

SAMSUNG FCC ID : A3LSGHX475 -- 1900MHz GSM1900 Head SAR

DUT: SGH-X475; Serial: FB-067-C

Program Name: SGH-X475 GSM1900 Right (Job No.: FB-067)

Procedure Name: Cheek/Touch, Ch.810, Ant.Intenna, Bat.Standard

Procedure Notes: Meas.Tissue Temp(celsius)-21.2;Test Date-11/Nov/2004 [OET Bulletin 65-Supplement C, July 2001]

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

Medium parameters used: $f = 1909.8 \text{ MHz}$; $\sigma = 1.39 \text{ mho/m}$; $\epsilon_r = 38.8$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Right Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1551; ConvF(5, 5, 5); Calibrated: 2004-04-27
- Sensor-Surface: 4mm (Mechanical And Optical Surface Detection)
- Electronics: DAE3 Sn486; Calibrated: 2004-08-23
- Phantom: SAM 1800/1900 MHz; Type: SAM; Serial: TP-1248
- Measurement SW: DASY4, V4.3 Build 22; Postprocessing SW: SEMCAD, V1.8 Build 127

Cheek/Touch, Ch.810, Ant.Intenna, Bat.Standard/Area Scan (51x71x1): Measurement grid: $dx=20\text{mm}$, $dy=20\text{mm}$

Maximum value of SAR (interpolated) = 1.33 mW/g

Cheek/Touch, Ch.810, Ant.Intenna, Bat.Standard/Zoom Scan (5x5x7)/Cube 0:

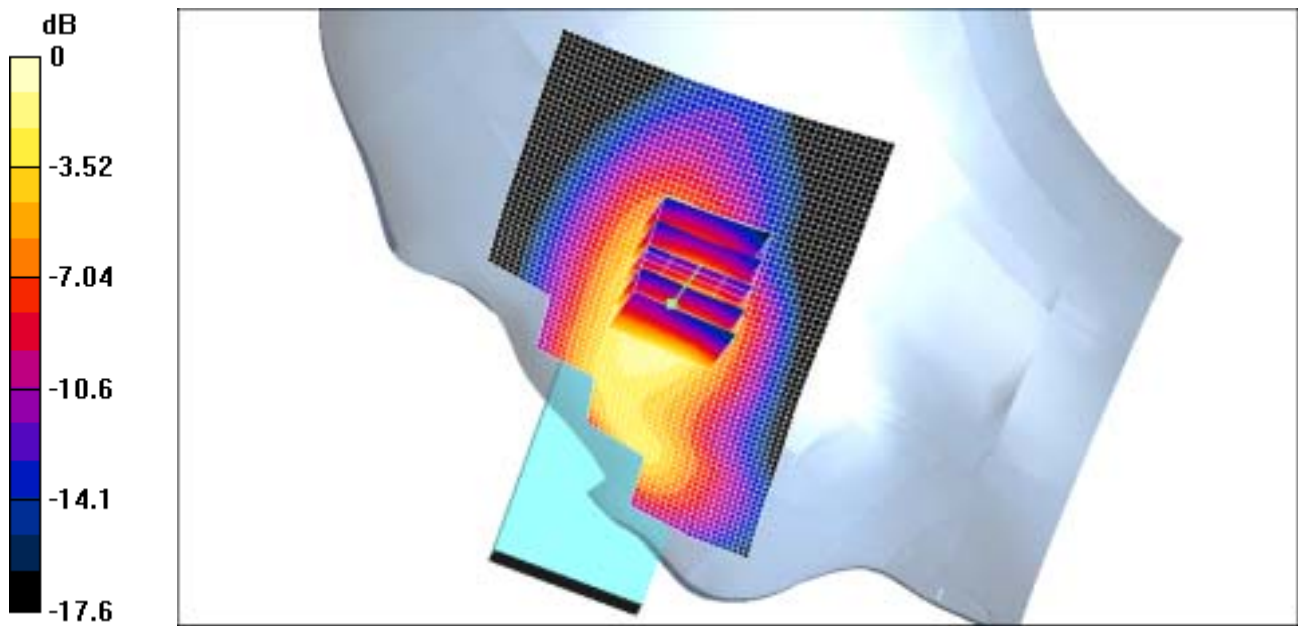
Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

