

ATTACHMENT O – SAR TEST PLOTS

Test Laboratory: HCT

Company : AXESSTEL INC.
 Mode : GPRS / Channel : 128(Charger)
 Position : Body / Antenna : Fixed
 Liquid Temperature : 21.7 °C
 Date Tested : January 31, 2007

DUT: PG330

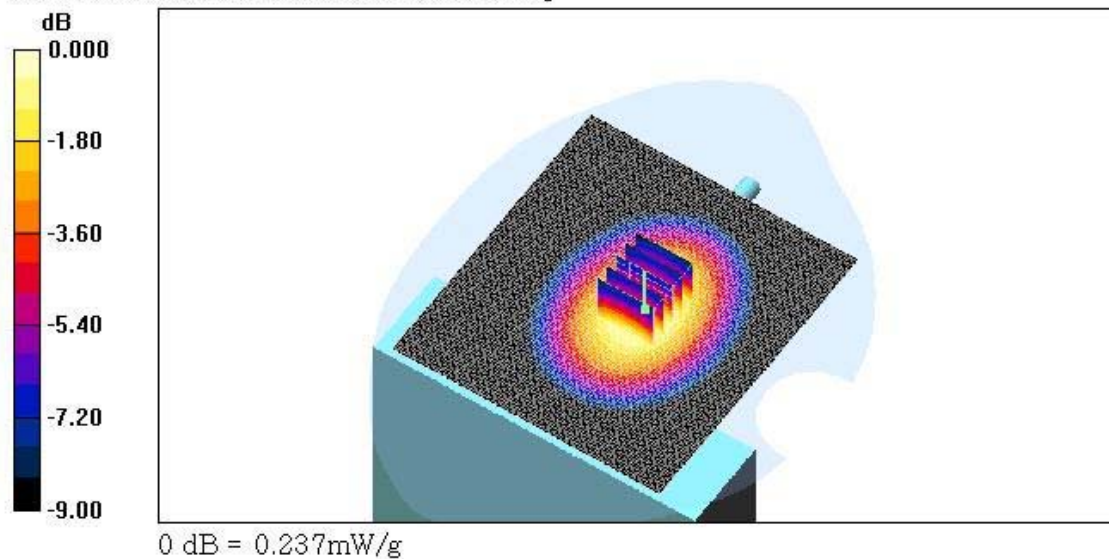
Communication System: GSM 850; Frequency: 824.2 MHz; Duty Cycle: 1:4.15
 Medium parameters used: $f = 825$ MHz; $\sigma = 0.978$ mho/m; $\epsilon_r = 53.5$; $\rho = 1000$ kg/m³
 Phantom section: Flat Section ; Measurement SW: DASY4, V4.7 Build 53

DASY4 Configuration:

- Probe: ET3DV6 - SN1798; ConvF(6.71, 6.71, 6.71); Calibrated: 2006-08-25
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn447; Calibrated: 2006-11-17
- Phantom: SAM 835/900 MHz; Type: SAM

Body GSM850 128ch/Area Scan (101x111x1): Measurement grid: dx=15mm, dy=15mm
 Maximum value of SAR (interpolated) = 0.233 mW/g

Body GSM850 128ch/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
 Reference Value = 15.7 V/m; Power Drift = 0.013 dB
 Peak SAR (extrapolated) = 0.288 W/kg
SAR(1 g) = 0.223 mW/g; SAR(10 g) = 0.160 mW/g
 Maximum value of SAR (measured) = 0.237 mW/g



Test Laboratory: HCT

Company : AXESSTEL INC.
Mode : GPRS / Channel : 190(Charger)
Position : Body / Antenna : Fixed
Liquid Temperature : 21.7°C
Date Tested : January 31, 2007

DUT: PG330

Communication System: GSM 850; Frequency: 836.6 MHz;Duty Cycle: 1:4.15
Medium parameters used (interpolated): $f = 836.6$ MHz; $\sigma = 0.991$ mho/m; $\epsilon_r = 53.4$; $\rho = 1000$ kg/m³
Phantom section: Flat Section ;Measurement SW: DASY4, V4.7 Build 53

