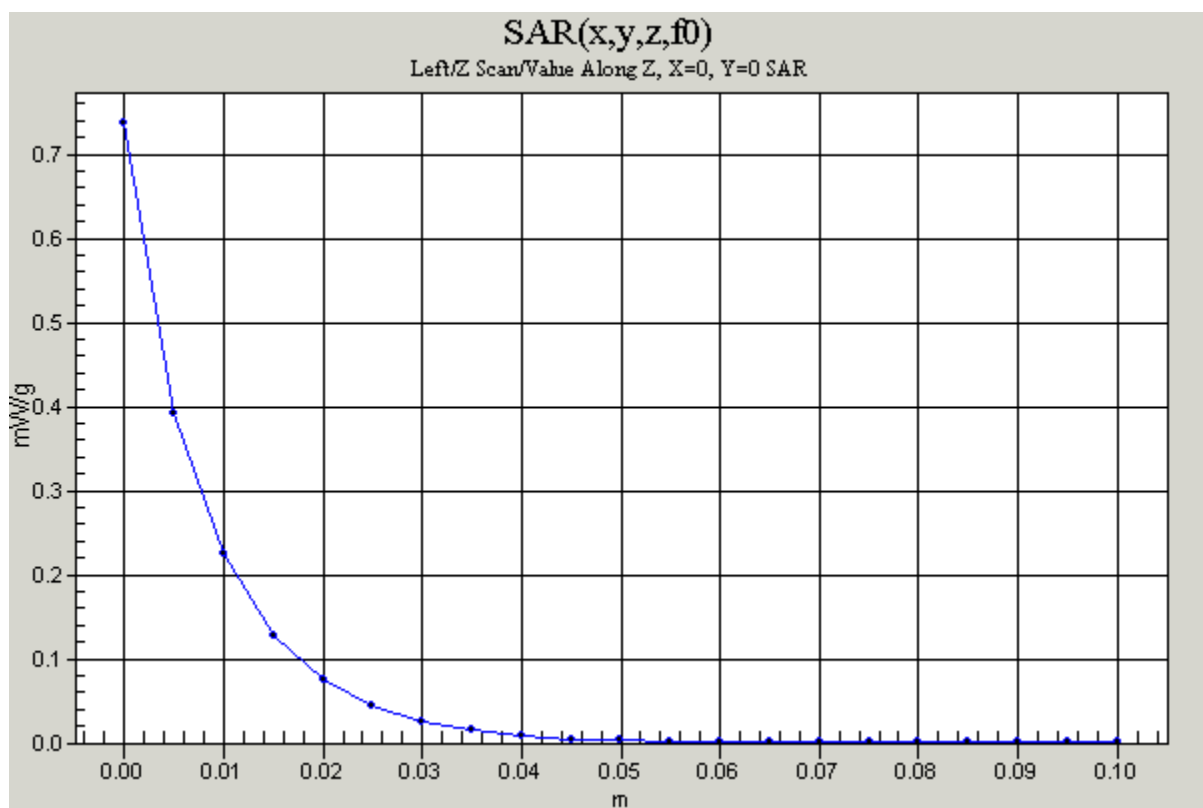
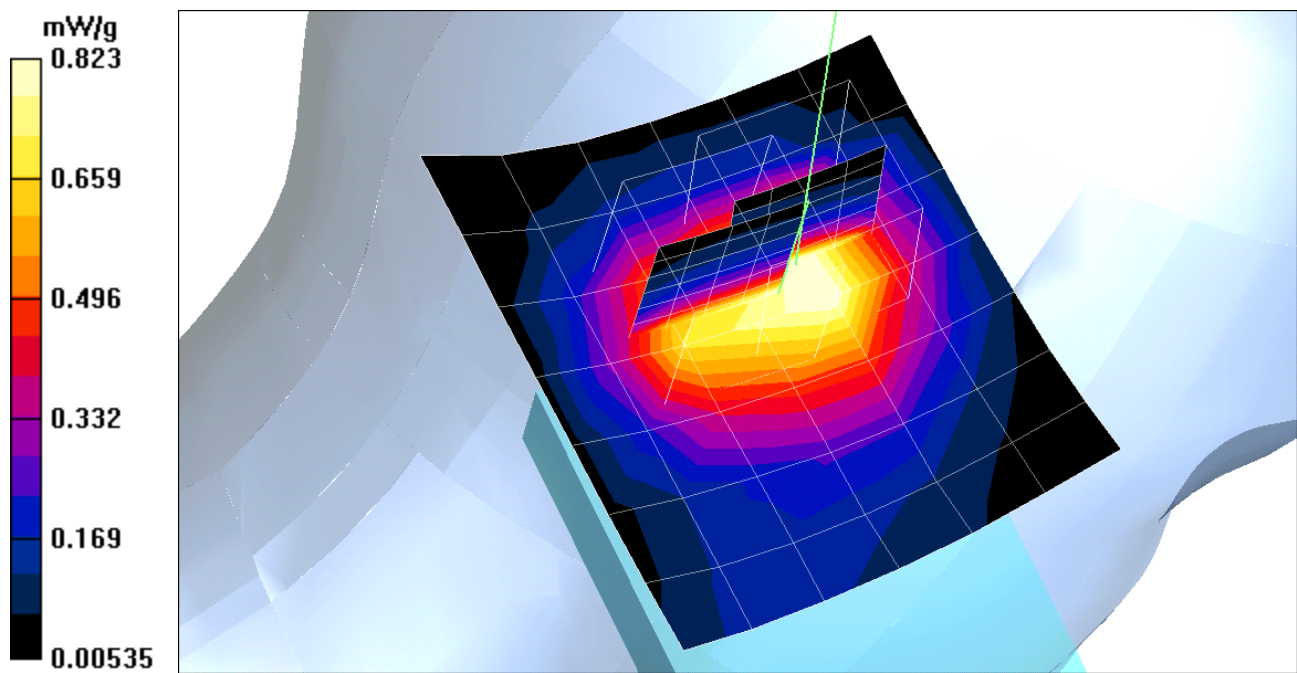
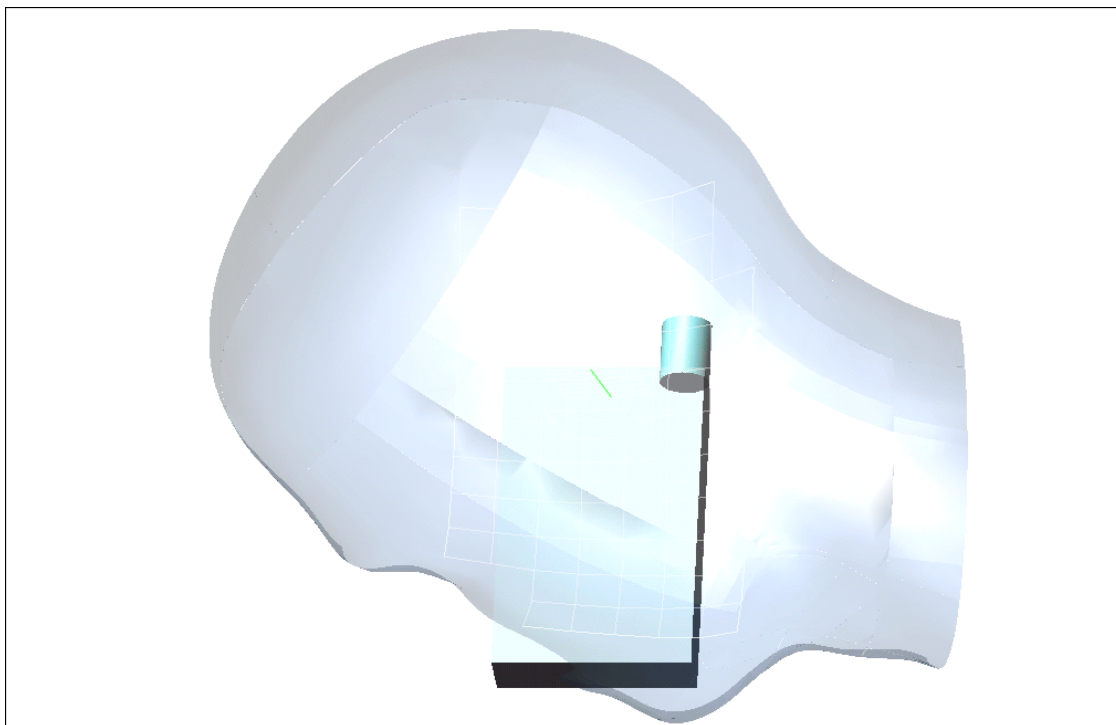




Test Laboratory: Compliance Certification Services Inc..

Right-Head



Test Laboratory: Compliance Certification Services Inc.

gsm1900-right

DUT: Tri Band(850/1800/1900)Pocket PC Cell Phone with GPRS; Type: PPC4100; Serial: 8155B550133520008FM000

Communication System: GSM1900; Frequency: 1850.2 MHz; Duty Cycle: 1:8

Medium: HSL1900 ($\sigma = 1.44$ mho/m, $\epsilon_r = 39.7$, $\rho = 1000$ kg/m³)

Air Temperature 25.3 deg C ; Liquid Temperature 24.2 deg C

Phantom section: Right Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1762; ConvF(5.4, 5.4, 5.4); Calibrated: 3/31/2003
- Sensor-Surface: 4mm (Mechanical Surface Detection)
Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE3 Sn558; Calibrated: 3/7/2003
- Phantom: SAM 34; Type: SAM V4.0; Serial: TP-1150
- Measurement SW: DASY4, V4.1 Build 47; Postprocessing SW: SEMCAD, V1.8 Build 62

Cheek 512/Area Scan (8x12x1): Measurement grid: dx=15mm, dy=15mm

Reference Value = 26.5 V/m

Power Drift = -0.4 dB

Maximum value of SAR = 0.828 mW/g

Cheek 512/Z Scan (1x1x21): Measurement grid: dx=20mm, dy=20mm, dz=5mm

Reference Value = 26.5 V/m

Power Drift = -0.4 dB

Maximum value of SAR = 0.744 mW/g

Cheek 512/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm

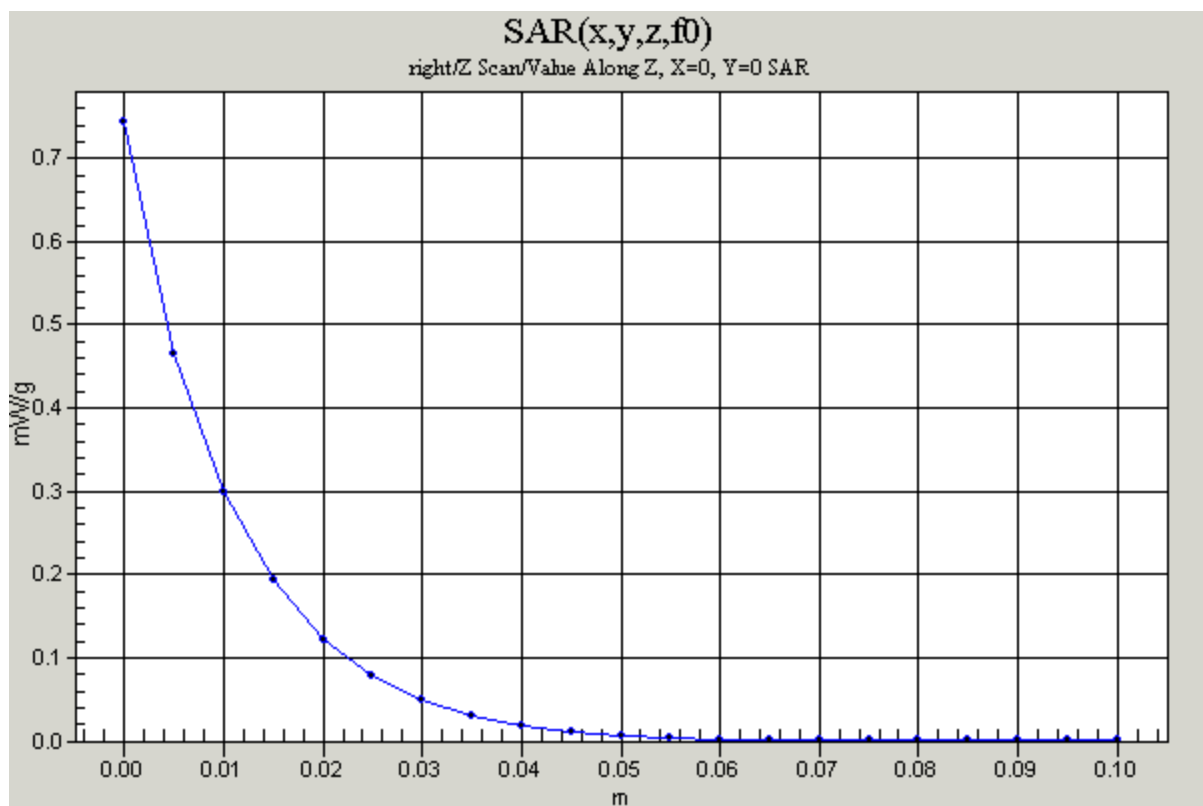
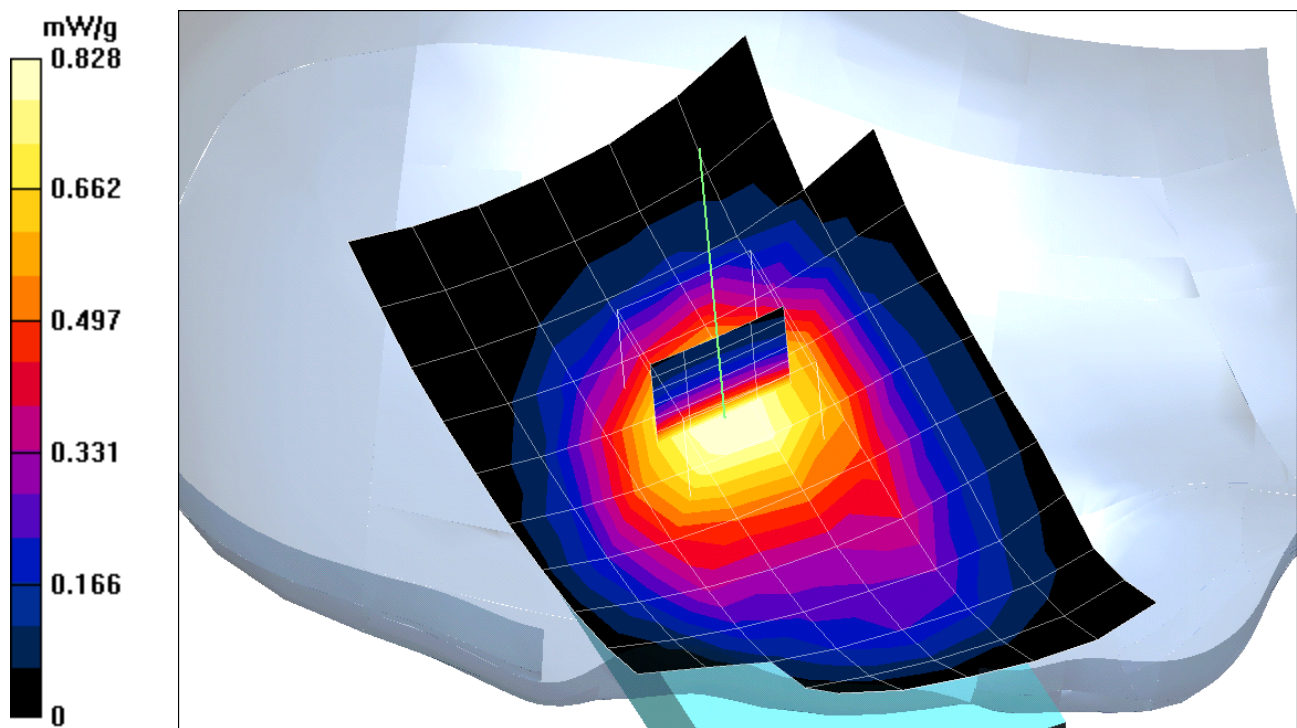
Peak SAR (extrapolated) = 1.27 W/kg

