

Test Laboratory: AGC Lab

Date: Jul 18,2012

WCDMA Band II Mid-Touch Left (RMC)

DUT:WCDMA MOBILE PHONE; Type: ANDROID 5100

Communication System: UMTS; Communication System Band: Band II UTRA/FDD ;Duty

Cycle:1:1;Conv.F=6.42 Frequency: 1880 MHz; Medium parameters used: $f = 1900$ MHz; $\sigma = 1.39$ mho/m; $\epsilon_r = 40.07$; $\rho = 1000$ kg/m³ ;

Phantom section: Left Section

Ambient temperature (°C):21, Liquid temperature (°C):21

Satimo Configuration:

Probe:SSE5; Calibrated: 12/09/2011

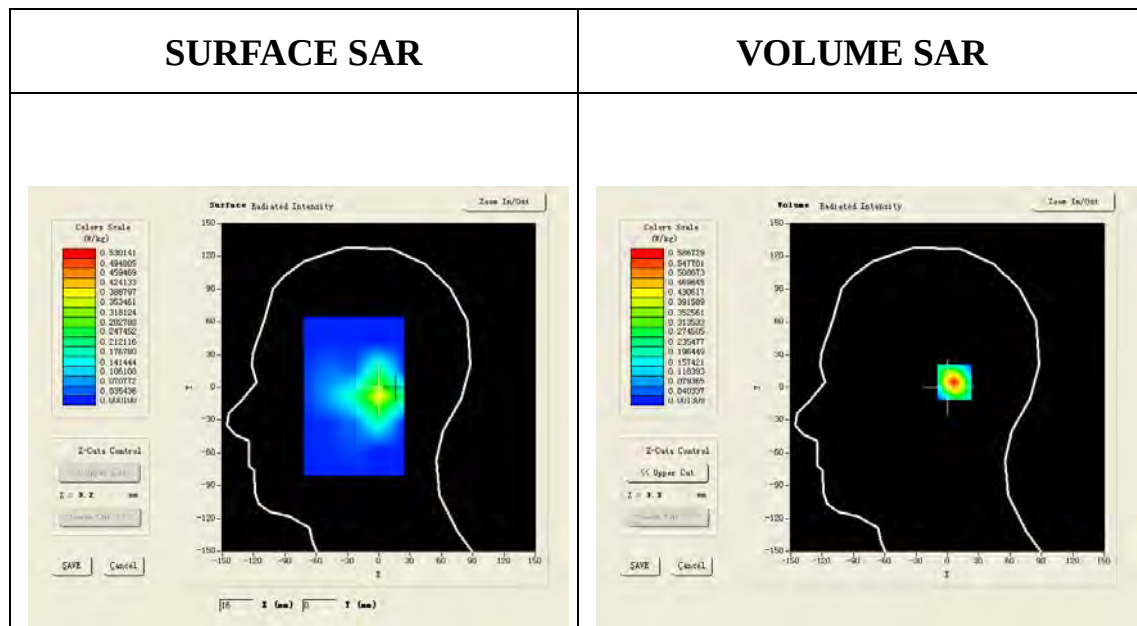
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Phantom: SAM1; Type: SAM
- Measurement SW: OpenSAR V4_02_01

Configuration/ WCDMA Band II Mid Touch-Left/Area Scan: Measurement grid: dx=20mm, dy=20mm

Configuration/ WCDMA Band II Mid Touch-Left/Zoom Scan: Measurement grid:

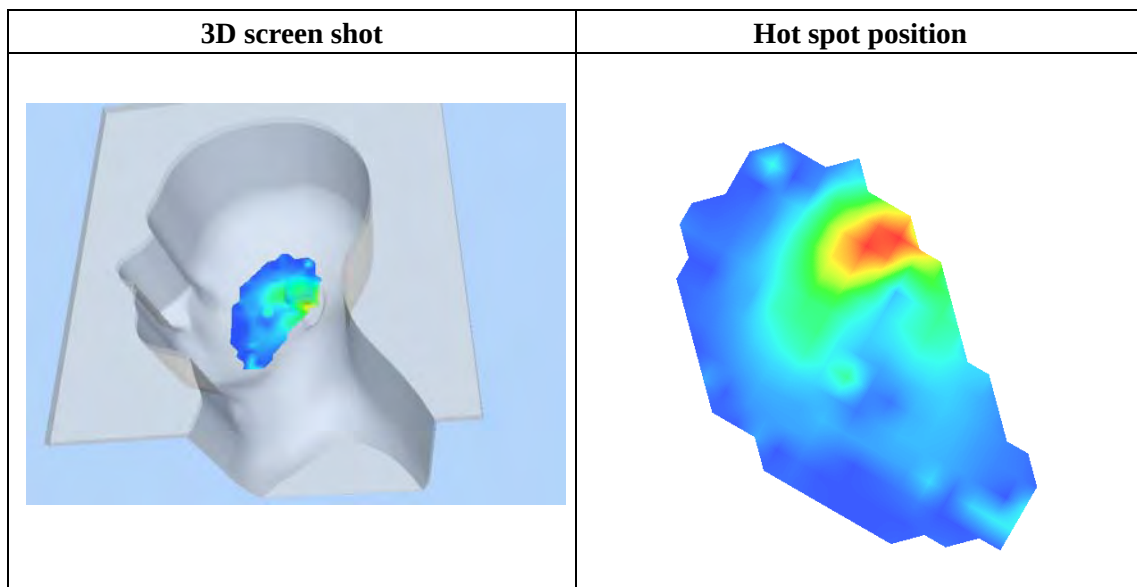
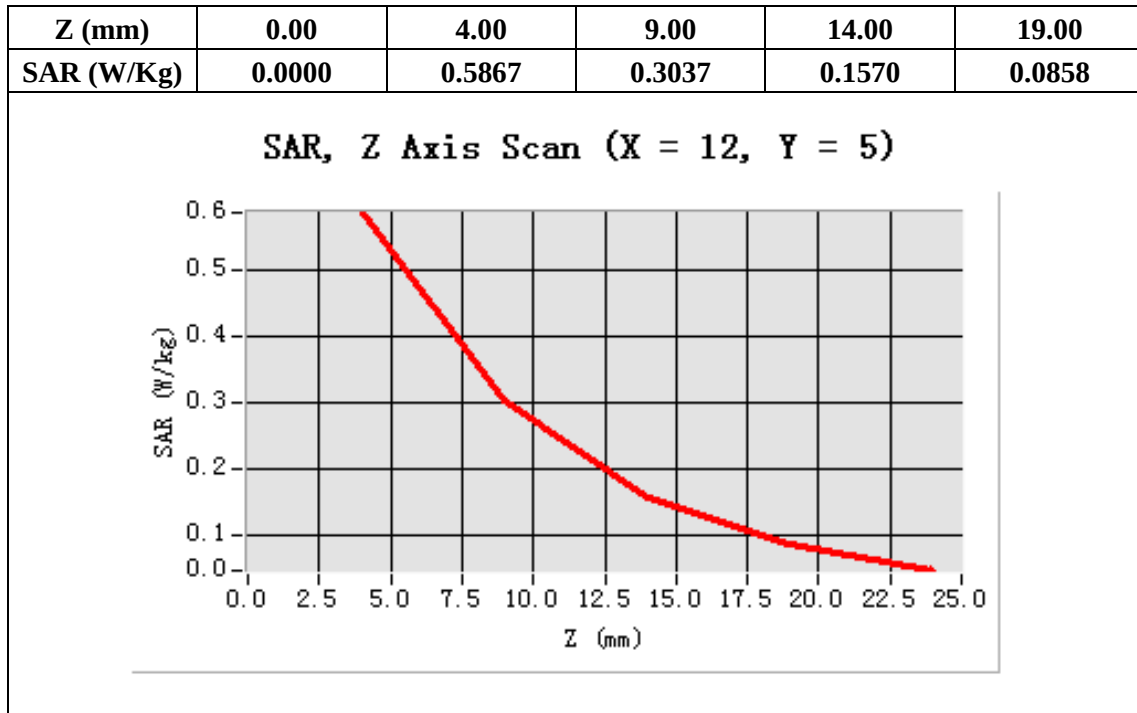
dx=8mm,dy=8mm,dz=5mm;

Area Scan	sam_direct_droit2_surf8mm.txt
ZoomScan	5x5x7,dx=8mm dy=8mm dz=5mm,Very fast
Phantom	Left head
Device Position	Cheek
Band	WCDMA Band II
Channels	Middle
Signal	TDMA (Crest factor: 1.0)



Maximum location: X=12.00, Y=5.00

SAR 10g (W/Kg)	0.246221
SAR 1g (W/Kg)	0.531164



Test Laboratory: AGC Lab

Date: Jul 18,2012

WCDMA Band II Mid-Tilt-Left (RMC)

DUT:WCDMA MOBILE PHONE; Type: ANDROID 5100

C Communication System: UMTS; Communication System Band: Band II UTRA/FDD ;Duty

Cycle:1:1;Conv.F=6.42 Frequency: 1880 MHz; Medium parameters used: $f = 1900$ MHz; $\sigma = 1.39$ mho/m; $\epsilon_r = 40.07$; $\rho = 1000$ kg/m³ ; Phantom section: Left Section

Ambient temperature (°C):21, Liquid temperature (°C):21

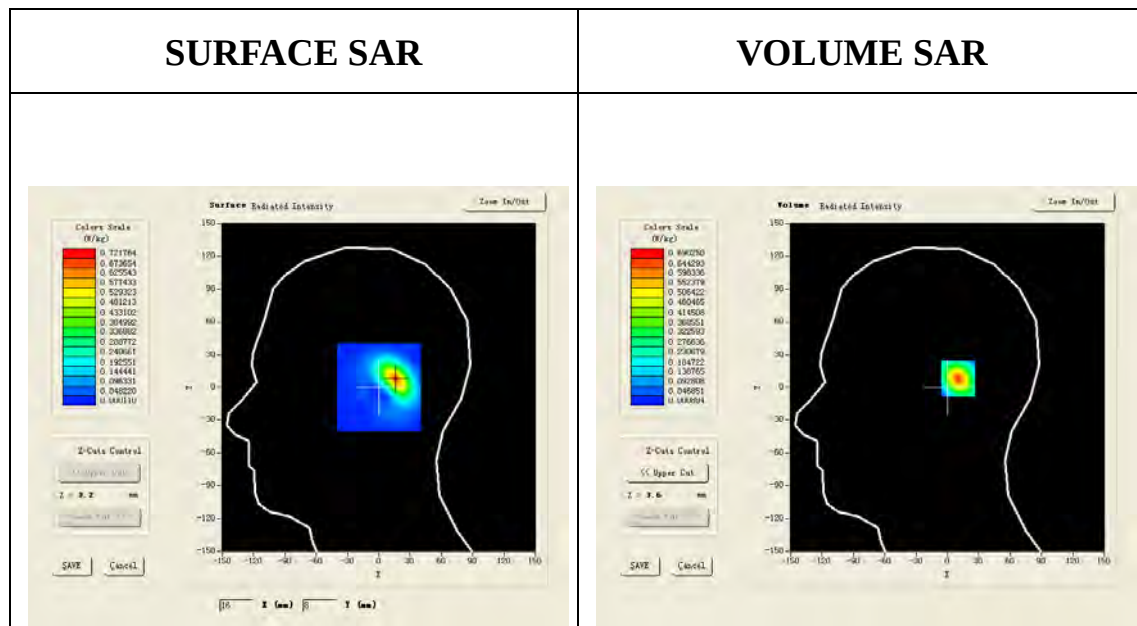
Satimo Configuration:

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

Configuration/ WCDMA Band II Mid Tilt-Left/Area Scan: Measurement grid: dx=20mm, dy=20mm

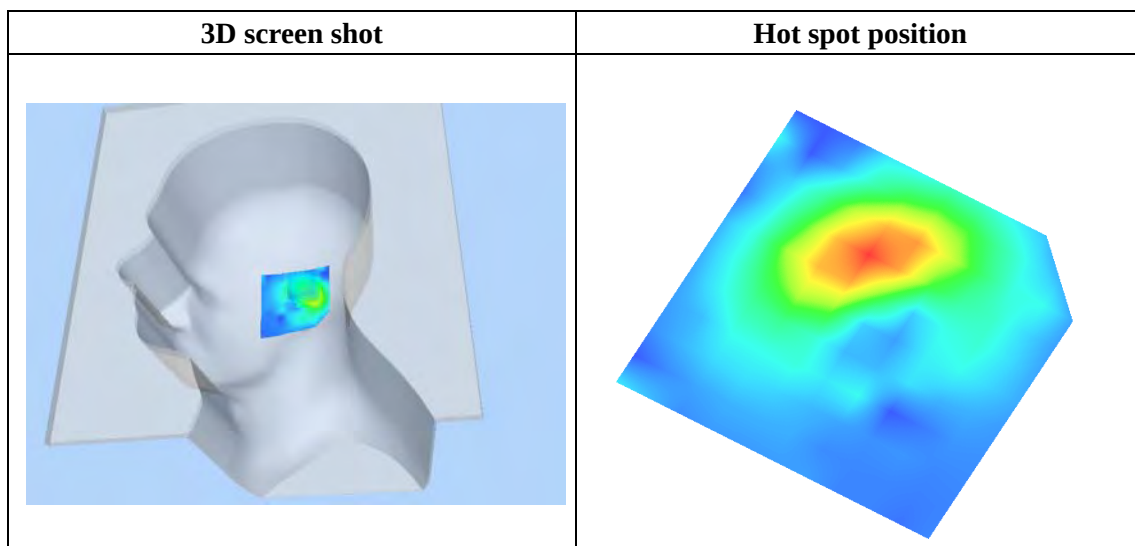
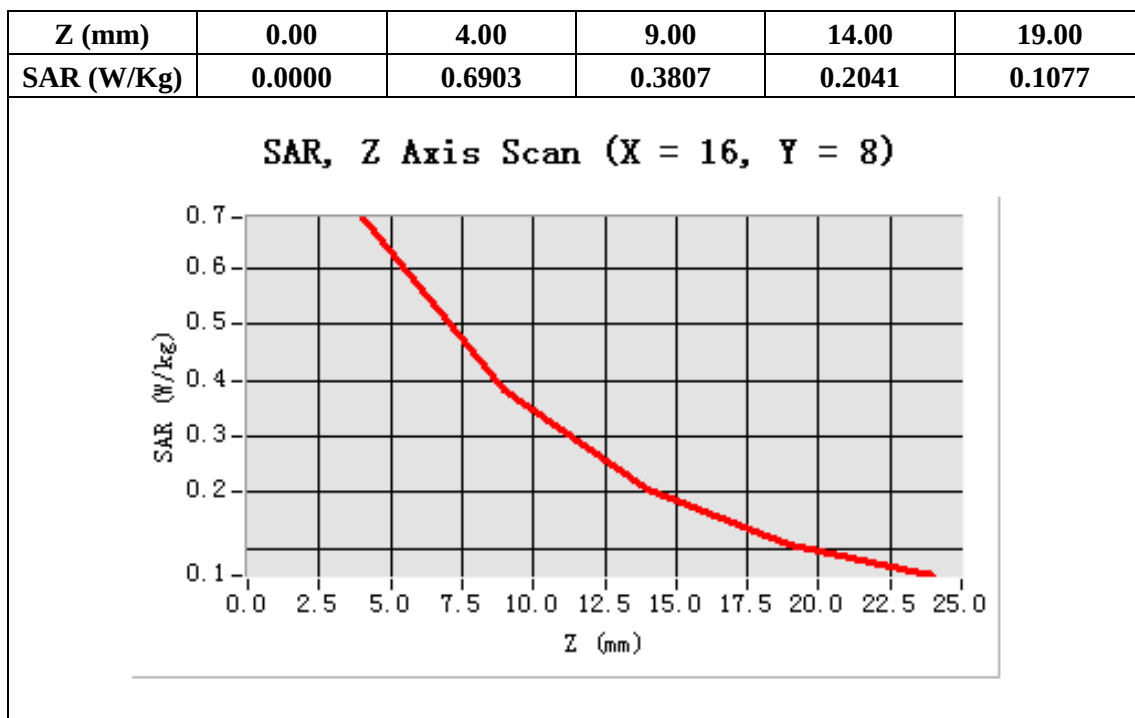
Configuration/ WCDMA Band II Mid Tilt-Left/Zoom Scan: Measurement grid: dx=8mm, dy=8mm, dz=5mm;

Area Scan	sam_direct_droit2_surf8mm.txt
ZoomScan	5x5x7,dx=8mm dy=8mm dz=5mm,Very fast
Phantom	Left head
Device Position	Tilt
Band	WCDMA Band II
Channels	Middle
Signal	TDMA (Crest factor: 1.0)



Maximum location: X=16.00, Y=8.00

SAR 10g (W/Kg)	0.290514
SAR 1g (W/Kg)	0.619885



Test Laboratory: AGC Lab**Date: Jul 18,2012****WCDMA band II Low-Touch Right (RMC)****DUT:WCDMA MOBILE PHONE; Type: ANDROID 5100**

Communication System: UMTS; Communication System Band: Band II UTRA/FDD ;Duty

Cycle:1:1;Conv.F=6.42 Frequency: 1850.2 MHz; Medium parameters used: $f = 1900$ MHz; $\sigma = 1.39$ mho/m; $\epsilon_r = 40.07$; $\rho = 1000$ kg/m³ ;

Phantom section: Right Section

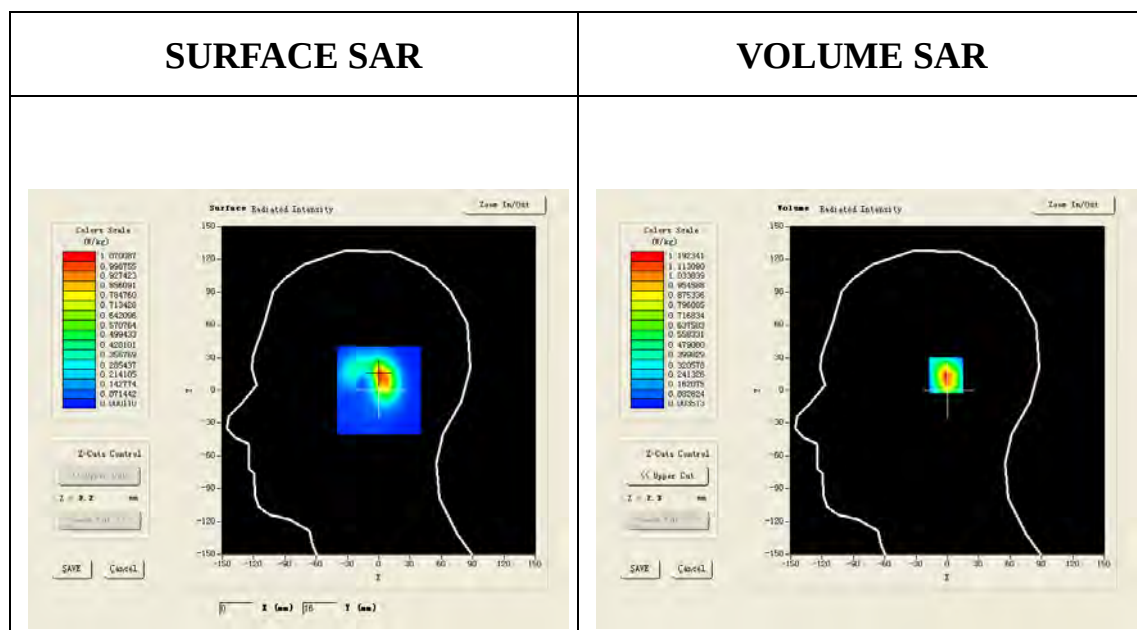
Ambient temperature (°C):21, Liquid temperature (°C):21

Satimo Configuration:

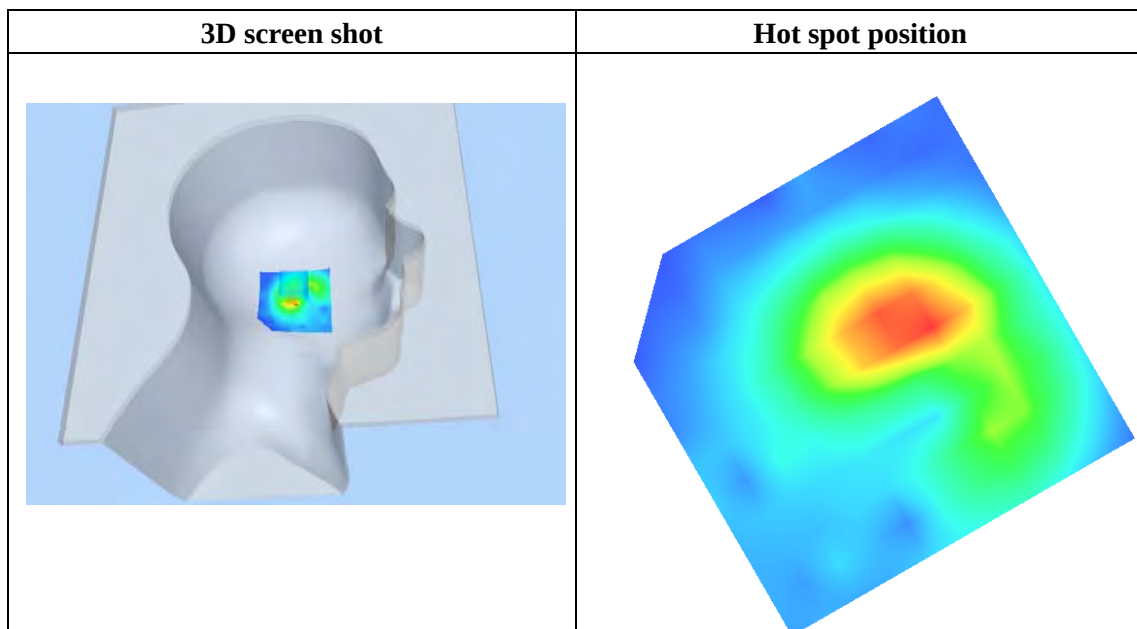
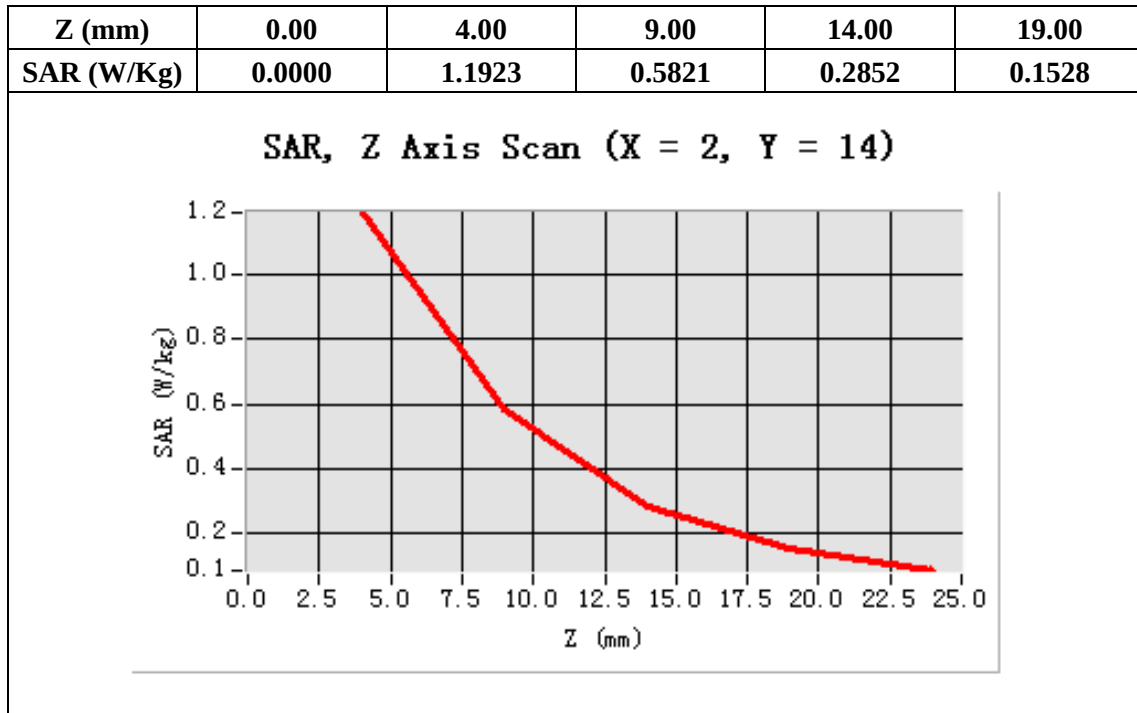
- Probe:SSE5; Calibrated: 12/09/2011
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Phantom: SAM1; Type: SAM
- Measurement SW: OpenSAR V4_02_01

