

SAMSUNG FCC ID : A3LSGHE390 GSM850 HEAD SAR

DUT: SGH-E390(Down);

Program Name: SGH-E390 GSM850 Left Slide Down (Job No. : FD-189)

Procedure Name: Cheek/Touch, Ch.251, Ant.Intenna, Bat.Standard

Meas. Ambient Temp(celsius)-22.0, Tissue Temp(celsius)-21.6; Test Date-20/Oct/2006

Communication System: GSM 850; Frequency: 848.8 MHz;Duty Cycle: 1:8.3

Medium parameters used: $f = 848.8$ MHz; $\sigma = 0.91$ mho/m; $\epsilon_r = 41.5$; $\rho = 1000$ kg/m³

Phantom section: Left Section

DASY4 Configuration:

- Probe: ES3DV3 - SN3085; ConvF(5.73, 5.73, 5.73); Calibrated: 2005-11-22
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn486; Calibrated: 2006-07-17
- Phantom: PHANTOM #1; Type: SAM; Serial: TP-1143
- Measurement SW: DASY4, V4.7 Build 44; Postprocessing SW: SEMCAD, V1.8 Build 171

Cheek/Touch, Ch.251, Ant.Intenna, Bat.Standard/Area Scan (51x71x1): Measurement grid: dx=20mm, dy=20mm

Maximum value of SAR (interpolated) = 0.259 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 = 9.71 V/m; Power Drift = -0.089 dB

Peak SAR (extrapolated) = 0.285 W/kg

SAR(1 g) = 0.224 mW/g

Maximum value of SAR (measured) = 0.236 mW/g



0 dB = 0.236mW/g

SAMSUNG FCC ID : A3LSGHE390 GSM850 HEAD SAR

DUT: SGH-E390(Down);

Program Name: SGH-E390 GSM850 Left Slide Down (Job No. : FD-189)

Procedure Name: Ear/Tilt, Ch.190, Ant.Intenna, Bat.Standard

Meas. Ambient Temp(celsius)-22.0, Tissue Temp(celsius)-21.6; Test Date-20/Oct/2006

Communication System: GSM 850; Frequency: 836.6 MHz;Duty Cycle: 1:8.3

Medium parameters used: $f = 836.6$ MHz; $\sigma = 0.91$ mho/m; $\epsilon_r = 41.5$; $\rho = 1000$ kg/m³

Phantom section: Left Section

DASY4 Configuration:

- Probe: ES3DV3 - SN3085; ConvF(5.73, 5.73, 5.73); Calibrated: 2005-11-22
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn486; Calibrated: 2006-07-17
- Phantom: PHANTOM #1; Type: SAM; Serial: TP-1143
- Measurement SW: DASY4, V4.7 Build 44; Postprocessing SW: SEMCAD, V1.8 Build 171

Ear/Tilt, Ch.190, Ant.Intenna, Bat.Standard/Area Scan (51x71x1): Measurement grid:

dx=20mm, dy=20mm

Maximum value of SAR (interpolated) = 0.176 mW/g

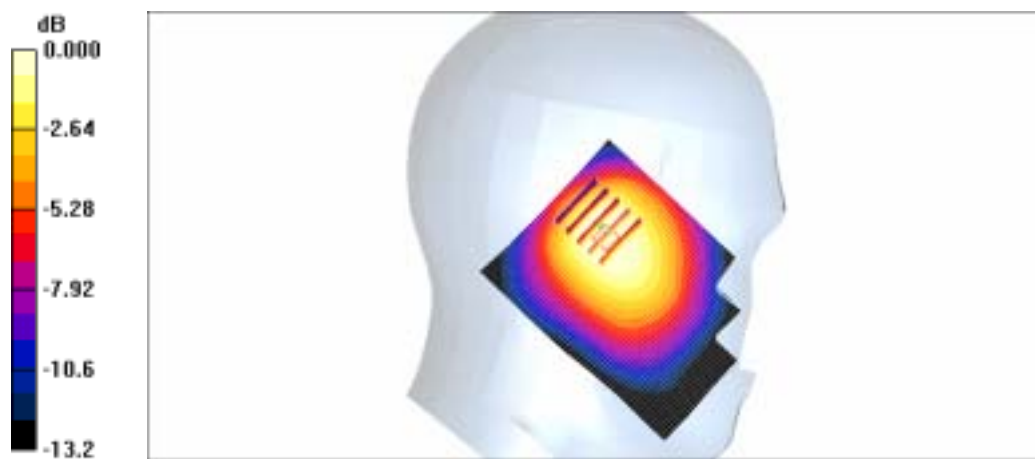
Ear/Tilt, Ch.190, Ant.Intenna, Bat.Standard/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 7.45 V/m; Power Drift = -0.006 dB

Peak SAR (extrapolated) = 0.182 W/kg

SAR(1 g) = 0.144 mW/g

Maximum value of SAR (measured) = 0.151 mW/g



0 dB = 0.151mW/g

SAMSUNG FCC ID : A3LSGHE390 GSM850 HEAD SAR

DUT: SGH-E390(Up);

Program Name: SGH-E390 GSM850 Left Slide Up (Job No. : FD-189)

Procedure Name: Cheek/Touch, Ch.190, Ant.Intenna, Bat.Standard

Meas. Ambient Temp(celsius)-22.0, Tissue Temp(celsius)-21.6; Test Date-20/Oct/2006

Communication System: GSM 850; Frequency: 836.6 MHz; Duty Cycle: 1:8.3

Medium parameters used: $f = 836.6$ MHz; $\sigma = 0.91$ mho/m; $\epsilon_r = 41.5$; $\rho = 1000$ kg/m³

Phantom section: Left Section

DASY4 Configuration:

- Probe: ES3DV3 - SN3085; ConvF(5.73, 5.73, 5.73); Calibrated: 2005-11-22
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn486; Calibrated: 2006-07-17
- Phantom: PHANTOM #1; Type: SAM; Serial: TP-1143
- Measurement SW: DASY4, V4.7 Build 44; Postprocessing SW: SEMCAD, V1.8 Build 171

Cheek/Touch, Ch.190, Ant.Intenna, Bat.Standard/Area Scan (51x71x1): Measurement grid: dx=20mm, dy=20mm

Maximum value of SAR (interpolated) = 0.221 mW/g

Cheek/Touch, Ch.190, Ant.Intenna, Bat.Standard/Zoom Scan (5x5x7)/Cube 0:

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

Reference Value = 15.3 V/m; Power Drift = -0.154 dB

Peak SAR (extrapolated) = 0.250 W/kg

SAR(1 g) = 0.193 mW/g

Maximum value of SAR (measured) = 0.206 mW/g



0 dB = 0.206mW/g

SAMSUNG FCC ID : A3LSGHE390 GSM850 HEAD SAR

DUT: SGH-E390(Up);

Program Name: SGH-E390 GSM850 Left Slide Up (Job No. : FD-189)

Procedure Name: Ear/Tilt, Ch.190, Ant.Intenna, Bat.Standard

Meas. Ambient Temp(celsius)-22.0, Tissue Temp(celsius)-21.6; Test Date-20/Oct/2006

Communication System: GSM 850; Frequency: 836.6 MHz; Duty Cycle: 1:8.3

Medium parameters used: $f = 836.6$ MHz; $\sigma = 0.91$ mho/m; $\epsilon_r = 41.5$; $\rho = 1000$ kg/m³

Phantom section: Left Section

DASY4 Configuration:

- Probe: ES3DV3 - SN3085; ConvF(5.73, 5.73, 5.73); Calibrated: 2005-11-22
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn486; Calibrated: 2006-07-17
- Phantom: PHANTOM #1; Type: SAM; Serial: TP-1143
- Measurement SW: DASY4, V4.7 Build 44; Postprocessing SW: SEMCAD, V1.8 Build 171

