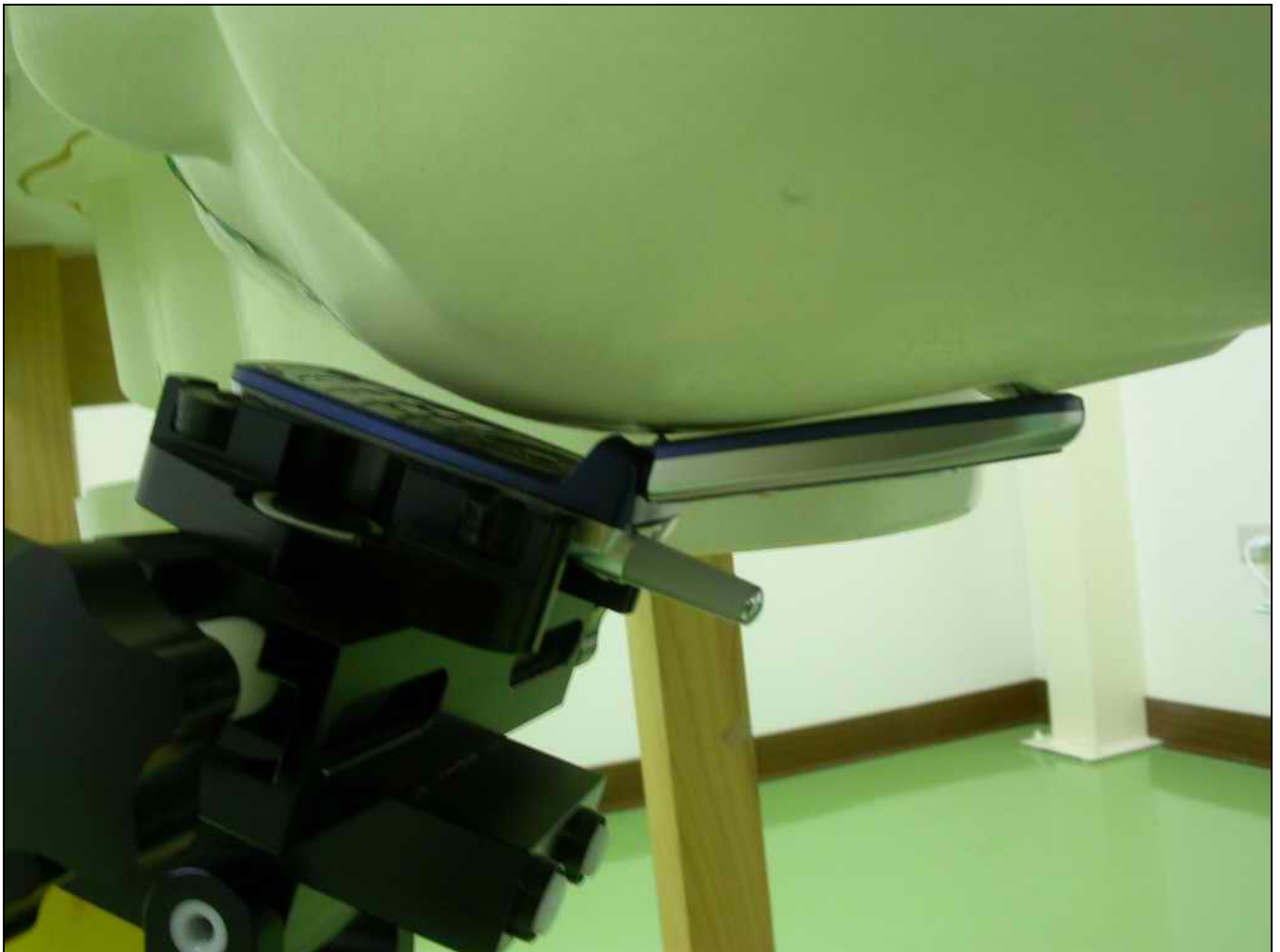


APPENDIX A: TEST CONFIGURATIONS AND TEST DATA

A1: TEST CONFIGURATION

Left Head Cheek Position



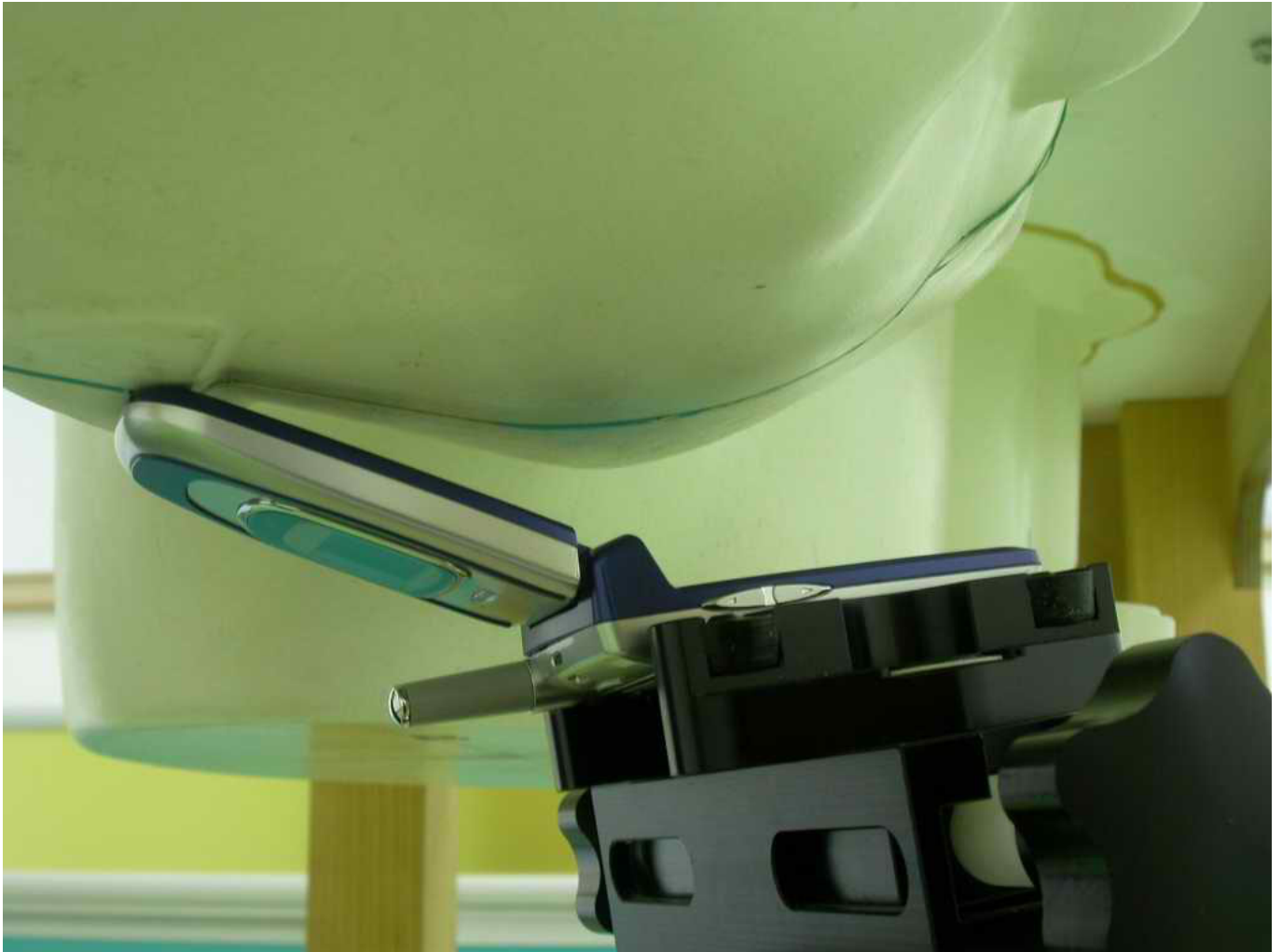
Left Head Tilt Position



Right Head Cheek Position



Right Head Tilt Position



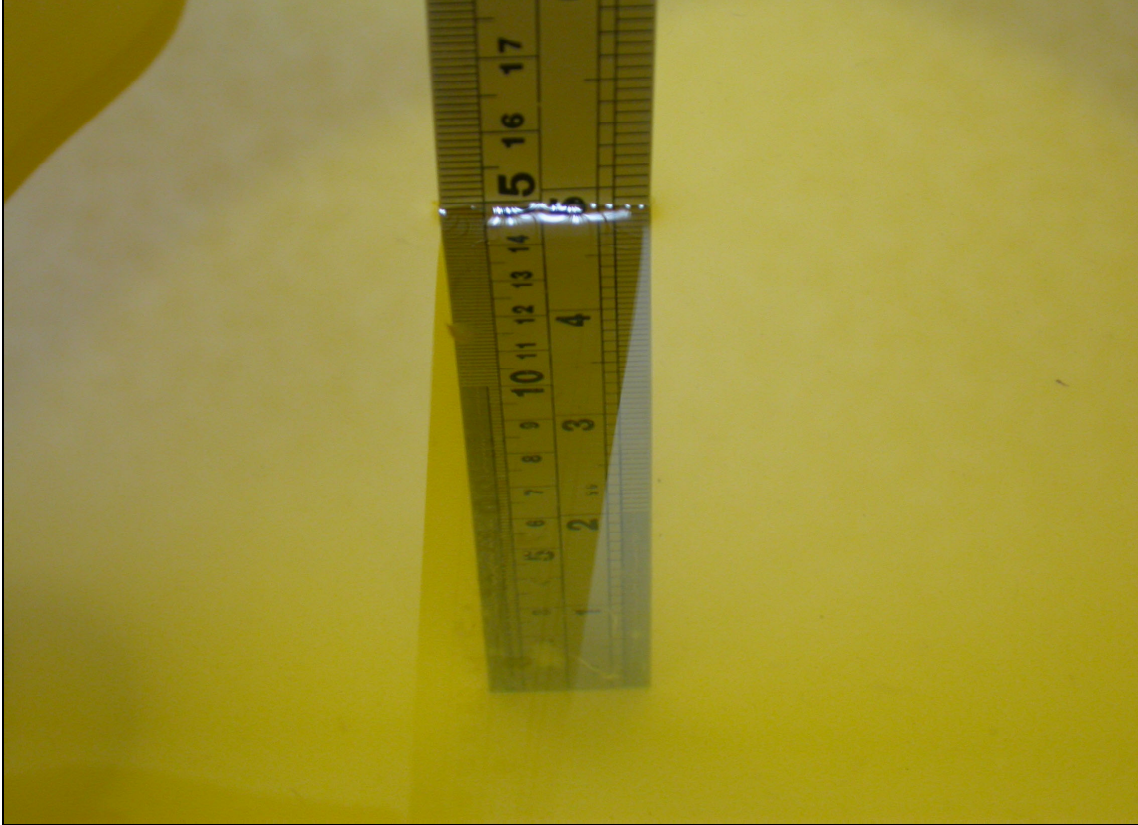
EUT Photo





Liquid Level Photo

Tissue 850MHz D=150mm



Tissue 1900MHz D=150mm



Date/Time: 2005/5/13 14:02:11

Test Laboratory: Advance Data Technology

V5510 PCS850 Right Head

DUT: Dual Band GSM Mobile Phone ; Type: V5510 ; 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; $\epsilon_r = 42.6$; $\rho = 1000$ kg/m³ ; Liquid level: 150mm

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

Antenna type : External Antenna ; Air temp. : 22.0 degrees ; Liquid temp. : 21.0 degrees

DASY4 Configuration:

- Probe: ET3DV6 - SN1531; ConvF(6.19, 6.19, 6.19) ; Calibrated: 2004/11/19
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn579; Calibrated: 2005/3/23
- Phantom: SAM 12; Type: SAM V4.0; Serial: TP 1202
- Measurement SW: DASY4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 146

Touch position - Low Channel 128/Area Scan (7x13x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 0.508 mW/g

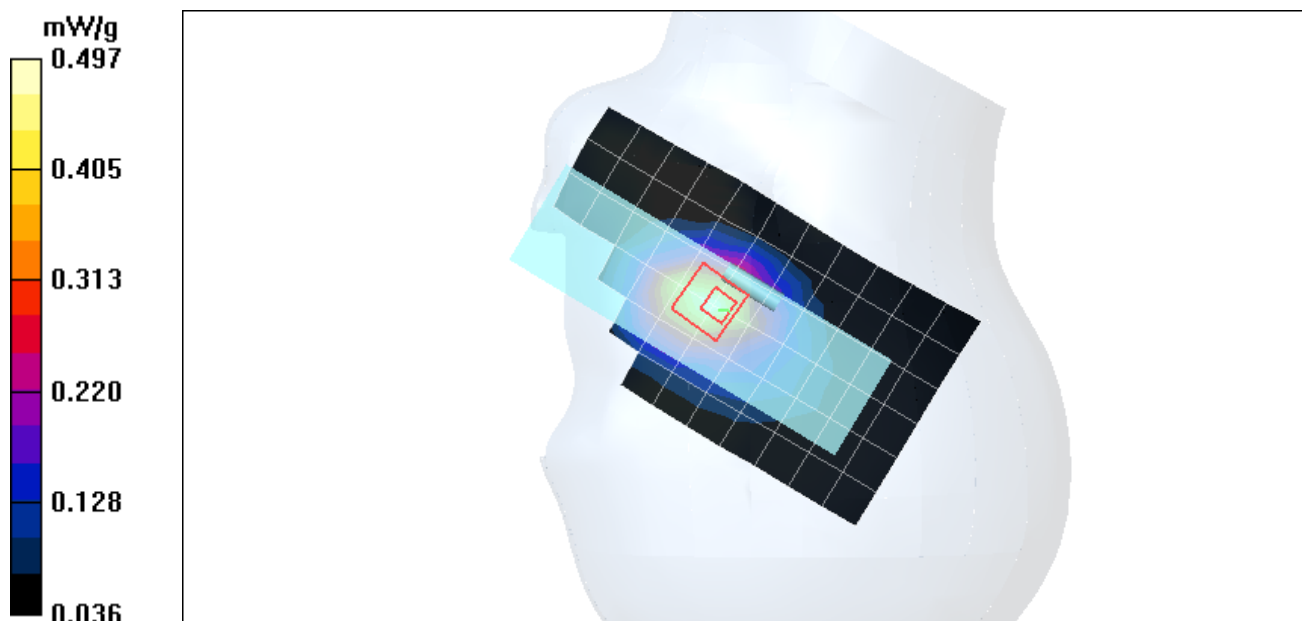
Touch position - Low Channel 128/Zoom Scan (7x7x7) (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 8.20 V/m

Peak SAR (extrapolated) = 0.731 W/kg

SAR(1 g) = 0.466 mW/g; SAR(10 g) = 0.303 mW/g

Maximum value of SAR (measured) = 0.497 mW/g



Date/Time: 2005/5/13 14:27:13

Test Laboratory: Advance Data Technology

V5510 PCS850 Right Head

DUT: Dual Band GSM Mobile Phone ; Type: V5510 ; Test Frequency: 836.6 MHz

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

Phantom: SAM 12 Medium parameters used: $f = 836.6$ MHz; $\sigma = 0.891$ mho/m; $\epsilon_r = 42.4$; $\rho = 1000$ kg/m³ ; Liquid level: 150mm

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

Antenna type : External Antenna ; Air temp. : 22.0 degrees ; Liquid temp. : 21.0 degrees

DASY4 Configuration:

- Probe: ET3DV6 - SN1531; ConvF(6.19, 6.19, 6.19) ; Calibrated: 2004/11/19
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn579; Calibrated: 2005/3/23
- Phantom: SAM 12; Type: SAM V4.0; Serial: TP 1202
- Measurement SW: DASY4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 146

