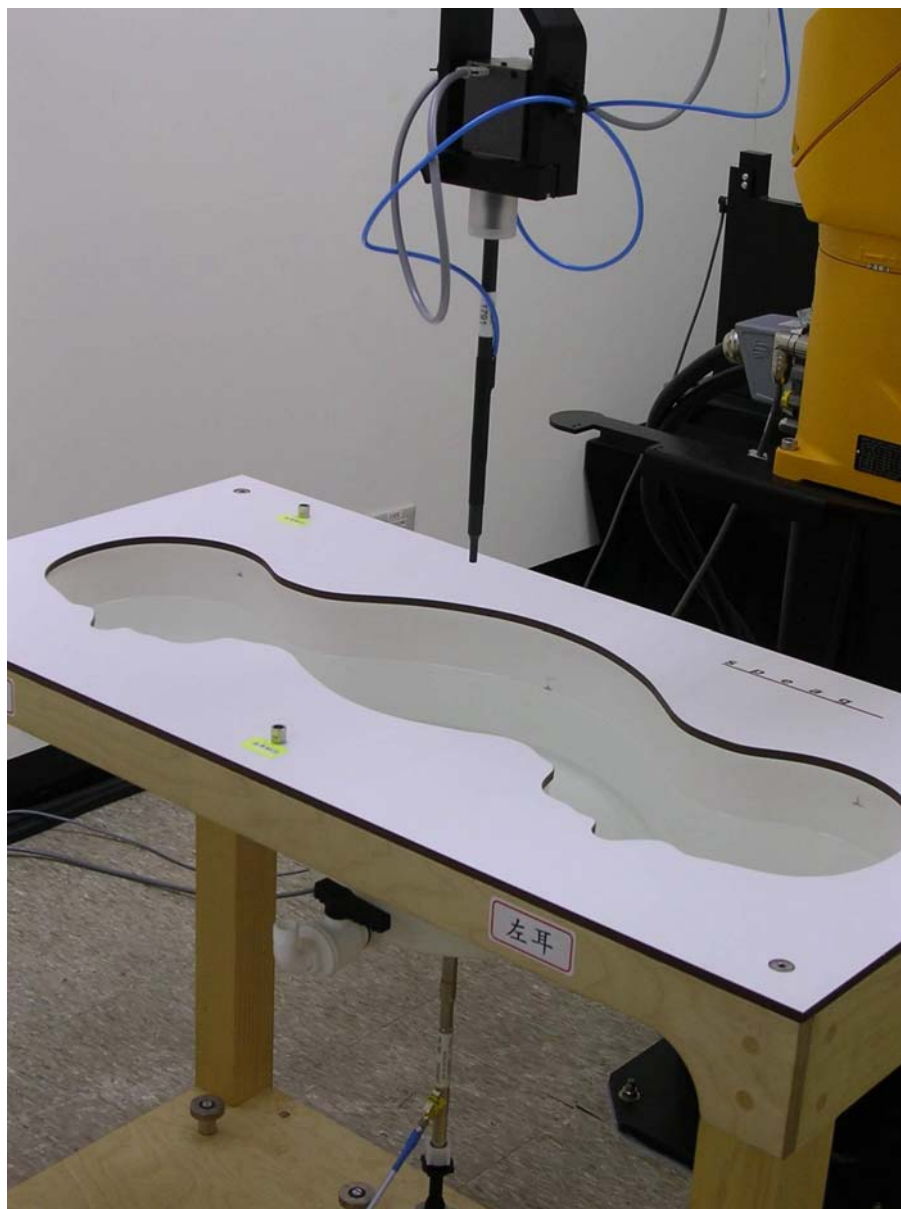


## System Performance Check

### Body



**GSM 850MHz**

Date/Time: 6/29/2007 10:09:44 AM

Test Laboratory: Electronics Testing Center, Taiwan

**DUT: Dipole 900 MHz; Type: D900V2; Serial: D900V2 - SN:xxx**

Communication System: CW; Frequency: 900 MHz; Duty Cycle: 1:1

Medium parameters used:  $f = 900 \text{ MHz}$ ;  $\sigma = 1.018 \text{ mho/m}$ ;  $\epsilon_r = 54.4$ ;  $\rho = 1000 \text{ kg/m}^3$ 

Air temperature: 27 degC; Liquid temperature: 22.3 degC;

Phantom section: Flat Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1791; ConvF(6.3, 6.3, 6.3); Calibrated: 9/19/2006
- Sensor-Surface: 4mm (Mechanical And Optical Surface Detection)
- Electronics: DAE4 Sn629;
- Phantom: SAM 12-2; Type: SAM4.0; Serial: TP-1347
- Measurement SW: DASY4, V4.6 Build 23; Postprocessing SW: SEMCAD, V1.8 Build 160

**SPC/Area Scan (31x121x1):** Measurement grid:  $dx=15\text{mm}$ ,  $dy=15\text{mm}$ 

Maximum value of SAR (interpolated) = 2.92 mW/g

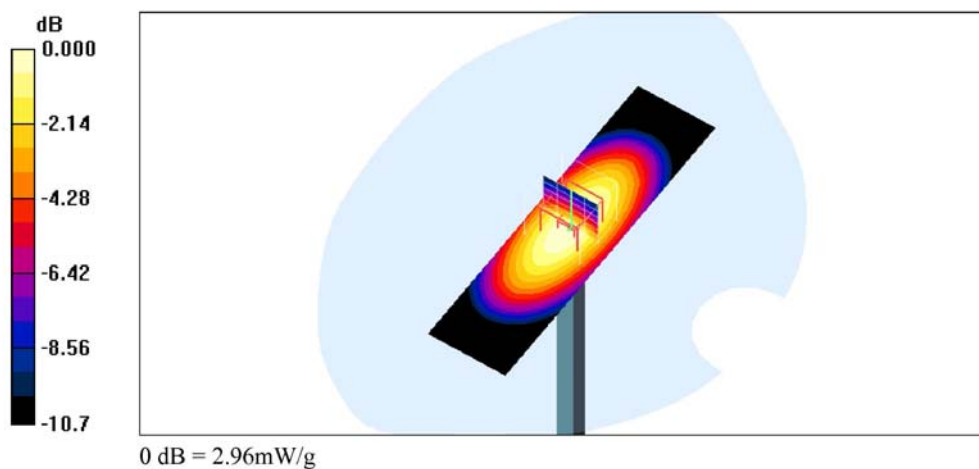
**SPC/Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8\text{mm}$ ,  $dy=8\text{mm}$ ,  $dz=5\text{mm}$ 

