

SAMSUNG FCC ID : A3LSGHI300 -- 1900MHz GSM1900 Head SAR

DUT: SGH-i300; Serial: FC-098-B

Program Name: SGH-i300 GSM1900 Right (Job No. : FC-098)

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

Procedure Notes: Meas.Tissue Temp(celsius)-21.6; Test Date-08/Jul/2005 [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; $\sigma = 1.4$ mho/m; $\epsilon_r = 39.4$; $\rho = 1000$ kg/m³

Phantom section: Right Section

DASY4 Configuration:

- Probe: EX3DV4 - SN3537; ConvF(8.29, 8.29, 8.29); Calibrated: 2004-12-15
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn468; Calibrated: 2004-12-07
- Phantom: SAM 835/900 MHz; Type: SAM; Serial: TP-1247
- Measurement SW: DASY4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 146

Cheek/Touch, Ch.512, Ant.Intenna, Bat.Extended/Area Scan (51x61x1): Measurement grid: dx=20mm, dy=20mm

Maximum value of SAR (interpolated) = 0.374 mW/g

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

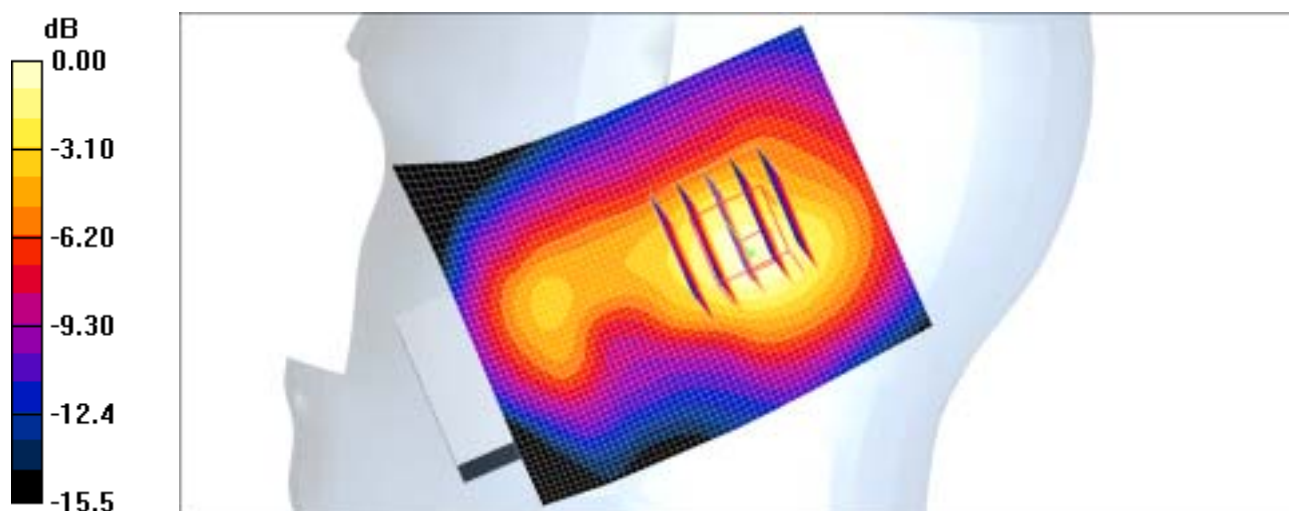
Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 15.2 V/m; Power Drift = -0.018 dB

Peak SAR (extrapolated) = 0.582 W/kg

SAR(1 g) = 0.356 mW/g

Maximum value of SAR (measured) = 0.379 mW/g



0 dB = 0.379mW/g

SAMSUNG FCC ID : A3LSGHI300 -- 1900MHz GSM1900 Head SAR

DUT: SGH-i300; Serial: FC-098-B

Program Name: SGH-i300 GSM1900 Right (Job No. : FC-098)

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

Procedure Notes: Meas.Tissue Temp(celsius)-21.6; Test Date-08/Jul/2005 [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; $\sigma = 1.4$ mho/m; $\epsilon_r = 39.4$; $\rho = 1000$ kg/m³

Phantom section: Right Section

DASY4 Configuration:

- Probe: EX3DV4 - SN3537; ConvF(8.29, 8.29, 8.29); Calibrated: 2004-12-15
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn468; Calibrated: 2004-12-07
- Phantom: SAM 835/900 MHz; Type: SAM; Serial: TP-1247
- Measurement SW: DASY4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 146

