

SAMSUNG FCC ID : A3LSGHA437 GSM850 Head SAR

DUT: SGH-A437; Serial: FD-248-I

Program Name: SGH-A437 GSM850 Right(Job No. :FD-248)

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

Meas.Tissue Temp(celsius)-21.5, Ambient Temp-21.7;Test Date-12/Jan/2007

Communication System: GSM850; Frequency: 836.6 MHz;Duty Cycle: 1:8.3

Medium parameters used: $f = 836.6$ MHz; $\sigma = 0.9$ mho/m; $\epsilon_r = 40.7$; $\rho = 1000$ kg/m³

Phantom section: Right Section

DASY4 Configuration:

- Probe: EX3DV4 - SN3537; ConvF(9.48, 9.48, 9.48); Calibrated: 2006-11-23
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn486; Calibrated: 2006-07-17
- Phantom: SAM PHANTOM #2; Type: SAM; Serial: TP-1248
- Measurement SW: DASY4, V4.7 Build 53; Postprocessing SW: SEMCAD, V1.8 Build 172

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

Maximum value of SAR (interpolated) = 0.553 mW/g

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

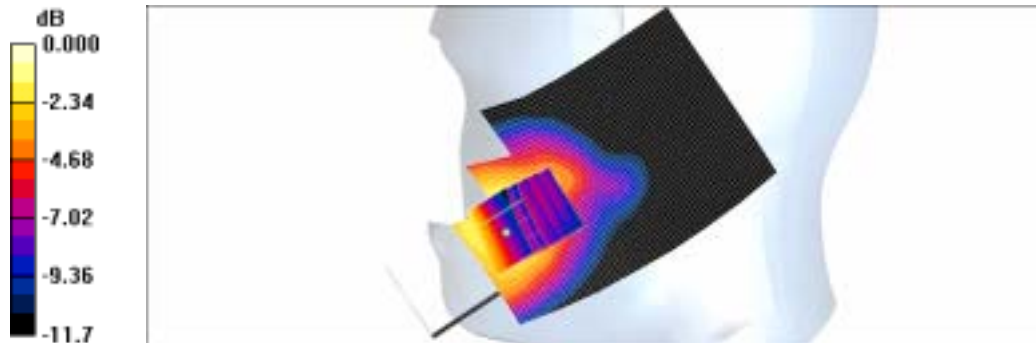
Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 10.5 V/m; Power Drift = 0.094 dB

Peak SAR (extrapolated) = 0.825 W/kg

SAR(1 g) = 0.567 mW/g

Maximum value of SAR (measured) = 0.600 mW/g



0 dB = 0.600mW/g

SAMSUNG FCC ID : A3LSGHA437 GSM850 Head SAR

DUT: SGH-A437; Serial: FD-248-I

Program Name: SGH-A437 GSM850 Right(Job No. :FD-248)

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

Meas.Tissue Temp(celsius)-21.5, Ambient Temp-21.7;Test Date-12/Jan/2007

Communication System: GSM850; Frequency: 836.6 MHz;Duty Cycle: 1:8.3

Medium parameters used: $f = 836.6$ MHz; $\sigma = 0.9$ mho/m; $\epsilon_r = 40.7$; $\rho = 1000$ kg/m³

Phantom section: Right Section

DASY4 Configuration:

- Probe: EX3DV4 - SN3537; ConvF(9.48, 9.48, 9.48); Calibrated: 2006-11-23
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn486; Calibrated: 2006-07-17
- Phantom: SAM PHANTOM #2; Type: SAM; Serial: TP-1248
- Measurement SW: DASY4, V4.7 Build 53; Postprocessing SW: SEMCAD, V1.8 Build 172

Ear/Tilt, Ch.190, 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 = -0.047 dB

