

**AGC-100**  
**IN**  
**IBM NOTEBOOK**  
**(WORST CASE)**

Test Laboratory: The name of your organization

File Name: [gsm-0mm-h.da4](#)

## **gsm-0mm-h**

**DUT: AGC100; Type: CF CARD; Serial: ID:MSQAGC100**

**Program: gsm=0mm**

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

Medium: HSL1900 ( $\sigma = 1.583$  mho/m,  $\epsilon_r = 50.7947$ ,  $\rho = 1000$  kg/m<sup>3</sup>)

Phantom section: Flat Section     Air Temp 25.9 deg C ; Liquid Temp 25.7 deg C

DASY4 Configuration:

- Probe: ET3DV6 - SN1762; ConvF(5, 5, 5); 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 12; Type: SAM V4.0; Serial: TP-1271
- Measurement SW: DASY4, V4.1 Build 47; Postprocessing SW: SEMCAD, V1.6 Build 115

**gsm high-h/Area Scan (5x9x1):** Measurement grid: dx=15mm, dy=15mm

Reference Value = 13.4 V/m

Power Drift = -0.09 dB

Maximum value of SAR = 0.33 mW/g

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

Peak SAR (extrapolated) = 0.512 W/kg

SAR(1 g) = 0.308 mW/g; SAR(10 g) = 0.187 mW/g

Reference Value = 13.4 V/m

Power Drift = -0.09 dB

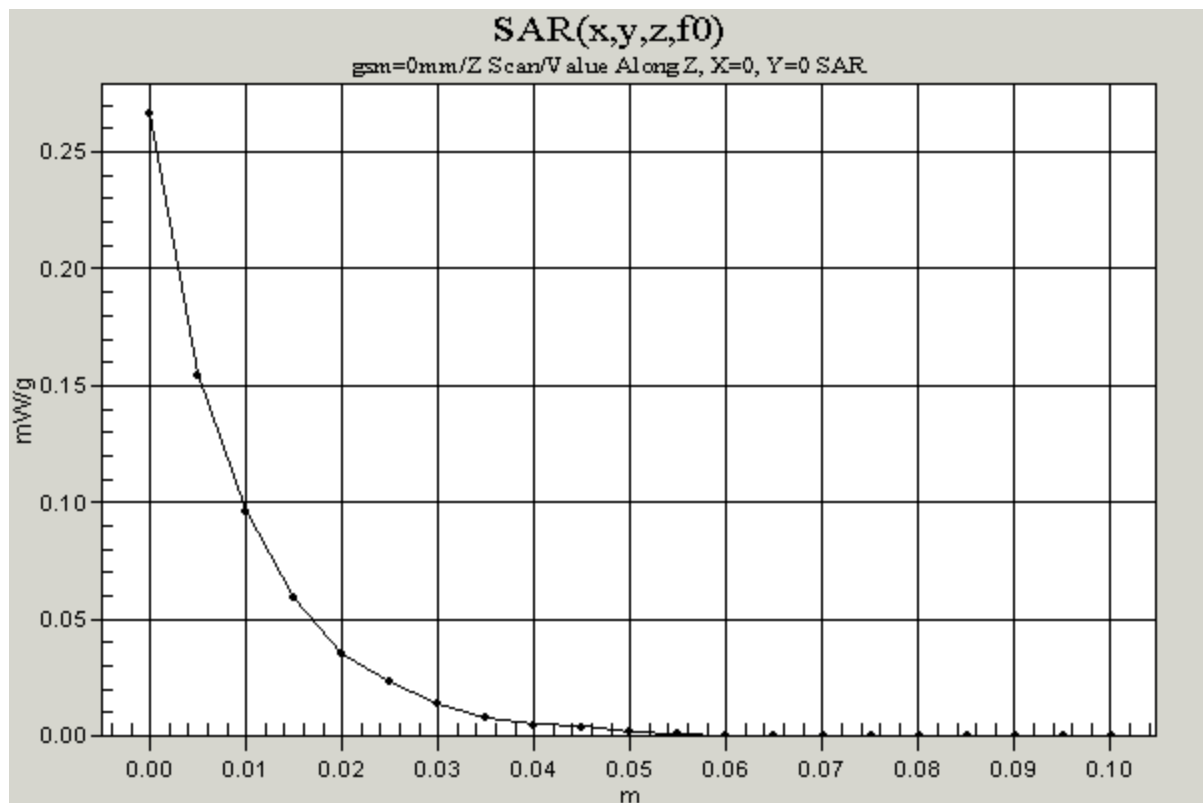
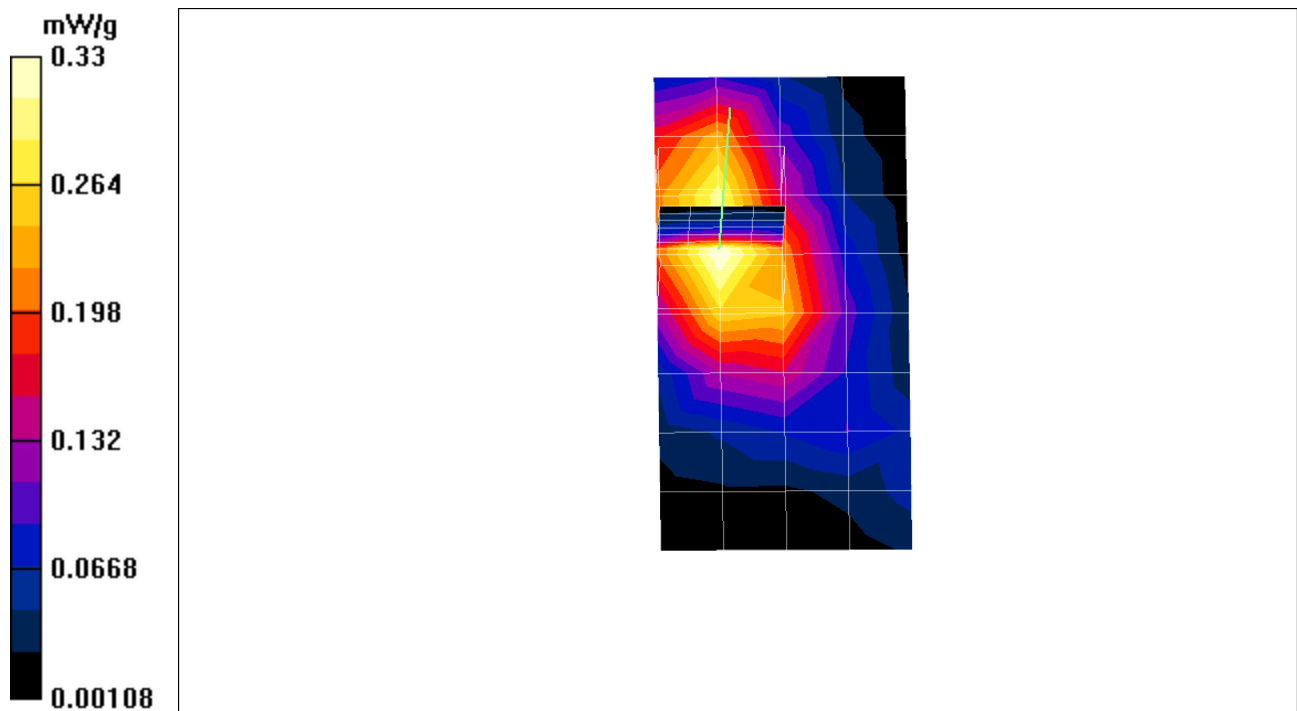
Maximum value of SAR = 0.327 mW/g

