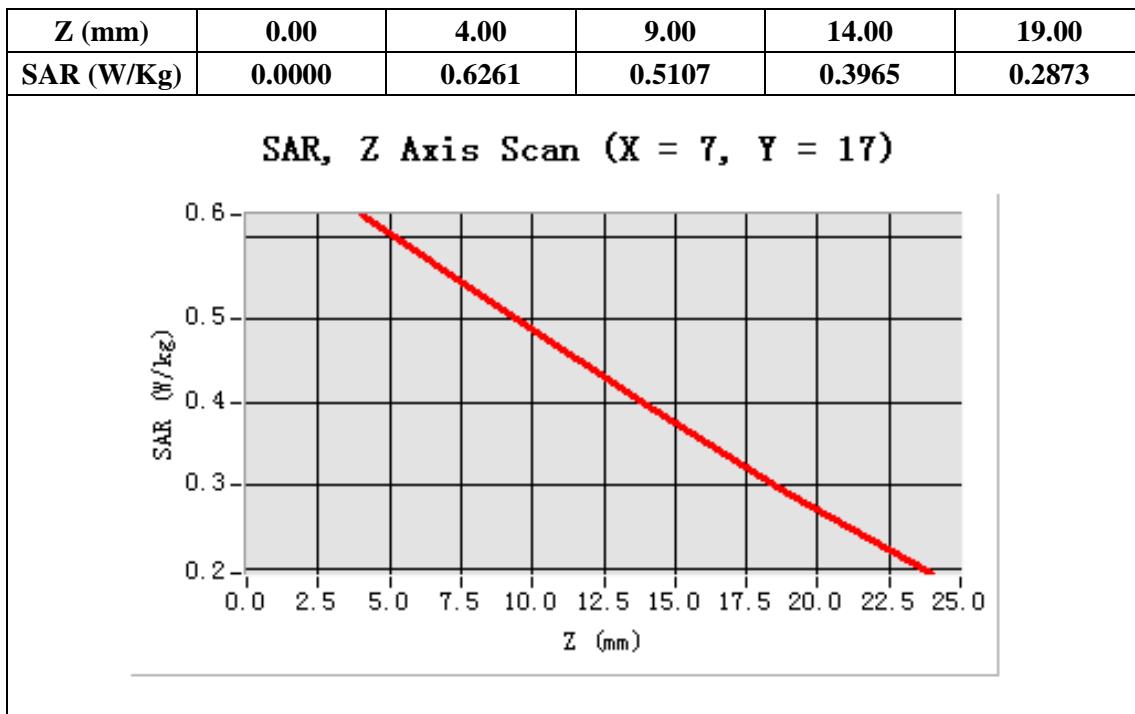
**dy=8mm, dz=5mm;**

<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
<b>Band</b>	GSM1900
<b>Channels</b>	Middle
<b>Signal</b>	TDMA (Crest factor: 8.0)



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

<b>SAR 10g (W/Kg)</b>	0.464233
<b>SAR 1g (W/Kg)</b>	0.647356



**Test Laboratory: AGC Lab**

**Date: Sep.18, 2012**

**PCS 1900 Mid-Body- Back (2up) <SIM 1>**

**DUT: mobile phone; Type: AM206**

Communication System: GPRS-2 Slot; Communication System Band: PCS1900; Duty Cycle: 1:4.2 ; Conv.F=6.42; Frequency: 1880 MHz; Medium parameters used:  $f = 1900$  MHz;  $\sigma = 1.49$  mho/m;  $\epsilon_r = 53.36$ ;  $\rho = 1000$  kg/m<sup>3</sup> ;

Phantom section: Flat Section

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

Satimo Configuration:

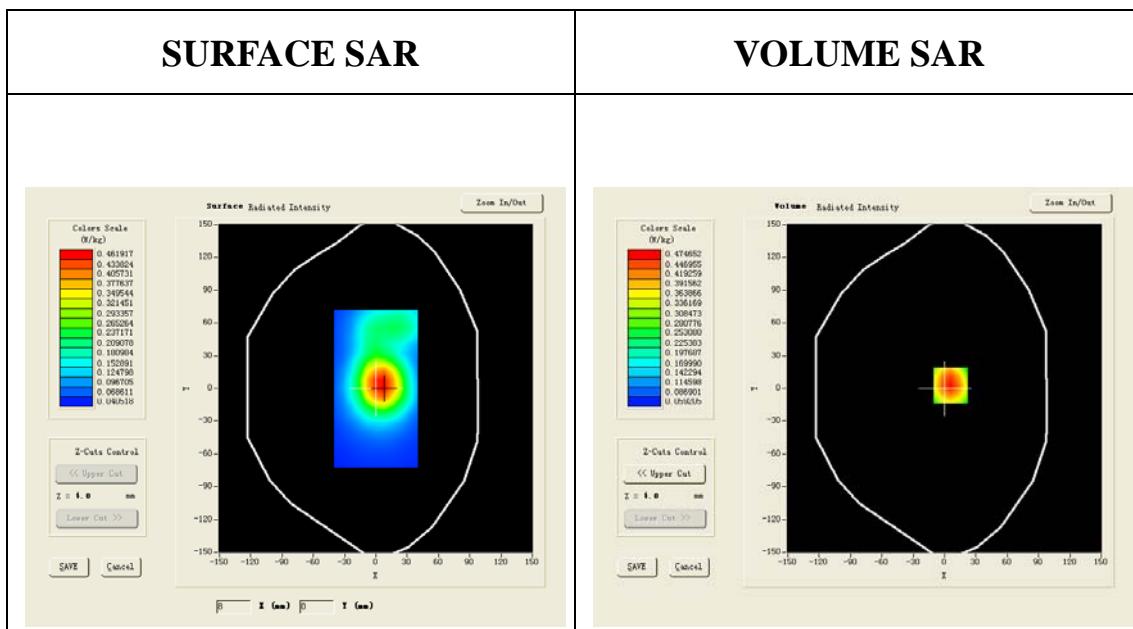
- Probe:SSE5; Calibrated: 12/09/2011
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Phantom: SAM1; Type: SAM
- Measurement SW: OpenSAR V4\_02\_01