Reference Value = 8.1 V/m; Power Drift = -0.0 dB

Peak SAR (extrapolated) = 1.69 W/kg

SAR(1 g) = 1.08 mW/g

Maximum value of SAR (measured) = 1.17 mW/g



0 dB = 1.17mW/g

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DUT: SGH-X475; Serial: FB-067-C

Program Name: SGH-X475 GSM1900 Right (Job No.: FB-067)

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

Procedure Notes: Meas.Tissue Temp(celsius)-21.2;Test Date-11/Nov/2004 [OET Bulletin 65-Supplement C, July 2001]

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

Medium parameters used: $f = 1880 \text{ MHz}$; $\sigma = 1.39 \text{ mho/m}$; $\epsilon_r = 38.8$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Right Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1551; ConvF(5, 5, 5); Calibrated: 2004-04-27
- Sensor-Surface: 4mm (Mechanical And Optical Surface Detection)
- Electronics: DAE3 Sn486; Calibrated: 2004-08-23
- Phantom: SAM 1800/1900 MHz; Type: SAM; Serial: TP-1248
- Measurement SW: DASY4, V4.3 Build 22; Postprocessing SW: SEMCAD, V1.8 Build 127

Ear/Tilt, Ch.661, Ant.Intenna, Bat.Standard/Area Scan (51x71x1): Measurement grid:

$dx=20\text{mm}$, $dy=20\text{mm}$

Maximum value of SAR (interpolated) = 0.197 mW/g

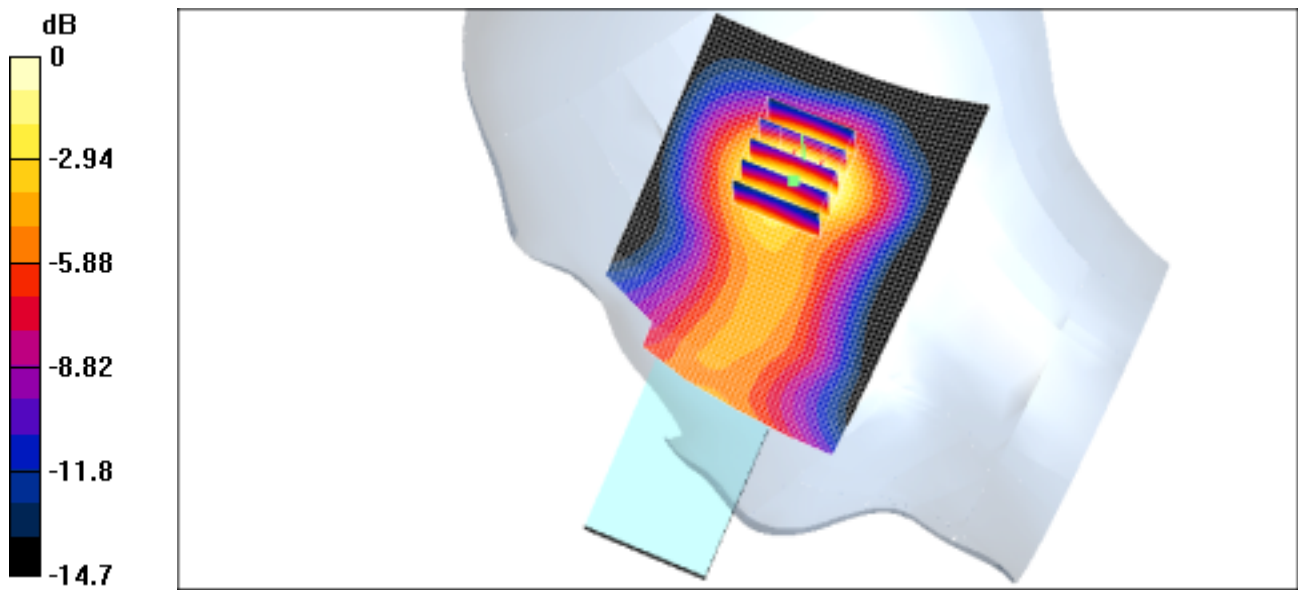
Ear/Tilt, Ch.661, Ant.Intenna, Bat.Standard/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