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

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

Reference Value = 15.3 V/m; Power Drift = 0.019 dB

Peak SAR (extrapolated) = 0.542 W/kg

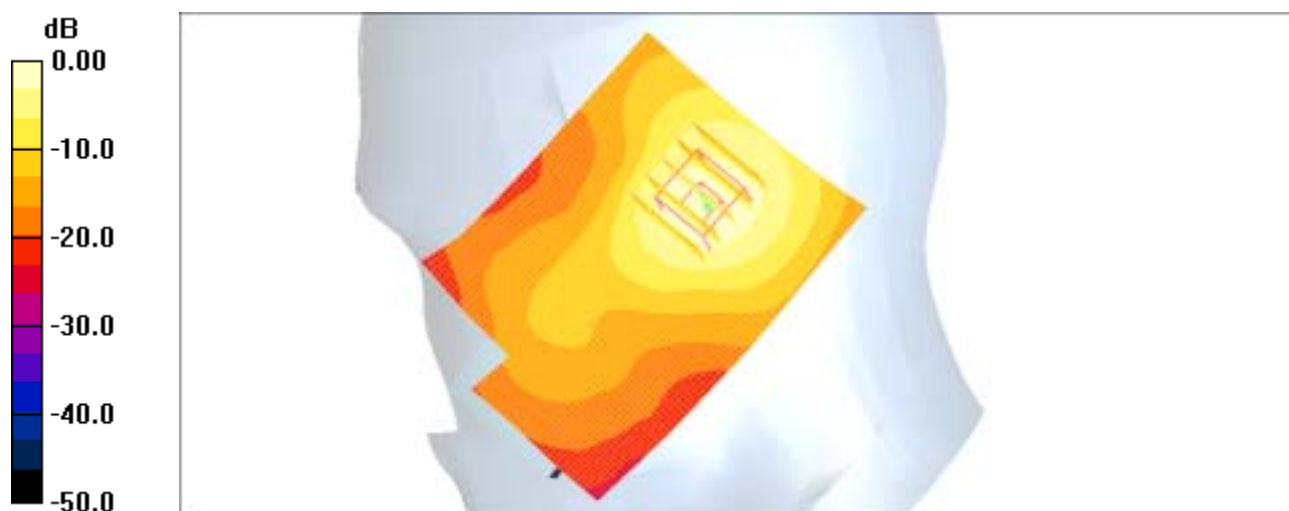
SAR(1 g) = 0.321 mW/g

Maximum value of SAR (measured) = 0.356 mW/g

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

$dx=20$ mm, $dy=20$ mm

Maximum value of SAR (interpolated) = 0.351 mW/g



0 dB = 0.351mW/g

SAMSUNG FCC ID : A3LSGHI300 -- 1900MHz GSM1900 Head SAR

DUT: SGH-i300; Serial: FC-098-B

Program Name: SGH-i300 GSM1900 Left (Job No. : FC-098)

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

Procedure Notes: Meas.Tissue Temp(celsius)-21.6; Test Date-08/Jul/2005 [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; $\sigma = 1.4$ mho/m; $\epsilon_r = 39.4$; $\rho = 1000$ kg/m³

Phantom section: Left Section

DASY4 Configuration:

- Probe: EX3DV4 - SN3537; ConvF(8.29, 8.29, 8.29); Calibrated: 2004-12-15
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn468; Calibrated: 2004-12-07
- Phantom: SAM 835/900 MHz; Type: SAM; Serial: TP-1247
- Measurement SW: DASY4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 146

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

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

Reference Value = 15.6 V/m; Power Drift = -0.083 dB

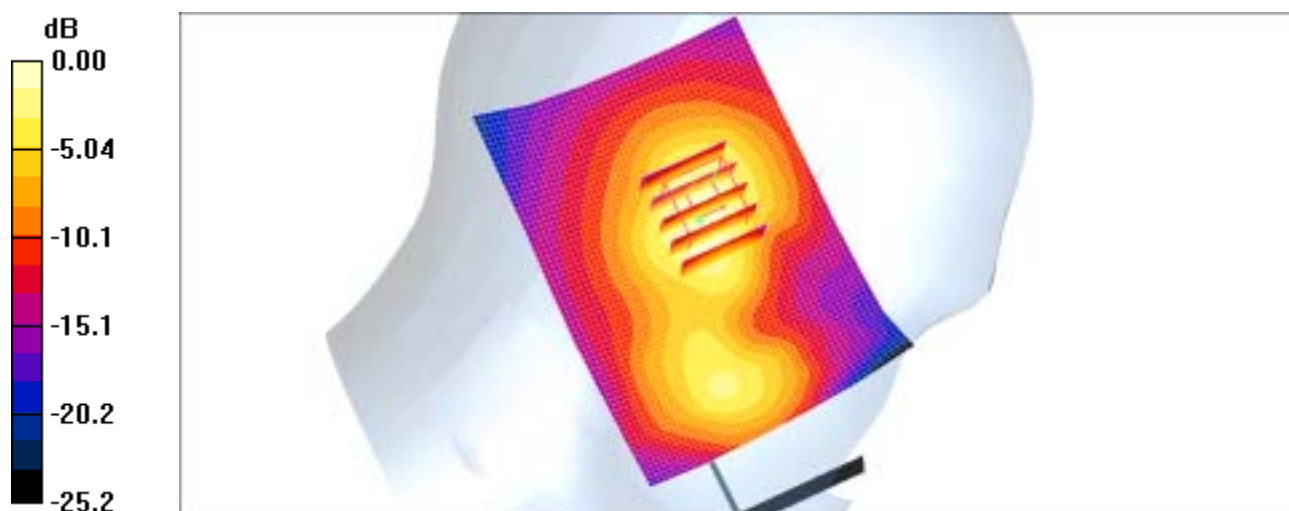
Peak SAR (extrapolated) = 0.834 W/kg

SAR(1 g) = 0.475 mW/g

Maximum value of SAR (measured) = 0.497 mW/g

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

Maximum value of SAR (interpolated) = 0.479 mW/g



0 dB = 0.479mW/g

SAMSUNG FCC ID : A3LSGHI300 -- 1900MHz GSM1900 Head SAR

DUT: SGH-i300; Serial: FC-098-B

Program Name: SGH-i300 GSM1900 Left (Job No. : FC-098)