SAR(1 g) = 0.809 mW/g; SAR(10 g) = 0.518 mW/g

Reference Value = 26.5 V/m

Power Drift = -0.4 dB

Maximum value of SAR = 0.860 mW/g



Test Laboratory: Compliance Certification Services Inc.

gsm1900-right

DUT: Tri Band(850/1800/1900)Pocket PC Cell Phone with GPRS; Type: PPC4100; Serial: 8155B550133520008FM000

Communication System: GSM1900; Frequency: 1880 MHz; Duty Cycle: 1:8

Medium: HSL1900 ($\sigma = 1.44$ mho/m, $\epsilon_r = 39.7$, $\rho = 1000$ kg/m³)

Air Temperature 25.3 deg C ; Liquid Temperature 24.2 deg C

Phantom section: Right Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1762; ConvF(5.4, 5.4, 5.4); Calibrated: 3/31/2003
- Sensor-Surface: 4mm (Mechanical Surface Detection)
Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE3 Sn558; Calibrated: 3/7/2003
- Phantom: SAM 34; Type: SAM V4.0; Serial: TP-1150
- Measurement SW: DASY4, V4.1 Build 47; Postprocessing SW: SEMCAD, V1.8 Build 62

Cheek 661/Area Scan (7x8x1): Measurement grid: dx=15mm, dy=15mm

Reference Value = 24.3 V/m

Power Drift = -0.006 dB

Maximum value of SAR = 0.766 mW/g

Cheek 661/Z Scan (1x1x21): Measurement grid: dx=20mm, dy=20mm, dz=5mm

Reference Value = 24.3 V/m

Power Drift = -0.0 dB

Maximum value of SAR = 0.668 mW/g

Cheek 661/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm

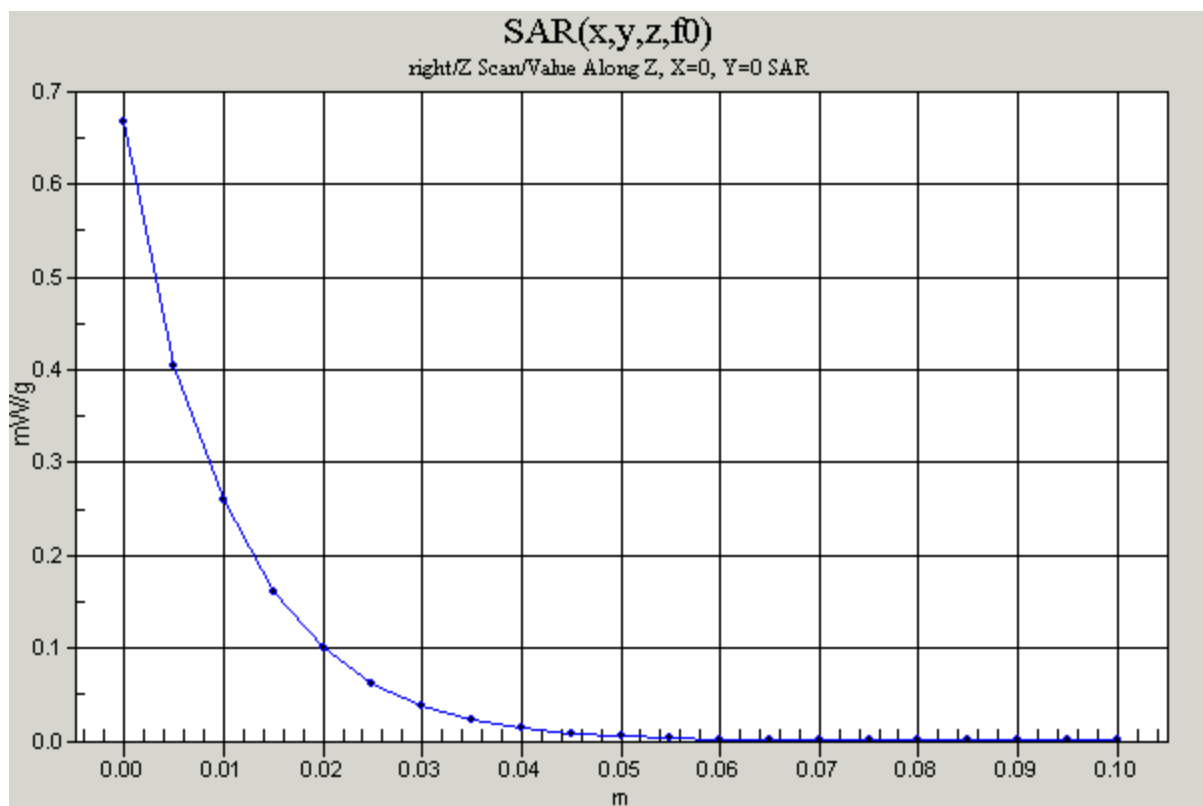
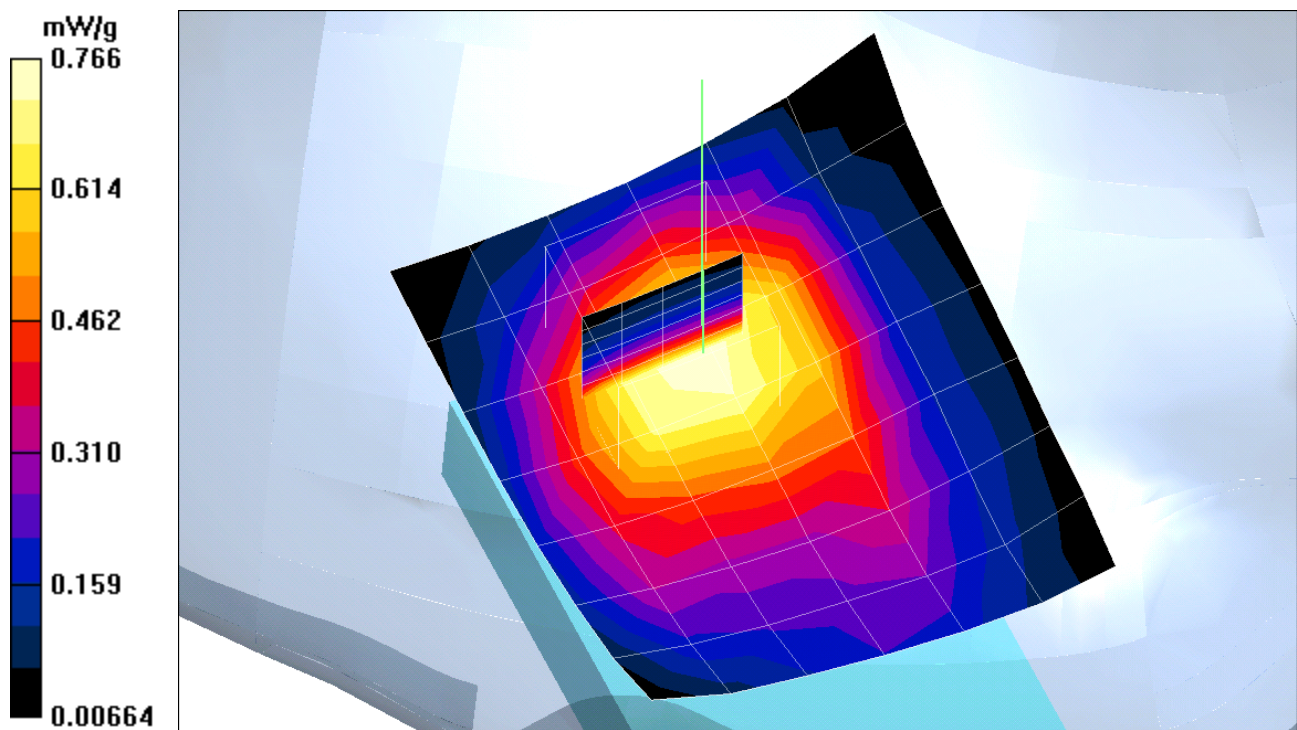
Peak SAR (extrapolated) = 1.13 W/kg

SAR(1 g) = 0.725 mW/g; SAR(10 g) = 0.468 mW/g

Reference Value = 24.3 V/m

Power Drift = -0.006 dB

Maximum value of SAR = 0.774 mW/g



Test Laboratory: Compliance Certification Services Inc.

gsm1900-right

DUT: Tri Band(850/1800/1900)Pocket PC Cell Phone with GPRS; Type: PPC4100; Serial: 8155B550133520008FM000

Communication System: GSM1900; Frequency: 1909.8 MHz; Duty Cycle: 1:8

Medium: HSL1900 ($\sigma = 1.44$ mho/m, $\epsilon_r = 39.7$, $\rho = 1000$ kg/m³)

Air Temperature 25.3 deg C ; Liquid Temperature 24.2 deg C

Phantom section: Right Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1762; ConvF(5.4, 5.4, 5.4); Calibrated: 3/31/2003
- Sensor-Surface: 4mm (Mechanical Surface Detection)
Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE3 Sn558; Calibrated: 3/7/2003
- Phantom: SAM 34; Type: SAM V4.0; Serial: TP-1150
- Measurement SW: DASY4, V4.1 Build 47; Postprocessing SW: SEMCAD, V1.8 Build 62

Cheek 810/Area Scan (7x8x1): Measurement grid: dx=15mm, dy=15mm

Reference Value = 23.6 V/m

Power Drift = -0.1 dB

Maximum value of SAR = 0.711 mW/g

Cheek 810/Z Scan (1x1x21): Measurement grid: dx=20mm, dy=20mm, dz=5mm

Reference Value = 23.6 V/m

Power Drift = -0.0 dB

Maximum value of SAR = 0.616 mW/g

Cheek 810/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm

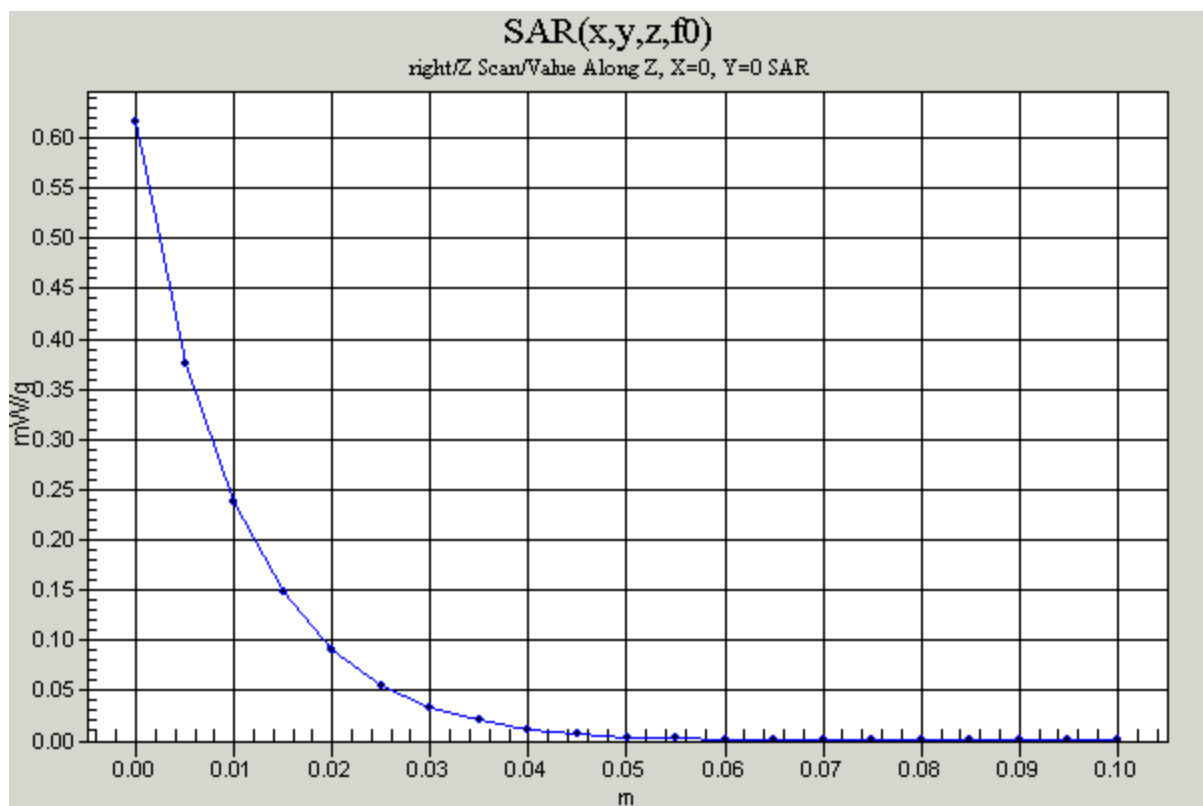
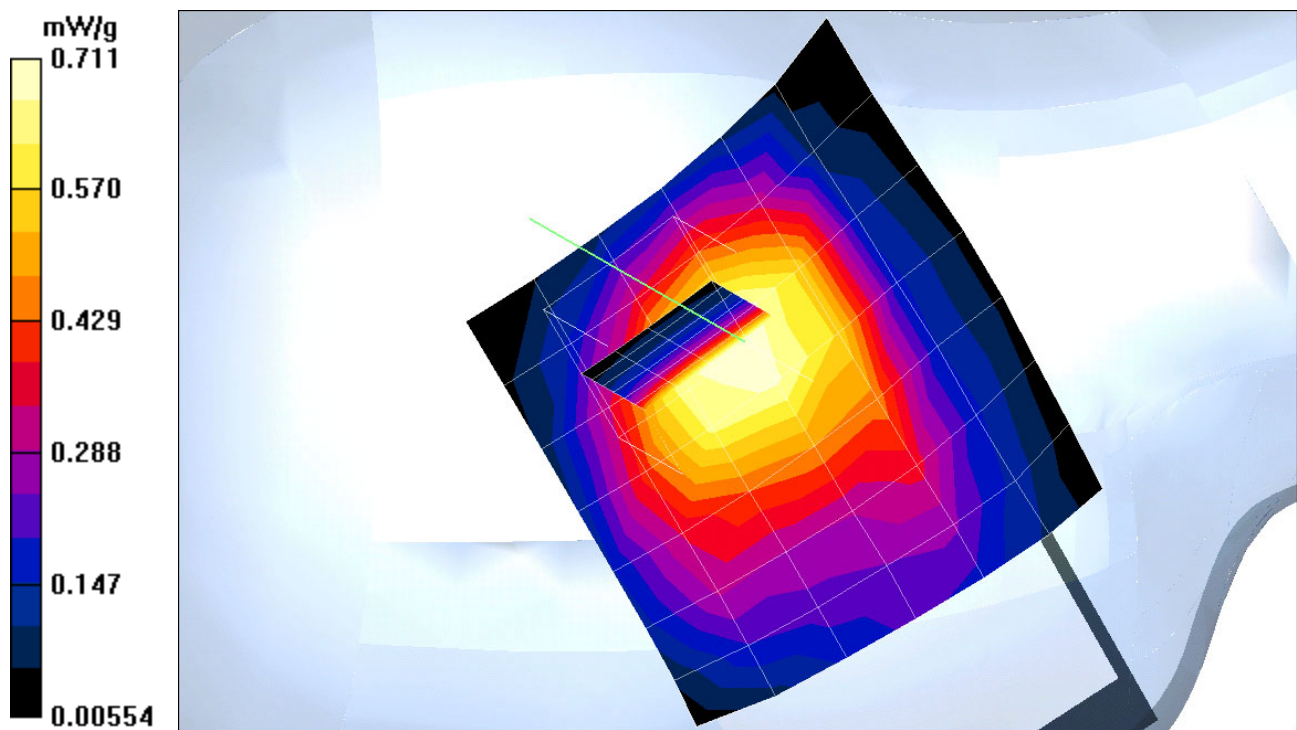
Peak SAR (extrapolated) = 1.06 W/kg

