APPENDIX F

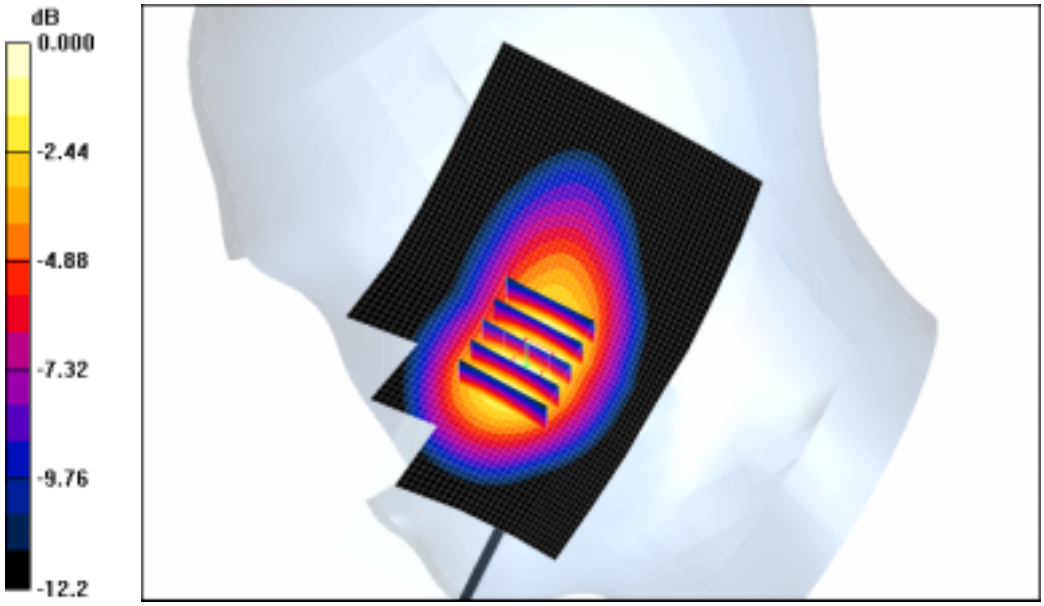
Plots of The SAR Measurements

SAMSUNG FCC ID : A3LSGHX166 -- 835MHz GSM850 Head SAR
DUT: SGH-X166; Serial: FD-078-D
Program Name: SGH-X166 GSM850 Right(Job No. : FD-078)
Procedure Name: Cheek/Touch, Ch.251, Ant.Intenna, Bat.Standard
Procedure Notes: Meas.Tissue Temp(celsius)-21.7, Ambient Temp-22.5 Test Date-18/May/2006[OET Bulletin 65-Supplement C, July 2001]
Communication System: GSM850; Frequency: 848.8 MHz;Duty Cycle: 1:8.3
Medium parameters used: f = 848.8 MHz; σ = 0.91 mho/m; ε_r = 41.4; ρ = 1000 kg/m^3
Phantom section: Right Section
DASY4 Configuration:

- Probe: EX3DV4 - SN3537; ConvF(9.31, 9.31, 9.31); Calibrated: 2005-11-22
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn468; Calibrated: 2006-01-27
- Phantom: SAM PHANTOM #2; Type: SAM; Serial: TP-1248
- Measurement SW: DASY4, V4.6 Build 23; Postprocessing SW: SEMCAD, V1.8 Build 160

Cheek/Touch, Ch.251, Ant.Intenna, Bat.Standard/Area Scan (51x71x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 1.26 mW/g

Cheek/Touch, Ch.251, Ant.Intenna, Bat.Standard/Zoom Scan (5x5x7)/Cube 0:
Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 8.39 V/m; Power Drift = -0.077 dB
Peak SAR (extrapolated) = 2.19 W/kg
SAR(1 g) = 1.26 mW/g
Maximum value of SAR (measured) = 1.36 mW/g