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

Procedure Notes: Meas.Tissue Temp(celsius)-21.6; Test Date-08/Jul/2005 [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; $\sigma = 1.4$ mho/m; $\epsilon_r = 39.4$; $\rho = 1000$ kg/m³

Phantom section: Left Section

DASY4 Configuration:

- Probe: EX3DV4 - SN3537; ConvF(8.29, 8.29, 8.29); Calibrated: 2004-12-15
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn468; Calibrated: 2004-12-07
- Phantom: SAM 835/900 MHz; Type: SAM; Serial: TP-1247
- Measurement SW: DASY4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 146

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

$dx=20$ mm, $dy=20$ mm

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

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

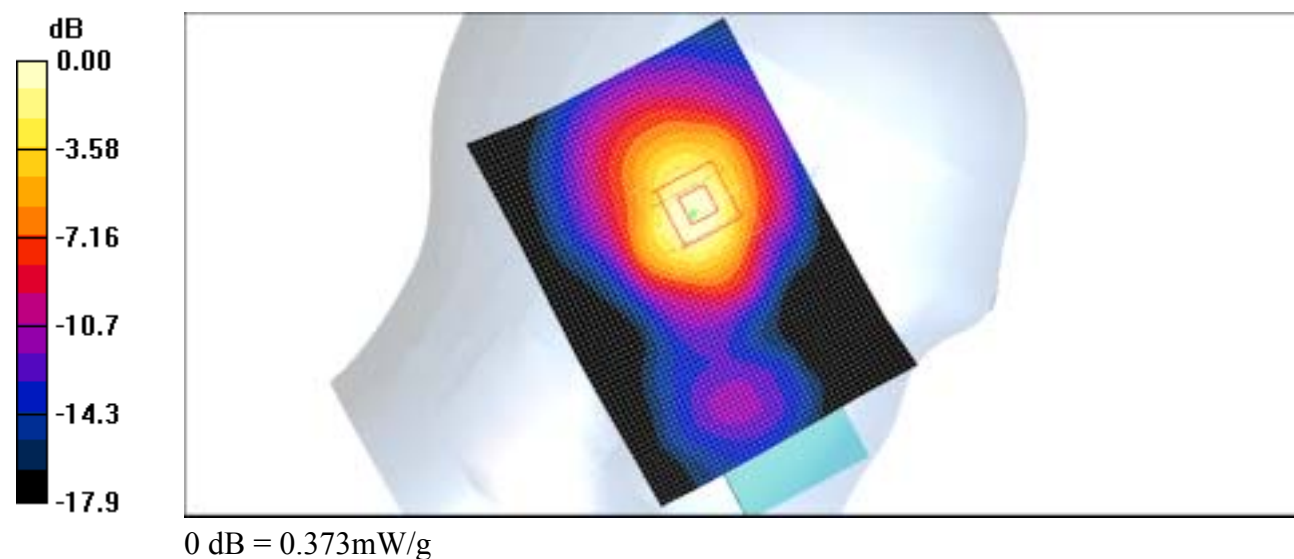
Measurement grid: $dx=8$ mm, $dy=8$ mm, $dz=5$ mm

Reference Value = 14.0 V/m; Power Drift = 0.055 dB

Peak SAR (extrapolated) = 0.618 W/kg

SAR(1 g) = 0.342 mW/g

Maximum value of SAR (measured) = 0.373 mW/g



SAMSUNG FCC ID : A3LSGHI300 -- 1900MHz GSM1900 Head SAR

DUT: SGH-i300; Serial: FC-098-B

Program Name: SGH-i300 GSM1900 Left (Job No. : FC-098)

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

Procedure Notes: Meas.Tissue Temp(celsius)-21.6; Test Date-08/Jul/2005 [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; $\sigma = 1.4$ mho/m; $\epsilon_r = 39.4$; $\rho = 1000$ kg/m³

Phantom section: Left Section

DASY4 Configuration:

- Probe: EX3DV4 - SN3537; ConvF(8.29, 8.29, 8.29); Calibrated: 2004-12-15
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn468; Calibrated: 2004-12-07
- Phantom: SAM 835/900 MHz; Type: SAM; Serial: TP-1247
- Measurement SW: DASY4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 146

