

APPENDIX F

Plots of The SAR Measurements

SAMSUNG FCC ID : A3LSGHD900 850MHz GSM850 Head SAR

DUT: SGH-D900(Down); Serial: FD-075-C

Program Name: SGH-D900 GSM850 Right Slide Down (Job No. : FD-075)

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

Procedure Notes: Meas.Tissue Temp(celsius)-21.6, Ambient Temp-22.0 Test Date-12/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; $\sigma = 0.9$ mho/m; $\epsilon_r = 40.4$; $\rho = 1000$ kg/m³

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

Maximum value of SAR (interpolated) = 0.563 mW/g

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

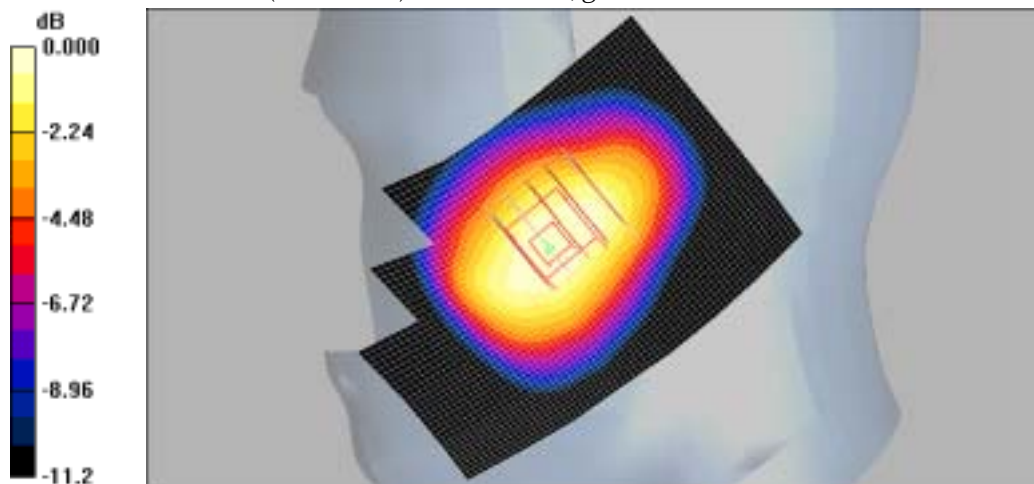
Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 8.21 V/m; Power Drift = 0.015 dB

Peak SAR (extrapolated) = 0.662 W/kg

SAR(1 g) = 0.518 mW/g

Maximum value of SAR (measured) = 0.545 mW/g



0 dB = 0.545mW/g

SAMSUNG FCC ID : A3LSGHD900 850MHz GSM850 Head SAR

DUT: SGH-D900(Down); Serial: FD-075-C

Program Name: SGH-D900 GSM850 Right Slide Down (Job No. : FD-075)

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

Procedure Notes: Meas.Tissue Temp(celsius)-21.6, Ambient Temp-22.0 Test Date-12/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; $\sigma = 0.9$ mho/m; $\epsilon_r = 40.4$; $\rho = 1000$ kg/m³

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

Reference Value = 11.7 V/m; Power Drift = -0.005 dB

Peak SAR (extrapolated) = 0.377 W/kg

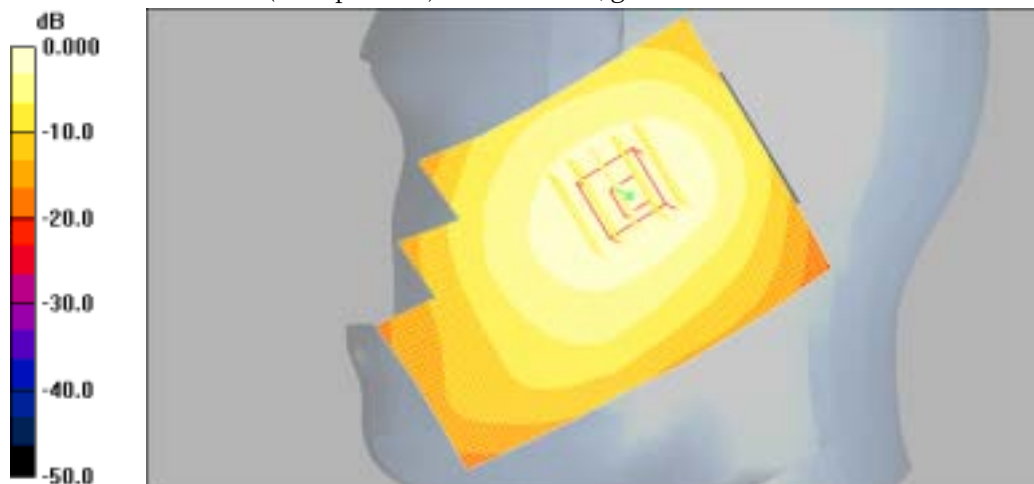
SAR(1 g) = 0.287 mW/g

Maximum value of SAR (measured) = 0.304 mW/g

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

dx=20mm, dy=20mm

Maximum value of SAR (interpolated) = 0.311 mW/g



0 dB = 0.311mW/g

SAMSUNG FCC ID : A3LSGHD900 850MHz GSM850 Head SAR

DUT: SGH-D900(Up); Serial: FD-075-C

Program Name: SGH-D900 GSM850 Right Slide Up(Job No. : FD-075)

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

Procedure Notes: Meas.Tissue Temp(celsius)-21.6, Ambient Temp-22.0 Test Date-12/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; $\sigma = 0.9$ mho/m; $\epsilon_r = 40.4$; $\rho = 1000$ kg/m³

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) = 0.568 mW/g

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

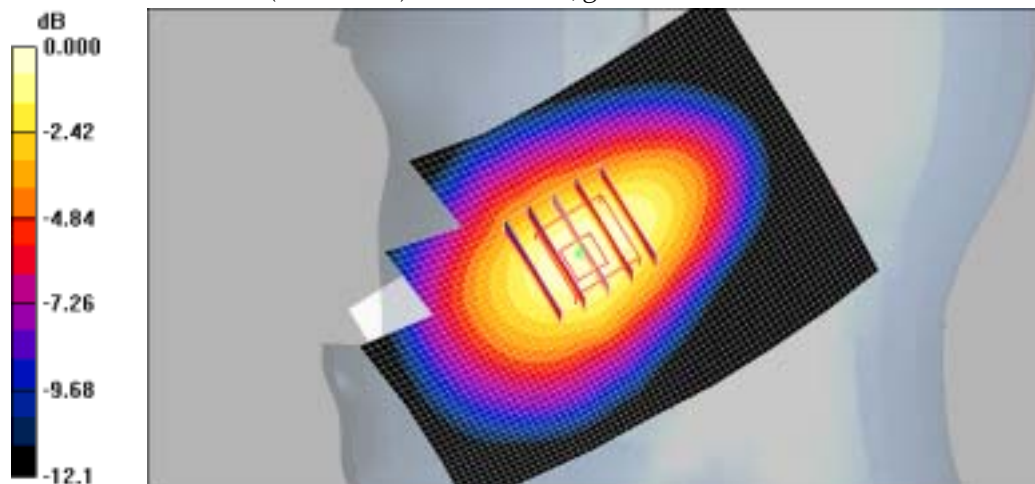
Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 7.01 V/m; Power Drift = -0.138 dB

Peak SAR (extrapolated) = 0.692 W/kg

SAR(1 g) = 0.519 mW/g

Maximum value of SAR (measured) = 0.554 mW/g



0 dB = 0.554mW/g

SAMSUNG FCC ID : A3LSGHD900 850MHz GSM850 Head SAR

DUT: SGH-D900(Up); Serial: FD-075-C

Program Name: SGH-D900 GSM850 Right Slide Up(Job No. : FD-075)