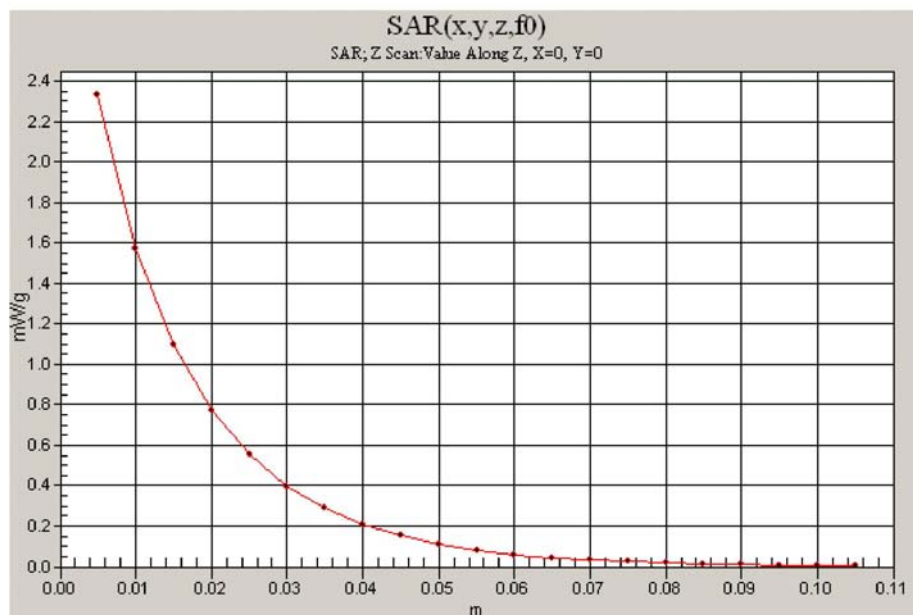
Reference Value = 56.3 V/m; Power Drift = -0.109 dB

Peak SAR (extrapolated) = 3.98 W/kg

**SAR(1 g) = 2.72 mW/g; SAR(10 g) = 1.77 mW/g**

Maximum value of SAR (measured) = 2.96 mW/g





**GSM 1900MHz**

Date/Time: 6/4/2007 9:31:32 AM

Test Laboratory: Electronics Testing Center, Taiwan

**DUT: Dipole 1900 MHz; Type: D1900V2; Serial: D1900V2 - SN:xxx**

Communication System: CW; Frequency: 1900 MHz; Duty Cycle: 1:1

Medium parameters used:  $f = 1900.1$  MHz;  $\sigma = 1.52$  mho/m;  $\epsilon_r = 55.8$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Air temperature: 25 degC; Liquid temperature: 21.1 degC;

Phantom section: Flat Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1791; ConvF(4.5, 4.5, 4.5); Calibrated: 9/19/2006
- Sensor-Surface: 4mm (Mechanical And Optical Surface Detection)
- Electronics: DAE4 Sn629;
- Phantom: SAM 12-2; Type: SAM4.0; Serial: TP-1347
- Measurement SW: DASY4, V4.6 Build 23; Postprocessing SW: SEMCAD, V1.8 Build 160

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

Reference Value = 92.5 V/m; Power Drift = -0.034 dB

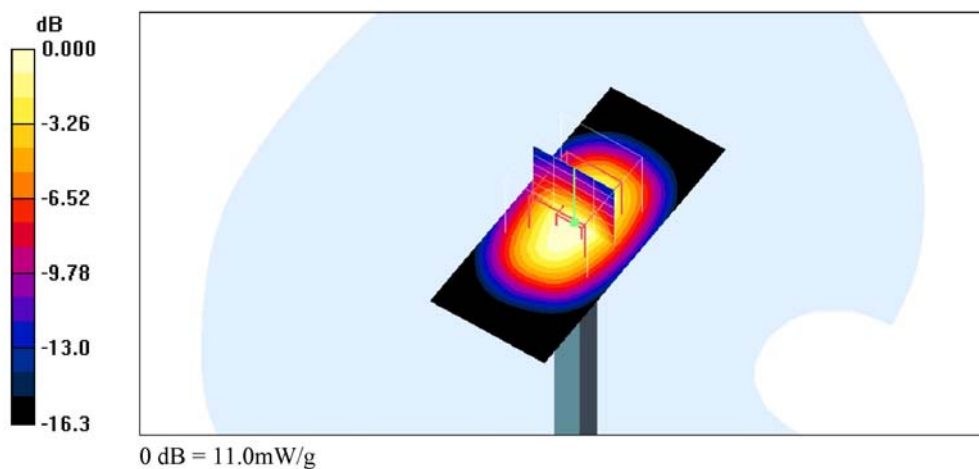
Peak SAR (extrapolated) = 15.5 W/kg

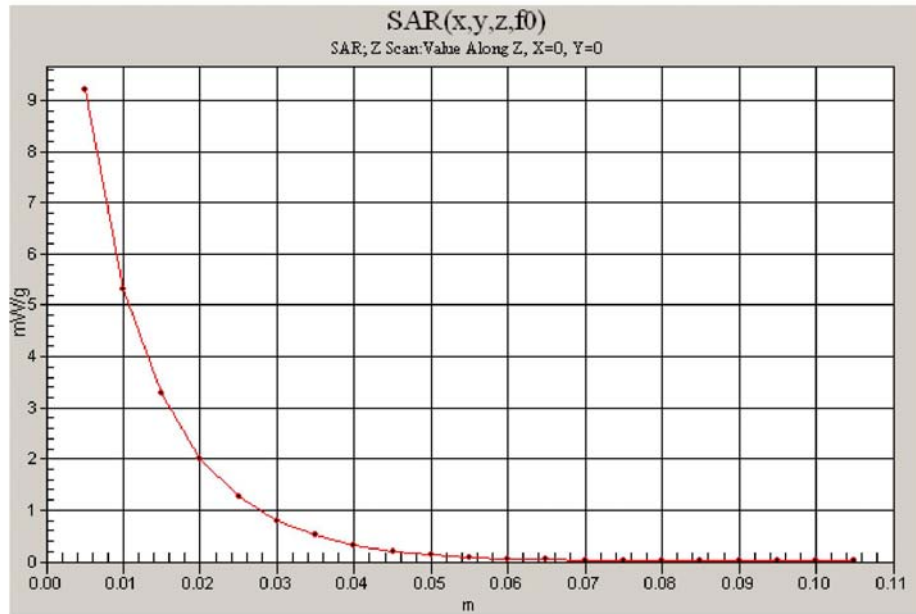
**SAR(1 g) = 9.77 mW/g; SAR(10 g) = 5.34 mW/g**