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

Reference Value = 13.4 V/m

Power Drift = -0.08 dB

Maximum value of SAR = 0.267 mW/g



Test Laboratory: The name of your organization

File Name: [gprs-0mm-h.da4](#)

## **gprs-0mm-h**

**DUT: AGC100; Type: CF CARD; Serial: ID:MSQAGC100**

**Program: flat**

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

Medium: HSL1900 ( $\sigma = 1.581$  mho/m,  $\epsilon_r = 50.967$ ,  $\rho = 1000$  kg/m<sup>3</sup>)

Phantom section: Flat Section     Air Temp 26 deg C ; Liquid Temp 25.9 deg C

DASY4 Configuration:

- Probe: ET3DV6 - SN1762; ConvF(5, 5, 5); 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 12; Type: SAM V4.0; Serial: TP-1271
- Measurement SW: DASY4, V4.1 Build 47; Postprocessing SW: SEMCAD, V1.6 Build 115

**gprs high-h/Area Scan (5x7x1):** Measurement grid: dx=15mm, dy=15mm

Reference Value = 11.4 V/m

Power Drift = 0.04 dB

Maximum value of SAR = 0.303 mW/g

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

Peak SAR (extrapolated) = 0.486 W/kg

SAR(1 g) = 0.298 mW/g; SAR(10 g) = 0.179 mW/g

Reference Value = 11.4 V/m

Power Drift = 0.04 dB

Maximum value of SAR = 0.317 mW/g

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

Peak SAR (extrapolated) = 0.442 W/kg

SAR(1 g) = 0.27 mW/g; SAR(10 g) = 0.161 mW/g

Reference Value = 11.4 V/m

Power Drift = 0.04 dB

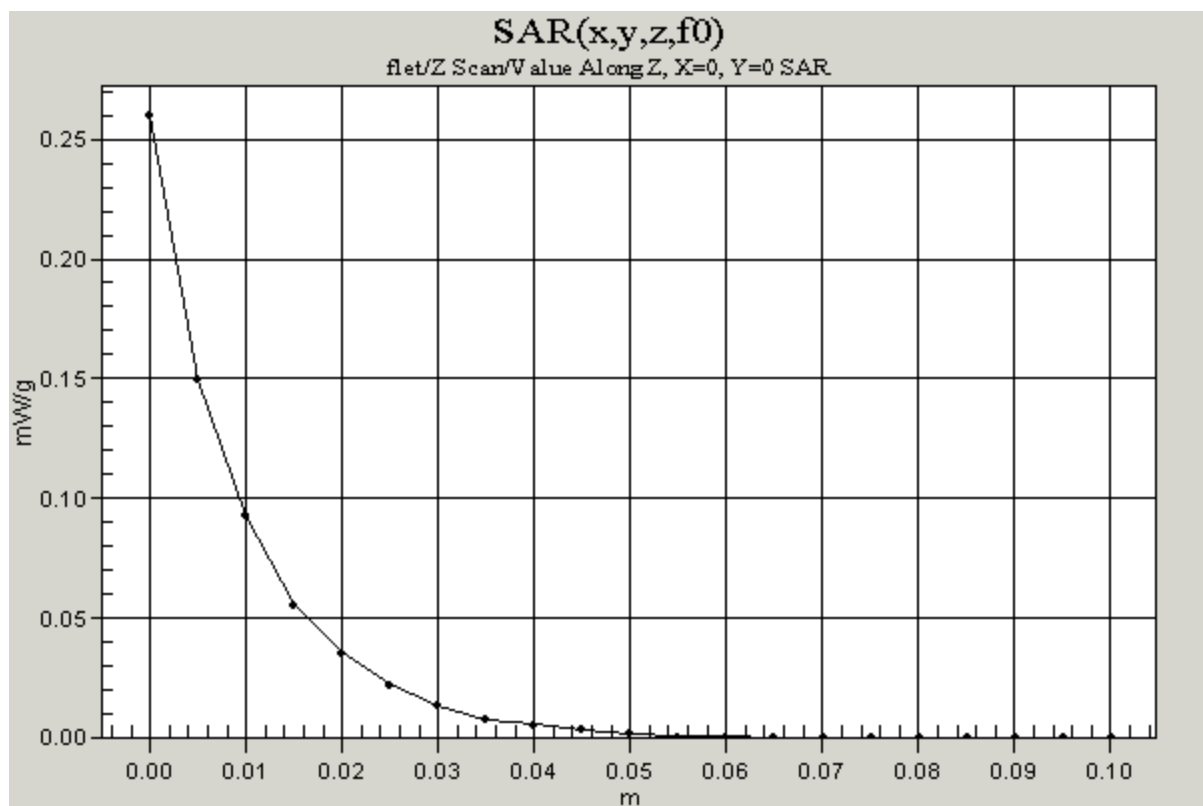
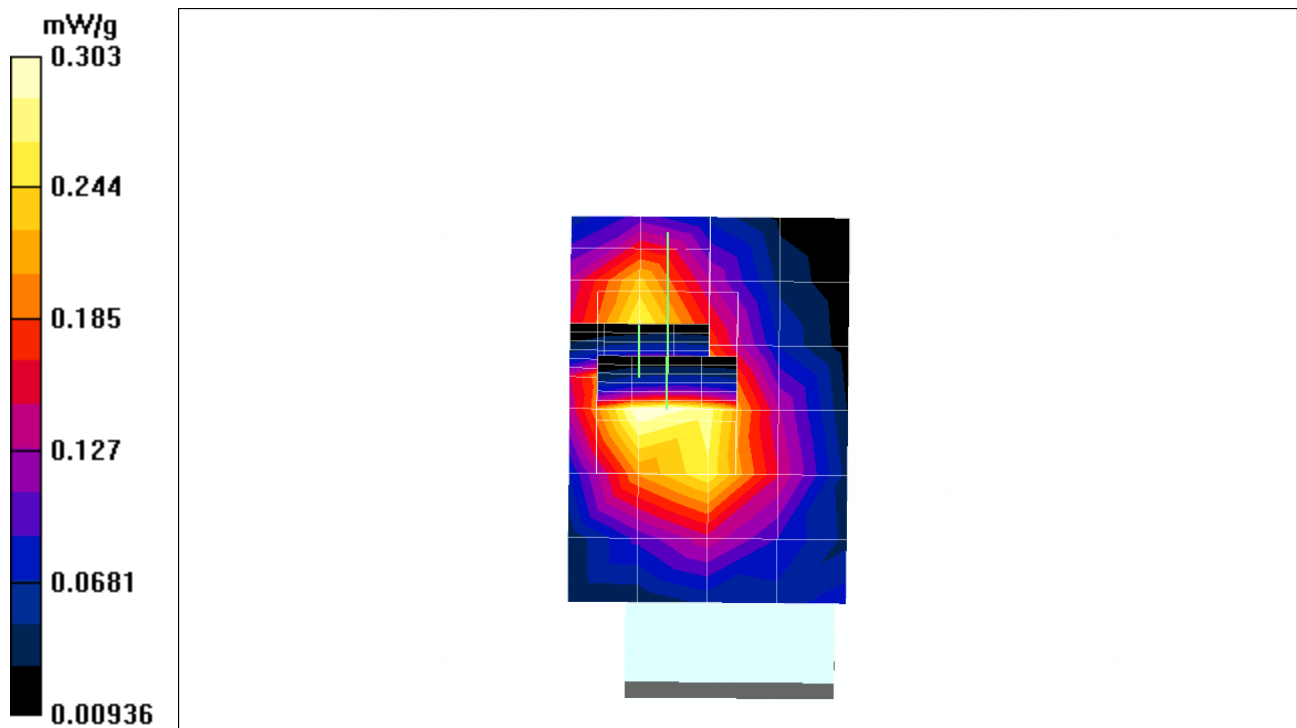
Maximum value of SAR = 0.301 mW/g