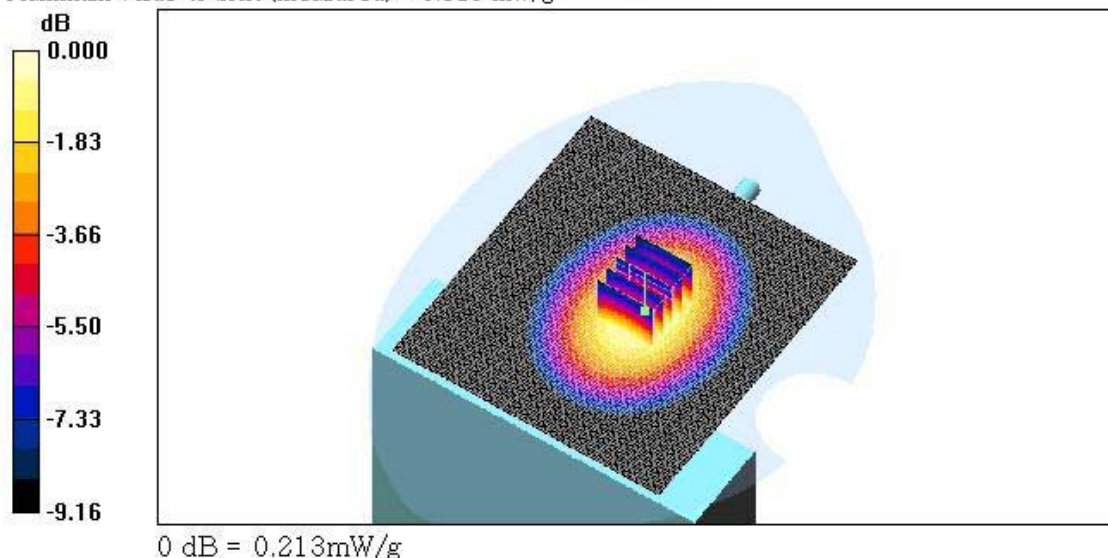
DASY4 Configuration:
- Probe: ET3DV6 - SN1798; ConvF(6.71, 6.71, 6.71); Calibrated: 2006-08-25
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn447; Calibrated: 2006-11-17
- Phantom: SAM 835/900 MHz; Type: SAM

Body GSM850 190ch/Area Scan (101x111x1): Measurement grid: dx=15mm, dy=15mm

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (interpolated) = 0.211 mW/g

Body GSM850 190ch/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 14.9 V/m; Power Drift = -0.033 dB
Peak SAR (extrapolated) = 0.261 W/kg
SAR(1 g) = 0.201 mW/g; SAR(10 g) = 0.144 mW/g

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 0.213 mW/g



Test Laboratory: HCT

Company : AXESSTEL INC.
 Mode : GPRS / Channel : 251(Charger)
 Position : Body / Antenna : Fixed
 Liquid Temperature : 21.7 °C
 Date Tested : January 31, 2007

DUT: PG330

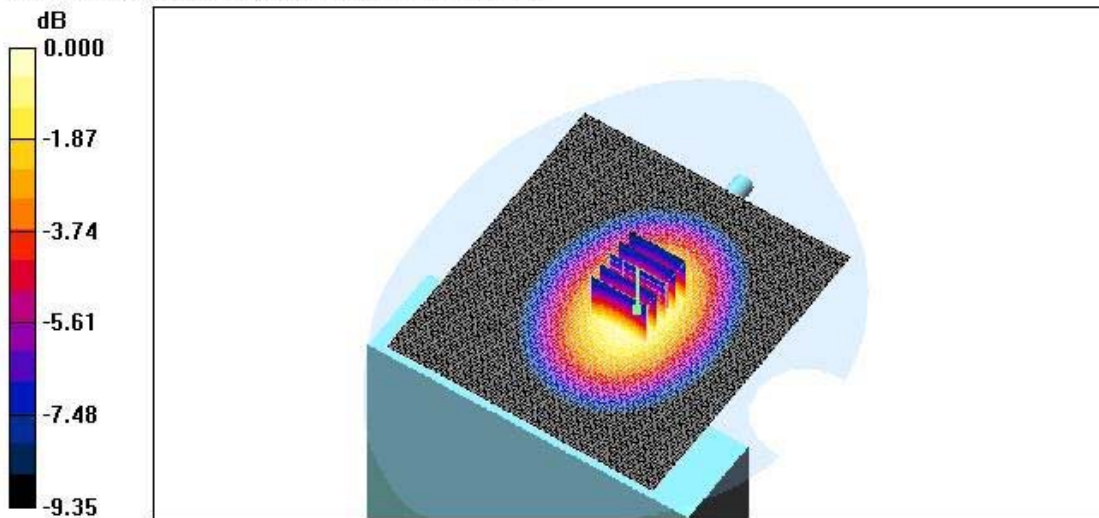
Communication System: GSM 850; Frequency: 849.8 MHz; Duty Cycle: 1:4.15
 Medium parameters used: $f = 850$ MHz; $\sigma = 1$ mho/m; $\epsilon_r = 53.4$; $\rho = 1000$ kg/m³
 Phantom section: Flat Section ; Measurement SW: DASY4, V4.7 Build 53

DASY4 Configuration:

- Probe: ET3DV6 - SN1798; ConvF(6.71, 6.71, 6.71); Calibrated: 2006-08-25
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn447; Calibrated: 2006-11-17
- Phantom: SAM 835/900 MHz; Type: SAM

Body GSM850 251ch/Area Scan (101x111x1): Measurement grid: $dx=15$ mm, $dy=15$ mm
 Maximum value of SAR (interpolated) = 0.220 mW/g