Maximum value of SAR (measured) = 11.0 mW/g

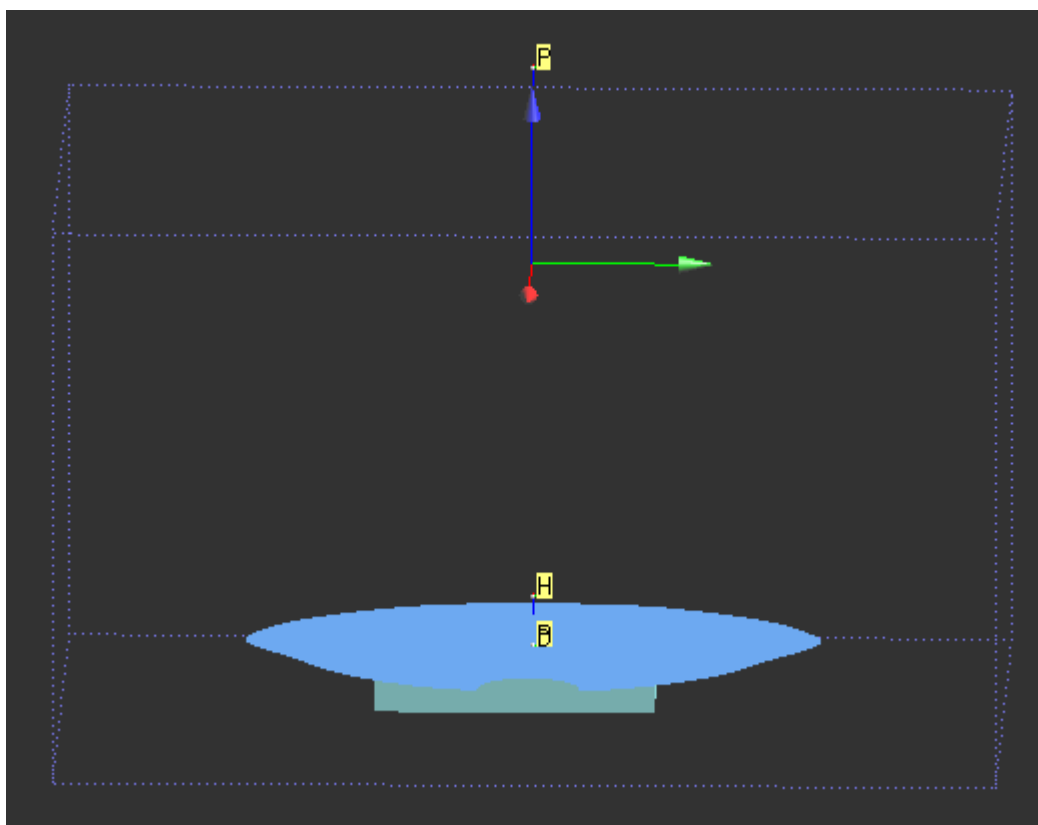
**SPC/Area Scan (31x71x1):** Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 12.7 mW/g





## GSM 850MHz - Body



**Front-UP**

Date/Time: 6/29/2007 1:31:11 PM

Test Laboratory: Electronics Testing Center, Taiwan

**DUT: GPRS SPT100; Type: SPT100; Serial: N/A**

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

Medium parameters used (interpolated):  $f = 836.6$  MHz;  $\sigma = 0.958$  mho/m;  $\epsilon_r = 54.9$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Air temperature: 27 degC; Liquid temperature: 22.3 degC;

Phantom section: Flat Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1791; ConvF(6.3, 6.3, 6.3); Calibrated: 9/19/2006

- Sensor-Surface: 4mm (Mechanical And Optical Surface Detection)

- Electronics: DAE4 Sn629;

- Phantom: SAM 12-2; Type: SAM4.0; Serial: TP-1347

- Measurement SW: DASY4, V4.6 Build 23; Postprocessing SW: SEMCAD, V1.8 Build 160

**Front-MID-GSM/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 9.46 V/m; Power Drift = -0.009 dB

Peak SAR (extrapolated) = 0.434 W/kg

**SAR(1 g) = 0.244 mW/g; SAR(10 g) = 0.143 mW/g**

Info: Interpolated medium parameters used for SAR evaluation.

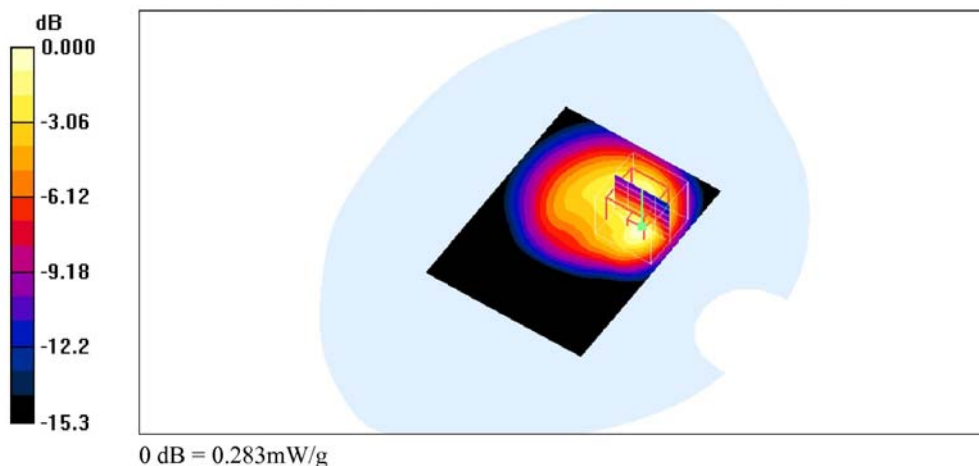
Warning: Maximum averaged SAR over 10 g is located on the boundary of the measurement cube. This cube might not incorporate the absolute averaged SAR. Please consider a refinement of the Area Scan measurement.