SAR(1 g) = 0.677 mW/g; SAR(10 g) = 0.439 mW/g

Reference Value = 23.6 V/m

Power Drift = -0.1 dB

Maximum value of SAR = 0.716 mW/g



Test Laboratory: Compliance Certification Services Inc.

gsm1900-right

DUT: Tri Band(850/1800/1900)Pocket PC Cell Phone with GPRS; Type: PPC4100; Serial: 8155B550133520008FM000

Communication System: GSM1900; Frequency: 1850.2 MHz;Duty Cycle: 1:8

Medium: HSL1900 ($\sigma = 1.44$ mho/m, $\epsilon_r = 39.7$, $\rho = 1000$ kg/m³)

Air Temperature 25.3 deg C ;Liquid Temperature 24.2 deg C

Phantom section: Right Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1762; ConvF(5.4, 5.4, 5.4); Calibrated: 3/31/2003
- Sensor-Surface: 4mm (Mechanical Surface Detection)
Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE3 Sn558; Calibrated: 3/7/2003
- Phantom: SAM 34; Type: SAM V4.0; Serial: TP-1150
- Measurement SW: DASY4, V4.1 Build 47; Postprocessing SW: SEMCAD, V1.8 Build 62

tilte 512/Area Scan (7x12x1): Measurement grid: dx=15mm, dy=15mm

Reference Value = 28.8 V/m

Power Drift = 0.0003 dB

Maximum value of SAR = 1.07 mW/g

tilte 512/Z Scan (1x1x21): Measurement grid: dx=20mm, dy=20mm, dz=5mm

Reference Value = 28.8 V/m

Power Drift = -0.0 dB

Maximum value of SAR = 0.918 mW/g

tilte 512/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm

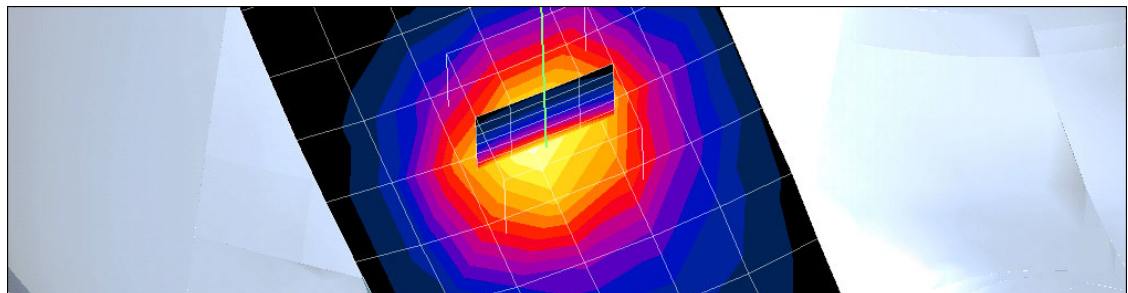
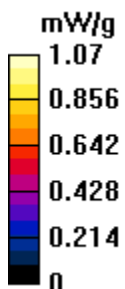
Peak SAR (extrapolated) = 1.55 W/kg

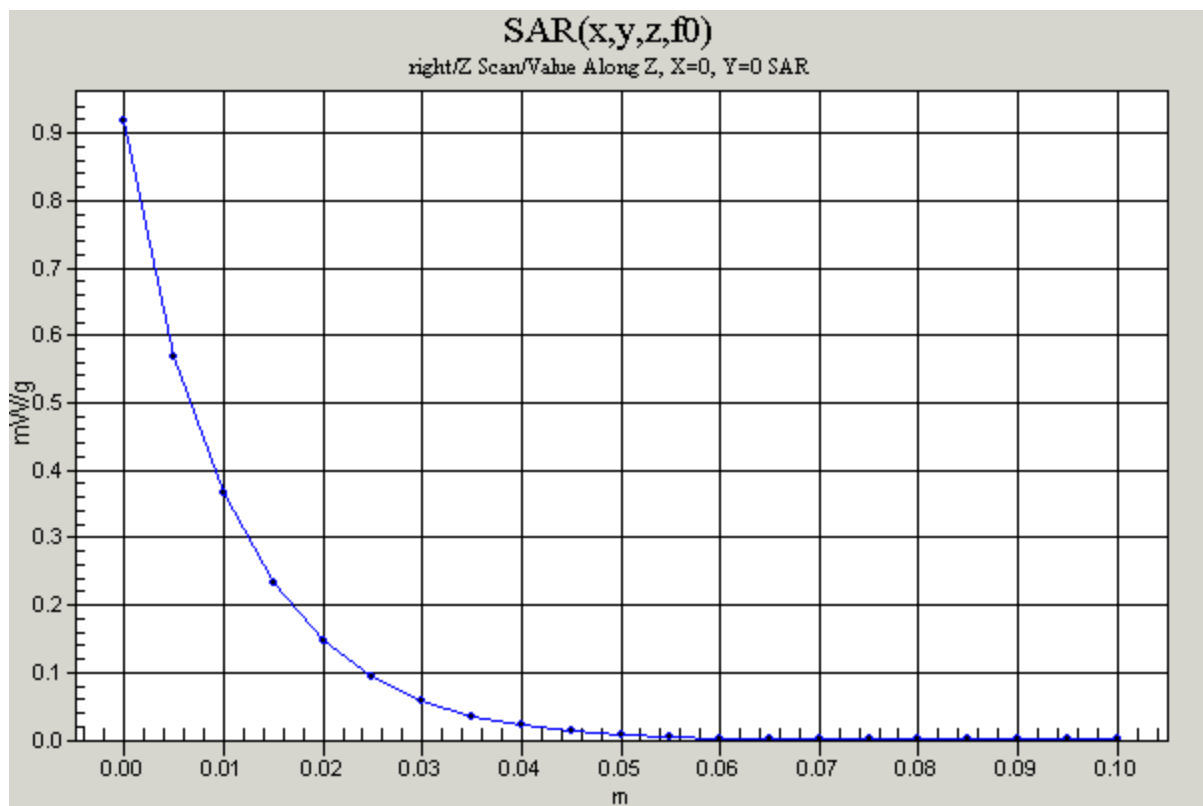
SAR(1 g) = 0.992 mW/g; SAR(10 g) = 0.606 mW/g

Reference Value = 28.8 V/m

Power Drift = 0.0003 dB

Maximum value of SAR = 1.05 mW/g





Test Laboratory: Compliance Certification Services Inc.

gsm1900-right

DUT: Tri Band(850/1800/1900)Pocket PC Cell Phone with GPRS; Type: PPC4100; Serial: 8155B550133520008FM000

Communication System: GSM1900; Frequency: 1880 MHz; Duty Cycle: 1:8

Medium: HSL1900 ($\sigma = 1.44$ mho/m, $\epsilon_r = 39.7$, $\rho = 1000$ kg/m³)

Air Temperature 25.3 deg C ; Liquid Temperature 24.2 deg C

Phantom section: Right Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1762; ConvF(5.4, 5.4, 5.4); Calibrated: 3/31/2003
- Sensor-Surface: 4mm (Mechanical And Optical Surface Detection)
Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE3 Sn558; Calibrated: 3/7/2003
- Phantom: SAM 34; Type: SAM V4.0; Serial: TP-1150
- Measurement SW: DASY4, V4.1 Build 47; Postprocessing SW: SEMCAD, V1.8 Build 62

tilte 661/Area Scan (7x8x1): Measurement grid: dx=15mm, dy=15mm

Reference Value = 27.3 V/m

Power Drift = -0.1 dB

Maximum value of SAR = 0.891 mW/g

tilte 661/Z Scan (1x1x21): Measurement grid: dx=20mm, dy=20mm, dz=5mm

Reference Value = 27.3 V/m

Power Drift = 0.003 dB

Maximum value of SAR = 0.488 mW/g

tilte 661/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm

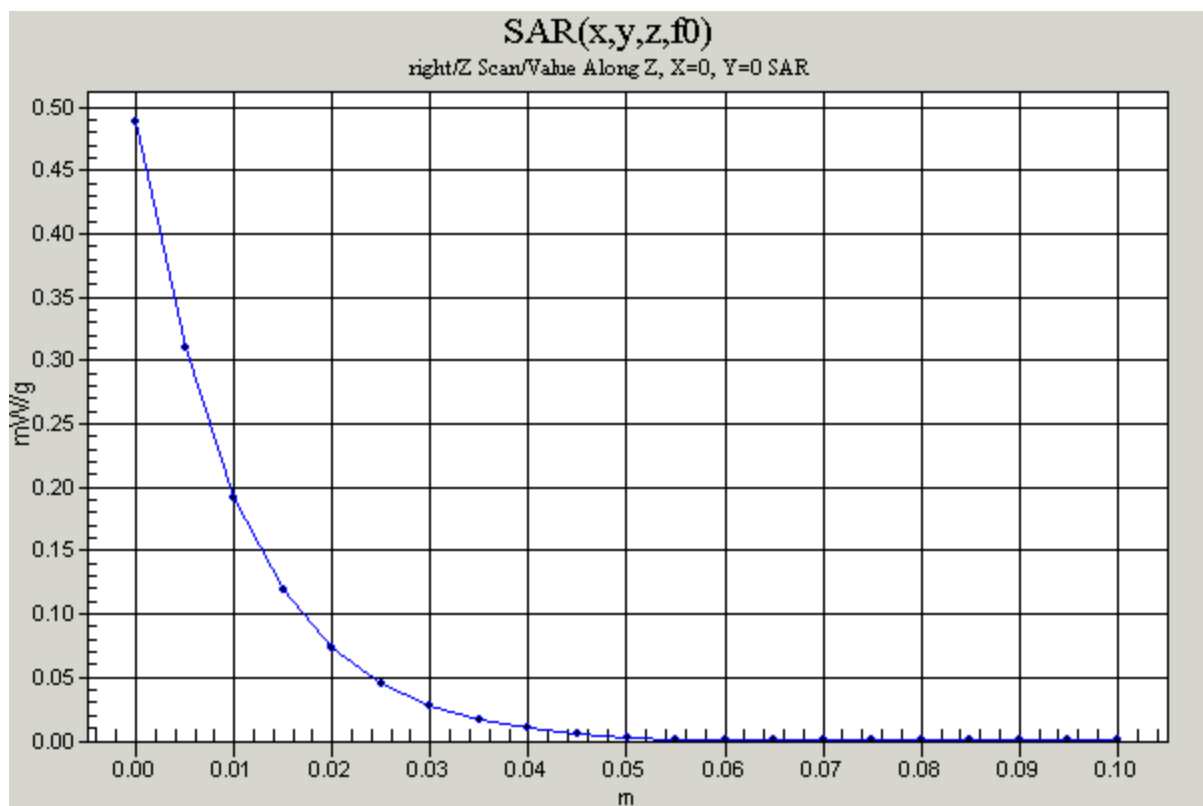
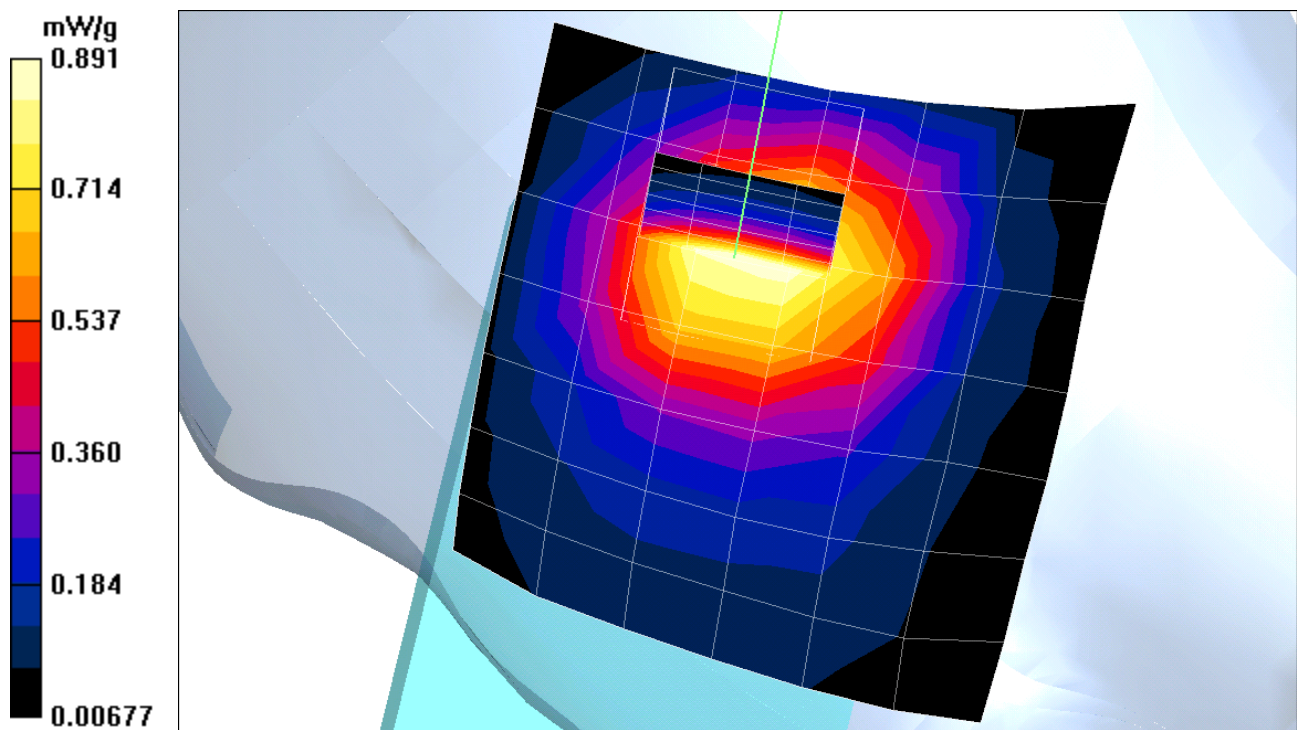
Peak SAR (extrapolated) = 1.37 W/kg

SAR(1 g) = 0.875 mW/g; SAR(10 g) = 0.538 mW/g

Reference Value = 27.3 V/m

Power Drift = -0.1 dB

Maximum value of SAR = 0.950 mW/g



Test Laboratory: Compliance Certification Services Inc.

gsm1900-right

DUT: Tri Band(850/1800/1900)Pocket PC Cell Phone with GPRS; Type: PPC4100; Serial: 8155B550133520008FM000

Communication System: GSM1900; Frequency: 1909.8 MHz; Duty Cycle: 1:8

Medium: HSL1900 ($\sigma = 1.44$ mho/m, $\epsilon_r = 39.7$, $\rho = 1000$ kg/m³)

