

# SAMSUNG FCC ID : A3LSGHX910 -- 1900MHz PCS GSM Head SAR

**DUT: SGH-X910; Serial: FB-030-E**

**Program Name: SGH-X910 GSM1900 Right(Job No.: FB-030)**

**Procedure Name: Cheek/Touch, Ch.512, Ant.Fixed, Bat.Standard**

**Procedure Notes: Meas.Tissue Temp(celsius)-21.1;Test Date-14/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:  $\sigma = 1.42$ ; mho/m,  $\epsilon_r = 39.7318$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Right Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1734; ConvF(5.28, 5.28, 5.28); Calibrated: 2004-02-02
- Sensor-Surface: 4mm (Mechanical And Optical Surface Detection)
- Electronics: DAE3 Sn486; Calibrated: 2003-11-17
- Phantom: SAM 1800/1900 MHz; Type: SAM; Serial: TP-1248
- Measurement SW: DASY4, V4.2 Build 44; Postprocessing SW: SEMCAD, V1.8 Build 112

## **Cheek/Touch, Ch.512, Ant.Fixed, Bat.Standard/Area Scan (61x81x1):**

Measurement grid: dx=15mm, dy=15mm

Reference Value = 9.79 V/m; Power Drift = -0.1 dB

Maximum value of SAR (interpolated) = 1.16 mW/g

## **Cheek/Touch, Ch.512, Ant.Fixed, Bat.Standard/Zoom Scan (5x5x7)/Cube**

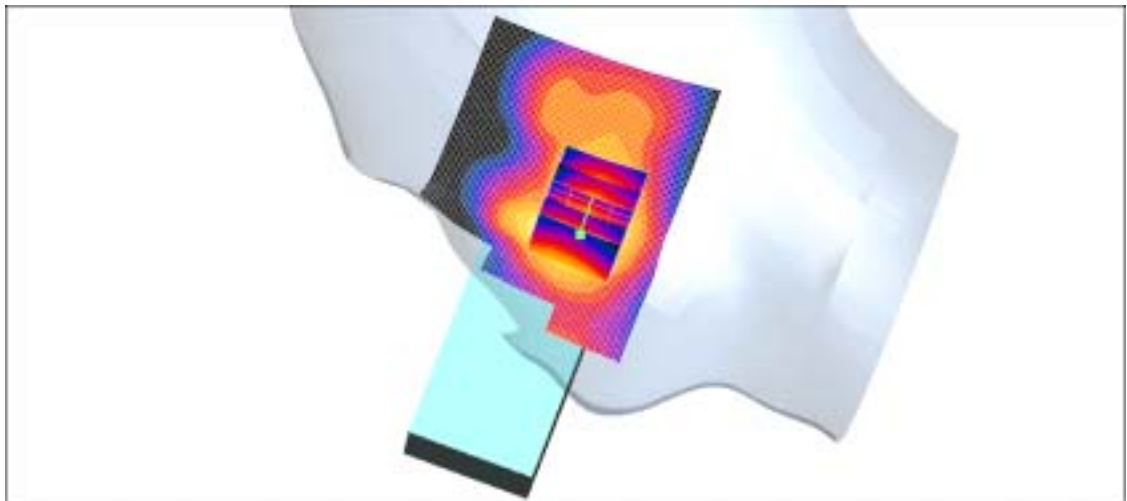
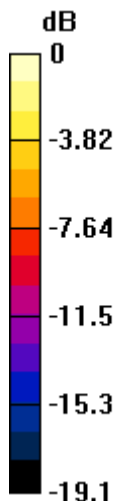
**0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 9.79 V/m; Power Drift = -0.1 dB

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

Peak SAR (extrapolated) = 1.75 W/kg

**SAR(1 g) = 1.1 mW/g**



0 dB = 1.25mW/g

# SAMSUNG FCC ID : A3LSGHX910 -- 1900MHz PCS GSM Head SAR

**DUT: SGH-X910; Serial: FB-030-E**

**Program Name: SGH-X910 GSM1900 Right(Job No.: FB-030)**

**Procedure Name: Ear/Tilt, Ch.661, Ant.Fixed, Bat.Standard**

**Procedure Notes: Meas.Tissue Temp(celsius)-21.1;Test Date-14/Jun/2004[OET Bulletin 65-Supplement C, July 2001]**

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

Medium parameters used:  $\sigma = 1.42$ ; mho/m,  $\epsilon_r = 39.7318$ ;  $\rho = 1000 \text{ kg/m}^3$

