

Test Laboratory: AGC Lab

Date: Aug. 14,2012

PCS 1900 Mid-Touch- Left<SIM 1>

DUT: mobile phone; Type: AM507

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; $\sigma = 1.39$ mho/m; $\epsilon_r = 39.90$;

$\rho = 1000$ kg/m³ ;

Phantom section: Left Section

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

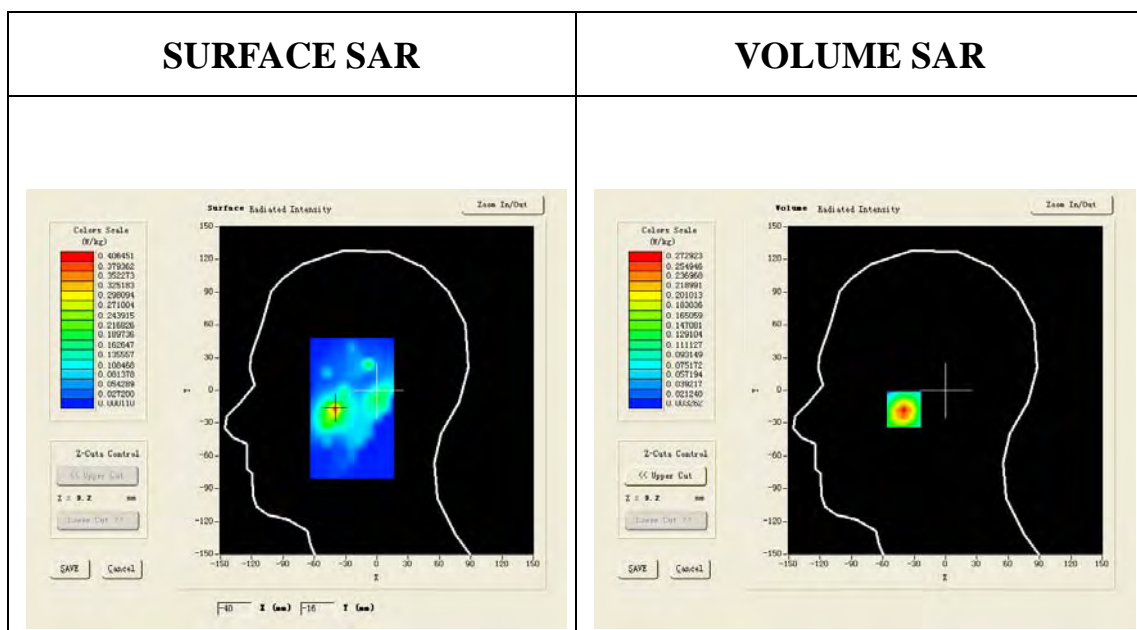
Satimo Configuration:

- 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;

Area Scan	sam_direct_droit2_surf8mm.txt
ZoomScan	5x5x7,dx=8mm dy=8mm dz=5mm,Very fast
Phantom	Left head
Device Position	Cheek
Band	GSM1900
Channels	Middle
Signal	TDMA (Crest factor: 8.0)

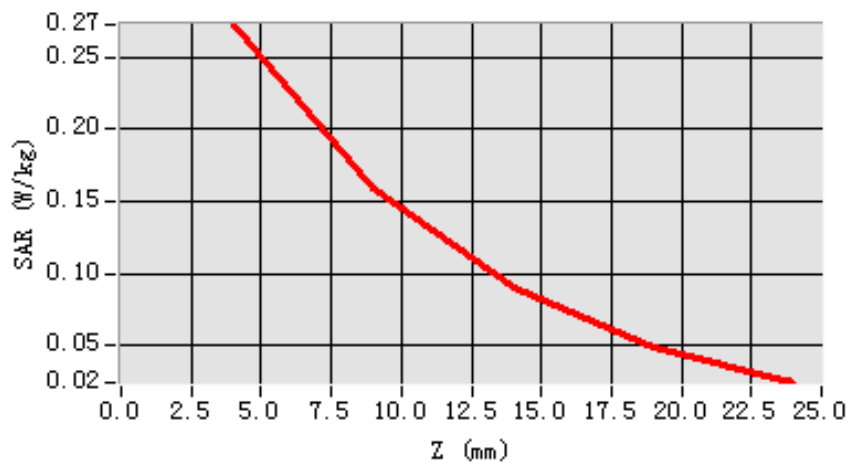


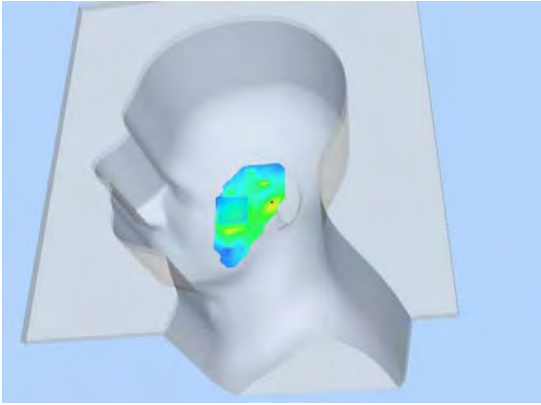
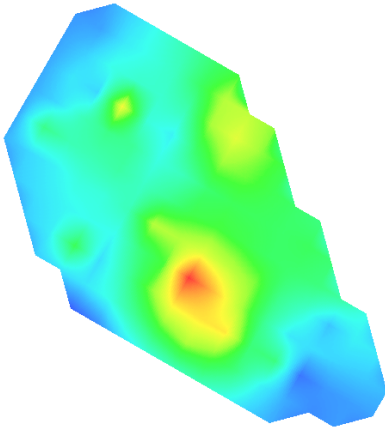
Maximum location: X=-40.00, Y=-17.00

SAR 10g (W/Kg)	0.127535
SAR 1g (W/Kg)	0.251055

Z (mm)	0.00	4.00	9.00	14.00	19.00
SAR (W/Kg)	0.0000	0.2729	0.1586	0.0895	0.0492

SAR, Z Axis Scan (X = -40, Y = -17)



3D screen shot	Hot spot position
	

Test Laboratory: AGC Lab

Date: Aug. 14,2012

PCS 1900 Mid-Tilt-Left<SIM 1>

DUT: mobile phone; Type: AM507

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; $\sigma = 1.39$ mho/m; $\epsilon_r = 39.90$;

$\rho = 1000$ kg/m³ ;

Phantom section: Left Section

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

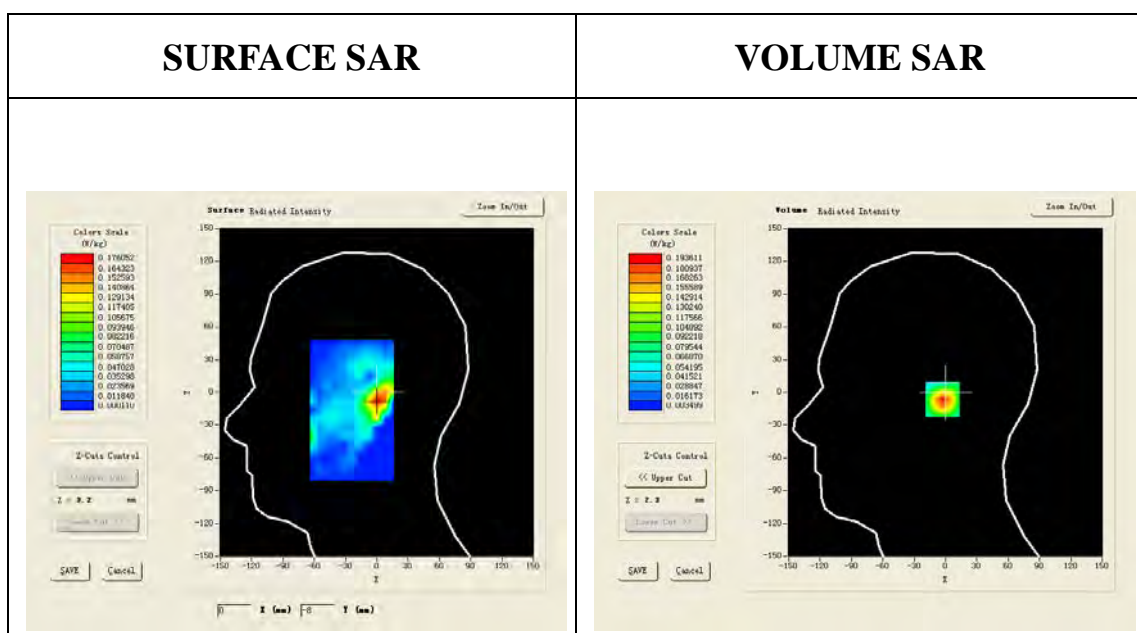
Satimo Configuration:

- 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;

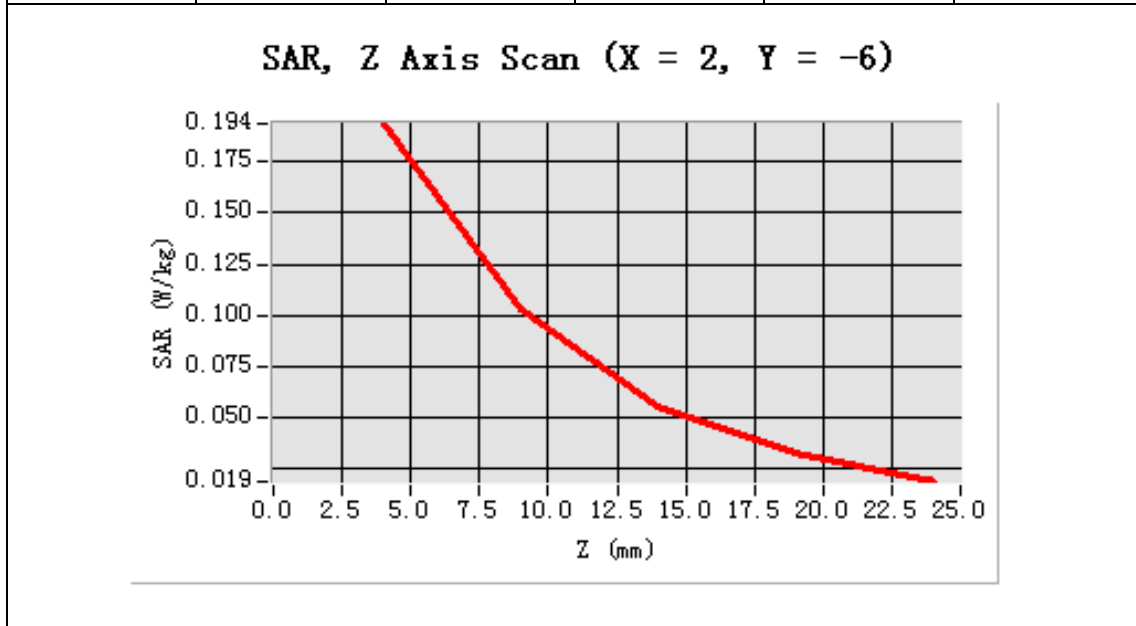
Area Scan	sam_direct_droit2_surf8mm.txt
ZoomScan	5x5x7,dx=8mm dy=8mm dz=5mm,Very fast
Phantom	Left head
Device Position	Tilt
Band	GSM1900
Channels	Middle
Signal	TDMA (Crest factor: 8.0)



Maximum location: X=2.00, Y=-6.00

SAR 10g (W/Kg)	0.089013
SAR 1g (W/Kg)	0.179310

Z (mm)	0.00	4.00	9.00	14.00	19.00
SAR (W/Kg)	0.0000	0.1936	0.1034	0.0558	0.0322



3D screen shot	Hot spot position

Test Laboratory: AGC Lab

Date: Aug. 14,2012

PCS 1900 Mid-Touch- Right<SIM 1>

DUT: mobile phone; Type: AM507

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; $\sigma = 1.39$ mho/m; $\epsilon_r = 39.90$;

$\rho = 1000$ kg/m³ ;

Phantom section: Right Section

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

Satimo Configuration:

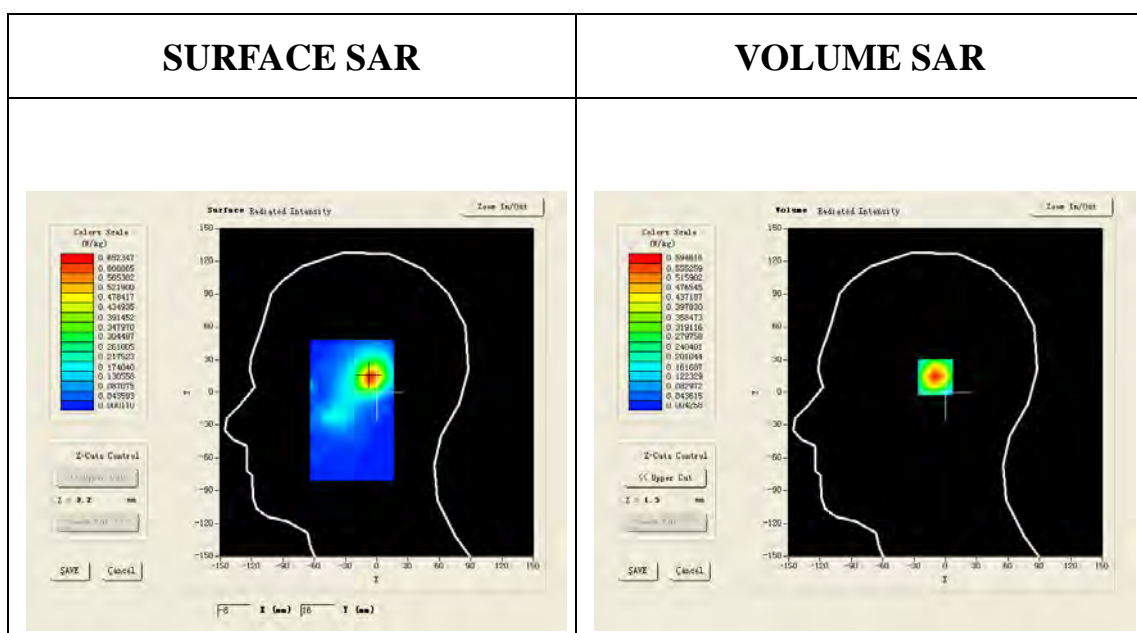
- Probe:SSE5; Calibrated: 12/09/2011
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Phantom: SAM1; Type: SAM
- Measurement SW: OpenSAR V4_02_01

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;

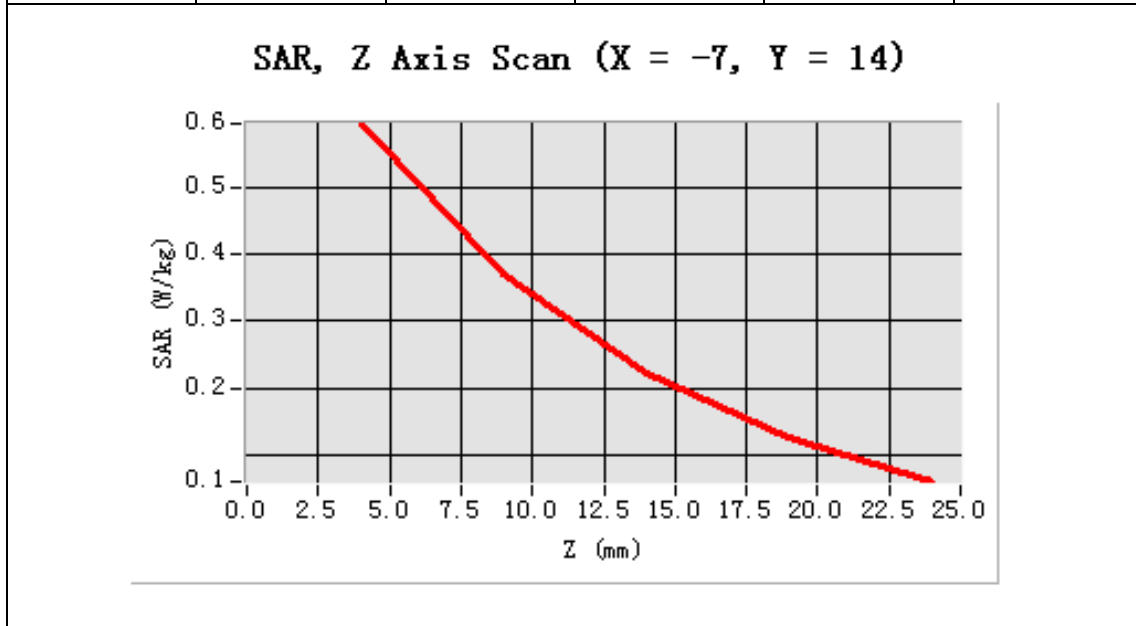
Area Scan	sam_direct_droit2_surf8mm.txt
ZoomScan	5x5x7,dx=8mm dy=8mm dz=5mm,Very fast
Phantom	Right head
Device Position	Cheek
Band	GSM1900
Channels	Middle
Signal	TDMA (Crest factor: 8.0)