Touch position - Middle Channel 190/Area Scan (7x13x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 0.535 mW/g

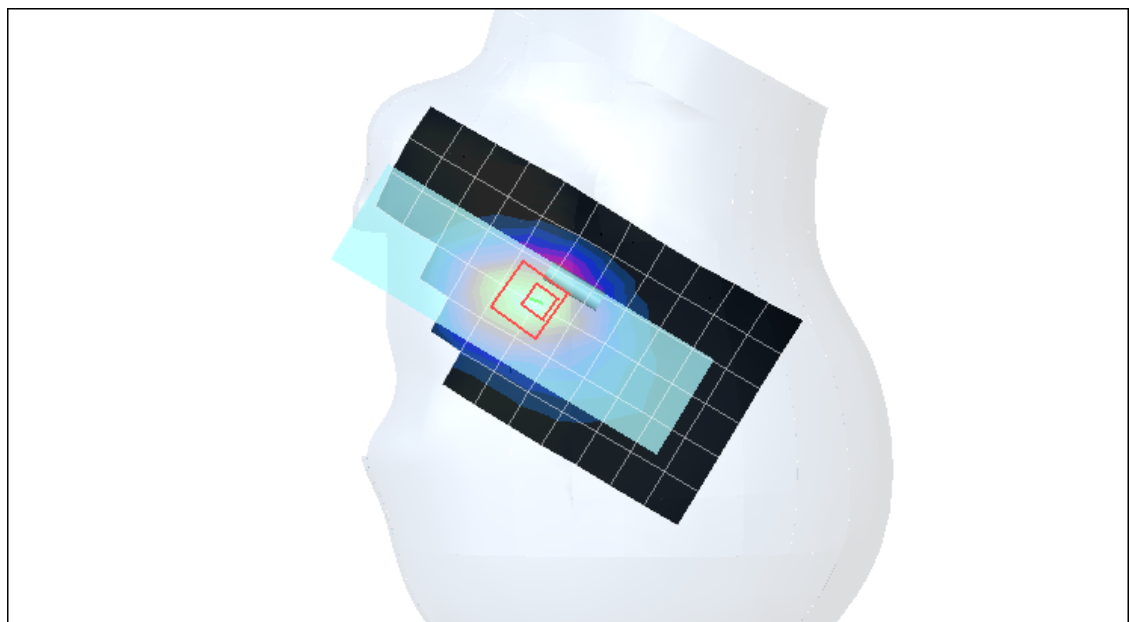
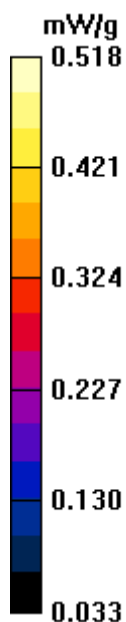
Touch position - Middle Channel 190/Zoom Scan (7x7x7) (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 8.28 V/m

Peak SAR (extrapolated) = 0.772 W/kg

SAR(1 g) = 0.482 mW/g; SAR(10 g) = 0.309 mW/g

Maximum value of SAR (measured) = 0.518 mW/g



Date/Time: 2005/5/13 14:55:56

Test Laboratory: Advance Data Technology

V5510 PCS850 Right Head

DUT: Dual Band GSM Mobile Phone ; Type: V5510 ; Test Frequency: 848.8 MHz

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

Phantom: SAM 12 Medium parameters used: $f = 848.8 \text{ MHz}$; $\sigma = 0.901 \text{ mho/m}$; $\epsilon_r = 42.3$; $\rho = 1000 \text{ kg/m}^3$; Liquid level: 150mm

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

Antenna type : External Antenna ; Air temp. : 22.0 degrees ; Liquid temp. : 21.0 degrees

DASY4 Configuration:

- Probe: ET3DV6 - SN1531; ConvF(6.19, 6.19, 6.19) ; Calibrated: 2004/11/19
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn579; Calibrated: 2005/3/23
- Phantom: SAM 12; Type: SAM V4.0; Serial: TP 1202
- Measurement SW: DASY4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 146

Touch position - High Channel 251/Area Scan (7x13x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

Maximum value of SAR (measured) = 0.537 mW/g

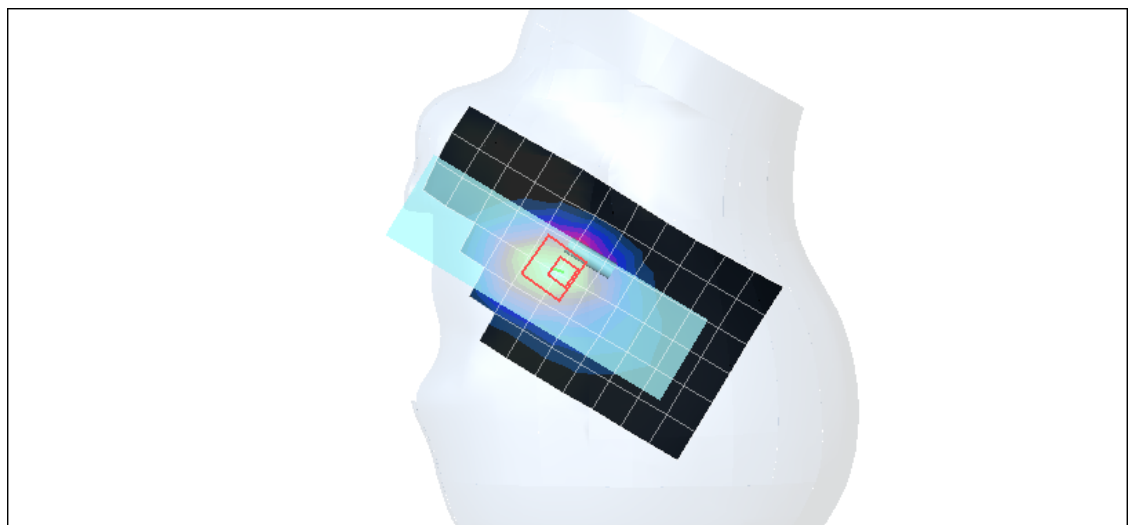
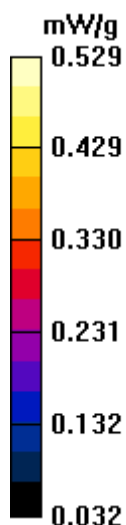
Touch position - High Channel 251/Zoom Scan (7x7x7) (7x7x7)/Cube 0: Measurement grid: $dx=5\text{mm}$, $dy=5\text{mm}$, $dz=5\text{mm}$

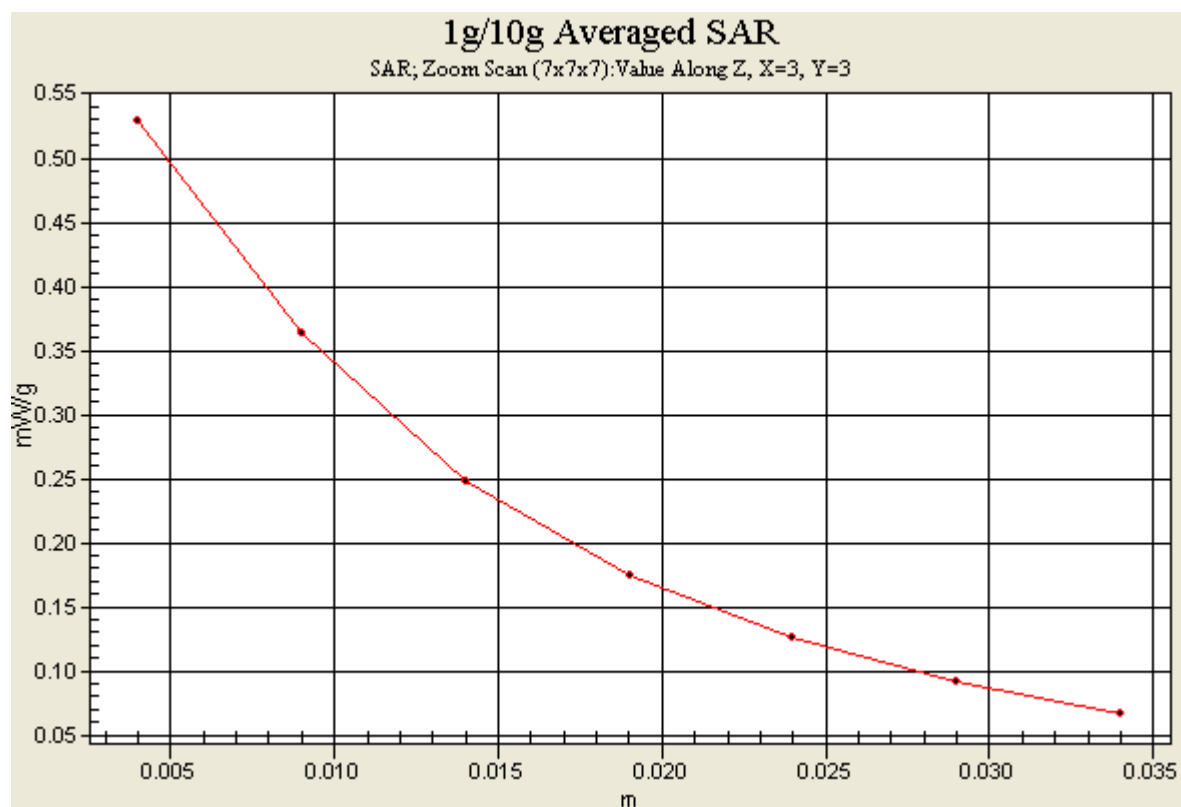
Reference Value = 8.40 V/m

Peak SAR (extrapolated) = 0.817 W/kg

SAR(1 g) = 0.490 mW/g; SAR(10 g) = 0.309 mW/g

Maximum value of SAR (measured) = 0.529 mW/g





Date/Time: 2005/5/13 15:18:32

Test Laboratory: Advance Data Technology

V5510 PCS850 Right Head

DUT: Dual Band GSM Mobile Phone ; Type: V5510 ; Test Channel Frequency: 824.2 MHz

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

Medium: HSL850 Medium parameters used: $f = 824.2$ MHz; $\sigma = 0.88$ mho/m; $\epsilon_r = 42.6$; $\rho = 1000$ kg/m³ ; Liquid level: 150 mm

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

Antenna type : External Antenna ; Air temp. : 22.0 degrees ; Liquid temp. : 21.0 degrees

DASY4 Configuration:

- Probe: ET3DV6 - SN1531 ; ConvF(6.19, 6.19, 6.19) ; Calibrated: 2004/11/19

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

- Electronics: DAE3 Sn579; Calibrated: 2005/3/23

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

- Measurement SW: DASY4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 146

Tilt position - Low Channel 128/Area Scan (7x13x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 0.116 mW/g

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

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

Reference Value = 7.99 V/m

Peak SAR (extrapolated) = 0.142 W/kg

SAR(1 g) = 0.111 mW/g; SAR(10 g) = 0.082 mW/g

Maximum value of SAR (measured) = 0.117 mW/g

Tilt position - Low Channel 128/Zoom Scan (7x7x7) (7x7x7)/Cube 1: Measurement grid:

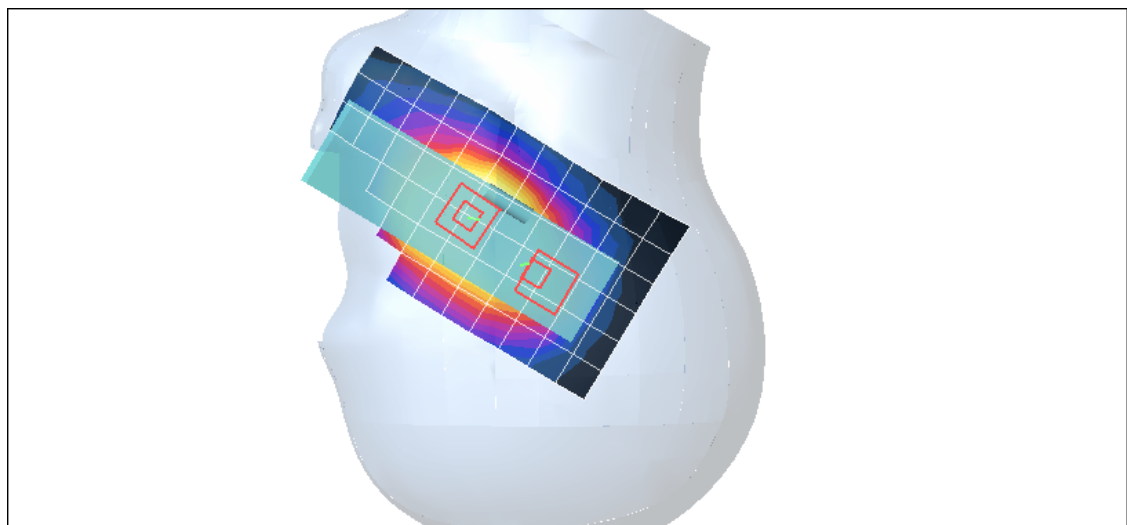
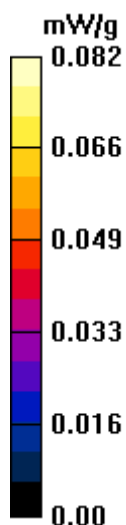
dx=5mm, dy=5mm, dz=5mm

Reference Value = 7.99 V/m

Peak SAR (extrapolated) = 0.098 W/kg

SAR(1 g) = 0.071 mW/g; SAR(10 g) = 0.046 mW/g

Maximum value of SAR (measured) = 0.082 mW/g



Date/Time: 2005/5/13 15:54:30

Test Laboratory: Advance Data Technology

V5510 PCS850 Right Head

DUT: Dual Band GSM Mobile Phone ; Type: V5510 ; Test Channel Frequency: 836.6 MHz

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

Medium: HSL850 Medium parameters used: $f = 836.6$ MHz; $\sigma = 0.891$ mho/m; $\epsilon_r = 42.4$; $\rho = 1000$ kg/m³ ; Liquid level: 150 mm

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

Antenna type : External Antenna ; Air temp. : 22.0 degrees ; Liquid temp. : 21.0 degrees

DASY4 Configuration:

- Probe: ET3DV6 - SN1531 ; ConvF(6.19, 6.19, 6.19) ; Calibrated: 2004/11/19
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn579; Calibrated: 2005/3/23
- Phantom: SAM 12; Type: SAM V4.0; Serial: TP 1202
- Measurement SW: DASY4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 146

Tilt position - Middle Channel 190/Area Scan (7x13x1): Measurement grid: dx=15mm, dy=15mm