**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
<b>Band</b>	GSM1900
<b>Channels</b>	Middle
<b>Signal</b>	TDMA (Crest factor: 4.0)

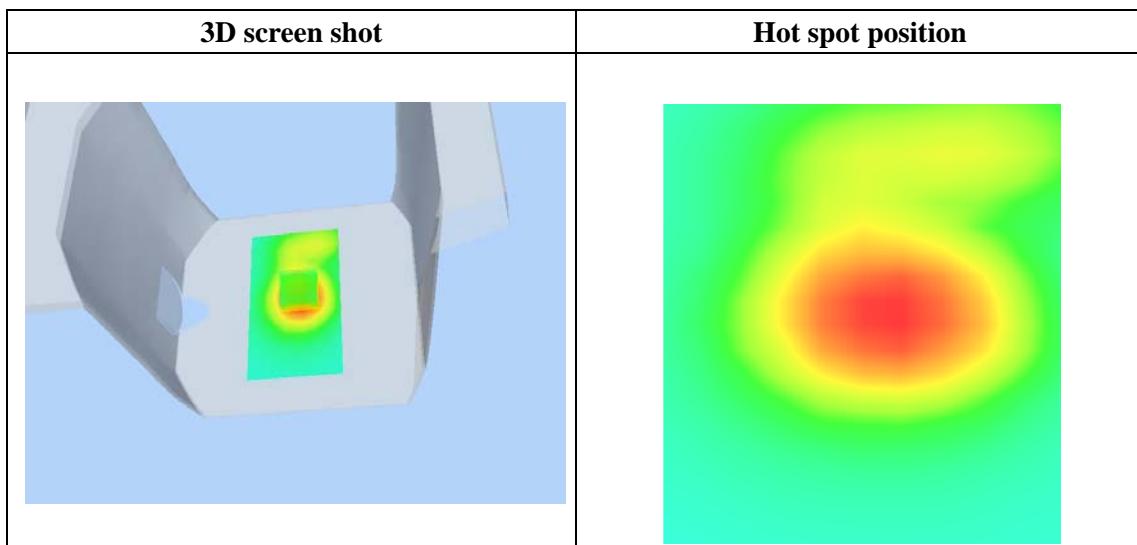
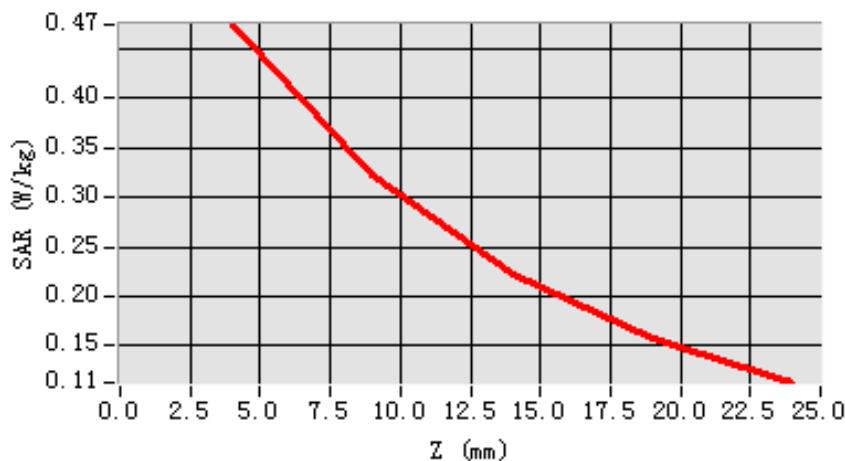


**Maximum location: X=6.00, Y=3.00**

<b>SAR 10g (W/Kg)</b>	0.292218
<b>SAR 1g (W/Kg)</b>	0.450462

<b>Z (mm)</b>	<b>0.00</b>	<b>4.00</b>	<b>9.00</b>	<b>14.00</b>	<b>19.00</b>
<b>SAR (W/Kg)</b>	<b>0.0000</b>	<b>0.4724</b>	<b>0.3235</b>	<b>0.2215</b>	<b>0.1572</b>

**SAR, Z Axis Scan (X = 6, Y = 3)**



**Test Laboratory: AGC Lab**

**Date: Sep.18, 2012**

**PCS 1900 Mid-Body -Front (MS) <SIM 1>**

**DUT: mobile phone; Type: AM206**

Communication System: Generic GSM; Communication System Band: PCS1900; Duty Cycle: 1:8.3;  
Conv.F=6.42; Frequency: 1880 MHz; Medium parameters used:  $f = 1900$  MHz;  $\sigma = 1.49$  mho/m;  $\epsilon_r = 53.36$ ;  
 $\rho = 1000$  kg/m<sup>3</sup> ;

Phantom section: Flat Section

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

Satimo Configuration:

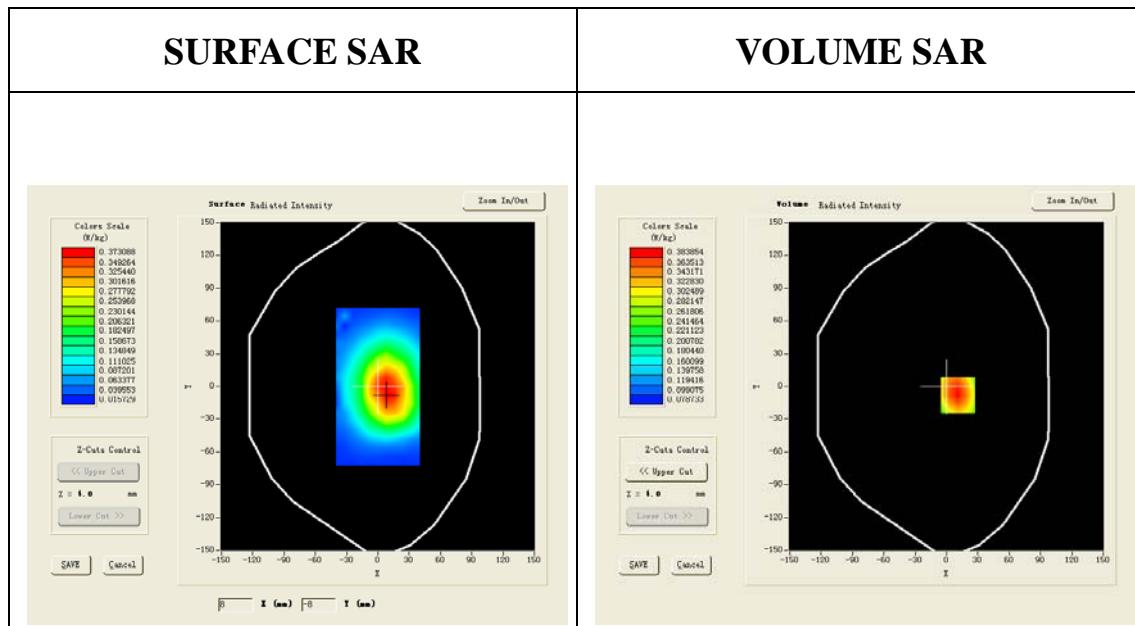
- Probe:SSE5; Calibrated: 12/09/2011
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Phantom: SAM1; Type: SAM
- Measurement SW: OpenSAR V4\_02\_01

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

**Configuration/GPRS1900 Mid Body-Front/Zoom Scan: Measurement grid: dx=8mm,**

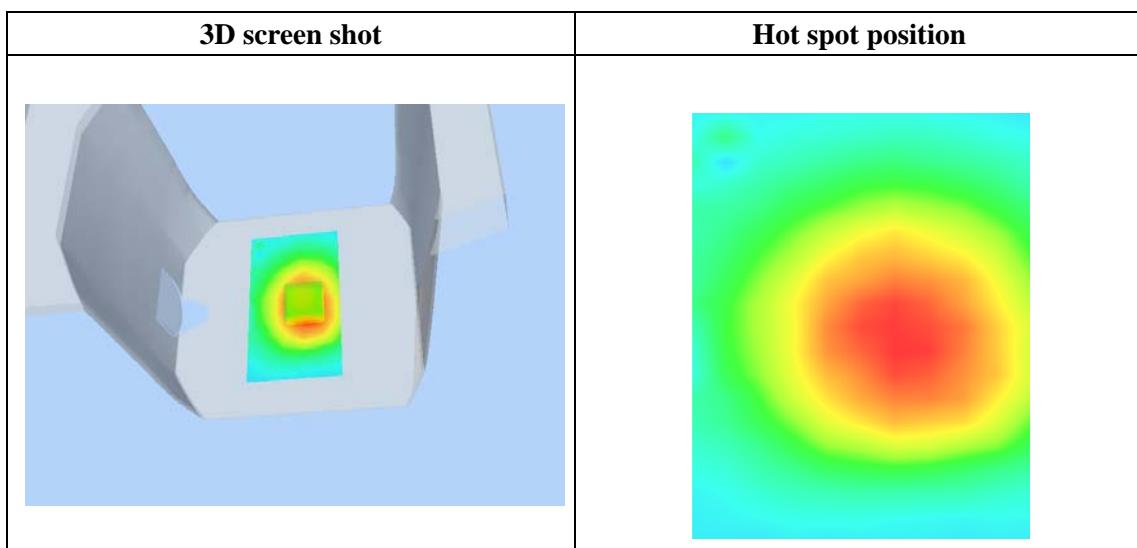
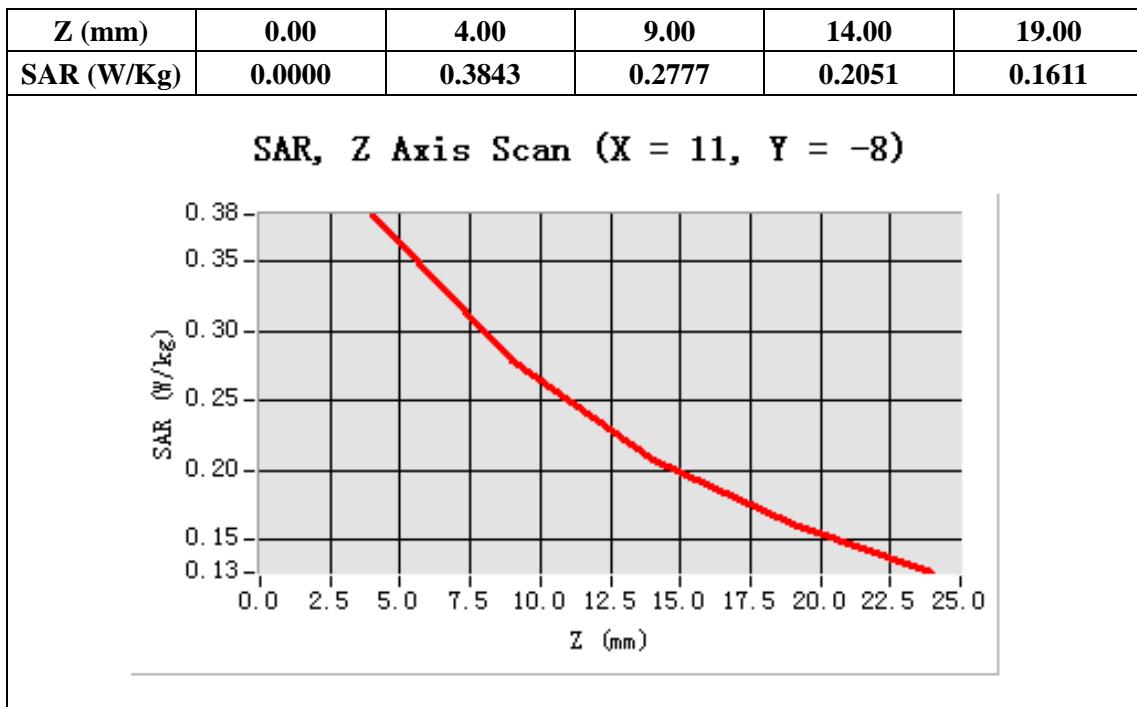
**dy=8mm, dz=5m;**