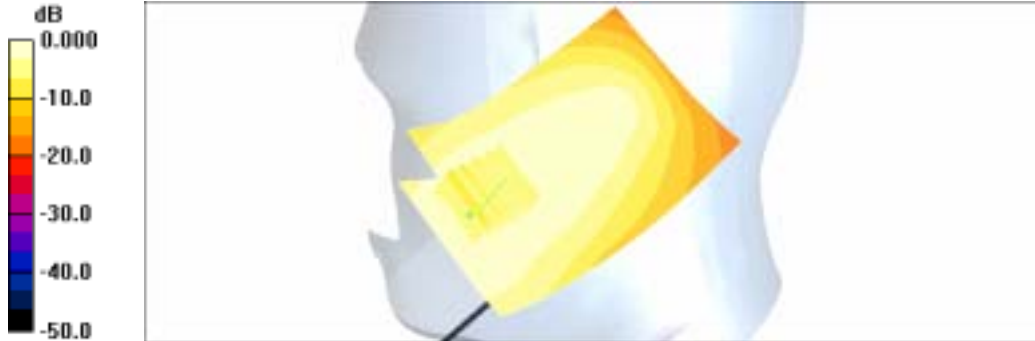
Peak SAR (extrapolated) = 0.098 W/kg

SAR(1 g) = 0.075 mW/g

Maximum value of SAR (measured) = 0.077 mW/g

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

Maximum value of SAR (interpolated) = 0.077 mW/g



0 dB = 0.077mW/g

SAMSUNG FCC ID : A3LSGHA437 GSM850 Head SAR

DUT: SGH-A437; Serial: FD-248-I

Program Name: SGH-A437 GSM850 Left (Job No. : FD-248)

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

Meas.Tissue Temp(celsius)-21.5, Ambient Temp-21.7;Test Date-12/Jan/2007

Communication System: GSM850; Frequency: 848.8 MHz;Duty Cycle: 1:8.3

Medium parameters used: $f = 848.8$ MHz; $\sigma = 0.9$ mho/m; $\epsilon_r = 40.7$; $\rho = 1000$ kg/m³

Phantom section: Left Section

DASY4 Configuration:

- Probe: EX3DV4 - SN3537; ConvF(9.48, 9.48, 9.48); Calibrated: 2006-11-23
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn486; Calibrated: 2006-07-17
- Phantom: SAM PHANTOM #2; Type: SAM; Serial: TP-1248
- Measurement SW: DASY4, V4.7 Build 53; Postprocessing SW: SEMCAD, V1.8 Build 172

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

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

Reference Value = 10.00 V/m; Power Drift = 0.041 dB

Peak SAR (extrapolated) = 1.16 W/kg

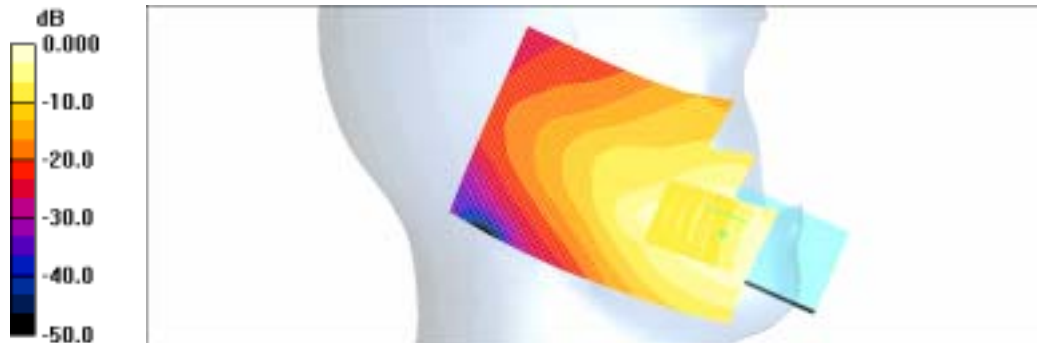
SAR(1 g) = 0.721 mW/g

Maximum value of SAR (measured) = 0.797 mW/g

Cheek/Touch, Ch.251, Ant.Intenna, Bat.Standard/Area Scan (51x71x1): Measurement

grid: dx=20mm, dy=20mm

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



0 dB = 0.712mW/g

SAMSUNG FCC ID : A3LSGHA437 GSM850 Head SAR

DUT: SGH-A437; Serial: FD-248-I

Program Name: SGH-A437 GSM850 Left (Job No. : FD-248)

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

Meas.Tissue Temp(celsius)-21.5, Ambient Temp-21.7;Test Date-12/Jan/2007

Communication System: GSM850; Frequency: 836.6 MHz;Duty Cycle: 1:8.3

Medium parameters used: $f = 836.6$ MHz; $\sigma = 0.9$ mho/m; $\epsilon_r = 40.7$; $\rho = 1000$ kg/m³

Phantom section: Left Section

DASY4 Configuration:

- Probe: EX3DV4 - SN3537; ConvF(9.48, 9.48, 9.48); Calibrated: 2006-11-23
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn486; Calibrated: 2006-07-17
- Phantom: SAM PHANTOM #2; Type: SAM; Serial: TP-1248
- Measurement SW: DASY4, V4.7 Build 53; Postprocessing SW: SEMCAD, V1.8 Build 172

Ear/Tilt, Ch.190, Ant.Intenna, Bat.Standard/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 8.16 V/m; Power Drift = 0.129 dB

