

SAMSUNG FCC ID : A3LSGHE540 -- 1900MHz GSM1900 Head SAR

DUT: SGH-E540; Serial: FD-016-B

Program Name: SGH-E540 GSM1900 Right (Job No. : FD-015)

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

Procedure Notes: Meas. Ambient Temp(celsius)-20.9, Tissue Temp(celsius)-20.7; Test Date-10/Feb/2006 [OET Bulletin 65-Supplement C, July 2001]

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

Medium parameters used: $f = 1850.2$ MHz; $\sigma = 1.43$ mho/m; $\epsilon_r = 39$; $\rho = 1000$ kg/m³

Phantom section: Right Section

DASY4 Configuration:

- Probe: ES3DV3 - SN3080; ConvF(4.92, 4.92, 4.92); Calibrated: 2005-05-26
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn533; Calibrated: 2005-11-21
- Phantom: PHANTOM #1; Type: SAM; Serial: TP-1143
- Measurement SW: DASY4, V4.6 Build 23; Postprocessing SW: SEMCAD, V1.8 Build 160

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

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

Reference Value = 14.0 V/m; Power Drift = -0.105 dB

Peak SAR (extrapolated) = 3.28 W/kg

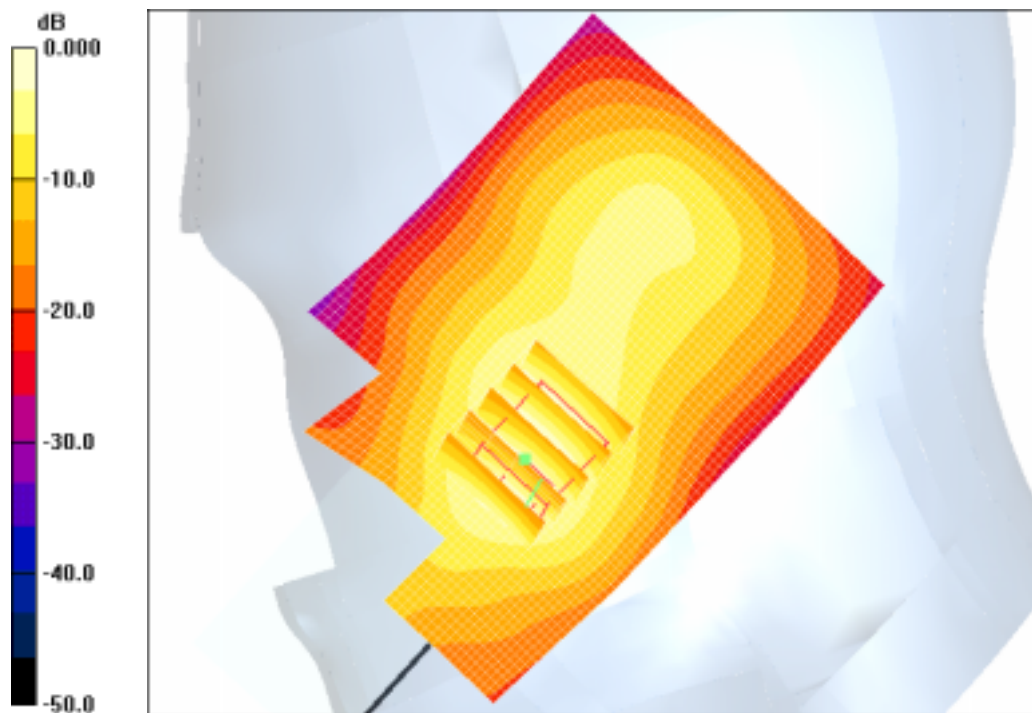
SAR(1 g) = 1.44 mW/g

Maximum value of SAR (measured) = 1.59 mW/g

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

grid: dx=20mm, dy=20mm

Maximum value of SAR (interpolated) = 1.58 mW/g



0 dB = 1.58mW/g

SAMSUNG FCC ID : A3LSGHE540 -- 1900MHz GSM1900 Head SAR

DUT: SGH-E540; Serial: FD-016-B

Program Name: SGH-E540 GSM1900 Right (Job No. : FD-016)