Reference Value = 11.6 V/m; Power Drift = -0.0 dB

Peak SAR (extrapolated) = 0.218 W/kg

SAR(1 g) = 0.152 mW/g

Maximum value of SAR (measured) = 0.163 mW/g



0 dB = 0.163mW/g

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DUT: SGH-X475; Serial: FB-067-C

Program Name: SGH-X475 GSM1900 Left (Job No.: FB-067)

Procedure Name: Cheek/Touch, Ch.810, Ant.Intenna, Bat.Standard

Procedure Notes: Meas.Tissue Temp(celsius)-21.2;Test Date-11/Nov/2004 [OET Bulletin 65-Supplement C, July 2001]

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

Medium parameters used: $f = 1909.8 \text{ MHz}$; $\sigma = 1.39 \text{ mho/m}$; $\epsilon_r = 38.8$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Left Section

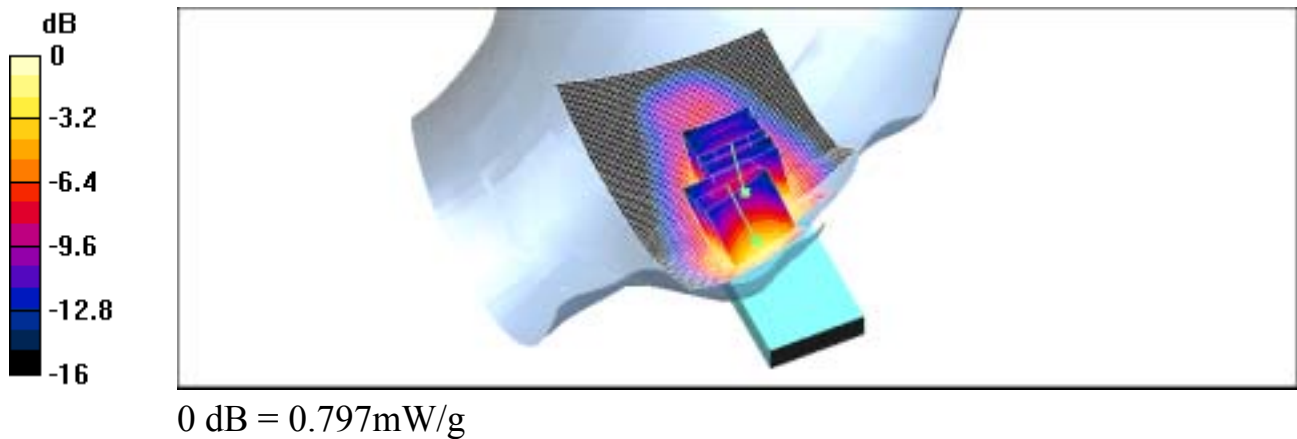
DASY4 Configuration:

- Probe: ET3DV6 - SN1551; ConvF(5, 5, 5); Calibrated: 2004-04-27
- Sensor-Surface: 4mm (Mechanical And Optical Surface Detection)
- Electronics: DAE3 Sn486; Calibrated: 2004-08-23
- Phantom: SAM 1800/1900 MHz; Type: SAM; Serial: TP-1248
- Measurement SW: DASY4, V4.3 Build 22; Postprocessing SW: SEMCAD, V1.8 Build 127

Cheek/Touch, Ch.810, Ant.Intenna, Bat.Standard/Area Scan (51x71x1): Measurement grid: $dx=20\text{mm}$, $dy=20\text{mm}$
Maximum value of SAR (interpolated) = 0.887 mW/g

Cheek/Touch, Ch.810, Ant.Intenna, Bat.Standard/Zoom Scan (5x5x7)/Cube 0:
Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$
Reference Value = 7.02 V/m; Power Drift = -0.1 dB
Peak SAR (extrapolated) = 1.05 W/kg
SAR(1 g) = 0.785 mW/g
Maximum value of SAR (measured) = 0.827 mW/g