<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
<b>Band</b>	GSM1900
<b>Channels</b>	Middle
<b>Signal</b>	TDMA (Crest factor: 8.0)



**Maximum location: X=11.00, Y=-8.00**

<b>SAR 10g (W/Kg)</b>	0.258245
<b>SAR 1g (W/Kg)</b>	0.367153



**Test Laboratory: AGC Lab**

**Date: Sep.18, 2012**

**PCS 1900 Mid-Body- Back (with earphone) <SIM 1>**

**DUT: mobile phone; Type: AM206**

Communication System: Generic GSM; Communication System Band: PCS1900; Duty Cycle: 1:8.3 ; Conv.F=6.42; Frequency: 1880 MHz; Medium parameters used:  $f = 1900$  MHz;  $1.49$  mho/m;  $\epsilon_r = 53.36$ ;  $\rho = 1000$  kg/m<sup>3</sup> ;

Phantom section: Flat Section

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

Satimo Configuration:

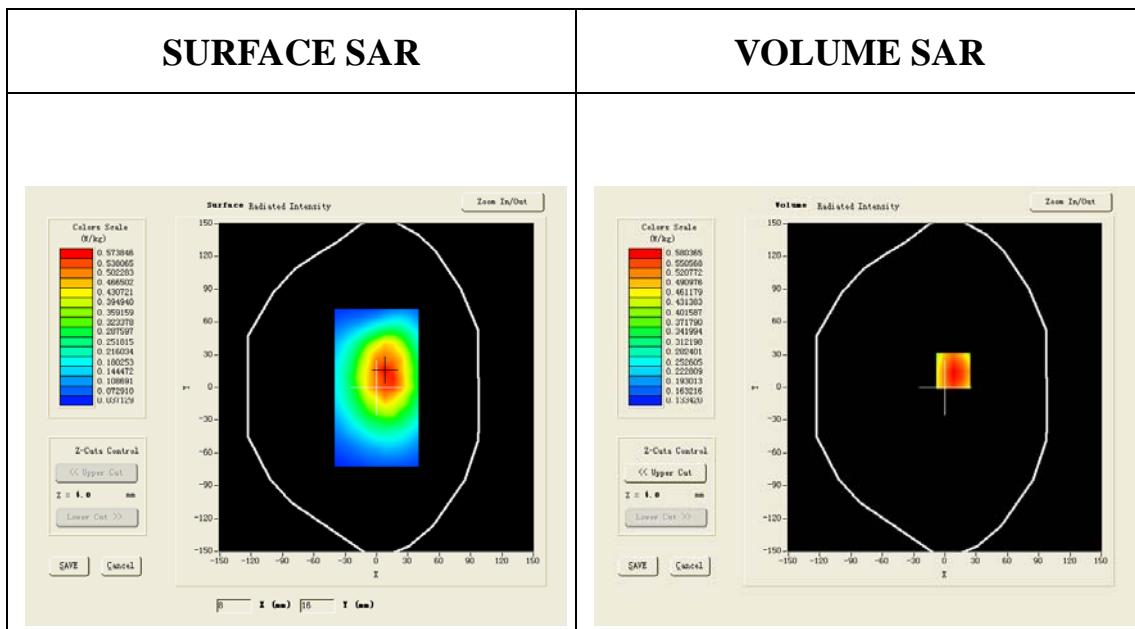
- Probe:SSE5; Calibrated: 12/09/2011
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Phantom: SAM1; Type: SAM
- Measurement SW: OpenSAR V4\_02\_01

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

**Configuration/GPRS1900 Mid Body-Back/Zoom Scan: Measurement grid: dx=8mm,**

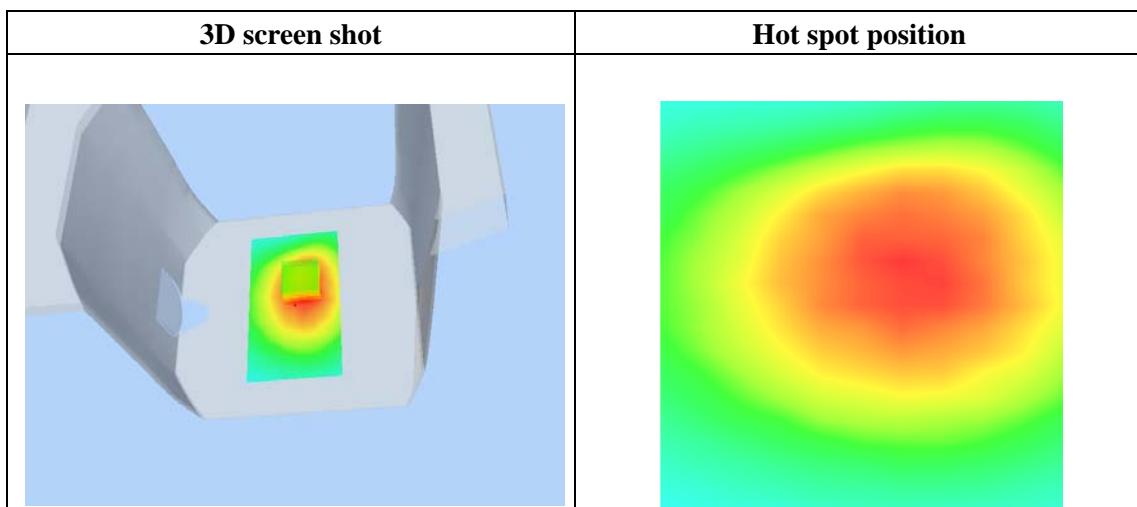
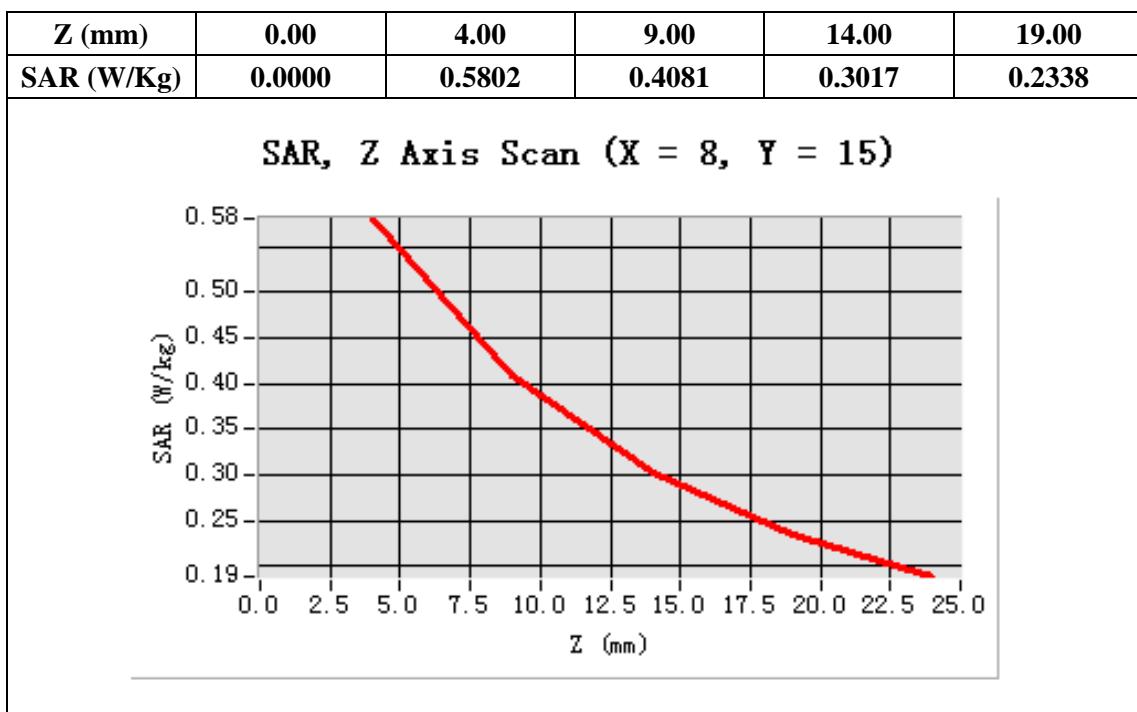
**dy=8mm, dz=5m;**