Phantom section: Right Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1734; ConvF(5.28, 5.28, 5.28); Calibrated: 2004-02-02
- Sensor-Surface: 4mm (Mechanical And Optical Surface Detection)
- Electronics: DAE3 Sn486; Calibrated: 2003-11-17
- Phantom: SAM 1800/1900 MHz; Type: SAM; Serial: TP-1248
- Measurement SW: DASY4, V4.2 Build 44; Postprocessing SW: SEMCAD, V1.8 Build 112

## **Ear/Tilt, Ch.661, Ant.Fixed, Bat.Standard/Area Scan (61x81x1):**

Measurement grid: dx=15mm, dy=15mm

Reference Value = 10.6 V/m; Power Drift = -0.0 dB

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

## **Ear/Tilt, Ch.661, Ant.Fixed, Bat.Standard/Zoom Scan (5x5x7)/Cube 0:**

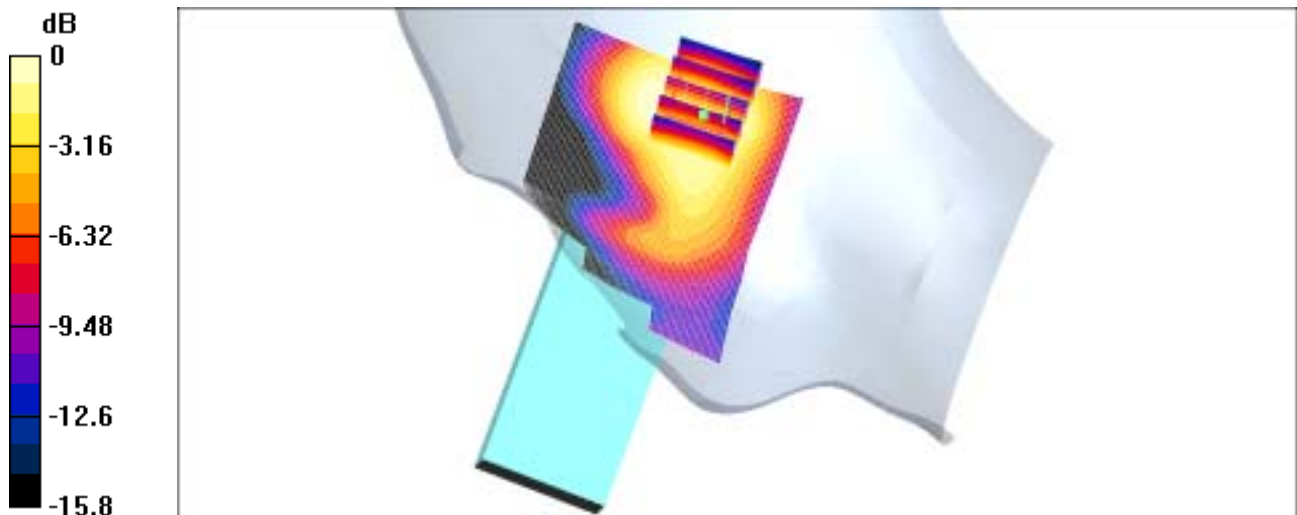
Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 10.6 V/m; Power Drift = -0.0 dB

Maximum value of SAR (measured) = 0.227 mW/g

Peak SAR (extrapolated) = 0.326 W/kg

**SAR(1 g) = 0.218 mW/g**



0 dB = 0.227mW/g

# SAMSUNG FCC ID : A3LSGHX910 -- 1900MHz PCS GSM Head SAR

**DUT: SGH-X910; Serial: FB-030-E**

**Program Name: SGH-X910 GSM1900 Left(Job No.: FB-030)**

**Procedure Name: Cheek/Touch, Ch.512, Ant.Fixed, Bat.Standard**

**Procedure Notes: Meas.Tissue Temp(celsius)-21.1;Test Date-14/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:  $\sigma = 1.42$ ; mho/m,  $\epsilon_r = 39.7318$ ;  $\rho = 1000 \text{ kg/m}^3$

