ATTACHMENT O – SAR TEST PLOTS -2/2-

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Test Laboratory: HCT

Company : Smart Networks Limited
Mode : GSM850 (Body) / Channel : 190
Liquid Temperature : 22.4 ℃ / Ambient Temperature : 22.8 ℃
Date Tested : June 09, 2006

DUT: SP-115C; Type: Bar; Serial: #1

Communication System: GSM 850; Frequency: 836.6 MHz;Duty Cycle: 1:8.3

Medium parameters used (interpolated): f = 836.6 MHz; σ = 0.96 mho/m; ε_r = 55.5; ρ = 1000 kg/m^3

Phantom section: Flat Section ;Measurement SW: DASY4, V4.6 Build 23

DASY4 Configuration:
- Probe: ET3DV6 - SN1609; ConvF(6.42, 6.42, 6.42); Calibrated: 2006-03-23
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn447; Calibrated: 2005-11-30
- Phantom: SAM 835/900 MHz; Type: SAM

GSM850 Body 190/Area Scan (51x91x1): Measurement grid: dx=15mm, dy=15mm

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (interpolated) = 0.086 mW/g

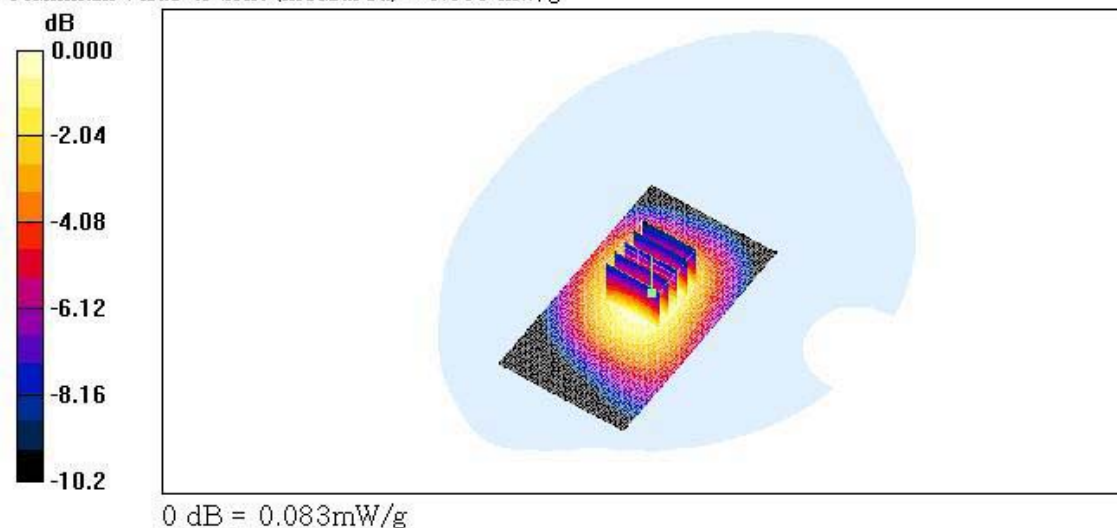**GSM850 Body 190/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 6.59 V/m; Power Drift = 0.178 dB
Peak SAR (extrapolated) = 0.104 W/kg
SAR(1 g) = 0.078 mW/g; SAR(10 g) = 0.055 mW/g

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 0.083 mW/g

0 dB = 0.083mW/g

Test Laboratory: HCT

Company : Smart Networks Limited
Mode : GSM850 (Body) / Channel : 190 (Front)
Liquid Temperature : 22.4 ℃ / Ambient Temperature : 22.8 ℃
Date Tested : June 09, 2006

DUT: SP-115C; Type: Bar; Serial: #1

Communication System: GSM 850; Frequency: 836.6 MHz;Duty Cycle: 1:8.3

Medium parameters used (interpolated): f = 836.6 MHz; σ = 0.96 mho/m; ε_r = 55.5; ρ = 1000 kg/m^3

Phantom section: Flat Section ;Measurement SW: DASY4, V4.6 Build 23

DASY4 Configuration:
- Probe: ET3DV6 - SN1609; ConvF(6.42, 6.42, 6.42); Calibrated: 2006-03-23
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn447; Calibrated: 2005-11-30
- Phantom: SAM 835/900 MHz; Type: SAM

