Date/Time: 04/12/04 14:57:46

Test Laboratory: Advance Data Technology

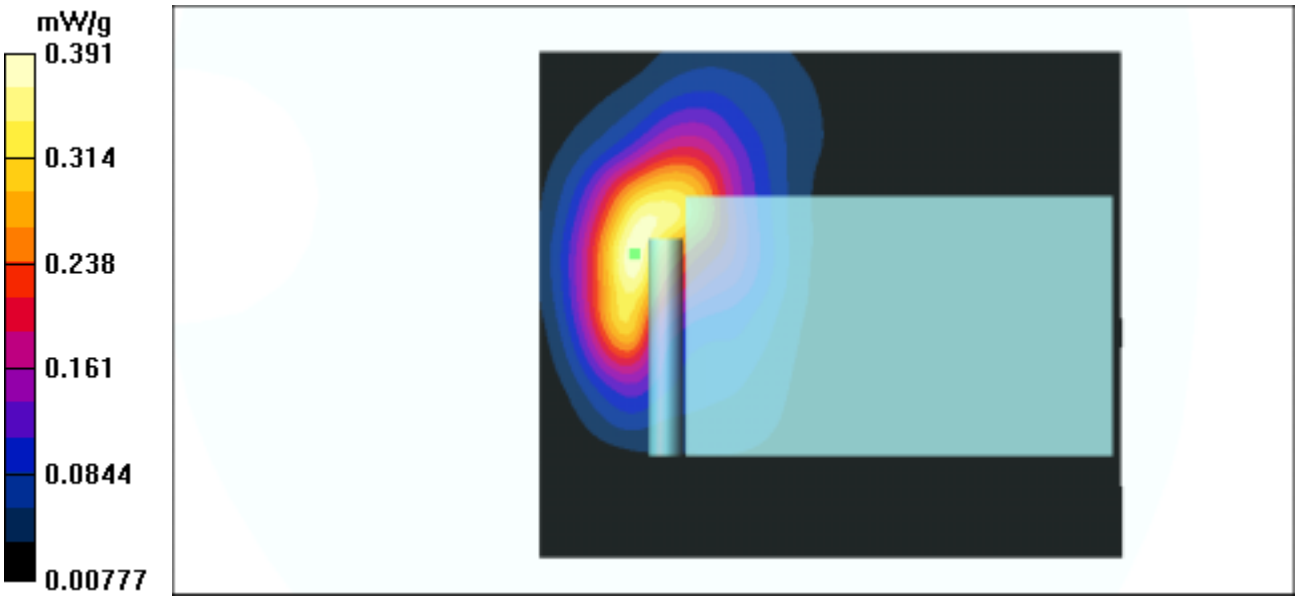
GPRS PC Card EVO N800C Bottom Mode 4

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 (σ = 1.519 mho/m, ε_r = 52.5814, ρ = 1000 kg/m^3) ; Liquid level : 155mm
Phantom section: Flat Section ; Separation distance : 10mm(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 = 15 V/m
Power Drift = -0.02 dB
Maximum value of SAR = 0.385 mW/g

Channel 512/Zoon Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Peak SAR (extrapolated) = 0.668 W/kg
SAR(1 g) = 0.356 mW/g; SAR(10 g) = 0.187 mW/g
Reference Value = 15 V/m
Power Drift = -0.02 dB
Maximum value of SAR = 0.391 mW/g



Date/Time: 04/12/04 15:27:41

Test Laboratory: Advance Data Technology

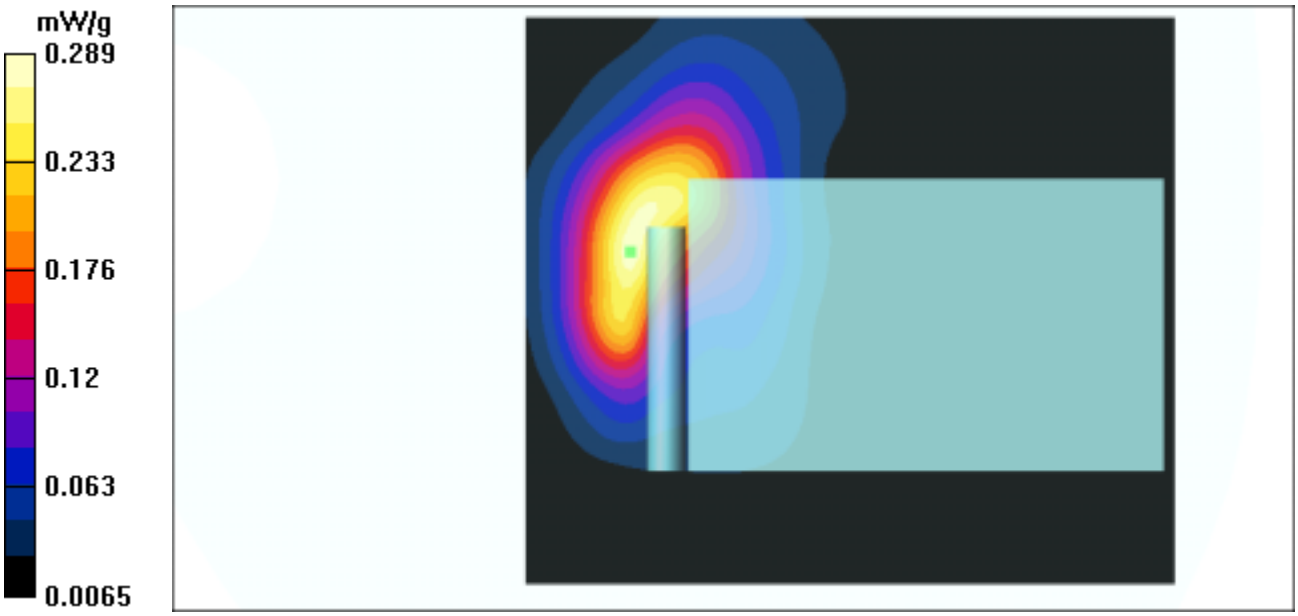
GPRS PC Card EVO N800C Bottom Mode 4

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 (σ = 1.551 mho/m, ε_r = 52.4458, ρ = 1000 kg/m^3) ; Liquid level : 155mm
Phantom section: Flat Section ; Separation distance : 10mm(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 = 13 V/m
Power Drift = -0.1 dB
Maximum value of SAR = 0.282 mW/g

Channel 661/Zoon Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Peak SAR (extrapolated) = 0.495 W/kg
SAR(1 g) = 0.265 mW/g; SAR(10 g) = 0.139 mW/g
Reference Value = 13 V/m
Power Drift = -0.1 dB
Maximum value of SAR = 0.289 mW/g



Date/Time: 04/12/04 15:57:16

Test Laboratory: Advance Data Technology

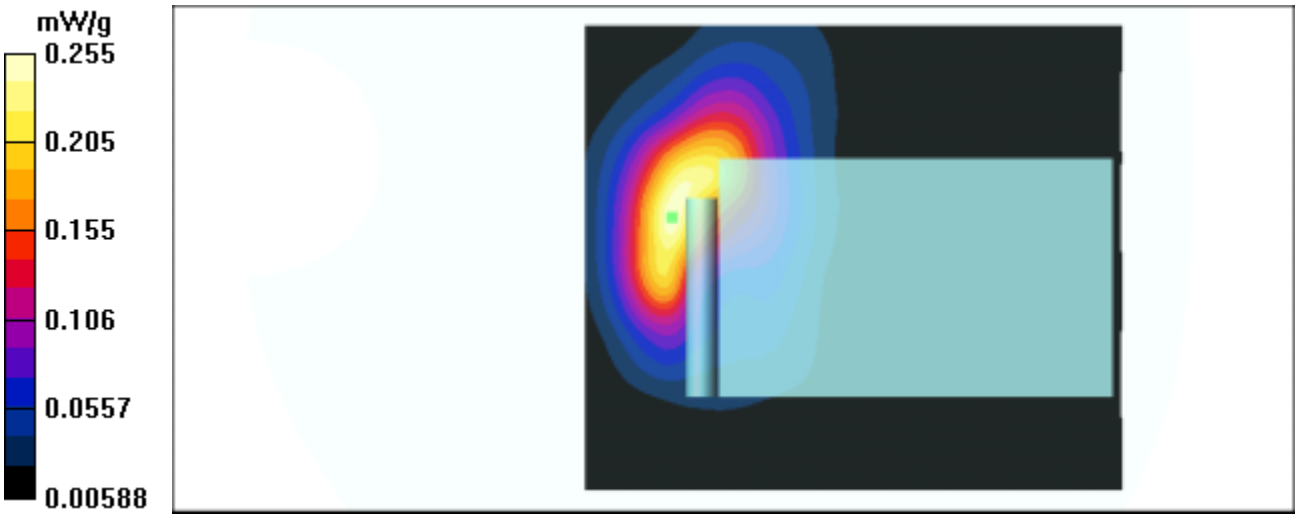
GPRS PC Card EVO N800C Bottom Mode 4

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 (σ = 1.588 mho/m, ε_r = 52.1957, ρ = 1000 kg/m^3) ; Liquid level : 155mm
Phantom section: Flat Section ; Separation distance : 10mm(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 = 12 V/m
Power Drift = -0.1 dB
Maximum value of SAR = 0.251 mW/g