Maximum location: X=-7.00, Y=14.00

SAR 10g (W/Kg)	0.287312
SAR 1g (W/Kg)	0.545489

Z (mm)	0.00	4.00	9.00	14.00	19.00
SAR (W/Kg)	0.0000	0.5946	0.3718	0.2227	0.1255



3D screen shot	Hot spot position

Test Laboratory: AGC Lab

Date: Aug. 14,2012

PCS 1900 Mid-Tilt- Right<SIM 1>

DUT: mobile phone; Type: AM507

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; $\sigma = 1.39$ mho/m; $\epsilon_r = 39.90$;

$\rho = 1000$ kg/m³ ;

Phantom section: Right Section

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

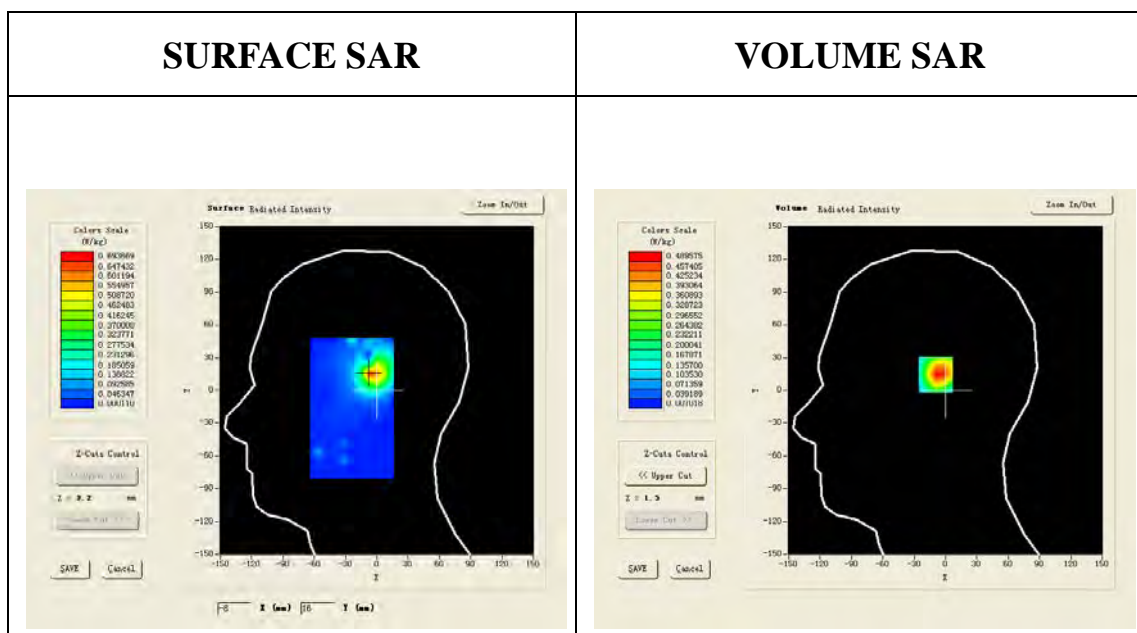
Satimo Configuration:

- 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;

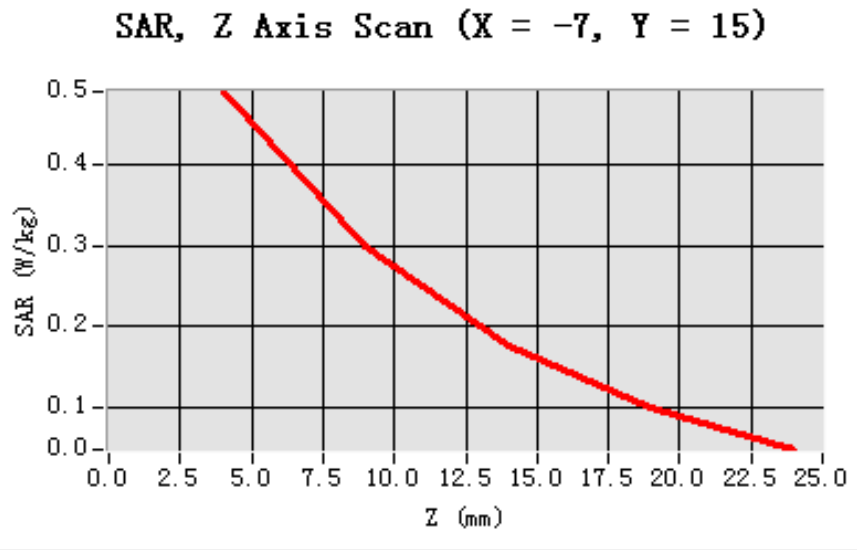
Area Scan	sam_direct_droit2_surf8mm.txt
ZoomScan	5x5x7,dx=8mm dy=8mm dz=5mm,Very fast
Phantom	Right head
Device Position	Tilt
Band	GSM1900
Channels	Middle
Signal	TDMA (Crest factor: 8.0)



Maximum location: X=-7.00, Y=15.00

SAR 10g (W/Kg)	0.250068
SAR 1g (W/Kg)	0.466698

Z (mm)	0.00	4.00	9.00	14.00	19.00
SAR (W/Kg)	0.0000	0.4896	0.2998	0.1767	0.0990



3D screen shot	Hot spot position

Test Laboratory: AGC Lab

Date: Aug. 14,2012

PCS 1900 Mid-Touch-Right<SIM 2>

DUT: mobile phone; Type: AM507

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; $\sigma = 1.39$ mho/m; $\epsilon_r = 39.90$;

$\rho = 1000$ kg/m³ ;

Phantom section: Right Section

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

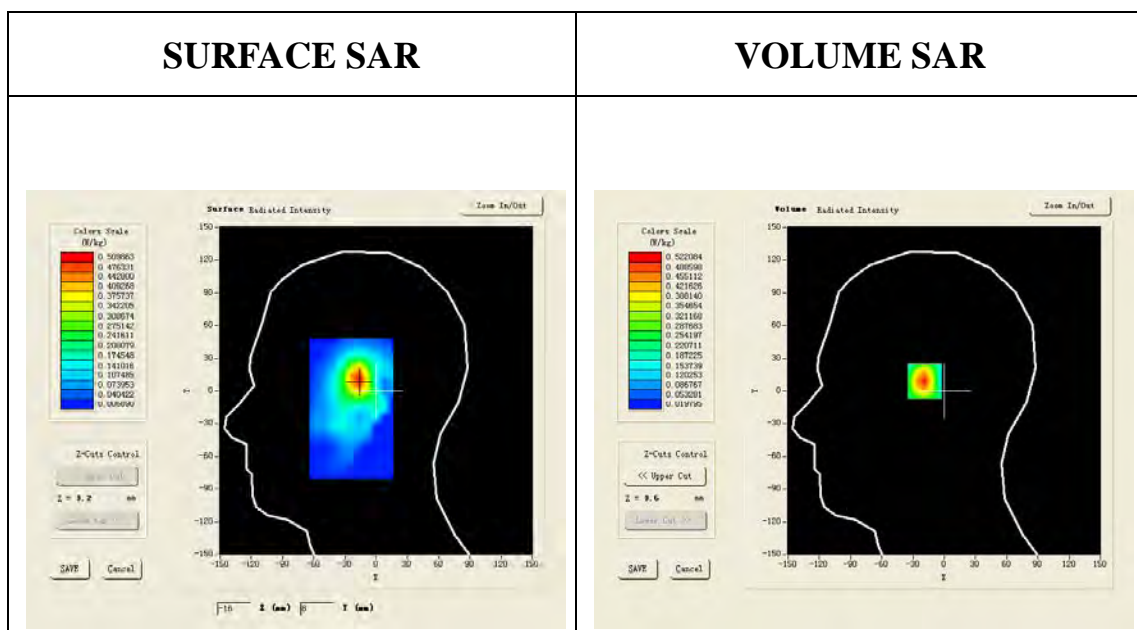
Satimo Configuration:

- 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;

Area Scan	sam_direct_droit2_surf8mm.txt
ZoomScan	5x5x7,dx=8mm dy=8mm dz=5mm,Very fast
Phantom	Right head
Device Position	Touch
Band	GSM1900
Channels	Middle
Signal	TDMA (Crest factor: 8.0)

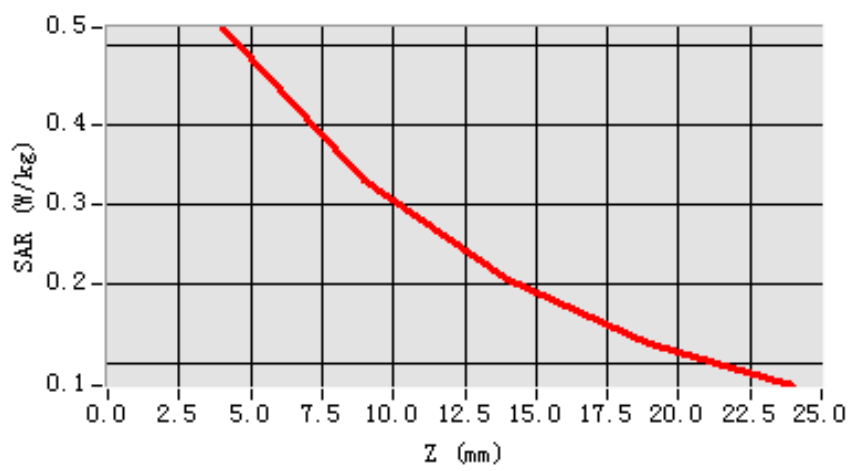


Maximum location: X=-17.00, Y=10.00

SAR 10g (W/Kg)	0.263859
SAR 1g (W/Kg)	0.482802

Z (mm)	0.00	4.00	9.00	14.00	19.00
SAR (W/Kg)	0.0000	0.5221	0.3295	0.2046	0.1251

SAR, Z Axis Scan (X = -17, Y = 10)



3D screen shot	Hot spot position

Test Laboratory: AGC Lab

Date: Aug. 14,2012

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

DUT: mobile phone; Type: AM507

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; $\sigma = 1.48$ mho/m; $\epsilon_r = 53.18$;

$\rho = 1000$ kg/m³ ;

Phantom section: Flat Section

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

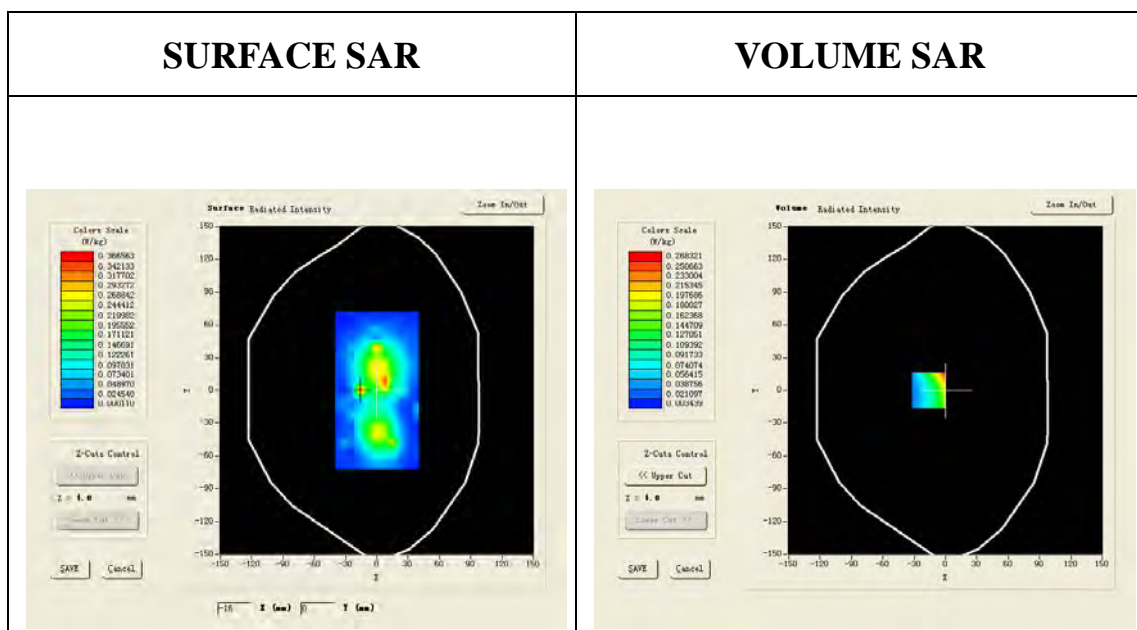
Satimo Configuration:

- 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;

Area Scan	surf_sam_plan.txt
ZoomScan	5x5x7,dx=8mm dy=8mm dz=5mm,Very fast
Phantom	Validation plane
Device Position	Body
Band	GSM1900
Channels	Middle
Signal	TDMA (Crest factor: 8.0)

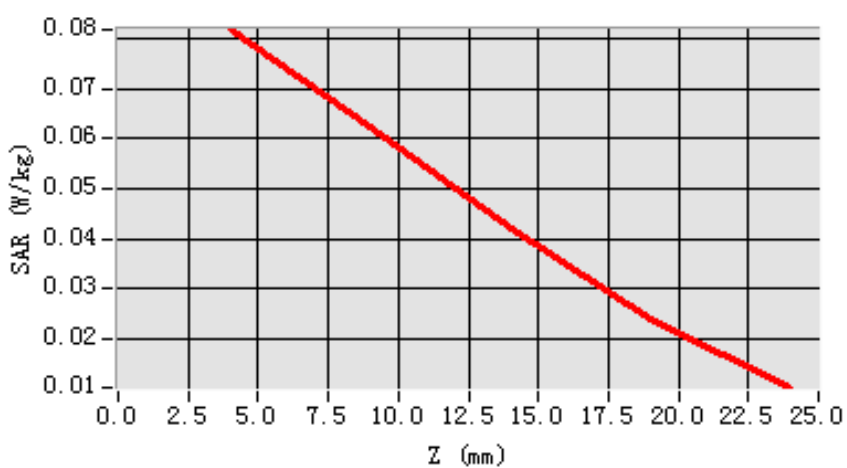


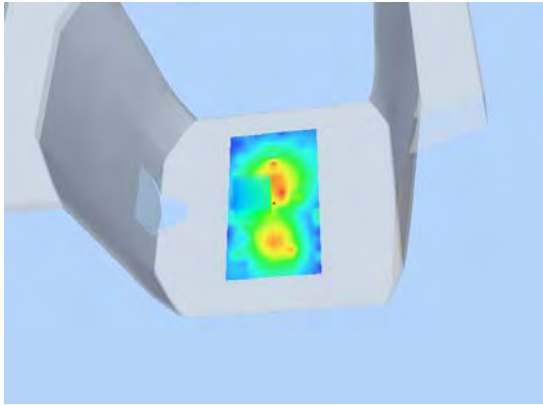
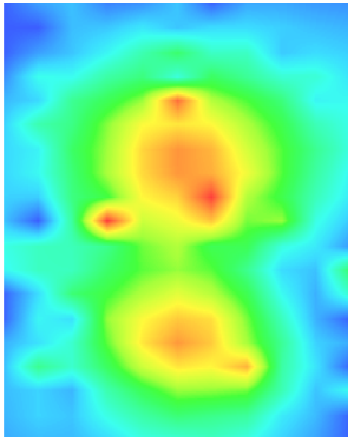
Maximum location: X=-16.00, Y=0.00