**gprs high-h/Z Scan (1x1x21):** Measurement grid: dx=20mm, dy=20mm, dz=5mm

Reference Value = 11.4 V/m

Power Drift = 0.02 dB

Maximum value of SAR = 0.26 mW/g



Test Laboratory: The name of your organization

File Name: [gsm-0mm-v.da4](#)

## **gsm-0mm-v**

**DUT: AGC-100; Type: IBM; Serial: ID:MSQAGC100**

**Program: gsm=0mm**

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

Medium: HSL1900 ( $\sigma = 1.581$  mho/m,  $\epsilon_r = 50.967$ ,  $\rho = 1000$  kg/m<sup>3</sup>)

Phantom section: Flat Section     Air Temp 26 deg C ; Liquid Temp 25.9 deg C

DASY4 Configuration:

- Probe: ET3DV6 - SN1762; ConvF(5, 5, 5); 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 12; Type: SAM V4.0; Serial: TP-1271
- Measurement SW: DASY4, V4.1 Build 47; Postprocessing SW: SEMCAD, V1.6 Build 115

**gsm high-v/Area Scan (5x7x1):** Measurement grid: dx=15mm, dy=15mm

Reference Value = 9.09 V/m

Power Drift = -0.07 dB

Maximum value of SAR = 0.189 mW/g

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

Peak SAR (extrapolated) = 0.322 W/kg

SAR(1 g) = 0.19 mW/g; SAR(10 g) = 0.112 mW/g

Reference Value = 9.09 V/m

Power Drift = -0.07 dB

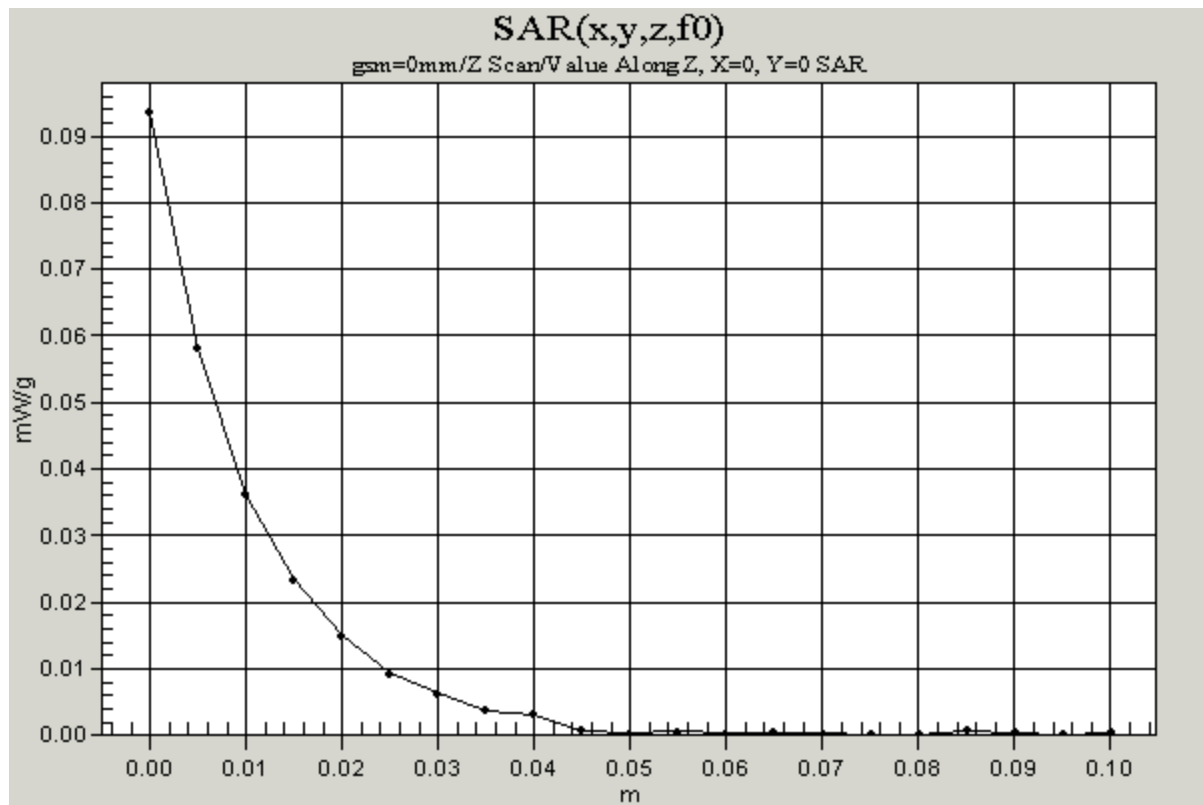
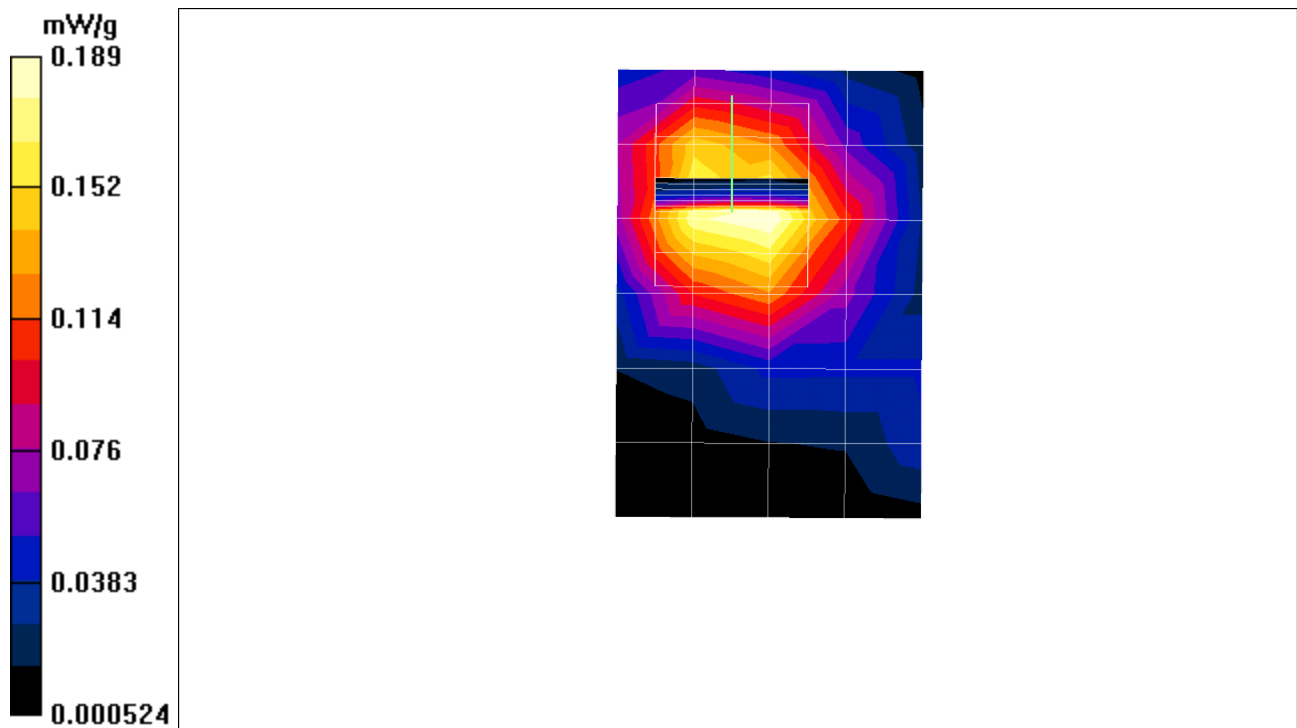
Maximum value of SAR = 0.201 mW/g

