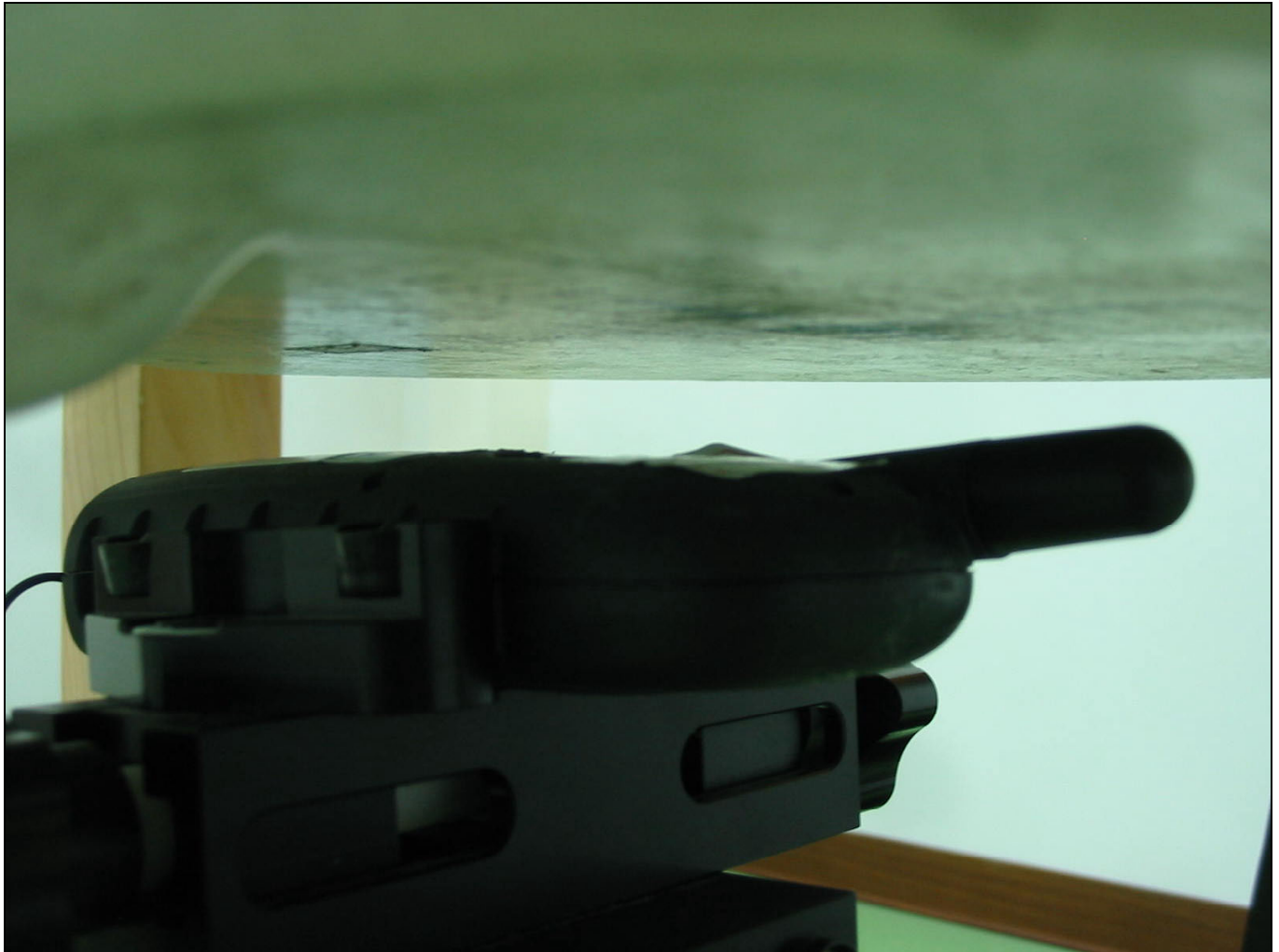


APPENDIX A: TEST CONFIGURATIONS AND TEST DATA

A1: TEST CONFIGURATION

Mode 1 Body Worn Bottom Position



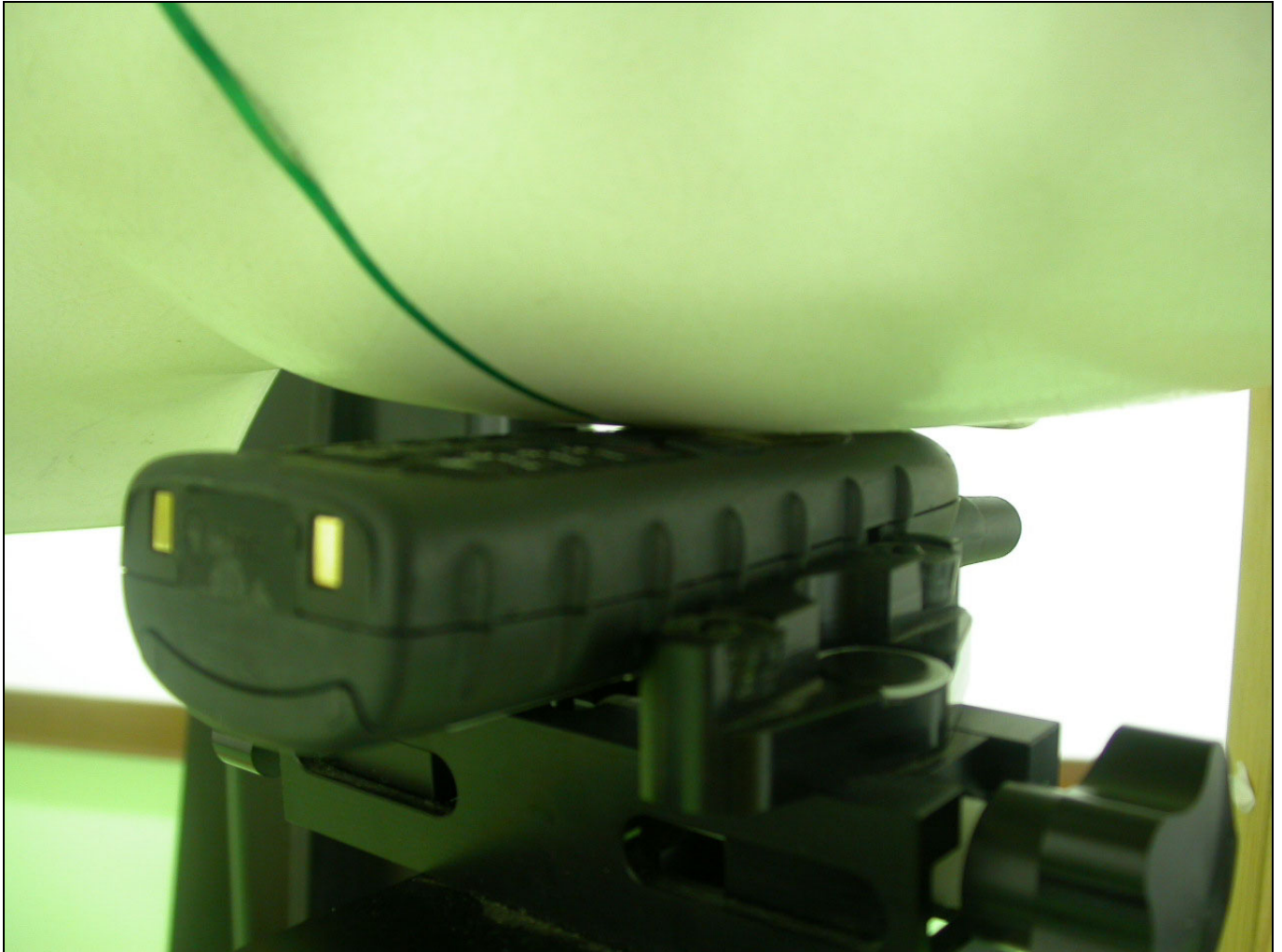
The bottom of the EUT to the flat phantom distance 15 mm

Mode 2 Body Worn Front Position



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

Mode 3 Left Head Cheek Position



Mode 4 Left Head Tilt Position



Mode 5 Right Head Cheek Position



Mode 6 Right Head Tilt Position

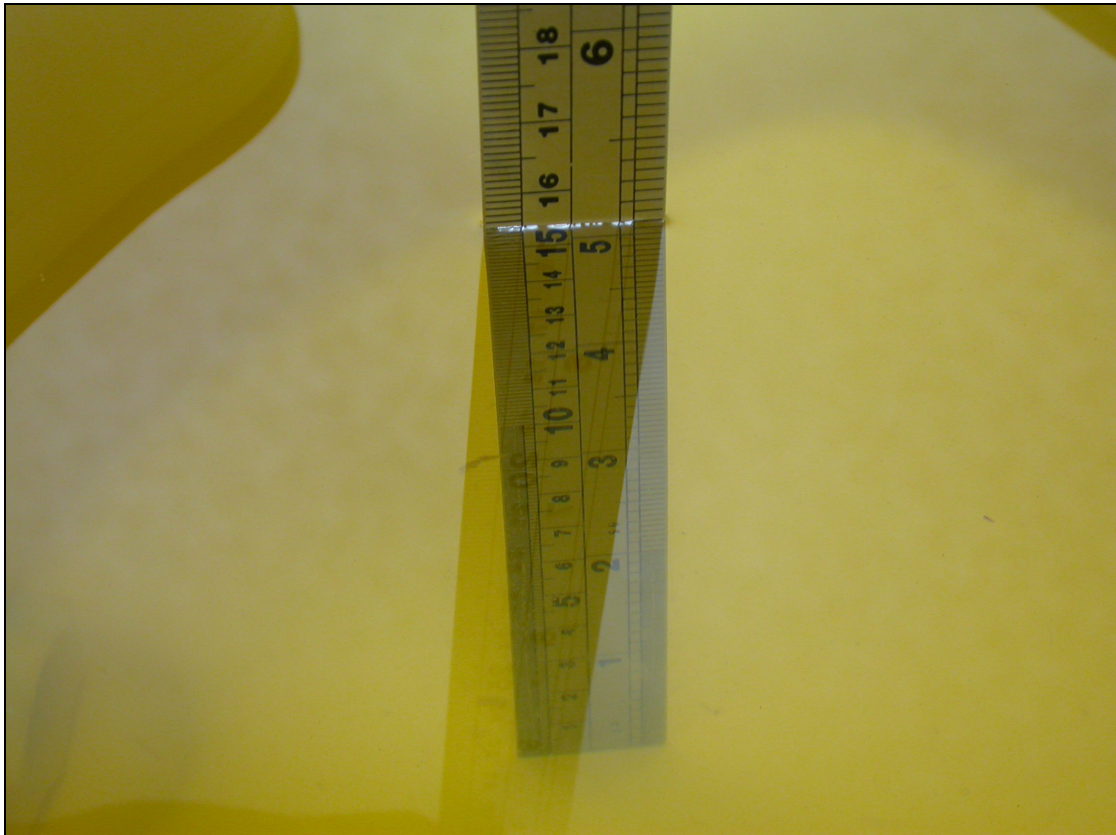


EUT Photo

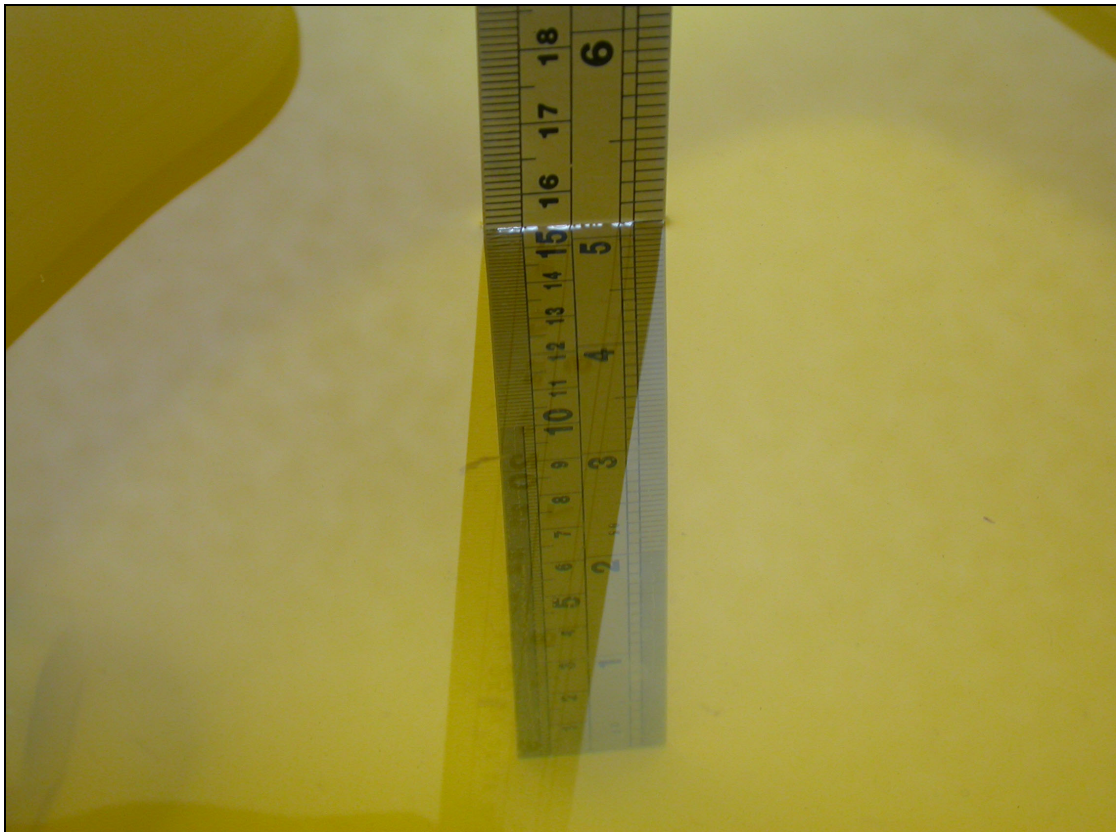


Liquid Level Photo

HSL1900MHz D=155mm



HSL1900MHz D=155mm



A2 : TEST DATA

Date/Time: 07/20/04 17:19:00

Test Laboratory: Advance Data Technology

SN-1302 BodyWorn Bottom 15mm Mode 1 Ch 2

DUT: Industrial cordless phone system ~ DuraFon 1X ; Type: SN-1302 ; Test Channel Frequency: 902.5 MHz