<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
<b>Band</b>	GSM1900
<b>Channels</b>	Middle
<b>Signal</b>	TDMA (Crest factor: 8.0)



**Maximum location: X=8.00, Y=15.00**

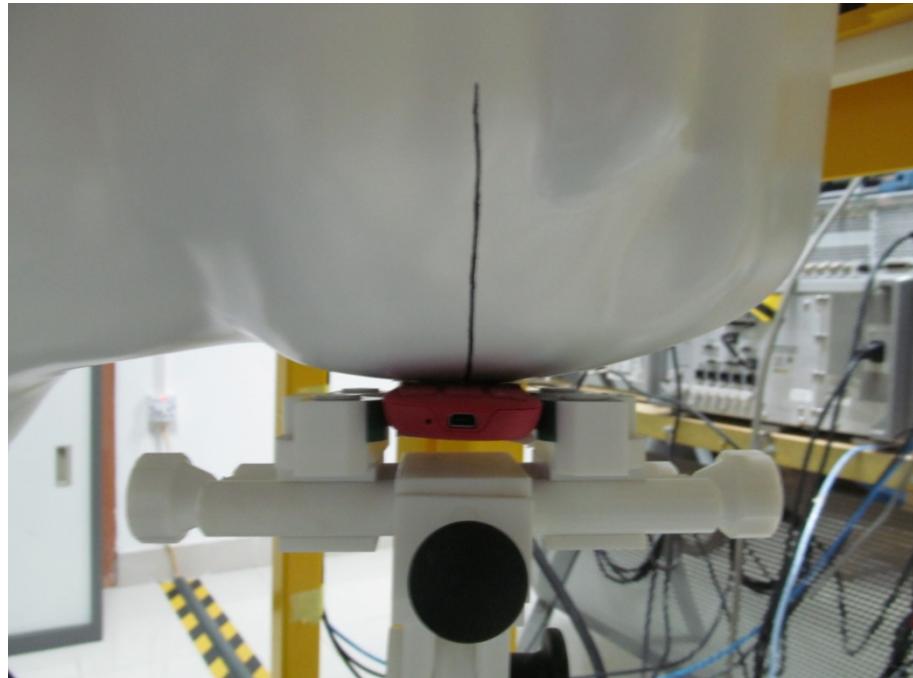
<b>SAR 10g (W/Kg)</b>	0.426758
<b>SAR 1g (W/Kg)</b>	0.602012



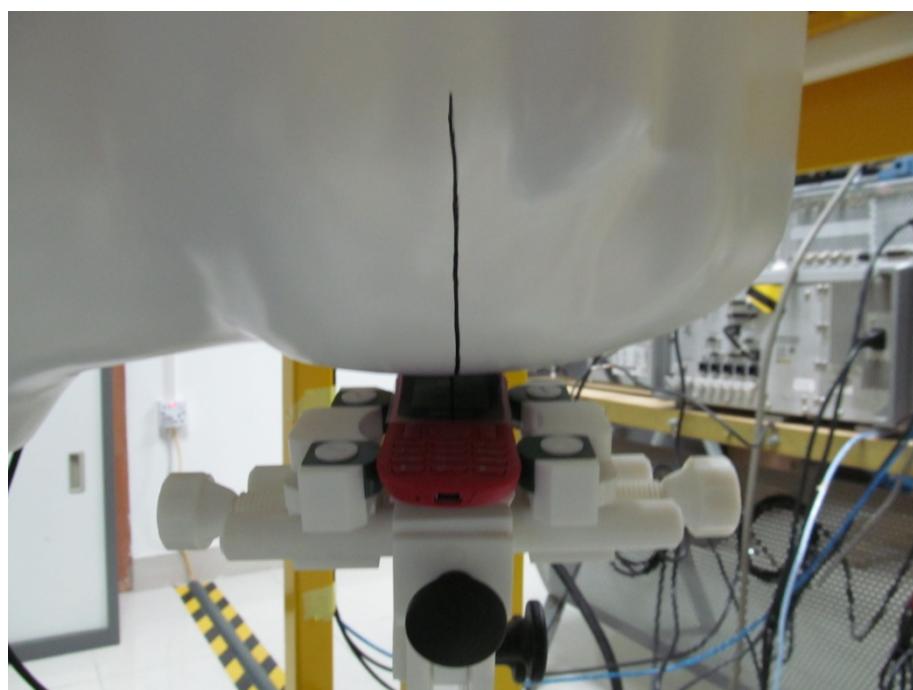
## Appendix C. TEST SETUP PHOTOGRAPHS & EUT PHOTOGRAPHS