Channel 810/Zoon Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Peak SAR (extrapolated) = 0.446 W/kg
SAR(1 g) = 0.231 mW/g; SAR(10 g) = 0.122 mW/g
Reference Value = 12 V/m
Power Drift = -0.1 dB
Maximum value of SAR = 0.255 mW/g



Date/Time: 04/10/04 13:16:48

Test Laboratory: Advance Data Technology

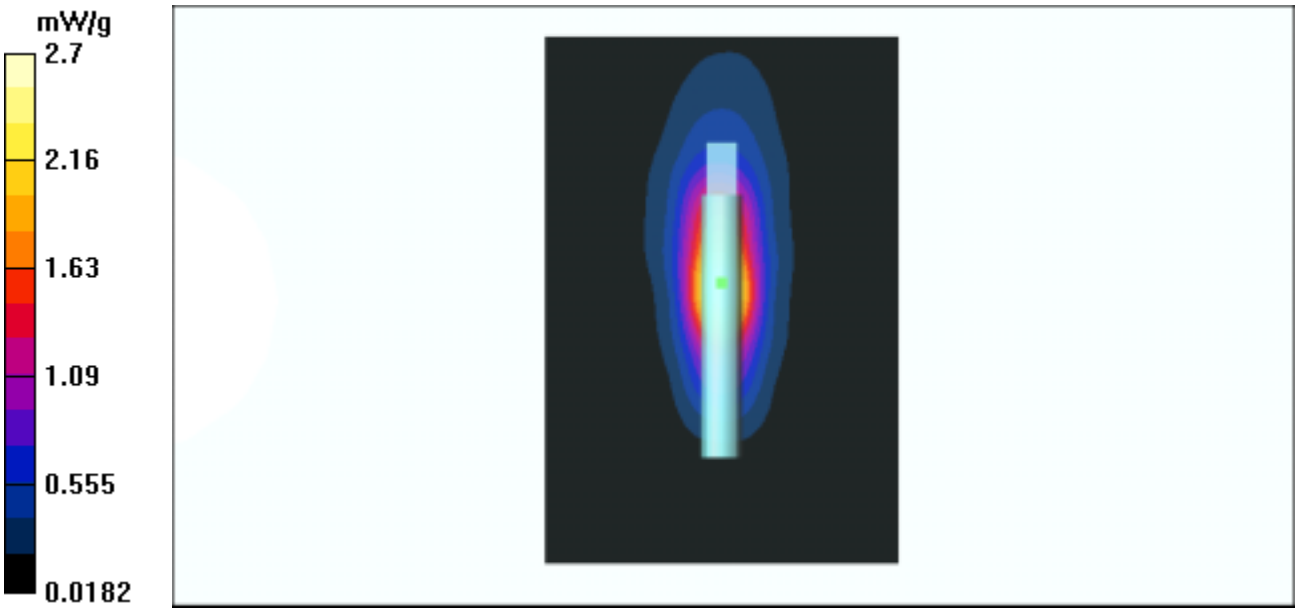
2 GPRS PC Card EVO N800C Tip Mode 5

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 (σ = 1.519 mho/m, ε_r = 52.5814, ρ = 1000 kg/m^3) ; Liquid level : 151mm
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 = 44.9 V/m
Power Drift = -0.2 dB
Maximum value of SAR = 2.79 mW/g

Channel 512/Zoon Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Peak SAR (extrapolated) = 4.69 W/kg
SAR(1 g) = 2.24 mW/g; SAR(10 g) = 0.882 mW/g
Reference Value = 44.9 V/m
Power Drift = -0.2 dB
Maximum value of SAR = 2.7 mW/g



Date/Time: 04/10/04 13:16:48

Test Laboratory: Advance Data Technology

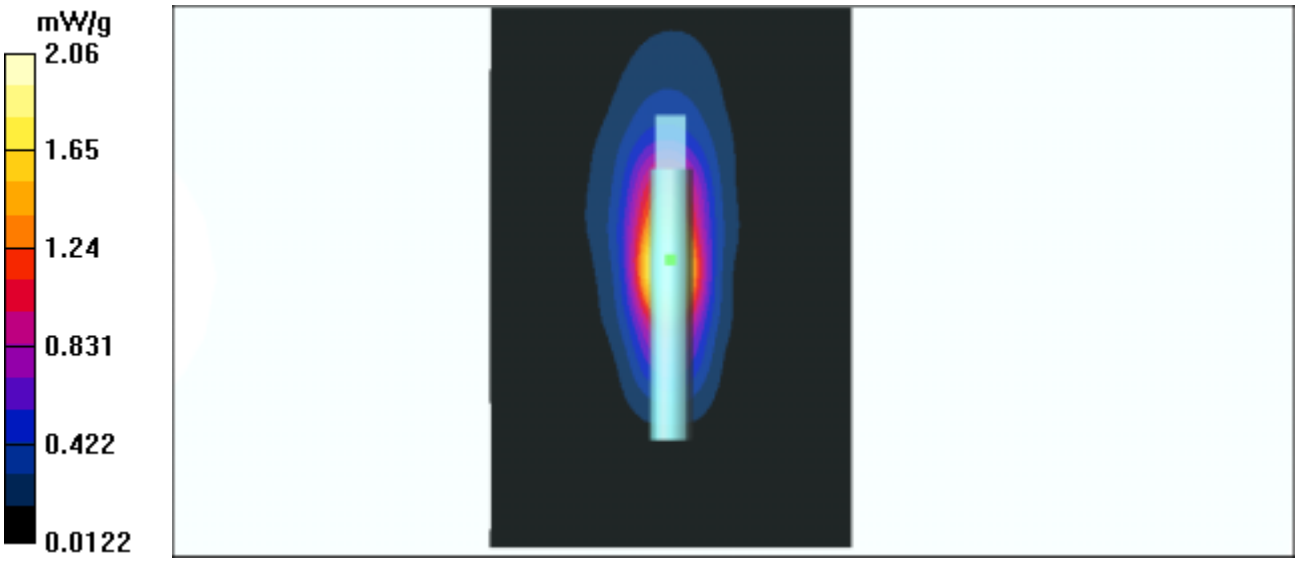
2 GPRS PC Card EVO N800C Tip Mode 5

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 (σ = 1.551 mho/m, ε_r = 52.4458, ρ = 1000 kg/m^3) ; Liquid level : 151mm
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 = 39.4 V/m
Power Drift = -0.2 dB
Maximum value of SAR = 2.18 mW/g

Channel 661/Zoon Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Peak SAR (extrapolated) = 3.57 W/kg
SAR(1 g) = 1.71 mW/g; SAR(10 g) = 0.677 mW/g
Reference Value = 39.4 V/m
Power Drift = -0.2 dB
Maximum value of SAR = 2.06 mW/g



