

APPENDIX A: TEST CONFIGURATIONS AND TEST DATA

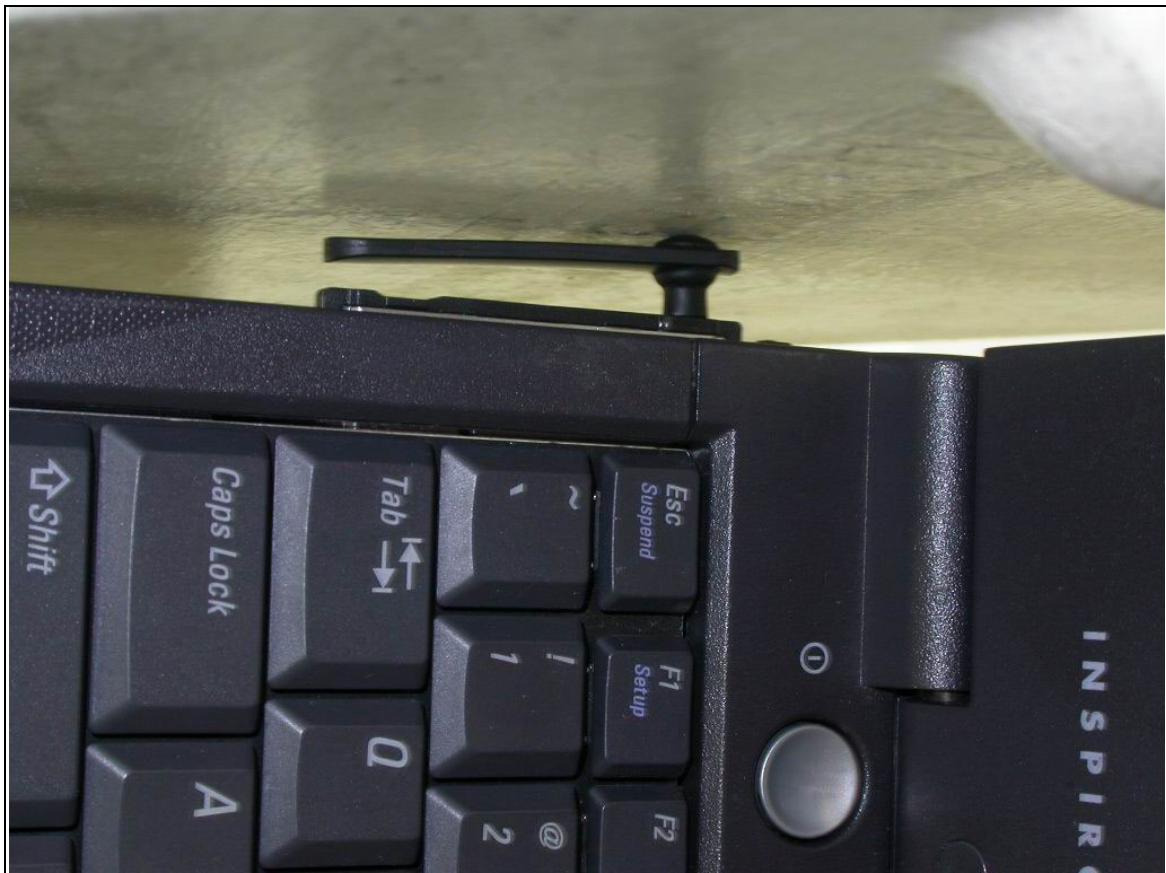
A1: TEST CONFIGURATION

Mode 1 Dell Inspiron 3800



The bottom of the EUT to the phantom distance is 11mm

Mode 2 Dell Inspiron 3800



The tip of the EUT to the phantom distance is 0mm

Mode 3 Dell Inspiron 3800



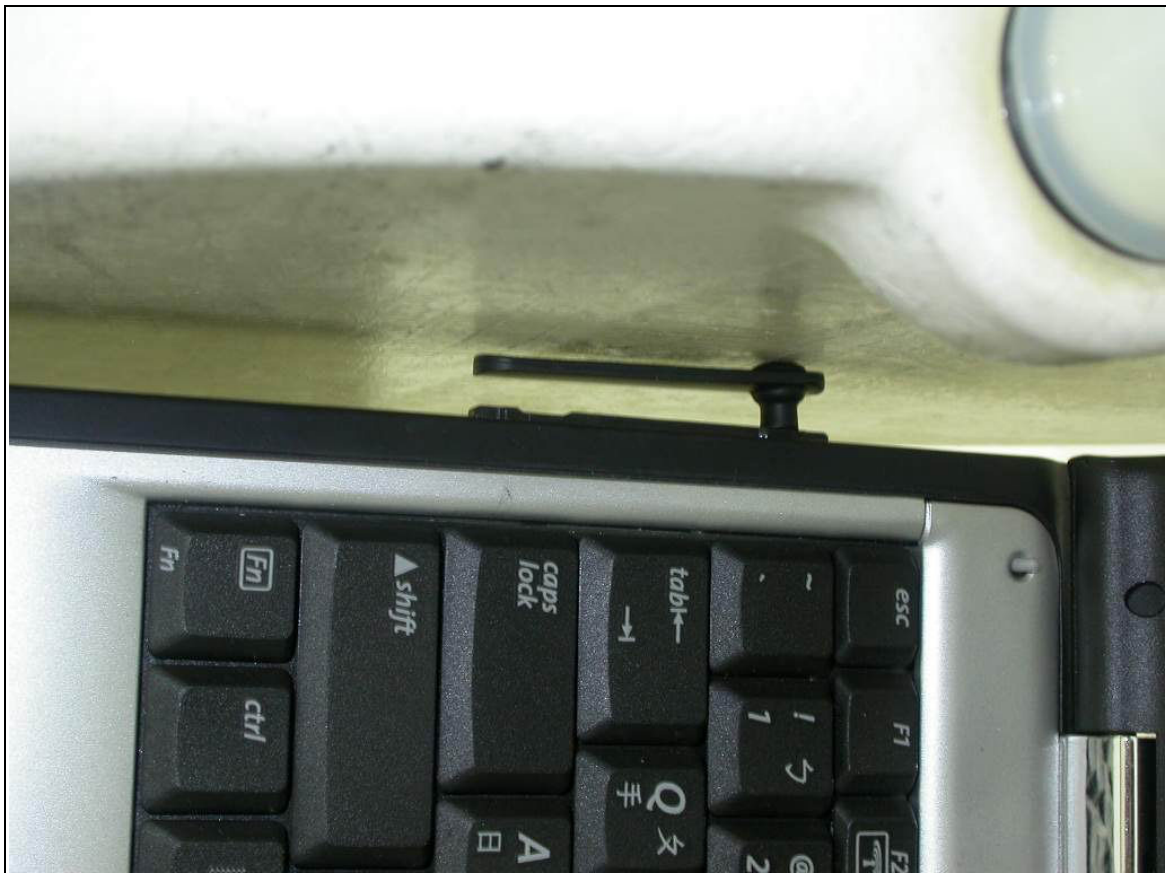
The front of the EUT to the phantom distance is 8mm

