

## ATTACHMENT O – SAR TEST PLOTS -1/2-

Test Laboratory: HCT

Company : Smart Networks Limited

Mode : GSM850 / Channel : 128

Liquid Temperature : 22.4 °C / Ambient Temperature : 22.8 °C

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;  $\epsilon_r = 41$ ;  $\rho = 1000$  kg/m<sup>3</sup>

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: 4mm (Mechanical Surface Detection)

- Electronics: DAE4 Sn447; Calibrated: 2005-11-30

- Phantom: SAM 835/900 MHz; Type: SAM

**Left touch 128/Area Scan (51x81x1):** Measurement grid:  $dx=15$ mm,  $dy=15$ mm

Maximum value of SAR (interpolated) = 0.229 mW/g

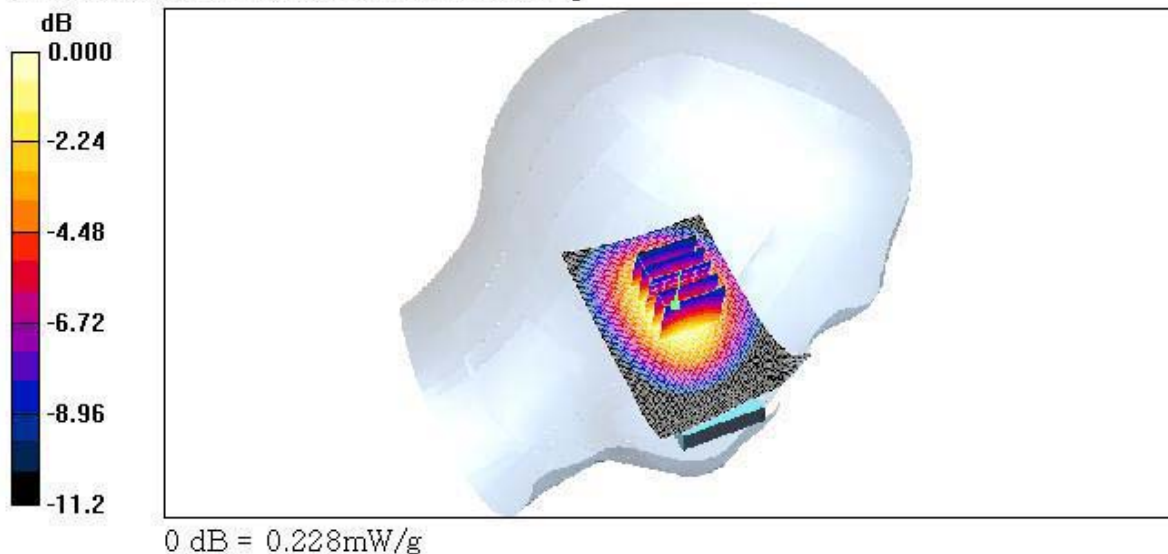
**Left touch 128/Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8$ mm,  $dy=8$ mm,  $dz=5$ mm

Reference Value = 13.3 V/m; Power Drift = -0.091 dB

Peak SAR (extrapolated) = 0.292 W/kg

**SAR(1 g) = 0.212 mW/g; SAR(10 g) = 0.144 mW/g**

Maximum value of SAR (measured) = 0.228 mW/g



Test Laboratory: HCT

Company : Smart Networks Limited

Mode : GSM850 / Channel : 190

Liquid Temperature : 22.4 °C / Ambient Temperature : 22.8 °C

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;  $\sigma = 0.877$  mho/m;  $\epsilon_r = 40.9$ ;  $\rho = 1000$  kg/m<sup>3</sup>

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: 4mm (Mechanical Surface Detection)

- Electronics: DAE4 Sn447; Calibrated: 2005-11-30

- Phantom: SAM 835/900 MHz; Type: SAM

Left touch 190/Area Scan (51x81x1): Measurement grid:  $dx=15$ mm,  $dy=15$ mm

Info: Interpolated medium parameters used for SAR evaluation.