Ear/Tilt, Ch.190, Ant.Intenna, Bat.Standard/Area Scan (51x71x1): Measurement grid:

dx=20mm, dy=20mm

Maximum value of SAR (interpolated) = 0.104 mW/g

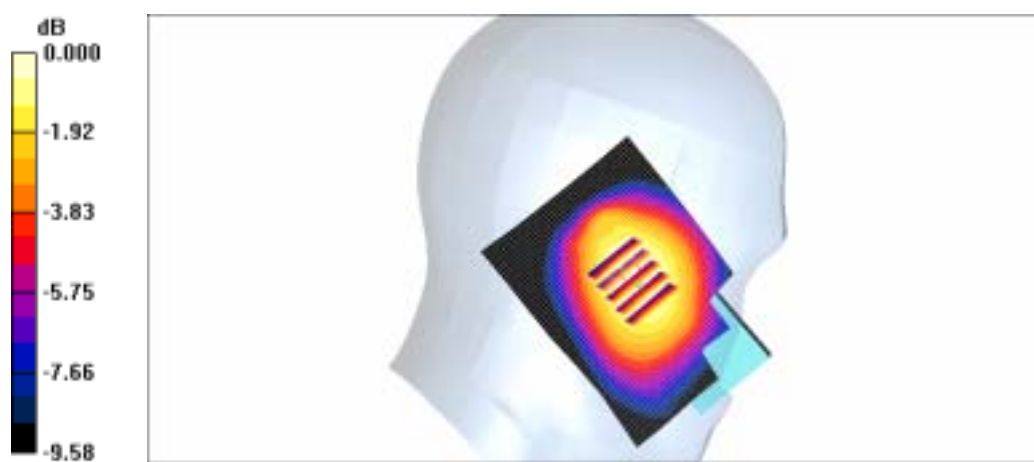
Ear/Tilt, Ch.190, Ant.Intenna, Bat.Standard/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 9.58 V/m; Power Drift = 0.066 dB

Peak SAR (extrapolated) = 0.128 W/kg

SAR(1 g) = 0.099 mW/g

Maximum value of SAR (measured) = 0.104 mW/g



0 dB = 0.104mW/g

SAMSUNG FCC ID : A3LSGHE390 GSM850 HEAD SAR

DUT: SGH-E390(Down);

Program Name: SGH-E390 GSM850 Right Slide Down (Job No. : FD-189)

Procedure Name: Cheek/Touch, Ch.190, Ant.Intenna, Bat.Standard

Meas. Ambient Temp(celsius)-22.0, Tissue Temp(celsius)-21.6; Test Date-20/Oct/2006

Communication System: GSM 850; Frequency: 836.6 MHz;Duty Cycle: 1:8.3

Medium parameters used: $f = 836.6$ MHz; $\sigma = 0.91$ mho/m; $\epsilon_r = 41.5$; $\rho = 1000$ kg/m³

Phantom section: Right Section

DASY4 Configuration:

- Probe: ES3DV3 - SN3085; ConvF(5.73, 5.73, 5.73); Calibrated: 2005-11-22
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn486; Calibrated: 2006-07-17
- Phantom: PHANTOM #1; Type: SAM; Serial: TP-1143
- Measurement SW: DASY4, V4.7 Build 44; Postprocessing SW: SEMCAD, V1.8 Build 171

Cheek/Touch, Ch.190, Ant.Intenna, Bat.Standard/Area Scan (51x71x1): Measurement grid: dx=20mm, dy=20mm

Maximum value of SAR (interpolated) = 0.219 mW/g

Cheek/Touch, Ch.190, Ant.Intenna, Bat.Standard/Zoom Scan (5x5x7)/Cube 0:

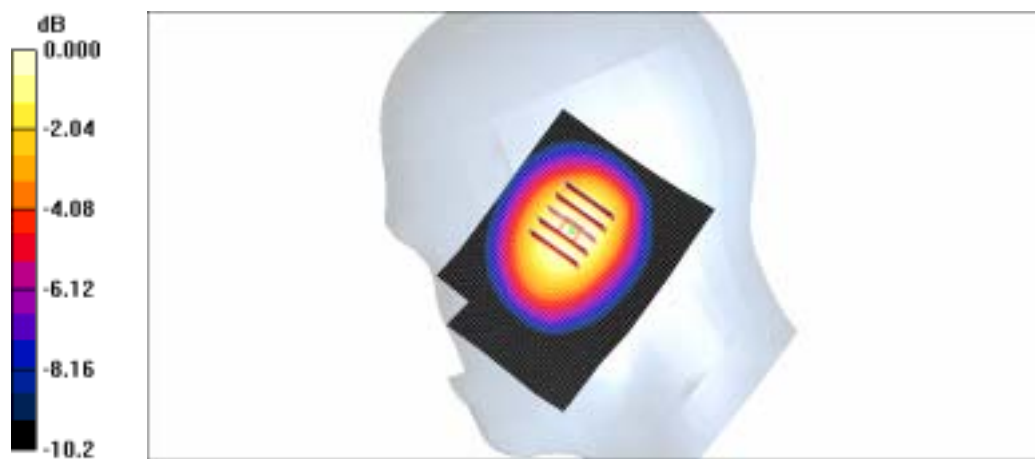
Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 13.5 V/m; Power Drift = -0.132 dB

Peak SAR (extrapolated) = 0.246 W/kg

SAR(1 g) = 0.193 mW/g

Maximum value of SAR (measured) = 0.203 mW/g



0 dB = 0.203mW/g

SAMSUNG FCC ID : A3LSGHE390 GSM850 HEAD SAR

DUT: SGH-E390(Down);

Program Name: SGH-E390 GSM850 Right Slide Down (Job No. : FD-189)

Procedure Name: Ear/Tilt, Ch.190, Ant.Intenna, Bat.Standard

Meas. Ambient Temp(celsius)-22.0, Tissue Temp(celsius)-21.6; Test Date-20/Oct/2006

Communication System: GSM 850; Frequency: 836.6 MHz; Duty Cycle: 1:8.3

Medium parameters used: $f = 836.6$ MHz; $\sigma = 0.91$ mho/m; $\epsilon_r = 41.5$; $\rho = 1000$ kg/m³

Phantom section: Right Section

DASY4 Configuration:

- Probe: ES3DV3 - SN3085; ConvF(5.73, 5.73, 5.73); Calibrated: 2005-11-22
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn486; Calibrated: 2006-07-17
- Phantom: PHANTOM #1; Type: SAM; Serial: TP-1143
- Measurement SW: DASY4, V4.7 Build 44; Postprocessing SW: SEMCAD, V1.8 Build 171

Ear/Tilt, Ch.190, Ant.Intenna, Bat.Standard/Area Scan (51x71x1): Measurement grid:

dx=20mm, dy=20mm

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

Ear/Tilt, Ch.190, Ant.Intenna, Bat.Standard/Zoom Scan (5x5x7)/Cube 0: Measurement