Mode 4 Evo N800C



The bottom of the EUT to the phantom distance is 10mm

Mode 5 Evo N800C



The tip of the EUT to the phantom distance is 0mm

Mode 6 Evo N800C



The front of the EUT to the phantom distance is 8mm

Mode 7 Dell C600



The bottom of the EUT to the phantom distance is 11mm

Mode 8 Dell C600



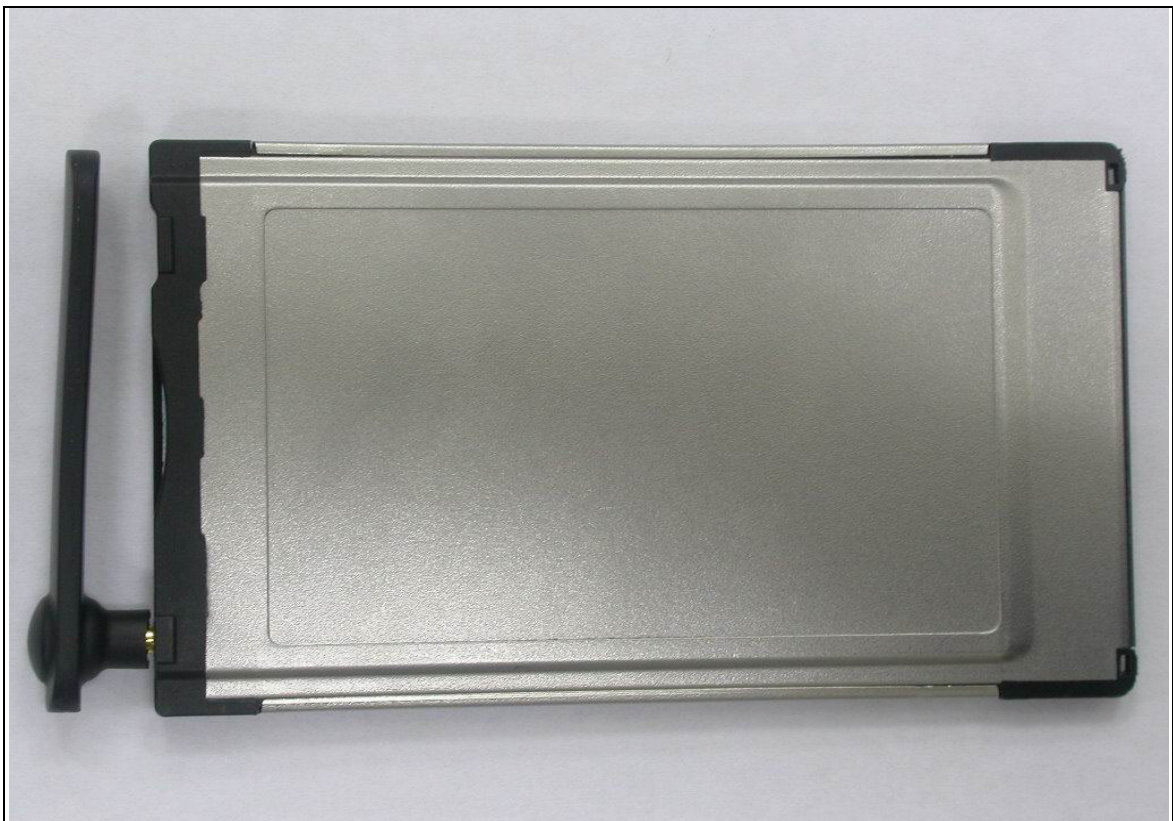
The tip of the EUT to the phantom distance is 0mm