Configuration/ WCDMA band II Low- Touch-Right/Area Scan: Measurement grid: dx=20mm, dy=20mm**Configuration/ WCDMA band II Low-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	WCDMA band II
Channels	Low
Signal	TDMA (Crest factor: 1.0)

**Maximum location: X=2.00, Y=14.00**

SAR 10g (W/Kg)	0.490533
SAR 1g (W/Kg)	1.094767



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WCDMA band II Mid-Touch Right (RMC)

DUT:WCDMA MOBILE PHONE; Type: ANDROID 5100

Communication System: UMTS; Communication System Band: Band II UTRA/FDD ;Duty

Cycle:1:1;Conv.F=6.42 Frequency: 1880 MHz; Medium parameters used: $f = 1900$ MHz; $\sigma = 1.39$ mho/m;
 $\epsilon_r = 40.07$; $\rho = 1000$ kg/m³ ;

Phantom section: Right Section

Ambient temperature (°C):21, Liquid temperature (°C):21

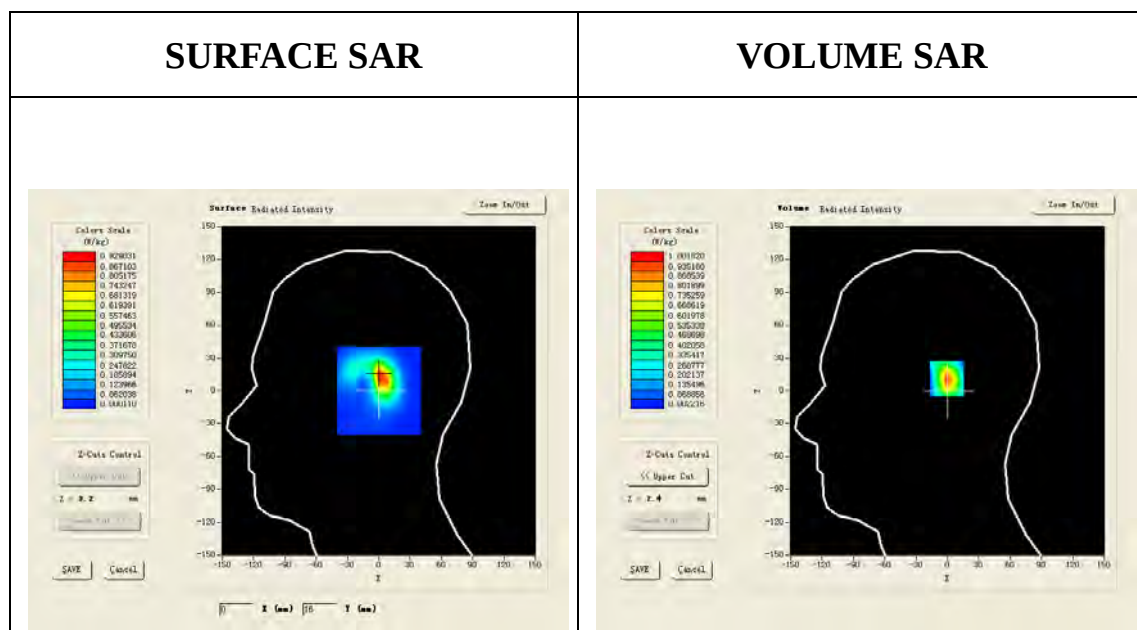
Satimo Configuration:

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

Configuration/ WCDMA band II Mid Touch-Right/Area Scan: Measurement grid: dx=20mm, dy=20mm

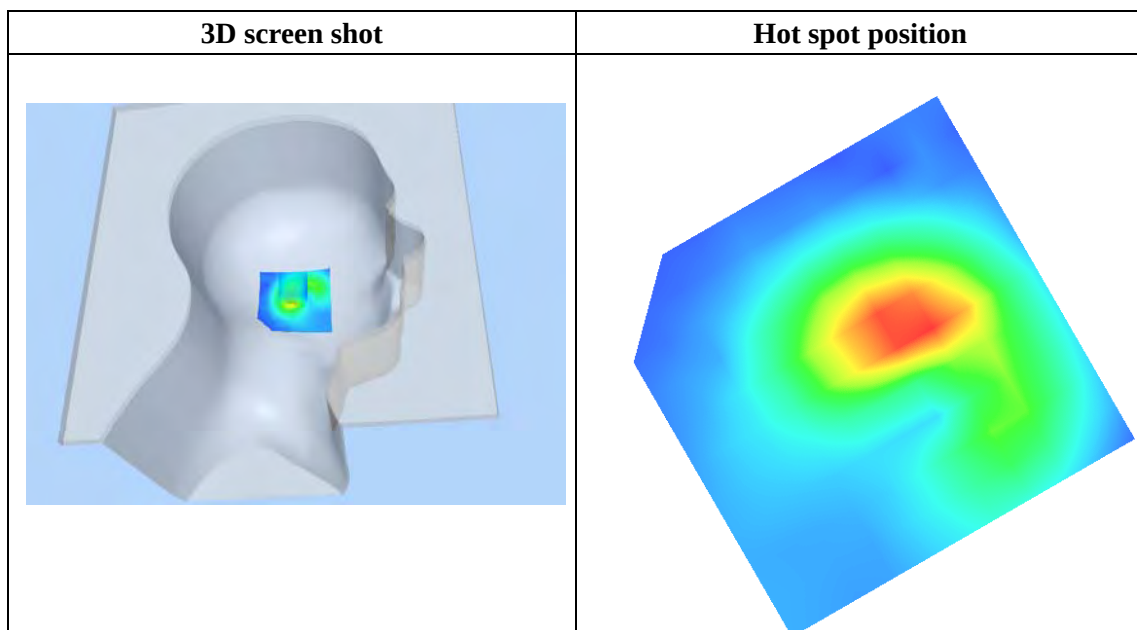
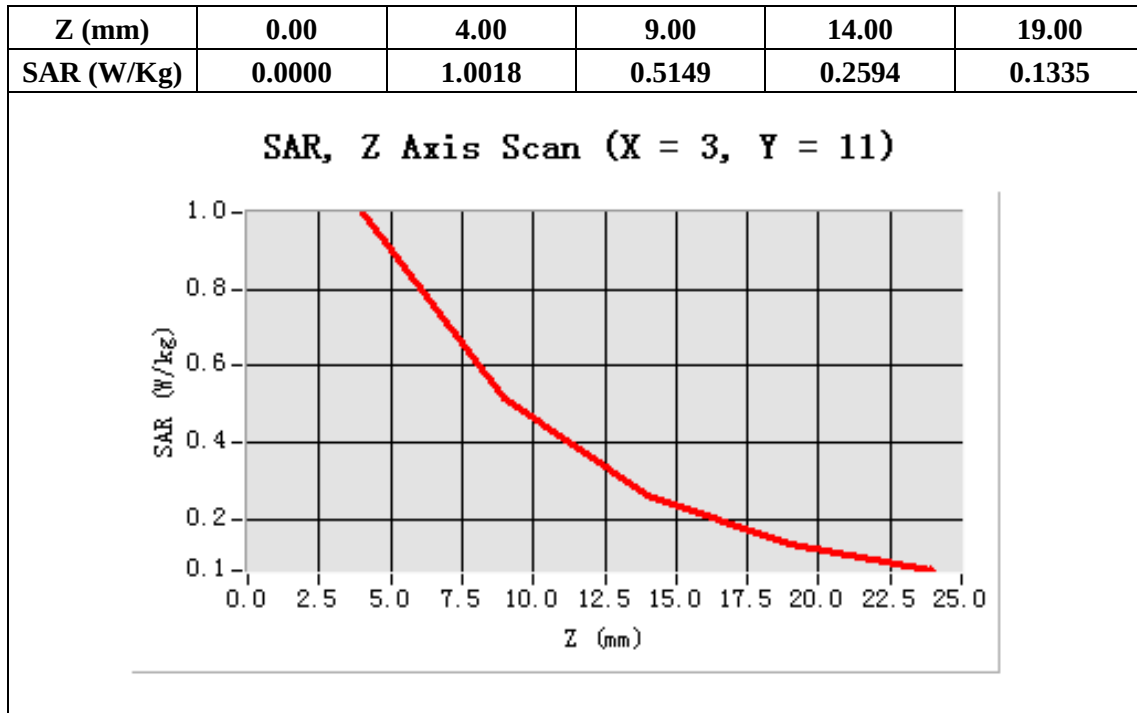
Configuration/ WCDMA band II Touch-Right/Zoom Scan: Measurement grid: dx=8mm,
dy=8mm, dz=5mm;

Area Scan	sam_direct_droit2_surf8mm.txt
ZoomScan	5x5x7,dx=8mm dy=8mm dz=5mm,Very fast
Phantom	Right head
Device Position	Cheek
Band	WCDMA band II
Channels	Middle
Signal	TDMA (Crest factor: 1.0)



Maximum location: X=3.00, Y=11.00

SAR 10g (W/Kg)	0.399454
SAR 1g (W/Kg)	0.905030



Test Laboratory: AGC Lab**Date: Jul 18,2012****WCDMA band II High-Touch Right (RMC)****DUT:WCDMA MOBILE PHONE; Type: ANDROID 5100**

Communication System: UMTS; Communication System Band: Band II UTRA/FDD ;Duty

Cycle:1:1;Conv.F=6.42 Frequency: 1909.8MHz;Medium parameters used: $f = 1900$ MHz; $\sigma = 1.39$ mho/m;
 $\epsilon_r = 40.07$; $\rho = 1000$ kg/m³ ;

Phantom section: Right Section

Ambient temperature (°C):21, Liquid temperature (°C):21

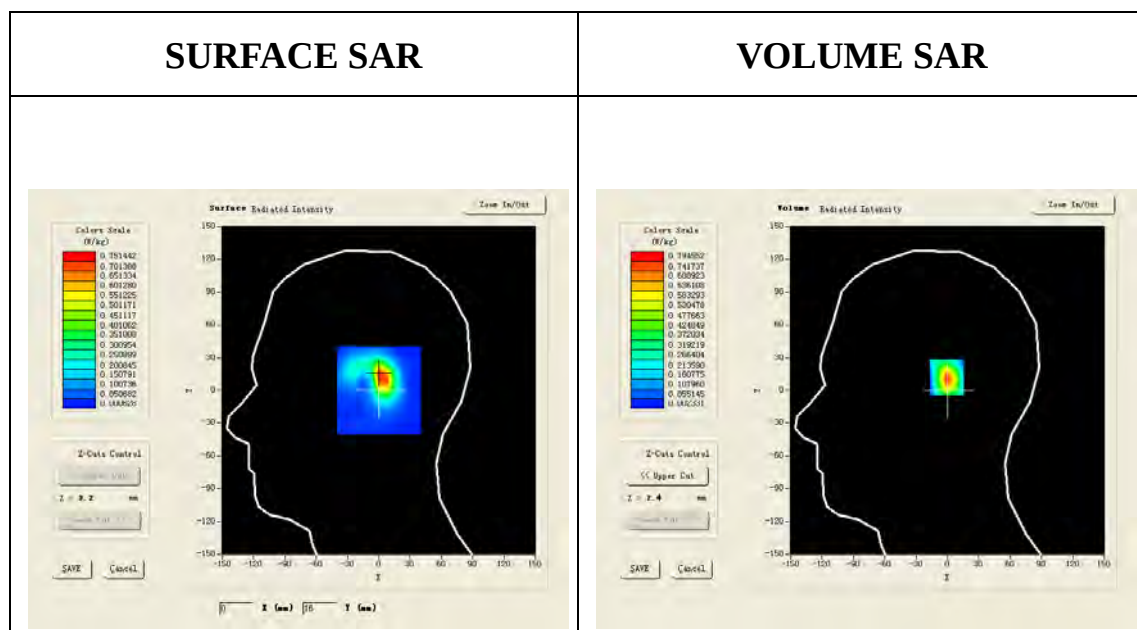
Satimo Configuration:

Probe:SSE5; Calibrated: 12/09/2011

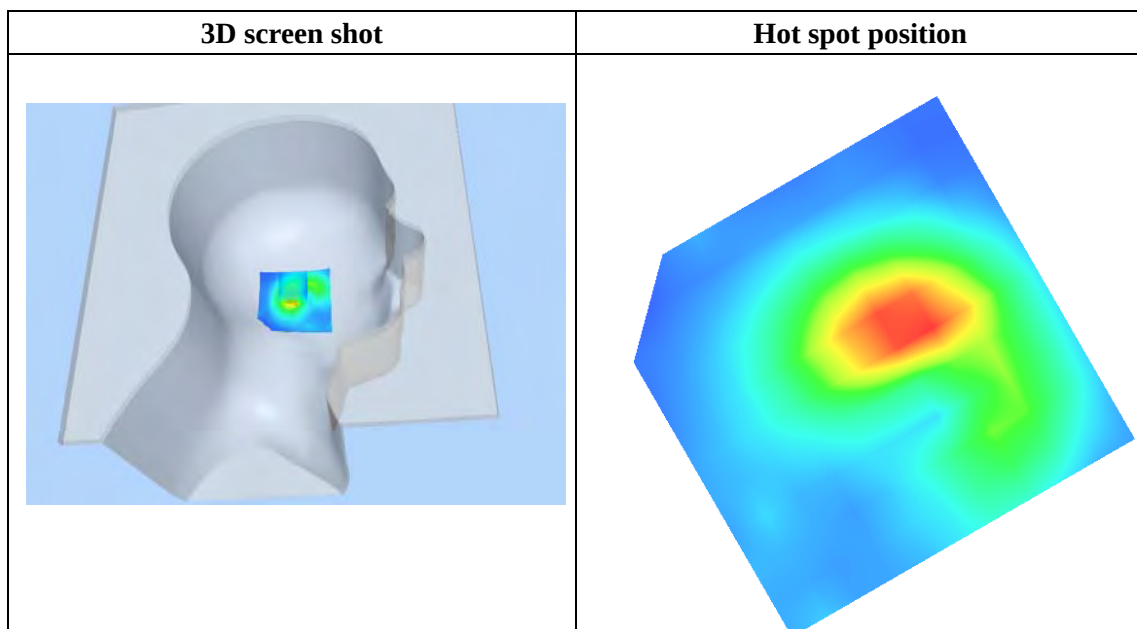
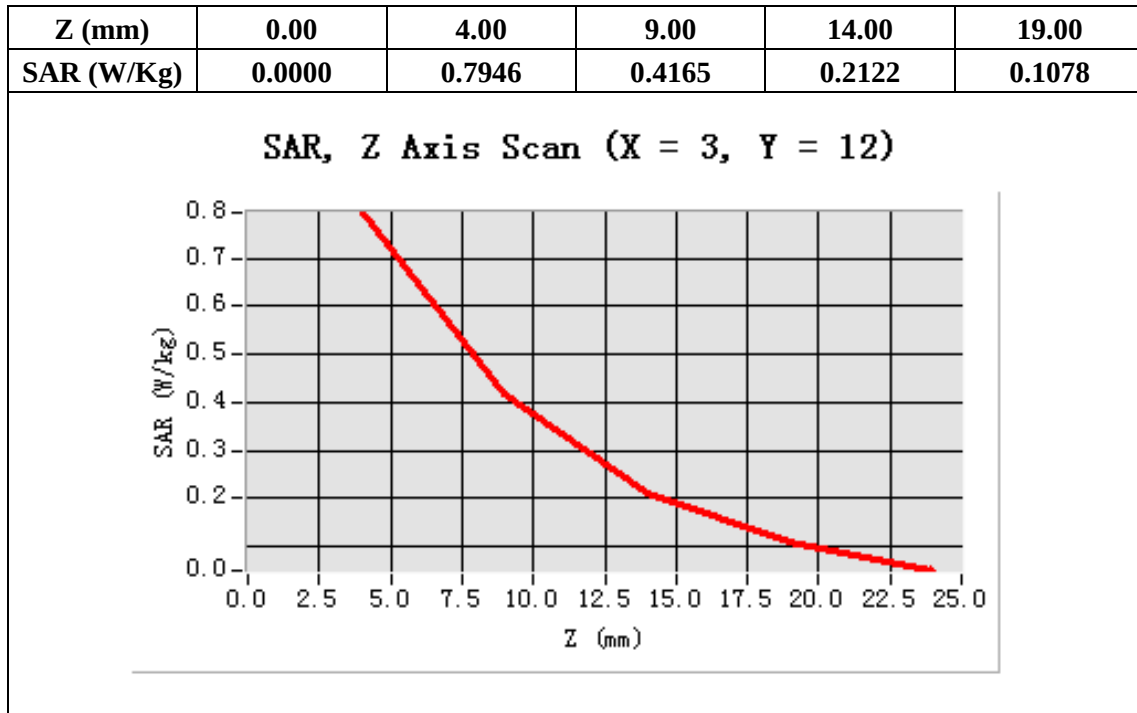
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Phantom: SAM1; Type: SAM
- Measurement SW: OpenSAR V4_02_01

Configuration/ WCDMA band II High- Touch-Right/Area Scan: Measurement grid: dx=20mm, dy=20mm**Configuration/ WCDMA band II High-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	WCDMA band II
Channels	High
Signal	TDMA (Crest factor: 1.0)

**Maximum location: X=3.00, Y=12.00**

SAR 10g (W/Kg)	0.319978
SAR 1g (W/Kg)	0.719455



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DUT:WCDMA MOBILE PHONE; Type: ANDROID 5100

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Cycle:1:1;Conv.F=6.42 Frequency: 1850.2 MHz; Medium parameters used: $f = 1900$ MHz; $\sigma = 1.39$ mho/m; $\epsilon_r = 40.07$; $\rho = 1000$ kg/m³ ;

Phantom section: Right Section

Ambient temperature (°C):21, Liquid temperature (°C):21

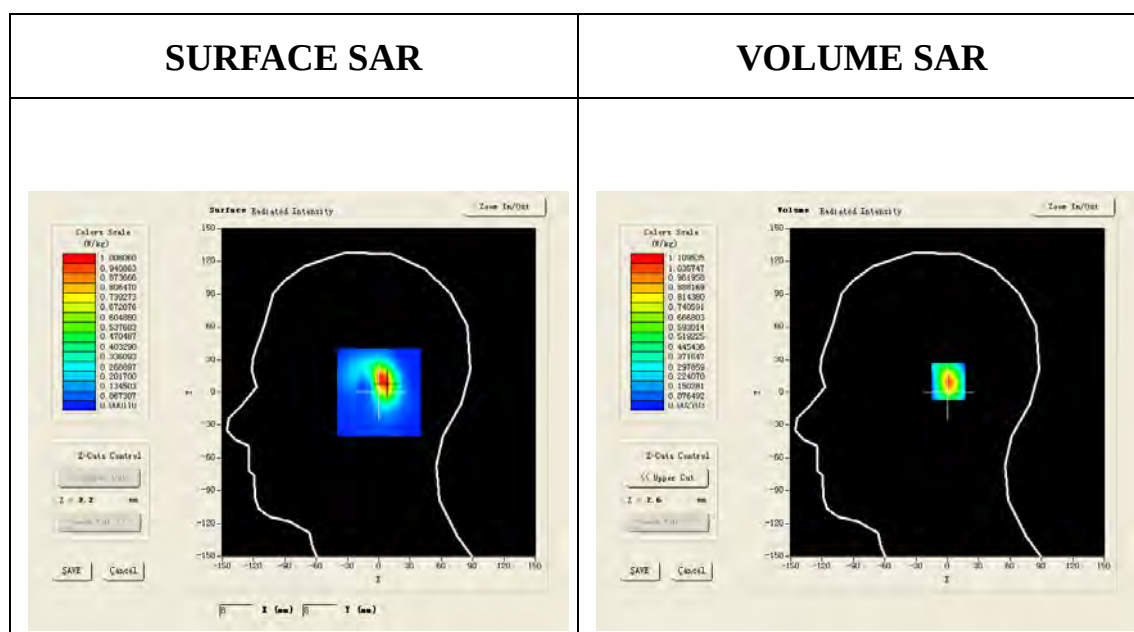
Satimo Configuration:

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

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

Configuration/PCS1900 Low- 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	WCDMA band II
Channels	Low
Signal	TDMA (Crest factor: 1.0)

