SAMSUNG FCC ID : A3LSGHE610 -- 1900MHz PCS GSM Head SAR

DUT: SGH-E610; Serial: FB-034-C

Program Name: SGH-E610 GSM1900 Right (Job No.: FB-034)
Procedure Name: Cheek/Touch, Ch.0661, Ant.Fixed, Bat.Extended
Procedure Notes: Meas.Tissue Temp(celsius)-21.2; Test Date-16/Jun/2004 [OET Bulletin 65-Supplement C, July 2001]

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

Medium parameters used: σ = 1.39; mho/m, ε_r = 38.3814; ρ = 1000 kg/m^3

Phantom section: Right Section

DASY4 Configuration:

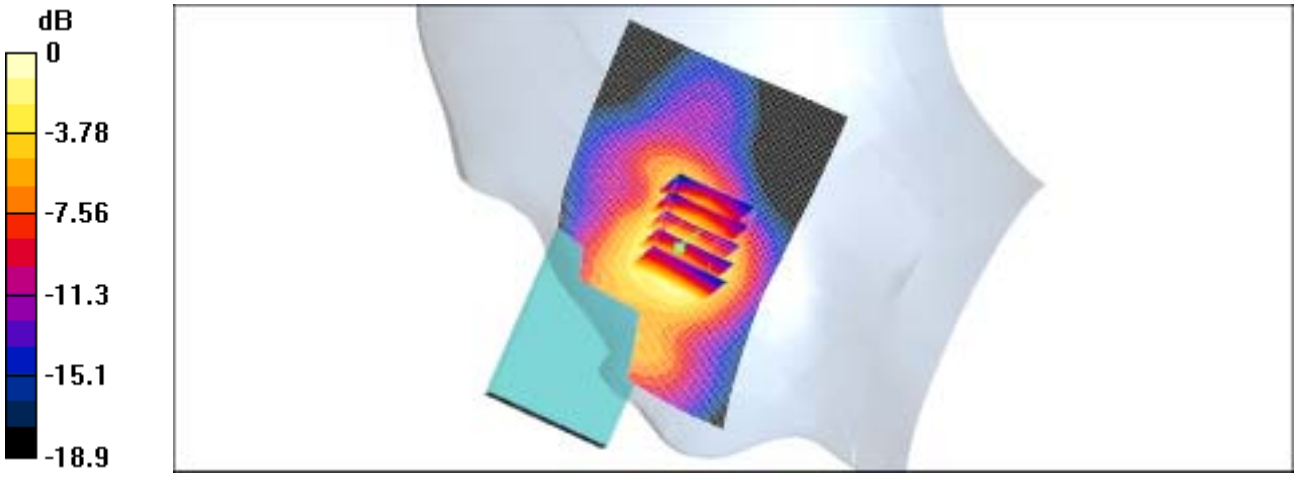
- Probe: ET3DV6 - SN1735; ConvF(5.6, 5.6, 5.6); Calibrated: 2003-11-20
- Sensor-Surface: 4mm (Mechanical And Optical Surface Detection)
- Electronics: DAE3 Sn468; Calibrated: 2003-11-21
- Phantom: SAM 1800/1900 MHz; Type: SAM; Serial: TP-1143
- Measurement SW: DASY4, V4.2 Build 44; Postprocessing SW: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

Cheek/Touch, Ch.0661, Ant.Fixed, Bat.Extended/Area Scan (61x91x1):

Measurement grid: dx=15mm, dy=15mm
Reference Value = 3.8 V/m; Power Drift = 0.1 dB
Maximum value of SAR (interpolated) = 0.787 mW/g

Cheek/Touch, Ch.0661, Ant.Fixed, Bat.Extended/Zoom Scan (5x5x7)/Cube 0:

Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 3.8 V/m; Power Drift = 0.1 dB
Maximum value of SAR (measured) = 0.694 mW/g
Peak SAR (extrapolated) = 1.13 W/kg
SAR(1 g) = 0.675 mW/g