Mode 9 Dell C600



The front of the EUT to the phantom distance is 8mm

EUT Photo

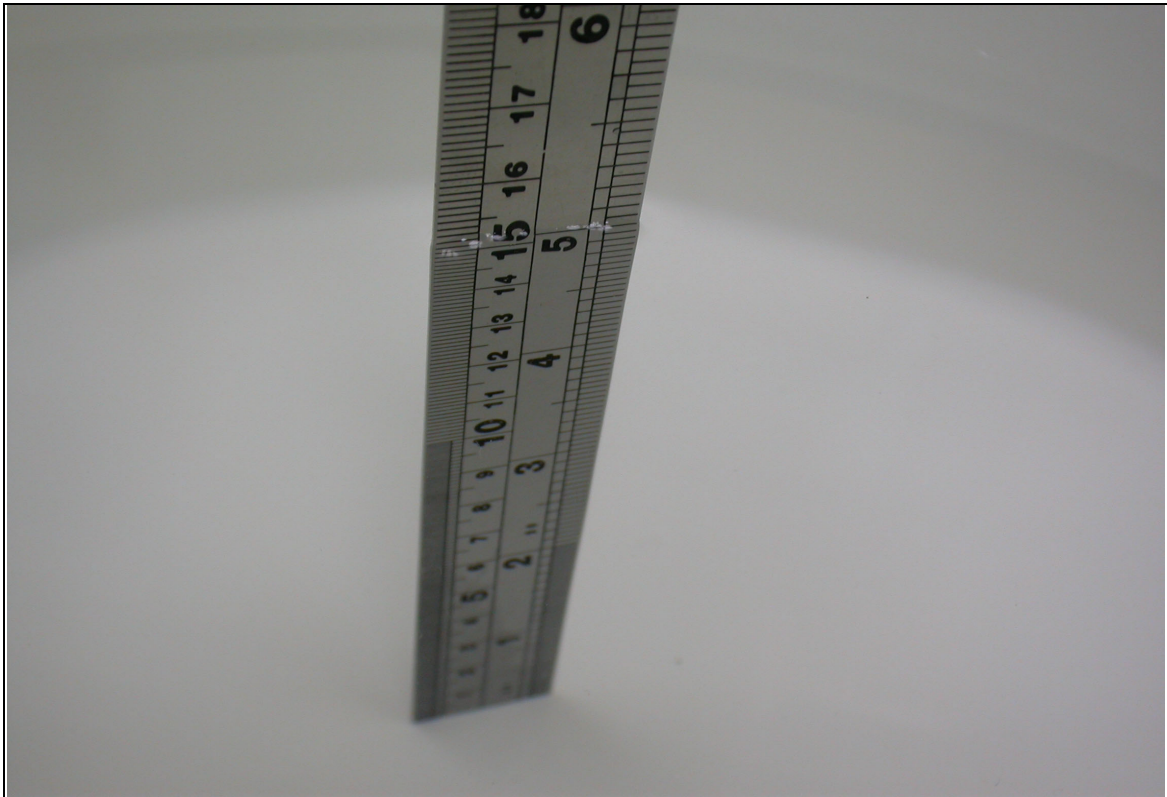






Liquid Level Photo

2450MHz D=155mm



A2 : TEST DATA

Date/Time: 04/12/04 10:28:50

Test Laboratory: Advance Data Technology

GPRS PC Card Inspiron 3800 Bottom Mode 1

DUT: GPRS PC Card ; Type: GP00001-00C02 ; Test Channel Frequency: 1850.2 MHz

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

Medium: MSL1900 ($\sigma = 1.519$ mho/m, $\epsilon_r = 52.5814$, $\rho = 1000$ kg/m³) ; Liquid level : 155mm

Phantom section: Flat Section ; Separation distance : 11mm(The bottom side of the EUT to the Phantom)

Antenna type : External Antenna ; Air temp. : 23.0 degrees ; Liquid temp. : 22.0 degrees

DASY4 Configuration:

- Probe: ET3DV6 - SN1687; ConvF(4.9, 4.9, 4.9); Calibrated: 11/24/2003

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

- Electronics: DAE3 Sn510;

- Phantom: SAM Twin Phantom V4.0; Type: QD 000 P40 CA; Serial: TP-1150

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

Channel 512/Area Scan (9x8x1): Measurement grid: dx=15mm, dy=15mm

Reference Value = 14.4 V/m

Power Drift = -0.2 dB

Maximum value of SAR = 0.523 mW/g

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

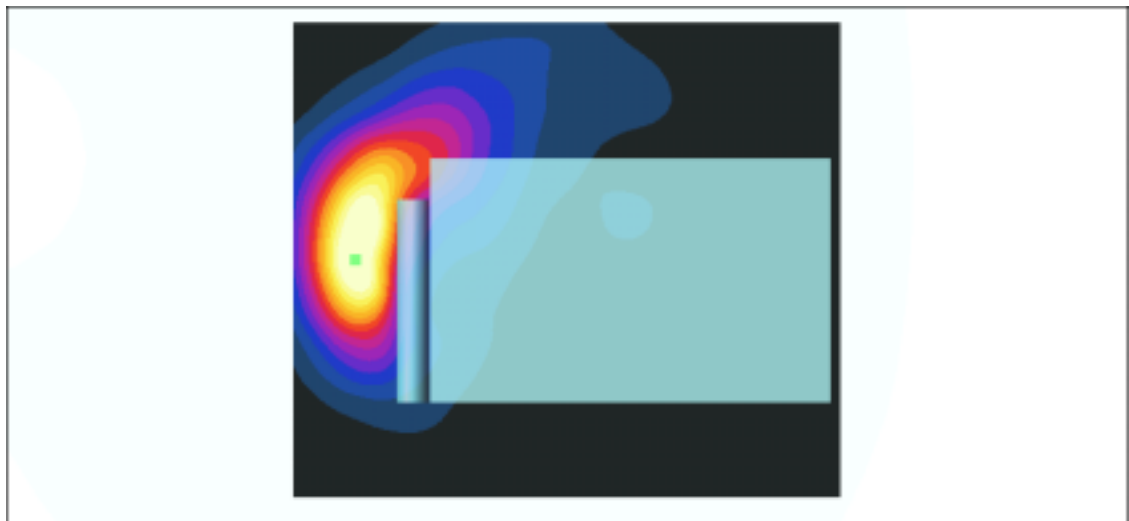
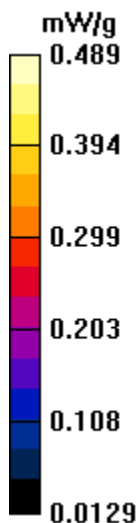
Peak SAR (extrapolated) = 0.721 W/kg