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

Reference Value = 9.09 V/m

Power Drift = -0.08 dB

Maximum value of SAR = 0.0936 mW/g



Test Laboratory: The name of your organization

File Name: [gprs-0mm-v.da4](#)

## **gprs-0mm-v**

**DUT: AGC-100; Type: IBM; Serial: ID:MSQAGC100**

**Program: flat**

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

Medium: HSL1900 ( $\sigma = 1.581$  mho/m,  $\epsilon_r = 50.967$ ,  $\rho = 1000$  kg/m<sup>3</sup>)

Phantom section: Flat Section      Air Temp 26 deg C ; Liquid Temp 25.9 deg C

DASY4 Configuration:

- Probe: ET3DV6 - SN1762; ConvF(5, 5, 5); 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 12; Type: SAM V4.0; Serial: TP-1271
- Measurement SW: DASY4, V4.1 Build 47; Postprocessing SW: SEMCAD, V1.6 Build 115

**gprs high-v/Area Scan (6x7x1):** Measurement grid: dx=15mm, dy=15mm

Reference Value = 8.06 V/m

Power Drift = -0.2 dB

Maximum value of SAR = 0.217 mW/g

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

Peak SAR (extrapolated) = 0.345 W/kg

SAR(1 g) = 0.208 mW/g; SAR(10 g) = 0.124 mW/g

Reference Value = 8.06 V/m

Power Drift = -0.2 dB

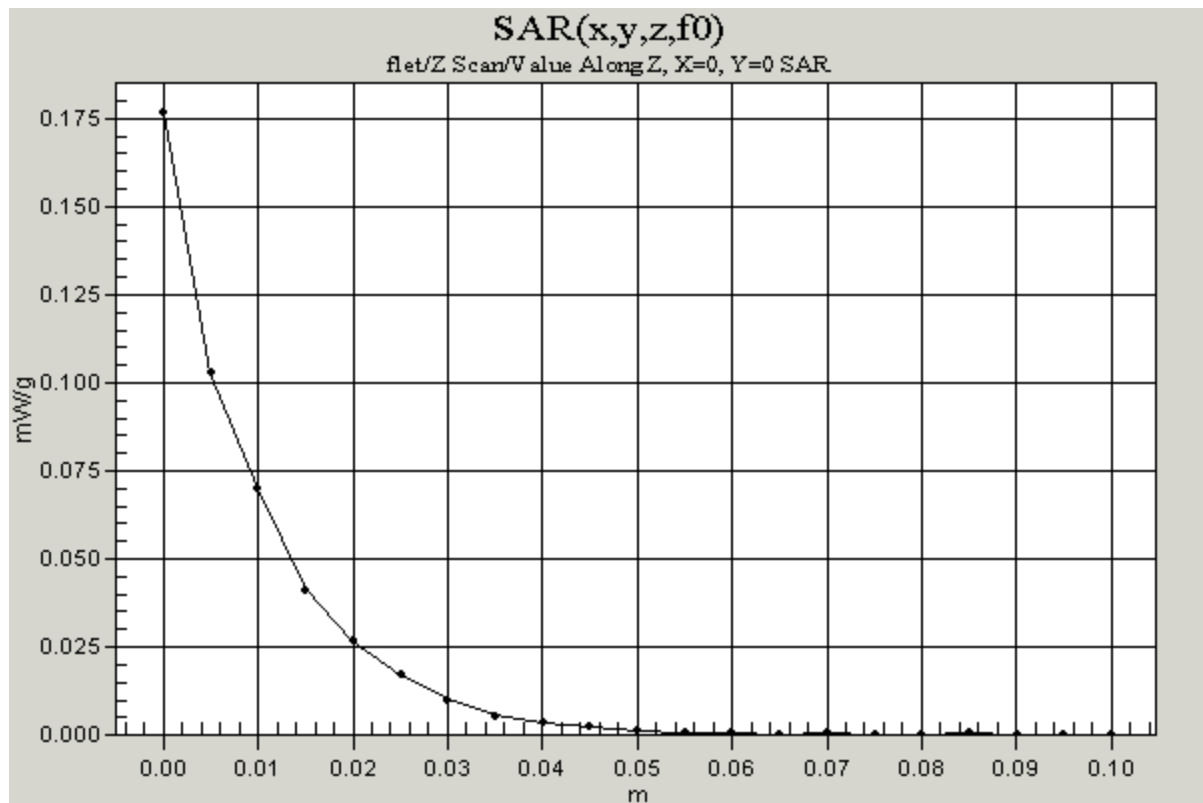
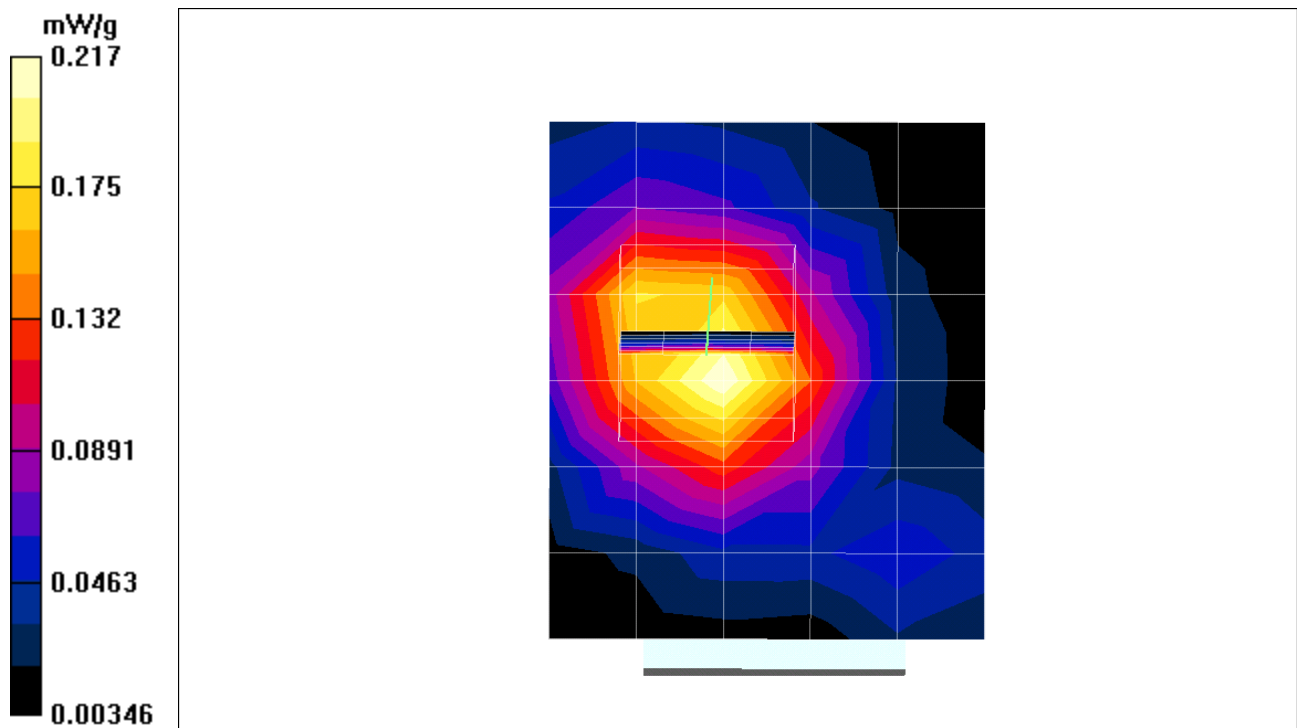
Maximum value of SAR = 0.222 mW/g