Phantom section: Left Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1734; ConvF(5.28, 5.28, 5.28); Calibrated: 2004-02-02
- Sensor-Surface: 4mm (Mechanical And Optical Surface Detection)
- Electronics: DAE3 Sn486; Calibrated: 2003-11-17
- Phantom: SAM 1800/1900 MHz; Type: SAM; Serial: TP-1248
- Measurement SW: DASY4, V4.2 Build 44; Postprocessing SW: SEMCAD, V1.8 Build 112

## **Cheek/Touch, Ch.512, Ant.Fixed, Bat.Standard/Area Scan (61x81x1):**

Measurement grid: dx=15mm, dy=15mm

Reference Value = 10.3 V/m; Power Drift = -0.1 dB

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

## **Cheek/Touch, Ch.512, Ant.Fixed, Bat.Standard/Zoom Scan (5x5x7)/Cube**

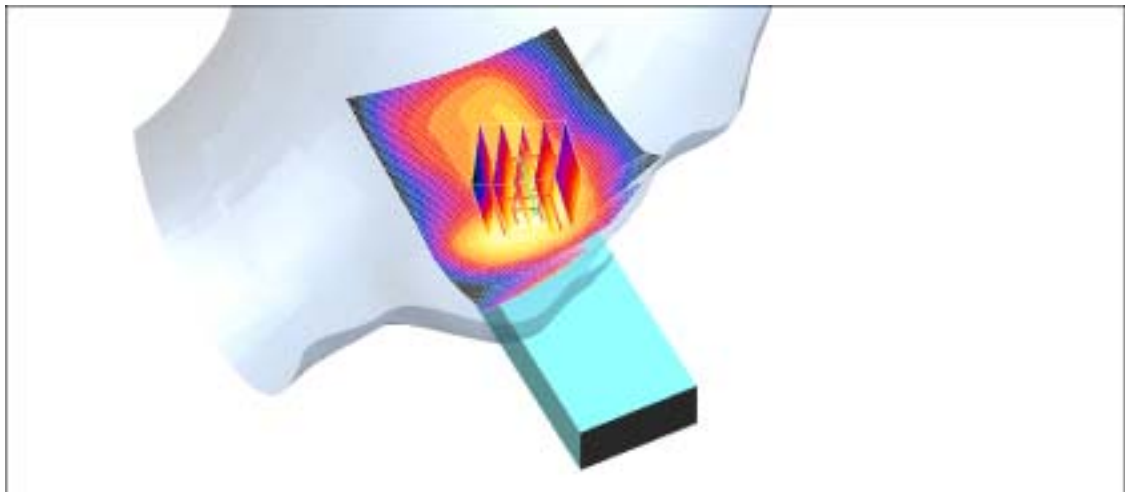
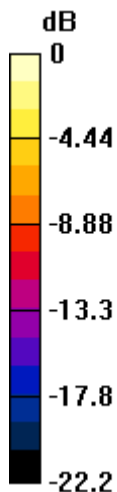
**0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 10.3 V/m; Power Drift = -0.1 dB

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

Peak SAR (extrapolated) = 1.73 W/kg

**SAR(1 g) = 1.13 mW/g**



0 dB = 1.25mW/g

# SAMSUNG FCC ID : A3LSGHX910 -- 1900MHz PCS GSM Head SAR

**DUT: SGH-X910; Serial: FB-030-E**

**Program Name: SGH-X910 GSM1900 Left(Job No.: FB-030)**

**Procedure Name: Ear/Tilt, Ch.661, Ant.Fixed, Bat.Standard**

**Procedure Notes: Meas.Tissue Temp(celsius)-21.1;Test Date-14/Jun/2004[OET Bulletin 65-Supplement C, July 2001]**

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

Medium parameters used:  $\sigma = 1.42$ ; mho/m,  $\epsilon_r = 39.7318$ ;  $\rho = 1000 \text{ kg/m}^3$

Phantom section: Left Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1734; ConvF(5.28, 5.28, 5.28); Calibrated: 2004-02-02
- Sensor-Surface: 4mm (Mechanical And Optical Surface Detection)
- Electronics: DAE3 Sn486; Calibrated: 2003-11-17
- Phantom: SAM 1800/1900 MHz; Type: SAM; Serial: TP-1248
- Measurement SW: DASY4, V4.2 Build 44; Postprocessing SW: SEMCAD, V1.8 Build 112