Cheek/Touch, Ch.810, Ant.Intenna, Bat.Standard/Zoom Scan (5x5x7)/Cube 1:
Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$
Reference Value = 7.02 V/m; Power Drift = -0.1 dB
Peak SAR (extrapolated) = 1.18 W/kg
SAR(1 g) = 0.747 mW/g
Maximum value of SAR (measured) = 0.797 mW/g



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Program Name: SGH-X475 GSM1900 Left (Job No.: FB-067)

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

Procedure Notes: Meas.Tissue Temp(celsius)-21.2;Test Date-11/Nov/2004 [OET Bulletin 65-Supplement C, July 2001]

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

Medium parameters used: $f = 1880 \text{ MHz}$; $\sigma = 1.39 \text{ mho/m}$; $\epsilon_r = 38.8$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Left Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1551; ConvF(5, 5, 5); Calibrated: 2004-04-27
- Sensor-Surface: 4mm (Mechanical And Optical Surface Detection)
- Electronics: DAE3 Sn486; Calibrated: 2004-08-23
- Phantom: SAM 1800/1900 MHz; Type: SAM; Serial: TP-1248
- Measurement SW: DASY4, V4.3 Build 22; Postprocessing SW: SEMCAD, V1.8 Build 127

Ear/Tilt, Ch.661, Ant.Intenna, Bat.Standard/Area Scan (51x71x1): Measurement grid:

$dx=20\text{mm}$, $dy=20\text{mm}$

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

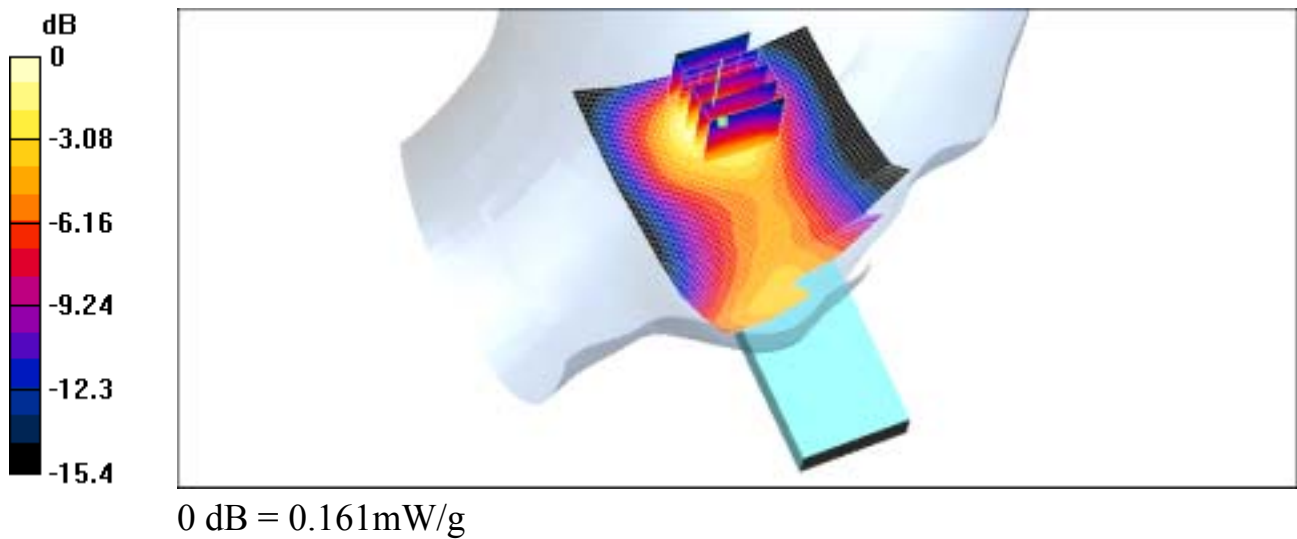
Ear/Tilt, Ch.661, Ant.Intenna, Bat.Standard/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

