

SAMSUNG FCC ID : A3LSGHA401 WCDMA850 Head SAR

DUT: SGH-A401; Serial: FD-204-S

Program Name: SGH-A401 WCDMA850 Right(Job No. : FD-204)

Procedure Name: Cheek/Touch, Ch.4132, Ant.Fixed, Bat.Standard

Meas.Ambient Temp-22.1 ;Meas.Tissue Temp(celsius)-21.7 ; Test Date-04/Nov/2006

Communication System: WCDMA850; Frequency: 826.4 MHz;Duty Cycle: 1:1

Medium parameters used: $f = 826.4$ MHz; $\sigma = 0.91$ mho/m; $\epsilon_r = 40.9$; $\rho = 1000$ kg/m³

Phantom section: Right Section

DASY4 Configuration:

- Probe: ES3DV2 - SN3017; ConvF(6.3, 6.3, 6.3); Calibrated: 2006-09-20
- 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.4132, Ant.Fixed, Bat.Standard/Area Scan (51x71x1): Measurement grid: dx=20mm, dy=20mm

Maximum value of SAR (interpolated) = 1.33 mW/g

Cheek/Touch, Ch.4132, Ant.Fixed, Bat.Standard/Zoom Scan (5x5x7)/Cube 0:

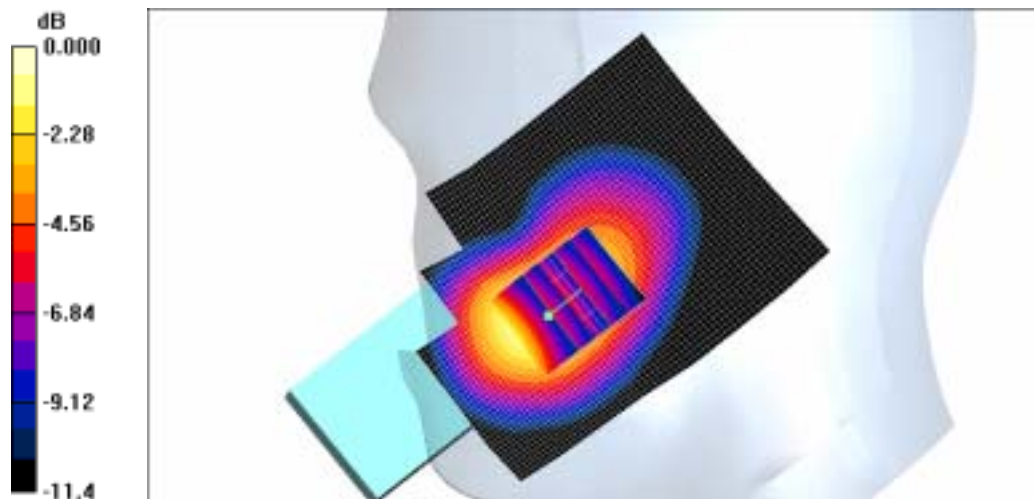
Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 29.6 V/m; Power Drift = -0.074 dB

Peak SAR (extrapolated) = 1.88 W/kg

SAR(1 g) = 1.24 mW/g

Maximum value of SAR (measured) = 1.35 mW/g



0 dB = 1.35mW/g

SAMSUNG FCC ID : A3LSGHA401 WCDMA850 Head SAR

DUT: SGH-A401; Serial: FD-204-S

Program Name: SGH-A401 WCDMA850 Right(Job No. : FD-204)

Procedure Name: Ear/Tilt, Ch.4183, Ant.Fixed, Bat.Standard

Meas.Ambient Temp-22.1 ;Meas.Tissue Temp(celsius)-21.7 ; Test Date-04/Nov/2006

Communication System: WCDMA850; Frequency: 836.6 MHz;Duty Cycle: 1:1

Medium parameters used: $f = 836.6$ MHz; $\sigma = 0.91$ mho/m; $\epsilon_r = 40.9$; $\rho = 1000$ kg/m³

Phantom section: Right Section

DASY4 Configuration:

- Probe: ES3DV2 - SN3017; ConvF(6.3, 6.3, 6.3); Calibrated: 2006-09-20
- 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.4183, Ant.Fixed, Bat.Standard/Area Scan (51x71x1): Measurement grid:

dx=20mm, dy=20mm

Maximum value of SAR (interpolated) = 0.303 mW/g

Ear/Tilt, Ch.4183, Ant.Fixed, Bat.Standard/Zoom Scan (5x5x7)/Cube 0: Measurement

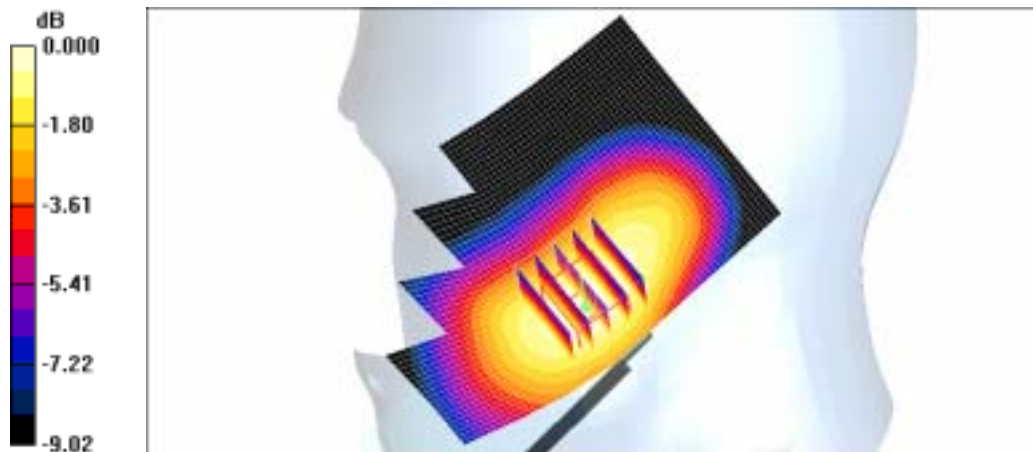
grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 16.8 V/m; Power Drift = 0.060 dB

Peak SAR (extrapolated) = 0.369 W/kg

SAR(1 g) = 0.286 mW/g

Maximum value of SAR (measured) = 0.303 mW/g



0 dB = 0.303mW/g

SAMSUNG FCC ID : A3LSGHA401 WCDMA850 Head SAR

DUT: SGH-A401; Serial: FD-204-S

Program Name: SGH-A401 WCDMA850 Left(Job No. : FD-204)

Procedure Name: Cheek/Touch, Ch.4183, Ant.Fixed, Bat.Standard

Meas.Ambient Temp-22.1 ;Meas.Tissue Temp(celsius)-21.7 ; Test Date-04/Nov/2006

Communication System: WCDMA850; Frequency: 836.6 MHz;Duty Cycle: 1:1

Medium parameters used: $f = 836.6$ MHz; $\sigma = 0.91$ mho/m; $\epsilon_r = 40.9$; $\rho = 1000$ kg/m³

Phantom section: Left Section

DASY4 Configuration:

- Probe: ES3DV2 - SN3017; ConvF(6.3, 6.3, 6.3); Calibrated: 2006-09-20
- 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.4183, Ant.Fixed, Bat.Standard/Area Scan (51x71x1): Measurement grid: dx=20mm, dy=20mm

Maximum value of SAR (interpolated) = 0.860 mW/g

Cheek/Touch, Ch.4183, Ant.Fixed, Bat.Standard/Zoom Scan (5x5x7)/Cube 0:

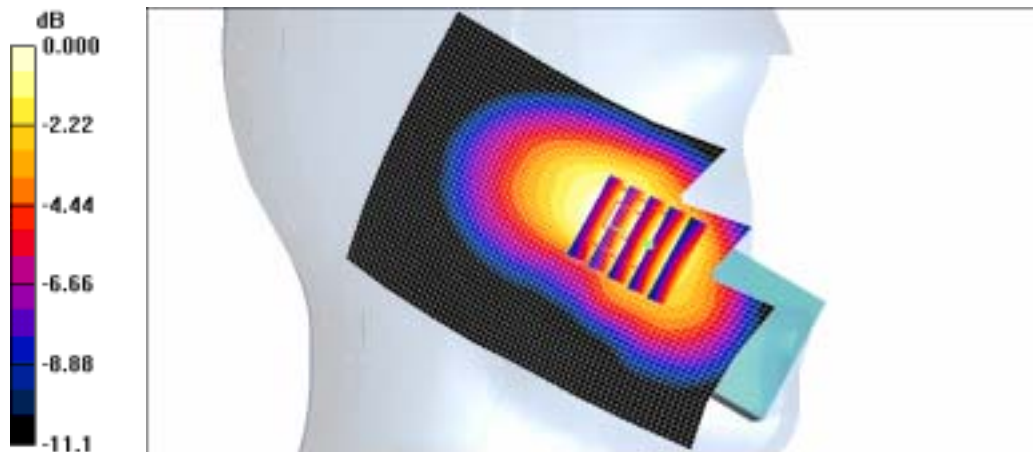
Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 26.5 V/m; Power Drift = -0.130 dB

Peak SAR (extrapolated) = 1.16 W/kg

SAR(1 g) = 0.812 mW/g

Maximum value of SAR (measured) = 0.848 mW/g



0 dB = 0.848mW/g

SAMSUNG FCC ID : A3LSGHA401 WCDMA850 Head SAR

DUT: SGH-A401; Serial: FD-204-S

Program Name: SGH-A401 WCDMA850 Left(Job No. : FD-204)

Procedure Name: Tilted/Ear, Ch.4183, Ant.Fixed, Bat.Standard

Meas.Ambient Temp-22.1 ;Meas.Tissue Temp(celsius)-21.7 ; Test Date-04/Nov/2006

Communication System: WCDMA850; Frequency: 836.6 MHz;Duty Cycle: 1:1

Medium parameters used: $f = 836.6$ MHz; $\sigma = 0.91$ mho/m; $\epsilon_r = 40.9$; $\rho = 1000$ kg/m³