Maximum value of SAR (measured) = 0.283 mW/g

**Front-MID-GSM/Area Scan (61x81x1):** Measurement grid: dx=15mm, dy=15mm

Info: Interpolated medium parameters used for SAR evaluation.

Maximum value of SAR (interpolated) = 0.271 mW/g



**Front-UP**

Date/Time: 6/29/2007 1:46:54 PM

Test Laboratory: Electronics Testing Center, Taiwan

**DUT: GPRS SPT100; Type: SPT100; Serial: N/A**

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

Medium parameters used (interpolated):  $f = 836.6$  MHz;  $\sigma = 0.958$  mho/m;  $\epsilon_r = 54.9$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Air temperature: 27 degC; Liquid temperature: 22.3 degC;

Phantom section: Flat Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1791; ConvF(6.3, 6.3, 6.3); Calibrated: 9/19/2006

- Sensor-Surface: 4mm (Mechanical And Optical Surface Detection)

- Electronics: DAE4 Sn629;

- Phantom: SAM 12-2; Type: SAM4.0; Serial: TP-1347

- Measurement SW: DASY4, V4.6 Build 23; Postprocessing SW: SEMCAD, V1.8 Build 160

**Front-MID-GPRS/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 9.41 V/m; Power Drift = 0.003 dB

Peak SAR (extrapolated) = 0.443 W/kg

**SAR(1 g) = 0.246 mW/g; SAR(10 g) = 0.144 mW/g**

Info: Interpolated medium parameters used for SAR evaluation.

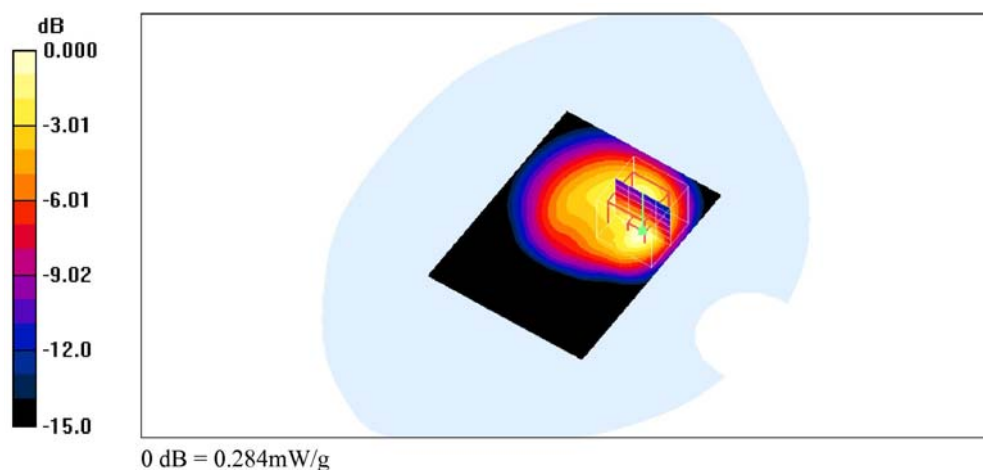
Warning: Maximum averaged SAR over 10 g is located on the boundary of the measurement cube. This cube might not incorporate the absolute averaged SAR. Please consider a refinement of the Area Scan measurement.

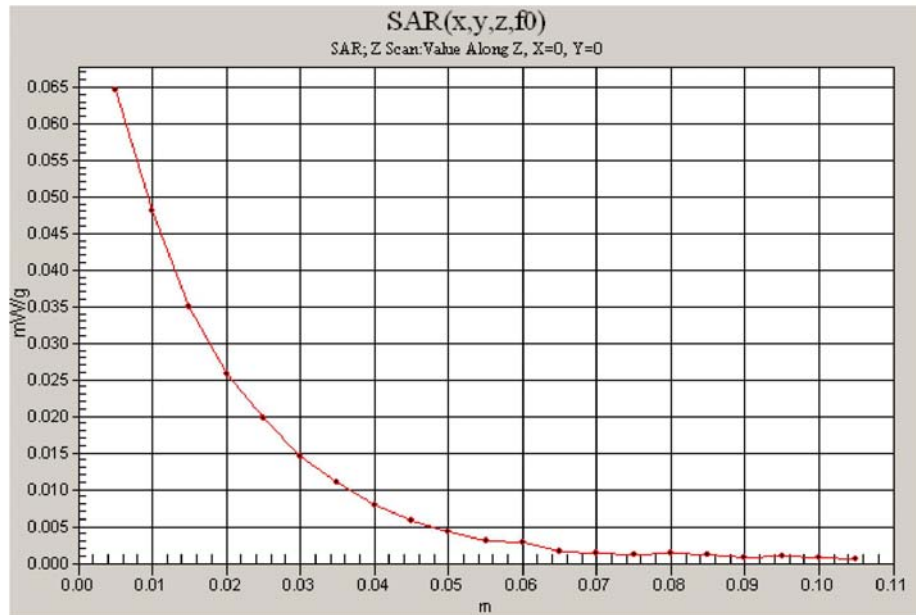
Maximum value of SAR (measured) = 0.284 mW/g

**Front-MID-GPRS/Area Scan (61x81x1):** Measurement grid: dx=15mm, dy=15mm

Info: Interpolated medium parameters used for SAR evaluation.

Maximum value of SAR (interpolated) = 0.273 mW/g





**Rear-UP**

Date/Time: 6/29/2007 1:58:21 PM

Test Laboratory: Electronics Testing Center, Taiwan

**DUT: GPRS SPT100; Type: SPT100; Serial: N/A**

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

Medium parameters used (interpolated):  $f = 836.6$  MHz;  $\sigma = 0.958$  mho/m;  $\epsilon_r = 54.9$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Air temperature: 27 degC; Liquid temperature: 22.3 degC;

Phantom section: Flat Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1791; ConvF(6.3, 6.3, 6.3); Calibrated: 9/19/2006

- Sensor-Surface: 4mm (Mechanical And Optical Surface Detection)

- Electronics: DAE4 Sn629;

- Phantom: SAM 12-2; Type: SAM4.0; Serial: TP-1347

- Measurement SW: DASY4, V4.6 Build 23; Postprocessing SW: SEMCAD, V1.8 Build 160

**Rear-MID-GPRS/Area Scan (61x81x1):** Measurement grid: dx=15mm, dy=15mm[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (interpolated) = 0.063 mW/g