Maximum value of SAR (interpolated) = 0.200 mW/g

Left touch 190/Zoom Scan (5x5x7)/Cube 0: Measurement grid:  $dx=8$ mm,  $dy=8$ mm,  $dz=5$ mm

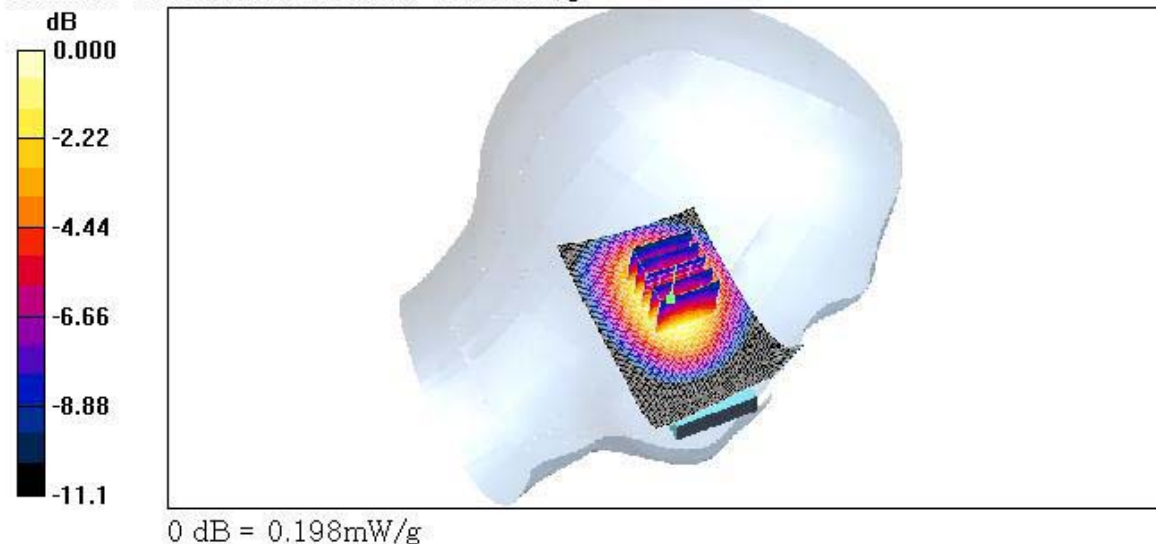
Reference Value = 12.2 V/m; Power Drift = -0.034 dB

Peak SAR (extrapolated) = 0.252 W/kg

**SAR(1 g) = 0.184 mW/g; SAR(10 g) = 0.124 mW/g**

Info: Interpolated medium parameters used for SAR evaluation.

Maximum value of SAR (measured) = 0.198 mW/g



Test Laboratory: HCT

Company : Smart Networks Limited

Mode : GSM850 / Channel : 251

Liquid Temperature : 22.4 °C / Ambient Temperature : 22.8 °C

Date Tested : June 09, 2006

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

Communication System: GSM 850; Frequency: 849.8 MHz; Duty Cycle: 1:8.3

Medium parameters used:  $f = 850$  MHz;  $\sigma = 0.889$  mho/m;  $\epsilon_r = 40.8$ ;  $\rho = 1000$  kg/m<sup>3</sup>

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: 4mm (Mechanical Surface Detection)

- Electronics: DAE4 Sn447; Calibrated: 2005-11-30

- Phantom: SAM 835/900 MHz; Type: SAM

**Left touch 251/Area Scan (51x81x1):** Measurement grid:  $dx=15$ mm,  $dy=15$ mm

Maximum value of SAR (interpolated) = 0.192 mW/g

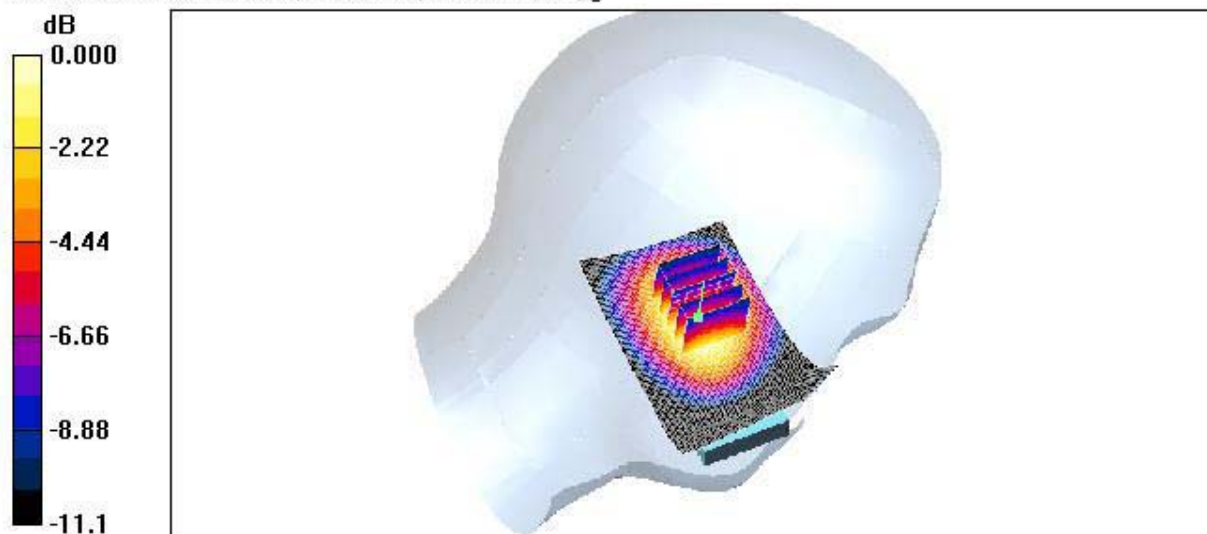
**Left touch 251/Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8$ mm,  $dy=8$ mm,  $dz=5$ mm