## Ear/Tilt, Ch.661, Ant.Fixed, Bat.Standard/Area Scan (61x81x1):

Measurement grid: dx=15mm, dy=15mm

Reference Value = 11.2 V/m; Power Drift = -0.0 dB

Maximum value of SAR (interpolated) = 0.323 mW/g

## Ear/Tilt, Ch.661, Ant.Fixed, Bat.Standard/Zoom Scan (5x5x7)/Cube 0:

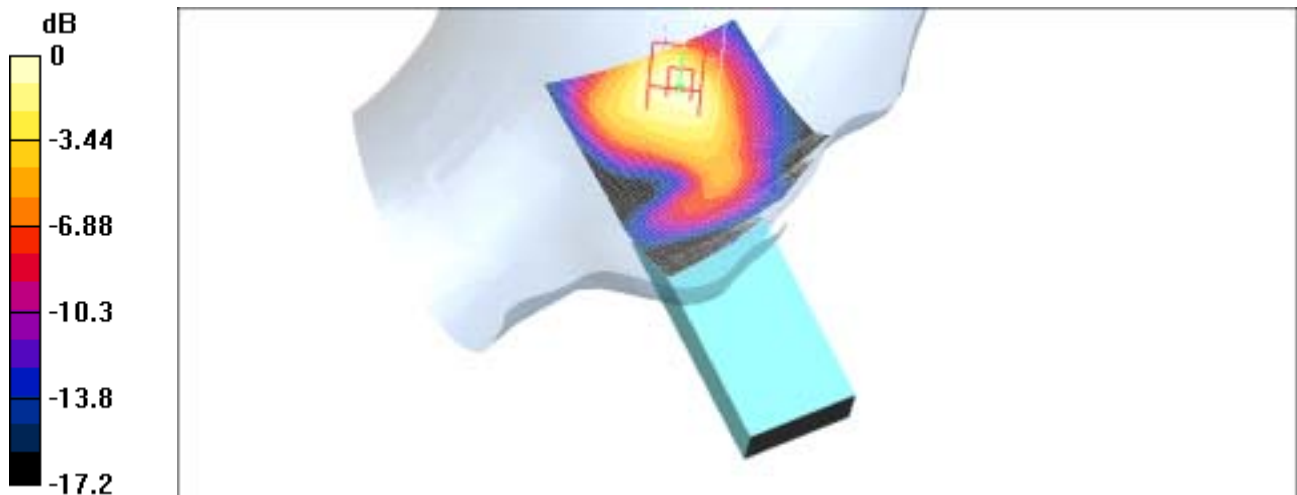
Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 11.2 V/m; Power Drift = -0.0 dB

Maximum value of SAR (measured) = 0.307 mW/g

Peak SAR (extrapolated) = 0.431 W/kg

**SAR(1 g) = 0.276 mW/g**



0 dB = 0.307mW/g

# SAMSUNG FCC ID : A3LSGHX910 -- 1900MHz PCS GSM Body SAR

**DUT: SGH-X910(Body); Serial: FB-030-E**

**Program Name: SGH-X910 GSM1900 Body(Job No.: FB-030)**

**Procedure Name: Body, Ch.512, Ant.Fixed, Bat.Standard**

**Procedure Notes: Meas.Tissue Temp(celsius)-20.8;Test Date-14/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:  $\sigma = 1.54$ ; mho/m,  $\epsilon_r = 50.8191$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1734; ConvF(4.69, 4.69, 4.69); Calibrated: 2004-02-02
- Sensor-Surface: 4mm (Mechanical And Optical Surface Detection)
- Electronics: DAE3 Sn486; Calibrated: 2003-11-17
- Phantom: SAM 1800/1900 MHz; Type: SAM; Serial: TP-1248
- Measurement SW: DASY4, V4.2 Build 44; Postprocessing SW: SEMCAD, V1.8 Build 112