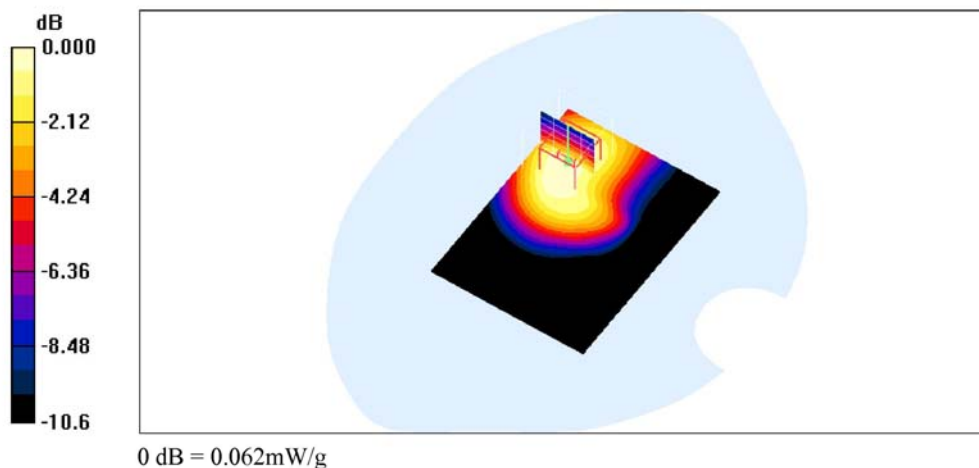
**Rear-MID-GPRS/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 5.36 V/m; Power Drift = -0.151 dB

Peak SAR (extrapolated) = 0.084 W/kg

**SAR(1 g) = 0.058 mW/g; SAR(10 g) = 0.039 mW/g**[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (measured) = 0.062 mW/g



**Front-UP**

Date/Time: 6/29/2007 2:23:13 PM

Test Laboratory: Electronics Testing Center, Taiwan

**DUT: GPRS SPT100; Type: SPT100; Serial: N/A**

Communication System: GSM 850MHz; Frequency: 848.8 MHz; Duty Cycle: 1:8.3

Medium parameters used:  $f = 849$  MHz;  $\sigma = 0.969$  mho/m;  $\epsilon_r = 54.8$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Air temperature: 27 degC; Liquid temperature: 22.3 degC;

Phantom section: Flat Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1791; ConvF(6.3, 6.3, 6.3); Calibrated: 9/19/2006

- Sensor-Surface: 4mm (Mechanical And Optical Surface Detection)

- Electronics: DAE4 Sn629;

- Phantom: SAM 12-2; Type: SAM4.0; Serial: TP-1347

- Measurement SW: DASY4, V4.6 Build 23; Postprocessing SW: SEMCAD, V1.8 Build 160

**Front-HIGH-GPRS/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 9.19 V/m; Power Drift = 0.056 dB

Peak SAR (extrapolated) = 0.411 W/kg

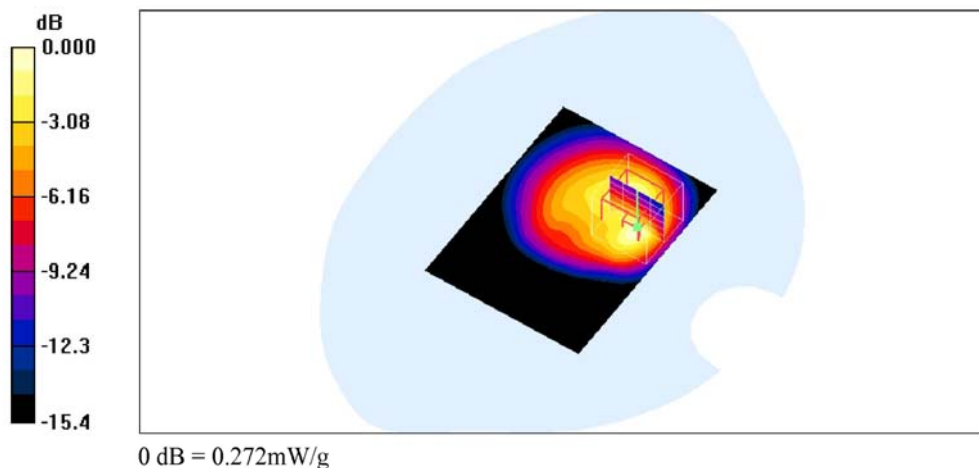
**SAR(1 g) = 0.233 mW/g; SAR(10 g) = 0.136 mW/g**

Warning: Maximum averaged SAR over 10 g is located on the boundary of the measurement cube. This cube might not incorporate the absolute averaged SAR. Please consider a refinement of the Area Scan measurement.

Maximum value of SAR (measured) = 0.272 mW/g

**Front-HIGH-GPRS/Area Scan (61x81x1):** Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.262 mW/g



## Front-UP

Date/Time: 6/29/2007 2:35:59 PM

Test Laboratory: Electronics Testing Center, Taiwan

**DUT: GPRS SPT100; Type: SPT100; Serial: N/A**

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

Medium parameters used (interpolated):  $f = 824.2$  MHz;  $\sigma = 0.947$  mho/m;  $\epsilon_r = 55$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Air temperature: 27 degC; Liquid temperature: 22.3 degC;

Phantom section: Flat Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1791; ConvF(6.3, 6.3, 6.3); Calibrated: 9/19/2006

- Sensor-Surface: 4mm (Mechanical And Optical Surface Detection)

- Electronics: DAE4 Sn629;

- Phantom: SAM 12-2; Type: SAM4.0; Serial: TP-1347

- Measurement SW: DASY4, V4.6 Build 23; Postprocessing SW: SEMCAD, V1.8 Build 160

**Front-LOW-GPRS/Area Scan (61x81x1):** Measurement grid: dx=15mm, dy=15mm

Info: Interpolated medium parameters used for SAR evaluation.