0 dB = 0.694mW/g

SAMSUNG FCC ID : A3LSGHE610 -- 1900MHz PCS GSM Head SAR

DUT: SGH-E610; Serial: FB-034-C

Program Name: SGH-E610 GSM1900 Right (Job No.: FB-034)
Procedure Name: Ear/Tilt, Ch.0661, Ant.Fixed, Bat.Extended
Procedure Notes: Meas.Tissue Temp(celsius)-21.2; Test Date-16/Jun/2004 [OET Bulletin 65-Supplement C, July 2001]

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

Medium parameters used: σ = 1.39; mho/m, ε_r = 38.3814; ρ = 1000 kg/m^3

Phantom section: Right Section

DASY4 Configuration:

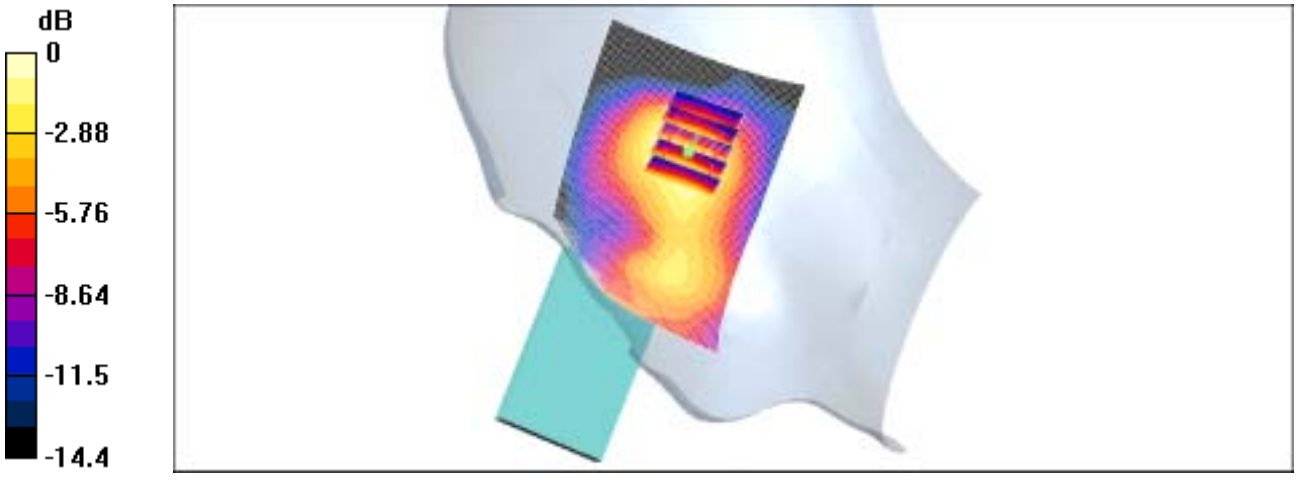
- Probe: ET3DV6 - SN1735; ConvF(5.6, 5.6, 5.6); Calibrated: 2003-11-20
- Sensor-Surface: 4mm (Mechanical And Optical Surface Detection)
- Electronics: DAE3 Sn468; Calibrated: 2003-11-21
- Phantom: SAM 1800/1900 MHz; Type: SAM; Serial: TP-1143
- Measurement SW: DASY4, V4.2 Build 44; Postprocessing SW: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

Ear/Tilt, Ch.0661, Ant.Fixed, Bat.Extended/Area Scan (61x91x1):

Measurement grid: dx=15mm, dy=15mm
Reference Value = 6.71 V/m; Power Drift = 0.003 dB
Maximum value of SAR (interpolated) = 0.108 mW/g

Ear/Tilt, Ch.0661, Ant.Fixed, Bat.Extended/Zoom Scan (5x5x7)/Cube 0:

Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 6.71 V/m; Power Drift = 0.003 dB
Maximum value of SAR (measured) = 0.100 mW/g
Peak SAR (extrapolated) = 0.135 W/kg
SAR(1 g) = 0.092 mW/g



