

APPENDIX G

Plots of The SAR Measurements

SAMSUNG FCC ID : A3LSGHE635 835MHz GSM850 Head SAR

DUT: SGH-E635 (Up); Serial: FC-061-I

Program Name: SGH-E635 GSM835 Right (Slide.Up, Job No. : FC-061)

Procedure Name: Cheek/Touch, Ch.128, Ant.Intenna, Bat.Standard

Procedure Notes: Meas.Tissue Temp(celsius)-21.4; Test Date-16/May/2005 [OET Bulletin 65-Supplement C, July 2001]

Communication System: GSM850; Frequency: 824.2 MHz; Duty Cycle: 1:8.3

Medium parameters used: $f = 824.2$ MHz; $\sigma = 0.9$ mho/m; $\epsilon_r = 40.6$; $\rho = 1000$ kg/m³

Phantom section: Right Section

DASY4 Configuration:

- Probe: EX3DV4 - SN3537; ConvF(9.24, 9.24, 9.24); 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.128, Ant.Intenna, Bat.Standard/Area Scan (51x71x1): Measurement grid: dx=20mm, dy=20mm

Maximum value of SAR (interpolated) = 0.421 mW/g

Cheek/Touch, Ch.128, Ant.Intenna, Bat.Standard/Zoom Scan (5x5x7)/Cube 0:

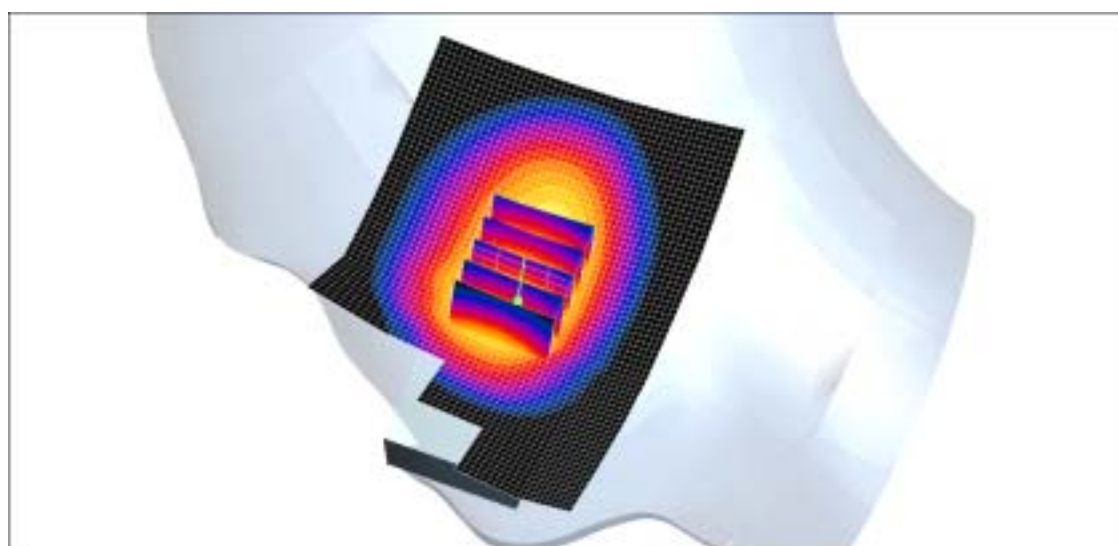
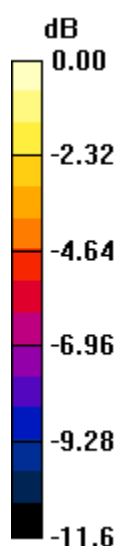
Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 8.79 V/m; Power Drift = -0.092 dB

Peak SAR (extrapolated) = 0.569 W/kg

SAR(1 g) = 0.400 mW/g

Maximum value of SAR (measured) = 0.430 mW/g



0 dB = 0.430mW/g

SAMSUNG FCC ID : A3LSGHE635 835MHz GSM850 Head SAR

DUT: SGH-E635 (Down); Serial: FC-061-I

Program Name: SGH-E635 GSM850 Right (Slide.Down, Job No. : FC-061)

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

Procedure Notes: Meas.Tissue Temp(celsius)-21.4; Test Date-16/May/2005 [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; $\epsilon_r = 40.6$; $\rho = 1000$ kg/m³

Phantom section: Right Section

DASY4 Configuration:

- Probe: EX3DV4 - SN3537; ConvF(9.24, 9.24, 9.24); 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.190, Ant.Intenna, Bat.Standard/Zoom Scan (5x5x7)/Cube 0:

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

Reference Value = 14.7 V/m; Power Drift = -0.030 dB

Peak SAR (extrapolated) = 0.290 W/kg

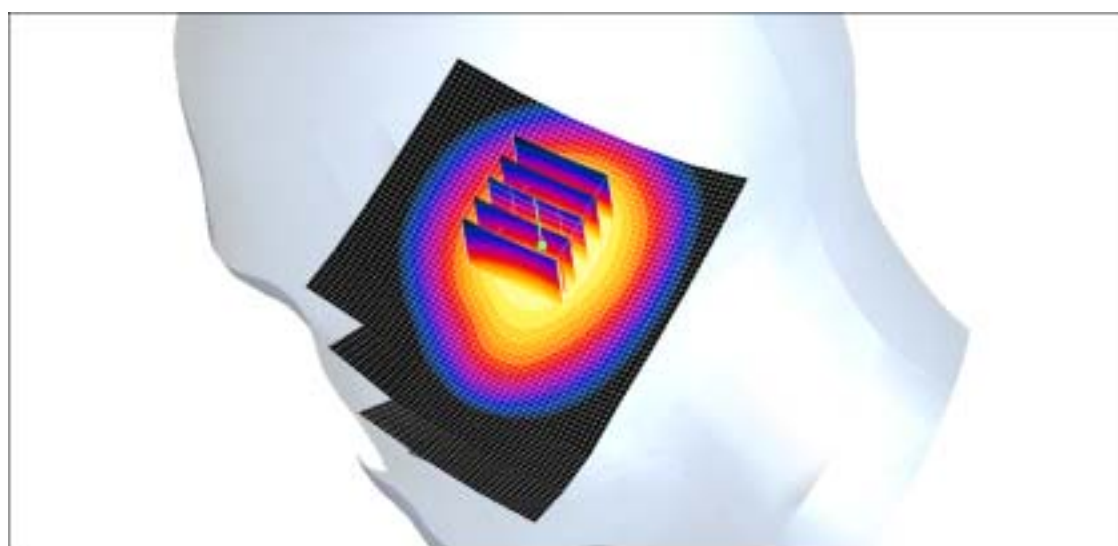
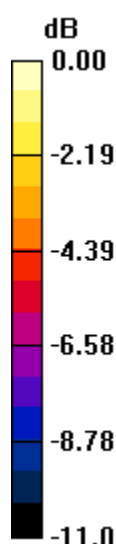
SAR(1 g) = 0.201 mW/g