Communication System: E-GSM 900 ; Frequency: 902.5 MHz ; Duty Cycle: 1:1

Medium: MSL900 ($\sigma = 1.0104$ mho/m, $\epsilon_r = 54.2235$, $\rho = 1000$ kg/m³) ; Liquid Level : 155mm

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

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

Antenna Type : External Antenna ; Air Temp. : 22.0 degrees ; Liquid Temp. : 21.0 degrees

DASY4 Configuration:

- Probe: ET3DV6 - SN1790 ; ConvF(6.2, 6.2, 6.2) ; Calibrated: 2003/8/29
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn579 ; Calibrated: 2003/8/15
- Phantom: SAM 12 ; Type: SAM V4.0; Serial: TP 1202
- Measurement SW: DASY4, V4.1 Build 47 ; Postprocessing SW: SEMCAD, V1.6 Build 115

Low Channel/Area Scan (6x11x1): Measurement grid: dx=15mm, dy=15mm

Reference Value = 6.65 V/m

Power Drift = -0.1 dB

Maximum value of SAR = 0.0693 mW/g

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

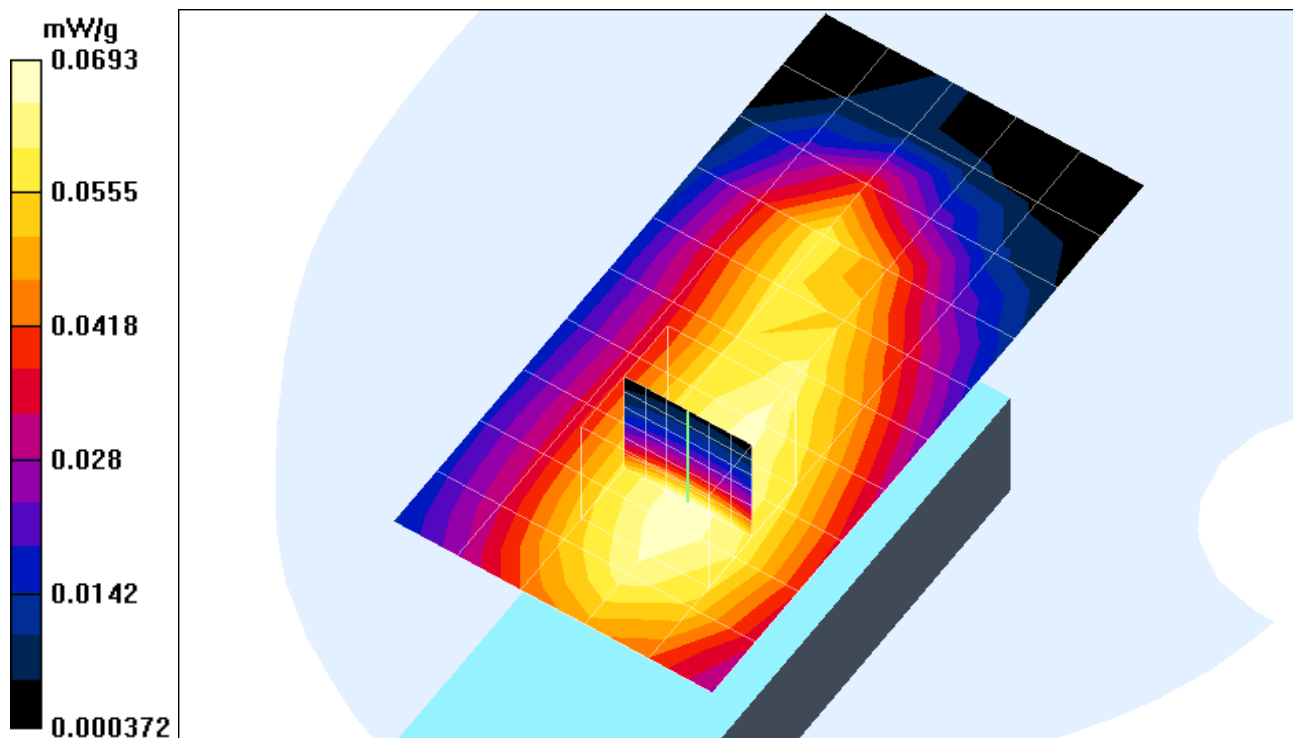
Peak SAR (extrapolated) = 0.081 W/kg

SAR(1 g) = 0.0649 mW/g; SAR(10 g) = 0.0478 mW/g

Reference Value = 6.65 V/m

Power Drift = -0.1 dB

Maximum value of SAR = 0.0684 mW/g



Test Laboratory: Advance Data Technology

SN-1302 BodyWorn Bottom 15mm Mode 1 Ch 64

DUT: Industrial cordless phone system ~ DuraFon 1X ; Type: SN-1302 ; Test Channel Frequency: 915.1 MHz

Communication System: E-GSM 900 ; Frequency: 915.1 MHz ; Duty Cycle: 1:1

Medium: MSL900 ($\sigma = 1.0232$ mho/m, $\epsilon_r = 54.1388$, $\rho = 1000$ kg/m³) ; Liquid Level : 155mm

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

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

Antenna Type : External Antenna ; Air Temp. : 22.0 degrees ; Liquid Temp. : 21.0 degrees

DASY4 Configuration:

- Probe: ET3DV6 - SN1790 ; ConvF(6.2, 6.2, 6.2) ; Calibrated: 2003/8/29
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn579 ; Calibrated: 2003/8/15
- Phantom: SAM 12 ; Type: SAM V4.0; Serial: TP 1202
- Measurement SW: DASY4, V4.1 Build 47 ; Postprocessing SW: SEMCAD, V1.6 Build 115

Middle Channel/Area Scan (6x11x1): Measurement grid: dx=15mm, dy=15mm

Reference Value = 5.28 V/m

Power Drift = -0.1 dB

Maximum value of SAR = 0.0417 mW/g

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

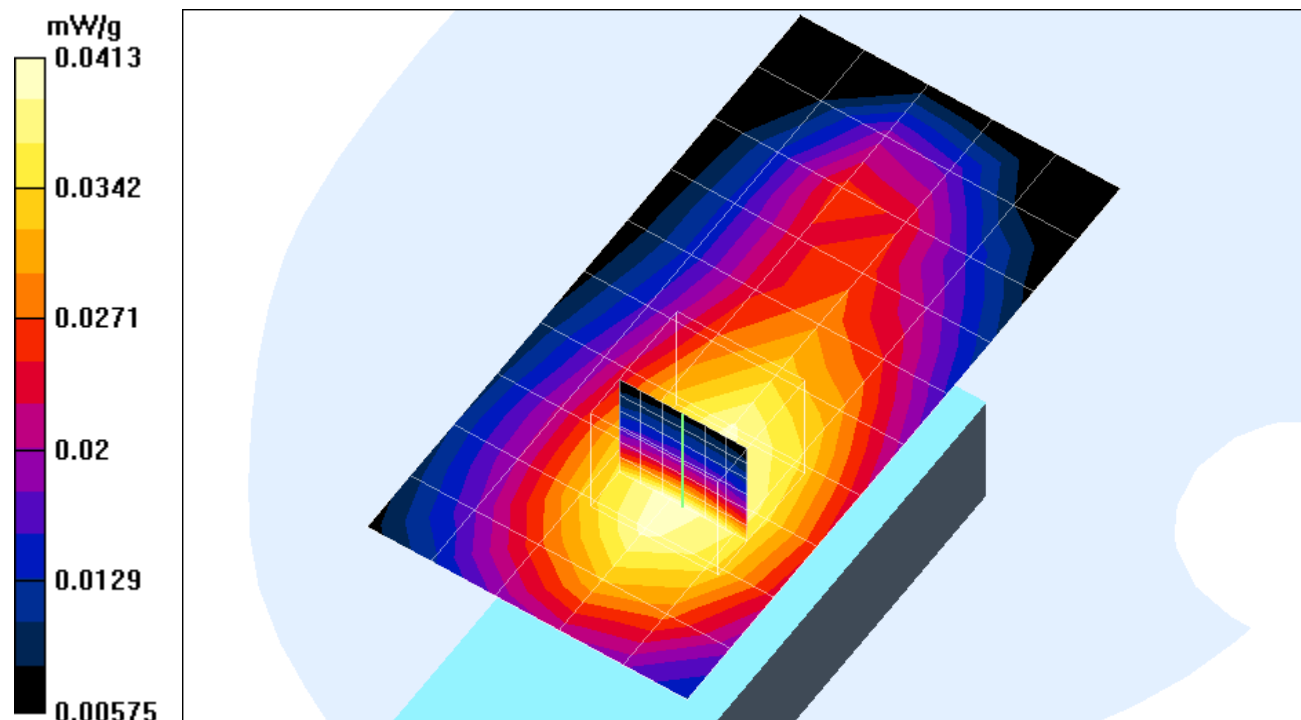
Peak SAR (extrapolated) = 0.0499 W/kg

SAR(1 g) = 0.0393 mW/g; SAR(10 g) = 0.0287 mW/g

Reference Value = 5.28 V/m

Power Drift = -0.1 dB

Maximum value of SAR = 0.0413 mW/g



Test Laboratory: Advance Data Technology

SN-1302 BodyWorn Bottom 15mm Mode 1 Ch126

DUT: Industrial cordless phone system ~ DuraFon 1X ; Type: SN-1302 ; Test Channel Frequency: 927.6 MHz

Communication System: E-GSM 900 ; Frequency: 927.6 MHz ; Duty Cycle: 1:1

Medium: MSL900 ($\sigma = 1.0365$ mho/m, $\epsilon_r = 54.0069$, $\rho = 1000$ kg/m³) ; Liquid Level : 155mm

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

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

Antenna Type : External Antenna ; Air Temp. : 22.0 degrees ; Liquid Temp. : 21.0 degrees

DASY4 Configuration:

- Probe: ET3DV6 - SN1790 ; ConvF(6.2, 6.2, 6.2) ; Calibrated: 2003/8/29
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn579 ; Calibrated: 2003/8/15
- Phantom: SAM 12 ; Type: SAM V4.0; Serial: TP 1202
- Measurement SW: DASY4, V4.1 Build 47 ; Postprocessing SW: SEMCAD, V1.6 Build 115