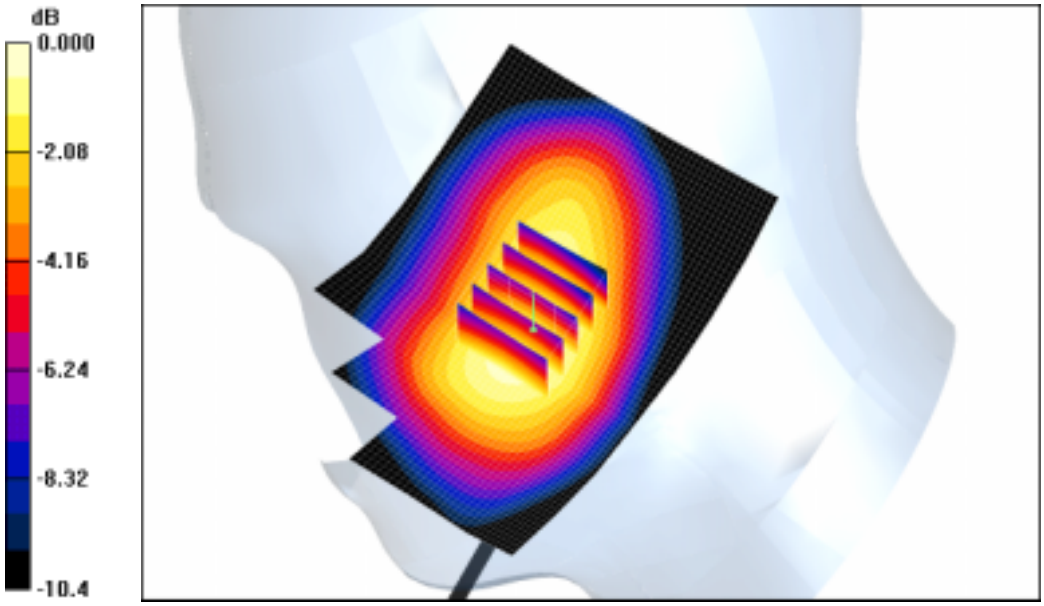
0 dB = 1.36mW/g

SAMSUNG FCC ID : A3LSGHX166 -- 835MHz GSM850 Head SAR
DUT: SGH-X166; Serial: FD-078-D
Program Name: SGH-X166 GSM850 Right(Job No. : FD-078)
Procedure Name: Ear/Tilt, Ch.190, Ant.Intenna, Bat.Standard
Procedure Notes: Meas.Tissue Temp(celsius)-21.7, Ambient Temp-22.5 Test Date-18/May/2006[OET Bulletin 65-Supplement C, July 2001]
Communication System: GSM850; Frequency: 836.6 MHz;Duty Cycle: 1:8.3
Medium parameters used: f = 836.6 MHz; σ = 0.91 mho/m; ε_r = 41.4; ρ = 1000 kg/m^3
Phantom section: Right Section
DASY4 Configuration:

- Probe: EX3DV4 - SN3537; ConvF(9.31, 9.31, 9.31); Calibrated: 2005-11-22
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn468; Calibrated: 2006-01-27
- Phantom: SAM PHANTOM #2; Type: SAM; Serial: TP-1248
- Measurement SW: DASY4, V4.6 Build 23; Postprocessing SW: SEMCAD, V1.8 Build 160

Ear/Tilt, Ch.190, Ant.Intenna, Bat.Standard/Area Scan (51x71x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 0.208 mW/g

Ear/Tilt, Ch.190, Ant.Intenna, Bat.Standard/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 7.95 V/m; Power Drift = 0.186 dB
Peak SAR (extrapolated) = 0.258 W/kg
SAR(1 g) = 0.193 mW/g
Maximum value of SAR (measured) = 0.205 mW/g



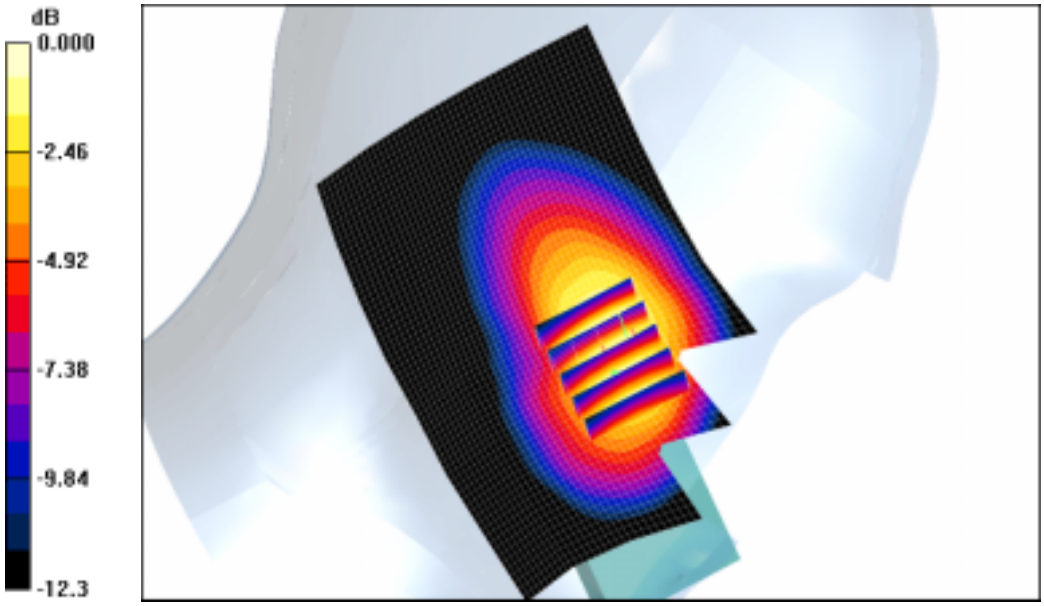
0 dB = 0.205mW/g

SAMSUNG FCC ID : A3LSGHX166 -- 835MHz GSM850 Head SAR
DUT: SGH-X166; Serial: FD-078-D
Program Name: SGH-X166 GSM850 Left(Job No. : FD-078)
Procedure Name: Cheek/Touch, Ch.251, Ant.Intenna, Bat.Standard
Procedure Notes: Meas.Tissue Temp(celsius)-21.7, Ambient Temp-22.5 Test Date-18/May/2006[OET Bulletin 65-Supplement C, July 2001]
Communication System: GSM850; Frequency: 848.8 MHz;Duty Cycle: 1:8.3
Medium parameters used: f = 848.8 MHz; σ = 0.91 mho/m; ε_r = 41.4; ρ = 1000 kg/m^3
Phantom section: Left Section
DASY4 Configuration:

- Probe: EX3DV4 - SN3537; ConvF(9.31, 9.31, 9.31); Calibrated: 2005-11-22
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn468; Calibrated: 2006-01-27
- Phantom: SAM PHANTOM #2; Type: SAM; Serial: TP-1248
- Measurement SW: DASY4, V4.6 Build 23; Postprocessing SW: SEMCAD, V1.8 Build 160