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

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

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

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



0 dB = 0.219mW/g

SAMSUNG FCC ID : A3LSGHE635 835MHz GSM850 Head SAR

DUT: SGH-E635 (Up); Serial: FC-061-I

Program Name: SGH-E635 GSM850 Left (Slide.Up, Job No. : FC-061)

Procedure Name: Cheek/Touch, Ch.128, Ant.Intenna, Bat.Standard

Procedure Notes: Meas.Tissue Temp(celsius)-21.4; Test Date-16/May/2005 [OET Bulletin 65-Supplement C, July 2001]

Communication System: GSM850; Frequency: 824.2 MHz; Duty Cycle: 1:8.3

Medium parameters used: $f = 824.2$ MHz; $\sigma = 0.9$ mho/m; $\epsilon_r = 40.6$; $\rho = 1000$ kg/m³

Phantom section: Left Section

DASY4 Configuration:

- Probe: EX3DV4 - SN3537; ConvF(9.24, 9.24, 9.24); 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.128, Ant.Intenna, Bat.Standard/Zoom Scan (5x5x7)/Cube 0:

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

Reference Value = 8.59 V/m; Power Drift = -0.169 dB

Peak SAR (extrapolated) = 0.653 W/kg

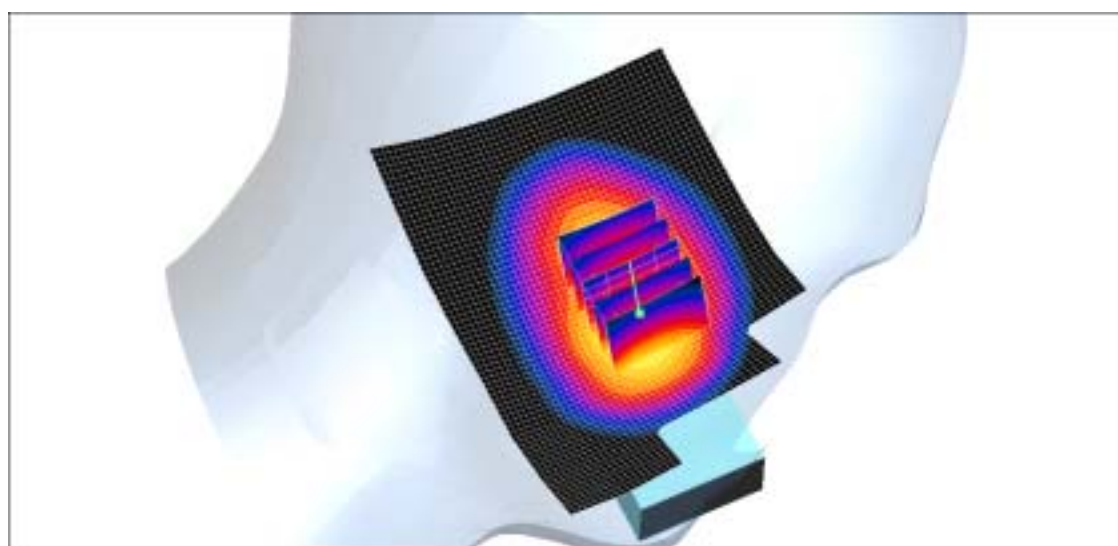
SAR(1 g) = 0.457 mW/g

Maximum value of SAR (measured) = 0.493 mW/g

Cheek/Touch, Ch.128, Ant.Intenna, Bat.Standard/Area Scan (51x71x1): Measurement

grid: dx=20mm, dy=20mm

Maximum value of SAR (interpolated) = 0.528 mW/g



0 dB = 0.528mW/g

SAMSUNG FCC ID : A3LSGHE635 835MHz GSM850 Head SAR

DUT: SGH-E635 (Up); Serial: FC-061-I

Program Name: SGH-E635 GSM850 Left (Slide.Up, Job No. : FC-061)

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

Procedure Notes: Meas.Tissue Temp(celsius)-21.4; Test Date-16/May/2005 [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; $\epsilon_r = 40.6$; $\rho = 1000$ kg/m³

Phantom section: Left Section

DASY4 Configuration:

- Probe: EX3DV4 - SN3537; ConvF(9.24, 9.24, 9.24); 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.190, Ant.Intenna, Bat.Standard/Zoom Scan (5x5x7)/Cube 0:

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

Reference Value = 8.62 V/m; Power Drift = -0.053 dB

Peak SAR (extrapolated) = 0.308 W/kg

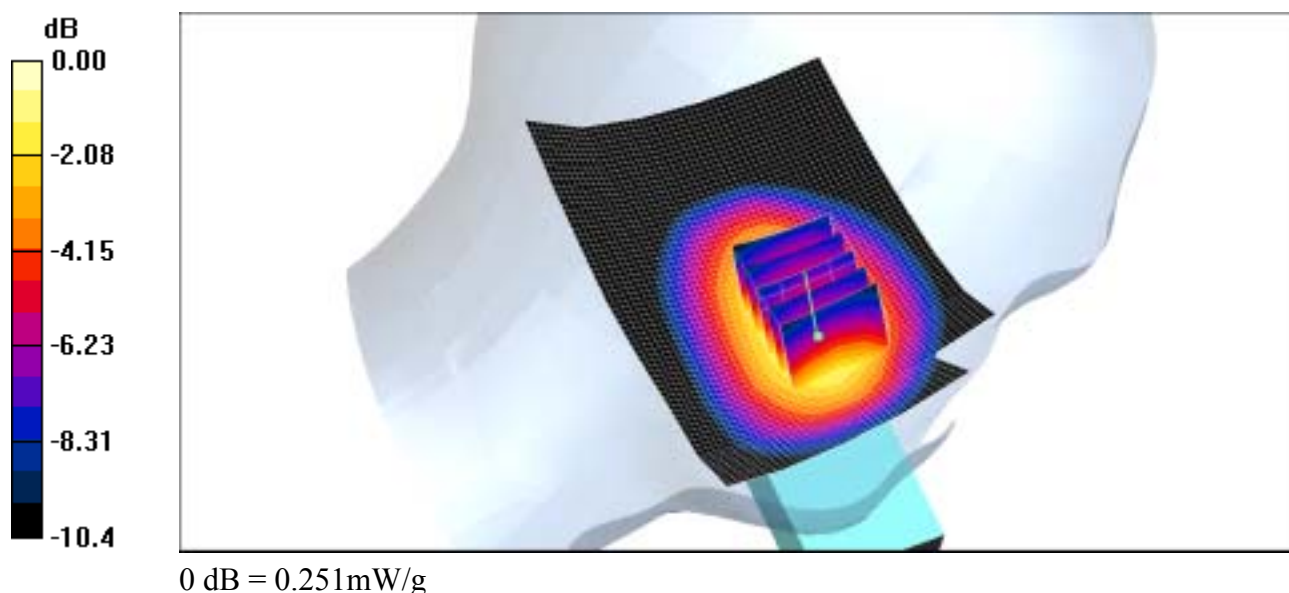
SAR(1 g) = 0.229 mW/g

Maximum value of SAR (measured) = 0.244 mW/g

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

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

Maximum value of SAR (interpolated) = 0.251 mW/g



SAMSUNG FCC ID : A3LSGHE635 1900MHz GSM1900 Head SAR

DUT: SGH-E635 (Up); Serial: FC-061-I

Program Name: SGH-E635 GSM1900 Right (Slide.Up, Job No. : FC-061)

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

Procedure Notes: Meas.Tissue Temp(celsius)-21.4; Test Date-13/May/2005 [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; $\sigma = 1.41$ 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 1800/1900 MHz; Type: SAM; Serial: TP-1248
- Measurement SW: DASY4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 146

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

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

Reference Value = 1.90 V/m; Power Drift = -0.082 dB

Peak SAR (extrapolated) = 1.33 W/kg

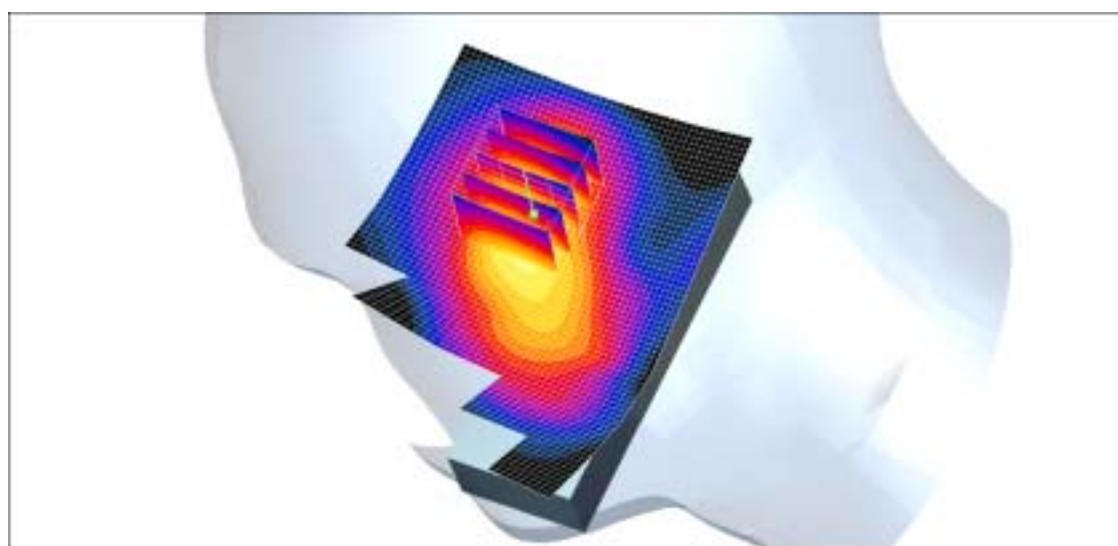
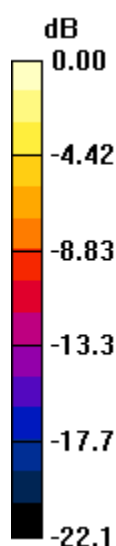
SAR(1 g) = 0.659 mW/g

Maximum value of SAR (measured) = 0.748 mW/g

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

grid: dx=20mm, dy=20mm

Maximum value of SAR (interpolated) = 0.739 mW/g



0 dB = 0.739mW/g

SAMSUNG FCC ID : A3LSGHE635 1900MHz GSM1900 Head SAR

DUT: SGH-E635 (Up); Serial: FC-061-I

Program Name: SGH-E635 GSM1900 Right (Slide.Up, Job No. : FC-061)

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

Procedure Notes: Meas.Tissue Temp(celsius)-21.4; Test Date-13/May/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; $\sigma = 1.41$ 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 1800/1900 MHz; Type: SAM; Serial: TP-1248
- Measurement SW: DASY4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 146