Reference Value = 11 V/m; Power Drift = -0.0 dB

Peak SAR (extrapolated) = 0.224 W/kg

SAR(1 g) = 0.151 mW/g

Maximum value of SAR (measured) = 0.161 mW/g



SAMSUNG FCC ID : A3LSGHX475 -- 1900MHz GSM1900 Body SAR

DUT: SGH-X475(Body); Serial: FB-067-C
Program Name: SGH-X475 GSM1900 Body (Job No.: FB-067)
Procedure Name: Body, Ch.810, Ant.Intenna, Bat.Standard (holster rotated -90)
Procedure Notes: Meas.Tissue Temp(celsius)-21.5;Test Date-07/Dec/2004[OET Bulletin 65-Supplement C, July 2001]

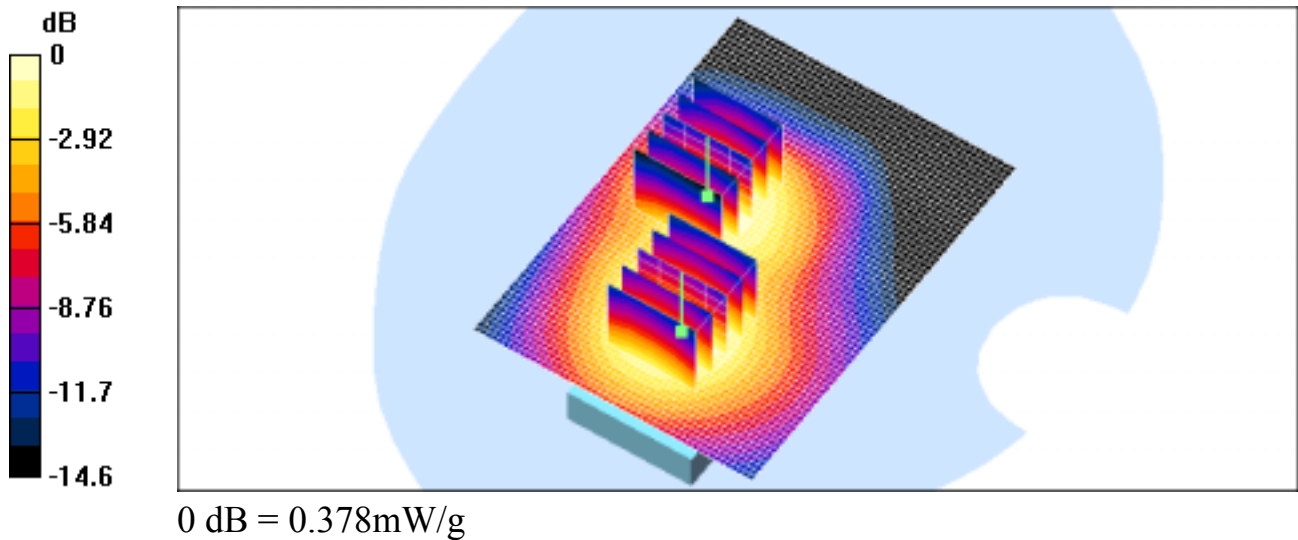
Communication System: GSM 1900; Frequency: 1909.8 MHz;Duty Cycle: 1:8.3
Medium parameters used: $f = 1909.8 \text{ MHz}$; $\sigma = 1.53 \text{ mho/m}$; $\epsilon_r = 52.2$; $\rho = 1000 \text{ kg/m}^3$
Phantom section: Flat Section

- DASY4 Configuration:
- Probe: ET3DV6 - SN1551; ConvF(4.51, 4.51, 4.51); Calibrated: 2004-04-27
 - Sensor-Surface: 4mm (Mechanical And Optical Surface Detection)
 - Electronics: DAE3 Sn486; Calibrated: 2004-08-23
 - Phantom: SAM 1800/1900 MHz; Type: SAM; Serial: TP-1248
 - Measurement SW: DASY4, V4.3 Build 22; Postprocessing SW: SEMCAD, V1.8 Build 130