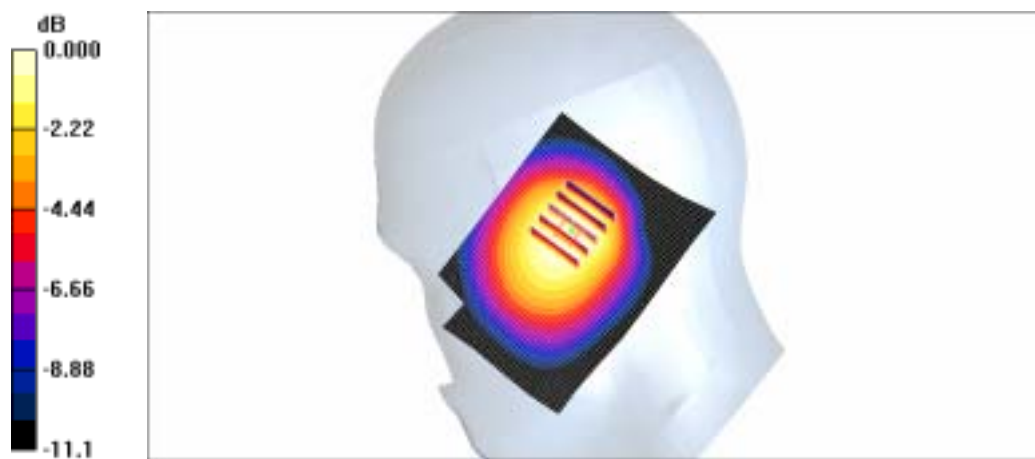
grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 12.4 V/m; Power Drift = 0.090 dB

Peak SAR (extrapolated) = 0.175 W/kg

SAR(1 g) = 0.140 mW/g

Maximum value of SAR (measured) = 0.147 mW/g



0 dB = 0.147mW/g

SAMSUNG FCC ID : A3LSGHE390 GSM850 HEAD SAR

DUT: SGH-E390(Up);

Program Name: SGH-E390 GSM850 Right Slide Up (Job No. : FD-189)

Procedure Name: Cheek/Touch, Ch.251, Ant.Intenna, Bat.Standard

Meas. Ambient Temp(celsius)-22.0, Tissue Temp(celsius)-21.6; Test Date-20/Oct/2006

Communication System: GSM 850; Frequency: 848.8 MHz;Duty Cycle: 1:8.3

Medium parameters used: $f = 848.8$ MHz; $\sigma = 0.91$ mho/m; $\epsilon_r = 41.5$; $\rho = 1000$ kg/m³

Phantom section: Right Section

DASY4 Configuration:

- Probe: ES3DV3 - SN3085; ConvF(5.73, 5.73, 5.73); Calibrated: 2005-11-22
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn486; Calibrated: 2006-07-17
- Phantom: PHANTOM #1; Type: SAM; Serial: TP-1143
- Measurement SW: DASY4, V4.7 Build 44; Postprocessing SW: SEMCAD, V1.8 Build 171

Cheek/Touch, Ch.251, Ant.Intenna, Bat.Standard/Area Scan (51x71x1): Measurement grid: dx=20mm, dy=20mm

Maximum value of SAR (interpolated) = 0.237 mW/g

Cheek/Touch, Ch.251, Ant.Intenna, Bat.Standard/Zoom Scan (5x5x7)/Cube 0:

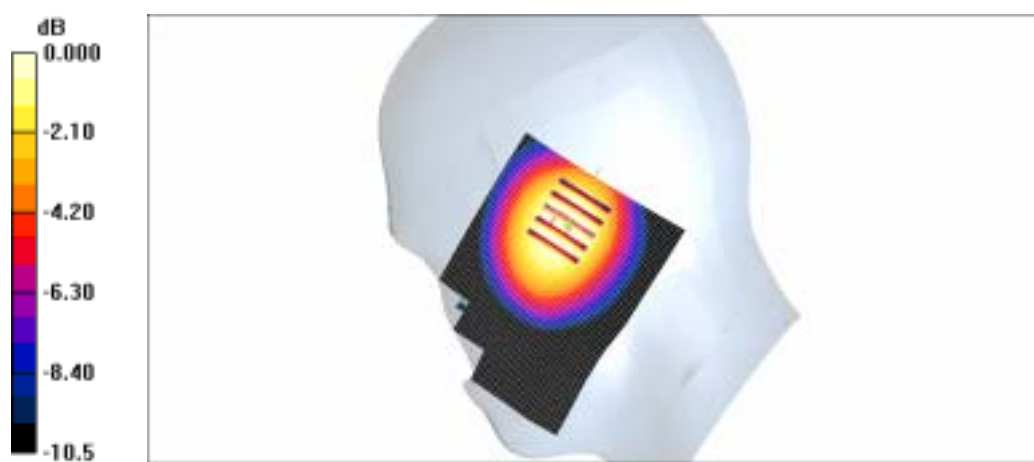
Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 13.7 V/m; Power Drift = -0.138 dB

Peak SAR (extrapolated) = 0.260 W/kg

SAR(1 g) = 0.207 mW/g

Maximum value of SAR (measured) = 0.216 mW/g



0 dB = 0.216mW/g

SAMSUNG FCC ID : A3LSGHE390 GSM850 HEAD SAR

DUT: SGH-E390(Up);

Program Name: SGH-E390 GSM850 Right Slide Up (Job No. : FD-189)

Procedure Name: Ear/Tilt, Ch.190, Ant.Intenna, Bat.Standard

Meas. Ambient Temp(celsius)-22.0, Tissue Temp(celsius)-21.6; Test Date-20/Oct/2006

Communication System: GSM 850; Frequency: 836.6 MHz; Duty Cycle: 1:8.3

Medium parameters used: $f = 836.6$ MHz; $\sigma = 0.91$ mho/m; $\epsilon_r = 41.5$; $\rho = 1000$ kg/m³

Phantom section: Right Section

DASY4 Configuration:

- Probe: ES3DV3 - SN3085; ConvF(5.73, 5.73, 5.73); Calibrated: 2005-11-22
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn486; Calibrated: 2006-07-17
- Phantom: PHANTOM #1; Type: SAM; Serial: TP-1143
- Measurement SW: DASY4, V4.7 Build 44; Postprocessing SW: SEMCAD, V1.8 Build 171

Ear/Tilt, Ch.190, Ant.Intenna, Bat.Standard/Area Scan (51x71x1): Measurement grid:

dx=20mm, dy=20mm

Maximum value of SAR (interpolated) = 0.104 mW/g

Ear/Tilt, Ch.190, Ant.Intenna, Bat.Standard/Zoom Scan (5x5x7)/Cube 0: Measurement

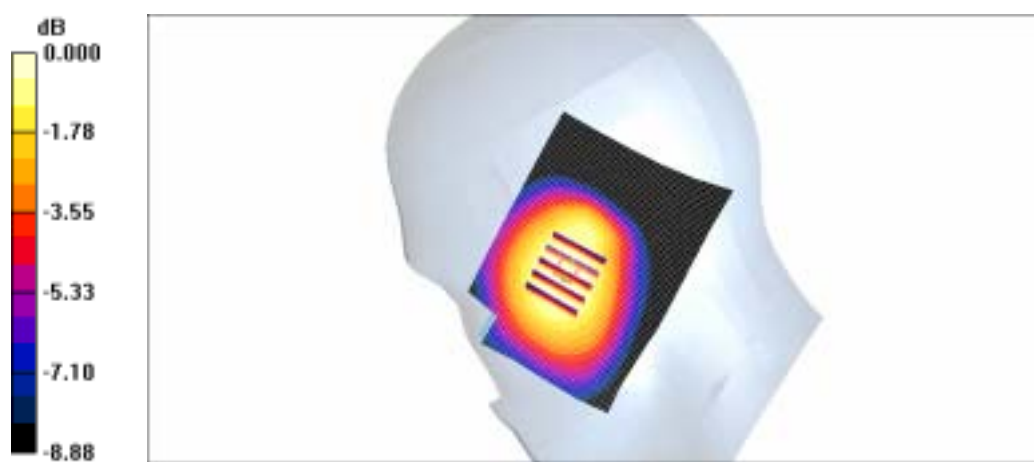
grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 7.59 V/m; Power Drift = -0.009 dB