Maximum value of SAR (interpolated) = 0.252 mW/g

**Front-LOW-GPRS/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 9.43 V/m; Power Drift = -0.110 dB

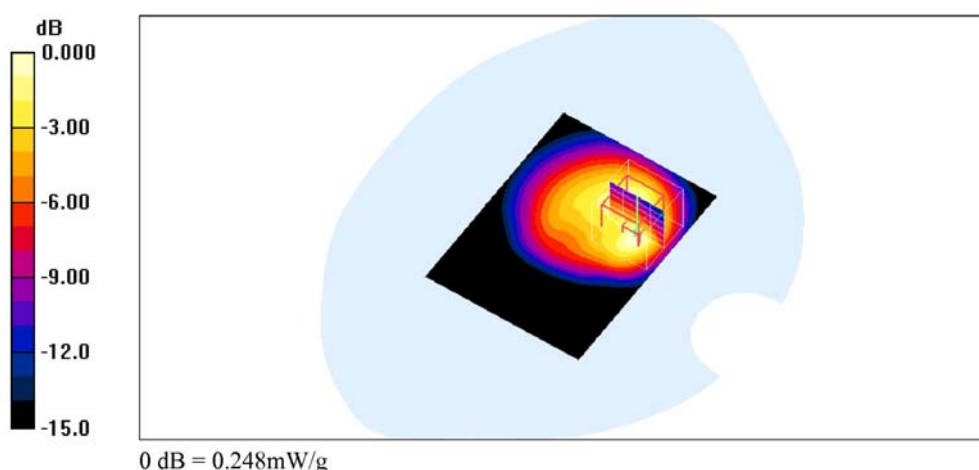
Peak SAR (extrapolated) = 0.384 W/kg

**SAR(1 g) = 0.216 mW/g; SAR(10 g) = 0.129 mW/g**

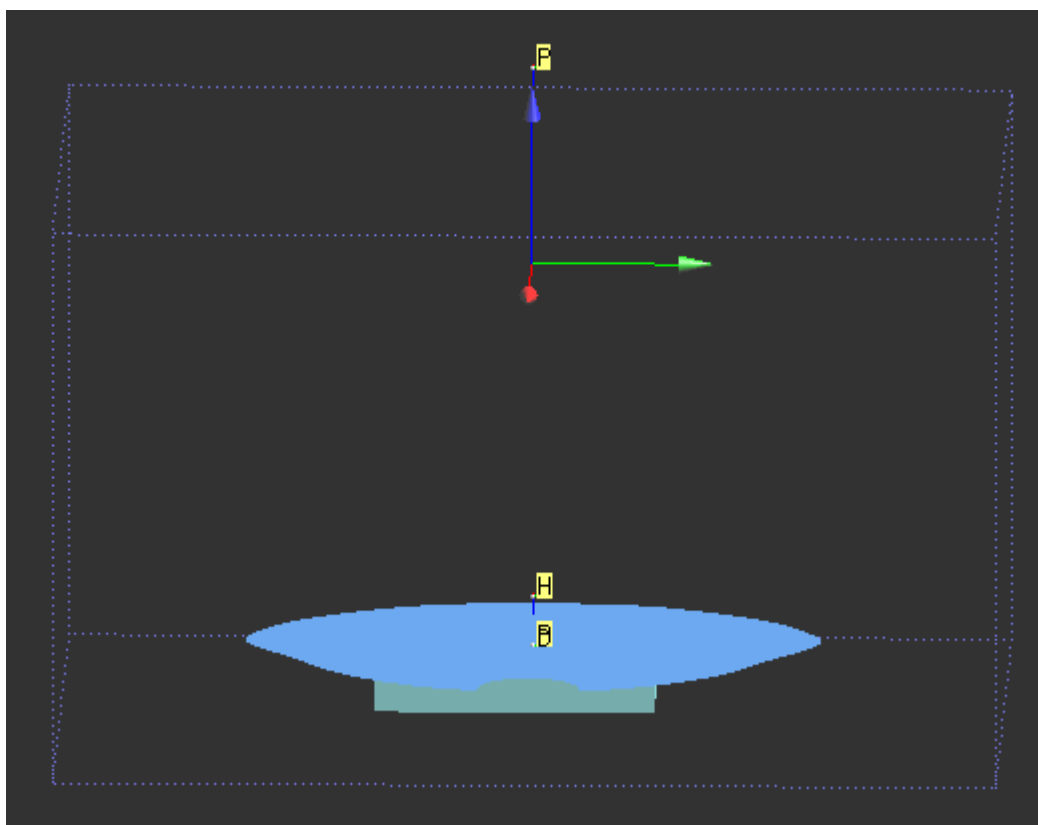
Info: Interpolated medium parameters used for SAR evaluation.

**Warning:** Maximum averaged SAR over 10 g is located on the boundary of the measurement cube. This cube might not incorporate the absolute averaged SAR. Please consider a refinement of the Area Scan measurement.

Maximum value of SAR (measured) = 0.248 mW/g



## GSM 1900MHz - Body



**Front-UP**

Date/Time: 6/4/2007 10:35:56 AM

Test Laboratory: Electronics Testing Center, Taiwan

**DUT: GPRS SPT100; Type: SPT100; Serial: N/A**

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

Medium parameters used:  $f = 1880 \text{ MHz}$ ;  $\sigma = 1.49 \text{ mho/m}$ ;  $\epsilon_r = 55.8$ ;  $\rho = 1000 \text{ kg/m}^3$ 

Air temperature: 26 degC; Liquid temperature: 22.1 degC;

Phantom section: Flat Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1791; ConvF(4.5, 4.5, 4.5); Calibrated: 9/19/2006

- Sensor-Surface: 4mm (Mechanical And Optical Surface Detection)

- Electronics: DAE4 Sn629;

- Phantom: SAM 12-2; Type: SAM4.0; Serial: TP-1347

- Measurement SW: DASY4, V4.6 Build 23; Postprocessing SW: SEMCAD, V1.8 Build 160