Cheek/Touch, Ch.251, Ant.Intenna, Bat.Standard/Area Scan (51x71x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 1.02 mW/g

Cheek/Touch, Ch.251, Ant.Intenna, Bat.Standard/Zoom Scan (5x5x7)/Cube 0:
Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 7.20 V/m; Power Drift = 0.027 dB
Peak SAR (extrapolated) = 1.84 W/kg
SAR(1 g) = 1.13 mW/g
Maximum value of SAR (measured) = 1.21 mW/g



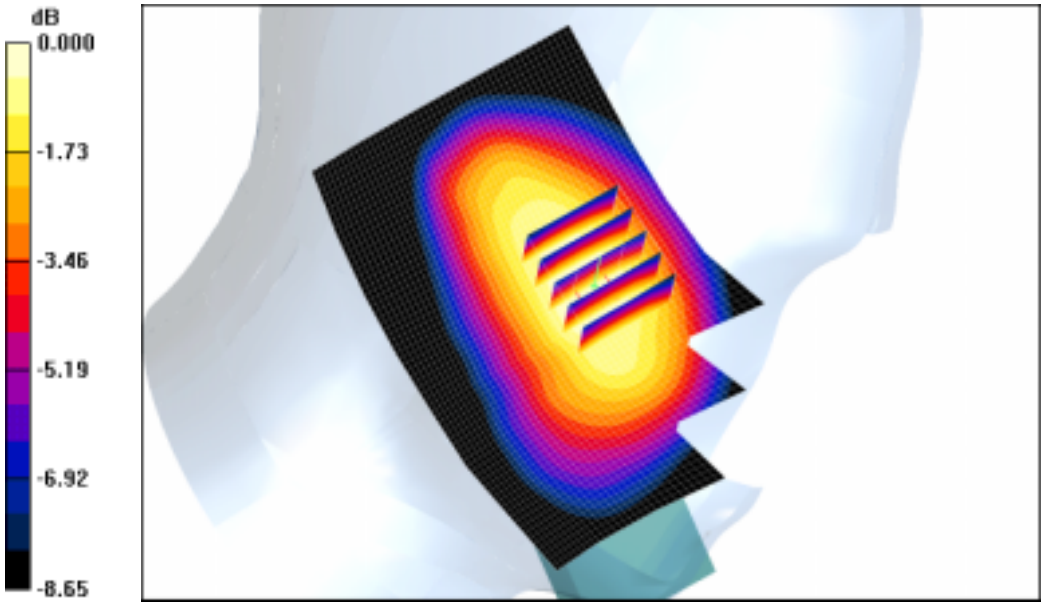
0 dB = 1.21mW/g

SAMSUNG FCC ID : A3LSGHX166 -- 835MHz GSM850 Head SAR
DUT: SGH-X166; Serial: FD-078-D
Program Name: SGH-X166 GSM850 Left(Job No. : FD-078)
Procedure Name: Ear/Tilt, Ch.190, Ant.Intenna, Bat.Standard
Procedure Notes: Meas.Tissue Temp(celsius)-21.7, Ambient Temp-22.5 Test Date-18/May/2006[OET Bulletin 65-Supplement C, July 2001]
Communication System: GSM850; Frequency: 836.6 MHz;Duty Cycle: 1:8.3
Medium parameters used: f = 836.6 MHz; σ = 0.91 mho/m; ε_r = 41.4; ρ = 1000 kg/m^3
Phantom section: Left Section
DASY4 Configuration:

- Probe: EX3DV4 - SN3537; ConvF(9.31, 9.31, 9.31); Calibrated: 2005-11-22
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn468; Calibrated: 2006-01-27
- Phantom: SAM PHANTOM #2; Type: SAM; Serial: TP-1248
- Measurement SW: DASY4, V4.6 Build 23; Postprocessing SW: SEMCAD, V1.8 Build 160

Ear/Tilt, Ch.190, Ant.Intenna, Bat.Standard/Area Scan (51x71x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 0.188 mW/g

Ear/Tilt, Ch.190, Ant.Intenna, Bat.Standard/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 7.87 V/m; Power Drift = 0.062 dB
Peak SAR (extrapolated) = 0.238 W/kg
SAR(1 g) = 0.178 mW/g
Maximum value of SAR (measured) = 0.187 mW/g



