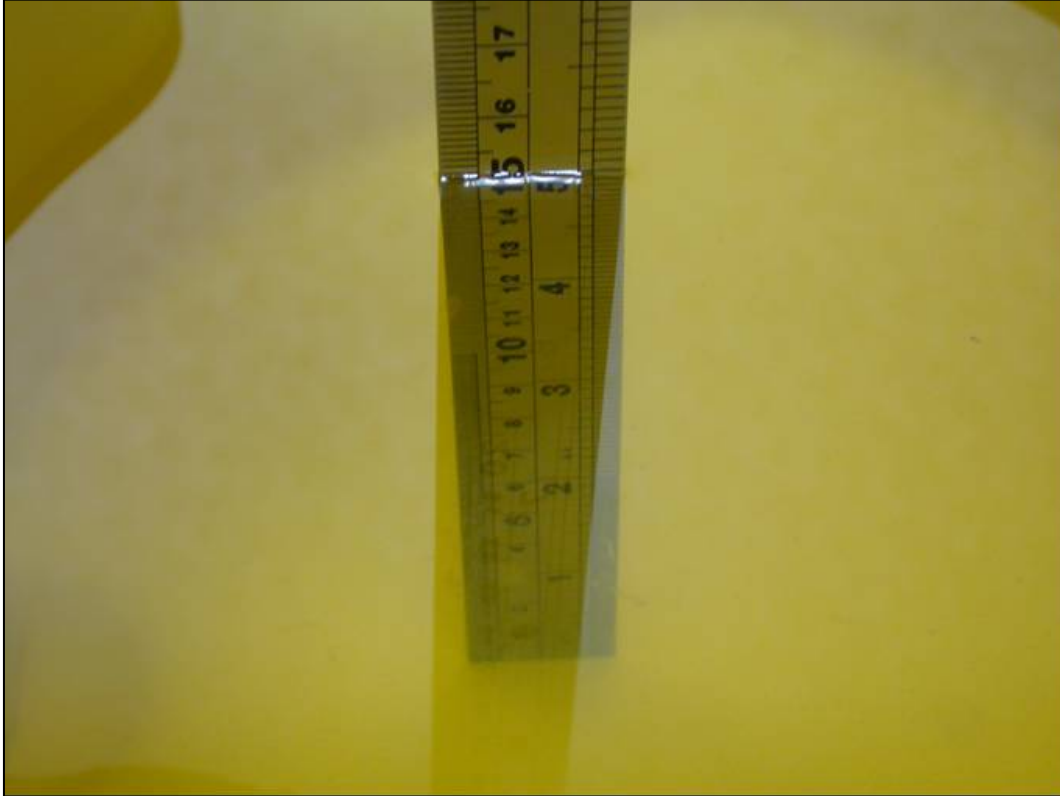


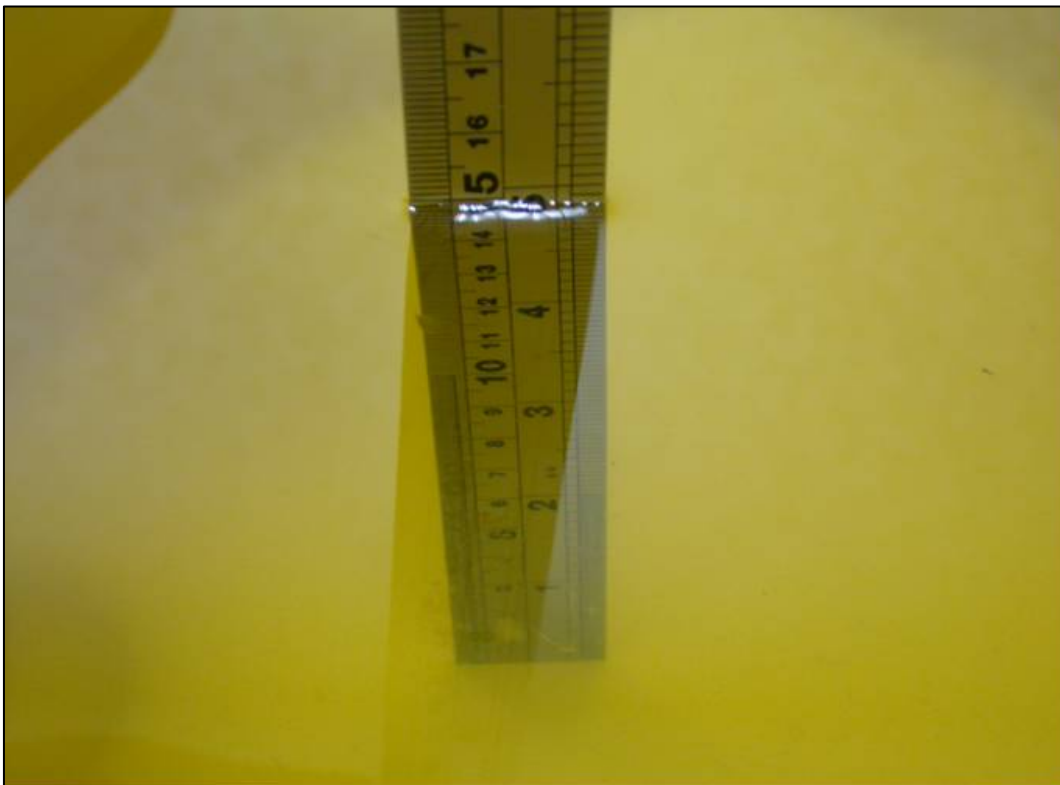
## APPENDIX A: TEST DATA

### Liquid Level Photo

HSL 835MHz D=152mm



MSL 835MHz D=150mm



**HSL 1900MHz D=155mm**



**MSL 1900MHz D=151mm**



**HSL 1900MHz D=150mm**



**MSL 1900MHz D=152mm**



**HSL 2450MHz D=150mm**



**MSL 2450MHz D=155mm**



Test Laboratory: Advance Data Technology

## Right Head-Cheek-GSM850-CH251-Mode 1

**DUT: Pocket PC Phone ; Type: HERM100 ; 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/m<sup>3</sup> ;

Liquid level: 152 mm

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

Antenna type : monopole Antenna ; Air temp. : 22.8 degrees ; Liquid temp. : 21.9 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 Sn579; Calibrated: 2006/3/15

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

- Measurement SW: DASY4, V4.7 Build 44; Postprocessing SW: SEMCAD, V1.8 Build 171

**Touch position - High Channel 251/Area Scan (7x10x1):** Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 0.370 mW/g

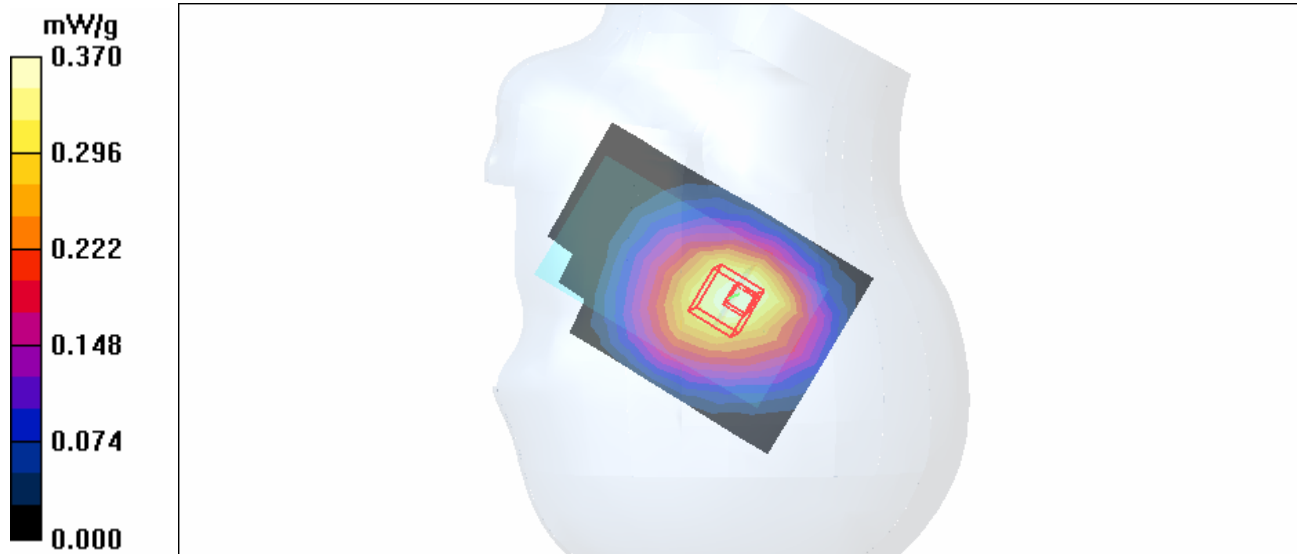
**Touch position - High Channel 251/Zoom Scan (7x7x7) (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 16.5 V/m

Peak SAR (extrapolated) = 0.498 W/kg

**SAR(1 g) = 0.348 mW/g; SAR(10 g) = 0.249 mW/g**

Maximum value of SAR (measured) = 0.369 mW/g



Test Laboratory: Advance Data Technology

**Body Worn-Keypad Down-GPRS850-CH251-Mode 2****DUT: Pocket PC Phone ; Type: HERM100 ; Test Frequency: 848.8 MHz**

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

Medium: MSL835 Medium parameters used:  $f = 848.8$  MHz;  $\sigma = 0.95$  mho/m;  $\epsilon_r = 53.9$ ;  $\rho = 1000$  kg/m<sup>3</sup> ; Liquid Level : 150 mmPhantom section: Flat Section ; DUT test position : Body ; Modulation Type: GMSK / UL 2 time slots  
Separation Distance : 0 mm ( The bottom side of the EUT to the Phantom)

Antenna Type : monopole Antenna ; Air Temp. : 22.2 degrees ; Liquid Temp. : 21.1 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 Sn579 ; Calibrated: 2006/3/15

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

- Measurement SW: DASY4, V4.7 Build 44 ; Postprocessing SW: SEMCAD, V1.8 Build 171

**High Channel 251/Area Scan (7x10x1):** Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 0.593 mW/g

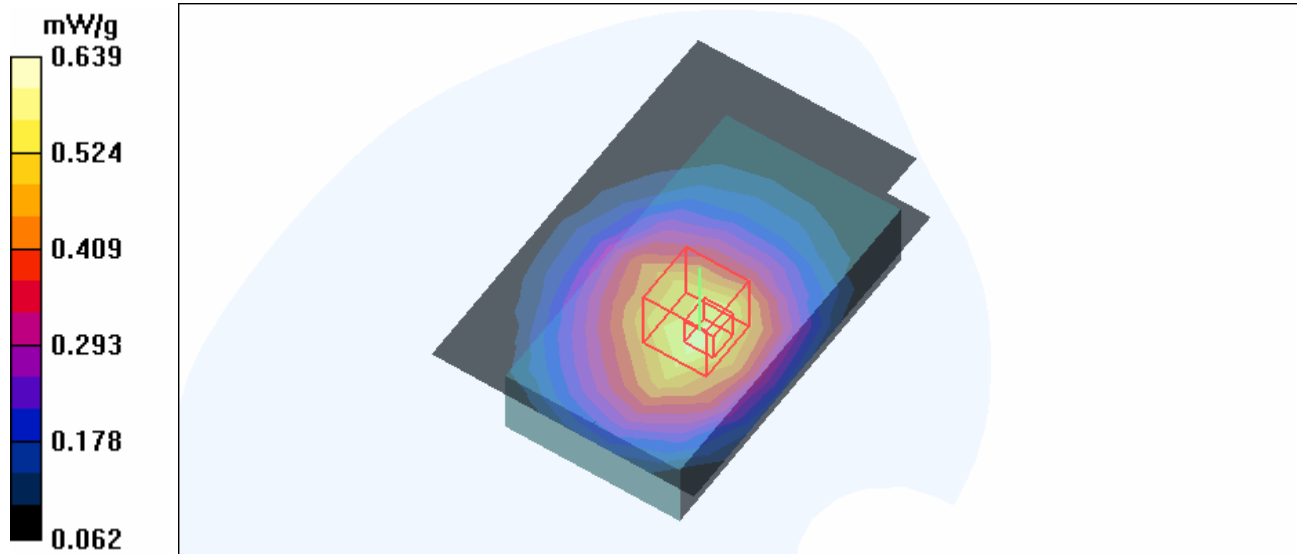
**High Channel 251/Zoom Scan (7x7x7) (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 15.8 V/m

Peak SAR (extrapolated) = 0.852 W/kg

**SAR(1 g) = 0.599 mW/g; SAR(10 g) = 0.415 mW/g**

Maximum value of SAR (measured) = 0.639 mW/g



Test Laboratory: Advance Data Technology

### Left Head-Tilt-PCS1900-CH512-Mode 3

**DUT: Pocket PC Phone ; Type: HERM100 ; Test Frequency: 1850.2 MHz**

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

Medium: HSL1900 Medium parameters used:  $f = 1850.2 \text{ MHz}$ ;  $\sigma = 1.35 \text{ mho/m}$ ;  $\epsilon_r = 40.9$ ;  $\rho = 1000 \text{ kg/m}^3$  ; Liquid level: 155 mm

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

Antenna type : monopole Antenna ; Air temp. : 22.5 degrees ; Liquid temp. : 21.3 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 Sn579; Calibrated: 2006/3/15
- Phantom: SAM 12; Type: SAM V4.0; Serial: TP 1202
- Measurement SW: DASY4, V4.7 Build 44; Postprocessing SW: SEMCAD, V1.8 Build 171

**Tilt position - Low Channel 512/Area Scan (7x10x1):** Measurement grid:  $dx=15\text{mm}$ ,  $dy=15\text{mm}$   
 Maximum value of SAR (measured) = 0.569 mW/g

**Tilt 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 = 17.9 V/m  
 Peak SAR (extrapolated) = 1.02 W/kg  
**SAR(1 g) = 0.593 mW/g; SAR(10 g) = 0.338 mW/g**  
 Maximum value of SAR (measured) = 0.656 mW/g



Test Laboratory: Advance Data Technology

**Body Worn-Keypad Down-GPRS1900-CH512-Mode 4**

**DUT: Pocket PC Phone ; Type: HERM100 ; Test Frequency: 1850.2 MHz**

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

Medium: MSL1900 Medium parameters used:  $f = 1850.2$  MHz;  $\sigma = 1.5$  mho/m;  $\epsilon_r = 54.5$ ;  $\rho = 1000$  kg/m<sup>3</sup> ; Liquid Level : 151 mm

Phantom section: Flat Section ; DUT test position : Body ; Modulation Type: GMSK / UL 2 time slots  
Separation Distance : 0 mm ( The bottom side of the EUT to the Phantom)

Antenna Type : monopole Antenna ; Air Temp. : 22.7 degrees ; Liquid Temp. : 21.7 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 Sn579 ; Calibrated: 2006/3/15
- Phantom: SAM 12 ; Type: SAM V4.0; Serial: TP 1202
- Measurement SW: DASY4, V4.7 Build 44 ; Postprocessing SW: SEMCAD, V1.8 Build 171

**Low Channel 512/Area Scan (7x10x1):** Measurement grid: dx=15mm, dy=15mm

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

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

Reference Value = 16.3 V/m

Peak SAR (extrapolated) = 0.766 W/kg

**SAR(1 g) = 0.443 mW/g; SAR(10 g) = 0.287 mW/g**

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

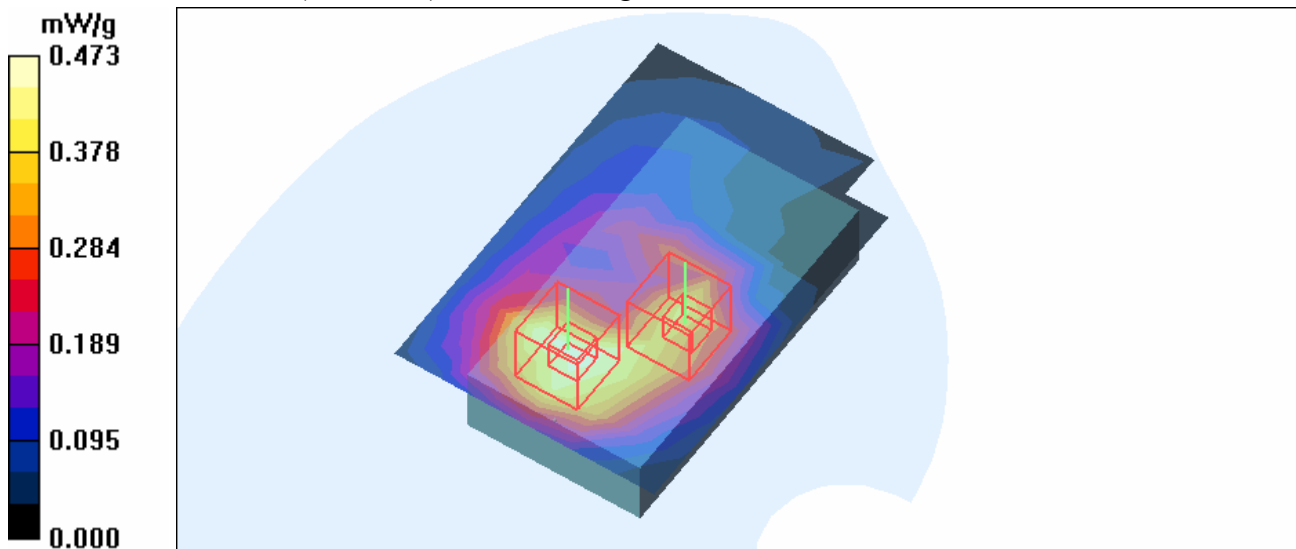
**Low Channel 512/Zoom Scan (7x7x7) (7x7x7)/Cube 1:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 16.3 V/m

Peak SAR (extrapolated) = 0.741 W/kg

**SAR(1 g) = 0.414 mW/g; SAR(10 g) = 0.235 mW/g**

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





Test Laboratory: Advance Data Technology

## Right Head-Cheek-WCDMA1900-CH9262-Mode 5

**DUT: Pocket PC Phone ; Type: HERM100 ; Test Frequency: 1852.4 MHz**

Communication System: WCDMA1900 ; Frequency: 1852.4 MHz ; Duty Cycle: 1:1  
 Medium: HSL1900 Medium parameters used:  $f = 1852.4$  MHz;  $\sigma = 1.35$  mho/m;  $\epsilon_r = 40.9$ ;  $\rho = 1000$  kg/m<sup>3</sup> ; Liquid level: 155 mm  
 Phantom section: Right Section ; DUT test position : Cheek ; Modulation type: BPSK  
 Antenna type : monopole Antenna ; Air temp. : 22.5 degrees ; Liquid temp. : 21.3 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 Sn579; Calibrated: 2006/3/15
- Phantom: SAM 12; Type: SAM V4.0; Serial: TP 1202
- Measurement SW: DASY4, V4.7 Build 44; Postprocessing SW: SEMCAD, V1.8 Build 171

**Touch position - Low Channel 9262/Area Scan (7x10x1):** Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 0.672 mW/g

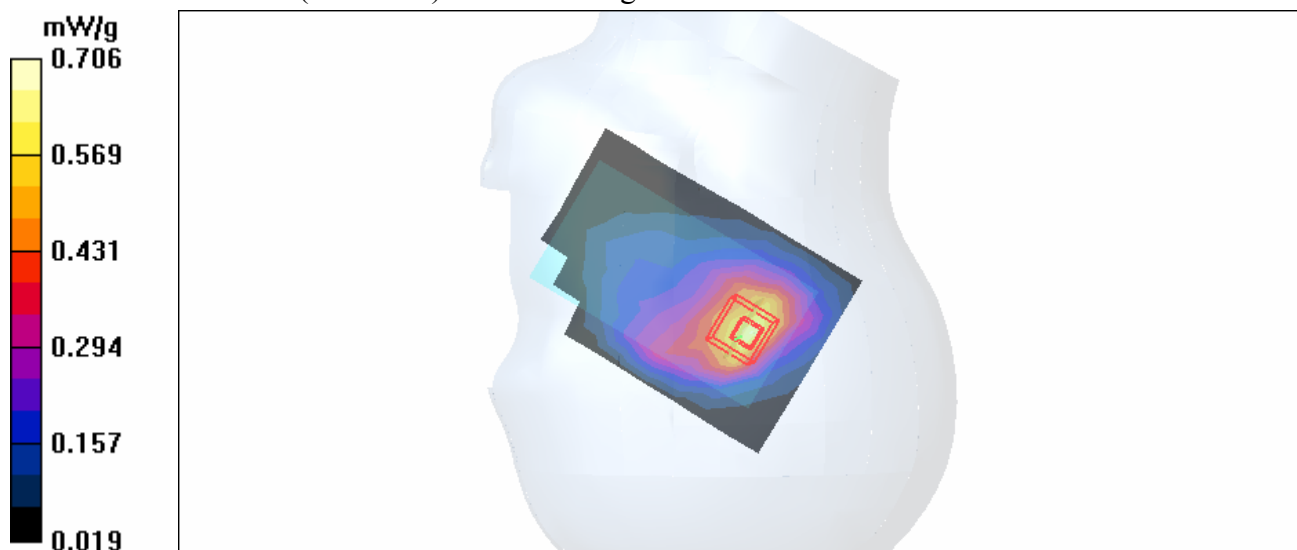
**Touch position - Low Channel 9262/Zoom Scan (7x7x7) (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 24.9 V/m

Peak SAR (extrapolated) = 0.994 W/kg

**SAR(1 g) = 0.644 mW/g; SAR(10 g) = 0.384 mW/g**

Maximum value of SAR (measured) = 0.706 mW/g



Test Laboratory: Advance Data Technology

## Right Head-Cheek-WCDMA1900-CH9400-Mode 5

**DUT: Pocket PC Phone ; Type: HERM100 ; Test Frequency: 1880 MHz**

Communication System: WCDMA1900 ; Frequency: 1880 MHz ; Duty Cycle: 1:1

Medium: HSL1900 Medium parameters used:  $f = 1880$  MHz;  $\sigma = 1.38$  mho/m;  $\epsilon_r = 40.8$ ;  $\rho = 1000$  kg/m<sup>3</sup> ;

Liquid level: 155 mm

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

Antenna type : monopole Antenna ; Air temp. : 22.5 degrees ; Liquid temp. : 21.3 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 Sn579; Calibrated: 2006/3/15

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

- Measurement SW: DASY4, V4.7 Build 44; Postprocessing SW: SEMCAD, V1.8 Build 171

**Touch position - Mid Channel 9400/Area Scan (7x10x1):** Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 0.645 mW/g

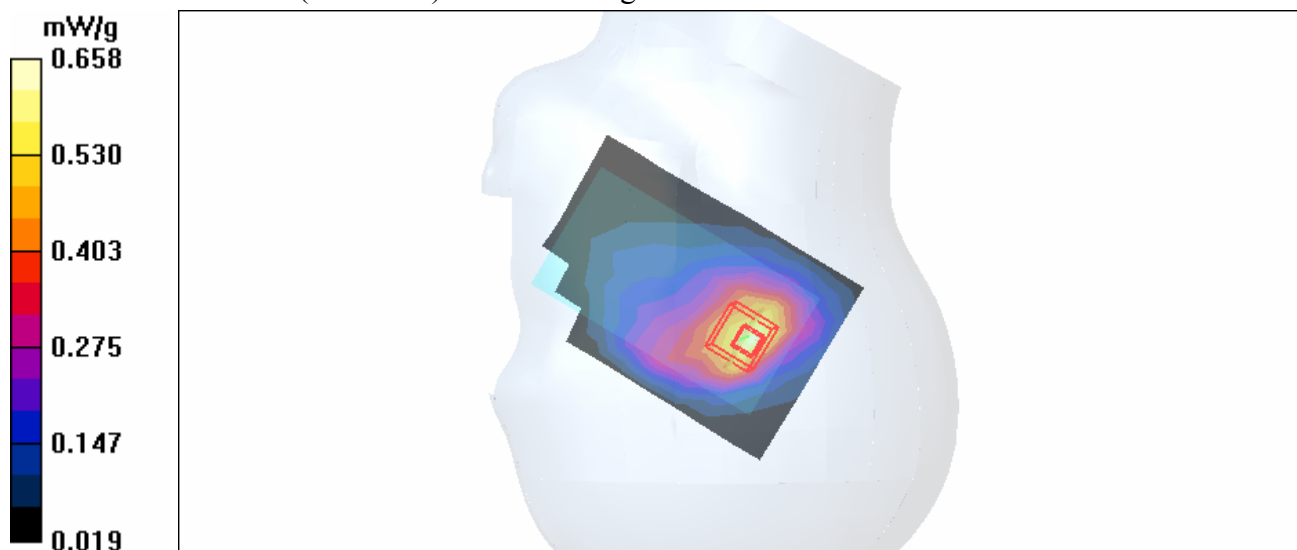
**Touch position - Mid Channel 9400/Zoom Scan (7x7x7) (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 23.8 V/m