Date/Time: 04/10/04 13:16:48

Test Laboratory: Advance Data Technology

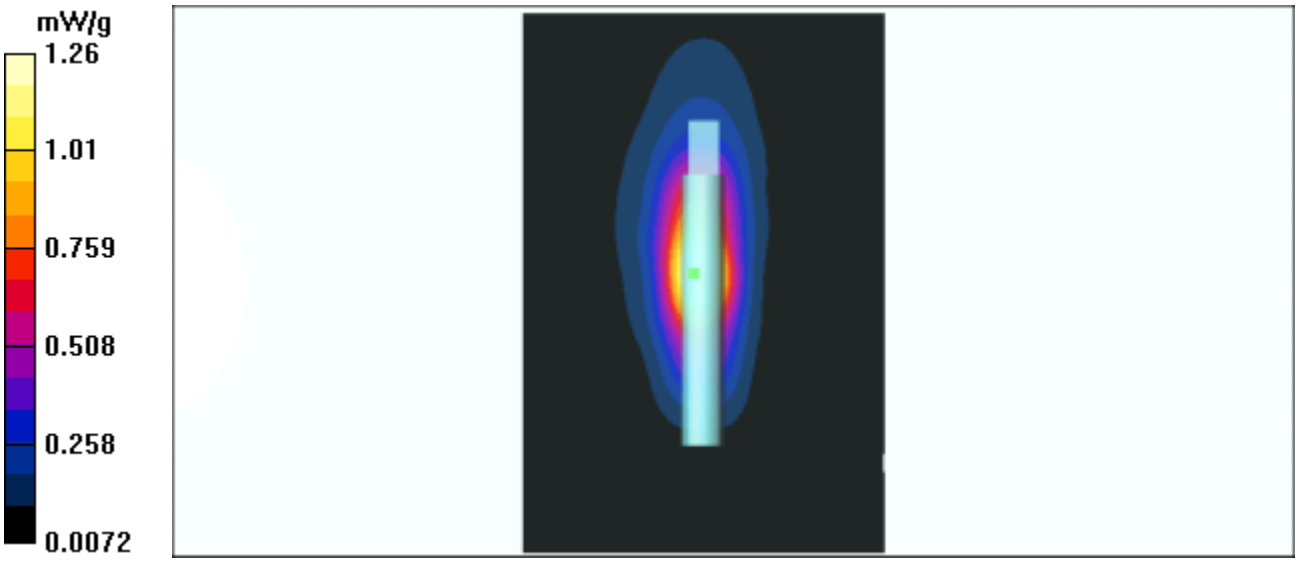
2 GPRS PC Card EVO N800C Tip Mode 5

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 (σ = 1.588 mho/m, ε_r = 52.1957, ρ = 1000 kg/m^3) ; Liquid level : 151mm
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 = 30.8 V/m
Power Drift = -0.2 dB
Maximum value of SAR = 1.4 mW/g

Channel 810/Zoon Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Peak SAR (extrapolated) = 2.23 W/kg
SAR(1 g) = 1.03 mW/g; SAR(10 g) = 0.404 mW/g
Reference Value = 30.8 V/m
Power Drift = -0.2 dB
Maximum value of SAR = 1.26 mW/g



Date/Time: 04/12/04 17:55:18

Test Laboratory: Advance Data Technology

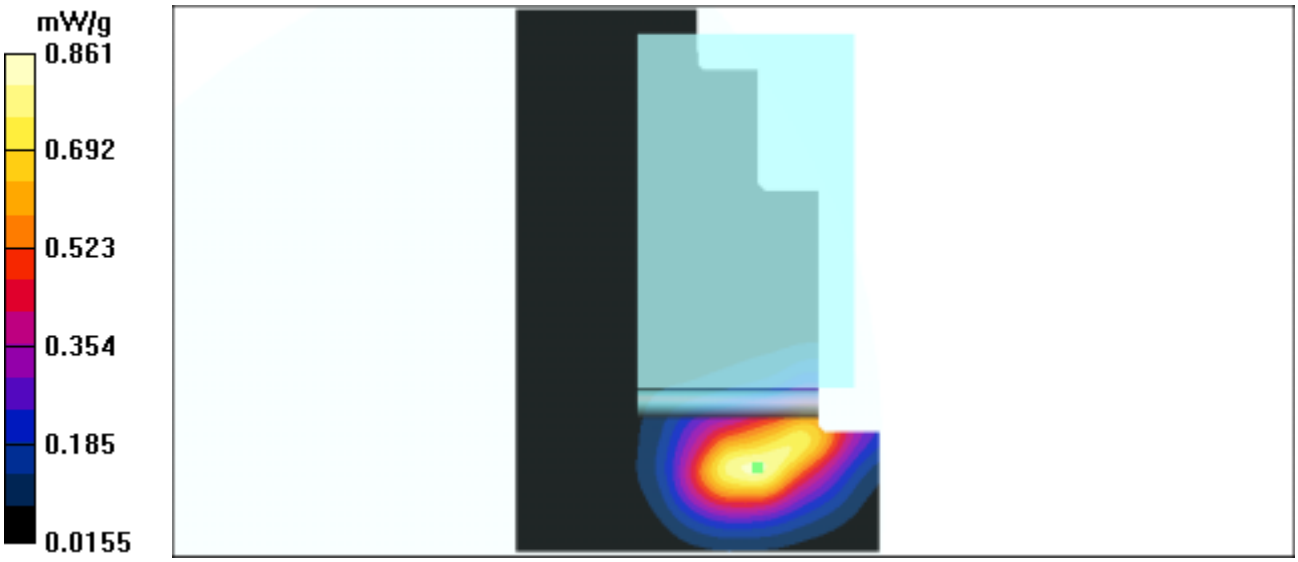
GPRS PC Card EVO N800C Front Mode 6

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 (σ = 1.519 mho/m, ε_r = 52.5814, ρ = 1000 kg/m^3) ; 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 = 16.5 V/m
Power Drift = 0.03 dB
Maximum value of SAR = 0.826 mW/g

Channel 512/Zoon Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Peak SAR (extrapolated) = 1.35 W/kg
SAR(1 g) = 0.78 mW/g; SAR(10 g) = 0.4 mW/g
Reference Value = 16.5 V/m
Power Drift = 0.03 dB
Maximum value of SAR = 0.861 mW/g



Date/Time: 04/10/04 18:26:18

Test Laboratory: Advance Data Technology

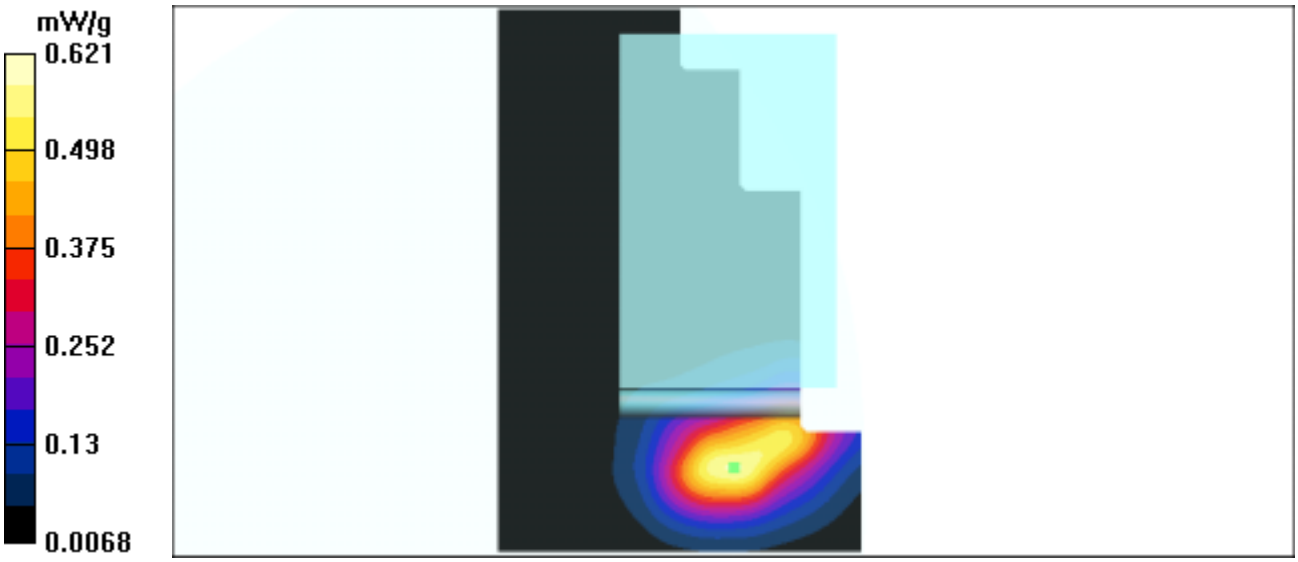
GPRS PC Card EVO N800C Front Mode 6

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 (σ = 1.551 mho/m, ε_r = 52.4458, ρ = 1000 kg/m^3) ; Liquid level : 155mm
Phantom section: Flat Section ; Separation distance : 12mm(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 = 13.9 V/m
Power Drift = -0.2 dB
Maximum value of SAR = 0.588 mW/g