Peak SAR (extrapolated) = 0.127 W/kg

SAR(1 g) = 0.099 mW/g

Maximum value of SAR (measured) = 0.104 mW/g



0 dB = 0.104mW/g

SAMSUNG FCC ID : A3LSGHE390 GPRS850 Body SAR

DUT: SGH-E390(Down);

Program Name: SGH-E390 GSM850 Body (Job No. : FD-189)

Procedure Name: Body, Ch.251, Ant.Intenna, Bat.Standard

Meas. Ambient Temp(celsius)-21.9, Tissue Temp(celsius)-21.7; Test Date-20/Oct/2006

Communication System: GSM 850 (GPRS); Frequency: 848.8 MHz; Duty Cycle: 1:4.15

Medium parameters used: $f = 848.8$ MHz; $\sigma = 0.99$ mho/m; $\epsilon_r = 53.8$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY4 Configuration:

- Probe: ES3DV3 - SN3085; ConvF(5.91, 5.91, 5.91); Calibrated: 2005-11-22
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn486; Calibrated: 2006-07-17
- Phantom: PHANTOM #2; Type: SAM; Serial: TP-1141
- Measurement SW: DASY4, V4.7 Build 44; Postprocessing SW: SEMCAD, V1.8 Build 171

Body, Ch.251, Ant.Intenna, Bat.Standard/Area Scan (51x71x1): Measurement grid:

dx=20mm, dy=20mm

Maximum value of SAR (interpolated) = 0.598 mW/g

Body, Ch.251, Ant.Intenna, Bat.Standard/Zoom Scan (5x5x7)/Cube 0: Measurement grid:

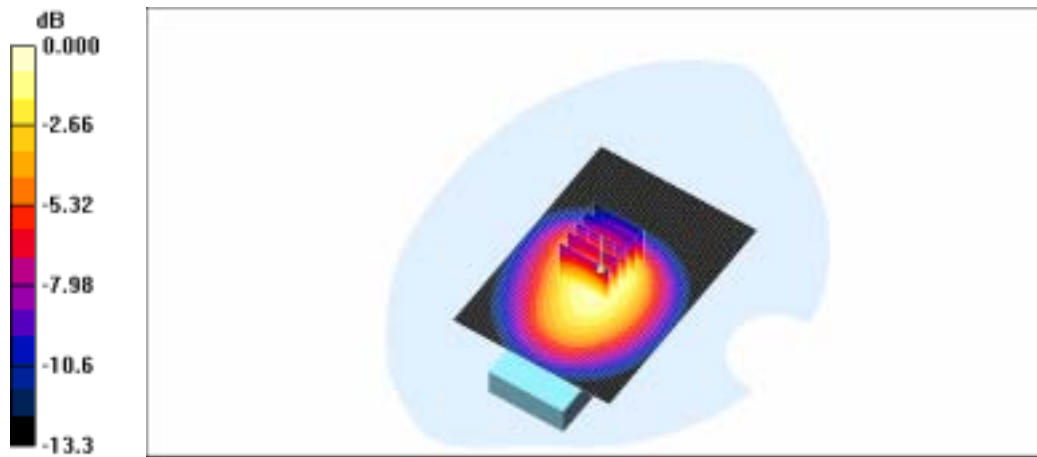
dx=8mm, dy=8mm, dz=5mm

Reference Value = 22.1 V/m; Power Drift = 0.107 dB

Peak SAR (extrapolated) = 0.777 W/kg

SAR(1 g) = 0.512 mW/g

Maximum value of SAR (measured) = 0.547 mW/g



0 dB = 0.547mW/g

SAMSUNG FCC ID : A3LSGHE390 GSM1900 HEAD SAR

DUT: SGH-E390(Down);

Program Name: SGH-E390 GSM1900 Left Slide Down(Job No. : FD-189)

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

Meas. Ambient Temp(celsius)-22.0, Tissue Temp(celsius)-21.8; Test Date-20/Oct/2006

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

Medium parameters used: $f = 1850.2$ MHz; $\sigma = 1.39$ mho/m; $\epsilon_r = 39.8$; $\rho = 1000$ kg/m³

Phantom section: Left Section

DASY4 Configuration:

- Probe: ES3DV3 - SN3085; ConvF(4.81, 4.81, 4.81); Calibrated: 2005-11-22
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn486; Calibrated: 2006-07-17
- Phantom: PHANTOM #1; Type: SAM; Serial: TP-1143
- Measurement SW: DASY4, V4.7 Build 44; Postprocessing SW: SEMCAD, V1.8 Build 171

Cheek/Touch, Ch.512, Ant.Intenna, Bat.Standard/Area Scan (51x71x1): Measurement grid: dx=20mm, dy=20mm

Maximum value of SAR (interpolated) = 0.511 mW/g

Cheek/Touch, Ch.512, Ant.Intenna, Bat.Standard/Zoom Scan 2 2 (5x5x7)/Cube 0:

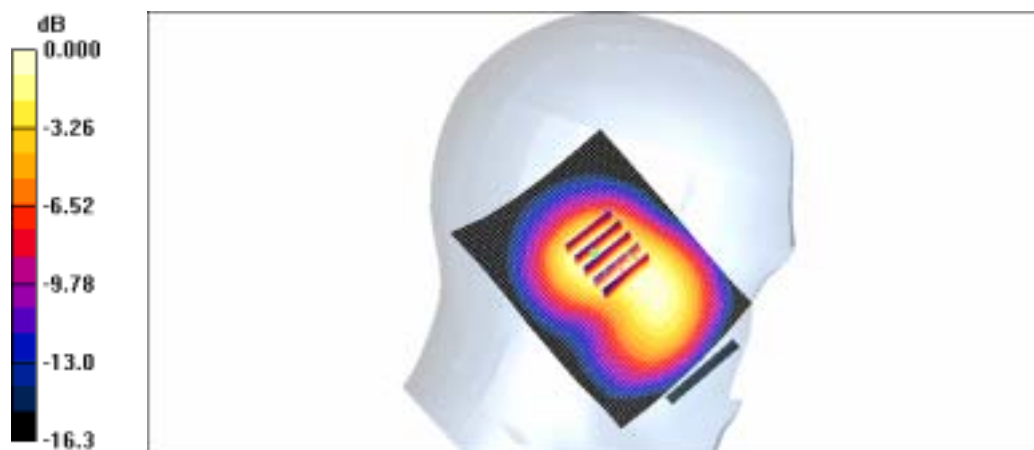
Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 11.5 V/m; Power Drift = -0.115 dB

Peak SAR (extrapolated) = 0.651 W/kg

SAR(1 g) = 0.417 mW/g

Maximum value of SAR (measured) = 0.461 mW/g



0 dB = 0.461mW/g

SAMSUNG FCC ID : A3LSGHE390 GSM1900 HEAD SAR

DUT: SGH-E390(Down);

Program Name: SGH-E390 GSM1900 Left Slide Down(Job No. : FD-189)

Procedure Name: Ear/Tilt, Ch.661, Ant.Intenna, Bat.Standard 2

Meas. Ambient Temp(celsius)-22.0, Tissue Temp(celsius)-21.8; Test Date-20/Oct/2006

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

Medium parameters used: $f = 1880$ MHz; $\sigma = 1.39$ mho/m; $\epsilon_r = 39.8$; $\rho = 1000$ kg/m³

Phantom section: Left Section

DASY4 Configuration:

- Probe: ES3DV3 - SN3085; ConvF(4.81, 4.81, 4.81); Calibrated: 2005-11-22
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn486; Calibrated: 2006-07-17
- Phantom: PHANTOM #1; Type: SAM; Serial: TP-1143
- Measurement SW: DASY4, V4.7 Build 44; Postprocessing SW: SEMCAD, V1.8 Build 171