Peak SAR (extrapolated) = 0.944 W/kg

**SAR(1 g) = 0.593 mW/g; SAR(10 g) = 0.351 mW/g**

Maximum value of SAR (measured) = 0.658 mW/g



Test Laboratory: Advance Data Technology

### Right Head-Cheek-WCDMA1900-CH9538-Mode 5

**DUT: Pocket PC Phone ; Type: HERM100 ; Test Frequency: 1907.6 MHz**

Communication System: WCDMA1900 ; Frequency: 1907.6 MHz ; Duty Cycle: 1:1  
Medium: HSL1900 Medium parameters used:  $f = 1907.6$  MHz;  $\sigma = 1.42$  mho/m;  $\epsilon_r = 40.7$ ;  $\rho = 1000$  kg/m<sup>3</sup> ; Liquid level: 155 mm  
Phantom section: Right Section ; DUT test position : Cheek ; Modulation type: BPSK  
Antenna type : monopole Antenna ; Air temp. : 22.5 degrees ; Liquid temp. : 21.3 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 Sn579; Calibrated: 2006/3/15
- Phantom: SAM 12; Type: SAM V4.0; Serial: TP 1202
- Measurement SW: DASY4, V4.7 Build 44; Postprocessing SW: SEMCAD, V1.8 Build 171

**Touch position - High Channel 9538/Area Scan (7x10x1):** Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 0.679 mW/g

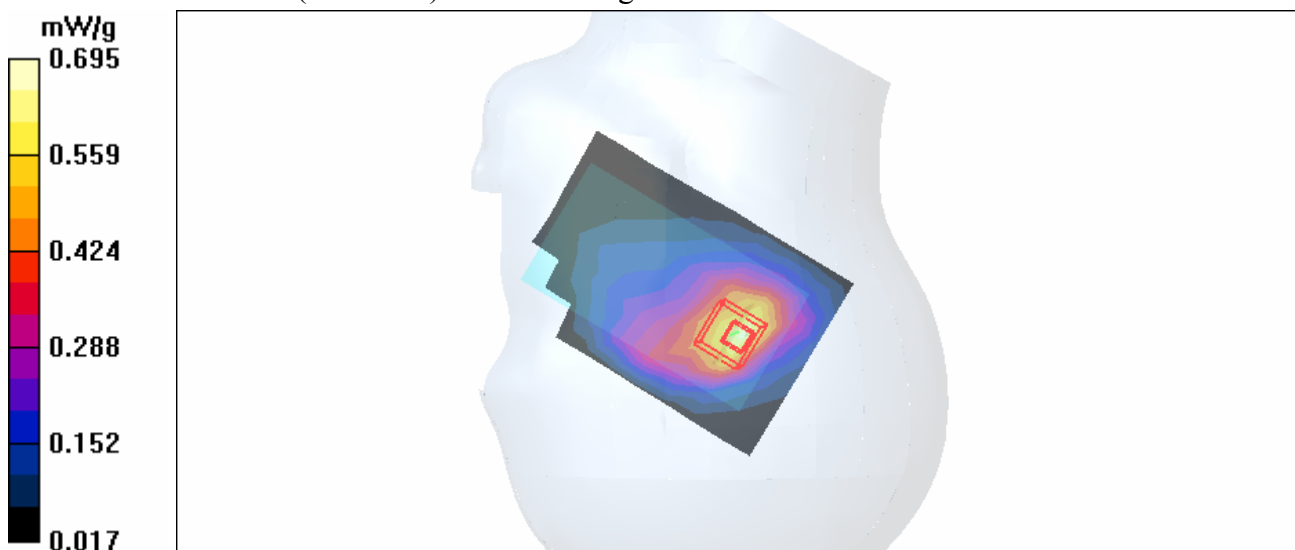
**Touch position - High Channel 9538/Zoom Scan (7x7x7) (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 24.1 V/m

Peak SAR (extrapolated) = 1.00 W/kg

**SAR(1 g) = 0.630 mW/g; SAR(10 g) = 0.369 mW/g**

Maximum value of SAR (measured) = 0.695 mW/g



Test Laboratory: Advance Data Technology

## Right Head-Tilt-WCDMA1900-CH9262-Mode 6

**DUT: Pocket PC Phone ; Type: HERM100 ; Test Frequency: 1852.4 MHz**

Communication System: WCDMA1900 ; Frequency: 1852.4 MHz; Duty Cycle: 1:1  
 Medium: HSL1900 Medium parameters used:  $f = 1852.4$  MHz;  $\sigma = 1.35$  mho/m;  $\epsilon_r = 40.9$ ;  $\rho = 1000$  kg/m<sup>3</sup> ; Liquid level: 155 mm  
 Phantom section: Right Section ; DUT test position : Tilt ; Modulation type: BPSK  
 Antenna type : monopole Antenna ; Air temp. : 22.5 degrees ; Liquid temp. : 21.3 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 Sn579; Calibrated: 2006/3/15
- Phantom: SAM 12; Type: SAM V4.0; Serial: TP 1202
- Measurement SW: DASY4, V4.7 Build 44; Postprocessing SW: SEMCAD, V1.8 Build 171

**Tilt position - Low Channel 9262/Area Scan (7x10x1):** Measurement grid: dx=15mm, dy=15mm

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

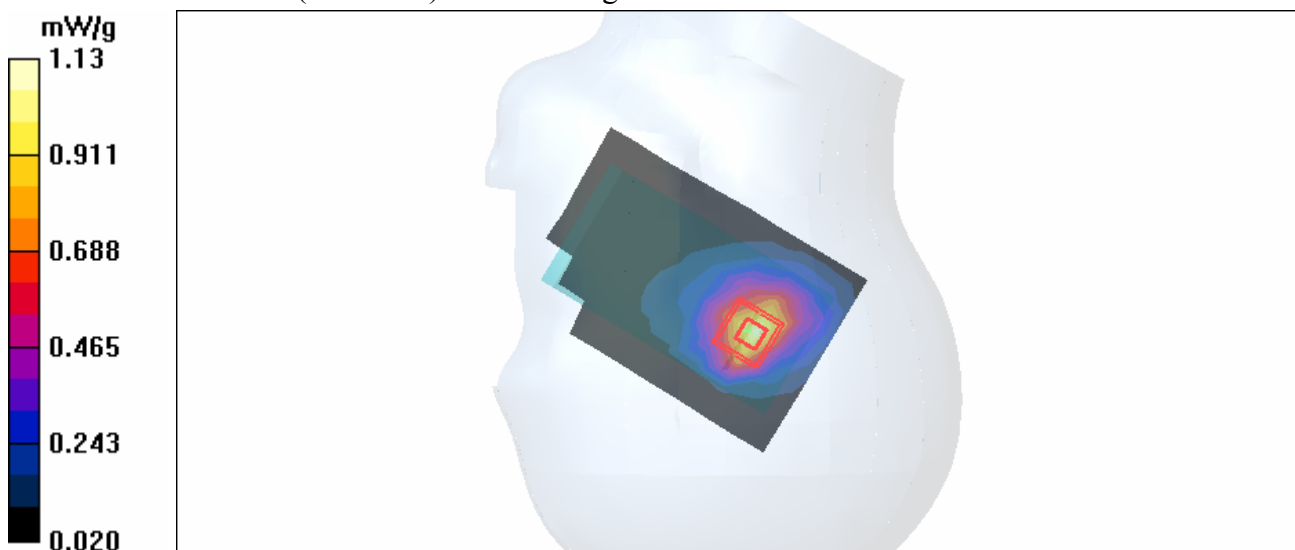
**Tilt position - Low Channel 9262/Zoom Scan (7x7x7) (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 32.8 V/m

Peak SAR (extrapolated) = 1.61 W/kg

**SAR(1 g) = 1.02 mW/g; SAR(10 g) = 0.574 mW/g**

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



Test Laboratory: Advance Data Technology

## Right Head-Tilt-WCDMA1900-CH9400-Mode 6

**DUT: Pocket PC Phone ; Type: HERM100 ; Test Frequency: 1880 MHz**

Communication System: WCDMA1900 ; Frequency: 1880 MHz; Duty Cycle: 1:1

Medium: HSL1900 Medium parameters used:  $f = 1880$  MHz;  $\sigma = 1.38$  mho/m;  $\epsilon_r = 40.8$ ;  $\rho = 1000$  kg/m<sup>3</sup> ;

Liquid level: 155 mm

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

Antenna type : monopole Antenna ; Air temp. : 22.5 degrees ; Liquid temp. : 21.3 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 Sn579; Calibrated: 2006/3/15

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

- Measurement SW: DASY4, V4.7 Build 44; Postprocessing SW: SEMCAD, V1.8 Build 171

**Tilt position - Mid Channel 9400/Area Scan (7x10x1):** Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 1.00 mW/g

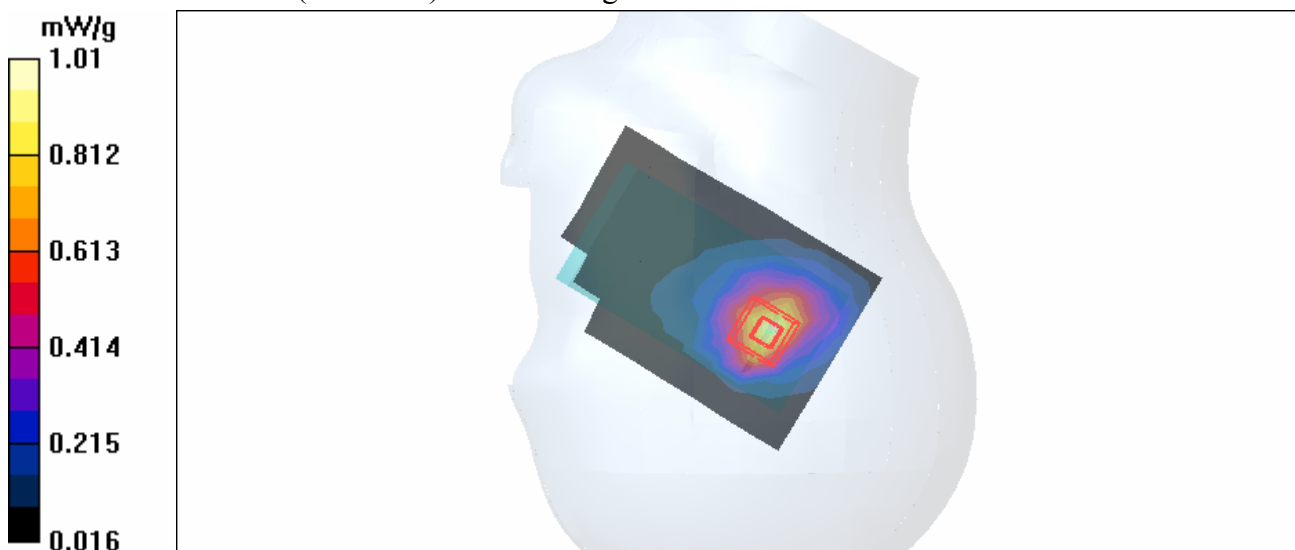
**Tilt position - Mid Channel 9400/Zoom Scan (7x7x7) (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 29.8 V/m

Peak SAR (extrapolated) = 1.48 W/kg

**SAR(1 g) = 0.922 mW/g; SAR(10 g) = 0.513 mW/g**

Maximum value of SAR (measured) = 1.01 mW/g



Test Laboratory: Advance Data Technology

## Right Head-Tilt-WCDMA1900-CH9538-Mode 6

**DUT: Pocket PC Phone ; Type: HERM100 ; Test Frequency: 1907.6 MHz**

Communication System: WCDMA1900 ; Frequency: 1907.6 MHz; Duty Cycle: 1:1  
 Medium: HSL1900 Medium parameters used:  $f = 1907.6$  MHz;  $\sigma = 1.42$  mho/m;  $\epsilon_r = 40.7$ ;  $\rho = 1000$  kg/m<sup>3</sup> ; Liquid level: 155 mm  
 Phantom section: Right Section ; DUT test position : Tilt ; Modulation type: BPSK  
 Antenna type : monopole Antenna ; Air temp. : 22.5 degrees ; Liquid temp. : 21.3 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 Sn579; Calibrated: 2006/3/15
- Phantom: SAM 12; Type: SAM V4.0; Serial: TP 1202
- Measurement SW: DASY4, V4.7 Build 44; Postprocessing SW: SEMCAD, V1.8 Build 171

**Tilt position - High Channel 9538/Area Scan (7x10x1):** Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 1.04 mW/g

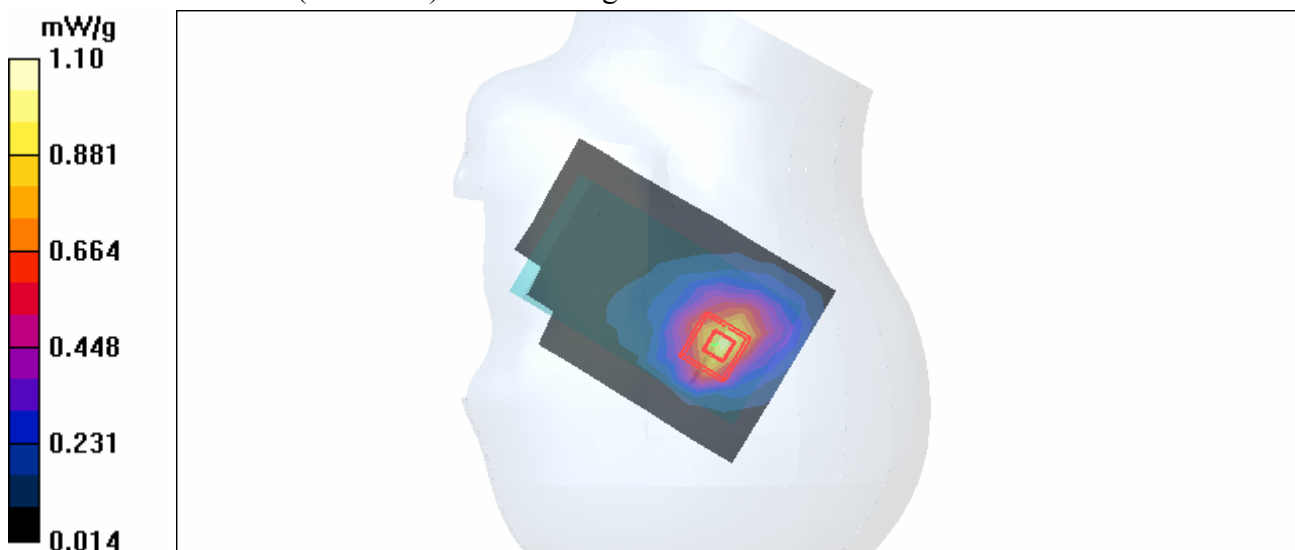
**Tilt position - High Channel 9538/Zoom Scan (7x7x7) (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 30.8 V/m

Peak SAR (extrapolated) = 1.61 W/kg

**SAR(1 g) = 0.985 mW/g; SAR(10 g) = 0.538 mW/g**

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



Test Laboratory: Advance Data Technology

## Left Head-Cheek-WCDMA1900-CH9262-Mode 7

**DUT: Pocket PC Phone ; Type: HERM100 ; Test Frequency: 1852.4 MHz**

Communication System: WCDMA1900 ; Frequency: 1852.4 MHz ; Duty Cycle: 1:1

Medium: HSL1900 Medium parameters used :  $f = 1852.4$  MHz;  $\sigma = 1.35$  mho/m;  $\epsilon_r = 40.9$ ;  $\rho = 1000$  kg/m<sup>3</sup> ; Liquid level: 155 mm

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

Antenna type : monopole Antenna ; Air temp. : 22.5 degrees ; Liquid temp. : 21.3 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 Sn579; Calibrated: 2006/3/15

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

- Measurement SW: DASY4, V4.7 Build 44; Postprocessing SW: SEMCAD, V1.8 Build 171

**Touch position - Low Channel 9262/Area Scan (7x10x1):** Measurement grid: dx=15mm, dy=15mm

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

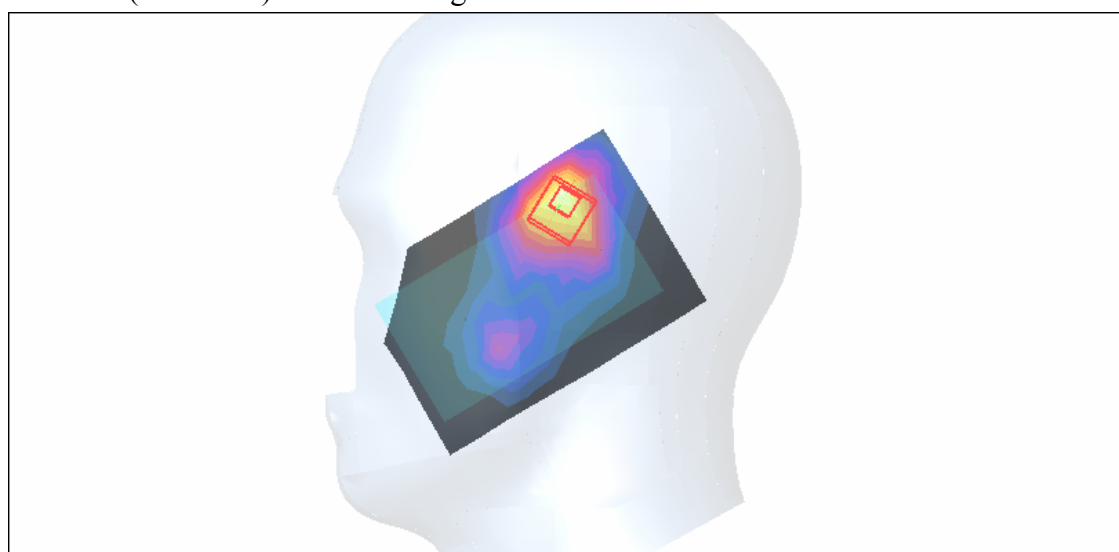
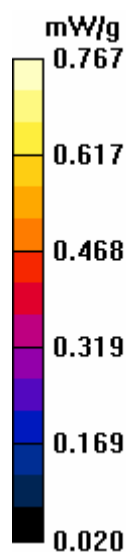
**Touch position - Low Channel 9262/Zoom Scan (7x7x7) (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 19.1 V/m

Peak SAR (extrapolated) = 1.29 W/kg

**SAR(1 g) = 0.710 mW/g; SAR(10 g) = 0.412 mW/g**

Maximum value of SAR (measured) = 0.767 mW/g



Test Laboratory: Advance Data Technology

## Left Head-Cheek-WCDMA1900-CH9400-Mode 7

**DUT: Pocket PC Phone ; Type: HERM100 ; Test Frequency: 1880 MHz**

Communication System: WCDMA1900 ; Frequency: 1880 MHz ; Duty Cycle: 1:1

Medium: HSL1900 Medium parameters used:  $f = 1880$  MHz;  $\sigma = 1.38$  mho/m;  $\epsilon_r = 40.8$ ;  $\rho = 1000$  kg/m<sup>3</sup> ;

Liquid level: 155 mm

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

Antenna type : monopole Antenna ; Air temp. : 22.5 degrees ; Liquid temp. : 21.3 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 Sn579; Calibrated: 2006/3/15

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

- Measurement SW: DASY4, V4.7 Build 44; Postprocessing SW: SEMCAD, V1.8 Build 171

**Touch position - Mid Channel 9400/Area Scan (7x10x1):** Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 0.655 mW/g

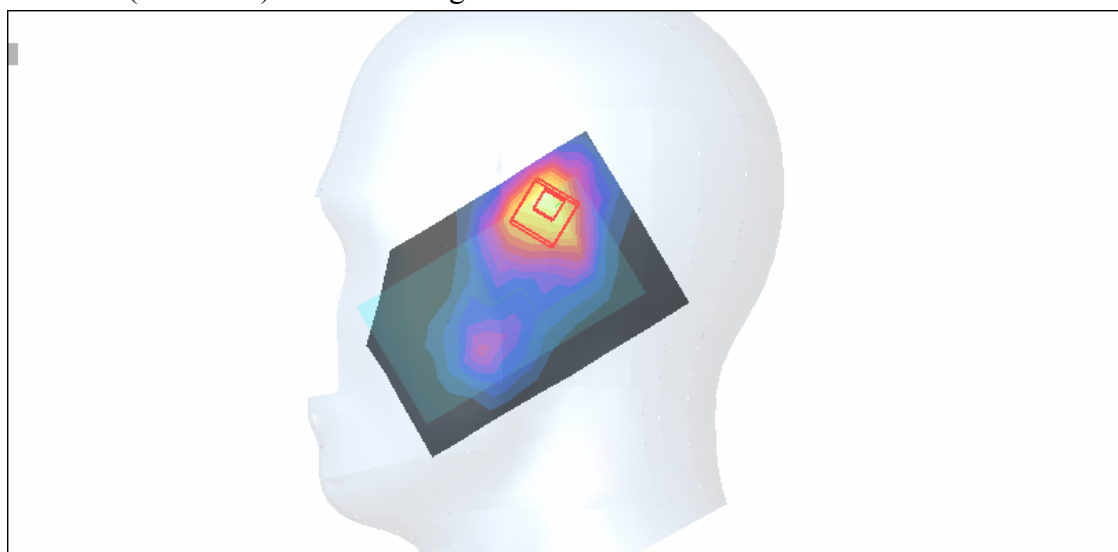
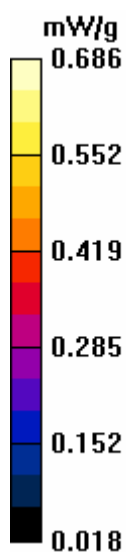
**Touch position - Mid Channel 9400/Zoom Scan (7x7x7) (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 18.2 V/m

Peak SAR (extrapolated) = 1.17 W/kg

**SAR(1 g) = 0.634 mW/g; SAR(10 g) = 0.367 mW/g**

Maximum value of SAR (measured) = 0.686 mW/g





Test Laboratory: Advance Data Technology

## Left Head-Cheek-WCDMA1900-CH9538-Mode 7

**DUT: Pocket PC Phone ; Type: HERM100 ; Test Frequency: 1907.6 MHz**

Communication System: WCDMA1900 ; Frequency: 1907.6 MHz ; Duty Cycle: 1:1  
Medium: HSL1900 Medium parameters used :  $f = 1907.6$  MHz;  $\sigma = 1.42$  mho/m;  $\epsilon_r = 40.7$ ;  $\rho = 1000$  kg/m<sup>3</sup> ; Liquid level: 155 mm  
Phantom section: Left Section ; DUT test position : Cheek ; Modulation type: BPSK  
Antenna type : monopole Antenna ; Air temp. : 22.5 degrees ; Liquid temp. : 21.3 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 Sn579; Calibrated: 2006/3/15
- Phantom: SAM 12; Type: SAM V4.0; Serial: TP 1202
- Measurement SW: DASY4, V4.7 Build 44; Postprocessing SW: SEMCAD, V1.8 Build 171