SAR 10g (W/Kg)	0.101327
SAR 1g (W/Kg)	0.224464

Z (mm)	0.00	4.00	9.00	14.00	19.00
SAR (W/Kg)	0.0000	0.0818	0.0623	0.0422	0.0239

SAR, Z Axis Scan (X = -16, Y = 0)



3D screen shot	Hot spot position
	

Test Laboratory: AGC Lab

Date: Aug. 14,2012

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

DUT: mobile phone; Type: AM507

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; $\sigma = 1.48$ mho/m; $\epsilon_r = 53.18$;

$\rho = 1000$ kg/m³ ;

Phantom section: Flat Section

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

Satimo Configuration:

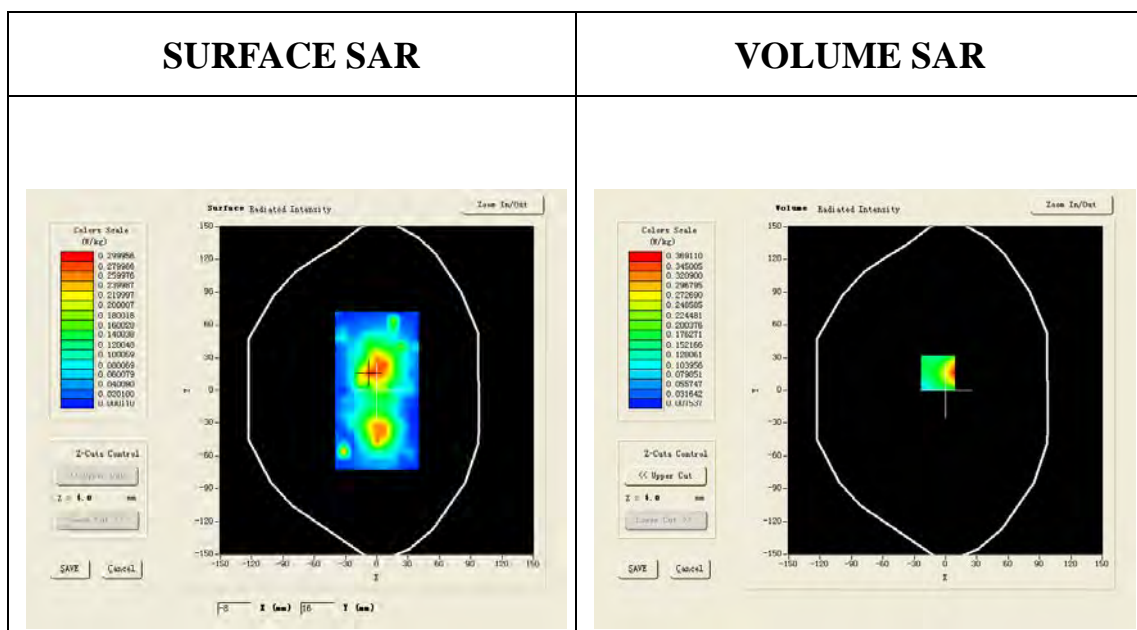
- Probe:SSE5; Calibrated: 12/09/2011
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Phantom: SAM1; Type: SAM
- Measurement SW: OpenSAR V4_02_01

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;

Area Scan	surf_sam_plan.txt
ZoomScan	5x5x7,dx=8mm dy=8mm dz=5mm,Very fast
Phantom	Validation plane
Device Position	Body
Band	GSM1900
Channels	Middle
Signal	TDMA (Crest factor: 4.0)

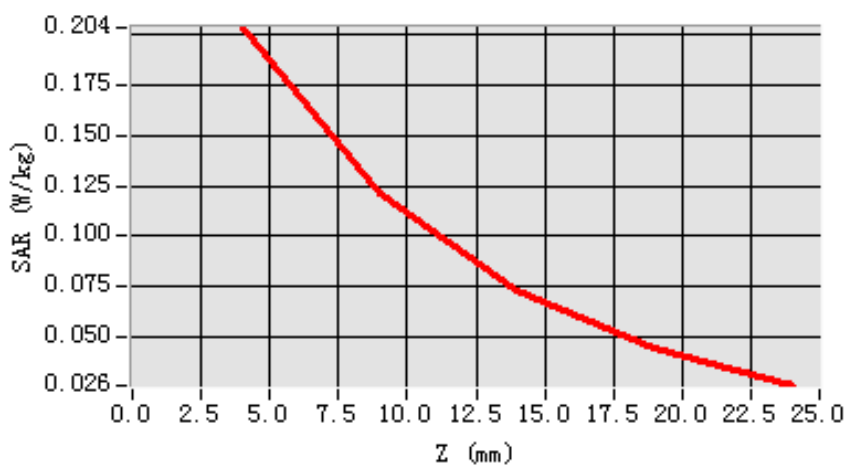


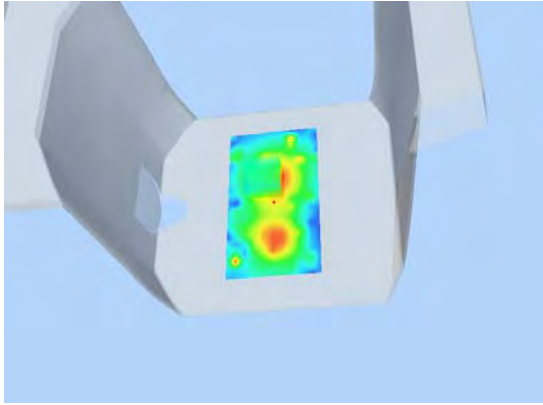
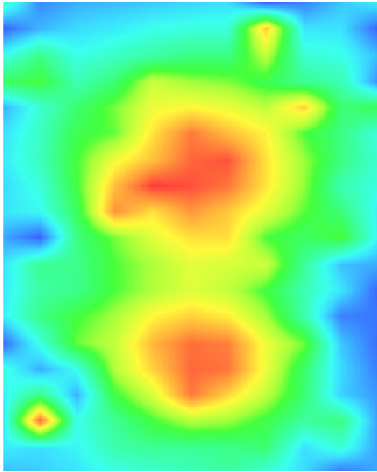
Maximum location: X=-7.00, Y=16.00

SAR 10g (W/Kg)	0.160268
SAR 1g (W/Kg)	0.327982

Z (mm)	0.00	4.00	9.00	14.00	19.00
SAR (W/Kg)	0.0000	0.2036	0.1215	0.0725	0.0440

SAR, Z Axis Scan (X = -7, Y = 16)



3D screen shot	Hot spot position
	

Test Laboratory: AGC Lab

Date: Aug. 14,2012

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

DUT: mobile phone; Type: AM507

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; $\sigma = 1.48$ mho/m; $\epsilon_r = 53.18$;

$\rho = 1000$ kg/m³ ;