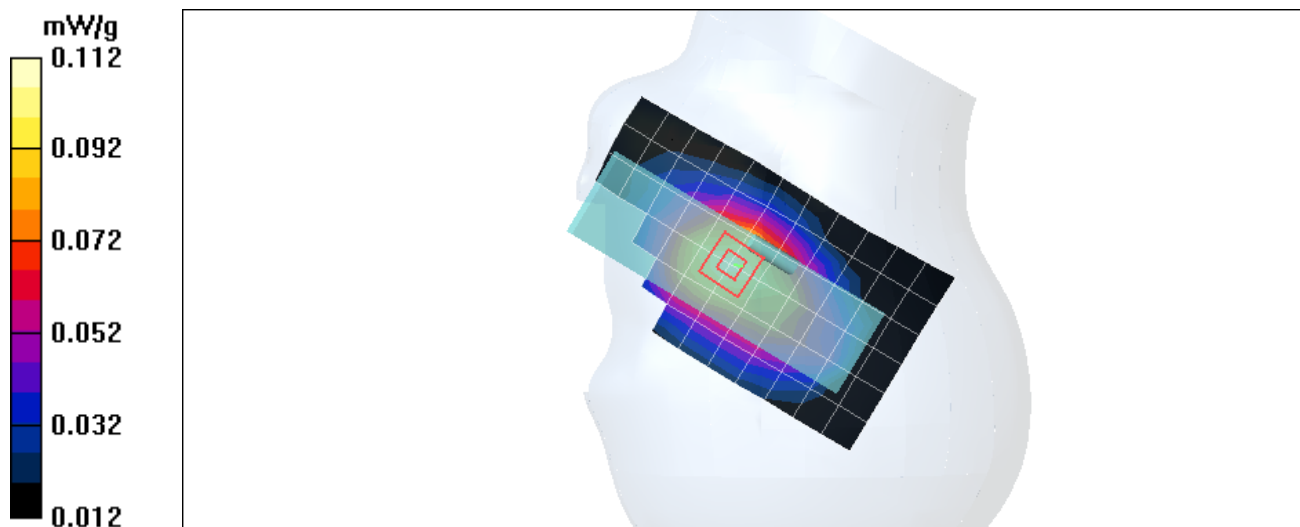
Maximum value of SAR (measured) = 0.112 mW/g

Tilt position - Middle Channel 190/Zoom Scan (7x7x7) (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 7.60 V/m

Peak SAR (extrapolated) = 0.138 W/kg

SAR(1 g) = **0.106 mW/g**; SAR(10 g) = 0.078 mW/g



Date/Time: 2005/5/13 16:16:53

Test Laboratory: Advance Data Technology

V5510 PCS850 Right Head

DUT: Dual Band GSM Mobile Phone ; Type: V5510 ; Test Channel Frequency: 848.8 MHz

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

Medium: HSL850 Medium parameters used: $f = 848.8$ MHz; $\sigma = 0.901$ mho/m; $\epsilon_r = 42.3$; $\rho = 1000$ kg/m³ ; Liquid level: 150 mm

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

Antenna type : External Antenna ; Air temp. : 22.0 degrees ; Liquid temp. : 21.0 degrees

DASY4 Configuration:

- Probe: ET3DV6 - SN1531 ; ConvF(6.19, 6.19, 6.19) ; Calibrated: 2004/11/19
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn579; Calibrated: 2005/3/23
- Phantom: SAM 12; Type: SAM V4.0; Serial: TP 1202
- Measurement SW: DASY4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 146

Tilt position - High Channel 251/Area Scan (7x13x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 0.102 mW/g

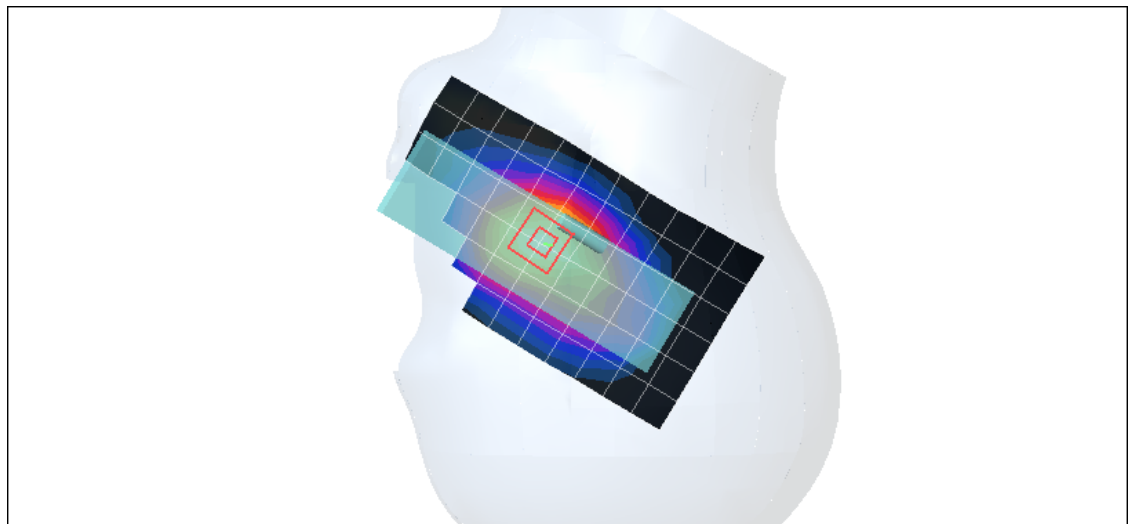
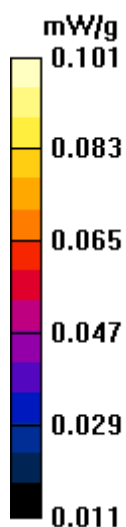
Tilt position - High Channel 251/Zoom Scan (7x7x7) (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 7.15 V/m

Peak SAR (extrapolated) = 0.125 W/kg

SAR(1 g) = 0.096 mW/g; SAR(10 g) = 0.070 mW/g

Maximum value of SAR (measured) = 0.101 mW/g



Date/Time: 2005/5/13 10:50:37

Test Laboratory: Advance Data Technology

V5510 PCS850 Left Head

DUT: Dual Band GSM Mobile Phone ; Type: V5510 ; 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; $\epsilon_r = 42.6$; $\rho = 1000$ kg/m³ ; Liquid level: 150mm

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

Antenna type : External Antenna ; Air temp. : 22.0 degrees ; Liquid temp. : 21.0 degrees

DASY4 Configuration:

- Probe: ET3DV6 - SN1531; ConvF(6.19, 6.19, 6.19) ; Calibrated: 2004/11/19
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn579; Calibrated: 2005/3/23
- Phantom: SAM 12; Type: SAM V4.0; Serial: TP 1202
- Measurement SW: DASY4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 146

Touch position - Low Channel 128/Area Scan (7x13x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 0.428 mW/g

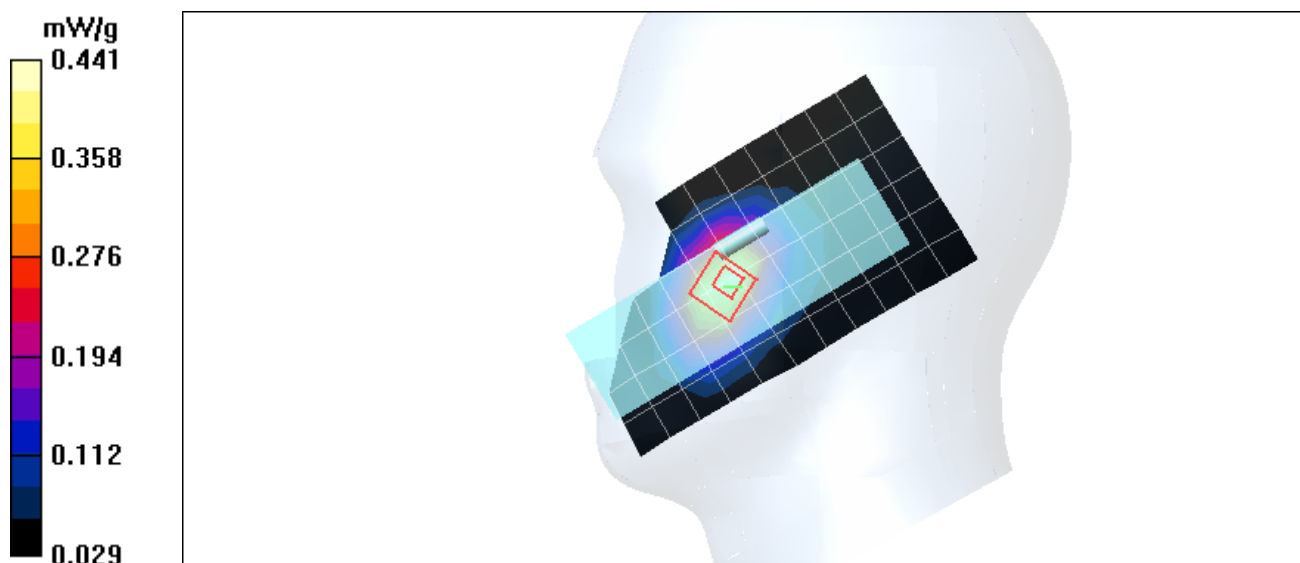
Touch position - Low Channel 128/Zoom Scan (7x7x7) (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 5.40 V/m

Peak SAR (extrapolated) = 0.617 W/kg

SAR(1 g) = 0.411 mW/g; SAR(10 g) = 0.268 mW/g

Maximum value of SAR (measured) = 0.441 mW/g



Date/Time: 2005/5/13 11:12:54

Test Laboratory: Advance Data Technology

V5510 PCS850 Left Head

DUT: Dual Band GSM Mobile Phone ; Type: V5510 ; Test Frequency: 836.6 MHz

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

Phantom: SAM 12 Medium parameters used: $f = 836.6$ MHz; $\sigma = 0.891$ mho/m; $\epsilon_r = 42.4$; $\rho = 1000$ kg/m³ ; Liquid level: 150mm

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

Antenna type : External Antenna ; Air temp. : 22.0 degrees ; Liquid temp. : 21.0 degrees

DASY4 Configuration:

- Probe: ET3DV6 - SN1531; ConvF(6.19, 6.19, 6.19) ; Calibrated: 2004/11/19
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn579; Calibrated: 2005/3/23
- Phantom: SAM 12; Type: SAM V4.0; Serial: TP 1202
- Measurement SW: DASY4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 146

Touch position - Middle Channel 190/Area Scan (7x13x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 0.420 mW/g

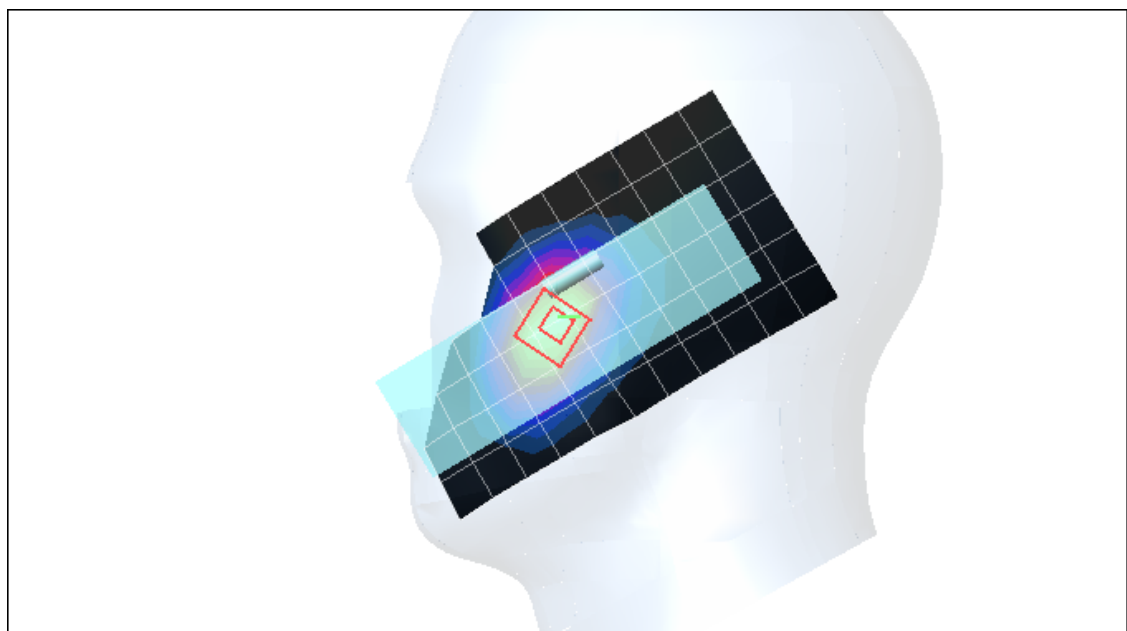
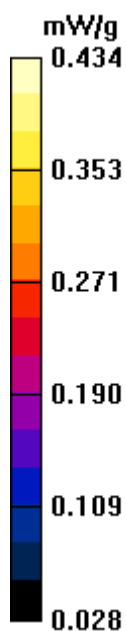
Touch position - Middle Channel 190/Zoom Scan (7x7x7) (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 5.28 V/m

Peak SAR (extrapolated) = 0.607 W/kg

SAR(1 g) = 0.403 mW/g; SAR(10 g) = 0.263 mW/g

Maximum value of SAR (measured) = 0.434 mW/g



Date/Time: 2005/5/13 11:37:08

Test Laboratory: Advance Data Technology

V5510 PCS850 Left Head

DUT: Dual Band GSM Mobile Phone ; Type: V5510 ; Test Frequency: 848.8 MHz

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

Phantom: SAM 12 Medium parameters used: $f = 848.8$ MHz; $\sigma = 0.901$ mho/m; $\epsilon_r = 42.3$; $\rho = 1000$ kg/m³ ; Liquid level: 150mm

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

Antenna type : External Antenna ; Air temp. : 22.0 degrees ; Liquid temp. : 21.0 degrees

DASY4 Configuration:

- Probe: ET3DV6 - SN1531; ConvF(6.19, 6.19, 6.19) ; Calibrated: 2004/11/19
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn579; Calibrated: 2005/3/23
- Phantom: SAM 12; Type: SAM V4.0; Serial: TP 1202
- Measurement SW: DASY4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 146

Touch position - High Channel 251/Area Scan (7x13x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 0.395 mW/g

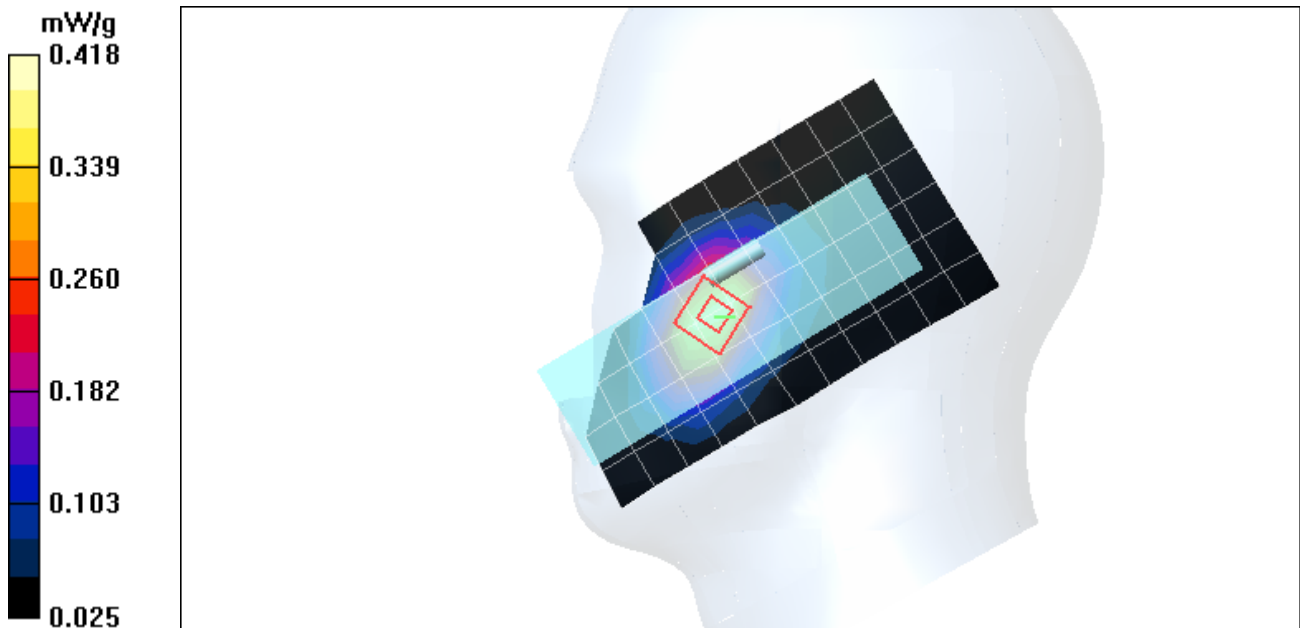
Touch position - High Channel 251/Zoom Scan (7x7x7) (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 5.04 V/m