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

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

Reference Value = 1.66 V/m; Power Drift = -0.198 dB

Peak SAR (extrapolated) = 0.226 W/kg

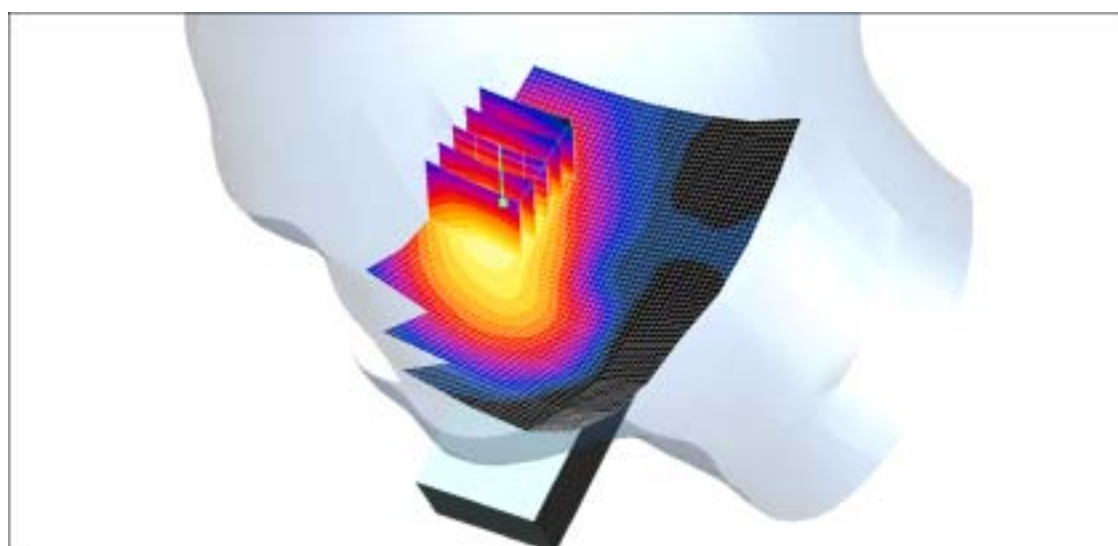
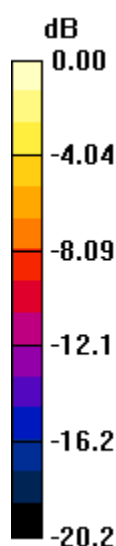
SAR(1 g) = 0.133 mW/g

Maximum value of SAR (measured) = 0.148 mW/g

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

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

Maximum value of SAR (interpolated) = 0.153 mW/g



0 dB = 0.153mW/g

SAMSUNG FCC ID : A3LSGHE635 1900MHz GSM1900 Head SAR

DUT: SGH-E635 (Down); Serial: FC-061-I

Program Name: SGH-E635 GSM1900 Left (Slide.Down, Job No. : FC-061)

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

Procedure Notes: Meas.Tissue Temp(celsius)-21.4; Test Date-13/May/2005 [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; $\sigma = 1.41$ 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 1800/1900 MHz; Type: SAM; Serial: TP-1248
- Measurement SW: DASY4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 146

Cheek/Touch, Ch.810, Ant.Intenna, Bat.Standard/Area Scan (51x71x1): Measurement grid: dx=20mm, dy=20mm

Maximum value of SAR (interpolated) = 0.565 mW/g

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

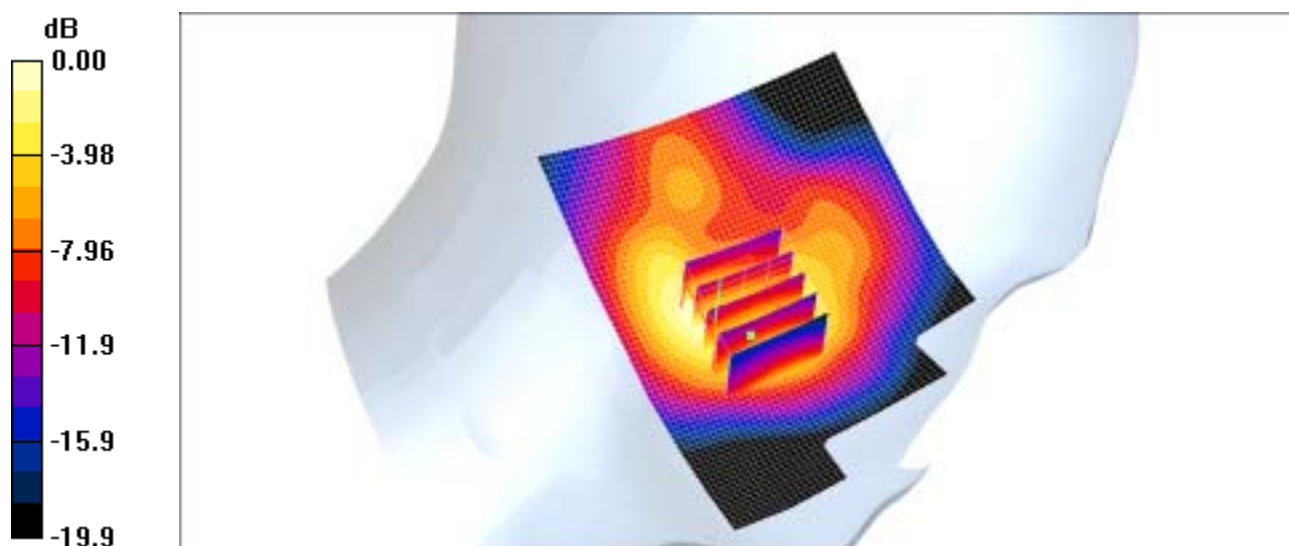
Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 9.34 V/m; Power Drift = -0.021 dB

Peak SAR (extrapolated) = 0.877 W/kg

SAR(1 g) = 0.529 mW/g

Maximum value of SAR (measured) = 0.576 mW/g



0 dB = 0.576mW/g

SAMSUNG FCC ID : A3LSGHE635 1900MHz GSM1900 Head SAR

DUT: SGH-E635 (Down); Serial: FC-061-I

Program Name: SGH-E635 GSM1900 Left (Slide.Down, Job No. : FC-061)

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

Procedure Notes: Meas.Tissue Temp(celsius)-21.4; Test Date-13/May/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; $\sigma = 1.41$ 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 1800/1900 MHz; Type: SAM; Serial: TP-1248
- Measurement SW: DASY4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 146