GSM850 Body 190/Area Scan (51x91x1): Measurement grid: dx=15mm, dy=15mm

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (interpolated) = 0.085 mW/g

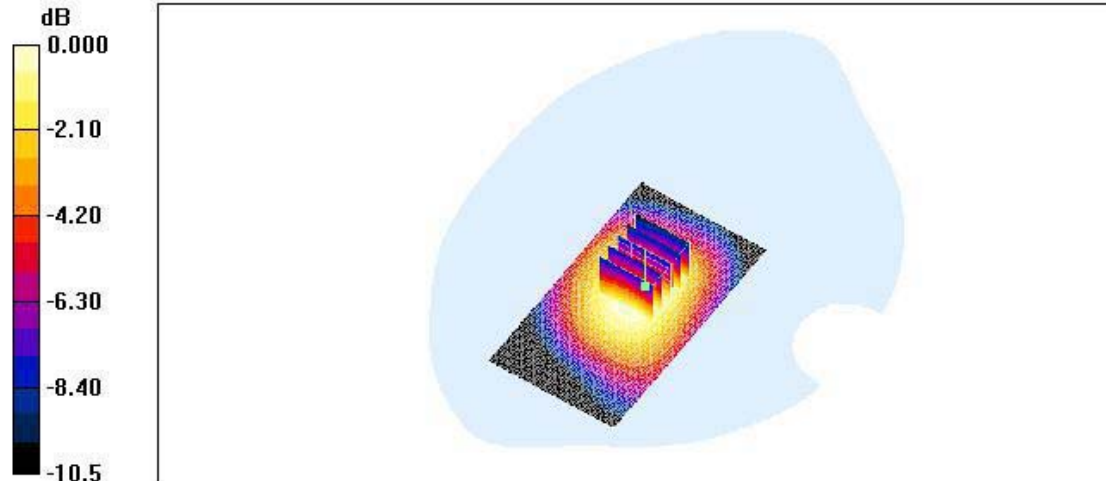**GSM850 Body 190/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 6.65 V/m; Power Drift = −0.046 dB
Peak SAR (extrapolated) = 0.102 W/kg
SAR(1 g) = 0.077 mW/g; SAR(10 g) = 0.054 mW/g

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 0.082 mW/g

0 dB = 0.082mW/g

Test Laboratory: HCT

Company : Smart Networks Limited
Mode : GSM1900 (Body) / Channel : 661
Liquid Temperature : 22.4 ℃ / Ambient Temperature : 22.8 ℃
Date Tested : June 09, 2006
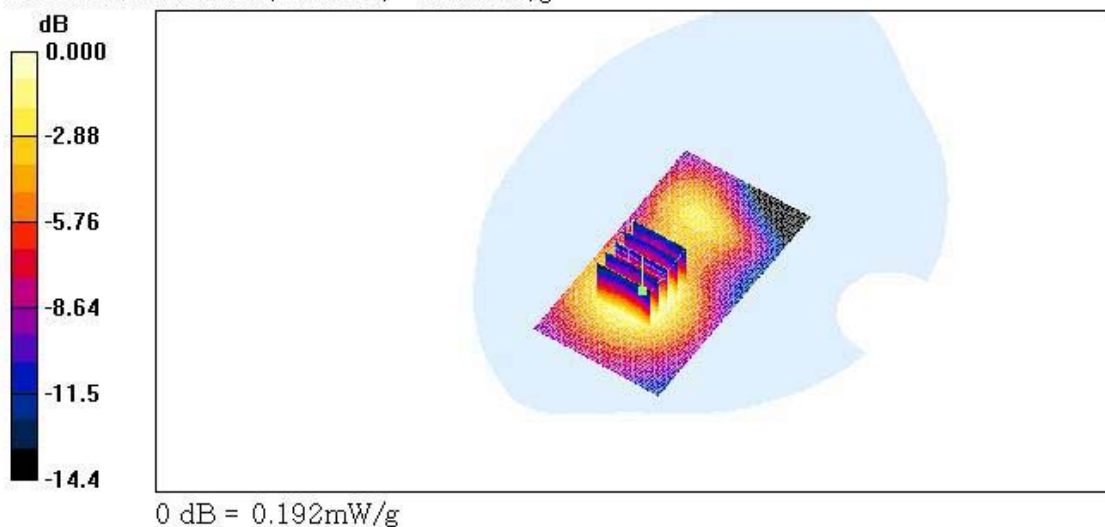
DUT: SP-115C; Type: Bar; Serial: #1