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

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

Maximum value of SAR (interpolated) = 0.458 mW/g

Cheek/Touch, Ch.512, Ant.Intenna, Bat.Extended with BT/Zoom Scan

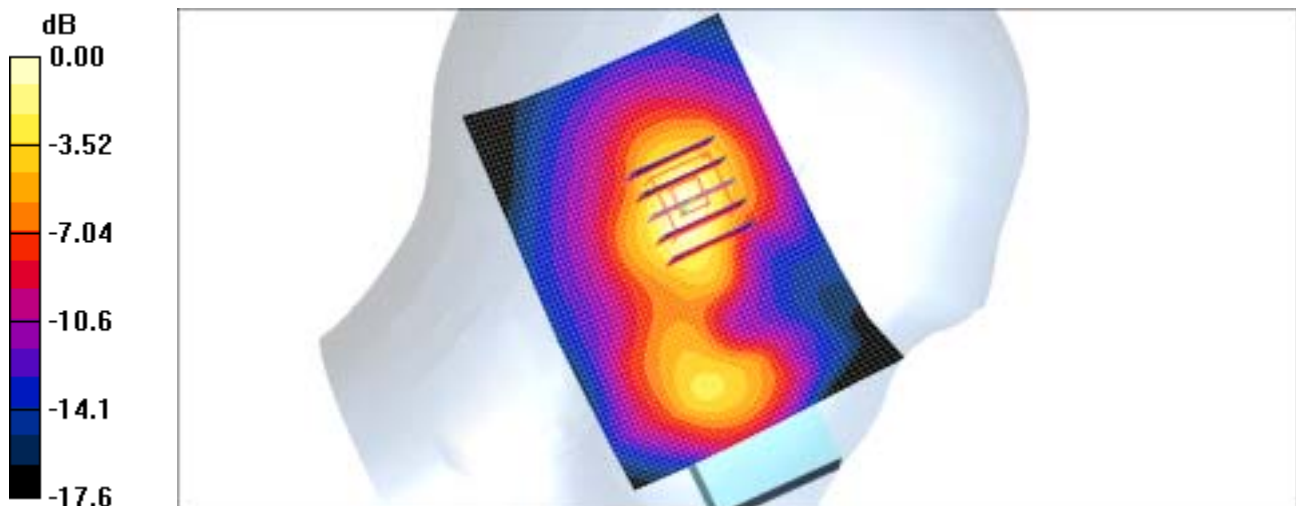
(5x5x7)/Cube 0: Measurement grid: $dx=8$ mm, $dy=8$ mm, $dz=5$ mm

Reference Value = 15.2 V/m; Power Drift = -0.010 dB

Peak SAR (extrapolated) = 0.826 W/kg

SAR(1 g) = 0.467 mW/g

Maximum value of SAR (measured) = 0.497 mW/g



0 dB = 0.497mW/g

SAMSUNG FCC ID : A3LSGHI300 -- 1900MHz GSM1900 Body SAR

DUT: SGH-i300; Serial: FC-098-B

Program Name: SGH-i300 GSM1900 Body (Job No. : FC-098)

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

Procedure Notes: Meas.Tissue Temp(celsius)-21.6;Test Date-08/Jul/2005[OET Bulletin 65-Supplement C, July 2001]

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

Medium parameters used: $f = 1850.2$ MHz; $\sigma = 1.55$ mho/m; $\epsilon_r = 52.5$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY4 Configuration:

- Probe: EX3DV4 - SN3537; ConvF(7.76, 7.76, 7.76); Calibrated: 2004-12-15
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn468; Calibrated: 2004-12-07
- Phantom: SAM 1800/1900 MHz; Type: SAM; Serial: TP-1248
- Measurement SW: DASY4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 146

Body, Ch.512, Ant.Intenna, Bat.Standard/Zoom Scan (5x5x7)/Cube 0: Measurement
grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 20.4 V/m; Power Drift = -0.125 dB