High Channel/Area Scan (6x11x1): Measurement grid: dx=15mm, dy=15mm

Reference Value = 3.54 V/m

Power Drift = -0.03 dB

Maximum value of SAR = 0.0219 mW/g

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

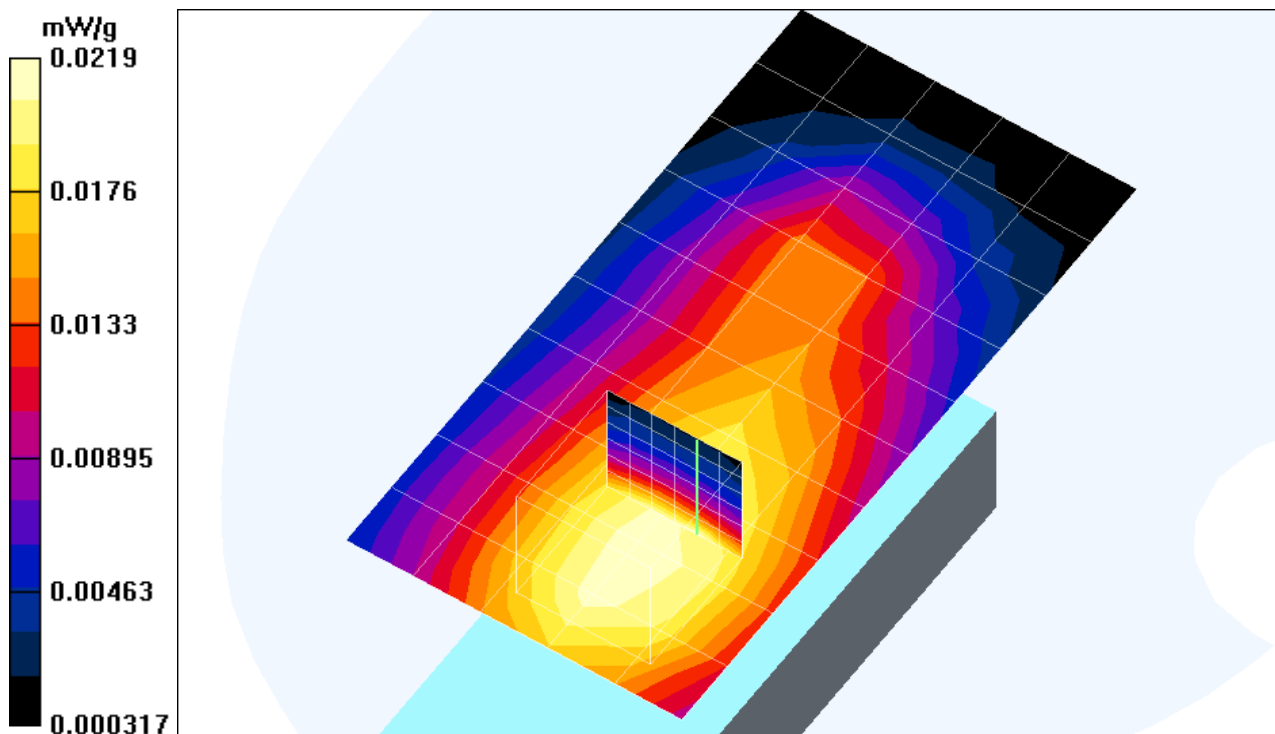
Peak SAR (extrapolated) = 0.0284 W/kg

SAR(1 g) = 0.021 mW/g; SAR(10 g) = 0.0153 mW/g

Reference Value = 3.54 V/m

Power Drift = -0.03 dB

Maximum value of SAR = 0.0223 mW/g



Test Laboratory: Advance Data Technology

SN-1302 BodyWorn Front 15mm Mode 2 Ch 2

DUT: Industrial cordless phone system ~ DuraFon 1X ; Type: SN-1302 ; Test Channel Frequency: 902.5 MHz

Communication System: E-GSM 900 ; Frequency: 902.5 MHz ; Duty Cycle: 1:1

Medium: MSL900 ($\sigma = 1.0104$ mho/m, $\epsilon_r = 54.2235$, $\rho = 1000$ kg/m³) ; Liquid Level : 155mm

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

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

Antenna Type : External Antenna ; Air Temp. : 22.0 degrees ; Liquid Temp. : 21.0 degrees

DASY4 Configuration:

- Probe: ET3DV6 - SN1790 ; ConvF(6.2, 6.2, 6.2) ; Calibrated: 2003/8/29
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn579 ; Calibrated: 2003/8/15
- Phantom: SAM 12 ; Type: SAM V4.0; Serial: TP 1202
- Measurement SW: DASY4, V4.1 Build 47 ; Postprocessing SW: SEMCAD, V1.6 Build 115

Low Channel/Area Scan (6x11x1): Measurement grid: dx=15mm, dy=15mm

Reference Value = 4.63 V/m

Power Drift = -0.2 dB

Maximum value of SAR = 0.19 mW/g

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

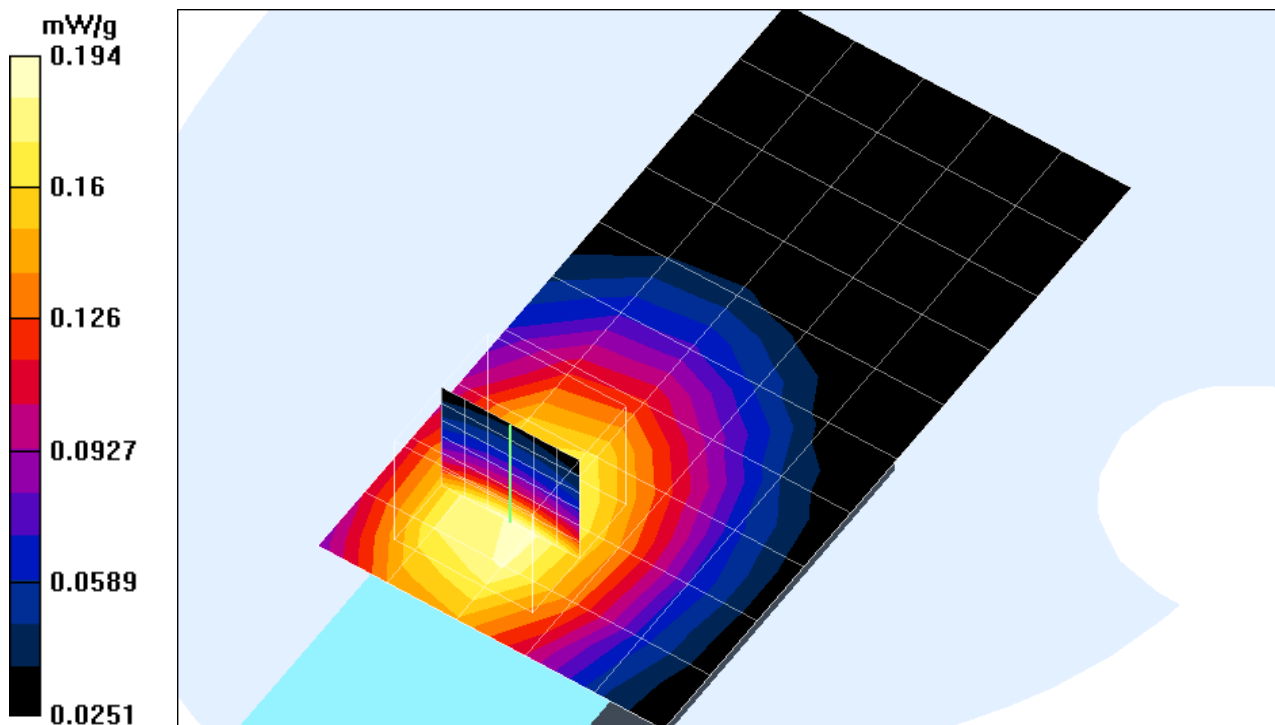
Peak SAR (extrapolated) = 0.229 W/kg

SAR(1 g) = 0.182 mW/g; SAR(10 g) = 0.131 mW/g

Reference Value = 4.63 V/m

Power Drift = -0.2 dB

Maximum value of SAR = 0.194 mW/g



Test Laboratory: Advance Data Technology

SN-1302 BodyWorn Front 15mm Mode 2 Ch 64

DUT: Industrial cordless phone system ~ DuraFon 1X ; Type: SN-1302 ; Test Channel Frequency: 915.1 MHz

Communication System: E-GSM 900 ; Frequency: 915.1 MHz ; Duty Cycle: 1:1

Medium: MSL900 ($\sigma = 1.0232$ mho/m, $\epsilon_r = 54.1388$, $\rho = 1000$ kg/m³) ; Liquid Level : 155mm

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

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

Antenna Type : External Antenna ; Air Temp. : 22.0 degrees ; Liquid Temp. : 21.0 degrees

DASY4 Configuration:

- Probe: ET3DV6 - SN1790 ; ConvF(6.2, 6.2, 6.2) ; Calibrated: 2003/8/29
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn579 ; Calibrated: 2003/8/15
- Phantom: SAM 12 ; Type: SAM V4.0; Serial: TP 1202
- Measurement SW: DASY4, V4.1 Build 47 ; Postprocessing SW: SEMCAD, V1.6 Build 115

Middle Channel/Area Scan (6x11x1): Measurement grid: dx=15mm, dy=15mm

Reference Value = 4.71 V/m

Power Drift = -0.1 dB

Maximum value of SAR = 0.162 mW/g

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

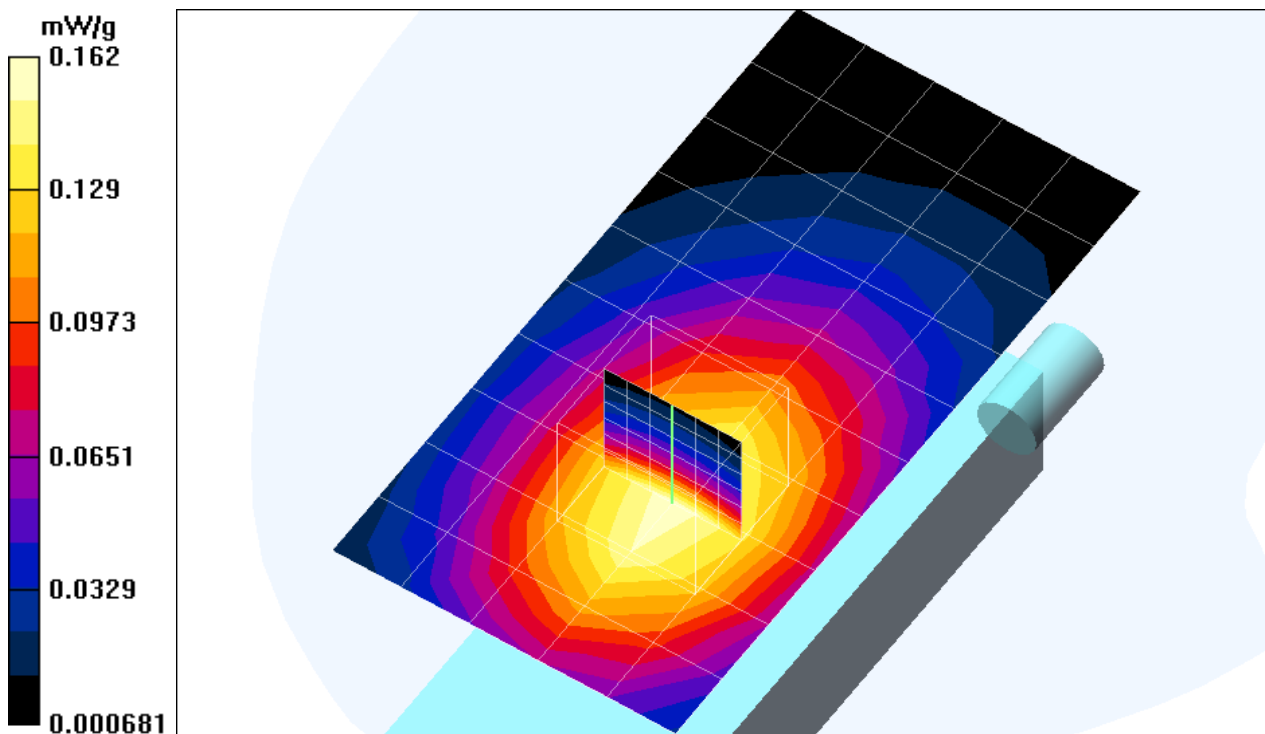
Peak SAR (extrapolated) = 0.19 W/kg

SAR(1 g) = 0.151 mW/g; SAR(10 g) = 0.109 mW/g

Reference Value = 4.71 V/m

Power Drift = -0.1 dB

Maximum value of SAR = 0.16 mW/g



Test Laboratory: Advance Data Technology

SN-1302 BodyWorn Front 15mm Mode 2 Ch 126

DUT: Industrial cordless phone system ~ DuraFon 1X ; Type: SN-1302 ; Test Channel Frequency: 927.6 MHz

Communication System: E-GSM 900 ; Frequency: 927.6 MHz ; Duty Cycle: 1:1

Medium: MSL900 ($\sigma = 1.0365$ mho/m, $\epsilon_r = 54.0069$, $\rho = 1000$ kg/m³) ; Liquid Level : 155mm

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

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

Antenna Type : External Antenna ; Air Temp. : 22.0 degrees ; Liquid Temp. : 21.0 degrees

DASY4 Configuration:

- Probe: ET3DV6 - SN1790 ; ConvF(6.2, 6.2, 6.2) ; Calibrated: 2003/8/29
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn579 ; Calibrated: 2003/8/15
- Phantom: SAM 12 ; Type: SAM V4.0; Serial: TP 1202
- Measurement SW: DASY4, V4.1 Build 47 ; Postprocessing SW: SEMCAD, V1.6 Build 115