**Front-MID-GSM/Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8\text{mm}$ ,  $dy=8\text{mm}$ ,  $dz=5\text{mm}$ 

Reference Value = 13.0 V/m; Power Drift = 0.023 dB

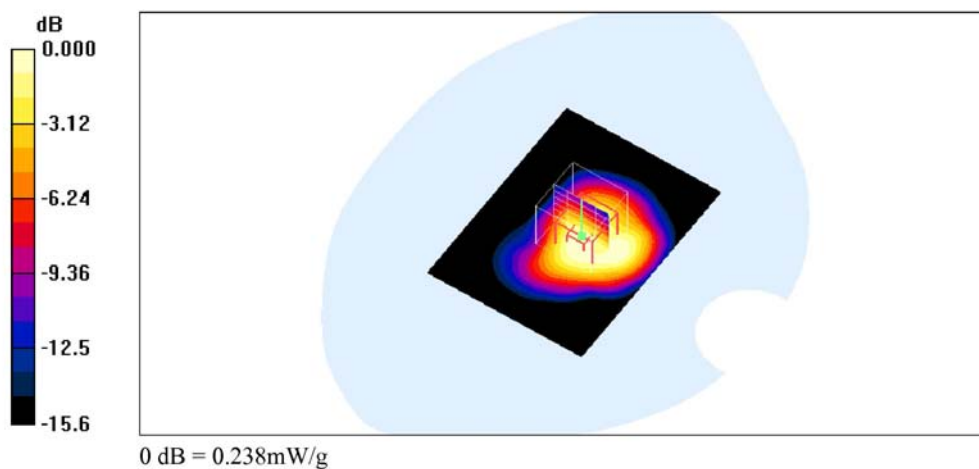
Peak SAR (extrapolated) = 0.295 W/kg

**SAR(1 g) = 0.217 mW/g; SAR(10 g) = 0.135 mW/g**

Maximum value of SAR (measured) = 0.238 mW/g

**Front-MID-GSM/Area Scan (61x81x1):** Measurement grid:  $dx=15\text{mm}$ ,  $dy=15\text{mm}$ 

Maximum value of SAR (interpolated) = 0.246 mW/g



**Front-UP**

Date/Time: 6/4/2007 10:50:51 AM

Test Laboratory: Electronics Testing Center, Taiwan

**DUT: GPRS SPT100; Type: SPT100; Serial: N/A**

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

Medium parameters used:  $f = 1880$  MHz;  $\sigma = 1.49$  mho/m;  $\epsilon_r = 55.8$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Air temperature: 26 degC; Liquid temperature: 22.1 degC;

Phantom section: Flat Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1791; ConvF(4.5, 4.5, 4.5); Calibrated: 9/19/2006

- Sensor-Surface: 4mm (Mechanical And Optical Surface Detection)

- Electronics: DAE4 Sn629;

- Phantom: SAM 12-2; Type: SAM4.0; Serial: TP-1347

- Measurement SW: DASY4, V4.6 Build 23; Postprocessing SW: SEMCAD, V1.8 Build 160

**Front-MID-GPRS/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 18.2 V/m; Power Drift = -0.006 dB

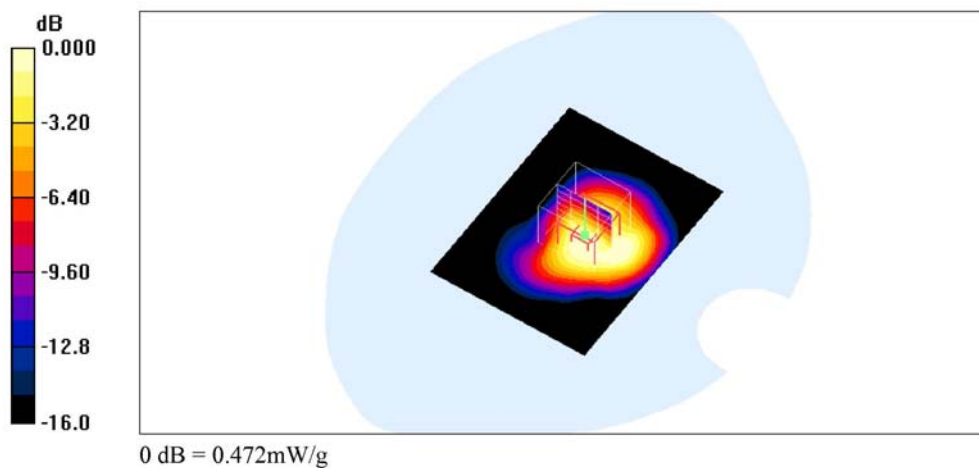
Peak SAR (extrapolated) = 0.584 W/kg

**SAR(1 g) = 0.429 mW/g; SAR(10 g) = 0.265 mW/g**

Maximum value of SAR (measured) = 0.472 mW/g

**Front-MID-GPRS/Area Scan (61x81x1):** Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.485 mW/g



**Rear-UP**

Date/Time: 6/4/2007 11:19:53 AM

Test Laboratory: Electronics Testing Center, Taiwan

**DUT: GPRS SPT100; Type: SPT100; Serial: N/A**

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

Medium parameters used:  $f = 1880$  MHz;  $\sigma = 1.49$  mho/m;  $\epsilon_r = 55.8$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Air temperature: 26 degC; Liquid temperature: 22.1 degC;

Phantom section: Flat Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1791; ConvF(4.5, 4.5, 4.5); Calibrated: 9/19/2006

- Sensor-Surface: 4mm (Mechanical And Optical Surface Detection)

- Electronics: DAE4 Sn629;

- Phantom: SAM 12-2; Type: SAM4.0; Serial: TP-1347

- Measurement SW: DASY4, V4.6 Build 23; Postprocessing SW: SEMCAD, V1.8 Build 160

**Rear-MID-GPRS/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 9.37 V/m; Power Drift = -0.042 dB

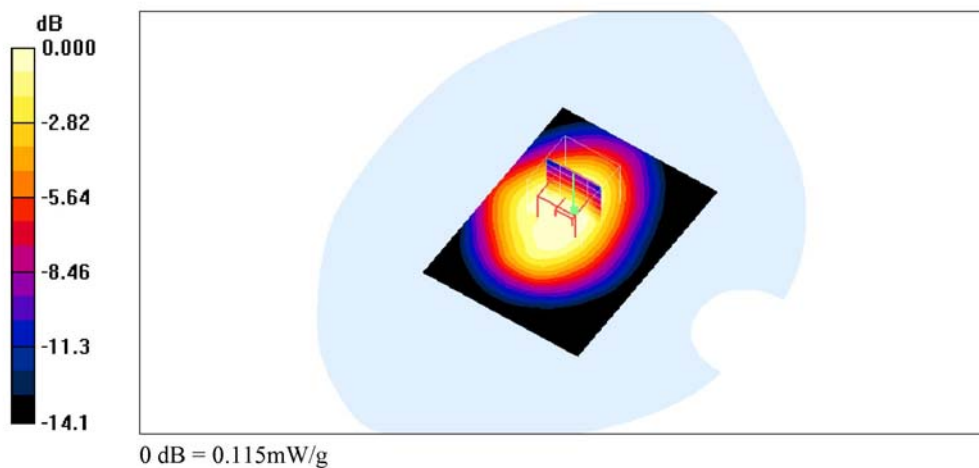
Peak SAR (extrapolated) = 0.143 W/kg

**SAR(1 g) = 0.108 mW/g; SAR(10 g) = 0.073 mW/g**

Maximum value of SAR (measured) = 0.115 mW/g

**Rear-MID-GPRS/Area Scan (61x81x1):** Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.117 mW/g



**Front-UP**

Date/Time: 6/4/2007 11:32:26 AM

Test Laboratory: Electronics Testing Center, Taiwan

**DUT: GPRS SPT100; Type: SPT100; Serial: N/A**

Communication System: GSM 1900; Frequency: 1909.8 MHz; Duty Cycle: 1:8.3

Medium parameters used:  $f = 1910$  MHz;  $\sigma = 1.53$  mho/m;  $\epsilon_r = 55.8$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Air temperature: 26 degC; Liquid temperature: 22.1 degC;