Peak SAR (extrapolated) = 0.093 W/kg

SAR(1 g) = 0.071 mW/g

Maximum value of SAR (measured) = 0.075 mW/g

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

Maximum value of SAR (interpolated) = 0.076 mW/g



0 dB = 0.076mW/g

SAMSUNG FCC ID : A3LSGHA437 GPRS850 Body SAR

DUT: SGH-A437(Body); Serial: FD-248-I

Program Name: SGH-A437 GSM850 Body (Job No. : FD-248)

Procedure Name: Body, Ch.251, Ant.Intenna, Bat.Standard

Meas.Tissue Temp(celsius)-21.5, Ambient Temp-21.8;Test Date-12/Jan/2007

Communication System: GSM 850 (GPRS); Frequency: 848.8 MHz;Duty Cycle: 1:4.15

Medium parameters used: $f = 848.8$ MHz; $\sigma = 0.99$ mho/m; $\epsilon_r = 54.5$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY4 Configuration:

- Probe: EX3DV4 - SN3537; ConvF(9.78, 9.78, 9.78); Calibrated: 2006-11-23
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn486; Calibrated: 2006-07-17
- Phantom: SAM PHANTOM #2; Type: SAM; Serial: TP-1248
- Measurement SW: DASY4, V4.7 Build 53; Postprocessing SW: SEMCAD, V1.8 Build 172

Body, Ch.251, Ant.Intenna, Bat.Standard/Area Scan (51x71x1): Measurement grid:

dx=20mm, dy=20mm

Maximum value of SAR (interpolated) = 1.34 mW/g

Body, Ch.251, Ant.Intenna, Bat.Standard/Zoom Scan (5x5x7)/Cube 0: Measurement grid:

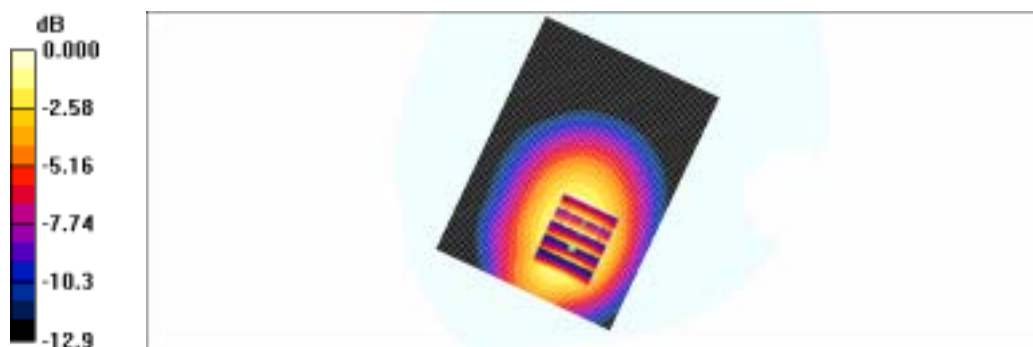
dx=8mm, dy=8mm, dz=5mm

Reference Value = 8.00 V/m; Power Drift = -0.068 dB

Peak SAR (extrapolated) = 1.90 W/kg

SAR(1 g) = 1.24 mW/g

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



0 dB = 1.33mW/g

SAMSUNG FCC ID : A3LSGHA437 GSM850 Head SAR

DUT: SGH-A437; Serial: FD-248-I

Program Name: SGH-A437 GSM850 Left (Job No. : FD-248)

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

Meas.Tissue Temp(celsius)-21.5, Ambient Temp-21.7;Test Date-12/Jan/2007

Communication System: GSM850; Frequency: 848.8 MHz;Duty Cycle: 1:8.3

Medium parameters used: $f = 848.8$ MHz; $\sigma = 0.9$ mho/m; $\epsilon_r = 40.7$; $\rho = 1000$ kg/m³

Phantom section: Left Section

DASY4 Configuration:

- Probe: EX3DV4 - SN3537; ConvF(9.48, 9.48, 9.48); Calibrated: 2006-11-23
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn486; Calibrated: 2006-07-17
- Phantom: SAM PHANTOM #2; Type: SAM; Serial: TP-1248
- Measurement SW: DASY4, V4.7 Build 53; Postprocessing SW: SEMCAD, V1.8 Build 172