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

Procedure Notes: Meas. Ambient Temp(celsius)-20.9, Tissue Temp(celsius)-20.7; Test Date-10/Feb/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; $\sigma = 1.43$ mho/m; $\epsilon_r = 39$; $\rho = 1000$ kg/m³

Phantom section: Right Section

DASY4 Configuration:

- Probe: ES3DV3 - SN3080; ConvF(4.92, 4.92, 4.92); Calibrated: 2005-05-26
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn533; Calibrated: 2005-11-21
- Phantom: PHANTOM #1; Type: SAM; Serial: TP-1143
- Measurement SW: DASY4, V4.6 Build 23; Postprocessing SW: SEMCAD, V1.8 Build 160

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

Reference Value = 14.9 V/m; Power Drift = -0.035 dB

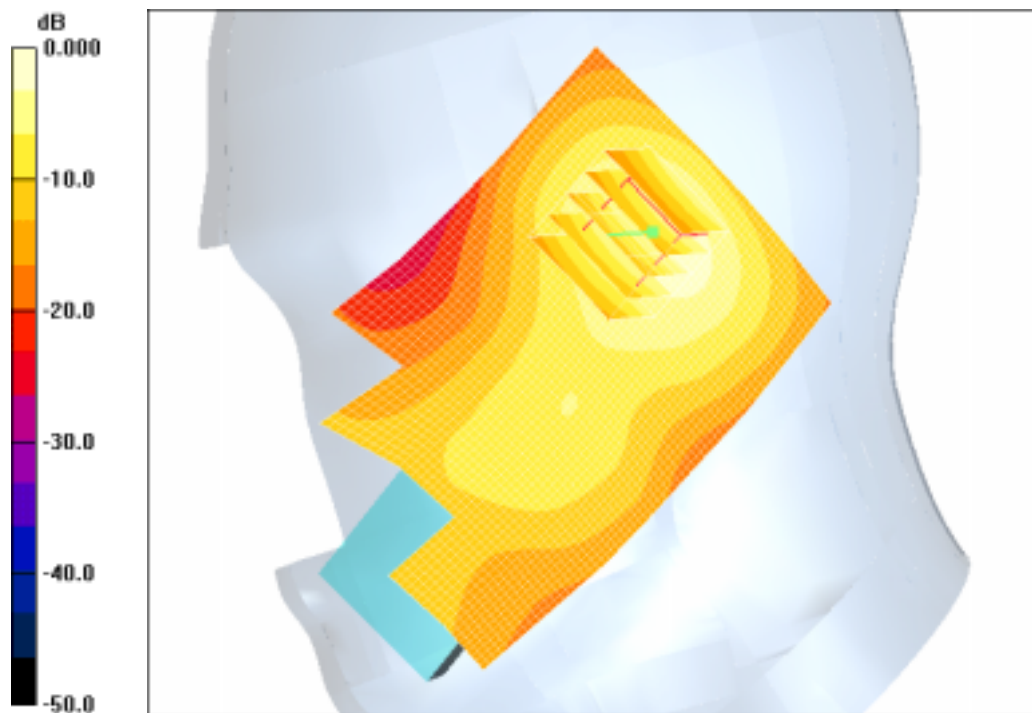
Peak SAR (extrapolated) = 0.506 W/kg

SAR(1 g) = 0.343 mW/g

Maximum value of SAR (measured) = 0.367 mW/g

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

Maximum value of SAR (interpolated) = 0.470 mW/g



0 dB = 0.470mW/g

SAMSUNG FCC ID : A3LSGHE540 -- 1900MHz GSM1900 Head SAR

DUT: SGH-E540; Serial: FD-016-B

Program Name: SGH-E540 GSM1900 Left (Job No. : FD-016)

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

Procedure Notes: Meas. Ambient Temp(celsius)-20.9, Tissue Temp(celsius)-20.7; Test Date-10/Feb/2006 [OET Bulletin 65-Supplement C, July 2001]