Channel 661/Zoon Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Peak SAR (extrapolated) = 0.983 W/kg
SAR(1 g) = 0.556 mW/g; SAR(10 g) = 0.285 mW/g
Reference Value = 13.9 V/m
Power Drift = -0.2 dB
Maximum value of SAR = 0.621 mW/g



Date/Time: 04/12/04 18:57:38

Test Laboratory: Advance Data Technology

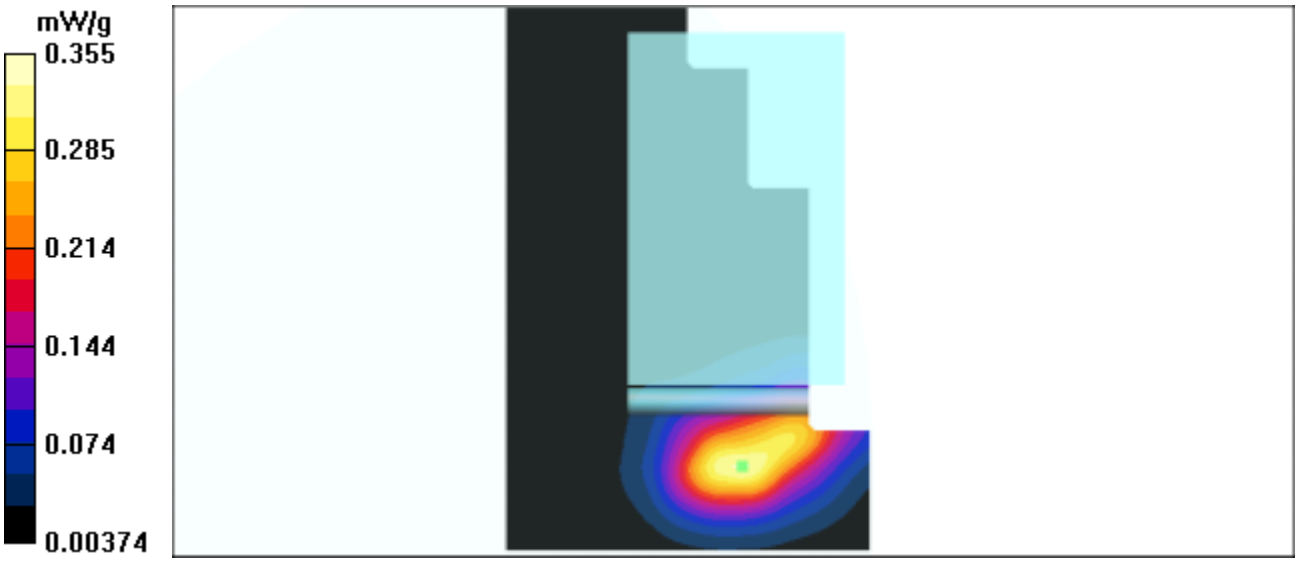
2 GPRS PC Card EVO N800C Front Mode 6

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 (σ = 1.588 mho/m, ε_r = 52.1957, ρ = 1000 kg/m^3) ; 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 = 10.3 V/m
Power Drift = 0.2 dB
Maximum value of SAR = 0.336 mW/g

Channel 810/Zoon Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Peak SAR (extrapolated) = 0.571 W/kg
SAR(1 g) = 0.318 mW/g; SAR(10 g) = 0.163 mW/g
Reference Value = 10.3 V/m
Power Drift = 0.2 dB
Maximum value of SAR = 0.355 mW/g



Date/Time: 04/12/04 19:25:30

Test Laboratory: Advance Data Technology

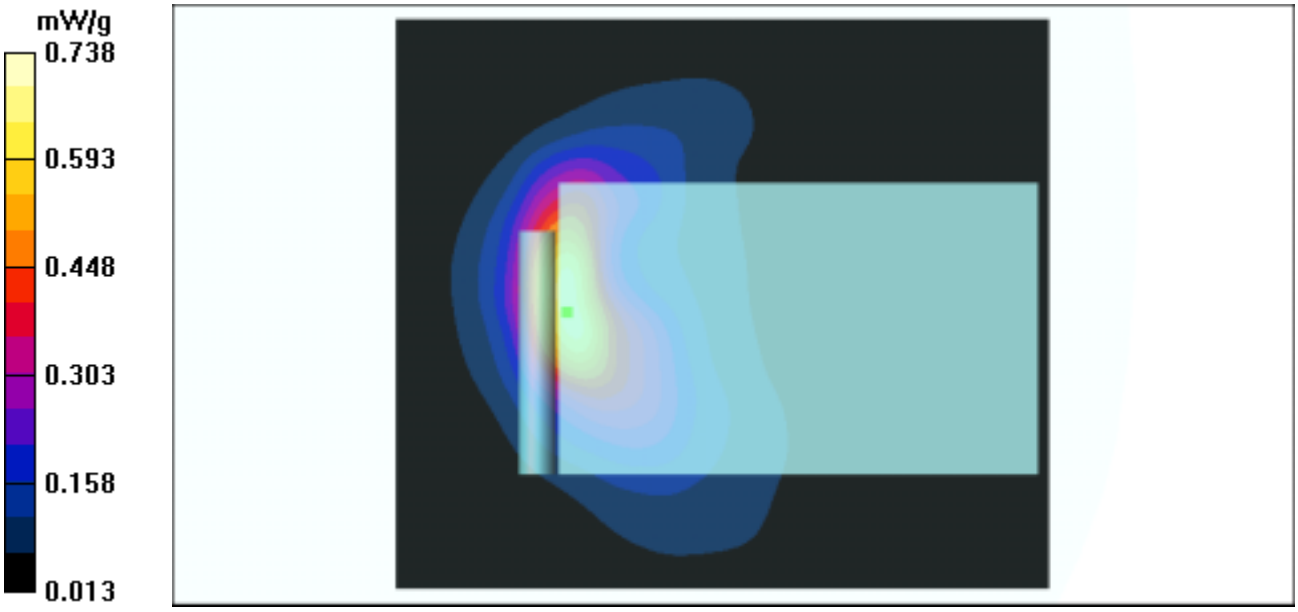
GPRS PC Card C600 Bottom Mode 7

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 (σ = 1.519 mho/m, ε_r = 52.5814, ρ = 1000 kg/m^3) ; 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 = 14.3 V/m
Power Drift = -0.09 dB
Maximum value of SAR = 0.67 mW/g

Channel 512/Zoon Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Peak SAR (extrapolated) = 1.15 W/kg
SAR(1 g) = 0.673 mW/g; SAR(10 g) = 0.345 mW/g
Reference Value = 14.3 V/m
Power Drift = -0.09 dB
Maximum value of SAR = 0.738 mW/g



