

# SAMSUNG FCC ID : A3LSGHC225 -- 1900MHz GSM1900 Head SAR

**DUT: SGH-C225; Serial: FB-038-A**

**Program Name: SGH-C225 GSM1900 Right (Job No.: FB-038)**

**Procedure Name: Cheek/Touch, Ch.0512, Ant.Fixed, Bat.Standard**

**Procedure Notes: Meas.Tissue Temp(celsius)-21.4; Test Date-30/Jun/2004 [OET Bulletin 65-Supplement C, July 2001]**

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

Medium parameters used:  $\sigma = 1.41$ ; mho/m,  $\epsilon_r = 39.361$ ;  $\rho = 1000 \text{ kg/m}^3$

Phantom section: Right Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1735; ConvF(5.6, 5.6, 5.6); Calibrated: 2003-11-20
- Sensor-Surface: 4mm (Mechanical And Optical Surface Detection)
- Electronics: DAE3 Sn468; Calibrated: 2003-11-21
- Phantom: SAM 1800/1900 MHz; Type: SAM; Serial: TP-1143
- Measurement SW: DASY4, V4.2 Build 44; Postprocessing SW: SEMCAD, V1.8 Build 112

## **Cheek/Touch, Ch.0512, Ant.Fixed, Bat.Standard/Area Scan (51x71x1):**

Measurement grid: dx=20mm, dy=20mm

Reference Value = 24.1 V/m; Power Drift = -0.1 dB

Maximum value of SAR (interpolated) = 0.841 mW/g

## **Cheek/Touch, Ch.0512, Ant.Fixed, Bat.Standard/Zoom Scan**

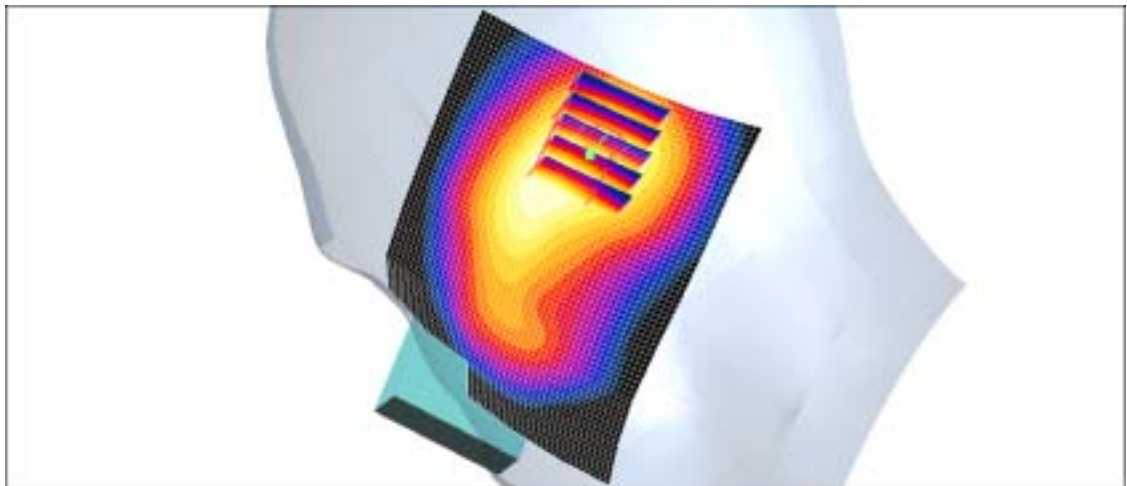
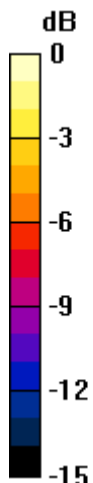
**(5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 24.1 V/m; Power Drift = -0.1 dB

Maximum value of SAR (measured) = 0.742 mW/g

Peak SAR (extrapolated) = 1.1 W/kg

**SAR(1 g) = 0.690 mW/g**



0 dB = 0.742mW/g

# SAMSUNG FCC ID : A3LSGHC225 -- 1900MHz GSM1900 Head SAR

**DUT: SGH-C225; Serial: FB-038-A**

**Program Name: SGH-C225 GSM1900 Right (Job No.: FB-038)**

**Procedure Name: Ear/Tilt, Ch.0512, Ant.Fixed, Bat.Standard**

**Procedure Notes: Meas.Tissue Temp(celsius)-21.4; Test Date-30/Jun/2004 [OET Bulletin 65-Supplement C, July 2001]**

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

Medium parameters used:  $\sigma = 1.41$ ; mho/m,  $\epsilon_r = 39.361$ ;  $\rho = 1000 \text{ kg/m}^3$