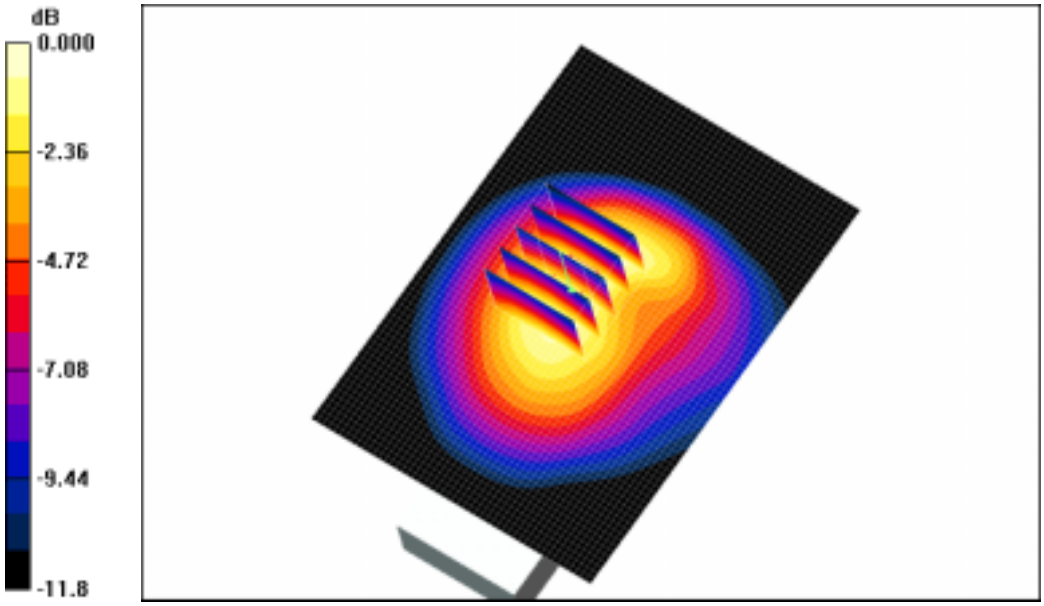
0 dB = 0.187mW/g

SAMSUNG FCC ID : A3LSGHX166 -- 835MHz GPRS850 Body SAR
DUT: SGH-X166(Body); Serial: FD-078-D
Program Name: SGH-X166 GSM850 Body (Job No. : FD-078)
Procedure Name: Body, Ch.251, Ant.Intenna, Bat.Standard
Procedure Notes: Meas.Tissue Temp(celsius)-21.6, Ambient Temp-22.4Test Date-18/May/2006[OET Bulletin 65-Supplement C, July 2001]
Communication System: GSM 850 (GPRS); Frequency: 848.8 MHz;Duty Cycle: 1:4.15
Medium parameters used: f = 848.8 MHz; σ = 0.98 mho/m; ε_r = 53.8; ρ = 1000 kg/m^3
Phantom section: Flat Section
DASY4 Configuration:

- Probe: EX3DV4 - SN3537; ConvF(9.57, 9.57, 9.57); Calibrated: 2005-11-22
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn468; Calibrated: 2006-01-27
- Phantom: SAM PHANTOM #1; Type: SAM; Serial: TP-1247
- Measurement SW: DASY4, V4.6 Build 23; Postprocessing SW: SEMCAD, V1.8 Build 160

Body, Ch.251, Ant.Intenna, Bat.Standard/Area Scan (51x71x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 0.654 mW/g

Body, Ch.251, Ant.Intenna, Bat.Standard/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 19.9 V/m; Power Drift = 0.040 dB
Peak SAR (extrapolated) = 0.881 W/kg
SAR(1 g) = 0.567 mW/g
Maximum value of SAR (measured) = 0.606 mW/g



0 dB = 0.606mW/g

SAMSUNG FCC ID : A3LSGHX166 -- 835MHz GSM850 Head SAR
DUT: SGH-X166; Serial: FD-078-D
Program Name: SGH-X166 GSM850 Right(Job No. : FD-078)
Procedure Name: Cheek/Touch, Ch.251, Ant.Intenna, Bat.Standard
Procedure Notes: Meas.Tissue Temp(celsius)-21.7, Ambient Temp-22.5 Test Date-18/May/2006[OET Bulletin 65-Supplement C, July 2001]
Communication System: GSM850; Frequency: 848.8 MHz;Duty Cycle: 1:8.3
Medium parameters used: f = 848.8 MHz; σ = 0.91 mho/m; ε_r = 41.4; ρ = 1000 kg/m^3
Phantom section: Right Section
DASY4 Configuration:

- Probe: EX3DV4 - SN3537; ConvF(9.31, 9.31, 9.31); Calibrated: 2005-11-22
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn468; Calibrated: 2006-01-27
- Phantom: SAM PHANTOM #2; Type: SAM; Serial: TP-1248
- Measurement SW: DASY4, V4.6 Build 23; Postprocessing SW: SEMCAD, V1.8 Build 160

Cheek/Touch, Ch.251, Ant.Intenna, Bat.Standard/Area Scan (51x71x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 1.26 mW/g

Cheek/Touch, Ch.251, Ant.Intenna, Bat.Standard/Zoom Scan (5x5x7)/Cube 0:
Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 8.39 V/m; Power Drift = -0.077 dB
Peak SAR (extrapolated) = 2.19 W/kg
SAR(1 g) = 1.26 mW/g
Maximum value of SAR (measured) = 1.36 mW/g

SAMSUNG FCC ID : A3LSGHX166 -- 835MHz GPRS850 Body SAR
DUT: SGH-X166(Body); Serial: FD-078-D
Program Name: SGH-X166 GSM850 Body (Job No. : FD-078)
Procedure Name: Body, Ch.251, Ant.Intenna, Bat.Standard
Procedure Notes: Meas.Tissue Temp(celsius)-21.6, Ambient Temp-22.4Test Date-18/May/2006[OET Bulletin 65-Supplement C, July 2001]
Communication System: GSM 850 (GPRS); Frequency: 848.8 MHz;Duty Cycle: 1:4.15
Medium parameters used: f = 848.8 MHz; σ = 0.98 mho/m; ε_r = 53.8; ρ = 1000 kg/m^3
Phantom section: Flat Section
DASY4 Configuration:

- Probe: EX3DV4 - SN3537; ConvF(9.57, 9.57, 9.57); Calibrated: 2005-11-22
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn468; Calibrated: 2006-01-27
- Phantom: SAM PHANTOM #1; Type: SAM; Serial: TP-1247
- Measurement SW: DASY4, V4.6 Build 23; Postprocessing SW: SEMCAD, V1.8 Build 160

Body, Ch.251, Ant.Intenna, Bat.Standard/Area Scan (51x71x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 0.654 mW/g

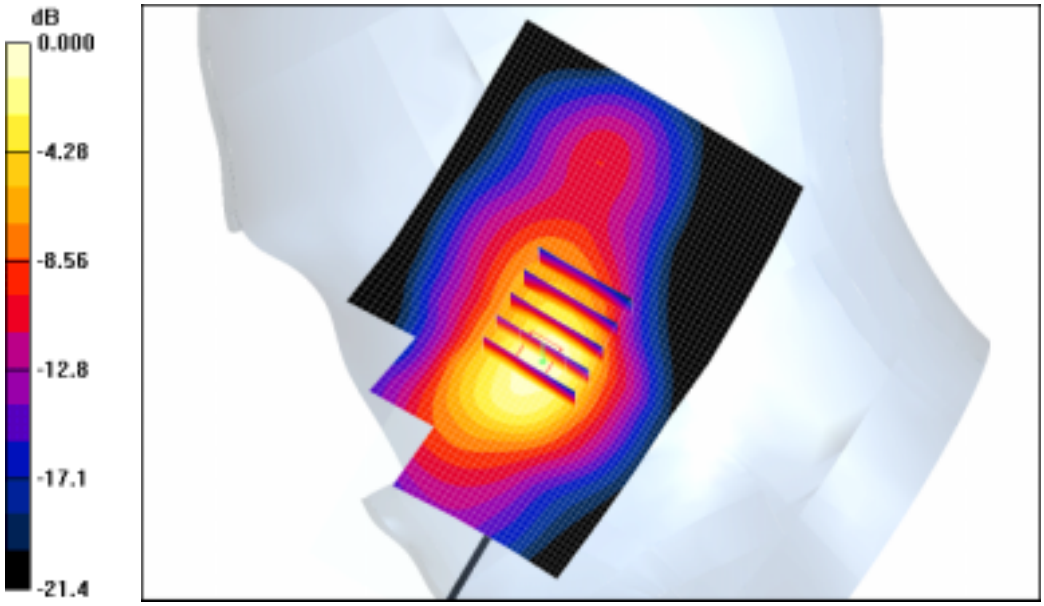
Body, Ch.251, Ant.Intenna, Bat.Standard/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 19.9 V/m; Power Drift = 0.040 dB
Peak SAR (extrapolated) = 0.881 W/kg
SAR(1 g) = 0.567 mW/g
Maximum value of SAR (measured) = 0.606 mW/g

SAMSUNG FCC ID : A3LSGHX166 -- 1900MHz GSM1900 Head SAR
DUT: SGH-X166; Serial: FD-078-D
Program Name: SGH-X166 GSM1900 Right (Job No. : FD-078)
Procedure Name: Cheek/Touch, Ch.810, Ant.Intenna, Bat.Standard
Procedure Notes: Meas.Tissue Temp(celsius)-21.7, Ambient Temp-22.2;Test Date-17/May/2006[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 = 1.42 mho/m; ε_r = 39.2; ρ = 1000 kg/m^3
Phantom section: Right Section
DASY4 Configuration:

- Probe: EX3DV4 - SN3537; ConvF(8.04, 8.04, 8.04); Calibrated: 2005-11-22
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn468; Calibrated: 2006-01-27
- Phantom: SAM PHANTOM #2; Type: SAM; Serial: TP-1248
- Measurement SW: DASY4, V4.6 Build 23; Postprocessing SW: SEMCAD, V1.8 Build 160

Cheek/Touch, Ch.810, Ant.Intenna, Bat.Standard/Area Scan (51x71x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 1.14 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 = 7.49 V/m; Power Drift = -0.098 dB
Peak SAR (extrapolated) = 2.03 W/kg
SAR(1 g) = 1.08 mW/g
Maximum value of SAR (measured) = 1.18 mW/g