Date/Time: 04/12/04 19:31:25

Test Laboratory: Advance Data Technology

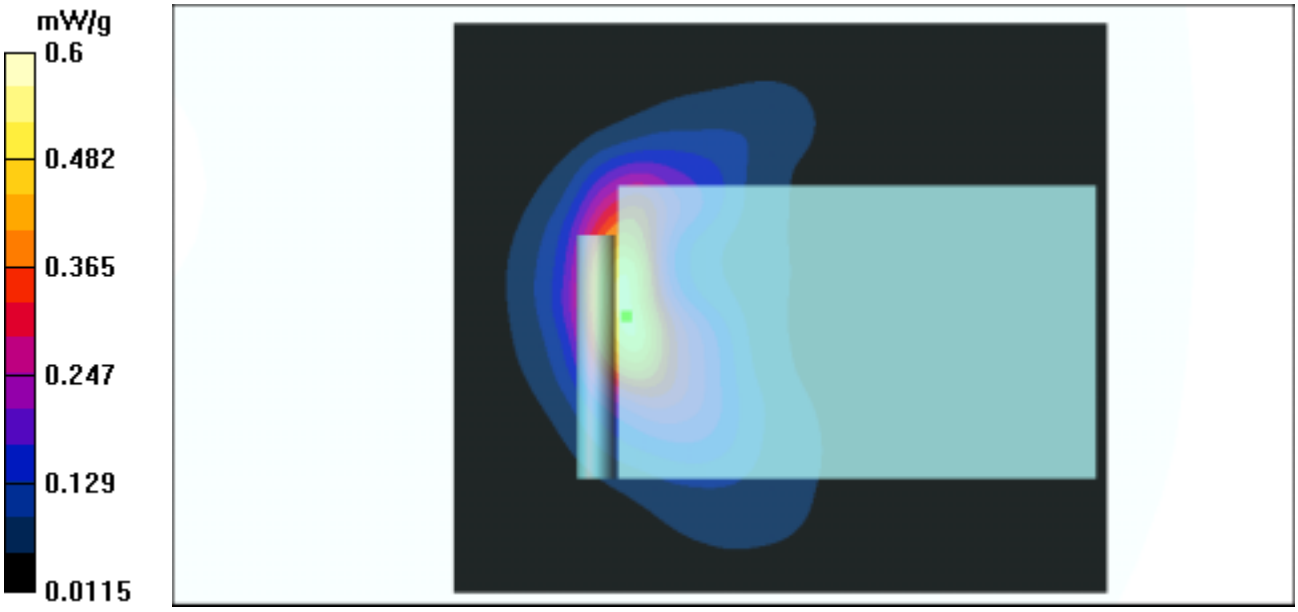
GPRS PC Card C600 Bottom Mode 7

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 (σ = 1.551 mho/m, ε_r = 52.4458, ρ = 1000 kg/m^3) ; 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 = 13.1 V/m
Power Drift = -0.07 dB
Maximum value of SAR = 0.537 mW/g

Channel 661/Zoon Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Peak SAR (extrapolated) = 0.914 W/kg
SAR(1 g) = 0.547 mW/g; SAR(10 g) = 0.279 mW/g
Reference Value = 13.1 V/m
Power Drift = -0.07 dB
Maximum value of SAR = 0.6 mW/g



Date/Time: 04/12/04 20:28:27

Test Laboratory: Advance Data Technology

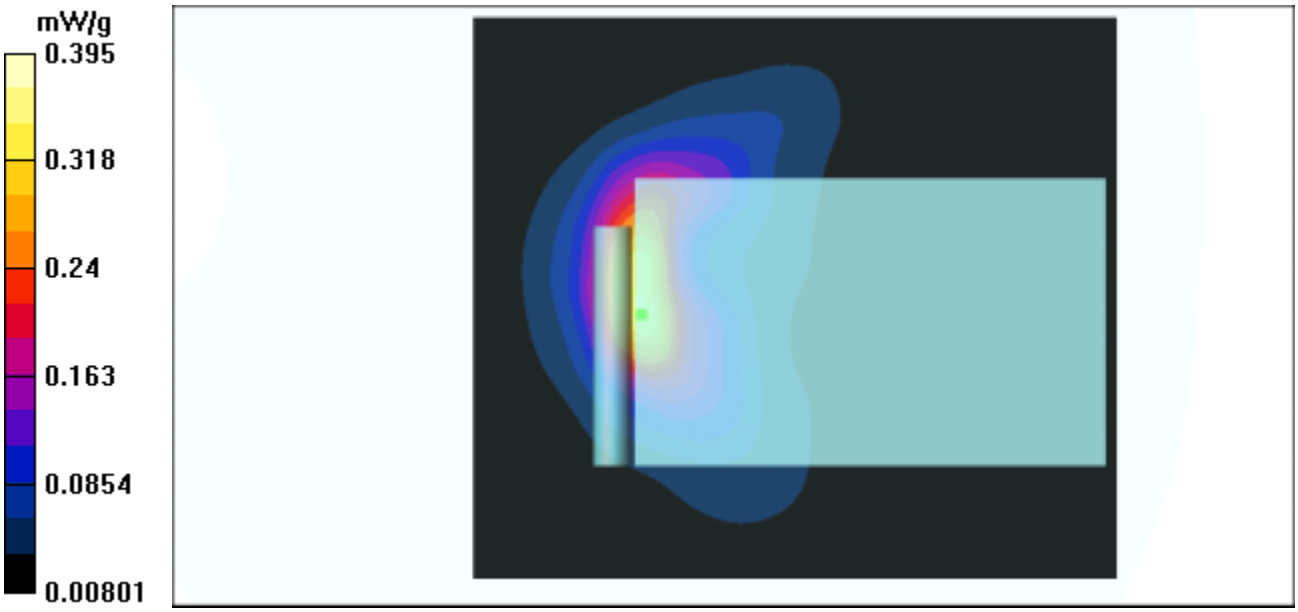
GPRS PC Card C600 Bottom Mode 7

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 (σ = 1.588 mho/m, ε_r = 52.1957, ρ = 1000 kg/m^3) ; 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 = 10.6 V/m
Power Drift = -0.1 dB
Maximum value of SAR = 0.348 mW/g

Channel 810/Zoon Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Peak SAR (extrapolated) = 0.594 W/kg
SAR(1 g) = 0.354 mW/g; SAR(10 g) = 0.179 mW/g
Reference Value = 10.6 V/m
Power Drift = -0.1 dB
Maximum value of SAR = 0.395 mW/g



Date/Time: 04/12/04 19:01:38

Test Laboratory: Advance Data Technology

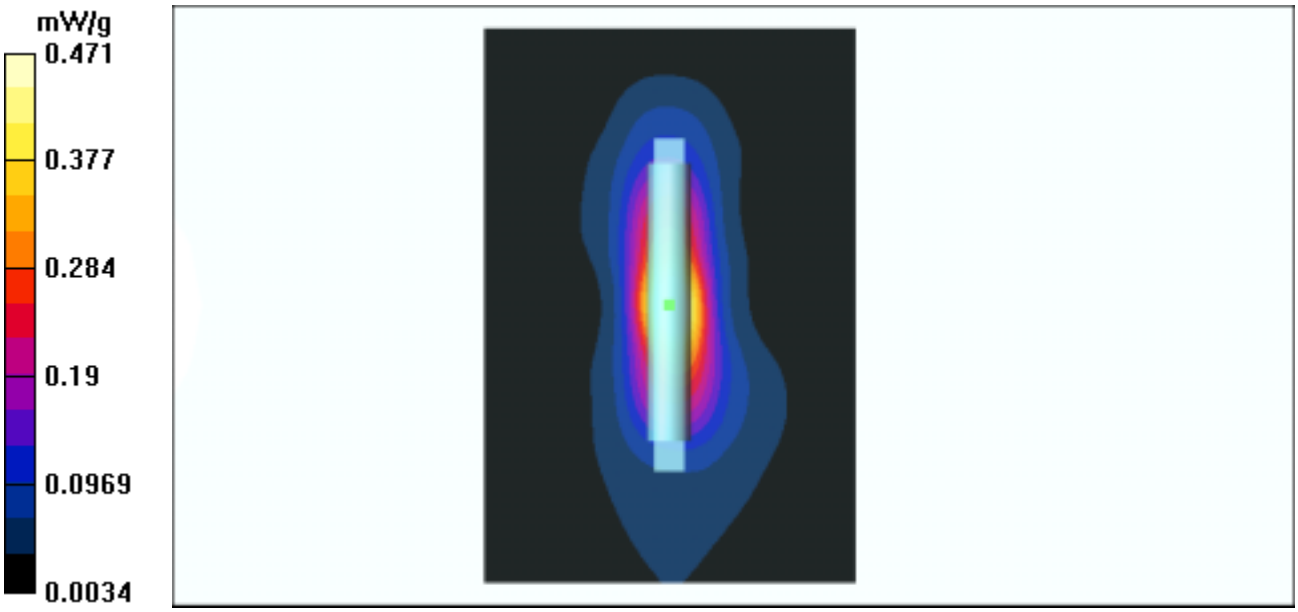
GPRS PC Card C600 Tip Mode 8

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 (σ = 1.519 mho/m, ε_r = 52.5814, ρ = 1000 kg/m^3) ; 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 = 19.4 V/m
Power Drift = -0.2 dB
Maximum value of SAR = 0.512 mW/g