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

Procedure Notes: Meas.Tissue Temp(celsius)-21.6, Ambient Temp-22.0 Test Date-12/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; $\sigma = 0.9$ mho/m; $\epsilon_r = 40.4$; $\rho = 1000$ kg/m³

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

Reference Value = 9.37 V/m; Power Drift = -0.130 dB

Peak SAR (extrapolated) = 0.250 W/kg

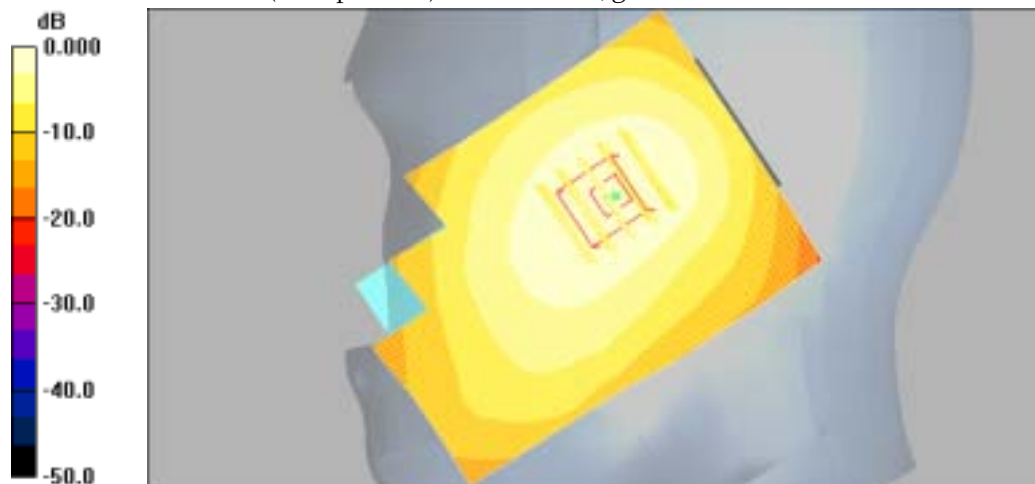
SAR(1 g) = 0.190 mW/g

Maximum value of SAR (measured) = 0.202 mW/g

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

dx=20mm, dy=20mm

Maximum value of SAR (interpolated) = 0.204 mW/g



0 dB = 0.204mW/g

SAMSUNG FCC ID : A3LSGHD900 850MHz GSM850 Head SAR

DUT: SGH-D900(Down); Serial: FD-075-C

Program Name: SGH-D900 GSM850 Left Slide Down (Job No. : FD-075)

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

Procedure Notes: Meas.Tissue Temp(celsius)-21.6, Ambient Temp-22.0 Test Date-12/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; $\sigma = 0.9$ mho/m; $\epsilon_r = 40.4$; $\rho = 1000$ kg/m³

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

Maximum value of SAR (interpolated) = 0.787 mW/g

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

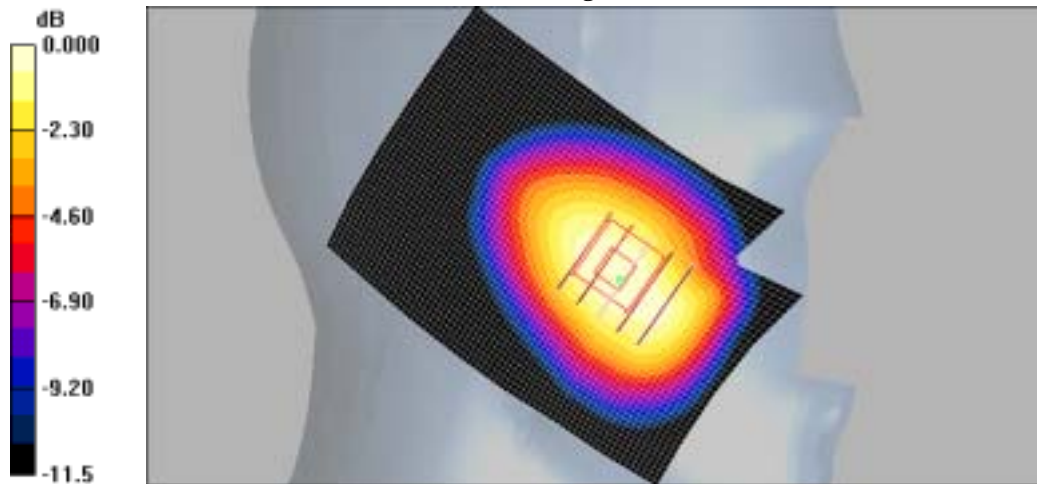
Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 8.08 V/m; Power Drift = 0.033 dB

Peak SAR (extrapolated) = 0.885 W/kg

SAR(1 g) = 0.679 mW/g

Maximum value of SAR (measured) = 0.726 mW/g



0 dB = 0.726mW/g

SAMSUNG FCC ID : A3LSGHD900 850MHz GSM850 Head SAR

DUT: SGH-D900(Down); Serial: FD-075-C

Program Name: SGH-D900 GSM850 Left Slide Down (Job No. : FD-075)

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

Procedure Notes: Meas.Tissue Temp(celsius)-21.6, Ambient Temp-22.0 Test Date-12/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; $\sigma = 0.9$ mho/m; $\epsilon_r = 40.4$; $\rho = 1000$ kg/m³

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

Reference Value = 12.6 V/m; Power Drift = -0.076 dB

Peak SAR (extrapolated) = 0.452 W/kg

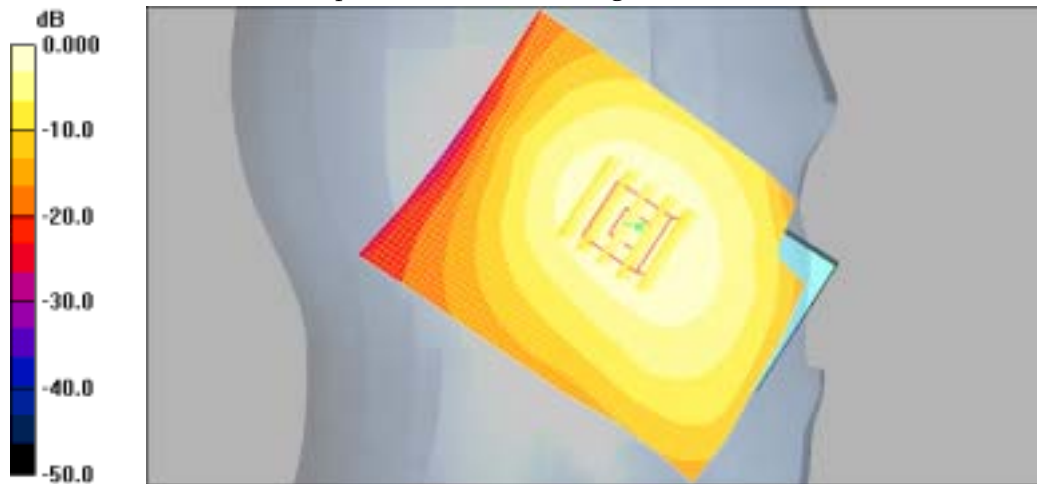
SAR(1 g) = 0.345 mW/g

Maximum value of SAR (measured) = 0.363 mW/g

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

dx=20mm, dy=20mm

Maximum value of SAR (interpolated) = 0.381 mW/g



0 dB = 0.381mW/g

SAMSUNG FCC ID : A3LSGHD900 850MHz GSM850 Head SAR

DUT: SGH-D900(Up); Serial: FD-075-C

Program Name: SGH-D900 GSM850 Left Slide Up (Job No. : FD-075)