Phantom section: Left Section

DASY4 Configuration:

- Probe: ES3DV2 - SN3017; ConvF(6.3, 6.3, 6.3); Calibrated: 2006-09-20
- 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

Tilted/Ear, Ch.4183, Ant.Fixed, Bat.Standard/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 17.4 V/m; Power Drift = -0.027 dB

Peak SAR (extrapolated) = 0.345 W/kg

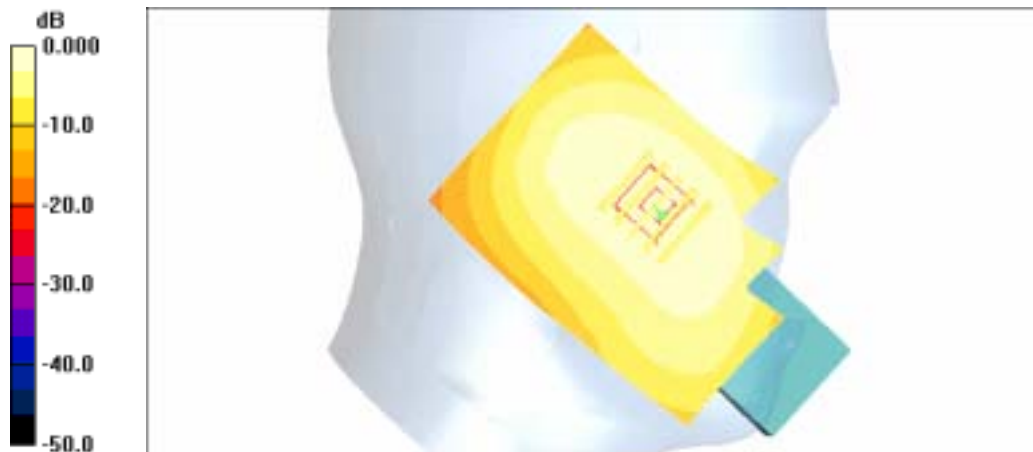
SAR(1 g) = 0.268 mW/g

Maximum value of SAR (measured) = 0.281 mW/g

Tilted/Ear, Ch.4183, Ant.Fixed, Bat.Standard/Area Scan (51x71x1): Measurement grid:

dx=20mm, dy=20mm

Maximum value of SAR (interpolated) = 0.277 mW/g



0 dB = 0.277mW/g

SAMSUNG FCC ID : A3LSGHA401 WCDMA850 Body SAR

DUT: SGH-A401(Body); Serial: FD-204-S

Program Name: SGH-A401 WCDMA850 Body (Job No. : FD-204)

Procedure Name: Body, Ch.4183, Ant.Fixed, Bat.Standard With BT ON

Meas.Ambient Temp-22.0 ;Meas.Tissue Temp(celsius)-21.8 ; Test Date-04/Nov/2006

Communication System: W-CDMA 850; Frequency: 836.6 MHz;Duty Cycle: 1:1

Medium parameters used: $f = 836.6$ MHz; $\sigma = 0.99$ mho/m; $\epsilon_r = 53.7$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY4 Configuration:

- Probe: ES3DV2 - SN3017; ConvF(6.31, 6.31, 6.13); Calibrated: 2006-09-20
- 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.4183, Ant.Fixed, Bat.Standard With BT ON/Area Scan (51x71x1):

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

Maximum value of SAR (interpolated) = 0.595 mW/g

Body, Ch.4183, Ant.Fixed, Bat.Standard With BT ON/Zoom Scan (5x5x7)/Cube 0:

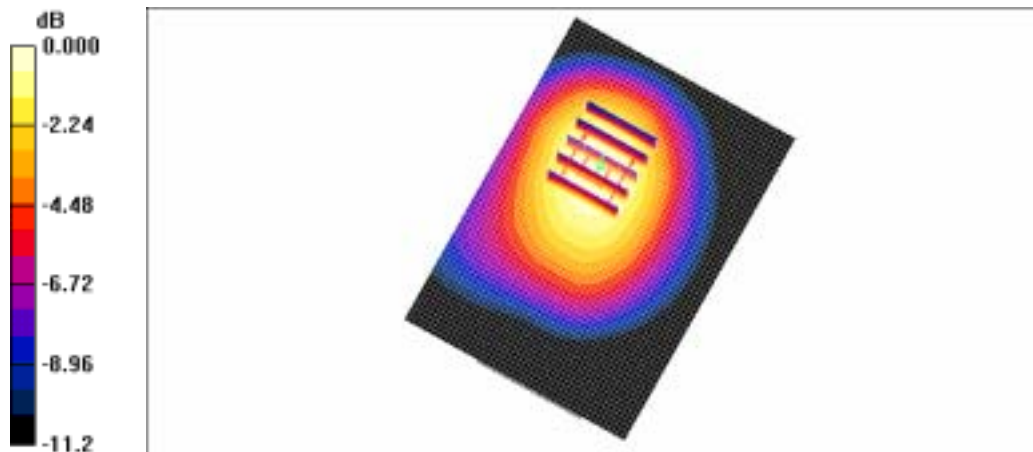
Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 20.1 V/m; Power Drift = -0.018 dB

