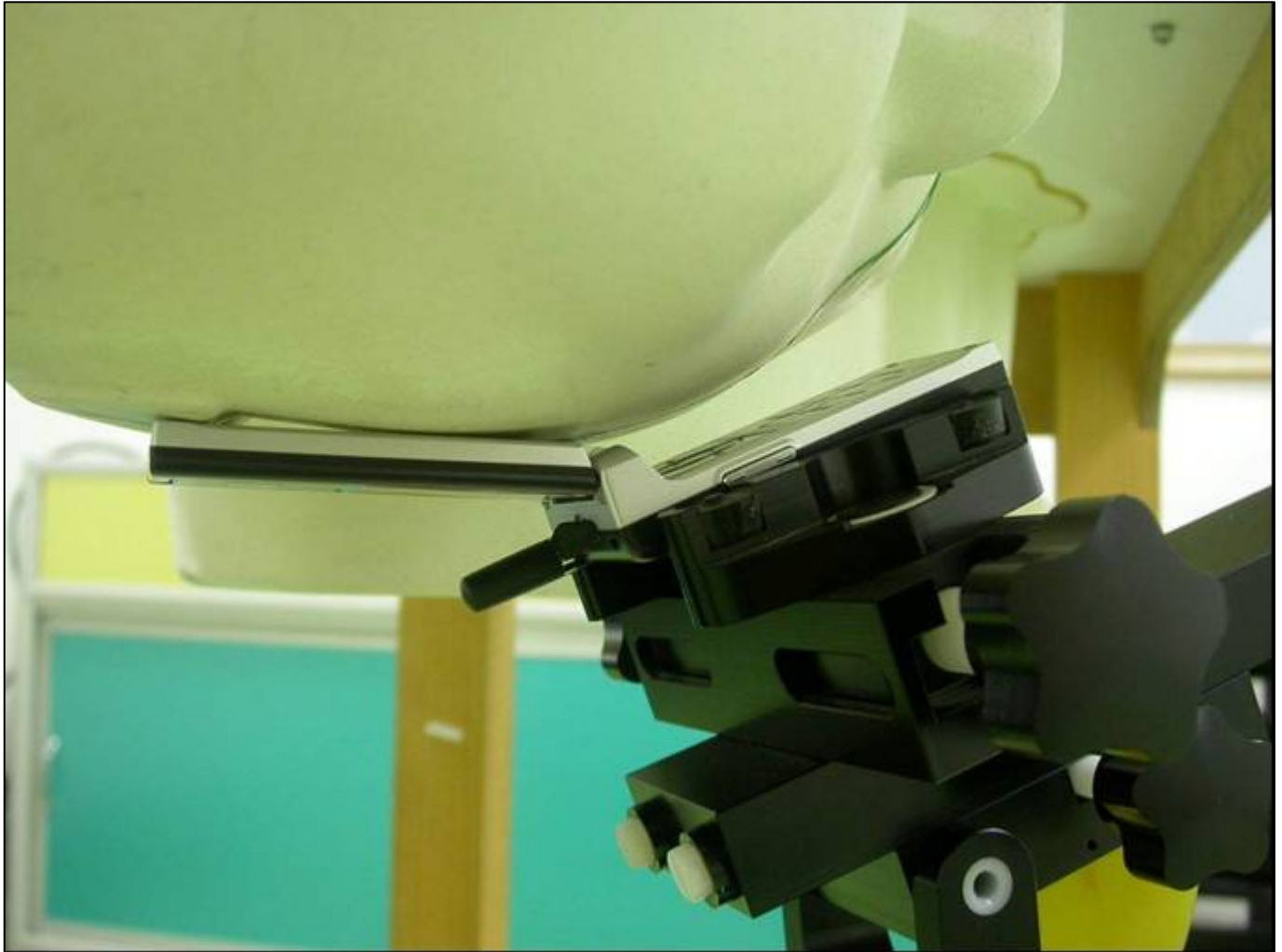


APPENDIX A: TEST CONFIGURATIONS AND TEST DATA

A1: TEST CONFIGURATION

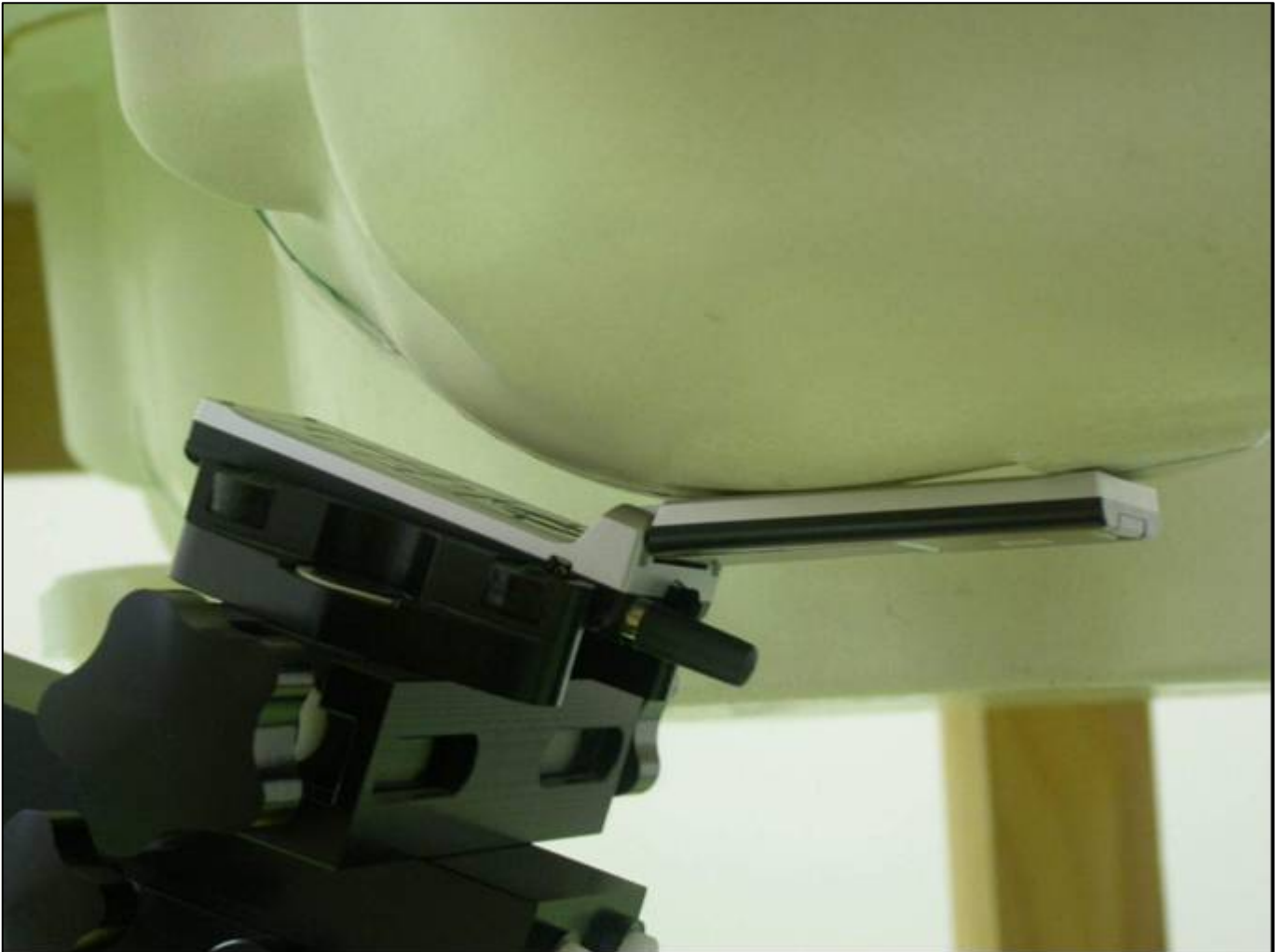
Right Head Cheek Position



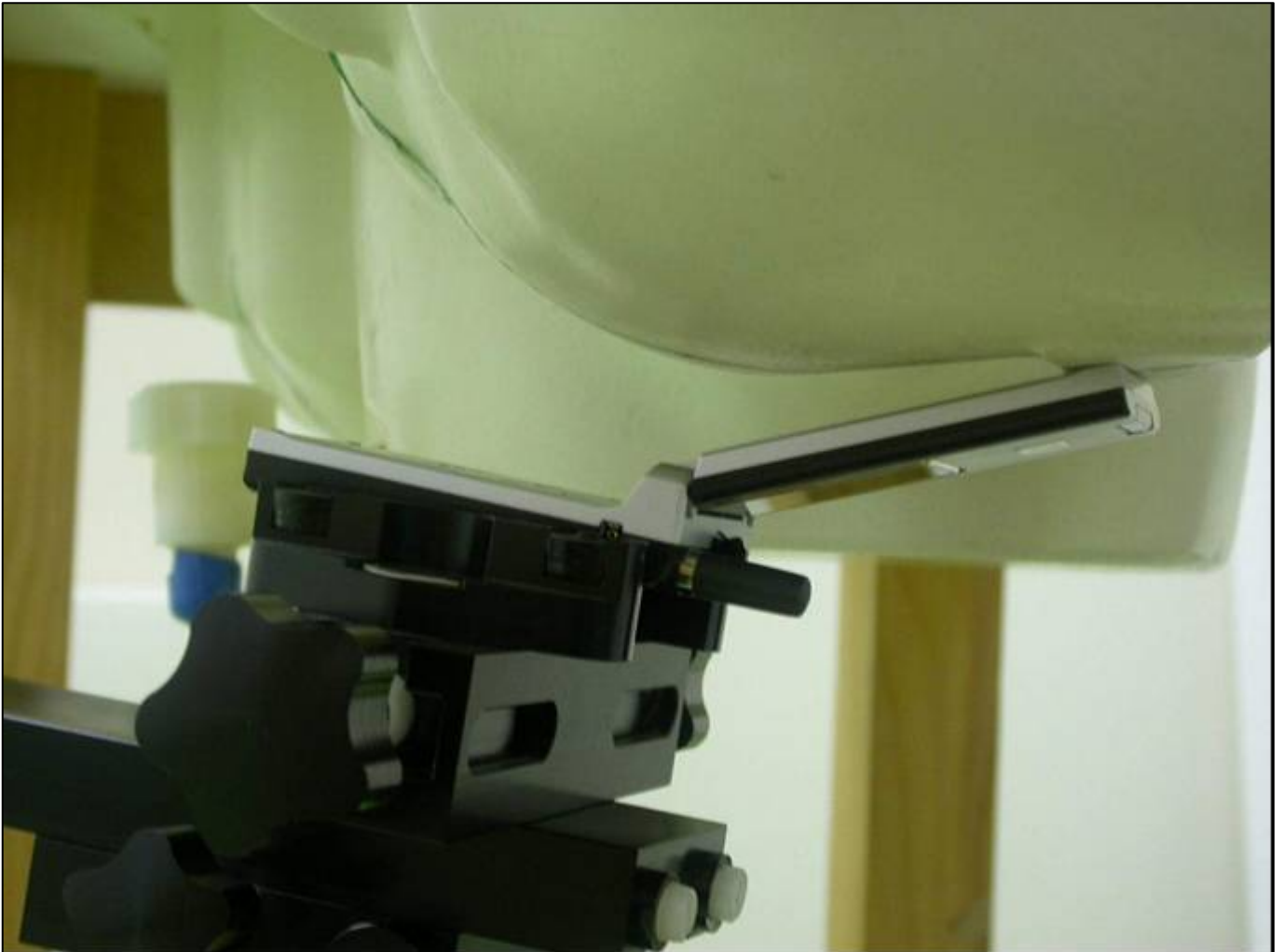
Right Head Tilt Position



Left Head Cheek Position



Left Head Tilt Position



Body Worn Position



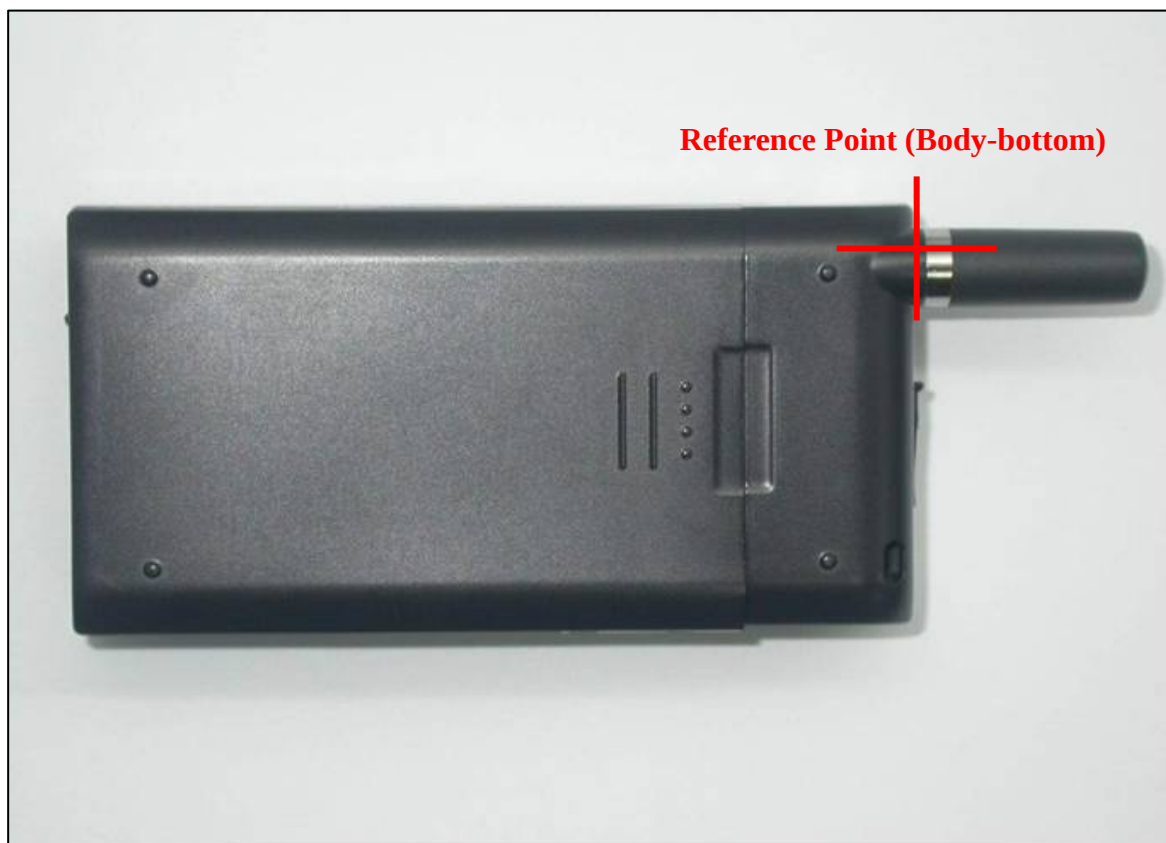
The bottom of the EUT to the flat phantom distance 15 mm

Body Worn Position



The front of the EUT to the flat phantom distance 15 mm

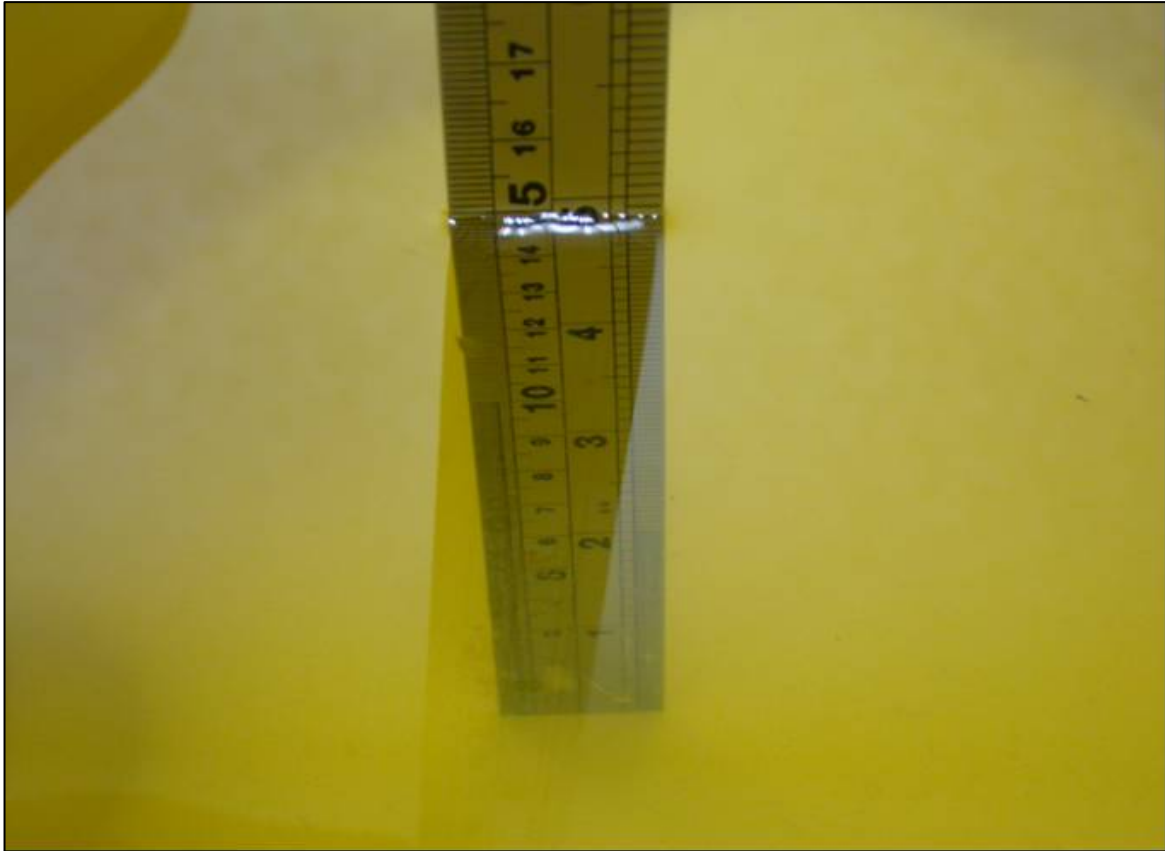
EUT Photo





Liquid Level Photo

Tissue HSL835MHz D=150mm



Tissue MSL850MHz D=151mm



Tissue HSL1900MHz D=155mm



Tissue MSL1900MHz D=150mm



Date/Time: 2005/10/28 13:40:31

Test Laboratory: Advance Data Technology

Right Head-Cheek-GSM850-Ch128-Mode 1

DUT: GSM Tri-Band Digital Mobile Phone ; Type: A211a ; Test Frequency: 824.2 MHz

Communication System: PCS 850 ; Frequency: 824.2 MHz ; Duty Cycle: 1:8.3

Phantom: SAM 12 Medium parameters used: $f = 824.2$ MHz; $\sigma = 0.88$ mho/m; $\epsilon_r = 41.6$; $\rho = 1000$ kg/m³ ;

Liquid level: 150mm

Phantom section: Right Section ; DUT test position : Cheek ; Modulation type: GMSK

Antenna type : External Antenna ; Air temp. : 22.8 degrees ; Liquid temp. : 21.6 degrees

DASY4 Configuration:

- Probe: ET3DV6 - SN1687; ConvF(6.34, 6.34, 6.34) ; Calibrated: 2005/9/15
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn510; Calibrated: 2005/8/17
- Phantom: SAM 12; Type: SAM V4.0; Serial: TP 1202
- Measurement SW: DASY4, V4.6 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 159

Touch position - Low Channel 128/Area Scan (5x13x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 1.42 mW/g

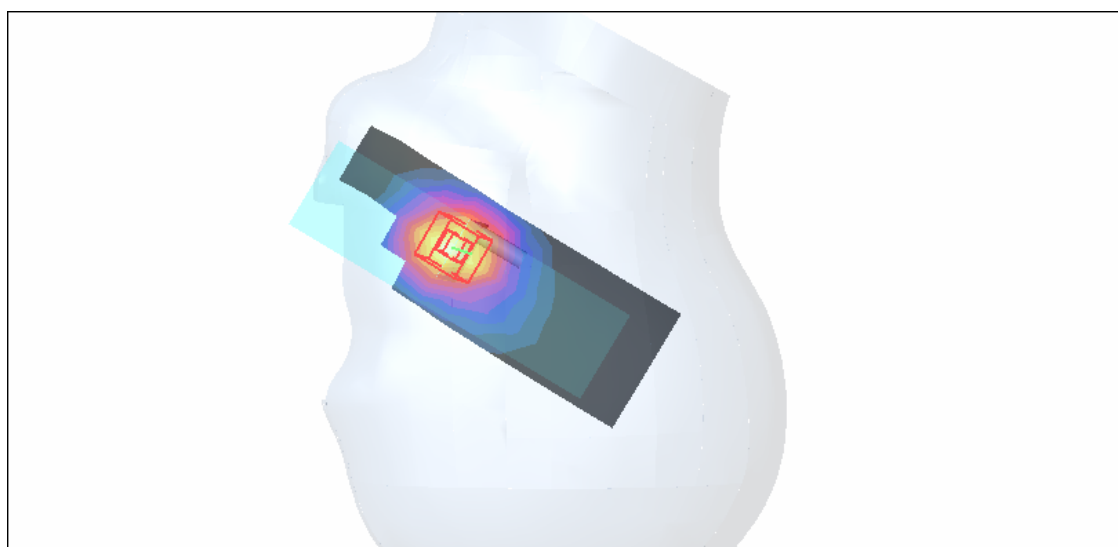
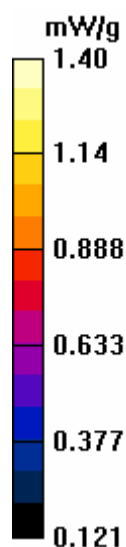
Touch position - Low Channel 128/Zoom Scan (7x7x7) (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 10.6 V/m

Peak SAR (extrapolated) = 1.91 W/kg

SAR(1 g) = 1.31 mW/g; SAR(10 g) = 0.854 mW/g

Maximum value of SAR (measured) = 1.40 mW/g



Date/Time: 2005/10/28 13:59:59

Test Laboratory: Advance Data Technology

Right Head-Cheek-GSM850-Ch190-Mode 1

DUT: GSM Tri-Band Digital Mobile Phone ; Type: A211a ; Test Frequency: 836.6 MHz

Communication System: PCS 850 ; Frequency: 836.6 MHz ; Duty Cycle: 1:8.3

Phantom: SAM 12 Medium parameters used: $f = 836.6 \text{ MHz}$; $\sigma = 0.89 \text{ mho/m}$; $\epsilon_r = 41.4$; $\rho = 1000 \text{ kg/m}^3$;

Liquid level: 150mm

Phantom section: Right Section ; DUT test position : Cheek ; Modulation type: GMSK

Antenna type : External Antenna ; Air temp. : 22.8 degrees ; Liquid temp. : 21.6 degrees

DASY4 Configuration:

- Probe: ET3DV6 - SN1687; ConvF(6.34, 6.34, 6.34) ; Calibrated: 2005/9/15
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn510; Calibrated: 2005/8/17
- Phantom: SAM 12; Type: SAM V4.0; Serial: TP 1202
- Measurement SW: DASY4, V4.6 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 159

Touch position - Mid Channel 190/Area Scan (5x13x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