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

Procedure Notes: Meas.Tissue Temp(celsius)-21.6, Ambient Temp-22.0 Test Date-12/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; $\sigma = 0.9$ mho/m; $\epsilon_r = 40.4$; $\rho = 1000$ kg/m³

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/Zoom Scan (5x5x7)/Cube 0:

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

Reference Value = 6.72 V/m; Power Drift = -0.097 dB

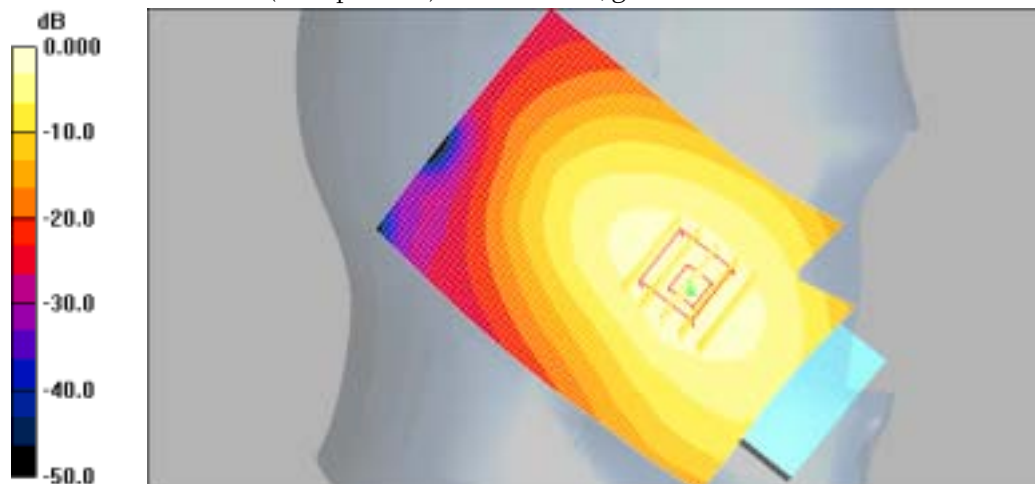
Peak SAR (extrapolated) = 0.774 W/kg

SAR(1 g) = 0.563 mW/g

Maximum value of SAR (measured) = 0.613 mW/g

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

Maximum value of SAR (interpolated) = 0.630 mW/g



0 dB = 0.630mW/g

SAMSUNG FCC ID : A3LSGHD900 850MHz GSM850 Head SAR

DUT: SGH-D900(Up); Serial: FD-075-C

Program Name: SGH-D900 GSM850 Left Slide Up (Job No. : FD-075)

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

Procedure Notes: Meas.Tissue Temp(celsius)-21.6, Ambient Temp-22.0 Test Date-12/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; $\sigma = 0.9$ mho/m; $\epsilon_r = 40.4$; $\rho = 1000$ kg/m³

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

Reference Value = 9.69 V/m; Power Drift = -0.006 dB

Peak SAR (extrapolated) = 0.284 W/kg

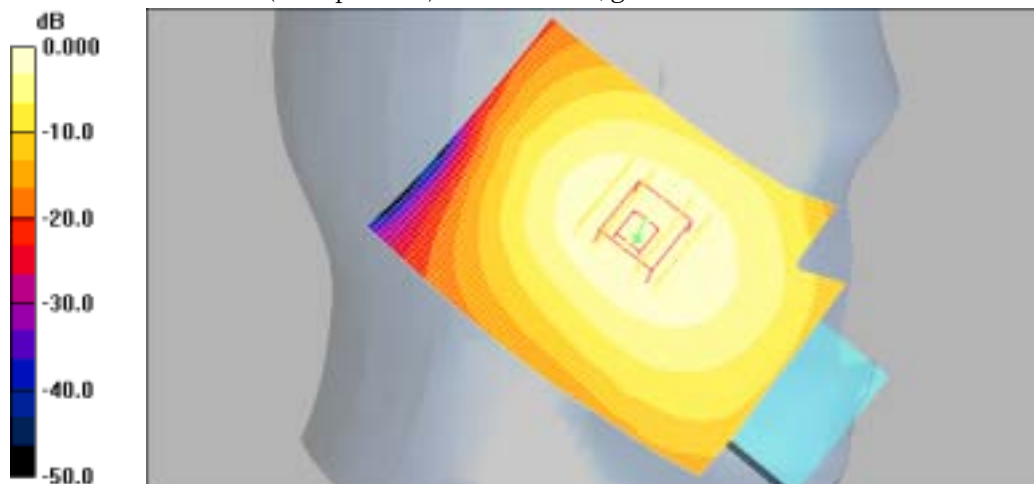
SAR(1 g) = 0.219 mW/g

Maximum value of SAR (measured) = 0.231 mW/g

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

dx=20mm, dy=20mm

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



0 dB = 0.236mW/g

SAMSUNG FCC ID : A3LSGHD900 850MHz GPRS850 Body SAR

DUT: SGH-D900(Down); Serial: FD-075-C

Program Name: SGH-D900 GSM850 Body (Job No. : FD-075)

Procedure Name: Body, Ch.190, Ant.Intenna, Bat.Standard

Procedure Notes: Meas.Tissue Temp(celsius)-21.7, Ambient Temp-21.8Test Date-12/May/2006[OET Bulletin 65-Supplement C, July 2001]

Communication System: GSM 850 (GPRS); Frequency: 836.6 MHz;Duty Cycle: 1:4.15

Medium parameters used: $f = 836.6$ MHz; $\sigma = 0.99$ mho/m; $\epsilon_r = 54.3$; $\rho = 1000$ kg/m³

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

dx=20mm, dy=20mm

Maximum value of SAR (interpolated) = 0.689 mW/g

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

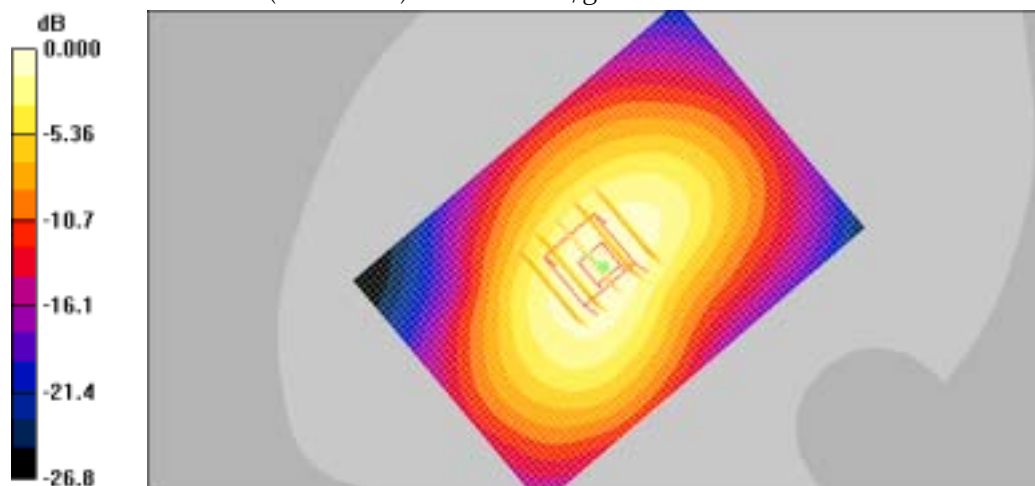
dx=8mm, dy=8mm, dz=5mm

Reference Value = 18.0 V/m; Power Drift = 0.022 dB

Peak SAR (extrapolated) = 0.832 W/kg

SAR(1 g) = 0.620 mW/g

Maximum value of SAR (measured) = 0.662 mW/g



SAMSUNG FCC ID : A3LSGHD900 850MHz GPRS850 Body SAR

DUT: SGH-D900(Down); Serial: FD-075-C

Program Name: SGH-D900 GSM850 Body (Job No. : FD-075)