Peak SAR (extrapolated) = 0.761 W/kg

SAR(1 g) = 0.540 mW/g

Maximum value of SAR (measured) = 0.570 mW/g



0 dB = 0.570mW/g

SAMSUNG FCC ID : A3LSGHA401 WCDMA850 Head SAR

DUT: SGH-A401; Serial: FD-204-S

Program Name: SGH-A401 WCDMA850 Right(Job No. : FD-204)

Procedure Name: Cheek/Touch, Ch.4132, Ant.Fixed, Bat.Standard

Meas.Ambient Temp-22.1 ;Meas.Tissue Temp(celsius)-21.7 ; Test Date-04/Nov/2006

Communication System: WCDMA850; Frequency: 826.4 MHz;Duty Cycle: 1:1

Medium parameters used: $f = 826.4$ MHz; $\sigma = 0.91$ mho/m; $\epsilon_r = 40.9$; $\rho = 1000$ kg/m³

Phantom section: Right Section

DASY4 Configuration:

- Probe: ES3DV2 - SN3017; ConvF(6.3, 6.3, 6.3); Calibrated: 2006-09-20
- 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.4132, Ant.Fixed, Bat.Standard/Area Scan (51x71x1): Measurement grid: dx=20mm, dy=20mm

Maximum value of SAR (interpolated) = 1.33 mW/g

Cheek/Touch, Ch.4132, Ant.Fixed, Bat.Standard/Zoom Scan (5x5x7)/Cube 0:

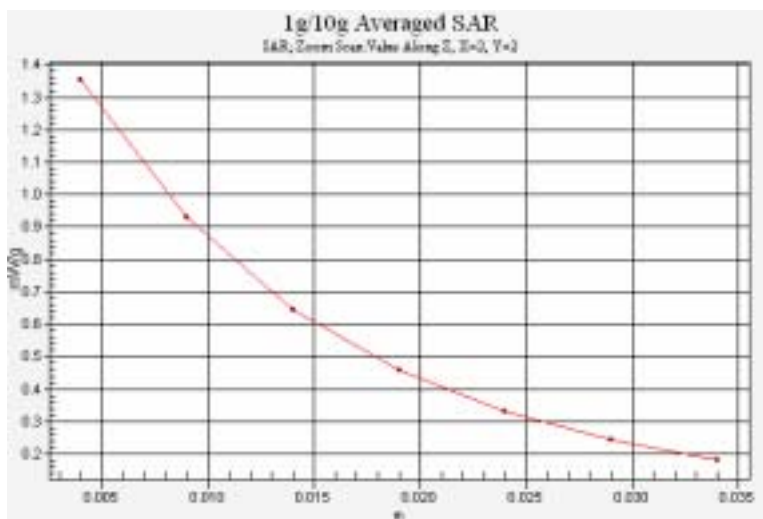
Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 29.6 V/m; Power Drift = -0.074 dB

Peak SAR (extrapolated) = 1.88 W/kg

SAR(1 g) = 1.24 mW/g

Maximum value of SAR (measured) = 1.35 mW/g



SAMSUNG FCC ID : A3LSGHA401 WCDMA850 Body SAR

DUT: SGH-A401(Body); Serial: FD-204-S

Program Name: SGH-A401 WCDMA850 Body (Job No. : FD-204)

Procedure Name: Body, Ch.4183, Ant.Fixed, Bat.Standard With BT ON

Meas.Ambient Temp-22.1 ; Meas.Tissue Temp(celsius)-21.7 ; Test Date-04/Nov/2006

Communication System: W-CDMA 850; Frequency: 836.6 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 836.6$ MHz; $\sigma = 0.99$ mho/m; $\epsilon_r = 53.7$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY4 Configuration:

- Probe: ES3DV2 - SN3017; ConvF(6.31, 6.31, 6.13); Calibrated: 2006-09-20
- 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.4183, Ant.Fixed, Bat.Standard With BT ON/Area Scan (51x71x1):

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

Maximum value of SAR (interpolated) = 0.595 mW/g

Body, Ch.4183, Ant.Fixed, Bat.Standard With BT ON/Zoom Scan (5x5x7)/Cube 0:

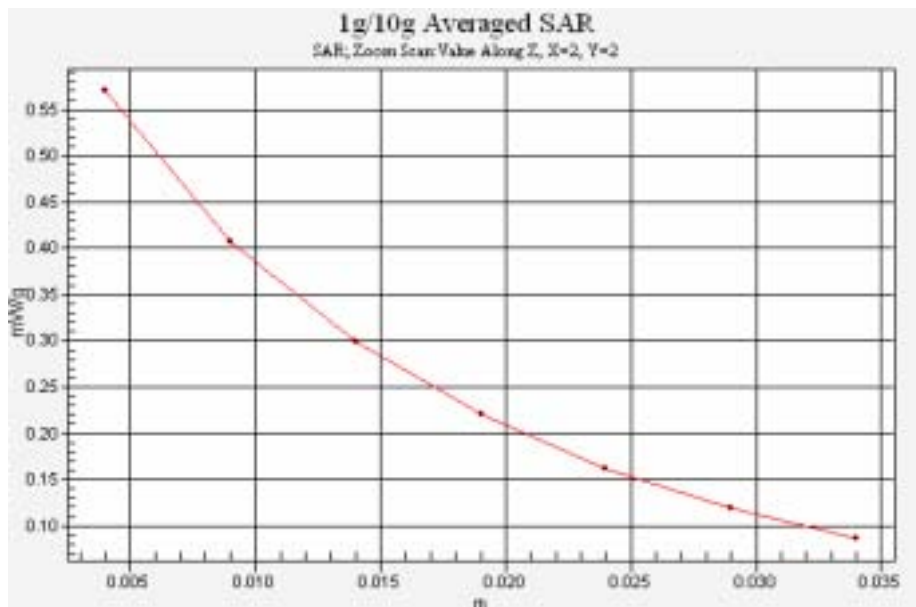
Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 20.1 V/m; Power Drift = -0.018 dB

Peak SAR (extrapolated) = 0.761 W/kg

SAR(1 g) = 0.540 mW/g

Maximum value of SAR (measured) = 0.570 mW/g



SAMSUNG FCC ID : A3LSGHA401 GSM1900 Head SAR

DUT: SGH-A401; Serial: FD-204-S

Program Name: SGH-A401 GSM1900 Right (Job No. : FD-204)

Procedure Name: Cheek/Touch, Ch.810, Ant.Fixed, Bat.Standard With BT ON

Meas.Ambient Temp-22.2 ; Meas.Tissue Temp(celsius)-21.8 ; Test Date-06/Nov/2006

Communication System: GSM 1900; Frequency: 1909.8 MHz; Duty Cycle: 1:8.3

Medium parameters used: $f = 1909.8$ MHz; $\sigma = 1.42$ mho/m; $\epsilon_r = 39.5$; $\rho = 1000$ kg/m³

Phantom section: Right Section

DASY4 Configuration:

- Probe: ES3DV2 - SN3017; ConvF(5.06, 5.06, 5.06); Calibrated: 2006-09-20
- 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

Cheek/Touch, Ch.810, Ant.Fixed, Bat.Standard With BT ON/Zoom Scan 2 (5x5x7)/Cube

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

Reference Value = 21.8 V/m; Power Drift = -0.077 dB

Peak SAR (extrapolated) = 2.13 W/kg

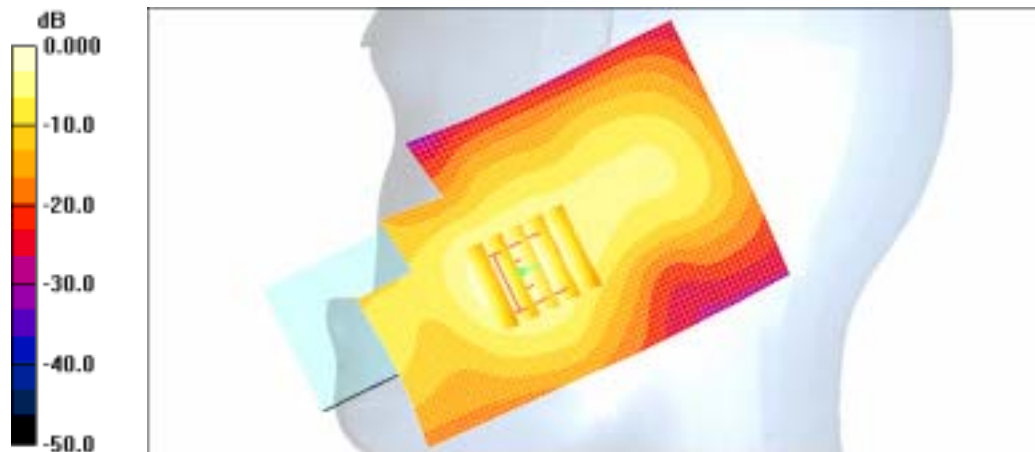
SAR(1 g) = 1.29 mW/g

Maximum value of SAR (measured) = 1.42 mW/g

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

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

Maximum value of SAR (interpolated) = 1.31 mW/g



0 dB = 1.31mW/g

SAMSUNG FCC ID : A3LSGHA401 GSM1900 Head SAR

DUT: SGH-A401; Serial: FD-204-S

Program Name: SGH-A401 GSM1900 Right (Job No. : FD-204)

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

Meas.Ambient Temp-22.2 ; Meas.Tissue Temp(celsius)-21.8 ; Test Date-06/Nov/2006

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

Medium parameters used: $f = 1880$ MHz; $\sigma = 1.42$ mho/m; $\epsilon_r = 39.5$; $\rho = 1000$ kg/m³