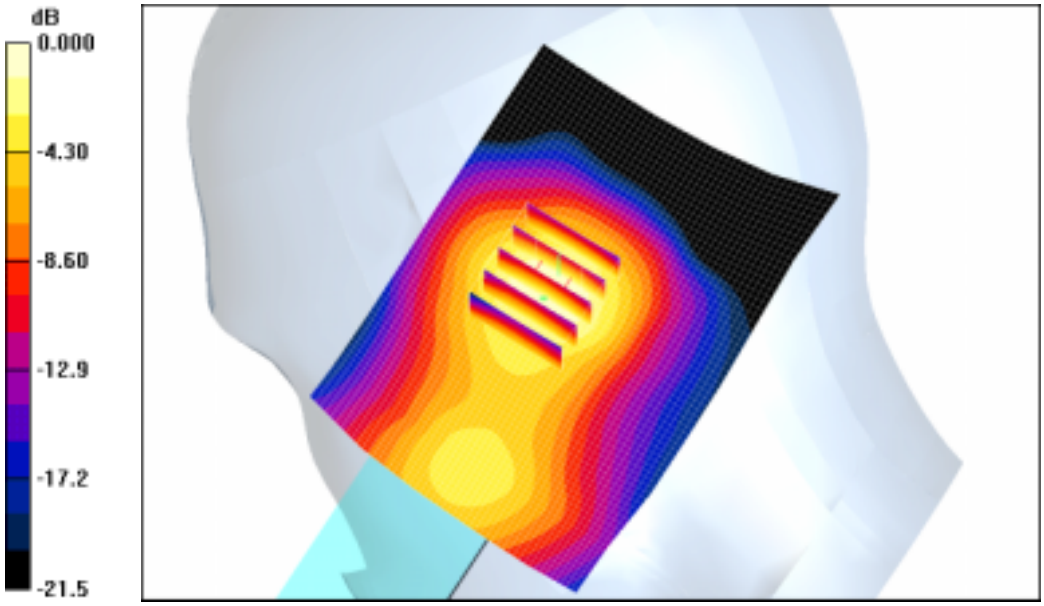
0 dB = 1.18mW/g

SAMSUNG FCC ID : A3LSGHX166 -- 1900MHz GSM1900 Head SAR
DUT: SGH-X166; Serial: FD-078-D
Program Name: SGH-X166 GSM1900 Right (Job No. : FD-078)
Procedure Name: Ear/Tilt, Ch.661, Ant.Intenna, Bat.Standard
Procedure Notes: Meas.Tissue Temp(celsius)-21.7, Ambient Temp-22.2;Test Date-17/May/2006[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 = 1.42 mho/m; ε_r = 39.2; ρ = 1000 kg/m^3
Phantom section: Right Section
DASY4 Configuration:

- Probe: EX3DV4 - SN3537; ConvF(8.04, 8.04, 8.04); Calibrated: 2005-11-22
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn468; Calibrated: 2006-01-27
- Phantom: SAM PHANTOM #2; Type: SAM; Serial: TP-1248
- Measurement SW: DASY4, V4.6 Build 23; Postprocessing SW: SEMCAD, V1.8 Build 160

Ear/Tilt, Ch.661, Ant.Intenna, Bat.Standard/Area Scan (51x71x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 0.151 mW/g

Ear/Tilt, Ch.661, Ant.Intenna, Bat.Standard/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 8.85 V/m; Power Drift = -0.012 dB
Peak SAR (extrapolated) = 0.197 W/kg
SAR(1 g) = 0.126 mW/g
Maximum value of SAR (measured) = 0.139 mW/g



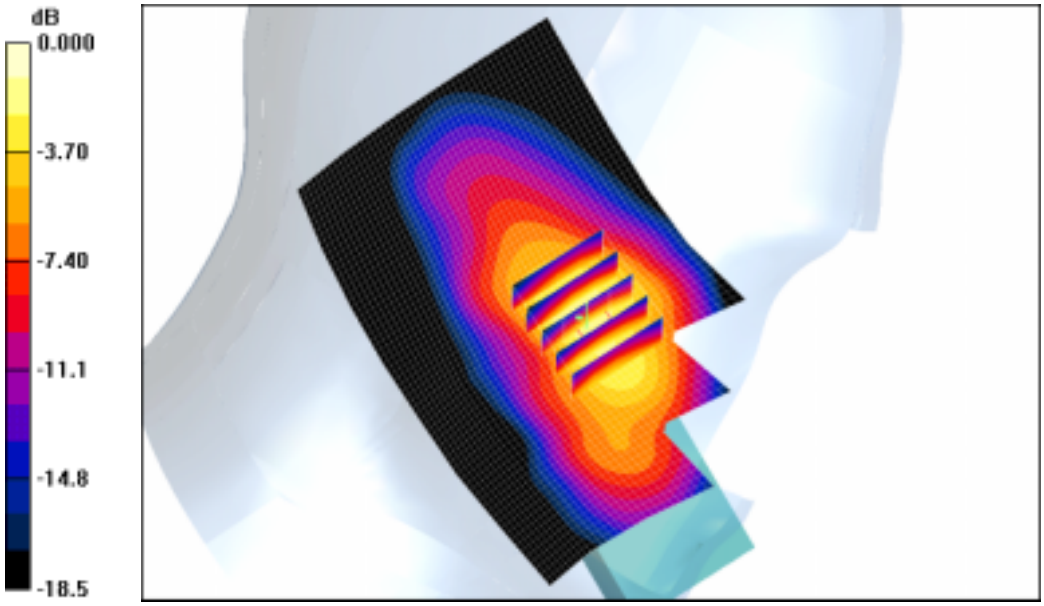
0 dB = 0.139mW/g

SAMSUNG FCC ID : A3LSGHX166 -- 1900MHz GSM1900 Head SAR
DUT: SGH-X166; Serial: FD-078-D
Program Name: SGH-X166 GSM1900 Left (Job No. : FD-078)
Procedure Name: Cheek/Touch, Ch.810, Ant.Intenna, Bat.Standard
Procedure Notes: Meas.Tissue Temp(celsius)-21.7, Ambient Temp-22.2;Test Date-17/May/2006[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 = 1.42 mho/m; ε_r = 39.2; ρ = 1000 kg/m^3
Phantom section: Left Section
DASY4 Configuration:

- Probe: EX3DV4 - SN3537; ConvF(8.04, 8.04, 8.04); Calibrated: 2005-11-22
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn468; Calibrated: 2006-01-27
- Phantom: SAM PHANTOM #2; Type: SAM; Serial: TP-1248
- Measurement SW: DASY4, V4.6 Build 23; Postprocessing SW: SEMCAD, V1.8 Build 160