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

Medium parameters used: $f = 1850.2$ MHz; $\sigma = 1.43$ mho/m; $\epsilon_r = 39$; $\rho = 1000$ kg/m³

Phantom section: Left Section

DASY4 Configuration:

- Probe: ES3DV3 - SN3080; ConvF(4.92, 4.92, 4.92); Calibrated: 2005-05-26
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn533; Calibrated: 2005-11-21
- Phantom: PHANTOM #1; Type: SAM; Serial: TP-1143
- Measurement SW: DASY4, V4.6 Build 23; Postprocessing SW: SEMCAD, V1.8 Build 160

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

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

Reference Value = 13.1 V/m; Power Drift = 0.031 dB

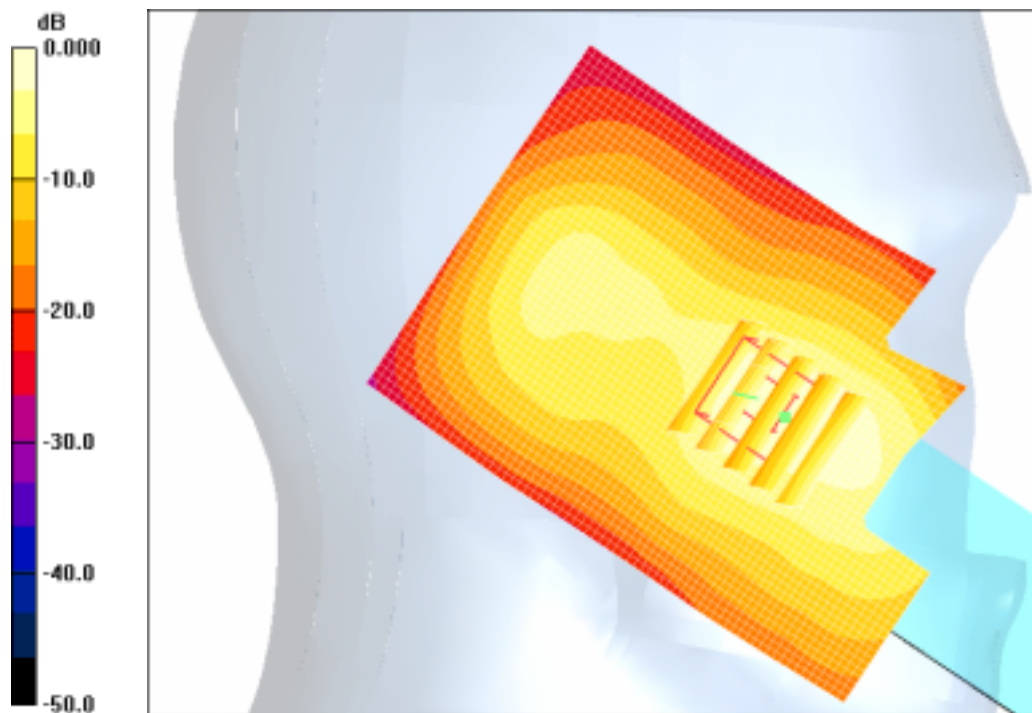
Peak SAR (extrapolated) = 1.43 W/kg

SAR(1 g) = 0.858 mW/g

Maximum value of SAR (measured) = 0.911 mW/g

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

Maximum value of SAR (interpolated) = 1.08 mW/g



0 dB = 1.08mW/g

SAMSUNG FCC ID : A3LSGHE540 -- 1900MHz GSM1900 Head SAR

DUT: SGH-E540; Serial: FD-016-B

Program Name: SGH-E540 GSM1900 Left (Job No. : FD-016)

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

Procedure Notes: Meas. Ambient Temp(celsius)-20.9, Tissue Temp(celsius)-20.7; Test Date-10/Feb/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; $\sigma = 1.43$ mho/m; $\epsilon_r = 39$; $\rho = 1000$ kg/m³

Phantom section: Left Section

DASY4 Configuration:

- Probe: ES3DV3 - SN3080; ConvF(4.92, 4.92, 4.92); Calibrated: 2005-05-26
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn533; Calibrated: 2005-11-21
- Phantom: PHANTOM #1; Type: SAM; Serial: TP-1143
- Measurement SW: DASY4, V4.6 Build 23; Postprocessing SW: SEMCAD, V1.8 Build 160

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

Reference Value = 14.4 V/m; Power Drift = 0.198 dB

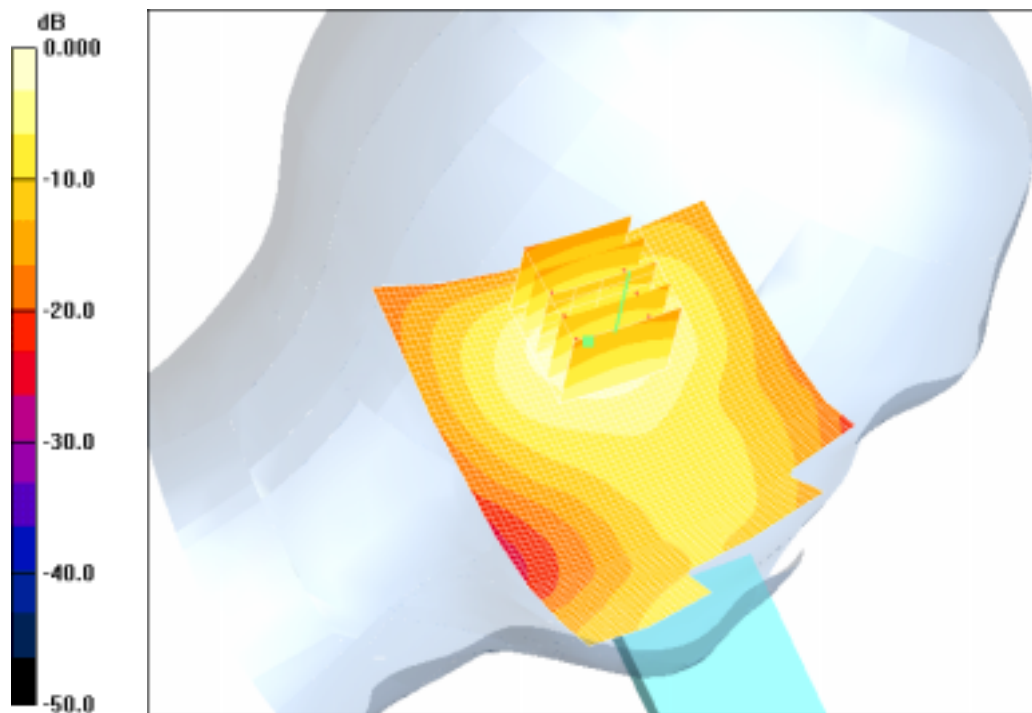
Peak SAR (extrapolated) = 0.467 W/kg

SAR(1 g) = 0.312 mW/g

Maximum value of SAR (measured) = 0.330 mW/g

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

Maximum value of SAR (interpolated) = 0.436 mW/g



0 dB = 0.436mW/g

SAMSUNG FCC ID : A3LSGHE540 -- 1900MHz GSM1900 Head SAR

DUT: SGH-E540; Serial: FD-016-B

Program Name: SGH-E540 GSM1900 Right (Job No. : FD-016)

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

Procedure Notes: Meas. Ambient Temp(celsius)-20.9, Tissue Temp(celsius)-20.7; Test Date-10/Feb/2006 [OET Bulletin 65-Supplement C, July 2001]

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

Medium parameters used: $f = 1850.2$ MHz; $\sigma = 1.43$ mho/m; $\epsilon_r = 39$; $\rho = 1000$ kg/m³

Phantom section: Right Section

DASY4 Configuration:

- Probe: ES3DV3 - SN3080; ConvF(4.92, 4.92, 4.92); Calibrated: 2005-05-26
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn533; Calibrated: 2005-11-21
- Phantom: PHANTOM #1; Type: SAM; Serial: TP-1143
- Measurement SW: DASY4, V4.6 Build 23; Postprocessing SW: SEMCAD, V1.8 Build 160