Communication System: GSM 1900; Frequency: 1880 MHz;Duty Cycle: 1:8.3

Medium parameters used: f = 1880 MHz; σ = 1.53 mho/m; ε_r = 52.9; ρ = 1000 kg/m^3

Phantom section: Flat Section ;Measurement SW: DASY4, V4.6 Build 23

DASY4 Configuration:
- Probe: ET3DV6 - SN1609; ConvF(4.63, 4.63, 4.63); Calibrated: 2006-03-23
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn447; Calibrated: 2005-11-30
- Phantom: SAM 1800/1900 MHz; Type: SAM

GSM1900 Body 661/Area Scan (51x91x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.196 mW/g

GSM1900 Body 661/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 7.59 V/m; Power Drift = −0.064 dB
Peak SAR (extrapolated) = 0.259 W/kg
SAR(1 g) = 0.178 mW/g; SAR(10 g) = 0.113 mW/g
Maximum value of SAR (measured) = 0.192 mW/g

0 dB = 0.192mW/g

Test Laboratory: HCT

Company : Smart Networks Limited
Mode : GSM1900 (Body) / Channel : 661 (Front)
Liquid Temperature : 22.4 ℃ / Ambient Temperature : 22.8 ℃
Date Tested : June 09, 2006

DUT: SP-115C; Type: Bar; Serial: #1

Communication System: GSM 1900; Frequency: 1880 MHz; Duty Cycle: 1:8.3

Medium parameters used: f = 1880 MHz; σ = 1.53 mho/m; ε_r = 52.9; ρ = 1000 kg/m^3

Phantom section: Flat Section ;Measurement SW: DASY4, V4.6 Build 23

DASY4 Configuration:
- Probe: ET3DV6 - SN1609; ConvF(4.63, 4.63, 4.63); Calibrated: 2006-03-23
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn447; Calibrated: 2005-11-30
- Phantom: SAM 1800/1900 MHz; Type: SAM

GSM1900 Body 661/Area Scan (51x91x1): Measurement grid: dx=15mm, dy=15mm
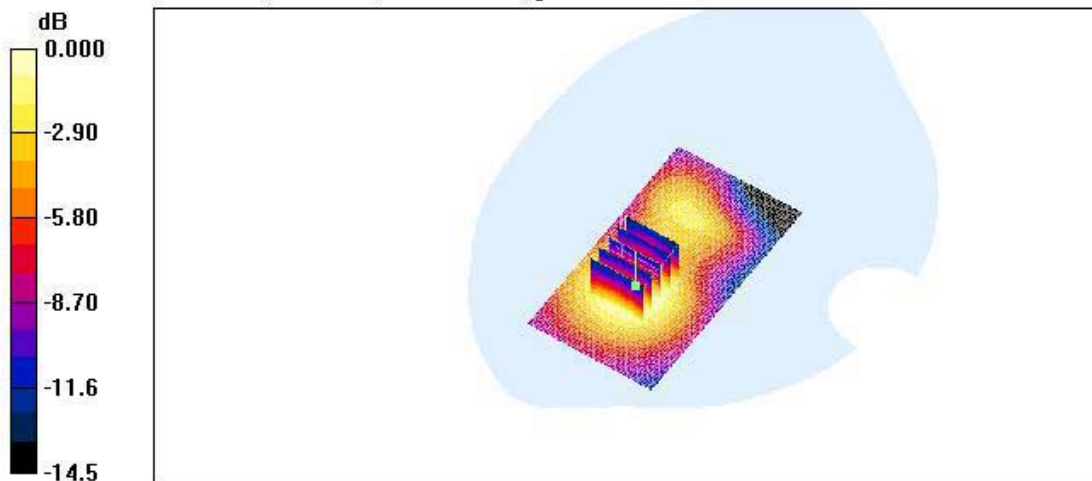Maximum value of SAR (interpolated) = 0.185 mW/g

GSM1900 Body 661/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 7.24 V/m; Power Drift = -0.119 dB
Peak SAR (extrapolated) = 0.243 W/kg
SAR(1 g) = 0.167 mW/g; SAR(10 g) = 0.105 mW/g
Maximum value of SAR (measured) = 0.180 mW/g