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

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

Reference Value = 7.30 V/m; Power Drift = 0.062 dB

Peak SAR (extrapolated) = 0.190 W/kg

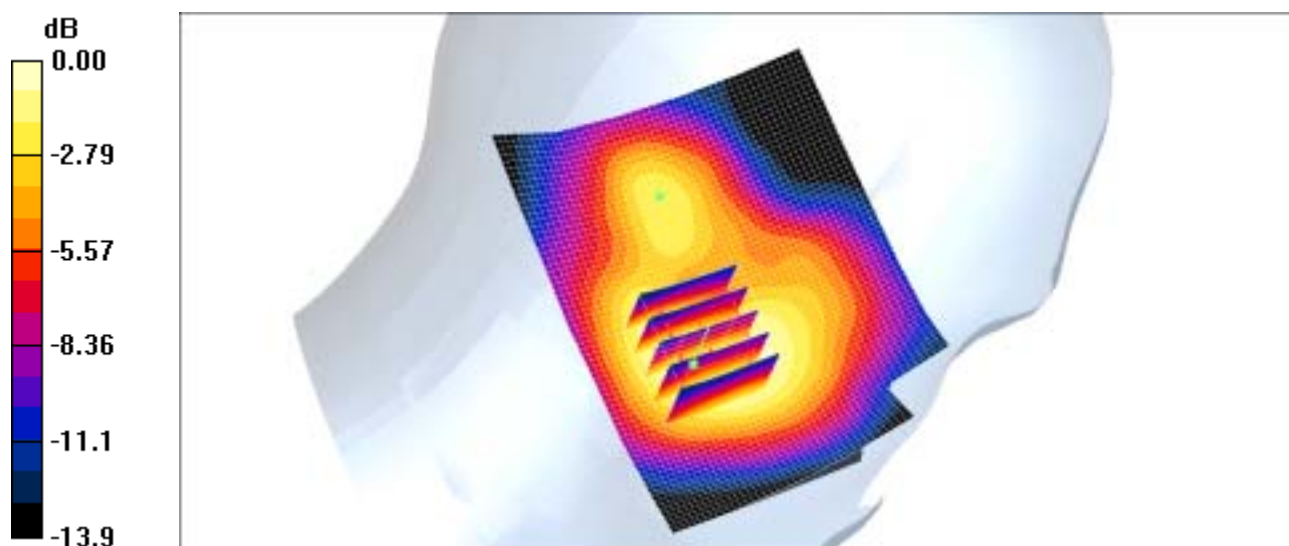
SAR(1 g) = 0.126 mW/g

Maximum value of SAR (measured) = 0.129 mW/g

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

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

Maximum value of SAR (interpolated) = 0.127 mW/g



0 dB = 0.127mW/g

SAMSUNG FCC ID : A3LSGHE635 835MHz GPRS850 Body SAR

DUT: SGH-E635 (Body); Serial: FC-061-I

Program Name: SGH-E635 GSM850 Body (Job No. : FC-061)

Procedure Name: Body, Ch.128, Ant.Intenna, Bat.Standard With Holster 90 degree

Procedure Notes: Meas.Tissue Temp(celsius)-21.4;Test Date-16/May/2005[OET Bulletin 65-Supplement C, July 2001]

Communication System: GSM 850 (GPRS); Frequency: 824.2 MHz;Duty Cycle: 1:4.15

Medium parameters used: $f = 824.2$ MHz; $\sigma = 0.97$ mho/m; $\epsilon_r = 54.3$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY4 Configuration:

- Probe: EX3DV4 - SN3537; ConvF(9.83, 9.83, 9.83); 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-1143
- Measurement SW: DASY4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 146

Body, Ch.128, Ant.Intenna, Bat.Standard With Holster 90 degree/Zoom Scan

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

Reference Value = 14.9 V/m; Power Drift = -0.037 dB

Peak SAR (extrapolated) = 1.42 W/kg

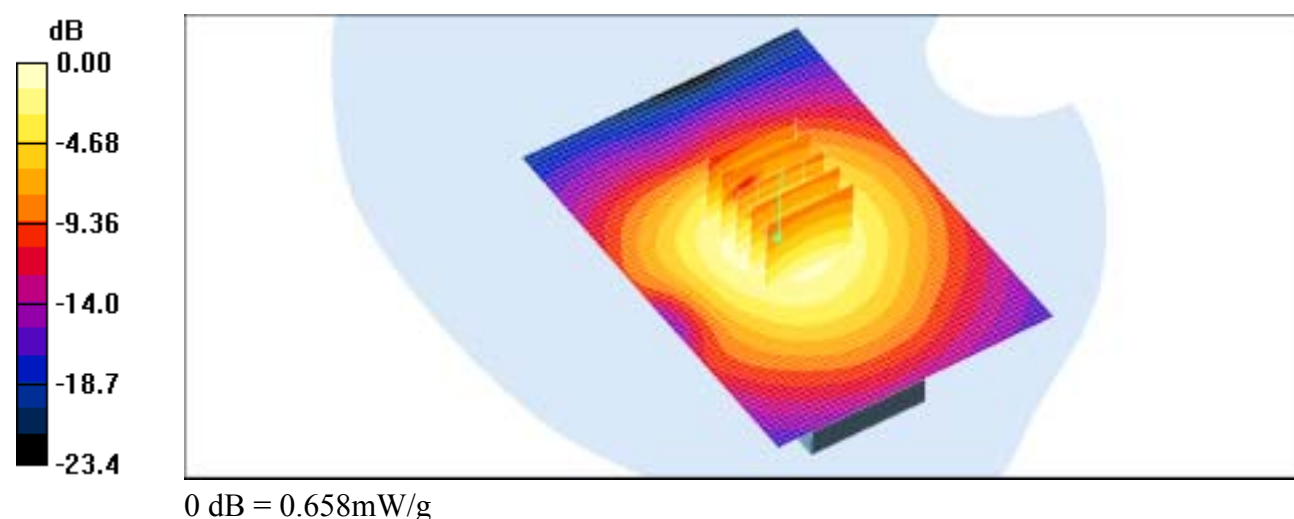
SAR(1 g) = 0.577 mW/g

Maximum value of SAR (measured) = 0.594 mW/g

Body, Ch.128, Ant.Intenna, Bat.Standard With Holster 90 degree/Area Scan

(51x71x1): Measurement grid: dx=20mm, dy=20mm

Maximum value of SAR (interpolated) = 0.658 mW/g



SAMSUNG FCC ID : A3LSGHE635 1900MHz GPRS1900 Body SAR

DUT: SGH-E635 (Body); Serial: FC-061-I

Program Name: SGH-E635 GSM1900 Body (Job No. : FC-061)