Body GSM850 251ch/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8$ mm, $dy=8$ mm, $dz=5$ mm
 Reference Value = 15.1 V/m; Power Drift = -0.035 dB
 Peak SAR (extrapolated) = 0.275 W/kg
SAR(1 g) = 0.209 mW/g; SAR(10 g) = 0.149 mW/g
 Maximum value of SAR (measured) = 0.222 mW/g



0 dB = 0.222mW/g

Test Laboratory: HCT

Company : AXESSTEL INC.
 Mode : GPRS / Channel : 128(without Charger)
 Position : Body / Antenna : Fixed
 Liquid Temperature : 21.7 °C
 Date Tested : January 31, 2007

DUT: PG330

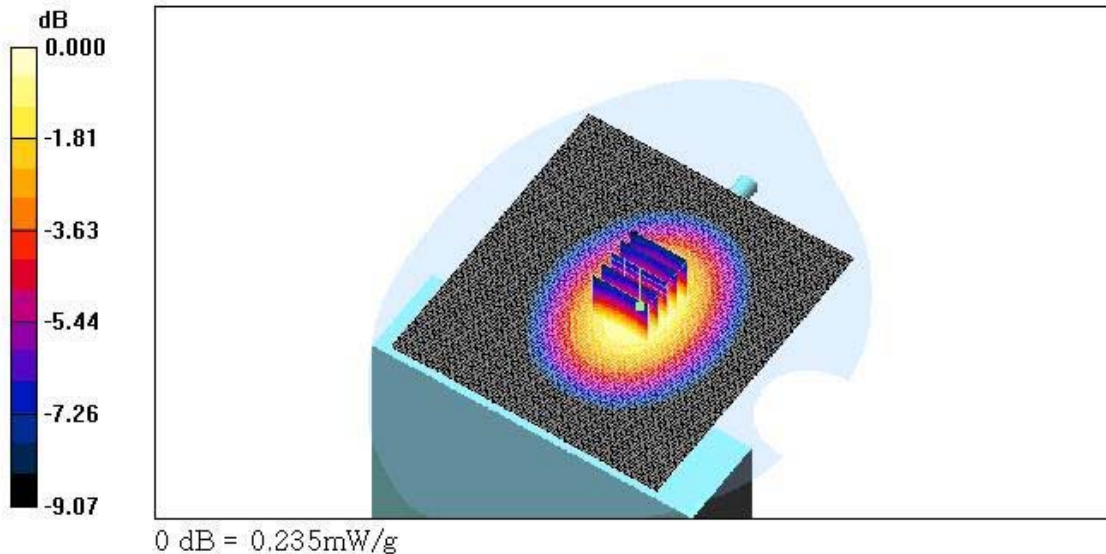
Communication System: GSM 850; Frequency: 824.2 MHz;Duty Cycle: 1:4.15
 Medium parameters used: $f = 825 \text{ MHz}$; $\sigma = 0.978 \text{ mho/m}$; $\epsilon_r = 53.5$; $\rho = 1000 \text{ kg/m}^3$
 Phantom section: Flat Section ;Measurement SW: DASY4, V4.7 Build 53

DASY4 Configuration:

- Probe: ET3DV6 - SN1798; ConvF(6.71, 6.71, 6.71); Calibrated: 2006-08-25
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn447; Calibrated: 2006-11-17
- Phantom: SAM 835/900 MHz; Type: SAM

Body GSM850 128ch/Area Scan (101x111x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$
 Maximum value of SAR (interpolated) = 0.231 mW/g

Body GSM850 128ch/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$
 Reference Value = 15.8 V/m; Power Drift = -0.015 dB
 Peak SAR (extrapolated) = 0.285 W/kg
SAR(1 g) = 0.222 mW/g; SAR(10 g) = 0.160 mW/g
 Maximum value of SAR (measured) = 0.235 mW/g



Test Laboratory: HCT

Company : AXESSTEL INC.
Mode : GSM850 / Channel : 128(without Charger)
Position : Body / Antenna : Fixed
Liquid Temperature : 21.7°C
Date Tested : January 31, 2007