Maximum value of SAR (measured) = 1.53 mW/g

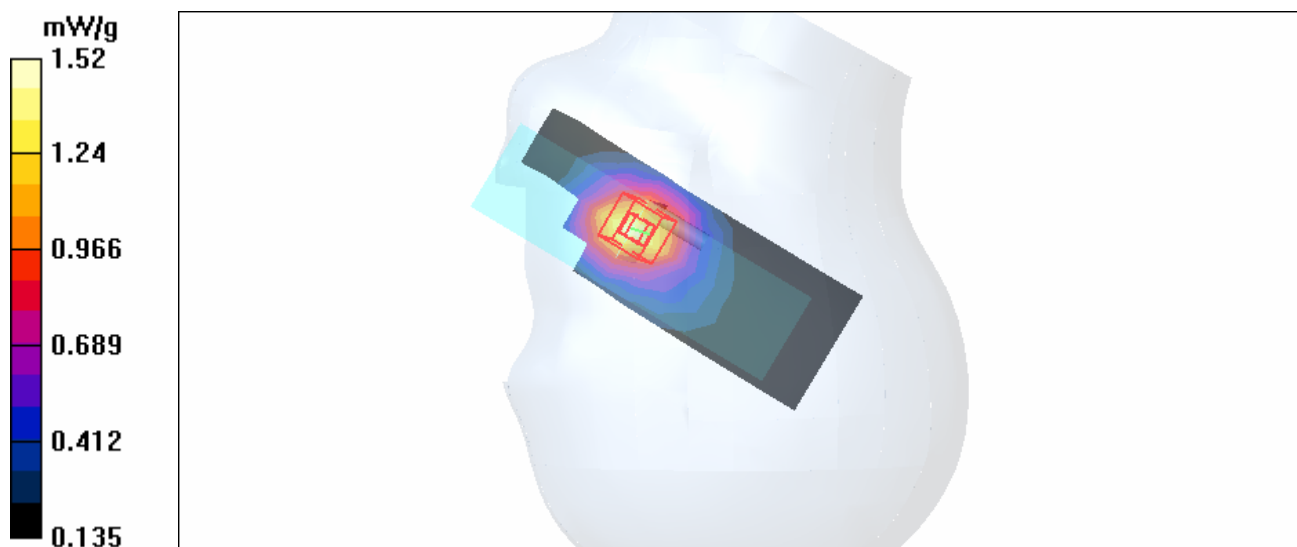
Touch position - Mid Channel 190/Zoom Scan (7x7x7) (7x7x7)/Cube 0: Measurement grid: $dx=5\text{mm}$, $dy=5\text{mm}$, $dz=5\text{mm}$

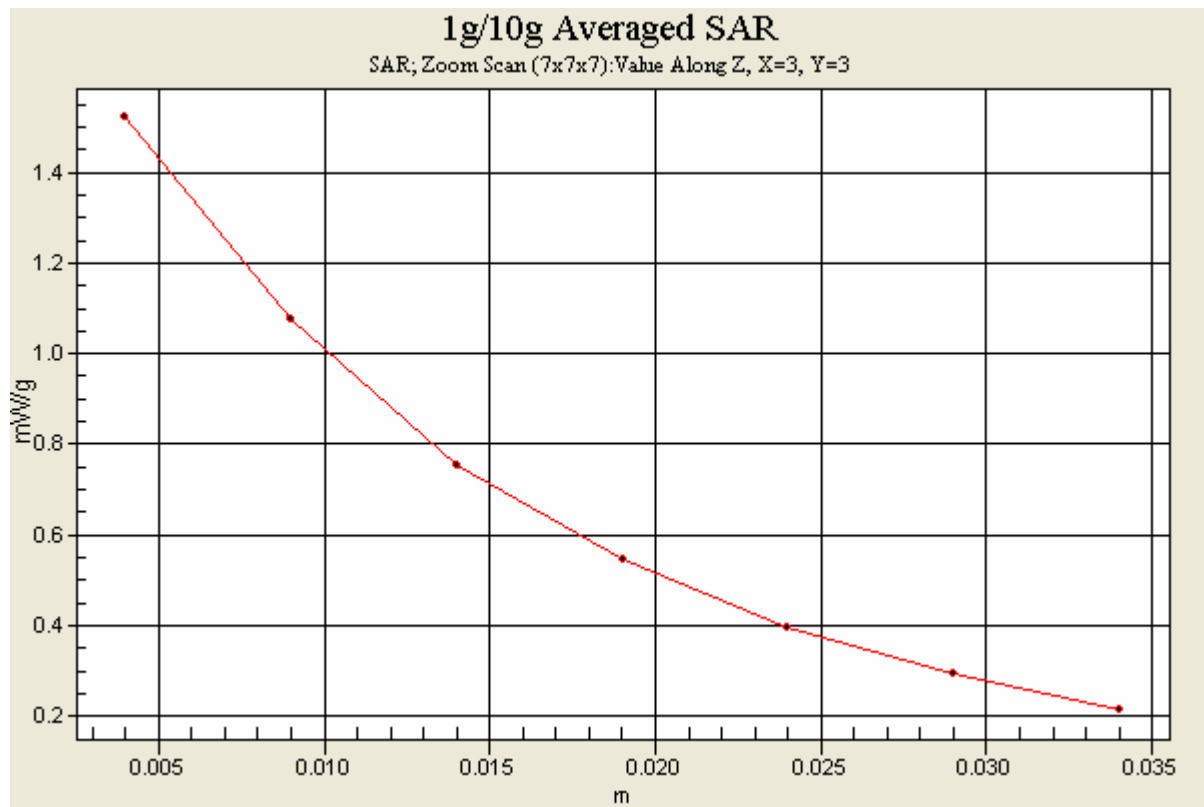
Reference Value = 10.3 V/m

Peak SAR (extrapolated) = 2.08 W/kg

SAR(1 g) = 1.41 mW/g; SAR(10 g) = 0.920 mW/g

Maximum value of SAR (measured) = 1.52 mW/g





Date/Time: 2005/10/28 14:21:04

Test Laboratory: Advance Data Technology

Right Head-Cheek-GSM850-Ch251-Mode 1

DUT: GSM Tri-Band Digital Mobile Phone ; Type: A211a ; Test Frequency: 848.8 MHz

Communication System: PCS 850 ; Frequency: 848.8 MHz ; Duty Cycle: 1:8.3

Phantom: SAM 12 Medium parameters used: $f = 848.8 \text{ MHz}$; $\sigma = 0.9 \text{ mho/m}$; $\epsilon_r = 41.3$; $\rho = 1000 \text{ kg/m}^3$;
Liquid level: 150mm

Phantom section: Right Section ; DUT test position : Cheek ; Modulation type: GMSK

Antenna type : External Antenna ; Air temp. : 22.8 degrees ; Liquid temp. : 21.6 degrees

DASY4 Configuration:

- Probe: ET3DV6 - SN1687; ConvF(6.34, 6.34, 6.34) ; Calibrated: 2005/9/15
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn510; Calibrated: 2005/8/17
- Phantom: SAM 12; Type: SAM V4.0; Serial: TP 1202
- Measurement SW: DASY4, V4.6 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 159

Touch position - High Channel 251/Area Scan (5x13x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

Maximum value of SAR (measured) = 1.32 mW/g

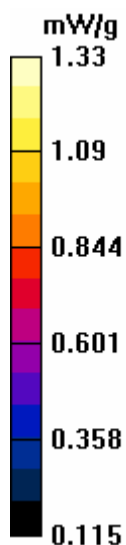
Touch position - High Channel 251/Zoom Scan (7x7x7) (7x7x7)/Cube 0: Measurement grid: $dx=5\text{mm}$, $dy=5\text{mm}$, $dz=5\text{mm}$

Reference Value = 9.28 V/m

Peak SAR (extrapolated) = 1.81 W/kg

SAR(1 g) = 1.23 mW/g; SAR(10 g) = 0.801 mW/g

Maximum value of SAR (measured) = 1.33 mW/g



Date/Time: 2005/10/28 14:41:31

Test Laboratory: Advance Data Technology

Right Head-Tilt-GSM850-Ch128-Mode 2

DUT: GSM Tri-Band Digital Mobile Phone ; Type: A211a ; Test Frequency: 824.2 MHz

Communication System: PCS 850 ; Frequency: 824.2 MHz; Duty Cycle: 1:8.3

Medium: HSL835 Medium parameters used: $f = 824.2 \text{ MHz}$; $\sigma = 0.88 \text{ mho/m}$; $\epsilon_r = 41.6$; $\rho = 1000 \text{ kg/m}^3$;

Liquid level: 150 mm

Phantom section: Right Section ; DUT test position : Tilt ; Modulation type: GMSK

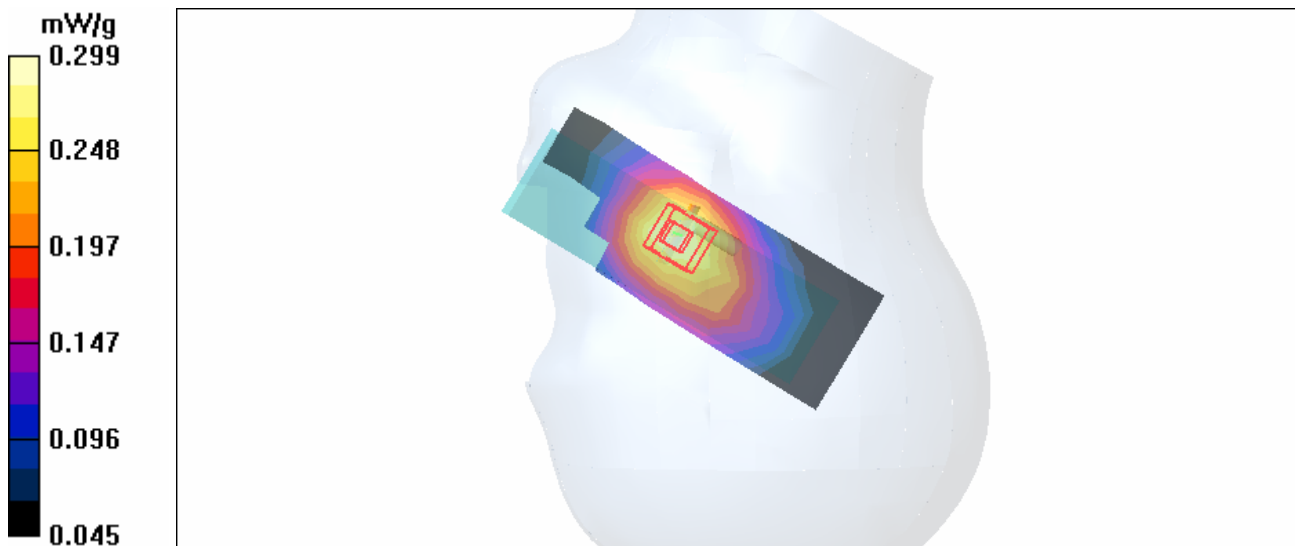
Antenna type : External Antenna ; Air temp. : 22.8 degrees ; Liquid temp. : 21.6 degrees

DASY4 Configuration:

- Probe: ET3DV6 - SN1687 ; ConvF(6.34, 6.34, 6.34) ; Calibrated: 2005/9/15
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn510; Calibrated: 2005/8/17
- Phantom: SAM 12; Type: SAM V4.0; Serial: TP 1202
- Measurement SW: DASY4, V4.6 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 159

Tilt position - Low Channel 128/Area Scan (5x13x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$
Maximum value of SAR (measured) = 0.292 mW/g

Tilt position - Low Channel 128/Zoom Scan (7x7x7) (7x7x7)/Cube 0: Measurement grid:
 $dx=5\text{mm}$, $dy=5\text{mm}$, $dz=5\text{mm}$
Reference Value = 11.7 V/m
Peak SAR (extrapolated) = 0.374 W/kg
SAR(1 g) = 0.282 mW/g; SAR(10 g) = 0.209 mW/g
Maximum value of SAR (measured) = 0.299 mW/g



Date/Time: 2005/10/28 15:23:09

Test Laboratory: Advance Data Technology

Right Head-Tilt-GSM850-Ch190-Mode 2

DUT: GSM Tri-Band Digital Mobile Phone ; Type: A211a ; Test Frequency: 836.6 MHz

Communication System: PCS 850 ; Frequency: 836.6 MHz; Duty Cycle: 1:8.3

Medium: HSL835 Medium parameters used: $f = 836.6$ MHz; $\sigma = 0.89$ mho/m; $\epsilon_r = 41.4$; $\rho = 1000$ kg/m³ ;

Liquid level: 150 mm

Phantom section: Right Section ; DUT test position : Tilt ; Modulation type: GMSK

Antenna type : External Antenna ; Air temp. : 22.8 degrees ; Liquid temp. : 21.6 degrees

DASY4 Configuration:

- Probe: ET3DV6 - SN1687 ; ConvF(6.34, 6.34, 6.34) ; Calibrated: 2005/9/15
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn510; Calibrated: 2005/8/17
- Phantom: SAM 12; Type: SAM V4.0; Serial: TP 1202
- Measurement SW: DASY4, V4.6 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 159

Tilt position - Mid Channel 190/Area Scan (5x13x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 0.287 mW/g

Tilt position - Mid Channel 190/Zoom Scan (7x7x7) (7x7x7)/Cube 0: Measurement grid:

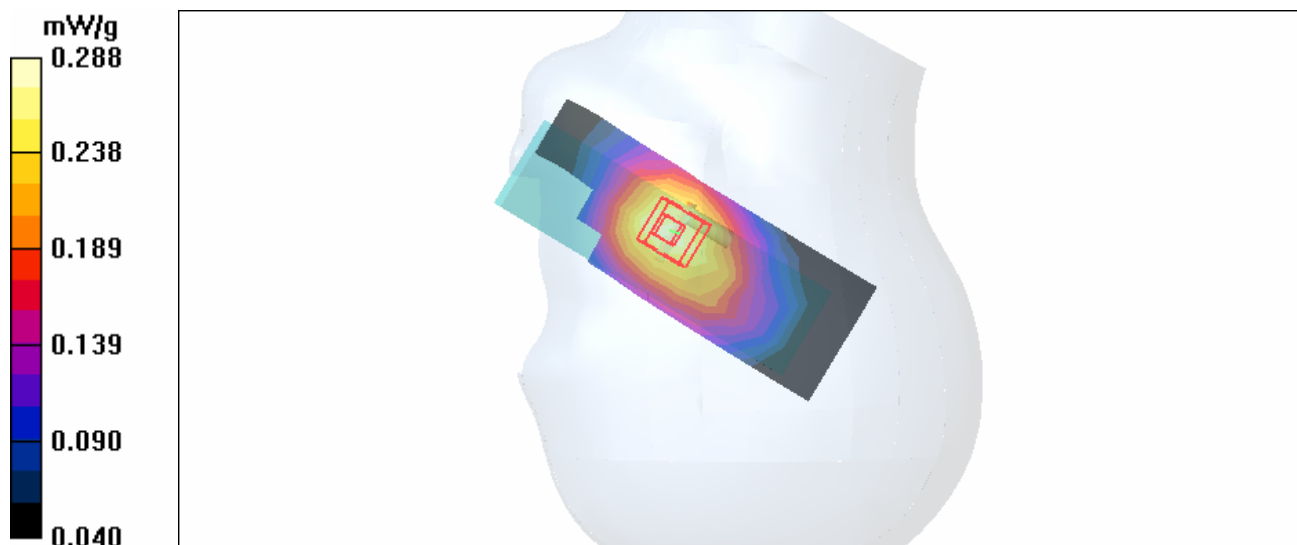
dx=5mm, dy=5mm, dz=5mm

Reference Value = 11.4 V/m

Peak SAR (extrapolated) = 0.359 W/kg

SAR(1 g) = 0.272 mW/g; SAR(10 g) = 0.202 mW/g

Maximum value of SAR (measured) = 0.288 mW/g



Date/Time: 2005/10/28 15:41:51

Test Laboratory: Advance Data Technology

Right Head-Tilt-GSM850-Ch251-Mode 2

DUT: GSM Tri-Band Digital Mobile Phone ; Type: A211a ; Test Frequency: 848.8 MHz

Communication System: PCS 850 ; Frequency: 848.8 MHz; Duty Cycle: 1:8.3

Medium: HSL835 Medium parameters used: $f = 848.8$ MHz; $\sigma = 0.9$ mho/m; $\epsilon_r = 41.3$; $\rho = 1000$ kg/m³ ;

Liquid level: 150 mm

Phantom section: Right Section ; DUT test position : Tilt ; Modulation type: GMSK

Antenna type : External Antenna ; Air temp. : 22.8 degrees ; Liquid temp. : 21.6 degrees

DASY4 Configuration:

- Probe: ET3DV6 - SN1687 ; ConvF(6.34, 6.34, 6.34) ; Calibrated: 2005/9/15
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn510; Calibrated: 2005/8/17
- Phantom: SAM 12; Type: SAM V4.0; Serial: TP 1202
- Measurement SW: DASY4, V4.6 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 159

Tilt position - High Channel 251/Area Scan (5x13x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 0.237 mW/g

Tilt position - High Channel 251/Zoom Scan (7x7x7) (7x7x7)/Cube 0: Measurement grid:

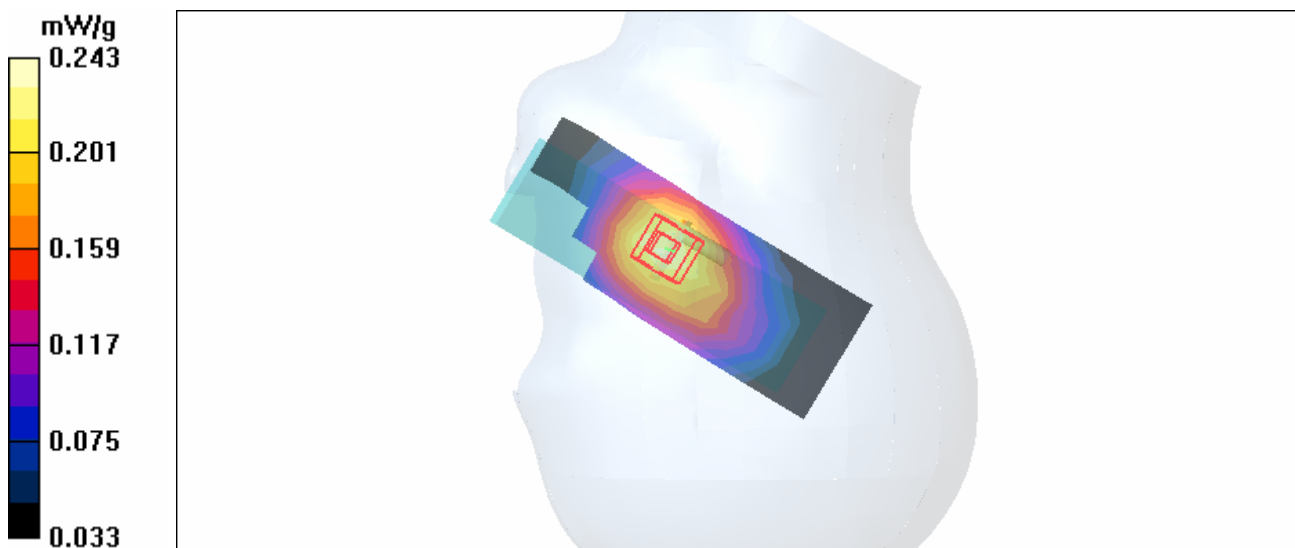
dx=5mm, dy=5mm, dz=5mm

Reference Value = 9.85 V/m

Peak SAR (extrapolated) = 0.295 W/kg

SAR(1 g) = 0.228 mW/g; SAR(10 g) = 0.169 mW/g

Maximum value of SAR (measured) = 0.243 mW/g



Date/Time: 2005/10/28 16:13:09

Test Laboratory: Advance Data Technology

Left Head-Cheek-GSM850-Ch128-Mode 3

DUT: GSM Tri-Band Digital Mobile Phone ; Type: A211a ; Test Frequency: 824.2 MHz

Communication System: PCS 850 ; Frequency: 824.2 MHz ; Duty Cycle: 1:8.3

Phantom: SAM 12 Medium parameters used: $f = 824.2 \text{ MHz}$; $\sigma = 0.88 \text{ mho/m}$; $\epsilon_r = 41.6$; $\rho = 1000 \text{ kg/m}^3$;
Liquid level: 150mm

Phantom section: Left Section ; DUT test position : Cheek ; Modulation type: GMSK

Antenna type : External Antenna ; Air temp. : 22.8 degrees ; Liquid temp. : 21.6 degrees

DASY4 Configuration:

- Probe: ET3DV6 - SN1687; ConvF(6.34, 6.34, 6.34) ; Calibrated: 2005/9/15
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn510; Calibrated: 2005/8/17
- Phantom: SAM 12; Type: SAM V4.0; Serial: TP 1202
- Measurement SW: DASY4, V4.6 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 159

Touch position - Low Channel 128/Area Scan (5x13x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

Maximum value of SAR (measured) = 1.24 mW/g

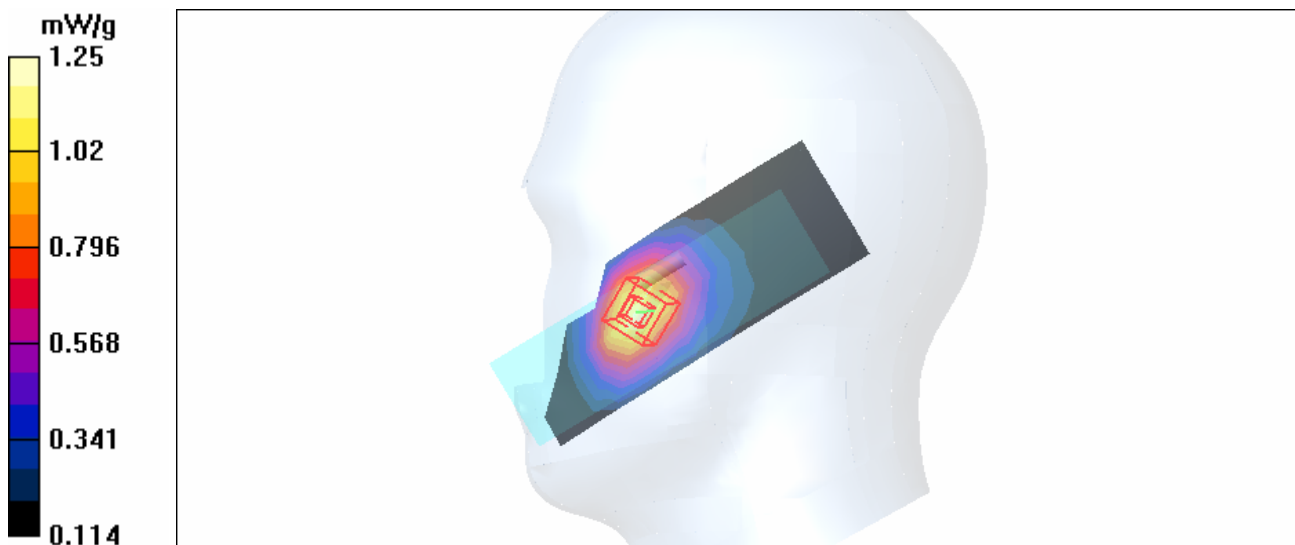
Touch position - Low Channel 128/Zoom Scan (7x7x7) (7x7x7)/Cube 0: Measurement grid: $dx=5\text{mm}$, $dy=5\text{mm}$, $dz=5\text{mm}$