Ear/Tilt, Ch.661, Ant.Intenna, Bat.Standard 2/Area Scan (51x71x1): Measurement grid:
dx=20mm, dy=20mm

Maximum value of SAR (interpolated) = 0.342 mW/g

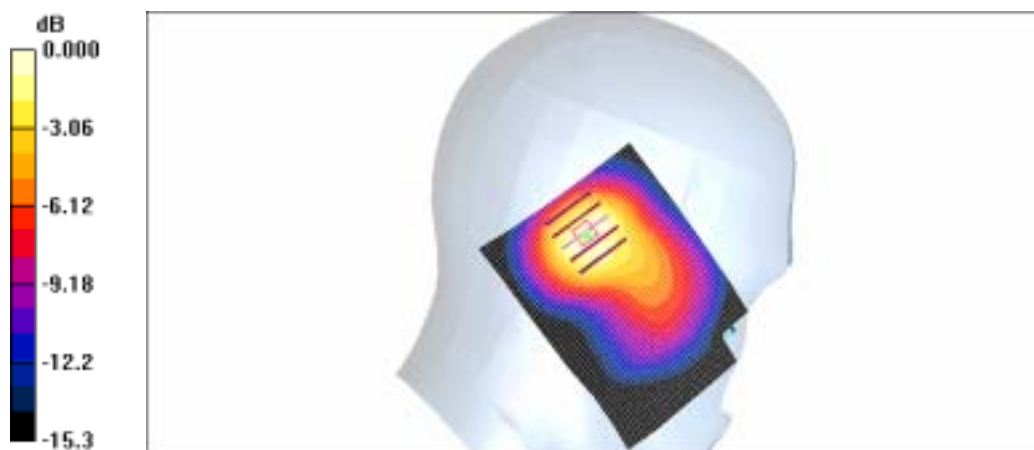
Ear/Tilt, Ch.661, Ant.Intenna, Bat.Standard 2/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 14.1 V/m; Power Drift = 0.109 dB

Peak SAR (extrapolated) = 0.442 W/kg

SAR(1 g) = 0.287 mW/g

Maximum value of SAR (measured) = 0.316 mW/g



0 dB = 0.316mW/g

SAMSUNG FCC ID : A3LSGHE390 GSM1900 HEAD SAR

DUT: SGH-E390(Up);

Program Name: SGH-E390 GSM1900 Left Slide Up(Job No. : FD-189)

Procedure Name: Cheek/Touch, Ch.661, Ant.Intenna, Bat.Standard

Meas. Ambient Temp(celsius)-22.0, Tissue Temp(celsius)-21.8; Test Date-20/Oct/2006

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

Medium parameters used: $f = 1880$ MHz; $\sigma = 1.39$ mho/m; $\epsilon_r = 39.8$; $\rho = 1000$ kg/m³

Phantom section: Left Section

DASY4 Configuration:

- Probe: ES3DV3 - SN3085; ConvF(4.81, 4.81, 4.81); Calibrated: 2005-11-22
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn486; Calibrated: 2006-07-17
- Phantom: PHANTOM #1; Type: SAM; Serial: TP-1143
- Measurement SW: DASY4, V4.7 Build 44; Postprocessing SW: SEMCAD, V1.8 Build 171

Cheek/Touch, Ch.661, Ant.Intenna, Bat.Standard/Area Scan (51x71x1): Measurement grid: dx=20mm, dy=20mm

Maximum value of SAR (interpolated) = 0.370 mW/g

Cheek/Touch, Ch.661, Ant.Intenna, Bat.Standard/Zoom Scan (5x5x7)/Cube 0:

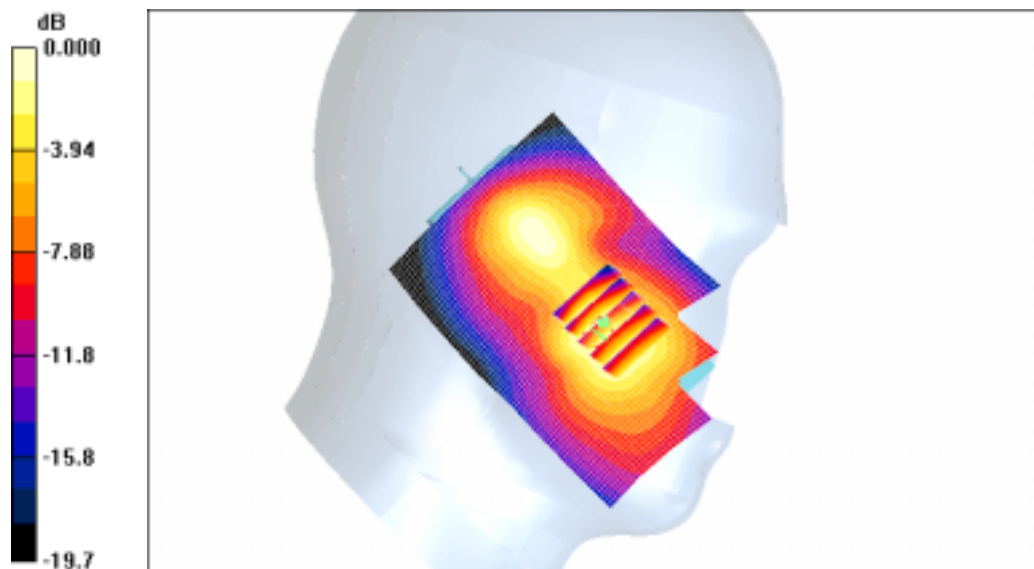
Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 16.4 V/m; Power Drift = 0.027 dB

Peak SAR (extrapolated) = 0.557 W/kg

SAR(1 g) = 0.394 mW/g

Maximum value of SAR (measured) = 0.419 mW/g



0 dB = 0.419mW/g

SAMSUNG FCC ID : A3LSGHE390 GSM1900 HEAD SAR

DUT: SGH-E390(Up);

Program Name: SGH-E390 GSM1900 Left Slide Up(Job No. : FD-189)

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

Meas. Ambient Temp(celsius)-22.0, Tissue Temp(celsius)-21.8; Test Date-20/Oct/2006

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

Medium parameters used: $f = 1880$ MHz; $\sigma = 1.39$ mho/m; $\epsilon_r = 39.8$; $\rho = 1000$ kg/m³

Phantom section: Left Section

DASY4 Configuration:

- Probe: ES3DV3 - SN3085; ConvF(4.81, 4.81, 4.81); Calibrated: 2005-11-22
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn486; Calibrated: 2006-07-17
- Phantom: PHANTOM #1; Type: SAM; Serial: TP-1143
- Measurement SW: DASY4, V4.7 Build 44; Postprocessing SW: SEMCAD, V1.8 Build 171

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

dx=20mm, dy=20mm

Maximum value of SAR (interpolated) = 0.426 mW/g

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

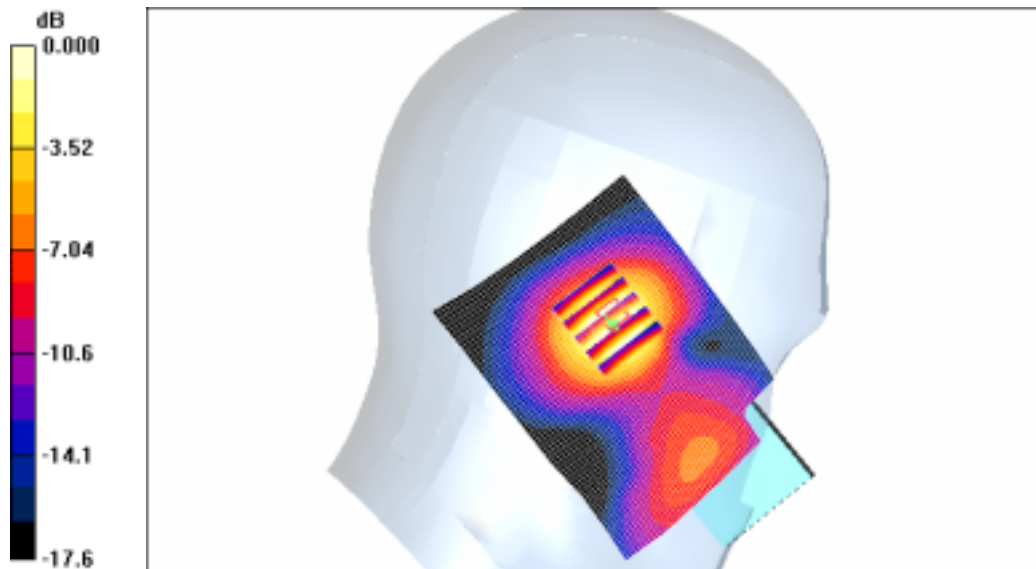
grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 11.4 V/m; Power Drift = 0.040 dB