DUT: PG330

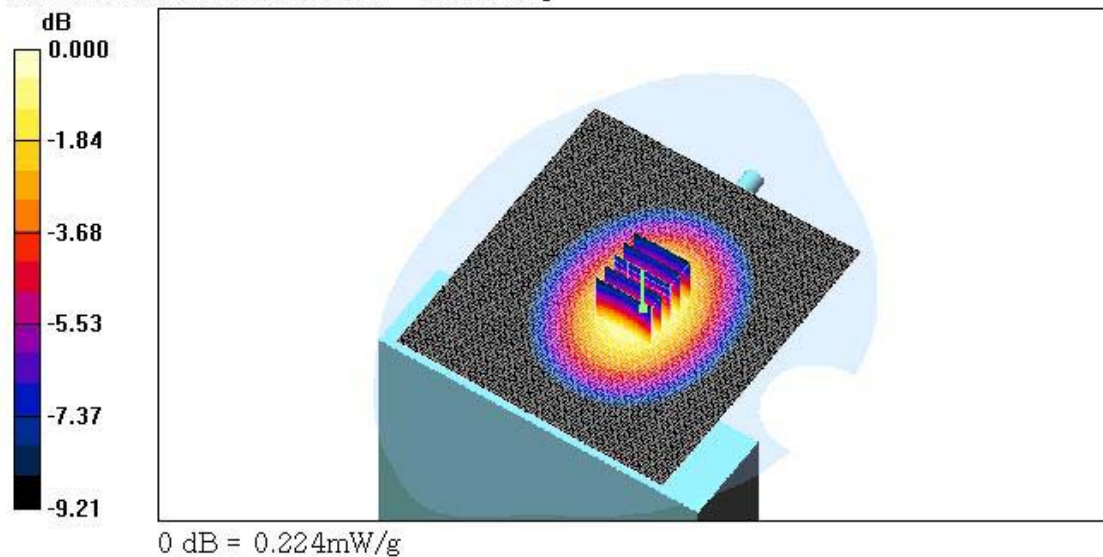
Communication System: GSM 850; Frequency: 824.2 MHz; Duty Cycle: 1:8.3
Medium parameters used: $f = 825$ MHz; $\sigma = 0.978$ mho/m; $\epsilon_r = 53.5$; $\rho = 1000$ kg/m³
Phantom section: Flat Section ; Measurement SW: DASY4, V4.7 Build 53

DASY4 Configuration:

- Probe: ET3DV6 - SN1798; ConvF(6.71, 6.71, 6.71); Calibrated: 2006-08-25
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn447; Calibrated: 2006-11-17
- Phantom: SAM 835/900 MHz; Type: SAM

Body GSM850 128ch/Area Scan (101x111x1): Measurement grid: $dx=15$ mm, $dy=15$ mm
Maximum value of SAR (interpolated) = 0.220 mW/g

Body GSM850 128ch/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8$ mm, $dy=8$ mm, $dz=5$ mm
Reference Value = 15.5 V/m; Power Drift = -0.006 dB
Peak SAR (extrapolated) = 0.280 W/kg
SAR(1 g) = 0.211 mW/g; SAR(10 g) = 0.149 mW/g
Maximum value of SAR (measured) = 0.224 mW/g



Test Laboratory: HCT

Company : AXESSTEL INC.
Mode : GPRS / Channel : 512(Charger)
Position : Body / Antenna : Fixed
Liquid Temperature : 21.7 °C
Date Tested : January 31, 2007

DUT: PG330

Communication System: GSM 1900; Frequency: 1850.2 MHz; Duty Cycle: 1:4.15
Medium parameters used (interpolated): $f = 1850.2 \text{ MHz}$; $\sigma = 1.52 \text{ mho/m}$; $\epsilon_r = 51.3$; $\rho = 1000 \text{ kg/m}^3$
Phantom section: Flat Section ; Measurement SW: DASY4, V4.7 Build 53

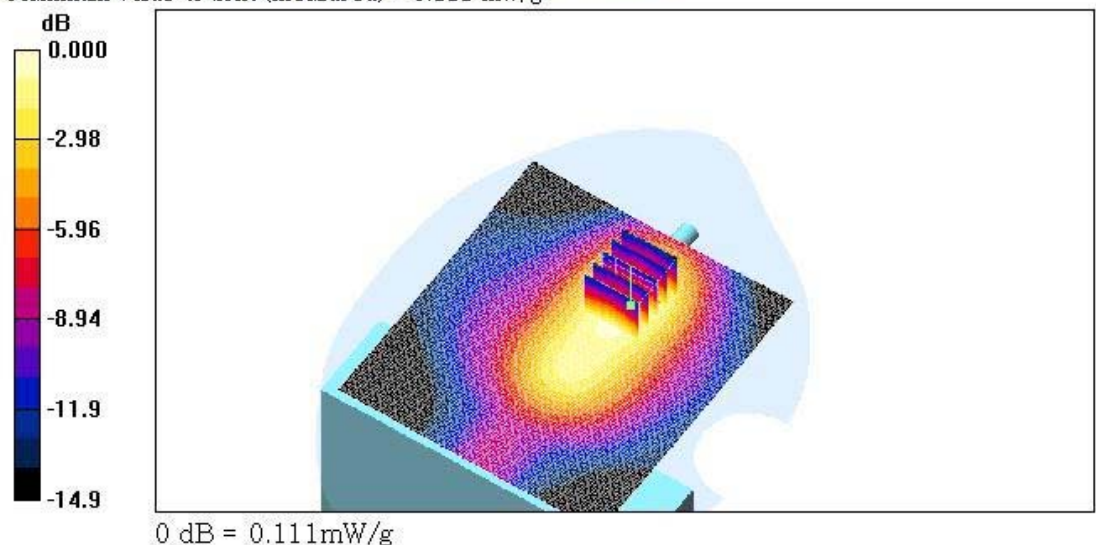
- DASY4 Configuration:
- Probe: ET3DV6 - SN1798; ConvF(4.8, 4.8, 4.8); Calibrated: 2006-08-25
 - Sensor-Surface: 4mm (Mechanical Surface Detection)
 - Electronics: DAE4 Sn447; Calibrated: 2006-11-17
 - Phantom: SAM 1800/1900 MHz; Type: SAM