SAR(1 g) = 0.442 mW/g; SAR(10 g) = 0.238 mW/g

Reference Value = 14.4 V/m

Power Drift = -0.2 dB

Maximum value of SAR = 0.489 mW/g



Test Laboratory: Advance Data Technology

GPRS PC Card Inspiron 3800 Bottom Mode 1

DUT: GPRS PC Card ; Type: GP00001-00C02 ; Test Channel Frequency: 1880 MHz

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

Medium: MSL1900 ($\sigma = 1.551$ mho/m, $\epsilon_r = 52.4458$, $\rho = 1000$ kg/m³) ; Liquid level : 155mm

Phantom section: Flat Section ; Separation distance : 11mm(The bottom side of the EUT to the Phantom)

Antenna type : External Antenna ; Air temp. : 23.0 degrees ; Liquid temp. : 22.0 degrees

DASY4 Configuration:

- Probe: ET3DV6 - SN1687; ConvF(4.9, 4.9, 4.9); Calibrated: 11/24/2003

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

- Electronics: DAE3 Sn510;

- Phantom: SAM Twin Phantom V4.0; Type: QD 000 P40 CA; Serial: TP-1150

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

Channel 661/Area Scan (9x8x1): Measurement grid: dx=15mm, dy=15mm

Reference Value = 12 V/m

Power Drift = -0.2 dB

Maximum value of SAR = 0.347 mW/g

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

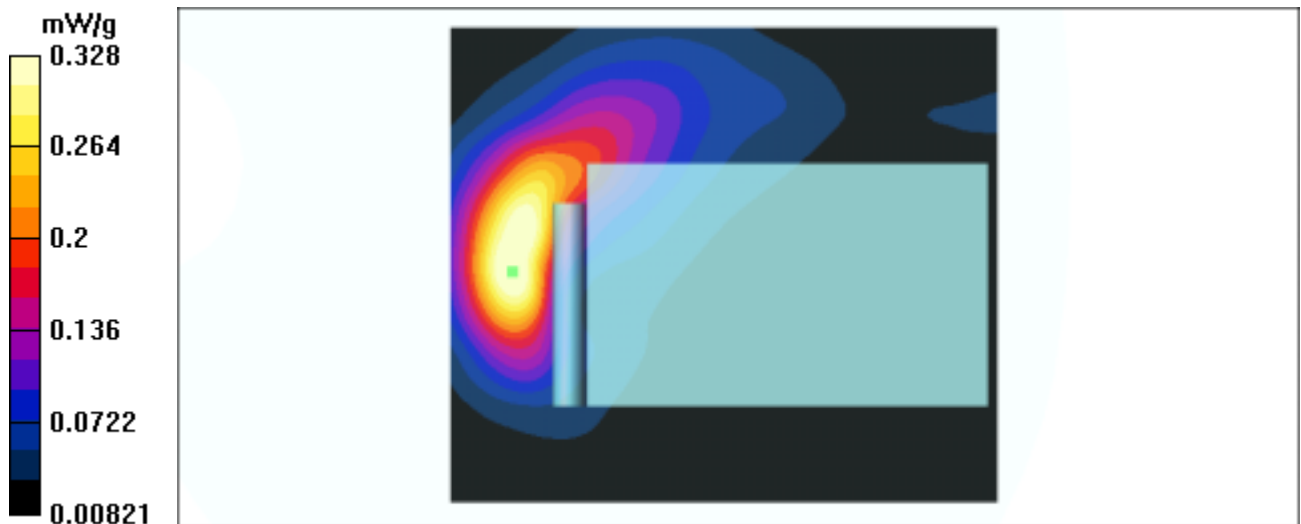
Peak SAR (extrapolated) = 0.468 W/kg

SAR(1 g) = 0.297 mW/g; SAR(10 g) = 0.163 mW/g

Reference Value = 12 V/m

Power Drift = -0.2 dB

Maximum value of SAR = 0.328 mW/g



Test Laboratory: Advance Data Technology

GPRS PC Card Inspiron 3800 Bottom Mode 1

DUT: GPRS PC Card ; Type: GP00001-00C02 ; Test Channel Frequency: 1909.8 MHz

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

Medium: MSL1900 ($\sigma = 1.588$ mho/m, $\epsilon_r = 52.1957$, $\rho = 1000$ kg/m³) ; Liquid level : 155mm

Phantom section: Flat Section ; Separation distance : 11mm(The bottom side of the EUT to the Phantom)

Antenna type : External Antenna ; Air temp. : 23.0 degrees ; Liquid temp. : 22.0 degrees

DASY4 Configuration:

- Probe: ET3DV6 - SN1687; ConvF(4.9, 4.9, 4.9); Calibrated: 11/24/2003

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

- Electronics: DAE3 Sn510;