High Channel/Area Scan (6x11x1): Measurement grid: dx=15mm, dy=15mm

Reference Value = 2.83 V/m

Power Drift = 0.2 dB

Maximum value of SAR = 0.0815 mW/g

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

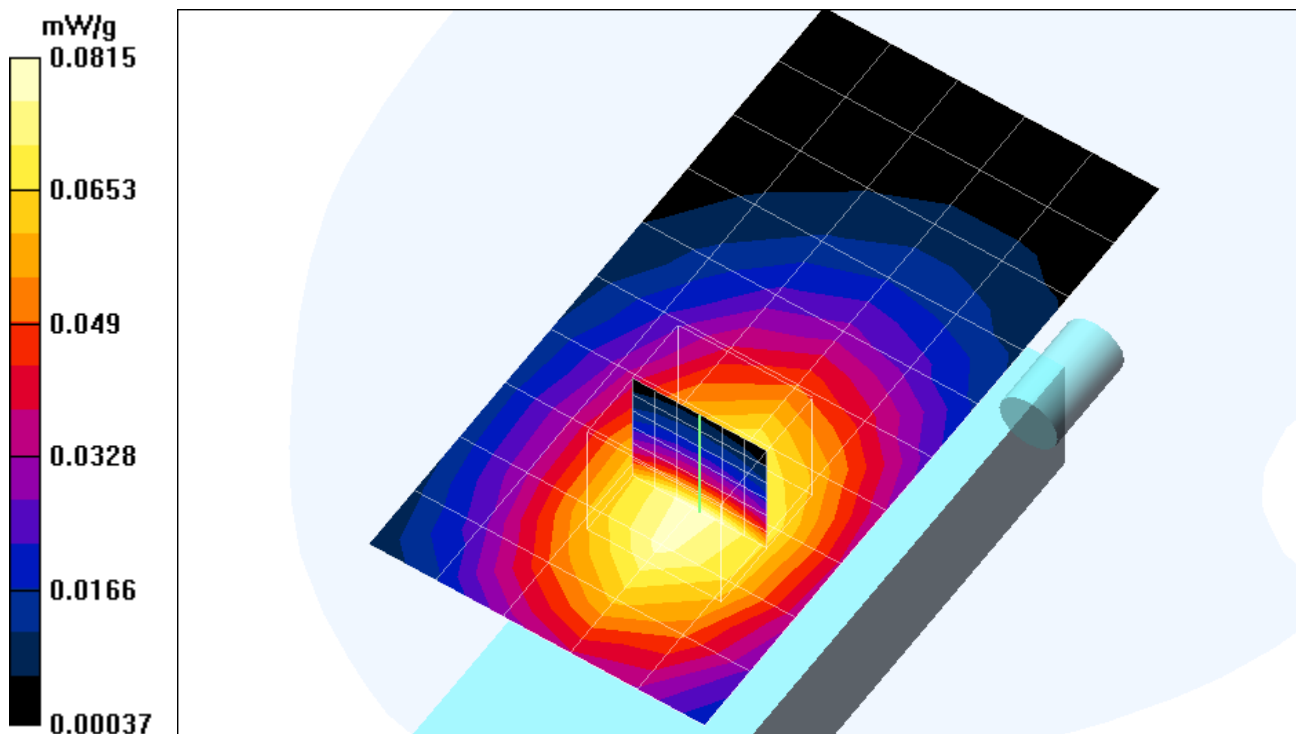
Peak SAR (extrapolated) = 0.101 W/kg

SAR(1 g) = 0.0799 mW/g; SAR(10 g) = 0.0572 mW/g

Reference Value = 2.83 V/m

Power Drift = 0.2 dB

Maximum value of SAR = 0.0848 mW/g



Test Laboratory: Advance Data Technology

SN-1302 LeftHead Cheek Mode 3 Ch 2

DUT: Industrial cordless phone system ~ DuraFon 1X ; Type: SN-1302 ; Test Channel Frequency: 902.5 MHz

Communication System: E-GSM 900 ; Frequency: 902.5 MHz ; Duty Cycle: 1:1

Medium: HSL900 ($\sigma = 0.9628$ mho/m, $\epsilon_r = 40.8688$, $\rho = 1000$ kg/m³) ; Liquid level : 155mm

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

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

DASY4 Configuration:

- Probe: ET3DV6 - SN1790; ConvF(6.4, 6.4, 6.4) ; Calibrated: 2003/8/29
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn579; Calibrated: 2003/8/15
- Phantom: SAM 12; Type: SAM V4.0; Serial: TP 1202
- Measurement SW: DASY4, V4.1 Build 47; Postprocessing SW: SEMCAD, V1.6 Build 115

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

Reference Value = 15 V/m

Power Drift = -0.07 dB

Maximum value of SAR = 0.462 mW/g

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

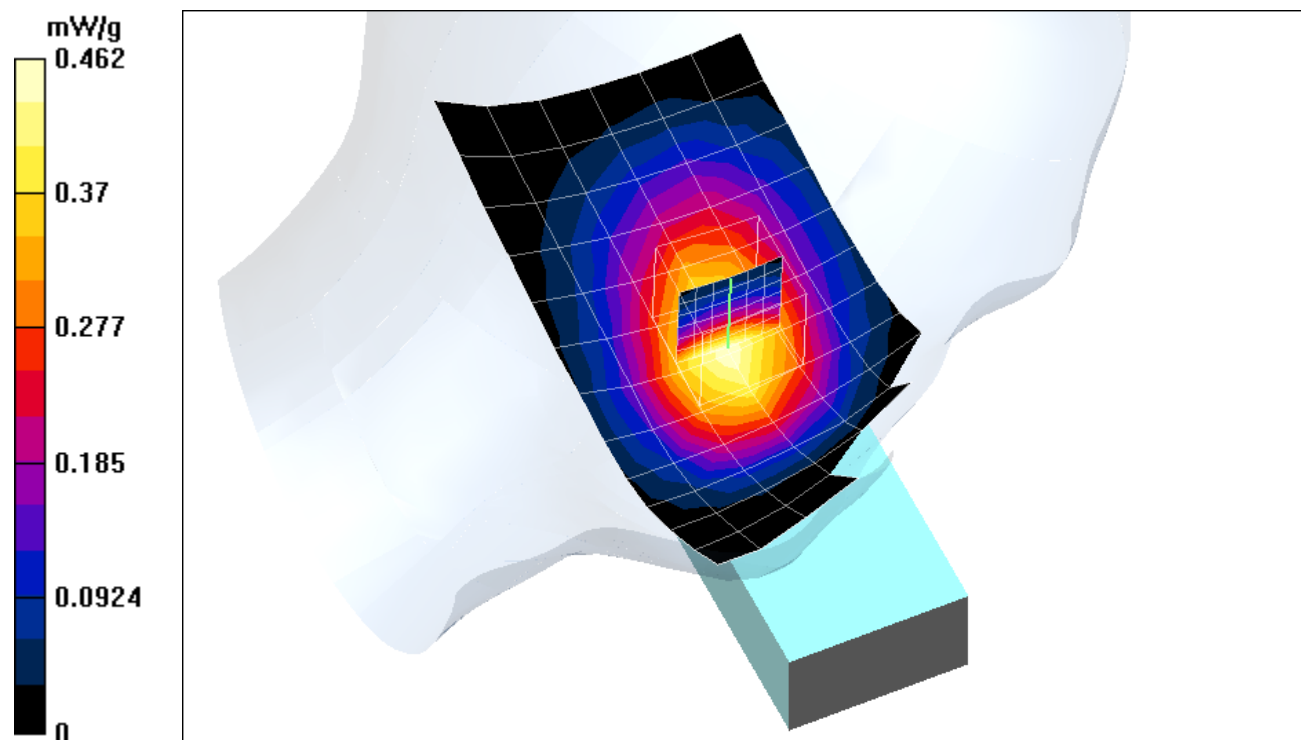
Peak SAR (extrapolated) = 0.596 W/kg

SAR(1 g) = 0.43 mW/g; SAR(10 g) = 0.298 mW/g

Reference Value = 15 V/m

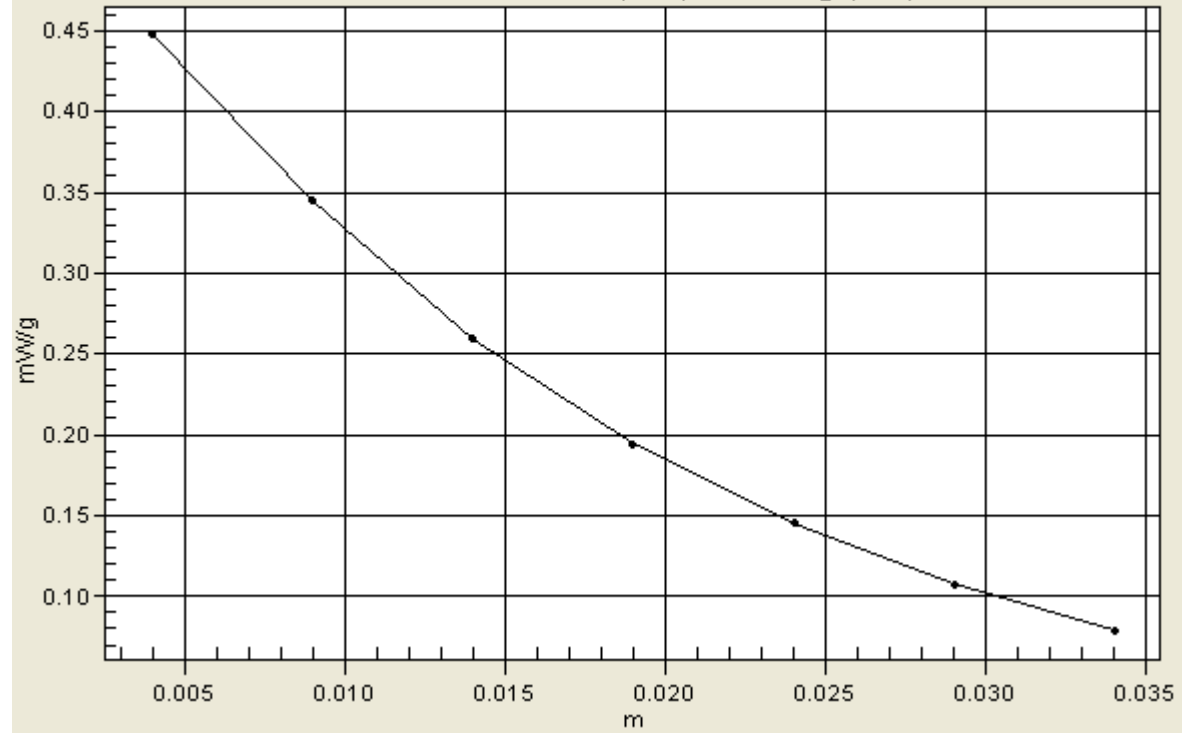
Power Drift = -0.07 dB

Maximum value of SAR = 0.447 mW/g



Averaged SAR

SN-1302 - Left Hand Cheek/Zoom Scan (7x7x7)/V alue Along Z, X=3, Y=3 SAR



Test Laboratory: Advance Data Technology

SN-1302 LeftHead Cheek Mode 3 Ch 64

DUT: Industrial cordless phone system ~ DuraFon 1X ; Type: SN-1302 ; Test Channel Frequency: 915.1 MHz

Communication System: E-GSM 900 ; Frequency: 915.1 MHz ; Duty Cycle: 1:1

Medium: HSL900 ($\sigma = 0.9758$ mho/m, $\epsilon_r = 40.8074$, $\rho = 1000$ kg/m³) ; Liquid level : 155mm

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

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

DASY4 Configuration:

- Probe: ET3DV6 - SN1790; ConvF(6.4, 6.4, 6.4) ; Calibrated: 2003/8/29
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn579; Calibrated: 2003/8/15
- Phantom: SAM 12; Type: SAM V4.0; Serial: TP 1202
- Measurement SW: DASY4, V4.1 Build 47; Postprocessing SW: SEMCAD, V1.6 Build 115

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

Reference Value = 12.2 V/m

Power Drift = 0.05 dB

Maximum value of SAR = 0.316 mW/g

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

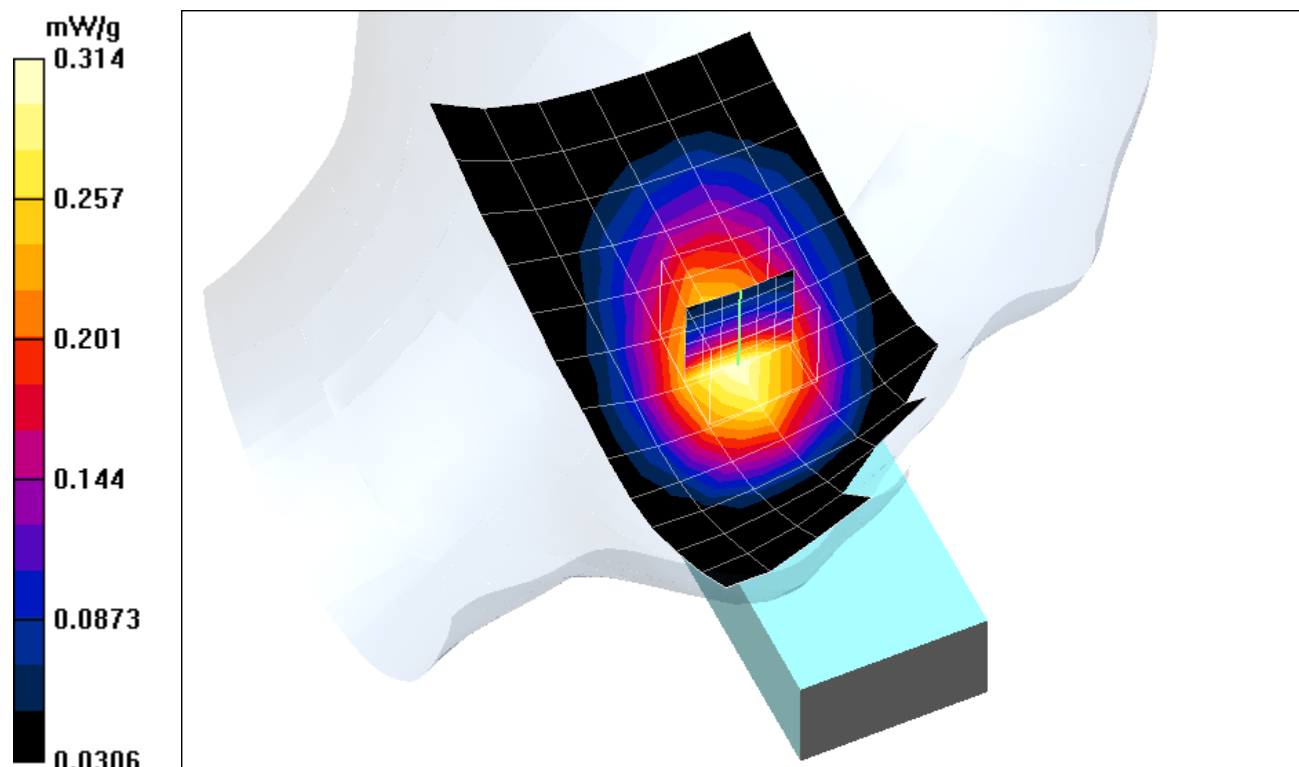
Peak SAR (extrapolated) = 0.417 W/kg

SAR(1 g) = 0.302 mW/g; SAR(10 g) = 0.21 mW/g

Reference Value = 12.2 V/m

Power Drift = 0.05 dB

Maximum value of SAR = 0.314 mW/g



Test Laboratory: Advance Data Technology

SN-1302 LeftHead Cheek Mode 3 Ch 126

DUT: Industrial cordless phone system ~ DuraFon 1X ; Type: SN-1302 ; Test Channel Frequency: 927.6 MHz