Body GSM1900 512ch/Area Scan (101x111x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (interpolated) = 0.112 mW/g

Body GSM1900 512ch/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$
Reference Value = 8.03 V/m; Power Drift = -0.093 dB
Peak SAR (extrapolated) = 0.147 W/kg
SAR(1 g) = 0.103 mW/g; SAR(10 g) = 0.066 mW/g

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 0.111 mW/g



Test Laboratory: HCT

Company : AXESSTEL INC.
Mode : GPRS / Channel : 661(Charger)
Position : Body / Antenna : Fixed
Liquid Temperature : 21.7 °C
Date Tested : January 31, 2007

DUT: PG330

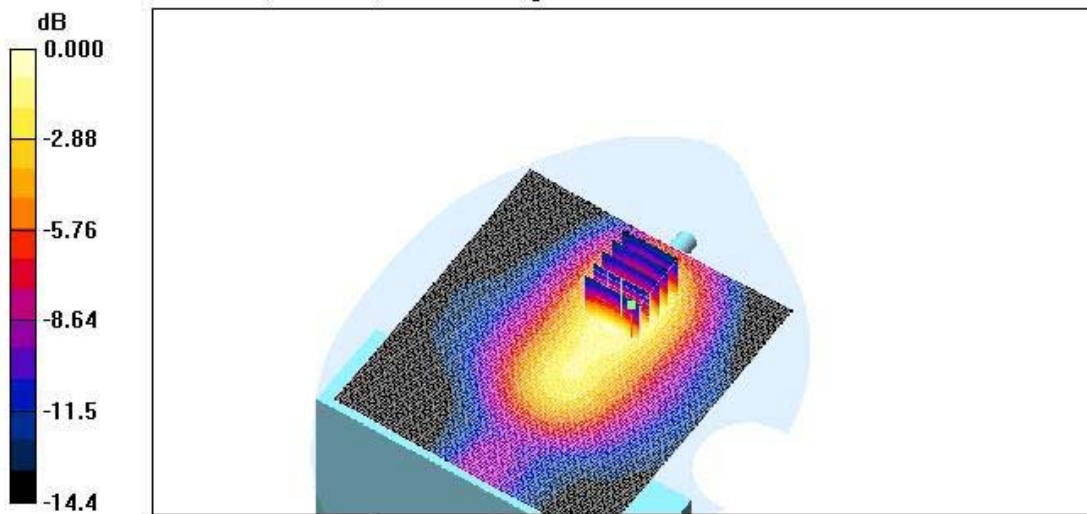
Communication System: GSM 1900; Frequency: 1880 MHz; Duty Cycle: 1:4.15
Medium parameters used: $f = 1880 \text{ MHz}$; $\sigma = 1.55 \text{ mho/m}$; $\epsilon_r = 51.2$; $\rho = 1000 \text{ kg/m}^3$
Phantom section: Flat Section ; Measurement SW: DASY4, V4.7 Build 53

DASY4 Configuration:

- Probe: ET3DV6 - SN1798; ConvF(4.8, 4.8, 4.8); Calibrated: 2006-08-25
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn447; Calibrated: 2006-11-17
- Phantom: SAM 1800/1900 MHz, Type: SAM

Body GSM1900 661ch/Area Scan (101x111x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$
Maximum value of SAR (interpolated) = 0.129 mW/g

Body GSM1900 661ch/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$
Reference Value = 8.10 V/m; Power Drift = 0.003 dB
Peak SAR (extrapolated) = 0.174 W/kg
SAR(1 g) = 0.119 mW/g; SAR(10 g) = 0.075 mW/g
Maximum value of SAR (measured) = 0.128 mW/g



Test Laboratory: HCT

Company : AXESSTEL INC.
 Mode : GPRS / Channel : 810(Charger)
 Position : Body / Antenna : Fixed
 Liquid Temperature : 21.7 °C
 Date Tested : January 31, 2007