Peak SAR (extrapolated) = 0.572 W/kg

SAR(1 g) = 0.385 mW/g; SAR(10 g) = 0.250 mW/g

Maximum value of SAR (measured) = 0.418 mW/g



Date/Time: 2005/5/13 11:59:17

Test Laboratory: Advance Data Technology

V5510 PCS850 Left Head

DUT: Dual Band GSM Mobile Phone ; Type: V5510 ; 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; $\epsilon_r = 42.6$; $\rho = 1000$ kg/m³ ; Liquid level: 150mm

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

Antenna type : External Antenna ; Air temp. : 22.0 degrees ; Liquid temp. : 21.0 degrees

DASY4 Configuration:

- Probe: ET3DV6 - SN1531; ConvF(6.19, 6.19, 6.19) ; Calibrated: 2004/11/19
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn579; Calibrated: 2005/3/23
- Phantom: SAM 12; Type: SAM V4.0; Serial: TP 1202
- Measurement SW: DASY4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 146

Tilt position - Low Channel 128/Area Scan (7x13x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 0.132 mW/g

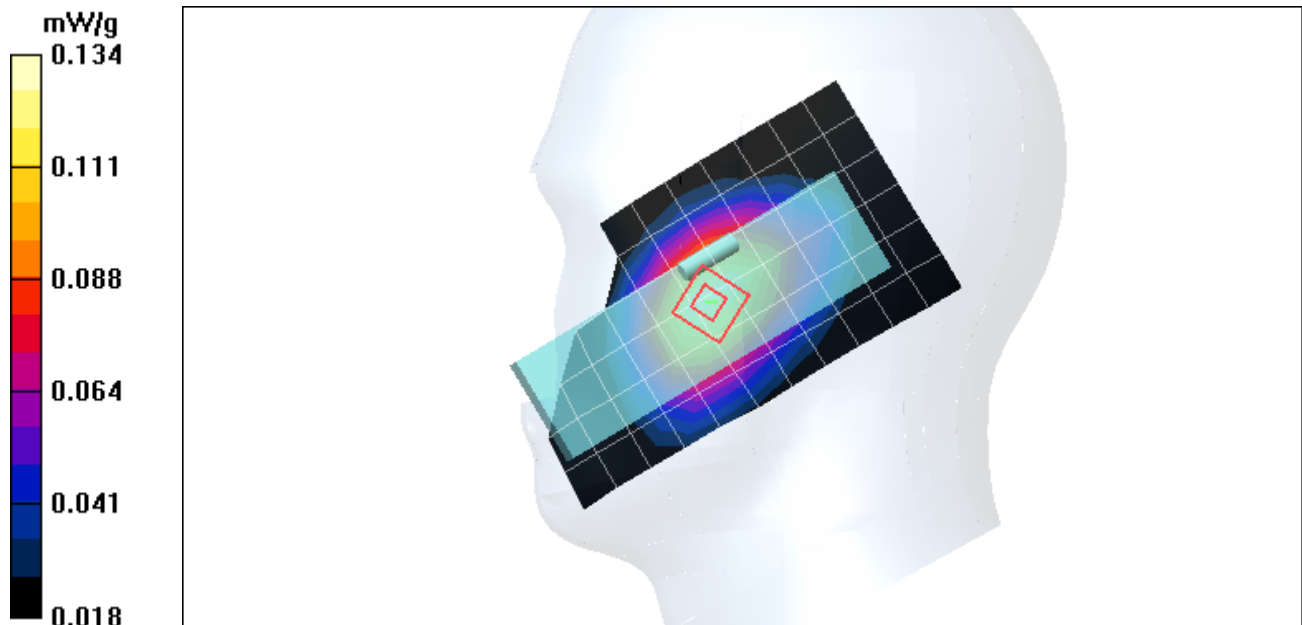
Tilt position - Low Channel 128/Zoom Scan (7x7x7) (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 7.75 V/m

Peak SAR (extrapolated) = 0.164 W/kg

SAR(1 g) = 0.127 mW/g; SAR(10 g) = 0.093 mW/g

Maximum value of SAR (measured) = 0.134 mW/g



Date/Time: 2005/5/13 12:22:02

Test Laboratory: Advance Data Technology

V5510 PCS850 Left Head

DUT: Dual Band GSM Mobile Phone ; Type: V5510 ; Test Channel Frequency: 836.6 MHz

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

Medium: HSL850 Medium parameters used: $f = 836.6$ MHz; $\sigma = 0.891$ mho/m; $\epsilon_r = 42.4$; $\rho = 1000$ kg/m³ ; Liquid level: 150 mm

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

Antenna type : External Antenna ; Air temp. : 22.0 degrees ; Liquid temp. : 21.0 degrees

DASY4 Configuration:

- Probe: ET3DV6 - SN1531 ; ConvF(6.19, 6.19, 6.19) ; Calibrated: 2004/11/19
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn579; Calibrated: 2005/3/23
- Phantom: SAM 12; Type: SAM V4.0; Serial: TP 1202
- Measurement SW: DASY4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 146

Tilt position - Middle Channel 190/Area Scan (7x13x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 0.134 mW/g

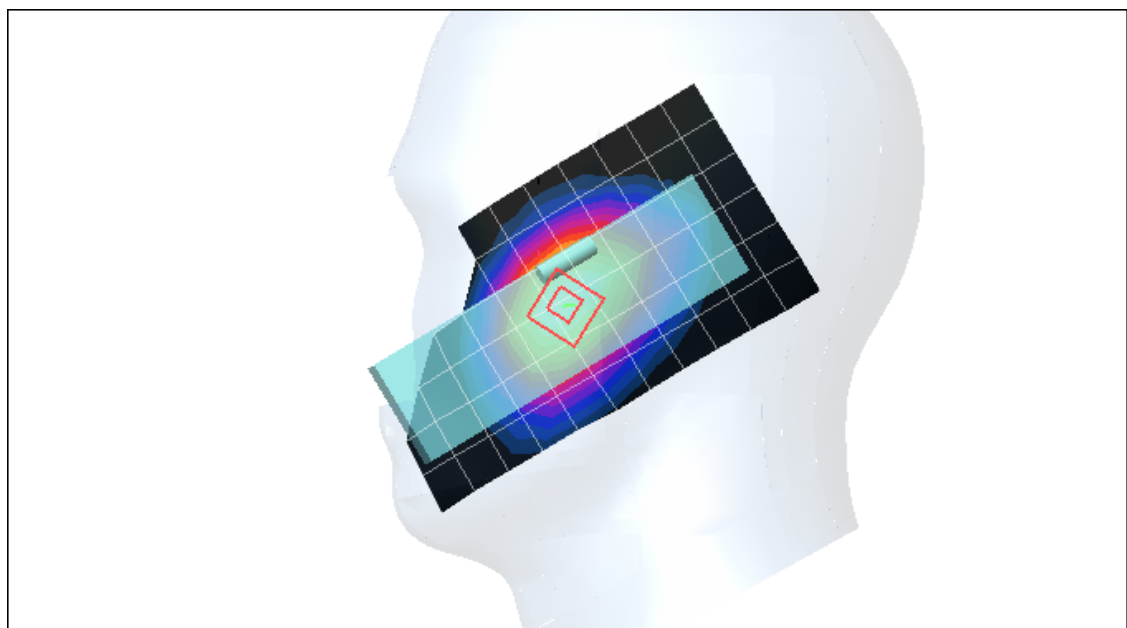
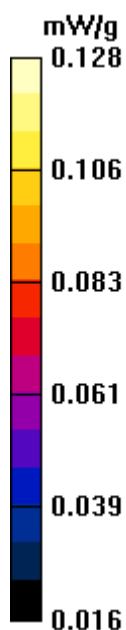
Tilt position - Middle Channel 190/Zoom Scan (7x7x7) (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 7.40 V/m

Peak SAR (extrapolated) = 0.158 W/kg

SAR(1 g) = 0.121 mW/g; SAR(10 g) = 0.087 mW/g

Maximum value of SAR (measured) = 0.128 mW/g



Date/Time: 2005/5/13 12:44:48

Test Laboratory: Advance Data Technology

V5510 PCS850 Left Head

DUT: Dual Band GSM Mobile Phone ; Type: V5510 ; Test Channel Frequency: 848.8 MHz

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

Medium: HSL850 Medium parameters used: $f = 848.8$ MHz; $\sigma = 0.901$ mho/m; $\epsilon_r = 42.3$; $\rho = 1000$ kg/m³ ; Liquid level: 150 mm

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

Antenna type : External Antenna ; Air temp. : 22.0 degrees ; Liquid temp. : 21.0 degrees

DASY4 Configuration:

- Probe: ET3DV6 - SN1531 ; ConvF(6.19, 6.19, 6.19) ; Calibrated: 2004/11/19
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn579; Calibrated: 2005/3/23
- Phantom: SAM 12; Type: SAM V4.0; Serial: TP 1202
- Measurement SW: DASY4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 146

Tilt position - High Channel 251/Area Scan (7x13x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 0.126 mW/g

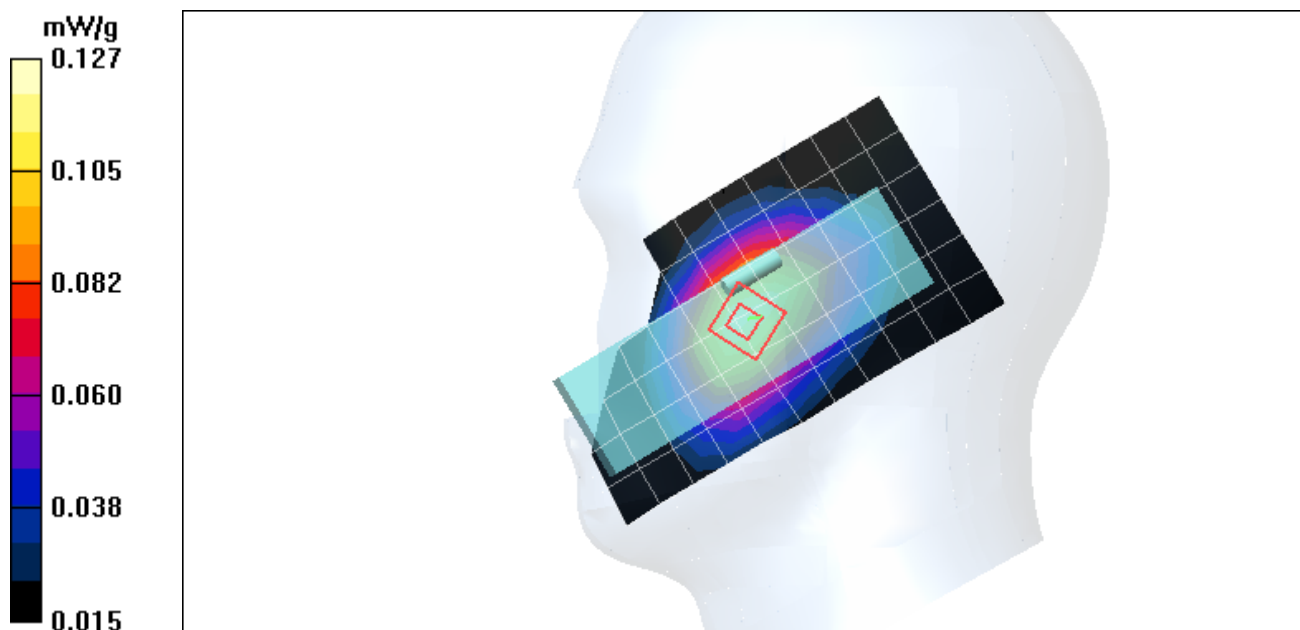
Tilt position - High Channel 251/Zoom Scan (7x7x7) (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 6.97 V/m

Peak SAR (extrapolated) = 0.157 W/kg

SAR(1 g) = 0.120 mW/g; SAR(10 g) = 0.087 mW/g

Maximum value of SAR (measured) = 0.127 mW/g



Date/Time: 2005/5/12 13:45:47

Test Laboratory: Advance Data Technology

V5510 PCS1900 Right Head

DUT: Dual Band GSM Mobile Phone ; Type: V5510 ; 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; $\sigma = 1.37$ mho/m; $\epsilon_r = 38.5$; $\rho = 1000$ kg/m³ ; Liquid level: 150mm

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

Antenna type : External Antenna ; Air temp. : 22.0 degrees ; Liquid temp. : 21.0 degrees

DASY4 Configuration:

- Probe: ET3DV6 - SN1531; ConvF(5.19, 5.19, 5.19) ; Calibrated: 2004/11/19
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn579; Calibrated: 2005/3/23
- Phantom: SAM 12; Type: SAM V4.0; Serial: TP 1202
- Measurement SW: DASY4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 146

Touch position - Low Channel 512/Area Scan (7x13x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 0.709 mW/g

Touch position - Low Channel 512/Zoom Scan (7x7x7) (7x7x7)/Cube 0: Measurement grid:

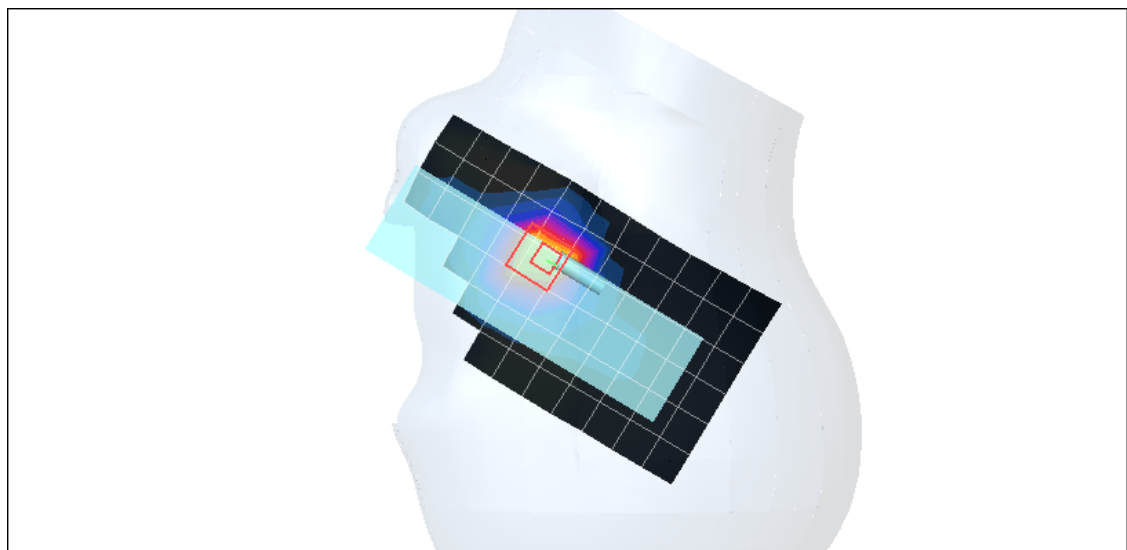
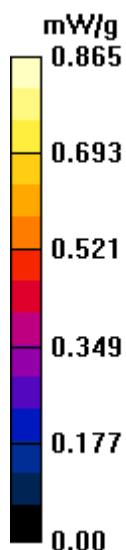
dx=5mm, dy=5mm, dz=5mm