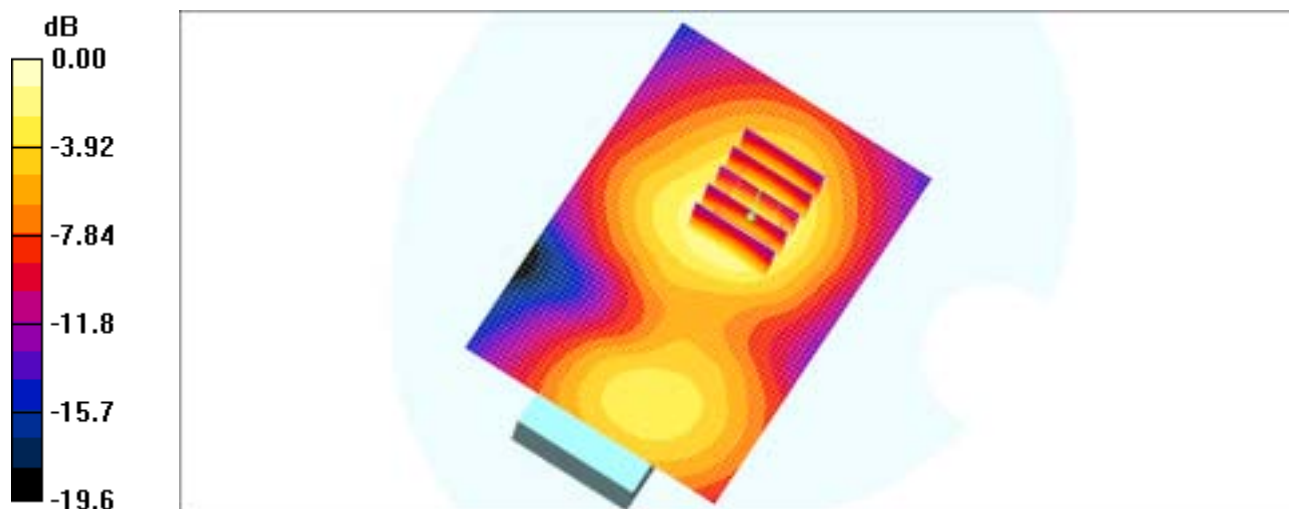
Peak SAR (extrapolated) = 0.988 W/kg

SAR(1 g) = 0.661 mW/g

Maximum value of SAR (measured) = 0.705 mW/g

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

Maximum value of SAR (interpolated) = 0.770 mW/g



0 dB = 0.770mW/g

SAMSUNG FCC ID : A3LSGHI300 -- 1900MHz GSM1900 Body SAR

DUT: SGH-i300; Serial: FC-098-B

Program Name: SGH-i300 GSM1900 Body (Job No. : FC-098)

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

Procedure Notes: Meas.Tissue Temp(celsius)-21.6;Test Date-08/Jul/2005[OET Bulletin 65-Supplement C, July 2001]

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

Medium parameters used: $f = 1850.2$ MHz; $\sigma = 1.55$ mho/m; $\epsilon_r = 52.5$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY4 Configuration:

- Probe: EX3DV4 - SN3537; ConvF(7.76, 7.76, 7.76); Calibrated: 2004-12-15
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn468; Calibrated: 2004-12-07
- Phantom: SAM 1800/1900 MHz; Type: SAM; Serial: TP-1248
- Measurement SW: DASY4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 146

Body, Ch.512, Ant.Intenna, Bat.Standard With BT ON/Zoom Scan (5x5x7)/Cube 0:

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

Reference Value = 19.8 V/m; Power Drift = 0.017 dB

Peak SAR (extrapolated) = 0.977 W/kg

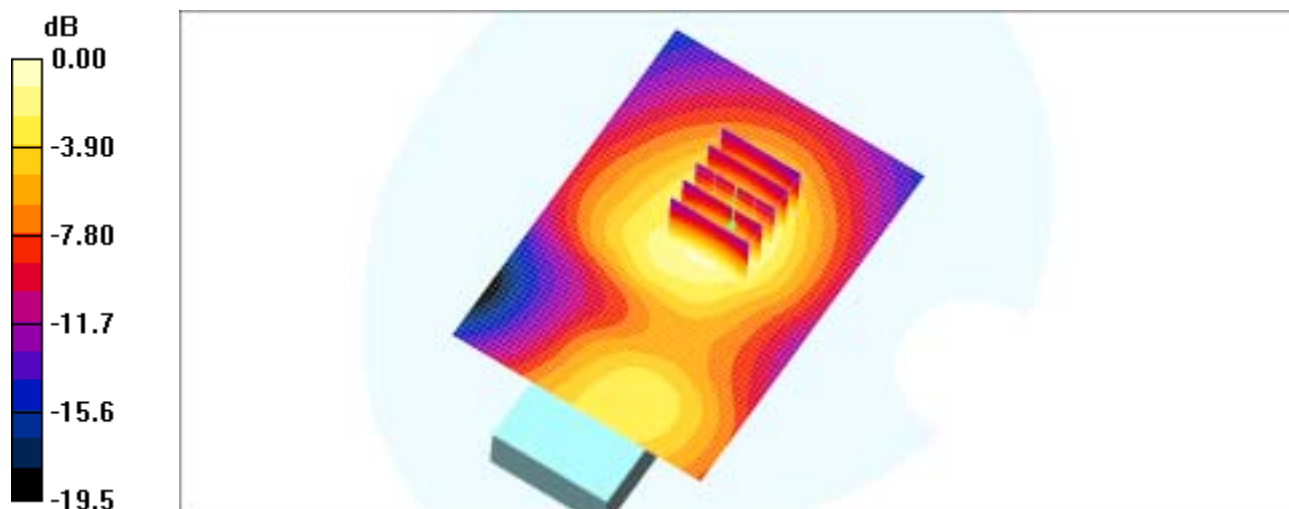
SAR(1 g) = 0.656 mW/g

Maximum value of SAR (measured) = 0.707 mW/g

Body, Ch.512, Ant.Intenna, Bat.Standard With BT ON/Area Scan (51x71x1):