### Test Setup Photographs

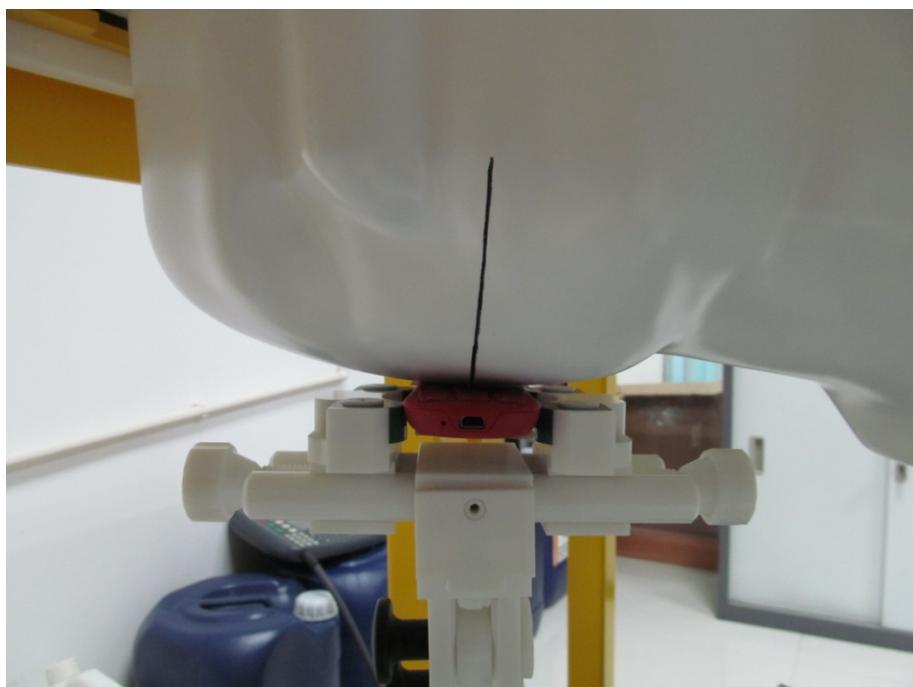
LEFT-CHECK TOUCH



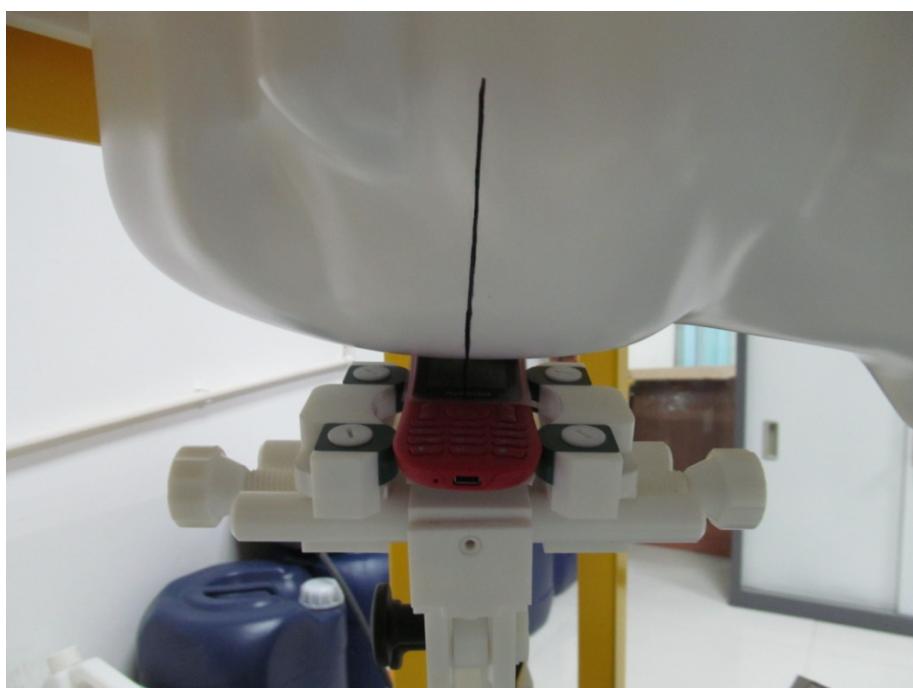
LEFT-TILT 15<sup>0</sup>



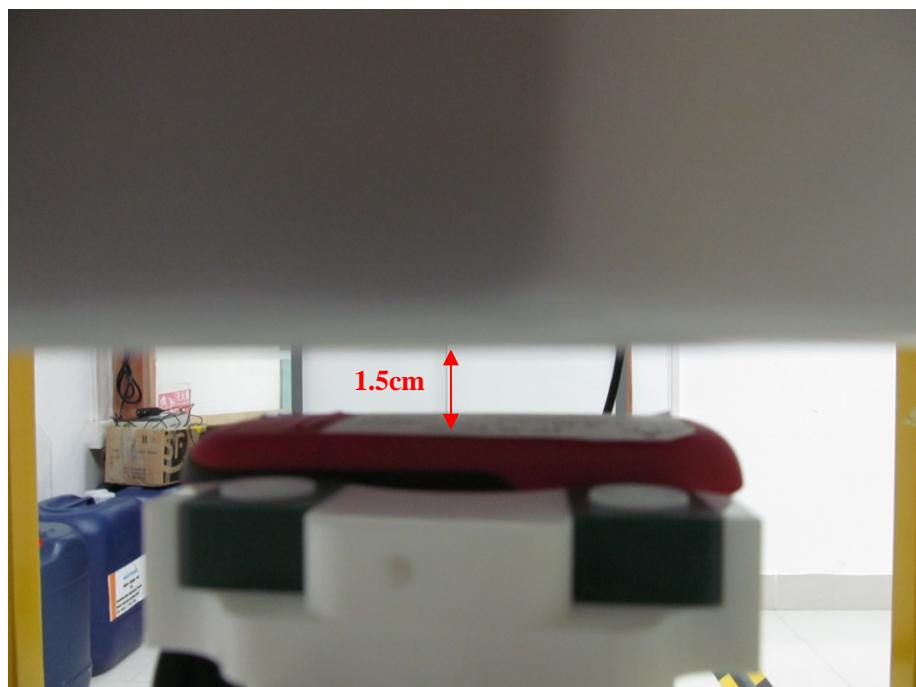
RIGHT-CHECK TOUCH



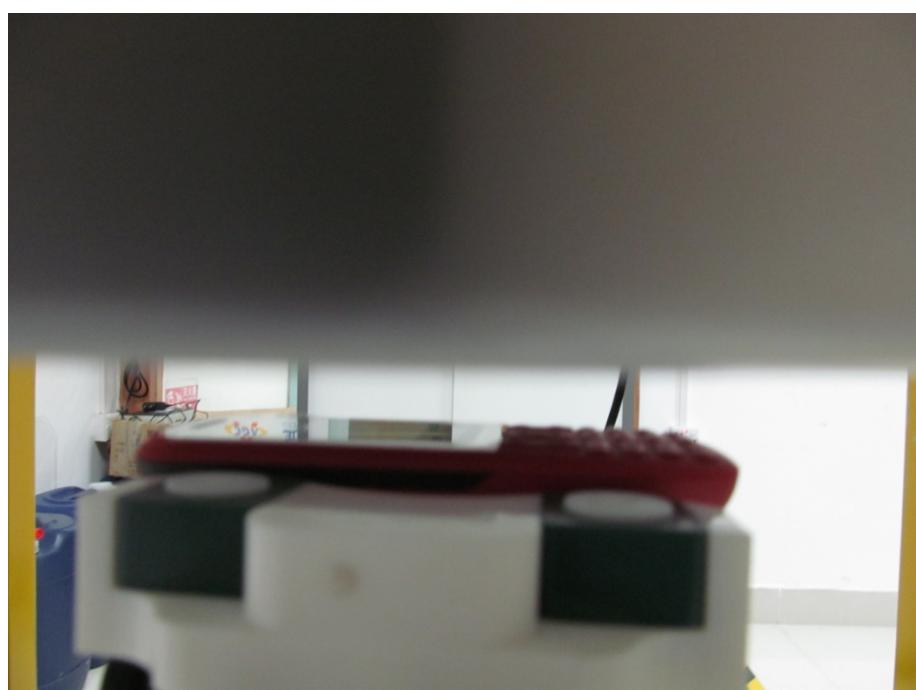