Phantom section: Right Section

DASY4 Configuration:

- Probe: ES3DV2 - SN3017; ConvF(5.06, 5.06, 5.06); Calibrated: 2006-09-20
- 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

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

dx=20mm, dy=20mm

Maximum value of SAR (interpolated) = 0.377 mW/g

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

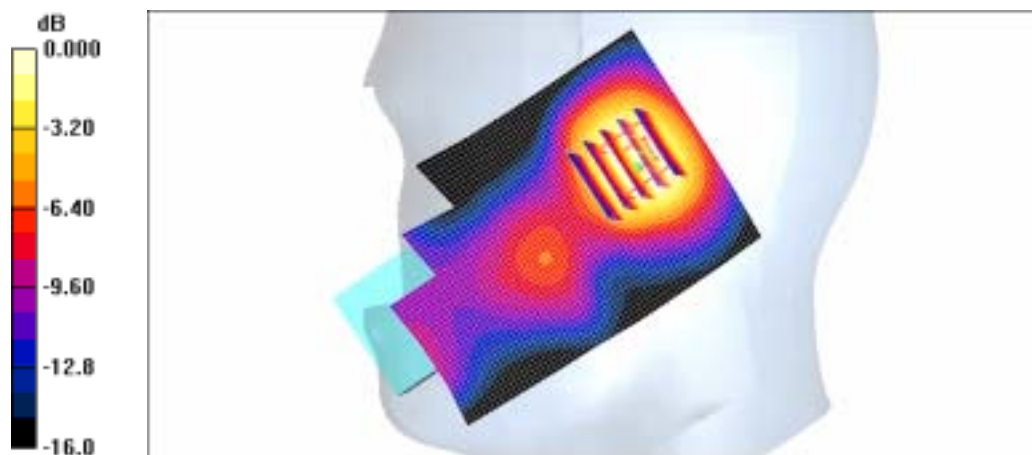
grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 11.4 V/m; Power Drift = 0.010 dB

Peak SAR (extrapolated) = 0.388 W/kg

SAR(1 g) = 0.271 mW/g

Maximum value of SAR (measured) = 0.280 mW/g



0 dB = 0.280mW/g

SAMSUNG FCC ID : A3LSGHA401 GSM1900 Head SAR

DUT: SGH-A401; Serial: FD-204-S

Program Name: SGH-A401 GSM1900 Left (Job No. : FD-204)

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

Meas.Ambient Temp-22.2 ; Meas.Tissue Temp(celsius)-21.8 ; Test Date-06/Nov/2006

Communication System: GSM 1900; Frequency: 1909.8 MHz; Duty Cycle: 1:8.3

Medium parameters used: $f = 1909.8 \text{ MHz}$; $\sigma = 1.42 \text{ mho/m}$; $\epsilon_r = 39.5$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Left Section

DASY4 Configuration:

- Probe: ES3DV2 - SN3017; ConvF(5.06, 5.06, 5.06); Calibrated: 2006-09-20
- 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

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

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

Reference Value = 26.9 V/m; Power Drift = 0.016 dB

Peak SAR (extrapolated) = 1.63 W/kg

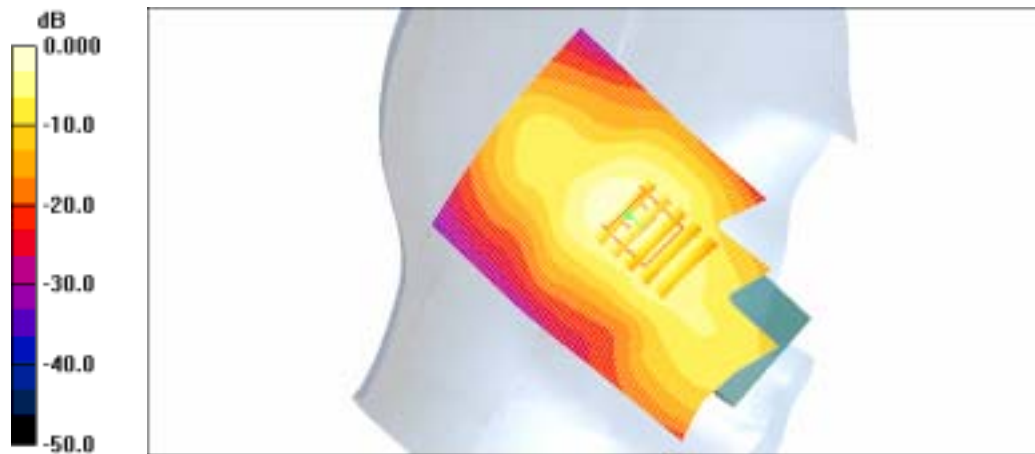
SAR(1 g) = 0.991 mW/g

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

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

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

Maximum value of SAR (interpolated) = 1.22 mW/g



0 dB = 1.22mW/g

SAMSUNG FCC ID : A3LSGHA401 GSM1900 Head SAR

DUT: SGH-A401; Serial: FD-204-S

Program Name: SGH-A401 GSM1900 Left (Job No. : FD-204)