Phantom section: Flat Section

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

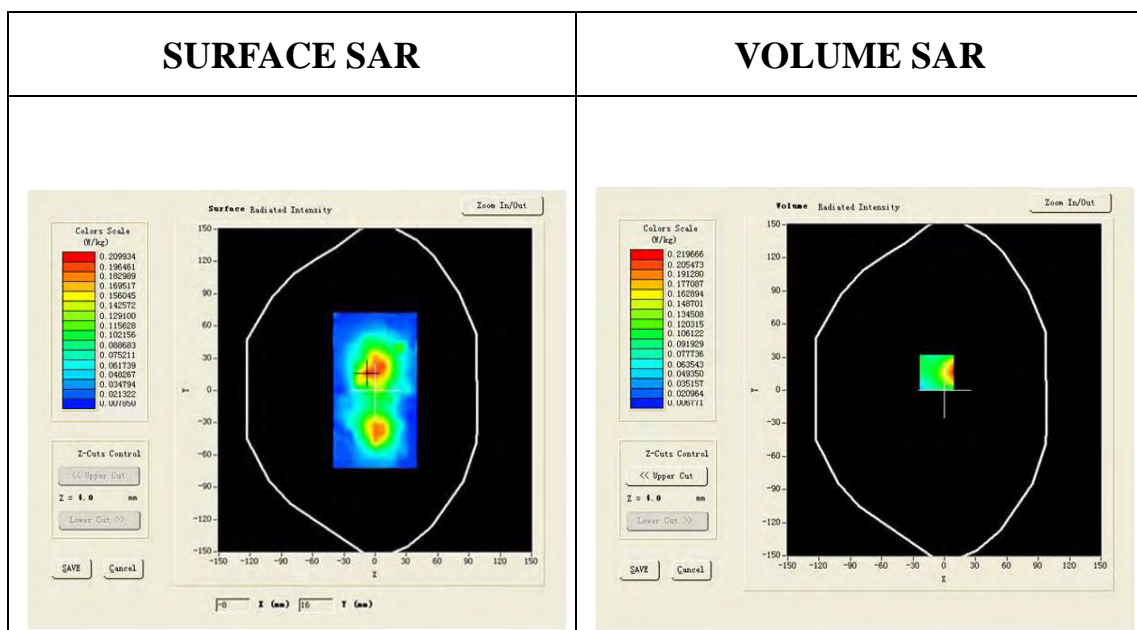
Satimo Configuration:

- 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;

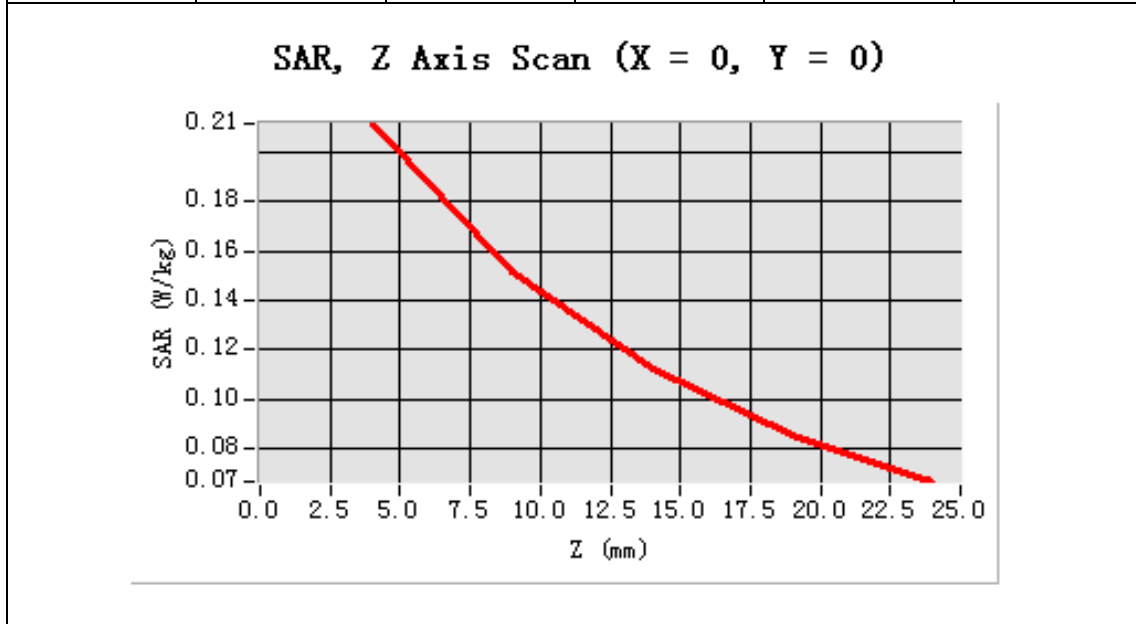
Area Scan	surf_sam_plan.txt
ZoomScan	5x5x7,dx=8mm dy=8mm dz=5mm,Very fast
Phantom	Validation plane
Device Position	Body
Band	GSM1900
Channels	Middle
Signal	TDMA (Crest factor: 4.0)



Maximum location: X=-7.00, Y=16.00

SAR 10g (W/Kg)	0.154431
SAR 1g (W/Kg)	0.220173

Z (mm)	0.00	4.00	9.00	14.00	19.00
SAR (W/Kg)	0.0000	0.2114	0.1516	0.1120	0.0860



3D screen shot	Hot spot position

Test Laboratory: AGC Lab

Date: Aug. 14,2012

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

DUT: mobile phone; Type: AM507

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; $\sigma = 1.48$ mho/m; $\epsilon_r = 53.18$;

$\rho = 1000$ kg/m³ ;

Phantom section: Flat Section

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

Satimo Configuration:

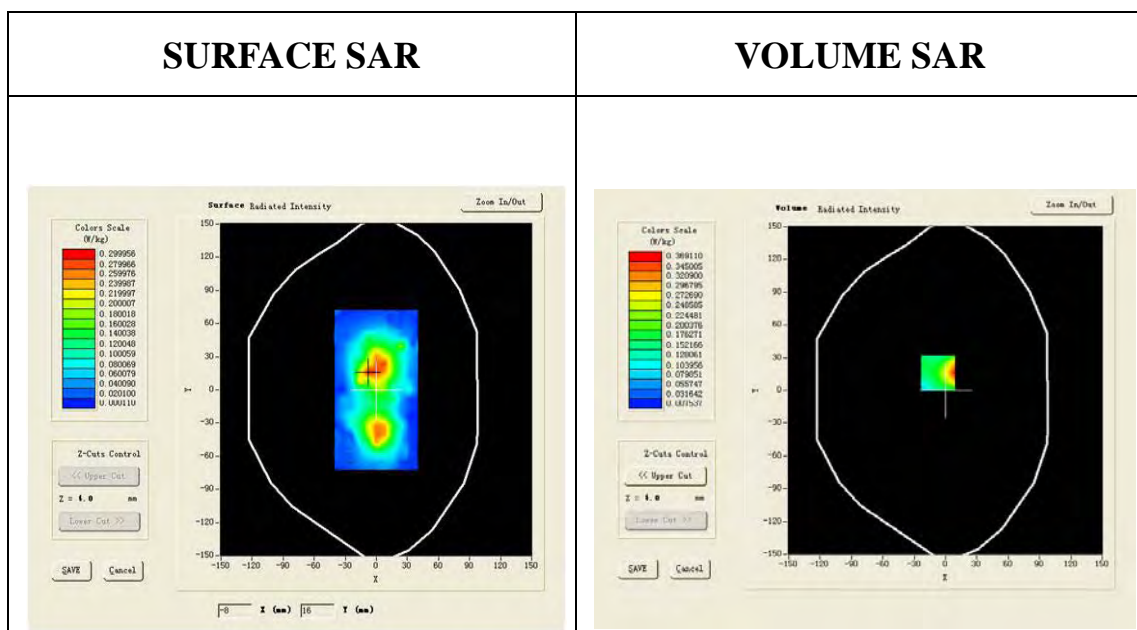
- Probe:SSE5; Calibrated: 12/09/2011
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Phantom: SAM1; Type: SAM
- Measurement SW: OpenSAR V4_02_01

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;

Area Scan	surf_sam_plan.txt
ZoomScan	5x5x7,dx=8mm dy=8mm dz=5mm,Very fast
Phantom	Validation plane
Device Position	Body
Band	GSM1900
Channels	Middle
Signal	TDMA (Crest factor: 4.0)