Body, Ch.810, Ant.Intenna, Bat.Standard (holster rotated -90)/Area Scan
(51x71x1): Measurement grid: $dx=20\text{mm}$, $dy=20\text{mm}$
Maximum value of SAR (interpolated) = 0.419 mW/g

Body, Ch.810, Ant.Intenna, Bat.Standard (holster rotated -90)/Zoom Scan
(5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$
Reference Value = 12.6 V/m ; Power Drift = -0.1 dB
Peak SAR (extrapolated) = 0.540 W/kg
SAR(1 g) = 0.380 mW/g
Maximum value of SAR (measured) = 0.411 mW/g

Body, Ch.810, Ant.Intenna, Bat.Standard (holster rotated -90)/Zoom Scan
(5x5x7)/Cube 1: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$
Reference Value = 12.6 V/m ; Power Drift = -0.1 dB
Peak SAR (extrapolated) = 0.526 W/kg
SAR(1 g) = 0.360 mW/g
Maximum value of SAR (measured) = 0.378 mW/g



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Program Name: SGH-X475 GSM1900 Right (Job No.: FB-067)

Procedure Name: Cheek/Touch, Ch.810, Ant.Intenna, Bat.Standard

Procedure Notes: Meas.Tissue Temp(celsius)-21.2;Test Date-11/Nov/2004 [OET Bulletin 65-Supplement C, July 2001]

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

Medium parameters used: f = 1909.8 MHz; σ = 1.39 mho/m; ϵ_r = 38.8; ρ = 1000 kg/m³

Phantom section: Right Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1551; ConvF(5, 5, 5); Calibrated: 2004-04-27
- Sensor-Surface: 4mm (Mechanical And Optical Surface Detection)
- Electronics: DAE3 Sn486; Calibrated: 2004-08-23
- Phantom: SAM 1800/1900 MHz; Type: SAM; Serial: TP-1248
- Measurement SW: DASY4, V4.3 Build 22; Postprocessing SW: SEMCAD, V1.8 Build 130

Cheek/Touch, Ch.810, Ant.Intenna, Bat.Standard/Area Scan (51x71x1): Measurement grid: dx=20mm, dy=20mm

Maximum value of SAR (interpolated) = 1.33 mW/g

Cheek/Touch, Ch.810, Ant.Intenna, Bat.Standard/Zoom Scan (5x5x7)/Cube 0:

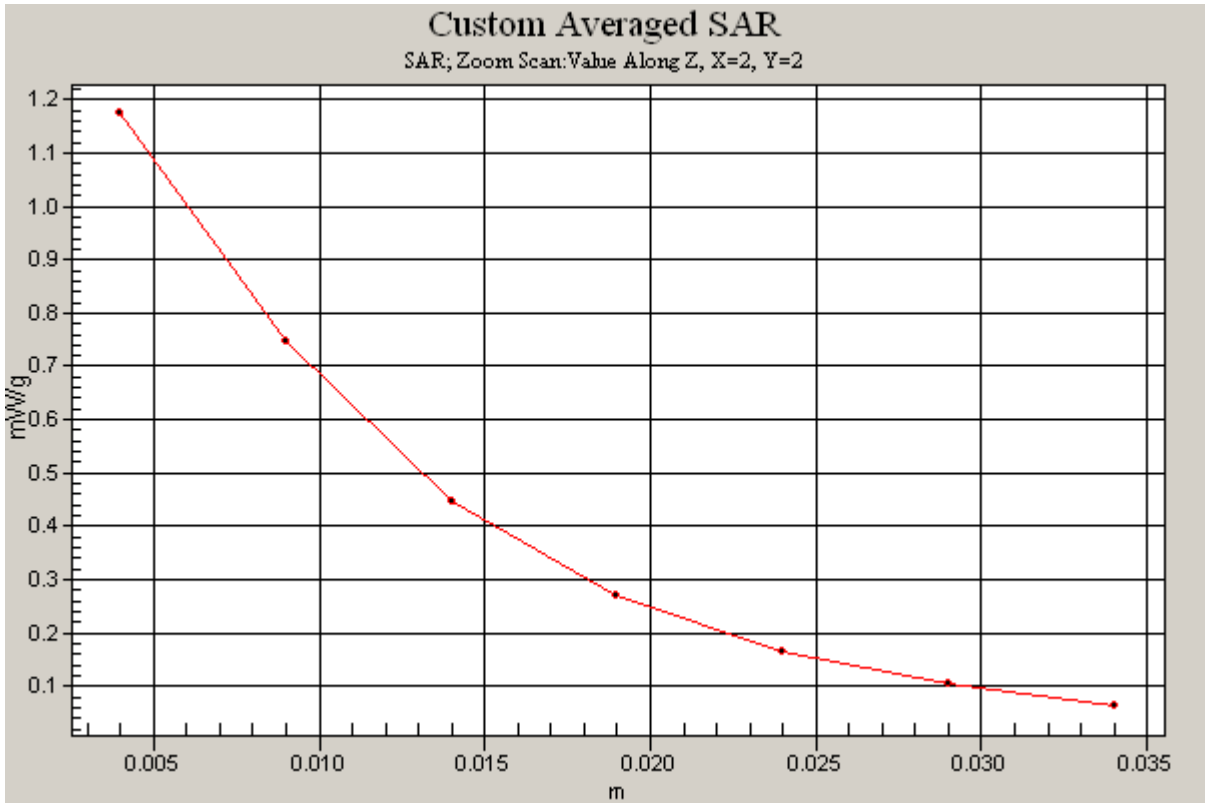
Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 8.1 V/m; Power Drift = -0.0 dB