Reference Value = 10.6 V/m

Peak SAR (extrapolated) = 1.63 W/kg

SAR(1 g) = 1.15 mW/g; SAR(10 g) = 0.764 mW/g

Maximum value of SAR (measured) = 1.25 mW/g



Date/Time: 2005/10/28 16:32:38

Test Laboratory: Advance Data Technology

Left Head-Cheek-GSM850-Ch190-Mode 3

DUT: GSM Tri-Band Digital Mobile Phone ; Type: A211a ; Test Frequency: 836.6 MHz

Communication System: PCS 850 ; Frequency: 836.6 MHz ; Duty Cycle: 1:8.3

Phantom: SAM 12 Medium parameters used: $f = 836.6 \text{ MHz}$; $\sigma = 0.89 \text{ mho/m}$; $\epsilon_r = 41.4$; $\rho = 1000 \text{ kg/m}^3$;

Liquid level: 150mm

Phantom section: Left Section ; DUT test position : Cheek ; Modulation type: GMSK

Antenna type : External Antenna ; Air temp. : 22.8 degrees ; Liquid temp. : 21.6 degrees

DASY4 Configuration:

- Probe: ET3DV6 - SN1687; ConvF(6.34, 6.34, 6.34) ; Calibrated: 2005/9/15
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn510; Calibrated: 2005/8/17
- Phantom: SAM 12; Type: SAM V4.0; Serial: TP 1202
- Measurement SW: DASY4, V4.6 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 159

Touch position - Mid Channel 190/Area Scan (5x13x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

Maximum value of SAR (measured) = 1.35 mW/g

Touch position - Mid Channel 190/Zoom Scan (7x7x7) (7x7x7)/Cube 0: Measurement grid: $dx=5\text{mm}$, $dy=5\text{mm}$, $dz=5\text{mm}$

Reference Value = 10.6 V/m

Peak SAR (extrapolated) = 1.81 W/kg

SAR(1 g) = 1.27 mW/g; SAR(10 g) = 0.840 mW/g

Maximum value of SAR (measured) = 1.37 mW/g



Date/Time: 2005/10/28 16:53:29

Test Laboratory: Advance Data Technology

Left Head-Cheek-GSM850-Ch251-Mode 3

DUT: GSM Tri-Band Digital Mobile Phone ; Type: A211a ; Test Frequency: 848.8 MHz

Communication System: PCS 850 ; Frequency: 848.8 MHz ; Duty Cycle: 1:8.3

Phantom: SAM 12 Medium parameters used: $f = 848.8 \text{ MHz}$; $\sigma = 0.9 \text{ mho/m}$; $\epsilon_r = 41.3$; $\rho = 1000 \text{ kg/m}^3$;

Liquid level: 150mm

Phantom section: Left Section ; DUT test position : Cheek ; Modulation type: GMSK

Antenna type : External Antenna ; Air temp. : 22.8 degrees ; Liquid temp. : 21.6 degrees

DASY4 Configuration:

- Probe: ET3DV6 - SN1687; ConvF(6.34, 6.34, 6.34) ; Calibrated: 2005/9/15
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn510; Calibrated: 2005/8/17
- Phantom: SAM 12; Type: SAM V4.0; Serial: TP 1202
- Measurement SW: DASY4, V4.6 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 159

Touch position - High Channel 251/Area Scan (5x13x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

Maximum value of SAR (measured) = 1.12 mW/g

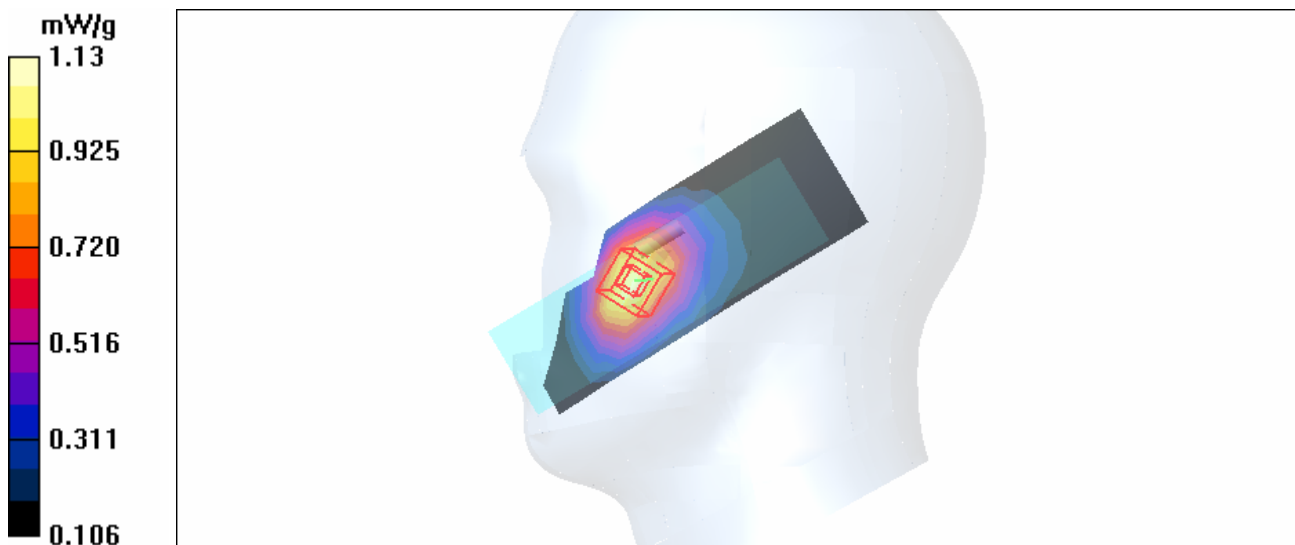
Touch position - High Channel 251/Zoom Scan (7x7x7) (7x7x7)/Cube 0: Measurement grid: $dx=5\text{mm}$, $dy=5\text{mm}$, $dz=5\text{mm}$

Reference Value = 9.18 V/m

Peak SAR (extrapolated) = 1.49 W/kg

SAR(1 g) = 1.05 mW/g; SAR(10 g) = 0.703 mW/g

Maximum value of SAR (measured) = 1.13 mW/g



Date/Time: 2005/10/28 17:13:01

Test Laboratory: Advance Data Technology

Left Head-Tilt-GSM850-Ch128-Mode 4

DUT: GSM Tri-Band Digital Mobile Phone ; Type: A211a ; Test Frequency: 824.2 MHz

Communication System: PCS 850 ; Frequency: 824.2 MHz; Duty Cycle: 1:8.3

Medium: HSL835 Medium parameters used: $f = 824.2 \text{ MHz}$; $\sigma = 0.88 \text{ mho/m}$; $\epsilon_r = 41.6$; $\rho = 1000 \text{ kg/m}^3$;

Liquid level: 150 mm

Phantom section: Left Section ; DUT test position : Tilt ; Modulation type: GMSK

Antenna type : External Antenna ; Air temp. : 22.8 degrees ; Liquid temp. : 21.6 degrees

DASY4 Configuration:

- Probe: ET3DV6 - SN1687 ; ConvF(6.34, 6.34, 6.34) ; Calibrated: 2005/9/15
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn510; Calibrated: 2005/8/17
- Phantom: SAM 12; Type: SAM V4.0; Serial: TP 1202
- Measurement SW: DASY4, V4.6 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 159

Tilt position - Low Channel 128/Area Scan (5x13x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$
Maximum value of SAR (measured) = 0.315 mW/g

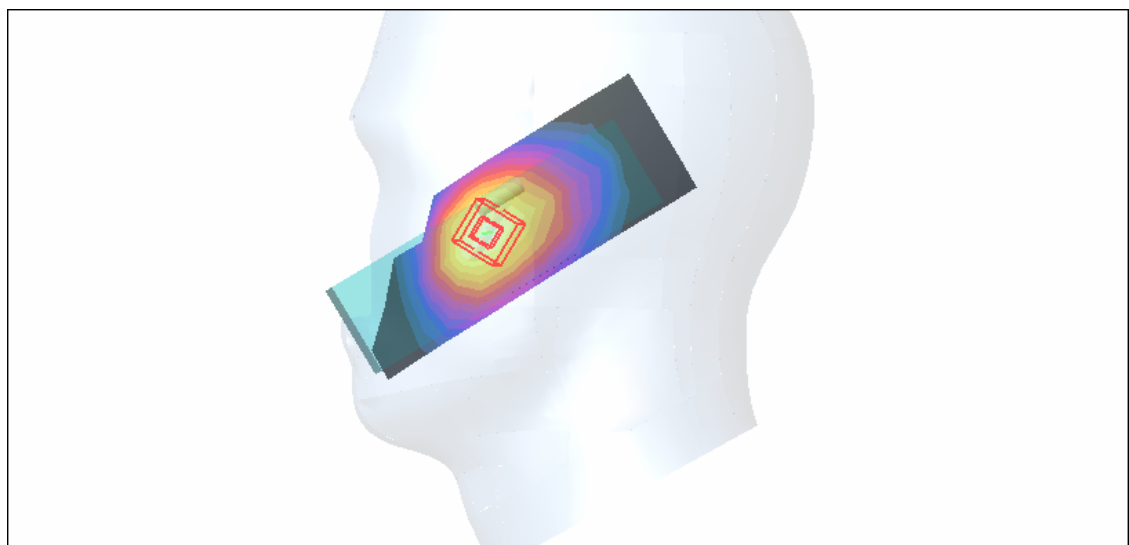
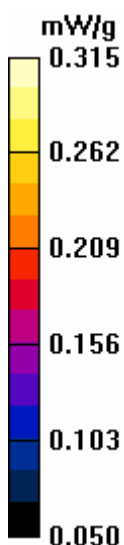
Tilt position - Low Channel 128/Zoom Scan (7x7x7) (7x7x7)/Cube 0: Measurement grid:

$dx=5\text{mm}$, $dy=5\text{mm}$, $dz=5\text{mm}$

Reference Value = 11.5 V/m

Peak SAR (extrapolated) = 0.403 W/kg

SAR(1 g) = 0.299 mW/g; SAR(10 g) = 0.219 mW/g



Date/Time: 2005/10/28 17:32:12

Test Laboratory: Advance Data Technology

Left Head-Tilt-GSM850-Ch190-Mode 4

DUT: GSM Tri-Band Digital Mobile Phone ; Type: A211a ; Test Frequency: 836.6 MHz

Communication System: PCS 850 ; Frequency: 836.6 MHz; Duty Cycle: 1:8.3

Medium: HSL835 Medium parameters used: $f = 836.6 \text{ MHz}$; $\sigma = 0.89 \text{ mho/m}$; $\epsilon_r = 41.4$; $\rho = 1000 \text{ kg/m}^3$;

Liquid level: 150 mm

Phantom section: Left Section ; DUT test position : Tilt ; Modulation type: GMSK

Antenna type : External Antenna ; Air temp. : 22.8 degrees ; Liquid temp. : 21.6 degrees

DASY4 Configuration:

- Probe: ET3DV6 - SN1687 ; ConvF(6.34, 6.34, 6.34) ; Calibrated: 2005/9/15
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn510; Calibrated: 2005/8/17
- Phantom: SAM 12; Type: SAM V4.0; Serial: TP 1202
- Measurement SW: DASY4, V4.6 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 159

Tilt position - Mid Channel 190/Area Scan (5x13x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

Maximum value of SAR (measured) = 0.319 mW/g

Tilt position - Mid Channel 190/Zoom Scan (7x7x7) (7x7x7)/Cube 0: Measurement grid:

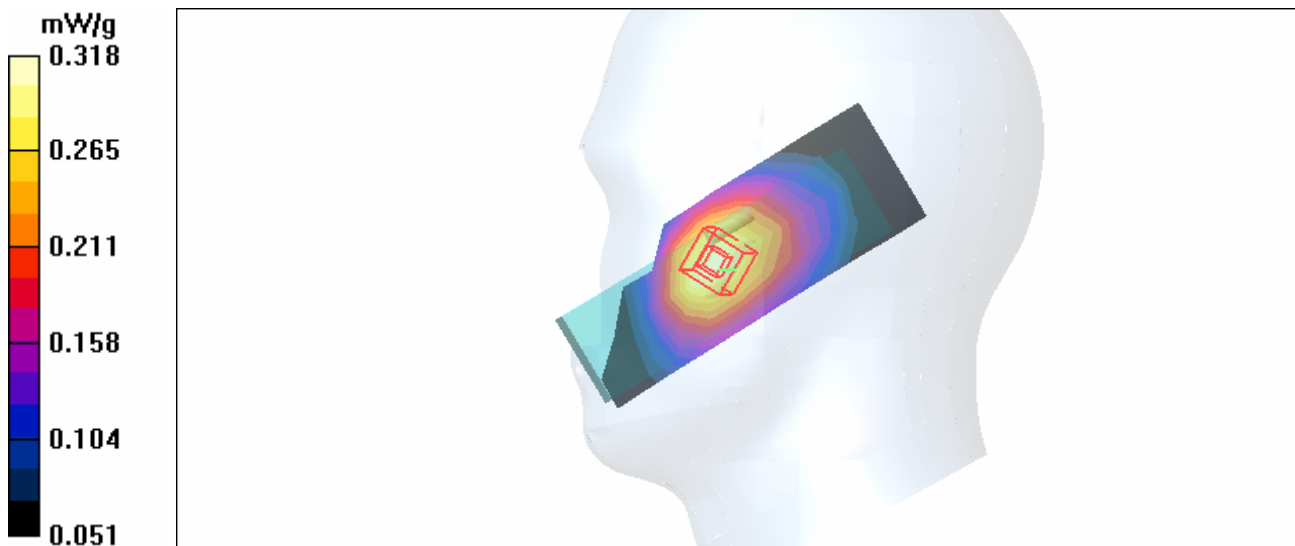
$dx=5\text{mm}$, $dy=5\text{mm}$, $dz=5\text{mm}$

Reference Value = 11.2 V/m

Peak SAR (extrapolated) = 0.406 W/kg

SAR(1 g) = 0.302 mW/g; SAR(10 g) = 0.222 mW/g

Maximum value of SAR (measured) = 0.318 mW/g



Date/Time: 2005/10/28 17:50:22

Test Laboratory: Advance Data Technology

Left Head-Tilt-GSM850-Ch251-Mode 4

DUT: GSM Tri-Band Digital Mobile Phone ; Type: A211a ; Test Frequency: 848.8 MHz

Communication System: PCS 850 ; Frequency: 848.8 MHz; Duty Cycle: 1:8.3

Medium: HSL835 Medium parameters used: $f = 848.8 \text{ MHz}$; $\sigma = 0.9 \text{ mho/m}$; $\epsilon_r = 41.3$; $\rho = 1000 \text{ kg/m}^3$;

Liquid level: 150 mm

Phantom section: Left Section ; DUT test position : Tilt ; Modulation type: GMSK

Antenna type : External Antenna ; Air temp. : 22.8 degrees ; Liquid temp. : 21.6 degrees

DASY4 Configuration:

- Probe: ET3DV6 - SN1687 ; ConvF(6.34, 6.34, 6.34) ; Calibrated: 2005/9/15
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn510; Calibrated: 2005/8/17
- Phantom: SAM 12; Type: SAM V4.0; Serial: TP 1202
- Measurement SW: DASY4, V4.6 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 159

Tilt position - High Channel 251/Area Scan (5x13x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

Maximum value of SAR (measured) = 0.263 mW/g

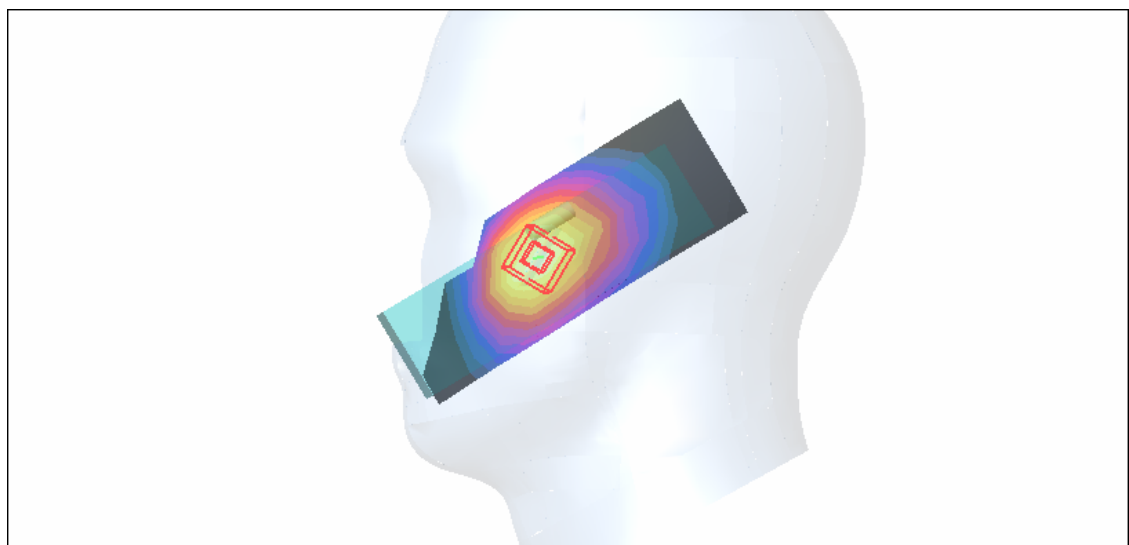
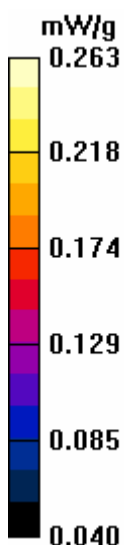
Tilt position - High Channel 251/Zoom Scan (7x7x7) (7x7x7)/Cube 0: Measurement grid:

$dx=5\text{mm}$, $dy=5\text{mm}$, $dz=5\text{mm}$

Reference Value = 9.81 V/m

Peak SAR (extrapolated) = 0.332 W/kg

SAR(1 g) = **0.250 mW/g**; SAR(10 g) = **0.183 mW/g**



Date/Time: 2005/10/28 20:12:00

Test Laboratory: Advance Data Technology

BodyWorn-GPRS850-Ch128-bottom-Mode 5

DUT: GSM Tri-band Digital Mobile Phone ; Type: A211a ; Test Frequency: 824.2 MHz

Communication System: PCS 850 ; Frequency: 824.2 MHz ; Duty Cycle: 1:4

Medium: MSL835 Medium parameters used: $f = 824.2$ MHz; $\sigma = 0.95$ mho/m; $\epsilon_r = 55.4$; $\rho = 1000$ kg/m³ ; Liquid Level : 151m

Phantom section: Flat Section ; DUT test position : Body ; Modulation Type: GMSK / UL 2 time slots

Separation Distance : 15 mm (The bottom side of the EUT to the Phantom)

Antenna Type : External Antenna ; Air Temp. : 22.6degrees ; Liquid Temp. : 21.3degrees

DASY4 Configuration:

- Probe: ET3DV6 - SN1687 ; ConvF(6.21, 6.21, 6.21) ; Calibrated: 2005/9/15
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn510 ; Calibrated: 2005/8/17
- Phantom: SAM 12 ; Type: SAM V4.0; Serial: TP 1202
- Measurement SW: DASY4, V4.6 Build 19 ; Postprocessing SW: SEMCAD, V1.8 Build 159

Low Channel 128/Area Scan (5x9x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 1.52 mW/g

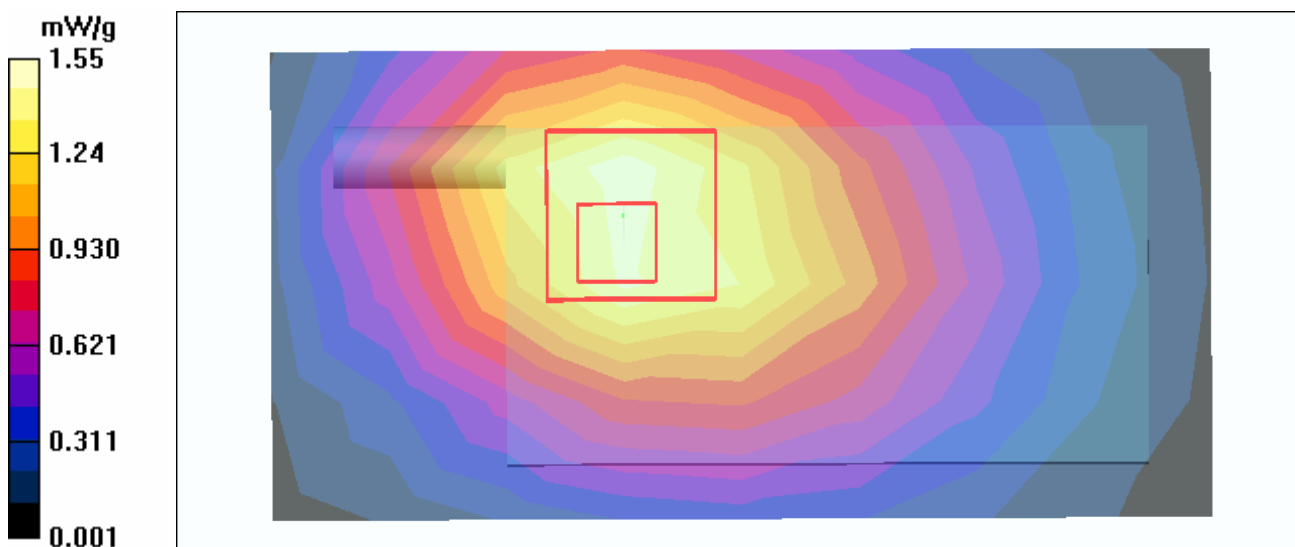
Low Channel 128/Zoom Scan (7x7x7) (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