**Touch position - High Channel 9538/Area Scan (7x10x1):** Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 0.660 mW/g

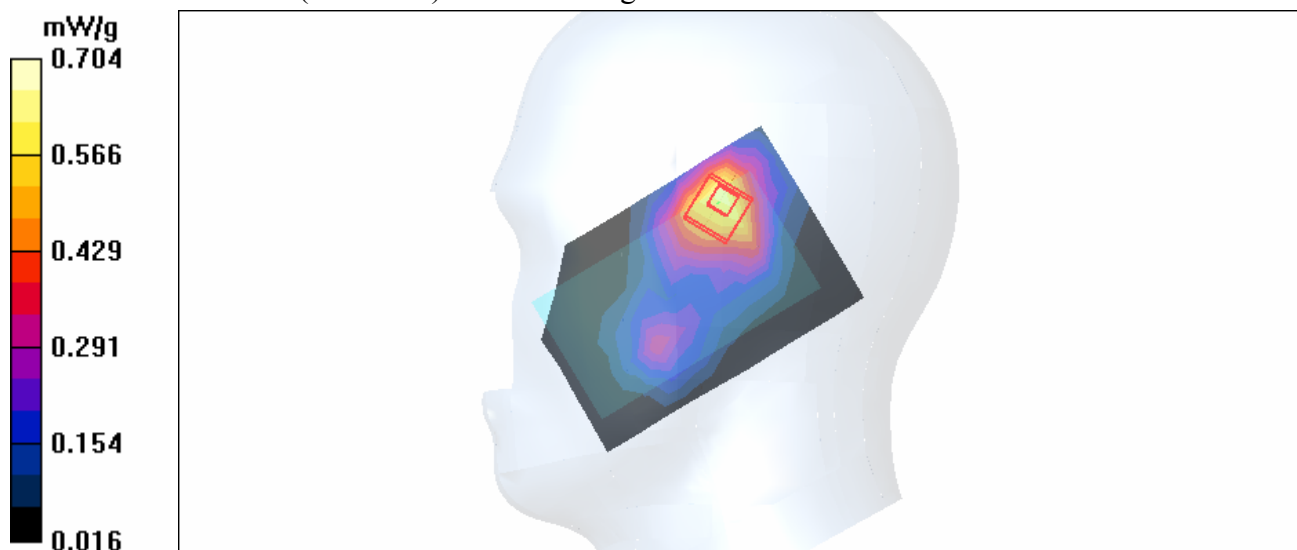
**Touch position - High Channel 9538/Zoom Scan (7x7x7) (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 18.7 V/m

Peak SAR (extrapolated) = 1.21 W/kg

**SAR(1 g) = 0.647 mW/g; SAR(10 g) = 0.372 mW/g**

Maximum value of SAR (measured) = 0.704 mW/g



Test Laboratory: Advance Data Technology

## Left Head-Tilt-WCDMA1900-CH9262-Mode 8

**DUT: Pocket PC Phone ; Type: HERM100 ; Test Frequency: 1852.4 MHz**

Communication System: WCDMA1900 ; Frequency: 1852.4 MHz; Duty Cycle: 1:1  
 Medium: HSL1900 Medium parameters used :  $f = 1852.4 \text{ MHz}$ ;  $\sigma = 1.35 \text{ mho/m}$ ;  $\epsilon_r = 40.9$ ;  $\rho = 1000 \text{ kg/m}^3$  ; Liquid level: 155 mm  
 Phantom section: Left Section ; DUT test position : Tilt ; Modulation type: BPSK  
 Antenna type : monopole Antenna ; Air temp. : 22.5 degrees ; Liquid temp. : 21.3 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 Sn579; Calibrated: 2006/3/15
- Phantom: SAM 12; Type: SAM V4.0; Serial: TP 1202
- Measurement SW: DASY4, V4.7 Build 44; Postprocessing SW: SEMCAD, V1.8 Build 171

**Tilt position - Low Channel 9262/Area Scan (7x10x1):** Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 1.01 mW/g

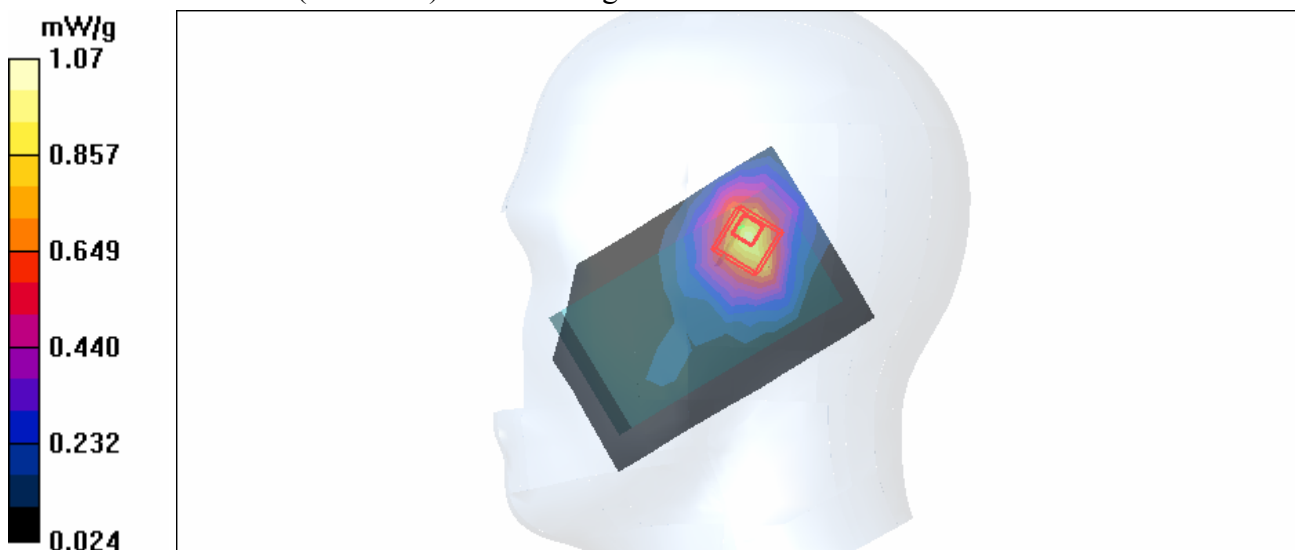
**Tilt position - Low Channel 9262/Zoom Scan (7x7x7) (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 25.6 V/m

Peak SAR (extrapolated) = 1.74 W/kg

**SAR(1 g) = 0.945 mW/g; SAR(10 g) = 0.519 mW/g**

Maximum value of SAR (measured) = 1.07 mW/g



Test Laboratory: Advance Data Technology

## Left Head-Tilt-WCDMA1900-CH9400-Mode 8

**DUT: Pocket PC Phone ; Type: HERM100 ; Test Frequency: 1880 MHz**

Communication System: WCDMA1900 ; Frequency: 1880 MHz; Duty Cycle: 1:1

Medium: HSL1900 Medium parameters used:  $f = 1880 \text{ MHz}$ ;  $\sigma = 1.39 \text{ mho/m}$ ;  $\epsilon_r = 40.8$ ;  $\rho = 1000 \text{ kg/m}^3$  ;

Liquid level: 155 mm

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

Antenna type : monopole Antenna ; Air temp. : 22.5 degrees ; Liquid temp. : 21.3 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 Sn579; Calibrated: 2006/3/15
- Phantom: SAM 12; Type: SAM V4.0; Serial: TP 1202
- Measurement SW: DASY4, V4.7 Build 44; Postprocessing SW: SEMCAD, V1.8 Build 171

**Tilt position - Mid Channel 9400/Area Scan (7x10x1):** Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 0.911 mW/g

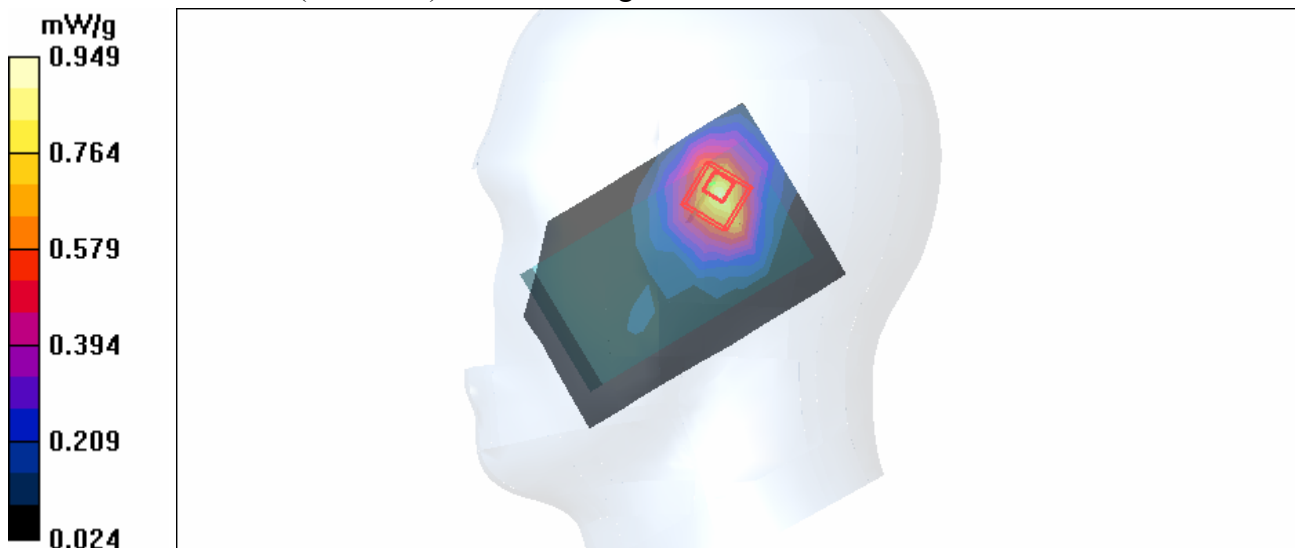
**Tilt position - Mid Channel 9400/Zoom Scan (7x7x7) (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 24.7 V/m

Peak SAR (extrapolated) = 1.61 W/kg

**SAR(1 g) = 0.850 mW/g; SAR(10 g) = 0.475 mW/g**

Maximum value of SAR (measured) = 0.949 mW/g



Test Laboratory: Advance Data Technology

## Left Head-Tilt-WCDMA1900-CH9538-Mode 8

**DUT: Pocket PC Phone ; Type: HERM100 ; Test Frequency: 1907.6 MHz**

Communication System: WCDMA1900 ; Frequency: 1907.6 MHz; Duty Cycle: 1:1  
 Medium: HSL1900 Medium parameters used :  $f = 1907.6$  MHz;  $\sigma = 1.42$  mho/m;  $\epsilon_r = 40.7$ ;  $\rho = 1000$  kg/m<sup>3</sup> ; Liquid level: 155 mm  
 Phantom section: Left Section ; DUT test position : Tilt ; Modulation type: BPSK  
 Antenna type : monopole Antenna ; Air temp. : 22.5 degrees ; Liquid temp. : 21.3 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 Sn579; Calibrated: 2006/3/15
- Phantom: SAM 12; Type: SAM V4.0; Serial: TP 1202
- Measurement SW: DASY4, V4.7 Build 44; Postprocessing SW: SEMCAD, V1.8 Build 171

**Tilt position - High Channel 9538/Area Scan (7x10x1):** Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 0.930 mW/g

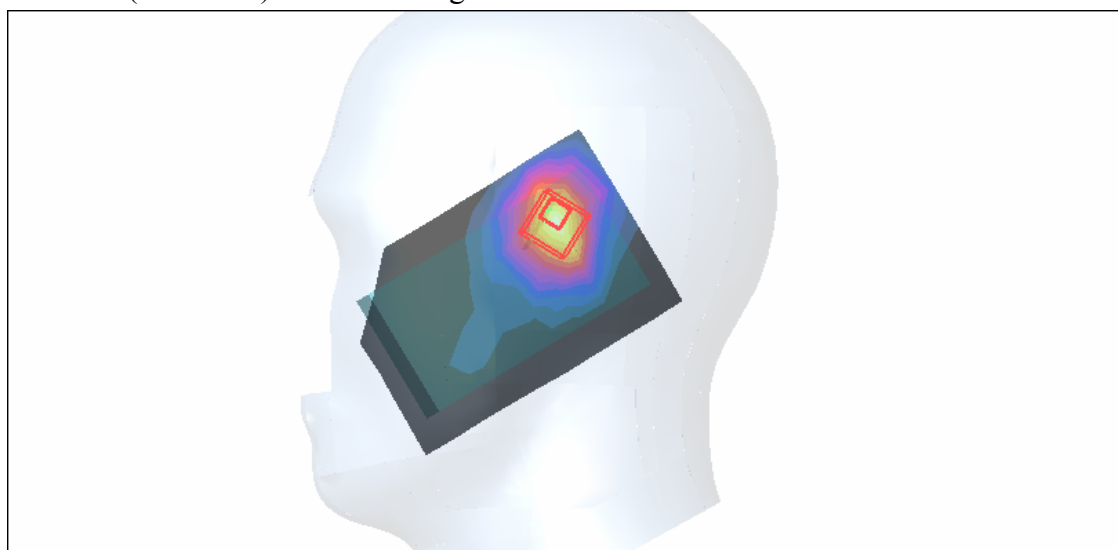
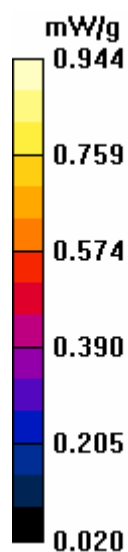
**Tilt position - High Channel 9538/Zoom Scan (7x7x7) (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 24.6 V/m

Peak SAR (extrapolated) = 1.64 W/kg

**SAR(1 g) = 0.849 mW/g; SAR(10 g) = 0.480 mW/g**

Maximum value of SAR (measured) = 0.944 mW/g



Test Laboratory: Advance Data Technology

## Right Head-Cheek-WCDMA1900-CH9262-Mode 9

**DUT: Pocket PC Phone ; Type: HERM100 ; Test Frequency: 1852.4 MHz**

Communication System: WCDMA1900 ; Frequency: 1852.4 MHz ; Duty Cycle: 1:1  
 Medium: HSL1900 Medium parameters used:  $f = 1852.4$  MHz;  $\sigma = 1.36$  mho/m;  $\epsilon_r = 41.4$ ;  $\rho = 1000$  kg/m<sup>3</sup> ; Liquid level: 155 mm  
 Phantom section: Right Section ; DUT test position : Cheek ; Modulation type: BPSK  
 Antenna type : monopole Antenna ; Air temp. : 22.5 degrees ; Liquid temp. : 21.3 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 Sn579; Calibrated: 2006/3/15
- Phantom: SAM 12; Type: SAM V4.0; Serial: TP 1202
- Measurement SW: DASY4, V4.7 Build 44; Postprocessing SW: SEMCAD, V1.8 Build 171

**Touch position - Low Channel 9262/Area Scan (7x10x1):** Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 0.611 mW/g

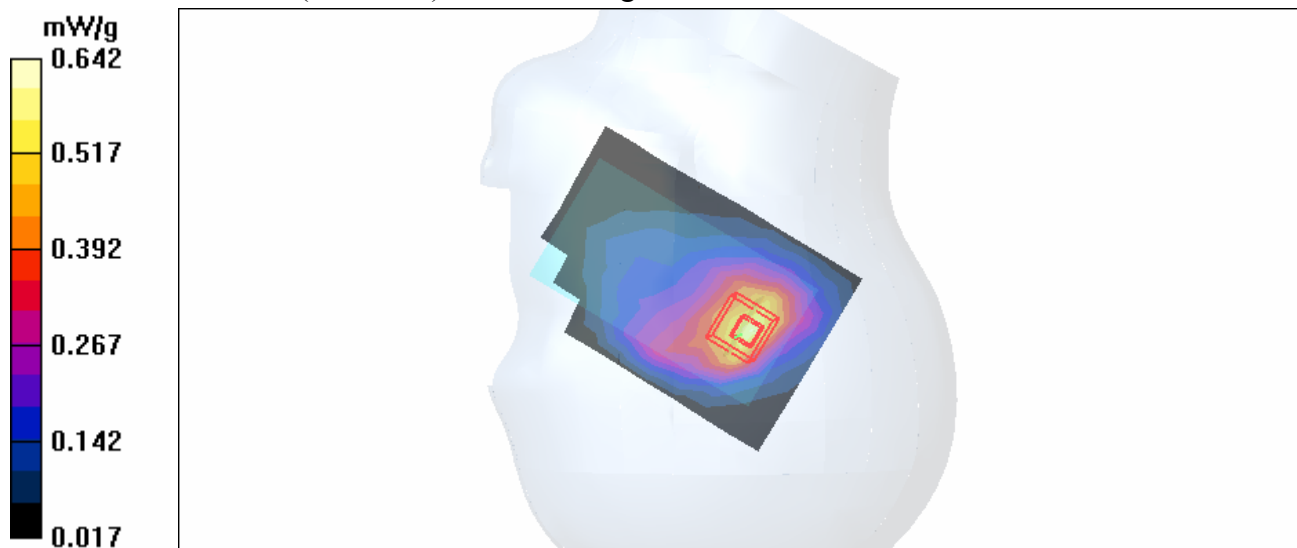
**Touch position - Low Channel 9262/Zoom Scan (7x7x7) (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 26.3 V/m

Peak SAR (extrapolated) = 0.904 W/kg

**SAR(1 g) = 0.586 mW/g; SAR(10 g) = 0.349 mW/g**

Maximum value of SAR (measured) = 0.642 mW/g



Test Laboratory: Advance Data Technology

## Right Head-Cheek-WCDMA1900-CH9400-Mode 9

**DUT: Pocket PC Phone ; Type: HERM100 ; Test Frequency: 1880 MHz**

Communication System: WCDMA1900 ; Frequency: 1880 MHz ; Duty Cycle: 1:1

Medium: HSL1900 Medium parameters used:  $f = 1880 \text{ MHz}$ ;  $\sigma = 1.39 \text{ mho/m}$ ;  $\epsilon_r = 41.3$ ;  $\rho = 1000 \text{ kg/m}^3$  ;

Liquid level: 155 mm

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

Antenna type : monopole Antenna ; Air temp. : 22.5 degrees ; Liquid temp. : 21.3 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 Sn579; Calibrated: 2006/3/15
- Phantom: SAM 12; Type: SAM V4.0; Serial: TP 1202
- Measurement SW: DASY4, V4.7 Build 44; Postprocessing SW: SEMCAD, V1.8 Build 171

**Touch position - Mid Channel 9400/Area Scan (7x10x1):** Measurement grid:  $dx=15\text{mm}$ ,  $dy=15\text{mm}$

Maximum value of SAR (measured) = 0.663 mW/g

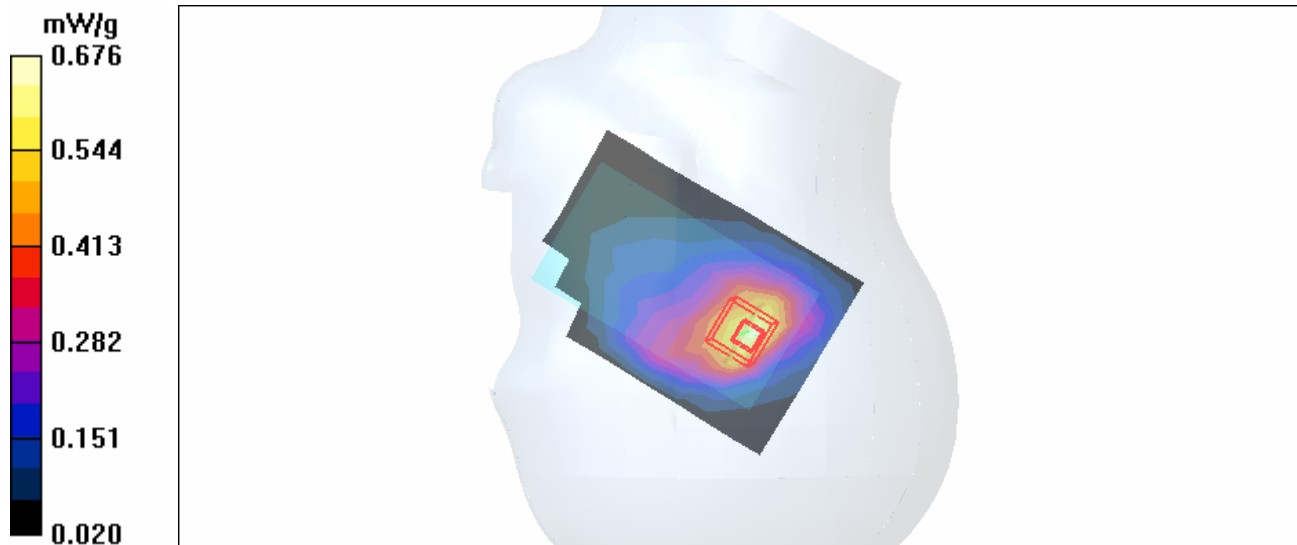
**Touch position - Mid Channel 9400/Zoom Scan (7x7x7) (7x7x7)/Cube 0:** Measurement grid:  $dx=5\text{mm}$ ,  $dy=5\text{mm}$ ,  $dz=5\text{mm}$

Reference Value = 25.5 V/m

Peak SAR (extrapolated) = 0.969 W/kg

**SAR(1 g) = 0.609 mW/g; SAR(10 g) = 0.361 mW/g**

Maximum value of SAR (measured) = 0.676 mW/g



Test Laboratory: Advance Data Technology

## Right Head-Cheek-WCDMA1900-CH9538-Mode 9

**DUT: Pocket PC Phone ; Type: HERM100 ; Test Frequency: 1907.6 MHz**

Communication System: WCDMA1900 ; Frequency: 1907.6 MHz ; Duty Cycle: 1:1  
 Medium: HSL1900 Medium parameters used:  $f = 1907.6 \text{ MHz}$ ;  $\sigma = 1.43 \text{ mho/m}$ ;  $\epsilon_r = 41.1$ ;  $\rho = 1000 \text{ kg/m}^3$  ; Liquid level: 155 mm  
 Phantom section: Right Section ; DUT test position : Cheek ; Modulation type: BPSK  
 Antenna type : monopole Antenna ; Air temp. : 22.5 degrees ; Liquid temp. : 21.3 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 Sn579; Calibrated: 2006/3/15
- Phantom: SAM 12; Type: SAM V4.0; Serial: TP 1202
- Measurement SW: DASY4, V4.7 Build 44; Postprocessing SW: SEMCAD, V1.8 Build 171