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

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

Reference Value = 10.00 V/m; Power Drift = 0.041 dB

Peak SAR (extrapolated) = 1.16 W/kg

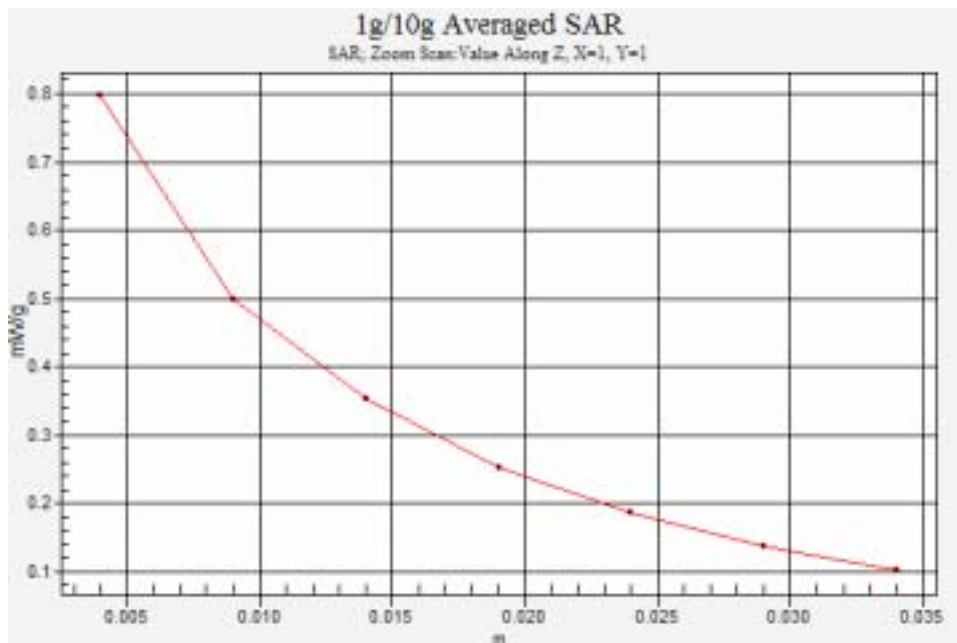
SAR(1 g) = 0.721 mW/g

Maximum value of SAR (measured) = 0.797 mW/g

Cheek/Touch, Ch.251, Ant.Intenna, Bat.Standard/Area Scan (51x71x1): Measurement

grid: dx=20mm, dy=20mm

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



SAMSUNG FCC ID : A3LSGHA437 GPRS850 Body SAR

DUT: SGH-A437(Body); Serial: FD-248-I

Program Name: SGH-A437 GSM850 Body (Job No. : FD-248)

Procedure Name: Body, Ch.251, Ant.Intenna, Bat.Standard

Meas.Tissue Temp(celsius)-21.5, Ambient Temp-21.8;Test Date-12/Jan/2007

Communication System: GSM 850 (GPRS); Frequency: 848.8 MHz;Duty Cycle: 1:4.15

Medium parameters used: $f = 848.8$ MHz; $\sigma = 0.99$ mho/m; $\epsilon_r = 54.5$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY4 Configuration:

- Probe: EX3DV4 - SN3537; ConvF(9.78, 9.78, 9.78); Calibrated: 2006-11-23
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn486; Calibrated: 2006-07-17
- Phantom: SAM PHANTOM #2; Type: SAM; Serial: TP-1248
- Measurement SW: DASY4, V4.7 Build 53; Postprocessing SW: SEMCAD, V1.8 Build 172

Body, Ch.251, Ant.Intenna, Bat.Standard/Area Scan (51x71x1): Measurement grid:

dx=20mm, dy=20mm

Maximum value of SAR (interpolated) = 1.34 mW/g

Body, Ch.251, Ant.Intenna, Bat.Standard/Zoom Scan (5x5x7)/Cube 0: Measurement grid:

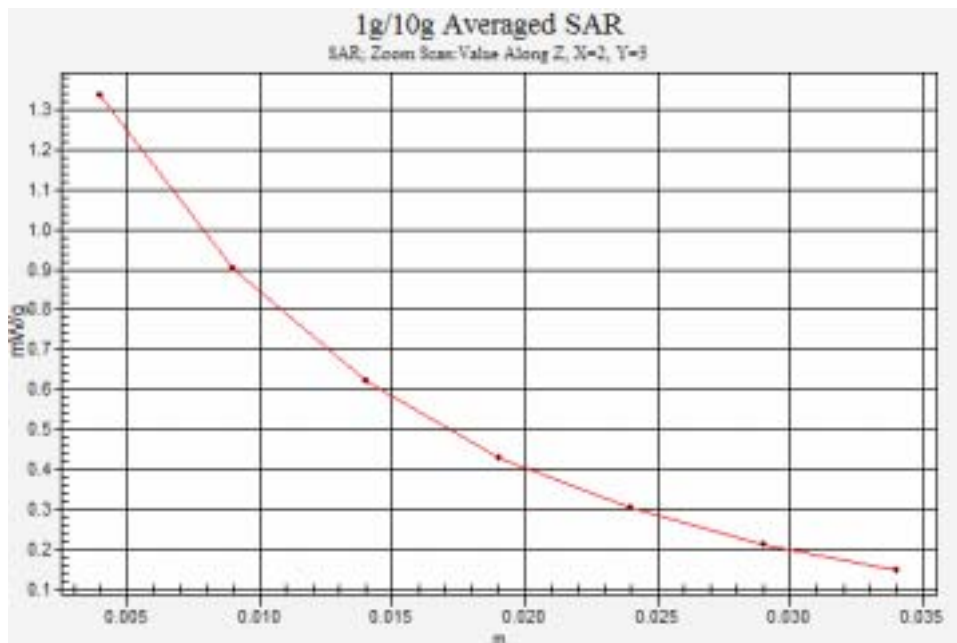
dx=8mm, dy=8mm, dz=5mm

Reference Value = 8.00 V/m; Power Drift = -0.068 dB

Peak SAR (extrapolated) = 1.90 W/kg

SAR(1 g) = 1.24 mW/g

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



SAMSUNG FCC ID : A3LSGHA437 GSM1900 Head SAR

DUT: SGH-A437; Serial: FD-248-I

Program Name: SGH-A437 GSM1900 Right (Job No. : FD-248)

Procedure Name: Cheek/Touch, Ch.661, Ant.Intenna, Bat.Standard

Meas.Tissue Temp(celsius)-21.6, Ambient Temp-21.8;Test Date-12/Jan/2007

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

Medium parameters used: $f = 1880$ MHz; $\sigma = 1.36$ mho/m; $\epsilon_r = 39.2$; $\rho = 1000$ kg/m³

Phantom section: Right Section

DASY4 Configuration:

- Probe: EX3DV4 - SN3537; ConvF(8.32, 8.32, 8.32); Calibrated: 2006-11-23
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn486; Calibrated: 2006-07-17
- Phantom: SAM PHANTOM #1; Type: SAM; Serial: TP-1247
- Measurement SW: DASY4, V4.7 Build 53; Postprocessing SW: SEMCAD, V1.8 Build 172

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

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

Reference Value = 7.76 V/m; Power Drift = -0.156 dB

Peak SAR (extrapolated) = 1.74 W/kg

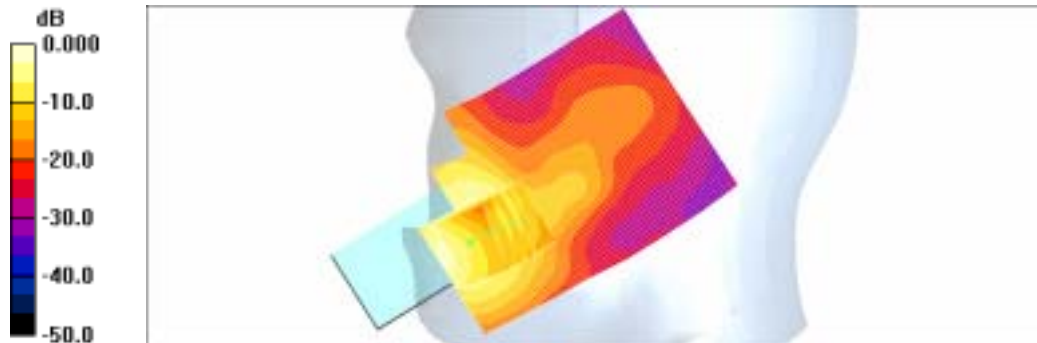
SAR(1 g) = 1.11 mW/g

Maximum value of SAR (measured) = 1.19 mW/g

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

grid: dx=20mm, dy=20mm

Maximum value of SAR (interpolated) = 1.28 mW/g



0 dB = 1.28mW/g

SAMSUNG FCC ID : A3LSGHA437 GSM1900 Head SAR

DUT: SGH-A437; Serial: FD-248-I

Program Name: SGH-A437 GSM1900 Right (Job No. : FD-248)

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

Meas.Tissue Temp(celsius)-21.6, Ambient Temp-21.8;Test Date-12/Jan/2007

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

Medium parameters used: $f = 1880$ MHz; $\sigma = 1.36$ mho/m; $\epsilon_r = 39.2$; $\rho = 1000$ kg/m³

Phantom section: Right Section

DASY4 Configuration:

- Probe: EX3DV4 - SN3537; ConvF(8.32, 8.32, 8.32); Calibrated: 2006-11-23
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn486; Calibrated: 2006-07-17
- Phantom: SAM PHANTOM #1; Type: SAM; Serial: TP-1247
- Measurement SW: DASY4, V4.7 Build 53; Postprocessing SW: SEMCAD, V1.8 Build 172