Air Temperature 25.3 deg C ; Liquid Temperature 24.2 deg C

Phantom section: Right Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1762; ConvF(5.4, 5.4, 5.4); Calibrated: 3/31/2003
- Sensor-Surface: 4mm (Mechanical And Optical Surface Detection)
Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE3 Sn558; Calibrated: 3/7/2003
- Phantom: SAM 34; Type: SAM V4.0; Serial: TP-1150
- Measurement SW: DASY4, V4.1 Build 47; Postprocessing SW: SEMCAD, V1.8 Build 62

tilte 810/Area Scan (7x8x1): Measurement grid: dx=15mm, dy=15mm

Reference Value = 26.3 V/m

Power Drift = 0.0 dB

Maximum value of SAR = 0.842 mW/g

tilte 810/Z Scan (1x1x21): Measurement grid: dx=20mm, dy=20mm, dz=5mm

Reference Value = 26.3 V/m

Power Drift = 0.0 dB

Maximum value of SAR = 0.744 mW/g

tilte 810/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm

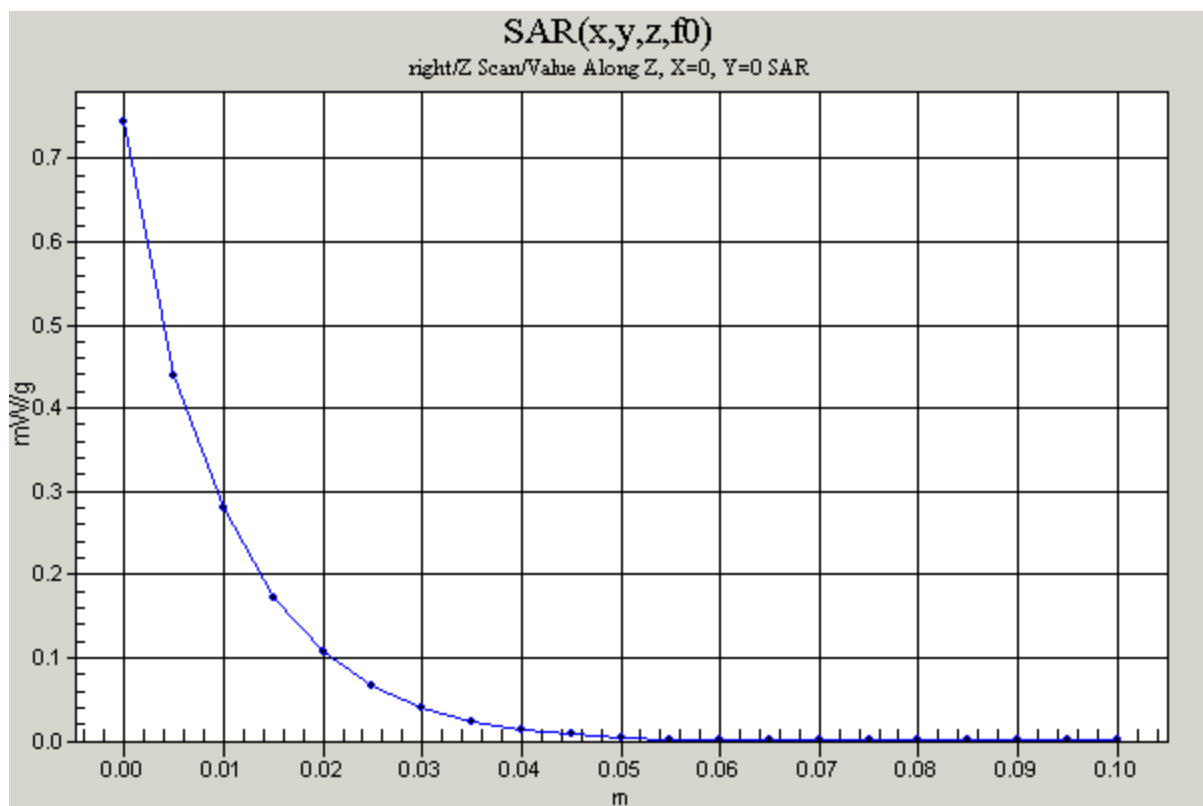
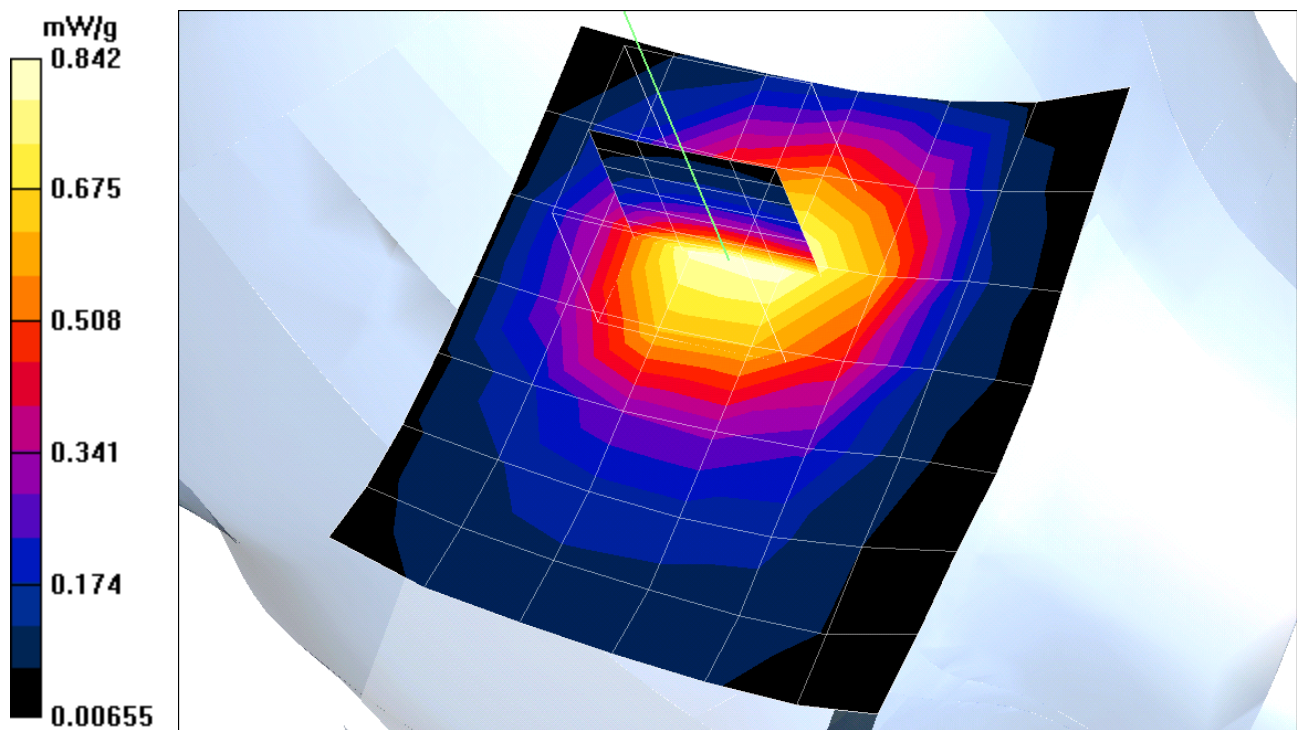
Peak SAR (extrapolated) = 1.31 W/kg

SAR(1 g) = 0.819 mW/g; SAR(10 g) = 0.501 mW/g

Reference Value = 26.3 V/m

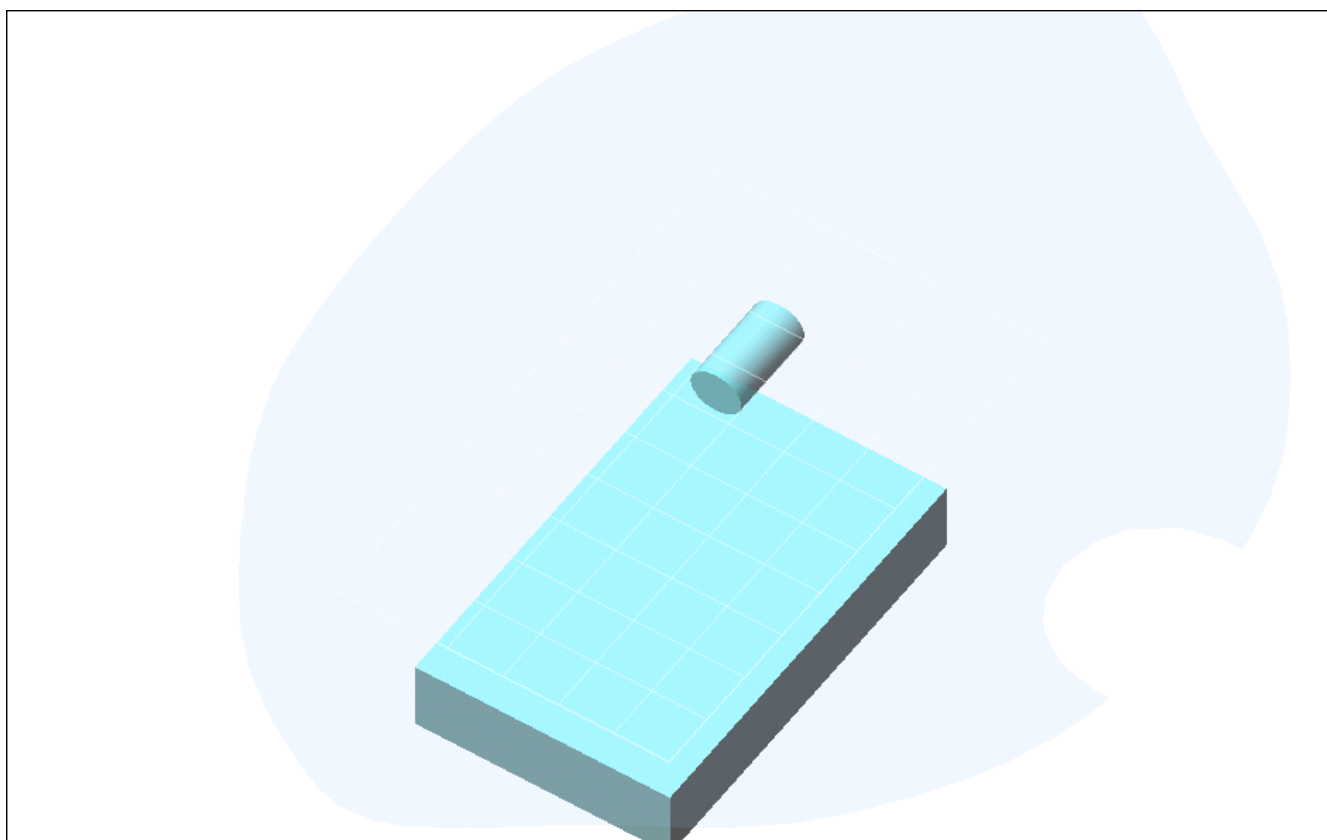
Power Drift = 0.0 dB

Maximum value of SAR = 0.886 mW/g



Test Laboratory: Compliance Certification Services Inc.

Body



Test Laboratory: Compliance Certification Services Inc.

gsm1900-flat

DUT: Tri Band(850/1800/1900)Pocket PC Cell Phone with GPRS; Type: PPC4100; Serial: 8155B550133520008FM000

Communication System: GSM1900; Frequency: 1850.2 MHz; Duty Cycle: 1:8

Medium: HSL1900 ($\sigma = 1.56$ mho/m, $\epsilon_r = 51.43$, $\rho = 1000$ kg/m³)

Air Temperature 23.6 deg C ; Liquid Temperature 22.5 deg C

Phantom section: Flat Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1762; ConvF(5, 5, 5); Calibrated: 3/31/2003
- Sensor-Surface: 4mm (Mechanical Surface Detection)
Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE3 Sn558; Calibrated: 3/7/2003
- Phantom: SAM 34; Type: SAM V4.0; Serial: TP-1150
- Measurement SW: DASY4, V4.1 Build 47; Postprocessing SW: SEMCAD, V1.8 Build 62

gsm low/Area Scan (7x11x1): Measurement grid: dx=15mm, dy=15mm

Reference Value = 12.7 V/m

Power Drift = 0.0 dB

Maximum value of SAR = 0.266 mW/g

gsm low/Z Scan (1x1x21): Measurement grid: dx=20mm, dy=20mm, dz=5mm

Reference Value = 12.7 V/m

Power Drift = 0.006 dB

Maximum value of SAR = 0.261 mW/g

gsm low/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm

Peak SAR (extrapolated) = 0.400 W/kg

SAR(1 g) = 0.261 mW/g; SAR(10 g) = 0.167 mW/g

Reference Value = 12.7 V/m

Power Drift = 0.0 dB

Maximum value of SAR = 0.280 mW/g

gsm low/Zoom Scan (5x5x7)/Cube 1: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm

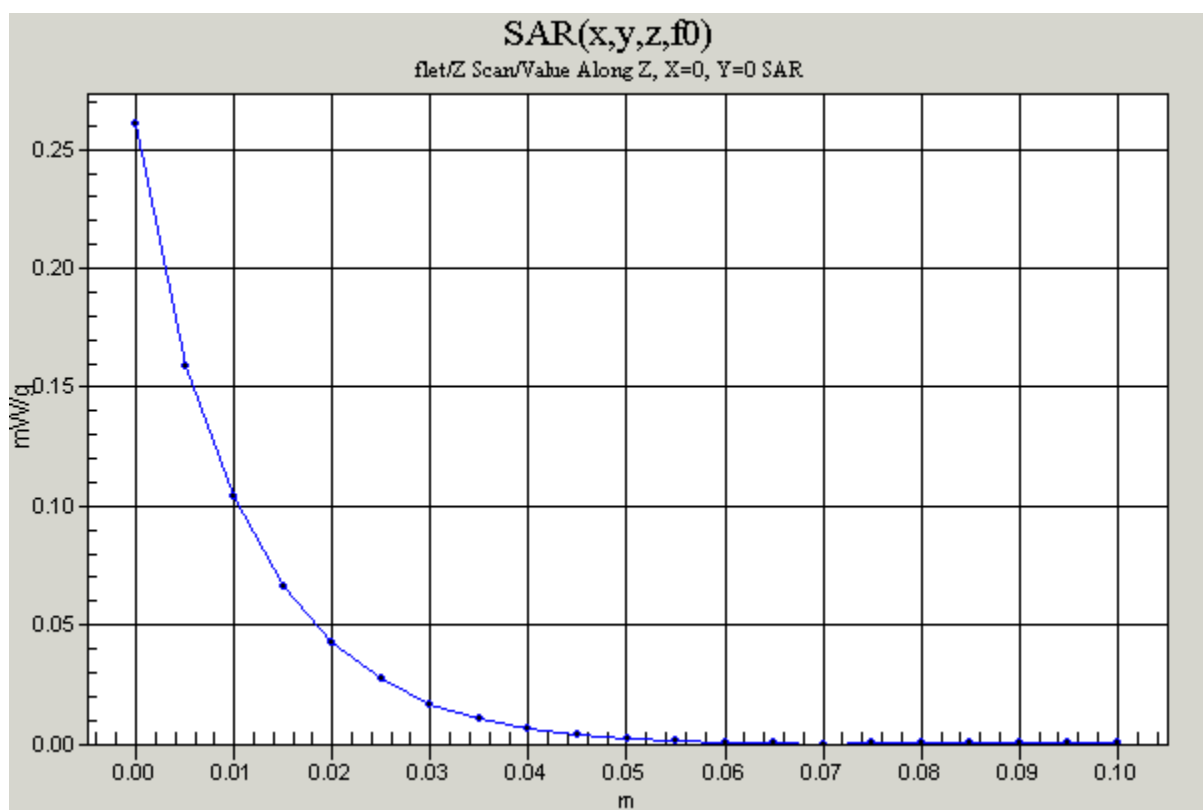
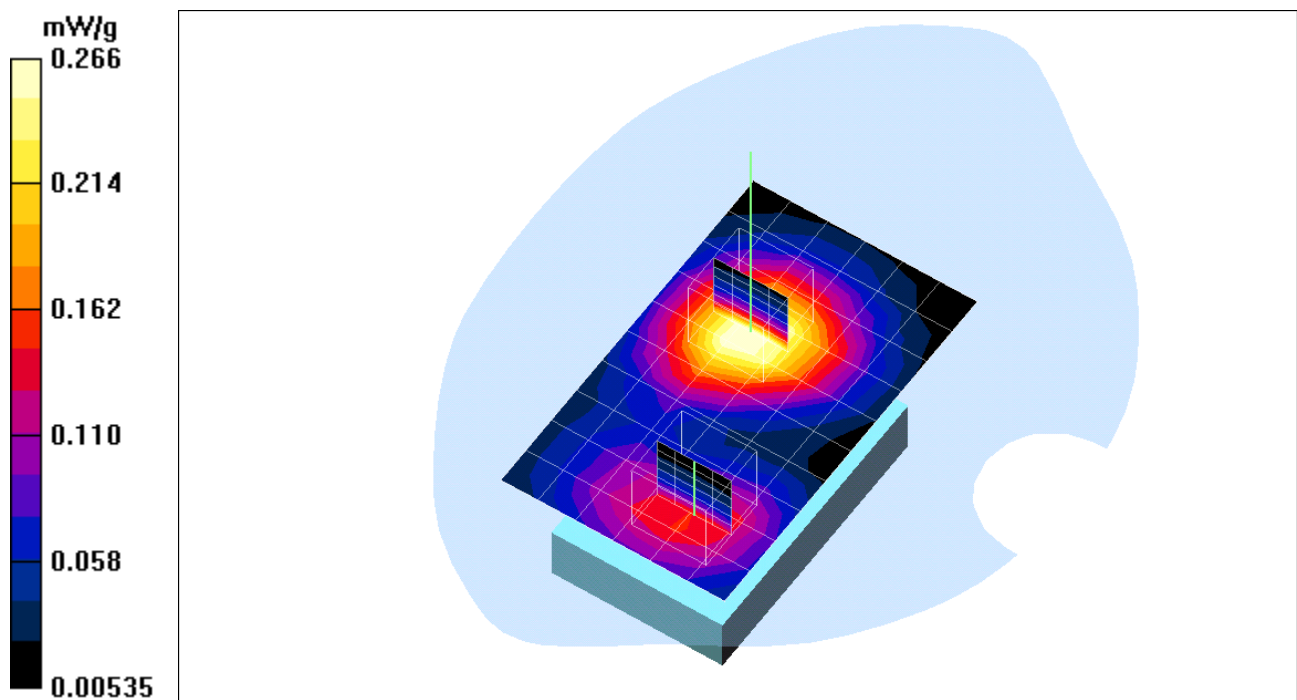
Peak SAR (extrapolated) = 0.217 W/kg