**Touch position - High Channel 9538/Area Scan (7x10x1):** Measurement grid:  $dx=15\text{mm}$ ,  $dy=15\text{mm}$

Maximum value of SAR (measured) = 0.661 mW/g

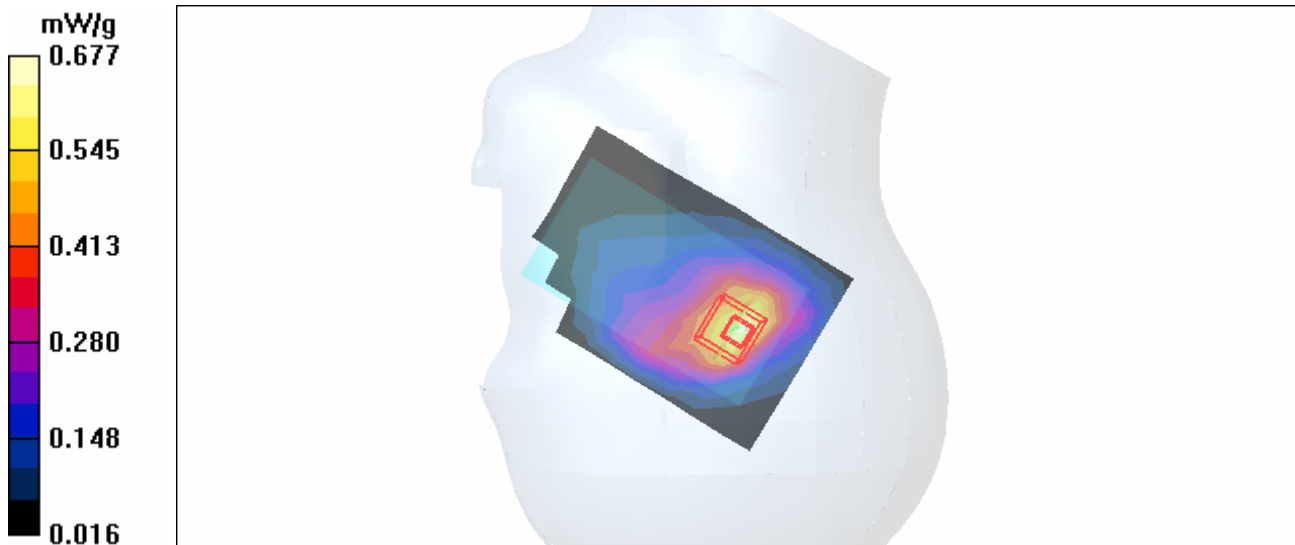
**Touch position - High Channel 9538/Zoom Scan (7x7x7) (7x7x7)/Cube 0:** Measurement grid:  $dx=5\text{mm}$ ,  $dy=5\text{mm}$ ,  $dz=5\text{mm}$

Reference Value = 25.8 V/m

Peak SAR (extrapolated) = 0.977 W/kg

**SAR(1 g) = 0.613 mW/g; SAR(10 g) = 0.359 mW/g**

Maximum value of SAR (measured) = 0.677 mW/g



Test Laboratory: Advance Data Technology

## Right Head-Tilt-WCDMA1900-CH9262-Mode 10

**DUT: Pocket PC Phone ; Type: HERM100 ; Test Frequency: 1852.4 MHz**

Communication System: WCDMA1900 ; Frequency: 1852.4 MHz; Duty Cycle: 1:1  
 Medium: HSL1900 Medium parameters used:  $f = 1852.4$  MHz;  $\sigma = 1.36$  mho/m;  $\epsilon_r = 41.4$ ;  $\rho = 1000$  kg/m<sup>3</sup> ; Liquid level: 155 mm  
 Phantom section: Right Section ; DUT test position : Tilt ; Modulation type: BPSK  
 Antenna type : monopole Antenna ; Air temp. : 22.5 degrees ; Liquid temp. : 21.3 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 Sn579; Calibrated: 2006/3/15
- Phantom: SAM 12; Type: SAM V4.0; Serial: TP 1202
- Measurement SW: DASY4, V4.7 Build 44; Postprocessing SW: SEMCAD, V1.8 Build 171

**Tilt position - Low Channel 9262/Area Scan (7x10x1):** Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 1.02 mW/g

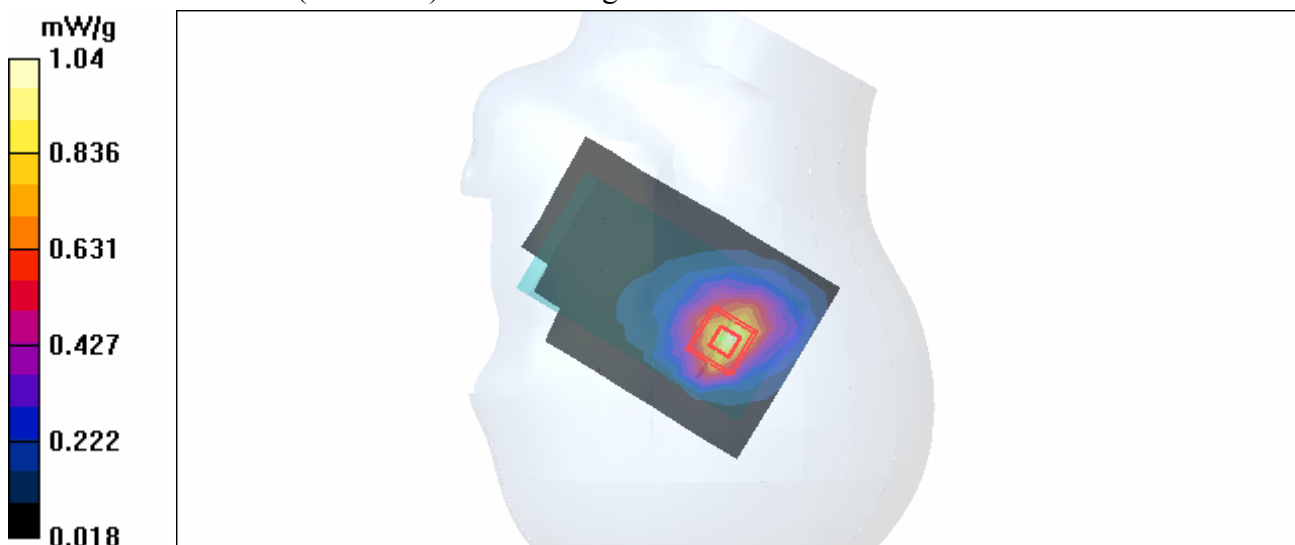
**Tilt position - Low Channel 9262/Zoom Scan (7x7x7) (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 30.2 V/m

Peak SAR (extrapolated) = 1.48 W/kg

**SAR(1 g) = 0.939 mW/g; SAR(10 g) = 0.527 mW/g**

Maximum value of SAR (measured) = 1.04 mW/g





Test Laboratory: Advance Data Technology

## Right Head-Tilt-WCDMA1900-CH9400-Mode 10

**DUT: Pocket PC Phone ; Type: HERM100 ; Test Frequency: 1880 MHz**

Communication System: WCDMA1900 ; Frequency: 1880 MHz; Duty Cycle: 1:1

Medium: HSL1900 Medium parameters used:  $f = 1880 \text{ MHz}$ ;  $\sigma = 1.39 \text{ mho/m}$ ;  $\epsilon_r = 41.3$ ;  $\rho = 1000 \text{ kg/m}^3$  ;

Liquid level: 155 mm

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

Antenna type : monopole Antenna ; Air temp. : 22.5 degrees ; Liquid temp. : 21.3 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 Sn579; Calibrated: 2006/3/15
- Phantom: SAM 12; Type: SAM V4.0; Serial: TP 1202
- Measurement SW: DASY4, V4.7 Build 44; Postprocessing SW: SEMCAD, V1.8 Build 171

**Tilt position - Mid Channel 9400/Area Scan (7x10x1):** Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 1.03 mW/g

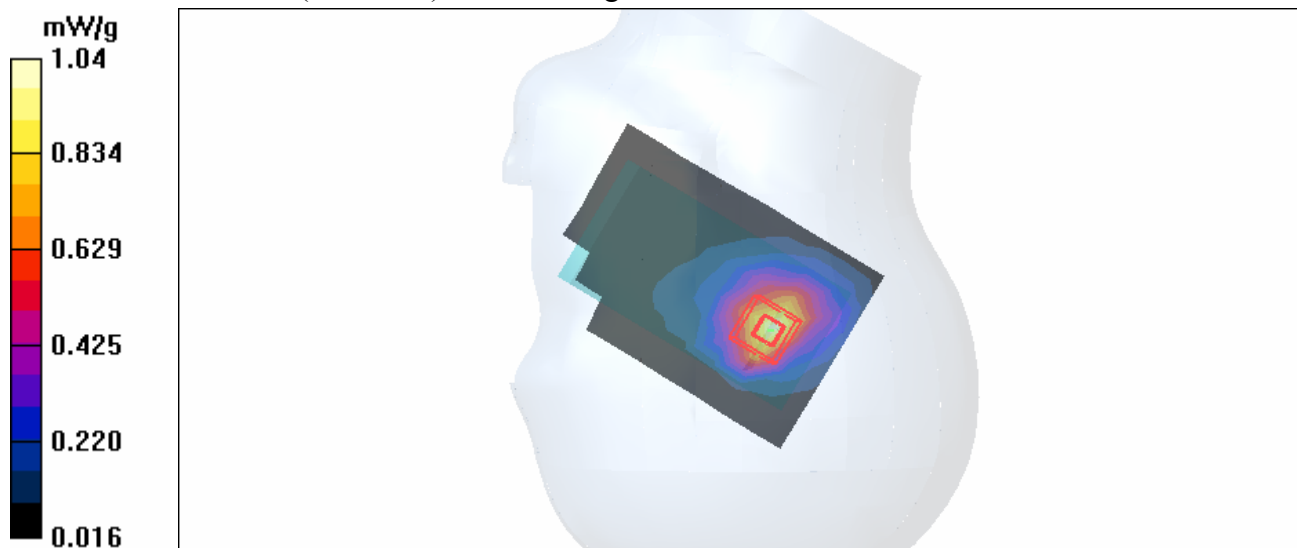
**Tilt position - Mid Channel 9400/Zoom Scan (7x7x7) (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 31.4 V/m

Peak SAR (extrapolated) = 1.52 W/kg

**SAR(1 g) = 0.947 mW/g; SAR(10 g) = 0.527 mW/g**

Maximum value of SAR (measured) = 1.04 mW/g



Test Laboratory: Advance Data Technology

## Right Head-Tilt-WCDMA1900-CH9538-Mode 10

**DUT: Pocket PC Phone ; Type: HERM100 ; Test Frequency: 1907.6 MHz**

Communication System: WCDMA1900 ; Frequency: 1907.6 MHz; Duty Cycle: 1:1

Medium: HSL1900 Medium parameters used:  $f = 1907.6$  MHz;  $\sigma = 1.43$  mho/m;  $\epsilon_r = 41.1$ ;  $\rho = 1000$  kg/m<sup>3</sup> ; Liquid level: 155 mm

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

Antenna type : monopole Antenna ; Air temp. : 22.5 degrees ; Liquid temp. : 21.3 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 Sn579; Calibrated: 2006/3/15

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

- Measurement SW: DASY4, V4.7 Build 44; Postprocessing SW: SEMCAD, V1.8 Build 171

**Tilt position - High Channel 9538/Area Scan (7x10x1):** Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 1.01 mW/g

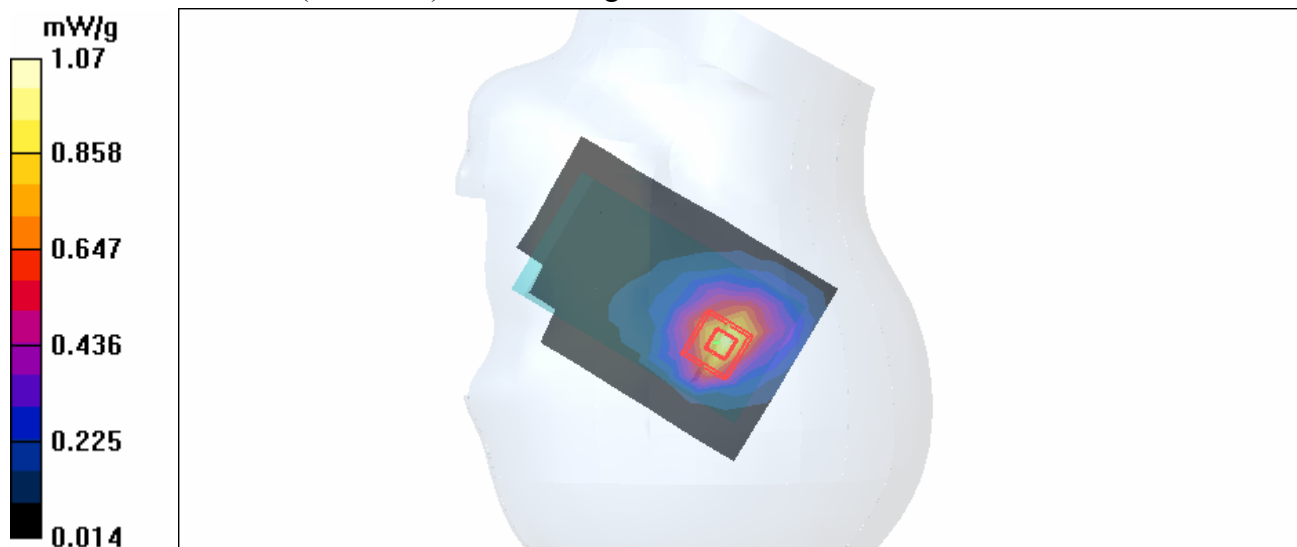
**Tilt position - High Channel 9538/Zoom Scan (7x7x7) (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 32.0 V/m

Peak SAR (extrapolated) = 1.57 W/kg

**SAR(1 g) = 0.960 mW/g; SAR(10 g) = 0.524 mW/g**

Maximum value of SAR (measured) = 1.07 mW/g



Test Laboratory: Advance Data Technology

### Left Head-Cheek-WCDMA1900-CH9262-Mode 11

**DUT: Pocket PC Phone ; Type: HERM100 ; Test Frequency: 1852.4 MHz**

Communication System: WCDMA1900 ; Frequency: 1852.4 MHz ; Duty Cycle: 1:1  
Medium: HSL1900 Medium parameters used :  $f = 1852.4$  MHz;  $\sigma = 1.36$  mho/m;  $\epsilon_r = 41.4$ ;  $\rho = 1000$  kg/m<sup>3</sup> ; Liquid level: 155 mm  
Phantom section: Left Section ; DUT test position : Cheek ; Modulation type: BPSK  
Antenna type : monopole Antenna ; Air temp. : 22.5 degrees ; Liquid temp. : 21.3 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 Sn579; Calibrated: 2006/3/15
- Phantom: SAM 12; Type: SAM V4.0; Serial: TP 1202
- Measurement SW: DASY4, V4.7 Build 44; Postprocessing SW: SEMCAD, V1.8 Build 171

**Touch position - Low Channel 9262/Area Scan (7x10x1):** Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 0.669 mW/g

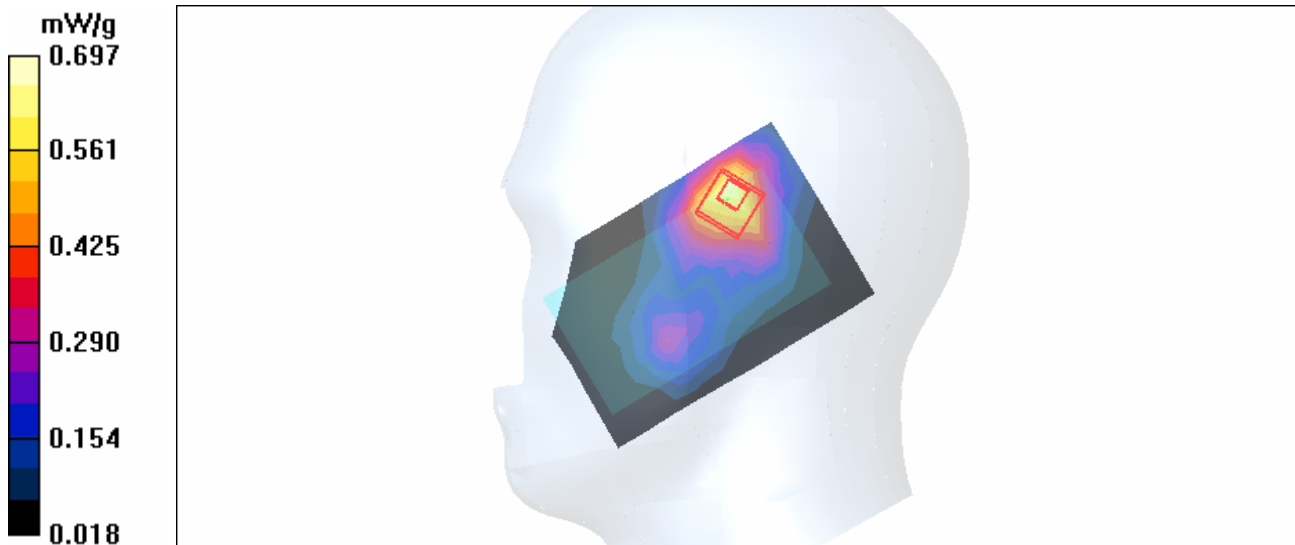
**Touch position - Low Channel 9262/Zoom Scan (7x7x7) (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 20.7 V/m

Peak SAR (extrapolated) = 1.17 W/kg

**SAR(1 g) = 0.645 mW/g; SAR(10 g) = 0.374 mW/g**

Maximum value of SAR (measured) = 0.697 mW/g



Test Laboratory: Advance Data Technology

## Left Head-Cheek-WCDMA1900-CH9400-Mode 11

**DUT: Pocket PC Phone ; Type: HERM100 ; Test Frequency: 1880 MHz**

Communication System: WCDMA1900 ; Frequency: 1880 MHz ; Duty Cycle: 1:1

Medium: HSL1900 Medium parameters used:  $f = 1880 \text{ MHz}$ ;  $\sigma = 1.39 \text{ mho/m}$ ;  $\epsilon_r = 41.3$ ;  $\rho = 1000 \text{ kg/m}^3$  ;

Liquid level: 155 mm

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

Antenna type : monopole Antenna ; Air temp. : 22.5 degrees ; Liquid temp. : 21.3 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 Sn579; Calibrated: 2006/3/15

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

- Measurement SW: DASY4, V4.7 Build 44; Postprocessing SW: SEMCAD, V1.8 Build 171

**Touch position - Mid Channel 9400/Area Scan (7x10x1):** Measurement grid:  $dx=15\text{mm}$ ,  $dy=15\text{mm}$

Maximum value of SAR (measured) = 0.673 mW/g

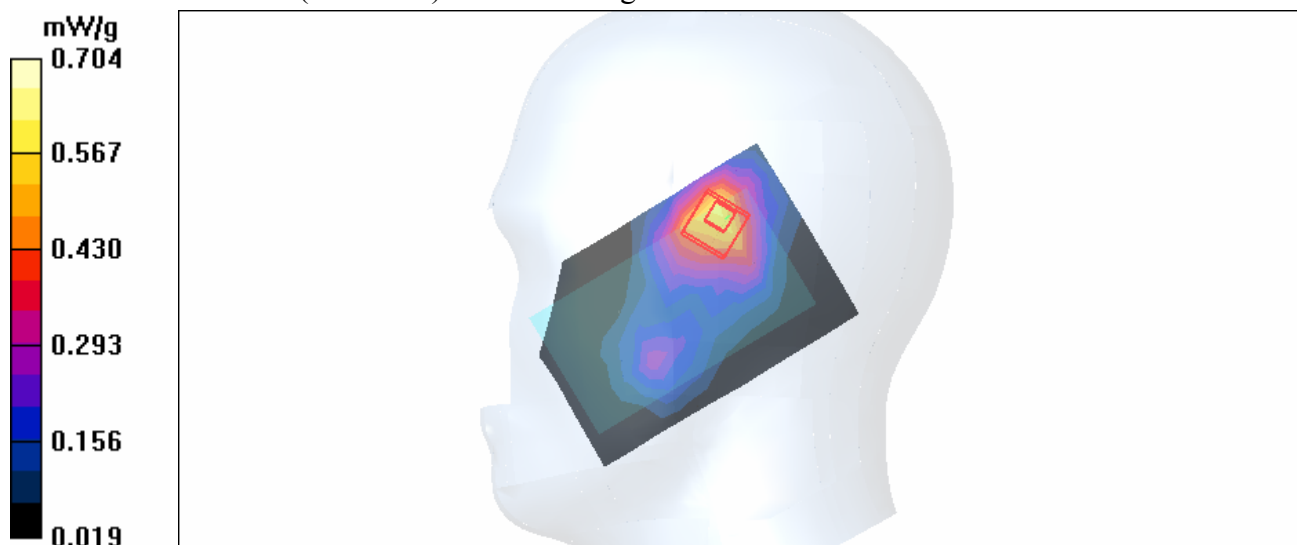
**Touch position - Mid Channel 9400/Zoom Scan (7x7x7) (7x7x7)/Cube 0:** Measurement grid:  $dx=5\text{mm}$ ,  $dy=5\text{mm}$ ,  $dz=5\text{mm}$

Reference Value = 19.9 V/m

Peak SAR (extrapolated) = 1.20 W/kg

**SAR(1 g) = 0.651 mW/g; SAR(10 g) = 0.377 mW/g**

Maximum value of SAR (measured) = 0.704 mW/g



Test Laboratory: Advance Data Technology

## Left Head-Cheek-WCDMA1900-CH9538-Mode 11

**DUT: Pocket PC Phone ; Type: HERM100 ; Test Frequency: 1907.6 MHz**

Communication System: WCDMA1900 ; Frequency: 1907.6 MHz ; Duty Cycle: 1:1  
Medium: HSL1900 Medium parameters used :  $f = 1907.6$  MHz;  $\sigma = 1.43$  mho/m;  $\epsilon_r = 41.1$ ;  $\rho = 1000$  kg/m<sup>3</sup> ; Liquid level: 155 mm  
Phantom section: Left Section ; DUT test position : Cheek ; Modulation type: BPSK  
Antenna type : monopole Antenna ; Air temp. : 22.5 degrees ; Liquid temp. : 21.3 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 Sn579; Calibrated: 2006/3/15
- Phantom: SAM 12; Type: SAM V4.0; Serial: TP 1202
- Measurement SW: DASY4, V4.7 Build 44; Postprocessing SW: SEMCAD, V1.8 Build 171

**Touch position - High Channel 9538/Area Scan (7x10x1):** Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 0.643 mW/g

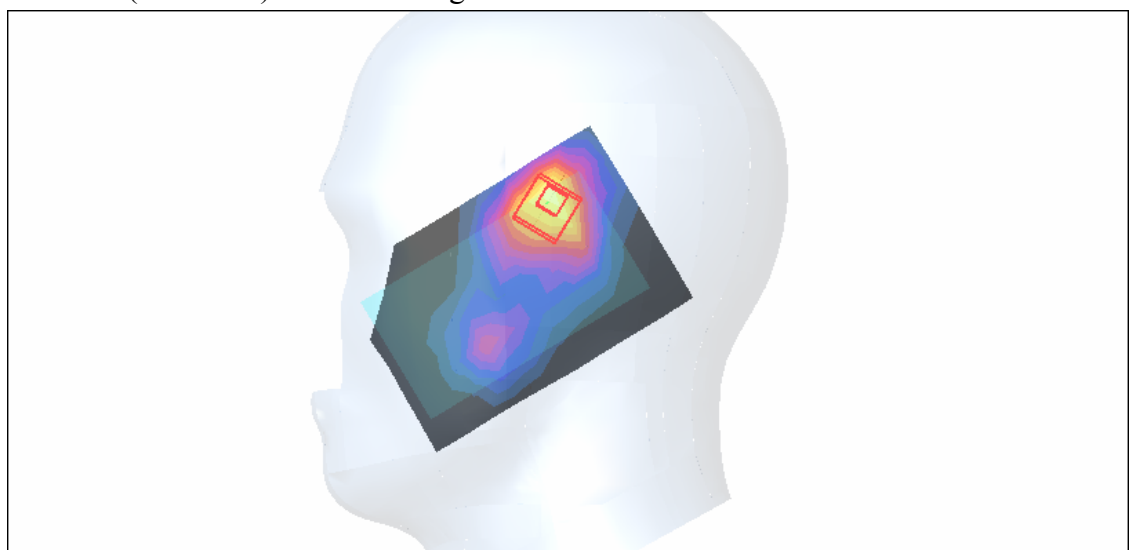
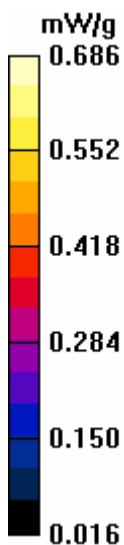
**Touch position - High Channel 9538/Zoom Scan (7x7x7) (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 20.0 V/m