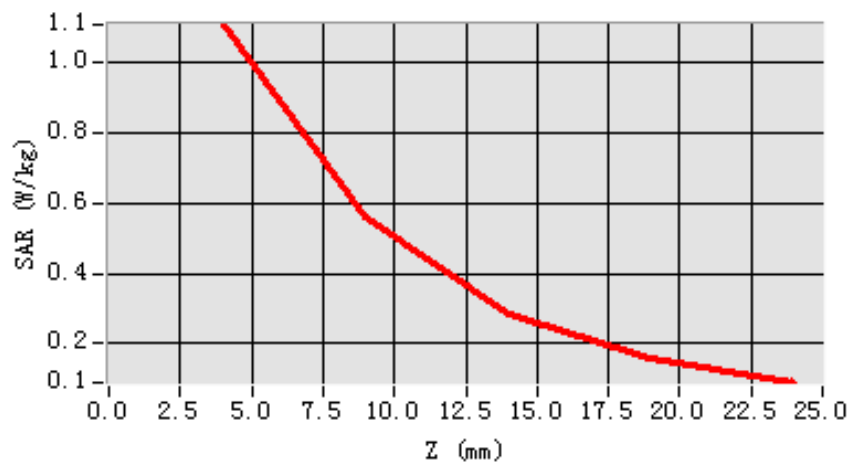


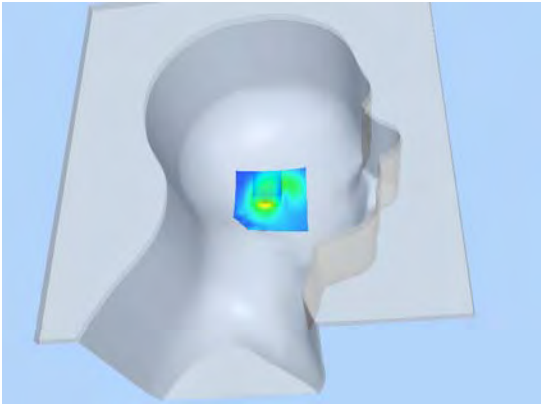
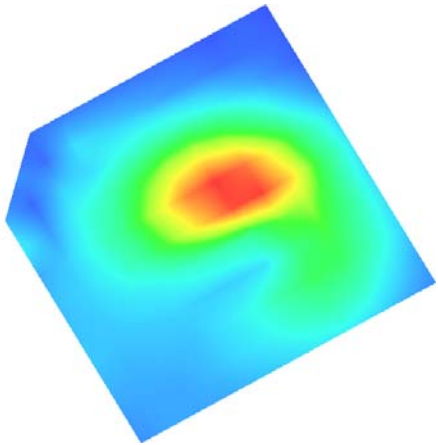
Maximum location: X=5.00, Y=10.00

SAR 10g (W/Kg)	0.441354
SAR 1g (W/Kg)	0.994310

Z (mm)	0.00	4.00	9.00	14.00	19.00
SAR (W/Kg)	0.0000	1.1095	0.5630	0.2875	0.1587

SAR, Z Axis Scan (X = 5, Y = 10)



3D screen shot	Hot spot position
	

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Date: Jul 18,2012

WCDMA band II Mid-Tilt Right <RMC>

DUT:WCDMA MOBILE PHONE; Type: ANDROID 5100

Communication System: UMTS; Communication System Band: Band II UTRA/FDD ;Duty

Cycle:1:1;Conv.F=6.42 Frequency: 1880 MHz; Medium parameters used: $f = 1900$ MHz; $\sigma = 1.39$ mho/m;
 $\epsilon_r = 40.07$; $\rho = 1000$ kg/m³ ;

Phantom section: Right Section

Ambient temperature (°C):21, Liquid temperature (°C):21

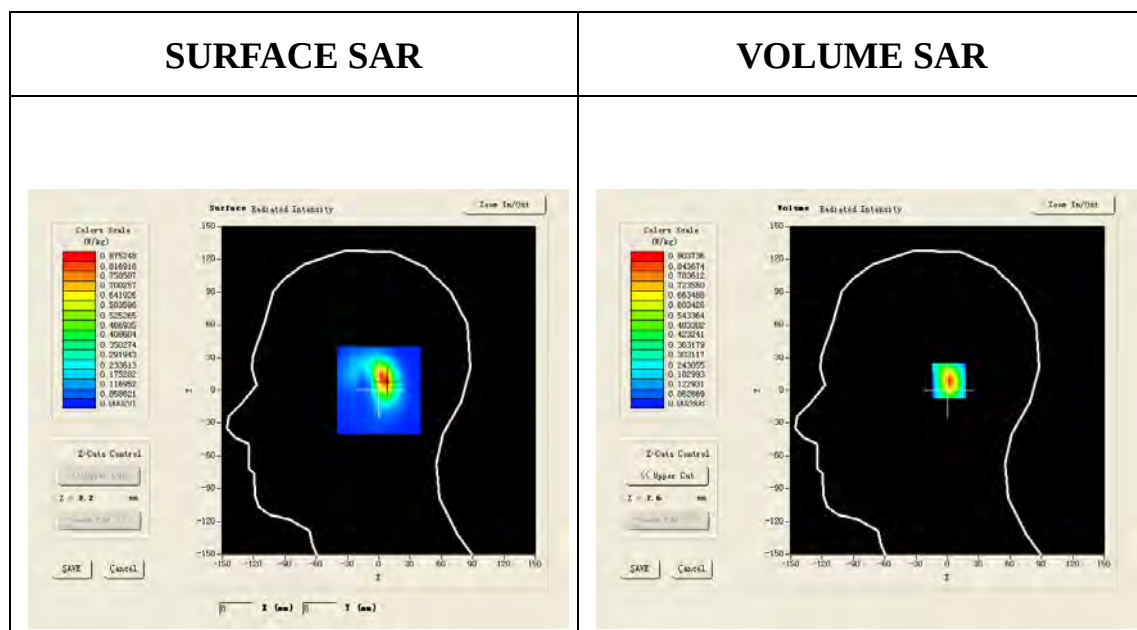
Satimo Configuration:

- 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	WCDMA band II
Channels	Middle
Signal	TDMA (Crest factor: 1.0)

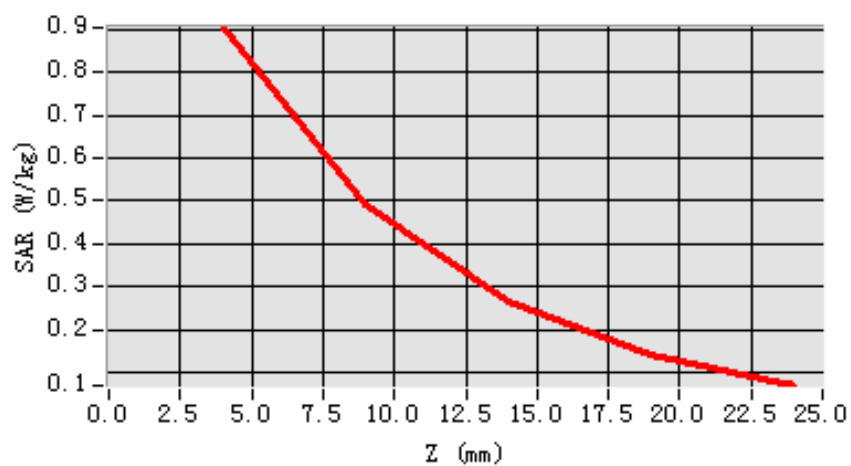


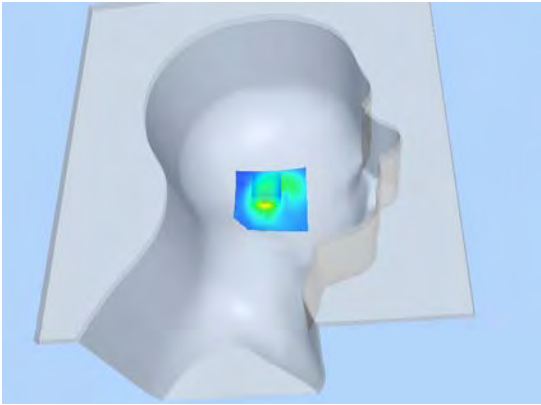
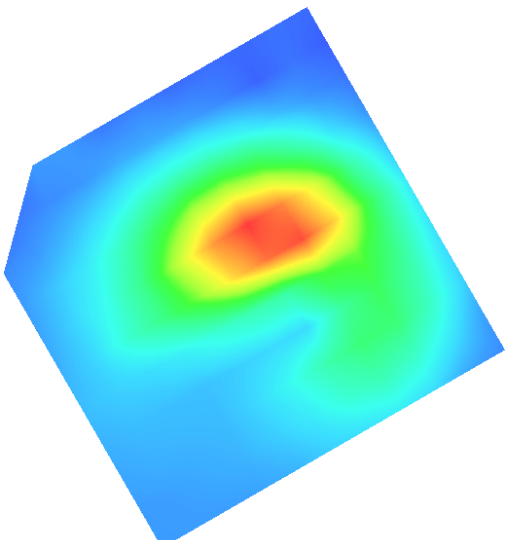
Maximum location: X=6.00, Y=9.00

SAR 10g (W/Kg)	0.363049
SAR 1g (W/Kg)	0.800416

Z (mm)	0.00	4.00	9.00	14.00	19.00
SAR (W/Kg)	0.0000	0.9037	0.4923	0.2628	0.1407

SAR, Z Axis Scan (X = 6, Y = 9)



3D screen shot	Hot spot position
	

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Date: Jul 18,2012

WCDMA band II High-Tilt Right <RMC>

DUT:WCDMA MOBILE PHONE; Type: ANDROID 5100

Communication System: UMTS; Communication System Band: Band II UTRA/FDD ;Duty

Cycle:1:1;Conv.F=6.42 Frequency: 1909.8 MHz; Medium parameters used: $f = 1900$ MHz; $\sigma = 1.39$ mho/m; $\epsilon_r = 40.07$; $\rho = 1000$ kg/m³ ;

Phantom section: Right Section

Ambient temperature (°C):21, Liquid temperature (°C):21

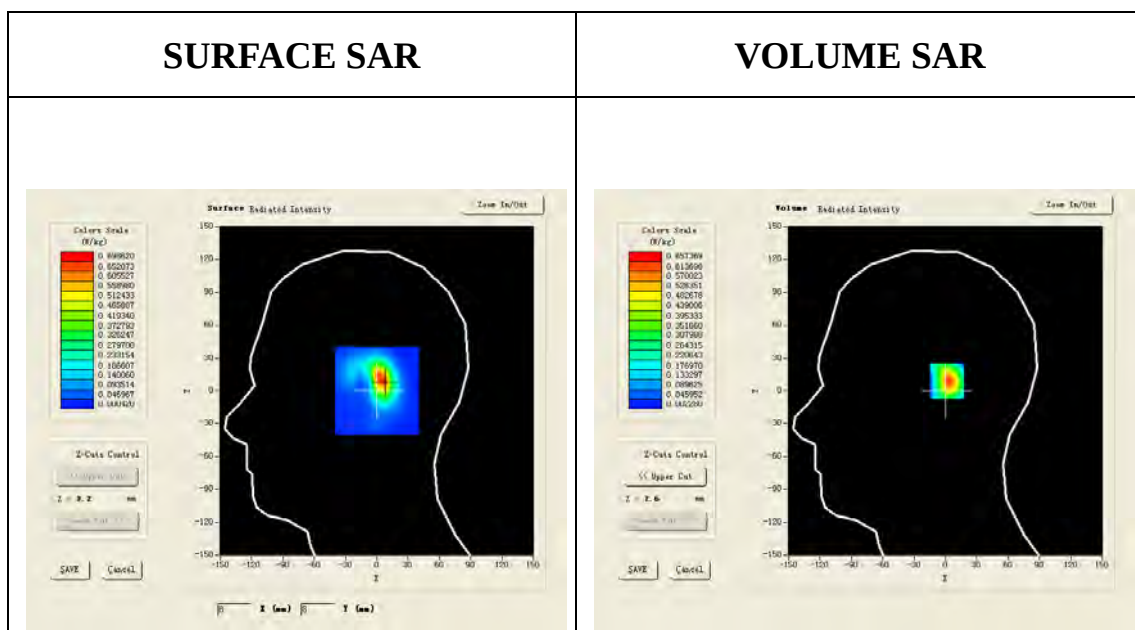
Satimo Configuration:

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

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

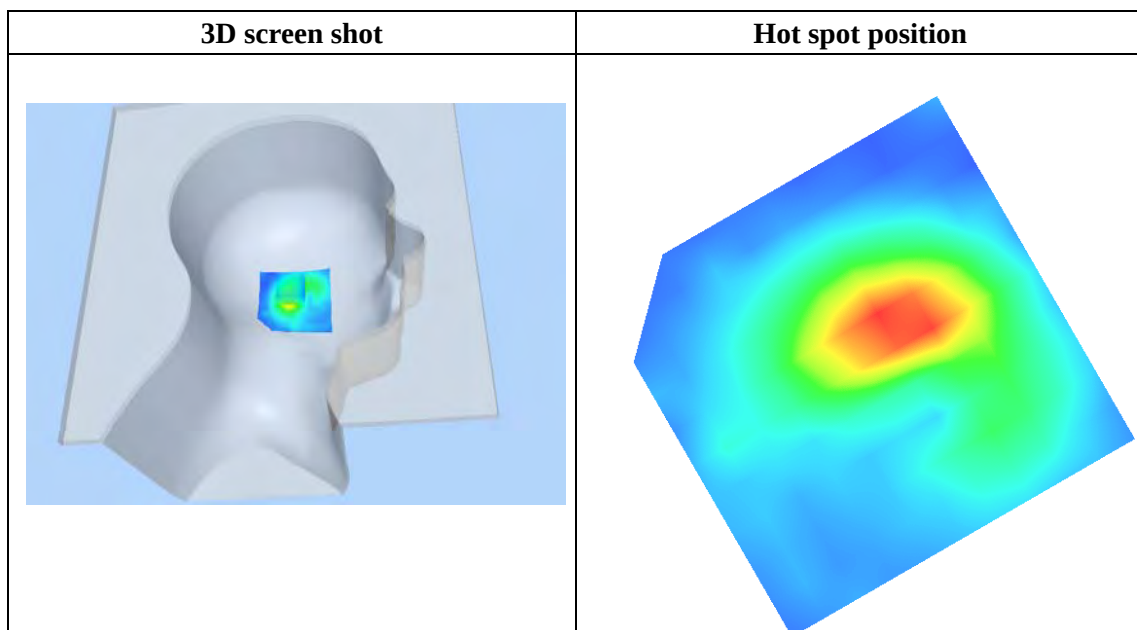
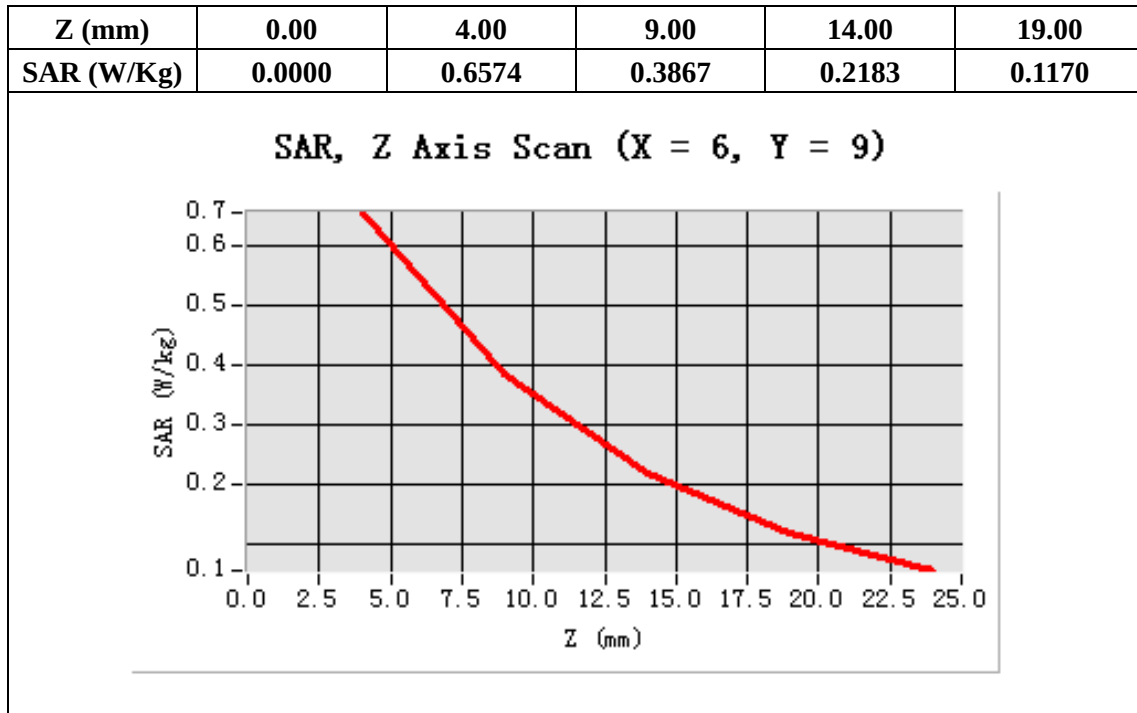
Configuration/PCS1900 High- Tilt-Right/Zoom Scan: Measurement grid: dx=8mm, dy=8mm, dz=5mm;

Area Scan	sam_direct_droit2_surf8mm.txt
ZoomScan	5x5x7,dx=8mm dy=8mm dz=5mm,Very fast
Phantom	Right head
Device Position	Tilt
Band	WCDMA band II
Channels	High
Signal	TDMA (Crest factor: 1.0)



Maximum location: X=6.00, Y=9.00

SAR 10g (W/Kg)	0.288356
SAR 1g (W/Kg)	0.603476



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Date: Jul 18,2012

WCDMA band II Mid-Body-towards grounds (RMC)

DUT:WCDMA MOBILE PHONE; Type: ANDROID 5100

Communication System: UMTS; Communication System Band: Band II UTRA/FDD ;Duty Cycle:1:1;

convF=6.42 Frequency: 1880 MHz; Medium parameters used: $f = 1900$ MHz; $\sigma = 1.48$ mho/m; $\epsilon_r = 53.28$; $\rho = 1000$ kg/m³ ;

Phantom section: Flat Section

Ambient temperature (°C):21, Liquid temperature (°C):21

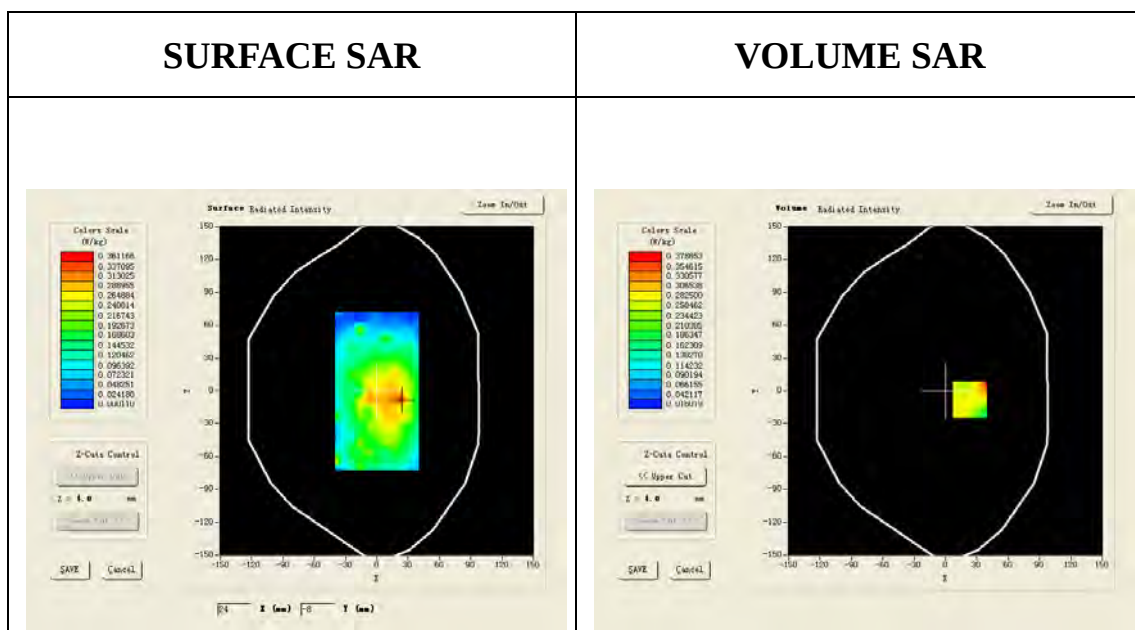
Satimo Configuration:

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

Configuration/ WCDMA band II Mid Body-back/Area Scan: Measurement grid: dx=20mm, dy=20mm

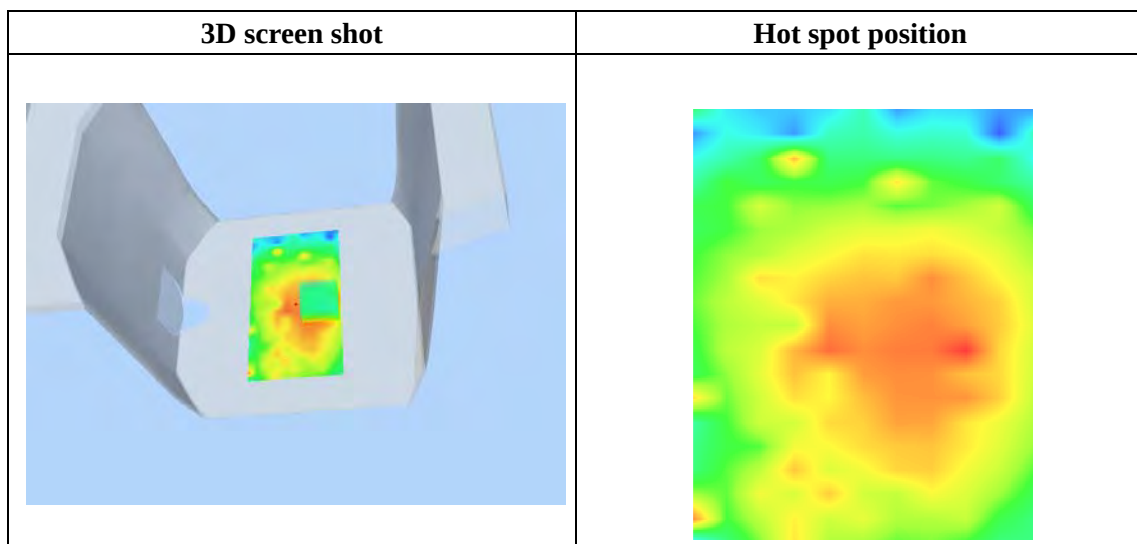
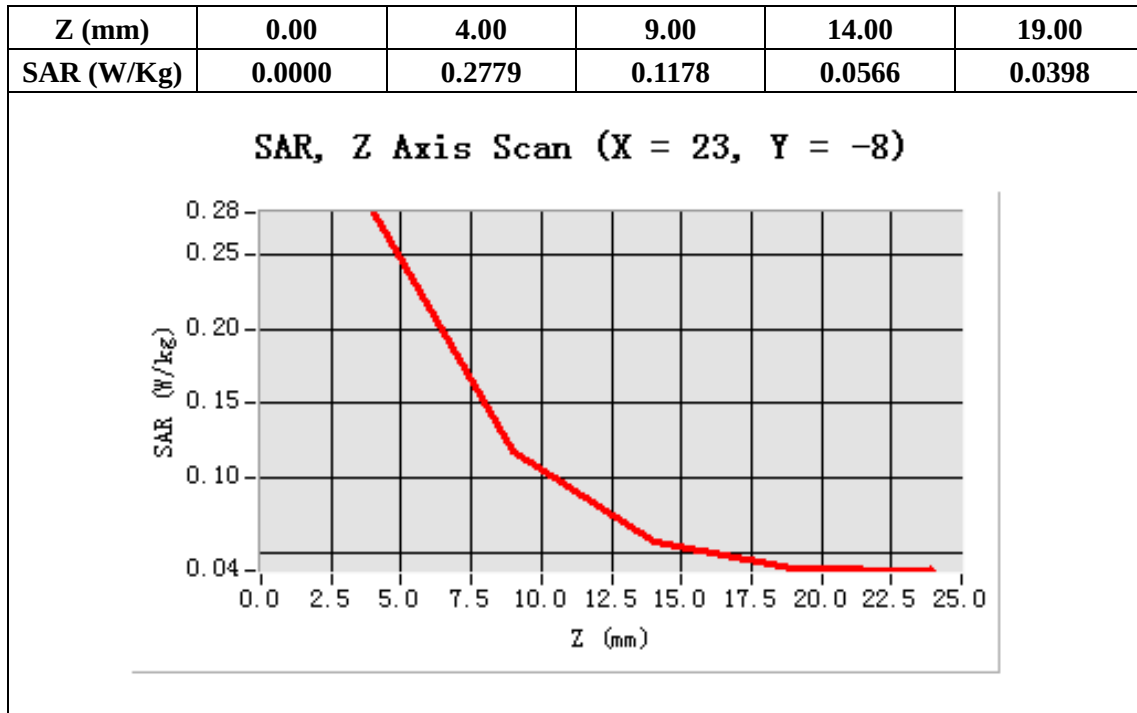
Configuration/ WCDMA band II Mid Body-back/Zoom Scan: Measurement grid: dx=8mm, dy=8mm, dz=5mm;