SAR(1 g) = 0.146 mW/g; SAR(10 g) = 0.095 mW/g

Reference Value = 12.7 V/m

Power Drift = 0.0 dB

Maximum value of SAR = 0.157 mW/g



Test Laboratory: Compliance Certification Services Inc.

gsm1900-flat

DUT: Tri Band(850/1800/1900)Pocket PC Cell Phone with GPRS; Type: PPC4100; Serial: 8155B550133520008FM000

Communication System: GSM1900; Frequency: 1880 MHz; Duty Cycle: 1:8

Medium: HSL1900 ($\sigma = 1.56$ mho/m, $\epsilon_r = 51.43$, $\rho = 1000$ kg/m³)

Air Temperature 23.6 deg C ; Liquid Temperature 22.5 deg C

Phantom section: Flat Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1762; ConvF(5, 5, 5); Calibrated: 3/31/2003
- Sensor-Surface: 4mm (Mechanical Surface Detection)
Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE3 Sn558; Calibrated: 3/7/2003
- Phantom: SAM 34; Type: SAM V4.0; Serial: TP-1150
- Measurement SW: DASY4, V4.1 Build 47; Postprocessing SW: SEMCAD, V1.8 Build 62

gsm mid/Area Scan (7x11x1): Measurement grid: dx=15mm, dy=15mm

Reference Value = 12.6 V/m

Power Drift = 0.0 dB

Maximum value of SAR = 0.261 mW/g

gsm mid/Z Scan (1x1x21): Measurement grid: dx=20mm, dy=20mm, dz=5mm

Reference Value = 12.6 V/m

Power Drift = 0.0 dB

Maximum value of SAR = 0.262 mW/g

gsm mid/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm

Peak SAR (extrapolated) = 0.396 W/kg

SAR(1 g) = 0.257 mW/g; SAR(10 g) = 0.164 mW/g

Reference Value = 12.6 V/m

Power Drift = 0.0 dB

Maximum value of SAR = 0.278 mW/g

gsm mid/Zoom Scan (5x5x7)/Cube 1: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm

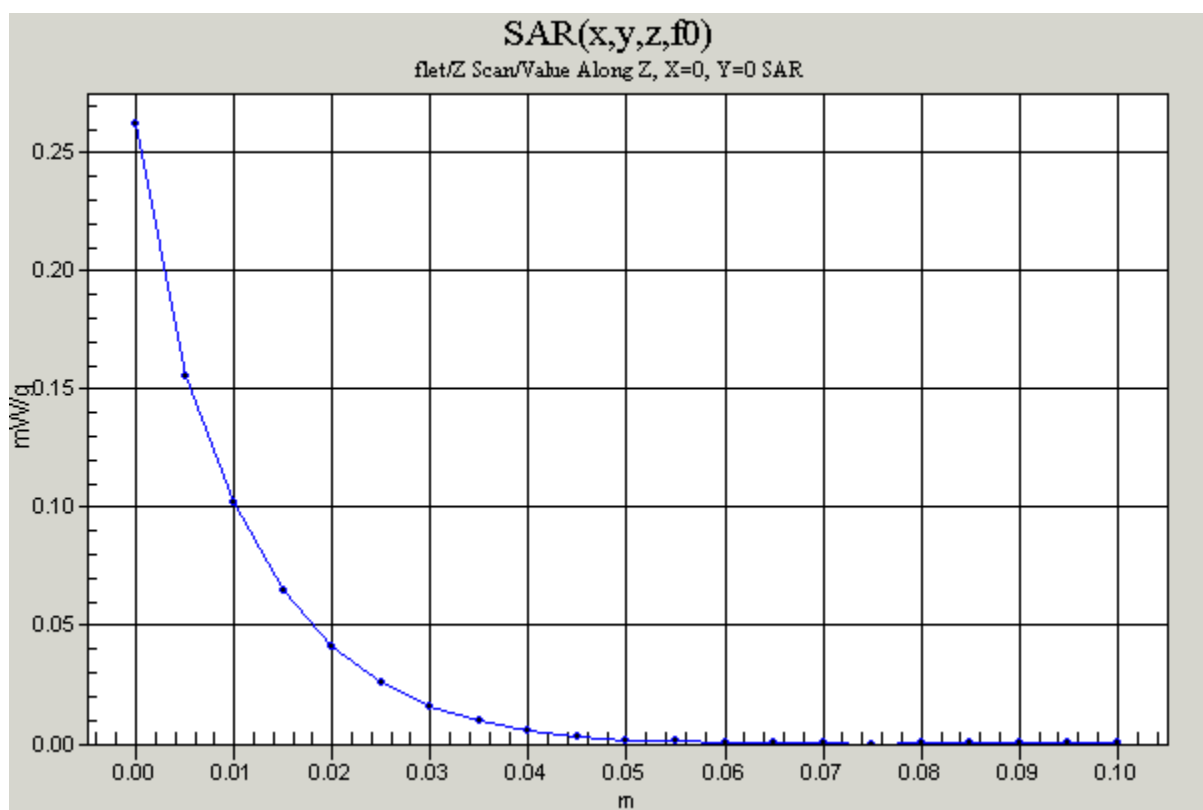
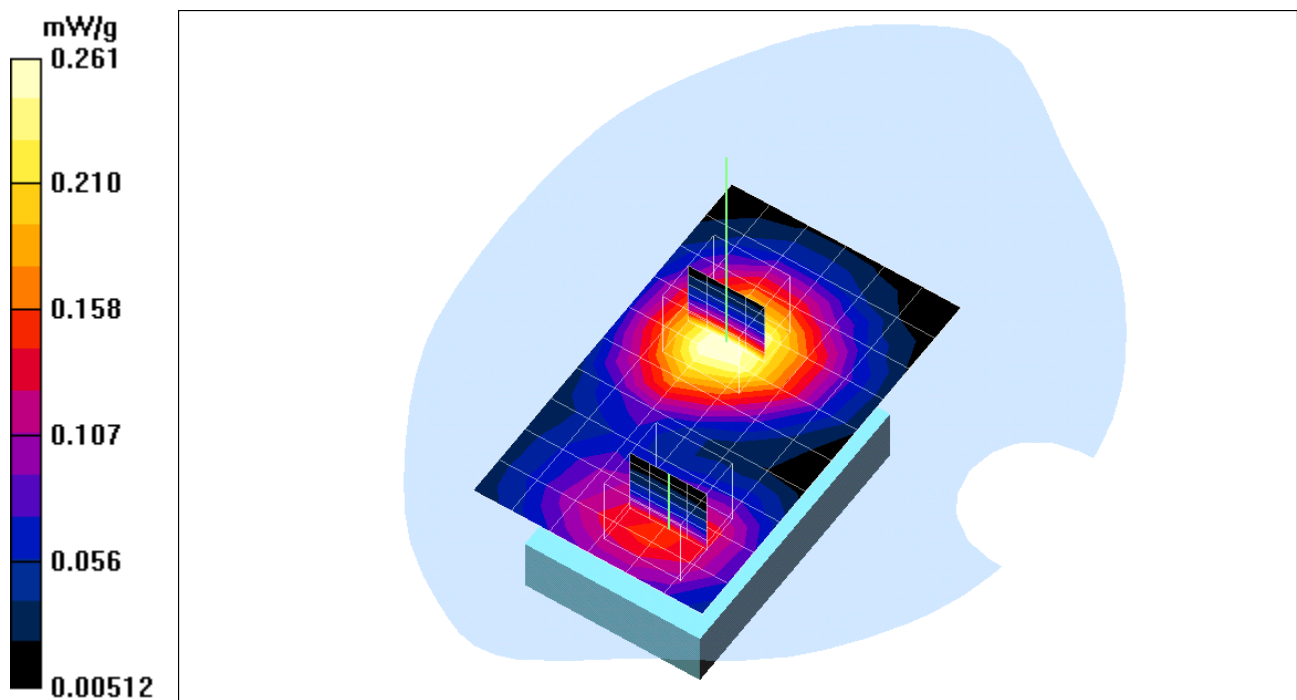
Peak SAR (extrapolated) = 0.220 W/kg

SAR(1 g) = 0.147 mW/g; SAR(10 g) = 0.095 mW/g

Reference Value = 12.6 V/m

Power Drift = 0.0 dB

Maximum value of SAR = 0.157 mW/g



Test Laboratory: Compliance Certification Services Inc.

gsm1900-flat

DUT: Tri Band(850/1800/1900)Pocket PC Cell Phone with GPRS; Type: PPC4100; Serial: 8155B550133520008FM000

Communication System: GSM1900; Frequency: 1909.8 MHz; Duty Cycle: 1:8

Medium: HSL1900 ($\sigma = 1.56$ mho/m, $\epsilon_r = 51.43$, $\rho = 1000$ kg/m³)

Air Temperature 23.6 deg C ; Liquid Temperature 22.5 deg C

Phantom section: Flat Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1762; ConvF(5, 5, 5); Calibrated: 3/31/2003
- Sensor-Surface: 4mm (Mechanical Surface Detection)
Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE3 Sn558; Calibrated: 3/7/2003
- Phantom: SAM 34; Type: SAM V4.0; Serial: TP-1150
- Measurement SW: DASY4, V4.1 Build 47; Postprocessing SW: SEMCAD, V1.8 Build 62

gsm high/Area Scan (7x11x1): Measurement grid: dx=15mm, dy=15mm

Reference Value = 11.9 V/m

Power Drift = 0.1 dB

Maximum value of SAR = 0.238 mW/g

gsm high/Z Scan (1x1x21): Measurement grid: dx=20mm, dy=20mm, dz=5mm

Reference Value = 11.9 V/m

Power Drift = 0.1 dB

Maximum value of SAR = 0.236 mW/g

gsm high/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm

Peak SAR (extrapolated) = 0.371 W/kg

SAR(1 g) = 0.235 mW/g; SAR(10 g) = 0.149 mW/g

Reference Value = 11.9 V/m

Power Drift = 0.1 dB

Maximum value of SAR = 0.254 mW/g

gsm high/Zoom Scan (5x5x7)/Cube 1: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm

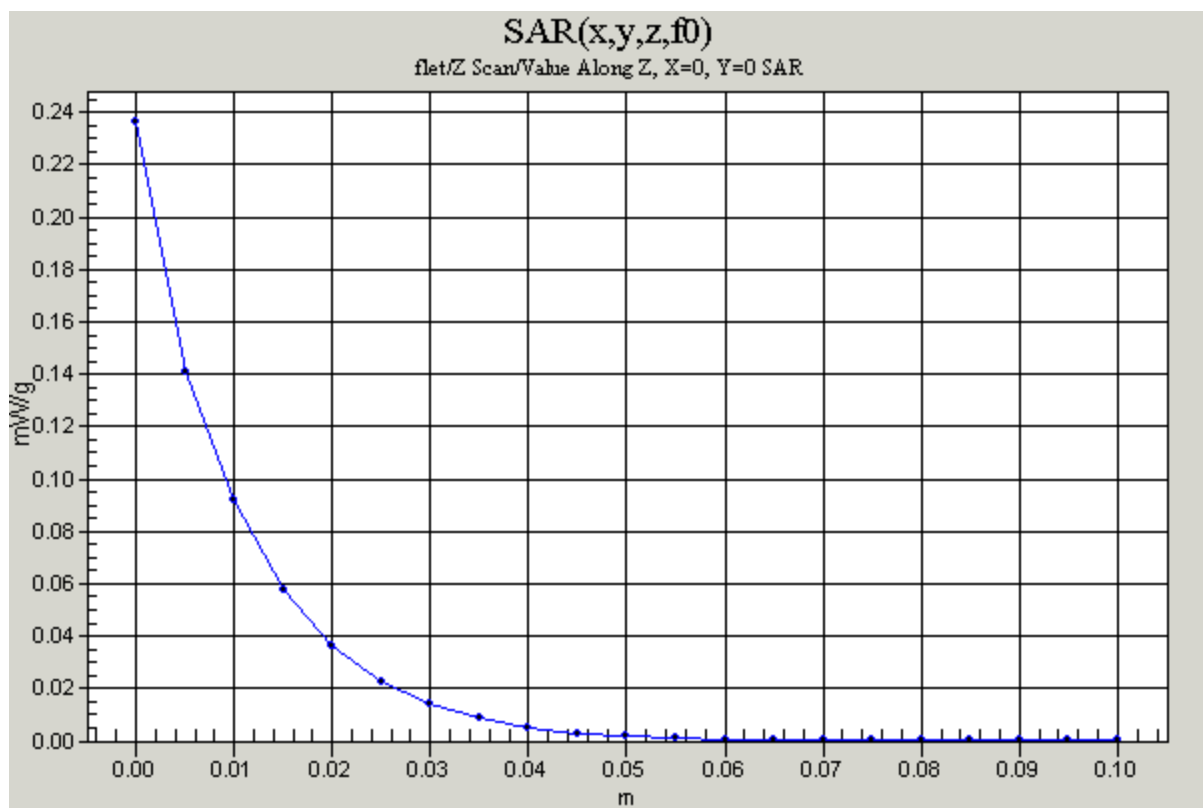
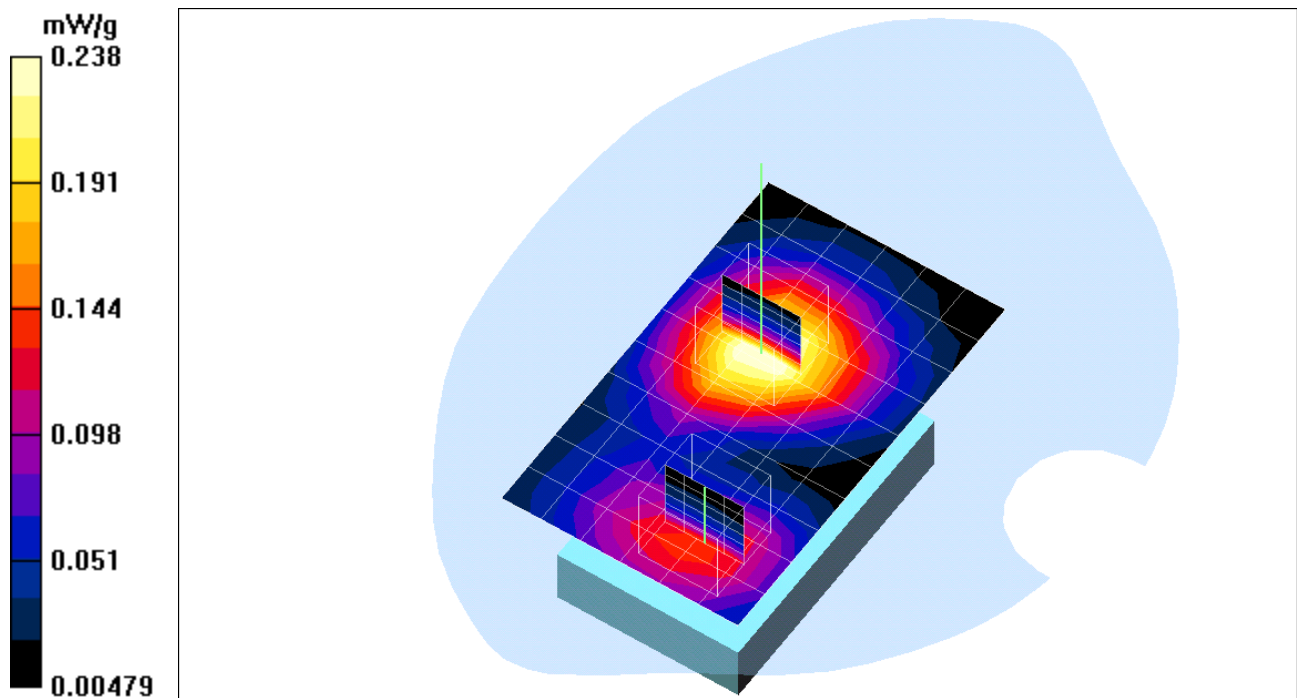
Peak SAR (extrapolated) = 0.208 W/kg