Cheek/Touch, Ch.810, Ant.Intenna, Bat.Standard/Area Scan (51x71x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 0.879 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 = 6.53 V/m; Power Drift = -0.075 dB
Peak SAR (extrapolated) = 1.87 W/kg
SAR(1 g) = 1.06 mW/g
Maximum value of SAR (measured) = 1.22 mW/g



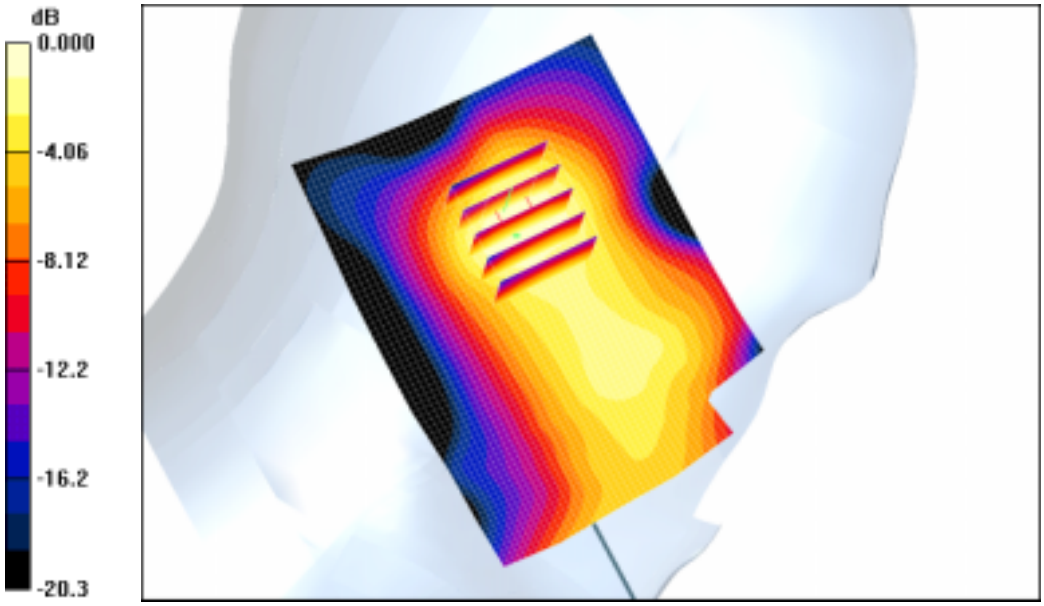
0 dB = 1.22mW/g

SAMSUNG FCC ID : A3LSGHX166 -- 1900MHz GSM1900 Head SAR
DUT: SGH-X166; Serial: FD-078-D
Program Name: SGH-X166 GSM1900 Left (Job No. : FD-078)
Procedure Name: Ear/Tilt, Ch.661, Ant.Intenna, Bat.Standard
Procedure Notes: Meas.Tissue Temp(celsius)-21.7, Ambient Temp-22.2;Test Date-17/May/2006[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 = 1.42 mho/m; ε_r = 39.2; ρ = 1000 kg/m^3
Phantom section: Left Section
DASY4 Configuration:

- Probe: EX3DV4 - SN3537; ConvF(8.04, 8.04, 8.04); Calibrated: 2005-11-22
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn468; Calibrated: 2006-01-27
- Phantom: SAM PHANTOM #2; Type: SAM; Serial: TP-1248
- Measurement SW: DASY4, V4.6 Build 23; Postprocessing SW: SEMCAD, V1.8 Build 160

Ear/Tilt, Ch.661, Ant.Intenna, Bat.Standard/Area Scan (51x71x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 0.116 mW/g

Ear/Tilt, Ch.661, Ant.Intenna, Bat.Standard/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 8.07 V/m; Power Drift = -0.020 dB
Peak SAR (extrapolated) = 0.158 W/kg
SAR(1 g) = 0.102 mW/g
Maximum value of SAR (measured) = 0.109 mW/g