DUT: PG330

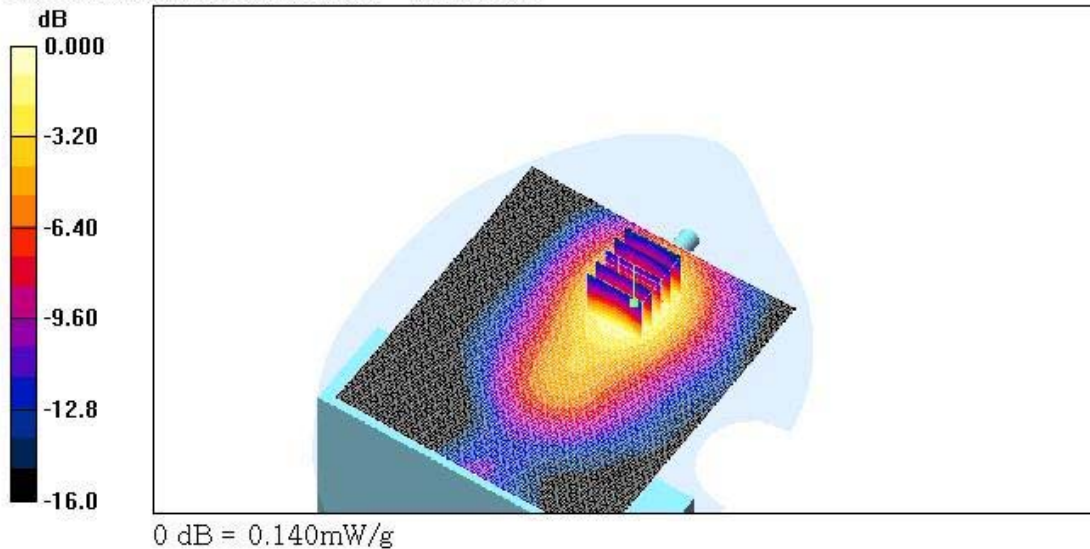
Communication System: GSM 1900; Frequency: 1909.8 MHz; Duty Cycle: 1:4.15
 Medium parameters used: $f = 1910 \text{ MHz}$; $\sigma = 1.59 \text{ mho/m}$; $\epsilon_r = 51$; $\rho = 1000 \text{ kg/m}^3$
 Phantom section: Flat Section ; Measurement SW: DASY4, V4.7 Build 53

DASY4 Configuration:

- Probe: ET3DV6 - SN1798; ConvF(4.8, 4.8, 4.8); Calibrated: 2006-08-25
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn447; Calibrated: 2006-11-17
- Phantom: SAM 1800/1900 MHz; Type: SAM

Body GSM1900 810ch/Area Scan (101x111x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$
 Maximum value of SAR (interpolated) = 0.140 mW/g

Body GSM1900 810ch/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$
 Reference Value = 6.37 V/m; Power Drift = -0.073 dB
 Peak SAR (extrapolated) = 0.190 W/kg
SAR(1 g) = 0.129 mW/g; SAR(10 g) = 0.080 mW/g
 Maximum value of SAR (measured) = 0.140 mW/g



Test Laboratory: HCT

Company : AXESSTEL INC.
Mode : GPRS / Channel : 810(without Charger)
Position : Body / Antenna : Fixed
Liquid Temperature : 21.7 °C
Date Tested : January 31, 2007

DUT: PG330

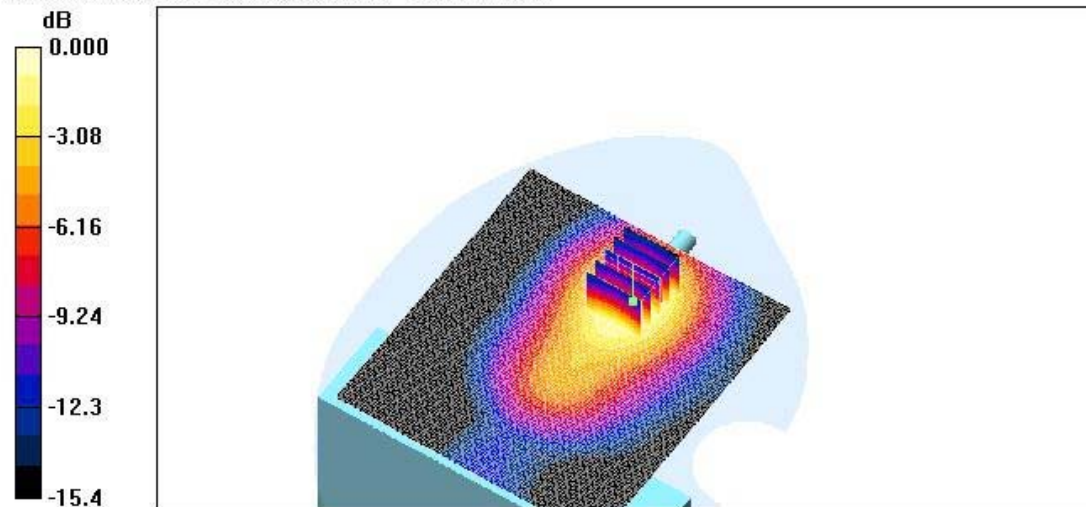
Communication System: GSM 1900 (4.15); Frequency: 1909.8 MHz; Duty Cycle: 1:4.15
Medium parameters used: $f = 1910 \text{ MHz}$; $\sigma = 1.59 \text{ mho/m}$; $\epsilon_r = 51$; $\rho = 1000 \text{ kg/m}^3$
Phantom section: Flat Section ; Measurement SW: DASY4, V4.7 Build 53