Reference Value = 11.9 V/m; Power Drift = -0.117 dB

Peak SAR (extrapolated) = 0.237 W/kg

**SAR(1 g) = 0.176 mW/g; SAR(10 g) = 0.120 mW/g**

Maximum value of SAR (measured) = 0.188 mW/g



0 dB = 0.188mW/g

Test Laboratory: HCT

Company : Smart Networks Limited

Mode : GSM850 / Channel : 128

Liquid Temperature : 22.4 °C / Ambient Temperature : 22.8 °C

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;  $\epsilon_r = 41$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Right 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: 4mm (Mechanical Surface Detection)

- Electronics: DAE4 Sn447; Calibrated: 2005-11-30

- Phantom: SAM 835/900 MHz; Type: SAM

**Right touch 128/Area Scan (51x81x1):** Measurement grid:  $dx=15$ mm,  $dy=15$ mm

Maximum value of SAR (interpolated) = 0.210 mW/g

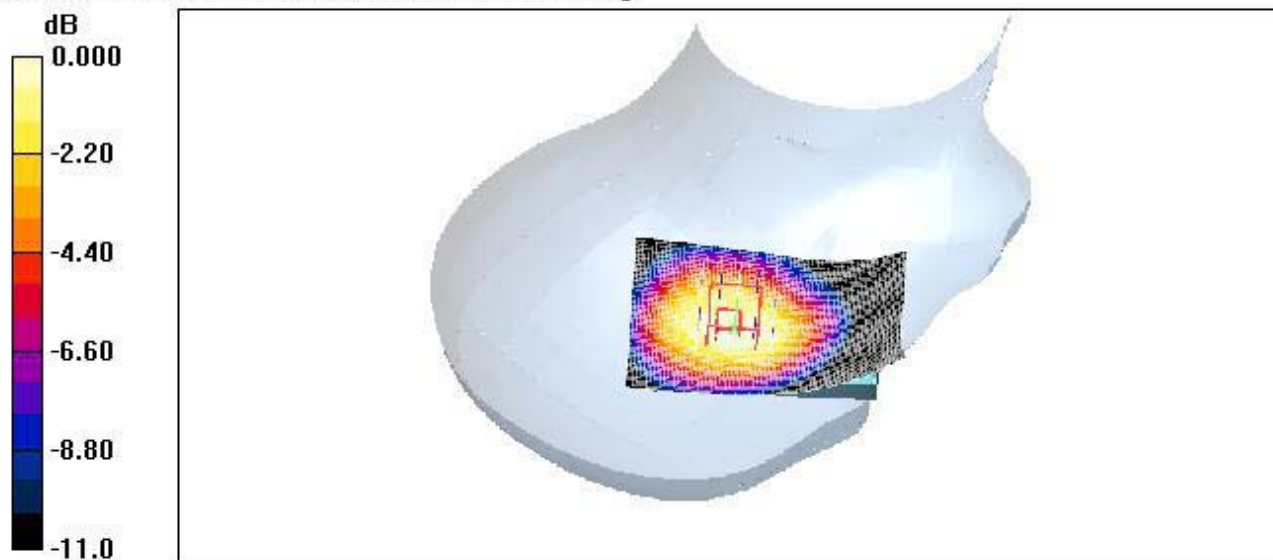
**Right touch 128/Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8$ mm,  $dy=8$ mm,  $dz=5$ mm