Reference Value = 6.42 V/m

Peak SAR (extrapolated) = 1.24 W/kg

SAR(1 g) = 0.780 mW/g; SAR(10 g) = 0.449 mW/g

Maximum value of SAR (measured) = 0.865 mW/g



Date/Time: 2005/5/12 14:16:50

Test Laboratory: Advance Data Technology

V5510 PCS1900 Right Head

DUT: Dual Band GSM Mobile Phone ; Type: V5510 ; Test Frequency: 1880 MHz

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

Phantom: SAM 12 Medium parameters used: $f = 1880 \text{ MHz}$; $\sigma = 1.4 \text{ mho/m}$; $\epsilon_r = 38.4$; $\rho = 1000 \text{ kg/m}^3$;

Liquid level: 150mm

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

Antenna type : External Antenna ; Air temp. : 22.0 degrees ; Liquid temp. : 21.0 degrees

DASY4 Configuration:

- Probe: ET3DV6 - SN1531; ConvF(5.19, 5.19, 5.19) ; Calibrated: 2004/11/19
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn579; Calibrated: 2005/3/23
- Phantom: SAM 12; Type: SAM V4.0; Serial: TP 1202
- Measurement SW: DASY4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 146

Touch position - Middle Channel 661/Area Scan (7x13x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

Maximum value of SAR (measured) = 0.723 mW/g

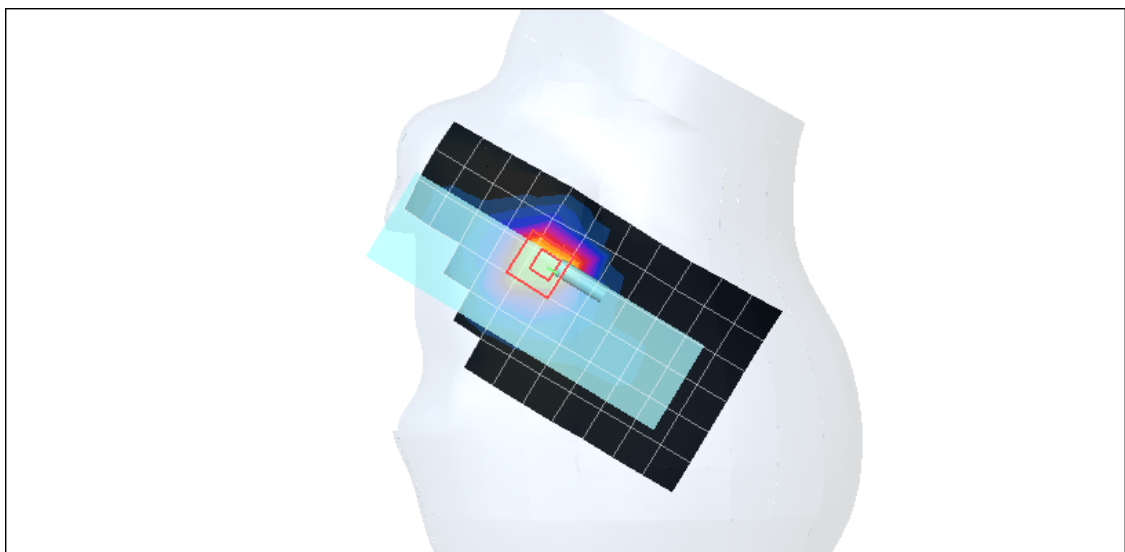
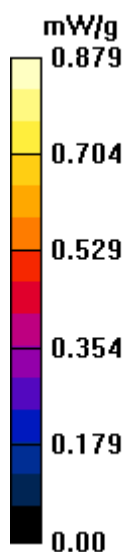
Touch position - Middle Channel 661/Zoom Scan (7x7x7) (7x7x7)/Cube 0: Measurement grid: $dx=5\text{mm}$, $dy=5\text{mm}$, $dz=5\text{mm}$

Reference Value = 6.14 V/m

Peak SAR (extrapolated) = 1.29 W/kg

SAR(1 g) = 0.799 mW/g; SAR(10 g) = 0.460 mW/g

Maximum value of SAR (measured) = 0.879 mW/g



Date/Time: 2005/5/12 14:40:54

Test Laboratory: Advance Data Technology

V5510 PCS1900 Right Head

DUT: Dual Band GSM Mobile Phone ; Type: V5510 ; Test Frequency: 1909.8 MHz

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

Phantom: SAM 12 Medium parameters used: $f = 1909.8 \text{ MHz}$; $\sigma = 1.43 \text{ mho/m}$; $\epsilon_r = 38.2$; $\rho = 1000 \text{ kg/m}^3$; Liquid level: 150mm

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

Antenna type : External Antenna ; Air temp. : 22.0 degrees ; Liquid temp. : 21.0 degrees

DASY4 Configuration:

- Probe: ET3DV6 - SN1531; ConvF(5.19, 5.19, 5.19) ; Calibrated: 2004/11/19
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn579; Calibrated: 2005/3/23
- Phantom: SAM 12; Type: SAM V4.0; Serial: TP 1202
- Measurement SW: DASY4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 146

Touch position - High Channel 810/Area Scan (7x13x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

Maximum value of SAR (measured) = 0.736 mW/g

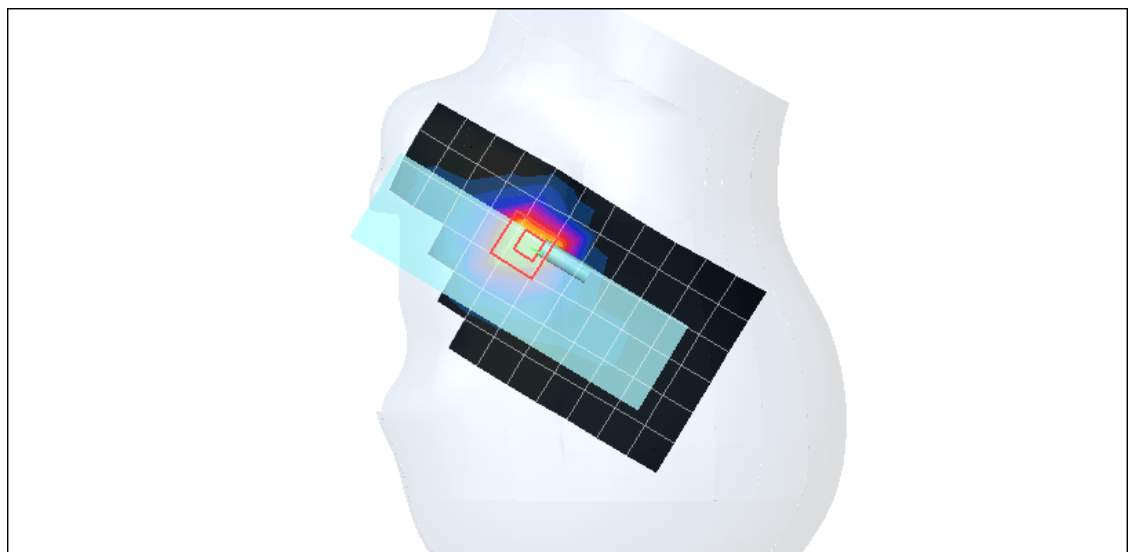
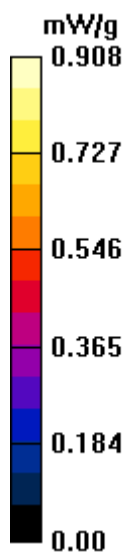
Touch position - High Channel 810/Zoom Scan (7x7x7) (7x7x7)/Cube 0: Measurement grid: $dx=5\text{mm}$, $dy=5\text{mm}$, $dz=5\text{mm}$

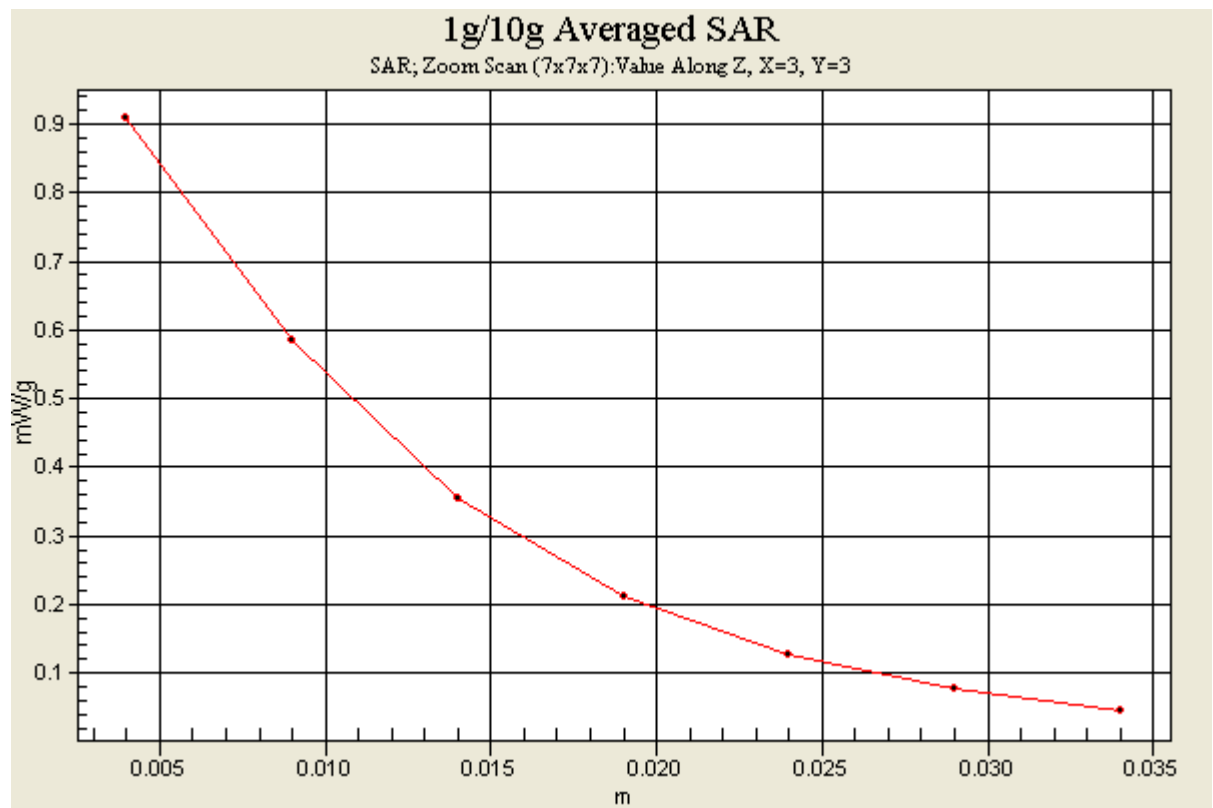
Reference Value = 6.17 V/m

Peak SAR (extrapolated) = 1.32 W/kg

SAR(1 g) = 0.816 mW/g; SAR(10 g) = 0.466 mW/g

Maximum value of SAR (measured) = 0.908 mW/g





Date/Time: 2005/5/12 15:05:43

Test Laboratory: Advance Data Technology

V5510 PCS1900 Right Head

DUT: Dual Band GSM Mobile Phone ; Type: V5510 ; Test Channel 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; $\sigma = 1.37$ mho/m; $\epsilon_r = 38.5$; $\rho = 1000$ kg/m³ ; Liquid level: 150 mm

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

Antenna type : External Antenna ; Air temp. : 22.0 degrees ; Liquid temp. : 21.0 degrees

DASY4 Configuration:

- Probe: ET3DV6 - SN1531 ; ConvF(5.19, 5.19, 5.19) ; Calibrated: 2004/11/19
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn579; Calibrated: 2005/3/23
- Phantom: SAM 12; Type: SAM V4.0; Serial: TP 1202
- Measurement SW: DASY4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 146

Tilt position - Low Channel 512/Area Scan (7x13x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 0.215 mW/g

Tilt position - Low Channel 512/Zoom Scan (7x7x7) (7x7x7)/Cube 0: Measurement grid:

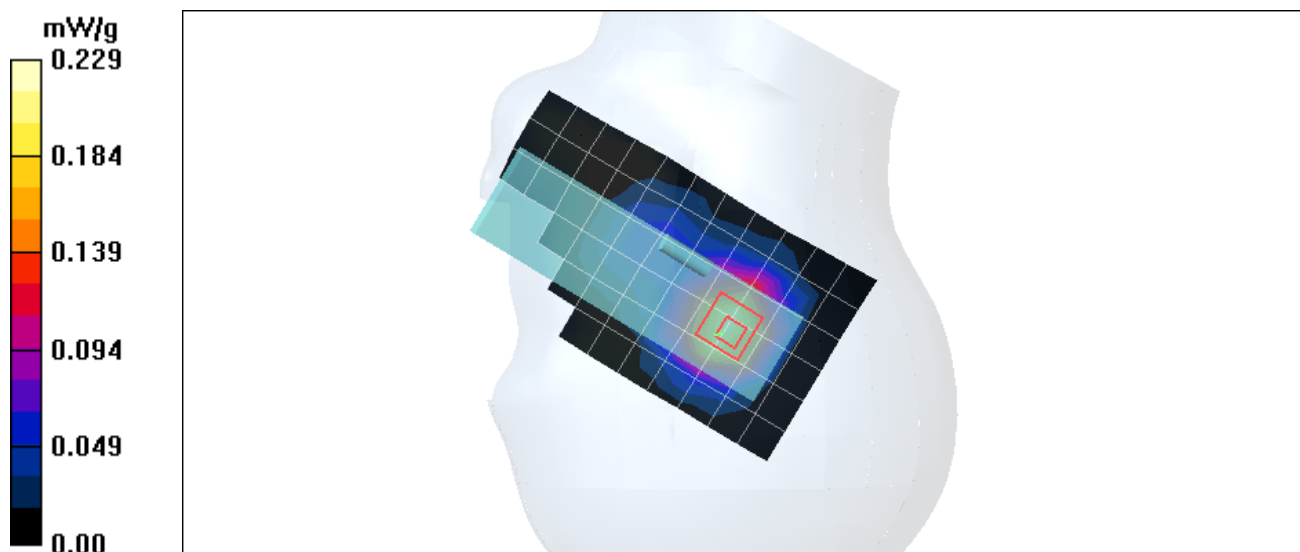
dx=5mm, dy=5mm, dz=5mm

Reference Value = 11.4 V/m

Peak SAR (extrapolated) = 0.301 W/kg

SAR(1 g) = 0.211 mW/g; SAR(10 g) = 0.133 mW/g

Maximum value of SAR (measured) = 0.229 mW/g



Date/Time: 2005/5/12 15:31:55

Test Laboratory: Advance Data Technology

V5510 PCS1900 Right Head

DUT: Dual Band GSM Mobile Phone ; Type: V5510 ; Test Channel Frequency: 1880 MHz

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

Medium: HSL1900 Medium parameters used: $f = 1880$ MHz; $\sigma = 1.4$ mho/m; $\epsilon_r = 38.4$; $\rho = 1000$ kg/m³ ;

Liquid level: 150 mm

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

Antenna type : External Antenna ; Air temp. : 22.0 degrees ; Liquid temp. : 21.0 degrees

DASY4 Configuration:

- Probe: ET3DV6 - SN1531 ; ConvF(5.19, 5.19, 5.19) ; Calibrated: 2004/11/19
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn579; Calibrated: 2005/3/23
- Phantom: SAM 12; Type: SAM V4.0; Serial: TP 1202
- Measurement SW: DASY4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 146

Tilt position - Middle Channel 661/Area Scan (7x13x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 0.182 mW/g