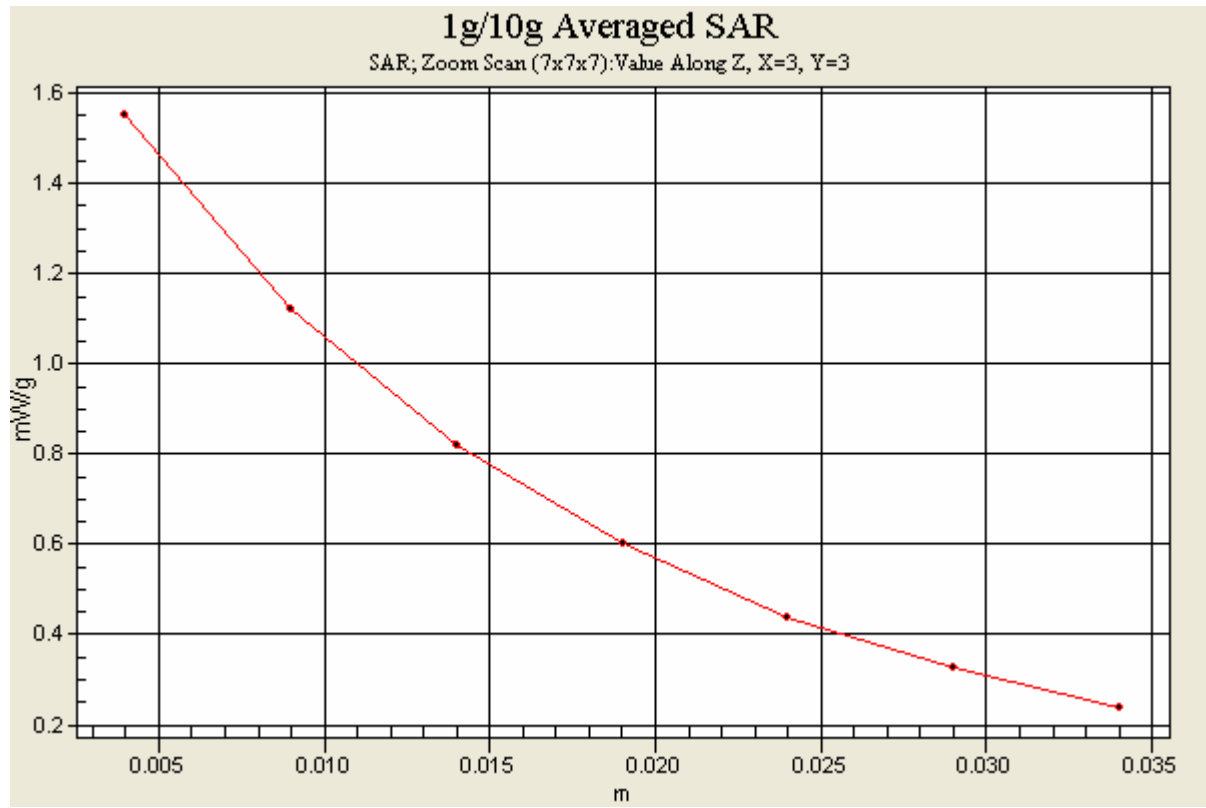
Reference Value = 39.0 V/m

Peak SAR (extrapolated) = 2.31 W/kg

SAR(1 g) = 1.48 mW/g; SAR(10 g) = 1.02 mW/g

Maximum value of SAR (measured) = 1.55 mW/g





Date/Time: 2005/10/28 20:32:03

Test Laboratory: Advance Data Technology

BodyWorn-GPRS850-Ch190-bottom-Mode 5

DUT: GSM Tri-band Digital Mobile Phone ; Type: A211a ; Test Frequency: 836.6 MHz

Communication System: PCS 850 ; Frequency: 836.6 MHz ; Duty Cycle: 1:4

Medium: MSL835 Medium parameters used: $f = 836.6 \text{ MHz}$; $\sigma = 0.99 \text{ mho/m}$; $\epsilon_r = 55.2$; $\rho = 1000 \text{ kg/m}^3$; Liquid Level : 151m

Phantom section: Flat Section ; DUT test position : Body ; Modulation Type: GMSK / UL 2 time slots
Separation Distance : 15 mm (The bottom side of the EUT to the Phantom)

Antenna Type : External Antenna ; Air Temp. : 22.6degrees ; Liquid Temp. : 21.3degrees

DASY4 Configuration:

- Probe: ET3DV6 - SN1687 ; ConvF(6.21, 6.21, 6.21) ; Calibrated: 2005/9/15
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn510 ; Calibrated: 2005/8/17
- Phantom: SAM 12 ; Type: SAM V4.0; Serial: TP 1202
- Measurement SW: DASY4, V4.6 Build 19 ; Postprocessing SW: SEMCAD, V1.8 Build 159

Mid Channel 190/Area Scan (5x9x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

Maximum value of SAR (measured) = 1.49 mW/g

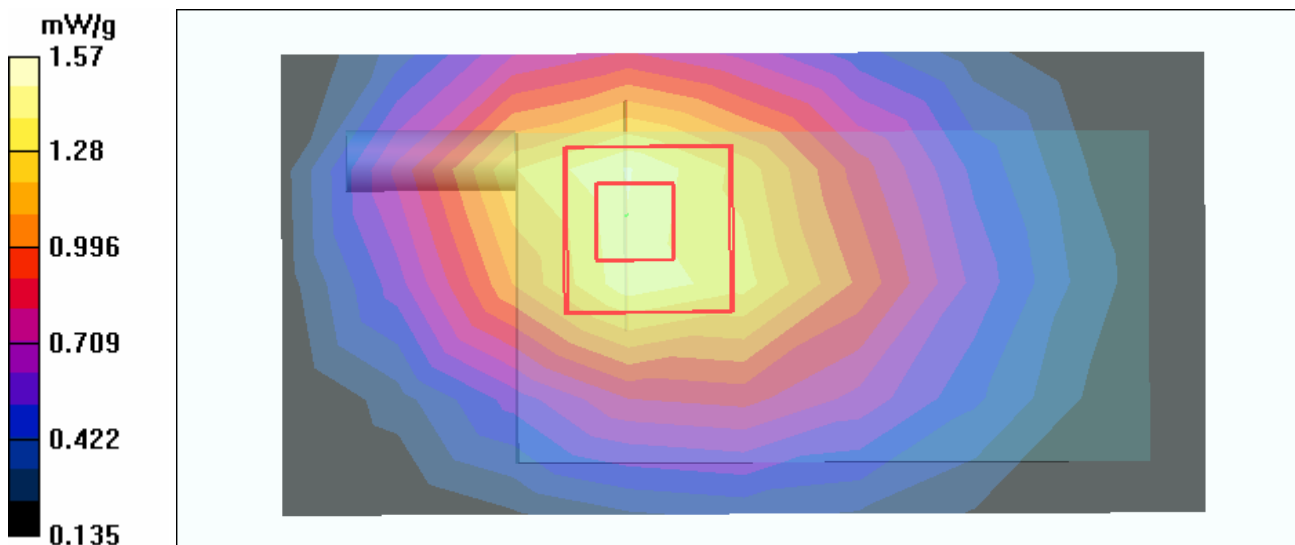
Mid Channel 190/Zoom Scan (7x7x7) (7x7x7)/Cube 0: Measurement grid: $dx=5\text{mm}$, $dy=5\text{mm}$, $dz=5\text{mm}$

Reference Value = 37.0 V/m

Peak SAR (extrapolated) = 2.02 W/kg

SAR(1 g) = 1.46 mW/g; SAR(10 g) = 1.02 mW/g

Maximum value of SAR (measured) = 1.57 mW/g



Date/Time: 2005/10/28 20:48:05

Test Laboratory: Advance Data Technology

BodyWorn-GPRS850-Ch251-bottom-Mode 5

DUT: GSM Tri-band Digital Mobile Phone ; Type: A211a ; Test Frequency: 848.8 MHz

Communication System: PCS 850 ; Frequency: 848.8 MHz ; Duty Cycle: 1:4

Medium: MSL835 Medium parameters used: $f = 848.8 \text{ MHz}$; $\sigma = 1 \text{ mho/m}$; $\epsilon_r = 55.1$; $\rho = 1000 \text{ kg/m}^3$; Liquid Level : 151m

Phantom section: Flat Section ; DUT test position : Body ; Modulation Type: GMSK / UL 2 time slots

Separation Distance : 15 mm (The bottom side of the EUT to the Phantom)

Antenna Type : External Antenna ; Air Temp. : 22.6degrees ; Liquid Temp. : 21.3degrees

DASY4 Configuration:

- Probe: ET3DV6 - SN1687 ; ConvF(6.21, 6.21, 6.21) ; Calibrated: 2005/9/15
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn510 ; Calibrated: 2005/8/17
- Phantom: SAM 12 ; Type: SAM V4.0; Serial: TP 1202
- Measurement SW: DASY4, V4.6 Build 19 ; Postprocessing SW: SEMCAD, V1.8 Build 159

High Channel 251/Area Scan (5x9x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

Maximum value of SAR (measured) = 1.19 mW/g

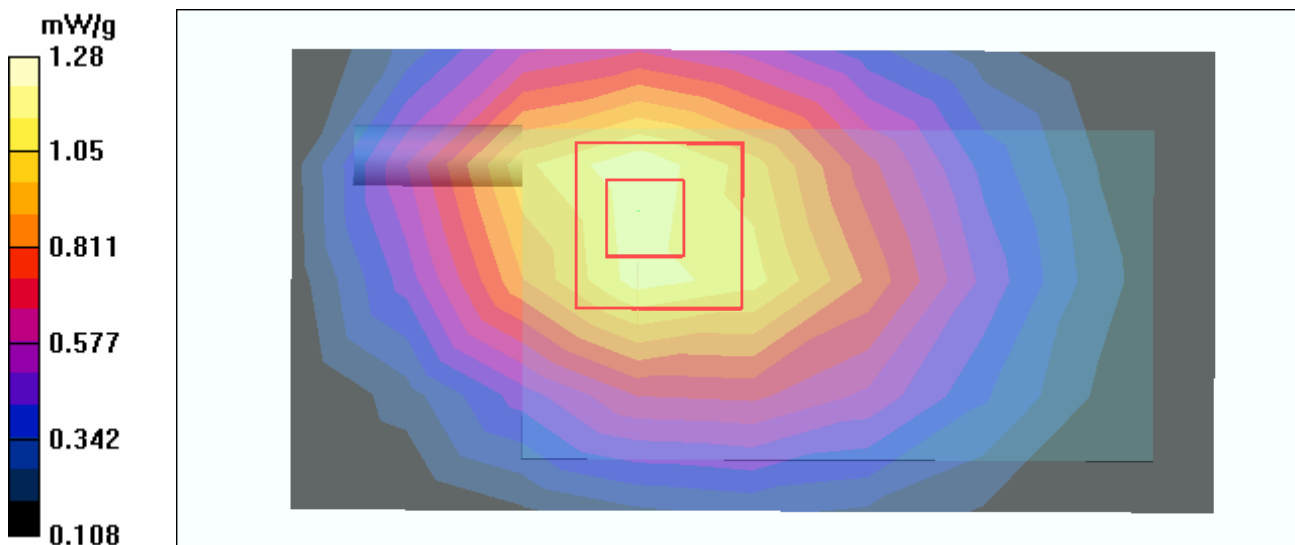
High Channel 251/Zoom Scan (7x7x7) (7x7x7)/Cube 0: Measurement grid: $dx=5\text{mm}$, $dy=5\text{mm}$, $dz=5\text{mm}$

Reference Value = 33.1 V/m

Peak SAR (extrapolated) = 1.67 W/kg

SAR(1 g) = 1.2 mW/g; SAR(10 g) = 0.831 mW/g

Maximum value of SAR (measured) = 1.28 mW/g



Date/Time: 2005/10/28 21:06:45

Test Laboratory: Advance Data Technology

BodyWorn-GPRS850-Ch128-front-Mode 6

DUT: GSM Tri-band Digital Mobile Phone ; Type: A211a ; Test Frequency: 824.2 MHz

Communication System: PCS 850 ; Frequency: 824.2 MHz ; Duty Cycle: 1:4

Medium: MSL835 Medium parameters used: $f = 824.2 \text{ MHz}$; $\sigma = 0.95 \text{ mho/m}$; $\epsilon_r = 55.4$; $\rho = 1000 \text{ kg/m}^3$; Liquid Level : 151m

Phantom section: Flat Section ; DUT test position : Body ; Modulation Type: GMSK / UL 2 time slots

Separation Distance : 15 mm (The front side of the EUT to the Phantom)

Antenna Type : External Antenna ; Air Temp. : 22.6degrees ; Liquid Temp. : 21.3degrees

DASY4 Configuration:

- Probe: ET3DV6 - SN1687 ; ConvF(6.21, 6.21, 6.21) ; Calibrated: 2005/9/15
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn510 ; Calibrated: 2005/8/17
- Phantom: SAM 12 ; Type: SAM V4.0; Serial: TP 1202
- Measurement SW: DASY4, V4.6 Build 19 ; Postprocessing SW: SEMCAD, V1.8 Build 159

Low Channel 128/Area Scan (5x9x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

Maximum value of SAR (measured) = 0.739 mW/g

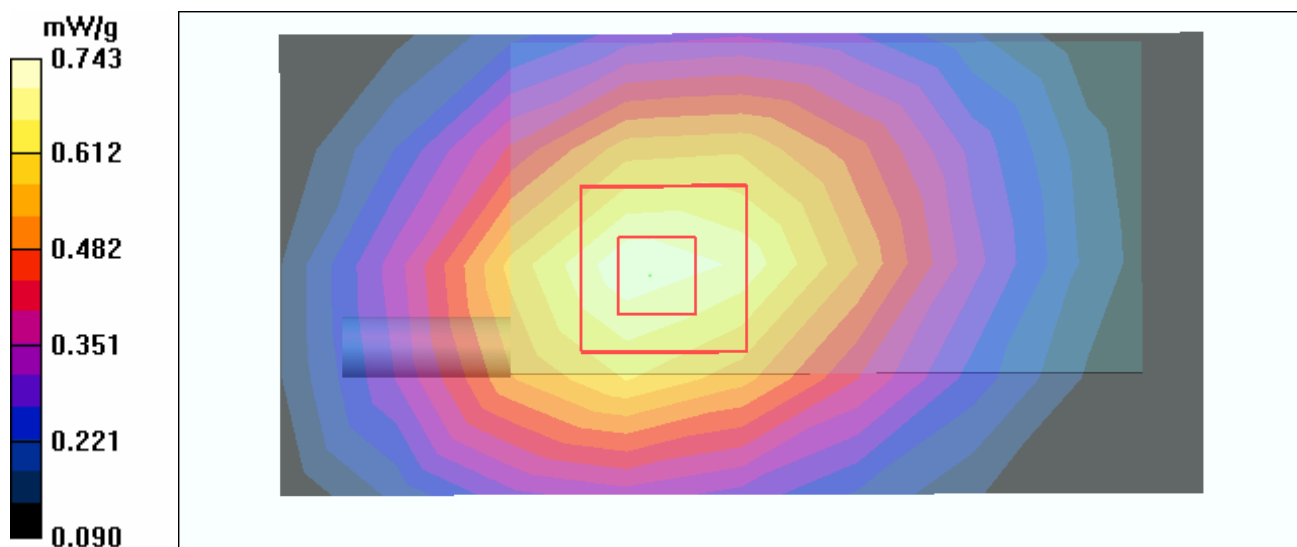
Low Channel 128/Zoom Scan (7x7x7) (7x7x7)/Cube 0: Measurement grid: $dx=5\text{mm}$, $dy=5\text{mm}$, $dz=5\text{mm}$

Reference Value = 25.7 V/m

Peak SAR (extrapolated) = 0.919 W/kg

SAR(1 g) = 0.696 mW/g; SAR(10 g) = 0.498 mW/g

Maximum value of SAR (measured) = 0.743 mW/g



Date/Time: 2005/10/28 21:31:22

Test Laboratory: Advance Data Technology

BodyWorn-GPRS850-Ch190-front-Mode 6

DUT: GSM Tri-band Digital Mobile Phone ; Type: A211a ; Test Frequency: 836.6 MHz

Communication System: PCS 850 ; Frequency: 836.6 MHz ; Duty Cycle: 1:4

Medium: MSL835 Medium parameters used: $f = 836.6 \text{ MHz}$; $\sigma = 0.99 \text{ mho/m}$; $\epsilon_r = 55.2$; $\rho = 1000 \text{ kg/m}^3$; Liquid Level : 151m

Phantom section: Flat Section ; DUT test position : Body ; Modulation Type: GMSK / UL 2 time slots
Separation Distance : 15 mm (The front side of the EUT to the Phantom)

Antenna Type : External Antenna ; Air Temp. : 22.6degrees ; Liquid Temp. : 21.3degrees

DASY4 Configuration:

- Probe: ET3DV6 - SN1687 ; ConvF(6.21, 6.21, 6.21) ; Calibrated: 2005/9/15
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn510 ; Calibrated: 2005/8/17
- Phantom: SAM 12 ; Type: SAM V4.0; Serial: TP 1202
- Measurement SW: DASY4, V4.6 Build 19 ; Postprocessing SW: SEMCAD, V1.8 Build 159

Mid Channel 190/Area Scan (5x9x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

Maximum value of SAR (measured) = 0.813 mW/g

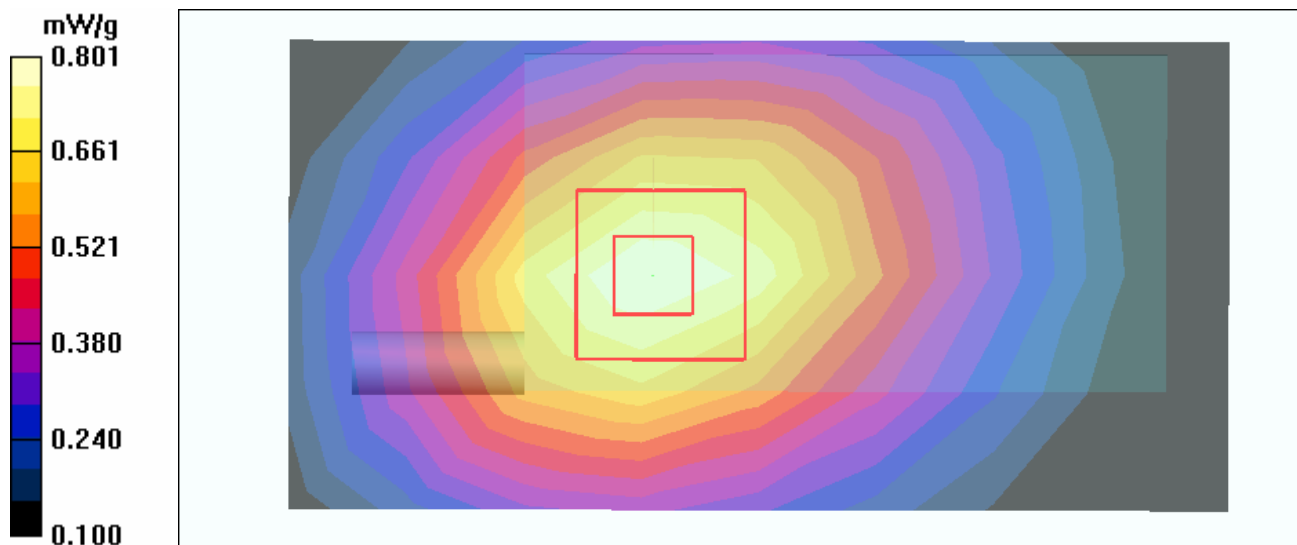
Mid Channel 190/Zoom Scan (7x7x7) (7x7x7)/Cube 0: Measurement grid: $dx=5\text{mm}$, $dy=5\text{mm}$, $dz=5\text{mm}$

Reference Value = 26.6 V/m

Peak SAR (extrapolated) = 0.983 W/kg

SAR(1 g) = 0.751 mW/g; SAR(10 g) = 0.537 mW/g

Maximum value of SAR (measured) = 0.801 mW/g



Date/Time: 2005/10/28 21:47:23

Test Laboratory: Advance Data Technology

BodyWorn-GPRS850-Ch251-front-Mode 6

DUT: GSM Tri-band Digital Mobile Phone ; Type: A211a ; Test Frequency: 848.8 MHz

Communication System: PCS 850 ; Frequency: 848.8 MHz ; Duty Cycle: 1:4

Medium: MSL835 Medium parameters used: $f = 848.8 \text{ MHz}$; $\sigma = 1 \text{ mho/m}$; $\epsilon_r = 55.1$; $\rho = 1000 \text{ kg/m}^3$; Liquid Level : 151m

Phantom section: Flat Section ; DUT test position : Body ; Modulation Type: GMSK / UL 2 time slots
Separation Distance : 15 mm (The front side of the EUT to the Phantom)

Antenna Type : External Antenna ; Air Temp. : 22.6degrees ; Liquid Temp. : 21.3degrees

DASY4 Configuration:

- Probe: ET3DV6 - SN1687 ; ConvF(6.21, 6.21, 6.21) ; Calibrated: 2005/9/15
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn510 ; Calibrated: 2005/8/17
- Phantom: SAM 12 ; Type: SAM V4.0; Serial: TP 1202
- Measurement SW: DASY4, V4.6 Build 19 ; Postprocessing SW: SEMCAD, V1.8 Build 159

High Channel 251/Area Scan (5x9x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

Maximum value of SAR (measured) = 0.685 mW/g

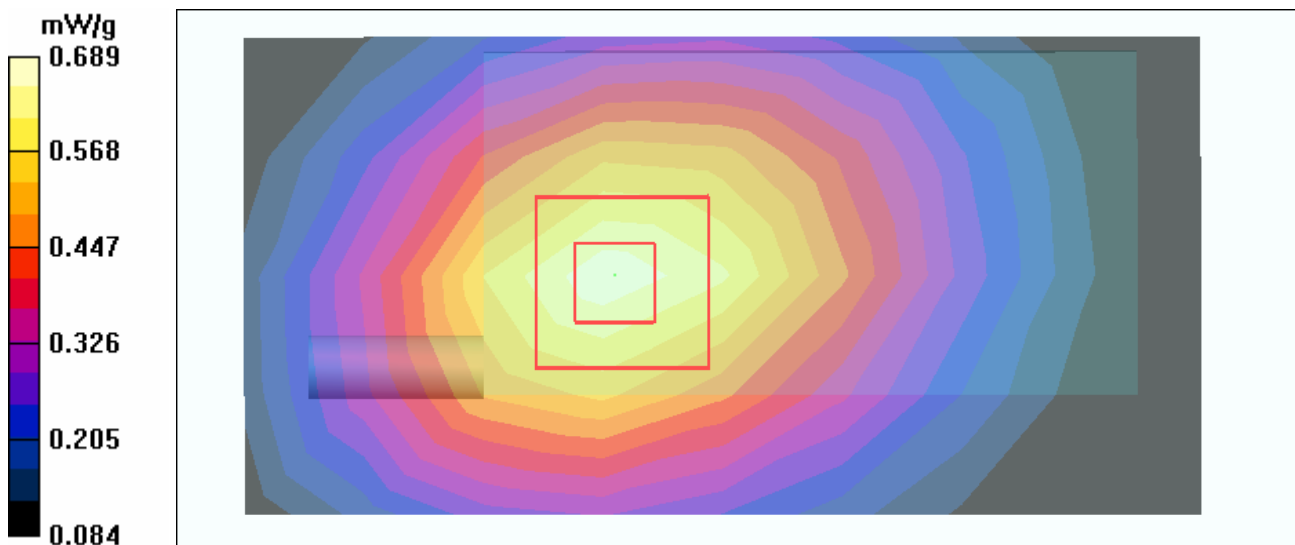
High Channel 251/Zoom Scan (7x7x7) (7x7x7)/Cube 0: Measurement grid: $dx=5\text{mm}$, $dy=5\text{mm}$, $dz=5\text{mm}$

Reference Value = 24.1 V/m

Peak SAR (extrapolated) = 0.849 W/kg

SAR(1 g) = 0.650 mW/g; SAR(10 g) = 0.462 mW/g

Maximum value of SAR (measured) = 0.689 mW/g



Date/Time: 2005/10/27 11:08:38

Test Laboratory: Advance Data Technology

Right Head-Cheek-PCS1900-Ch512-Mode 7

DUT: GSM Tri-Band Digital Mobile Phone ; Type: A211a ; Test Frequency: 1850.2 MHz

Communication System: PCS 1900 ; Frequency: 1850.2 MHz ; Duty Cycle: 1:8.3

Phantom: SAM 12 Medium parameters used: $f = 1850.2 \text{ MHz}$; $\sigma = 1.39 \text{ mho/m}$; $\epsilon_r = 39.9$; $\rho = 1000 \text{ kg/m}^3$; Liquid level: 155mm

Phantom section: Right Section ; DUT test position : Cheek ; Modulation type: GMSK