Reference Value = 12.9 V/m; Power Drift = -0.143 dB

Peak SAR (extrapolated) = 0.276 W/kg

**SAR(1 g) = 0.196 mW/g; SAR(10 g) = 0.132 mW/g**

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



0 dB = 0.208mW/g

Test Laboratory: HCT

Company : Smart Networks Limited

Mode : GSM850 / Channel :190

Liquid Temperature : 22.4 °C / Ambient Temperature : 22.8 °C

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;  $\sigma = 0.877$  mho/m;  $\epsilon_r = 40.9$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Right 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: 4mm (Mechanical Surface Detection)

- Electronics: DAE4 Sn447; Calibrated: 2005-11-30

- Phantom: SAM 835/900 MHz; Type: SAM

**Right touch 190/Area Scan (51x81x1):** Measurement grid:  $\Delta x = 15$ mm,  $\Delta y = 15$ mm

Info: Interpolated medium parameters used for SAR evaluation.

Maximum value of SAR (interpolated) = 0.182 mW/g

**Right touch 190/Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $\Delta x = 8$ mm,  $\Delta y = 8$ mm,  $\Delta z = 5$ mm

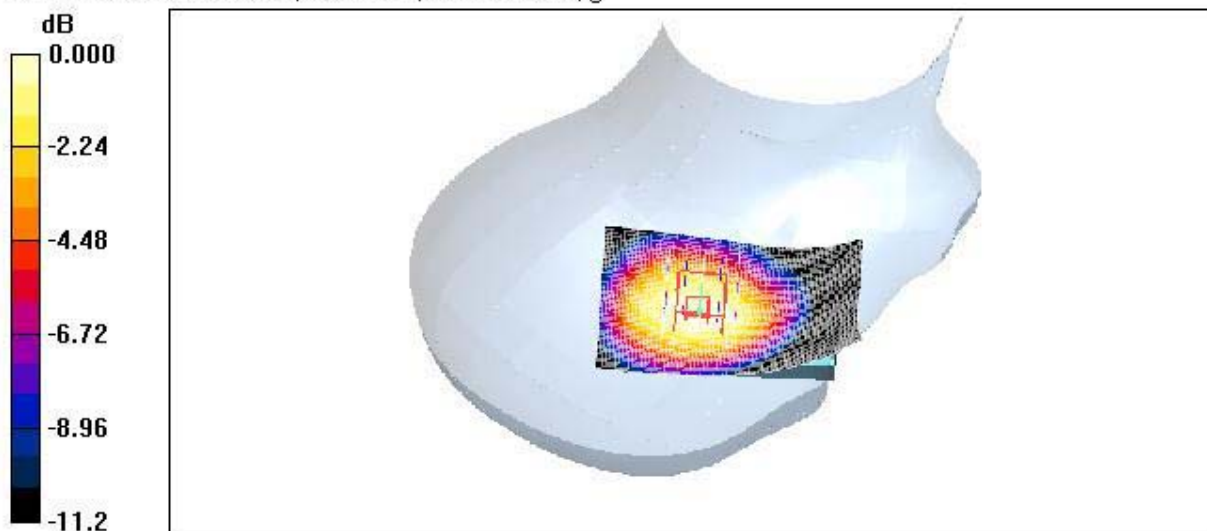
Reference Value = 12.0 V/m; Power Drift = -0.118 dB

Peak SAR (extrapolated) = 0.228 W/kg

**SAR(1 g) = 0.167 mW/g; SAR(10 g) = 0.114 mW/g**

Info: Interpolated medium parameters used for SAR evaluation.

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



0 dB = 0.178mW/g

Test Laboratory: HCT

Company : Smart Networks Limited

Mode : GSM850 / Channel : 251

Liquid Temperature : 22.4 °C / Ambient Temperature : 22.8 °C

Date Tested : June 09, 2006

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

Communication System: GSM 850; Frequency: 849.8 MHz; Duty Cycle: 1:8.3

Medium parameters used:  $f = 850$  MHz;  $\sigma = 0.889$  mho/m;  $\epsilon_r = 40.8$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Right 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: 4mm (Mechanical Surface Detection)