Communication System: E-GSM 900 ; Frequency: 927.6 MHz ; Duty Cycle: 1:1

Medium: HSL900 ($\sigma = 0.9874$ mho/m, $\epsilon_r = 40.76$, $\rho = 1000$ kg/m³) ; Liquid level : 155mm

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

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

DASY4 Configuration:

- Probe: ET3DV6 - SN1790; ConvF(6.4, 6.4, 6.4) ; Calibrated: 2003/8/29
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn579; Calibrated: 2003/8/15
- Phantom: SAM 12; Type: SAM V4.0; Serial: TP 1202
- Measurement SW: DASY4, V4.1 Build 47; Postprocessing SW: SEMCAD, V1.6 Build 115

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

Reference Value = 8.61 V/m

Power Drift = -0.08 dB

Maximum value of SAR = 0.164 mW/g

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

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

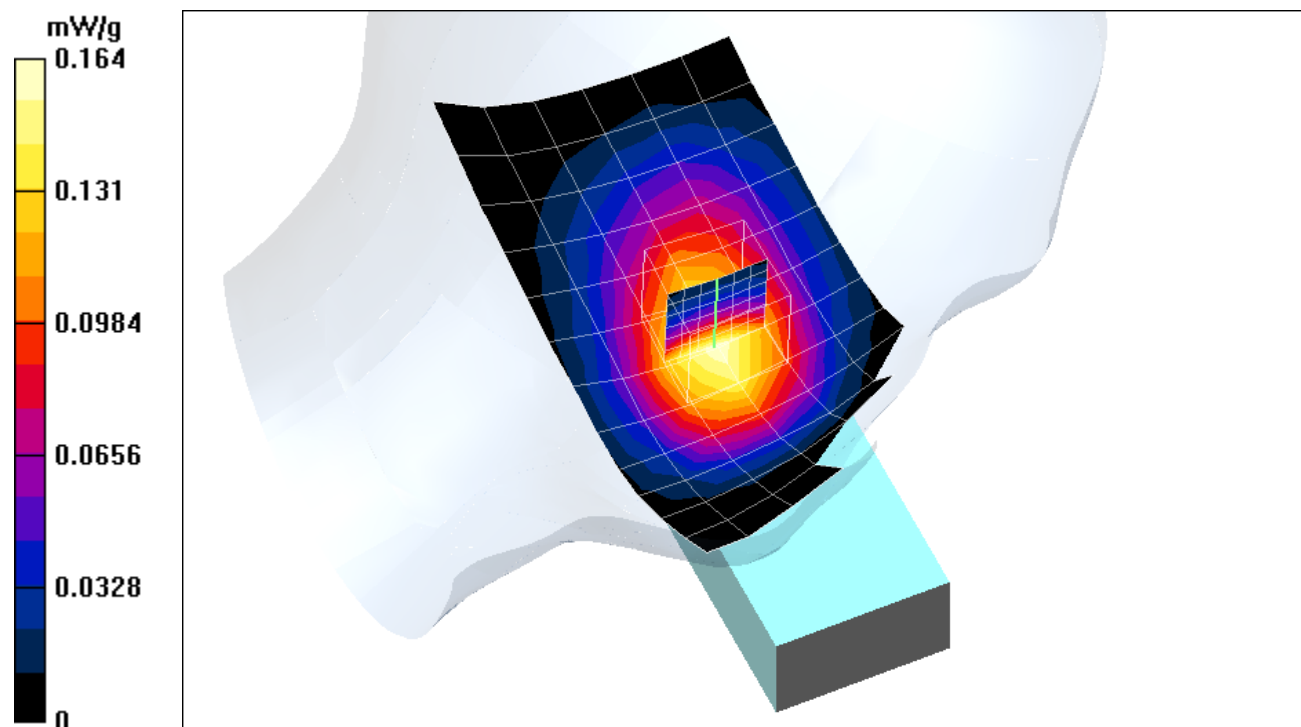
Peak SAR (extrapolated) = 0.216 W/kg

SAR(1 g) = 0.155 mW/g; SAR(10 g) = 0.107 mW/g

Reference Value = 8.61 V/m

Power Drift = -0.08 dB

Maximum value of SAR = 0.163 mW/g



Test Laboratory: Advance Data Technology

SN-1302 LeftHead Tilt Mode 4 Ch 2

DUT: Industrial cordless phone system ~ DuraFon 1X ; Type: SN-1302 ; Test Channel Frequency: 902.5 MHz

Communication System: E-GSM 900 ; Frequency: 902.5 MHz; Duty Cycle: 1:1

Medium: HSL900 ($\sigma = 0.9628$ mho/m, $\epsilon_r = 40.8688$, $\rho = 1000$ kg/m³) ; Liquid level : 155mm

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

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

DASY4 Configuration:

- Probe: ET3DV6 - SN1790 ; ConvF(6.4, 6.4, 6.4) ; Calibrated: 2003/8/29
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn579; Calibrated: 2003/8/15
- Phantom: SAM 12; Type: SAM V4.0; Serial: TP 1202
- Measurement SW: DASY4, V4.1 Build 47; Postprocessing SW: SEMCAD, V1.6 Build 115

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

Reference Value = 13.4 V/m

Power Drift = -0.05 dB

Maximum value of SAR = 0.19 mW/g

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

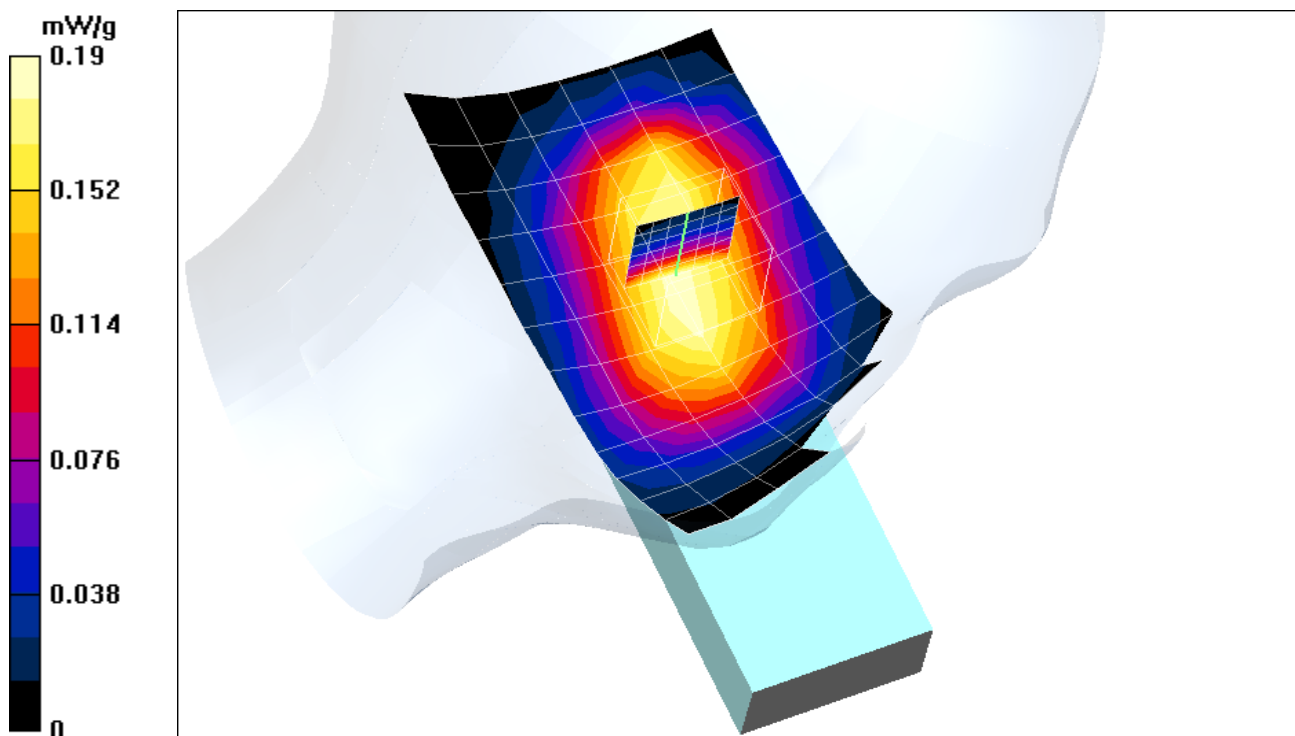
Peak SAR (extrapolated) = 0.242 W/kg

SAR(1 g) = 0.181 mW/g; SAR(10 g) = 0.129 mW/g

Reference Value = 13.4 V/m

Power Drift = -0.05 dB

Maximum value of SAR = 0.192 mW/g



Test Laboratory: Advance Data Technology

SN-1302 LeftHead Tilt Mode 4 Ch 64

DUT: Industrial cordless phone system ~ DuraFon 1X ; Type: SN-1302 ; Test Channel Frequency: 915.1 MHz

Communication System: E-GSM 900 ; Frequency: 915.1 MHz; Duty Cycle: 1:1

Medium: HSL900 ($\sigma = 0.9758$ mho/m, $\epsilon_r = 40.8074$, $\rho = 1000$ kg/m³) ; Liquid level : 155mm

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

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

DASY4 Configuration:

- Probe: ET3DV6 - SN1790 ; ConvF(6.4, 6.4, 6.4) ; Calibrated: 2003/8/29
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn579; Calibrated: 2003/8/15
- Phantom: SAM 12; Type: SAM V4.0; Serial: TP 1202
- Measurement SW: DASY4, V4.1 Build 47; Postprocessing SW: SEMCAD, V1.6 Build 115