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

Maximum value of SAR (interpolated) = 0.741 mW/g



0 dB = 0.741mW/g

SAMSUNG FCC ID : A3LSGHI300 -- 1900MHz GSM1900 Head SAR

DUT: SGH-i300; Serial: FC-098-B

Program Name: SGH-i300 GSM1900 Left (Job No. : FC-098)

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

Procedure Notes: Meas.Tissue Temp(celsius)-21.6; Test Date-08/Jul/2005 [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; $\sigma = 1.4$ mho/m; $\epsilon_r = 39.4$; $\rho = 1000$ kg/m³

Phantom section: Left Section

DASY4 Configuration:

- Probe: EX3DV4 - SN3537; ConvF(8.29, 8.29, 8.29); Calibrated: 2004-12-15

- Sensor-Surface: 4mm (Mechanical Surface Detection)

- Electronics: DAE3 Sn468; Calibrated: 2004-12-07

- Phantom: SAM 835/900 MHz; Type: SAM; Serial: TP-1247

- Measurement SW: DASY4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 146

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

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

Reference Value = 15.6 V/m; Power Drift = -0.083 dB

Peak SAR (extrapolated) = 0.834 W/kg

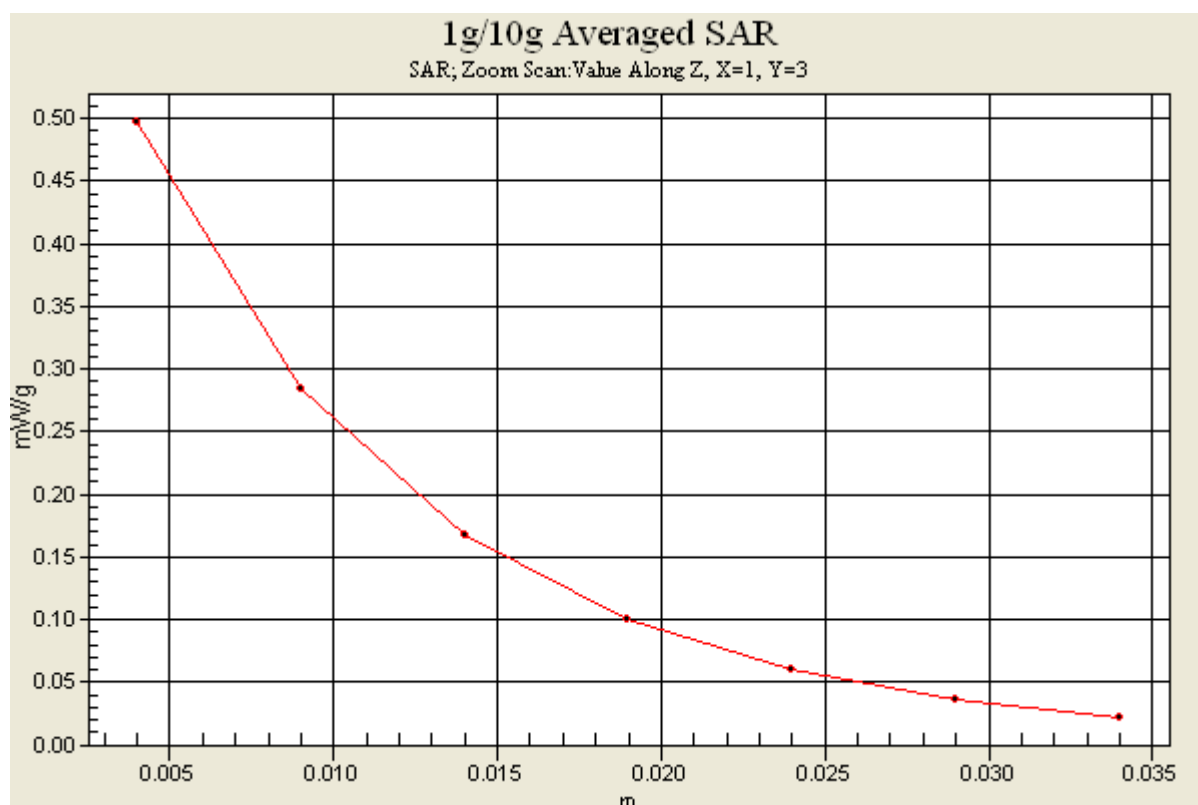
SAR(1 g) = 0.475 mW/g

Maximum value of SAR (measured) = 0.497 mW/g

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

grid: dx=20mm, dy=20mm

Maximum value of SAR (interpolated) = 0.479 mW/g



SAMSUNG FCC ID : A3LSGHI300 -- 1900MHz GSM1900 Head SAR

DUT: SGH-i300; Serial: FC-098-B

Program Name: SGH-i300 GSM1900 Left (Job No. : FC-098)

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

Procedure Notes: Meas.Tissue Temp(celsius)-21.6; Test Date-08/Jul/2005 [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; $\sigma = 1.4$ mho/m; $\epsilon_r = 39.4$; $\rho = 1000$ kg/m³