DASY4 Configuration:

- Probe: ET3DV6 - SN1798; ConvF(4.8, 4.8, 4.8); Calibrated: 2006-08-25
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn447; Calibrated: 2006-11-17
- Phantom: SAM 1800/1900 MHz; Type: SAM

Body GSM1900 810ch/Area Scan (101x111x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$
Maximum value of SAR (interpolated) = 0.139 mW/g

Body GSM1900 810ch/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$
Reference Value = 6.36 V/m; Power Drift = -0.001 dB
Peak SAR (extrapolated) = 0.190 W/kg
SAR(1 g) = 0.129 mW/g; SAR(10 g) = 0.080 mW/g
Maximum value of SAR (measured) = 0.139 mW/g



Test Laboratory: HCT

Company : AXESSTEL INC.
 Mode : GSM1900 / Channel : 810(without Charger)
 Position : Body / Antenna : Fixed
 Liquid Temperature : 21.7 °C
 Date Tested : January 31, 2007

DUT: PG330

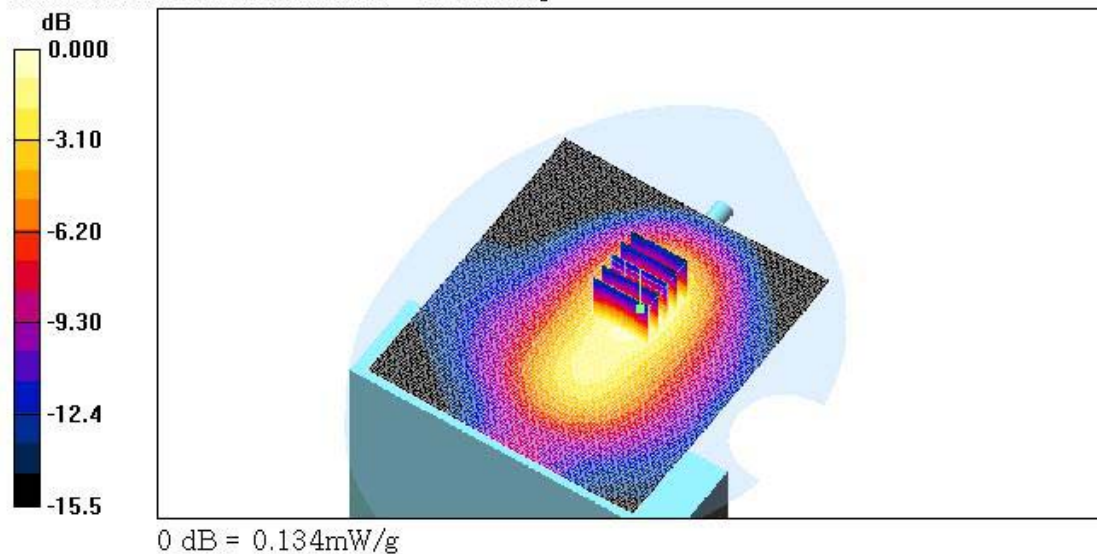
Communication System: GSM 1900; Frequency: 1909.8 MHz; Duty Cycle: 1:8.3
 Medium parameters used: $f = 1910$ MHz; $\sigma = 1.52$ mho/m; $\epsilon_r = 51.8$; $\rho = 1000$ kg/m³
 Phantom section: Flat Section ; Measurement SW: DASY4, V4.7 Build 53

DASY4 Configuration:

- Probe: ET3DV6 - SN1798; ConvF(4.8, 4.8, 4.8); Calibrated: 2006-08-25
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn447; Calibrated: 2006-11-17
- Phantom: SAM 1800/1900 MHz; Type: SAM

Body GSM1900 810ch/Area Scan (101x111x1): Measurement grid: $dx=15$ mm, $dy=15$ mm
 Maximum value of SAR (interpolated) = 0.132 mW/g

Body GSM1900 810ch/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8$ mm, $dy=8$ mm, $dz=5$ mm
 Reference Value = 8.81 V/m; Power Drift = -0.011 dB
 Peak SAR (extrapolated) = 0.174 W/kg
SAR(1 g) = 0.123 mW/g; SAR(10 g) = 0.077 mW/g
 Maximum value of SAR (measured) = 0.134 mW/g