Channel 512/Zoon Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Peak SAR (extrapolated) = 0.859 W/kg
SAR(1 g) = 0.411 mW/g; SAR(10 g) = 0.171 mW/g
Reference Value = 19.4 V/m
Power Drift = -0.2 dB
Maximum value of SAR = 0.471 mW/g



Date/Time: 04/12/04 19:01:38

Test Laboratory: Advance Data Technology

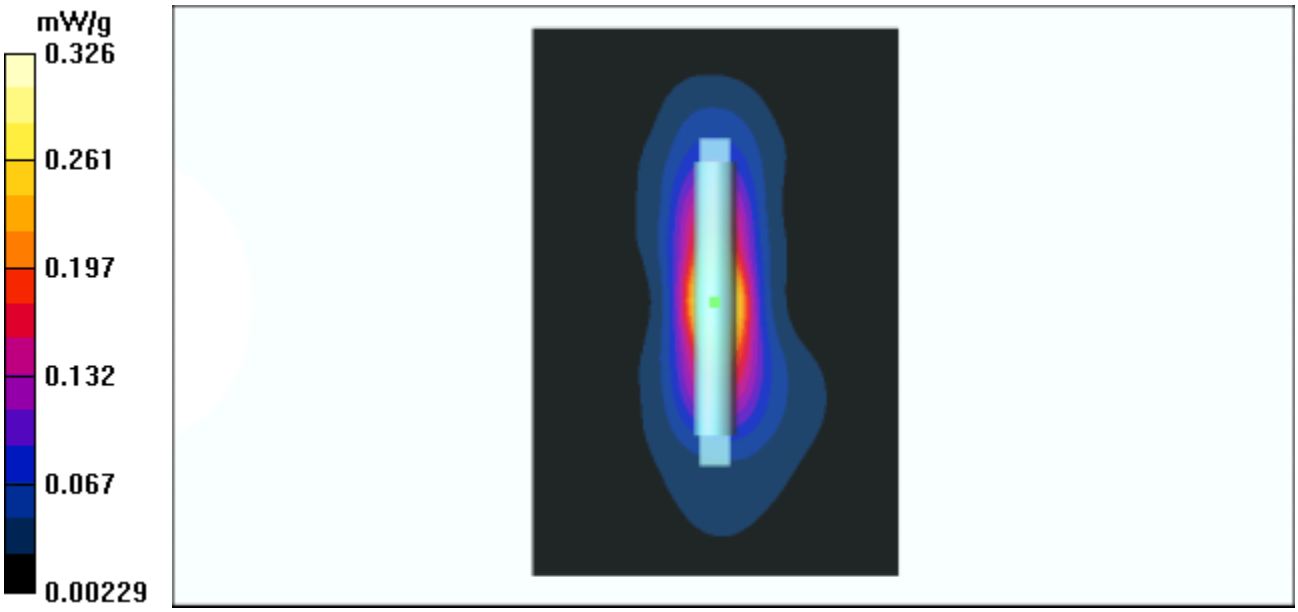
GPRS PC Card C600 Tip Mode 8

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 (σ = 1.551 mho/m, ε_r = 52.4458, ρ = 1000 kg/m^3) ; 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 = 15.7 V/m
Power Drift = -0.1 dB
Maximum value of SAR = 0.339 mW/g

Channel 661/Zoon Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Peak SAR (extrapolated) = 0.571 W/kg
SAR(1 g) = 0.279 mW/g; SAR(10 g) = 0.115 mW/g
Reference Value = 15.7 V/m
Power Drift = -0.1 dB
Maximum value of SAR = 0.326 mW/g



Date/Time: 04/12/04 19:01:38

Test Laboratory: Advance Data Technology

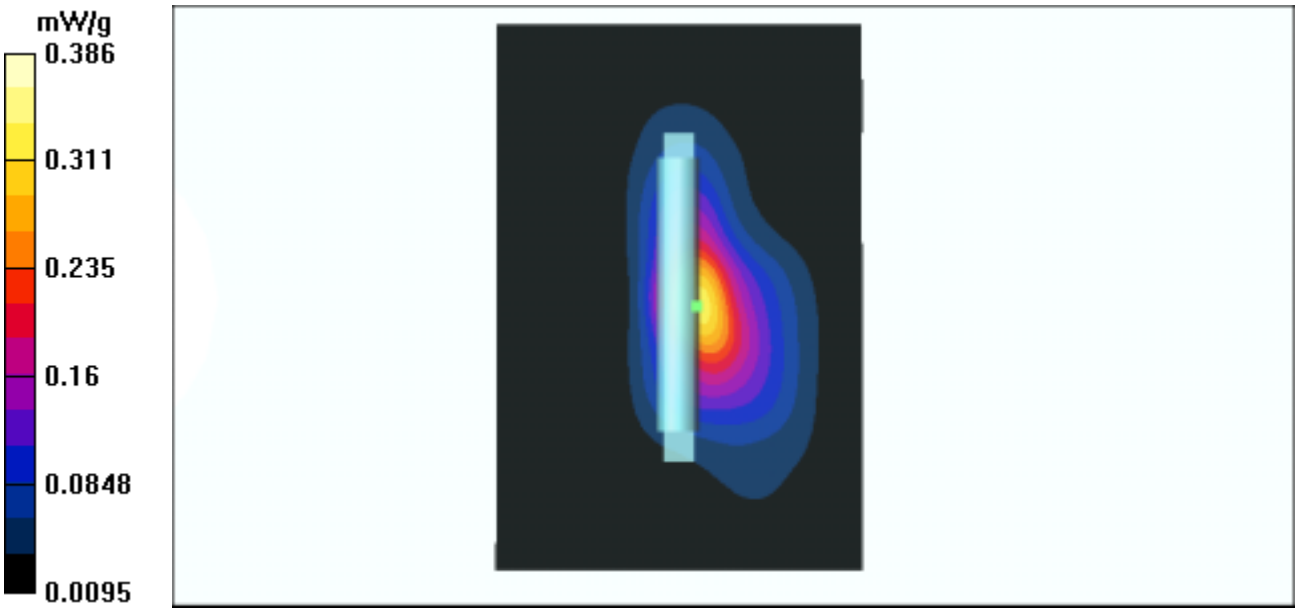
GPRS PC Card C600 Tip Mode 8

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 (σ = 1.588 mho/m, ε_r = 52.1957, ρ = 1000 kg/m^3) ; 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 = 13.8 V/m
Power Drift = 0.2 dB
Maximum value of SAR = 0.327 mW/g

Channel 810/Zoon Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Peak SAR (extrapolated) = 2.61 W/kg
SAR(1 g) = 0.284 mW/g; SAR(10 g) = 0.121 mW/g
Reference Value = 13.8 V/m
Power Drift = 0.2 dB
Maximum value of SAR = 0.386 mW/g