Antenna type : External Antenna ; Air temp. : 22.4 degrees ; Liquid temp. : 21.2 degrees

DASY4 Configuration:

- Probe: ET3DV6 - SN1687; ConvF(4.96, 4.96, 4.96) ; Calibrated: 2005/9/15
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn510; Calibrated: 2005/8/17
- Phantom: SAM 12; Type: SAM V4.0; Serial: TP 1202
- Measurement SW: DASY4, V4.6 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 159

Touch position - Low Channel 512/Area Scan (5x13x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

Maximum value of SAR (measured) = 0.681 mW/g

Touch position - Low Channel 512/Zoom Scan (7x7x7) (7x7x7)/Cube 0: Measurement grid: $dx=5\text{mm}$, $dy=5\text{mm}$, $dz=5\text{mm}$

Reference Value = 9.97 V/m

Peak SAR (extrapolated) = 1.02 W/kg

SAR(1 g) = 0.633 mW/g; SAR(10 g) = 0.331 mW/g

Maximum value of SAR (measured) = 0.713 mW/g

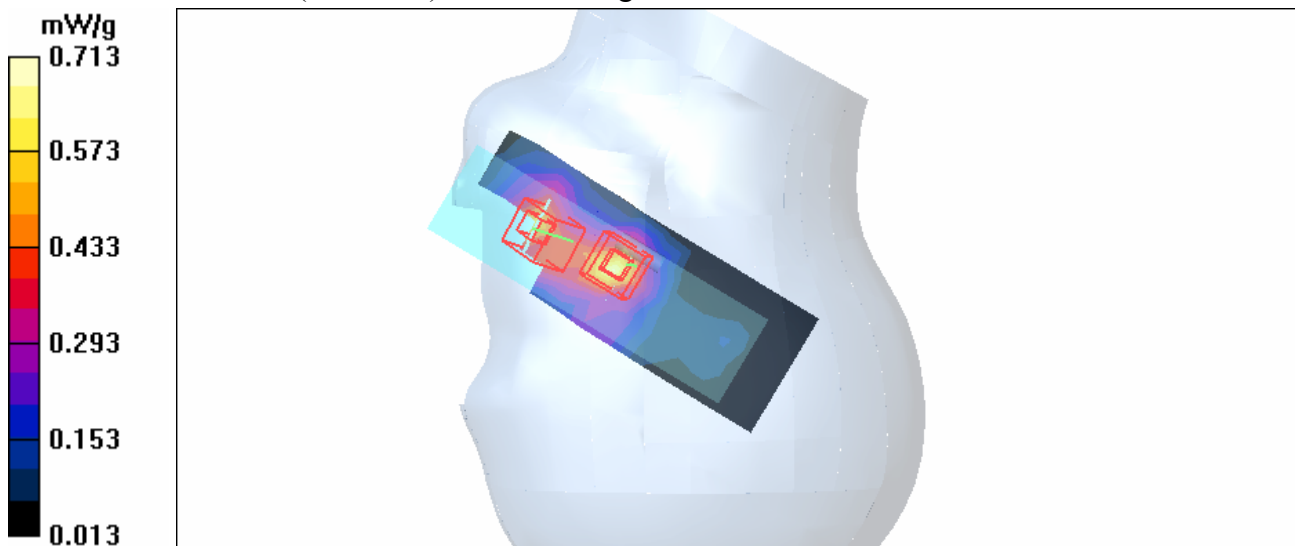
Touch position - Low Channel 512/Zoom Scan (7x7x7) (7x7x7)/Cube 1: Measurement grid: $dx=5\text{mm}$, $dy=5\text{mm}$, $dz=5\text{mm}$

Reference Value = 9.97 V/m

Peak SAR (extrapolated) = 0.705 W/kg

SAR(1 g) = 0.512 mW/g; SAR(10 g) = 0.331 mW/g

Maximum value of SAR (measured) = 0.558 mW/g



Date/Time: 2005/10/27 11:44:06

Test Laboratory: Advance Data Technology

Right Head-Cheek-PCS1900-Ch661-Mode 7

DUT: GSM Tri-Band Digital Mobile Phone ; Type: A211a ; Test Frequency: 1880 MHz

Communication System: PCS 1900 ; Frequency: 1880 MHz ; Duty Cycle: 1:8.3

Phantom: SAM 12 Medium parameters used: $f = 1880 \text{ MHz}$; $\sigma = 1.42 \text{ mho/m}$; $\epsilon_r = 39.8$; $\rho = 1000 \text{ kg/m}^3$;

Liquid level: 155mm

Phantom section: Right Section ; DUT test position : Cheek ; Modulation type: GMSK

Antenna type : External Antenna ; Air temp. : 22.4 degrees ; Liquid temp. : 21.2 degrees

DASY4 Configuration:

- Probe: ET3DV6 - SN1687; ConvF(4.96, 4.96, 4.96) ; Calibrated: 2005/9/15

- Sensor-Surface: 4mm (Mechanical Surface Detection)

- Electronics: DAE3 Sn510; Calibrated: 2005/8/17

- Phantom: SAM 12; Type: SAM V4.0; Serial: TP 1202

- Measurement SW: DASY4, V4.6 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 159

Touch position - Mid Channel 661/Area Scan (5x13x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

Maximum value of SAR (measured) = 0.751 mW/g

Touch position - Mid Channel 661/Zoom Scan (7x7x7) (7x7x7)/Cube 0: Measurement grid: $dx=5\text{mm}$, $dy=5\text{mm}$, $dz=5\text{mm}$

Reference Value = 10.4 V/m

Peak SAR (extrapolated) = 1.11 W/kg

SAR(1 g) = 0.694 mW/g; SAR(10 g) = 0.364 mW/g

Maximum value of SAR (measured) = 0.784 mW/g

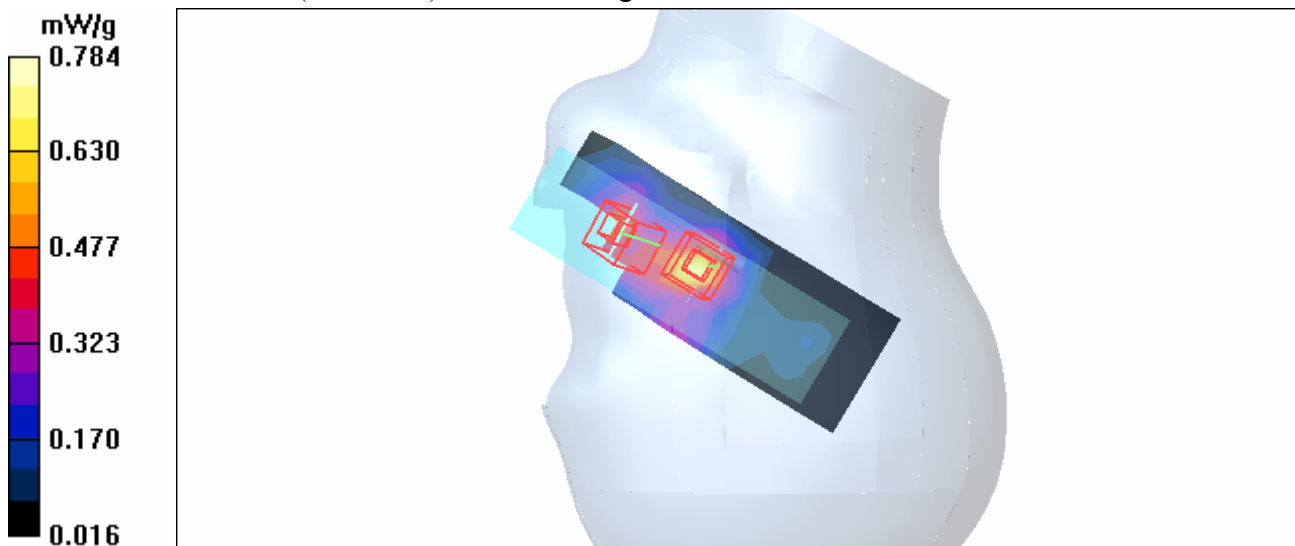
Touch position - Mid Channel 661/Zoom Scan (7x7x7) (7x7x7)/Cube 1: Measurement grid: $dx=5\text{mm}$, $dy=5\text{mm}$, $dz=5\text{mm}$

Reference Value = 10.4 V/m

Peak SAR (extrapolated) = 0.653 W/kg

SAR(1 g) = 0.477 mW/g; SAR(10 g) = 0.308 mW/g

Maximum value of SAR (measured) = 0.516 mW/g



Date/Time: 2005/10/27 12:16:59

Test Laboratory: Advance Data Technology

Right Head-Cheek-PCS1900-Ch810-Mode 7

DUT: GSM Tri-Band Digital Mobile Phone ; Type: A211a ; Test Frequency: 1909.8 MHz

Communication System: PCS 1900 ; Frequency: 1909.8 MHz ; Duty Cycle: 1:8.3

Phantom: SAM 12 Medium parameters used: $f = 1909.8$ MHz; $\sigma = 1.45$ mho/m; $\epsilon_r = 39.6$; $\rho = 1000$ kg/m³ ; Liquid level: 155mm

Phantom section: Right Section ; DUT test position : Cheek ; Modulation type: GMSK

Antenna type : External Antenna ; Air temp. : 22.4 degrees ; Liquid temp. : 21.2 degrees

DASY4 Configuration:

- Probe: ET3DV6 - SN1687; ConvF(4.96, 4.96, 4.96) ; Calibrated: 2005/9/15
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn510; Calibrated: 2005/8/17
- Phantom: SAM 12; Type: SAM V4.0; Serial: TP 1202
- Measurement SW: DASY4, V4.6 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 159

Touch position - High Channel 810/Area Scan (5x13x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 0.791 mW/g

Touch position - High Channel 810/Zoom Scan (7x7x7) (7x7x7)/Cube 0: Measurement grid:

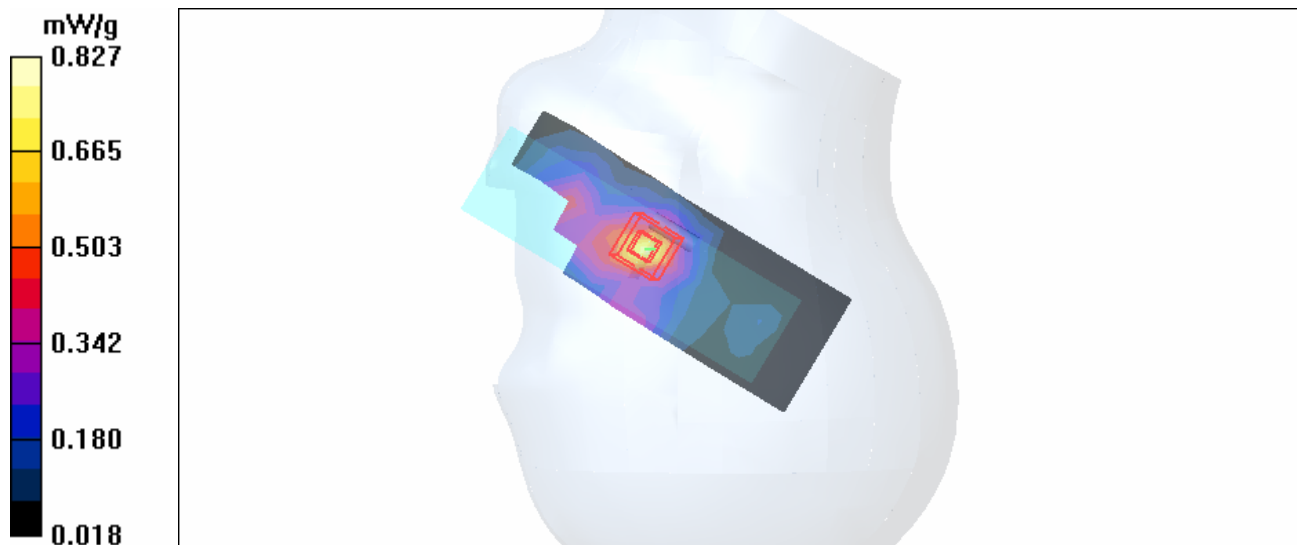
dx=5mm, dy=5mm, dz=5mm

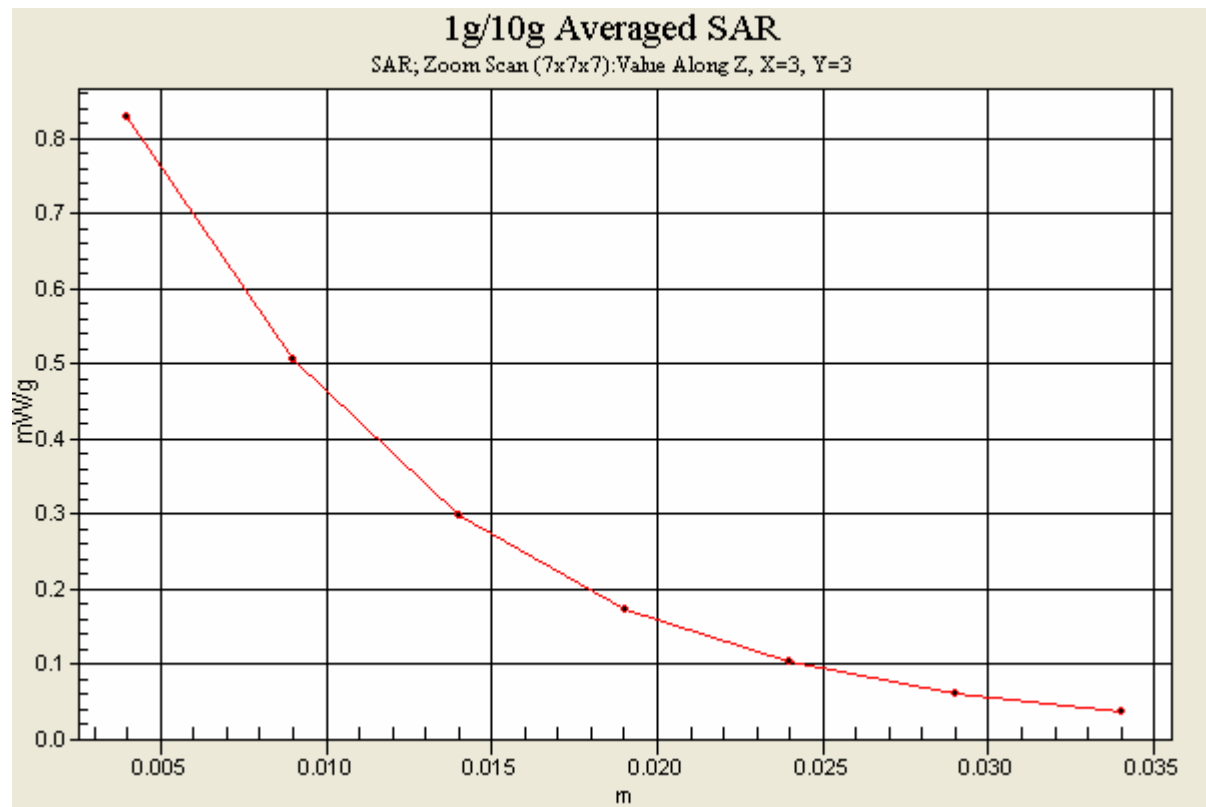
Reference Value = 10.2 V/m

Peak SAR (extrapolated) = 1.23 W/kg

SAR(1 g) = 0.728 mW/g; SAR(10 g) = 0.379 mW/g

Maximum value of SAR (measured) = 0.827 mW/g





Date/Time: 2005/10/27 12:39:34

Test Laboratory: Advance Data Technology

Right Head-Tilt-PCS1900-Ch512-Mode 8

DUT: GSM Tri-Band Digital Mobile Phone ; Type: A211a ; Test Frequency: 1850.2 MHz

Communication System: PCS 1900 ; Frequency: 1850.2 MHz; Duty Cycle: 1:8.3

Medium: HSL1900 Medium parameters used: $f = 1850.2$ MHz; $\sigma = 1.39$ mho/m; $\epsilon_r = 39.9$; $\rho = 1000$ kg/m³ ; Liquid level: 155 mm

Phantom section: Right Section ; DUT test position : Tilt ; Modulation type: GMSK

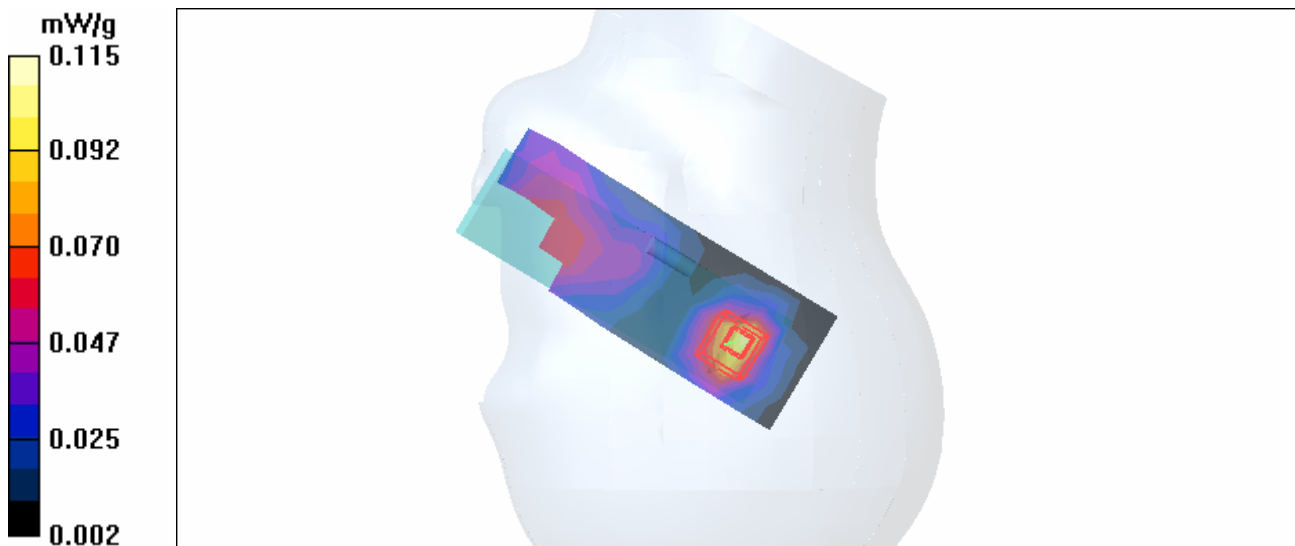
Antenna type : External Antenna ; Air temp. : 22.4 degrees ; Liquid temp. : 21.2 degrees

DASY4 Configuration:

- Probe: ET3DV6 - SN1687 ; ConvF(4.96, 4.96, 4.96) ; Calibrated: 2005/9/15
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn510; Calibrated: 2005/8/17
- Phantom: SAM 12; Type: SAM V4.0; Serial: TP 1202
- Measurement SW: DASY4, V4.6 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 159

Tilt position - Low Channel 512/Area Scan (5x13x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 0.106 mW/g

Tilt position - Low Channel 512/Zoom Scan (7x7x7) (7x7x7)/Cube 0: Measurement grid:
dx=5mm, dy=5mm, dz=5mm
Reference Value = 9.56 V/m
Peak SAR (extrapolated) = 0.156 W/kg
SAR(1 g) = 0.104 mW/g; SAR(10 g) = 0.061 mW/g
Maximum value of SAR (measured) = 0.115 mW/g



Date/Time: 2005/10/27 12:58:28

Test Laboratory: Advance Data Technology

Right Head-Tilt-PCS1900-Ch661-Mode 8

DUT: GSM Tri-Band Digital Mobile Phone ; Type: A211a ; Test Frequency: 1880 MHz

Communication System: PCS 1900 ; Frequency: 1880 MHz; Duty Cycle: 1:8.3

Medium: HSL1900 Medium parameters used: $f = 1880$ MHz; $\sigma = 1.42$ mho/m; $\epsilon_r = 39.8$; $\rho = 1000$ kg/m³ ;

Liquid level: 155 mm

Phantom section: Right Section ; DUT test position : Tilt ; Modulation type: GMSK

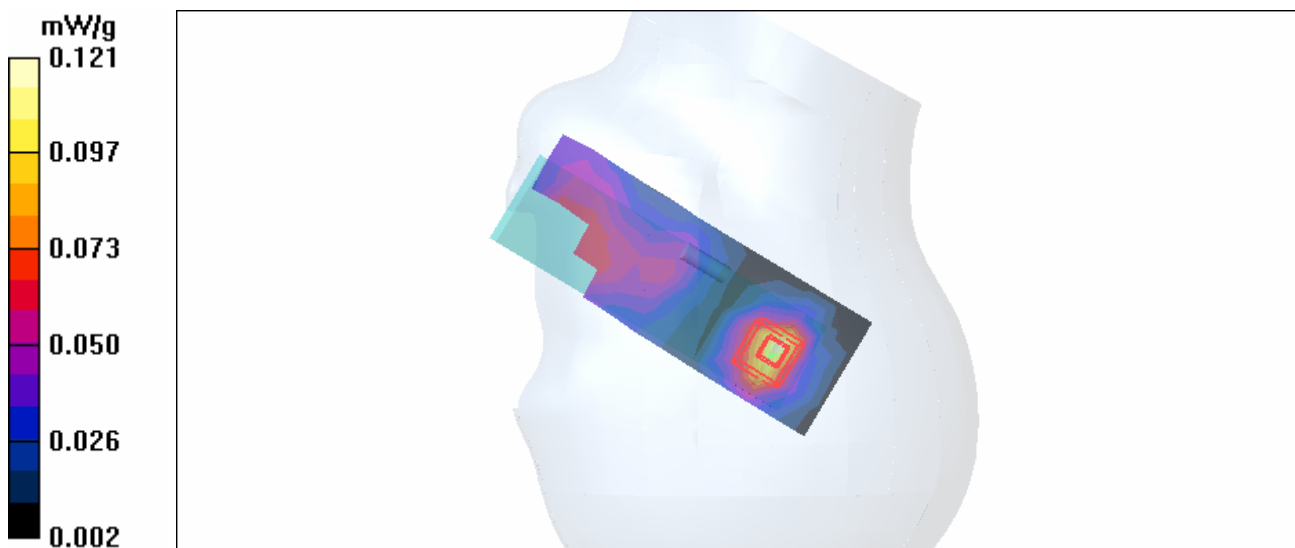
Antenna type : External Antenna ; Air temp. : 22.4 degrees ; Liquid temp. : 21.2 degrees

DASY4 Configuration:

- Probe: ET3DV6 - SN1687 ; ConvF(4.96, 4.96, 4.96) ; Calibrated: 2005/9/15
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn510; Calibrated: 2005/8/17
- Phantom: SAM 12; Type: SAM V4.0; Serial: TP 1202
- Measurement SW: DASY4, V4.6 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 159

Tilt position - Mid Channel 661/Area Scan (5x13x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 0.120 mW/g

Tilt position - Mid Channel 661/Zoom Scan (7x7x7) (7x7x7)/Cube 0: Measurement grid:
dx=5mm, dy=5mm, dz=5mm
Reference Value = 9.98 V/m
Peak SAR (extrapolated) = 0.165 W/kg
SAR(1 g) = 0.109 mW/g; SAR(10 g) = 0.063 mW/g
Maximum value of SAR (measured) = 0.121 mW/g