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 = 13.8 V/m; Power Drift = -0.049 dB

Peak SAR (extrapolated) = 3.28 W/kg

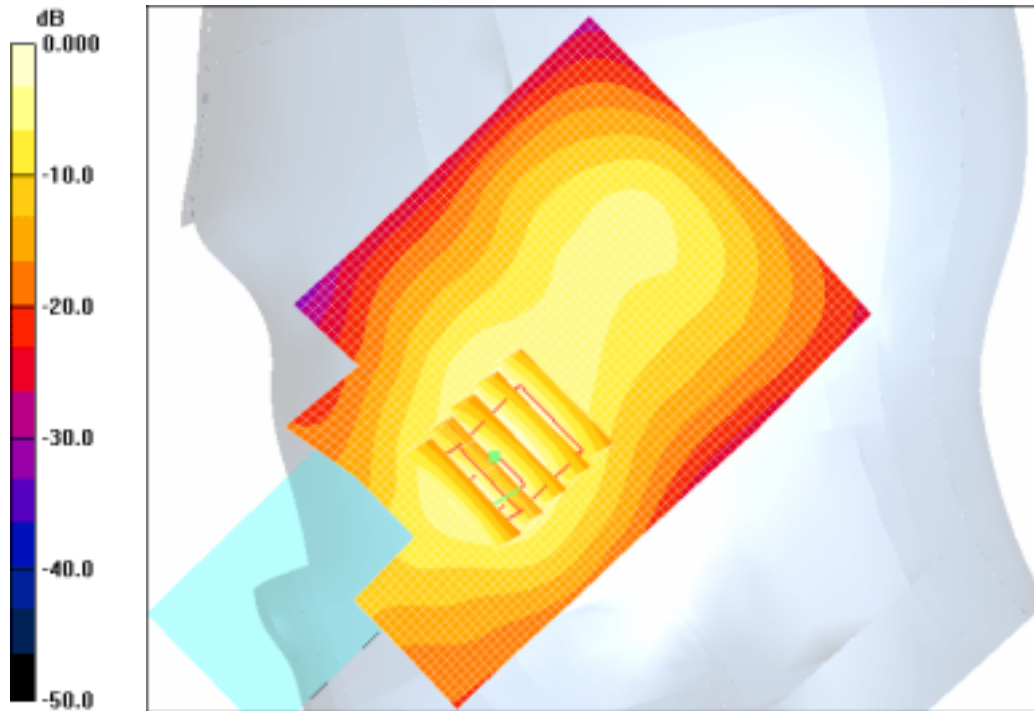
SAR(1 g) = 1.43 mW/g

Maximum value of SAR (measured) = 1.58 mW/g

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) = 1.56 mW/g



0 dB = 1.56mW/g

SAMSUNG FCC ID : A3LSGHE540 -- 1900MHz GPRS1900 Body SAR

DUT: SGH-E540(Body); Serial: FD-016-B

Program Name: SGH-E540 GSM1900 Body (Job No. : FD-016)

Procedure Name: Body, Ch.661, Ant. Intenna, Bat.Standard

Procedure Notes: Meas. Ambient Temp(celsius)-21.1, Tissue Temp(celsius)-20.9; Test Date-10/Feb/2006 [OET Bulletin 65-Supplement C, July 2001]

Communication System: Body GPRS ; Frequency: 1880 MHz;Duty Cycle: 1:4.15

Medium parameters used: $f = 1880$ MHz; $\sigma = 1.56$ mho/m; $\epsilon_r = 52.1$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY4 Configuration:

- Probe: ES3DV3 - SN3080; ConvF(4.42, 4.42, 4.42); Calibrated: 2005-05-26
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn533; Calibrated: 2005-11-21
- Phantom: PHANTOM #2; Type: SAM; Serial: TP-1141
- Measurement SW: DASY4, V4.6 Build 23; Postprocessing SW: SEMCAD, V1.8 Build 160