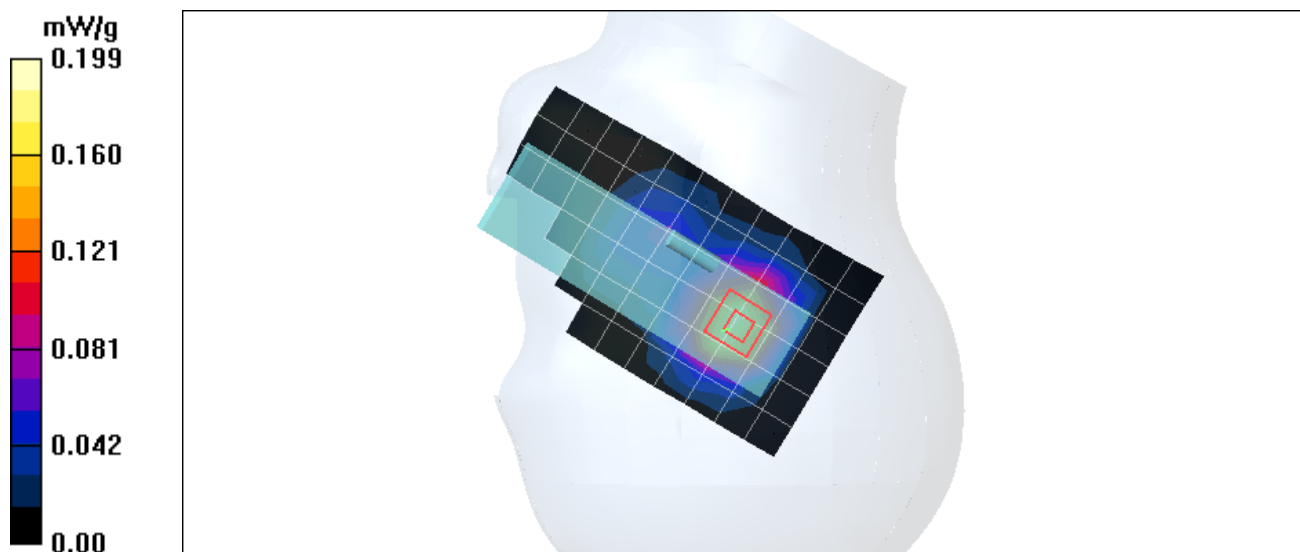
Tilt position - Middle Channel 661/Zoom Scan (7x7x7) (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 10.9 V/m

Peak SAR (extrapolated) = 0.268 W/kg

SAR(1 g) = 0.185 mW/g; SAR(10 g) = 0.115 mW/g

Maximum value of SAR (measured) = 0.199 mW/g



Date/Time: 2005/5/12 15:54:26

Test Laboratory: Advance Data Technology

V5510 PCS1900 Right Head

DUT: Dual Band GSM Mobile Phone ; Type: V5510 ; Test Channel Frequency: 1909.8 MHz

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

Medium: HSL1900 Medium parameters used: $f = 1909.8$ MHz; $\sigma = 1.43$ mho/m; $\epsilon_r = 38.2$; $\rho = 1000$ kg/m³ ; Liquid level: 150 mm

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

Antenna type : External Antenna ; Air temp. : 22.0 degrees ; Liquid temp. : 21.0 degrees

DASY4 Configuration:

- Probe: ET3DV6 - SN1531 ; ConvF(5.19, 5.19, 5.19) ; Calibrated: 2004/11/19
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn579; Calibrated: 2005/3/23
- Phantom: SAM 12; Type: SAM V4.0; Serial: TP 1202
- Measurement SW: DASY4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 146

Tilt position - High Channel 810/Area Scan (7x13x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 0.162 mW/g

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

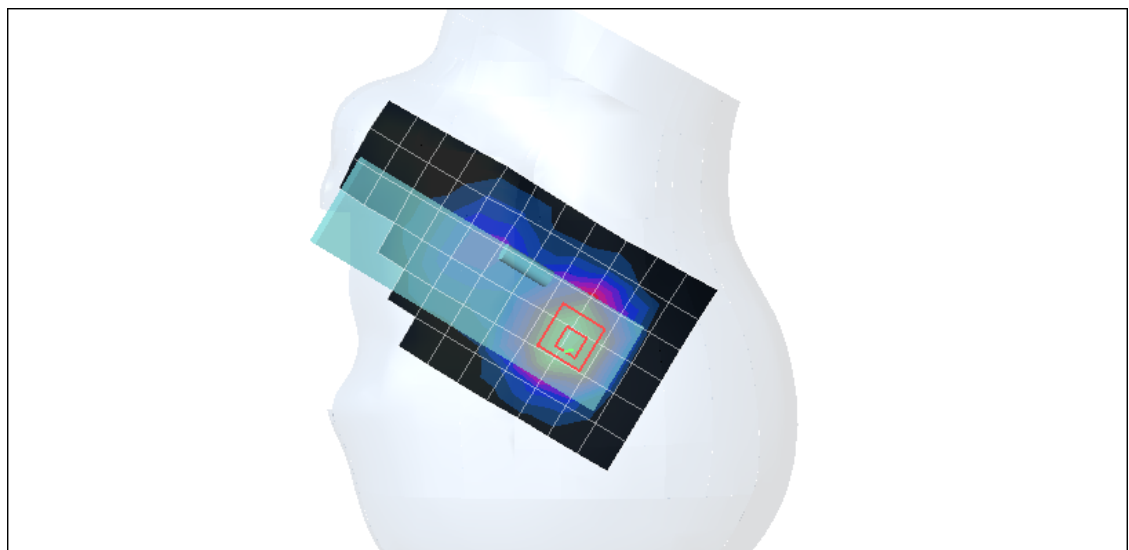
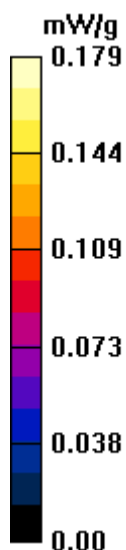
dx=5mm, dy=5mm, dz=5mm

Reference Value = 10.2 V/m

Peak SAR (extrapolated) = 0.243 W/kg

SAR(1 g) = 0.166 mW/g; SAR(10 g) = 0.102 mW/g

Maximum value of SAR (measured) = 0.179 mW/g



Date/Time: 2005/5/12 16:25:47

Test Laboratory: Advance Data Technology

V5510 PCS1900 Left Head

DUT: Dual Band GSM Mobile Phone ; Type: V5510 ; Test Frequency: 1850.2 MHz

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

Phantom: SAM 12 Medium parameters used: $f = 1850.2 \text{ MHz}$; $\sigma = 1.37 \text{ mho/m}$; $\epsilon_r = 38.5$; $\rho = 1000 \text{ kg/m}^3$; Liquid level: 150mm

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

Antenna type : External Antenna ; Air temp. : 22.0 degrees ; Liquid temp. : 21.0 degrees

DASY4 Configuration:

- Probe: ET3DV6 - SN1531; ConvF(5.19, 5.19, 5.19) ; Calibrated: 2004/11/19
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn579; Calibrated: 2005/3/23
- Phantom: SAM 12; Type: SAM V4.0; Serial: TP 1202
- Measurement SW: DASY4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 146

Touch position - Low Channel 512/Area Scan (7x13x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

Maximum value of SAR (measured) = 0.637 mW/g

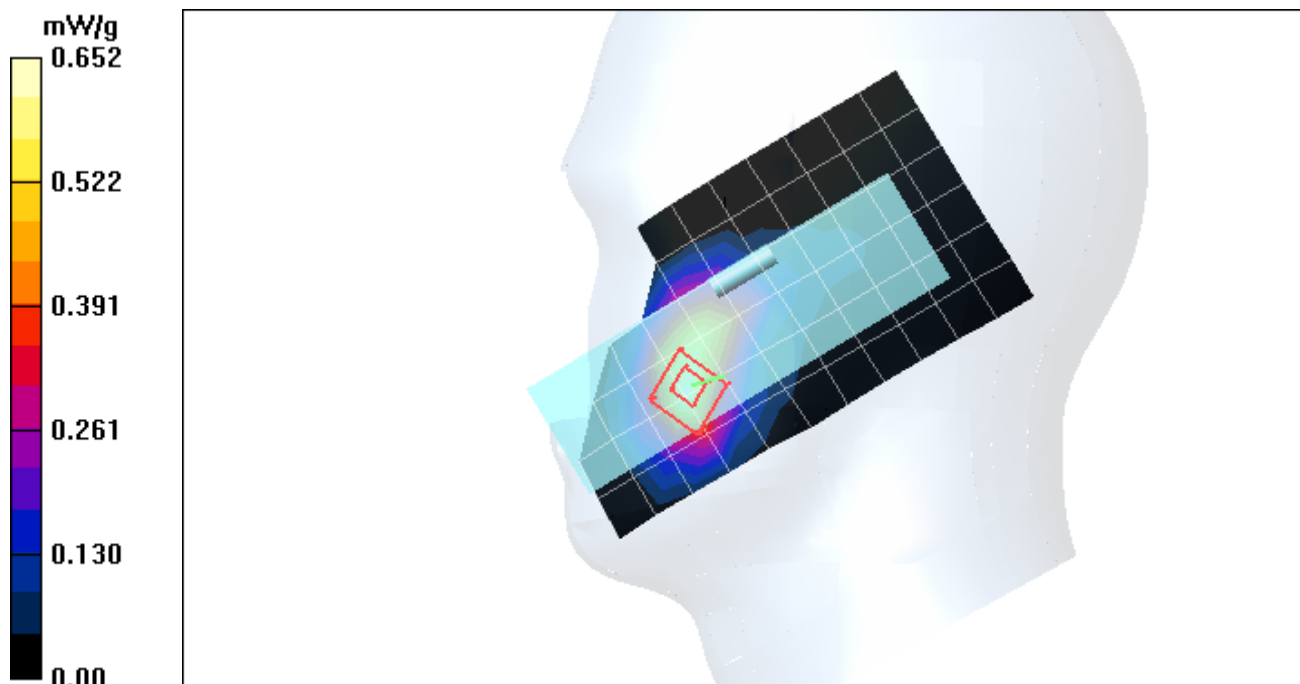
Touch position - Low Channel 512/Zoom Scan (7x7x7) (7x7x7)/Cube 0: Measurement grid: $dx=5\text{mm}$, $dy=5\text{mm}$, $dz=5\text{mm}$

Reference Value = 4.26 V/m

Peak SAR (extrapolated) = 0.855 W/kg

SAR(1 g) = 0.610 mW/g; SAR(10 g) = 0.370 mW/g

Maximum value of SAR (measured) = 0.652 mW/g



Date/Time: 2005/5/12 16:52:33

Test Laboratory: Advance Data Technology

V5510 PCS1900 Left Head

DUT: Dual Band GSM Mobile Phone ; Type: V5510 ; Test Frequency: 1880 MHz

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

Phantom: SAM 12 Medium parameters used: $f = 1880$ MHz; $\sigma = 1.4$ mho/m; $\epsilon_r = 38.4$; $\rho = 1000$ kg/m³ ;

Liquid level: 150mm

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

Antenna type : External Antenna ; Air temp. : 22.0 degrees ; Liquid temp. : 21.0 degrees

DASY4 Configuration:

- Probe: ET3DV6 - SN1531; ConvF(5.19, 5.19, 5.19) ; Calibrated: 2004/11/19

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

- Electronics: DAE3 Sn579; Calibrated: 2005/3/23

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

- Measurement SW: DASY4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 146

Touch position - Middle Channel 661/Area Scan (7x13x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 0.648 mW/g

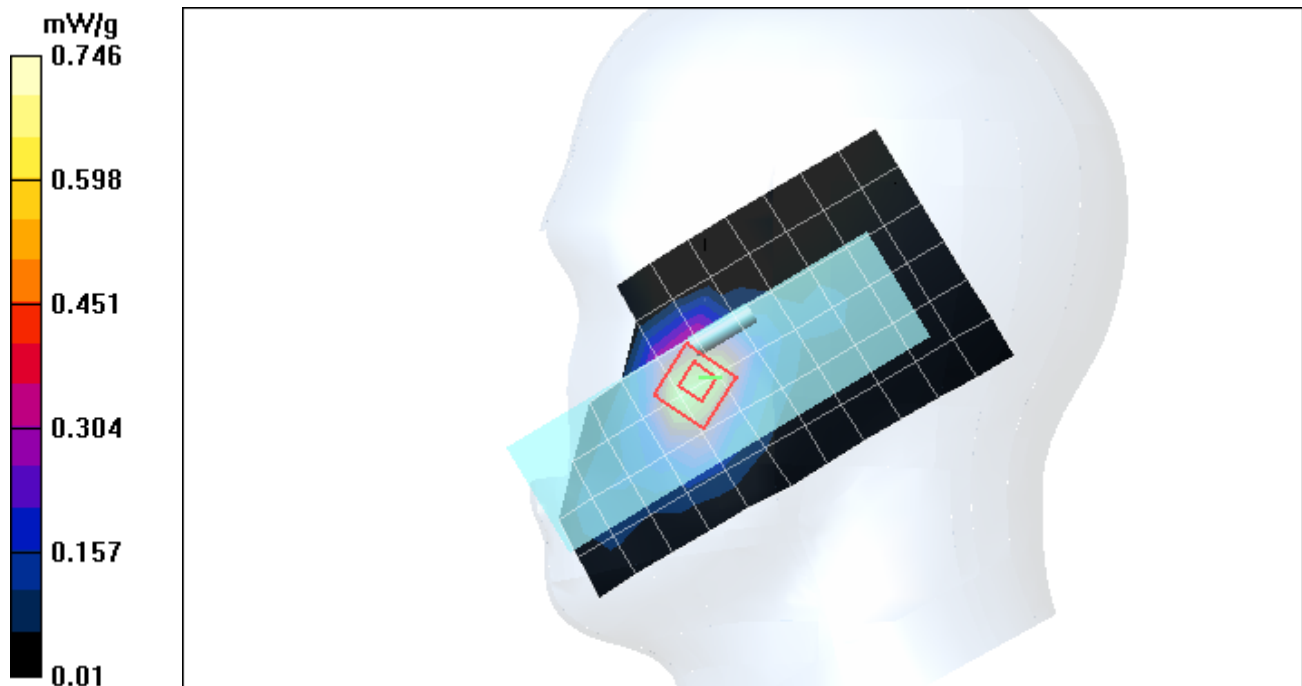
Touch position - Middle Channel 661/Zoom Scan (7x7x7) (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 5.25 V/m

Peak SAR (extrapolated) = 1.09 W/kg

SAR(1 g) = 0.664 mW/g; SAR(10 g) = 0.370 mW/g

Maximum value of SAR (measured) = 0.746 mW/g



Date/Time: 2005/5/12 17:14:59

Test Laboratory: Advance Data Technology

V5510 PCS1900 Left Head

DUT: Dual Band GSM Mobile Phone ; Type: V5510 ; Test Frequency: 1909.8 MHz

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

Phantom: SAM 12 Medium parameters used: $f = 1909.8 \text{ MHz}$; $\sigma = 1.43 \text{ mho/m}$; $\epsilon_r = 38.2$; $\rho = 1000 \text{ kg/m}^3$; Liquid level: 150mm

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

Antenna type : External Antenna ; Air temp. : 22.0 degrees ; Liquid temp. : 21.0 degrees

DASY4 Configuration:

- Probe: ET3DV6 - SN1531; ConvF(5.19, 5.19, 5.19) ; Calibrated: 2004/11/19
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn579; Calibrated: 2005/3/23
- Phantom: SAM 12; Type: SAM V4.0; Serial: TP 1202
- Measurement SW: DASY4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 146