Date/Time: 2005/10/27 13:19:44

Test Laboratory: Advance Data Technology

Right Head-Tilt-PCS1900-Ch810-Mode 8

DUT: GSM Tri-Band Digital Mobile Phone ; Type: A211a ; Test Frequency: 1909.8 MHz

Communication System: PCS 1900 ; Frequency: 1909.8 MHz; Duty Cycle: 1:8.3

Medium: HSL1900 Medium parameters used: $f = 1909.8 \text{ MHz}$; $\sigma = 1.45 \text{ mho/m}$; $\epsilon_r = 39.6$; $\rho = 1000 \text{ kg/m}^3$; Liquid level: 155 mm

Phantom section: Right Section ; DUT test position : Tilt ; Modulation type: GMSK

Antenna type : External Antenna ; Air temp. : 22.4 degrees ; Liquid temp. : 21.2 degrees

DASY4 Configuration:

- Probe: ET3DV6 - SN1687 ; ConvF(4.96, 4.96, 4.96) ; Calibrated: 2005/9/15
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn510; Calibrated: 2005/8/17
- Phantom: SAM 12; Type: SAM V4.0; Serial: TP 1202
- Measurement SW: DASY4, V4.6 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 159

Tilt position - High Channel 810/Area Scan (5x13x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$
Maximum value of SAR (measured) = 0.104 mW/g

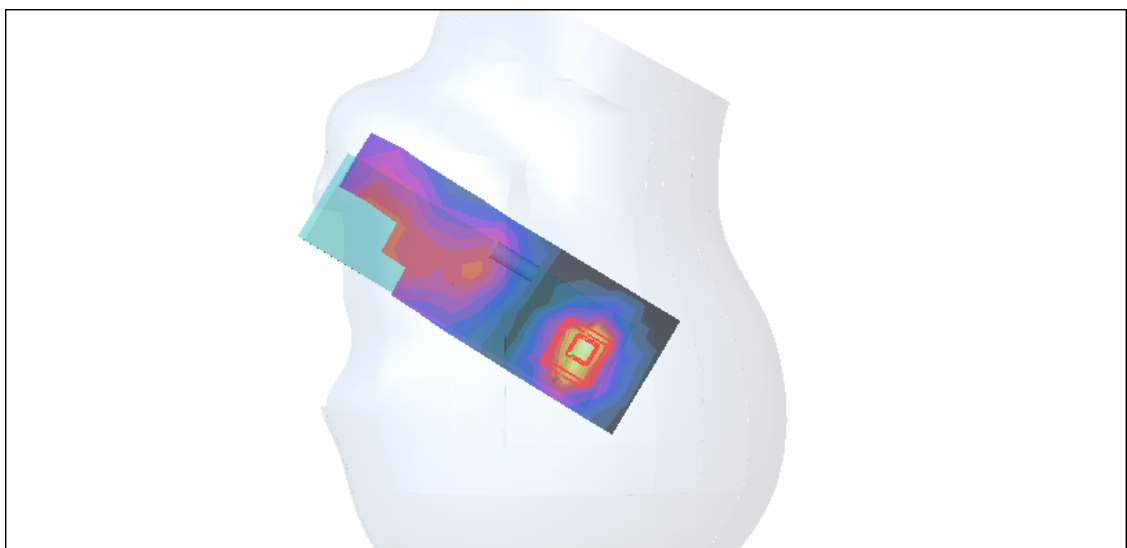
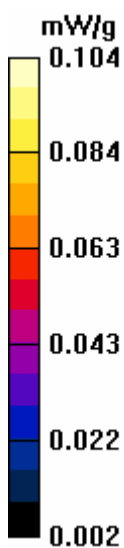
Tilt position - High Channel 810/Zoom Scan (7x7x7) (7x7x7)/Cube 0: Measurement grid:

$dx=5\text{mm}$, $dy=5\text{mm}$, $dz=5\text{mm}$

Reference Value = 9.14 V/m

Peak SAR (extrapolated) = 0.143 W/kg

SAR(1 g) = **0.095 mW/g**; SAR(10 g) = 0.054 mW/g



Date/Time: 2005/10/27 13:54:41

Test Laboratory: Advance Data Technology

Left Head-Cheek-PCS1900-Ch512-Mode 9

DUT: GSM Tri-Band Digital Mobile Phone ; Type: A211a ; Test Frequency: 1850.2 MHz

Communication System: PCS 1900 ; Frequency: 1850.2 MHz ; Duty Cycle: 1:8.3

Phantom: SAM 12 Medium parameters used: $f = 1850.2$ MHz; $\sigma = 1.39$ mho/m; $\epsilon_r = 39.9$; $\rho = 1000$ kg/m³ ; Liquid level: 155mm

Phantom section: Left Section ; DUT test position : Cheek ; Modulation type: GMSK

Antenna type : External Antenna ; Air temp. : 22.4 degrees ; Liquid temp. : 21.2 degrees

DASY4 Configuration:

- Probe: ET3DV6 - SN1687; ConvF(4.96, 4.96, 4.96) ; Calibrated: 2005/9/15
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn510; Calibrated: 2005/8/17
- Phantom: SAM 12; Type: SAM V4.0; Serial: TP 1202
- Measurement SW: DASY4, V4.6 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 159

Touch position - Low Channel 512/Area Scan (5x13x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 0.493 mW/g

Touch position - Low Channel 512/Zoom Scan (7x7x7) (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 8.03 V/m

Peak SAR (extrapolated) = 0.633 W/kg

SAR(1 g) = 0.449 mW/g; SAR(10 g) = 0.292 mW/g

Maximum value of SAR (measured) = 0.483 mW/g

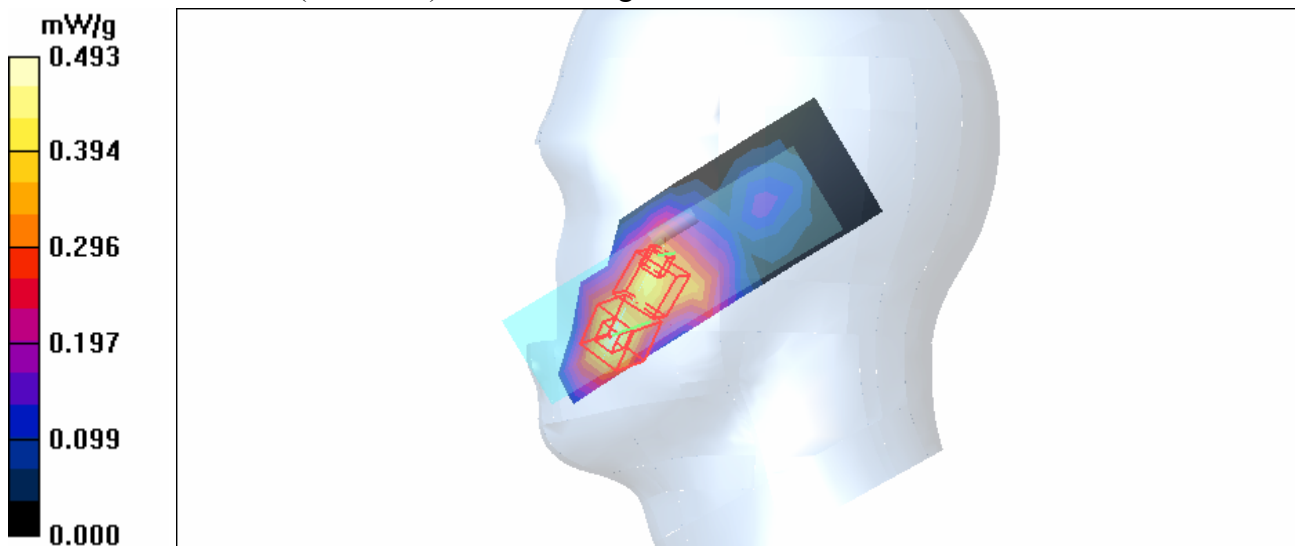
Touch position - Low Channel 512/Zoom Scan (7x7x7) (7x7x7)/Cube 1: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 8.03 V/m

Peak SAR (extrapolated) = 0.634 W/kg

SAR(1 g) = 0.386 mW/g; SAR(10 g) = 0.224 mW/g

Maximum value of SAR (measured) = 0.439 mW/g



Date/Time: 2005/10/27 14:26:28

Test Laboratory: Advance Data Technology

Left Head-Cheek-PCS1900-Ch661-Mode 9

DUT: GSM Tri-Band Digital Mobile Phone ; Type: A211a ; Test Frequency: 1880 MHz

Communication System: PCS 1900 ; Frequency: 1880 MHz ; Duty Cycle: 1:8.3

Phantom: SAM 12 Medium parameters used: $f = 1880 \text{ MHz}$; $\sigma = 1.42 \text{ mho/m}$; $\epsilon_r = 39.8$; $\rho = 1000 \text{ kg/m}^3$;

Liquid level: 155mm

Phantom section: Left Section ; DUT test position : Cheek ; Modulation type: GMSK

Antenna type : External Antenna ; Air temp. : 22.4 degrees ; Liquid temp. : 21.2 degrees

DASY4 Configuration:

- Probe: ET3DV6 - SN1687; ConvF(4.96, 4.96, 4.96) ; Calibrated: 2005/9/15

- Sensor-Surface: 4mm (Mechanical Surface Detection)

- Electronics: DAE3 Sn510; Calibrated: 2005/8/17

- Phantom: SAM 12; Type: SAM V4.0; Serial: TP 1202

- Measurement SW: DASY4, V4.6 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 159

Touch position - Mid Channel 661/Area Scan (5x13x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

Maximum value of SAR (measured) = 0.473 mW/g

Touch position - Mid Channel 661/Zoom Scan (7x7x7) (7x7x7)/Cube 0: Measurement grid:

$dx=5\text{mm}$, $dy=5\text{mm}$, $dz=5\text{mm}$

Reference Value = 8.23 V/m

Peak SAR (extrapolated) = 0.712 W/kg

SAR(1 g) = 0.426 mW/g; SAR(10 g) = 0.239 mW/g

Maximum value of SAR (measured) = 0.484 mW/g

Touch position - Mid Channel 661/Zoom Scan (7x7x7) (7x7x7)/Cube 1: Measurement grid:

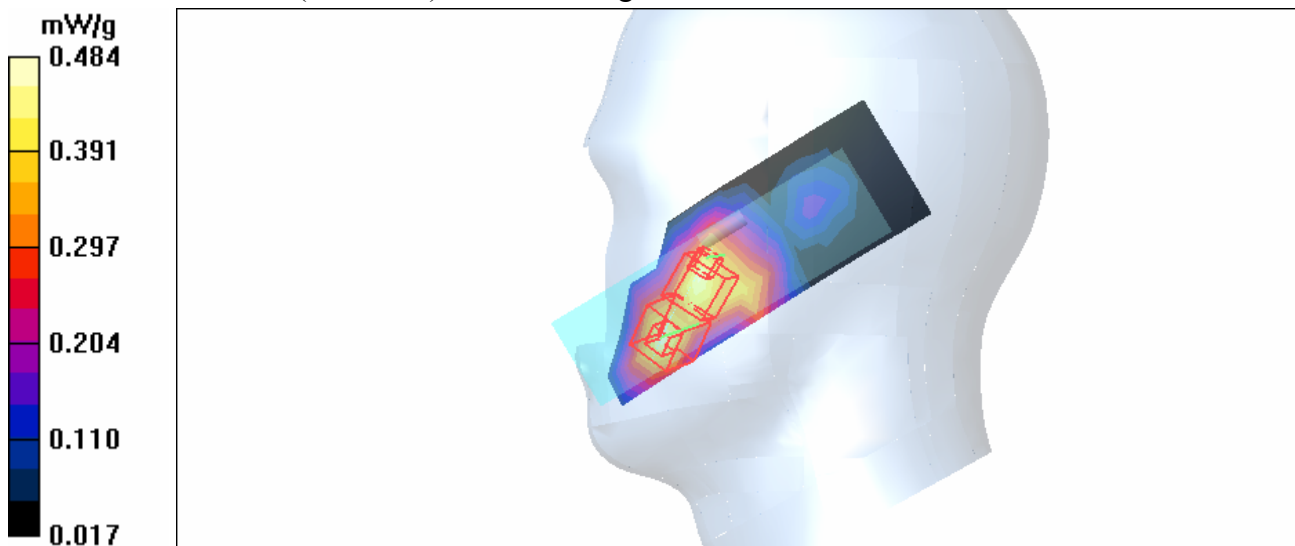
$dx=5\text{mm}$, $dy=5\text{mm}$, $dz=5\text{mm}$

Reference Value = 8.23 V/m

Peak SAR (extrapolated) = 0.610 W/kg

SAR(1 g) = 0.432 mW/g; SAR(10 g) = 0.280 mW/g

Maximum value of SAR (measured) = 0.470 mW/g



Date/Time: 2005/10/27 14:57:16

Test Laboratory: Advance Data Technology

Left Head-Cheek-PCS1900-Ch810-Mode 9

DUT: GSM Tri-Band Digital Mobile Phone ; Type: A211a ; Test Frequency: 1909.8 MHz

Communication System: PCS 1900 ; Frequency: 1909.8 MHz ; Duty Cycle: 1:8.3

Phantom: SAM 12 Medium parameters used: $f = 1909.8 \text{ MHz}$; $\sigma = 1.45 \text{ mho/m}$; $\epsilon_r = 39.6$; $\rho = 1000 \text{ kg/m}^3$; Liquid level: 155mm

Phantom section: Left Section ; DUT test position : Cheek ; Modulation type: GMSK

Antenna type : External Antenna ; Air temp. : 22.4 degrees ; Liquid temp. : 21.2 degrees

DASY4 Configuration:

- Probe: ET3DV6 - SN1687; ConvF(4.96, 4.96, 4.96) ; Calibrated: 2005/9/15
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn510; Calibrated: 2005/8/17
- Phantom: SAM 12; Type: SAM V4.0; Serial: TP 1202
- Measurement SW: DASY4, V4.6 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 159

Touch position - High Channel 810/Area Scan (5x13x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

Maximum value of SAR (measured) = 0.516 mW/g

Touch position - High Channel 810/Zoom Scan (7x7x7) (7x7x7)/Cube 0: Measurement grid:

$dx=5\text{mm}$, $dy=5\text{mm}$, $dz=5\text{mm}$

Reference Value = 8.17 V/m

Peak SAR (extrapolated) = 0.839 W/kg

SAR(1 g) = 0.473 mW/g; SAR(10 g) = 0.260 mW/g

Maximum value of SAR (measured) = 0.528 mW/g

Touch position - High Channel 810/Zoom Scan (7x7x7) (7x7x7)/Cube 1: Measurement grid:

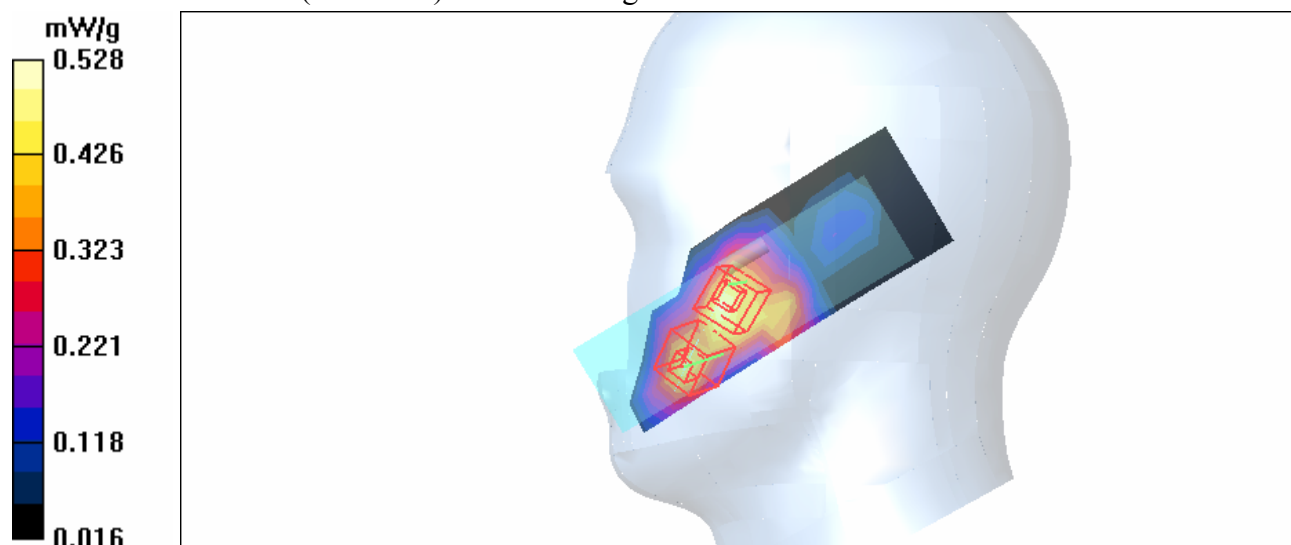
$dx=5\text{mm}$, $dy=5\text{mm}$, $dz=5\text{mm}$

Reference Value = 8.17 V/m

Peak SAR (extrapolated) = 0.609 W/kg

SAR(1 g) = 0.428 mW/g; SAR(10 g) = 0.273 mW/g

Maximum value of SAR (measured) = 0.472 mW/g



Date/Time: 2005/10/27 15:31:07

Test Laboratory: Advance Data Technology

Left Head-Tilt-PCS1900-Ch512-Mode 10

DUT: GSM Tri-Band Digital Mobile Phone ; Type: A211a ; Test Frequency: 1850.2 MHz

Communication System: PCS 1900 ; Frequency: 1850.2 MHz; Duty Cycle: 1:8.3

Medium: HSL1900 Medium parameters used: $f = 1850.2$ MHz; $\sigma = 1.39$ mho/m; $\epsilon_r = 39.9$; $\rho = 1000$ kg/m³ ; Liquid level: 155 mm

Phantom section: Left Section ; DUT test position : Tilt ; Modulation type: GMSK

Antenna type : External Antenna ; Air temp. : 22.4 degrees ; Liquid temp. : 21.2 degrees

DASY4 Configuration:

- Probe: ET3DV6 - SN1687 ; ConvF(4.96, 4.96, 4.96) ; Calibrated: 2005/9/15
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn510; Calibrated: 2005/8/17
- Phantom: SAM 12; Type: SAM V4.0; Serial: TP 1202
- Measurement SW: DASY4, V4.6 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 159

Tilt position - Low Channel 512/Area Scan (5x13x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 0.102 mW/g

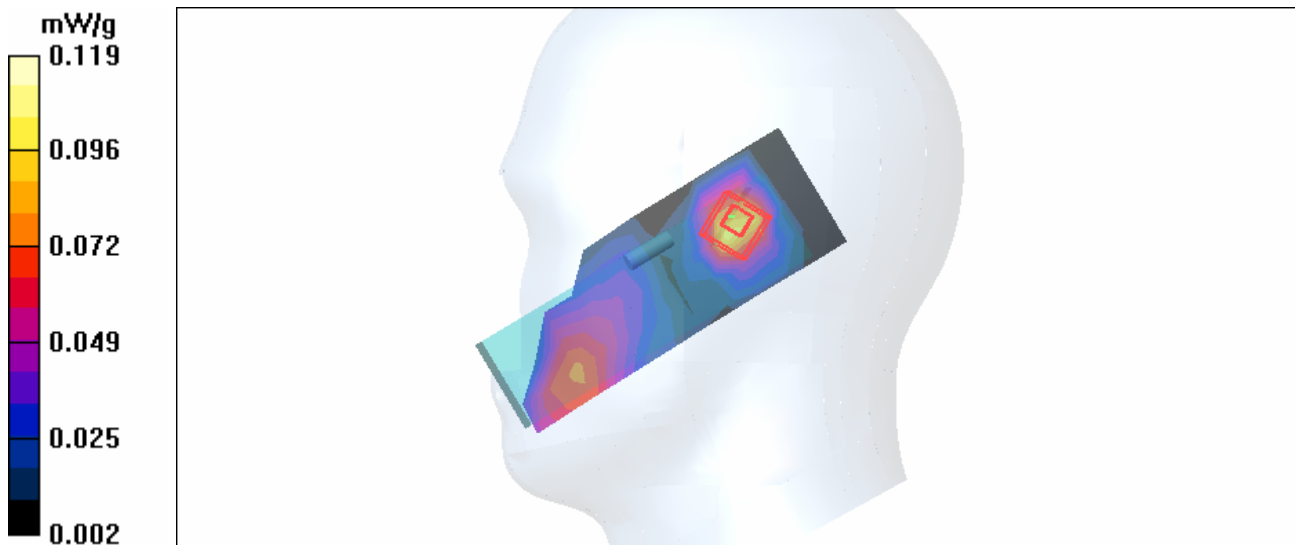
Tilt position - Low Channel 512/Zoom Scan (7x7x7) (7x7x7)/Cube 0: Measurement grid:
dx=5mm, dy=5mm, dz=5mm

Reference Value = 7.71 V/m

Peak SAR (extrapolated) = 0.174 W/kg

SAR(1 g) = 0.109 mW/g; SAR(10 g) = 0.061 mW/g

Maximum value of SAR (measured) = 0.119 mW/g



Date/Time: 2005/10/27 15:50:10

Test Laboratory: Advance Data Technology

Left Head-Tilt-PCS1900-Ch661-Mode 10

DUT: GSM Tri-Band Digital Mobile Phone ; Type: A211a ; Test Frequency: 1880 MHz

Communication System: PCS 1900 ; Frequency: 1880 MHz; Duty Cycle: 1:8.3

Medium: HSL1900 Medium parameters used: $f = 1880$ MHz; $\sigma = 1.42$ mho/m; $\epsilon_r = 39.8$; $\rho = 1000$ kg/m³ ;

Liquid level: 155 mm

Phantom section: Left Section ; DUT test position : Tilt ; Modulation type: GMSK

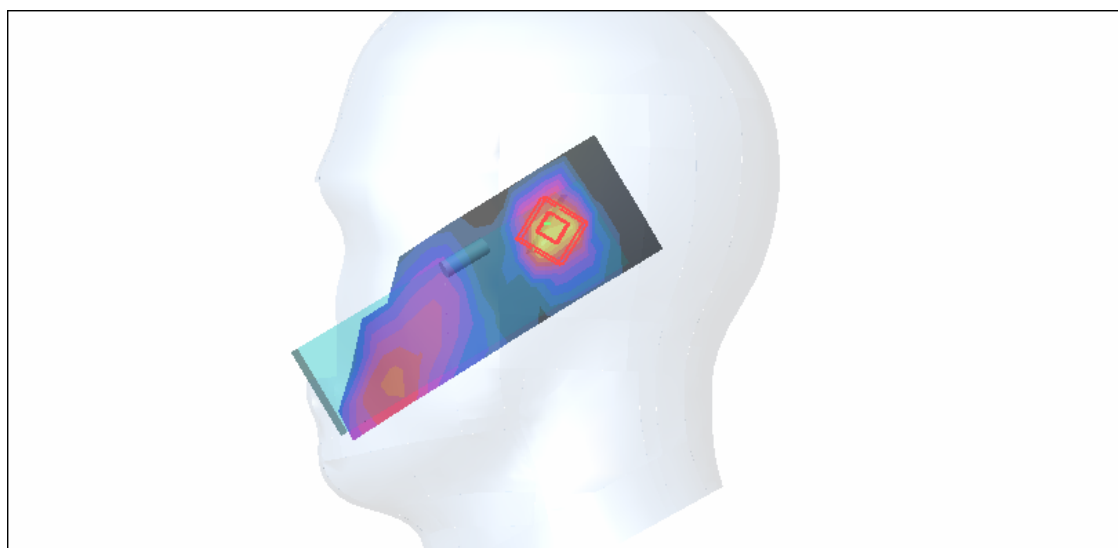
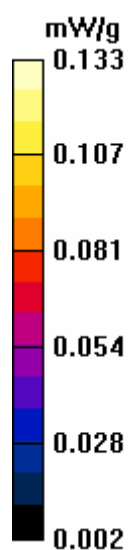
Antenna type : External Antenna ; Air temp. : 22.4 degrees ; Liquid temp. : 21.2 degrees