Peak SAR (extrapolated) = 1.69 W/kg

SAR(1 g) = 1.08 mW/g

Maximum value of SAR (measured) = 1.17 mW/g



SAMSUNG FCC ID : A3LSGHX475 -- 1900MHz GSM1900 Body SAR

DUT: SGH-X475(Body); Serial: FB-067-C
Program Name: SGH-X475 GSM1900 Body (Job No.: FB-067)
Procedure Name: Body, Ch.810, Ant.Intenna, Bat.Standard (holster rotated -90)
Procedure Notes: Meas.Tissue Temp(celsius)-21.5;Test Date-07/Dec/2004[OET Bulletin 65-Supplement C, July 2001]

Communication System: GSM 1900; Frequency: 1909.8 MHz;Duty Cycle: 1:8.3
Medium parameters used: $f = 1909.8 \text{ MHz}$; $\sigma = 1.53 \text{ mho/m}$; $\epsilon_r = 52.2$; $\rho = 1000 \text{ kg/m}^3$
Phantom section: Flat Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1551; ConvF(4.51, 4.51, 4.51); Calibrated: 2004-04-27
- Sensor-Surface: 4mm (Mechanical And Optical Surface Detection)
- Electronics: DAE3 Sn486; Calibrated: 2004-08-23
- Phantom: SAM 1800/1900 MHz; Type: SAM; Serial: TP-1248
- Measurement SW: DASY4, V4.3 Build 22; Postprocessing SW: SEMCAD, V1.8 Build 130

Body, Ch.810, Ant.Intenna, Bat.Standard (holster rotated -90)/Area Scan
(51x71x1): Measurement grid: $dx=20\text{mm}$, $dy=20\text{mm}$
Maximum value of SAR (interpolated) = 0.419 mW/g

Body, Ch.810, Ant.Intenna, Bat.Standard (holster rotated -90)/Zoom Scan
(5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$
Reference Value = 12.6 V/m; Power Drift = -0.1 dB
Peak SAR (extrapolated) = 0.540 W/kg
SAR(1 g) = 0.380 mW/g
Maximum value of SAR (measured) = 0.411 mW/g

Body, Ch.810, Ant.Intenna, Bat.Standard (holster rotated -90)/Zoom Scan
(5x5x7)/Cube 1: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$
Reference Value = 12.6 V/m; Power Drift = -0.1 dB
Peak SAR (extrapolated) = 0.526 W/kg
SAR(1 g) = 0.360 mW/g
Maximum value of SAR (measured) = 0.378 mW/g