Peak SAR (extrapolated) = 0.445 W/kg

SAR(1 g) = 0.296 mW/g

Maximum value of SAR (measured) = 0.313 mW/g



0 dB = 0.313mW/g

SAMSUNG FCC ID : A3LSGHE390 GSM1900 HEAD SAR

DUT: SGH-E390(Down);

Program Name: SGH-E390 GSM1900 Right Slide Down(Job No. : FD-189)

Procedure Name: Cheek/Touch, Ch.661, Ant.Intenna, Bat.Standard

Meas. Ambient Temp(celsius)-22.0, Tissue Temp(celsius)-21.8; Test Date-20/Oct/2006

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

Medium parameters used: $f = 1880$ MHz; $\sigma = 1.39$ mho/m; $\epsilon_r = 39.8$; $\rho = 1000$ kg/m³

Phantom section: Right Section

DASY4 Configuration:

- Probe: ES3DV3 - SN3085; ConvF(4.81, 4.81, 4.81); Calibrated: 2005-11-22
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn486; Calibrated: 2006-07-17
- Phantom: PHANTOM #1; Type: SAM; Serial: TP-1143
- Measurement SW: DASY4, V4.7 Build 44; Postprocessing SW: SEMCAD, V1.8 Build 171

Cheek/Touch, Ch.661, Ant.Intenna, Bat.Standard/Area Scan (51x71x1): Measurement grid: dx=20mm, dy=20mm

Maximum value of SAR (interpolated) = 0.245 mW/g

Cheek/Touch, Ch.661, Ant.Intenna, Bat.Standard/Zoom Scan (5x5x7)/Cube 0:

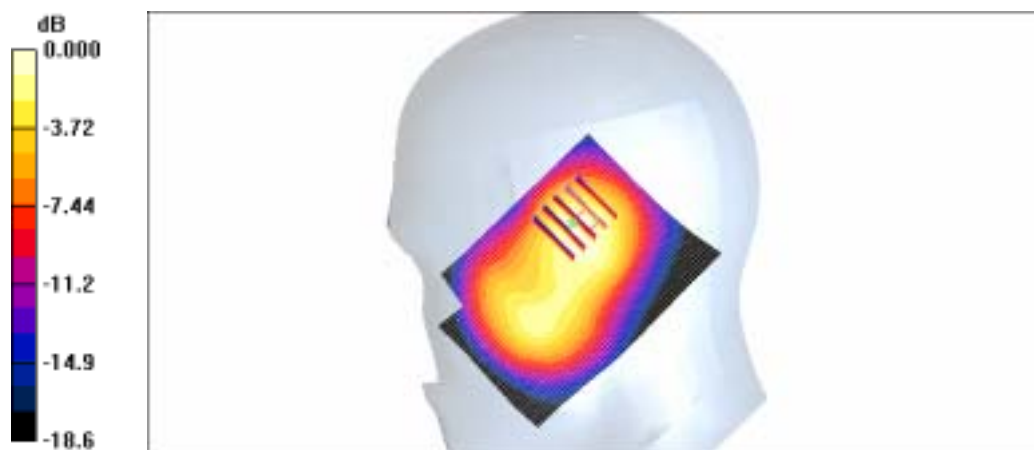
Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 9.54 V/m; Power Drift = -0.004 dB

Peak SAR (extrapolated) = 0.423 W/kg

SAR(1 g) = 0.263 mW/g

Maximum value of SAR (measured) = 0.286 mW/g



0 dB = 0.286mW/g

SAMSUNG FCC ID : A3LSGHE390 GSM1900 HEAD SAR

DUT: SGH-E390(Down);

Program Name: SGH-E390 GSM1900 Right Slide Down(Job No. : FD-189)

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

Meas. Ambient Temp(celsius)-22.0, Tissue Temp(celsius)-21.8; Test Date-20/Oct/2006

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

Medium parameters used: $f = 1880$ MHz; $\sigma = 1.39$ mho/m; $\epsilon_r = 39.8$; $\rho = 1000$ kg/m³

Phantom section: Right Section

DASY4 Configuration:

- Probe: ES3DV3 - SN3085; ConvF(4.81, 4.81, 4.81); Calibrated: 2005-11-22
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn486; Calibrated: 2006-07-17
- Phantom: PHANTOM #1; Type: SAM; Serial: TP-1143
- Measurement SW: DASY4, V4.7 Build 44; Postprocessing SW: SEMCAD, V1.8 Build 171

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

dx=20mm, dy=20mm

Maximum value of SAR (interpolated) = 0.239 mW/g

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

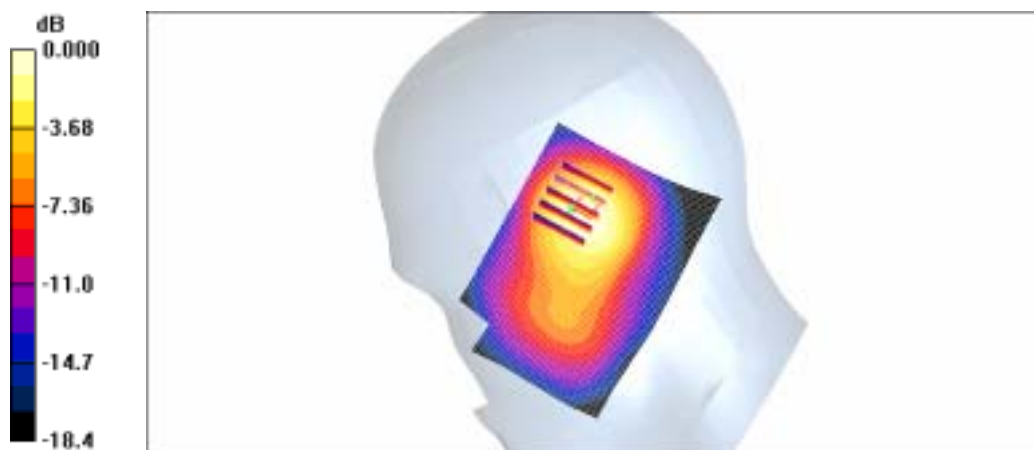
grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 6.18 V/m; Power Drift = -0.075 dB

Peak SAR (extrapolated) = 0.404 W/kg

SAR(1 g) = 0.257 mW/g

Maximum value of SAR (measured) = 0.275 mW/g



0 dB = 0.275mW/g

SAMSUNG FCC ID : A3LSGHE390 GSM1900 HEAD SAR

DUT: SGH-E390(Up);

Program Name: SGH-E390 GSM1900 Right Slide Up(Job No. : FD-189)