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

Maximum value of SAR (interpolated) = 0.090 mW/g

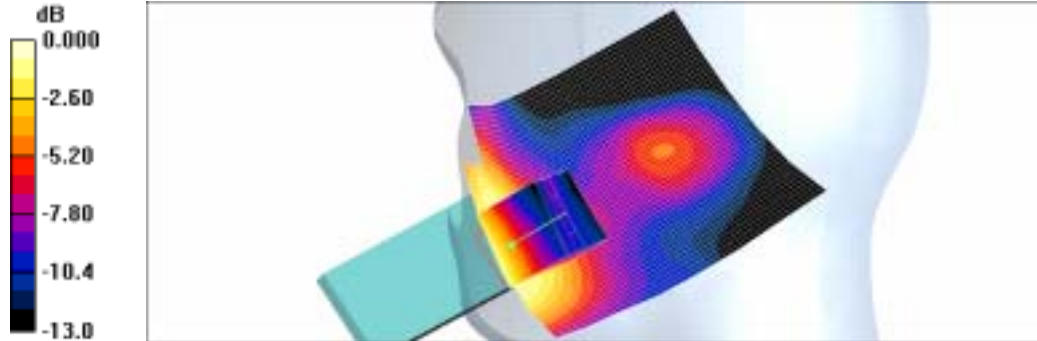
Ear/Tilt, Ch.661, Ant.Intenna, Bat.Standard/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 3.61 V/m; Power Drift = -0.059 dB

Peak SAR (extrapolated) = 0.122 W/kg

SAR(1 g) = 0.085 mW/g

Maximum value of SAR (measured) = 0.091 mW/g



0 dB = 0.091mW/g

SAMSUNG FCC ID : A3LSGHA437 GSM1900 Head SAR

DUT: SGH-A437; Serial: FD-248-I

Program Name: SGH-A437 GSM1900 Left (Job No. : FD-248)

Procedure Name: Cheek/Touch, Ch.661, Ant.Intenna, Bat.Standard

Meas.Tissue Temp(celsius)-21.6, Ambient Temp-21.8;Test Date-12/Jan/2007

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

Medium parameters used: $f = 1880$ MHz; $\sigma = 1.36$ mho/m; $\epsilon_r = 39.2$; $\rho = 1000$ kg/m³

Phantom section: Left Section

DASY4 Configuration:

- Probe: EX3DV4 - SN3537; ConvF(8.32, 8.32, 8.32); Calibrated: 2006-11-23
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn486; Calibrated: 2006-07-17
- Phantom: SAM PHANTOM #2; Type: SAM; Serial: TP-1248
- Measurement SW: DASY4, V4.7 Build 53; Postprocessing SW: SEMCAD, V1.8 Build 172

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

Maximum value of SAR (interpolated) = 0.746 mW/g

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

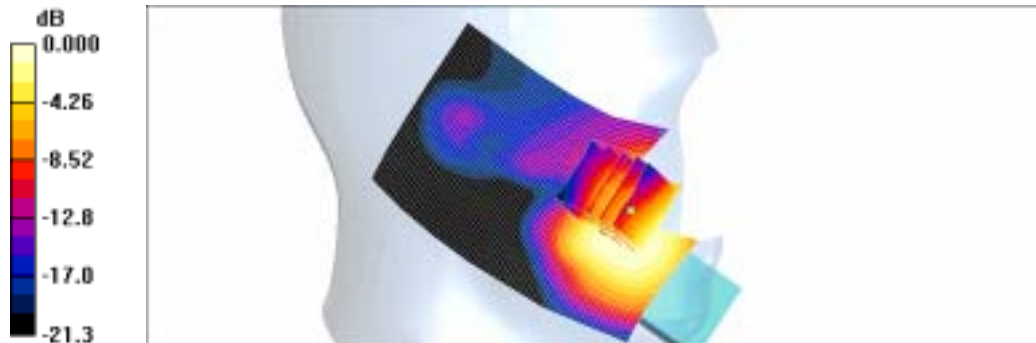
Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 2.73 V/m; Power Drift = -0.011 dB

Peak SAR (extrapolated) = 0.733 W/kg

SAR(1 g) = 0.568 mW/g

Maximum value of SAR (measured) = 0.599 mW/g



0 dB = 0.599mW/g

SAMSUNG FCC ID : A3LSGHA437 GSM1900 Head SAR

DUT: SGH-A437; Serial: FD-248-I

Program Name: SGH-A437 GSM1900 Left (Job No. : FD-248)

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

Meas.Tissue Temp(celsius)-21.6, Ambient Temp-21.8;Test Date-12/Jan/2007

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

Medium parameters used: $f = 1880$ MHz; $\sigma = 1.36$ mho/m; $\epsilon_r = 39.2$; $\rho = 1000$ kg/m³

Phantom section: Left Section

DASY4 Configuration:

- Probe: EX3DV4 - SN3537; ConvF(8.32, 8.32, 8.32); Calibrated: 2006-11-23
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn486; Calibrated: 2006-07-17
- Phantom: SAM PHANTOM #2; Type: SAM; Serial: TP-1248
- Measurement SW: DASY4, V4.7 Build 53; Postprocessing SW: SEMCAD, V1.8 Build 172

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

Reference Value = 3.82 V/m; Power Drift = -0.157 dB

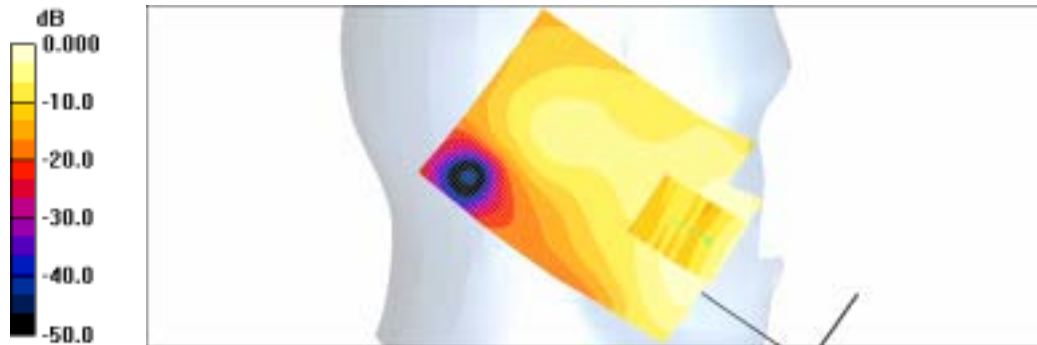
Peak SAR (extrapolated) = 0.095 W/kg

SAR(1 g) = 0.067 mW/g

Maximum value of SAR (measured) = 0.071 mW/g

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

Maximum value of SAR (interpolated) = 0.079 mW/g



0 dB = 0.079mW/g

SAMSUNG FCC ID : A3LSGHA437 GPRS1900 Body SAR

DUT: SGH-A437(Body); Serial: FD-248-I

Program Name: SGH-A437 GPRS1900 Body (Job No. : FD-248)

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

Meas.Tissue Temp(celsius)-22.0, Ambient Temp-22.3;Test Date-12/Jan/2007

Communication System: GSM1900 GPRS; Frequency: 1850.2 MHz;Duty Cycle: 1:4.15

Medium parameters used: $f = 1850.2$ MHz; $\sigma = 1.52$ mho/m; $\epsilon_r = 51.5$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY4 Configuration:

- Probe: EX3DV4 - SN3537; ConvF(7.86, 7.86, 7.86); Calibrated: 2006-11-23
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn486; Calibrated: 2006-07-17
- Phantom: SAM PHANTOM #2; Type: SAM; Serial: TP-1248
- Measurement SW: DASY4, V4.7 Build 53; Postprocessing SW: SEMCAD, V1.8 Build 172

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

Reference Value = 9.57 V/m; Power Drift = -0.042 dB

Peak SAR (extrapolated) = 1.27 W/kg

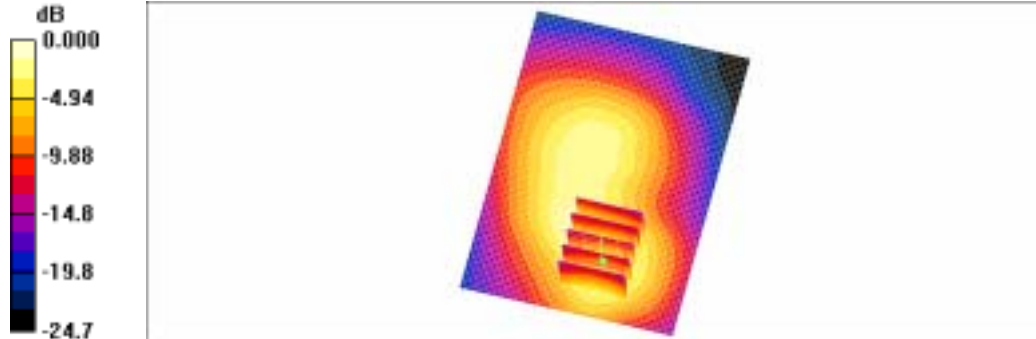
SAR(1 g) = 0.765 mW/g

Maximum value of SAR (measured) = 0.806 mW/g

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

dx=20mm, dy=20mm

Maximum value of SAR (interpolated) = 0.961 mW/g



0 dB = 0.961mW/g

SAMSUNG FCC ID : A3LSGHA437 GSM1900 Head SAR

DUT: SGH-A437; Serial: FD-248-I

Program Name: SGH-A437 GSM1900 Right (Job No. : FD-248)