Peak SAR (extrapolated) = 1.18 W/kg

**SAR(1 g) = 0.630 mW/g; SAR(10 g) = 0.362 mW/g**

Maximum value of SAR (measured) = 0.686 mW/g



Test Laboratory: Advance Data Technology

## Left Head-Tilt-WCDMA1900-CH9262-Mode 12

**DUT: Pocket PC Phone ; Type: HERM100 ; Test Frequency: 1852.4 MHz**

Communication System: WCDMA1900 ; Frequency: 1852.4 MHz; Duty Cycle: 1:1  
 Medium: HSL1900 Medium parameters used :  $f = 1852.4$  MHz;  $\sigma = 1.36$  mho/m;  $\epsilon_r = 41.4$ ;  $\rho = 1000$  kg/m<sup>3</sup> ; Liquid level: 155 mm  
 Phantom section: Left Section ; DUT test position : Tilt ; Modulation type: BPSK  
 Antenna type : monopole Antenna ; Air temp. : 22.5 degrees ; Liquid temp. : 21.3 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 Sn579; Calibrated: 2006/3/15
- Phantom: SAM 12; Type: SAM V4.0; Serial: TP 1202
- Measurement SW: DASY4, V4.7 Build 44; Postprocessing SW: SEMCAD, V1.8 Build 171

**Tilt position - Low Channel 9262/Area Scan (7x10x1):** Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 0.915 mW/g

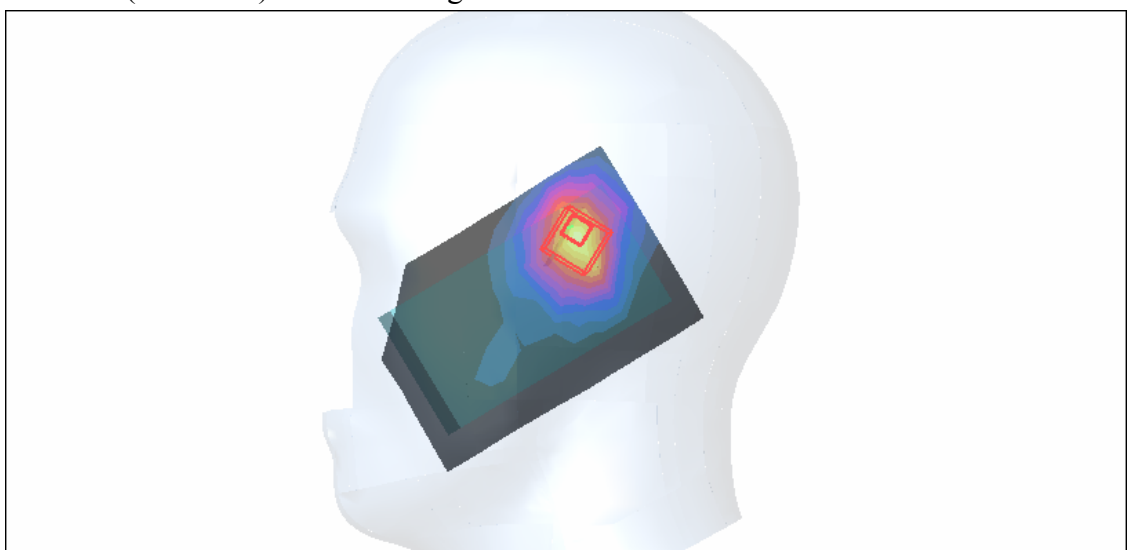
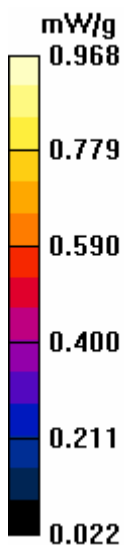
**Tilt position - Low Channel 9262/Zoom Scan (7x7x7) (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 28.6 V/m

Peak SAR (extrapolated) = 1.58 W/kg

**SAR(1 g) = 0.859 mW/g; SAR(10 g) = 0.472 mW/g**

Maximum value of SAR (measured) = 0.968 mW/g



Test Laboratory: Advance Data Technology

## Left Head-Tilt-WCDMA1900-CH9400-Mode 12

**DUT: Pocket PC Phone ; Type: HERM100 ; Test Frequency: 1880 MHz**

Communication System: WCDMA1900 ; Frequency: 1880 MHz; Duty Cycle: 1:1

Medium: HSL1900 Medium parameters used:  $f = 1880 \text{ MHz}$ ;  $\sigma = 1.39 \text{ mho/m}$ ;  $\epsilon_r = 41.3$ ;  $\rho = 1000 \text{ kg/m}^3$  ;

Liquid level: 155 mm

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

Antenna type : monopole Antenna ; Air temp. : 22.5 degrees ; Liquid temp. : 21.3 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 Sn579; Calibrated: 2006/3/15
- Phantom: SAM 12; Type: SAM V4.0; Serial: TP 1202
- Measurement SW: DASY4, V4.7 Build 44; Postprocessing SW: SEMCAD, V1.8 Build 171

**Tilt position - Mid Channel 9400/Area Scan (7x10x1):** Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 0.936 mW/g

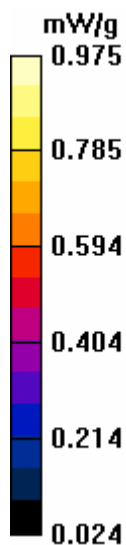
**Tilt position - Mid Channel 9400/Zoom Scan (7x7x7) (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 26.8 V/m

Peak SAR (extrapolated) = 1.65 W/kg

**SAR(1 g) = 0.872 mW/g; SAR(10 g) = 0.487 mW/g**

Maximum value of SAR (measured) = 0.975 mW/g



Test Laboratory: Advance Data Technology

## Left Head-Tilt-WCDMA1900-CH9538-Mode 12

**DUT: Pocket PC Phone ; Type: HERM100 ; Test Frequency: 1907.6 MHz**

Communication System: WCDMA1900 ; Frequency: 1907.6 MHz; Duty Cycle: 1:1  
 Medium: HSL1900 Medium parameters used :  $f = 1907.6$  MHz;  $\sigma = 1.43$  mho/m;  $\epsilon_r = 41.1$ ;  $\rho = 1000$  kg/m<sup>3</sup> ; Liquid level: 155 mm  
 Phantom section: Left Section ; DUT test position : Tilt ; Modulation type: BPSK  
 Antenna type : monopole Antenna ; Air temp. : 22.5 degrees ; Liquid temp. : 21.3 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 Sn579; Calibrated: 2006/3/15
- Phantom: SAM 12; Type: SAM V4.0; Serial: TP 1202
- Measurement SW: DASY4, V4.7 Build 44; Postprocessing SW: SEMCAD, V1.8 Build 171

**Tilt position - High Channel 9538/Area Scan (7x10x1):** Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 0.906 mW/g

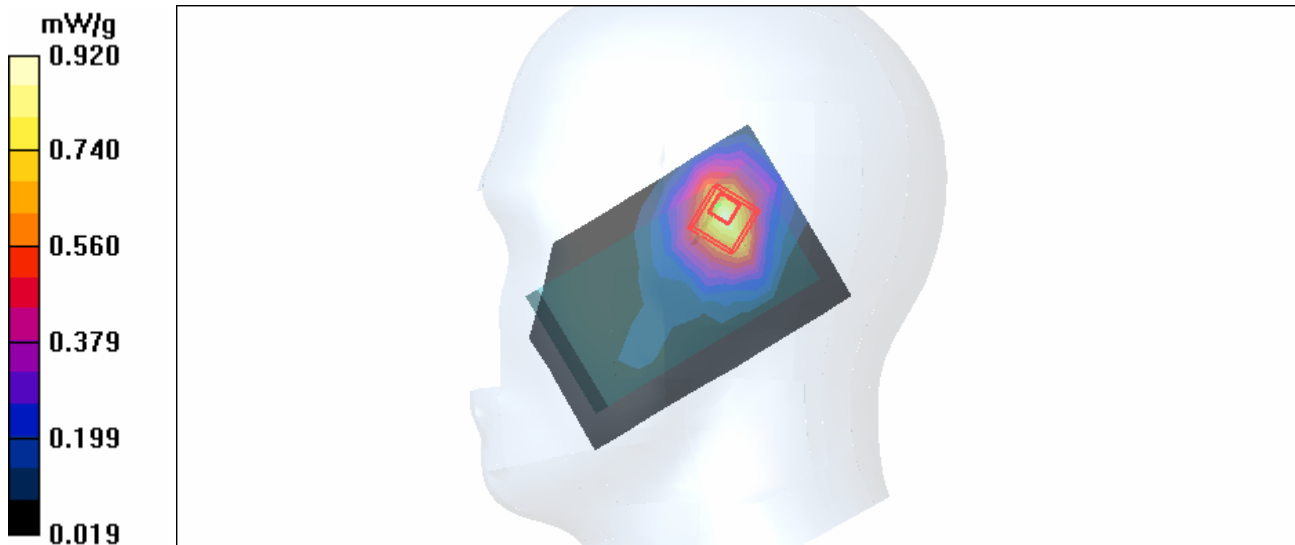
**Tilt position - High Channel 9538/Zoom Scan (7x7x7) (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 26.9 V/m

Peak SAR (extrapolated) = 1.60 W/kg

**SAR(1 g) = 0.827 mW/g; SAR(10 g) = 0.467 mW/g**

Maximum value of SAR (measured) = 0.920 mW/g





Test Laboratory: Advance Data Technology

**Body Worn-Keypad Down-WCDMA1900-CH9262-Mode 13**

**DUT: Pocket PC Phone ; Type: HERM100 ; Test Frequency: 1852.4 MHz**

Communication System: WCDMA1900 ; Frequency: 1852.4 MHz ; Duty Cycle: 1:1

Medium: MSL1900 Medium parameters used :  $f = 1852.4$  MHz;  $\sigma = 1.5$  mho/m;  $\epsilon_r = 54.5$ ;  $\rho = 1000$  kg/m<sup>3</sup> ; Liquid Level : 151 mm

Phantom section: Flat Section ; DUT test position : Body ; Modulation Type: BPSK

Separation Distance : 0 mm ( The bottom side of the EUT to the Phantom)

Antenna Type : monopole Antenna ; Air Temp. : 22.7 degrees ; Liquid Temp. : 21.7 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 Sn579 ; Calibrated: 2006/3/15
- Phantom: SAM 12 ; Type: SAM V4.0; Serial: TP 1202
- Measurement SW: DASY4, V4.7 Build 44 ; Postprocessing SW: SEMCAD, V1.8 Build 171

**Low Channel 9262/Area Scan (7x10x1):** Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 0.717 mW/g

**Low Channel 9262/Zoom Scan (7x7x7) (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 23.2 V/m

Peak SAR (extrapolated) = 1.01 W/kg

**SAR(1 g) = 0.682 mW/g; SAR(10 g) = 0.434 mW/g**

Maximum value of SAR (measured) = 0.737 mW/g

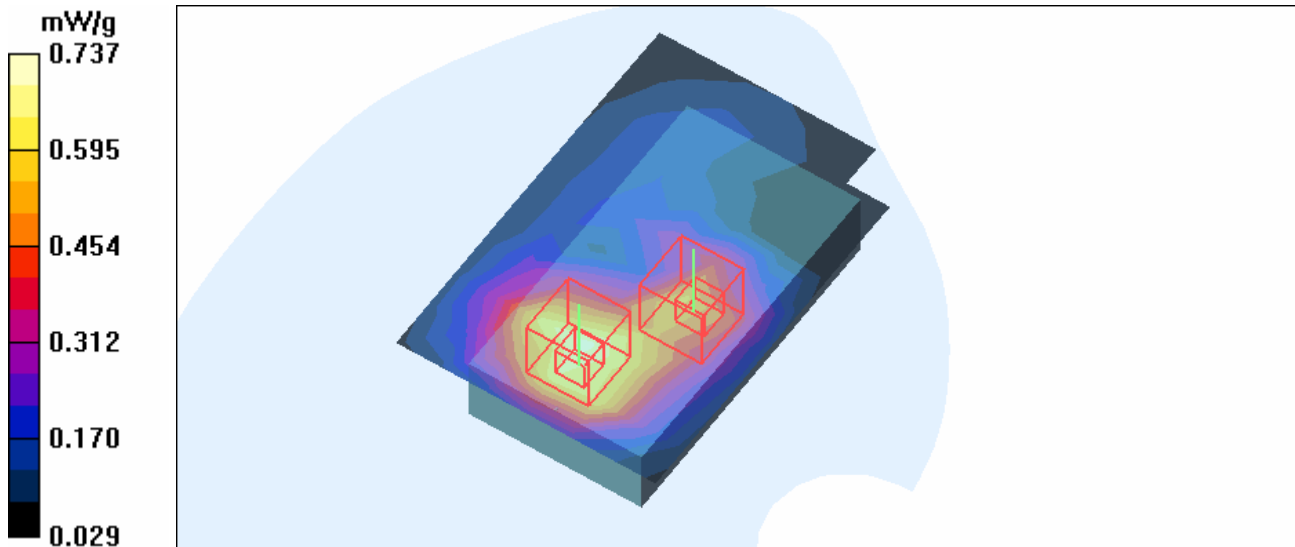
**Low Channel 9262/Zoom Scan (7x7x7) (7x7x7)/Cube 1:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 23.2 V/m

Peak SAR (extrapolated) = 1.01 W/kg

**SAR(1 g) = 0.562 mW/g; SAR(10 g) = 0.319 mW/g**

Maximum value of SAR (measured) = 0.622 mW/g



Test Laboratory: Advance Data Technology

**Body Worn-Keypad Down-WCDMA1900-CH9400-Mode 13**

**DUT: Pocket PC Phone ; Type: HERM100 ; Test Frequency: 1880 MHz**

Communication System: WCDMA1900 ; Frequency: 1880 MHz ; Duty Cycle: 1:1

Medium: MSL1900 Medium parameters used:  $f = 1880$  MHz;  $\sigma = 1.54$  mho/m;  $\epsilon_r = 54.4$ ;  $\rho = 1000$  kg/m<sup>3</sup> ; Liquid Level : 151 mm

Phantom section: Flat Section ; DUT test position : Body ; Modulation Type: BPSK

Separation Distance : 0 mm ( The bottom side of the EUT to the Phantom)

Antenna Type : monopole Antenna ; Air Temp. : 22.7 degrees ; Liquid Temp. : 21.7 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 Sn579 ; Calibrated: 2006/3/15
- Phantom: SAM 12 ; Type: SAM V4.0; Serial: TP 1202
- Measurement SW: DASY4, V4.7 Build 44 ; Postprocessing SW: SEMCAD, V1.8 Build 171

**Mid Channel 9400/Area Scan (7x10x1):** Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 0.619 mW/g

**Mid Channel 9400/Zoom Scan (7x7x7) (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 20.5 V/m

Peak SAR (extrapolated) = 0.844 W/kg

**SAR(1 g) = 0.585 mW/g; SAR(10 g) = 0.373 mW/g**

Maximum value of SAR (measured) = 0.629 mW/g

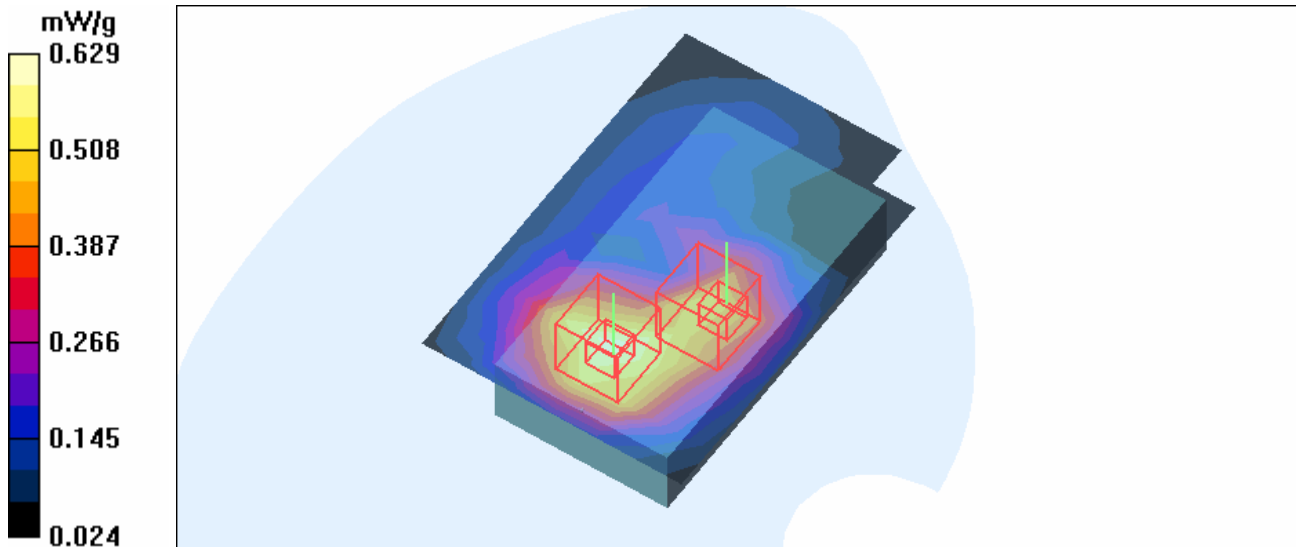
**Mid Channel 9400/Zoom Scan (7x7x7) (7x7x7)/Cube 1:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 20.5 V/m

Peak SAR (extrapolated) = 0.867 W/kg

**SAR(1 g) = 0.508 mW/g; SAR(10 g) = 0.295 mW/g**

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



Test Laboratory: Advance Data Technology

**Body Worn-Keypad Down-WCDMA1900-CH9538-Mode 13**

**DUT: Pocket PC Phone ; Type: HERM100 ; Test Frequency: 1907.6 MHz**

Communication System: WCDMA1900 ; Frequency: 1907.6 MHz ; Duty Cycle: 1:1

Medium: MSL1900 Medium parameters used :  $f = 1907.6 \text{ MHz}$ ;  $\sigma = 1.58 \text{ mho/m}$ ;  $\epsilon_r = 54.4$ ;  $\rho = 1000 \text{ kg/m}^3$  ; Liquid Level : 151 mm

Phantom section: Flat Section ; DUT test position : Body ; Modulation Type: BPSK

Separation Distance : 0 mm ( The bottom side of the EUT to the Phantom)

Antenna Type : monopole Antenna ; Air Temp. : 22.7 degrees ; Liquid Temp. : 21.7 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 Sn579 ; Calibrated: 2006/3/15
- Phantom: SAM 12 ; Type: SAM V4.0; Serial: TP 1202
- Measurement SW: DASY4, V4.7 Build 44 ; Postprocessing SW: SEMCAD, V1.8 Build 171

**High Channel 9538/Area Scan (7x10x1):** Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 0.604 mW/g

**High Channel 9538/Zoom Scan (7x7x7) (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 20.4 V/m

Peak SAR (extrapolated) = 0.887 W/kg

**SAR(1 g) = 0.577 mW/g; SAR(10 g) = 0.368 mW/g**

Maximum value of SAR (measured) = 0.635 mW/g

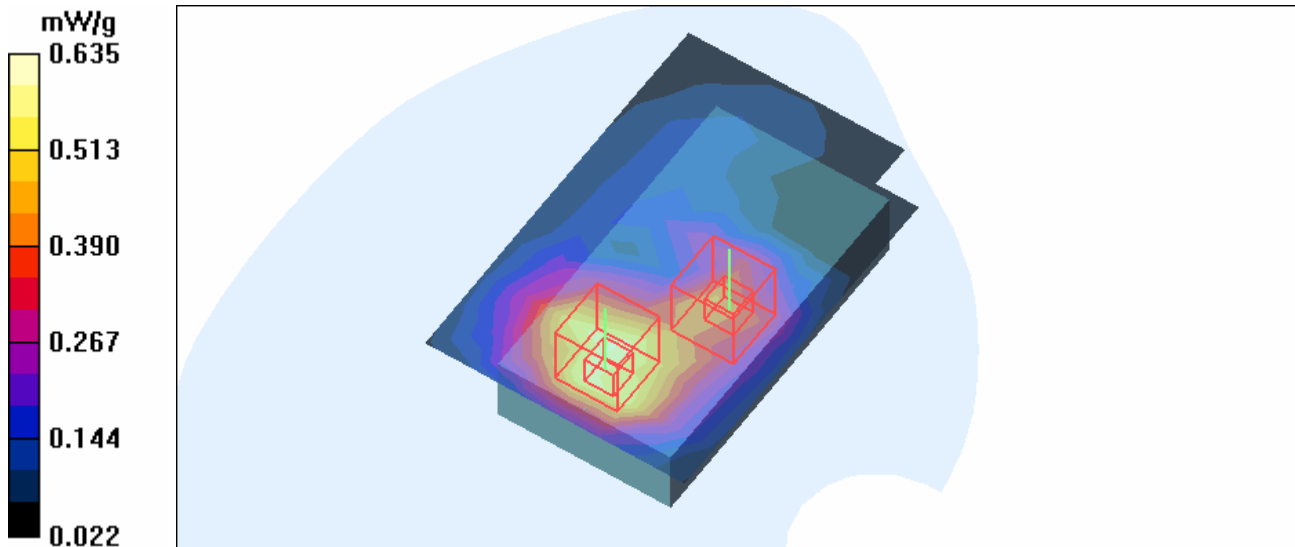
**High Channel 9538/Zoom Scan (7x7x7) (7x7x7)/Cube 1:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 20.4 V/m

Peak SAR (extrapolated) = 1.03 W/kg

**SAR(1 g) = 0.453 mW/g; SAR(10 g) = 0.255 mW/g**

Maximum value of SAR (measured) = 0.520 mW/g



Test Laboratory: Advance Data Technology

**Body Worn-Keypad Down-WCDMA1900-CH9262-Mode 14**

**DUT: Pocket PC Phone ; Type: HERM100 ; Test Frequency: 1852.4 MHz**

Communication System: WCDMA1900 ; Frequency: 1852.4 MHz ; Duty Cycle: 1:1

Medium: MSL1900 Medium parameters used :  $f = 1852.4 \text{ MHz}$ ;  $\sigma = 1.51 \text{ mho/m}$ ;  $\epsilon_r = 54.4$ ;  $\rho = 1000 \text{ kg/m}^3$  ; Liquid Level : 151 mm

Phantom section: Flat Section ; DUT test position : Body ; Modulation Type: BPSK

Separation Distance : 0 mm ( The bottom side of the EUT to the Phantom)

Antenna Type : monopole Antenna ; Air Temp. : 22.7 degrees ; Liquid Temp. : 21.7 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 Sn579 ; Calibrated: 2006/3/15
- Phantom: SAM 12 ; Type: SAM V4.0; Serial: TP 1202
- Measurement SW: DASY4, V4.7 Build 44 ; Postprocessing SW: SEMCAD, V1.8 Build 171

**Low Channel 9262/Area Scan (7x10x1):** Measurement grid:  $dx=15\text{mm}$ ,  $dy=15\text{mm}$

Maximum value of SAR (measured) = 0.642 mW/g

**Low Channel 9262/Zoom Scan (7x7x7) (7x7x7)/Cube 0:** Measurement grid:  $dx=5\text{mm}$ ,  $dy=5\text{mm}$ ,  $dz=5\text{mm}$