- Phantom: SAM Twin Phantom V4.0; Type: QD 000 P40 CA; Serial: TP-1150

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

Channel 810/Area Scan (9x8x1): Measurement grid: dx=15mm, dy=15mm

Reference Value = 8.74 V/m

Power Drift = -0.1 dB

Maximum value of SAR = 0.195 mW/g

Channel 810/Zoon Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

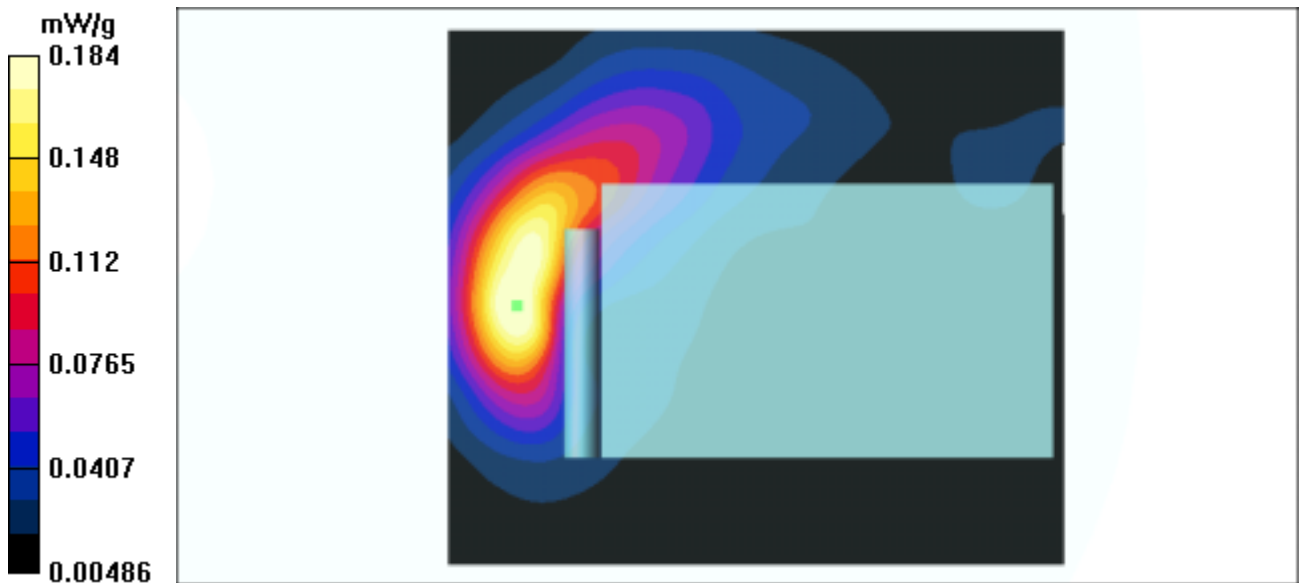
Peak SAR (extrapolated) = 0.254 W/kg

SAR(1 g) = 0.165 mW/g; SAR(10 g) = 0.0904 mW/g

Reference Value = 8.74 V/m

Power Drift = -0.1 dB

Maximum value of SAR = 0.184 mW/g



Test Laboratory: Advance Data Technology

GPRS PC Card Inspiron 3800 Tip Mode 2

DUT: GPRS PC Card ; Type: GP00001-00C02 ; Test Channel Frequency: 1850.2 MHz

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

Medium: MSL1900 ($\sigma = 1.519$ mho/m, $\epsilon_r = 52.5814$, $\rho = 1000$ kg/m³) ; Liquid level : 155mm

Phantom section: Flat Section ; Separation distance : 0mm(The tip of the EUT to the Phantom)

Antenna type : External Antenna ; Air temp. : 23 degrees ; Liquid temp. : 22 degrees

DASY4 Configuration:

- Probe: ET3DV6 - SN1687; ConvF(4.9, 4.9, 4.9); Calibrated: 11/24/2003

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

- Electronics: DAE3 Sn510; Calibrated: 6/2/2003

- Phantom: SAM Twin Phantom V4.0; Type: QD 000 P40 CA; Serial: TP-1150

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

Channel 512/Area Scan (5x7x1): Measurement grid: dx=15mm, dy=15mm

Reference Value = 22.2 V/m

Power Drift = -0.2 dB

Maximum value of SAR = 0.7 mW/g

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

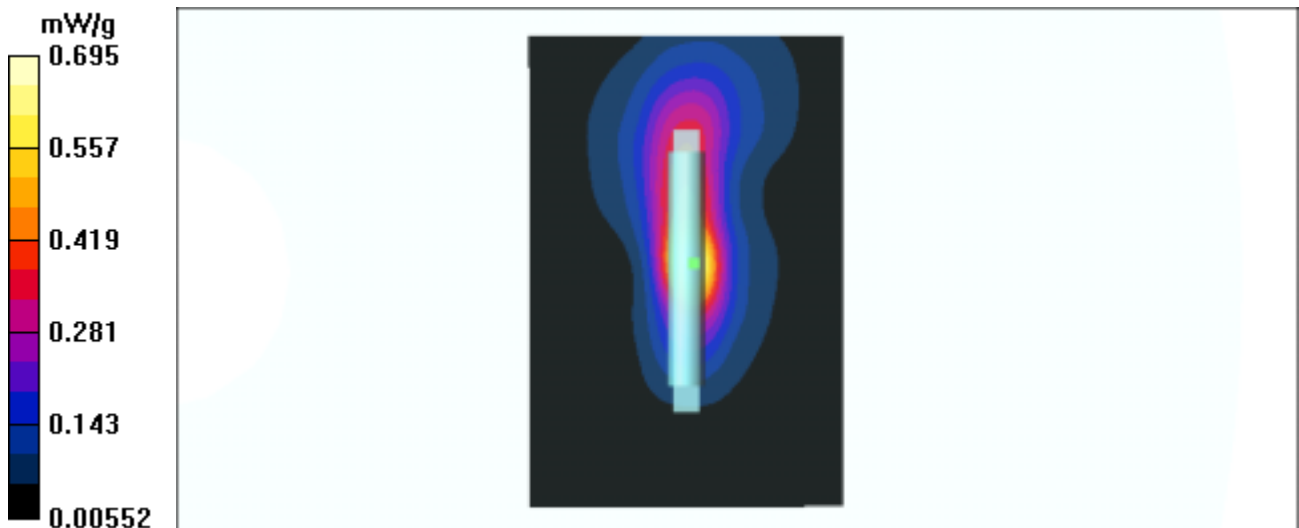
Peak SAR (extrapolated) = 1.22 W/kg

SAR(1 g) = 0.587 mW/g; SAR(10 g) = 0.24 mW/g

Reference Value = 22.2 V/m

Power Drift = -0.2 dB

Maximum value of SAR = 0.695 mW/g



Test Laboratory: Advance Data Technology

GPRS PC Card Inspiron 3800 Tip Mode 2

DUT: GPRS PC Card ; Type: GP00001-00C02 ; Test Channel Frequency: 1880 MHz

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

Medium: MSL1900 ($\sigma = 1.551$ mho/m, $\epsilon_r = 52.4458$, $\rho = 1000$ kg/m³) ; Liquid level : 155mm