**gprs high-v/Z Scan (1x1x21):** Measurement grid: dx=20mm, dy=20mm, dz=5mm

Reference Value = 8.06 V/m

Power Drift = 0.04 dB

Maximum value of SAR = 0.177 mW/g



Test Laboratory: The name of your organization

File Name: [gsm15mm=h.da4](#)

## **gsm15mm=h**

**DUT: AGC100; Type: CF CARD; Serial: ID:MSQAGC100**  
**Program: flat 15mm**

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

Medium: HSL1900 ( $\sigma = 1.583$  mho/m,  $\epsilon_r = 50.79$ ,  $\rho = 1000$  kg/m<sup>3</sup>)

Phantom section: Flat Section      Air Temp 25.9 deg C ; Liquid Temp 25.7 deg C

DASY4 Configuration:

- Probe: ET3DV6 - SN1762; ConvF(5, 5, 5); 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 12; Type: SAM V4.0; Serial: TP-1271
- Measurement SW: DASY4, V4.1 Build 47; Postprocessing SW: SEMCAD, V1.6 Build 115

**gsm high-h/Area Scan (6x6x1):** Measurement grid: dx=15mm, dy=15mm

Reference Value = 6.07 V/m

Power Drift = -0.1 dB

Maximum value of SAR = 0.0514 mW/g

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