0 dB = 0.100mW/g

SAMSUNG FCC ID : A3LSGHE610 -- 1900MHz PCS GSM Head SAR

DUT: SGH-E610; Serial: FB-034-C

Program Name: SGH-E610 GSM1900 Left (Job No.: FB-034)
Procedure Name: Cheek/Touch, Ch.0810, Ant.Fixed, Bat.Extended
Procedure Notes: Meas.Tissue Temp(celsius)-21.2; Test Date-16/Jun/2004 [OET Bulletin 65-Supplement C, July 2001]

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

Medium parameters used: σ = 1.39; mho/m, ε_r = 38.3814; ρ = 1000 kg/m^3

Phantom section: Left Section

DASY4 Configuration:

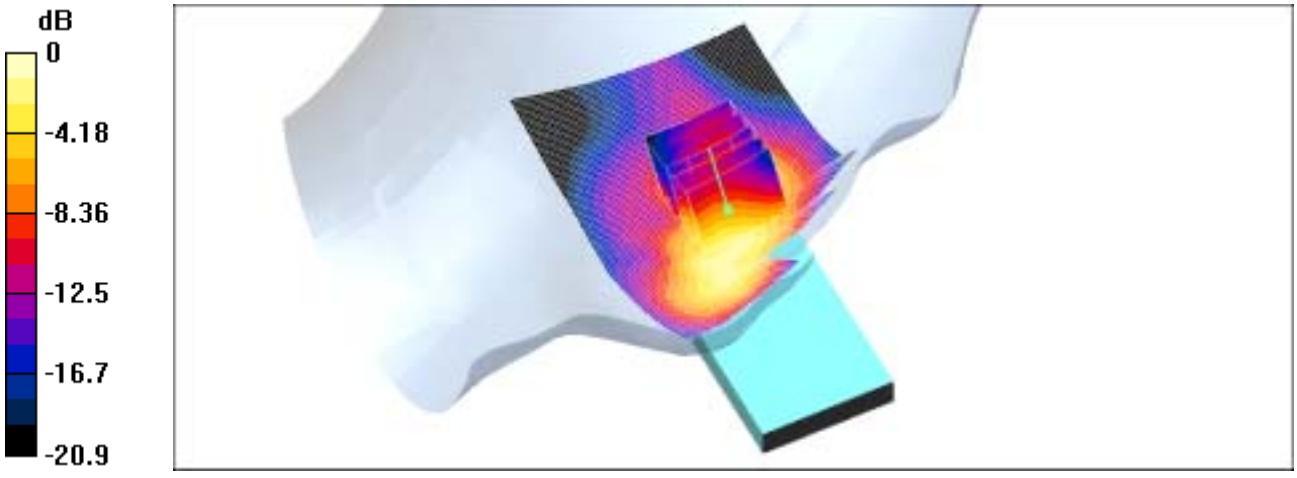
- Probe: ET3DV6 - SN1735; ConvF(5.6, 5.6, 5.6); Calibrated: 2003-11-20
- Sensor-Surface: 4mm (Mechanical And Optical Surface Detection)
- Electronics: DAE3 Sn468; Calibrated: 2003-11-21
- Phantom: SAM 1800/1900 MHz; Type: SAM; Serial: TP-1143
- Measurement SW: DASY4, V4.2 Build 44; Postprocessing SW: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

Cheek/Touch, Ch.0810, Ant.Fixed, Bat.Extended/Area Scan (61x91x1):

Measurement grid: dx=15mm, dy=15mm
Reference Value = 4.08 V/m; Power Drift = -0.0 dB
Maximum value of SAR (interpolated) = 0.749 mW/g

Cheek/Touch, Ch.0810, Ant.Fixed, Bat.Extended/Zoom Scan (5x5x7)/Cube 0:

Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 4.08 V/m; Power Drift = -0.0 dB
Maximum value of SAR (measured) = 0.710 mW/g
Peak SAR (extrapolated) = 1 W/kg
SAR(1 g) = 0.648 mW/g



0 dB = 0.710mW/g

SAMSUNG FCC ID : A3LSGHE610 -- 1900MHz PCS GSM Head SAR

DUT: SGH-E610; Serial: FB-034-C

Program Name: SGH-E610 GSM1900 Left (Job No.: FB-034)
Procedure Name: Ear/Tilt, Ch.0661, Ant.Fixed, Bat.Extended
Procedure Notes: Meas.Tissue Temp(celsius)-21.2; Test Date-16/Jun/2004 [OET Bulletin 65-Supplement C, July 2001]