Procedure Name: Body, Ch.810, Ant.Intenna, Bat.Standard With Holster 90 degree

Procedure Notes: Meas.Tissue Temp(celsius)-21.5;Test Date-13/May/2005[OET Bulletin 65-Supplement C, July 2001]

Communication System: Body GPRS ; Frequency: 1909.8 MHz;Duty Cycle: 1:4.15

Medium parameters used: $f = 1909.8$ MHz; $\sigma = 1.53$ mho/m; $\epsilon_r = 52.1$; $\rho = 1000$ 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-1143
- Measurement SW: DASY4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 146

Body, Ch.810, Ant.Intenna, Bat.Standard With Holster 90 degree/Area Scan

(51x71x1): Measurement grid: dx=20mm, dy=20mm

Maximum value of SAR (interpolated) = 0.499 mW/g

Body, Ch.810, Ant.Intenna, Bat.Standard With Holster 90 degree/Zoom Scan

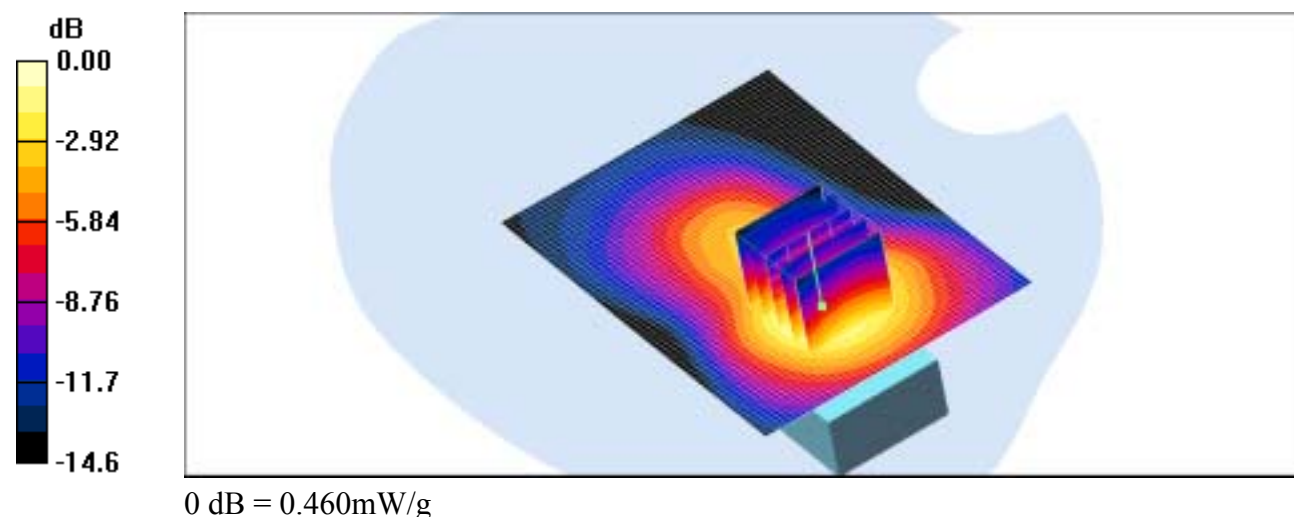
(5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 11.2 V/m; Power Drift = -0.117 dB

Peak SAR (extrapolated) = 0.616 W/kg

SAR(1 g) = 0.420 mW/g

Maximum value of SAR (measured) = 0.460 mW/g



SAMSUNG FCC ID : A3LSGHE635 835MHz GSM850 Head SAR

DUT: SGH-E635 (Up); Serial: FC-061-I

Program Name: SGH-E635 GSM850 Left (Slide.Up, Job No. : FC-061)

Procedure Name: Cheek/Touch, Ch.128, Ant.Intenna, Bat.Standard

Procedure Notes: Meas.Tissue Temp(celsius)-21.4; Test Date-16/May/2005 [OET Bulletin 65-Supplement C, July 2001]

Communication System: GSM850; Frequency: 824.2 MHz; Duty Cycle: 1:8.3

Medium parameters used: $f = 824.2$ MHz; $\sigma = 0.9$ mho/m; $\epsilon_r = 40.6$; $\rho = 1000$ kg/m³

Phantom section: Left Section

DASY4 Configuration:

- Probe: EX3DV4 - SN3537; ConvF(9.24, 9.24, 9.24); 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.128, Ant.Intenna, Bat.Standard/Zoom Scan (5x5x7)/Cube 0:

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

Reference Value = 8.59 V/m; Power Drift = -0.169 dB

Peak SAR (extrapolated) = 0.653 W/kg

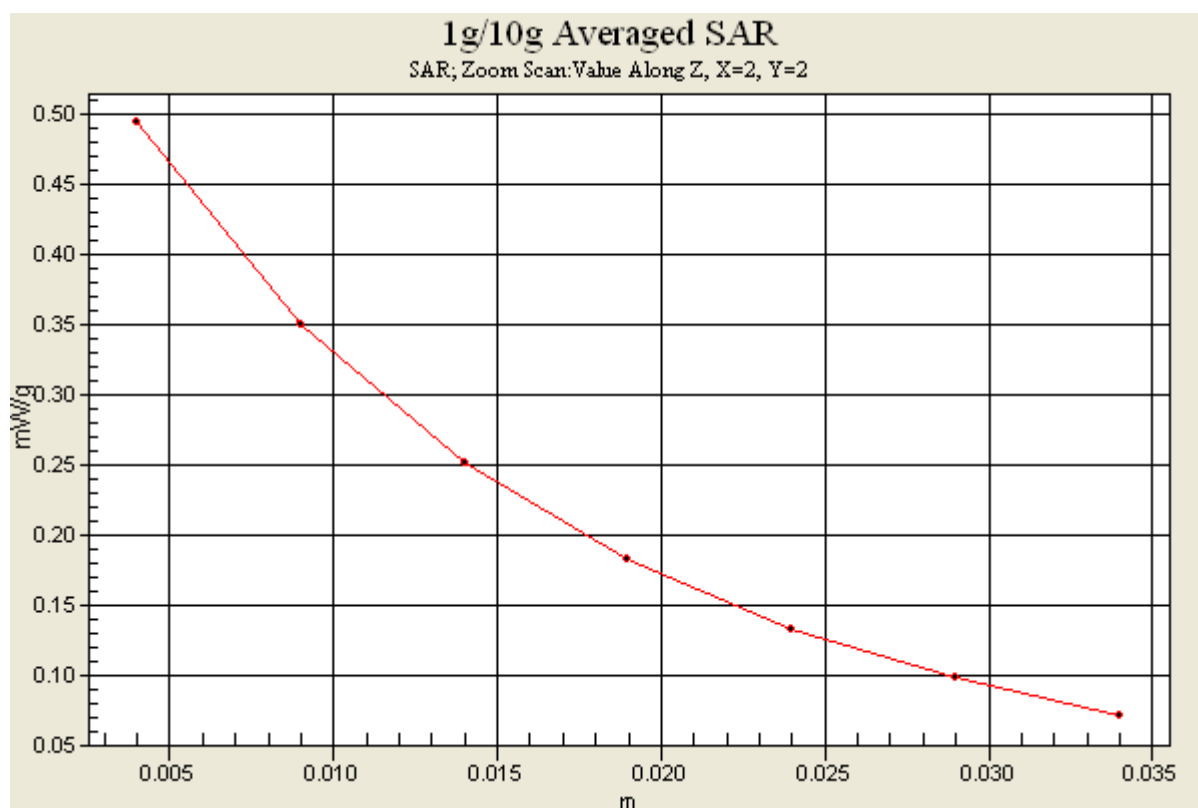
SAR(1 g) = 0.457 mW/g

Maximum value of SAR (measured) = 0.493 mW/g

Cheek/Touch, Ch.128, Ant.Intenna, Bat.Standard/Area Scan (51x71x1): Measurement

grid: dx=20mm, dy=20mm

Maximum value of SAR (interpolated) = 0.528 mW/g



SAMSUNG FCC ID : A3LSGHE635 1900MHz GSM1900 Head SAR

DUT: SGH-E635 (Up); Serial: FC-061-I

Program Name: SGH-E635 GSM1900 Right (Slide.Up, Job No. : FC-061)

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

Procedure Notes: Meas.Tissue Temp(celsius)-21.4; Test Date-13/May/2005 [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; $\sigma = 1.41$ 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 1800/1900 MHz; Type: SAM; Serial: TP-1248

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

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

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

Reference Value = 1.90 V/m; Power Drift = -0.082 dB

Peak SAR (extrapolated) = 1.33 W/kg

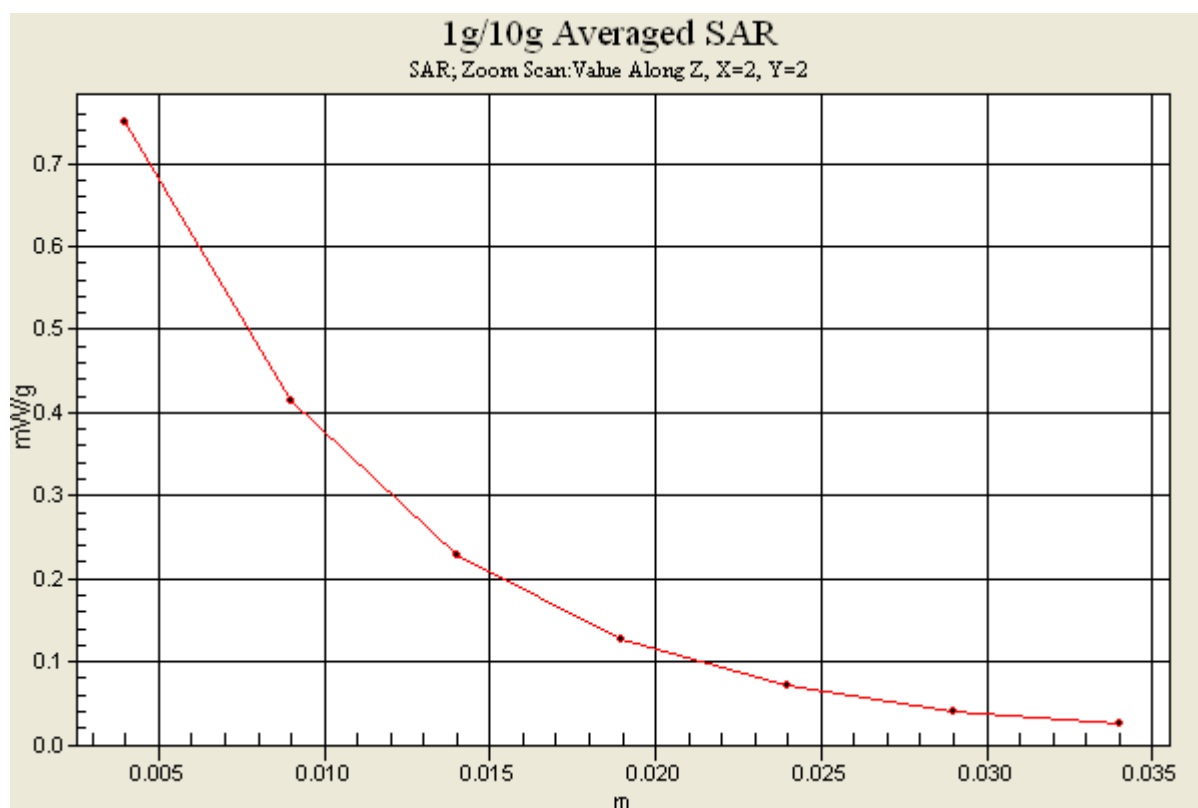
SAR(1 g) = 0.659 mW/g

Maximum value of SAR (measured) = 0.748 mW/g

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

grid: dx=20mm, dy=20mm

Maximum value of SAR (interpolated) = 0.739 mW/g



SAMSUNG FCC ID : A3LSGHE635 835MHz GPRS850 Body SAR

DUT: SGH-E635 (Body); Serial: FC-061-I

Program Name: SGH-E635 GSM850 Body (Job No. : FC-061)