Procedure Name: Body, Ch.190, Ant.Intenna, Bat.Standard with BT ON

Procedure Notes: Meas.Tissue Temp(celsius)-21.7, Ambient Temp-21.8Test Date-12/May/2006[OET Bulletin 65-Supplement C, July 2001]

Communication System: GSM 850 (GPRS); Frequency: 836.6 MHz;Duty Cycle: 1:4.15

Medium parameters used: $f = 836.6$ MHz; $\sigma = 0.99$ mho/m; $\epsilon_r = 54.3$; $\rho = 1000$ kg/m³

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.190, Ant.Intenna, Bat.Standard with BT ON/Zoom Scan (5x5x7)/Cube 0:

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

Reference Value = 19.2 V/m; Power Drift = -0.153 dB

Peak SAR (extrapolated) = 0.890 W/kg

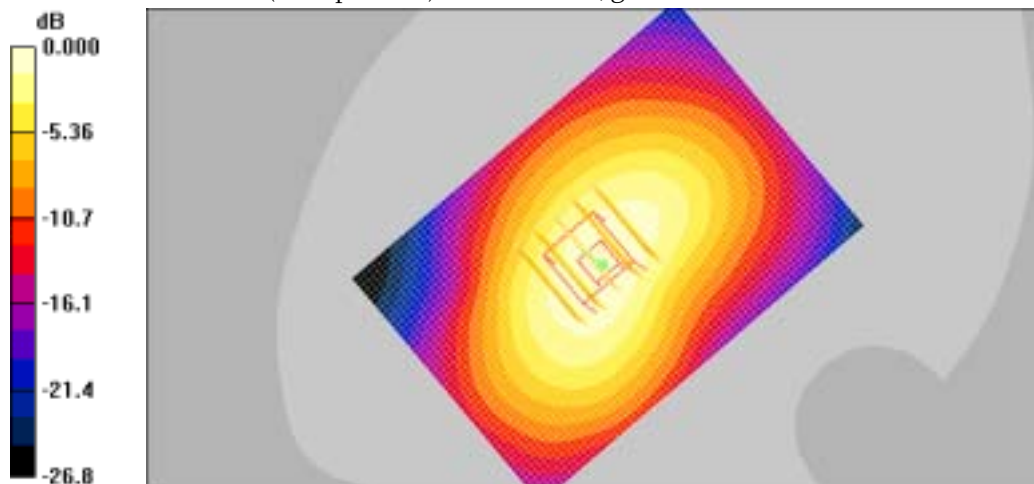
SAR(1 g) = 0.663 mW/g

Maximum value of SAR (measured) = 0.712 mW/g

Body, Ch.190, Ant.Intenna, Bat.Standard with BT ON/Area Scan (51x71x1):

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

Maximum value of SAR (interpolated) = 0.763 mW/g



0 dB = 0.763mW/g

SAMSUNG FCC ID : A3LSGHD900 1900MHz GSM1900 Head SAR

DUT: SGH-D900(Down); Serial: FD-075-C

Program Name: SGH-D900 GSM1900 Right Down (Job No. : FD-075)

Procedure Name: Cheek/Touch, Ch.810, Ant.Intenna, Bat.Standard

Procedure Notes: Meas.Tissue Temp(celsius)-21.9, Ambient Temp-22.3;Test Date-11/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; $\sigma = 1.43$ mho/m; $\epsilon_r = 39.4$; $\rho = 1000$ kg/m³

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) = 1.12 mW/g

Cheek/Touch, Ch.810, Ant.Intenna, Bat.Standard/Zoom Scan (5x5x7)/Cube 0:

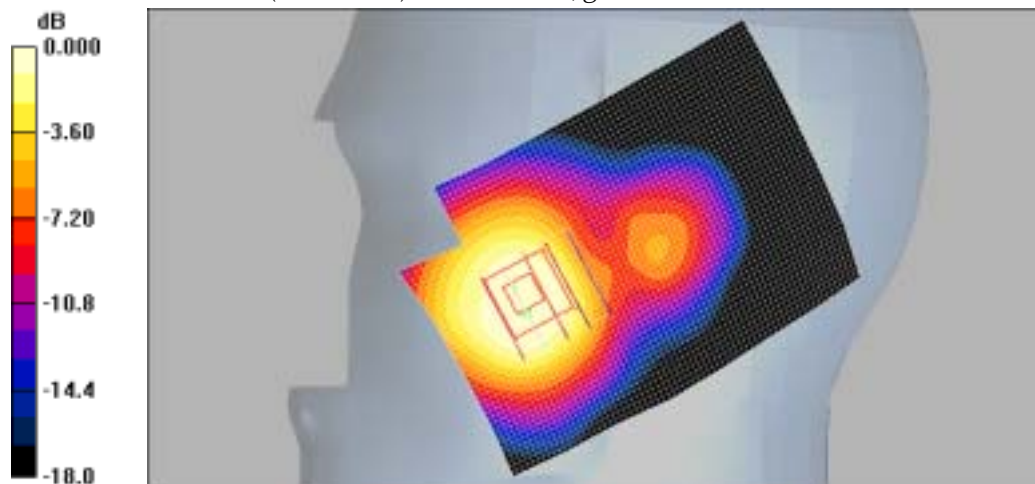
Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 9.74 V/m; Power Drift = -0.045 dB

Peak SAR (extrapolated) = 1.29 W/kg

SAR(1 g) = 0.893 mW/g

Maximum value of SAR (measured) = 0.942 mW/g



0 dB = 0.942mW/g

SAMSUNG FCC ID : A3LSGHD900 1900MHz GSM1900 Head SAR

DUT: SGH-D900(Down); Serial: FD-075-C

Program Name: SGH-D900 GSM1900 Right Down (Job No. : FD-075)

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

Procedure Notes: Meas.Tissue Temp(celsius)-21.9, Ambient Temp-22.3;Test Date-11/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; $\sigma = 1.43$ mho/m; $\epsilon_r = 39.4$; $\rho = 1000$ kg/m³

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) = 0.308 mW/g

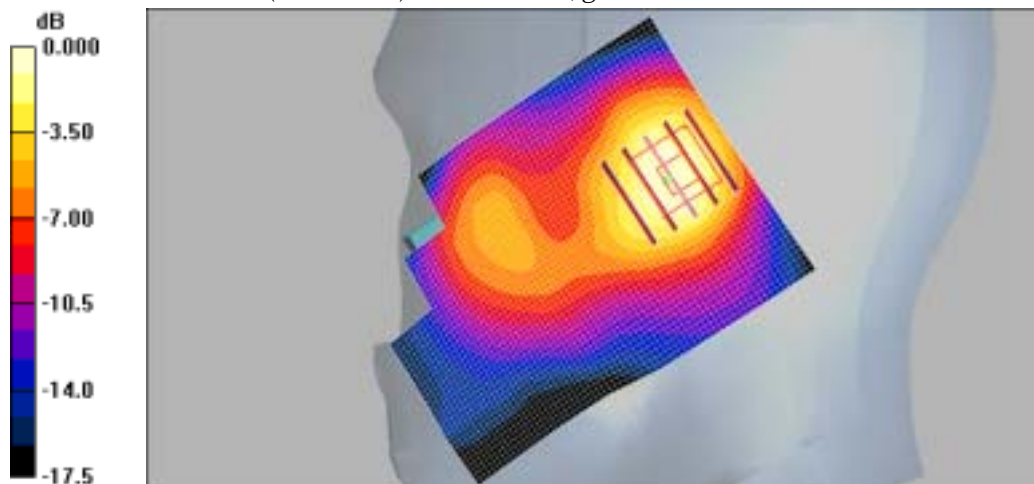
Ear/Tilt, Ch.661, Ant.Intenna, Bat.Standard/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 12.1 V/m; Power Drift = -0.068 dB