Phantom section: Right Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1735; ConvF(5.6, 5.6, 5.6); Calibrated: 2003-11-20
- Sensor-Surface: 4mm (Mechanical And Optical Surface Detection)
- Electronics: DAE3 Sn468; Calibrated: 2003-11-21
- Phantom: SAM 1800/1900 MHz; Type: SAM; Serial: TP-1143
- Measurement SW: DASY4, V4.2 Build 44; Postprocessing SW: SEMCAD, V1.8 Build 112

## Ear/Tilt, Ch.0512, Ant.Fixed, Bat.Standard/Area Scan (51x71x1):

Measurement grid: dx=20mm, dy=20mm

Reference Value = 26.4 V/m; Power Drift = -0.0002 dB

Maximum value of SAR (interpolated) = 1.14 mW/g

## Ear/Tilt, Ch.0512, Ant.Fixed, Bat.Standard/Zoom Scan (5x5x7)/Cube 0:

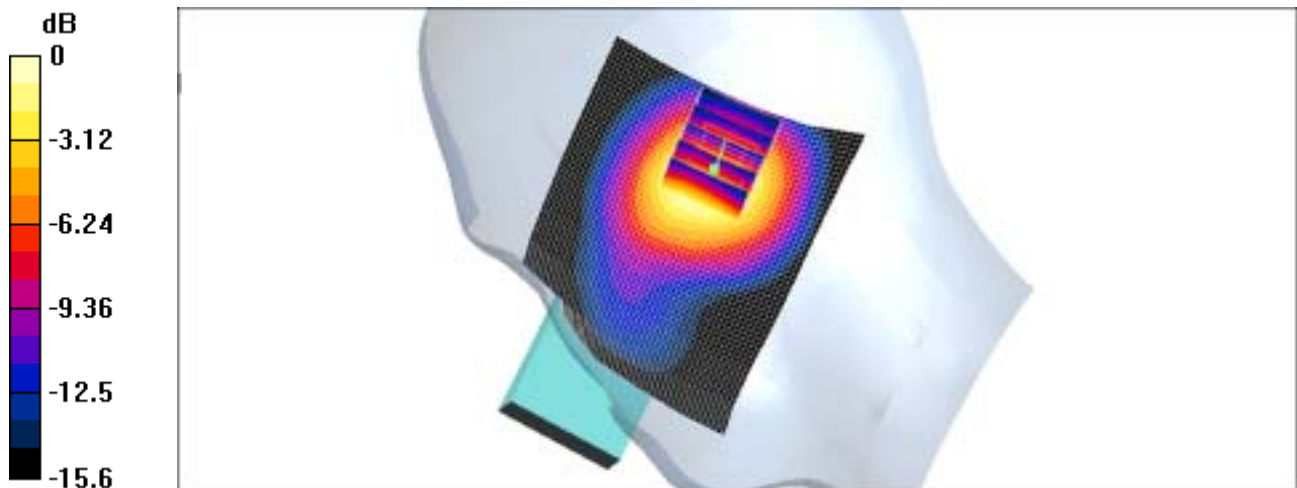
Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 26.4 V/m; Power Drift = -0.0002 dB

Maximum value of SAR (measured) = 1.08 mW/g

Peak SAR (extrapolated) = 1.6 W/kg

**SAR(1 g) = 1.01 mW/g**



# SAMSUNG FCC ID : A3LSGHC225 -- 1900MHz GSM1900 Head SAR

**DUT: SGH-C225; Serial: FB-038-A**

**Program Name: SGH-C225 GSM1900 Left (Job No.: FB-038)**

**Procedure Name: Cheek/Touch, Ch.0512, Ant.Fixed, Bat.Standard**

**Procedure Notes: Meas.Tissue Temp(celsius)-21.4; Test Date-30/Jun/2004 [OET Bulletin 65-Supplement C, July 2001]**

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

Medium parameters used:  $\sigma = 1.41$ ; mho/m,  $\epsilon_r = 39.361$ ;  $\rho = 1000 \text{ kg/m}^3$