Area Scan	surf_sam_plan.txt
ZoomScan	5x5x7,dx=8mm dy=8mm dz=5mm,Very fast
Phantom	Validation plane
Device Position	Body Back
Band	WCDMA band II
Channels	Middle
Signal	TDMA (Crest factor: 1.0)



Maximum location: X=23.00, Y=-8.00

SAR 10g (W/Kg)	0.180484
SAR 1g (W/Kg)	0.340576



Test Laboratory: AGC Lab

Date: Jul 18,2012

WCDMA band II Mid-Body-towards phantom (RMC)

DUT:WCDMA MOBILE PHONE; Type: ANDROID 5100

Communication System: UMTS; Communication System Band: Band II UTRA/FDD ;Duty

Cycle:1:1;Conv.F=6.42 Frequency: 1880 MHz; Medium parameters used: $f = 1900$ MHz; $\sigma = 1.48$ mho/m; $\epsilon_r = 53.28$; $\rho = 1000$ kg/m³ ;

Phantom section: Flat Section

Ambient temperature (°C):21, Liquid temperature (°C):21

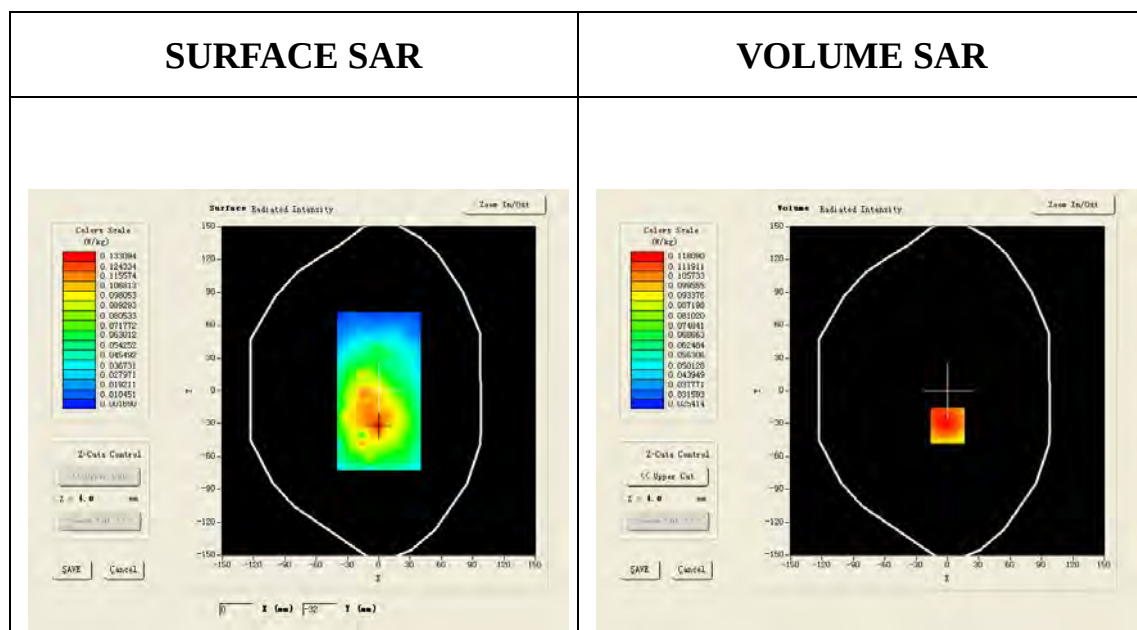
Satimo Configuration:

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

Configuration/ WCDMA band II Mid Body-Front/Area Scan: Measurement grid: dx=20mm, dy=20mm

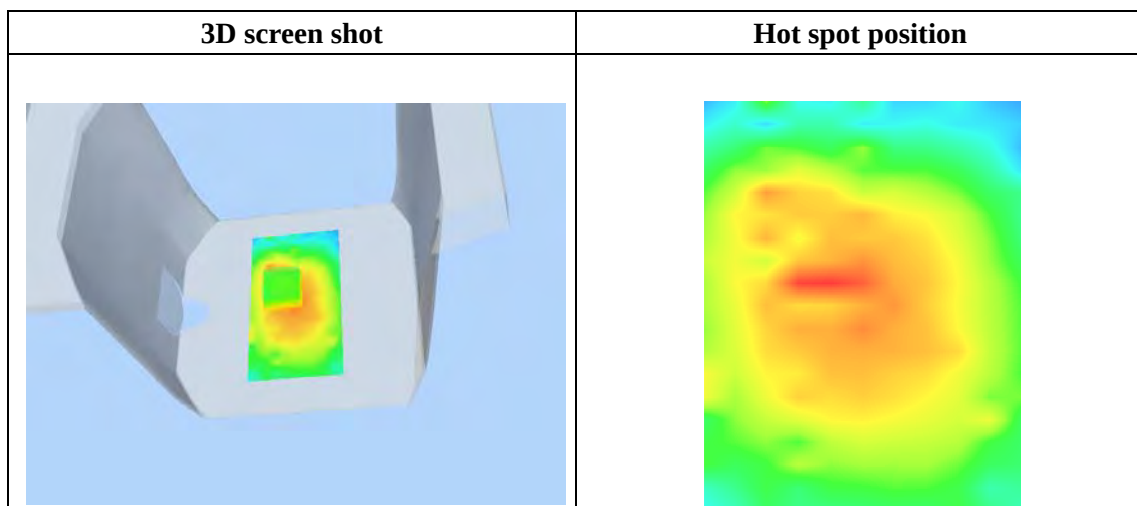
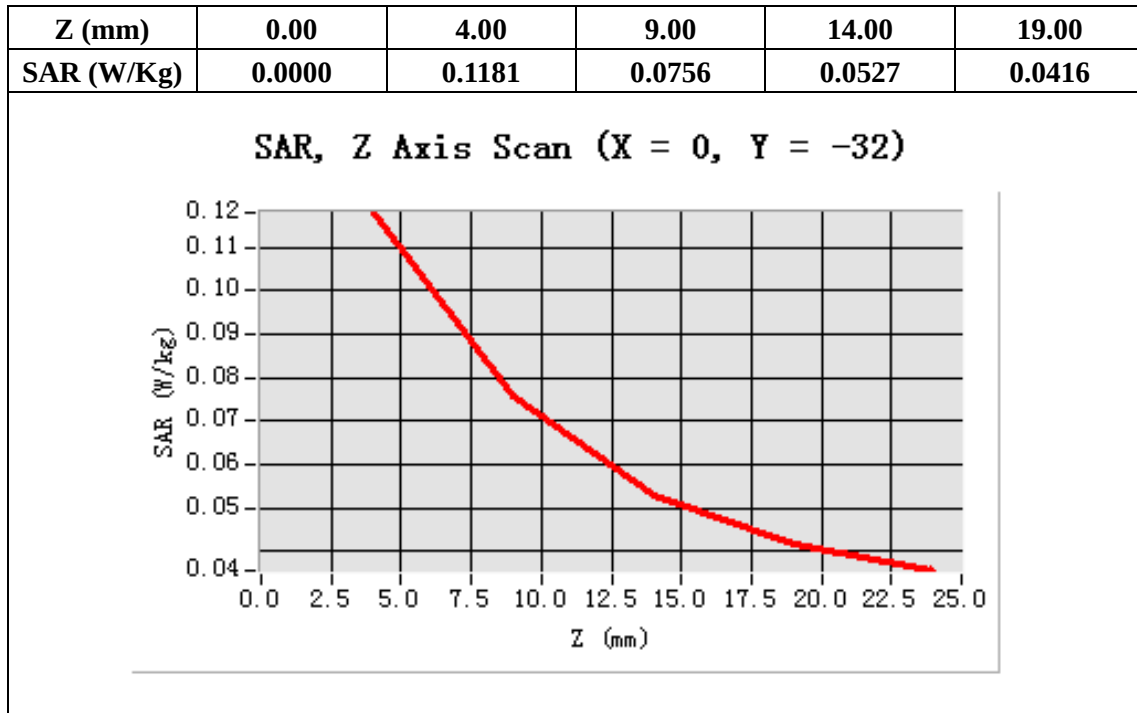
Configuration/ WCDMA band II Mid Body-Front/Zoom Scan: Measurement grid: dx=8mm, dy=8mm, dz=5mm;

Area Scan	surf_sam_plan.txt
ZoomScan	5x5x7,dx=8mm dy=8mm dz=5mm,Very fast
Phantom	Validation plane
Device Position	Body Front
Band	WCDMA band II
Channels	Middle
Signal	TDMA (Crest factor: 1.0)



Maximum location: X=0.00, Y=-32.00

SAR 10g (W/Kg)	0.085869
SAR 1g (W/Kg)	0.124819



Test Laboratory: AGC Lab

Date: Jul 18,2012

WCDMA band II Mid-Body-towards ground (HSDPA)

DUT:WCDMA MOBILE PHONE; Type: ANDROID 5100

Communication System: UMTS; Communication System Band: Band II UTRA/FDD ;Duty Cycle:1:1;

convF=6.42 Frequency: 1880 MHz; Medium parameters used: $f = 1900$ MHz; $\sigma = 1.48$ mho/m; $\epsilon_r = 53.28$; $\rho = 1000$ kg/m³ ;

Phantom section: Flat Section

Ambient temperature (°C):21, Liquid temperature (°C):21

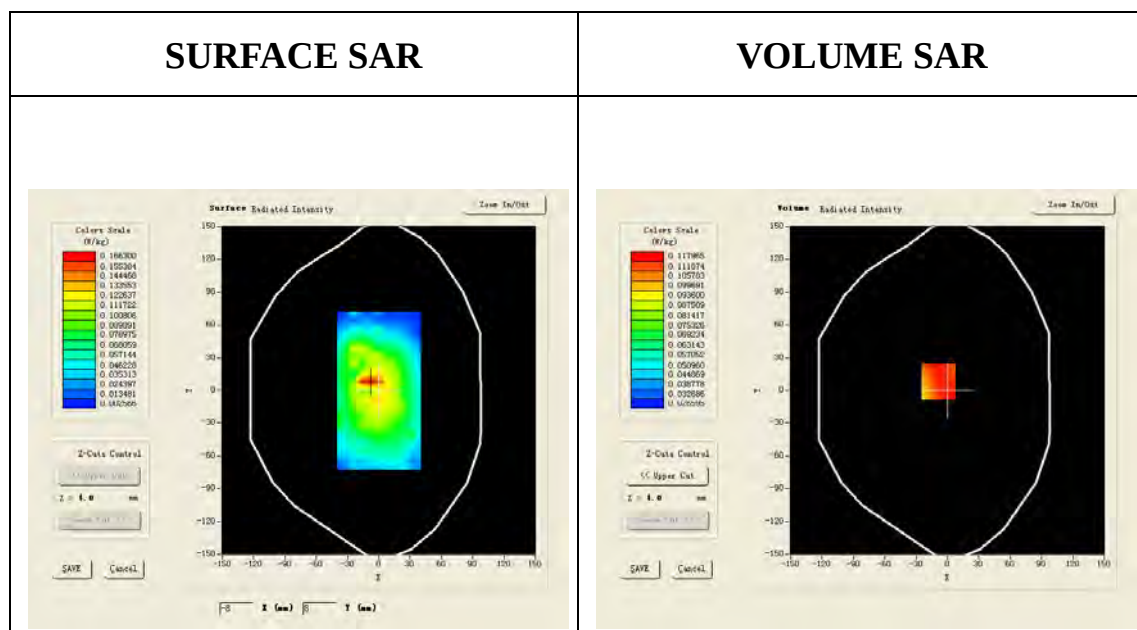
Satimo Configuration:

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

Configuration/ WCDMA band II Mid Body-back/Area Scan: Measurement grid: dx=20mm, dy=20mm

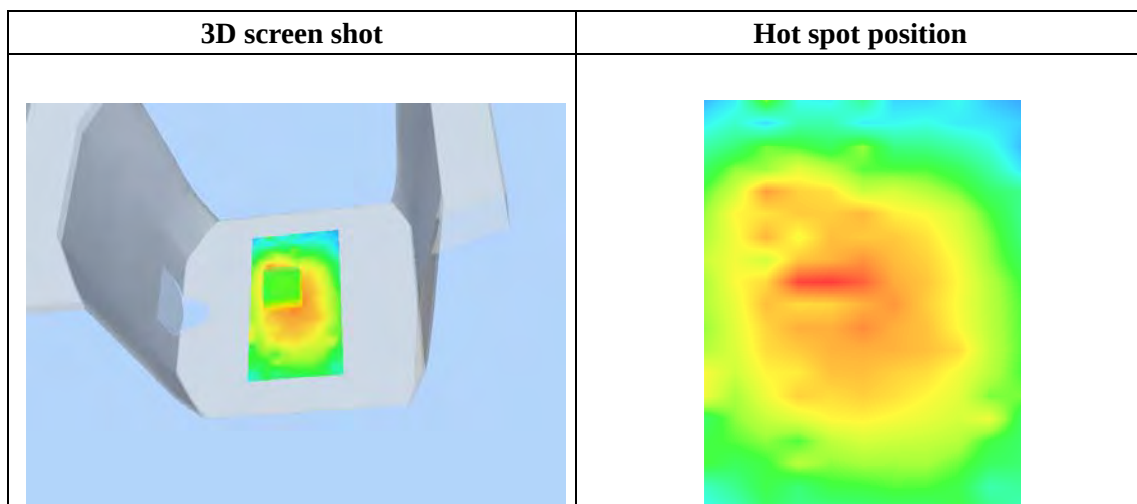
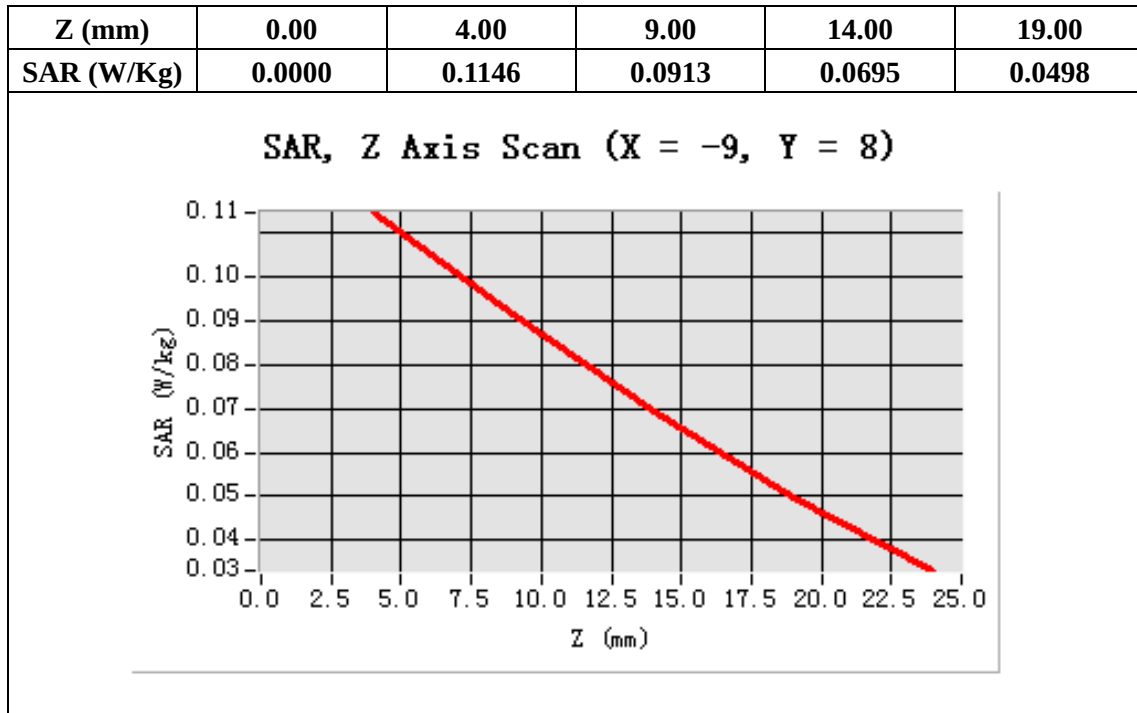
Configuration/ WCDMA band II Mid Body-back/Zoom Scan: Measurement grid: dx=8mm, dy=8mm, dz=5mm;

Area Scan	surf_sam_plan.txt
ZoomScan	5x5x7,dx=8mm dy=8mm dz=5mm,Very fast
Phantom	Validation plane
Device Position	Body Back
Band	WCDMA band II
Channels	Middle
Signal	TDMA (Crest factor: 1.0)



Maximum location: X=-9.00, Y=8.00

SAR 10g (W/Kg)	0.089918
SAR 1g (W/Kg)	0.123057



Test Laboratory: AGC Lab

Date: Jul 18,2012

WCDMA band II Mid-Body-towards ground (RMC with earphone)

DUT:WCDMA MOBILE PHONE; Type: ANDROID 5100

Communication System: UMTS; Communication System Band: Band II UTRA/FDD ;Duty Cycle:1:1;

convF=6.42 Frequency: 1880 MHz; Medium parameters used: $f = 1900$ MHz; $\sigma = 1.48$ mho/m; $\epsilon_r = 53.28$; $\rho = 1000$ kg/m³ ;

Phantom section: Flat Section

Ambient temperature (°C):21, Liquid temperature (°C):21

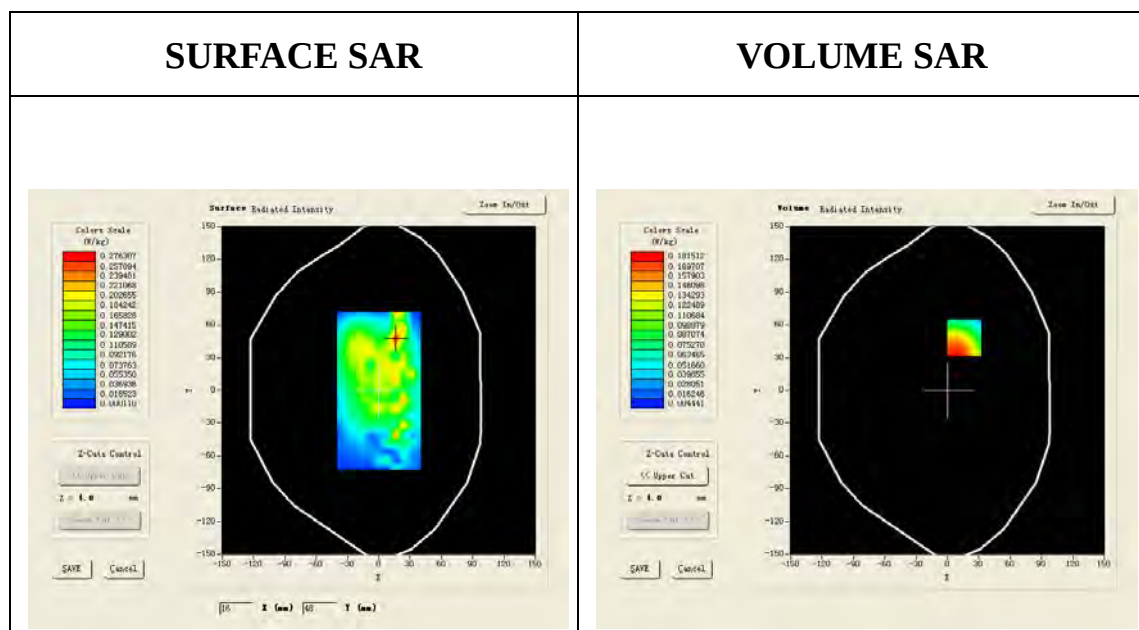
Satimo Configuration:

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

Configuration/ WCDMA band II Mid Body-back/Area Scan: Measurement grid: dx=20mm, dy=20mm

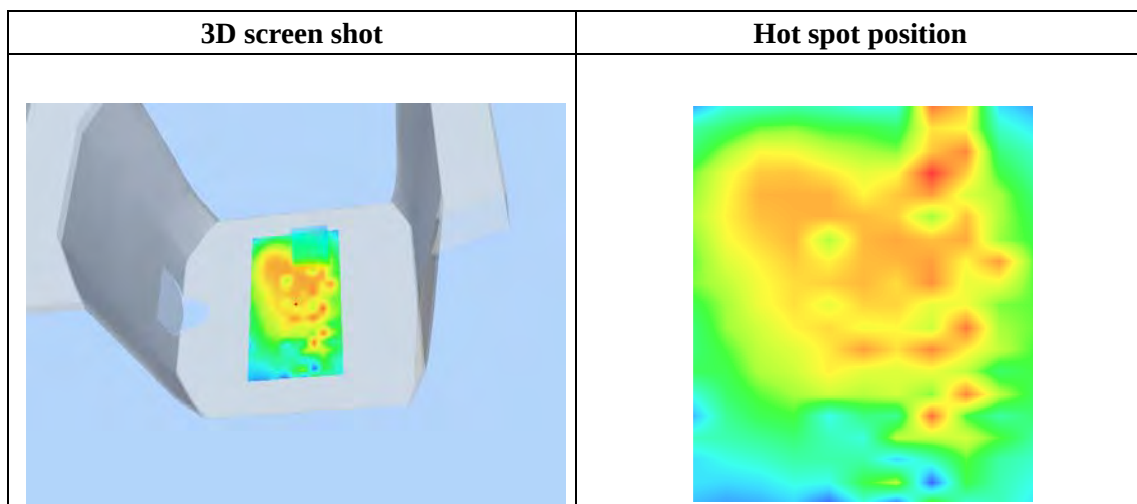
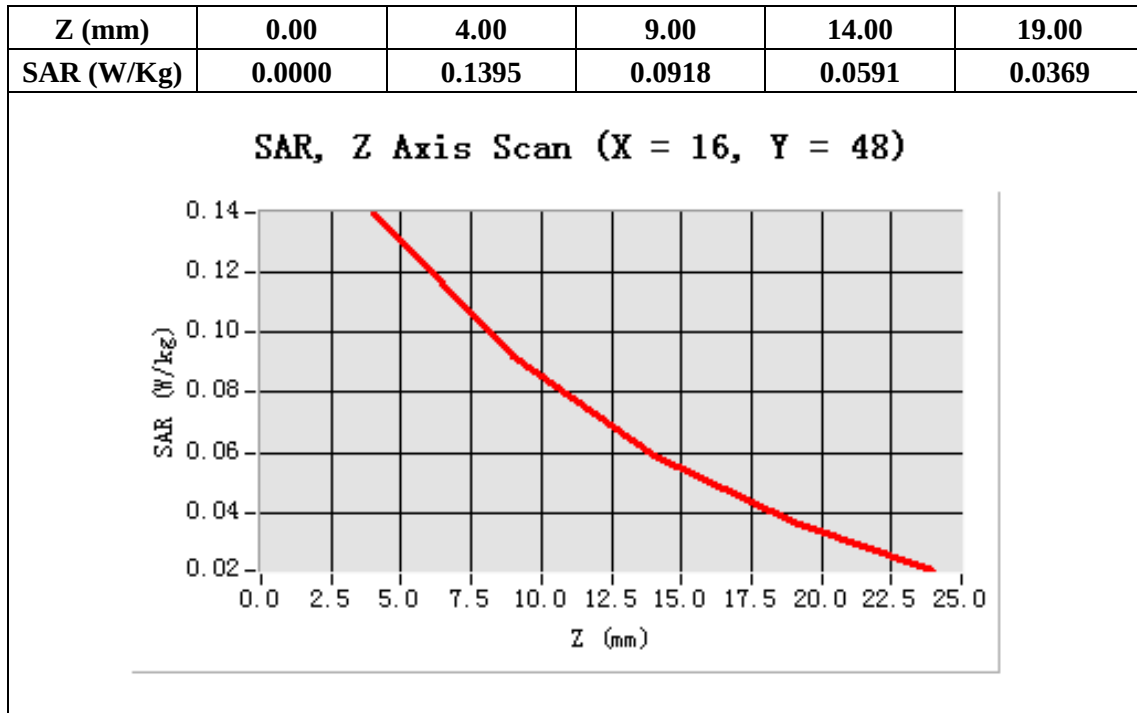
Configuration/ WCDMA band II Mid Body-back/Zoom Scan: Measurement grid: dx=8mm, dy=8mm, dz=5mm;