SAR(1 g) = 0.135 mW/g; SAR(10 g) = 0.086 mW/g

Reference Value = 11.9 V/m

Power Drift = 0.1 dB

Maximum value of SAR = 0.145 mW/g



Test Laboratory: Compliance Certification Services Inc.

gprs1900-flat

DUT: Tri Band(850/1800/1900)Pocket PC Cell Phone with GPRS; Type: PPC4100; Serial: 8155B550133520008FM000

Communication System: GPRS1900; Frequency: 1850.2 MHz; Duty Cycle: 1:4

Medium: HSL1900 ($\sigma = 1.56$ mho/m, $\epsilon_r = 51.43$, $\rho = 1000$ kg/m³)

Air Temperature 23.6 deg C ; Liquid Temperature 22.5 deg C

Phantom section: Flat Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1762; ConvF(5, 5, 5); Calibrated: 3/31/2003
- Sensor-Surface: 4mm (Mechanical Surface Detection)
Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE3 Sn558; Calibrated: 3/7/2003
- Phantom: SAM 34; Type: SAM V4.0; Serial: TP-1150
- Measurement SW: DASY4, V4.1 Build 47; Postprocessing SW: SEMCAD, V1.8 Build 62

gsm low/Area Scan (7x11x1): Measurement grid: dx=15mm, dy=15mm

Reference Value = 17.7 V/m

Power Drift = -0.0 dB

Maximum value of SAR = 0.508 mW/g

gsm low/Z Scan (1x1x21): Measurement grid: dx=20mm, dy=20mm, dz=5mm

Reference Value = 17.7 V/m

Power Drift = -0.1 dB

Maximum value of SAR = 0.506 mW/g

gsm low/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm

Peak SAR (extrapolated) = 0.756 W/kg

SAR(1 g) = 0.500 mW/g; SAR(10 g) = 0.321 mW/g

Reference Value = 17.7 V/m

Power Drift = -0.0 dB

Maximum value of SAR = 0.537 mW/g

gsm low/Zoom Scan (5x5x7)/Cube 1: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm

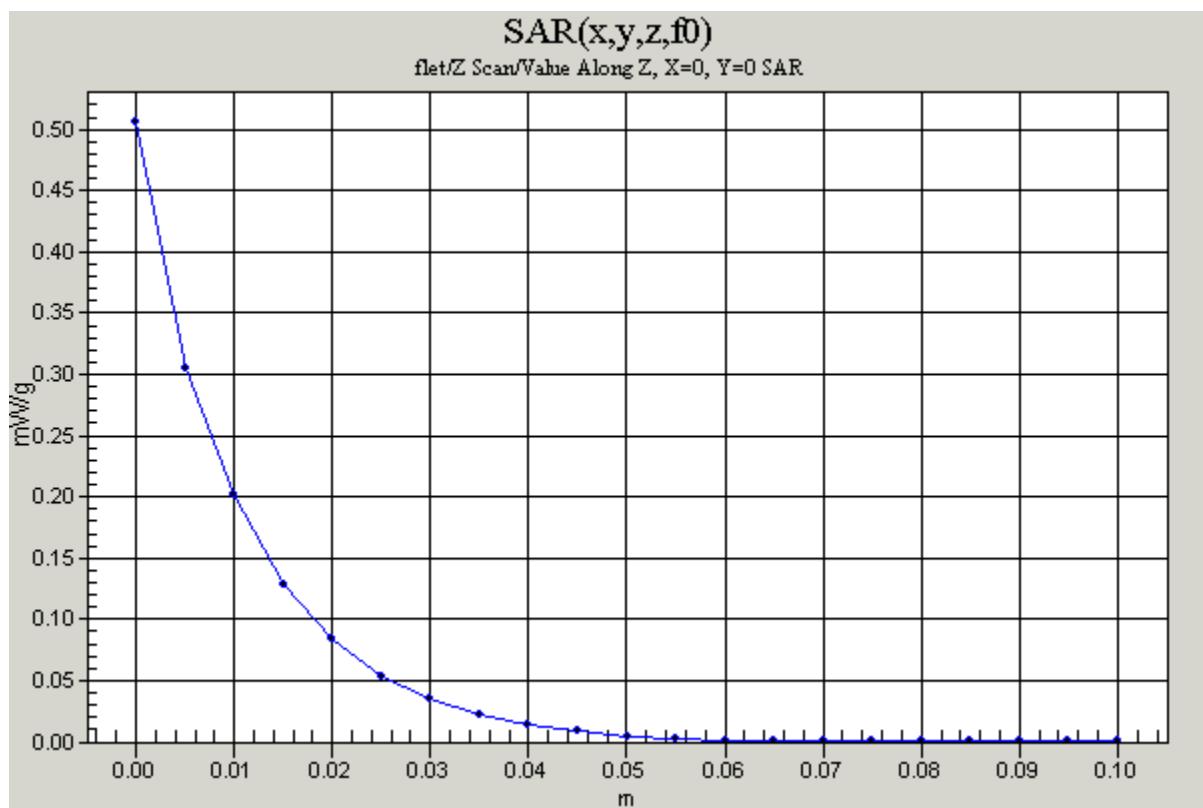
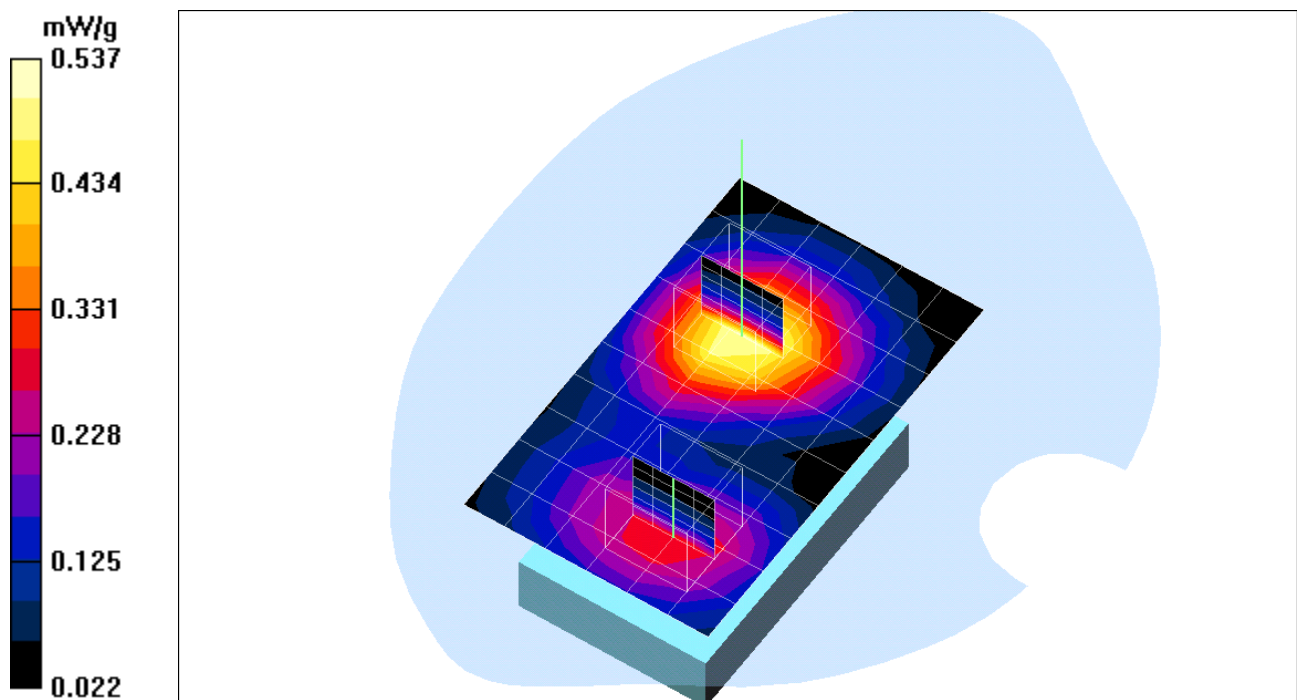
Peak SAR (extrapolated) = 0.501 W/kg

SAR(1 g) = 0.294 mW/g; SAR(10 g) = 0.191 mW/g

Reference Value = 17.7 V/m

Power Drift = -0.0 dB

Maximum value of SAR = 0.313 mW/g



Test Laboratory: Compliance Certification Services Inc.

gprs1900-flat

DUT: Tri Band(850/1800/1900)Pocket PC Cell Phone with GPRS; Type: PPC4100; Serial: 8155B550133520008FM000

Communication System: GPRS1900; Frequency: 1880 MHz; Duty Cycle: 1:4

Medium: HSL1900 ($\sigma = 1.56$ mho/m, $\epsilon_r = 51.43$, $\rho = 1000$ kg/m³)

Air Temperature 23.6 deg C ; Liquid Temperature 22.5 deg C

Phantom section: Flat Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1762; ConvF(5, 5, 5); Calibrated: 3/31/2003
- Sensor-Surface: 4mm (Mechanical Surface Detection)
Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE3 Sn558; Calibrated: 3/7/2003
- Phantom: SAM 34; Type: SAM V4.0; Serial: TP-1150
- Measurement SW: DASY4, V4.1 Build 47; Postprocessing SW: SEMCAD, V1.8 Build 62

gsm mid/Area Scan (7x11x1): Measurement grid: dx=15mm, dy=15mm

Reference Value = 17.3 V/m

Power Drift = -0.0 dB

Maximum value of SAR = 0.489 mW/g

gsm mid/Z Scan (1x1x21): Measurement grid: dx=20mm, dy=20mm, dz=5mm

Reference Value = 17.3 V/m

Power Drift = -0.0 dB

Maximum value of SAR = 0.485 mW/g

gsm mid/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm

Peak SAR (extrapolated) = 0.844 W/kg

SAR(1 g) = 0.486 mW/g; SAR(10 g) = 0.308 mW/g

Reference Value = 17.3 V/m

Power Drift = -0.0 dB

Maximum value of SAR = 0.520 mW/g

gsm mid/Zoom Scan (5x5x7)/Cube 1: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm

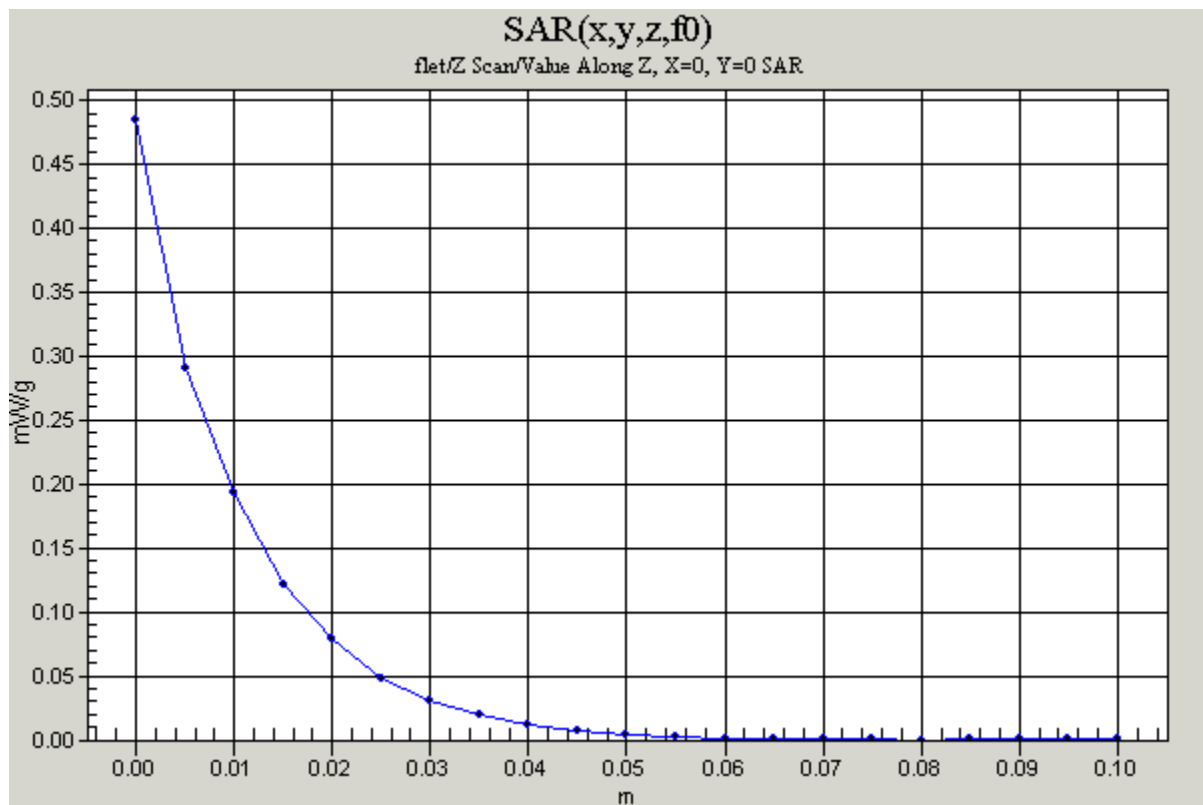
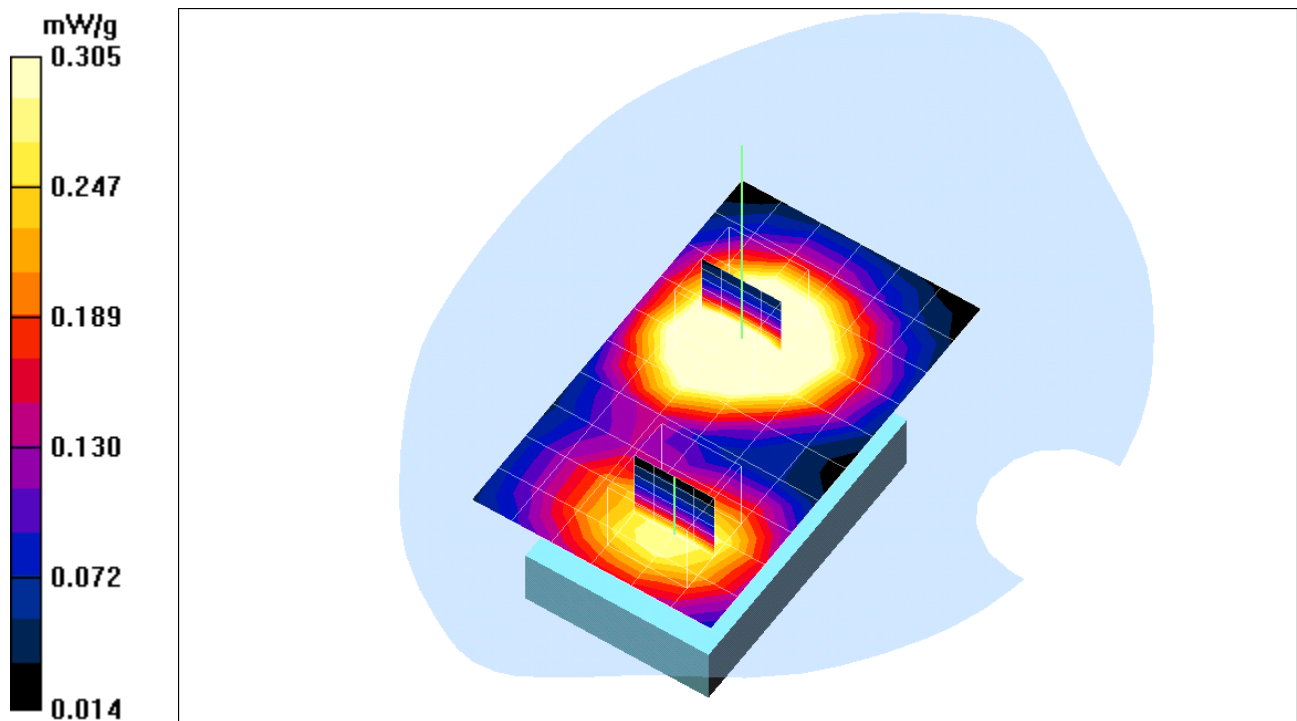
Peak SAR (extrapolated) = 0.420 W/kg