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

Meas.Ambient Temp-22.2 ; Meas.Tissue Temp(celsius)-21.8 ; Test Date-06/Nov/2006

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

Medium parameters used: $f = 1880$ MHz; $\sigma = 1.42$ mho/m; $\epsilon_r = 39.5$; $\rho = 1000$ kg/m³

Phantom section: Left Section

DASY4 Configuration:

- Probe: ES3DV2 - SN3017; ConvF(5.06, 5.06, 5.06); Calibrated: 2006-09-20
- 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

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

Reference Value = 14.3 V/m; Power Drift = 0.024 dB

Peak SAR (extrapolated) = 0.444 W/kg

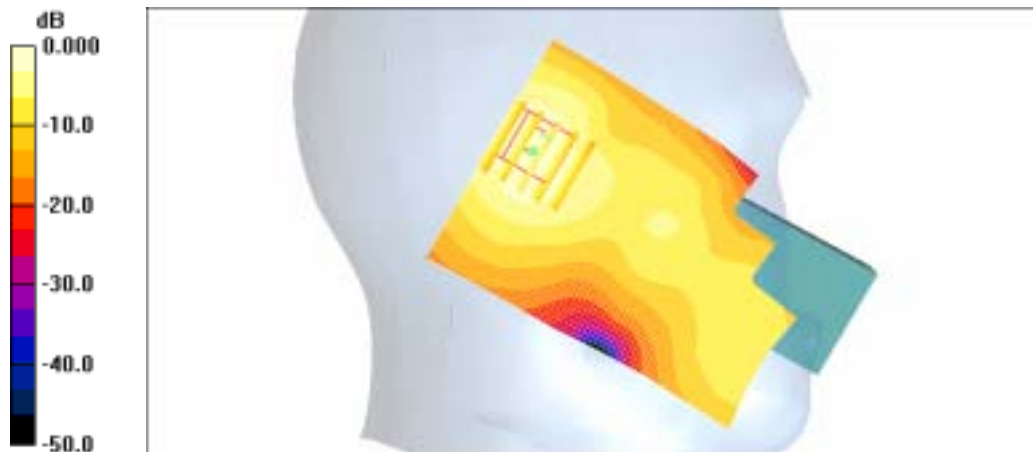
SAR(1 g) = 0.287 mW/g

Maximum value of SAR (measured) = 0.306 mW/g

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

dx=20mm, dy=20mm

Maximum value of SAR (interpolated) = 0.303 mW/g



0 dB = 0.303mW/g

SAMSUNG FCC ID : A3LSGHA401 GSM1900 Body SAR

DUT: SGH-A401(Body); Serial: FD-204-S

Program Name: SGH-A401 GSM1900 Body (Job No. : FD-204)

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

Meas.Ambient Temp-22.1 ; Meas.Tissue Temp(celsius)-21.8 ; Test Date-06/Nov/2006

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

Medium parameters used: $f = 1909.8$ MHz; $\sigma = 1.54$ mho/m; $\epsilon_r = 52.1$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY4 Configuration:

- Probe: ES3DV2 - SN3017; ConvF(4.57, 4.57, 4.57); Calibrated: 2006-09-20
- 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

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

dx=20mm, dy=20mm

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

Body, Ch.810, Ant.Fixed, Bat.Standard/Zoom Scan (5x5x7)/Cube 0: Measurement grid:

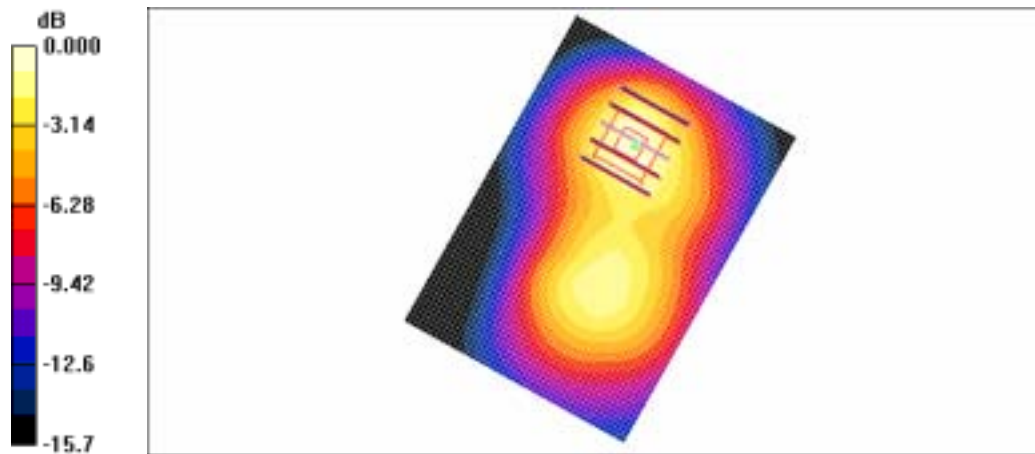
dx=8mm, dy=8mm, dz=5mm

Reference Value = 11.2 V/m; Power Drift = 0.181 dB

Peak SAR (extrapolated) = 0.470 W/kg

SAR(1 g) = 0.265 mW/g

Maximum value of SAR (measured) = 0.293 mW/g



0 dB = 0.293mW/g

SAMSUNG FCC ID : A3LSGHA401 GSM1900 Head SAR

DUT: SGH-A401; Serial: FD-204-S

Program Name: SGH-A401 GSM1900 Right (Job No. : FD-204)