- Electronics: DAE4 Sn447; Calibrated: 2005-11-30

- Phantom: SAM 835/900 MHz; Type: SAM

**Right touch 251/Area Scan (51x81x1):** Measurement grid:  $\Delta x = 15$ mm,  $\Delta y = 15$ mm

Maximum value of SAR (interpolated) = 0.172 mW/g

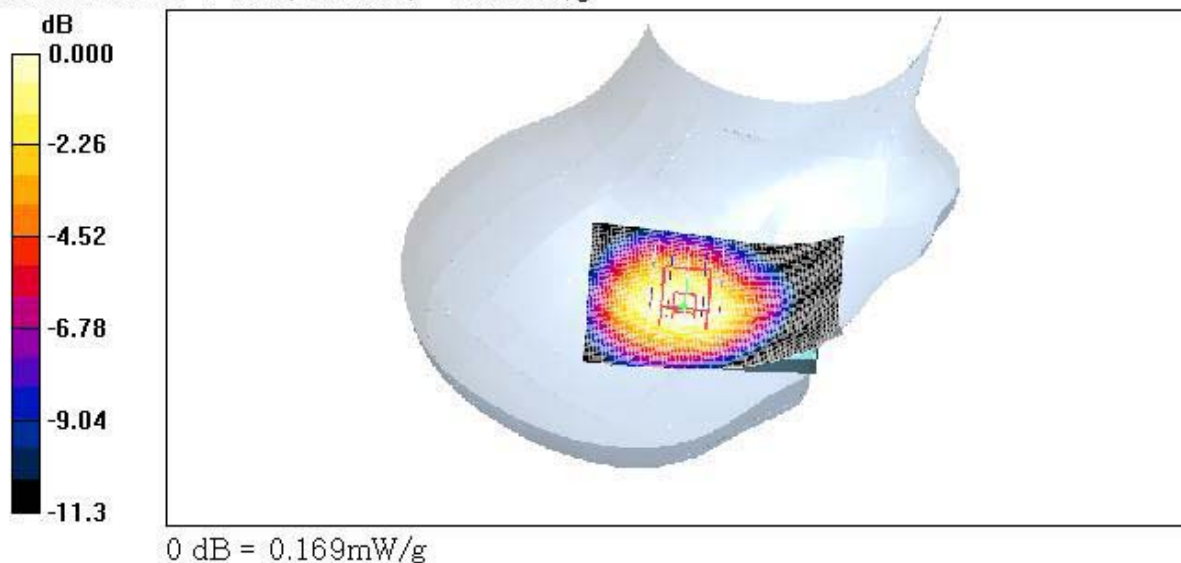
**Right touch 251/Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $\Delta x = 8$ mm,  $\Delta y = 8$ mm,  $\Delta z = 5$ mm

Reference Value = 11.4 V/m; Power Drift = 0.005 dB

Peak SAR (extrapolated) = 0.214 W/kg

**SAR(1 g) = 0.158 mW/g; SAR(10 g) = 0.107 mW/g**

Maximum value of SAR (measured) = 0.169 mW/g



Test Laboratory: HCT

Company : Smart Networks Limited

Mode : GSM850 / Channel : 190

Liquid Temperature : 22.4 °C / Ambient Temperature : 22.8 °C

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;  $\sigma = 0.877$  mho/m;  $\epsilon_r = 40.9$ ;  $\rho = 1000$  kg/m<sup>3</sup>

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: 4mm (Mechanical Surface Detection)

- Electronics: DAE4 Sn447; Calibrated: 2005-11-30

- Phantom: SAM 835/900 MHz; Type: SAM

**Left tilt 190/Area Scan (51x81x1):** Measurement grid:  $dx=15$ mm,  $dy=15$ mm

Info: Interpolated medium parameters used for SAR evaluation.

Maximum value of SAR (interpolated) = 0.086 mW/g

**Left tilt 190/Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8$ mm,  $dy=8$ mm,  $dz=5$ mm

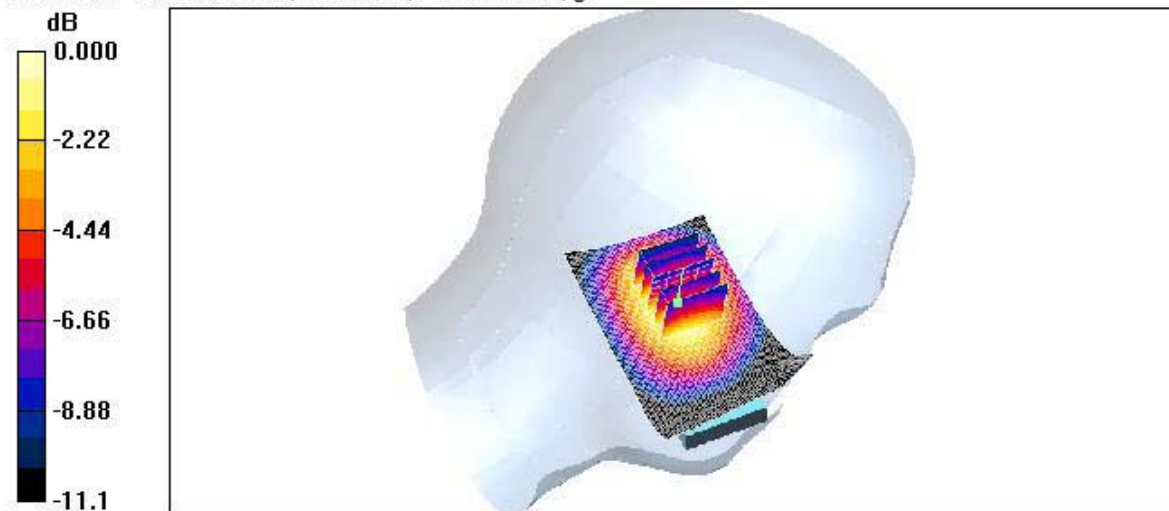
Reference Value = 8.75 V/m; Power Drift = -0.131 dB