SAR(1 g) = 0.284 mW/g; SAR(10 g) = 0.185 mW/g

Reference Value = 17.3 V/m

Power Drift = -0.0 dB

Maximum value of SAR = 0.305 mW/g



Test Laboratory: Compliance Certification Services Inc.

gprs1900-flat

DUT: Tri Band(850/1800/1900)Pocket PC Cell Phone with GPRS; Type: PPC4100; Serial: 8155B550133520008FM000

Communication System: GPRS1900; Frequency: 1909.8 MHz; Duty Cycle: 1:4

Medium: HSL1900 ($\sigma = 1.56$ mho/m, $\epsilon_r = 51.43$, $\rho = 1000$ kg/m³)

Air Temperature 23.6 deg C ; Liquid Temperature 22.5 deg C

Phantom section: Flat Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1762; ConvF(5, 5, 5); Calibrated: 3/31/2003
- Sensor-Surface: 4mm (Mechanical Surface Detection)
Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE3 Sn558; Calibrated: 3/7/2003
- Phantom: SAM 34; Type: SAM V4.0; Serial: TP-1150
- Measurement SW: DASY4, V4.1 Build 47; Postprocessing SW: SEMCAD, V1.8 Build 62

gsm high/Area Scan (7x11x1): Measurement grid: dx=15mm, dy=15mm

Reference Value = 16.7 V/m

Power Drift = -0.0 dB

Maximum value of SAR = 0.438 mW/g

gsm high/Z Scan (1x1x21): Measurement grid: dx=20mm, dy=20mm, dz=5mm

Reference Value = 16.7 V/m

Power Drift = -0.0 dB

Maximum value of SAR = 0.373 mW/g

gsm high/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm

Peak SAR (extrapolated) = 0.672 W/kg

SAR(1 g) = 0.434 mW/g; SAR(10 g) = 0.278 mW/g

Reference Value = 16.7 V/m

Power Drift = -0.0 dB

Maximum value of SAR = 0.464 mW/g

gsm high/Zoom Scan (5x5x7)/Cube 1: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm

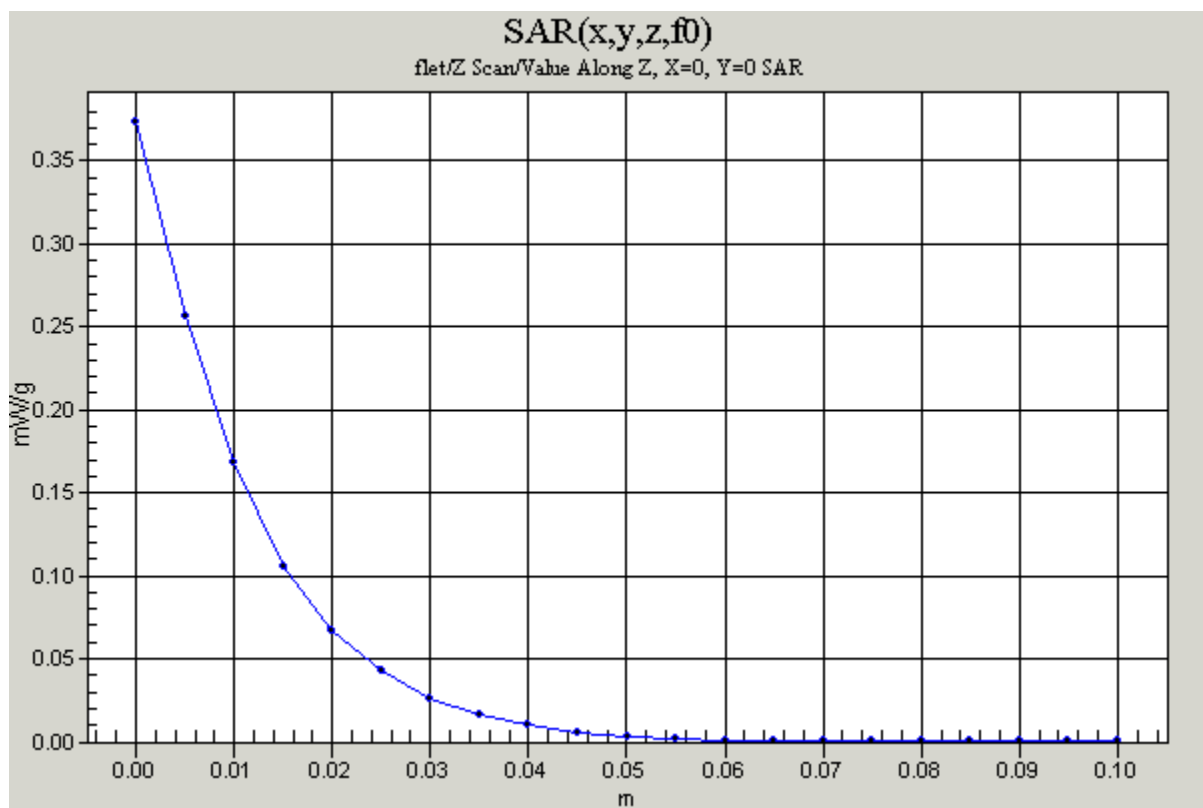
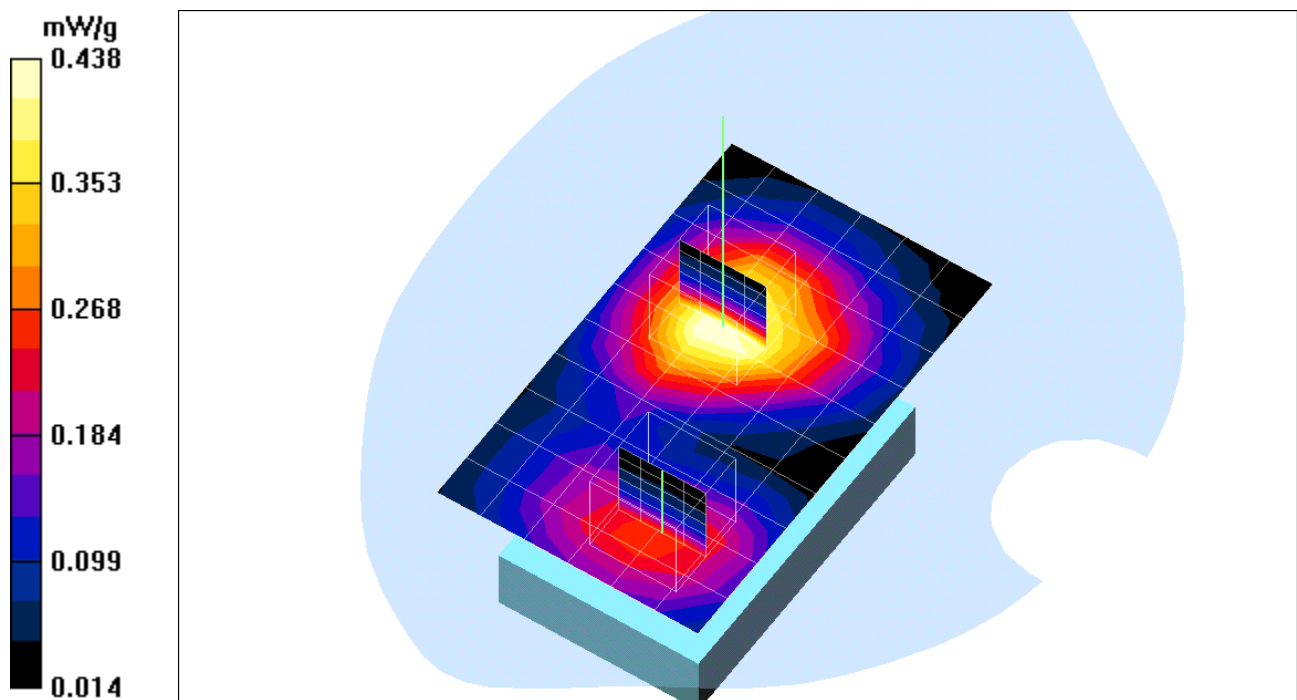
Peak SAR (extrapolated) = 0.383 W/kg

SAR(1 g) = 0.254 mW/g; SAR(10 g) = 0.164 mW/g

Reference Value = 16.7 V/m

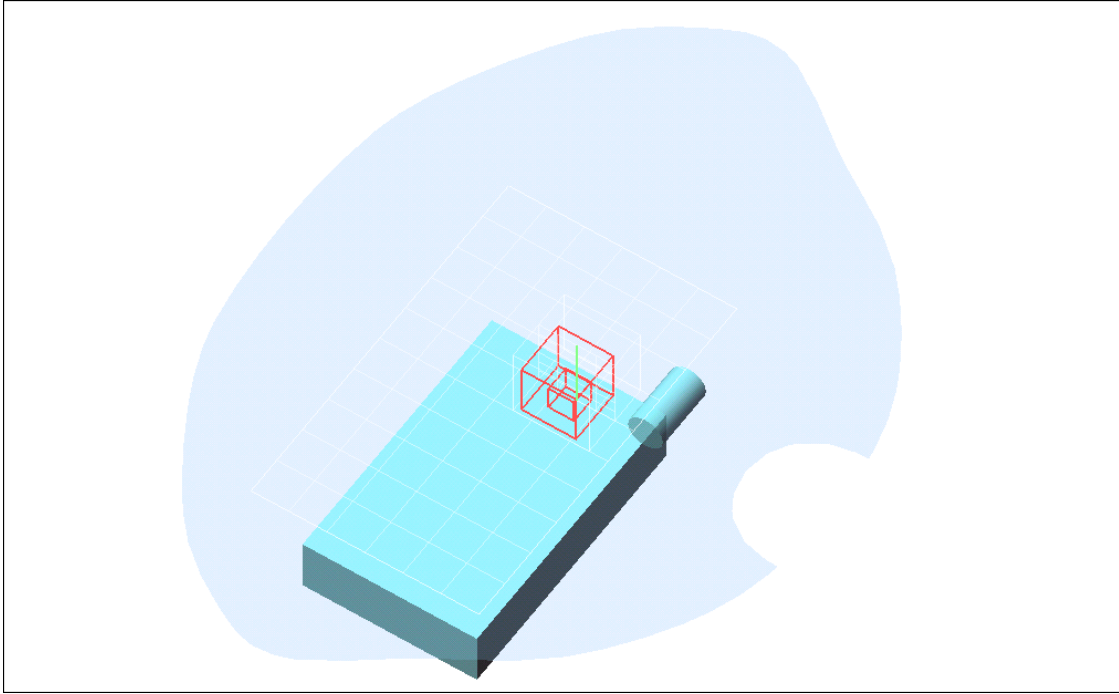
Power Drift = -0.0 dB

Maximum value of SAR = 0.272 mW/g



Test Laboratory: Compliance Certification Services Inc.

Body



Test Laboratory: Compliance Certification Services Inc.

gsm1900-flat-2.5mm

**DUT: Tri Band(850/1800/1900)Pocket PC Cell Phone with GPRS; Type: PPC4100;
Serial: 8155B550133520008FM000**

Communication System: GSM1900; Frequency: 1850.2 MHz; Duty Cycle: 1:8

Medium parameters used: $f = 1850.2 \text{ MHz}$; $\sigma = 1.43 \text{ mho/m}$; $\epsilon_r = 39.5$; $\rho = 1000 \text{ kg/m}^3$

Air Temperature: 24.3 deg C; Liquid Temperature: 23.2 deg C

Phantom section: Flat Section

DASY4 Configuration:

- Probe: ES3DV2 - SN3023; ConvF(4.9, 4.9, 4.9); Calibrated: 9/23/2003
- Sensor-Surface: 4mm (Mechanical Surface Detection)
Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE3 Sn427; Calibrated: 3/15/2004
- Phantom: SAM 34; Type: SAM V4.0; Serial: TP-1150
- Measurement SW: DASY4, V4.2 Build 44; Postprocessing SW: SEMCAD, V1.8 Build 112

gsm low/Area Scan (7x11x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

Reference Value = 11.7 V/m; Power Drift = -0.1 dB

Maximum value of SAR (measured) = 0.218 mW/g

gsm low/Z Scan (1x1x21): Measurement grid: $dx=20\text{mm}$, $dy=20\text{mm}$, $dz=5\text{mm}$

Reference Value = 11.7 V/m; Power Drift = -0.1 dB

Maximum value of SAR (measured) = 0.187 mW/g

gsm low/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=7.5\text{mm}$, $dy=7.5\text{mm}$, $dz=5\text{mm}$