Phantom section: Left Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1735; ConvF(5.6, 5.6, 5.6); Calibrated: 2003-11-20
- Sensor-Surface: 4mm (Mechanical And Optical Surface Detection)
- Electronics: DAE3 Sn468; Calibrated: 2003-11-21
- Phantom: SAM 1800/1900 MHz; Type: SAM; Serial: TP-1143
- Measurement SW: DASY4, V4.2 Build 44; Postprocessing SW: SEMCAD, V1.8 Build 112

## **Cheek/Touch, Ch.0512, Ant.Fixed, Bat.Standard/Area Scan (51x71x1):**

Measurement grid: dx=20mm, dy=20mm

Reference Value = 24.5 V/m; Power Drift = 0.0 dB

Maximum value of SAR (interpolated) = 0.893 mW/g

## **Cheek/Touch, Ch.0512, Ant.Fixed, Bat.Standard/Zoom Scan**

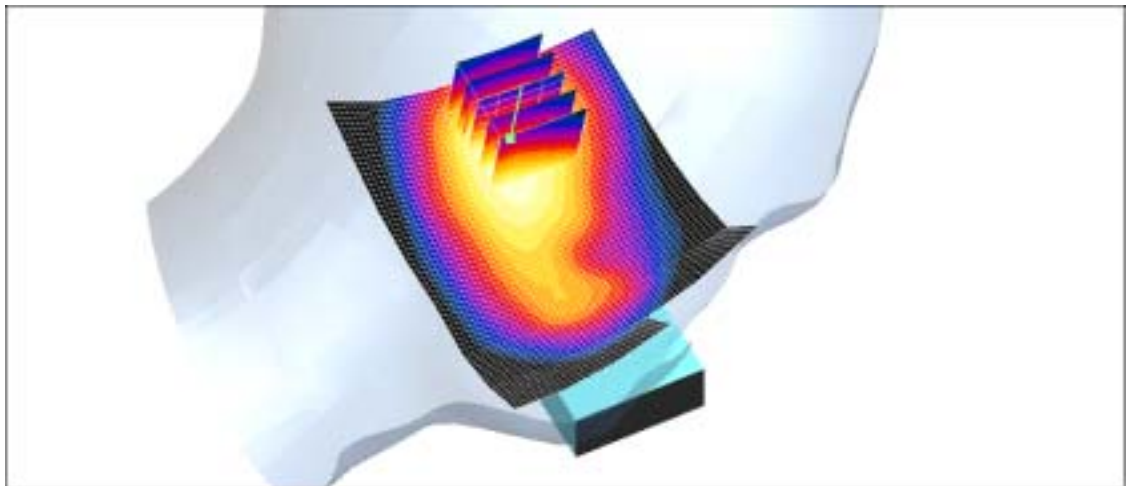
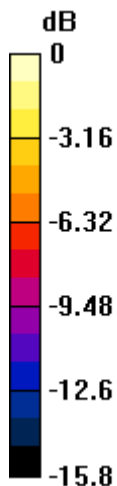
**(5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 24.5 V/m; Power Drift = 0.0 dB

Maximum value of SAR (measured) = 0.825 mW/g

Peak SAR (extrapolated) = 1.19 W/kg

**SAR(1 g) = 0.753 mW/g**



0 dB = 0.825mW/g

# SAMSUNG FCC ID : A3LSGHC225 -- 1900MHz GSM1900 Head SAR

**DUT: SGH-C225; Serial: FB-038-A**

**Program Name: SGH-C225 GSM1900 Left (Job No.: FB-038)**

**Procedure Name: Ear/Tilt, Ch.0512, Ant.Fixed, Bat.Standard**

**Procedure Notes: Meas.Tissue Temp(celsius)-21.4; Test Date-30/Jun/2004 [OET Bulletin 65-Supplement C, July 2001]**

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

Medium parameters used:  $\sigma = 1.41$ ; mho/m,  $\epsilon_r = 39.361$ ;  $\rho = 1000 \text{ kg/m}^3$

Phantom section: Left Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1735; ConvF(5.6, 5.6, 5.6); Calibrated: 2003-11-20
- Sensor-Surface: 4mm (Mechanical And Optical Surface Detection)
- Electronics: DAE3 Sn468; Calibrated: 2003-11-21
- Phantom: SAM 1800/1900 MHz; Type: SAM; Serial: TP-1143
- Measurement SW: DASY4, V4.2 Build 44; Postprocessing SW: SEMCAD, V1.8 Build 112