Touch position - High Channel 810/Area Scan (7x13x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

Maximum value of SAR (measured) = 0.691 mW/g

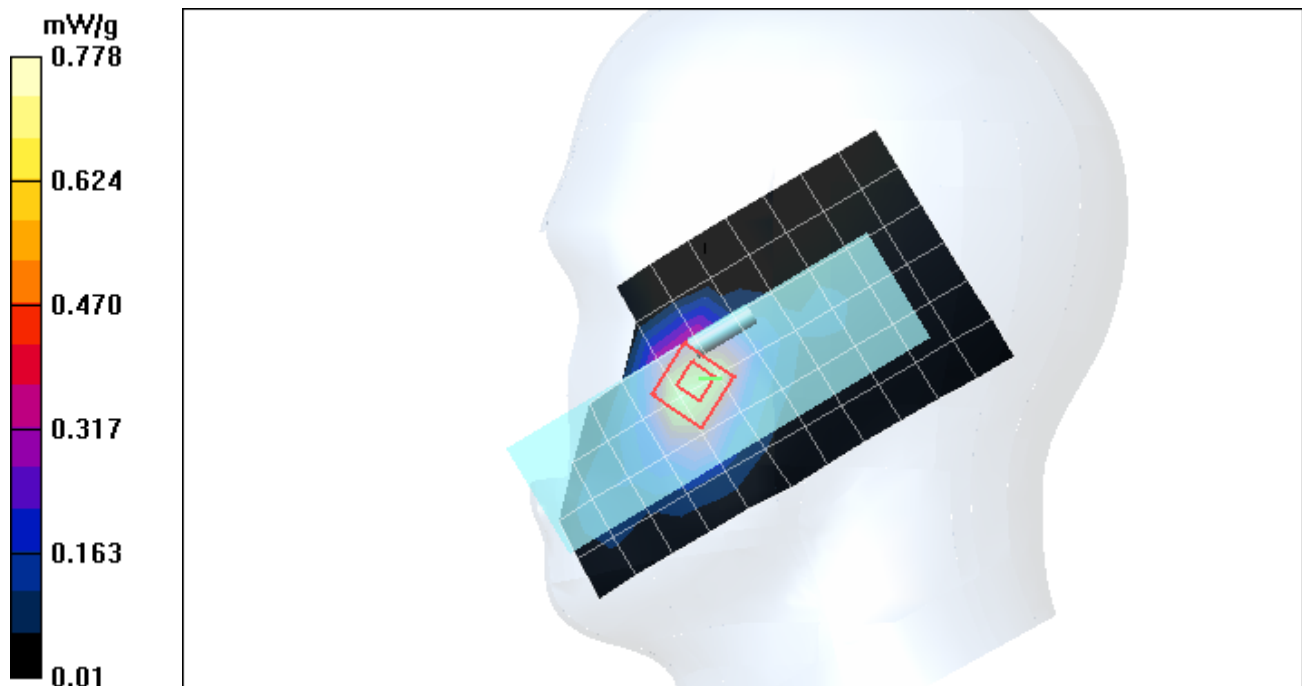
Touch position - High Channel 810/Zoom Scan (7x7x7) (7x7x7)/Cube 0: Measurement grid: $dx=5\text{mm}$, $dy=5\text{mm}$, $dz=5\text{mm}$

Reference Value = 5.32 V/m

Peak SAR (extrapolated) = 1.15 W/kg

SAR(1 g) = 0.692 mW/g; SAR(10 g) = 0.384 mW/g

Maximum value of SAR (measured) = 0.778 mW/g



Date/Time: 2005/5/12 17:45:18

Test Laboratory: Advance Data Technology

V5510 PCS1900 Left Head

DUT: Dual Band GSM Mobile Phone ; Type: V5510 ; Test Channel 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; $\sigma = 1.37$ mho/m; $\epsilon_r = 38.5$; $\rho = 1000$ kg/m³ ; Liquid level: 150 mm

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

Antenna type : External Antenna ; Air temp. : 22.0 degrees ; Liquid temp. : 21.0 degrees

DASY4 Configuration:

- Probe: ET3DV6 - SN1531 ; ConvF(5.19, 5.19, 5.19) ; Calibrated: 2004/11/19
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn579; Calibrated: 2005/3/23
- Phantom: SAM 12; Type: SAM V4.0; Serial: TP 1202
- Measurement SW: DASY4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 146

Tilt position - Low Channel 512/Area Scan (7x13x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 0.158 mW/g

Tilt position - Low Channel 512/Zoom Scan (7x7x7) (7x7x7)/Cube 0: Measurement grid:

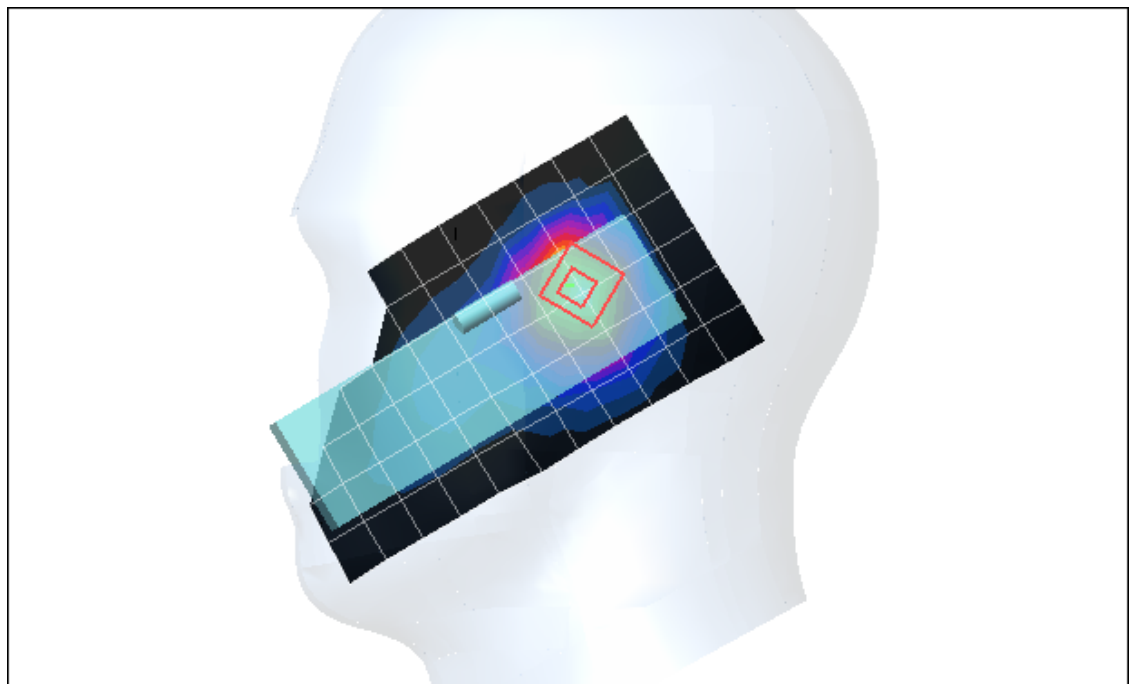
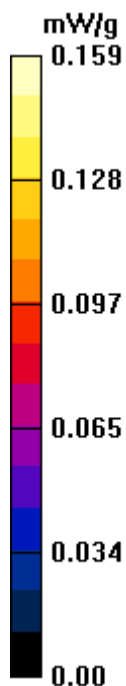
dx=5mm, dy=5mm, dz=5mm

Reference Value = 8.72 V/m

Peak SAR (extrapolated) = 0.214 W/kg

SAR(1 g) = 0.148 mW/g; SAR(10 g) = 0.091 mW/g

Maximum value of SAR (measured) = 0.159 mW/g



Date/Time: 2005/5/12 18:08:08

Test Laboratory: Advance Data Technology

V5510 PCS1900 Left Head

DUT: Dual Band GSM Mobile Phone ; Type: V5510 ; Test Channel Frequency: 1880 MHz

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

Medium: HSL1900 Medium parameters used: $f = 1880 \text{ MHz}$; $\sigma = 1.4 \text{ mho/m}$; $\epsilon_r = 38.4$; $\rho = 1000 \text{ kg/m}^3$;

Liquid level: 150 mm

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

Antenna type : External Antenna ; Air temp. : 22.0 degrees ; Liquid temp. : 21.0 degrees

DASY4 Configuration:

- Probe: ET3DV6 - SN1531 ; ConvF(5.19, 5.19, 5.19) ; Calibrated: 2004/11/19

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

- Electronics: DAE3 Sn579; Calibrated: 2005/3/23

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

- Measurement SW: DASY4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 146

Tilt position - Middle Channel 661/Area Scan (7x13x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

Maximum value of SAR (measured) = 0.151 mW/g

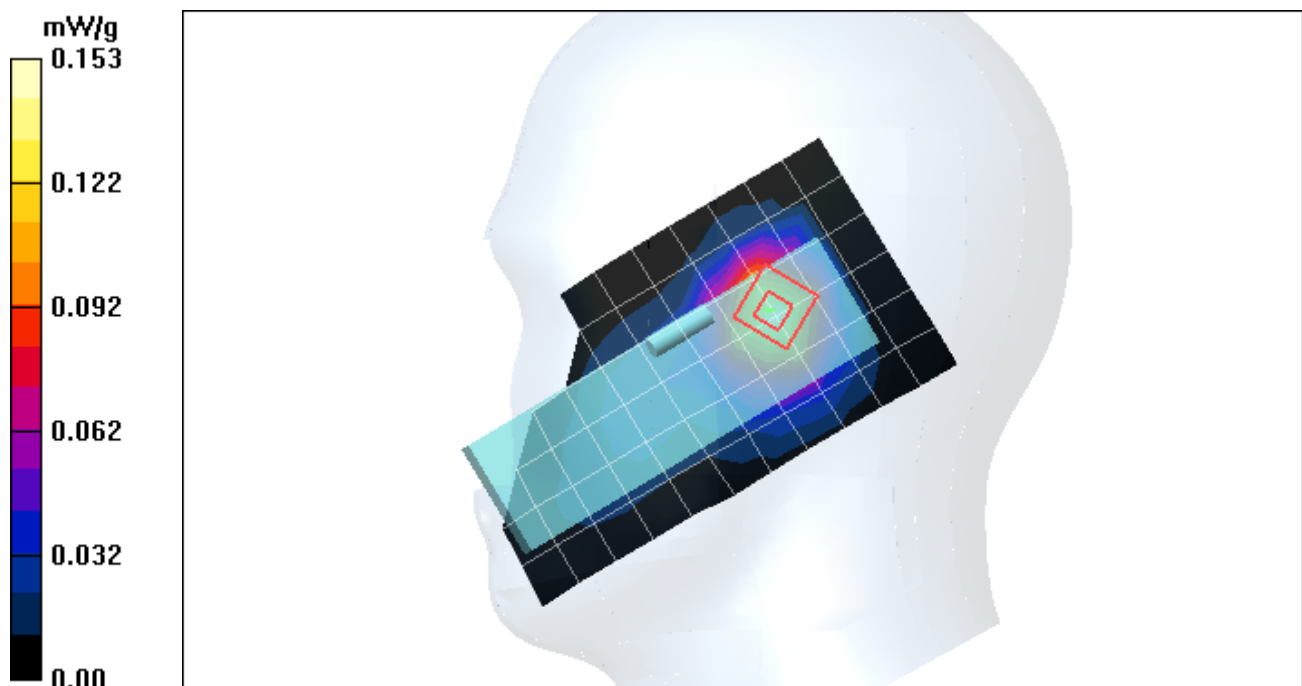
Tilt position - Middle Channel 661/Zoom Scan (7x7x7) (7x7x7)/Cube 0: Measurement grid: $dx=5\text{mm}$, $dy=5\text{mm}$, $dz=5\text{mm}$

Reference Value = 8.41 V/m

Peak SAR (extrapolated) = 0.204 W/kg

SAR(1 g) = 0.140 mW/g; SAR(10 g) = 0.085 mW/g

Maximum value of SAR (measured) = 0.153 mW/g



Date/Time: 2005/5/12 18:31:35

Test Laboratory: Advance Data Technology

V5510 PCS1900 Left Head

DUT: Dual Band GSM Mobile Phone ; Type: V5510 ; Test Channel Frequency: 1909.8 MHz

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

Medium: HSL1900 Medium parameters used: $f = 1909.8 \text{ MHz}$; $\sigma = 1.43 \text{ mho/m}$; $\epsilon_r = 38.2$; $\rho = 1000 \text{ kg/m}^3$; Liquid level: 150 mm

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

Antenna type : External Antenna ; Air temp. : 22.0 degrees ; Liquid temp. : 21.0 degrees

DASY4 Configuration:

- Probe: ET3DV6 - SN1531 ; ConvF(5.19, 5.19, 5.19) ; Calibrated: 2004/11/19

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

- Electronics: DAE3 Sn579; Calibrated: 2005/3/23

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

- Measurement SW: DASY4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 146

Tilt position - High Channel 810/Area Scan (7x13x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

Maximum value of SAR (measured) = 0.151 mW/g

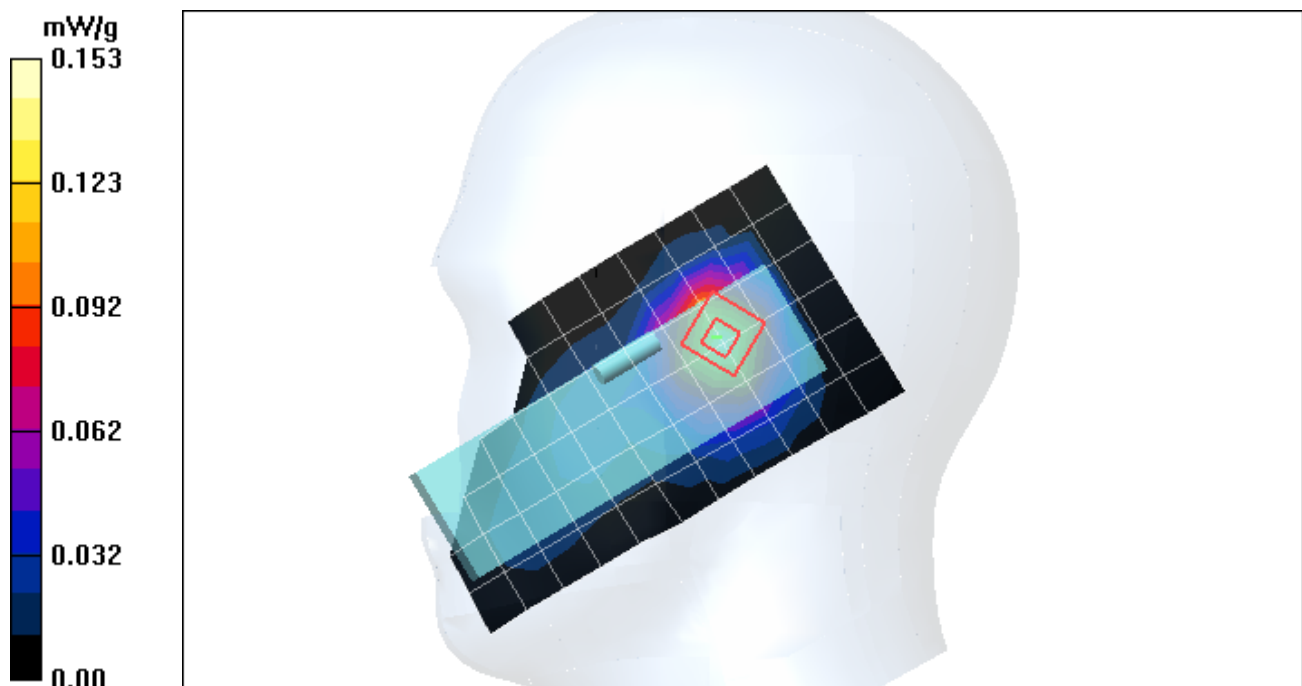
Tilt position - High Channel 810/Zoom Scan (7x7x7) (7x7x7)/Cube 0: Measurement grid: $dx=5\text{mm}$, $dy=5\text{mm}$, $dz=5\text{mm}$