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

Medium parameters used: σ = 1.39; mho/m, ε_r = 38.3814; ρ = 1000 kg/m^3

Phantom section: Left Section

DASY4 Configuration:

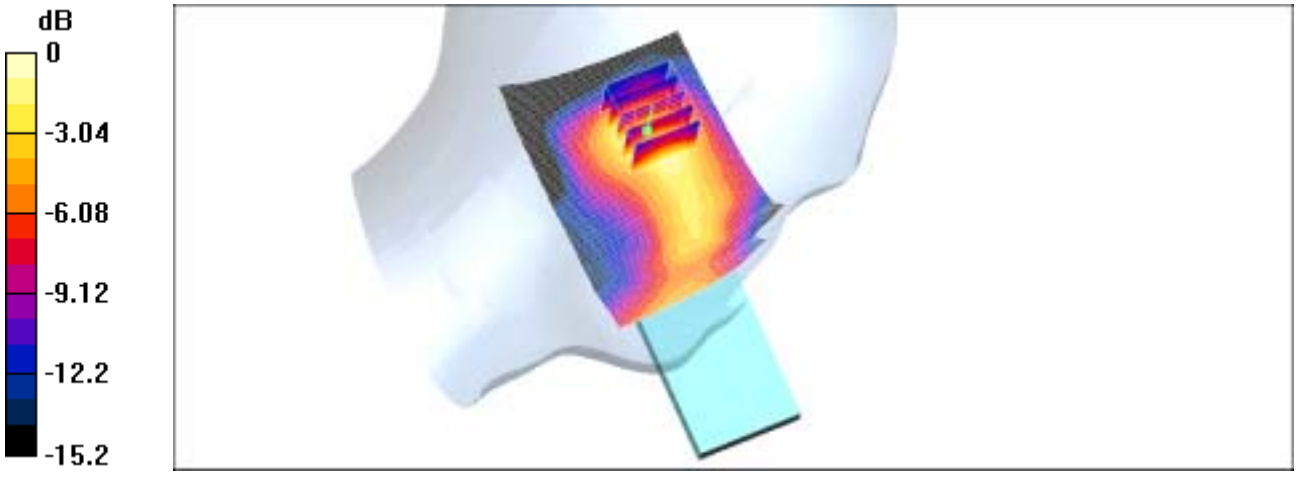
- Probe: ET3DV6 - SN1735; ConvF(5.6, 5.6, 5.6); Calibrated: 2003-11-20
- Sensor-Surface: 4mm (Mechanical And Optical Surface Detection)
- Electronics: DAE3 Sn468; Calibrated: 2003-11-21
- Phantom: SAM 1800/1900 MHz; Type: SAM; Serial: TP-1143
- Measurement SW: DASY4, V4.2 Build 44; Postprocessing SW: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

Ear/Tilt, Ch.0661, Ant.Fixed, Bat.Extended/Area Scan (61x91x1):

Measurement grid: dx=15mm, dy=15mm
Reference Value = 6.94 V/m; Power Drift = 0.0 dB
Maximum value of SAR (interpolated) = 0.131 mW/g

Ear/Tilt, Ch.0661, Ant.Fixed, Bat.Extended/Zoom Scan (5x5x7)/Cube 0:

Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 6.94 V/m; Power Drift = 0.0 dB
Maximum value of SAR (measured) = 0.120 mW/g
Peak SAR (extrapolated) = 0.180 W/kg
SAR(1 g) = 0.116 mW/g



0 dB = 0.120mW/g

SAMSUNG FCC ID : A3LSGHE610 -- 1900MHz GPRS Body SAR

DUT: SGH-E610 (Body); Serial: FB-034-B

Program Name: SGH-E610 GSM1900 (Job No.: FB-034)
Procedure Name: Body, Ch.0661, Ant.Fixed, Bat.Extended
Procedure Notes: Meas.Tissue Temp(celsius)-21.0; Test Date-16/Jun/2004 [OET Bulletin 65-Supplement C, July 2001]