0 dB = 0.180mW/g

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Test Laboratory: HCT

Company : Smart Networks Limited
Mode : GSM850 / Channel : 128
Liquid Temperature : 22.4 ° / Ambient Temperature : 22.8 ℃
Date Tested : June 09, 2006

DUT: SP-115C; Type: Bar; Serial: #1

Communication System: GSM 850; Frequency: 824.2 MHz; Duty Cycle: 1:8.3

Medium parameters used: $f = 825$ MHz; $\sigma = 0.866$ mho/m; $\varepsilon_r = 41$; $\rho = 1000$ kg/m^3

Phantom section: Left Section ;Measurement SW: DASY4, V4.6 Build 23

DASY4 Configuration:
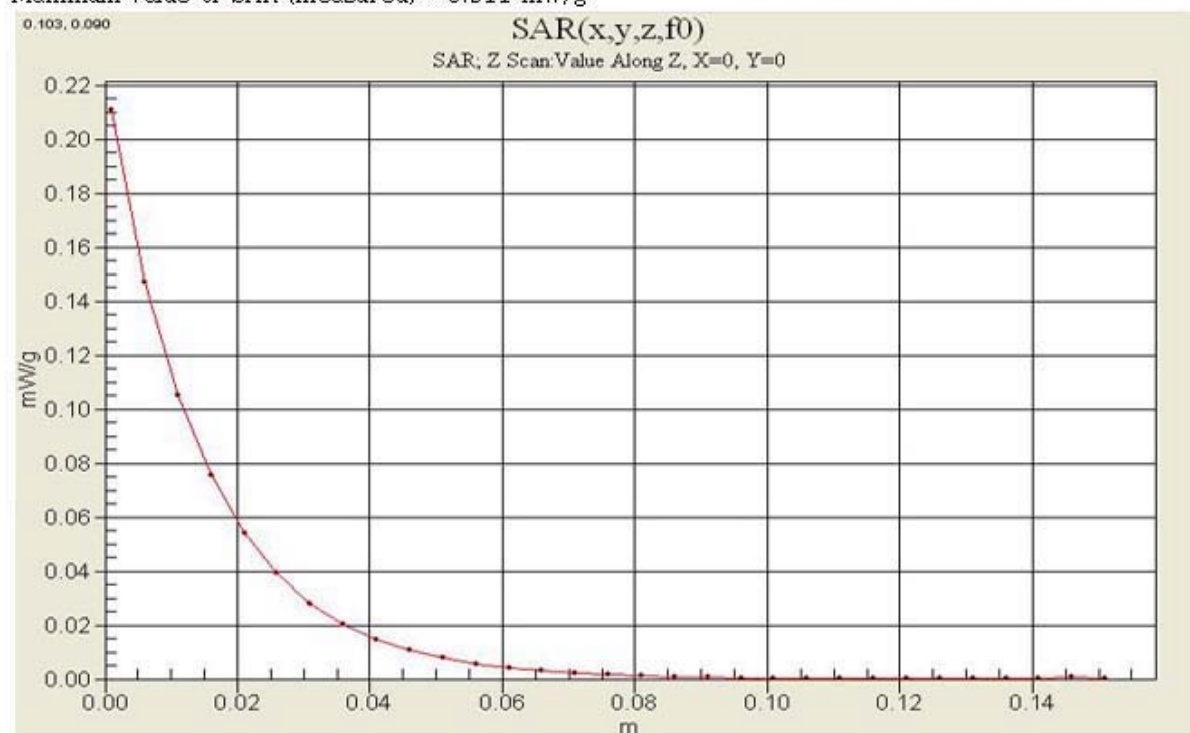- Probe: ET3DV6 - SN1609; ConvF(6.85, 6.85, 6.85); Calibrated: 2006-03-23
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn447; Calibrated: 2005-11-30
- Phantom: SAM 835/900 MHz; Type: SAM

Left touch 128/Z Scan (1x1x31): Measurement grid: dx=20mm, dy=20mm, dz=5mm
Maximum value of SAR (measured) = 0.211 mW/g

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Test Laboratory: HCT

Company : Smart Networks Limited
Mode : GSM850 (Body) / Channel : 190
Liquid Temperature : 22.4 ℃ / Ambient Temperature : 22.8 ℃
Date Tested : June 09, 2006