## Ear/Tilt, Ch.0512, Ant.Fixed, Bat.Standard/Area Scan (51x71x1):

Measurement grid: dx=20mm, dy=20mm

Reference Value = 28.5 V/m; Power Drift = -0.004 dB

Maximum value of SAR (interpolated) = 1.41 mW/g

## Ear/Tilt, Ch.0512, Ant.Fixed, Bat.Standard/Zoom Scan (5x5x7)/Cube 0:

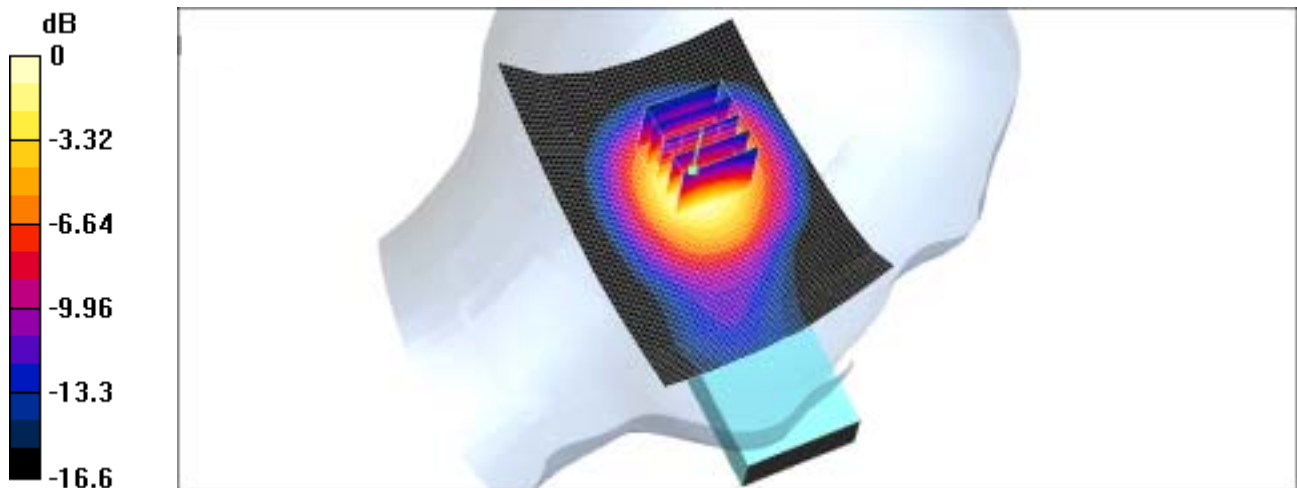
Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 28.5 V/m; Power Drift = -0.004 dB

Maximum value of SAR (measured) = 1.25 mW/g

Peak SAR (extrapolated) = 1.89 W/kg

**SAR(1 g) = 1.16 mW/g**



0 dB = 1.25mW/g

# SAMSUNG FCC ID : A3LSGHC225 -- 1900MHz GSM1900 Body SAR

**DUT: SGH-C225(Body); Serial: FB-038-A**

**Program Name: SGH-C225 GSM1900 Body (Job No.: FB-038)**

**Procedure Name: Body, Ch.0512, Ant.Fixed, Bat.Standard**

**Procedure Notes: Meas.Tissue Temp(celsius)-21.7; Test Date-30/Jun/2004 [OET Bulletin 65-Supplement C, July 2001]**

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

Medium parameters used:  $\sigma = 1.5$ ; mho/m,  $\epsilon_r = 50.9863$ ;  $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1735; ConvF(4.7, 4.7, 4.7); Calibrated: 2003-11-20
- Sensor-Surface: 4mm (Mechanical And Optical Surface Detection)
- Electronics: DAE3 Sn468; Calibrated: 2003-11-21
- Phantom: SAM 1800/1900 MHz; Type: SAM; Serial: TP-1143
- Measurement SW: DASY4, V4.2 Build 44; Postprocessing SW: SEMCAD, V1.8 Build 112