Peak SAR (extrapolated) = 0.386 W/kg

SAR(1 g) = 0.256 mW/g

Maximum value of SAR (measured) = 0.271 mW/g



0 dB = 0.271mW/g

SAMSUNG FCC ID : A3LSGHD900 1900MHz GSM1900 Head SAR

DUT: SGH-D900(Up); Serial: FD-075-C

Program Name: SGH-D900 GSM1900 Right Slide Up (Job No. : FD-075)

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

Procedure Notes: Meas.Tissue Temp(celsius)-21.9, Ambient Temp-22.3;Test Date-11/May/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; $\epsilon_r = 39.4$; $\rho = 1000$ kg/m³

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

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

Reference Value = 4.76 V/m; Power Drift = 0.188 dB

Peak SAR (extrapolated) = 0.734 W/kg

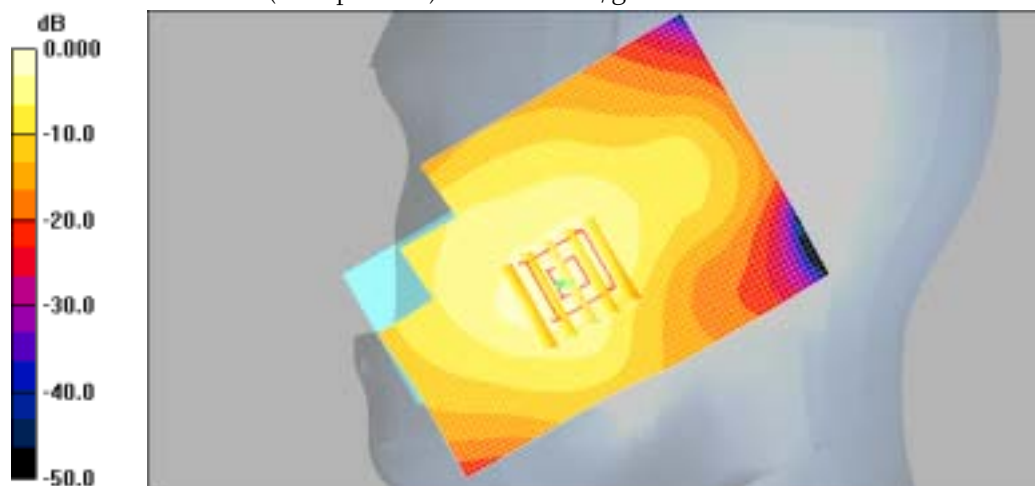
SAR(1 g) = 0.475 mW/g

Maximum value of SAR (measured) = 0.514 mW/g

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

grid: dx=20mm, dy=20mm

Maximum value of SAR (interpolated) = 0.514 mW/g



0 dB = 0.514mW/g

SAMSUNG FCC ID : A3LSGHD900 1900MHz GSM1900 Head SAR

DUT: SGH-D900(Up); Serial: FD-075-C

Program Name: SGH-D900 GSM1900 Right Slide Up (Job No. : FD-075)

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

Procedure Notes: Meas.Tissue Temp(celsius)-21.9, Ambient Temp-22.3;Test Date-11/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; $\sigma = 1.43$ mho/m; $\epsilon_r = 39.4$; $\rho = 1000$ kg/m³

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) = 0.189 mW/g

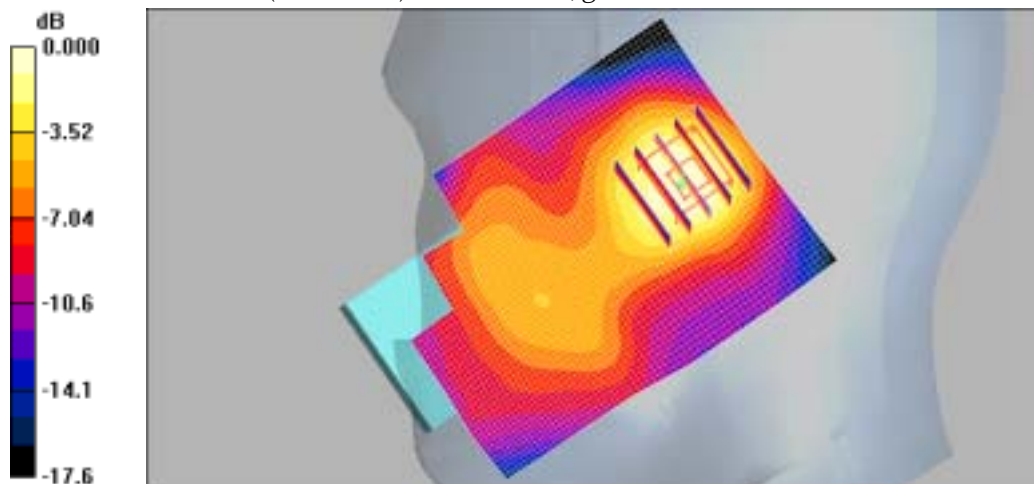
Ear/Tilt, Ch.661, Ant.Intenna, Bat.Standard/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 8.35 V/m; Power Drift = 0.093 dB

Peak SAR (extrapolated) = 0.220 W/kg

SAR(1 g) = 0.147 mW/g

Maximum value of SAR (measured) = 0.157 mW/g



0 dB = 0.157mW/g

SAMSUNG FCC ID : A3LSGHD900 1900MHz GSM1900 Head SAR

DUT: SGH-D900(Down); Serial: FD-075-C

Program Name: SGH-D900 GSM1900 Left, Slide Down (Job No. : FD-075)

Procedure Name: Cheek/Touch, Ch.810, Ant.Intenna, Bat.Standard

Procedure Notes: Meas.Tissue Temp(celsius)-21.9, Ambient Temp-22.3;Test Date-11/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; $\sigma = 1.43$ mho/m; $\epsilon_r = 39.4$; $\rho = 1000$ kg/m³

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) = 1.06 mW/g

Cheek/Touch, Ch.810, Ant.Intenna, Bat.Standard/Zoom Scan (5x5x7)/Cube 0:

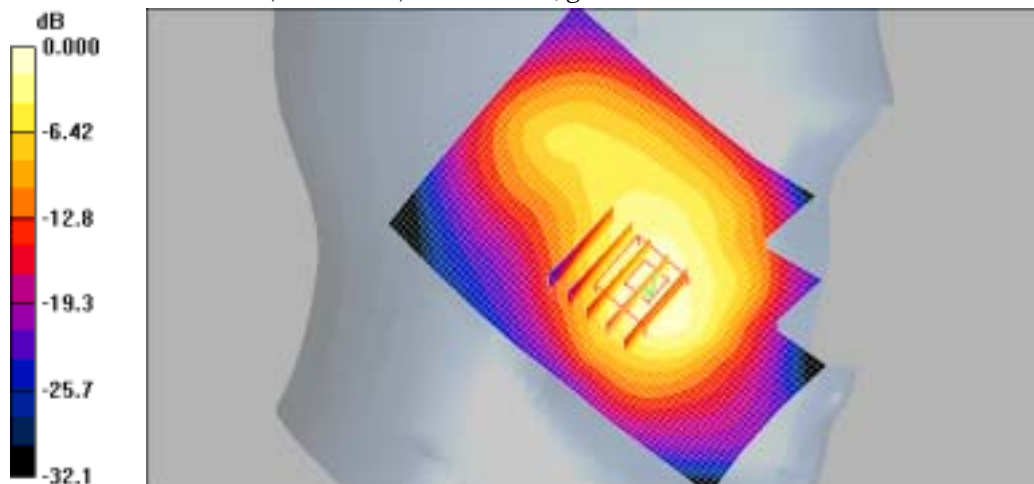
Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 8.17 V/m; Power Drift = 0.186 dB