Phantom section: Flat Section ; Separation distance : 0mm(The tip of the EUT to the Phantom)

Antenna type : External Antenna ; Air temp. : 23 degrees ; Liquid temp. : 22 degrees

DASY4 Configuration:

- Probe: ET3DV6 - SN1687; ConvF(4.9, 4.9, 4.9); Calibrated: 11/24/2003

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

- Electronics: DAE3 Sn510; Calibrated: 6/2/2003

- Phantom: SAM Twin Phantom V4.0; Type: QD 000 P40 CA; Serial: TP-1150

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

Channel 661/Area Scan (5x7x1): Measurement grid: dx=15mm, dy=15mm

Reference Value = 18.1 V/m

Power Drift = -0.2 dB

Maximum value of SAR = 0.491 mW/g

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

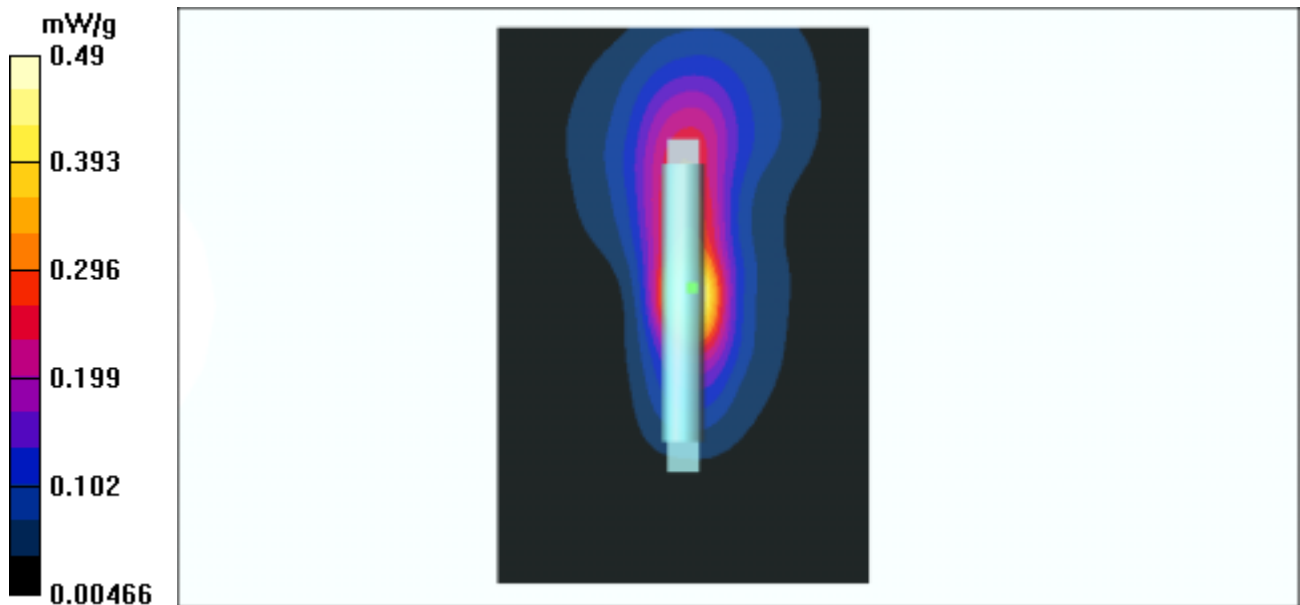
Peak SAR (extrapolated) = 0.873 W/kg

SAR(1 g) = 0.411 mW/g; SAR(10 g) = 0.163 mW/g

Reference Value = 18.1 V/m

Power Drift = -0.2 dB

Maximum value of SAR = 0.49 mW/g



Test Laboratory: Advance Data Technology

GPRS PC Card Inspiron 3800 Tip Mode 2

DUT: GPRS PC Card ; Type: GP00001-00C02 ; Test Channel Frequency: 1909.8 MHz

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

Medium: MSL1900 ($\sigma = 1.588$ mho/m, $\epsilon_r = 52.1957$, $\rho = 1000$ kg/m³) ; Liquid level : 155mm

Phantom section: Flat Section ; Separation distance : 0mm(The tip of the EUT to the Phantom)

Antenna type : External Antenna ; Air temp. : 23 degrees ; Liquid temp. : 22 degrees

DASY4 Configuration:

- Probe: ET3DV6 - SN1687; ConvF(4.9, 4.9, 4.9); Calibrated: 11/24/2003

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

- Electronics: DAE3 Sn510; Calibrated: 6/2/2003

- Phantom: SAM Twin Phantom V4.0; Type: QD 000 P40 CA; Serial: TP-1150

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

Channel 810/Area Scan (5x7x1): Measurement grid: dx=15mm, dy=15mm

Reference Value = 16.1 V/m

Power Drift = -0.1 dB

Maximum value of SAR = 0.384 mW/g

Channel 810/Zoon Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

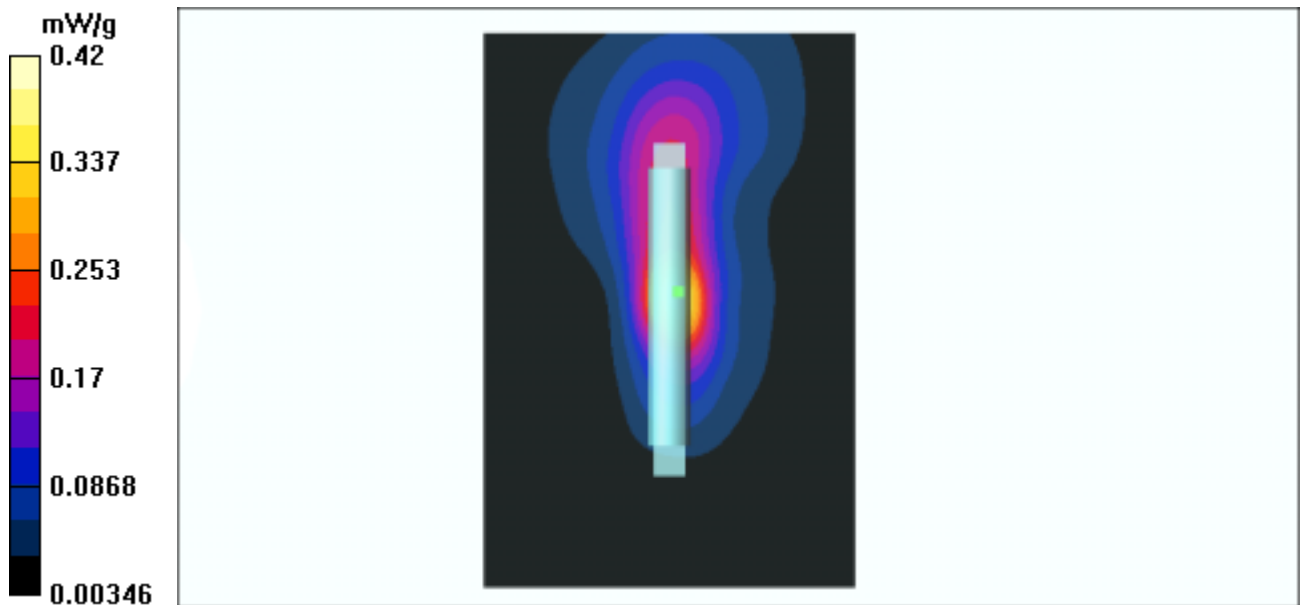
Peak SAR (extrapolated) = 0.746 W/kg

SAR(1 g) = 0.342 mW/g; SAR(10 g) = 0.134 mW/g

Reference Value = 16.1 V/m

Power Drift = -0.1 dB

Maximum value of SAR = 0.42 mW/g



Test Laboratory: Advance Data Technology

GPRS PC Card Inspiron 3800 Front Mode 3

DUT: GPRS PC Card ; Type: GP00001-00C02 ; Test Channel Frequency: 1850.2 MHz

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

Medium: MSL1900 ($\sigma = 1.519$ mho/m, $\epsilon_r = 52.5814$, $\rho = 1000$ kg/m³) ; Liquid level : 155mm

Phantom section: Flat Section ; Separation distance : 8mm(The front of the EUT to the Phantom)

Antenna type : External Antenna ; Air temp. : 23.0 degrees ; Liquid temp. : 22.0 degrees

DASY4 Configuration:

- Probe: ET3DV6 - SN1687; ConvF(4.9, 4.9, 4.9); Calibrated: 11/24/2003

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

- Electronics: DAE3 Sn510;

- Phantom: SAM Twin Phantom V4.0; Type: QD 000 P40 CA; Serial: TP-1150

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

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

Reference Value = 13.6 V/m

Power Drift = -0.2 dB

Maximum value of SAR = 0.299 mW/g

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

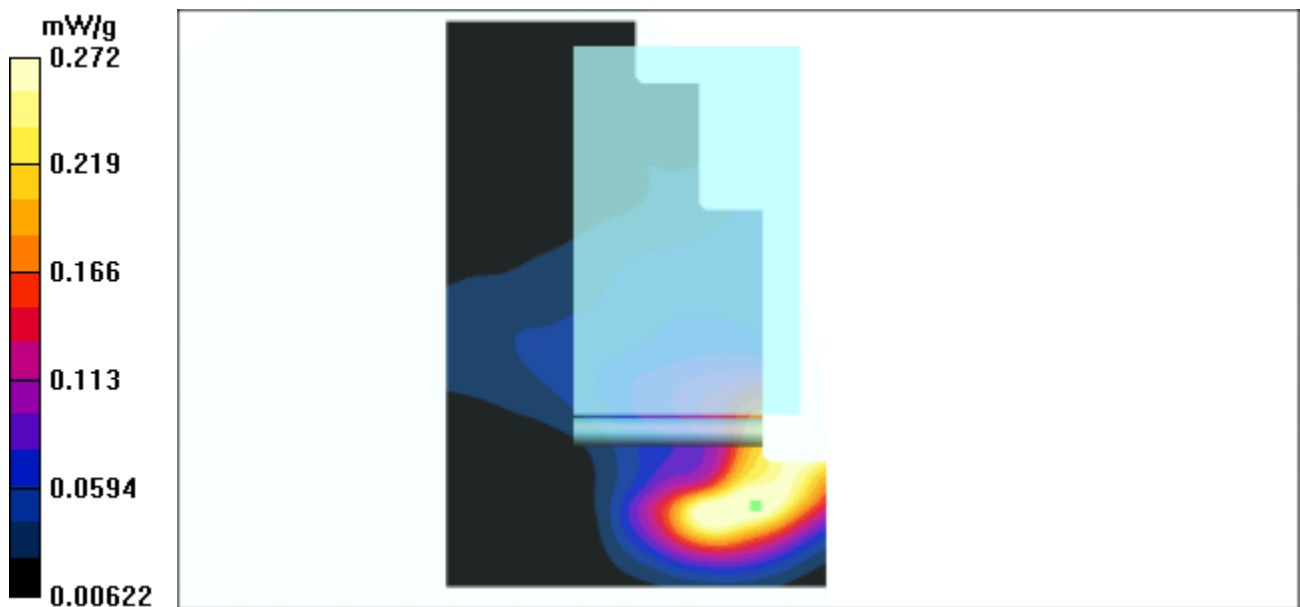
Peak SAR (extrapolated) = 0.498 W/kg

SAR(1 g) = 0.252 mW/g; SAR(10 g) = 0.138 mW/g

Reference Value = 13.6 V/m

Power Drift = -0.2 dB

Maximum value of SAR = 0.272 mW/g



Test Laboratory: Advance Data Technology

GPRS PC Card Inspiron 3800 Front Mode 3

DUT: GPRS PC Card ; Type: GP00001-00C02 ; Test Channel Frequency: 1880 MHz

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

Medium: MSL1900 ($\sigma = 1.551$ mho/m, $\epsilon_r = 52.4458$, $\rho = 1000$ kg/m³) ; Liquid level : 155mm