Reference Value = 11.7 V/m; Power Drift = -0.1 dB

Maximum value of SAR (measured) = 0.221 mW/g

Peak SAR (extrapolated) = 0.309 W/kg

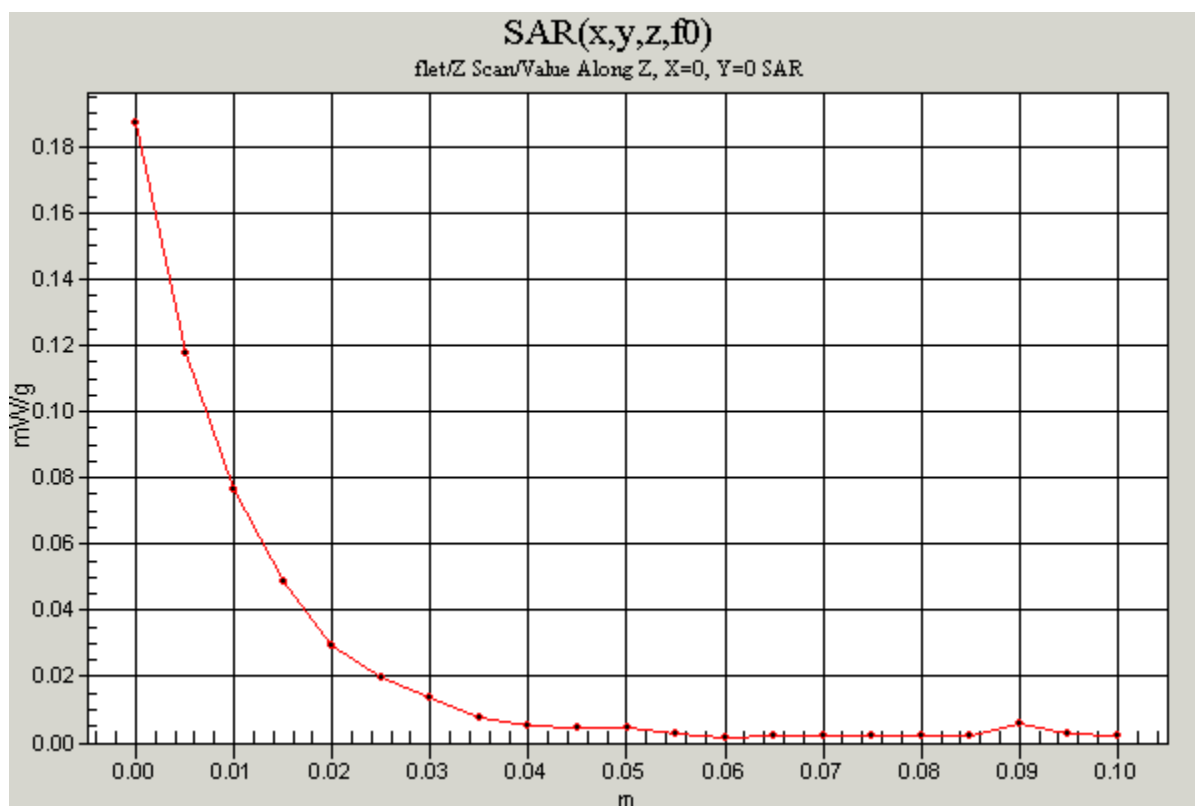
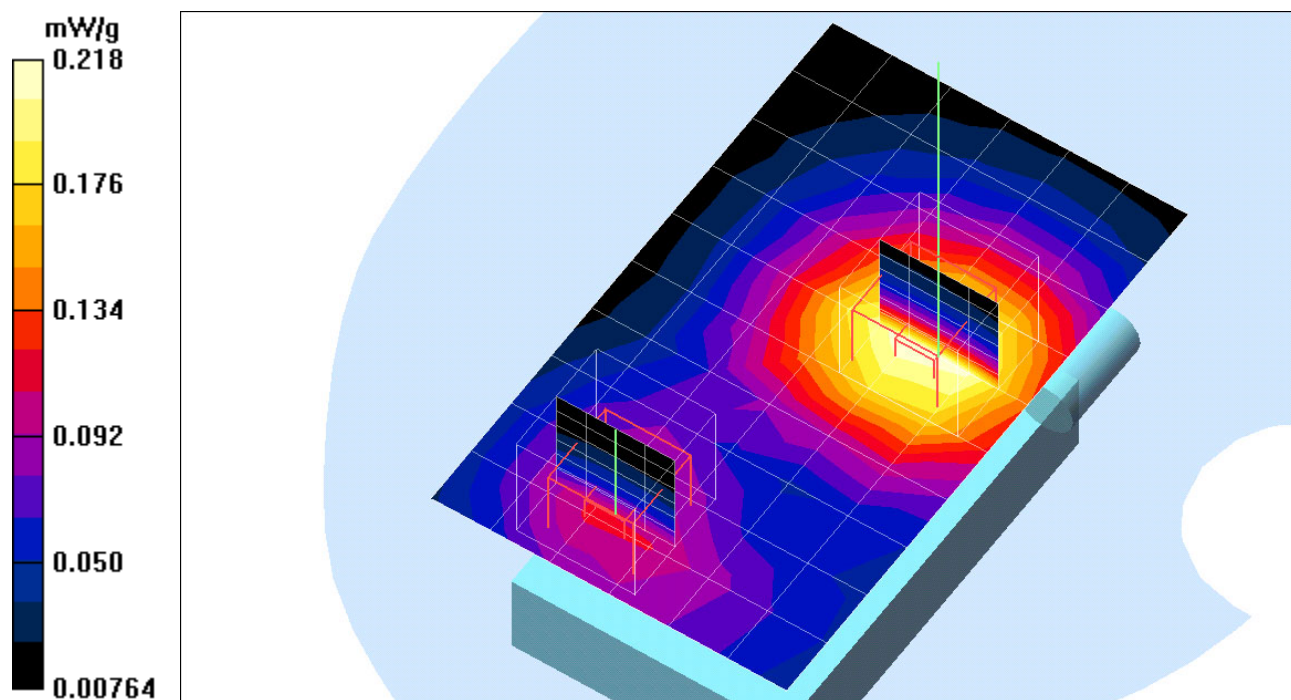
SAR(1 g) = **0.206 mW/g**; SAR(10 g) = **0.133 mW/g**

gsm low/Zoom Scan (5x5x7)/Cube 1: Measurement grid: $dx=7.5\text{mm}$, $dy=7.5\text{mm}$, $dz=5\text{mm}$

Reference Value = 11.7 V/m; Power Drift = -0.1 dB

Maximum value of SAR (measured) = 0.113 mW/g

Peak SAR (extrapolated) = 0.149 W/kg
SAR(1 g) = **0.105 mW/g**; SAR(10 g) = 0.069 mW/g



Test Laboratory: Compliance Certification Services Inc.

gsm1900-flat-2.5mm

**DUT: Tri Band(850/1800/1900)Pocket PC Cell Phone with GPRS; Type: PPC4100;
Serial: 8155B550133520008FM000**

Communication System: GSM1900; Frequency: 1880 MHz;Duty Cycle: 1:8

Medium parameters used: $f = 1880 \text{ MHz}$; $\sigma = 1.43 \text{ mho/m}$; $\epsilon_r = 39.5$; $\rho = 1000 \text{ kg/m}^3$

Air Temperature:24.3 deg C;Liquid Temperature:23.2 deg C

Phantom section: Flat Section

DASY4 Configuration:

- Probe: ES3DV2 - SN3023; ConvF(4.9, 4.9, 4.9); Calibrated: 9/23/2003
- Sensor-Surface: 4mm (Mechanical Surface Detection)
Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE3 Sn427; Calibrated: 3/15/2004
- Phantom: SAM 34; Type: SAM V4.0; Serial: TP-1150
- Measurement SW: DASY4, V4.2 Build 44; Postprocessing SW: SEMCAD, V1.8 Build 112

gsm mid/Area Scan (7x11x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

Reference Value = 11.3 V/m; Power Drift = -0.007 dB

Maximum value of SAR (measured) = 0.207 mW/g

gsm mid/Z Scan (1x1x21): Measurement grid: $dx=20\text{mm}$, $dy=20\text{mm}$, $dz=5\text{mm}$

Reference Value = 11.3 V/m; Power Drift = -0.0 dB

Maximum value of SAR (measured) = 0.176 mW/g

gsm mid/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=7.5\text{mm}$, $dy=7.5\text{mm}$, $dz=5\text{mm}$

Reference Value = 11.3 V/m; Power Drift = -0.007 dB

Maximum value of SAR (measured) = 0.208 mW/g

Peak SAR (extrapolated) = 0.294 W/kg

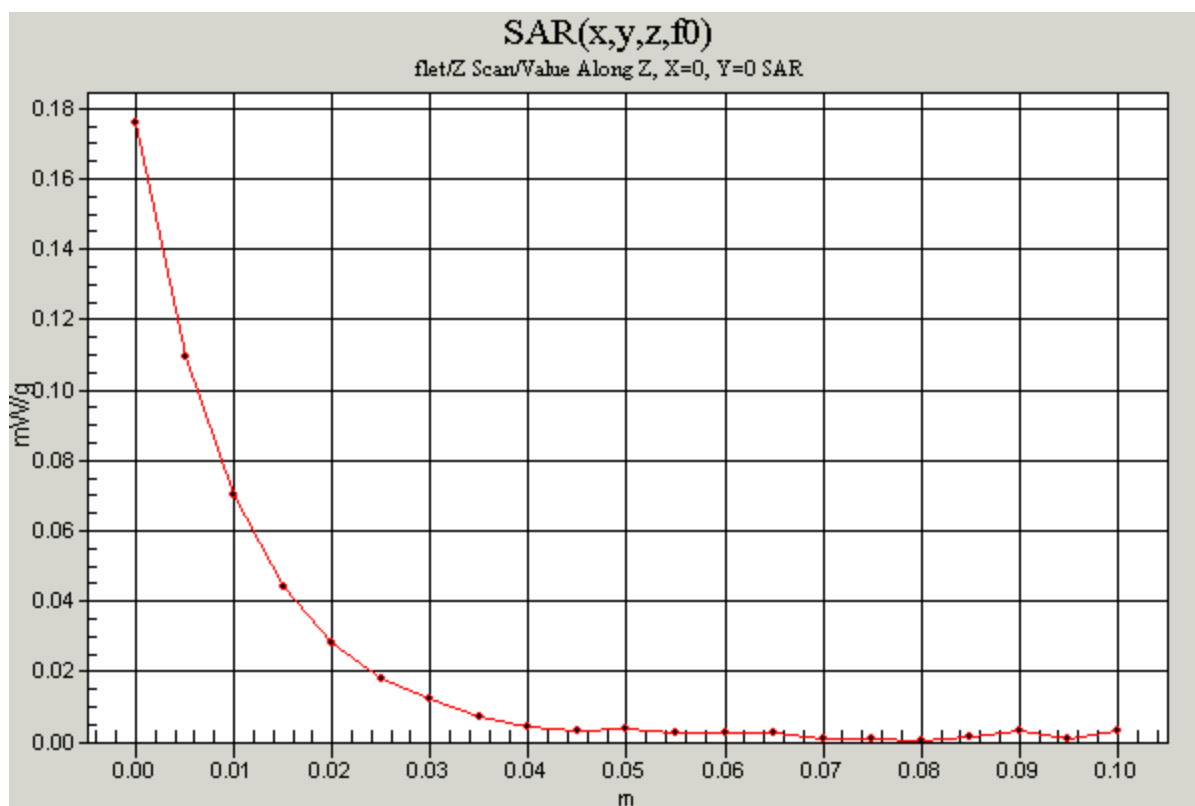
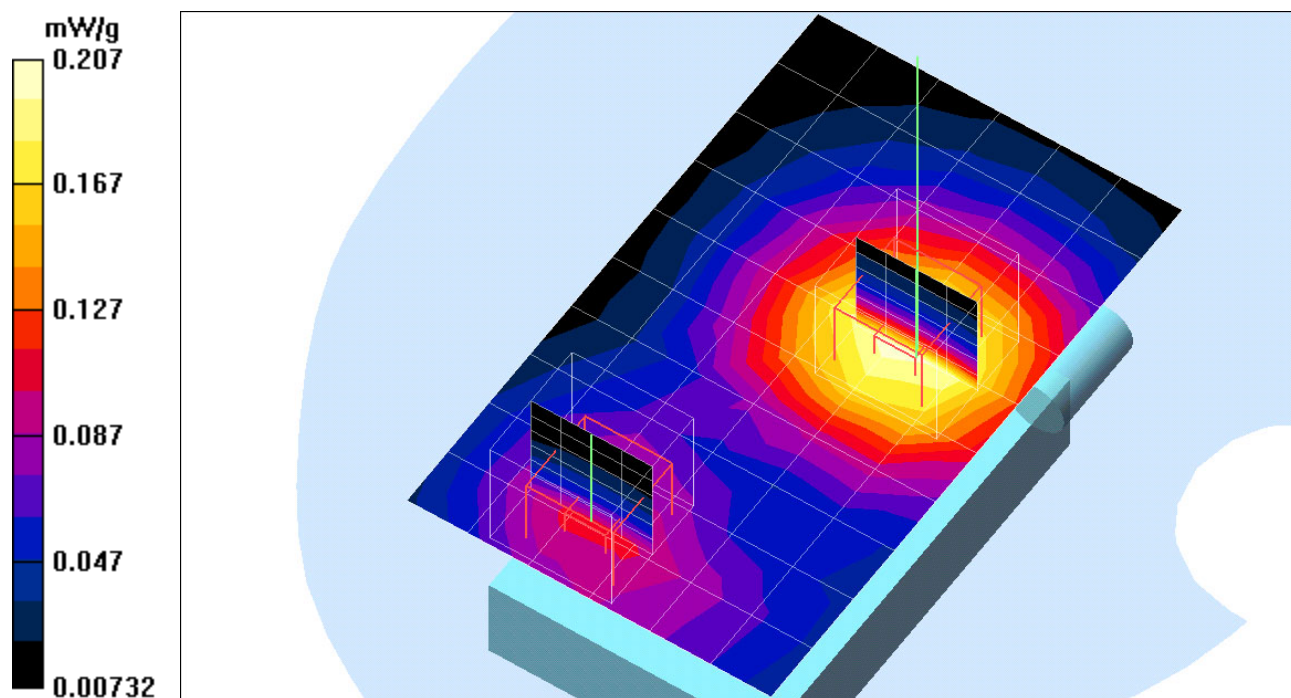
SAR(1 g) = **0.194 mW/g**; SAR(10 g) = **0.124 mW/g**

gsm mid/Zoom Scan (5x5x7)/Cube 1: Measurement grid: $dx=7.5\text{mm}$, $dy=7.5\text{mm}$, $dz=5\text{mm}$

Reference Value = 11.3 V/m; Power Drift = -0.007 dB

Maximum value of SAR (measured) = 0.110 mW/g

Peak SAR (extrapolated) = 0.148 W/kg
SAR(1 g) = **0.102 mW/g**; SAR(10 g) = 0.067 mW/g



Test Laboratory: Compliance Certification Services Inc.

gsm1900-flat-2.5mm

**DUT: Tri Band(850/1800/1900)Pocket PC Cell Phone with GPRS; Type: PPC4100;
Serial: 8155B550133520008FM000**

Communication System: GSM1900; Frequency: 1909.8 MHz; Duty Cycle: 1:8

Medium parameters used: $f = 1909.8 \text{ MHz}$; $\sigma = 1.43 \text{ mho/m}$; $\epsilon_r = 39.5$; $\rho = 1000 \text{ kg/m}^3$

Air Temperature: 24.3 deg C; Liquid Temperature: 23.2 deg C

Phantom section: Flat Section

DASY4 Configuration:

- Probe: ES3DV2 - SN3023; ConvF(4.9, 4.9, 4.9); Calibrated: 9/23/2003
- Sensor-Surface: 4mm (Mechanical Surface Detection)
Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE3 Sn427; Calibrated: 3/15/2004
- Phantom: SAM 34; Type: SAM V4.0; Serial: TP-1150
- Measurement SW: DASY4, V4.2 Build 44; Postprocessing SW: SEMCAD, V1.8 Build 112

gsm high/Area Scan (7x11x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

Reference Value = 10.6 V/m; Power Drift = -0.0 dB

Maximum value of SAR (measured) = 0.178 mW/g

gsm high/Z Scan (1x1x21): Measurement grid: $dx=20\text{mm}$, $dy=20\text{mm}$, $dz=5\text{mm}$

Reference Value = 10.6 V/m; Power Drift = -0.2 dB

Maximum value of SAR (measured) = 0.142 mW/g

gsm high/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=7.5\text{mm}$, $dy=7.5\text{mm}$, $dz=5\text{mm}$

Reference Value = 10.6 V/m; Power Drift = -0.0 dB

Maximum value of SAR (measured) = 0.181 mW/g

Peak SAR (extrapolated) = 0.255 W/kg

SAR(1 g) = **0.168 mW/g**; SAR(10 g) = **0.108 mW/g**

gsm high/Zoom Scan (5x5x7)/Cube 1: Measurement grid: $dx=7.5\text{mm}$, $dy=7.5\text{mm}$, $dz=5\text{mm}$

Reference Value = 10.6 V/m; Power Drift = -0.0 dB

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

Peak SAR (extrapolated) = 0.142 W/kg
SAR(1 g) = **0.095 mW/g**; SAR(10 g) = 0.062 mW/g