RIGHT-TILT 15°



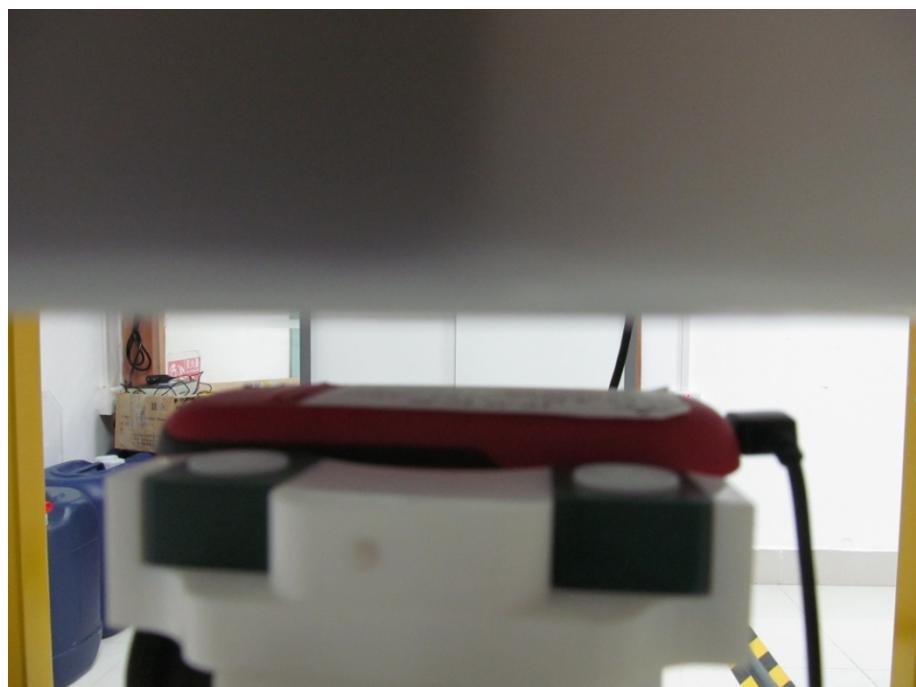
Body Back15mm



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 PHOTOGRAPS**

TOP VIEW OF EUT



BOTTOM VIEW OF EUT



FRONT VIEW OF EUT



BACK VIEW OF EUT