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

Reference Value = 11 V/m

Power Drift = 0.01 dB

Maximum value of SAR = 0.131 mW/g

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

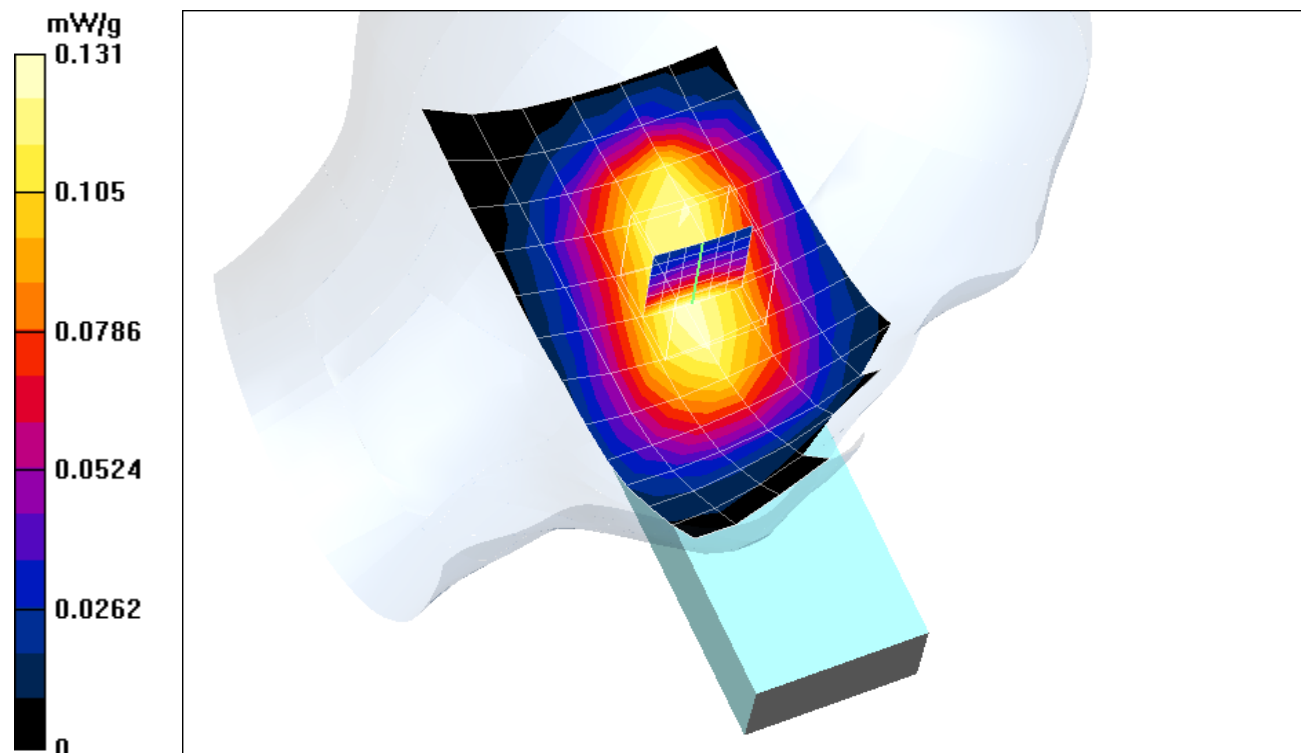
Peak SAR (extrapolated) = 0.166 W/kg

SAR(1 g) = 0.125 mW/g; SAR(10 g) = 0.0886 mW/g

Reference Value = 11 V/m

Power Drift = 0.01 dB

Maximum value of SAR = 0.132 mW/g



Test Laboratory: Advance Data Technology

SN-1302 LeftHead Tilt Mode 4 Ch 126

DUT: Industrial cordless phone system ~ DuraFon 1X ; Type: SN-1302 ; Test Channel Frequency: 927.6 MHz

Communication System: E-GSM 900 ; Frequency: 927.6 MHz; Duty Cycle: 1:1

Medium: HSL900 ($\sigma = 0.9874$ mho/m, $\epsilon_r = 40.76$, $\rho = 1000$ kg/m³) ; Liquid level : 155mm

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

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

DASY4 Configuration:

- Probe: ET3DV6 - SN1790 ; ConvF(6.4, 6.4, 6.4) ; Calibrated: 2003/8/29
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn579; Calibrated: 2003/8/15
- Phantom: SAM 12; Type: SAM V4.0; Serial: TP 1202
- Measurement SW: DASY4, V4.1 Build 47; Postprocessing SW: SEMCAD, V1.6 Build 115

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

Reference Value = 7.72 V/m

Power Drift = 0.1 dB

Maximum value of SAR = 0.0647 mW/g

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

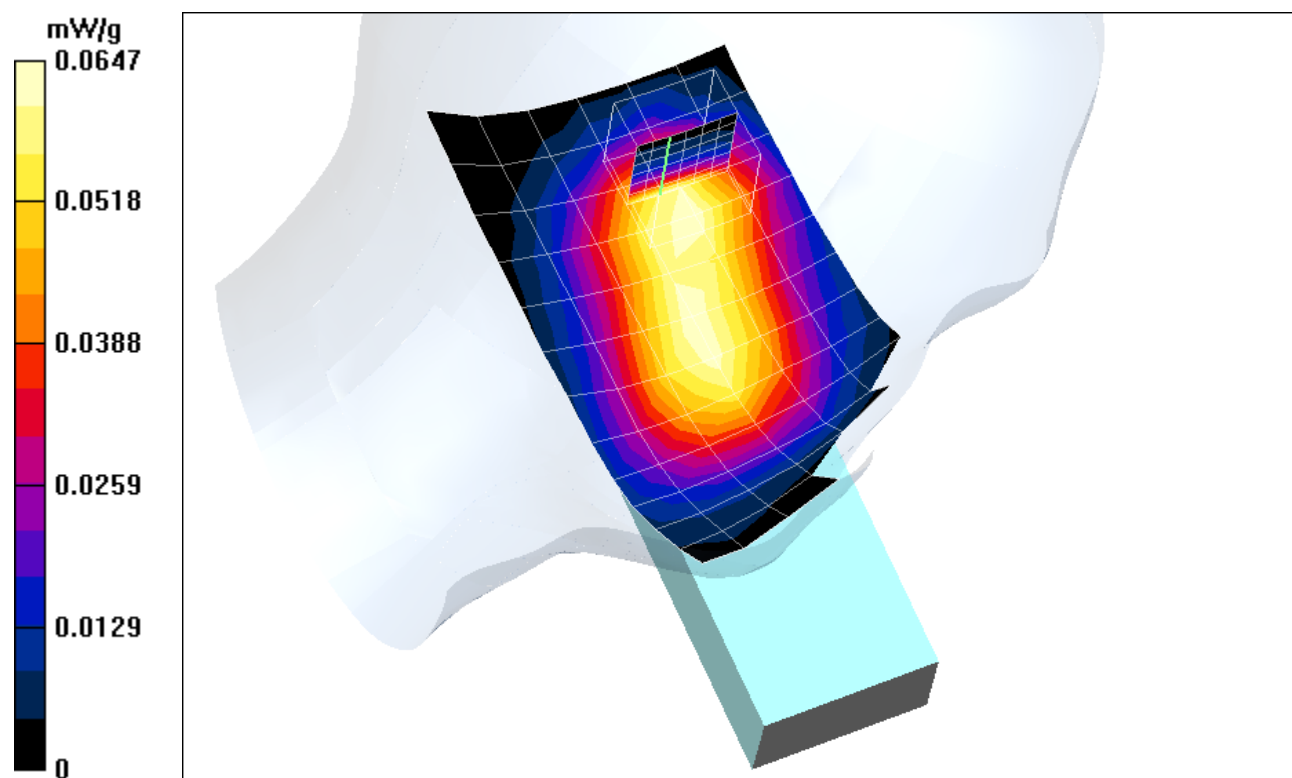
Peak SAR (extrapolated) = 0.0997 W/kg

SAR(1 g) = 0.0634 mW/g; SAR(10 g) = 0.0397 mW/g

Reference Value = 7.72 V/m

Power Drift = 0.1 dB

Maximum value of SAR = 0.0686 mW/g



Test Laboratory: Advance Data Technology

SN-1302 RightHead Cheek Mode 5 Ch 2

DUT: Industrial cordless phone system ~ DuraFon 1X ; Type: SN-1302 ; Test Channel Frequency: 902.5 MHz

Communication System: E-GSM 900 ; Frequency: 902.5 MHz ; Duty Cycle: 1:1

Medium: HSL900 ($\sigma = 0.9628$ mho/m, $\epsilon_r = 40.8688$, $\rho = 1000$ kg/m³) ; Liquid level : 155mm

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

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

DASY4 Configuration:

- Probe: ET3DV6 - SN1790; ConvF(6.4, 6.4, 6.4) ; Calibrated: 2003/8/29
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn579; Calibrated: 2003/8/15
- Phantom: SAM 12; Type: SAM V4.0; Serial: TP 1202
- Measurement SW: DASY4, V4.1 Build 47; Postprocessing SW: SEMCAD, V1.6 Build 115

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

Reference Value = 17.5 V/m

Power Drift = -0.2 dB

Maximum value of SAR = 0.395 mW/g

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

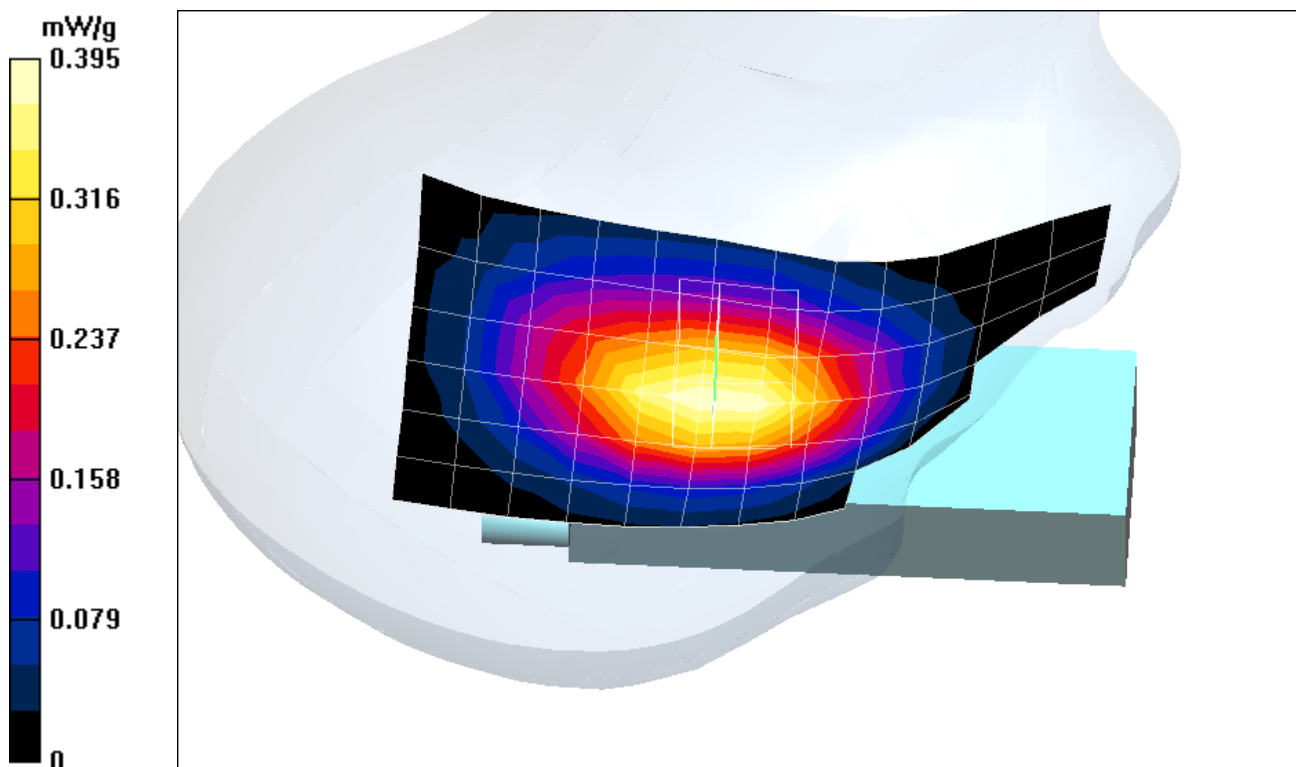
Peak SAR (extrapolated) = 0.509 W/kg

SAR(1 g) = 0.371 mW/g; SAR(10 g) = 0.26 mW/g

Reference Value = 17.5 V/m

Power Drift = -0.2 dB

Maximum value of SAR = 0.388 mW/g



Test Laboratory: Advance Data Technology

SN-1302 RightHead Cheek Mode 5 Ch 64

DUT: Industrial cordless phone system ~ DuraFon 1X ; Type: SN-1302 ; Test Channel Frequency: 915.1 MHz

Communication System: E-GSM 900 ; Frequency: 915.1 MHz ; Duty Cycle: 1:1

Medium: HSL900 ($\sigma = 0.9758$ mho/m, $\epsilon_r = 40.8074$, $\rho = 1000$ kg/m³) ; Liquid level : 155mm

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

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

DASY4 Configuration:

- Probe: ET3DV6 - SN1790; ConvF(6.4, 6.4, 6.4) ; Calibrated: 2003/8/29

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

- Electronics: DAE3 Sn579; Calibrated: 2003/8/15

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

- Measurement SW: DASY4, V4.1 Build 47; Postprocessing SW: SEMCAD, V1.6 Build 115