Peak SAR (extrapolated) = 1.60 W/kg

SAR(1 g) = 0.982 mW/g

Maximum value of SAR (measured) = 1.05 mW/g



SAMSUNG FCC ID : A3LSGHD900 1900MHz GSM1900 Head SAR

DUT: SGH-D900(Down); Serial: FD-075-C

Program Name: SGH-D900 GSM1900 Left, Slide Down (Job No. : FD-075)

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

Procedure Notes: Meas.Tissue Temp(celsius)-21.9, Ambient Temp-22.3;Test Date-11/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; $\sigma = 1.43$ mho/m; $\epsilon_r = 39.4$; $\rho = 1000$ kg/m³

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) = 0.360 mW/g

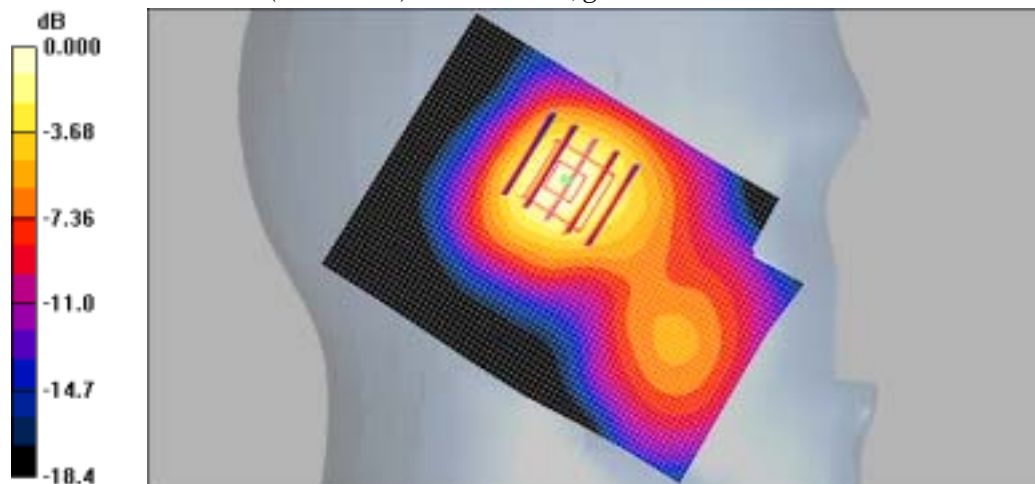
Ear/Tilt, Ch.661, Ant.Intenna, Bat.Standard/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 11.0 V/m; Power Drift = -0.024 dB

Peak SAR (extrapolated) = 0.529 W/kg

SAR(1 g) = 0.337 mW/g

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



0 dB = 0.370mW/g

SAMSUNG FCC ID : A3LSGHD900 1900MHz GSM1900 Head SAR

DUT: SGH-D900(Up); Serial: FD-075-C

Program Name: SGH-D900 GSM1900 Left, Slide Up (Job No. : FD-075)

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

Procedure Notes: Meas.Tissue Temp(celsius)-21.9, Ambient Temp-22.3;Test Date-11/May/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; $\epsilon_r = 39.4$; $\rho = 1000$ kg/m³

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

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

Reference Value = 4.99 V/m; Power Drift = -0.019 dB

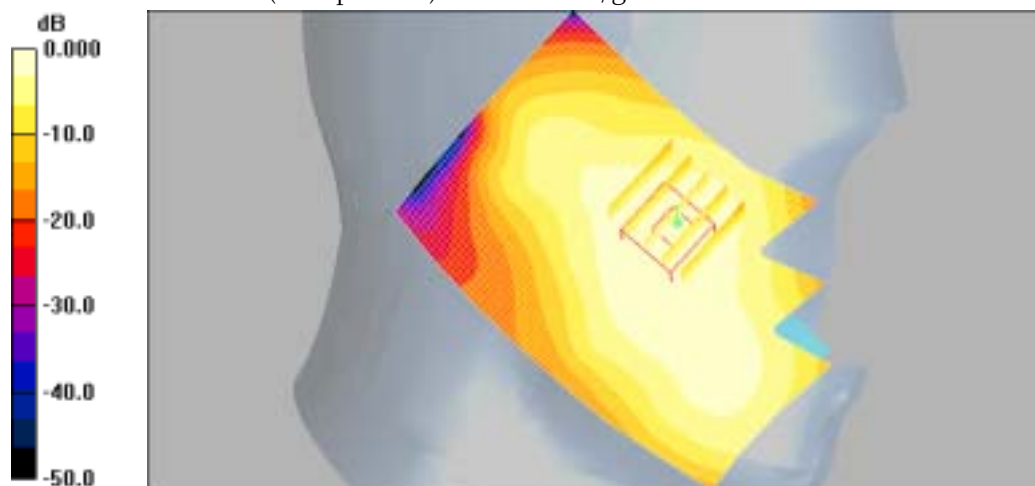
Peak SAR (extrapolated) = 0.404 W/kg

SAR(1 g) = 0.283 mW/g

Maximum value of SAR (measured) = 0.301 mW/g

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

Maximum value of SAR (interpolated) = 0.282 mW/g



0 dB = 0.282mW/g

SAMSUNG FCC ID : A3LSGHD900 1900MHz GSM1900 Head SAR

DUT: SGH-D900(Up); Serial: FD-075-C

Program Name: SGH-D900 GSM1900 Left, Slide Up (Job No. : FD-075)

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

Procedure Notes: Meas.Tissue Temp(celsius)-21.9, Ambient Temp-22.3;Test Date-11/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; $\sigma = 1.43$ mho/m; $\epsilon_r = 39.4$; $\rho = 1000$ kg/m³

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) = 0.199 mW/g

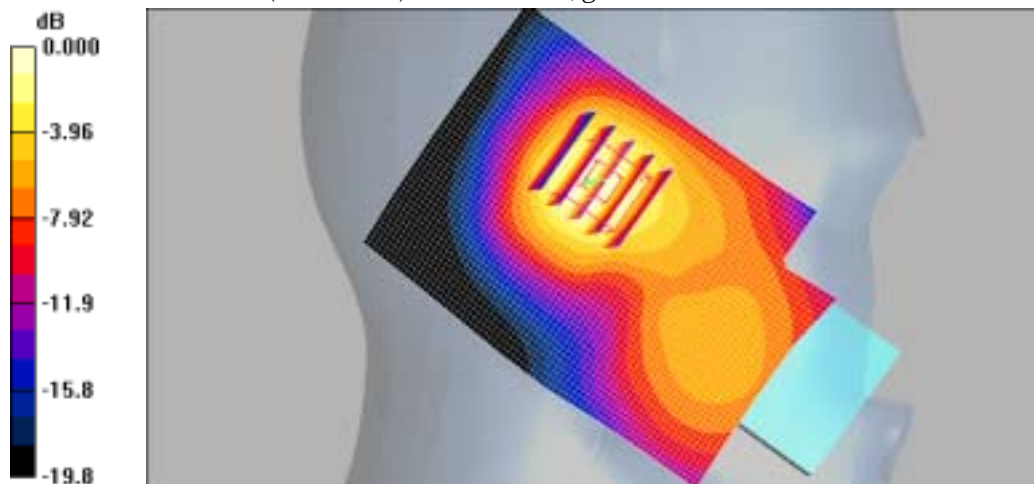
Ear/Tilt, Ch.661, Ant.Intenna, Bat.Standard/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 8.37 V/m; Power Drift = 0.180 dB