Phantom section: Left Section

DASY4 Configuration:

- Probe: EX3DV4 - SN3537; ConvF(8.29, 8.29, 8.29); Calibrated: 2004-12-15

- Sensor-Surface: 4mm (Mechanical Surface Detection)

- Electronics: DAE3 Sn468; Calibrated: 2004-12-07

- Phantom: SAM 835/900 MHz; Type: SAM; Serial: TP-1247

- Measurement SW: DASY4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 146

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

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

Maximum value of SAR (interpolated) = 0.458 mW/g

Cheek/Touch, Ch.512, Ant.Intenna, Bat.Extended with BT/Zoom Scan

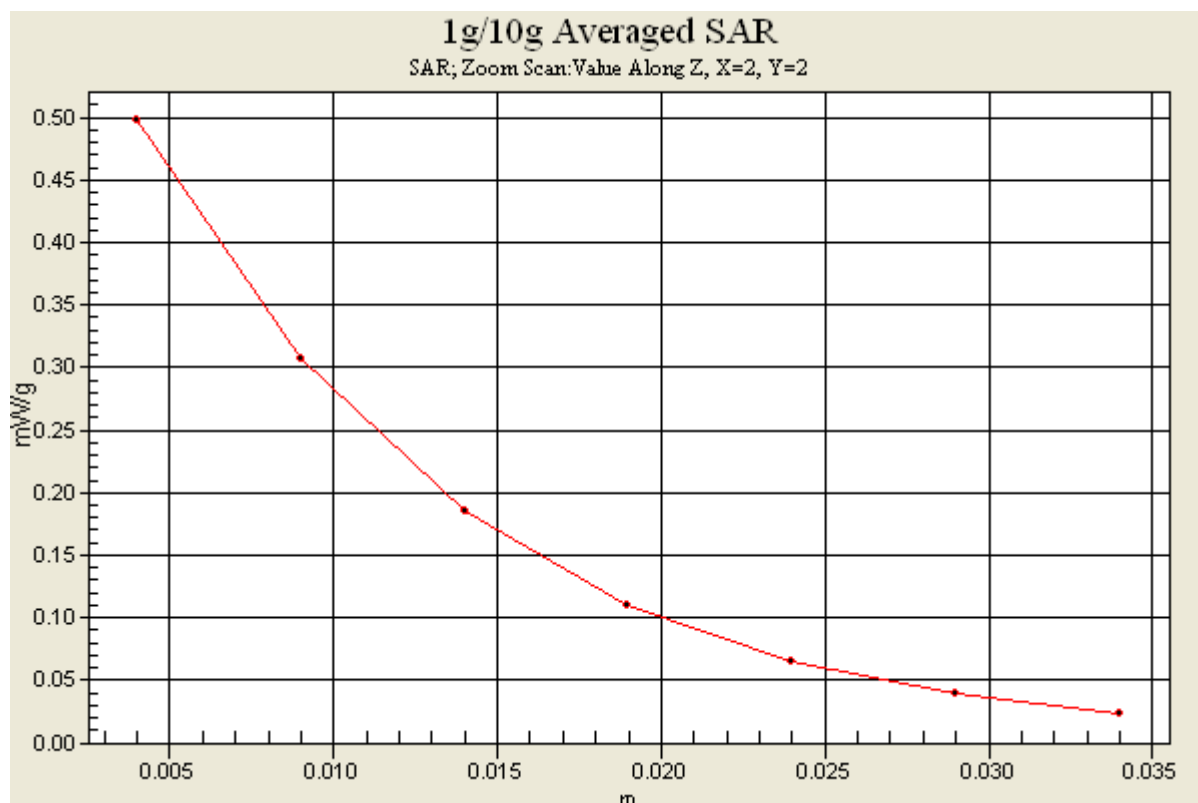
(5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 15.2 V/m; Power Drift = -0.010 dB

Peak SAR (extrapolated) = 0.826 W/kg

SAR(1 g) = 0.467 mW/g

Maximum value of SAR (measured) = 0.497 mW/g



SAMSUNG FCC ID : A3LSGHI300 -- 1900MHz GSM1900 Body SAR

DUT: SGH-i300; Serial: FC-098-B

Program Name: SGH-i300 GSM1900 Body (Job No. : FC-098)

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

Procedure Notes: Meas.Tissue Temp(celsius)-21.6; Test Date-08/Jul/2005[OET Bulletin 65-Supplement C, July 2001]

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

Medium parameters used: $f = 1850.2$ MHz; $\sigma = 1.55$ mho/m; $\epsilon_r = 52.5$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY4 Configuration:

- Probe: EX3DV4 - SN3537; ConvF(7.76, 7.76, 7.76); Calibrated: 2004-12-15

- Sensor-Surface: 4mm (Mechanical Surface Detection)

- Electronics: DAE3 Sn468; Calibrated: 2004-12-07

- Phantom: SAM 1800/1900 MHz; Type: SAM; Serial: TP-1248

- Measurement SW: DASY4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 146

Body, Ch.512, Ant.Intenna, Bat.Standard/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 20.4 V/m; Power Drift = -0.125 dB