Reference Value = 22.4 V/m

Peak SAR (extrapolated) = 0.876 W/kg

**SAR(1 g) = 0.607 mW/g; SAR(10 g) = 0.387 mW/g**

Maximum value of SAR (measured) = 0.653 mW/g

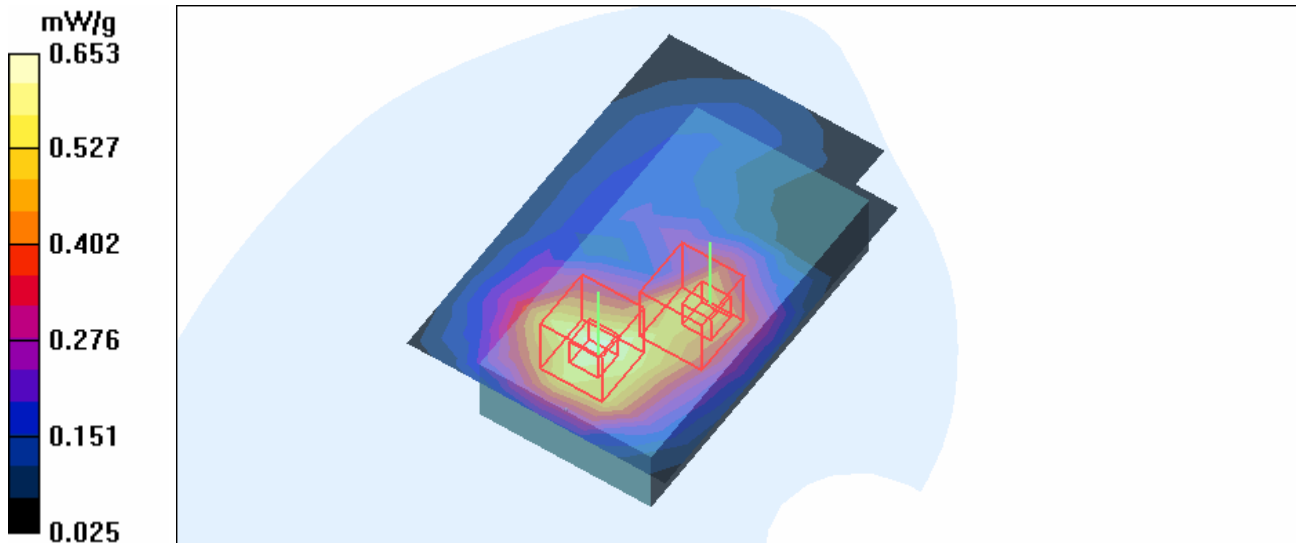
**Low Channel 9262/Zoom Scan (7x7x7) (7x7x7)/Cube 1:** Measurement grid:  $dx=5\text{mm}$ ,  $dy=5\text{mm}$ ,  $dz=5\text{mm}$

Reference Value = 22.4 V/m

Peak SAR (extrapolated) = 0.899 W/kg

**SAR(1 g) = 0.527 mW/g; SAR(10 g) = 0.306 mW/g**

Maximum value of SAR (measured) = 0.583 mW/g



Test Laboratory: Advance Data Technology

**Body Worn-Keypad Down-WCDMA1900-CH9400-Mode 14**

**DUT: Pocket PC Phone ; Type: HERM100 ; Test Frequency: 1880 MHz**

Communication System: WCDMA1900 ; Frequency: 1880 MHz ; Duty Cycle: 1:1

Medium: MSL1900 Medium parameters used:  $f = 1880$  MHz;  $\sigma = 1.55$  mho/m;  $\epsilon_r = 54.2$ ;  $\rho = 1000$  kg/m<sup>3</sup> ; Liquid Level : 151 mm

Phantom section: Flat Section ; DUT test position : Body ; Modulation Type: BPSK

Separation Distance : 0 mm ( The bottom side of the EUT to the Phantom)

Antenna Type : monopole Antenna ; Air Temp. : 22.7 degrees ; Liquid Temp. : 21.7 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 Sn579 ; Calibrated: 2006/3/15
- Phantom: SAM 12 ; Type: SAM V4.0; Serial: TP 1202
- Measurement SW: DASY4, V4.7 Build 44 ; Postprocessing SW: SEMCAD, V1.8 Build 171

**Mid Channel 9400/Area Scan (7x10x1):** Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 0.623 mW/g

**Mid Channel 9400/Zoom Scan (7x7x7) (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 24.9 V/m

Peak SAR (extrapolated) = 0.874 W/kg

**SAR(1 g) = 0.593 mW/g; SAR(10 g) = 0.377 mW/g**

Maximum value of SAR (measured) = 0.641 mW/g

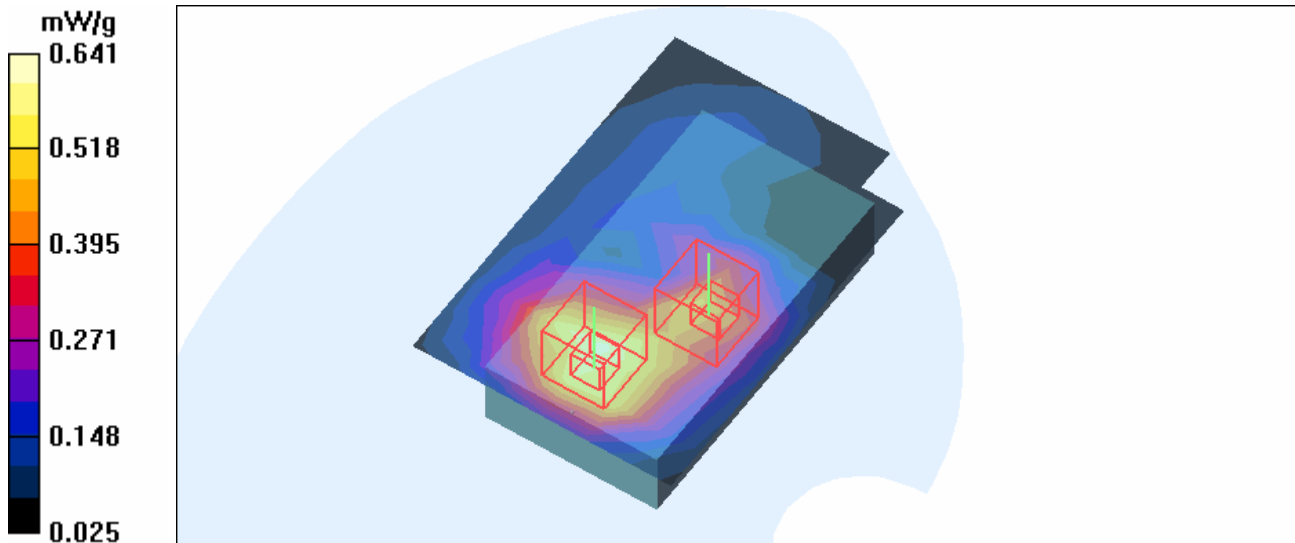
**Mid Channel 9400/Zoom Scan (7x7x7) (7x7x7)/Cube 1:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 24.9 V/m

Peak SAR (extrapolated) = 0.880 W/kg

**SAR(1 g) = 0.489 mW/g; SAR(10 g) = 0.278 mW/g**

Maximum value of SAR (measured) = 0.540 mW/g



Test Laboratory: Advance Data Technology

**Body Worn-Keypad Down-WCDMA1900-CH9538-Mode 14**

**DUT: Pocket PC Phone ; Type: HERM100 ; Test Frequency: 1907.6 MHz**

Communication System: WCDMA1900 ; Frequency: 1907.6 MHz ; Duty Cycle: 1:1

Medium: MSL1900 Medium parameters used :  $f = 1907.6$  MHz;  $\sigma = 1.59$  mho/m;  $\epsilon_r = 54.1$ ;  $\rho = 1000$  kg/m<sup>3</sup> ; Liquid Level : 151 mm

Phantom section: Flat Section ; DUT test position : Body ; Modulation Type: BPSK

Separation Distance : 0 mm ( The bottom side of the EUT to the Phantom)

Antenna Type : monopole Antenna ; Air Temp. : 22.7 degrees ; Liquid Temp. : 21.7 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 Sn579 ; Calibrated: 2006/3/15
- Phantom: SAM 12 ; Type: SAM V4.0; Serial: TP 1202
- Measurement SW: DASY4, V4.7 Build 44 ; Postprocessing SW: SEMCAD, V1.8 Build 171

**High Channel 9538/Area Scan (7x10x1):** Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 0.563 mW/g

**High Channel 9538/Zoom Scan (7x7x7) (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 22.4 V/m

Peak SAR (extrapolated) = 0.827 W/kg

**SAR(1 g) = 0.546 mW/g; SAR(10 g) = 0.343 mW/g**

Maximum value of SAR (measured) = 0.593 mW/g

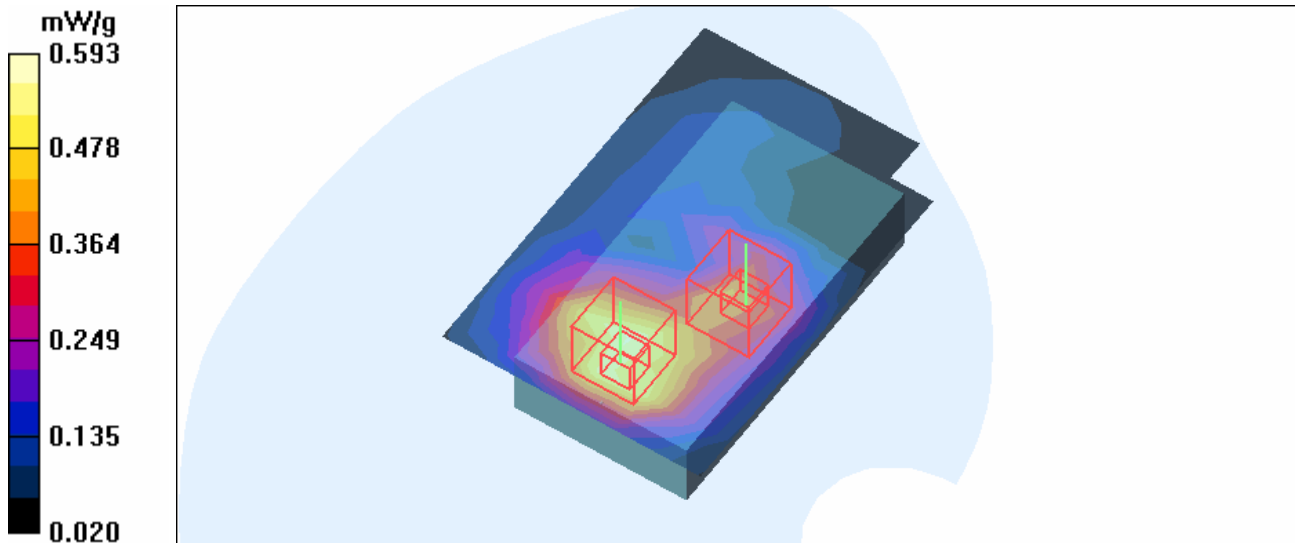
**High Channel 9538/Zoom Scan (7x7x7) (7x7x7)/Cube 1:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 22.4 V/m

Peak SAR (extrapolated) = 0.770 W/kg

**SAR(1 g) = 0.423 mW/g; SAR(10 g) = 0.237 mW/g**

Maximum value of SAR (measured) = 0.485 mW/g



Test Laboratory: Advance Data Technology

## Body Worn-Keypad Down-11b-CH1-Mode 15

**DUT: Pocket PC Phone ; Type: HERM100 ; Test Frequency: 2412 MHz**

Communication System: 802.11b ; Frequency: 2412 MHz ; Duty Cycle: 1:1  
 Medium: MSL2450 Medium parameters used:  $f = 2412$  MHz;  $\sigma = 1.94$  mho/m;  $\epsilon_r = 52.8$ ;  $\rho = 1000$  kg/m<sup>3</sup> ; Liquid Level : 155 mm  
 Phantom section: Flat Section ; DUT test position : Body ; Modulation Type: CCK  
 Separation Distance : 0 mm ( The bottom side of the EUT to the Phantom)  
 Antenna Type : PIFA Antenna ; Air Temp. : 22.6 degrees ; Liquid Temp. : 21.7 degrees

DASY4 Configuration:

- Probe: ET3DV6 - SN1687 ; ConvF(4.13, 4.13, 4.13) ; Calibrated: 2005/9/15
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn579 ; Calibrated: 2006/3/15
- Phantom: SAM 12 ; Type: SAM V4.0; Serial: TP 1202
- Measurement SW: DASY4, V4.7 Build 44 ; Postprocessing SW: SEMCAD, V1.8 Build 171

**Low Channel 1/Area Scan (7x10x1):** Measurement grid: dx=15mm, dy=15mm  
 Maximum value of SAR (measured) = 0.137 mW/g

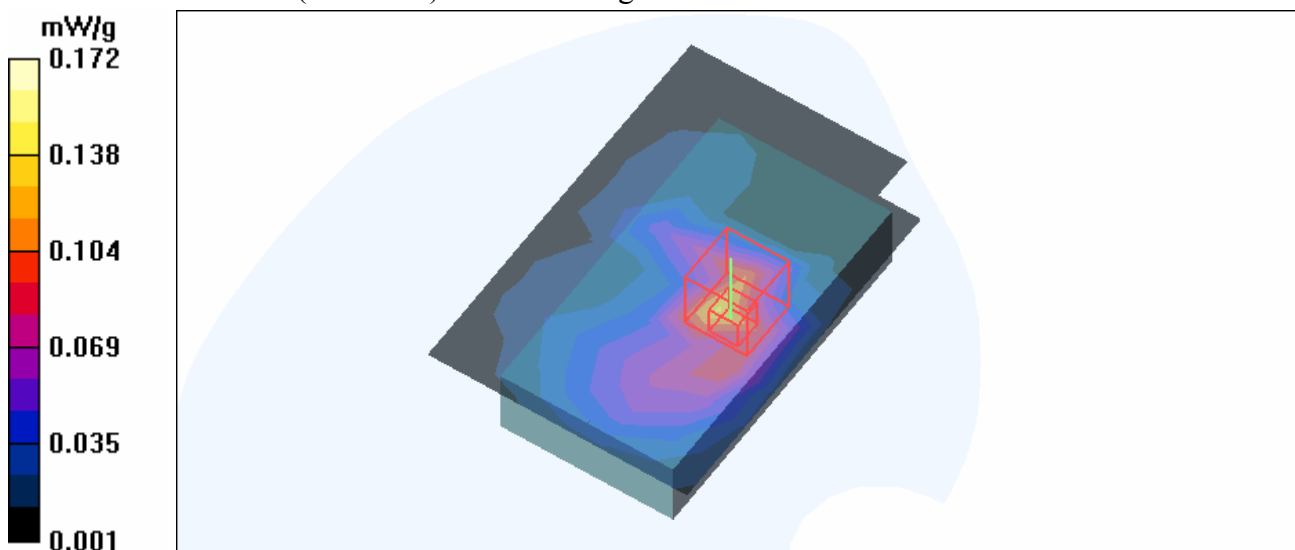
**Low Channel 1/Zoom Scan (7x7x7) (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 5.31 V/m

Peak SAR (extrapolated) = 0.581 W/kg

**SAR(1 g) = 0.156 mW/g; SAR(10 g) = 0.074 mW/g**

Maximum value of SAR (measured) = 0.172 mW/g



Test Laboratory: Advance Data Technology

### Right Head-Cheek-BT-CH39-Mode 16

**DUT: Pocket PC Phone ; Type: HERM100 ; Test Frequency: 2441 MHz**

Communication System: Bluetooth ; Frequency: 2441 MHz ; Duty Cycle: 1:1

Medium: HSL2450 Medium parameters used:  $f = 2441$  MHz;  $\sigma = 1.84$  mho/m;  $\epsilon_r = 39.8$ ;  $\rho = 1000$  kg/m<sup>3</sup> ;

Liquid level: 150 mm

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

Antenna type : PIFA Antenna ; Air temp. : 22.3 degrees ; Liquid temp. : 21.2 degrees

DASY4 Configuration:

- Probe: ET3DV6 - SN1687; ConvF(4.41, 4.41, 4.41) ; Calibrated: 2005/9/15
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn579; Calibrated: 2006/3/15
- Phantom: SAM 12; Type: SAM V4.0; Serial: TP 1202
- Measurement SW: DASY4, V4.7 Build 44; Postprocessing SW: SEMCAD, V1.8 Build 171

**Touch position - Mid Channel 39/Area Scan (7x10x1):** Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 0.006 mW/g

**Touch position - Mid Channel 39/Zoom Scan (7x7x7) (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 1.15 V/m

Peak SAR (extrapolated) = 0.008 W/kg

**SAR(1 g) = 0.00297 mW/g; SAR(10 g) = 0.00179 mW/g**

Maximum value of SAR (measured) = 0.008 mW/g

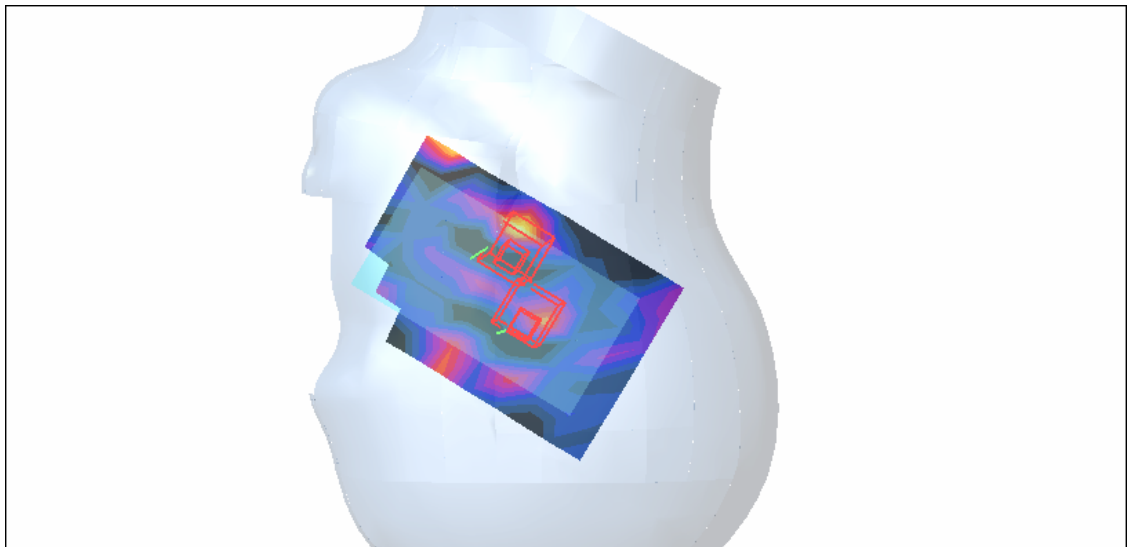
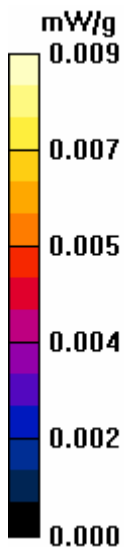
**Touch position - Mid Channel 39/Zoom Scan (7x7x7) (7x7x7)/Cube 1:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 1.15 V/m

Peak SAR (extrapolated) = 0.009 W/kg

**SAR(1 g) = 0.00224 mW/g; SAR(10 g) = 0.000908 mW/g**

Maximum value of SAR (measured) = 0.009 mW/g





Test Laboratory: Advance Data Technology

### **Right Head-Cheek-GSM850-CH251+BT-CH39-Mode 17**

**DUT: Pocket PC Phone ; Type: HERM100 ; Test Frequency: 848.8 MHz Frequency: 2441 MHz**

Communication System: PCS 850 Communication System: Bluetooth ; Frequency: 848.8 MHz Frequency: 2441 MHz ; Duty Cycle: 1:8.3 Duty Cycle: 1:1

Medium: HSL835 Medium: HSL2450 Medium parameters used:  $f = 848.8 \text{ MHz}$ ;  $\sigma = 0.9 \text{ mho/m}$ ;  $\epsilon_r = 41.3$ ;  $\rho = 1000 \text{ kg/m}^3$  Medium parameters used:  $f = 2441 \text{ MHz}$ ;  $\sigma = 1.84 \text{ mho/m}$ ;  $\epsilon_r = 39.8$ ;  $\rho = 1000 \text{ kg/m}^3$  ; Liquid level: 152 mm

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

Antenna type : monopole Antenna ; Air temp. : 22.8 degrees ; Liquid temp. : 21.9 degrees

DASY4 Configuration:

- Probe: ET3DV6 - SN1687; ConvF(6.34, 6.34, 6.34)ConvF(4.41, 4.41, 4.41) ; Calibrated: 2005/9/15
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn579; Calibrated: 2006/3/15
- Phantom: SAM 12; Type: SAM V4.0; Serial: TP 1202
- Measurement SW: DASY4, V4.7 Build 44; Postprocessing SW: SEMCAD, V1.8 Build 171

**Touch position - High Channel 251/Area Scan (7x10x1):** Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 0.370 mW/g

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

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

Reference Value = 16.5 V/m

Peak SAR (extrapolated) = 0.498 W/kg

**SAR(1 g) = 0.348 mW/g; SAR(10 g) = 0.249 mW/g**

Maximum value of SAR (measured) = 0.369 mW/g

**Touch position - Mid Channel 39/Area Scan (7x10x1):** Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 0.006 mW/g

**Touch position - Mid Channel 39/Zoom Scan (7x7x7) (7x7x7)/Cube 0:** Measurement grid:

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

Reference Value = 1.15 V/m

Peak SAR (extrapolated) = 0.008 W/kg

**SAR(1 g) = 0.00297 mW/g; SAR(10 g) = 0.00179 mW/g**

Maximum value of SAR (measured) = 0.008 mW/g

**Touch position - Mid Channel 39/Zoom Scan (7x7x7) (7x7x7)/Cube 1:** Measurement grid:

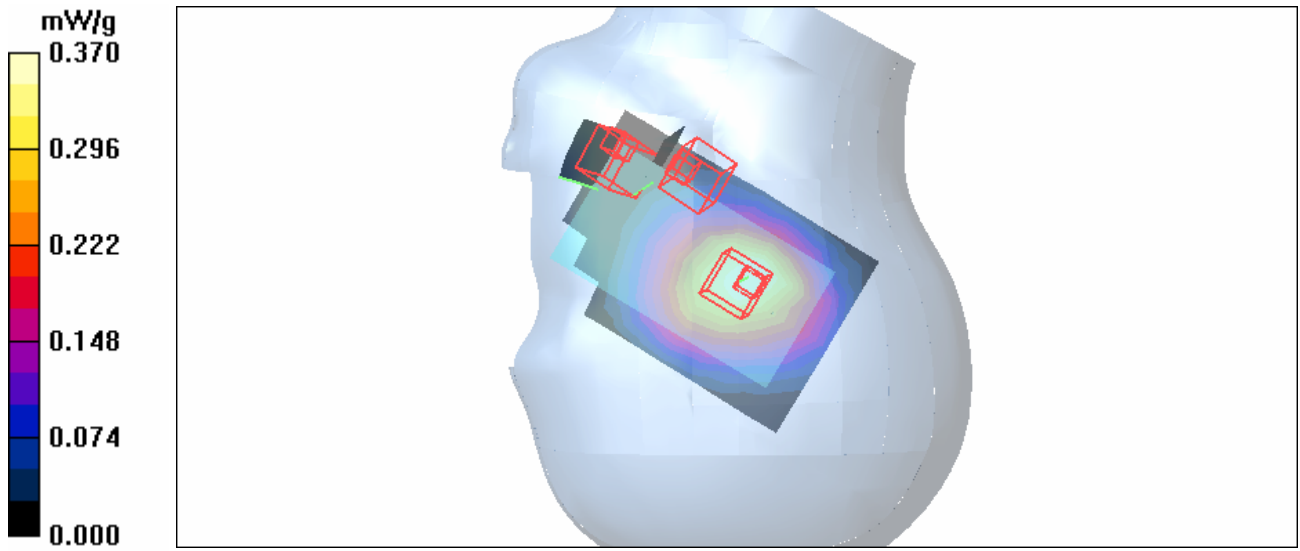
dx=5mm, dy=5mm, dz=5mm

Reference Value = 1.15 V/m

Peak SAR (extrapolated) = 0.009 W/kg

**SAR(1 g) = 0.00224 mW/g; SAR(10 g) = 0.000908 mW/g**

Maximum value of SAR (measured) = 0.009 mW/g



Test Laboratory: Advance Data Technology

### **Right Head-Cheek-WCDMA1900-CH9262+BT-CH39-Mode 18**

**DUT: Pocket PC Phone ; Type: HERM100 ; Test Frequency: 1852.4 MHz Frequency: 2441 MHz**

Communication System: WCDMA1900 Communication System: Bluetooth ; Frequency: 1852.4 MHz Frequency: 2441 MHz ; Duty Cycle: 1:1