Peak SAR (extrapolated) = 0.300 W/kg

SAR(1 g) = 0.190 mW/g

Maximum value of SAR (measured) = 0.205 mW/g



0 dB = 0.205mW/g

SAMSUNG FCC ID : A3LSGHD900 1900MHz GSM1900 Head SAR

DUT: SGH-D900(Down); Serial: FD-075-C

Program Name: SGH-D900 GSM1900 Left, Slide Down (Job No. : FD-075)

Procedure Name: Cheek/Touch, Ch.810, Ant.Intenna, Bat.Standard with BT ON

Procedure Notes: Meas.Tissue Temp(celsius)-21.9, Ambient Temp-22.3;Test Date-11/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; $\sigma = 1.43$ mho/m; $\epsilon_r = 39.4$; $\rho = 1000$ kg/m³

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 with BT ON/Zoom Scan (5x5x7)/Cube

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

Reference Value = 8.38 V/m; Power Drift = -0.156 dB

Peak SAR (extrapolated) = 1.67 W/kg

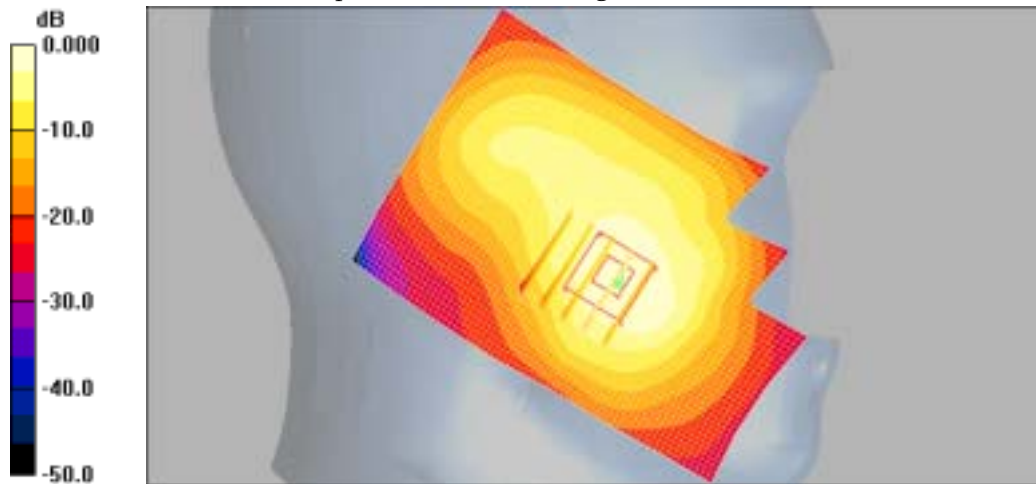
SAR(1 g) = 1.04 mW/g

Maximum value of SAR (measured) = 1.10 mW/g

Cheek/Touch, Ch.810, Ant.Intenna, Bat.Standard with BT ON/Area Scan (51x71x1):

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

Maximum value of SAR (interpolated) = 1.12 mW/g



0 dB = 1.12mW/g

SAMSUNG FCC ID : A3LSGHD900 1900MHz GPRS1900 Body SAR

DUT: SGH-D900(Down); Serial: FD-075-C

Program Name: SGH-D900 GPRS1900 Body (Job No. : FD-075)

Procedure Name: Body, Ch.810, Ant.Intenna, Bat.Standard

Procedure Notes: Meas.Tissue Temp(celsius)-21.6, Ambient Temp-22.1;Test Date-11/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; $\sigma = 1.55$ mho/m; $\epsilon_r = 52.6$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY4 Configuration:

- Probe: EX3DV4 - SN3537; ConvF(7.48, 7.48, 7.48); 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.810, Ant.Intenna, Bat.Standard/Zoom Scan (5x5x7)/Cube 0: Measurement grid:

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

Reference Value = 11.1 V/m; Power Drift = -0.007 dB

Peak SAR (extrapolated) = 0.933 W/kg

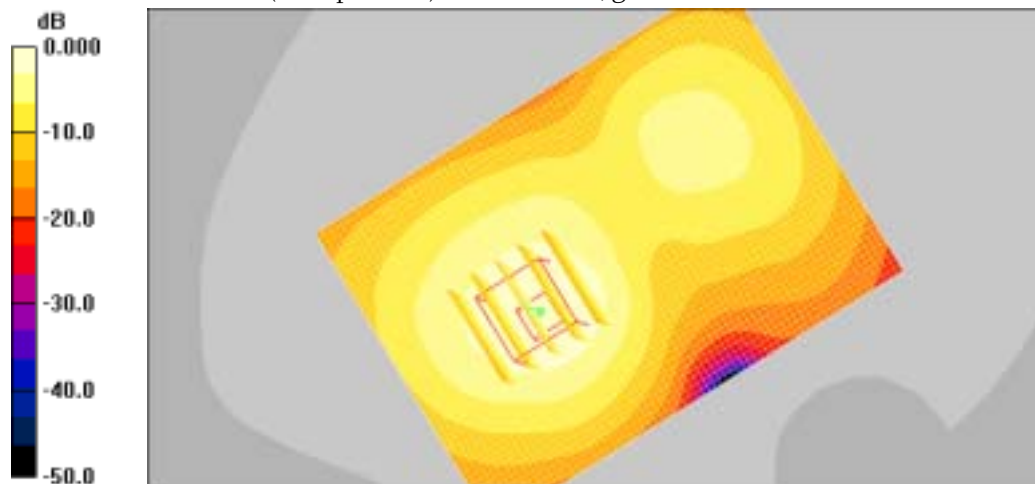
SAR(1 g) = 0.594 mW/g

Maximum value of SAR (measured) = 0.648 mW/g

Body, Ch.810, Ant.Intenna, Bat.Standard/Area Scan (51x71x1): Measurement grid:

dx=20mm, dy=20mm

Maximum value of SAR (interpolated) = 0.681 mW/g



0 dB = 0.681mW/g

SAMSUNG FCC ID : A3LSGHD900 850MHz GSM850 Head SAR

DUT: SGH-D900(Down); Serial: FD-075-C

Program Name: SGH-D900 GSM850 Left Slide Down (Job No. : FD-075)

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

Procedure Notes: Meas.Tissue Temp(celsius)-21.6, Ambient Temp-22.0 Test Date-12/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; $\sigma = 0.9$ mho/m; $\epsilon_r = 40.4$; $\rho = 1000$ kg/m³