Area Scan	surf_sam_plan.txt
ZoomScan	5x5x7,dx=8mm dy=8mm dz=5mm,Very fast
Phantom	Validation plane
Device Position	Body Back
Band	WCDMA band II
Channels	Middle
Signal	TDMA (Crest factor: 1.0)



Maximum location: X=16.00, Y=48.00

SAR 10g (W/Kg)	0.100873
SAR 1g (W/Kg)	0.167891



Test Laboratory: AGC Lab

Date: Jul 18,2012

WCDMA Band V Middle-touch-Left (RMC)

DUT:WCDMA MOBILE PHONE; Type: ANDROID 5100

Communication System: UMTS; Communication System Band: BAND V UTRA/FDD ; DutyCycle:1: 1;

Conv.F=6.79 Frequency: 835 MHz; Medium parameters used: $f = 835$ MHz; $\sigma = 0.88$ mho/m; $\epsilon_r = 41.69$; $\rho = 1000$ kg/m³ ;

Phantom section: Left Section

Ambient temperature (°C): 21, Liquid temperature (°C): 21

Satimo Configuration:

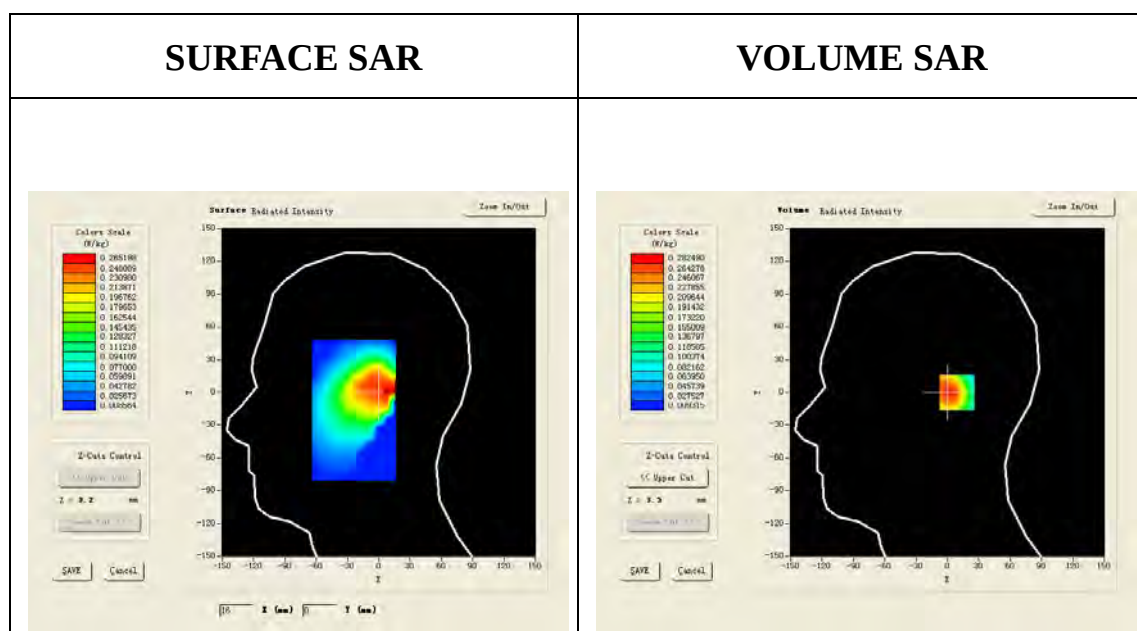
Probe:SSE5; Calibrated: 12/09/2011

- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Phantom: SAM1; Type: SAM
- Measurement SW: OpenSAR V4_02_01

Configuration/ WCDMA Band V Mid Touch-Left/Area Scan (6x8x1): Measurement grid: dx=20mm, dy=20mm

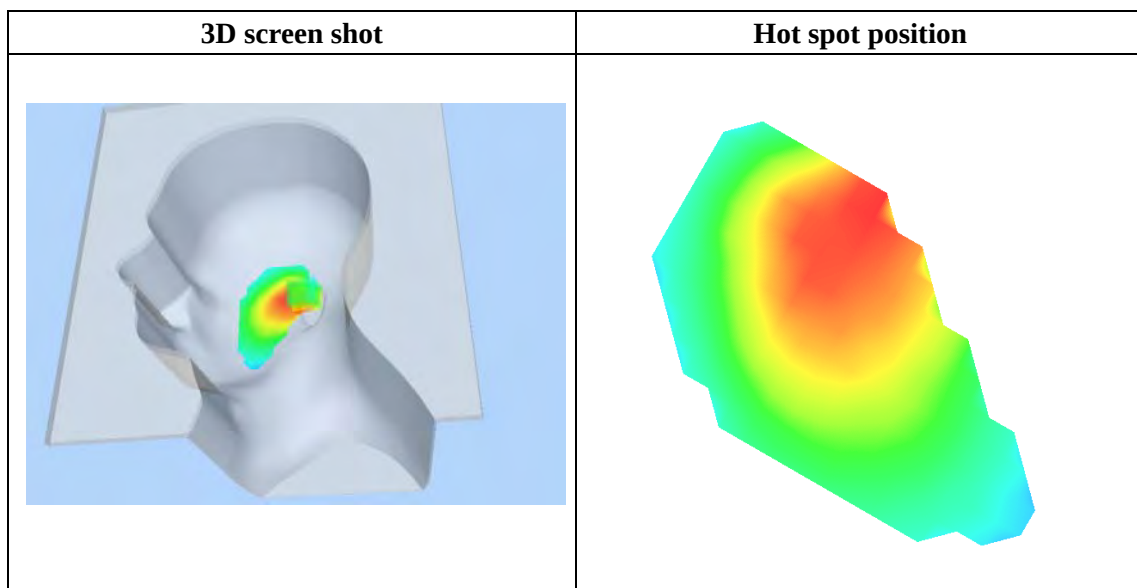
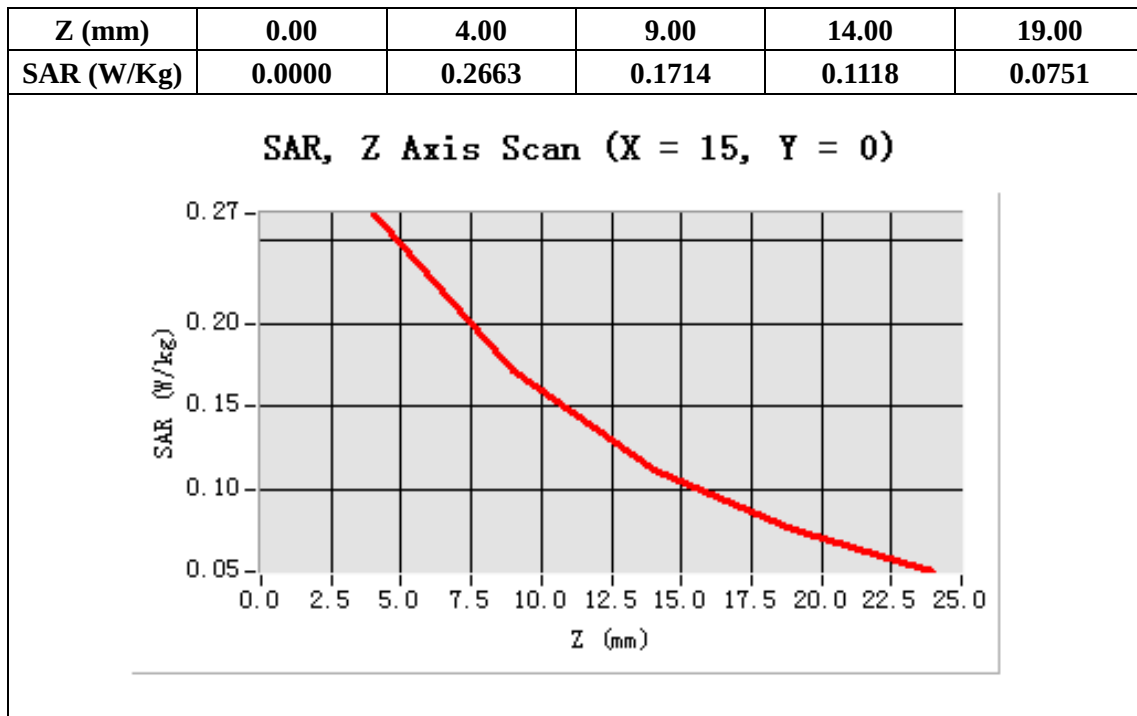
Configuration/ WCDMA Band V Mid Touch-Left/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Area Scan	sam_direct_droit2_surf8mm.txt
ZoomScan	5x5x7,dx=8mm dy=8mm dz=5mm,Very fast
Phantom	Left head
Device Position	Cheek
Band	WCDMA Band V
Channels	Middle
Signal	TDMA (Crest factor: 1.0)



Maximum location: X=15.00, Y=0.00

SAR 10g (W/Kg)	0.166244
SAR 1g (W/Kg)	0.267854



Test Laboratory: AGC Lab

Date: Jul 18,2012

WCDMA Band V Mid Tilt-left (RMC)

DUT:WCDMA MOBILE PHONE; Type: ANDROID 5100

Communication System: UMTS; Communication System Band: BAND V UTRA/FDD ; DutyCycle:1: 1;

Conv.F=6.79 Frequency: 835 MHz; Medium parameters used: $f = 835$ MHz; $\sigma = 0.88$ mho/m; $\epsilon_r = 41.69$; $\rho = 1000$ kg/m³ ;

Phantom section: Left Section

Ambient temperature (°C): 21, Liquid temperature (°C): 21

Satimo Configuration:

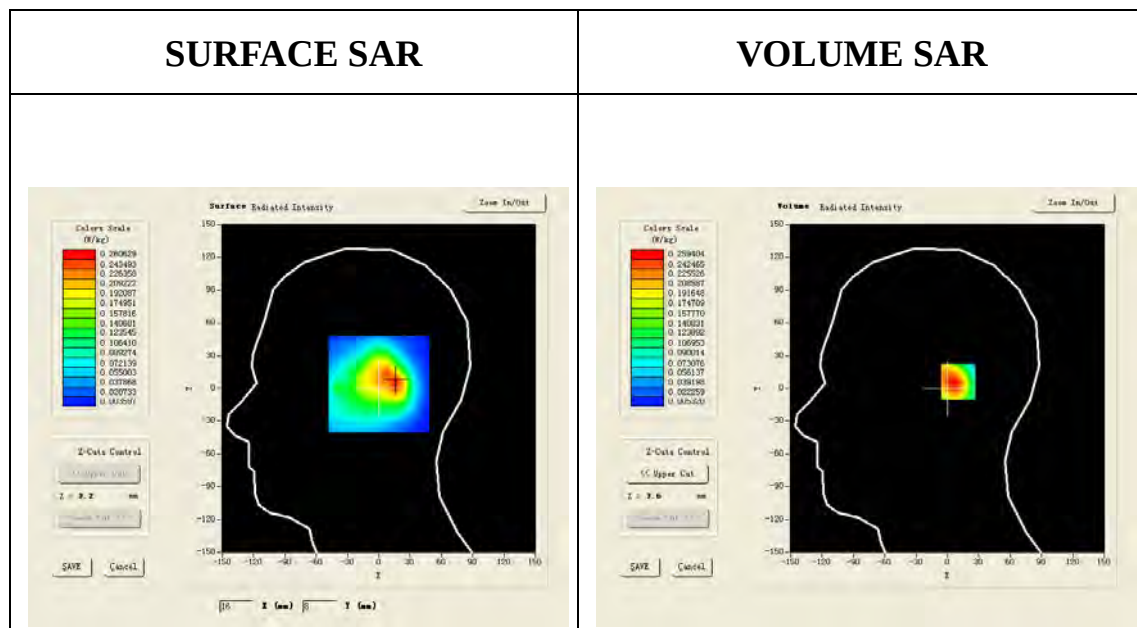
Probe:SSE5; Calibrated: 12/09/2011

- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Phantom: SAM1; Type: SAM
- Measurement SW: OpenSAR V4_02_01

Configuration/ WCDMA Band V Mid Tilt-Left/Area Scan (6x8x1): Measurement grid: dx=20mm, dy=20mm

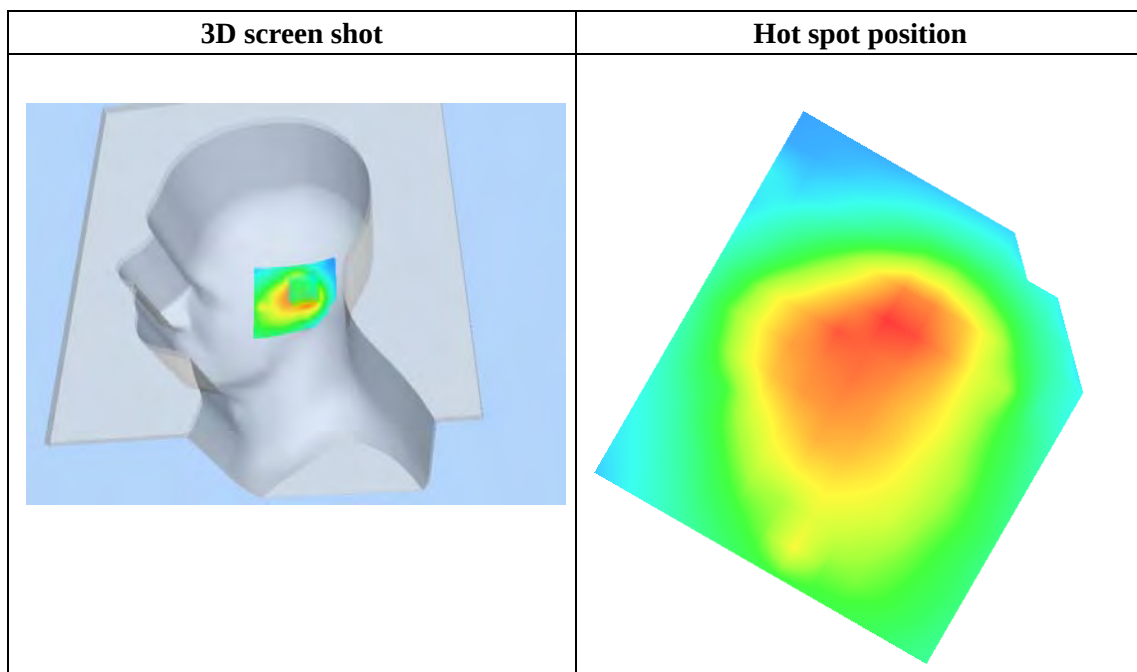
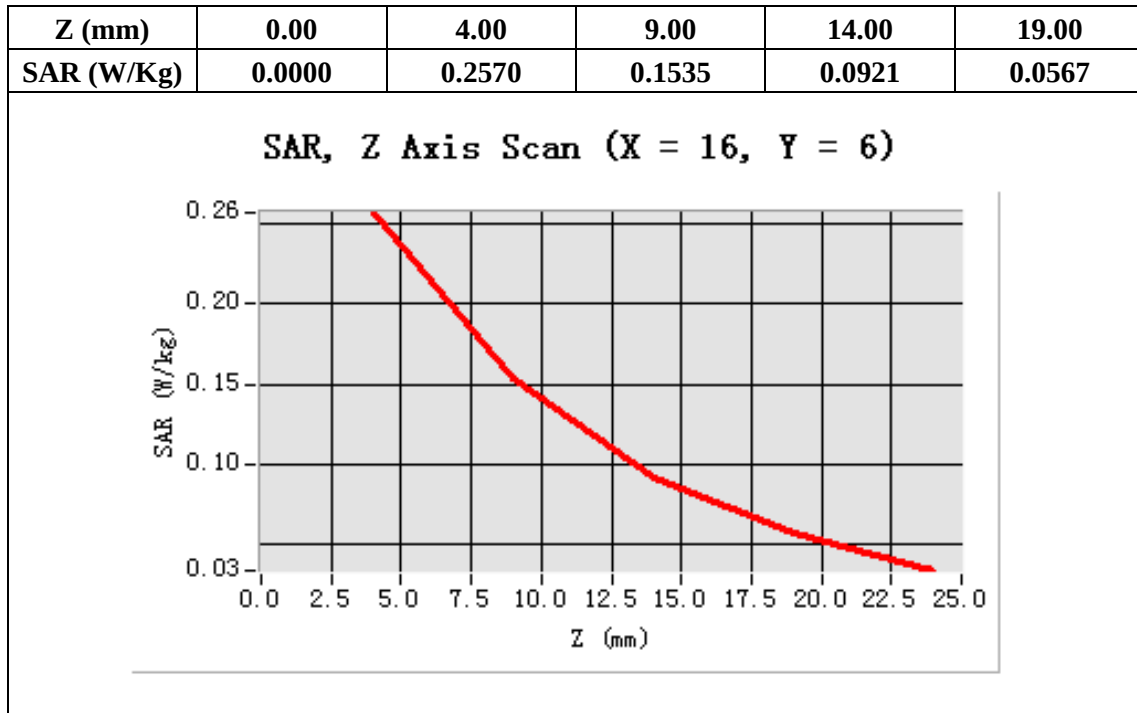
Configuration/ WCDMA Band V Mid Tilt-Left/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm;

Area Scan	sam_direct_droit2_surf8mm.txt
ZoomScan	5x5x7,dx=8mm dy=8mm dz=5mm,Very fast
Phantom	Left head
Device Position	Tilt
Band	WCDMA Band V
Channels	Middle
Signal	TDMA (Crest factor: 1.0)



Maximum location: X=16.00, Y=6.00

SAR 10g (W/Kg)	0.143019
SAR 1g (W/Kg)	0.250467



Test Laboratory: AGC Lab

Date: Jul 18,2012

WCDMA Band V Middle touch-Right (RMC)

DUT:WCDMA MOBILE PHONE; Type: ANDROID 5100

Communication System: UMTS; Communication System Band: BAND V UTRA/FDD ; DutyCycle:1: 1;

Conv.F=6.79 Frequency: 835 MHz; Medium parameters used: $f = 835$ MHz; $\sigma = 0.88$ mho/m; $\epsilon_r = 41.69$; $\rho = 1000$ kg/m³ ;

Phantom section: Right Section

Ambient temperature (°C): 21, Liquid temperature (°C): 21

Satimo Configuration:

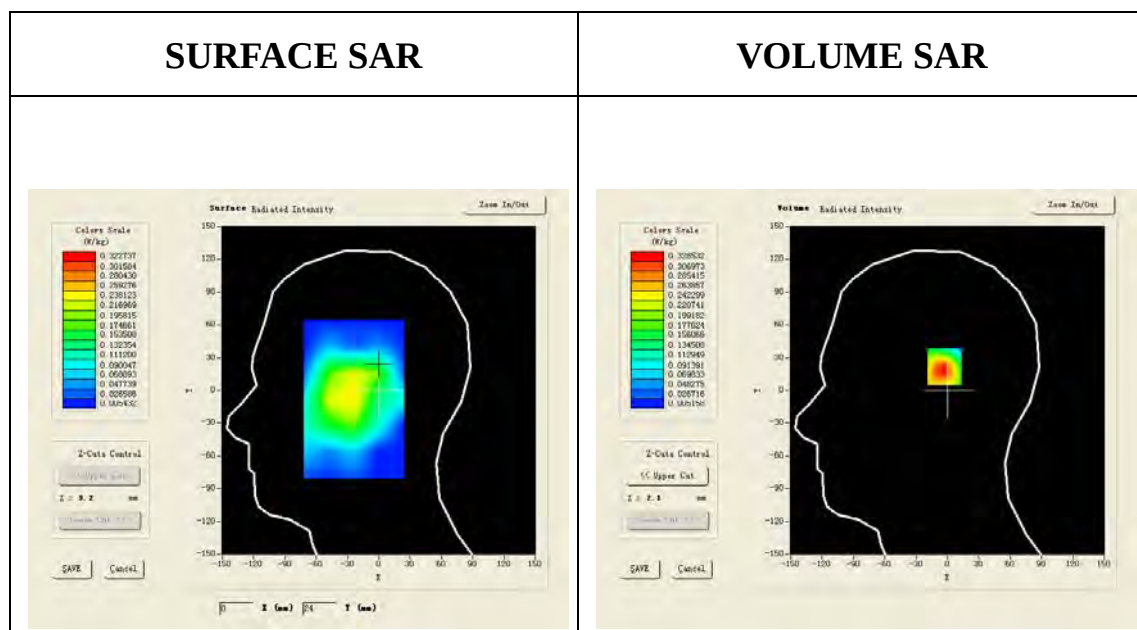
Probe:SSE5; Calibrated: 12/09/2011

- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Phantom: SAM1; Type: SAM
- Measurement SW: OpenSAR V4_02_01

Configuration/ WCDMA Band V Mid Touch-Right/Area Scan: Measurement grid: dx=20mm, dy=20mm