Medium: HSL1900 Medium: HSL2450 Medium parameters used:  $f = 1852.4$  MHz;  $\sigma = 1.35$  mho/m;  $\epsilon_r = 40.9$ ;  $\rho = 1000$  kg/m<sup>3</sup> Medium parameters used:  $f = 2441$  MHz;  $\sigma = 1.84$  mho/m;  $\epsilon_r = 39.8$ ;  $\rho = 1000$  kg/m<sup>3</sup> ; Liquid level: 155 mm

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

Antenna type : monopole Antenna ; Air temp. : 22.5 degrees ; Liquid temp. : 21.3 degrees

DASY4 Configuration:

- Probe: ET3DV6 - SN1687; ConvF(4.96, 4.96, 4.96)ConvF(4.41, 4.41, 4.41) ; Calibrated: 2005/9/15
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn579; Calibrated: 2006/3/15
- Phantom: SAM 12; Type: SAM V4.0; Serial: TP 1202
- Measurement SW: DASY4, V4.7 Build 44; Postprocessing SW: SEMCAD, V1.8 Build 171

**Touch position - Low Channel 9262/Area Scan (7x10x1):** Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 0.672 mW/g

**Touch position - Low Channel 9262/Zoom Scan (7x7x7) (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 24.9 V/m

Peak SAR (extrapolated) = 0.994 W/kg

**SAR(1 g) = 0.644 mW/g; SAR(10 g) = 0.384 mW/g**

Maximum value of SAR (measured) = 0.706 mW/g

**Touch position - Mid Channel 39/Area Scan (7x10x1):** Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 0.006 mW/g

**Touch position - Mid Channel 39/Zoom Scan (7x7x7) (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 1.15 V/m

Peak SAR (extrapolated) = 0.008 W/kg

**SAR(1 g) = 0.00297 mW/g; SAR(10 g) = 0.00179 mW/g**

Maximum value of SAR (measured) = 0.008 mW/g

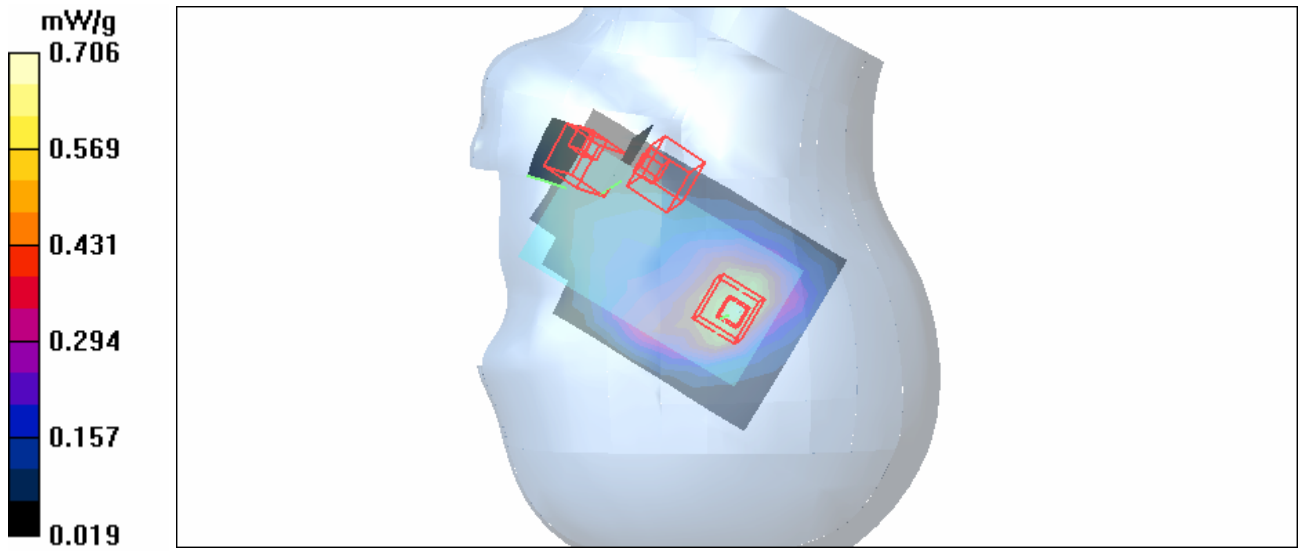
**Touch position - Mid Channel 39/Zoom Scan (7x7x7) (7x7x7)/Cube 1:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 1.15 V/m

Peak SAR (extrapolated) = 0.009 W/kg

**SAR(1 g) = 0.00224 mW/g; SAR(10 g) = 0.000908 mW/g**

Maximum value of SAR (measured) = 0.009 mW/g



Test Laboratory: Advance Data Technology

### **Body Worn-Keypad Down-GPRS850-CH251+11b-CH1-Mode 19**

**DUT: Pocket PC Phone ; Type: HERM100 ; Test Frequency: 848.8 MHz Frequency: 2412 MHz**

Communication System: PCS 850 Communication System: 802.11b ; Frequency: 848.8 MHz Frequency: 2412 MHz ; Duty Cycle: 1:4 Duty Cycle: 1:1

Medium: MSL835 Medium: MSL2450 Medium parameters used:  $f = 848.8 \text{ MHz}$ ;  $\sigma = 0.95 \text{ mho/m}$ ;  $\epsilon_r = 53.9$ ;  $\rho = 1000 \text{ kg/m}^3$  Medium parameters used:  $f = 2412 \text{ MHz}$ ;  $\sigma = 1.94 \text{ mho/m}$ ;  $\epsilon_r = 52.8$ ;  $\rho = 1000 \text{ kg/m}^3$  ; Liquid Level : 150 mm

Phantom section: Flat Section ; DUT test position : Body ; Modulation Type: GMSK / UL 2 time slots Separation Distance : 0 mm ( The bottom side of the EUT to the Phantom)

Antenna Type : monopole Antenna ; Air Temp. : 22.2 degrees ; Liquid Temp. : 21.1 degrees

DASY4 Configuration:

- Probe: ET3DV6 - SN1687 ; ConvF(6.21, 6.21, 6.21)ConvF(4.13, 4.13, 4.13) ; Calibrated: 2005/9/15
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn579 ; Calibrated: 2006/3/15
- Phantom: SAM 12 ; Type: SAM V4.0; Serial: TP 1202
- Measurement SW: DASY4, V4.7 Build 44 ; Postprocessing SW: SEMCAD, V1.8 Build 171

**High Channel 251/Area Scan (7x10x1):** Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 0.593 mW/g

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

Reference Value = 15.8 V/m

Peak SAR (extrapolated) = 0.852 W/kg

**SAR(1 g) = 0.599 mW/g; SAR(10 g) = 0.415 mW/g**

Maximum value of SAR (measured) = 0.639 mW/g

**Low Channel 1/Area Scan (7x10x1):** Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 0.137 mW/g

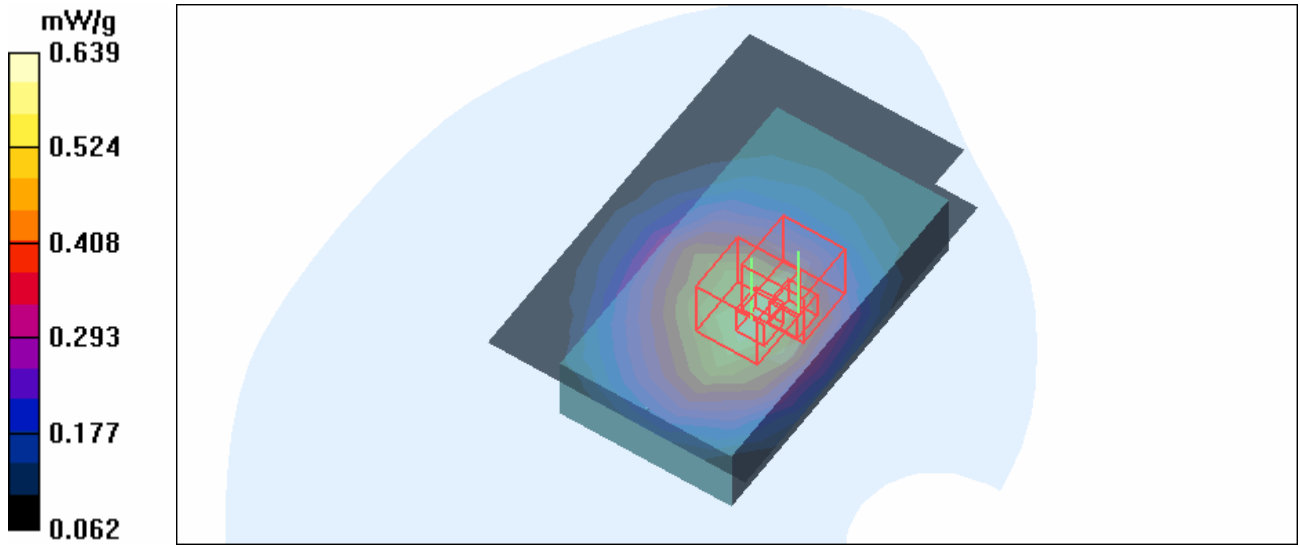
**Low Channel 1/Zoom Scan (7x7x7) (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 5.31 V/m

Peak SAR (extrapolated) = 0.581 W/kg

**SAR(1 g) = 0.156 mW/g; SAR(10 g) = 0.074 mW/g**

Maximum value of SAR (measured) = 0.172 mW/g



Test Laboratory: Advance Data Technology

### **Body Worn-Keypad Down-GPRS1900-CH512+11b-CH1-Mode 20**

**DUT: Pocket PC Phone ; Type: HERM100 ; Test Frequency: 1850.2 MHz Frequency: 2412 MHz**  
Communication System: PCS 1900 Communication System: 802.11b ; Frequency: 1850.2 MHz Frequency:  
2412 MHz ; Duty Cycle: 1:4 Duty Cycle: 1:1  
Medium: MSL1900 Medium: MSL2450 Medium parameters used:  $f = 1850.2$  MHz;  $\sigma = 1.5$  mho/m;  $\epsilon_r = 54.5$ ;  $\rho = 1000$  kg/m<sup>3</sup> Medium parameters used:  $f = 2412$  MHz;  $\sigma = 1.94$  mho/m;  $\epsilon_r = 52.8$ ;  $\rho = 1000$  kg/m<sup>3</sup> ; Liquid Level : 151 mm  
Phantom section: Flat Section ; DUT test position : Body ; Modulation Type: GMSK / UL 2 time slots  
Separation Distance : 0 mm ( The bottom side of the EUT to the Phantom)  
Antenna Type : monopole Antenna ; Air Temp. : 22.7 degrees ; Liquid Temp. : 21.7 degrees  
DASY4 Configuration:  
- Probe: ET3DV6 - SN1687 ; ConvF(4.39, 4.39, 4.39)ConvF(4.13, 4.13, 4.13) ; Calibrated: 2005/9/15  
- Sensor-Surface: 4mm (Mechanical Surface Detection)  
- Electronics: DAE3 Sn579 ; Calibrated: 2006/3/15  
- Phantom: SAM 12 ; Type: SAM V4.0; Serial: TP 1202  
- Measurement SW: DASY4, V4.7 Build 44 ; Postprocessing SW: SEMCAD, V1.8 Build 171

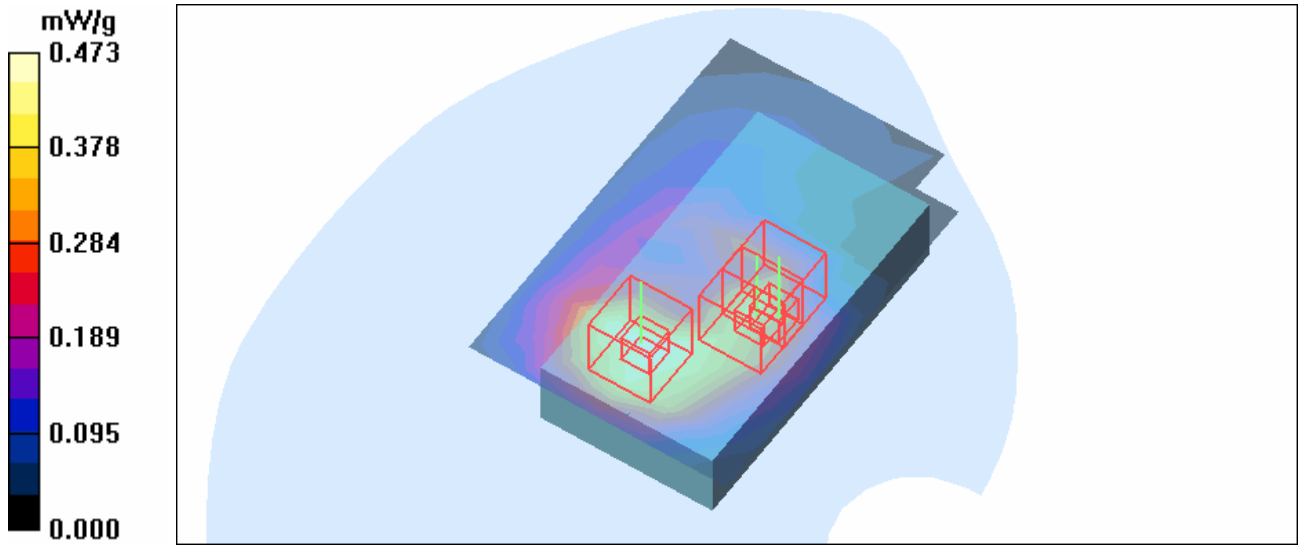
**Low Channel 512/Area Scan (7x10x1):** Measurement grid: dx=15mm, dy=15mm  
Maximum value of SAR (measured) = 0.472 mW/g

**Low Channel 512/Zoom Scan (7x7x7) (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm  
Reference Value = 16.3 V/m  
Peak SAR (extrapolated) = 0.766 W/kg  
**SAR(1 g) = 0.443 mW/g; SAR(10 g) = 0.287 mW/g**  
Maximum value of SAR (measured) = 0.473 mW/g

**Low Channel 512/Zoom Scan (7x7x7) (7x7x7)/Cube 1:** Measurement grid: dx=5mm, dy=5mm, dz=5mm  
Reference Value = 16.3 V/m  
Peak SAR (extrapolated) = 0.741 W/kg  
**SAR(1 g) = 0.414 mW/g; SAR(10 g) = 0.235 mW/g**  
Maximum value of SAR (measured) = 0.470 mW/g

**Low Channel 1/Area Scan (7x10x1):** Measurement grid: dx=15mm, dy=15mm  
Maximum value of SAR (measured) = 0.137 mW/g

**Low Channel 1/Zoom Scan (7x7x7) (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm  
Reference Value = 5.31 V/m  
Peak SAR (extrapolated) = 0.581 W/kg  
**SAR(1 g) = 0.156 mW/g; SAR(10 g) = 0.074 mW/g**  
Maximum value of SAR (measured) = 0.172 mW/g





Test Laboratory: Advance Data Technology

**Body Worn-Keypad Down-WCDMA1900-CH9262-Mode 21****DUT: Pocket PC Phone ; Type: HERM100 ; Test Frequency: 1852.4 MHz Frequency: 2412 MHz**

Communication System: WCDMA1900 Communication System: 802.11b ; Frequency: 1852.4

MHz Frequency: 2412 MHz ; Duty Cycle: 1:1

Medium: MSL1900 Medium: MSL2450 Medium parameters used :  $f = 1852.4$  MHz;  $\sigma = 1.5$  mho/m;  $\epsilon_r = 54.5$ ;  $\rho = 1000$  kg/m<sup>3</sup> Medium parameters used:  $f = 2412$  MHz;  $\sigma = 1.94$  mho/m;  $\epsilon_r = 52.8$ ;  $\rho = 1000$  kg/m<sup>3</sup> ; Liquid Level : 151 mm

Phantom section: Flat Section ; DUT test position : Body ; Modulation Type: BPSK

Separation Distance : 0 mm ( The bottom side of the EUT to the Phantom)

Antenna Type : monopole Antenna ; Air Temp. : 22.7 degrees ; Liquid Temp. : 21.7 degrees

DASY4 Configuration:

- Probe: ET3DV6 - SN1687 ; ConvF(4.39, 4.39, 4.39)ConvF(4.13, 4.13, 4.13) ; Calibrated: 2005/9/15
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn579 ; Calibrated: 2006/3/15
- Phantom: SAM 12 ; Type: SAM V4.0; Serial: TP 1202
- Measurement SW: DASY4, V4.7 Build 44 ; Postprocessing SW: SEMCAD, V1.8 Build 171

**Low Channel 9262/Area Scan (7x10x1):** Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 0.717 mW/g

**Low Channel 9262/Zoom Scan (7x7x7) (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 23.2 V/m

Peak SAR (extrapolated) = 1.01 W/kg

**SAR(1 g) = 0.682 mW/g; SAR(10 g) = 0.434 mW/g**

Maximum value of SAR (measured) = 0.737 mW/g

**Low Channel 9262/Zoom Scan (7x7x7) (7x7x7)/Cube 1:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 23.2 V/m

Peak SAR (extrapolated) = 1.01 W/kg

**SAR(1 g) = 0.562 mW/g; SAR(10 g) = 0.319 mW/g**

Maximum value of SAR (measured) = 0.622 mW/g

**Low Channel 1/Area Scan (7x10x1):** Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 0.137 mW/g

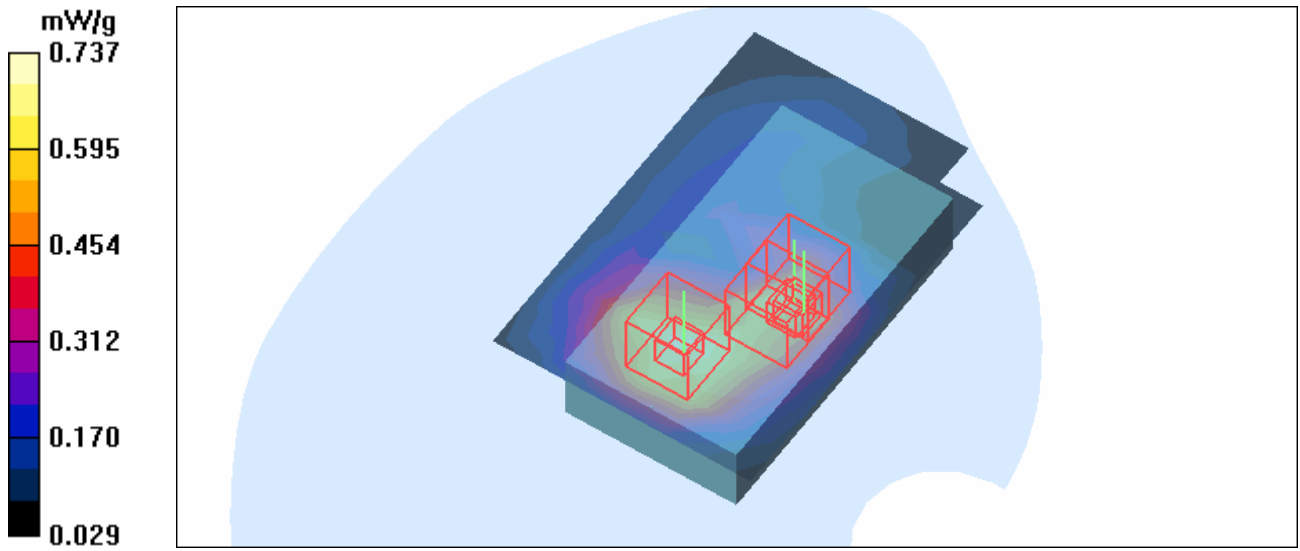
**Low Channel 1/Zoom Scan (7x7x7) (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 5.31 V/m

Peak SAR (extrapolated) = 0.581 W/kg

**SAR(1 g) = 0.156 mW/g; SAR(10 g) = 0.074 mW/g**

Maximum value of SAR (measured) = 0.172 mW/g



Test Laboratory: Advance Data Technology

## System Validation Check-HSL 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: HSL835;Medium parameters used:  $f = 835$  MHz;  $\sigma = 0.9$  mho/m;  $\epsilon_r = 41.4$ ;  $\rho = 1000$  kg/m<sup>3</sup> ;  
 Liquid level : 152 mm  
 Phantom section: Flat Section ; Separation distance : 15 mm (The feetpoint of the dipole to the Phantom)Air temp. : 22.8 degrees ; Liquid temp. : 21.9 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 Sn579; Calibrated: 2006/3/15
- Phantom: SAM 12; Type: SAM V4.0; Serial: TP 1202
- Measurement SW: DASY4, V4.7 Build 44; Postprocessing SW: SEMCAD, V1.8 Build 171

**d=15mm, Pin=250mW/Area Scan (7x9x1):** Measurement grid: dx=15mm, dy=15mm  
 Maximum value of SAR (measured) = 2.36 mW/g

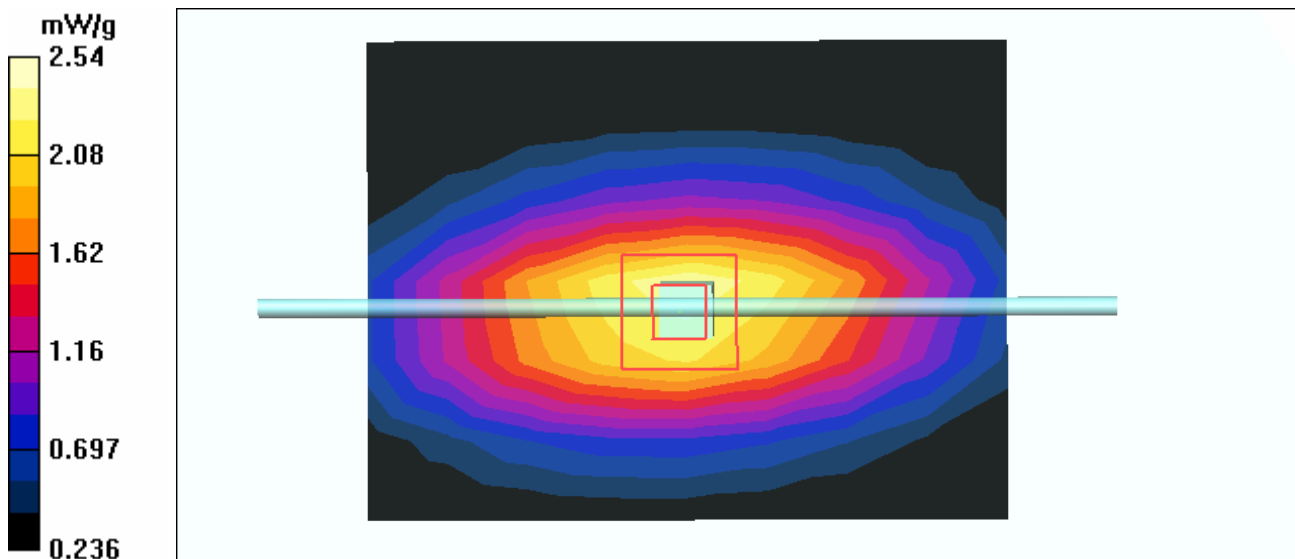
**d=15mm, Pin=250mW/Zoom Scan (7x7x7) (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 54.8 V/m; Power Drift = -0.071 dB