**Body, Ch.0512, Ant.Fixed, Bat.Standard/Area Scan (51x71x1):** Measurement

grid: dx=20mm, dy=20mm

Reference Value = 17.4 V/m; Power Drift = -0.0 dB

Maximum value of SAR (interpolated) = 0.465 mW/g

**Body, Ch.0512, Ant.Fixed, Bat.Standard/Zoom Scan (5x5x7)/Cube 0:**

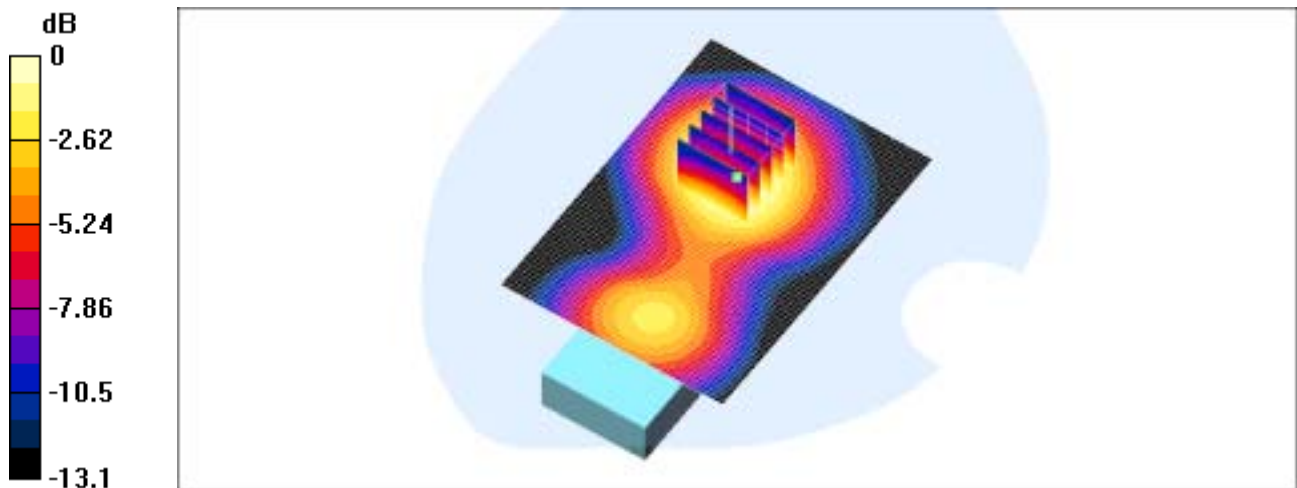
Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 17.4 V/m; Power Drift = -0.0 dB

Maximum value of SAR (measured) = 0.429 mW/g

Peak SAR (extrapolated) = 0.595 W/kg

**SAR(1 g) = 0.404 mW/g**



0 dB = 0.429mW/g

# SAMSUNG FCC ID : A3LSGHC225 -- 1900MHz GSM1900 Head SAR

**DUT: SGH-C225; Serial: FB-038-A**

**Program Name: SGH-C225 GSM1900 Left (Job No.: FB-038)**

**Procedure Name: Ear/Tilt, Ch.0512, Ant.Fixed, Bat.Standard**

**Procedure Notes: Meas.Tissue Temp(celsius)-21.4; Test Date-30/Jun/2004 [OET Bulletin 65-Supplement C, July 2001]**

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

Medium parameters used:  $\sigma = 1.41$ ; mho/m,  $\epsilon_r = 39.361$ ;  $\rho = 1000 \text{ kg/m}^3$

Phantom section: Left Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1735; ConvF(5.6, 5.6, 5.6); Calibrated: 2003-11-20
- Sensor-Surface: 4mm (Mechanical And Optical Surface Detection)
- Electronics: DAE3 Sn468; Calibrated: 2003-11-21
- Phantom: SAM 1800/1900 MHz; Type: SAM; Serial: TP-1143
- Measurement SW: DASY4, V4.2 Build 44; Postprocessing SW: SEMCAD, V1.8 Build 112