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

Reference Value = 13.4 V/m

Power Drift = -0.1 dB

Maximum value of SAR = 0.267 mW/g

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

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

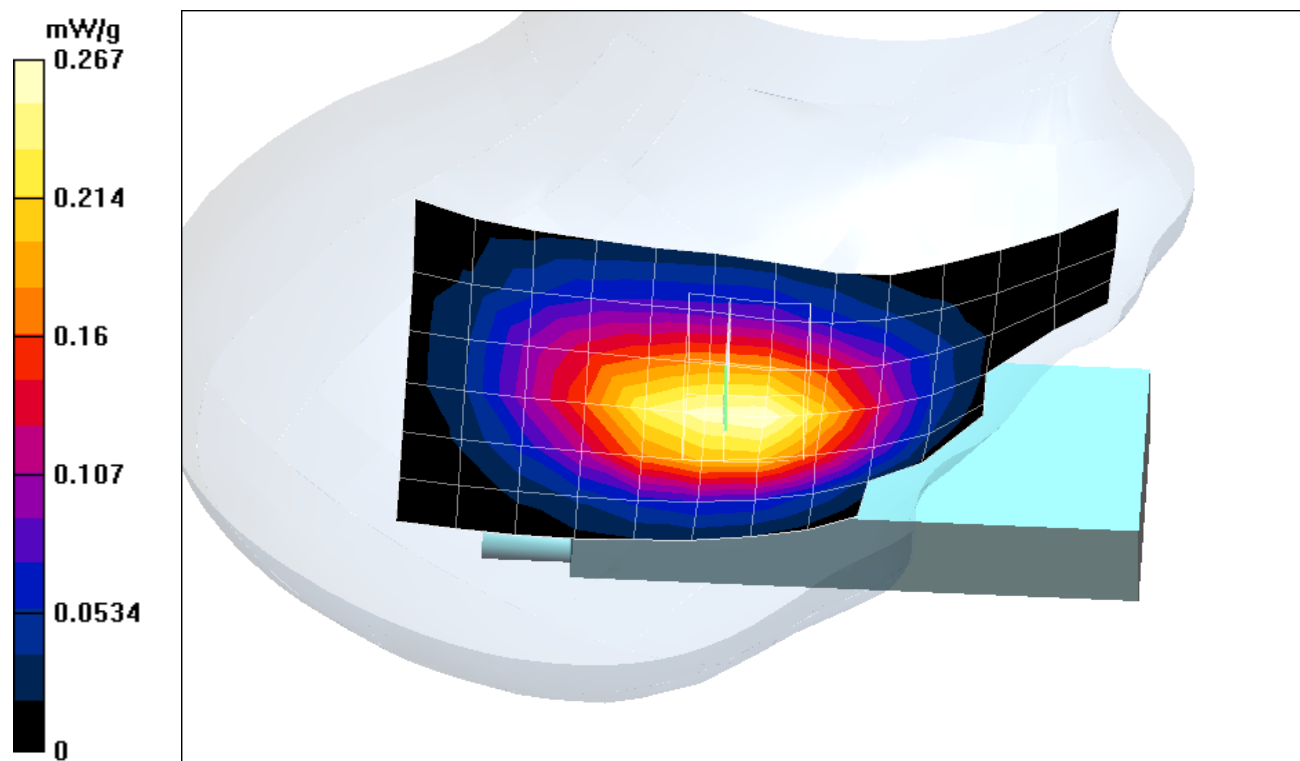
Peak SAR (extrapolated) = 0.353 W/kg

SAR(1 g) = 0.256 mW/g; SAR(10 g) = 0.178 mW/g

Reference Value = 13.4 V/m

Power Drift = -0.1 dB

Maximum value of SAR = 0.266 mW/g



Test Laboratory: Advance Data Technology

SN-1302 RightHead Cheek Mode 5 Ch 126

DUT: Industrial cordless phone system ~ DuraFon 1X ; Type: SN-1302 ; Test Channel Frequency: 927.6 MHz

Communication System: E-GSM 900 ; Frequency: 927.6 MHz ; Duty Cycle: 1:1

Medium: HSL900 ($\sigma = 0.9874$ mho/m, $\epsilon_r = 40.76$, $\rho = 1000$ kg/m³) ; Liquid level : 155mm

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

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

DASY4 Configuration:

- Probe: ET3DV6 - SN1790; ConvF(6.4, 6.4, 6.4) ; Calibrated: 2003/8/29
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn579; Calibrated: 2003/8/15
- Phantom: SAM 12; Type: SAM V4.0; Serial: TP 1202
- Measurement SW: DASY4, V4.1 Build 47; Postprocessing SW: SEMCAD, V1.6 Build 115

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

Reference Value = 9.46 V/m

Power Drift = -0.01 dB

Maximum value of SAR = 0.139 mW/g

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

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

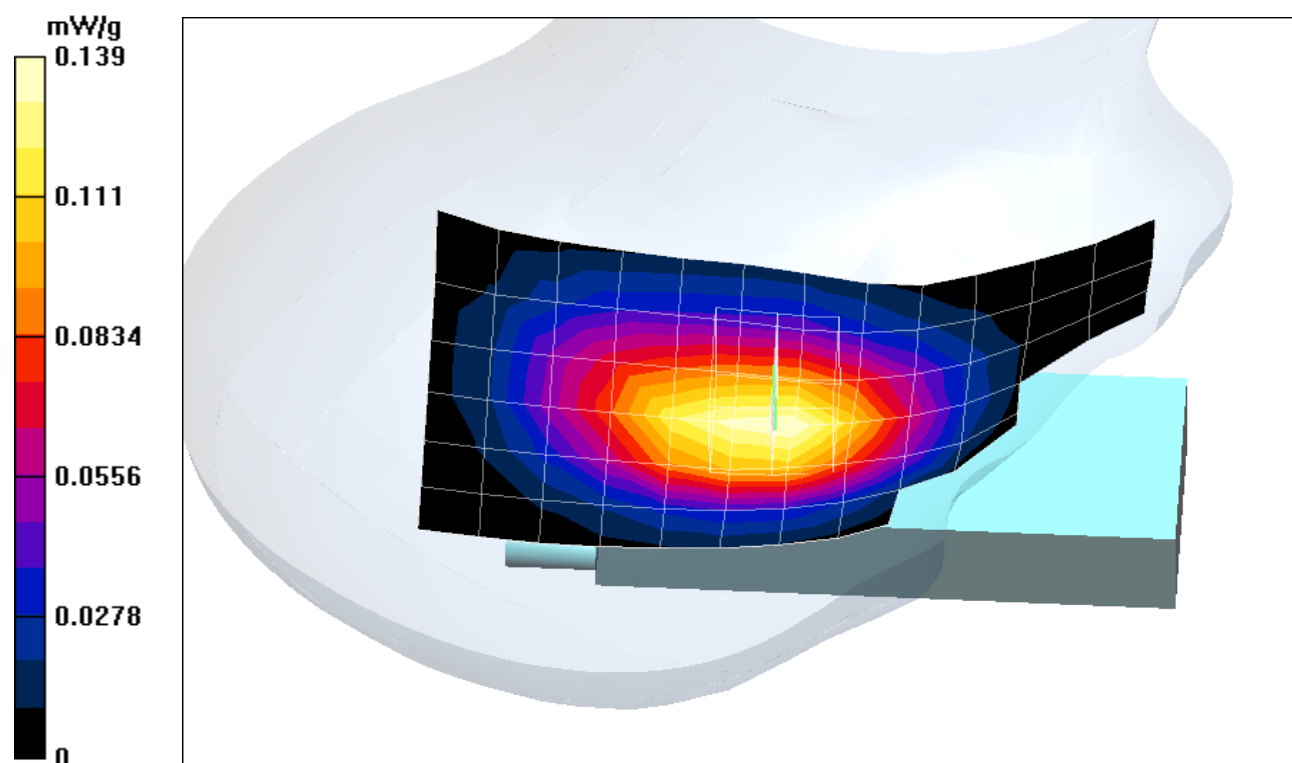
Peak SAR (extrapolated) = 0.185 W/kg

SAR(1 g) = 0.133 mW/g; SAR(10 g) = 0.0926 mW/g

Reference Value = 9.46 V/m

Power Drift = -0.01 dB

Maximum value of SAR = 0.14 mW/g



Test Laboratory: Advance Data Technology

SN-1302 RightHead Tilt Mode 6 Ch 2

DUT: Industrial cordless phone system ~ DuraFon 1X ; Type: SN-1302 ; Test Channel Frequency: 902.5 MHz

Communication System: E-GSM 900 ; Frequency: 902.5 MHz; Duty Cycle: 1:1

Medium: HSL900 ($\sigma = 0.9628$ mho/m, $\epsilon_r = 40.8688$, $\rho = 1000$ kg/m³) ; Liquid level : 155mm

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

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

DASY4 Configuration:

- Probe: ET3DV6 - SN1790 ; ConvF(6.4, 6.4, 6.4) ; Calibrated: 2003/8/29
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn579; Calibrated: 2003/8/15
- Phantom: SAM 12; Type: SAM V4.0; Serial: TP 1202
- Measurement SW: DASY4, V4.1 Build 47; Postprocessing SW: SEMCAD, V1.6 Build 115

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

Reference Value = 13.9 V/m

Power Drift = -0.07 dB

Maximum value of SAR = 0.176 mW/g

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

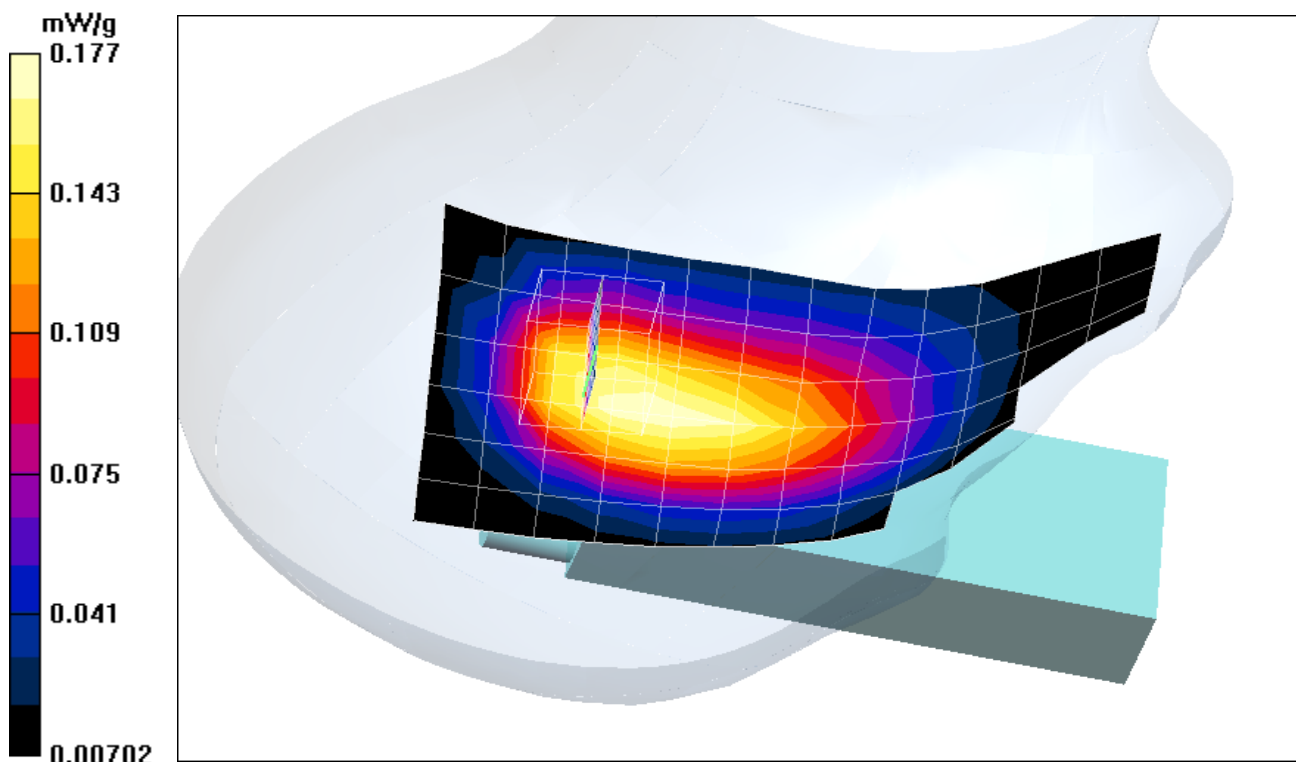
Peak SAR (extrapolated) = 0.24 W/kg

SAR(1 g) = 0.166 mW/g; SAR(10 g) = 0.114 mW/g

Reference Value = 13.9 V/m

Power Drift = -0.07 dB

Maximum value of SAR = 0.177 mW/g



Test Laboratory: Advance Data Technology

SN-1302 RightHead Tilt Mode 6 Ch 64

DUT: Industrial cordless phone system ~ DuraFon 1X ; Type: SN-1302 ; Test Channel Frequency: 915.1 MHz

Communication System: E-GSM 900 ; Frequency: 915.1 MHz; Duty Cycle: 1:1

Medium: HSL900 ($\sigma = 0.9758$ mho/m, $\epsilon_r = 40.8074$, $\rho = 1000$ kg/m³) ; Liquid level : 155mm

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

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

DASY4 Configuration:

- Probe: ET3DV6 - SN1790 ; ConvF(6.4, 6.4, 6.4) ; Calibrated: 2003/8/29
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn579; Calibrated: 2003/8/15
- Phantom: SAM 12; Type: SAM V4.0; Serial: TP 1202
- Measurement SW: DASY4, V4.1 Build 47; Postprocessing SW: SEMCAD, V1.6 Build 115