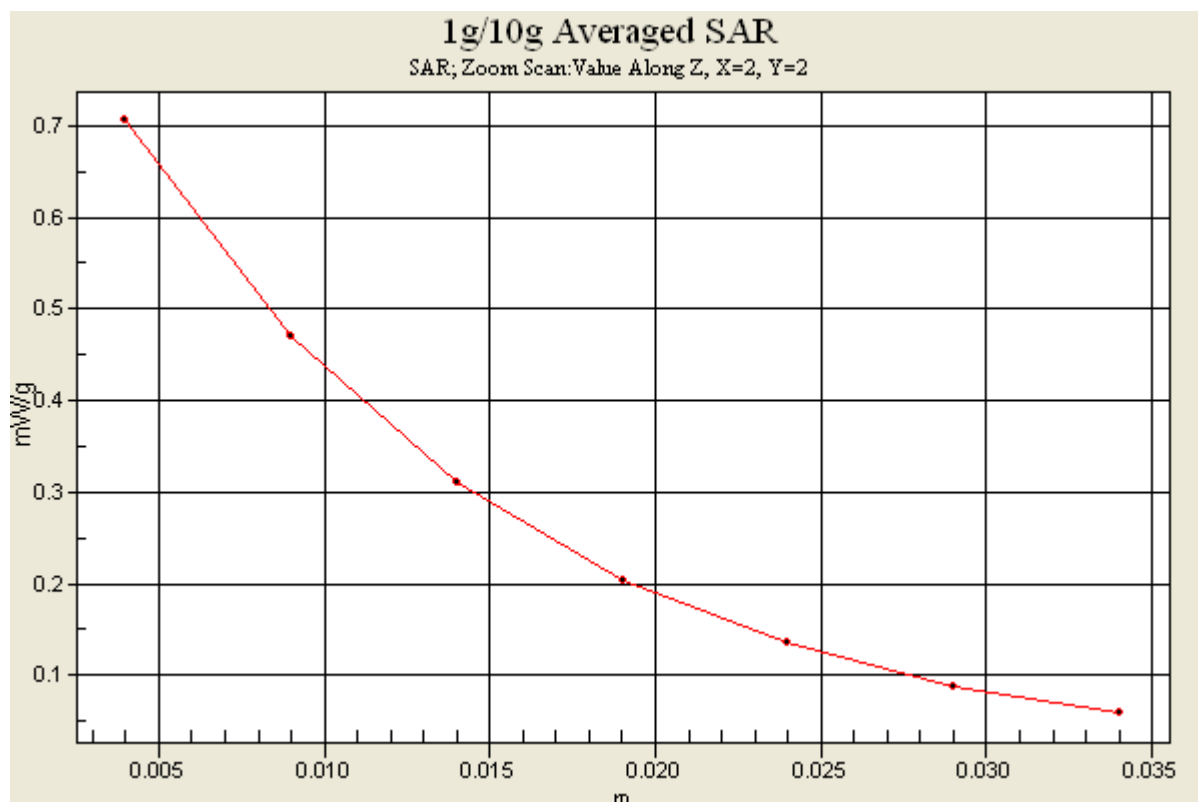
Peak SAR (extrapolated) = 0.988 W/kg

SAR(1 g) = 0.661 mW/g

Maximum value of SAR (measured) = 0.705 mW/g

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

Maximum value of SAR (interpolated) = 0.770 mW/g



SAMSUNG FCC ID : A3LSGHI300 -- 1900MHz GSM1900 Body SAR

DUT: SGH-i300; Serial: FC-098-B

Program Name: SGH-i300 GSM1900 Body (Job No. : FC-098)

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

Procedure Notes: Meas.Tissue Temp(celsius)-21.6;Test Date-08/Jul/2005[OET Bulletin 65-Supplement C, July 2001]

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

Medium parameters used: $f = 1850.2$ MHz; $\sigma = 1.55$ mho/m; $\epsilon_r = 52.5$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY4 Configuration:

- Probe: EX3DV4 - SN3537; ConvF(7.76, 7.76, 7.76); Calibrated: 2004-12-15

- Sensor-Surface: 4mm (Mechanical Surface Detection)

- Electronics: DAE3 Sn468; Calibrated: 2004-12-07

- Phantom: SAM 1800/1900 MHz; Type: SAM; Serial: TP-1248

- Measurement SW: DASY4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 146

Body, Ch.512, Ant.Intenna, Bat.Standard With BT ON/Zoom Scan (5x5x7)/Cube 0:

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

Reference Value = 19.8 V/m; Power Drift = 0.017 dB

Peak SAR (extrapolated) = 0.977 W/kg

SAR(1 g) = 0.656 mW/g

Maximum value of SAR (measured) = 0.707 mW/g

Body, Ch.512, Ant.Intenna, Bat.Standard With BT ON/Area Scan (51x71x1):

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

Maximum value of SAR (interpolated) = 0.741 mW/g