**Body, Ch.512, Ant.Fixed, Bat.Standard/Area Scan (51x81x1):** Measurement grid: dx=15mm, dy=15mm

Reference Value = 13.8 V/m; Power Drift = 0.0 dB

Maximum value of SAR (interpolated) = 0.364 mW/g

**Body, Ch.512, Ant.Fixed, Bat.Standard/Zoom Scan (5x5x7)/Cube 0:**

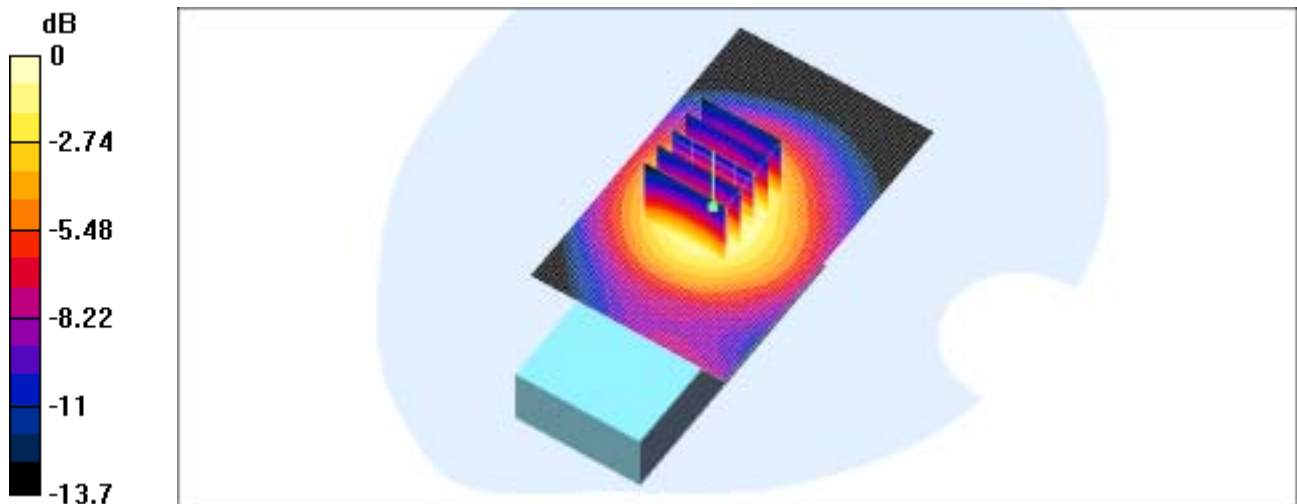
Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 13.8 V/m; Power Drift = 0.0 dB

Maximum value of SAR (measured) = 0.352 mW/g

Peak SAR (extrapolated) = 0.484 W/kg

**SAR(1 g) = 0.329 mW/g**



0 dB = 0.352mW/g

# SAMSUNG FCC ID : A3LSGHX910 -- 1900MHz PCS GSM Head SAR

**DUT: SGH-X910; Serial: FB-030-E**

**Program Name: SGH-X910 GSM1900 Left(Job No.: FB-030)**

**Procedure Name: Cheek/Touch, Ch.512, Ant.Fixed, Bat.Standard**

**Procedure Notes: Meas.Tissue Temp(celsius)-21.1;Test Date-14/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:  $\sigma = 1.42$ ; mho/m,  $\epsilon_r = 39.7318$ ;  $\rho = 1000 \text{ kg/m}^3$

Phantom section: Left Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1734; ConvF(5.28, 5.28, 5.28); Calibrated: 2004-02-02
- Sensor-Surface: 4mm (Mechanical And Optical Surface Detection)
- Electronics: DAE3 Sn486; Calibrated: 2003-11-17
- Phantom: SAM 1800/1900 MHz; Type: SAM; Serial: TP-1248
- Measurement SW: DASY4, V4.2 Build 44; Postprocessing SW: SEMCAD, V1.8 Build 112