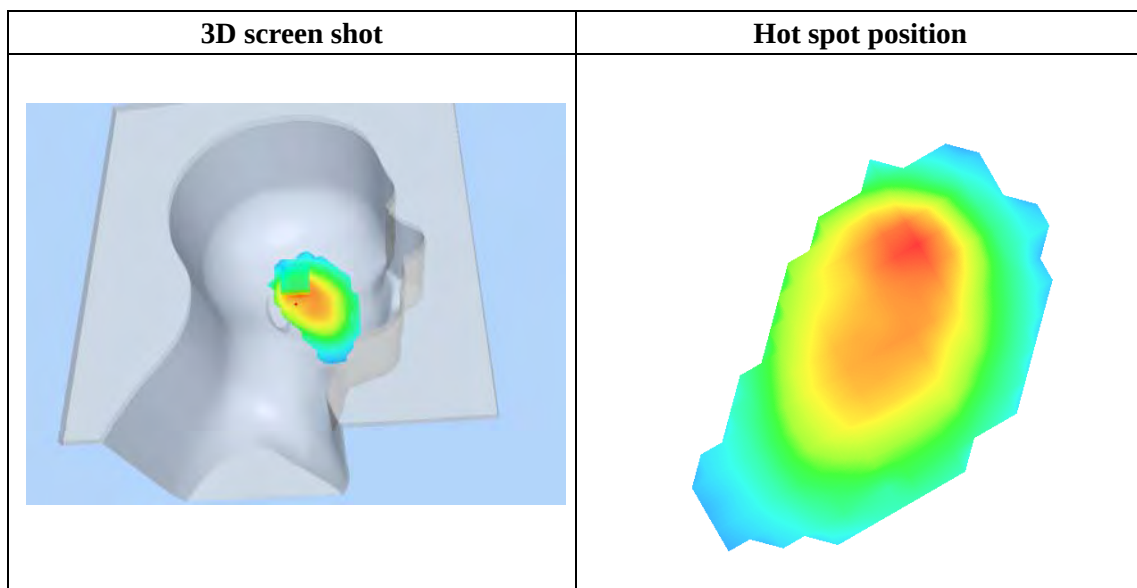
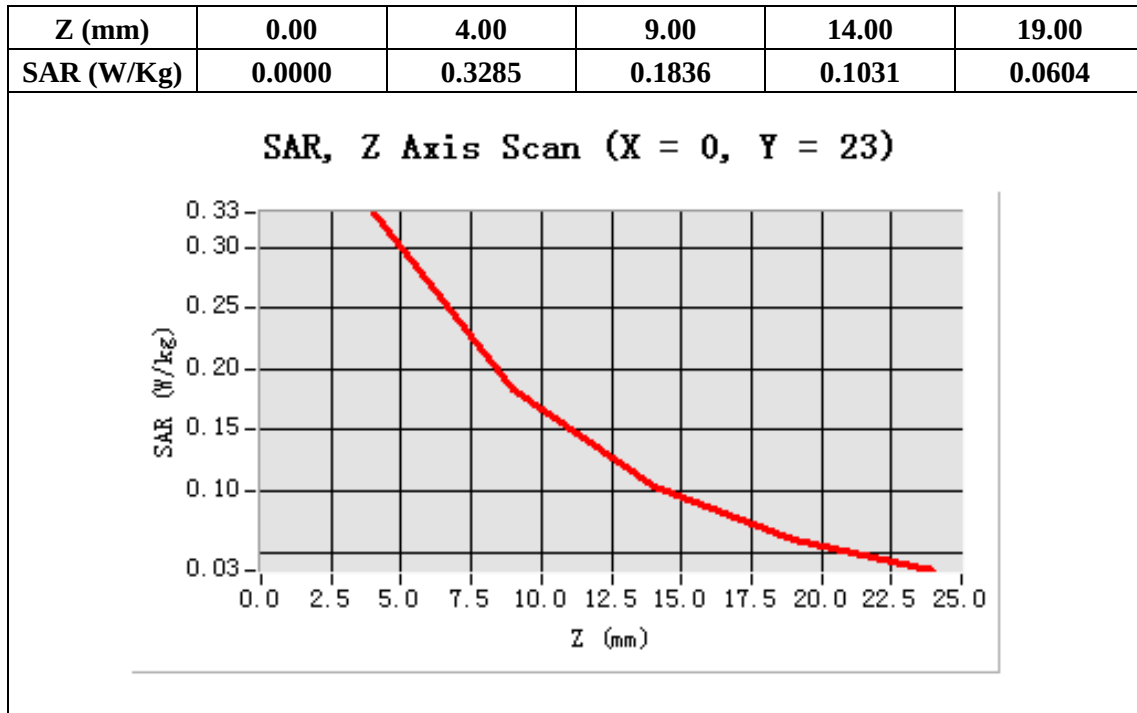
Configuration/ WCDMA Band V Mid Touch-Right/Zoom Scan: Measurement grid: dx=8mm, dy=8mm, dz=5mm;

Area Scan	sam_direct_droit2_surf8mm.txt
ZoomScan	5x5x7,dx=8mm dy=8mm dz=5mm,Very fast
Phantom	Right head
Device Position	Cheek
Band	WCDMA Band V
Channels	Middle
Signal	TDMA (Crest factor: 1.0)



Maximum location: X=0.00, Y=23.00

SAR 10g (W/Kg)	0.171363
SAR 1g (W/Kg)	0.315999



Test Laboratory: AGC Lab

Date: Jul 18,2012

WCDMA Band V Mid-tilt-Right (RMC)

DUT:WCDMA MOBILE PHONE; Type: ANDROID 5100

Communication System: UMTS; Communication System Band: BAND V UTRA/FDD ; DutyCycle:1: 1;
 Conv.F=6.79 Frequency: 835 MHz; Medium parameters used: $f = 835$ MHz; $\sigma = 0.88$ mho/m; $\epsilon_r = 41.69$;
 $\rho = 1000$ kg/m³ ;

Phantom section: Right Section

Ambient temperature (°C): 21, Liquid temperature (°C): 21

Satimo Configuration:

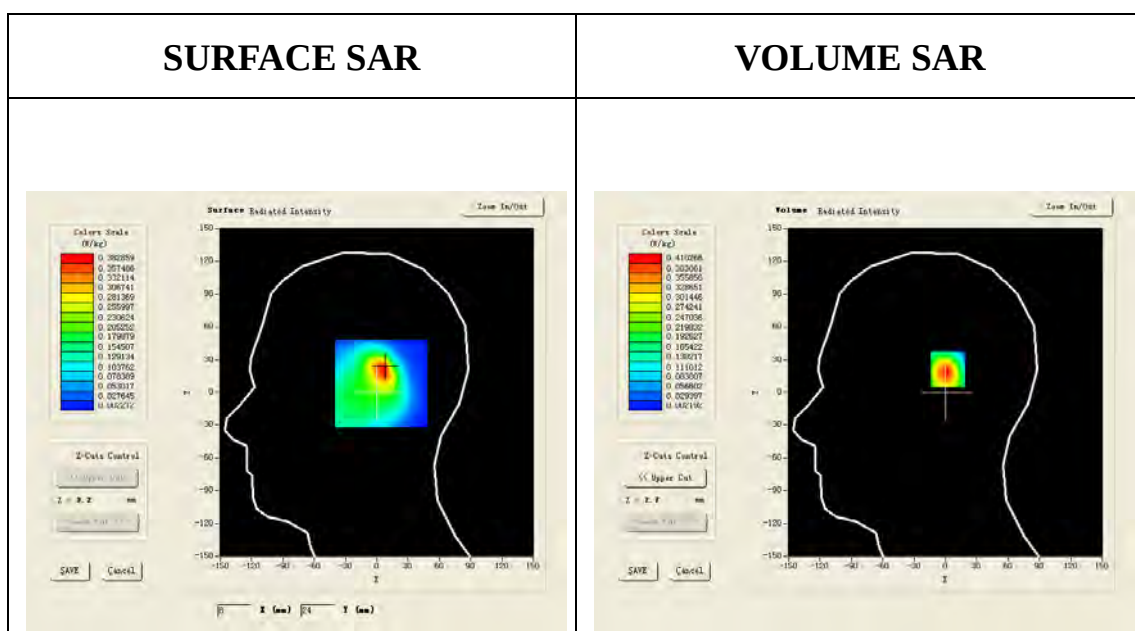
Probe:SSE5; Calibrated: 12/09/2011

- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Phantom: SAM1; Type: SAM
- Measurement SW: OpenSAR V4_02_01

Configuration/ WCDMA Band V Mid Tilt-Right/Area Scan: Measurement grid: dx=20mm, dy=20mm

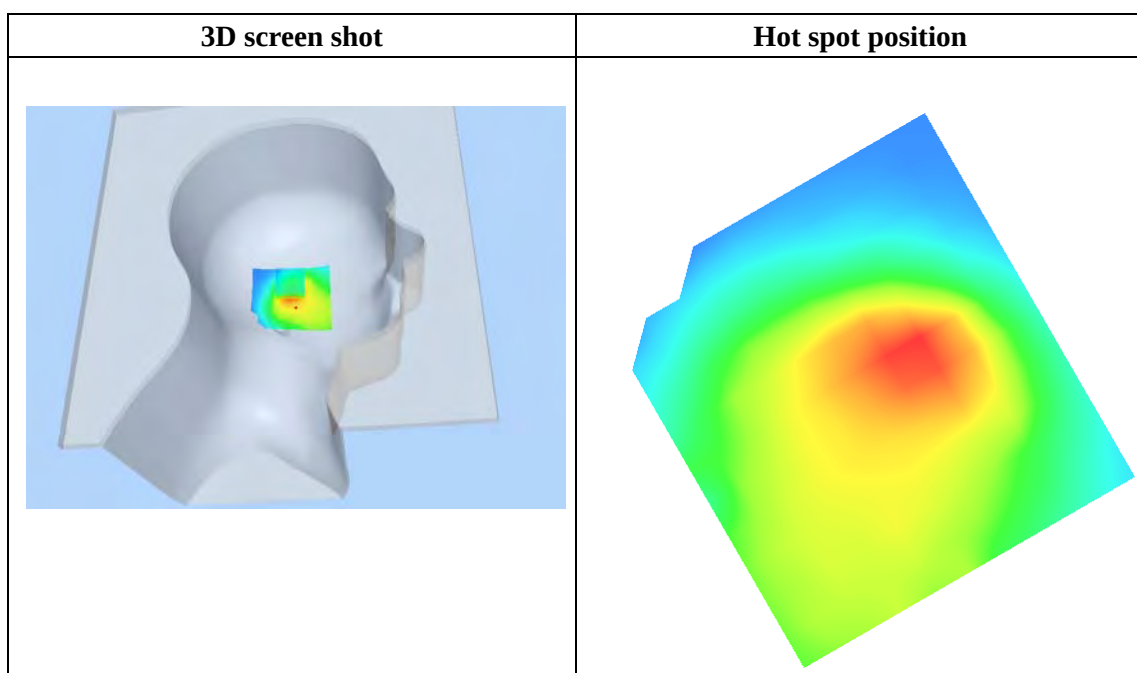
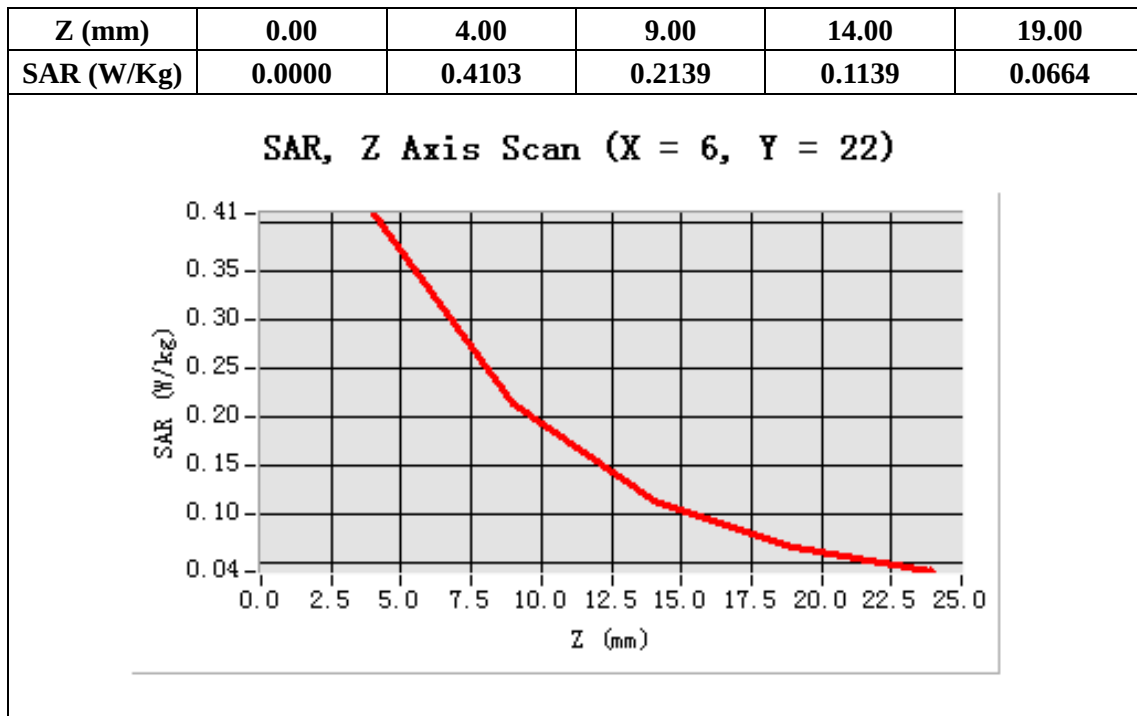
Configuration/ WCDMA Band V Mid Tilt-Right/Zoom Scan: Measurement grid: dx=8mm,
 dy=8mm, dz=5mm;

Area Scan	sam_direct_droit2_surf8mm.txt
Zoom Scan	5x5x7,dx=8mm dy=8mm dz=5mm,Very fast
Phantom	Right head
Device Position	Tilt
Band	WCDMA Band V
Channels	Middle
Signal	TDMA (Crest factor: 1.0)



Maximum location: X=6.00, Y=22.00

SAR 10g (W/Kg)	0.198455
SAR 1g (W/Kg)	0.393202



Test Laboratory: AGC Lab

Date: Jul 18,2012

WCDMA Band V Mid-Body-Towards Grounds (RMC)

DUT:WCDMA MOBILE PHONE; Type: ANDROID 5100

Communication System: UMTS; Communication System Band: BAND V UTRA/FDD; DutyCycle:1: 1;

Conv.F=6.79 Frequency: 835 MHz; Medium parameters used: $f = 835$ MHz; $\sigma = 0.98$ mho/m; $\epsilon_r = 55.43$; $\rho = 1000$ kg/m³ ;

Phantom section: Flat Section

Ambient temperature (°C):21, Liquid temperature (°C):21

Satimo Configuration:

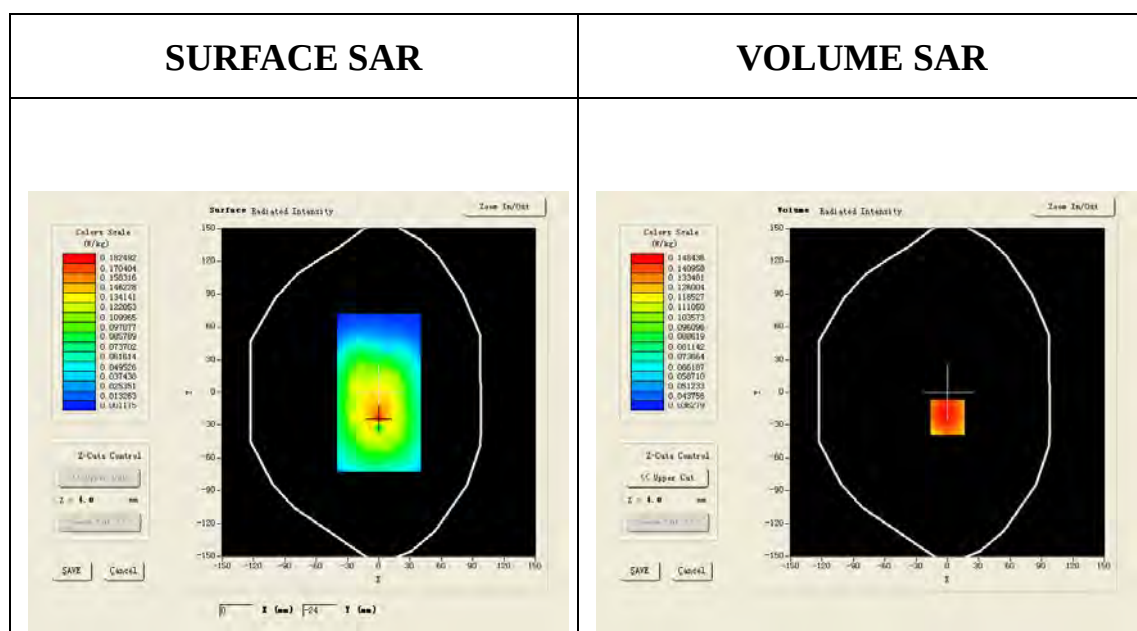
Probe:SSE5; Calibrated: 12/09/2011

- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Phantom: SAM1; Type: SAM
- Measurement SW: OpenSAR V4_02_01

Configuration/ WCDMA Band V Mid Body-Front/Area Scan (6x8x1): Measurement grid: dx=20mm, dy=20mm

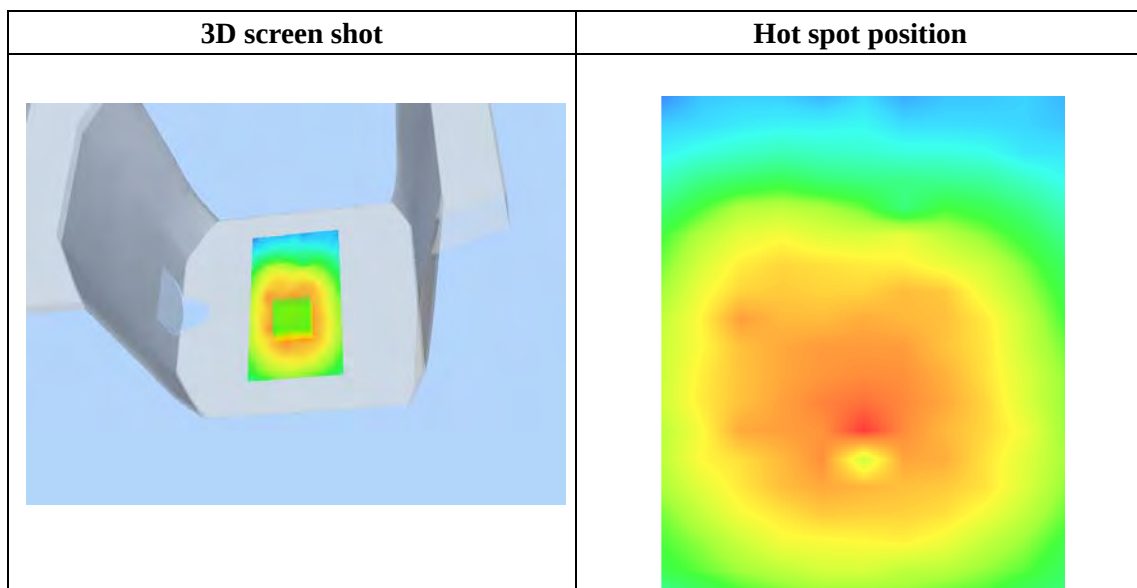
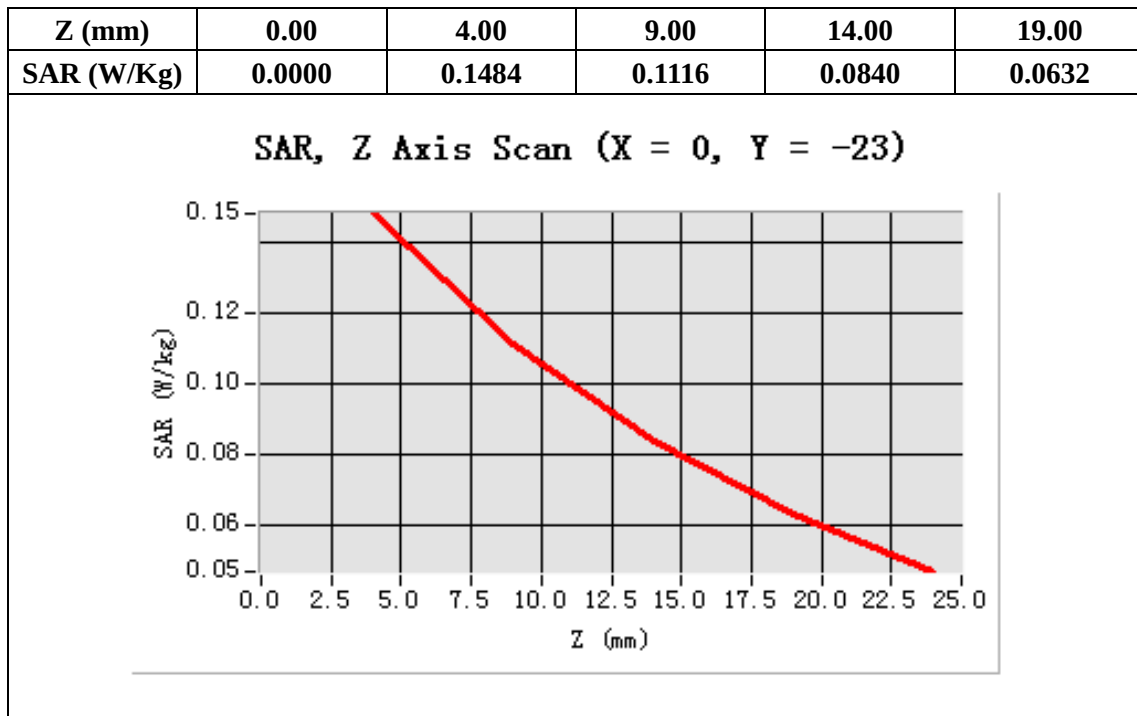
Configuration/ WCDMA Band V Mid Body-Front/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm,dy=8mm, dz=5mm;

Area Scan	surf_sam_plan.txt
ZoomScan	5x5x7,dx=8mm dy=8mm dz=5mm,Very fast
Phantom	Validation plane
Device Position	Body Back
Band	WCDMA Band V
Channels	Middle
Signal	TDMA (Crest factor: 1.0)



Maximum location: X=0.00, Y=-23.00

SAR 10g (W/Kg)	0.112997
SAR 1g (W/Kg)	0.154948



Test Laboratory: AGC Lab

Date: Jul 18,2012

WCDMA Band V Mid-body- Towards Phantom (RMC)

DUT:WCDMA MOBILE PHONE; Type: ANDROID 5100

Communication System: UMTS; Communication System Band: BAND V UTRA/FDD ; DutyCycle:1: 1;

Conv.F=6.79 Frequency: 835 MHz; Medium parameters used: $f = 835 \text{ MHz}$; $\sigma = 0.98 \text{ mho/m}$; $\epsilon_r = 55.43$; $\rho = 1000 \text{ kg/m}^3$;