DUT: SP-115C; Type: Bar; Serial: #1

Communication System: GSM 850; Frequency: 836.6 MHz; Duty Cycle: 1:8.3

Medium parameters used (interpolated): $f = 836.6$ MHz; $\sigma = 0.96$ mho/m; $\varepsilon_r = 55.5$; $\rho = 1000$ kg/m^3

Phantom section: Flat Section ; Measurement SW: DASY4, V4.6 Build 23

DASY4 Configuration:
- Probe: ET3DV6 - SN1609; ConvF(6.42, 6.42, 6.42); Calibrated: 2006-03-23
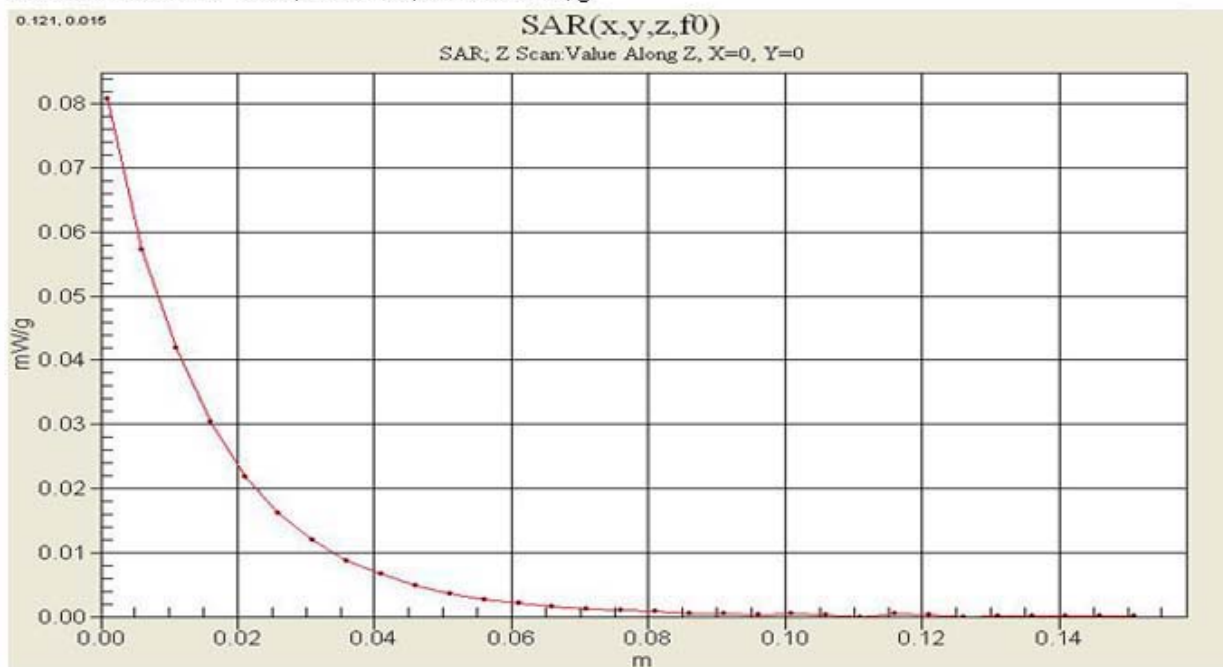- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn447; Calibrated: 2005-11-30
- Phantom: SAM 835/900 MHz; Type: SAM

GSM850 Body 190/Z Scan (1x1x31): Measurement grid: dx=20mm, dy=20mm, dz=5mm

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 0.081 mW/g

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Test Laboratory: HCT

Company : Smart Networks Limited
Mode : GSM1900 / Channel : 512
Liquid Temperature : 22.4 ℃   / Ambient Temperature : 22.8 ℃
Date Tested : June 09, 2006

DUT: SP-115C; Type: Bar; Serial: #1

Communication System: GSM 1900; Frequency: 1850.2 MHz;Duty Cycle: 1:8.3

Medium parameters used (interpolated): $f = 1850.2$ MHz; $\sigma = 1.41$ mho/m; $\varepsilon_r = 38.5$; $\rho = 1000$ kg/m^3