Procedure Name: Cheek/Touch, Ch.810, Ant.Fixed, Bat.Standard With BT ON

Meas.Ambient Temp-22.2 ;Meas.Tissue Temp(celsius)-21.8 ; Test Date-06/Nov/2006

Communication System: GSM 1900; Frequency: 1909.8 MHz;Duty Cycle: 1:8.3

Medium parameters used: $f = 1909.8$ MHz; $\sigma = 1.42$ mho/m; $\epsilon_r = 39.5$; $\rho = 1000$ kg/m³

Phantom section: Right Section

DASY4 Configuration:

- Probe: ES3DV2 - SN3017; ConvF(5.06, 5.06, 5.06); Calibrated: 2006-09-20
- 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

Cheek/Touch, Ch.810, Ant.Fixed, Bat.Standard With BT ON/Zoom Scan 2 (5x5x7)/Cube

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

Reference Value = 21.8 V/m; Power Drift = -0.077 dB

Peak SAR (extrapolated) = 2.13 W/kg

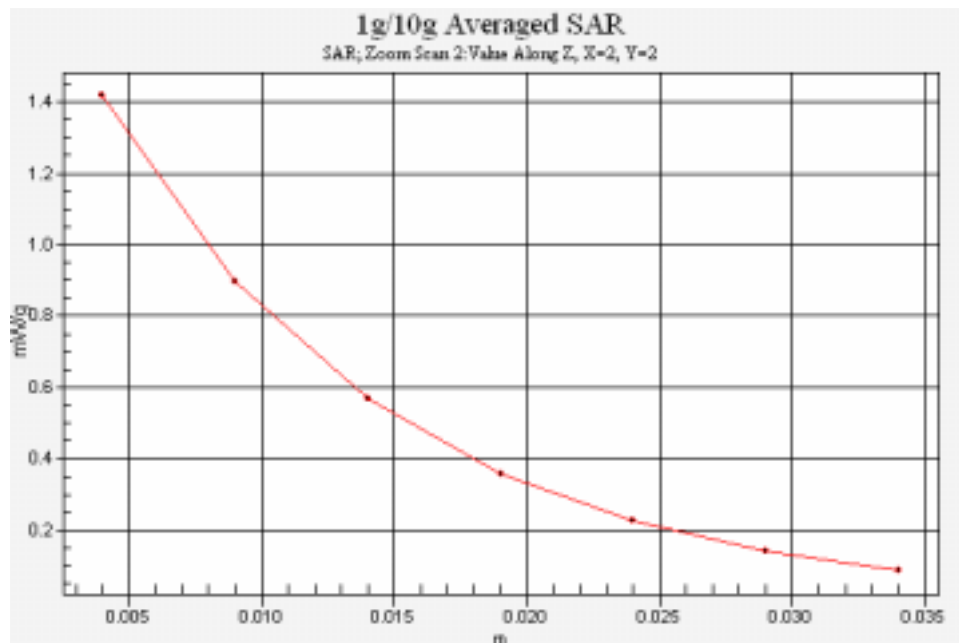
SAR(1 g) = 1.29 mW/g

Maximum value of SAR (measured) = 1.42 mW/g

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

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

Maximum value of SAR (interpolated) = 1.31 mW/g



SAMSUNG FCC ID : A3LSGHA401 GSM1900 Body SAR

DUT: SGH-A401(Body); Serial: FD-204-S

Program Name: SGH-A401 GSM1900 Body (Job No. : FD-204)

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

Meas.Ambient Temp-22.1 ;Meas.Tissue Temp(celsius)-21.8 ; Test Date-06/Nov/2006

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

Medium parameters used: $f = 1909.8$ MHz; $\sigma = 1.54$ mho/m; $\epsilon_r = 52.1$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY4 Configuration:

- Probe: ES3DV2 - SN3017; ConvF(4.57, 4.57, 4.57); Calibrated: 2006-09-20
- 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

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

dx=20mm, dy=20mm

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

Body, Ch.810, Ant.Fixed, Bat.Standard/Zoom Scan (5x5x7)/Cube 0: Measurement grid:

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

Reference Value = 11.2 V/m; Power Drift = 0.181 dB

Peak SAR (extrapolated) = 0.470 W/kg

SAR(1 g) = 0.265 mW/g

Maximum value of SAR (measured) = 0.293 mW/g