Procedure Name: Body, Ch.128, Ant.Intenna, Bat.Standard With Holster 90 degree

Procedure Notes: Meas.Tissue Temp(celsius)-21.4;Test Date-16/May/2005[OET Bulletin 65-Supplement C, July 2001]

Communication System: GSM 850 (GPRS); Frequency: 824.2 MHz;Duty Cycle: 1:4.15

Medium parameters used: $f = 824.2$ MHz; $\sigma = 0.97$ mho/m; $\epsilon_r = 54.3$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY4 Configuration:

- Probe: EX3DV4 - SN3537; ConvF(9.83, 9.83, 9.83); 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-1143
- Measurement SW: DASY4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 146

Body, Ch.128, Ant.Intenna, Bat.Standard With Holster 90 degree/Zoom Scan

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

Reference Value = 14.9 V/m; Power Drift = -0.037 dB

Peak SAR (extrapolated) = 1.42 W/kg

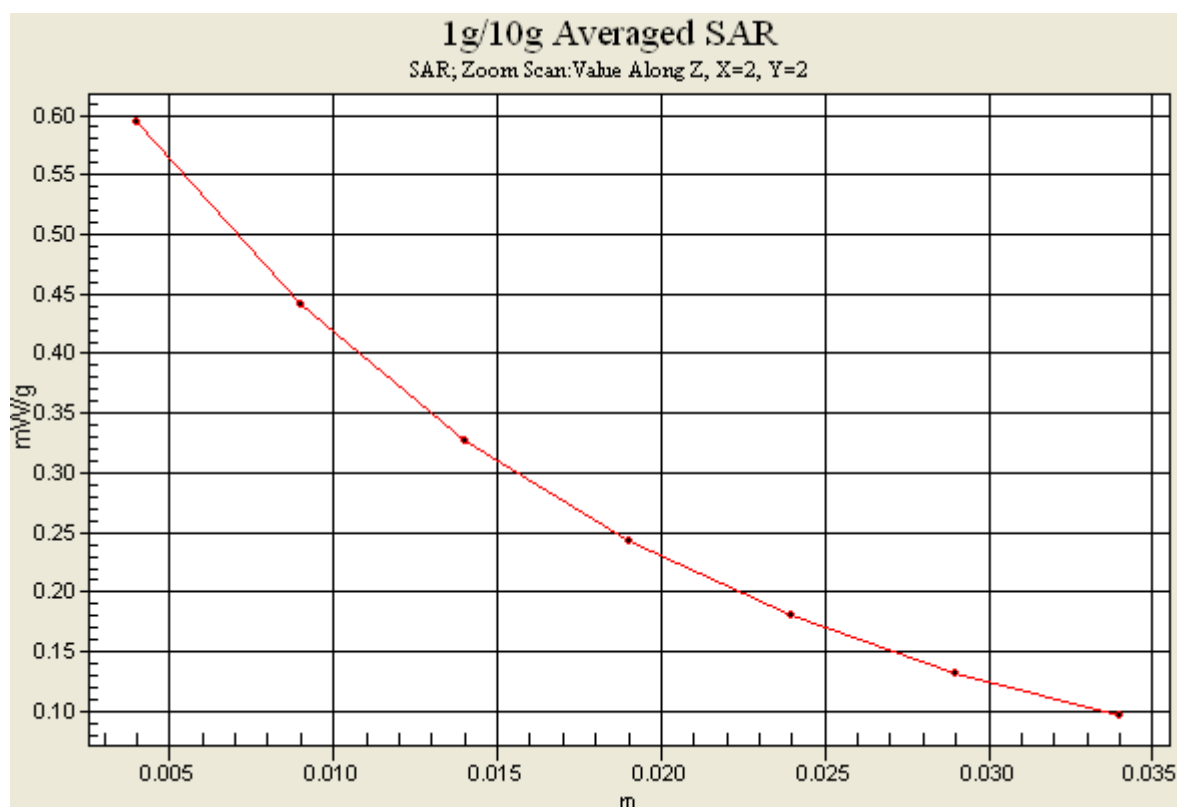
SAR(1 g) = 0.577 mW/g

Maximum value of SAR (measured) = 0.594 mW/g

Body, Ch.128, Ant.Intenna, Bat.Standard With Holster 90 degree/Area Scan

(51x71x1): Measurement grid: dx=20mm, dy=20mm

Maximum value of SAR (interpolated) = 0.658 mW/g



SAMSUNG FCC ID : A3LSGHE635 1900MHz GPRS1900 Body SAR

DUT: SGH-E635 (Body); Serial: FC-061-I

Program Name: SGH-E635 GSM1900 Body (Job No. : FC-061)

Procedure Name: Body, Ch.810, Ant.Intenna, Bat.Standard With Holster 90 degree

Procedure Notes: Meas.Tissue Temp(celsius)-21.5;Test Date-13/May/2005[OET Bulletin 65-Supplement C, July 2001]

Communication System: Body GPRS ; Frequency: 1909.8 MHz;Duty Cycle: 1:4.15

Medium parameters used: $f = 1909.8$ MHz; $\sigma = 1.53$ mho/m; $\epsilon_r = 52.1$; $\rho = 1000$ 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-1143

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

Body, Ch.810, Ant.Intenna, Bat.Standard With Holster 90 degree/Area Scan

(51x71x1): Measurement grid: dx=20mm, dy=20mm

Maximum value of SAR (interpolated) = 0.499 mW/g

Body, Ch.810, Ant.Intenna, Bat.Standard With Holster 90 degree/Zoom Scan

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

Reference Value = 11.2 V/m; Power Drift = -0.117 dB

Peak SAR (extrapolated) = 0.616 W/kg

SAR(1 g) = 0.420 mW/g

Maximum value of SAR (measured) = 0.460 mW/g