## **Cheek/Touch, Ch.512, Ant.Fixed, Bat.Standard/Area Scan (61x81x1):**

Measurement grid: dx=15mm, dy=15mm

Reference Value = 10.3 V/m; Power Drift = -0.1 dB

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

## **Cheek/Touch, Ch.512, Ant.Fixed, Bat.Standard/Zoom Scan (5x5x7)/Cube**

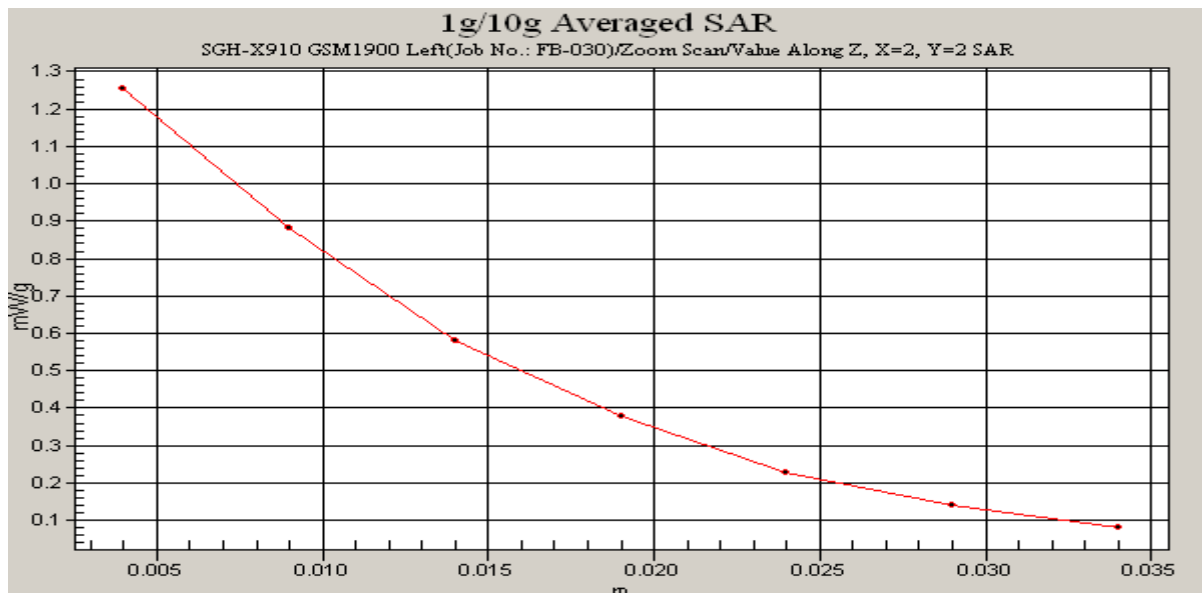
**0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 10.3 V/m; Power Drift = -0.1 dB

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

Peak SAR (extrapolated) = 1.73 W/kg

**SAR(1 g) = 1.13 mW/g; SAR(10 g) = 0.609 mW/g**



# SAMSUNG FCC ID : A3LSGHX910 -- 1900MHz PCS GSM Body SAR

**DUT: SGH-X910(Body); Serial: FB-030-E**

**Program Name: SGH-X910 GSM1900 Body(Job No.: FB-030)**

**Procedure Name: Body, Ch.512, Ant.Fixed, Bat.Standard**

**Procedure Notes: Meas.Tissue Temp(celsius)-20.8;Test Date-14/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:  $\sigma = 1.54$ ; mho/m,  $\epsilon_r = 50.8191$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1734; ConvF(4.69, 4.69, 4.69); Calibrated: 2004-02-02
- Sensor-Surface: 4mm (Mechanical And Optical Surface Detection)
- Electronics: DAE3 Sn486; Calibrated: 2003-11-17
- Phantom: SAM 1800/1900 MHz; Type: SAM; Serial: TP-1248
- Measurement SW: DASY4, V4.2 Build 44; Postprocessing SW: SEMCAD, V1.8 Build 112

**Body, Ch.512, Ant.Fixed, Bat.Standard/Area Scan (51x81x1):** Measurement grid: dx=15mm, dy=15mm

Reference Value = 13.8 V/m; Power Drift = 0.0 dB

Maximum value of SAR (interpolated) = 0.364 mW/g

**Body, Ch.512, Ant.Fixed, Bat.Standard/Zoom Scan (5x5x7)/Cube 0:**

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

Reference Value = 13.8 V/m; Power Drift = 0.0 dB

Maximum value of SAR (measured) = 0.352 mW/g

Peak SAR (extrapolated) = 0.484 W/kg

**SAR(1 g) = 0.329 mW/g**