Phantom section: Right Section ;Measurement SW: DASY4, V4.6 Build 23

DASY4 Configuration:
- Probe: ET3DV6 - SN1609; ConvF(5.16, 5.16, 5.16); Calibrated: 2006-03-23
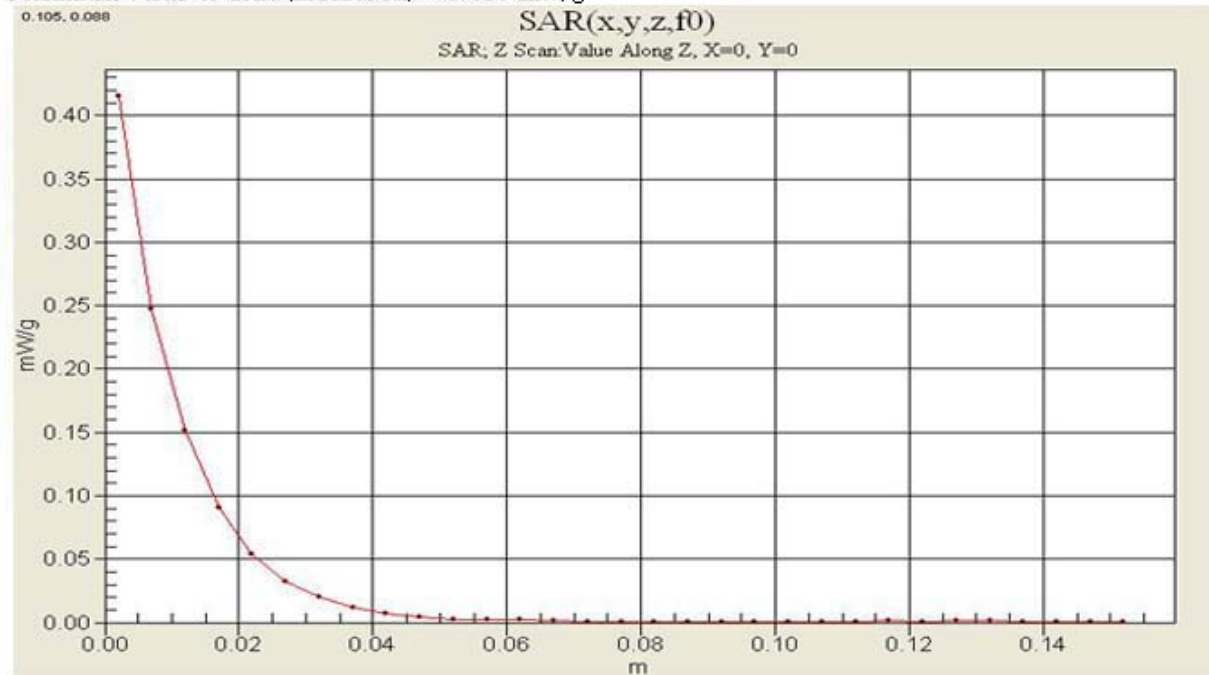- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn447; Calibrated: 2005-11-30
- Phantom: SAM 1800/1900 MHz; Type: SAM

Right touch 512/Z Scan (1x1x31): Measurement grid: dx=20mm, dy=20mm, dz=5mm

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 0.416 mW/g

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Test Laboratory: HCT

Company : Smart Networks Limited
Mode : GSM1900 (Body) / Channel : 661
Liquid Temperature : 22.4 ℃ / Ambient Temperature : 22.8 ℃
Date Tested : June 09, 2006

DUT: SP-115C; Type: Bar; Serial: #1

Communication System: GSM 1900; Frequency: 1880 MHz; Duty Cycle: 1:8.3

Medium parameters used: $f = 1880$ MHz; $\sigma = 1.53$ mho/m; $\varepsilon_r = 52.9$; $\rho = 1000$ kg/m^3

Phantom section: Flat Section ; Measurement SW: DASY4, V4.6 Build 23

DASY4 Configuration:
- Probe: ET3DV6 - SN1609; ConvF(4.63, 4.63, 4.63); Calibrated: 2006-03-23
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn447; Calibrated: 2005-11-30
- Phantom: SAM 1800/1900 MHz; Type: SAM

GSM1900 Body 661/Z Scan (1x1x31): Measurement grid: dx=20mm, dy=20mm, dz=5mm
Maximum value of SAR (measured) = 0.183 mW/g

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