Reference Value = 8.29 V/m

Peak SAR (extrapolated) = 0.208 W/kg

SAR(1 g) = 0.142 mW/g; SAR(10 g) = 0.085 mW/g

Maximum value of SAR (measured) = 0.153 mW/g



Date/Time: 2005/5/13 10:05:44

Test Laboratory: Advance Data Technology

System Validation Check-HSL 850MHz 2005-05-13

DUT: Dipole 900 MHz ; Type: D900V2 ; Serial: 191 ; Test Frequency: 900 MHz

Communication System: CW ; Frequency: 900 MHz; Duty Cycle: 1:1; Modulation type: CW

Medium: HSL850;Medium parameters used: $f = 900 \text{ MHz}$; $\sigma = 0.968 \text{ mho/m}$; $\epsilon_r = 42.8$; $\rho = 1000 \text{ kg/m}^3$;

Liquid level : 150 mm

Phantom section: Flat Section ; Separation distance : 15 mm (The feetpoint of the dipole to the Phantom)Air temp. : 22.0 degrees ; Liquid temp. : 21.0 degrees

DASY4 Configuration:

- Probe: ET3DV6 - SN1531 ; ConvF(6.19, 6.19, 6.19) ; Calibrated: 2004/11/19
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn579; Calibrated: 2005/3/23
- Phantom: SAM 12; Type: SAM V4.0; Serial: TP 1202
- Measurement SW: DASY4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 146

d=15mm, Pin=250mW/Area Scan (7x9x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 2.65 mW/g

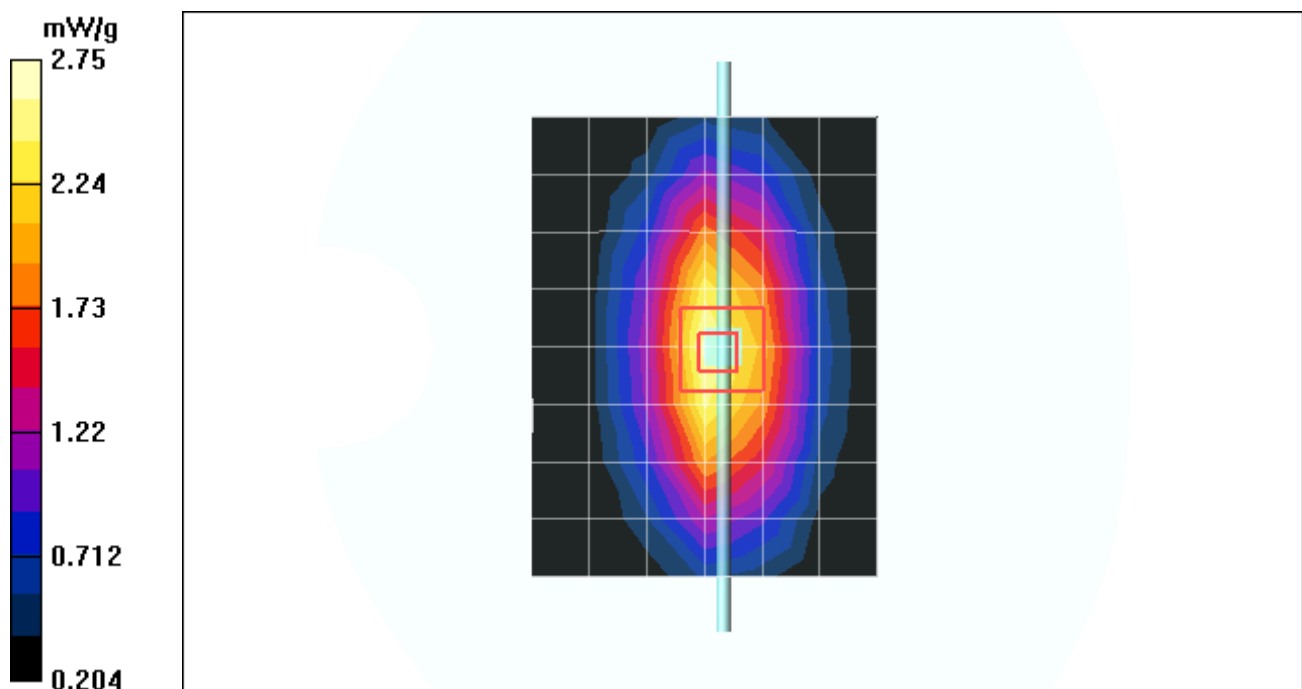
d=15mm, Pin=250mW/Zoom Scan (7x7x7) (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 55.3 V/m; Power Drift = -0.016 dB

Peak SAR (extrapolated) = 3.80 W/kg

SAR(1 g) = 2.53 mW/g; SAR(10 g) = 1.62 mW/g

Maximum value of SAR (measured) = 2.75 mW/g



Date/Time: 2005/5/12 12:19:20

Test Laboratory: Advance Data Technology

System Validation Check HSL 1900MHz 2005-05-12

DUT: Dipole 1900 MHz ; Type: D1900V2 ; Serial: D1900V2 - SN:5d036 ; Test Frequency: 1900 MHz

Communication System: CW ; Frequency: 1900 MHz; Duty Cycle: 1:1; Modulation type: CW
Medium: HSL1900; Medium parameters used: $f = 1900$ MHz; $\sigma = 1.42$ mho/m; $\epsilon_r = 38.3$; $\rho = 1000$ kg/m³ ; Liquid level : 150 mm

Phantom section: Flat Section ; Separation distance : 10 mm (The feetpoint of the dipole to the Phantom) Air temp. : 22.0 degrees ; Liquid temp. : 21.0 degrees

DASY4 Configuration:

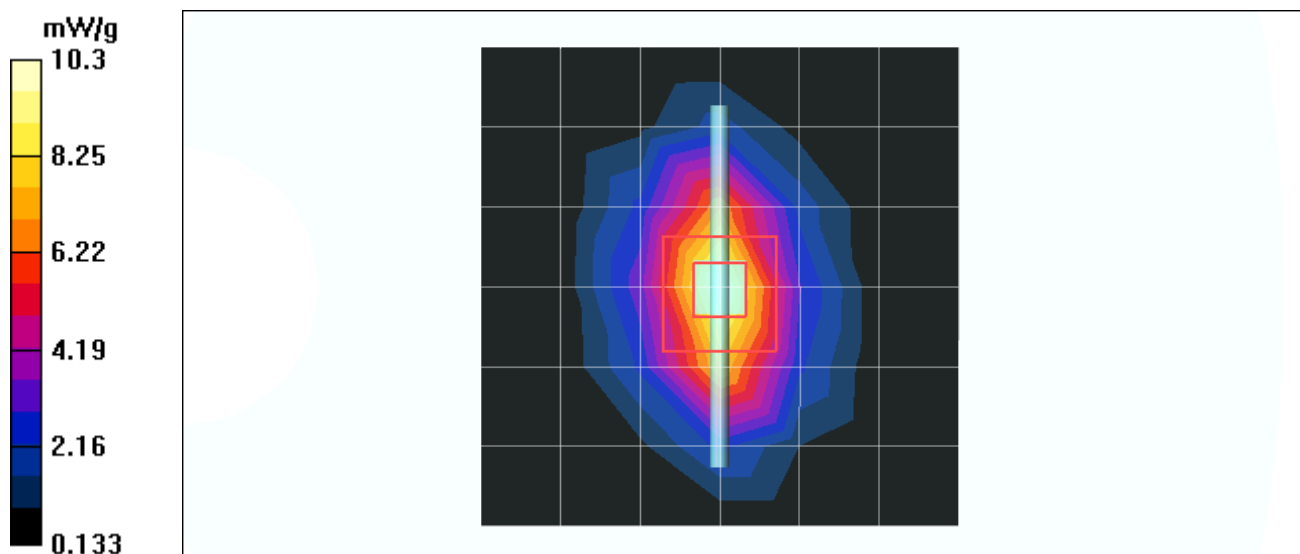
- Probe: ET3DV6 - SN1531 ; ConvF(5.19, 5.19, 5.19) ; Calibrated: 2004/11/19
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn579; Calibrated: 2005/3/23
- Phantom: SAM 12; Type: SAM V4.0; Serial: TP 1202
- Measurement SW: DASY4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 146

d=10mm, Pin=250mW/Area Scan (7x7x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 10.3 mW/g

d=10mm, Pin=250mW/Zoom Scan (7x7x7) (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 90.3 V/m; Power Drift = -0.015 dB

Peak SAR (extrapolated) = 16.2 W/kg

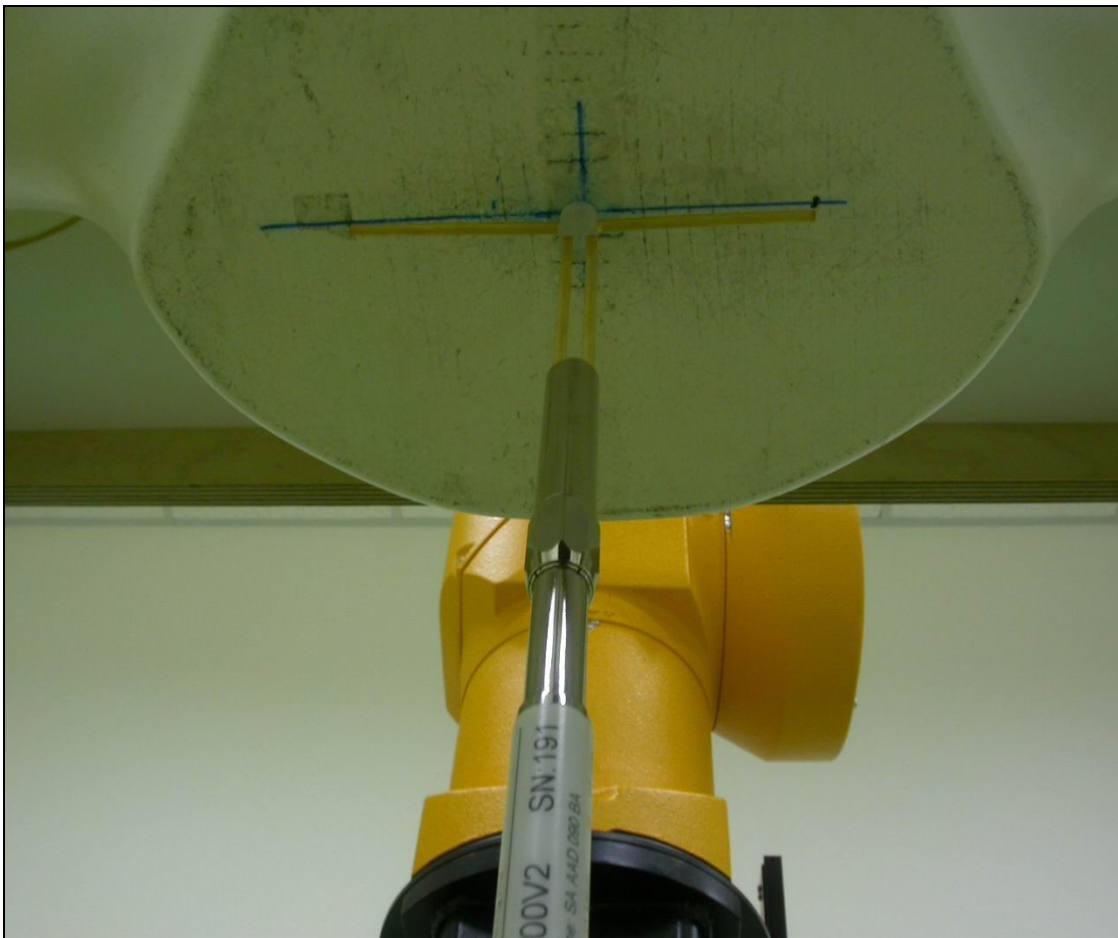
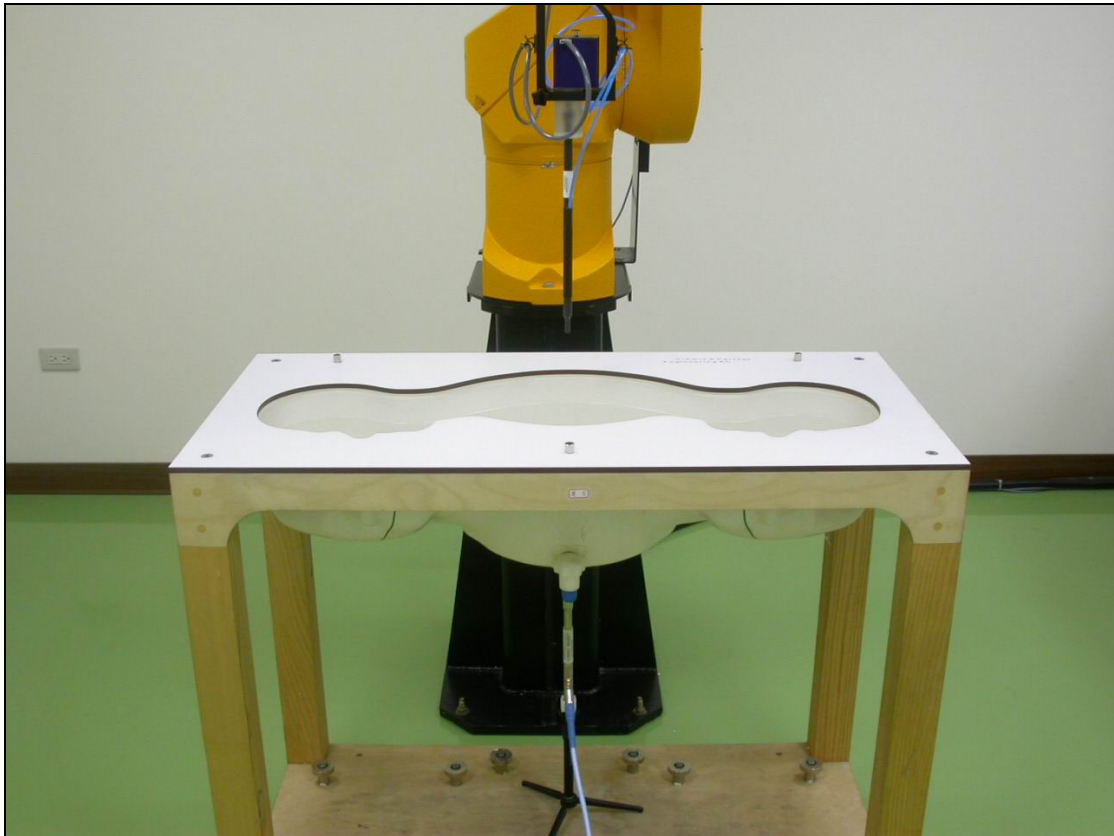
SAR(1 g) = **9.09** mW/g; SAR(10 g) = **4.73** mW/g



APPENDIX B: ADT SAR MEASUREMENT SYSTEM



APPENDIX C: PHOTOGRAPHS OF SYSTEM VALIDATION



APPENDIX C: PHOTOGRAPHS OF SYSTEM VALIDATION