Peak SAR (extrapolated) = 0.078 W/kg

SAR(1 g) = 0.0494 mW/g; SAR(10 g) = 0.0305 mW/g

Reference Value = 6.07 V/m

Power Drift = -0.1 dB

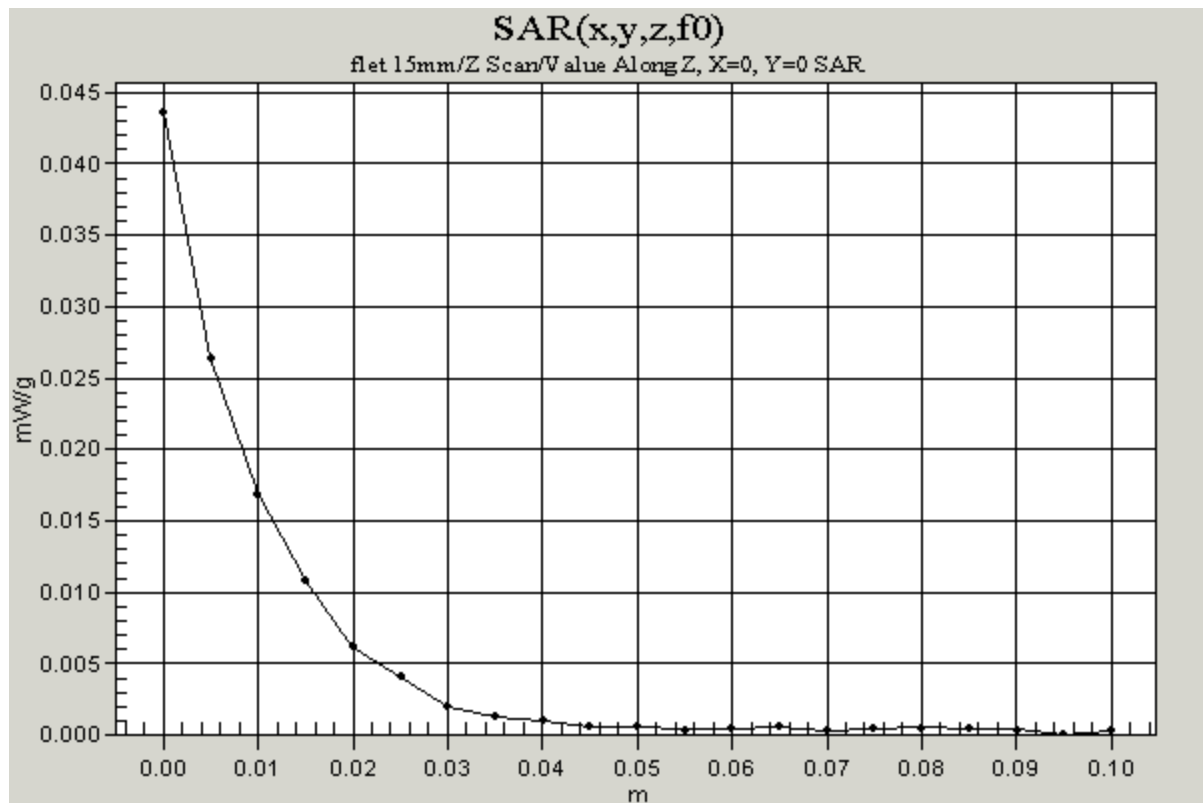
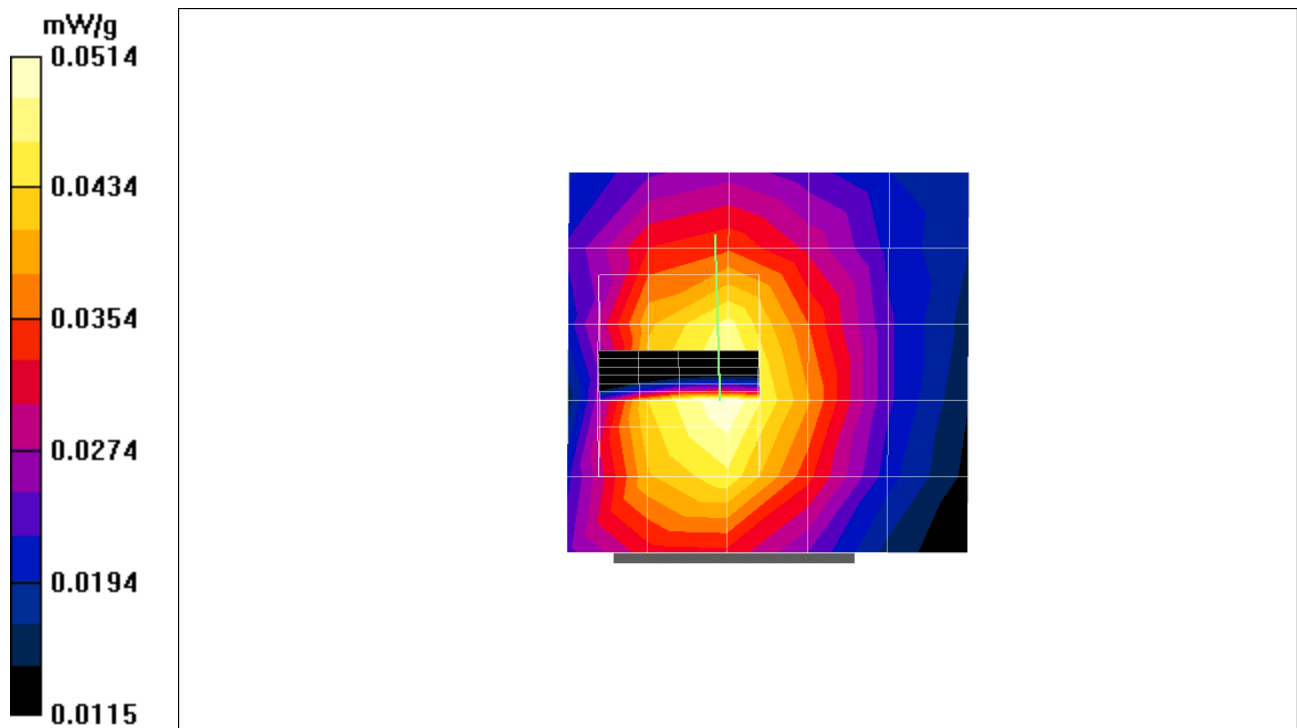
Maximum value of SAR = 0.0523 mW/g

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

Reference Value = 6.07 V/m

Power Drift = -0.2 dB

Maximum value of SAR = 0.0436 mW/g



Test Laboratory: The name of your organization

File Name: [gprs15mm=h.da4](#)

**gprs15mm=h**

**DUT: AGC100; Type: CF CARD; Serial: ID:MSQAGC100**

**Program: flat-15mm**

Communication System: gprs1900; Frequency: 1909.8 MHz; Duty Cycle: 1:4

Medium: HSL1900 ( $\sigma = 1.583$  mho/m,  $\epsilon_r = 50.79$ ,  $\rho = 1000$  kg/m<sup>3</sup>)

Phantom section: Flat Section      Air Temp 25.9 deg C ; Liquid Temp 25.7 deg C

DASY4 Configuration:

- Probe: ET3DV6 - SN1762; ConvF(5, 5, 5); 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 12; Type: SAM V4.0; Serial: TP-1271
- Measurement SW: DASY4, V4.1 Build 47; Postprocessing SW: SEMCAD, V1.6 Build 115