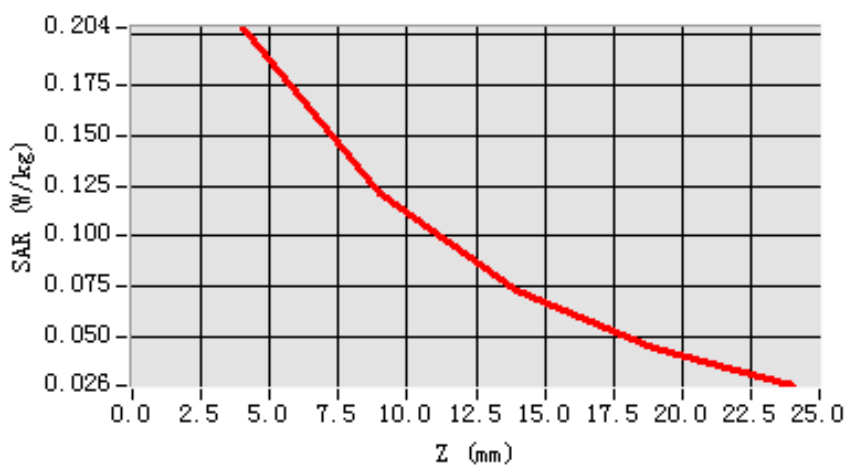


Maximum location: X=-7.00, Y=16.00

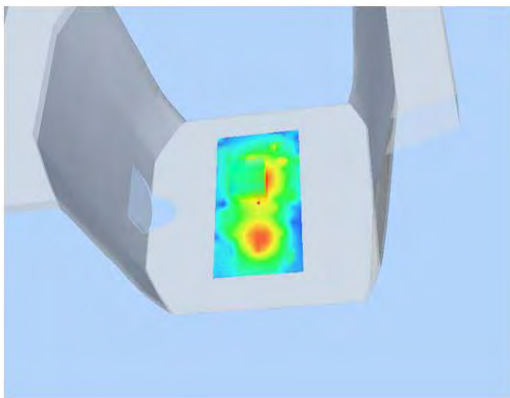
SAR 10g (W/Kg)	0.157261
SAR 1g (W/Kg)	0.305642

Z (mm)	0.00	4.00	9.00	14.00	19.00
SAR (W/Kg)	0.0000	0.2015	0.1237	0.08061	0.04127

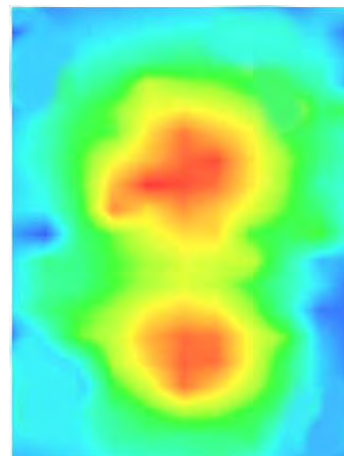
SAR, Z Axis Scan (X = -7, Y = 16)



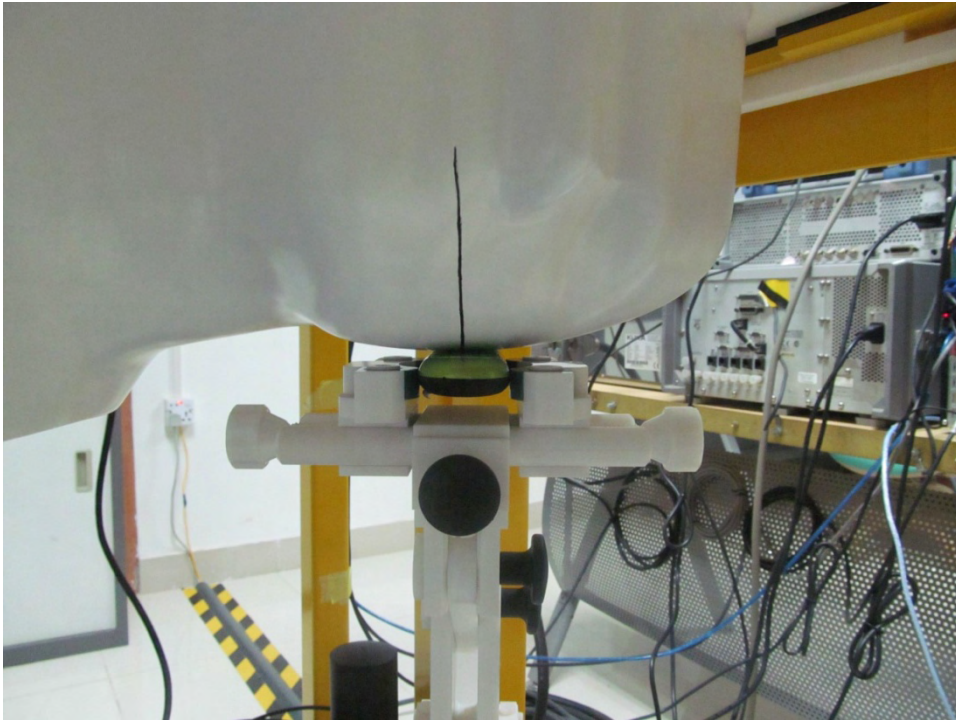
3D screen shot



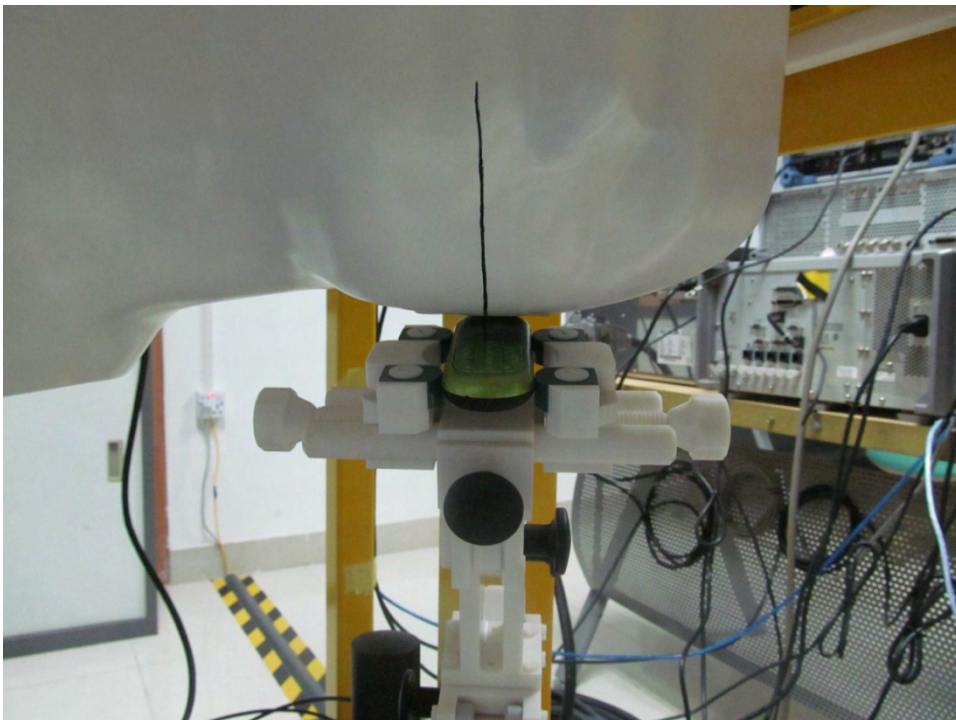
Hot spot position



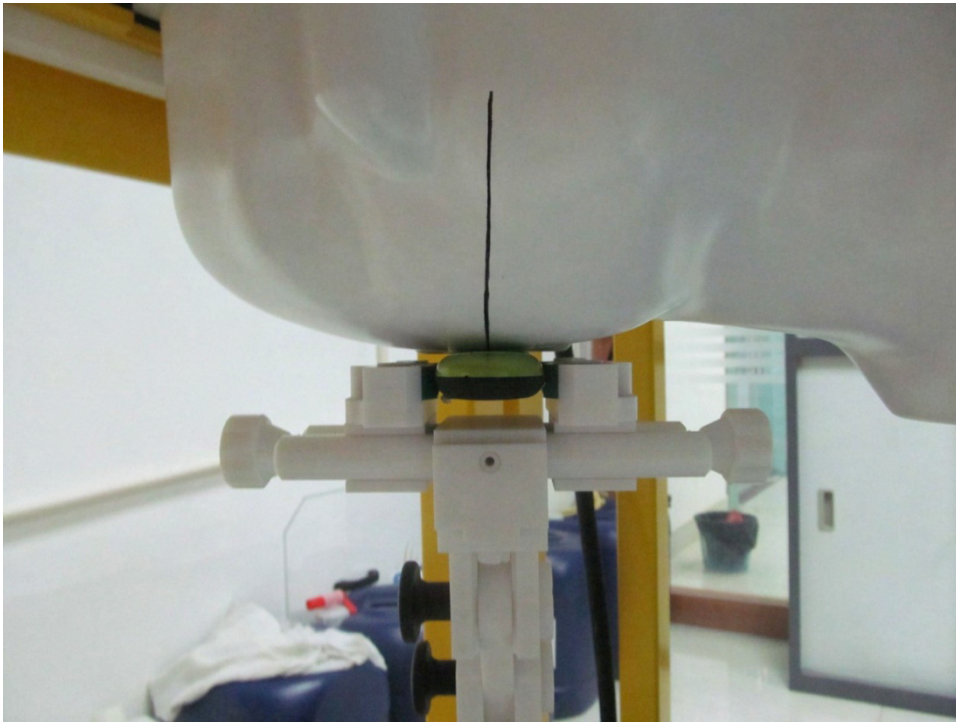
Appendix C. TEST SETUP PHOTOGRAPHS & EUT PHOTOGRAPHS
Test Setup Photographs
LEFT-CHECK TOUCH