Phantom section: Flat Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1791; ConvF(4.5, 4.5, 4.5); Calibrated: 9/19/2006

- Sensor-Surface: 4mm (Mechanical And Optical Surface Detection)

- Electronics: DAE4 Sn629;

- Phantom: SAM 12-2; Type: SAM4.0; Serial: TP-1347

- Measurement SW: DASY4, V4.6 Build 23; Postprocessing SW: SEMCAD, V1.8 Build 160

**Front-HIGH-GPRS/Area Scan (61x81x1):** Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.484 mW/g

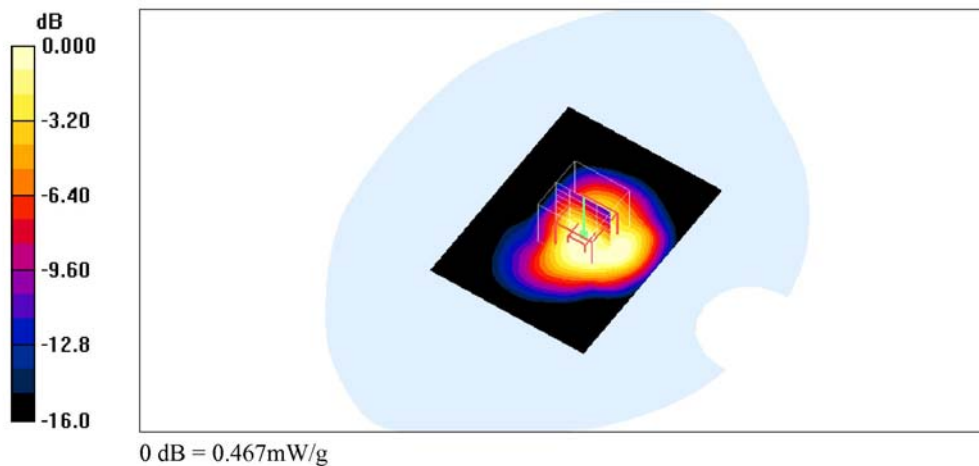
**Front-HIGH-GPRS/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

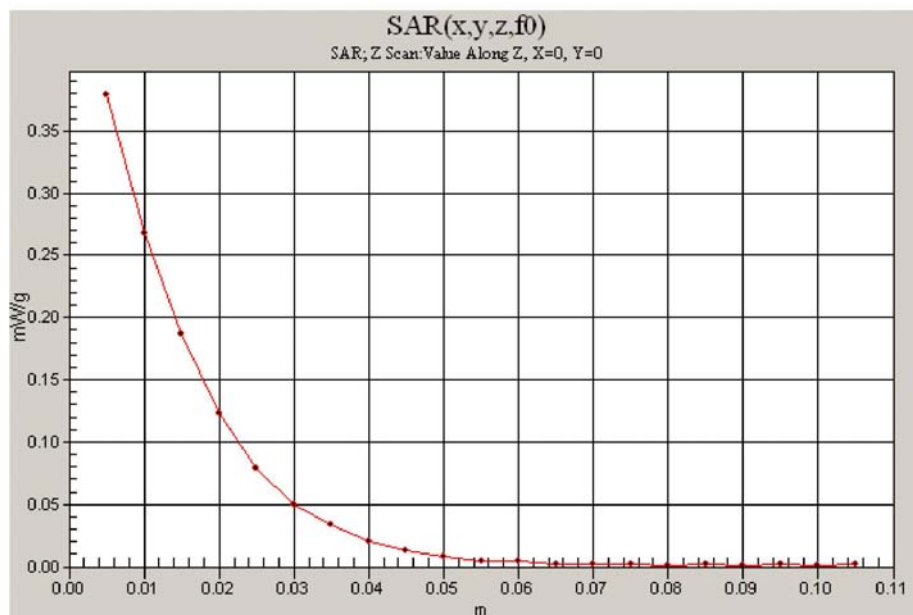
Reference Value = 17.9 V/m; Power Drift = 0.074 dB

Peak SAR (extrapolated) = 0.598 W/kg

**SAR(1 g) = 0.434 mW/g; SAR(10 g) = 0.270 mW/g**

Maximum value of SAR (measured) = 0.467 mW/g





## Front-UP

Date/Time: 6/4/2007 12:04:51 PM

Test Laboratory: Electronics Testing Center, Taiwan

**DUT: GPRS SPT100; Type: SPT100; Serial: N/A**

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

Medium parameters used (interpolated):  $f = 1850.2$  MHz;  $\sigma = 1.45$  mho/m;  $\epsilon_r = 55.9$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Air temperature: 26 degC; Liquid temperature: 22.1 degC;

Phantom section: Flat Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1791; ConvF(4.5, 4.5, 4.5); Calibrated: 9/19/2006

- Sensor-Surface: 4mm (Mechanical And Optical Surface Detection)

- Electronics: DAE4 Sn629;

- Phantom: SAM 12-2; Type: SAM4.0; Serial: TP-1347

- Measurement SW: DASY4, V4.6 Build 23; Postprocessing SW: SEMCAD, V1.8 Build 160

**Front-LOW-GPRS/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 17.2 V/m; Power Drift = -0.042 dB

Peak SAR (extrapolated) = 0.520 W/kg

**SAR(1 g) = 0.386 mW/g; SAR(10 g) = 0.238 mW/g**

[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (measured) = 0.427 mW/g

**Front-LOW-GPRS/Area Scan (61x81x1):** Measurement grid: dx=15mm, dy=15mm

[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (interpolated) = 0.428 mW/g