**15mm= h/Area Scan (7x6x1):** Measurement grid: dx=15mm, dy=15mm

Reference Value = 6.81 V/m

Power Drift = 0.007 dB

Maximum value of SAR = 0.0646 mW/g

**15mm= h/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm

Peak SAR (extrapolated) = 0.1 W/kg

SAR(1 g) = 0.0626 mW/g; SAR(10 g) = 0.0389 mW/g

Reference Value = 6.81 V/m

Power Drift = 0.007 dB

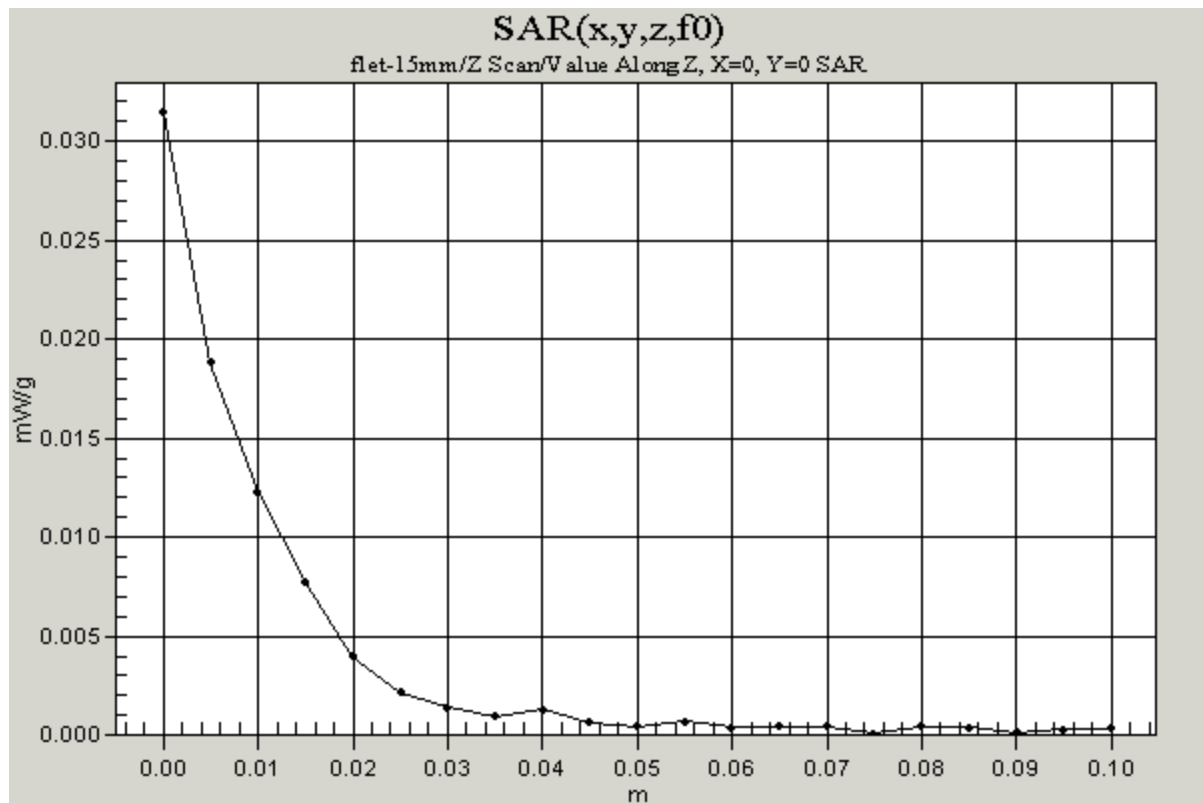
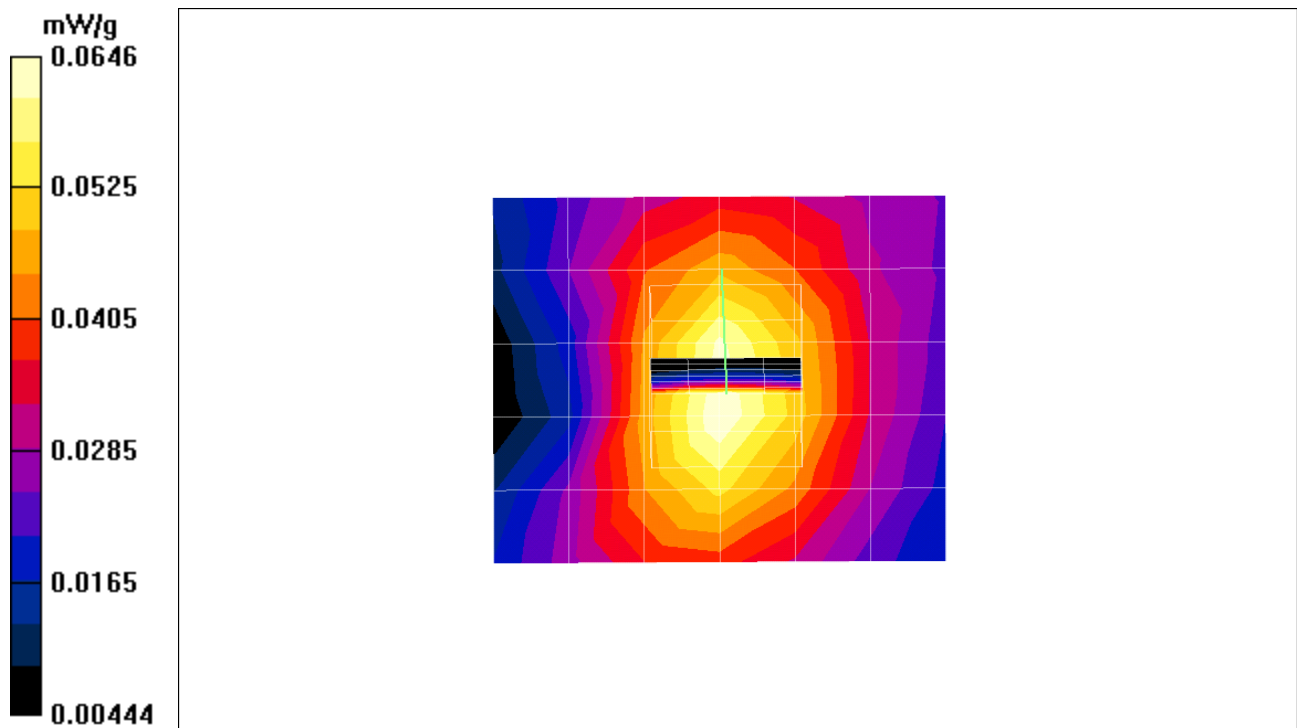
Maximum value of SAR = 0.066 mW/g

**15mm= h/Z Scan (1x1x21):** Measurement grid: dx=20mm, dy=20mm, dz=5mm

Reference Value = 6.81 V/m

Power Drift = 0.05 dB

Maximum value of SAR = 0.0315 mW/g



Test Laboratory: The name of your organization

File Name: [gsm15mm=v.da4](#)

**gsm15mm=v**

**DUT: AGC-100; Type: CF in IBM; Serial: ID:MSQAGC100**  
**Program: flat 15mm**

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

Medium: HSL1900 ( $\sigma = 1.583$  mho/m,  $\epsilon_r = 50.79$ ,  $\rho = 1000$  kg/m<sup>3</sup>)

Phantom section: Flat Section     Air Temp 25.9 deg C ; Liquid Temp 25.7 deg C

DASY4 Configuration:

- Probe: ET3DV6 - SN1762; ConvF(5, 5, 5); 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 12; Type: SAM V4.0; Serial: TP-1271
- Measurement SW: DASY4, V4.1 Build 47; Postprocessing SW: SEMCAD, V1.6 Build 115