LEFT-TILT 15°



RIGHT-CHECK TOUCH



RIGHT-TILT 15°



Body Back15mm



Body Front 15mm



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 SAMPLE



BOTTOM VIEW OF SAMPLE



LEFT VIEW OF SAMPLE



RIGHT VIEW OF SAMPLE



FRONT VIEW OF SAMPLE



BACK VEIW OF SAMPLE

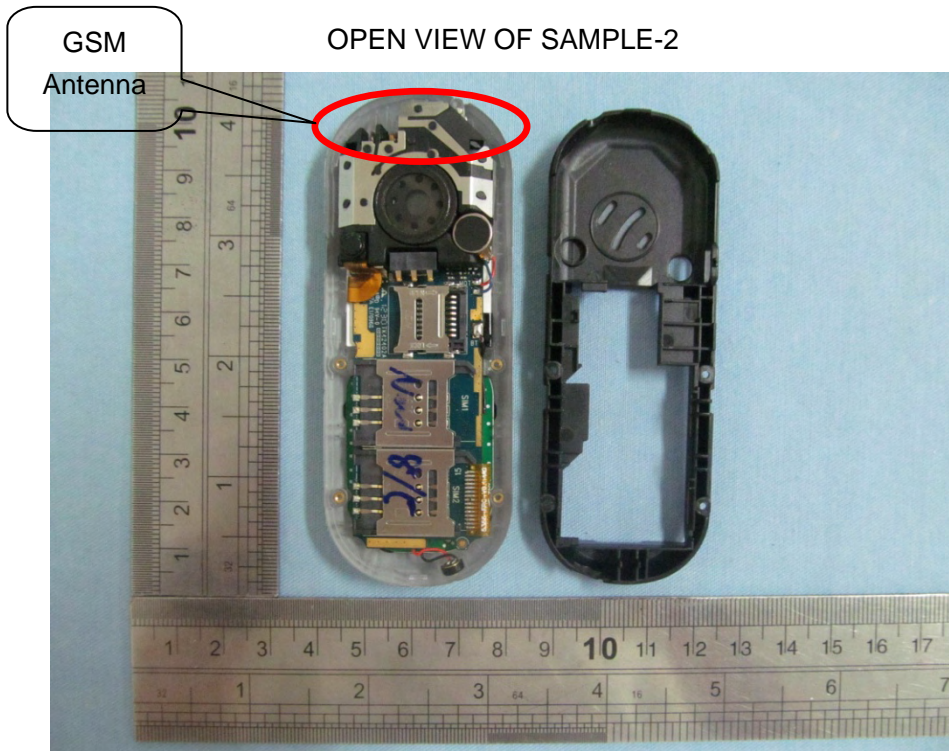


ALL VIEW OF SAMPLE

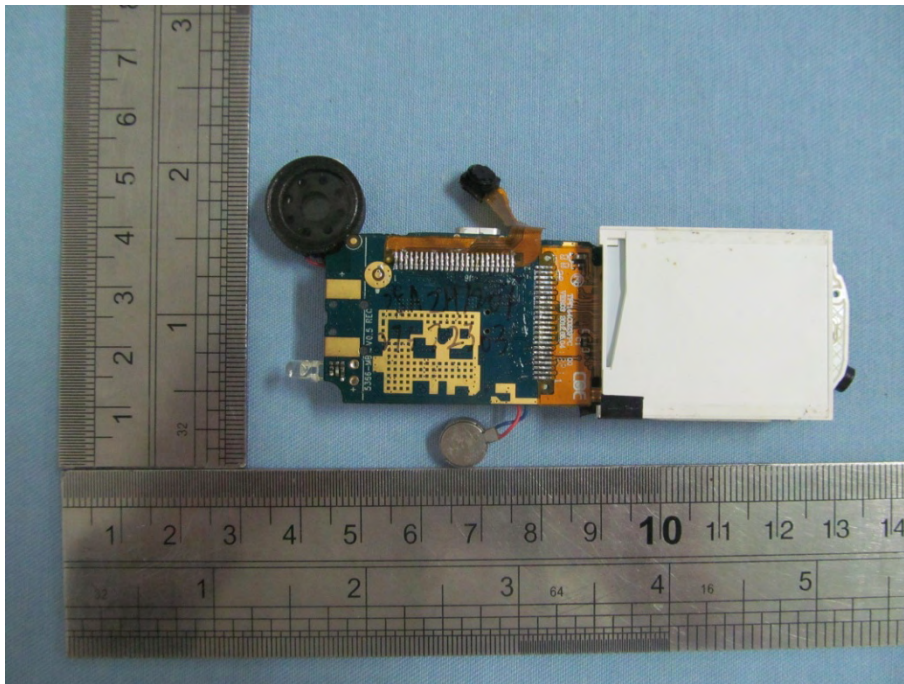


OPEN VIEW OF SAMPLE-1

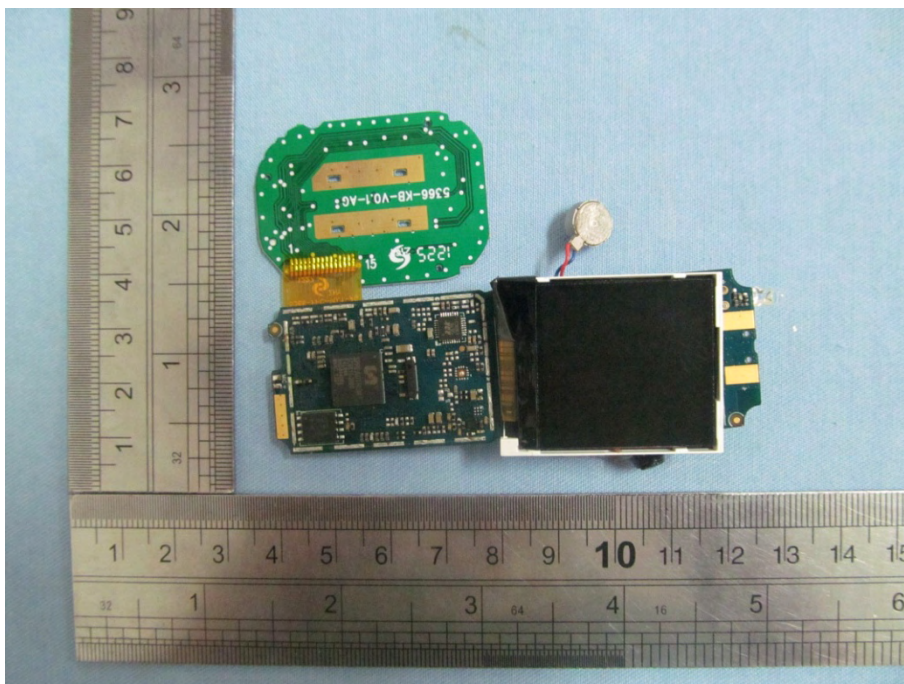




INTERNAL VIEW OF SAMPLE-1



INTERNAL VIEW OF SAMPLE-2



INTERNAL VIEW OF SAMPLE-3