Test Laboratory: HCT

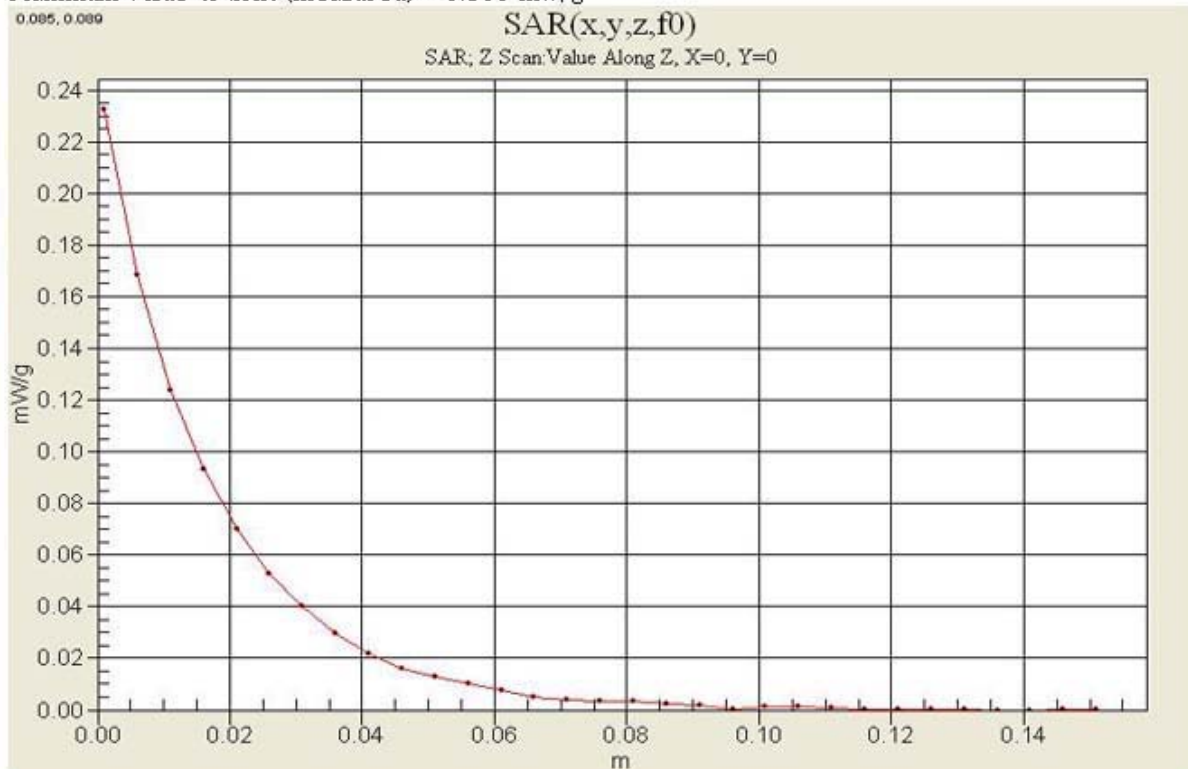
Company : AXESSTEL INC.
Mode : GPRS / Channel : 128(Charger)
Position : Body / Antenna : Fixed
Liquid Temperature : 21.7 °C
Date Tested : January 31, 2007

DUT: PG330

Communication System: GSM 850; Frequency: 824.2 MHz; Duty Cycle: 1:4.15
Medium parameters used: $f = 825 \text{ MHz}$; $\sigma = 0.978 \text{ mho/m}$; $\epsilon_r = 53.5$; $\rho = 1000 \text{ kg/m}^3$
Phantom section: Flat Section ; Measurement SW: DASY4, V4.7 Build 53

- DASY4 Configuration:
- Probe: ET3DV6 - SN1798; ConvF(6.71, 6.71, 6.71); Calibrated: 2006-08-25
 - Sensor-Surface: 0mm (Fix Surface)
 - Electronics: DAE4 Sn447; Calibrated: 2006-11-17
 - Phantom: SAM 835/900 MHz; Type: SAM

Body GSM850 128ch/Z Scan (1x1x31): Measurement grid: dx=20mm, dy=20mm, dz=5mm
Maximum value of SAR (measured) = 0.233 mW/g



Test Laboratory: HCT

Company : AXESSTEL INC.
Mode : GPRS / Channel : 810(Charger)
Position : Body / Antenna : Fixed
Liquid Temperature : 21.7°C
Date Tested : January 31, 2007

DUT: PG330

Communication System: GSM 1900; Frequency: 1909.8 MHz; Duty Cycle: 1:4.15
Medium parameters used: $f = 1910$ MHz; $\sigma = 1.59$ mho/m; $\epsilon_r = 51$; $\rho = 1000$ kg/m³
Phantom section: Flat Section ; Measurement SW: DASY4, V4.7 Build 53

DASY4 Configuration:

- Probe: ET3DV6 - SN1798; ConvF(4.8, 4.8, 4.8); Calibrated: 2006-08-25
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn447; Calibrated: 2006-11-17
- Phantom: SAM 1800/1900 MHz; Type: SAM

Body GSM1900 810ch/Z Scan (1x1x31): Measurement grid: $\Delta x=20$ mm, $\Delta y=20$ mm, $\Delta z=5$ mm
Maximum value of SAR (measured) = 0.145 mW/g