## Ear/Tilt, Ch.0512, Ant.Fixed, Bat.Standard/Area Scan (51x71x1):

Measurement grid: dx=20mm, dy=20mm

Reference Value = 28.5 V/m; Power Drift = -0.004 dB

Maximum value of SAR (interpolated) = 1.41 mW/g

## Ear/Tilt, Ch.0512, Ant.Fixed, Bat.Standard/Zoom Scan (5x5x7)/Cube 0:

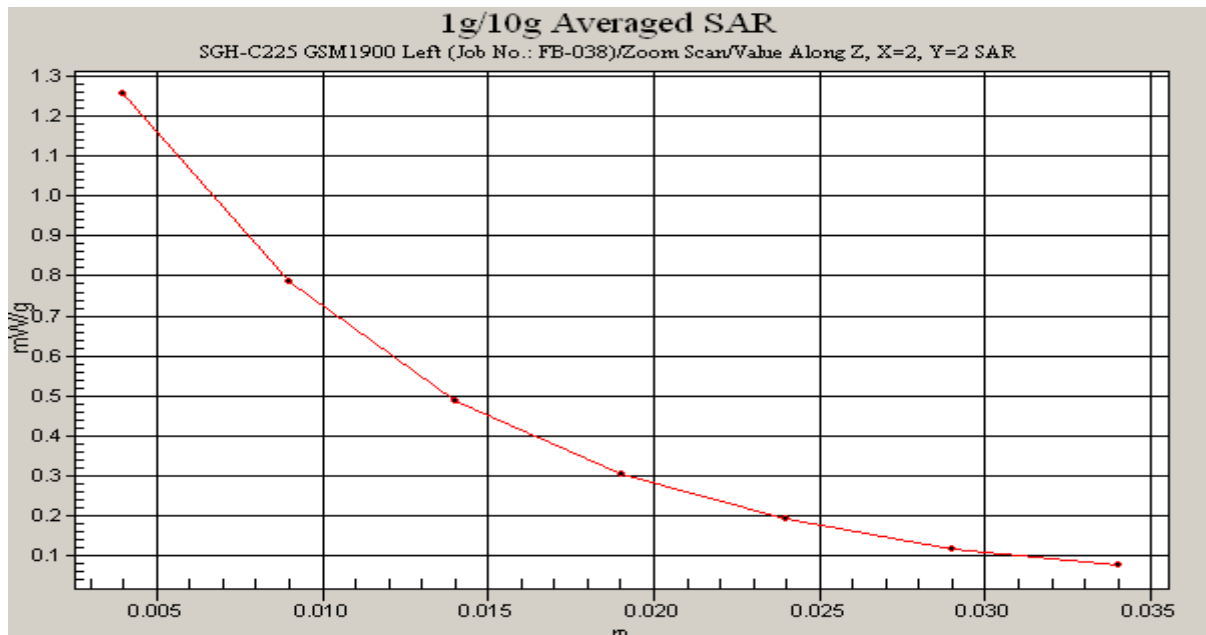
Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 28.5 V/m; Power Drift = -0.004 dB

Maximum value of SAR (measured) = 1.25 mW/g

Peak SAR (extrapolated) = 1.89 W/kg

**SAR(1 g) = 1.16 mW/g**



# SAMSUNG FCC ID : A3LSGHC225 -- 1900MHz GSM1900 Body SAR

**DUT: SGH-C225(Body); Serial: FB-038-A**

**Program Name: SGH-C225 GSM1900 Body (Job No.: FB-038)**

**Procedure Name: Body, Ch.0512, Ant.Fixed, Bat.Standard**

**Procedure Notes: Meas.Tissue Temp(celsius)-21.7; Test Date-30/Jun/2004 [OET Bulletin 65-Supplement C, July 2001]**

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

Medium parameters used:  $\sigma = 1.5$ ; mho/m,  $\epsilon_r = 50.9863$ ;  $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1735; ConvF(4.7, 4.7, 4.7); Calibrated: 2003-11-20
- Sensor-Surface: 4mm (Mechanical And Optical Surface Detection)
- Electronics: DAE3 Sn468; Calibrated: 2003-11-21
- Phantom: SAM 1800/1900 MHz; Type: SAM; Serial: TP-1143
- Measurement SW: DASY4, V4.2 Build 44; Postprocessing SW: SEMCAD, V1.8 Build 112

**Body, Ch.0512, Ant.Fixed, Bat.Standard/Area Scan (51x71x1):** Measurement

grid: dx=20mm, dy=20mm

Reference Value = 17.4 V/m; Power Drift = -0.0 dB

Maximum value of SAR (interpolated) = 0.465 mW/g

**Body, Ch.0512, Ant.Fixed, Bat.Standard/Zoom Scan (5x5x7)/Cube 0:**

Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 17.4 V/m; Power Drift = -0.0 dB

Maximum value of SAR (measured) = 0.429 mW/g

Peak SAR (extrapolated) = 0.595 W/kg

**SAR(1 g) = 0.404 mW/g**