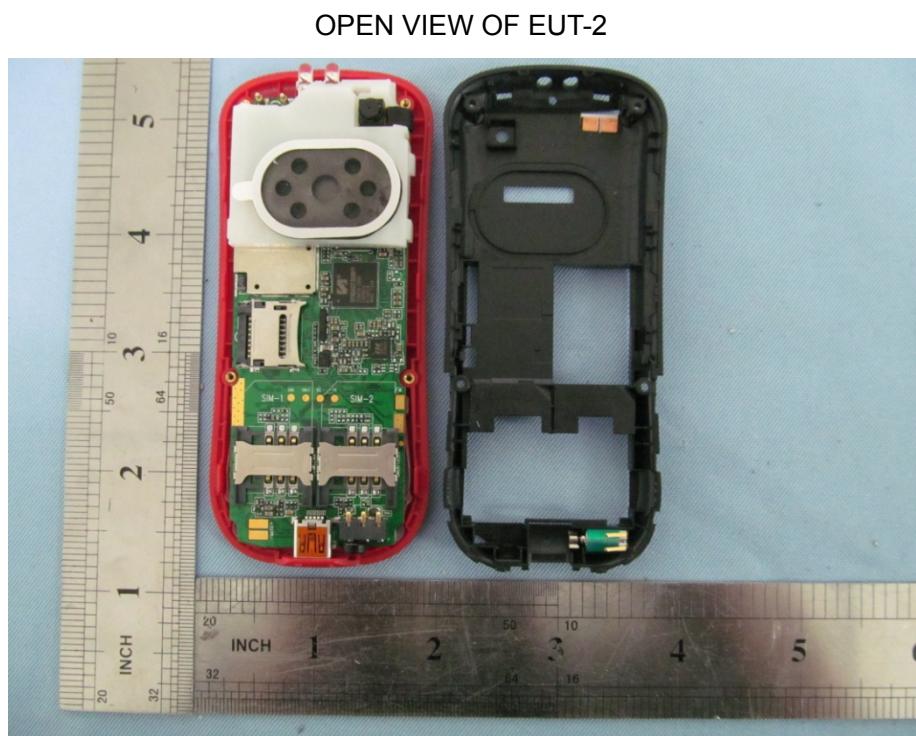
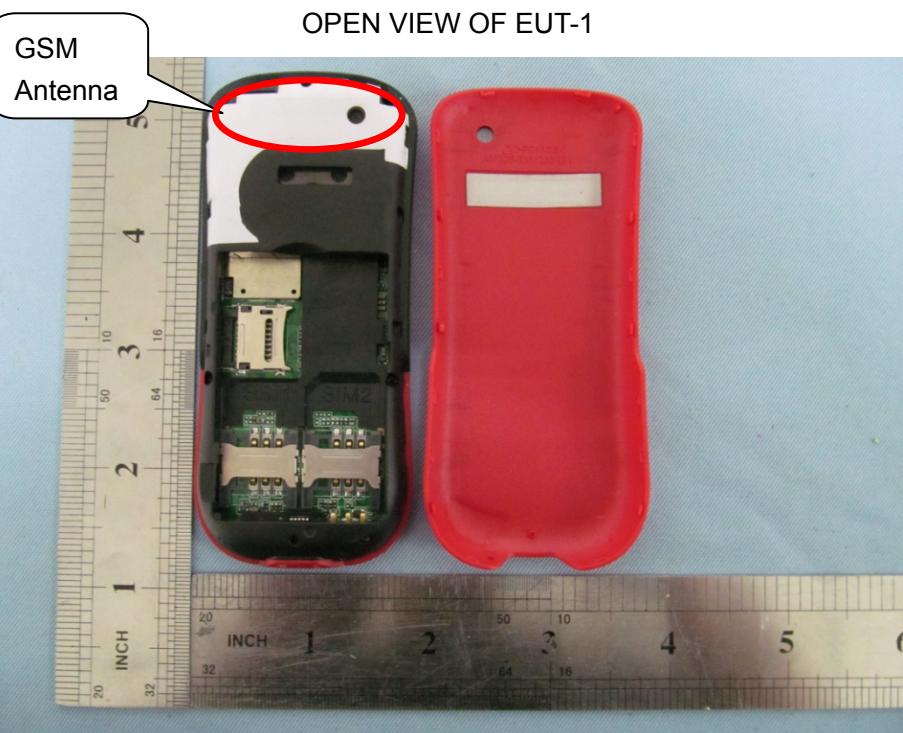


LEFT VIEW OF EUT



RIGHT VIEW OF EUT

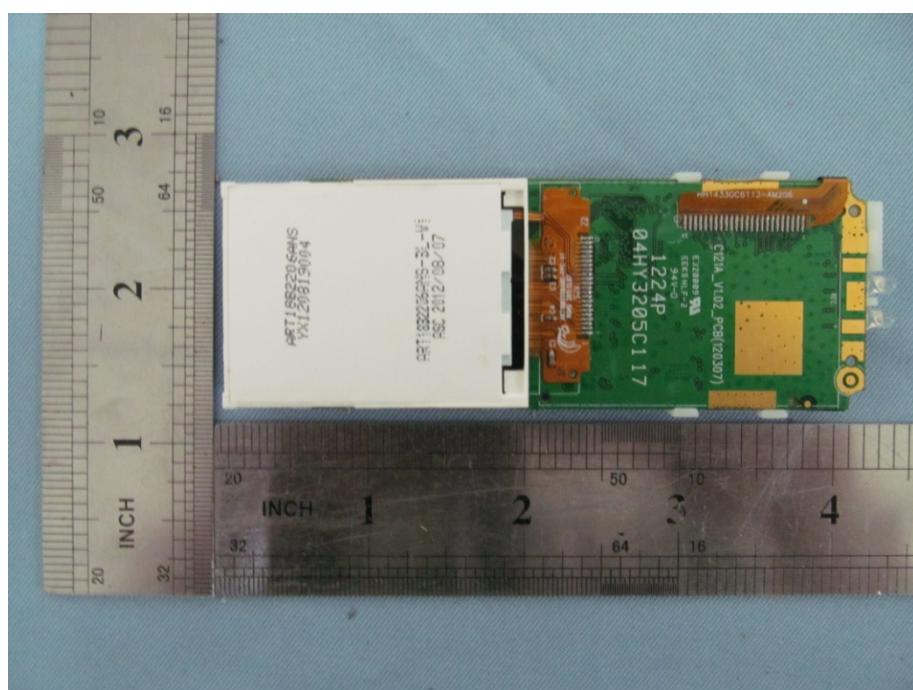




OPEN VIEW OF EUT-3



INTERNAL VIEW OF EUT-1



INTERNAL VIEW OF EUT-2