Date/Time: 04/12/04 22:26:44

Test Laboratory: Advance Data Technology

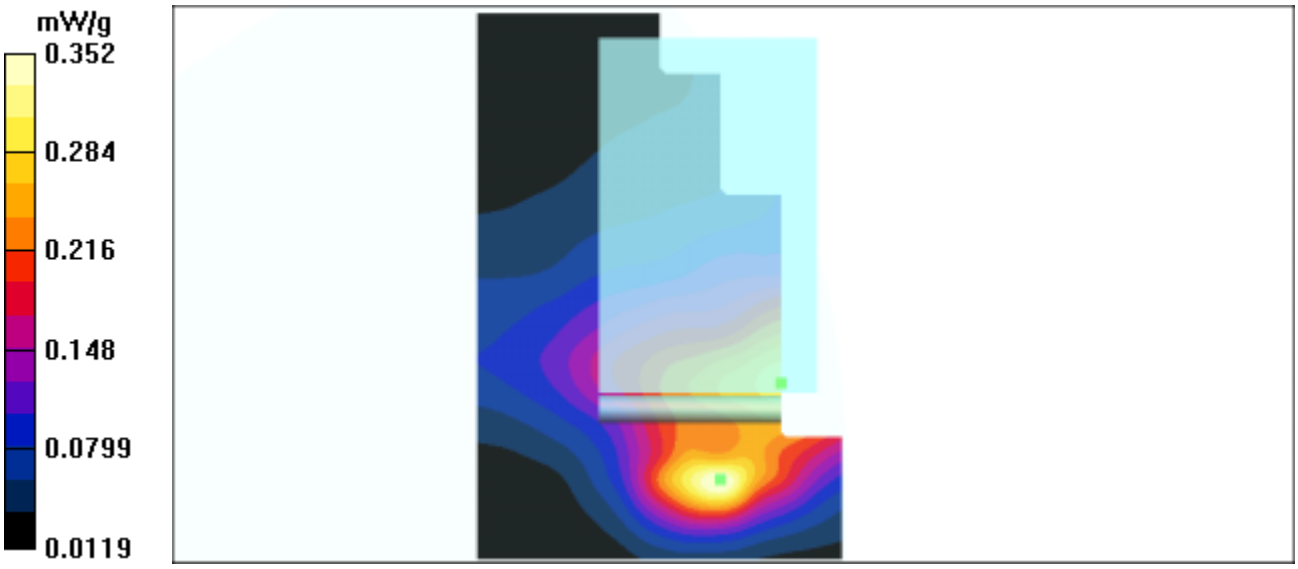
GPRS PC Card C600 Front Mode 9

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 (σ = 1.519 mho/m, ε_r = 52.5814, ρ = 1000 kg/m^3) ; 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 = 10.8 V/m
Power Drift = 0.1 dB
Maximum value of SAR = 0.36 mW/g

Channel 512/Zoon Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Peak SAR (extrapolated) = 0.509 W/kg
SAR(1 g) = 0.317 mW/g; SAR(10 g) = 0.175 mW/g
Reference Value = 10.8 V/m
Power Drift = 0.1 dB
Maximum value of SAR = 0.352 mW/g



Date/Time: 04/13/04 22:56:41

Test Laboratory: Advance Data Technology

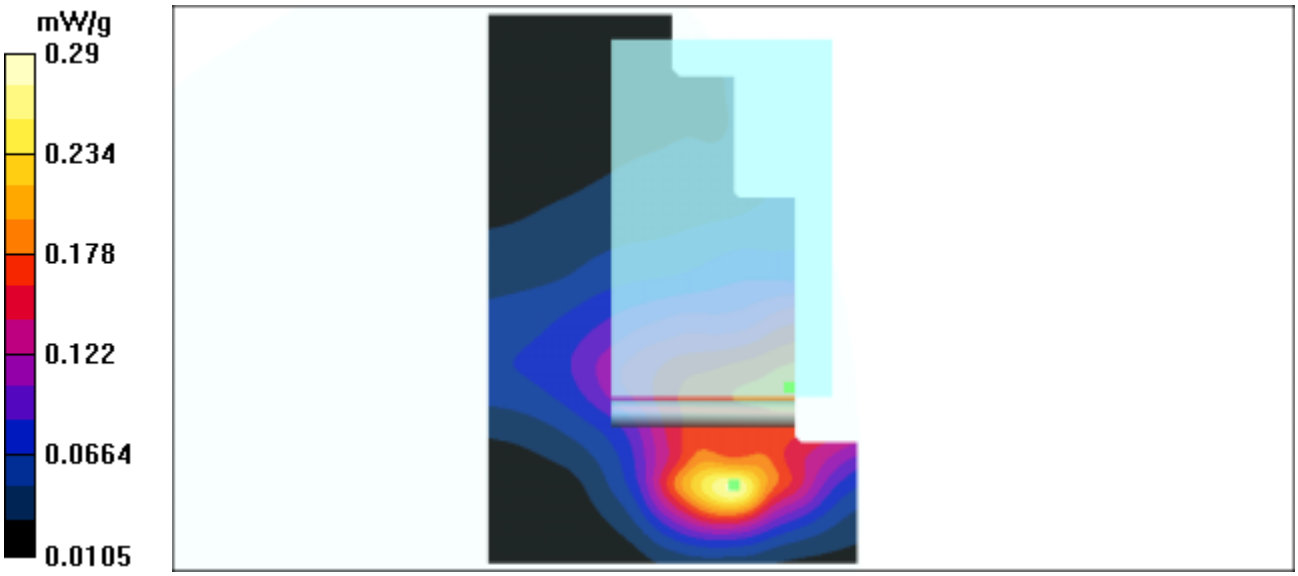
GPRS PC Card C600 Front Mode 9

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 (σ = 1.551 mho/m, ε_r = 52.4458, ρ = 1000 kg/m^3) ; 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 = 10.5 V/m
Power Drift = -0.2 dB
Maximum value of SAR = 0.275 mW/g

Channel 661/Zoon Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Peak SAR (extrapolated) = 0.435 W/kg
SAR(1 g) = 0.256 mW/g; SAR(10 g) = 0.137 mW/g
Reference Value = 10.5 V/m
Power Drift = -0.2 dB
Maximum value of SAR = 0.29 mW/g



Date/Time: 04/12/04 23:26:28

Test Laboratory: Advance Data Technology

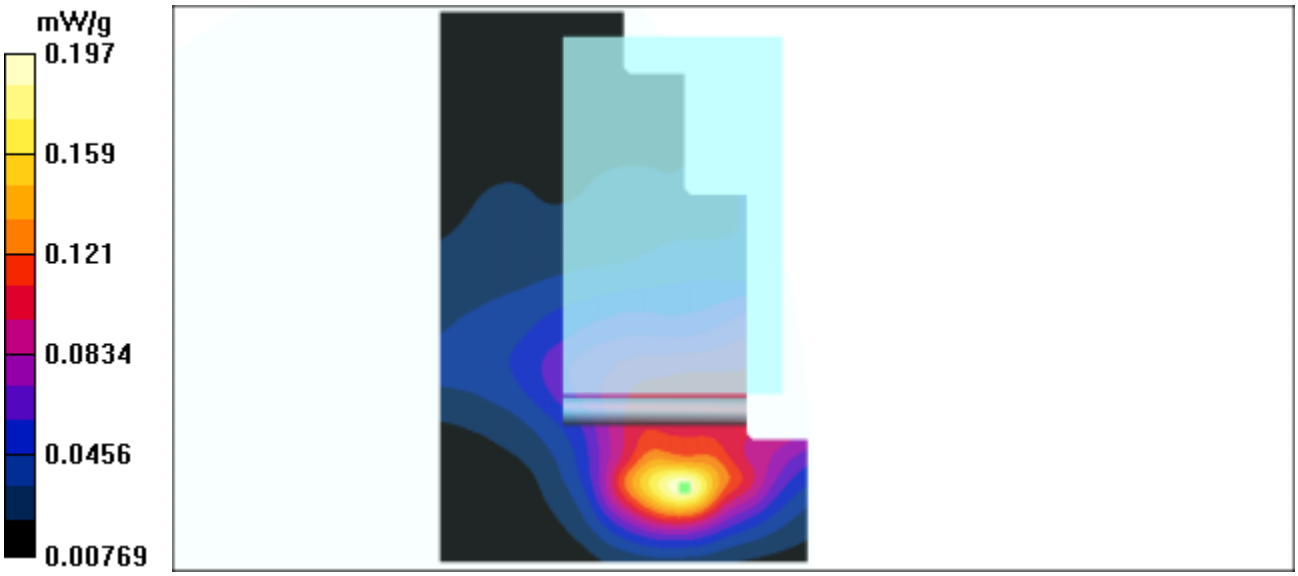
GPRS PC Card C600 Front Mode 9

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 (σ = 1.588 mho/m, ε_r = 52.1957, ρ = 1000 kg/m^3) ; 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 = 7.94 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) = 0.288 W/kg
SAR(1 g) = 0.18 mW/g; SAR(10 g) = 0.0965 mW/g
Reference Value = 7.94 V/m
Power Drift = -0.1 dB
Maximum value of SAR = 0.197 mW/g