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

dx=20mm, dy=20mm

Maximum value of SAR (interpolated) = 0.241 mW/g

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

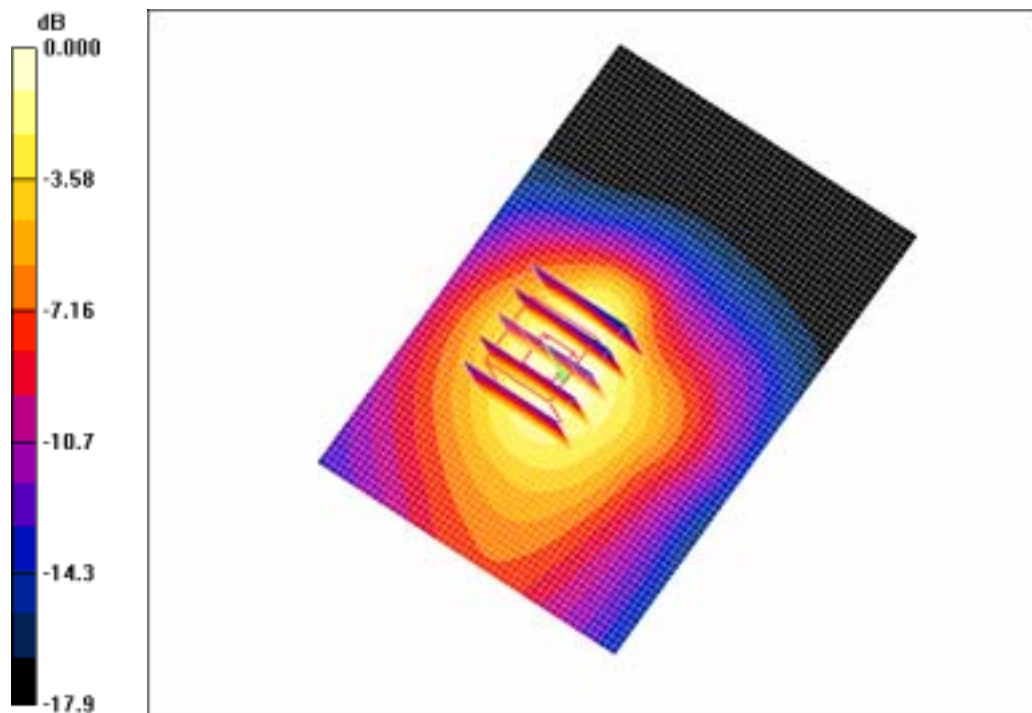
grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 3.67 V/m; Power Drift = 0.182 dB

Peak SAR (extrapolated) = 0.344 W/kg

SAR(1 g) = 0.220 mW/g

Maximum value of SAR (measured) = 0.234 mW/g



0 dB = 0.234mW/g

SAMSUNG FCC ID : A3LSGHE540 -- 1900MHz GPRS1900 Body SAR

DUT: SGH-E540(Body); Serial: FD-016-B

Program Name: SGH-E540 GSM1900 Body (Job No. : FD-016)

Procedure Name: Body, Ch.661, Ant. Intenna, Bat.Standard With BT ON

Procedure Notes: Meas. Ambient Temp(celsius)-21.1, Tissue Temp(celsius)-20.9; Test Date-10/Feb/2006 [OET Bulletin 65-Supplement C, July 2001]

Communication System: Body GPRS ; Frequency: 1880 MHz;Duty Cycle: 1:4.15

Medium parameters used: $f = 1880$ MHz; $\sigma = 1.56$ mho/m; $\epsilon_r = 52.1$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY4 Configuration:

- Probe: ES3DV3 - SN3080; ConvF(4.42, 4.42, 4.42); Calibrated: 2005-05-26
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn533; Calibrated: 2005-11-21
- Phantom: PHANTOM #2; Type: SAM; Serial: TP-1141
- Measurement SW: DASY4, V4.6 Build 23; Postprocessing SW: SEMCAD, V1.8 Build 160