DASY4 Configuration:

- Probe: ET3DV6 - SN1687 ; ConvF(4.96, 4.96, 4.96) ; Calibrated: 2005/9/15
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn510; Calibrated: 2005/8/17
- Phantom: SAM 12; Type: SAM V4.0; Serial: TP 1202
- Measurement SW: DASY4, V4.6 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 159

Tilt position - Mid Channel 661/Area Scan (5x13x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 0.110 mW/g

Tilt position - Mid Channel 661/Zoom Scan (7x7x7) (7x7x7)/Cube 0: Measurement grid:
dx=5mm, dy=5mm, dz=5mm
Reference Value = 7.98 V/m
Peak SAR (extrapolated) = 0.196 W/kg
SAR(1 g) = 0.121 mW/g; SAR(10 g) = 0.067 mW/g
Maximum value of SAR (measured) = 0.133 mW/g



Date/Time: 2005/10/27 16:10:09

Test Laboratory: Advance Data Technology

Left Head-Tilt-PCS1900-Ch810-Mode 10

DUT: GSM Tri-Band Digital Mobile Phone ; Type: A211a ; Test Frequency: 1909.8 MHz

Communication System: PCS 1900 ; Frequency: 1909.8 MHz; Duty Cycle: 1:8.3

Medium: HSL1900 Medium parameters used: $f = 1909.8 \text{ MHz}$; $\sigma = 1.45 \text{ mho/m}$; $\epsilon_r = 39.6$; $\rho = 1000 \text{ kg/m}^3$; Liquid level: 155 mm

Phantom section: Left Section ; DUT test position : Tilt ; Modulation type: GMSK

Antenna type : External Antenna ; Air temp. : 22.4 degrees ; Liquid temp. : 21.2 degrees

DASY4 Configuration:

- Probe: ET3DV6 - SN1687 ; ConvF(4.96, 4.96, 4.96) ; Calibrated: 2005/9/15
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn510; Calibrated: 2005/8/17
- Phantom: SAM 12; Type: SAM V4.0; Serial: TP 1202
- Measurement SW: DASY4, V4.6 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 159

Tilt position - High Channel 810/Area Scan (5x13x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$
Maximum value of SAR (measured) = 0.116 mW/g

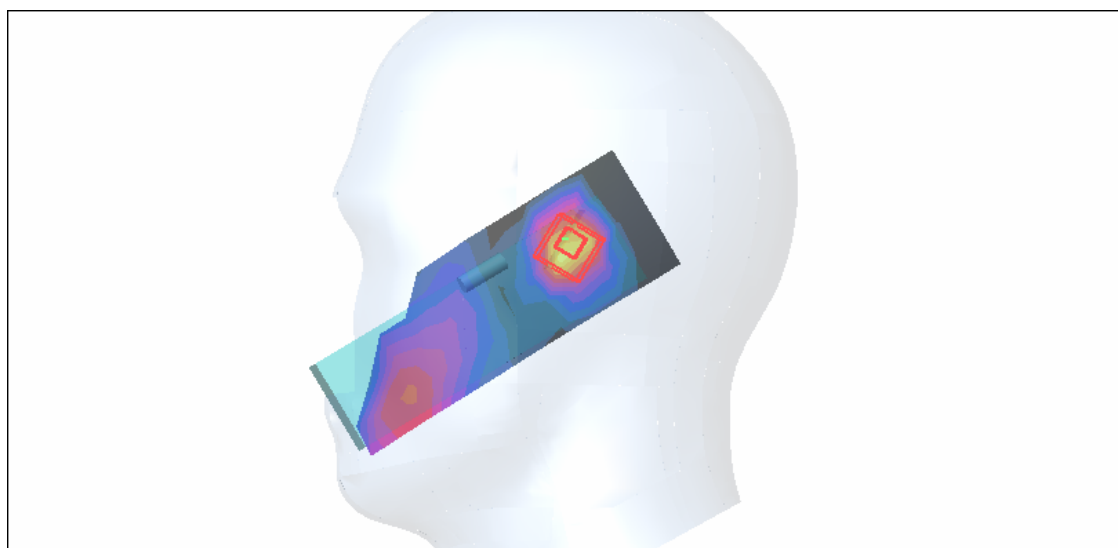
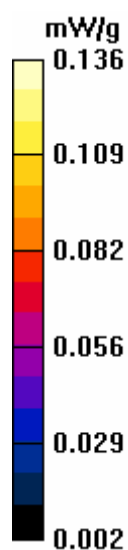
Tilt position - High Channel 810/Zoom Scan (7x7x7) (7x7x7)/Cube 0: Measurement grid:
 $dx=5\text{mm}$, $dy=5\text{mm}$, $dz=5\text{mm}$

Reference Value = 7.81 V/m

Peak SAR (extrapolated) = 0.195 W/kg

SAR(1 g) = 0.123 mW/g; SAR(10 g) = 0.070 mW/g

Maximum value of SAR (measured) = 0.136 mW/g



Date/Time: 2005/10/27 17:30:42

Test Laboratory: Advance Data Technology

BodyWorn-GPRS1900-Ch512-bottom-Mode 11

DUT: GSM Tri-band Digital Mobile Phone ; Type: A211a ; Test Frequency: 1850.2 MHz

Communication System: PCS 1900 ; Frequency: 1850.2 MHz ; Duty Cycle: 1:4

Medium: MSL1900 Medium parameters used: $f = 1850.2 \text{ MHz}$; $\sigma = 1.5 \text{ mho/m}$; $\epsilon_r = 52.7$; $\rho = 1000 \text{ kg/m}^3$; Liquid Level : 150m

Phantom section: Flat Section ; DUT test position : Body ; Modulation Type: GMSK / UL 2 time slots
Separation Distance : 15 mm (The bottom side of the EUT to the Phantom)

Antenna Type : External Antenna ; Air Temp. : 22.7degrees ; Liquid Temp. : 21.6degrees

DASY4 Configuration:

- Probe: ET3DV6 - SN1687 ; ConvF(4.39, 4.39, 4.39) ; Calibrated: 2005/9/15
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn510 ; Calibrated: 2005/8/17
- Phantom: SAM 12 ; Type: SAM V4.0; Serial: TP 1202
- Measurement SW: DASY4, V4.6 Build 19 ; Postprocessing SW: SEMCAD, V1.8 Build 159

Low Channel 512/Area Scan (5x9x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

Maximum value of SAR (measured) = 0.950 mW/g

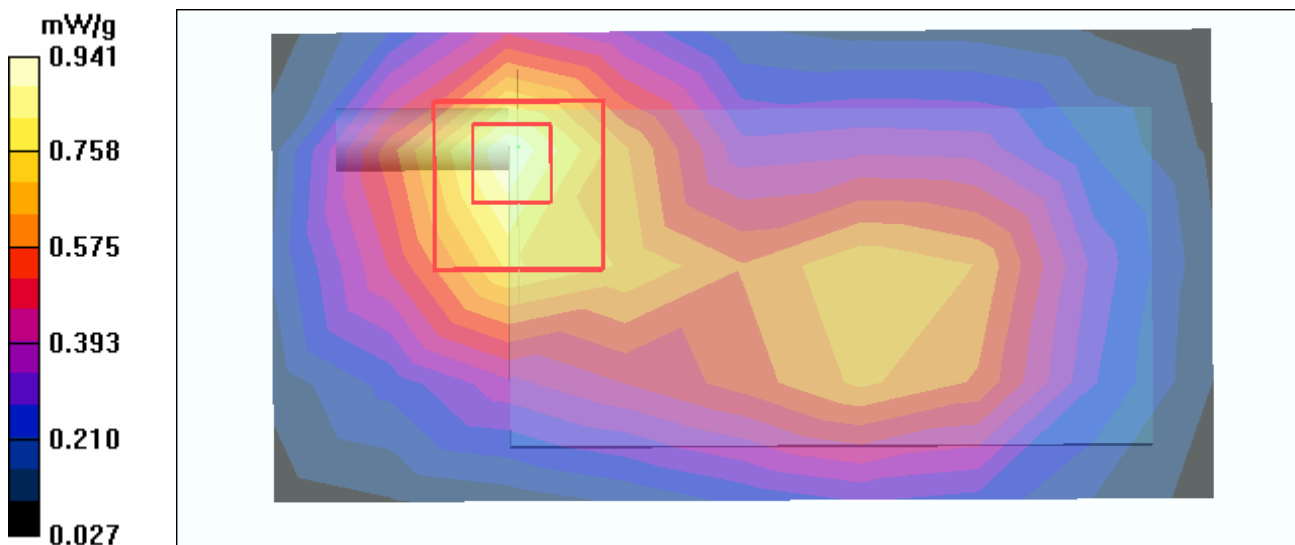
Low Channel 512/Zoom Scan (7x7x7) (7x7x7)/Cube 0: Measurement grid: $dx=5\text{mm}$, $dy=5\text{mm}$, $dz=5\text{mm}$

Reference Value = 26.5 V/m

Peak SAR (extrapolated) = 1.37 W/kg

SAR(1 g) = 0.861 mW/g; SAR(10 g) = 0.514 mW/g

Maximum value of SAR (measured) = 0.941 mW/g



Date/Time: 2005/10/27 17:47:34

Test Laboratory: Advance Data Technology

BodyWorn-GPRS1900-Ch661-bottom-Mode 11

DUT: GSM Tri-band Digital Mobile Phone ; Type: A211a ; Test Frequency: 1880 MHz

Communication System: PCS 1900 ; Frequency: 1880 MHz ; Duty Cycle: 1:4

Medium: MSL1900 Medium parameters used: $f = 1880$ MHz; $\sigma = 1.54$ mho/m; $\epsilon_r = 52.6$; $\rho = 1000$ kg/m³ ; Liquid Level : 150m

Phantom section: Flat Section ; DUT test position : Body ; Modulation Type: GMSK / UL 2 time slots
Separation Distance : 15 mm (The bottom side of the EUT to the Phantom)

Antenna Type : External Antenna ; Air Temp. : 22.7degrees ; Liquid Temp. : 21.6degrees

DASY4 Configuration:

- Probe: ET3DV6 - SN1687 ; ConvF(4.39, 4.39, 4.39) ; Calibrated: 2005/9/15
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn510 ; Calibrated: 2005/8/17
- Phantom: SAM 12 ; Type: SAM V4.0; Serial: TP 1202
- Measurement SW: DASY4, V4.6 Build 19 ; Postprocessing SW: SEMCAD, V1.8 Build 159

Mid Channel 661/Area Scan (5x9x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 1.10 mW/g

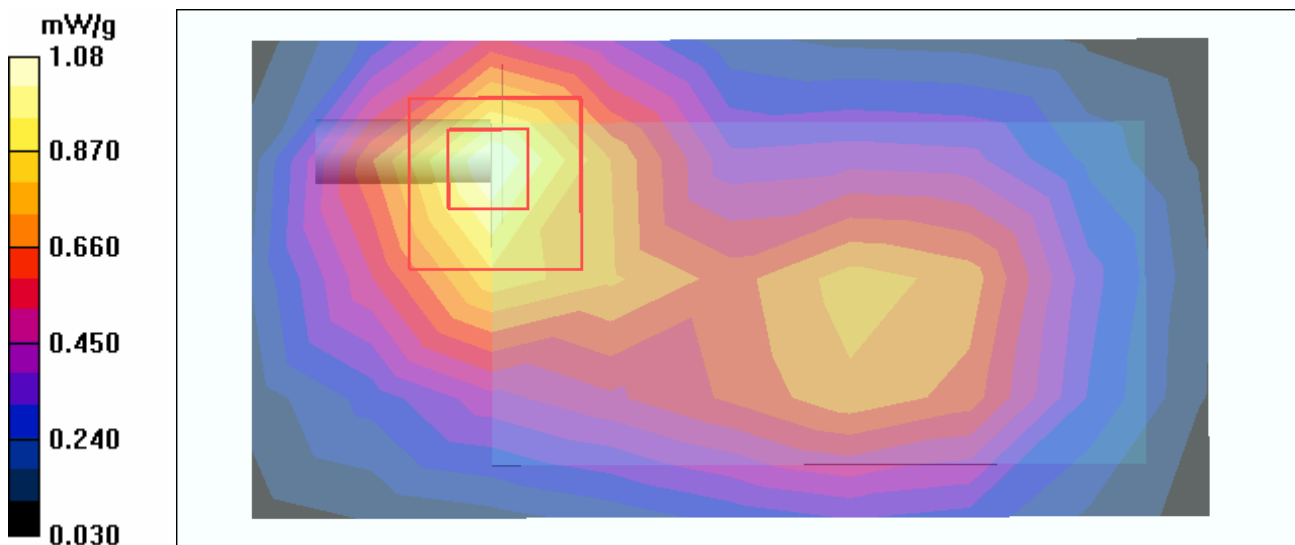
Mid Channel 661/Zoom Scan (7x7x7) (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

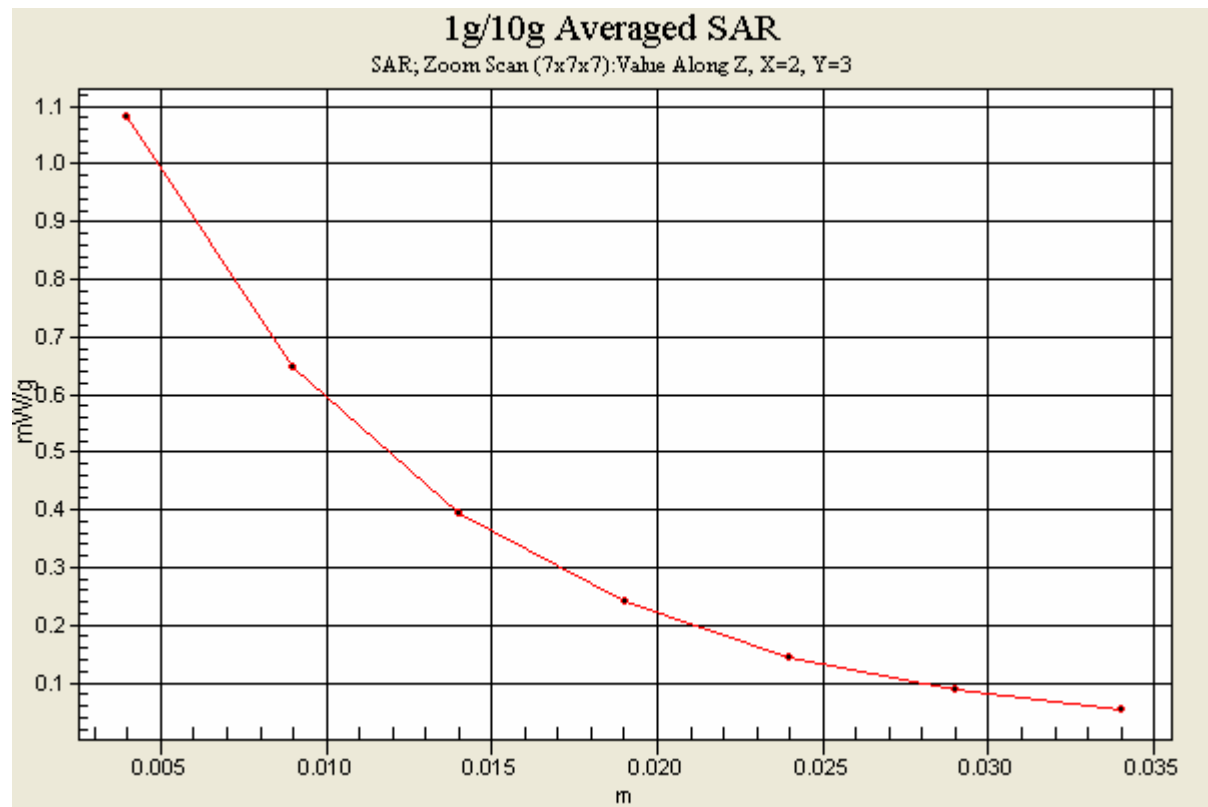
Reference Value = 28.5 V/m

Peak SAR (extrapolated) = 1.60 W/kg

SAR(1 g) = 0.996 mW/g; SAR(10 g) = 0.585 mW/g

Maximum value of SAR (measured) = 1.08 mW/g





Date/Time: 2005/10/27 18:17:14

Test Laboratory: Advance Data Technology

BodyWorn-GPRS1900-Ch810-bottom-Mode 11

DUT: GSM Tri-band Digital Mobile Phone ; Type: A211a ; Test Frequency: 1909.8 MHz

Communication System: PCS 1900 ; Frequency: 1909.8 MHz ; Duty Cycle: 1:4

Medium: MSL1900 Medium parameters used: $f = 1909.8 \text{ MHz}$; $\sigma = 1.58 \text{ mho/m}$; $\epsilon_r = 52.5$; $\rho = 1000 \text{ kg/m}^3$; Liquid Level : 150m

Phantom section: Flat Section ; DUT test position : Body ; Modulation Type: GMSK / UL 2 time slots
Separation Distance : 15 mm (The bottom side of the EUT to the Phantom)

Antenna Type : External Antenna ; Air Temp. : 22.7degrees ; Liquid Temp. : 21.6degrees

DASY4 Configuration:

- Probe: ET3DV6 - SN1687 ; ConvF(4.39, 4.39, 4.39) ; Calibrated: 2005/9/15
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn510 ; Calibrated: 2005/8/17
- Phantom: SAM 12 ; Type: SAM V4.0; Serial: TP 1202
- Measurement SW: DASY4, V4.6 Build 19 ; Postprocessing SW: SEMCAD, V1.8 Build 159

High Channel 810/Area Scan (5x9x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

Maximum value of SAR (measured) = 1.10 mW/g

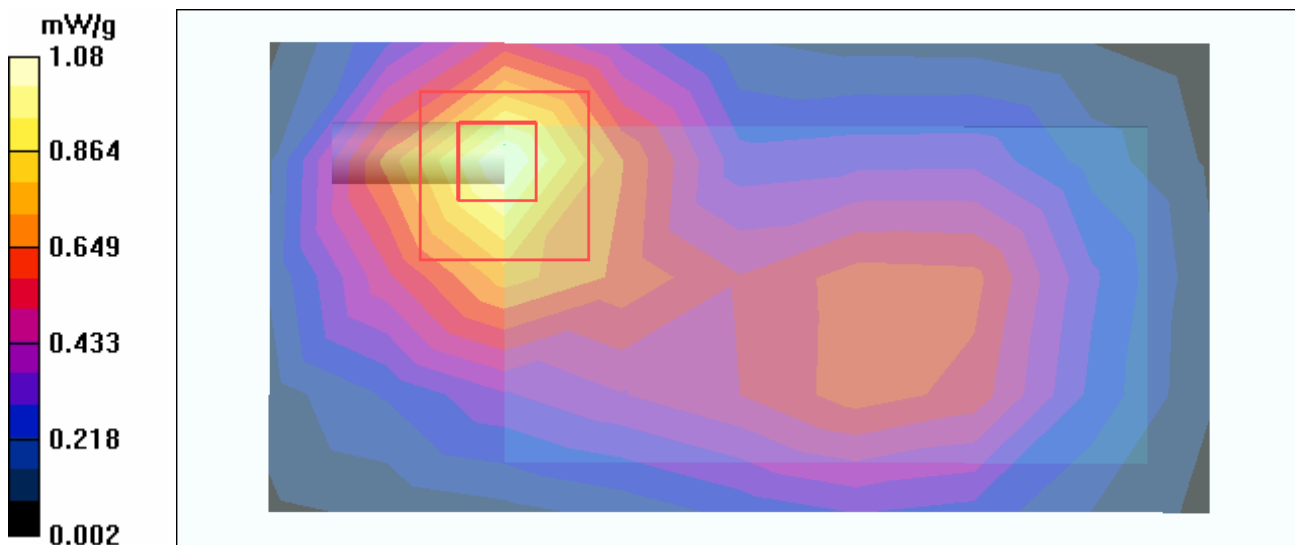
High Channel 810/Zoom Scan (7x7x7) (7x7x7)/Cube 0: Measurement grid: $dx=5\text{mm}$, $dy=5\text{mm}$, $dz=5\text{mm}$

Reference Value = 28.0 V/m

Peak SAR (extrapolated) = 1.63 W/kg

SAR(1 g) = 0.988 mW/g; SAR(10 g) = 0.566 mW/g

Maximum value of SAR (measured) = 1.08 mW/g



Date/Time: 2005/10/27 18:41:51

Test Laboratory: Advance Data Technology

BodyWorn-GPRS1900-Ch512-front-Mode 12

DUT: GSM Tri-band Digital Mobile Phone ; Type: A211a ; Test Frequency: 1850.2 MHz

Communication System: PCS 1900 ; Frequency: 1850.2 MHz ; Duty Cycle: 1:4

Medium: MSL1900 Medium parameters used: $f = 1850.2 \text{ MHz}$; $\sigma = 1.5 \text{ mho/m}$; $\epsilon_r = 52.7$; $\rho = 1000 \text{ kg/m}^3$; Liquid Level : 150m

Phantom section: Flat Section ; DUT test position : Body ; Modulation Type: GMSK / UL 2 time slots

Separation Distance : 15 mm (The front side of the EUT to the Phantom)

Antenna Type : External Antenna ; Air Temp. : 22.7degrees ; Liquid Temp. : 21.6degrees

DASY4 Configuration:

- Probe: ET3DV6 - SN1687 ; ConvF(4.39, 4.39, 4.39) ; Calibrated: 2005/9/15
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn510 ; Calibrated: 2005/8/17
- Phantom: SAM 12 ; Type: SAM V4.0; Serial: TP 1202
- Measurement SW: DASY4, V4.6 Build 19 ; Postprocessing SW: SEMCAD, V1.8 Build 159

Low Channel 512/Area Scan (5x9x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