Procedure Name: Cheek/Touch, Ch.661, Ant.Intenna, Bat.Standard

Meas.Tissue Temp(celsius)-21.6, Ambient Temp-21.8;Test Date-12/Jan/2007

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

Medium parameters used: $f = 1880$ MHz; $\sigma = 1.36$ mho/m; $\epsilon_r = 39.2$; $\rho = 1000$ kg/m³

Phantom section: Right Section

DASY4 Configuration:

- Probe: EX3DV4 - SN3537; ConvF(8.32, 8.32, 8.32); Calibrated: 2006-11-23
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn486; Calibrated: 2006-07-17
- Phantom: SAM PHANTOM #1; Type: SAM; Serial: TP-1247
- Measurement SW: DASY4, V4.7 Build 53; Postprocessing SW: SEMCAD, V1.8 Build 172

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

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

Reference Value = 7.76 V/m; Power Drift = -0.156 dB

Peak SAR (extrapolated) = 1.74 W/kg

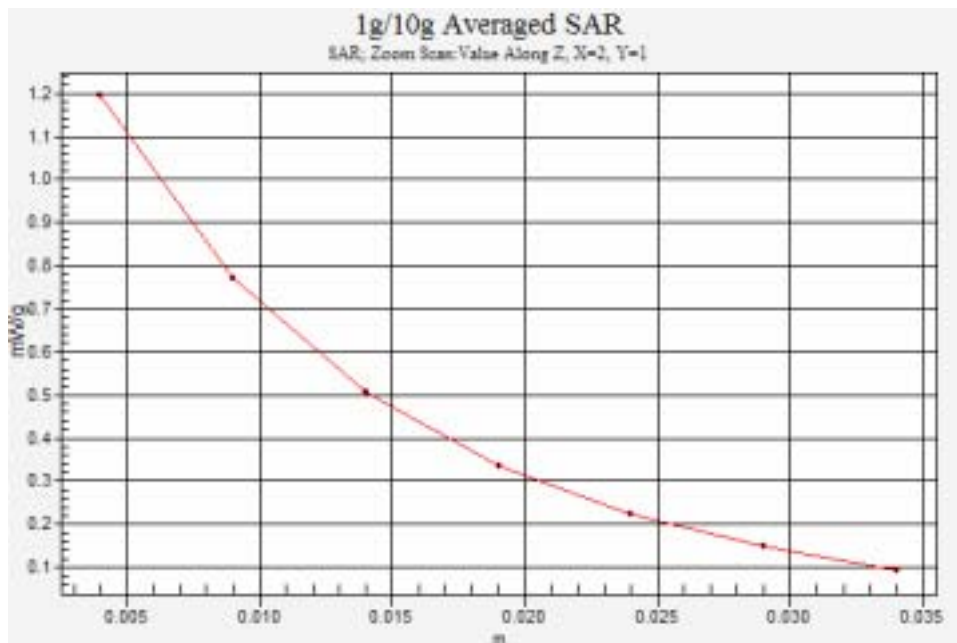
SAR(1 g) = 1.11 mW/g

Maximum value of SAR (measured) = 1.19 mW/g

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

grid: dx=20mm, dy=20mm

Maximum value of SAR (interpolated) = 1.28 mW/g



SAMSUNG FCC ID : A3LSGHA437 GPRS1900 Body SAR

DUT: SGH-A437(Body); Serial: FD-248-I

Program Name: SGH-A437 GPRS1900 Body (Job No. : FD-248)

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

Meas.Tissue Temp(celsius)-22.0, Ambient Temp-22.3;Test Date-12/Jan/2007

Communication System: GSM1900 GPRS; Frequency: 1850.2 MHz;Duty Cycle: 1:4.15

Medium parameters used: $f = 1850.2$ MHz; $\sigma = 1.52$ mho/m; $\epsilon_r = 51.5$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY4 Configuration:

- Probe: EX3DV4 - SN3537; ConvF(7.86, 7.86, 7.86); Calibrated: 2006-11-23
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn486; Calibrated: 2006-07-17
- Phantom: SAM PHANTOM #2; Type: SAM; Serial: TP-1248
- Measurement SW: DASY4, V4.7 Build 53; Postprocessing SW: SEMCAD, V1.8 Build 172

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

Reference Value = 9.57 V/m; Power Drift = -0.042 dB

Peak SAR (extrapolated) = 1.27 W/kg

SAR(1 g) = 0.765 mW/g

Maximum value of SAR (measured) = 0.806 mW/g

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

dx=20mm, dy=20mm

Maximum value of SAR (interpolated) = 0.961 mW/g