Procedure Name: Cheek/Touch, Ch.512, Ant.Intenna, Bat.Standard with BT ON

Meas. Ambient Temp(celsius)-22.0, Tissue Temp(celsius)-21.8; Test Date-20/Oct/2006

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

Medium parameters used: $f = 1850.2 \text{ MHz}$; $\sigma = 1.39 \text{ mho/m}$; $\epsilon_r = 39.8$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Right Section

DASY4 Configuration:

- Probe: ES3DV3 - SN3085; ConvF(4.81, 4.81, 4.81); Calibrated: 2005-11-22
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn486; Calibrated: 2006-07-17
- Phantom: PHANTOM #1; Type: SAM; Serial: TP-1143
- Measurement SW: DASY4, V4.7 Build 44; Postprocessing SW: SEMCAD, V1.8 Build 171

Cheek/Touch, Ch.512, Ant.Intenna, Bat.Standard with BT ON/Area Scan (51x71x1):

Measurement grid: $dx=20\text{mm}$, $dy=20\text{mm}$

Maximum value of SAR (interpolated) = 0.485 mW/g

Cheek/Touch, Ch.512, Ant.Intenna, Bat.Standard with BT ON/Zoom Scan (5x5x7)/Cube

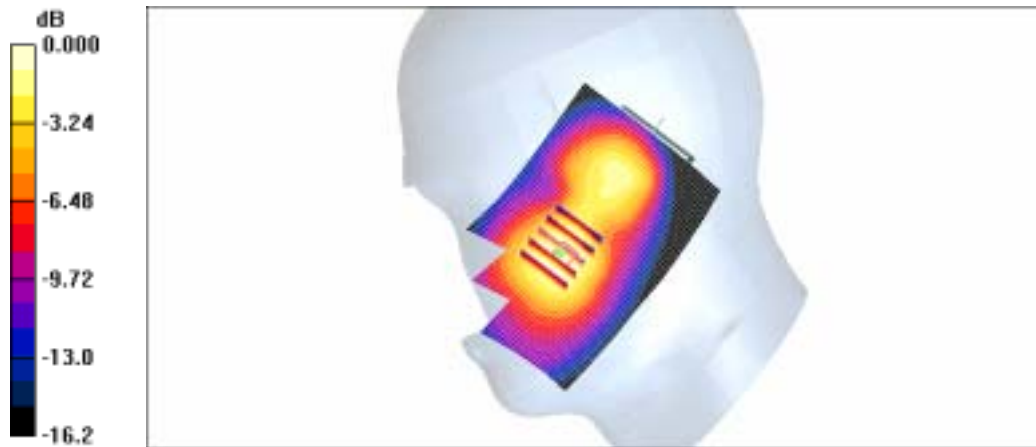
0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

Reference Value = 18.5 V/m; Power Drift = -0.081 dB

Peak SAR (extrapolated) = 0.644 W/kg

SAR(1 g) = 0.460 mW/g

Maximum value of SAR (measured) = 0.487 mW/g



0 dB = 0.487mW/g

SAMSUNG FCC ID : A3LSGHE390 GSM1900 HEAD SAR

DUT: SGH-E390(Up);

Program Name: SGH-E390 GSM1900 Right Slide Up(Job No. : FD-189)

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

Meas. Ambient Temp(celsius)-22.0, Tissue Temp(celsius)-21.8; Test Date-20/Oct/2006

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

Medium parameters used: $f = 1880$ MHz; $\sigma = 1.39$ mho/m; $\epsilon_r = 39.8$; $\rho = 1000$ kg/m³

Phantom section: Right Section

DASY4 Configuration:

- Probe: ES3DV3 - SN3085; ConvF(4.81, 4.81, 4.81); Calibrated: 2005-11-22
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn486; Calibrated: 2006-07-17
- Phantom: PHANTOM #1; Type: SAM; Serial: TP-1143
- Measurement SW: DASY4, V4.7 Build 44; Postprocessing SW: SEMCAD, V1.8 Build 171

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

dx=20mm, dy=20mm

Maximum value of SAR (interpolated) = 0.365 mW/g

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

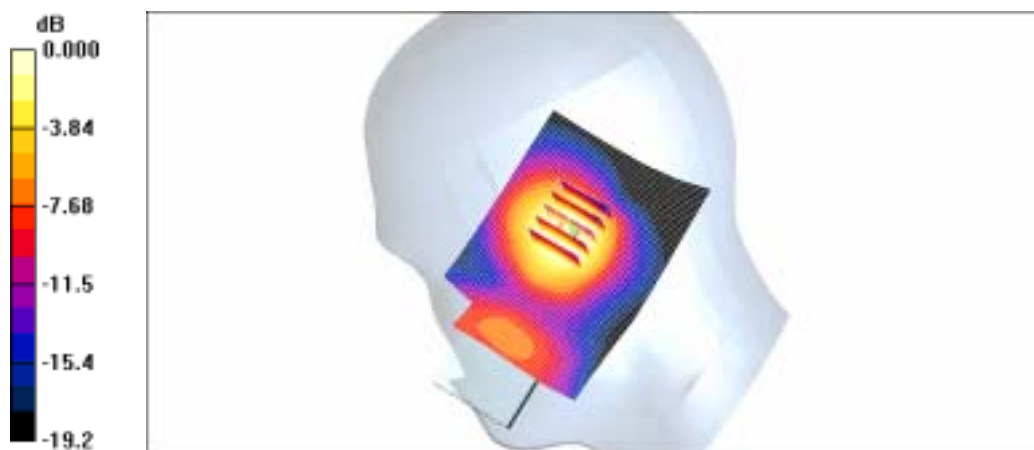
grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 5.15 V/m; Power Drift = 0.039 dB

Peak SAR (extrapolated) = 0.418 W/kg

SAR(1 g) = 0.289 mW/g

Maximum value of SAR (measured) = 0.310 mW/g



0 dB = 0.310mW/g

SAMSUNG FCC ID : A3LSGHE390 GPRS1900 Body SAR

DUT: SGH-E390(Down);

Program Name: SGH-E390 GSM1900 Body (Job No. : FD-189)

Procedure Name: Body, Ch.512, Ant.Intenna, Bat.Standard

Meas. Ambient Temp(celsius)-21.8, Tissue Temp(celsius)-21.7; Test Date-20/Oct/2006

Communication System: Body GPRS ; Frequency: 1850.2 MHz; Duty Cycle: 1:4.15

Medium parameters used: $f = 1850.2$ MHz; $\sigma = 1.5$ mho/m; $\epsilon_r = 52.1$; $\rho = 1000$ kg/m³

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: 2006-07-17
- Phantom: PHANTOM #2; Type: SAM; Serial: TP-1141
- Measurement SW: DASY4, V4.7 Build 44; Postprocessing SW: SEMCAD, V1.8 Build 171

Body, Ch.512, Ant.Intenna, Bat.Standard/Area Scan (51x71x1): Measurement grid:

dx=20mm, dy=20mm

Maximum value of SAR (interpolated) = 0.672 mW/g

Body, Ch.512, Ant.Intenna, Bat.Standard/Zoom Scan (5x5x7)/Cube 0: Measurement grid:

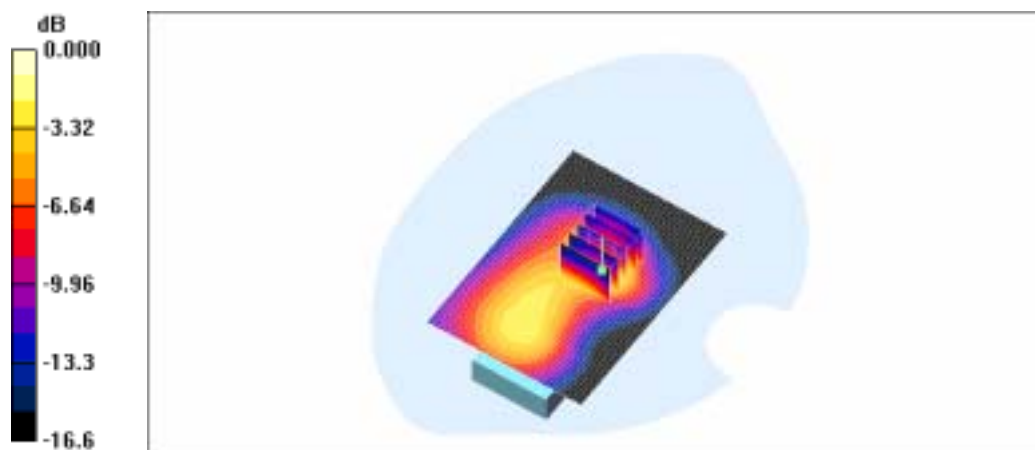
dx=8mm, dy=8mm, dz=5mm

Reference Value = 18.0 V/m; Power Drift = -0.032 dB

Peak SAR (extrapolated) = 0.960 W/kg

SAR(1 g) = 0.596 mW/g

Maximum value of SAR (measured) = 0.653 mW/g



0 dB = 0.653mW/g

SAMSUNG FCC ID : A3LSGHE390 GSM850 HEAD SAR

DUT: SGH-E390(Down);

Program Name: SGH-E390 GSM850 Left Slide Down (Job No. : FD-189)

Procedure Name: Cheek/Touch, Ch.251, Ant.Intenna, Bat.Standard

Meas. Ambient Temp(celsius)-22.0, Tissue Temp(celsius)-21.6; Test Date-20/Oct/2006

Communication System: GSM 850; Frequency: 848.8 MHz; Duty Cycle: 1:8.3

Medium parameters used: $f = 848.8$ MHz; $\sigma = 0.91$ mho/m; $\epsilon_r = 41.5$; $\rho = 1000$ kg/m³

Phantom section: Left Section

DASY4 Configuration:

- Probe: ES3DV3 - SN3085; ConvF(5.73, 5.73, 5.73); Calibrated: 2005-11-22
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn486; Calibrated: 2006-07-17
- Phantom: PHANTOM #1; Type: SAM; Serial: TP-1143
- Measurement SW: DASY4, V4.7 Build 44; Postprocessing SW: SEMCAD, V1.8 Build 171

Cheek/Touch, Ch.251, Ant.Intenna, Bat.Standard/Area Scan (51x71x1): Measurement grid: dx=20mm, dy=20mm

Maximum value of SAR (interpolated) = 0.259 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 = 9.71 V/m; Power Drift = -0.089 dB

Peak SAR (extrapolated) = 0.285 W/kg

SAR(1 g) = 0.224 mW/g

Maximum value of SAR (measured) = 0.236 mW/g



SAMSUNG FCC ID : A3LSGHE390 GPRS850 Body SAR

DUT: SGH-E390(Down);

Program Name: SGH-E390 GSM850 Body (Job No. : FD-189)

Procedure Name: Body, Ch.251, Ant.Intenna, Bat.Standard

Meas. Ambient Temp(celsius)-21.9, Tissue Temp(celsius)-21.7; Test Date-20/Oct/2006

Communication System: GSM 850 (GPRS); Frequency: 848.8 MHz; Duty Cycle: 1:4.15

Medium parameters used: $f = 848.8$ MHz; $\sigma = 0.99$ mho/m; $\epsilon_r = 53.8$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY4 Configuration:

- Probe: ES3DV3 - SN3085; ConvF(5.91, 5.91, 5.91); Calibrated: 2005-11-22
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn486; Calibrated: 2006-07-17
- Phantom: PHANTOM #2; Type: SAM; Serial: TP-1141
- Measurement SW: DASY4, V4.7 Build 44; Postprocessing SW: SEMCAD, V1.8 Build 171

Body, Ch.251, Ant.Intenna, Bat.Standard/Area Scan (51x71x1): Measurement grid:

dx=20mm, dy=20mm

Maximum value of SAR (interpolated) = 0.598 mW/g

Body, Ch.251, Ant.Intenna, Bat.Standard/Zoom Scan (5x5x7)/Cube 0: Measurement grid:

dx=8mm, dy=8mm, dz=5mm

Reference Value = 22.1 V/m; Power Drift = 0.107 dB

Peak SAR (extrapolated) = 0.777 W/kg

SAR(1 g) = 0.512 mW/g

Maximum value of SAR (measured) = 0.547 mW/g



SAMSUNG FCC ID : A3LSGHE390 GSM1900 HEAD SAR

DUT: SGH-E390(Up);

Program Name: SGH-E390 GSM1900 Right Slide Up(Job No. : FD-189)

Procedure Name: Cheek/Touch, Ch.512, Ant.Intenna, Bat.Standard with BT ON

Meas. Ambient Temp(celsius)-22.0, Tissue Temp(celsius)-21.8; Test Date-20/Sep/2006

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

Medium parameters used: $f = 1850.2$ MHz; $\sigma = 1.39$ mho/m; $\epsilon_r = 39.8$; $\rho = 1000$ kg/m³

Phantom section: Right Section

DASY4 Configuration:

- Probe: ES3DV3 - SN3085; ConvF(4.81, 4.81, 4.81); Calibrated: 2005-11-22
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn486; Calibrated: 2006-07-17
- Phantom: PHANTOM #1; Type: SAM; Serial: TP-1143
- Measurement SW: DASY4, V4.7 Build 44; Postprocessing SW: SEMCAD, V1.8 Build 171

Cheek/Touch, Ch.512, Ant.Intenna, Bat.Standard with BT ON/Area Scan (51x71x1):

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

Maximum value of SAR (interpolated) = 0.485 mW/g

Cheek/Touch, Ch.512, Ant.Intenna, Bat.Standard with BT ON/Zoom Scan (5x5x7)/Cube

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

Reference Value = 18.5 V/m; Power Drift = -0.081 dB

Peak SAR (extrapolated) = 0.644 W/kg

SAR(1 g) = 0.460 mW/g

Maximum value of SAR (measured) = 0.487 mW/g



SAMSUNG FCC ID : A3LSGHE390 GPRS1900 Body SAR

DUT: SGH-E390(Down);

Program Name: SGH-E390 GSM1900 Body (Job No. : FD-189)

Procedure Name: Body, Ch.512, Ant.Intenna, Bat.Standard

Meas. Ambient Temp(celsius)-21.8, Tissue Temp(celsius)-21.7; Test Date-20/Oct/2006

Communication System: Body GPRS ; Frequency: 1850.2 MHz;Duty Cycle: 1:4.15

Medium parameters used: $f = 1850.2$ MHz; $\sigma = 1.5$ mho/m; $\epsilon_r = 52.1$; $\rho = 1000$ kg/m³

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: 2006-07-17
- Phantom: PHANTOM #2; Type: SAM; Serial: TP-1141
- Measurement SW: DASY4, V4.7 Build 44; Postprocessing SW: SEMCAD, V1.8 Build 171

Body, Ch.512, Ant.Intenna, Bat.Standard/Area Scan (51x71x1): Measurement grid:

dx=20mm, dy=20mm

Maximum value of SAR (interpolated) = 0.672 mW/g

Body, Ch.512, Ant.Intenna, Bat.Standard/Zoom Scan (5x5x7)/Cube 0: Measurement grid:

dx=8mm, dy=8mm, dz=5mm

Reference Value = 18.0 V/m; Power Drift = -0.032 dB

Peak SAR (extrapolated) = 0.960 W/kg

SAR(1 g) = 0.596 mW/g

Maximum value of SAR (measured) = 0.653 mW/g