Maximum value of SAR (measured) = 0.481 mW/g

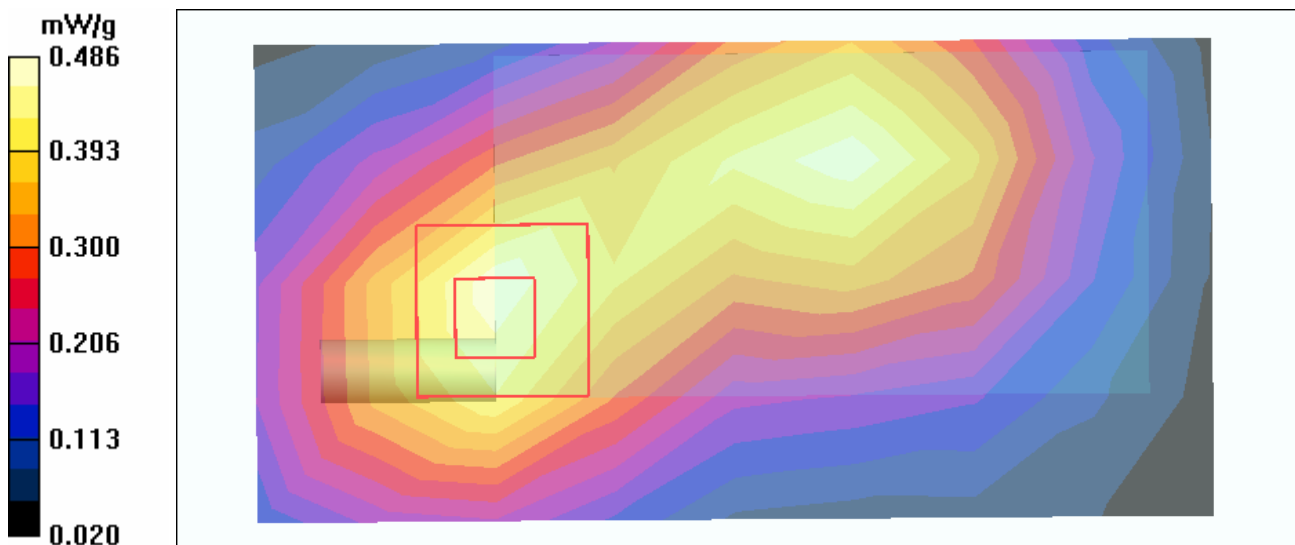
Low Channel 512/Zoom Scan (7x7x7) (7x7x7)/Cube 0: Measurement grid: $dx=5\text{mm}$, $dy=5\text{mm}$, $dz=5\text{mm}$

Reference Value = 19.2 V/m

Peak SAR (extrapolated) = 0.669 W/kg

SAR(1 g) = 0.448 mW/g; SAR(10 g) = 0.277 mW/g

Maximum value of SAR (measured) = 0.486 mW/g



Date/Time: 2005/10/27 18:58:51

Test Laboratory: Advance Data Technology

BodyWorn-GPRS1900-Ch661-front-Mode 12

DUT: GSM Tri-band Digital Mobile Phone ; Type: A211a ; Test Frequency: 1880 MHz

Communication System: PCS 1900 ; Frequency: 1880 MHz ; Duty Cycle: 1:4

Medium: MSL1900 Medium parameters used: $f = 1880$ MHz; $\sigma = 1.54$ mho/m; $\epsilon_r = 52.6$; $\rho = 1000$ kg/m³ ; Liquid Level : 150m

Phantom section: Flat Section ; DUT test position : Body ; Modulation Type: GMSK / UL 2 time slots
Separation Distance : 15 mm (The front side of the EUT to the Phantom)

Antenna Type : External Antenna ; Air Temp. : 22.7degrees ; Liquid Temp. : 21.6degrees

DASY4 Configuration:

- Probe: ET3DV6 - SN1687 ; ConvF(4.39, 4.39, 4.39) ; Calibrated: 2005/9/15
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn510 ; Calibrated: 2005/8/17
- Phantom: SAM 12 ; Type: SAM V4.0; Serial: TP 1202
- Measurement SW: DASY4, V4.6 Build 19 ; Postprocessing SW: SEMCAD, V1.8 Build 159

Mid Channel 661/Area Scan (5x9x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 0.562 mW/g

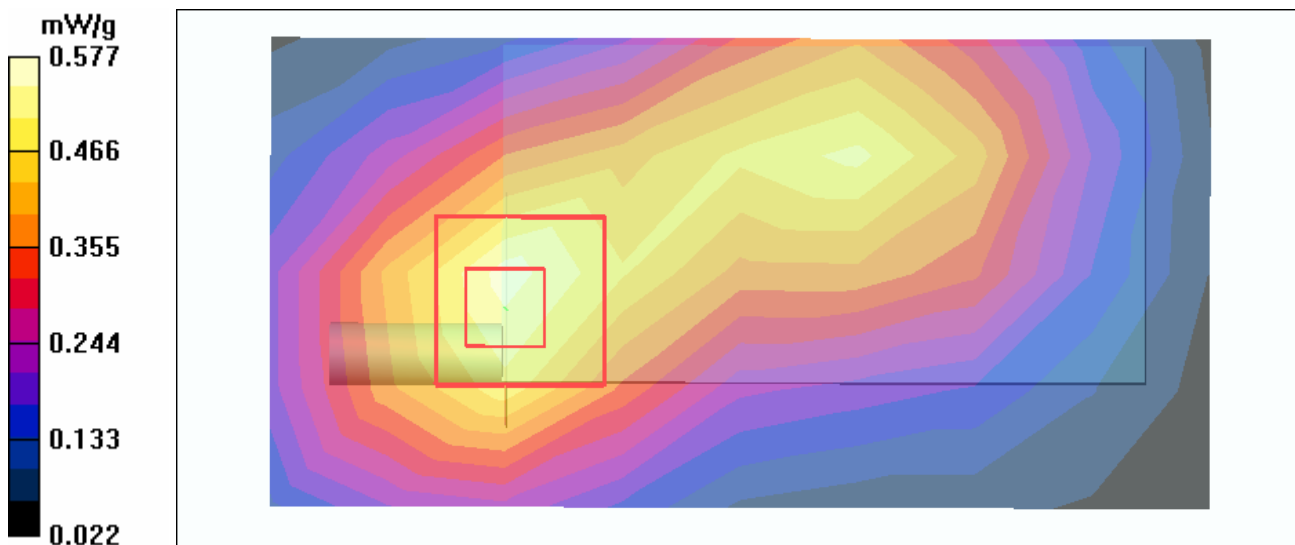
Mid Channel 661/Zoom Scan (7x7x7) (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 20.1 V/m

Peak SAR (extrapolated) = 0.802 W/kg

SAR(1 g) = 0.529 mW/g; SAR(10 g) = 0.325 mW/g

Maximum value of SAR (measured) = 0.577 mW/g



Date/Time: 2005/10/27 19:37:13

Test Laboratory: Advance Data Technology

BodyWorn-GPRS1900-Ch810-front-Mode 12

DUT: GSM Tri-band Digital Mobile Phone ; Type: A211a ; Test Frequency: 1909.8 MHz

Communication System: PCS 1900 ; Frequency: 1909.8 MHz ; Duty Cycle: 1:4

Medium: MSL1900 Medium parameters used: $f = 1909.8 \text{ MHz}$; $\sigma = 1.58 \text{ mho/m}$; $\epsilon_r = 52.5$; $\rho = 1000 \text{ kg/m}^3$; Liquid Level : 150m

Phantom section: Flat Section ; DUT test position : Body ; Modulation Type: GMSK / UL 2 time slots
Separation Distance : 15 mm (The front side of the EUT to the Phantom)

Antenna Type : External Antenna ; Air Temp. : 22.7degrees ; Liquid Temp. : 21.6degrees

DASY4 Configuration:

- Probe: ET3DV6 - SN1687 ; ConvF(4.39, 4.39, 4.39) ; Calibrated: 2005/9/15
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn510 ; Calibrated: 2005/8/17
- Phantom: SAM 12 ; Type: SAM V4.0; Serial: TP 1202
- Measurement SW: DASY4, V4.6 Build 19 ; Postprocessing SW: SEMCAD, V1.8 Build 159

High Channel 810/Area Scan (5x9x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

Maximum value of SAR (measured) = 0.416 mW/g

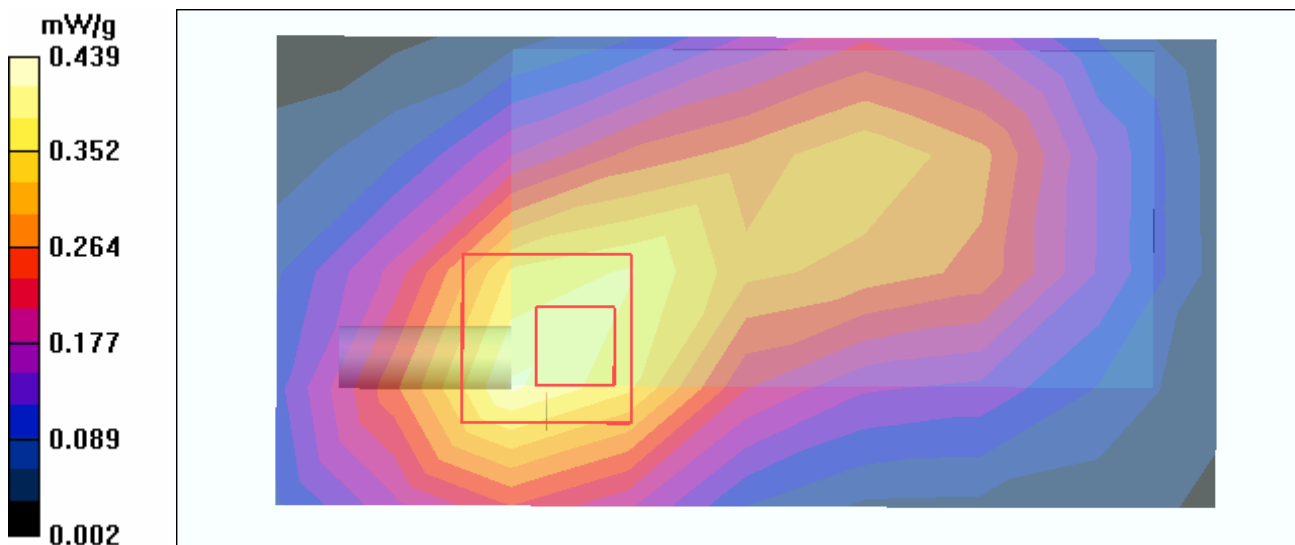
High Channel 810/Zoom Scan (7x7x7) (7x7x7)/Cube 0: Measurement grid: $dx=5\text{mm}$, $dy=5\text{mm}$, $dz=5\text{mm}$

Reference Value = 17.7 V/m

Peak SAR (extrapolated) = 0.690 W/kg

SAR(1 g) = 0.416 mW/g; SAR(10 g) = 0.246 mW/g

Maximum value of SAR (measured) = 0.439 mW/g



Date/Time: 2005/10/28 19:09:19

Test Laboratory: Advance Data Technology

System Validation Check-HSL 835MHz

DUT: Dipole 835 MHz ; Type: D835V2 ; Serial: 4d021 ; Test Frequency: 835 MHz

Communication System: CW ; Frequency: 835 MHz; Duty Cycle: 1:1; Modulation type: CW
 Medium: HSL835; Medium parameters used: $f = 835 \text{ MHz}$; $\sigma = 0.89 \text{ mho/m}$; $\epsilon_r = 41.4$; $\rho = 1000 \text{ kg/m}^3$;
 Liquid level : 150 mm
 Phantom section: Flat Section ; Separation distance : 15 mm (The feetpoint of the dipole to the Phantom)
 Air temp. : 22.8 degrees ; Liquid temp. : 21.6 degrees

DASY4 Configuration:

- Probe: ET3DV6 - SN1687 ; ConvF(6.34, 6.34, 6.34) ; Calibrated: 2005/9/15
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn510; Calibrated: 2005/8/17
- Phantom: SAM 12; Type: SAM V4.0; Serial: TP 1202
- Measurement SW: DASY4, V4.6 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 159

d=15mm, Pin=250mW/Area Scan (7x9x1): Measurement grid: dx=15mm, dy=15mm
 Maximum value of SAR (measured) = 2.31 mW/g

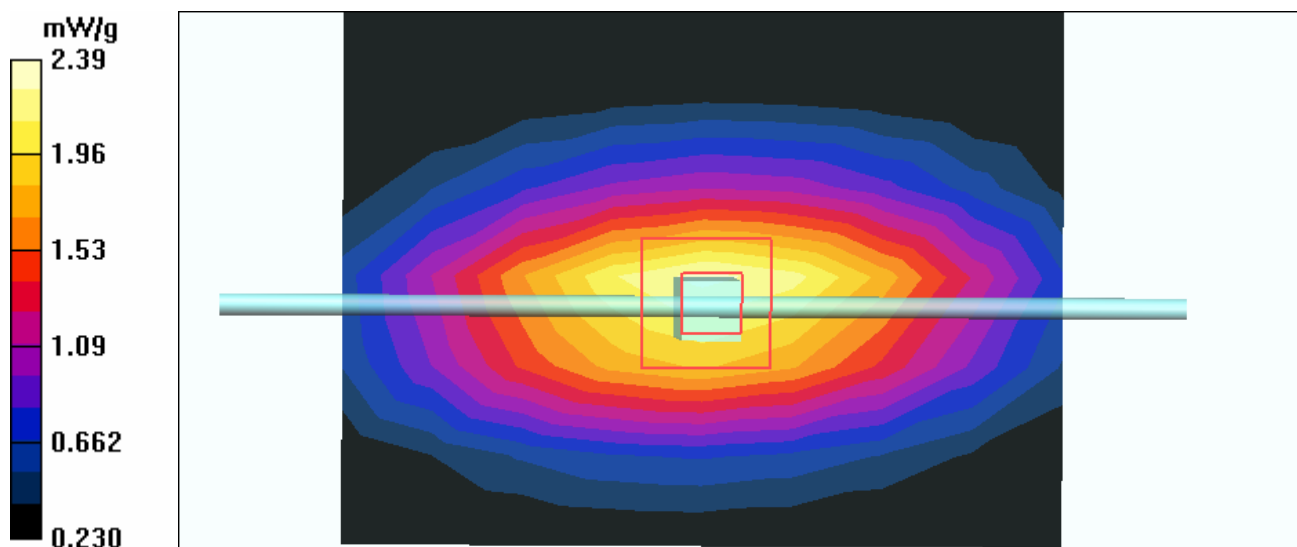
d=15mm, Pin=250mW/Zoom Scan (7x7x7) (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 53.0 V/m; Power Drift = -0.159 dB

Peak SAR (extrapolated) = 3.21 W/kg

SAR(1 g) = 2.22 mW/g; SAR(10 g) = 1.46 mW/g

Maximum value of SAR (measured) = 2.39 mW/g



Date/Time: 2005/10/28 19:49:59

Test Laboratory: Advance Data Technology

System Validation Check-MSL 835MHz

DUT: Dipole 850 MHz ; Type: D835V2 ; Serial: 4d021 ; Test Frequency: 835 MHz

Communication System: CW ; Frequency: 835 MHz; Duty Cycle: 1:1; Modulation type: CW
 Medium: MSL835; Medium parameters used: $f = 835 \text{ MHz}$; $\sigma = 0.99 \text{ mho/m}$; $\epsilon_r = 55.2$; $\rho = 1000 \text{ kg/m}^3$;
 Liquid level : 151 mm
 Phantom section: Flat Section ; Separation distance : 15 mm (The feetpoint of the dipole to the Phantom)
 Air temp. : 22.6 degrees ; Liquid temp. : 21.3 degrees

DASY4 Configuration:

- Probe: ET3DV6 - SN1687 ; ConvF(6.21, 6.21, 6.21) ; Calibrated: 2005/9/15
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn510; Calibrated: 2005/8/17
- Phantom: SAM 12; Type: SAM V4.0; Serial: TP 1202
- Measurement SW: DASY4, V4.6 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 159

d=15mm, Pin=250mW/Area Scan (7x9x1): Measurement grid: dx=15mm, dy=15mm
 Maximum value of SAR (measured) = 2.21 mW/g

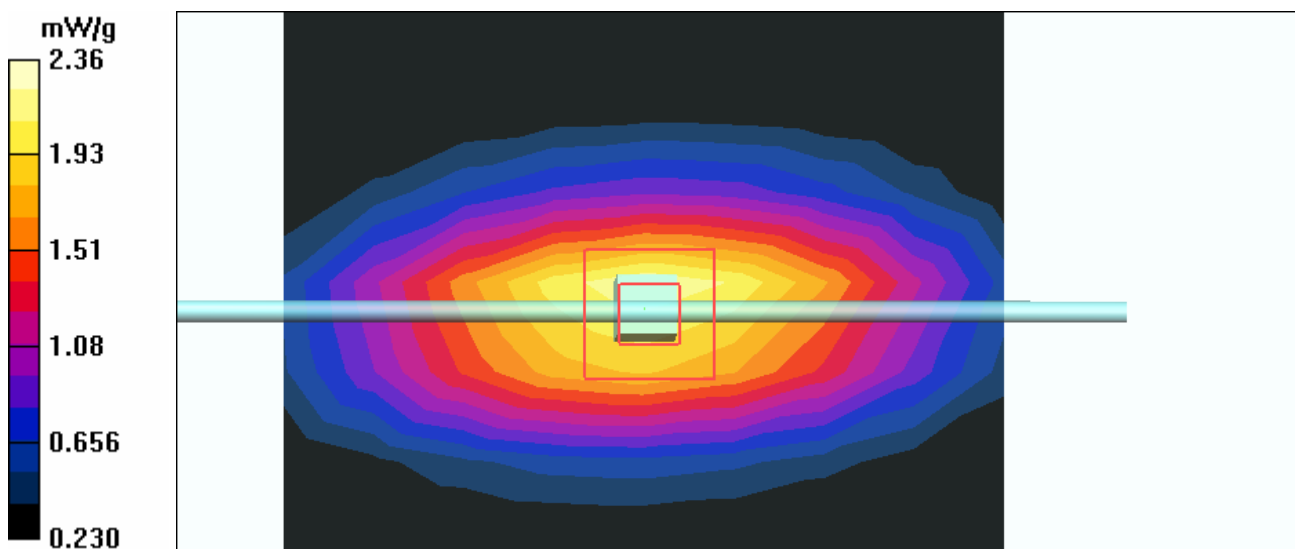
d=15mm, Pin=250mW/Zoom Scan (7x7x7) (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 50.7 V/m; Power Drift = -0.021 dB

Peak SAR (extrapolated) = 3.17 W/kg

SAR(1 g) = 2.19 mW/g; SAR(10 g) = 1.44 mW/g

Maximum value of SAR (measured) = 2.36 mW/g



Date/Time: 2005/10/27 09:52:20

Test Laboratory: Advance Data Technology

System Validation Check-HSL 1900MHz

DUT: Dipole 1900 MHz ; Type: D1900V2 ; Serial: 5d022 ; Test Frequency: 1900 MHz

Communication System: CW ; Frequency: 1900 MHz; Duty Cycle: 1:1; Modulation type: CW
 Medium: HSL1900; Medium parameters used: $f = 1900 \text{ MHz}$; $\sigma = 1.44 \text{ mho/m}$; $\epsilon_r = 39.7$; $\rho = 1000 \text{ kg/m}^3$;
 Liquid level : 155 mm
 Phantom section: Flat Section ; Separation distance : 10 mm (The feetpoint of the dipole to the Phantom)
 Air temp. : 22.4 degrees ; Liquid temp. : 21.2 degrees

DASY4 Configuration:

- Probe: ET3DV6 - SN1687 ; ConvF(4.96, 4.96, 4.96) ; Calibrated: 2005/9/15
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn510; Calibrated: 2005/8/17
- Phantom: SAM 12; Type: SAM V4.0; Serial: TP 1202
- Measurement SW: DASY4, V4.6 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 159

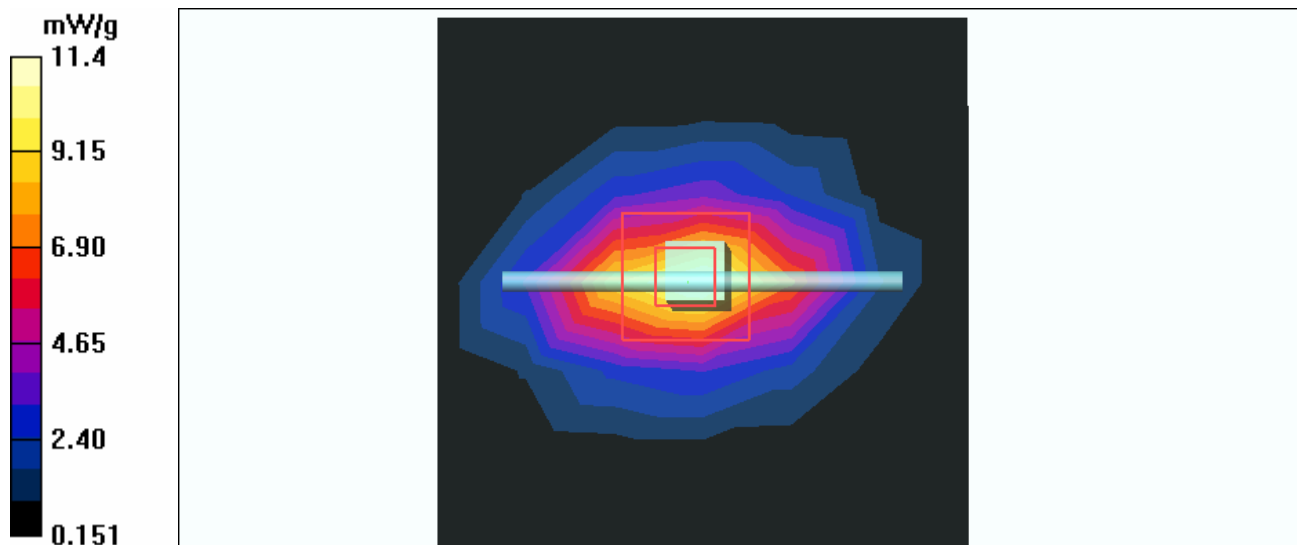
d=10mm, Pin=250mW/Area Scan (7x7x1): Measurement grid: dx=15mm, dy=15mm
 Maximum value of SAR (measured) = 11.4 mW/g

d=10mm, Pin=250mW/Zoom Scan (7x7x7) (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 94.6 V/m; Power Drift = -0.105 dB

Peak SAR (extrapolated) = 17.9 W/kg

SAR(1 g) = **10.1 mW/g**; SAR(10 g) = 5.23 mW/g



Date/Time: 2005/10/27 10:28:53

Test Laboratory: Advance Data Technology

System Validation Check-MSL 1900MHz

DUT: Dipole 1900 MHz ; Type: D1900V2 ; Serial: 5d022 ; Test Frequency: 1900 MHz

Communication System: CW ; Frequency: 1900 MHz; Duty Cycle: 1:1; Modulation type: CW
 Medium: MSL1900; Medium parameters used: $f = 1900$ MHz; $\sigma = 1.57$ mho/m; $\epsilon_r = 52.6$; $\rho = 1000$ kg/m³ ; Liquid level : 150 mm
 Phantom section: Flat Section ; Separation distance : 10 mm (The feetpoint of the dipole to the Phantom) Air temp. : 22.7 degrees ; Liquid temp. : 21.6 degrees

DASY4 Configuration:

- Probe: ET3DV6 - SN1687 ; ConvF(4.39, 4.39, 4.39) ; Calibrated: 2005/9/15
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn510; Calibrated: 2005/8/17
- Phantom: SAM 12; Type: SAM V4.0; Serial: TP 1202
- Measurement SW: DASY4, V4.6 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 159

d=10mm, Pin=250mW/Area Scan (7x7x1): Measurement grid: dx=15mm, dy=15mm
 Maximum value of SAR (measured) = 10.4 mW/g

d=10mm, Pin=250mW/Zoom Scan (7x7x7) (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 89.8 V/m; Power Drift = -0.014 dB

Peak SAR (extrapolated) = 16.1 W/kg

SAR(1 g) = 9.82 mW/g; SAR(10 g) = 5.22 mW/g

Maximum value of SAR (measured) = 10.6 mW/g