Phantom section: Flat Section ; Separation distance : 8mm(The front of the EUT to the Phantom)

Antenna type : External Antenna ; Air temp. : 23.0 degrees ; Liquid temp. : 22.0 degrees

DASY4 Configuration:

- Probe: ET3DV6 - SN1687; ConvF(4.9, 4.9, 4.9); Calibrated: 11/24/2003

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

- Electronics: DAE3 Sn510;

- Phantom: SAM Twin Phantom V4.0; Type: QD 000 P40 CA; Serial: TP-1150

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

Channel 661/Area Scan (7x10x1): Measurement grid: dx=15mm, dy=15mm

Reference Value = 11.1 V/m

Power Drift = -0.2 dB

Maximum value of SAR = 0.216 mW/g

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

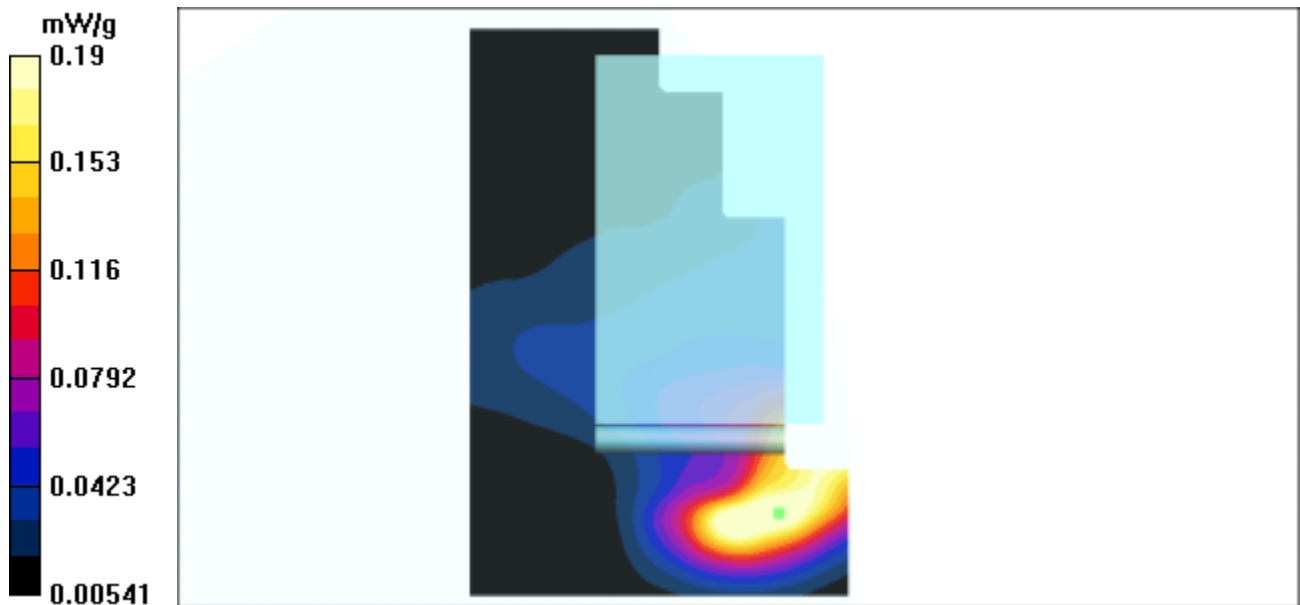
Peak SAR (extrapolated) = 0.343 W/kg

SAR(1 g) = 0.177 mW/g; SAR(10 g) = 0.0954 mW/g

Reference Value = 11.1 V/m

Power Drift = -0.2 dB

Maximum value of SAR = 0.19 mW/g



Test Laboratory: Advance Data Technology

GPRS PC Card Inspiron 3800 Front Mode 3

DUT: GPRS PC Card ; Type: GP00001-00C02 ; Test Channel Frequency: 1909.8 MHz

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

Medium: MSL1900 ($\sigma = 1.588$ mho/m, $\epsilon_r = 52.1957$, $\rho = 1000$ kg/m³) ; Liquid level : 155mm

Phantom section: Flat Section ; Separation distance : 8mm(The front of the EUT to the Phantom)

Antenna type : External Antenna ; Air temp. : 23.0 degrees ; Liquid temp. : 22.0 degrees

DASY4 Configuration:

- Probe: ET3DV6 - SN1687; ConvF(4.9, 4.9, 4.9); Calibrated: 11/24/2003

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

- Electronics: DAE3 Sn510;

- Phantom: SAM Twin Phantom V4.0; Type: QD 000 P40 CA; Serial: TP-1150

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

Channel 810/Area Scan (7x10x1): Measurement grid: dx=15mm, dy=15mm

Reference Value = 9.8 V/m

Power Drift = -0.1 dB

Maximum value of SAR = 0.177 mW/g

Channel 810/Zoon Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Peak SAR (extrapolated) = 0.254 W/kg

SAR(1 g) = 0.146 mW/g; SAR(10 g) = 0.0788 mW/g

Reference Value = 9.8 V/m

Power Drift = -0.1 dB

Maximum value of SAR = 0.164 mW/g