Date/Time: 04/12/04 17:55:18

Test Laboratory: Advance Data Technology

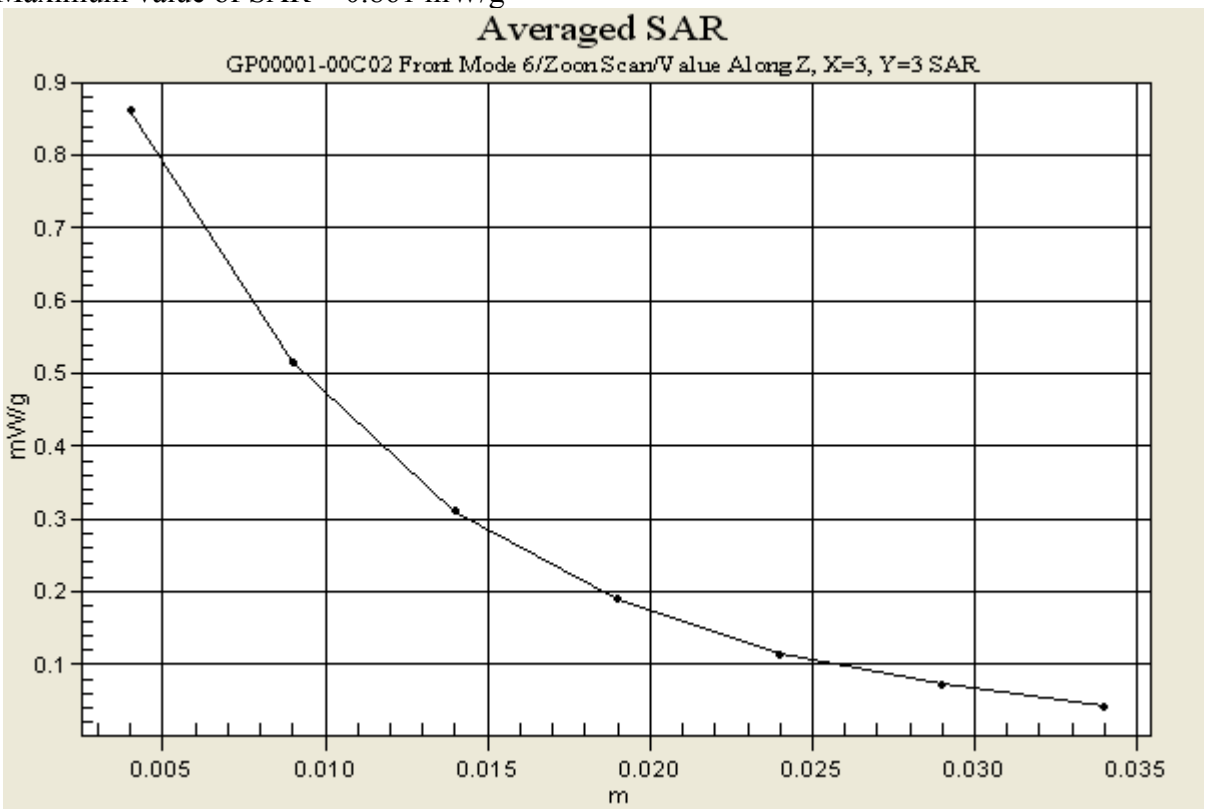
GPRS PC Card EVO N800C Front Mode 6

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 (σ = 1.519 mho/m, ε_r = 52.5814, ρ = 1000 kg/m^3) ; 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. : 22.0degrees
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 (61x91x1): Measurement grid: dx=15mm, dy=15mm
Reference Value = 16.5 V/m
Power Drift = 0.03 dB
Maximum value of SAR = 0.826 mW/g

Channel 512/Zoon Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Peak SAR (extrapolated) = 1.35 W/kg
SAR(1 g) = 0.78 mW/g; SAR(10 g) = 0.4 mW/g
Reference Value = 16.5 V/m
Power Drift = 0.03 dB
Maximum value of SAR = 0.861 mW/g



A3 : SYSTEM VALIDATION

Date/Time: 04/12/04 08:33:12

Test Laboratory: Advance Data Technology

SystemPerformanceCheck MSL 1900-2004-04-12

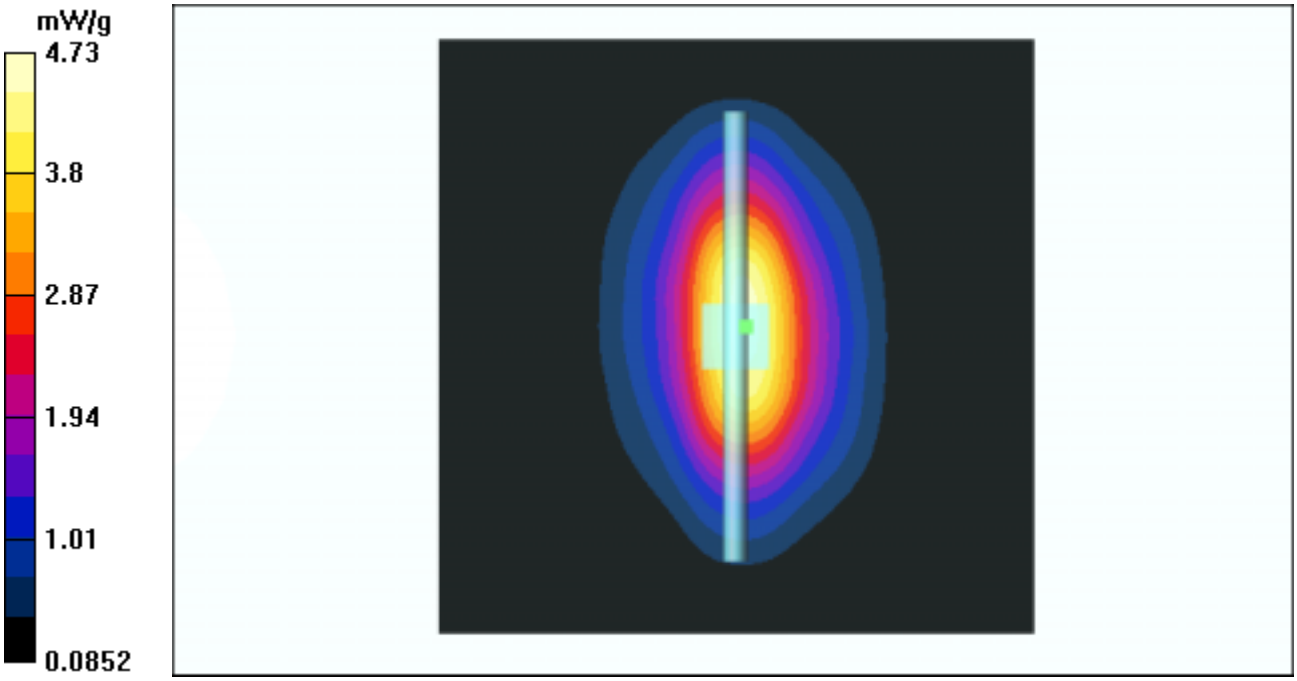
DUT: Dipole 1900 MHz ; Type: D1900V2

Communication System: CW ; Frequency: 1900 MHz; Duty Cycle: 1:1; Modulation type: CW
Medium: MSL1900 (σ = 1.575 mho/m, ε_r = 52.276, ρ = 1000 kg/m^3) ; Liquid level : 155mm
Phantom section: Flat Section ; Separation distance : 10mm(The feetpoint of the dipole to the Phantom)
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

d=10mm, Pin=100mW/Area Scan (61x61x1): Measurement grid: dx=15mm, dy=15mm
Reference Value = 57.3 V/m
Power Drift = -0.1 dB
Maximum value of SAR = 4.59 mW/g

d=10mm, Pin=100mW/Zoom Scan (7x7x7) (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Peak SAR (extrapolated) = 7.23 W/kg
SAR(1 g) = 4.12 mW/g; SAR(10 g) = 2.13 mW/g
Reference Value = 57.3 V/m
Power Drift = -0.1 dB
Maximum value of SAR = 4.73 mW/g



APPENDIX B: ADT SAR MEASUREMENT SYSTEM

APPENDIX C: PHOTOGRAPHS OF SYSTEM VALIDATION