Phantom section: Flat Section

Ambient temperature ($^{\circ}\text{C}$):21, Liquid temperature ($^{\circ}\text{C}$):21

Satimo Configuration:

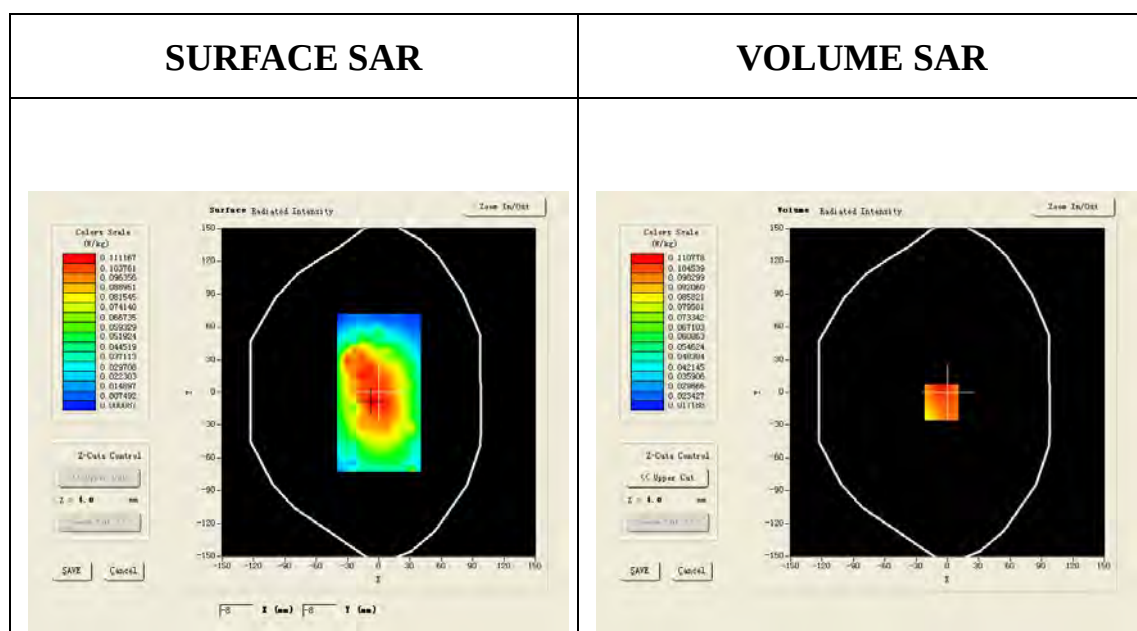
Probe:SSE5; Calibrated: 12/09/2011

- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Phantom: SAM1; Type: SAM
- Measurement SW: OpenSAR V4_02_01

Configuration/ WCDMA Band V Mid Body- Back /Area Scan (6x8x1): Measurement grid: $dx=20\text{mm}$, $dy=20\text{mm}$

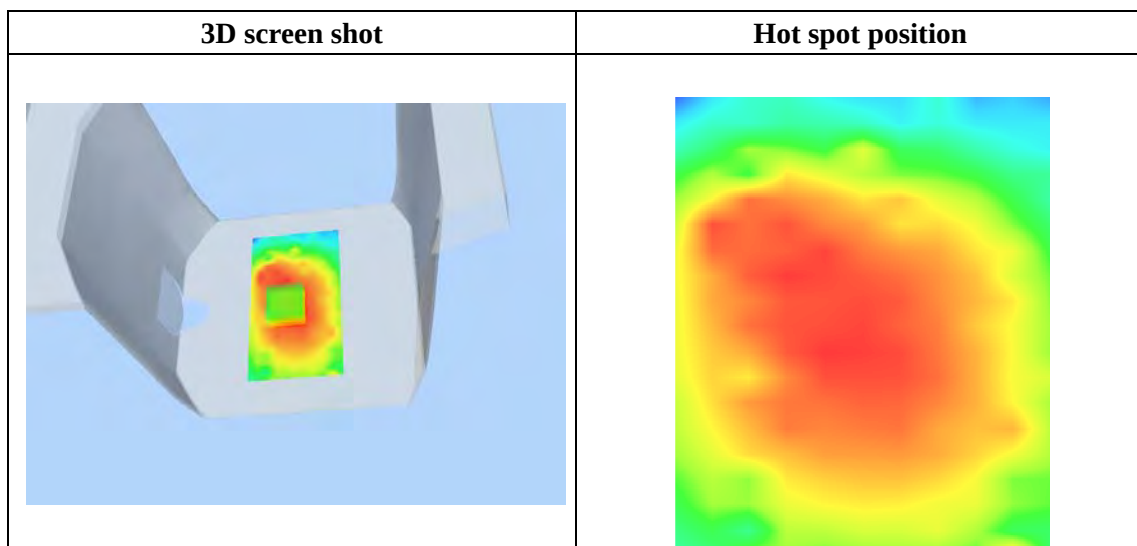
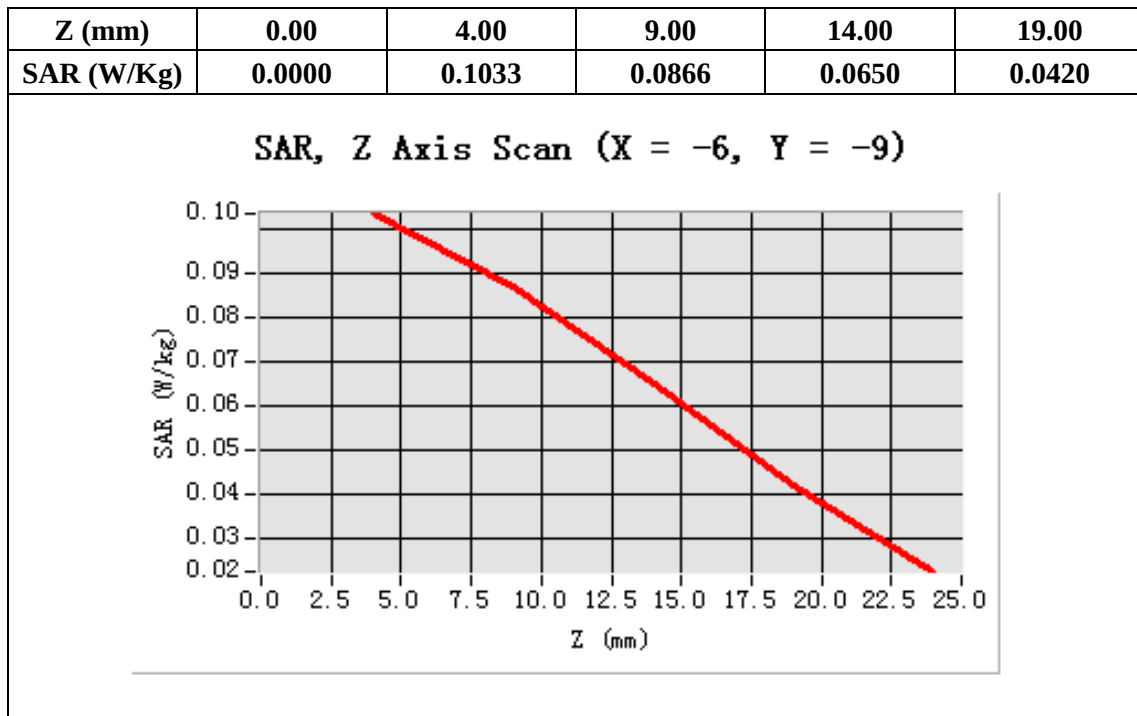
Configuration/ WCDMA Band V Mid Body- Back /Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$;

Area Scan	surf_sam_plan.txt
ZoomScan	5x5x7,dx=8mm dy=8mm dz=5mm,Very fast
Phantom	Validation plane
Device Position	Body Front
Band	WCDMA Band V
Channels	Middle
Signal	TDMA (Crest factor: 1.0)



Maximum location: X=-6.00, Y=-9.00

SAR 10g (W/Kg)	0.080611
SAR 1g (W/Kg)	0.114846



Test Laboratory: AGC Lab

Date: Jul 18,2012

WCDMA Band V Mid-body- Towards Grounds(HSPA)

DUT:WCDMA MOBILE PHONE; Type: ANDROID 5100

Communication System: UMTS; Communication System Band: BAND V UTRA/FDD ; DutyCycle:1: 1;

Conv.F=6.79 Frequency: 835 MHz; Medium parameters used: $f = 835$ MHz; $\sigma = 0.98$ mho/m; $\epsilon_r = 55.43$;
 $\rho = 1000\text{kg/m}^3$;

Phantom section: Flat Section

Ambient temperature ($^{\circ}\text{C}$):21, Liquid temperature ($^{\circ}\text{C}$):21

Satimo Configuration:

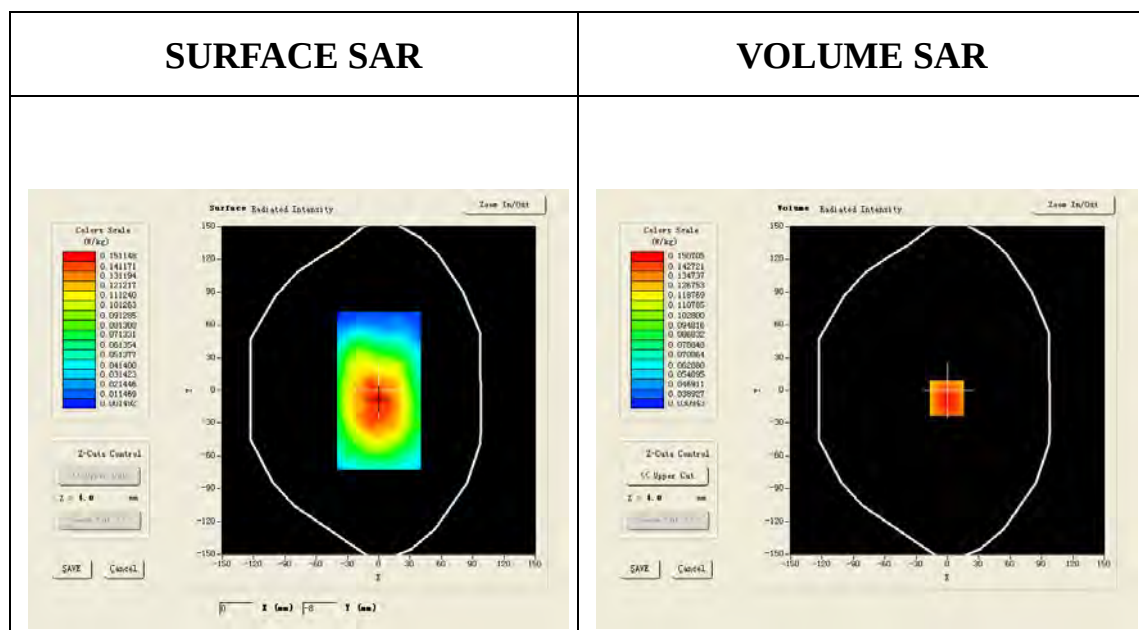
Probe:SSE5; Calibrated: 12/09/2011

- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Phantom: SAM1; Type: SAM
- Measurement SW: OpenSAR V4_02_01

Configuration/ WCDMA Band V Mid Body- Back /Area Scan (6x8x1): Measurement grid: dx=20mm, dy=20mm

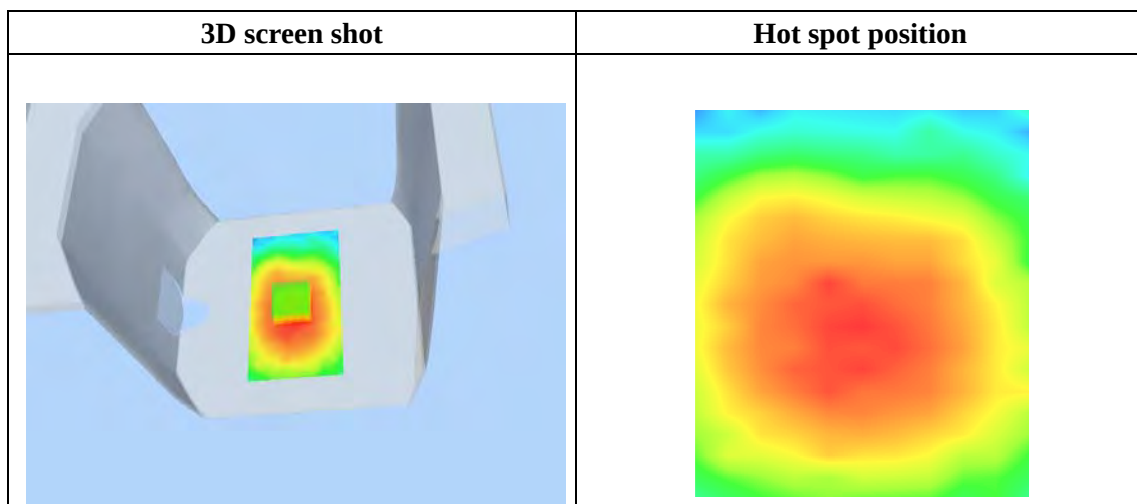
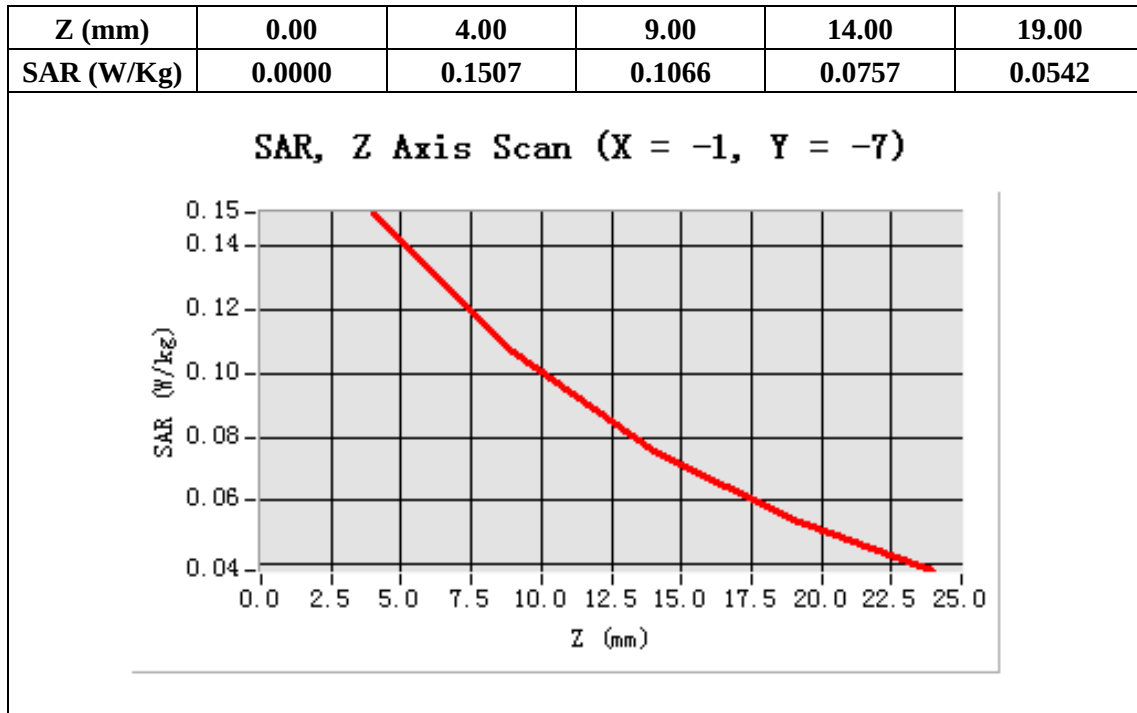
Configuration/ WCDMA Band V Mid Body- Back /Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm,dy=8mm, dz=5mm;

Area Scan	surf_sam_plan.txt
ZoomScan	5x5x7,dx=8mm dy=8mm dz=5mm,Very fast
Phantom	Validation plane
Device Position	Body Back
Band	WCDMA Band V
Channels	Middle
Signal	TDMA (Crest factor: 1.0)



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

SAR 10g (W/Kg)	0.108145
SAR 1g (W/Kg)	0.156250



Test Laboratory: AGC Lab

Date: Jul 18,2012

WCDMA Band V Mid-body- Towards Grounds(with earphone)(HSPA)

DUT:WCDMA MOBILE PHONE; Type: ANDROID 5100

Communication System: UMTS; Communication System Band: BAND V UTRA/FDD ; DutyCycle:1: 1;

Conv.F=6.79 Frequency: 835 MHz; Medium parameters used: $f = 835 \text{ MHz}$; $\sigma = 0.98 \text{ mho/m}$; $\epsilon_r = 55.43$; $\rho = 1000 \text{ kg/m}^3$;

Phantom section: Flat Section

Ambient temperature ($^{\circ}\text{C}$):21, Liquid temperature ($^{\circ}\text{C}$):21

Satimo Configuration:

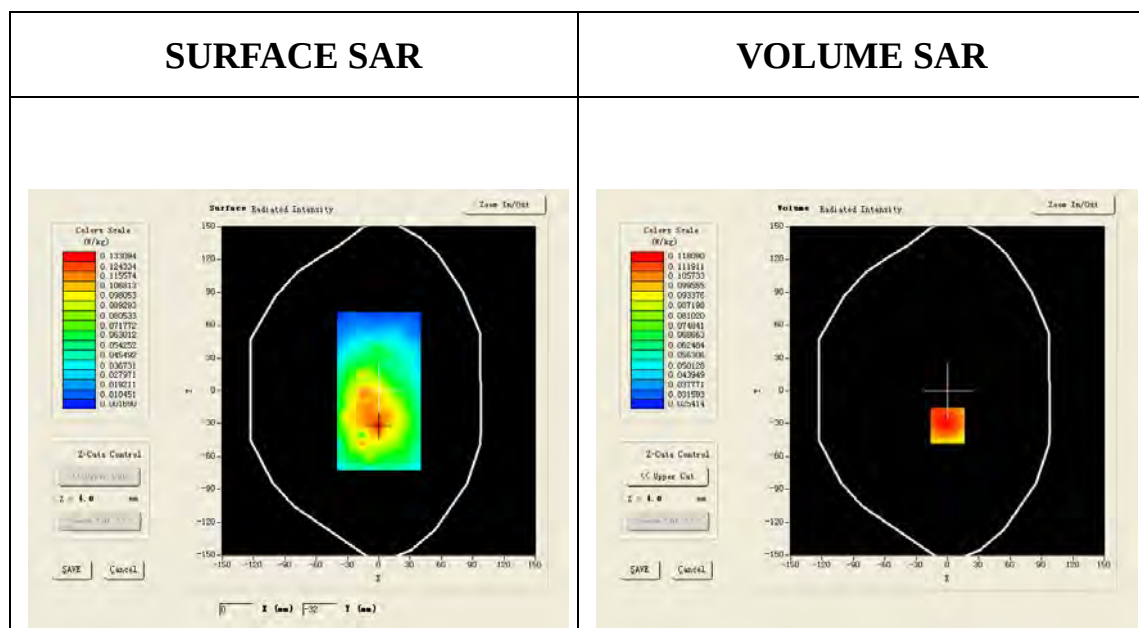
Probe:SSE5; Calibrated: 12/09/2011

- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Phantom: SAM1; Type: SAM
- Measurement SW: OpenSAR V4_02_01

Configuration/ WCDMA Band V Mid Body- Back /Area Scan (6x8x1): Measurement grid: $dx=20\text{mm}$, $dy=20\text{mm}$

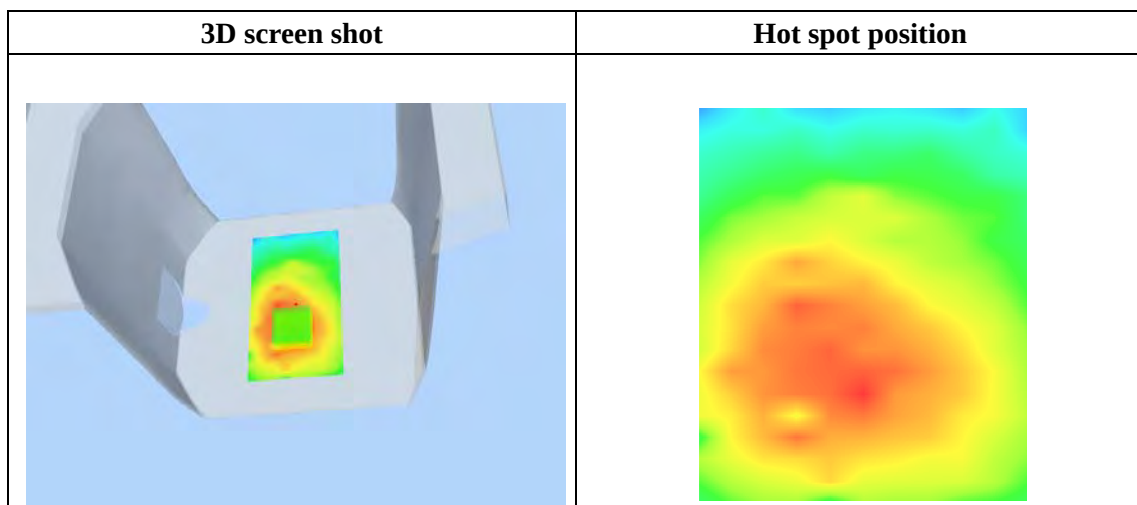
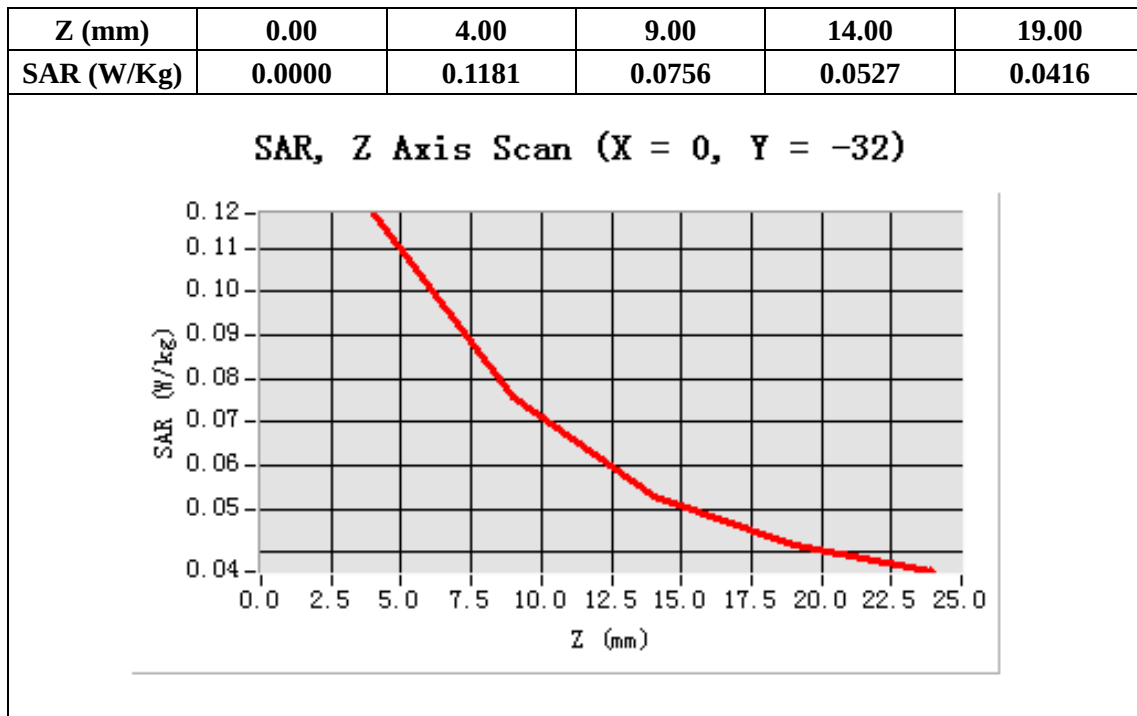
Configuration/ WCDMA Band V Mid Body- Back /Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$;