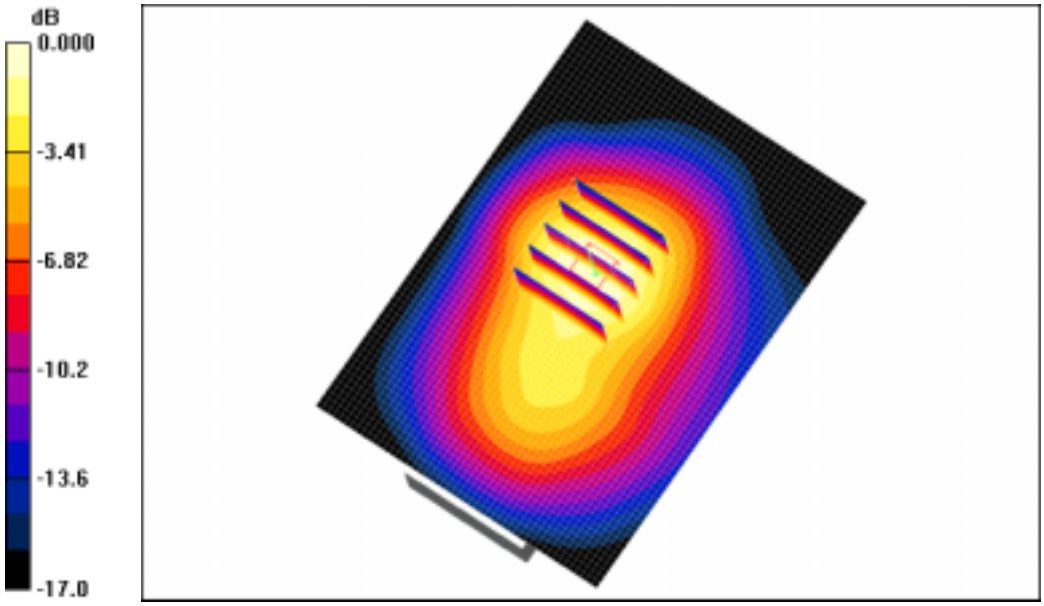
0 dB = 0.109mW/g

SAMSUNG FCC ID : A3LSGHX166 -- 1900MHz GPRS1900 Body SAR
DUT: SGH-X166(Body); Serial: FD-078-D
Program Name: SGH-X166 GPRS1900 Body (Job No. : FD-078)
Procedure Name: Body, Ch.810, Ant.Intenna, Bat.Standard
Procedure Notes: Meas.Tissue Temp(celsius)-21.2, Ambient Temp-22.6;Test Date-17/May/2006[OET Bulletin 65-Supplement C, July 2001]
Communication System: GSM1900 GPRS; Frequency: 1909.8 MHz;Duty Cycle: 1:4.15
Medium parameters used: f = 1909.8 MHz; σ = 1.54 mho/m; ε_r = 52.5; ρ = 1000 kg/m^3
Phantom section: Flat Section
DASY4 Configuration:

- Probe: ES3DV3 - SN3085; ConvF(4.44, 4.44, 4.44); Calibrated: 2005-11-22
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn486; Calibrated: 2005-08-30
- Phantom: SAM PHANTOM #1; Type: SAM; Serial: TP-1247
- Measurement SW: DASY4, V4.6 Build 23; Postprocessing SW: SEMCAD, V1.8 Build 160

Body, Ch.810, Ant.Intenna, Bat.Standard/Area Scan (51x71x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 0.302 mW/g

Body, Ch.810, Ant.Intenna, Bat.Standard/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 13.5 V/m; Power Drift = 0.059 dB
Peak SAR (extrapolated) = 0.408 W/kg
SAR(1 g) = 0.255 mW/g
Maximum value of SAR (measured) = 0.280 mW/g



0 dB = 0.280mW/g

SAMSUNG FCC ID : A3LSGHX166 -- 1900MHz GSM1900 Head SAR
DUT: SGH-X166; Serial: FD-078-D
Program Name: SGH-X166 GSM1900 Right (Job No. : FD-078)
Procedure Name: Cheek/Touch, Ch.810, Ant.Intenna, Bat.Standard
Procedure Notes: Meas.Tissue Temp(celsius)-21.7, Ambient Temp-22.2;Test Date-17/May/2006[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 = 1.42 mho/m; ε_r = 39.2; ρ = 1000 kg/m^3
Phantom section: Right Section
DASY4 Configuration:

- Probe: EX3DV4 - SN3537; ConvF(8.04, 8.04, 8.04); Calibrated: 2005-11-22
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn468; Calibrated: 2006-01-27
- Phantom: SAM PHANTOM #2; Type: SAM; Serial: TP-1248
- Measurement SW: DASY4, V4.6 Build 23; Postprocessing SW: SEMCAD, V1.8 Build 160

Cheek/Touch, Ch.810, Ant.Intenna, Bat.Standard/Area Scan (51x71x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 1.14 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 = 7.49 V/m; Power Drift = -0.098 dB
Peak SAR (extrapolated) = 2.03 W/kg
SAR(1 g) = 1.08 mW/g
Maximum value of SAR (measured) = 1.18 mW/g

SAMSUNG FCC ID : A3LSGHX166 -- 1900MHz GPRS1900 Body SAR
DUT: SGH-X166(Body); Serial: FD-078-D
Program Name: SGH-X166 GPRS1900 Body (Job No. : FD-078)
Procedure Name: Body, Ch.810, Ant.Intenna, Bat.Standard
Procedure Notes: Meas.Tissue Temp(celsius)-21.2, Ambient Temp-22.6;Test Date-17/May/2006[OET Bulletin 65-Supplement C, July 2001]
Communication System: GSM1900 GPRS; Frequency: 1909.8 MHz;Duty Cycle: 1:4.15
Medium parameters used: f = 1909.8 MHz; σ = 1.54 mho/m; ε_r = 52.5; ρ = 1000 kg/m^3
Phantom section: Flat Section
DASY4 Configuration:

- Probe: ES3DV3 - SN3085; ConvF(4.44, 4.44, 4.44); Calibrated: 2005-11-22
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn486; Calibrated: 2005-08-30
- Phantom: SAM PHANTOM #1; Type: SAM; Serial: TP-1247
- Measurement SW: DASY4, V4.6 Build 23; Postprocessing SW: SEMCAD, V1.8 Build 160

Body, Ch.810, Ant.Intenna, Bat.Standard/Area Scan (51x71x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 0.302 mW/g

Body, Ch.810, Ant.Intenna, Bat.Standard/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 13.5 V/m; Power Drift = 0.059 dB
Peak SAR (extrapolated) = 0.408 W/kg
SAR(1 g) = 0.255 mW/g
Maximum value of SAR (measured) = 0.280 mW/g