Body, Ch.661, Ant. Intenna, Bat.Standard With BT ON/Zoom Scan (5x5x7)/Cube 0:

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

Reference Value = 3.73 V/m; Power Drift = -0.088 dB

Peak SAR (extrapolated) = 0.300 W/kg

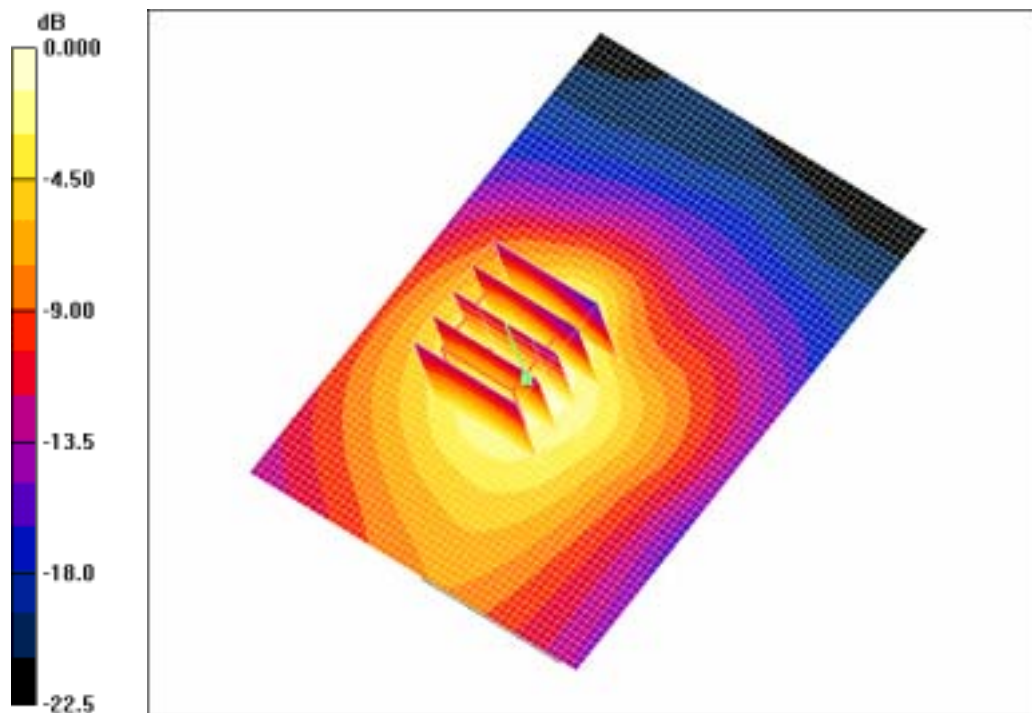
SAR(1 g) = 0.195 mW/g

Maximum value of SAR (measured) = 0.209 mW/g

Body, Ch.661, Ant. Intenna, Bat.Standard With BT ON/Area Scan (51x71x1):

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

Maximum value of SAR (interpolated) = 0.213 mW/g



0 dB = 0.213mW/g

SAMSUNG FCC ID : A3LSGHE540 -- 1900MHz GSM1900 Head SAR

DUT: SGH-E540; Serial: FD-016-B

Program Name: SGH-E540 GSM1900 Right (Job No. : FD-015)

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

Procedure Notes: Meas. Ambient Temp(celsius)-20.9, Tissue Temp(celsius)-20.7; Test Date-10/Feb/2006 [OET Bulletin 65-Supplement C, July 2001]

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

Medium parameters used: $f = 1850.2$ MHz; $\sigma = 1.43$ mho/m; $\epsilon_r = 39$; $\rho = 1000$ kg/m³

Phantom section: Right Section

DASY4 Configuration:

- Probe: ES3DV3 - SN3080; ConvF(4.92, 4.92, 4.92); Calibrated: 2005-05-26
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn533; Calibrated: 2005-11-21
- Phantom: PHANTOM #1; Type: SAM; Serial: TP-1143
- Measurement SW: DASY4, V4.6 Build 23; Postprocessing SW: SEMCAD, V1.8 Build 160