Area Scan	surf_sam_plan.txt
ZoomScan	5x5x7,dx=8mm dy=8mm dz=5mm,Very fast
Phantom	Validation plane
Device Position	Body Back
Band	WCDMA Band V
Channels	Middle
Signal	TDMA (Crest factor: 1.0)



Maximum location: X=0.00, Y=-32.00

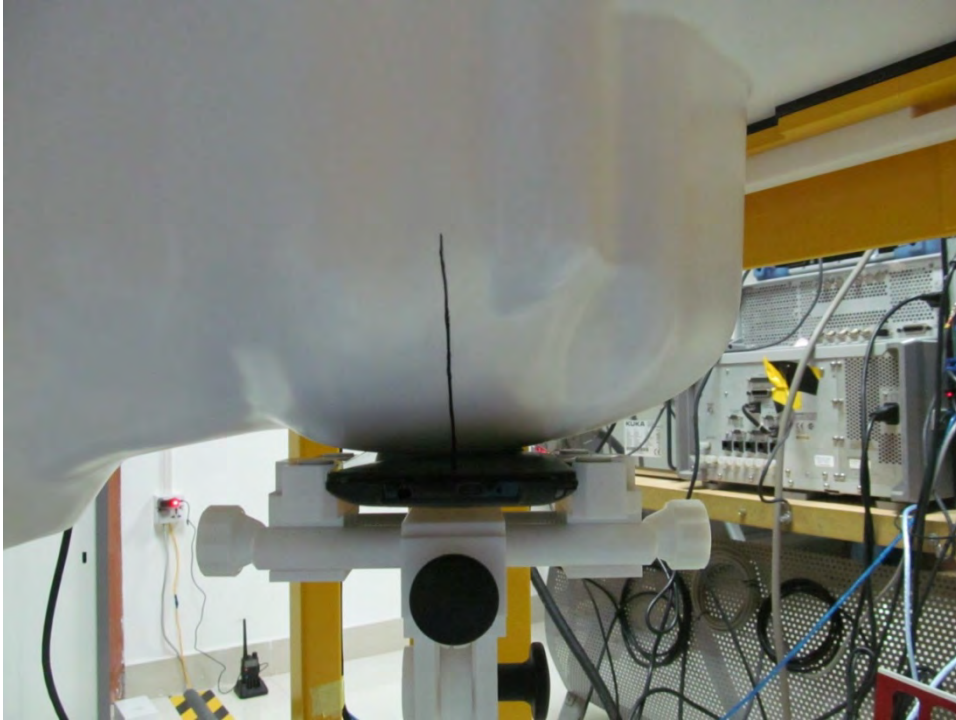
SAR 10g (W/Kg)	0.085992
SAR 1g (W/Kg)	0.124869



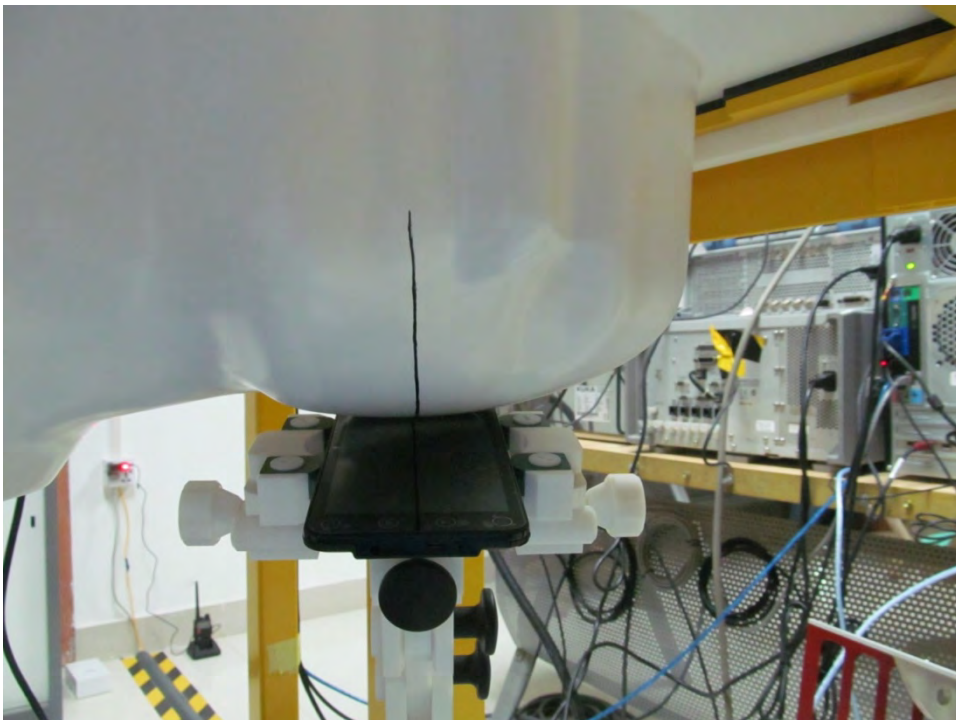
Appendix C. TEST SETUP PHOTOGRAPHS & EUT PHOTOGRAPHS

Test Setup Photographs

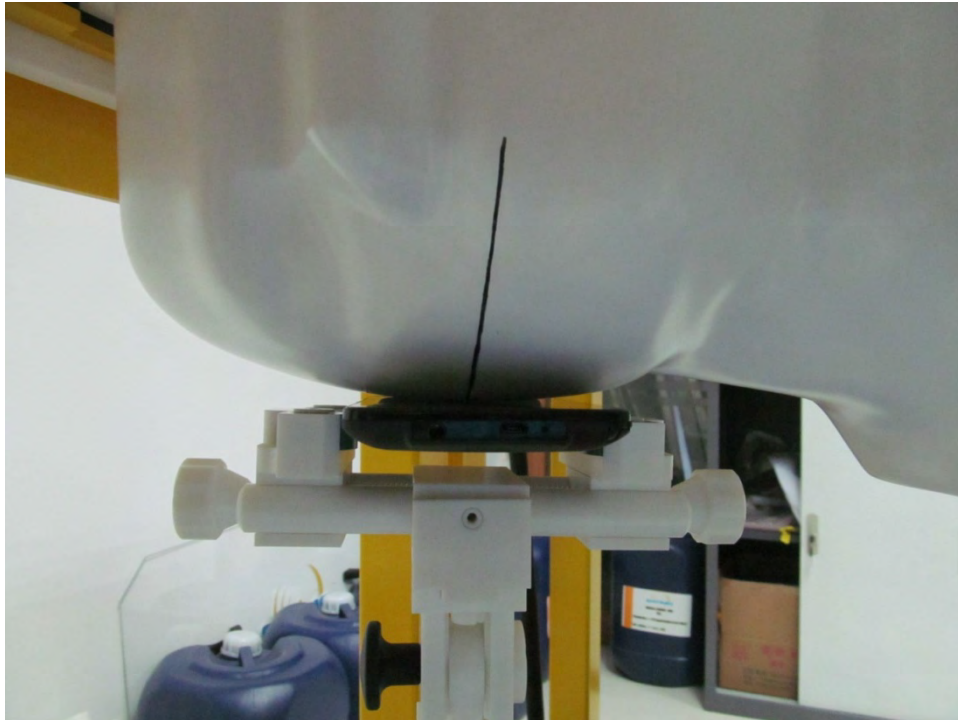
LEFT-CHECK TOUCH



LEFT-TILT 15°



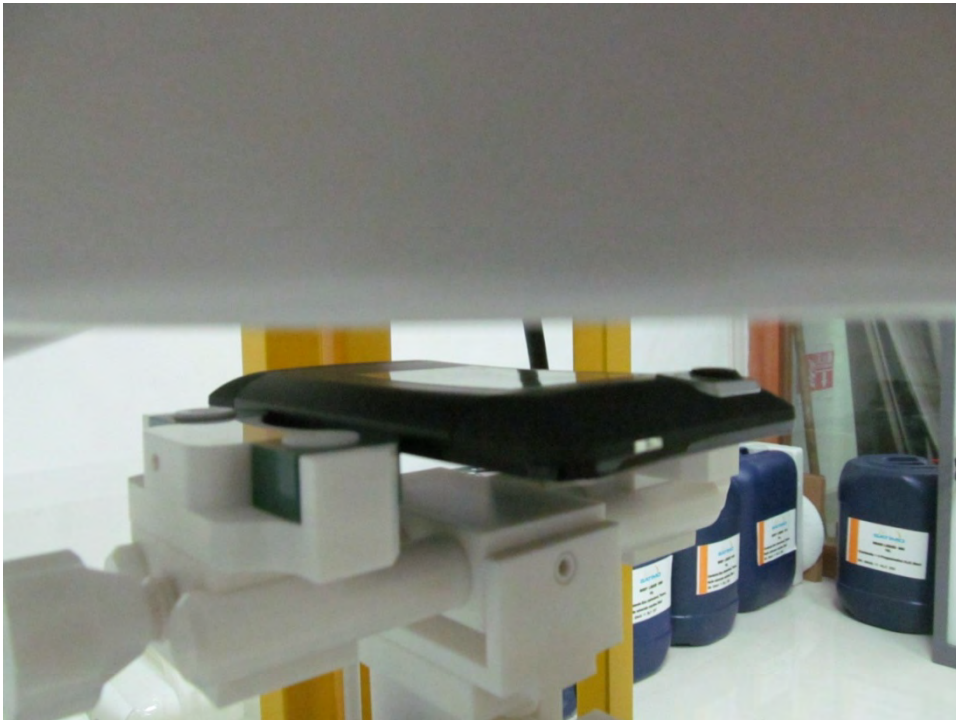
RIGHT-CHECK TOUCH



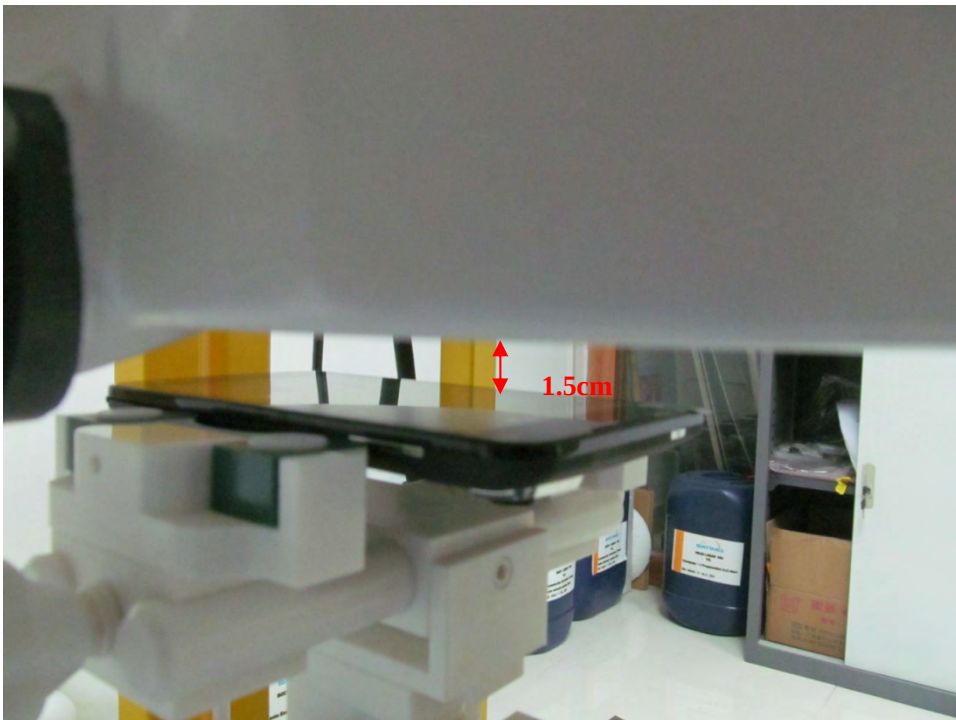
RIGHT-TILT 15°



Body Back15mm



Front Back15mm



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
TOTAL VIEW OF EUT



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



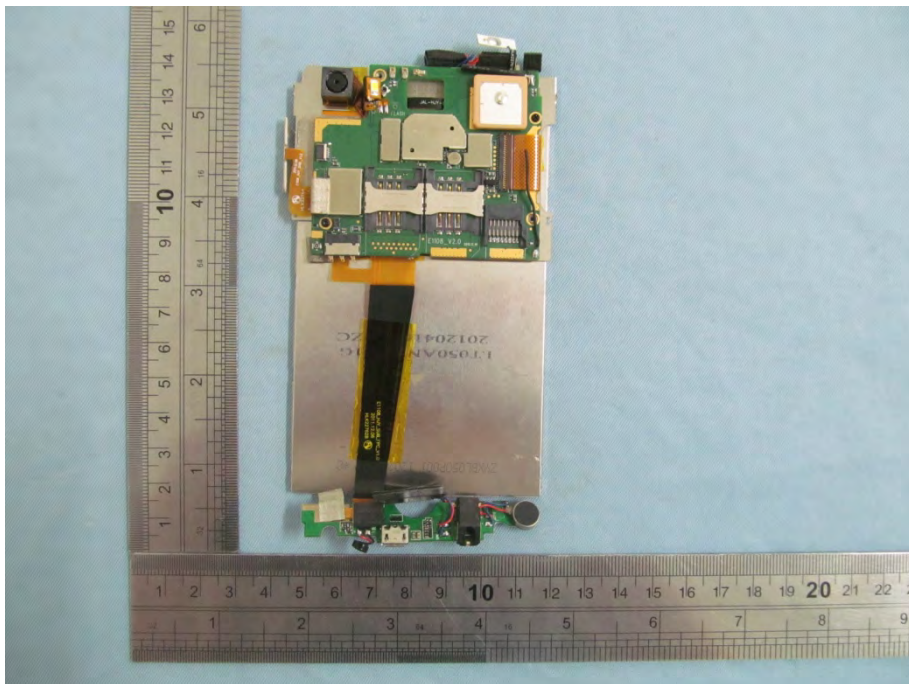
INTERNAL VIEW OF EUT-1



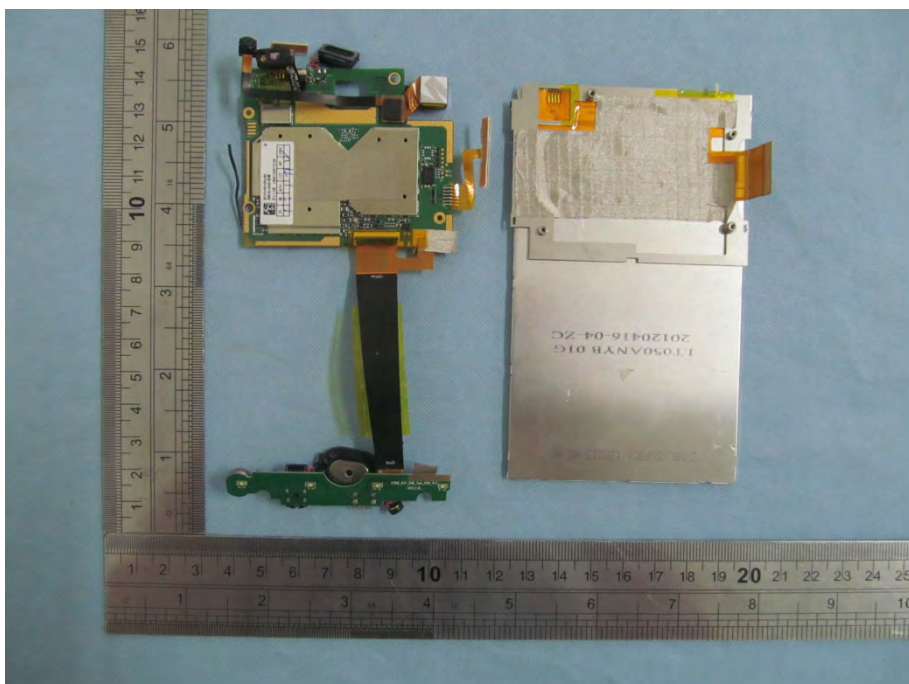
INTERNAL VIEW OF EUT-2



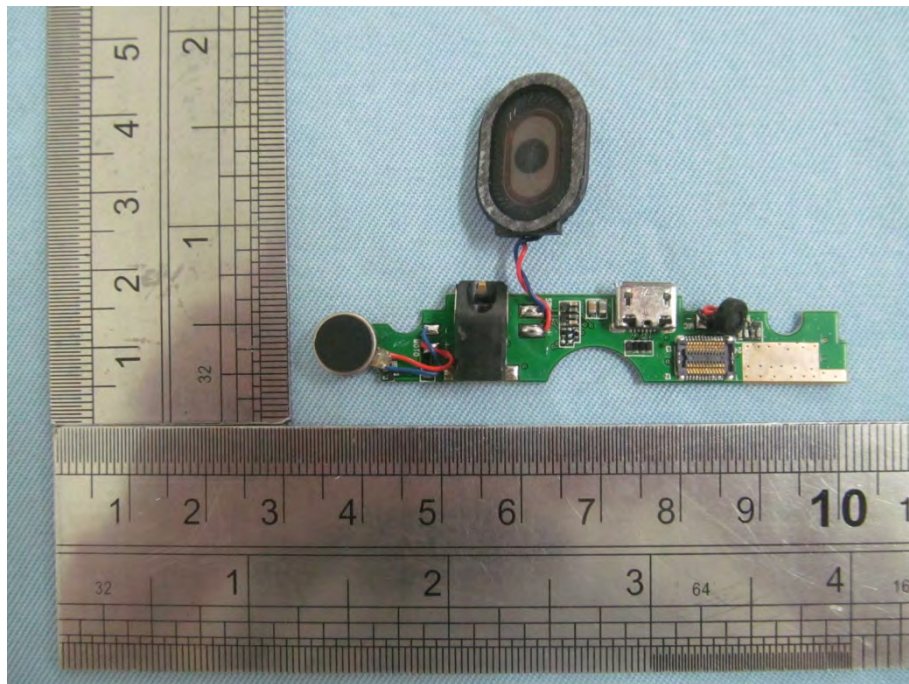
INTERNAL VIEW OF EUT-3



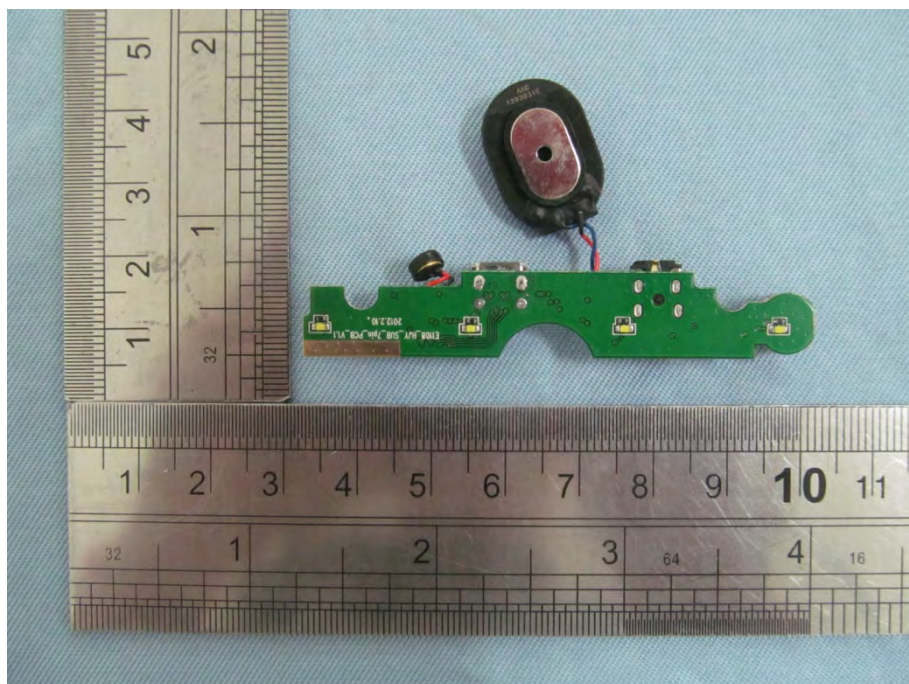
INTERNAL VIEW OF EUT-4



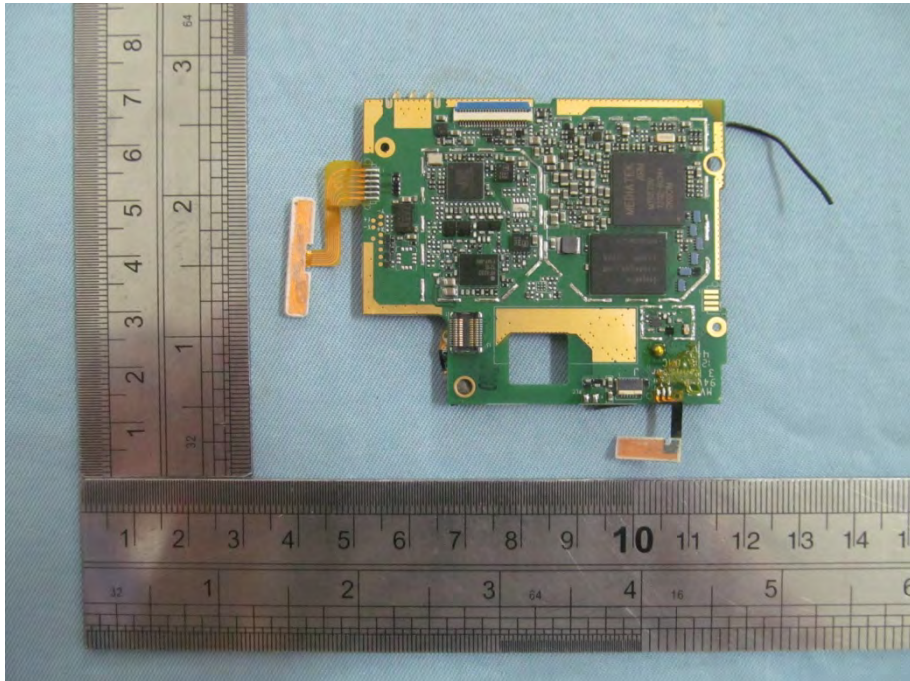
INTERNAL VIEW OF EUT-5



INTERNAL VIEW OF EUT-6



INTERNAL VIEW OF EUT-7



INTERNAL VIEW OF EUT-8