Peak SAR (extrapolated) = 3.45 W/kg

**SAR(1 g) = 2.35 mW/g; SAR(10 g) = 1.54 mW/g**

Maximum value of SAR (measured) = 2.54 mW/g



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:  $f = 835$  MHz;  $\sigma = 0.94$  mho/m;  $\epsilon_r = 54.1$ ;  $\rho = 1000$  kg/m<sup>3</sup> ;  
 Liquid level : 150 mm  
 Phantom section: Flat Section ; Separation distance : 15 mm (The feetpoint of the dipole to the Phantom)  
 Air temp. : 22.2 degrees ; Liquid temp. : 21.1 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 Sn579; Calibrated: 2006/3/15
- Phantom: SAM 12; Type: SAM V4.0; Serial: TP 1202
- Measurement SW: DASY4, V4.7 Build 44; Postprocessing SW: SEMCAD, V1.8 Build 171

**d=15mm, Pin=250mW/Area Scan (7x9x1):** Measurement grid: dx=15mm, dy=15mm  
 Maximum value of SAR (measured) = 2.28 mW/g

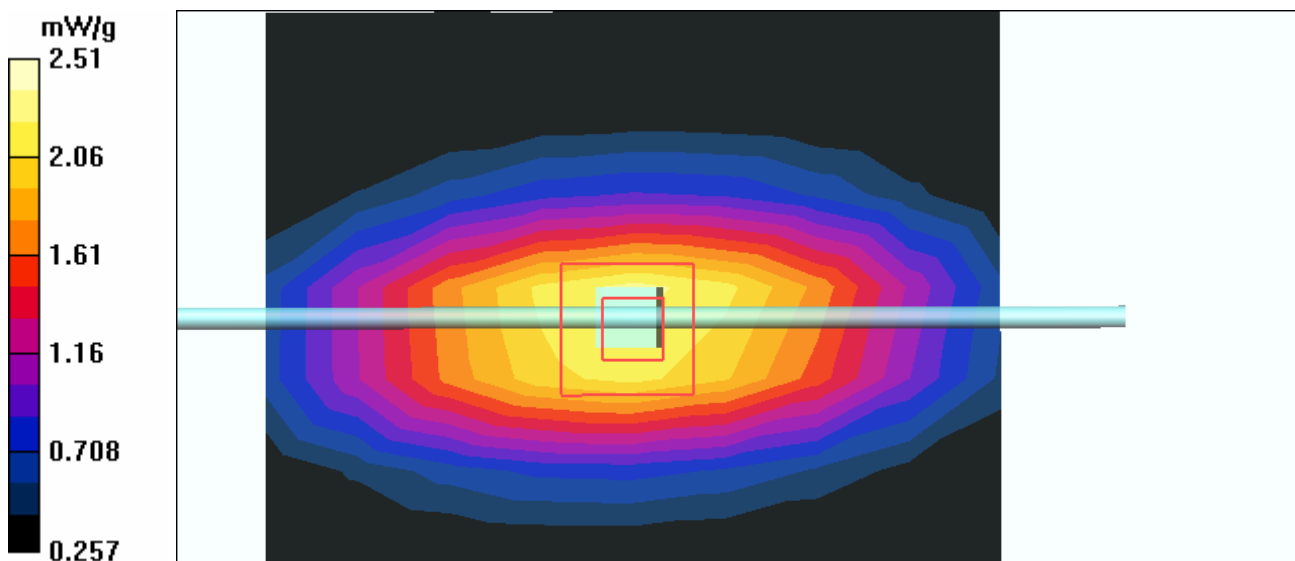
**d=15mm, Pin=250mW/Zoom Scan (7x7x7) (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 52.5 V/m; Power Drift = -0.096 dB

Peak SAR (extrapolated) = 3.30 W/kg

**SAR(1 g) = 2.33 mW/g; SAR(10 g) = 1.55 mW/g**

Maximum value of SAR (measured) = 2.51 mW/g



Test Laboratory: Advance Data Technology

## System Validation Check-HSL 1900MHz

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

Communication System: CW ; Frequency: 1900 MHz; Duty Cycle: 1:1; Modulation type: CW  
 Medium: HSL1900; Medium parameters used:  $f = 1900 \text{ MHz}$ ;  $\sigma = 1.41 \text{ mho/m}$ ;  $\epsilon_r = 40.7$ ;  $\rho = 1000 \text{ kg/m}^3$  ;  
 Liquid level : 155 mm  
 Phantom section: Flat Section ; Separation distance : 10 mm (The feetpoint of the dipole to the Phantom)  
 Air temp. : 22.5 degrees ; Liquid temp. : 21.3 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 Sn579; Calibrated: 2006/3/15
- Phantom: SAM 12; Type: SAM V4.0; Serial: TP 1202
- Measurement SW: DASY4, V4.7 Build 44; Postprocessing SW: SEMCAD, V1.8 Build 171

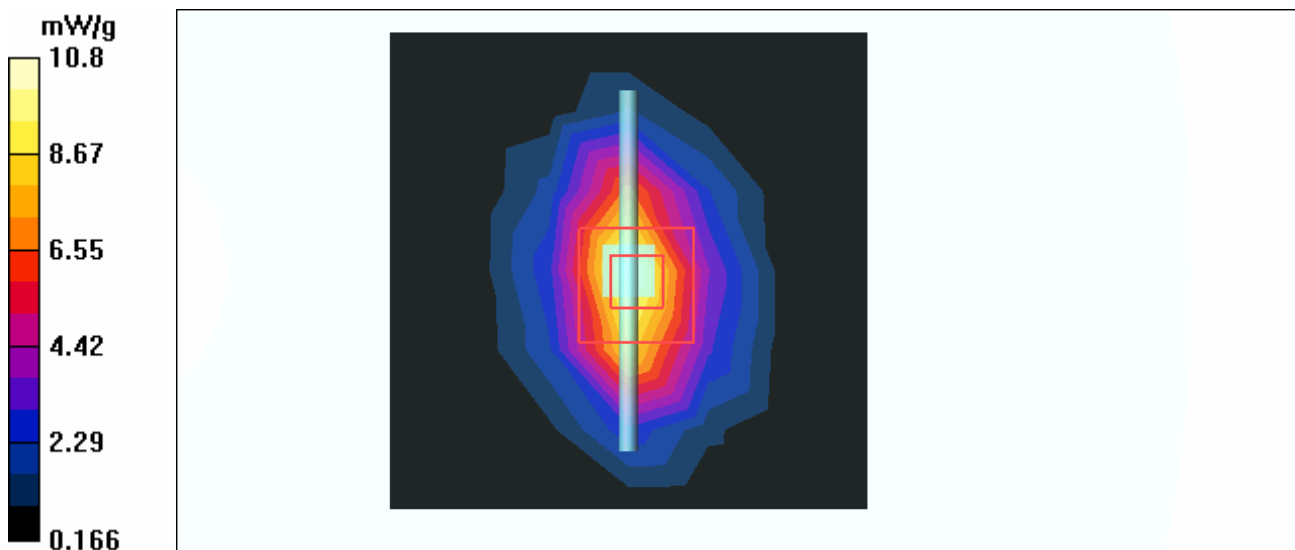
**d=10mm, Pin=250mW/Area Scan (7x7x1):** Measurement grid: dx=15mm, dy=15mm  
 Maximum value of SAR (measured) = 10.8 mW/g

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

Reference Value = 93.1 V/m; Power Drift = 0.056 dB

Peak SAR (extrapolated) = 16.1 W/kg

**SAR(1 g) = 9.52 mW/g; SAR(10 g) = 5.07 mW/g**



Test Laboratory: Advance Data Technology

## System Validation Check-MSL 1900MHz

**DUT: Dipole 1900 MHz ; Type: D1900V2 ; Serial: 5d036 ; 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;  $\epsilon_r = 54.4$ ;  $\rho = 1000$  kg/m<sup>3</sup> ; Liquid level : 151 mm  
 Phantom section: Flat Section ; Separation distance : 10 mm (The feetpoint of the dipole to the Phantom) Air temp. : 22.7 degrees ; Liquid temp. : 21.7 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 Sn579; Calibrated: 2006/3/15
- Phantom: SAM 12; Type: SAM V4.0; Serial: TP 1202
- Measurement SW: DASY4, V4.7 Build 44; Postprocessing SW: SEMCAD, V1.8 Build 171

**d=10mm, Pin=250mW/Area Scan (7x7x1):** Measurement grid: dx=15mm, dy=15mm  
 Maximum value of SAR (measured) = 11.0 mW/g

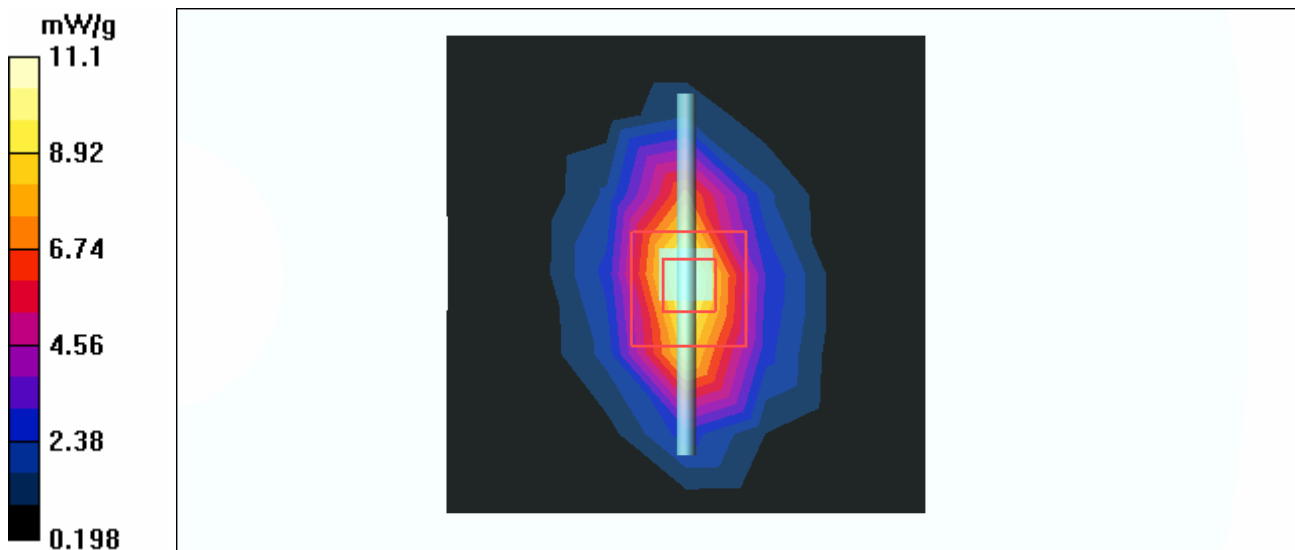
**d=10mm, Pin=250mW/Zoom Scan (7x7x7) (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 89.2 V/m; Power Drift = -0.106 dB

Peak SAR (extrapolated) = 16.7 W/kg

**SAR(1 g) = 9.77 mW/g; SAR(10 g) = 5.21 mW/g**

Maximum value of SAR (measured) = 11.1 mW/g



Test Laboratory: Advance Data Technology

## System Validation Check-HSL 1900MHz

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

Communication System: CW ; Frequency: 1900 MHz; Duty Cycle: 1:1; Modulation type: CW  
 Medium: HSL1900; Medium parameters used:  $f = 1900 \text{ MHz}$ ;  $\sigma = 1.42 \text{ mho/m}$ ;  $\epsilon_r = 41.2$ ;  $\rho = 1000 \text{ kg/m}^3$  ;  
 Liquid level : 155 mm  
 Phantom section: Flat Section ; Separation distance : 10 mm (The feetpoint of the dipole to the Phantom)  
 Air temp. : 22.5 degrees ; Liquid temp. : 21.3 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 Sn579; Calibrated: 2006/3/15
- Phantom: SAM 12; Type: SAM V4.0; Serial: TP 1202
- Measurement SW: DASY4, V4.7 Build 44; Postprocessing SW: SEMCAD, V1.8 Build 171

**d=10mm, Pin=250mW/Area Scan (7x7x1):** Measurement grid: dx=15mm, dy=15mm  
 Maximum value of SAR (measured) = 10.8 mW/g

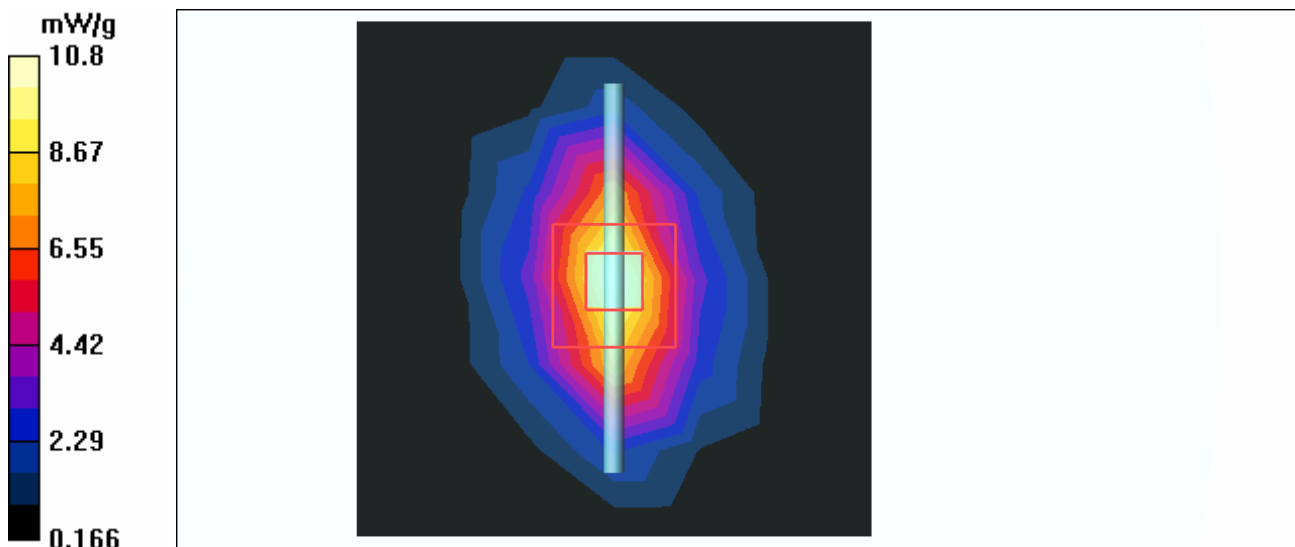
**d=10mm, Pin=250mW/Zoom Scan (7x7x7) (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 92.1 V/m; Power Drift = 0.016 dB

Peak SAR (extrapolated) = 16.0 W/kg

**SAR(1 g) = 9.49 mW/g; SAR(10 g) = 5.05 mW/g**

Maximum value of SAR (measured) = 10.7 mW/g



Test Laboratory: Advance Data Technology

## System Validation Check-MSL 1900MHz

**DUT: Dipole 1900 MHz ; Type: D1900V2 ; Serial: 5d036 ; 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;  $\sigma = 1.58$  mho/m;  $\epsilon_r = 54.2$ ;  $\rho = 1000$  kg/m<sup>3</sup> ; Liquid level : 151 mm  
 Phantom section: Flat Section ; Separation distance : 10 mm (The feetpoint of the dipole to the Phantom) Air temp. : 22.7 degrees ; Liquid temp. : 21.7 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 Sn579; Calibrated: 2006/3/15
- Phantom: SAM 12; Type: SAM V4.0; Serial: TP 1202
- Measurement SW: DASY4, V4.7 Build 44; Postprocessing SW: SEMCAD, V1.8 Build 171

**d=10mm, Pin=250mW/Area Scan (7x7x1):** Measurement grid: dx=15mm, dy=15mm  
 Maximum value of SAR (measured) = 11.1 mW/g

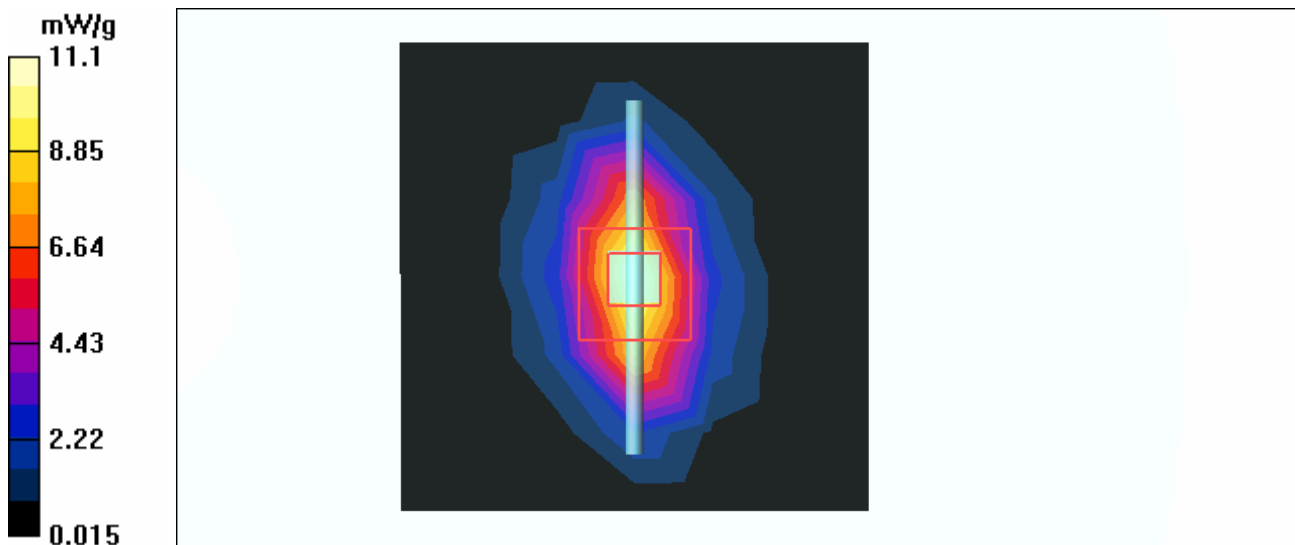
**d=10mm, Pin=250mW/Zoom Scan (7x7x7) (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 89.4 V/m; Power Drift = -0.105 dB

Peak SAR (extrapolated) = 16.6 W/kg

**SAR(1 g) = 9.74 mW/g; SAR(10 g) = 5.2 mW/g**

Maximum value of SAR (measured) = 11.0 mW/g





Test Laboratory: Advance Data Technology

## System Validation Check-HSL 2450MHz

**DUT: Dipole 2450 MHz ; Type: D2450V2 ; Serial: 737 ; Test Frequency: 2450 MHz**

Communication System: CW ; Frequency: 2450 MHz; Duty Cycle: 1:1; Modulation type: CW  
 Medium: HSL2450; Medium parameters used:  $f = 2450 \text{ MHz}$ ;  $\sigma = 1.85 \text{ mho/m}$ ;  $\epsilon_r = 39.8$ ;  $\rho = 1000 \text{ kg/m}^3$  ;  
 Liquid level : 150 mm  
 Phantom section: Flat Section ; Separation distance : 10 mm (The feetpoint of the dipole to the Phantom)  
 Air temp. : 22.3 degrees ; Liquid temp. : 21.2 degrees

DASY4 Configuration:

- Probe: ET3DV6 - SN1687 ; ConvF(4.41, 4.41, 4.41) ; Calibrated: 2005/9/15
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn579; Calibrated: 2006/3/15
- Phantom: SAM 12; Type: SAM V4.0; Serial: TP 1202
- Measurement SW: DASY4, V4.7 Build 44; Postprocessing SW: SEMCAD, V1.8 Build 171

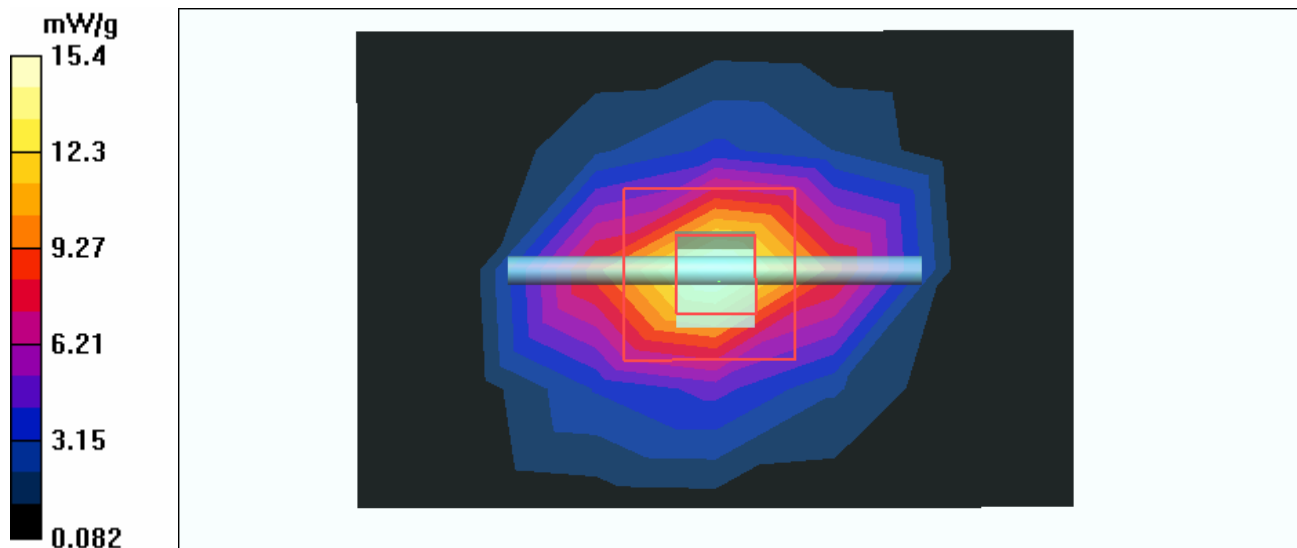
**d=10mm, Pin=250mW/Area Scan (5x7x1):** Measurement grid: dx=15mm, dy=15mm  
 Maximum value of SAR (measured) = 15.4 mW/g

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

Reference Value = 95.6 V/m; Power Drift = -0.082 dB

Peak SAR (extrapolated) = 28.2 W/kg

**SAR(1 g) = 13.5 mW/g; SAR(10 g) = 6.3 mW/g**



Test Laboratory: Advance Data Technology

## System Validation Check-MSL 2450MHz

**DUT: Dipole 2450 MHz ; Type: D2450V2 ; Serial: 737 ; Test Frequency: 2450 MHz**

Communication System: CW ; Frequency: 2450 MHz; Duty Cycle: 1:1; Modulation type: CW  
 Medium: MSL2450; Medium parameters used:  $f = 2450$  MHz;  $\sigma = 2$  mho/m;  $\epsilon_r = 52.7$ ;  $\rho = 1000$  kg/m<sup>3</sup> ;  
 Liquid level : 155 mm  
 Phantom section: Flat Section ; Separation distance : 10 mm (The feetpoint of the dipole to the Phantom)  
 Air temp. : 22.6 degrees ; Liquid temp. : 21.7 degrees

DASY4 Configuration:

- Probe: ET3DV6 - SN1687 ; ConvF(4.13, 4.13, 4.13) ; Calibrated: 2005/9/15
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn579; Calibrated: 2006/3/15
- Phantom: SAM 12; Type: SAM V4.0; Serial: TP 1202
- Measurement SW: DASY4, V4.7 Build 44; Postprocessing SW: SEMCAD, V1.8 Build 171

**d=10mm, Pin=250mW/Area Scan (5x7x1):** Measurement grid: dx=15mm, dy=15mm  
 Maximum value of SAR (measured) = 15.6 mW/g

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

Reference Value = 91.2 V/m; Power Drift = -0.044 dB

Peak SAR (extrapolated) = 30.7 W/kg

**SAR(1 g) = 13.9 mW/g; SAR(10 g) = 6.47 mW/g**

Maximum value of SAR (measured) = 15.7 mW/g