**gsm high-v/Area Scan (6x7x1):** Measurement grid: dx=15mm, dy=15mm

Reference Value = 9.86 V/m

Power Drift = -0.02 dB

Maximum value of SAR = 0.151 mW/g

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

Peak SAR (extrapolated) = 0.228 W/kg

SAR(1 g) = 0.146 mW/g; SAR(10 g) = 0.0915 mW/g

Reference Value = 9.86 V/m

Power Drift = -0.02 dB

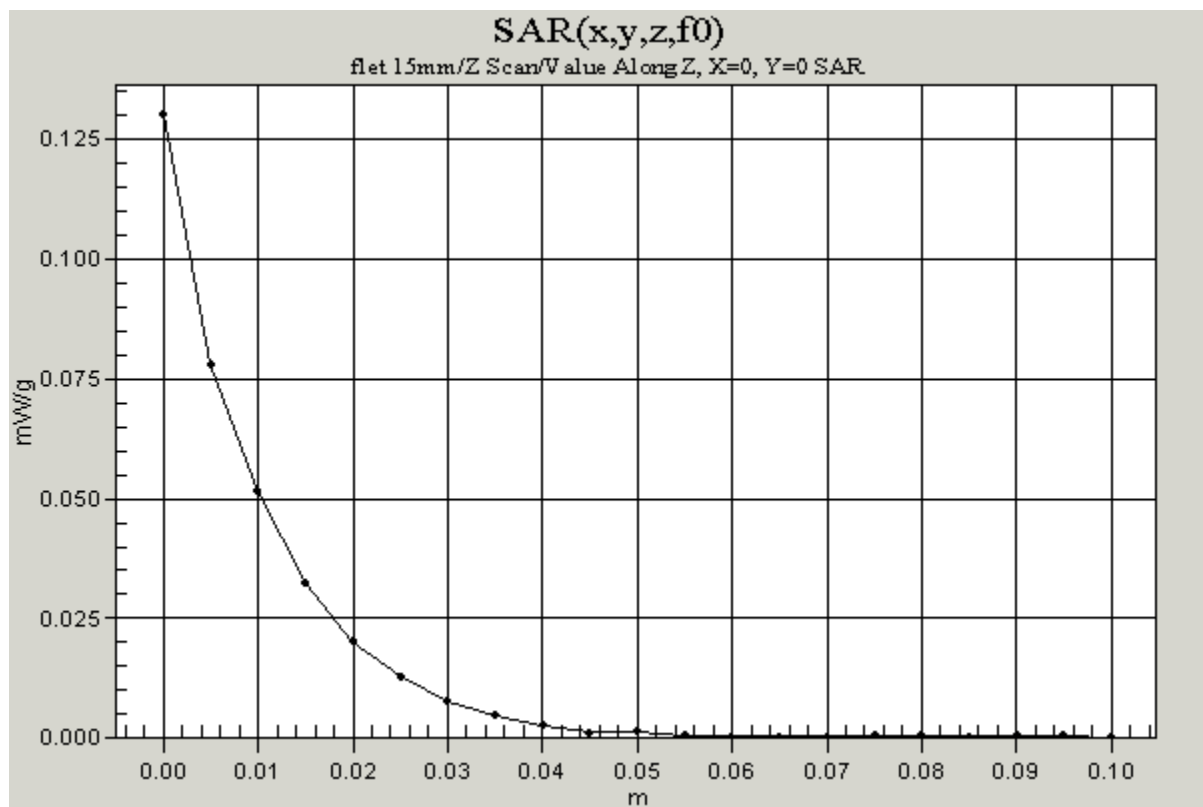
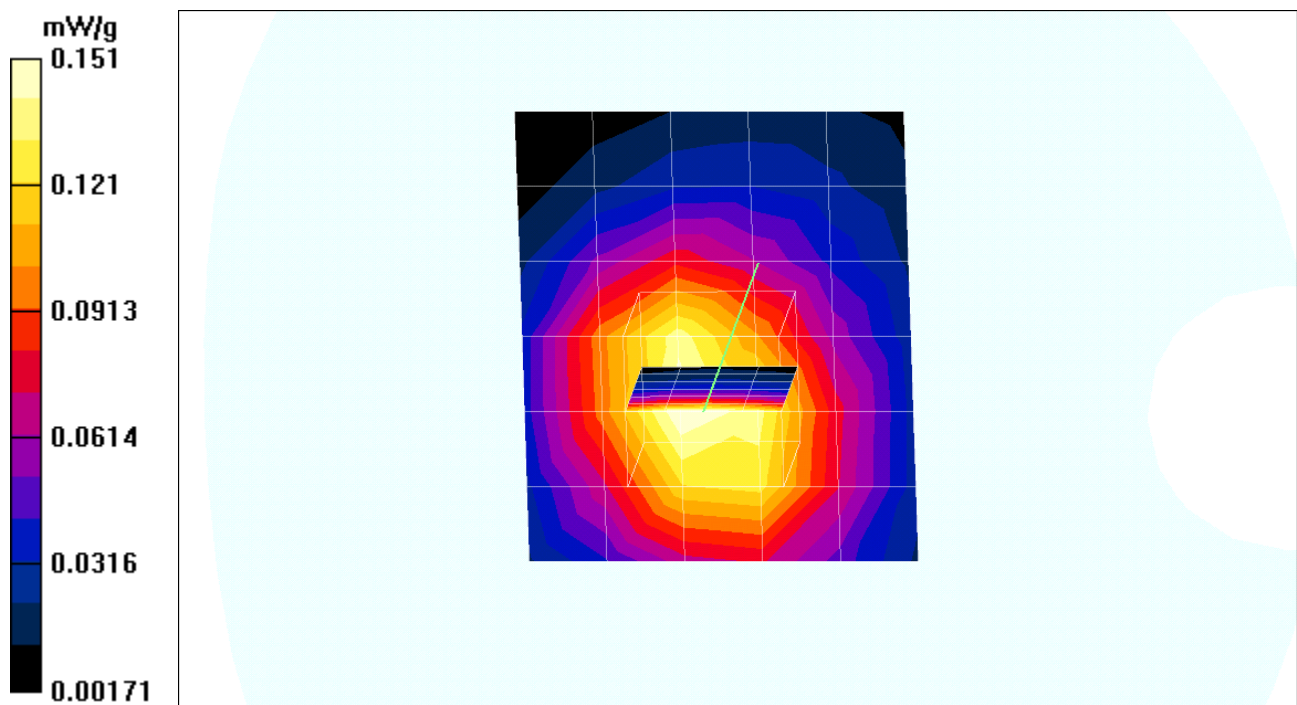
Maximum value of SAR = 0.154 mW/g

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

Reference Value = 9.86 V/m

Power Drift = -0.03 dB

Maximum value of SAR = 0.13 mW/g



Test Laboratory: The name of your organization

File Name: [gprs-15mm=v.da4](#)

**gprs-15mm=v**

**DUT: AGC-100; Type: IBM; Serial: ID:MSQAGC100**

**Program: flat-15mm**

Communication System: gprs1900; Frequency: 1909.8 MHz; Duty Cycle: 1:4

Medium: HSL1900 ( $\sigma = 1.583$  mho/m,  $\epsilon_r = 50.79$ ,  $\rho = 1000$  kg/m<sup>3</sup>)

Phantom section: Flat Section     Air Temp 25.9 deg C ; Liquid Temp 25.7 deg C

DASY4 Configuration:

- Probe: ET3DV6 - SN1762; ConvF(5, 5, 5); 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 12; Type: SAM V4.0; Serial: TP-1271
- Measurement SW: DASY4, V4.1 Build 47; Postprocessing SW: SEMCAD, V1.6 Build 115

**gprs high-v/Area Scan (6x7x1):** Measurement grid: dx=15mm, dy=15mm

Reference Value = 11.6 V/m

Power Drift = -0.2 dB

Maximum value of SAR = 0.202 mW/g

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

Peak SAR (extrapolated) = 0.304 W/kg

SAR(1 g) = 0.193 mW/g; SAR(10 g) = 0.12 mW/g

Reference Value = 11.6 V/m

Power Drift = -0.2 dB

Maximum value of SAR = 0.206 mW/g

**gprs high-v/Z Scan (1x1x21):** Measurement grid: dx=20mm, dy=20mm, dz=5mm

Reference Value = 11.6 V/m

Power Drift = -0.2 dB

Maximum value of SAR = 0.172 mW/g