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

Maximum value of SAR (interpolated) = 0.787 mW/g

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

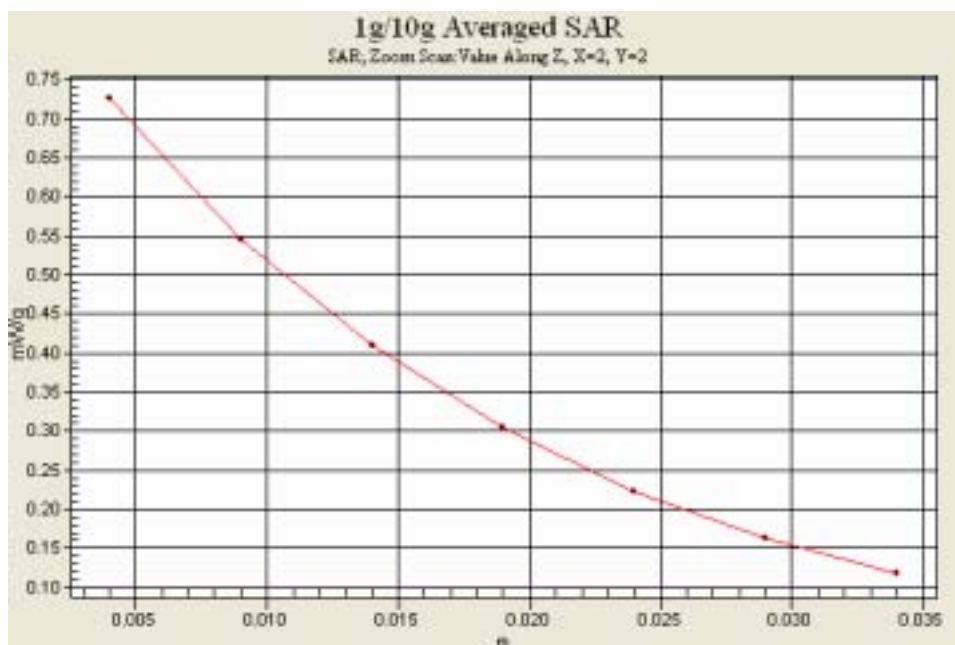
Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 8.08 V/m; Power Drift = 0.033 dB

Peak SAR (extrapolated) = 0.885 W/kg

SAR(1 g) = 0.679 mW/g

Maximum value of SAR (measured) = 0.726 mW/g



SAMSUNG FCC ID : A3LSGHD900 850MHz GPRS850 Body SAR

DUT: SGH-D900(Down); Serial: FD-075-C

Program Name: SGH-D900 GSM850 Body (Job No. : FD-075)

Procedure Name: Body, Ch.190, Ant.Intenna, Bat.Standard with BT ON

Procedure Notes: Meas.Tissue Temp(celsius)-21.7, Ambient Temp-21.8 Test Date-12/May/2006 [OET Bulletin 65-Supplement C, July 2001]

Communication System: GSM 850 (GPRS); Frequency: 836.6 MHz; Duty Cycle: 1:4.15

Medium parameters used: $f = 836.6$ MHz; $\sigma = 0.99$ mho/m; $\epsilon_r = 54.3$; $\rho = 1000$ kg/m³

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.190, Ant.Intenna, Bat.Standard with BT ON/Zoom Scan (5x5x7)/Cube 0:

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

Reference Value = 19.2 V/m; Power Drift = -0.153 dB

Peak SAR (extrapolated) = 0.890 W/kg

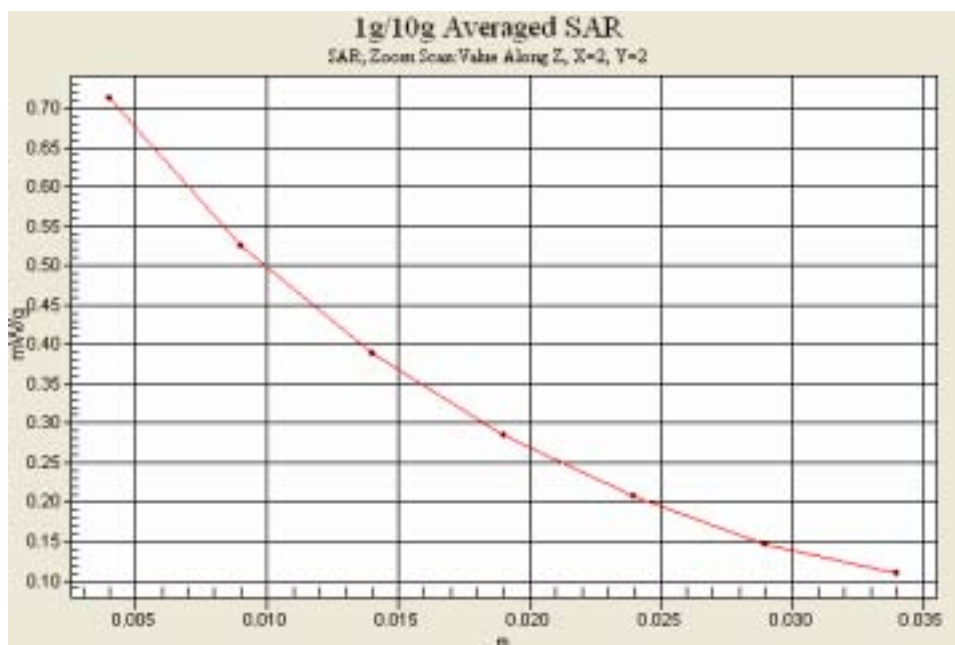
SAR(1 g) = 0.663 mW/g

Maximum value of SAR (measured) = 0.712 mW/g

Body, Ch.190, Ant.Intenna, Bat.Standard with BT ON/Area Scan (51x71x1):

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

Maximum value of SAR (interpolated) = 0.763 mW/g



SAMSUNG FCC ID : A3LSGHD900 1900MHz GSM1900 Head SAR

DUT: SGH-D900(Down); Serial: FD-075-C

Program Name: SGH-D900 GSM1900 Left, Slide Down (Job No. : FD-075)

Procedure Name: Cheek/Touch, Ch.810, Ant.Intenna, Bat.Standard with BT ON

Procedure Notes: Meas.Tissue Temp(celsius)-21.9, Ambient Temp-22.3;Test Date-11/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; $\sigma = 1.43$ mho/m; $\epsilon_r = 39.4$; $\rho = 1000$ kg/m³

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 with BT ON/Zoom Scan (5x5x7)/Cube

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

Reference Value = 8.38 V/m; Power Drift = -0.156 dB

Peak SAR (extrapolated) = 1.67 W/kg

SAR(1 g) = 1.04 mW/g

Maximum value of SAR (measured) = 1.10 mW/g

Cheek/Touch, Ch.810, Ant.Intenna, Bat.Standard with BT ON/Area Scan (51x71x1):

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

Maximum value of SAR (interpolated) = 1.12 mW/g



SAMSUNG FCC ID : A3LSGHD900 1900MHz GPRS1900 Body SAR

DUT: SGH-D900(Down); Serial: FD-075-C

Program Name: SGH-D900 GPRS1900 Body (Job No. : FD-075)

Procedure Name: Body, Ch.810, Ant.Intenna, Bat.Standard

Procedure Notes: Meas.Tissue Temp(celsius)-21.6, Ambient Temp-22.1;Test Date-11/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; $\sigma = 1.55$ mho/m; $\epsilon_r = 52.6$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY4 Configuration:

- Probe: EX3DV4 - SN3537; ConvF(7.48, 7.48, 7.48); 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.810, Ant.Intenna, Bat.Standard/Zoom Scan (5x5x7)/Cube 0: Measurement grid:

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

Reference Value = 11.1 V/m; Power Drift = -0.007 dB

Peak SAR (extrapolated) = 0.933 W/kg

SAR(1 g) = 0.594 mW/g

Maximum value of SAR (measured) = 0.648 mW/g

Body, Ch.810, Ant.Intenna, Bat.Standard/Area Scan (51x71x1): Measurement grid:

dx=20mm, dy=20mm

Maximum value of SAR (interpolated) = 0.681 mW/g