Peak SAR (extrapolated) = 0.110 W/kg

**SAR(1 g) = 0.080 mW/g; SAR(10 g) = 0.054 mW/g**

Info: Interpolated medium parameters used for SAR evaluation.

Maximum value of SAR (measured) = 0.086 mW/g



Test Laboratory: HCT

Company : Smart Networks Limited

Mode : GSM850 / Channel : 190

Liquid Temperature : 22.4 °C / Ambient Temperature : 22.8 °C

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;  $\sigma = 0.877$  mho/m;  $\epsilon_r = 40.9$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Right 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: 4mm (Mechanical Surface Detection)

- Electronics: DAE4 Sn447; Calibrated: 2005-11-30

- Phantom: SAM 835/900 MHz; Type: SAM

**Right tilt 190/Area Scan (51x81x1):** Measurement grid:  $dx=15$ mm,  $dy=15$ mm

Info: Interpolated medium parameters used for SAR evaluation.

Maximum value of SAR (interpolated) = 0.092 mW/g

**Right tilt 190/Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8$ mm,  $dy=8$ mm,  $dz=5$ mm

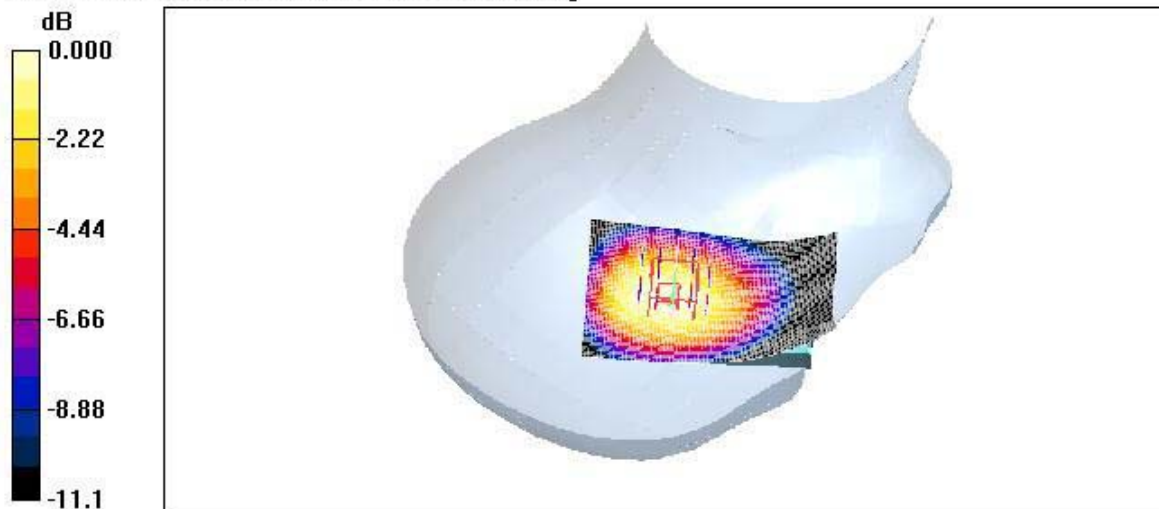
Reference Value = 9.70 V/m; Power Drift = 0.167 dB

Peak SAR (extrapolated) = 0.120 W/kg

**SAR(1 g) = 0.087 mW/g; SAR(10 g) = 0.059 mW/g**

Info: Interpolated medium parameters used for SAR evaluation.

Maximum value of SAR (measured) = 0.092 mW/g



0 dB = 0.092mW/g