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

Reference Value = 11.4 V/m

Power Drift = 0.003 dB

Maximum value of SAR = 0.122 mW/g

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

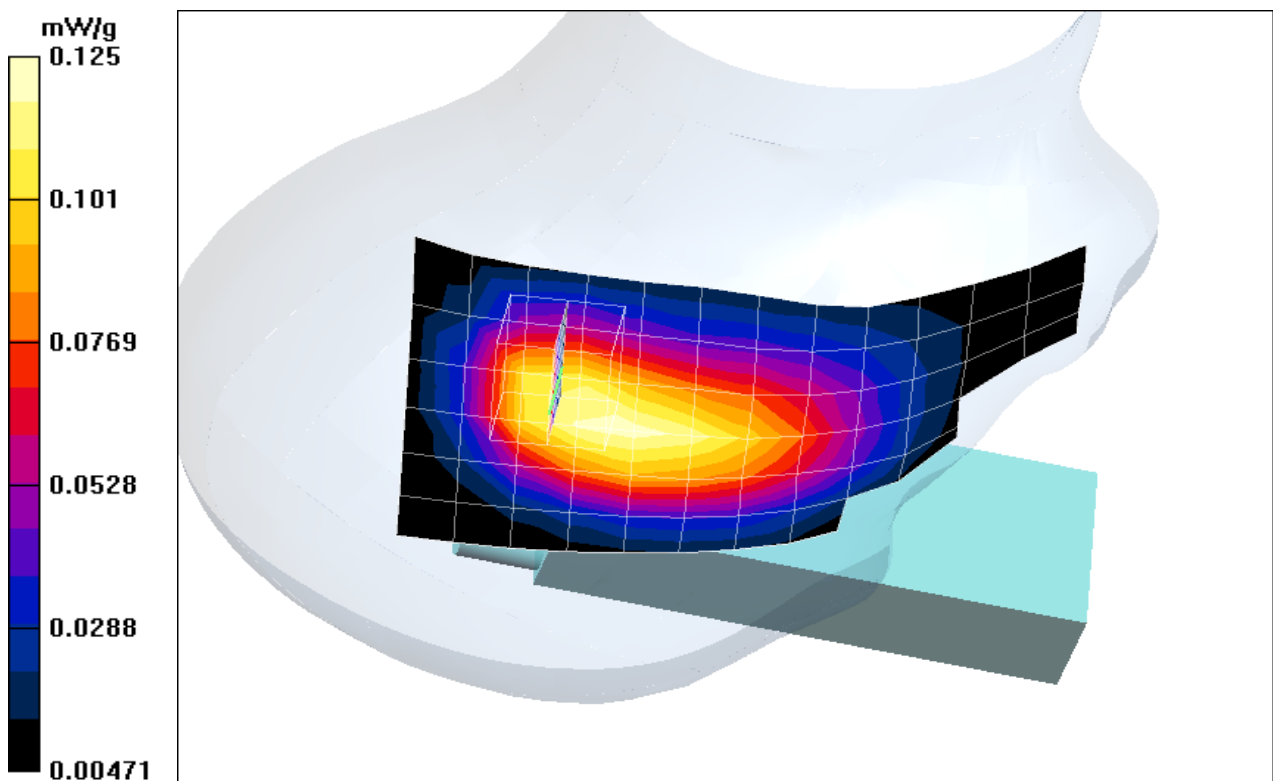
Peak SAR (extrapolated) = 0.168 W/kg

SAR(1 g) = 0.116 mW/g; SAR(10 g) = 0.0787 mW/g

Reference Value = 11.4 V/m

Power Drift = 0.003 dB

Maximum value of SAR = 0.125 mW/g



Test Laboratory: Advance Data Technology

SN-1302 RightHead Tilt Mode 6 Ch 126

DUT: Industrial cordless phone system ~ DuraFon 1X ; Type: SN-1302 ; Test Channel Frequency: 927.6 MHz

Communication System: E-GSM 900 ; Frequency: 927.6 MHz; Duty Cycle: 1:1

Medium: HSL900 ($\sigma = 0.9874$ mho/m, $\epsilon_r = 40.76$, $\rho = 1000$ kg/m³) ; Liquid level : 155mm

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

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

DASY4 Configuration:

- Probe: ET3DV6 - SN1790 ; ConvF(6.4, 6.4, 6.4) ; Calibrated: 2003/8/29
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn579; Calibrated: 2003/8/15
- Phantom: SAM 12; Type: SAM V4.0; Serial: TP 1202
- Measurement SW: DASY4, V4.1 Build 47; Postprocessing SW: SEMCAD, V1.6 Build 115

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

Reference Value = 8.1 V/m

Power Drift = -0.003 dB

Maximum value of SAR = 0.062 mW/g

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

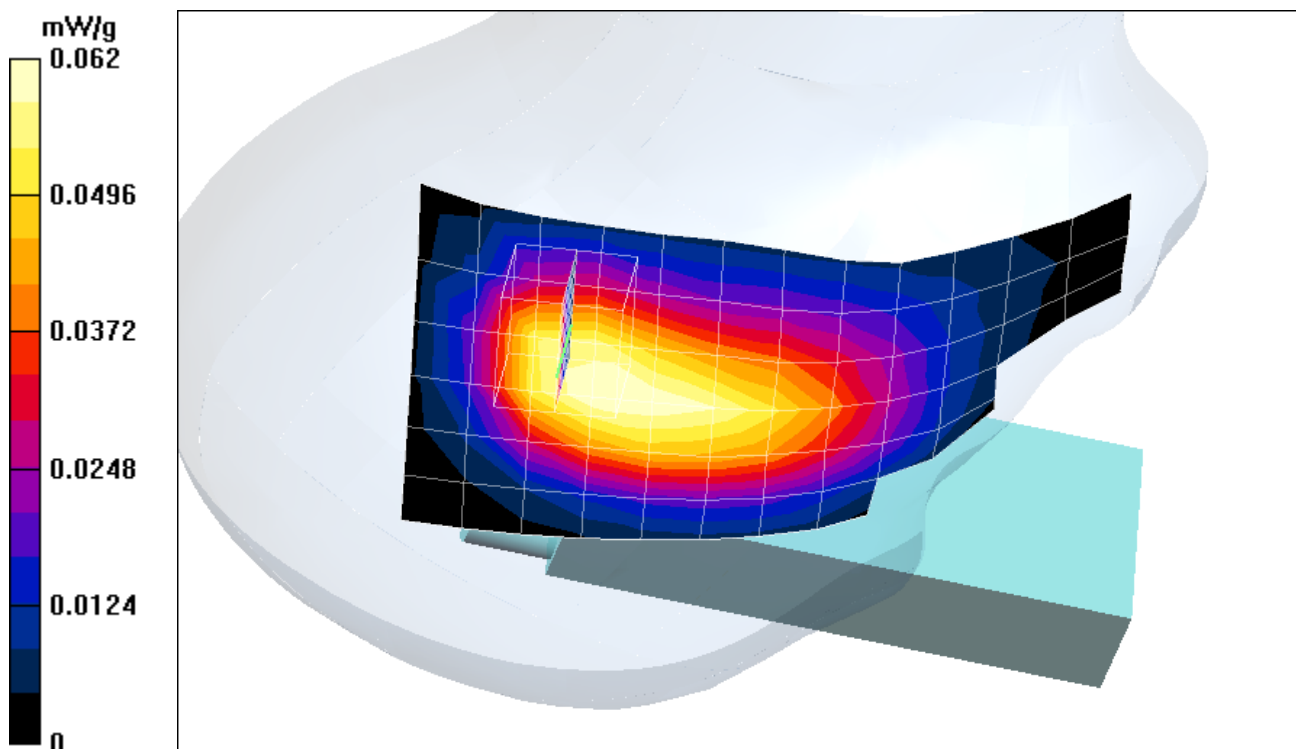
Peak SAR (extrapolated) = 0.0878 W/kg

SAR(1 g) = 0.0605 mW/g; SAR(10 g) = 0.0401 mW/g

Reference Value = 8.1 V/m

Power Drift = -0.003 dB

Maximum value of SAR = 0.0647 mW/g



A3 : SYSTEM VALIDATION

Date/Time: 07/20/04 16:29:00

Test Laboratory: Advance Data Technology

System Validation Check-MSL 900MHz

DUT: Dipole 900 MHz ; Type: D900V2 ; SN : 191; Test Channel Frequency: 900 MHz

Communication System: CW ; Frequency: 900 MHz; Duty Cycle: 1:1; Modulation type: CW
Medium: MSL900 ($\sigma = 1.0081$ mho/m, $\epsilon_r = 54.2376$, $\rho = 1000$ kg/m³) ; Liquid level : 155mm
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 - SN1790 ; ConvF(6.2, 6.2, 6.2) ; Calibrated: 2003/8/29
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn579; Calibrated: 2003/8/15
- Phantom: SAM 12; Type: SAM V4.0; Serial: TP 1202
- Measurement SW: DASY4, V4.1 Build 47; Postprocessing SW: SEMCAD, V1.6 Build 115

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

Reference Value = 54.4 V/m

Power Drift = -0.02 dB

Maximum value of SAR = 2.47 mW/g

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

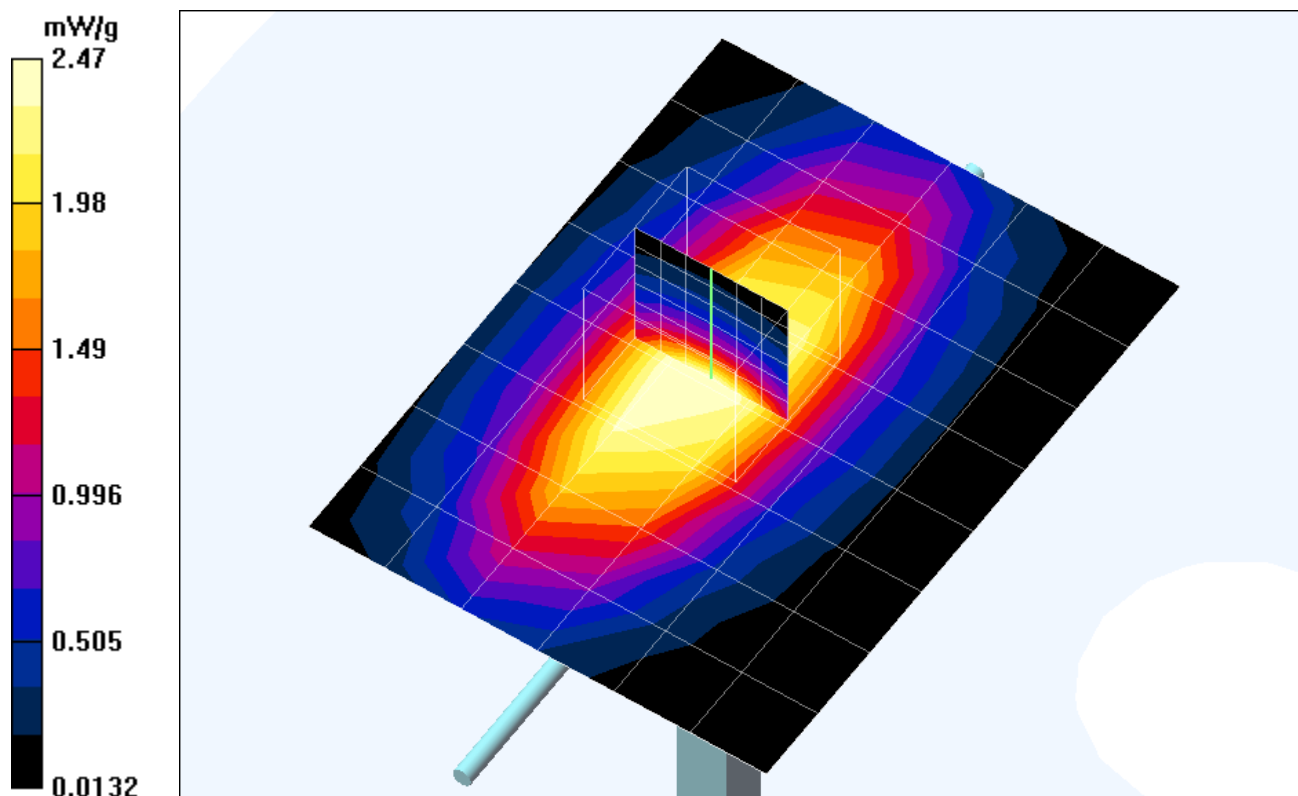
Peak SAR (extrapolated) = 3.76 W/kg

SAR(1 g) = 2.63 mW/g; SAR(10 g) = 1.7 mW/g

Reference Value = 54.4 V/m

Power Drift = -0.02 dB

Maximum value of SAR = 2.83 mW/g



Test Laboratory: Advance Data Technology

System Validation Check-HSL 900MHz**DUT: Dipole 900 MHz ; Type: D900V2 ; SN : 191 ; Test Channel Frequency: 900 MHz**

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

Medium: HSL900 ($\sigma = 0.9607$ mho/m, $\epsilon_r = 40.8825$, $\rho = 1000$ kg/m³) ; Liquid level : 155mm

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 - SN1790 ; ConvF(6.4, 6.4, 6.4) ; Calibrated: 2003/8/29
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn579; Calibrated: 2003/8/15
- Phantom: SAM 12; Type: SAM V4.0; Serial: TP 1202
- Measurement SW: DASY4, V4.1 Build 47; Postprocessing SW: SEMCAD, V1.6 Build 115

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

Reference Value = 59.3 V/m

Power Drift = -0.09 dB

Maximum value of SAR = 2.79 mW/g

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

Peak SAR (extrapolated) = 4.24 W/kg

SAR(1 g) = 2.83 mW/g; SAR(10 g) = 1.79 mW/g

Reference Value = 59.3 V/m

Power Drift = -0.09 dB

Maximum value of SAR = 3.04 mW/g