Communication System: GSM1900 GPRS; Frequency: 1880 MHz;Duty Cycle: 1:4.15
Medium parameters used: f = 1880 MHz; σ = 1.55 mho/m; ε_r = 51; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY4 Configuration:

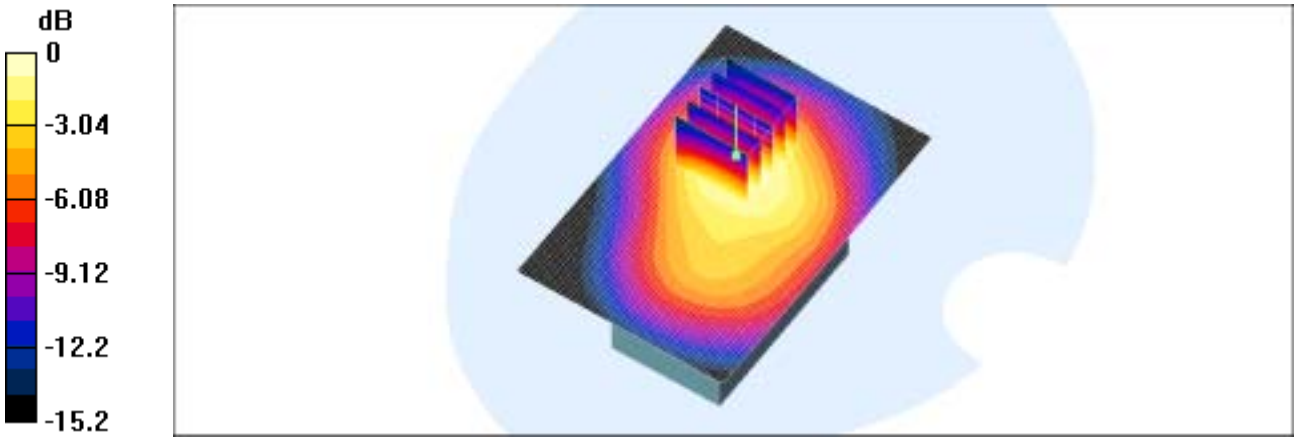
- Probe: ET3DV6 - SN1735; ConvF(4.7, 4.7, 4.7); Calibrated: 2003-11-20
- Sensor-Surface: 4mm (Mechanical And Optical Surface Detection)
- Electronics: DAE3 Sn468; Calibrated: 2003-11-21
- Phantom: SAM 1800/1900 MHz; Type: SAM; Serial: TP-1143
- Measurement SW: DASY4, V4.2 Build 44; Postprocessing SW: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

Body, Ch.0661, Ant.Fixed, Bat.Extended/Area Scan (61x91x1): Measurement grid: dx=15mm, dy=15mm

Reference Value = 19.6 V/m; Power Drift = -0.0 dB
Maximum value of SAR (interpolated) = 0.774 mW/g

Body, Ch.0661, Ant.Fixed, Bat.Extended/Zoom Scan (5x5x7)/Cube 0:

Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 19.6 V/m; Power Drift = -0.0 dB
Maximum value of SAR (measured) = 0.766 mW/g
Peak SAR (extrapolated) = 1.11 W/kg
SAR(1 g) = 0.705 mW/g



0 dB = 0.766mW/g

SAMSUNG FCC ID : A3LSGHE610 -- 1900MHz PCS GSM Body SAR

DUT: SGH-E610 (Body); Serial: FB-034-B

Program Name: SGH-E610 GPRS (Job No.: FB-034)
Procedure Name: Body, Ch.0661,Ant. Fixed, Bat.Extended
Procedure Notes: Meas.Tissue Temp(celsius)-21.0; Test Date-16/Jun/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 MHz; σ = 1.55 mho/m; ε_r = 51; ρ = 1000 kg/m^3

Phantom section: Flat Section

DASY4 Configuration:

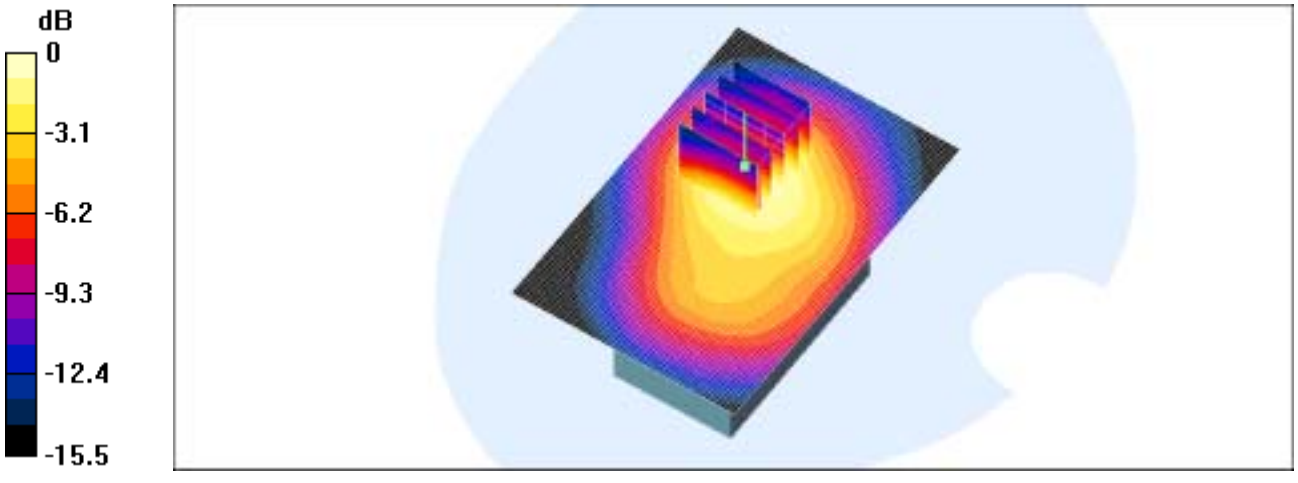
- Probe: ET3DV6 - SN1735; ConvF(4.7, 4.7, 4.7); Calibrated: 2003-11-20
- Sensor-Surface: 4mm (Mechanical And Optical Surface Detection)
- Electronics: DAE3 Sn468; Calibrated: 2003-11-21
- Phantom: SAM 1800/1900 MHz; Type: SAM; Serial: TP-1143
- Measurement SW: DASY4, V4.2 Build 44; Postprocessing SW: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

Body, Ch.0661,Ant. Fixed, Bat.Extended/Area Scan (61x91x1): Measurement grid: dx=15mm, dy=15mm

Reference Value = 14.4 V/m; Power Drift = -0.1 dB
Maximum value of SAR (interpolated) = 0.445 mW/g

Body, Ch.0661,Ant. Fixed, Bat.Extended/Zoom Scan (5x5x7)/Cube 0:

Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 14.4 V/m; Power Drift = -0.1 dB
Maximum value of SAR (measured) = 0.424 mW/g
Peak SAR (extrapolated) = 0.604 W/kg
SAR(1 g) = 0.387 mW/g



0 dB = 0.424mW/g

SAMSUNG FCC ID : A3LSGHE610 -- 1900MHz PCS GSM Head SAR

DUT: SGH-E610; Serial: FB-034-C

Program Name: SGH-E610 GSM1900 Right (Job No.: FB-034)
Procedure Name: Cheek/Touch, Ch.0661, Ant.Fixed, Bat.Extended
Procedure Notes: Meas.Tissue Temp(celsius)-21.2; Test Date-16/Jun/2004 [OET Bulletin 65-Supplement C, July 2001]

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

Medium parameters used: σ = 1.39; mho/m, ε_r = 38.3814; ρ = 1000 kg/m^3

Phantom section: Right Section

DASY4 Configuration:

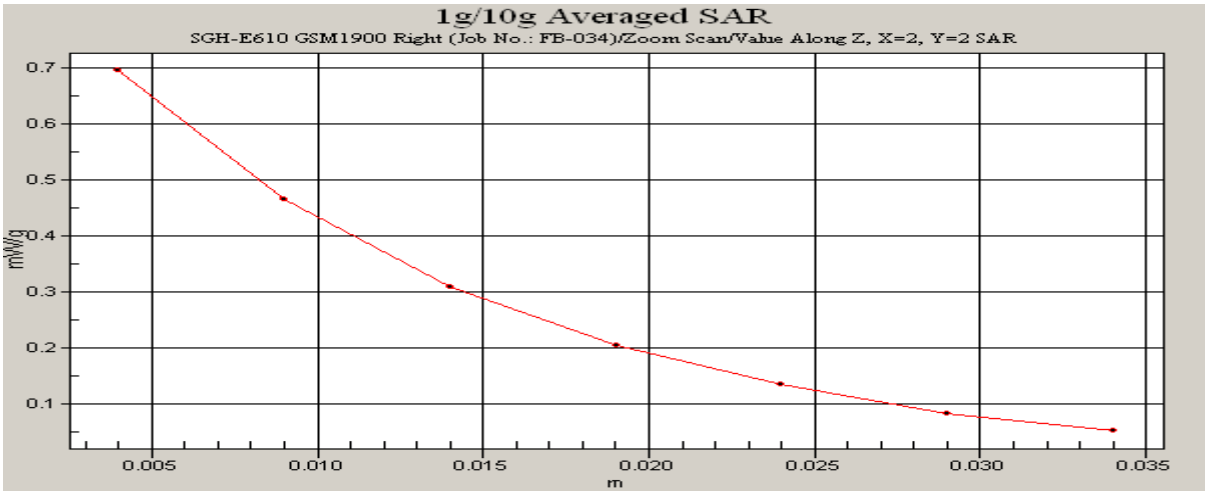
- Probe: ET3DV6 - SN1735; ConvF(5.6, 5.6, 5.6); Calibrated: 2003-11-20
- Sensor-Surface: 4mm (Mechanical And Optical Surface Detection)
- Electronics: DAE3 Sn468; Calibrated: 2003-11-21
- Phantom: SAM 1800/1900 MHz; Type: SAM; Serial: TP-1143
- Measurement SW: DASY4, V4.2 Build 44; Postprocessing SW: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

Cheek/Touch, Ch.0661, Ant.Fixed, Bat.Extended/Area Scan (61x91x1):

Measurement grid: dx=15mm, dy=15mm
Reference Value = 3.8 V/m; Power Drift = 0.1 dB
Maximum value of SAR (interpolated) = 0.787 mW/g

Cheek/Touch, Ch.0661, Ant.Fixed, Bat.Extended/Zoom Scan (5x5x7)/Cube 0:

Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 3.8 V/m; Power Drift = 0.1 dB
Maximum value of SAR (measured) = 0.694 mW/g
Peak SAR (extrapolated) = 1.13 W/kg
SAR(1 g) = 0.675 mW/g



SAMSUNG FCC ID : A3LSGHE610 -- 1900MHz GPRS Body SAR

DUT: SGH-E610 (Body); Serial: FB-034-B

Program Name: SGH-E610 GSM1900 (Job No.: FB-034)
Procedure Name: Body, Ch.0661, Ant.Fixed, Bat.Extended
Procedure Notes: Meas.Tissue Temp(celsius)-21.0; Test Date-16/Jun/2004 [OET Bulletin 65-Supplement C, July 2001]

Communication System: GSM1900 GPRS; Frequency: 1880 MHz;Duty Cycle: 1:4.15
Medium parameters used: f = 1880 MHz; σ = 1.55 mho/m; ε_r = 51; ρ = 1000 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.0661, Ant.Fixed, Bat.Extended/Area Scan (61x91x1): Measurement grid: dx=15mm, dy=15mm

Reference Value = 19.6 V/m; Power Drift = -0.0 dB
Maximum value of SAR (interpolated) = 0.774 mW/g

Body, Ch.0661, Ant.Fixed, Bat.Extended/Zoom Scan (5x5x7)/Cube 0:

Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 19.6 V/m; Power Drift = -0.0 dB
Maximum value of SAR (measured) = 0.766 mW/g
Peak SAR (extrapolated) = 1.11 W/kg
SAR(1 g) = 0.705 mW/g