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

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

Reference Value = 14.0 V/m; Power Drift = -0.105 dB

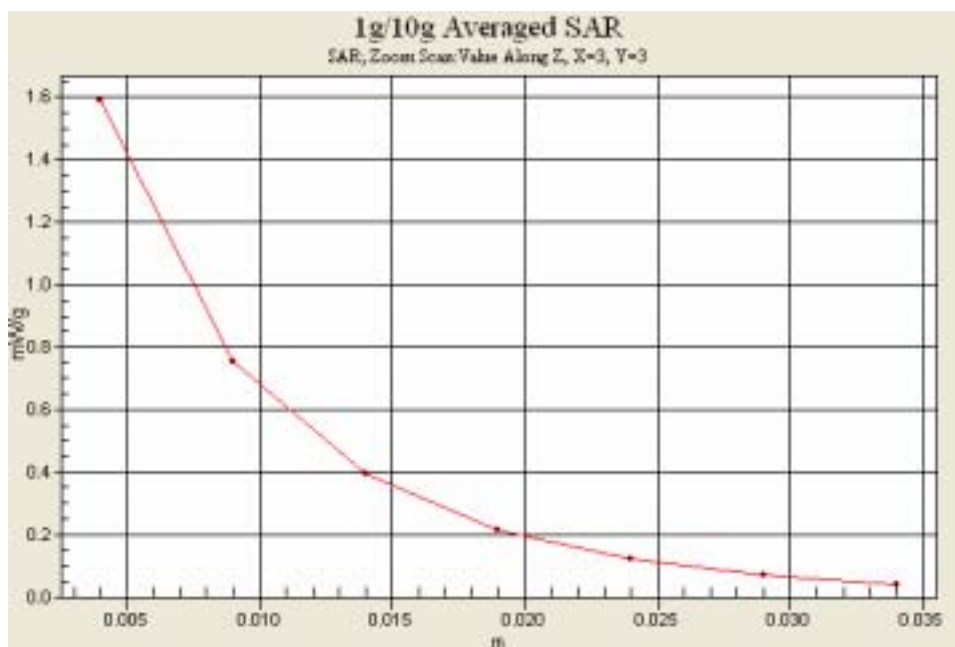
Peak SAR (extrapolated) = 3.28 W/kg

SAR(1 g) = 1.44 mW/g

Maximum value of SAR (measured) = 1.59 mW/g

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

Maximum value of SAR (interpolated) = 1.58 mW/g



SAMSUNG FCC ID : A3LSGHE540 - - 1900MHz GPRS1900 Body SAR

DUT: SGH-E540(Body); Serial: FD-016-B

Program Name: SGH-E540 GSM1900 Body (Job No. : FD-016)

Procedure Name: Body, Ch.661, Ant. Intenna, Bat.Standard

Procedure Notes: Meas. Ambient Temp(celsius)-21.1, Tissue Temp(celsius)-20.9; Test Date-10/Feb/2006 [OET Bulletin 65-Supplement C, July 2001]

Communication System: Body GPRS ; Frequency: 1880 MHz;Duty Cycle: 1:4.15

Medium parameters used: $f = 1880$ MHz; $\sigma = 1.56$ mho/m; $\epsilon_r = 52.1$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY4 Configuration:

- Probe: ES3DV3 - SN3080; ConvF(4.42, 4.42, 4.42); Calibrated: 2005-05-26
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn533; Calibrated: 2005-11-21
- Phantom: PHANTOM #2; Type: SAM; Serial: TP-1141
- Measurement SW: DASY4, V4.6 Build 23; Postprocessing SW: SEMCAD, V1.8 Build 160

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

dx=20mm, dy=20mm

Maximum value of SAR (interpolated) = 0.241 mW/g

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

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

Reference Value = 3.67 V/m; Power Drift = 0.182 dB

Peak SAR (extrapolated) = 0.344 W/kg

SAR(1 g) = 0.220 mW/g

Maximum value of SAR (measured) = 0.234 mW/g

