

SAMSUNG FCC ID : A3LSGHX638 1900MHz GSM1900 Head SAR

DUT: SGH-X638; Serial: FD-061-C

Program Name: SGH-X638 GSM1900 Right (Job No. : FD-061)

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

Procedure Notes: Meas. Ambient Temp(celsius)-22.1, Tissue Temp(celsius)-22.0; Test Date-18/Apr/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; $\sigma = 1.41$ mho/m; $\epsilon_r = 39.6$; $\rho = 1000$ kg/m³

Phantom section: Right Section

DASY4 Configuration:

- Probe: ES3DV2 - SN3017; ConvF(5.02, 5.02, 5.02); Calibrated: 2005-09-20
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn670; Calibrated: 2006-03-21
- Phantom: PHANTOM #2; Type: SAM; Serial: TP-1141
- 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 = 18.1 V/m; Power Drift = 0.038 dB

Peak SAR (extrapolated) = 1.42 W/kg

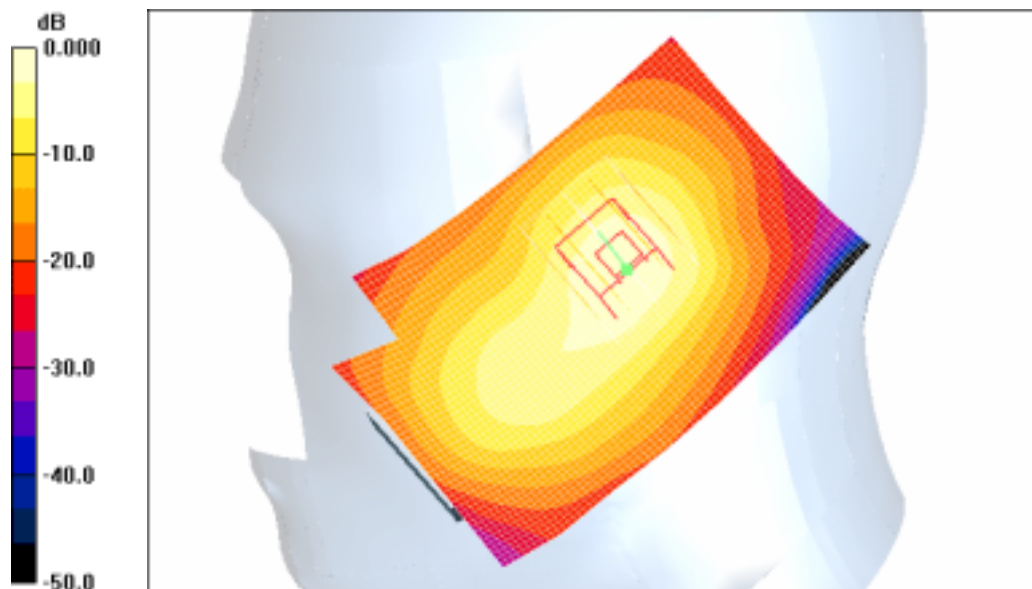
SAR(1 g) = 0.854 mW/g; SAR(10 g) = 0.475 mW/g

Maximum value of SAR (measured) = 0.925 mW/g

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

grid: dx=20mm, dy=20mm

Maximum value of SAR (interpolated) = 0.921 mW/g



0 dB = 0.921mW/g

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DUT: SGH-X638; Serial: FD-061-C

Program Name: SGH-X638 GSM1900 Right (Job No. : FD-061)

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

Procedure Notes: Meas. Ambient Temp(celsius)-22.1, Tissue Temp(celsius)-22.0; Test Date-18/Apr/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; $\sigma = 1.41$ mho/m; $\epsilon_r = 39.6$; $\rho = 1000$ kg/m³

Phantom section: Right Section

DASY4 Configuration:

- Probe: ES3DV2 - SN3017; ConvF(5.02, 5.02, 5.02); Calibrated: 2005-09-20
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn670; Calibrated: 2006-03-21
- Phantom: PHANTOM #2; Type: SAM; Serial: TP-1141
- Measurement SW: DASY4, V4.6 Build 23; Postprocessing SW: SEMCAD, V1.8 Build 160

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

Reference Value = 20.6 V/m; Power Drift = 0.033 dB

Peak SAR (extrapolated) = 1.53 W/kg

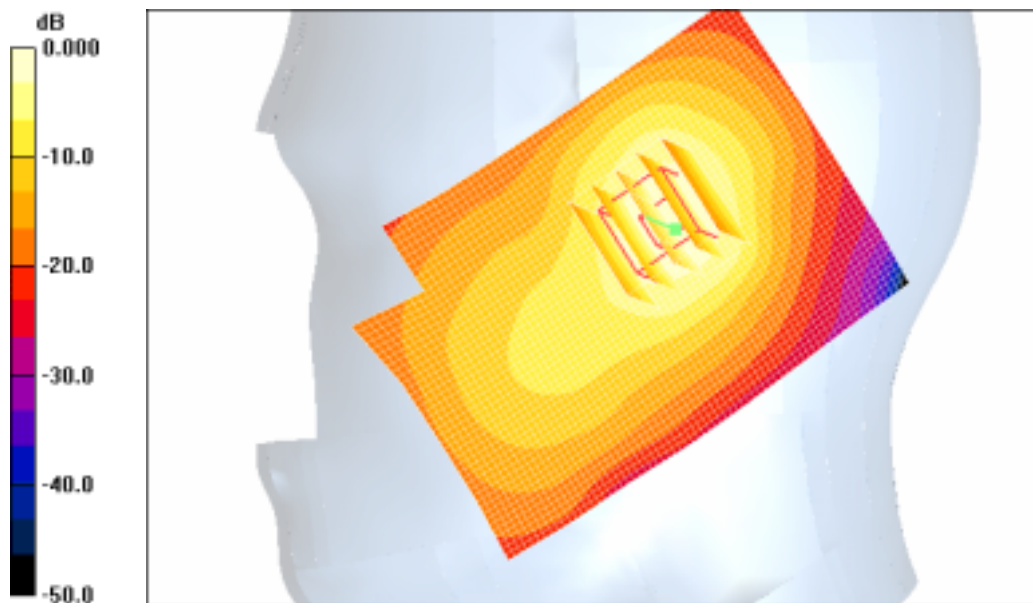
SAR(1 g) = 0.894 mW/g

Maximum value of SAR (measured) = 0.983 mW/g

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

dx=20mm, dy=20mm

Maximum value of SAR (interpolated) = 0.958 mW/g



0 dB = 0.958mW/g

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DUT: SGH-X638; Serial: FD-061-C

Program Name: SGH-X638 GSM1900 Left (Job No. : FD-061)

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

Procedure Notes: Meas. Ambient Temp(celsius)-22.1, Tissue Temp(celsius)-22.0; Test Date-18/Apr/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; $\sigma = 1.41$ mho/m; $\epsilon_r = 39.6$; $\rho = 1000$ kg/m³

Phantom section: Left Section

DASY4 Configuration:

- Probe: ES3DV2 - SN3017; ConvF(5.02, 5.02, 5.02); Calibrated: 2005-09-20
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn670; Calibrated: 2006-03-21
- Phantom: PHANTOM #2; Type: SAM; Serial: TP-1141
- Measurement SW: DASY4, V4.6 Build 23; Postprocessing SW: SEMCAD, V1.8 Build 160

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

Maximum value of SAR (interpolated) = 1.39 mW/g

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

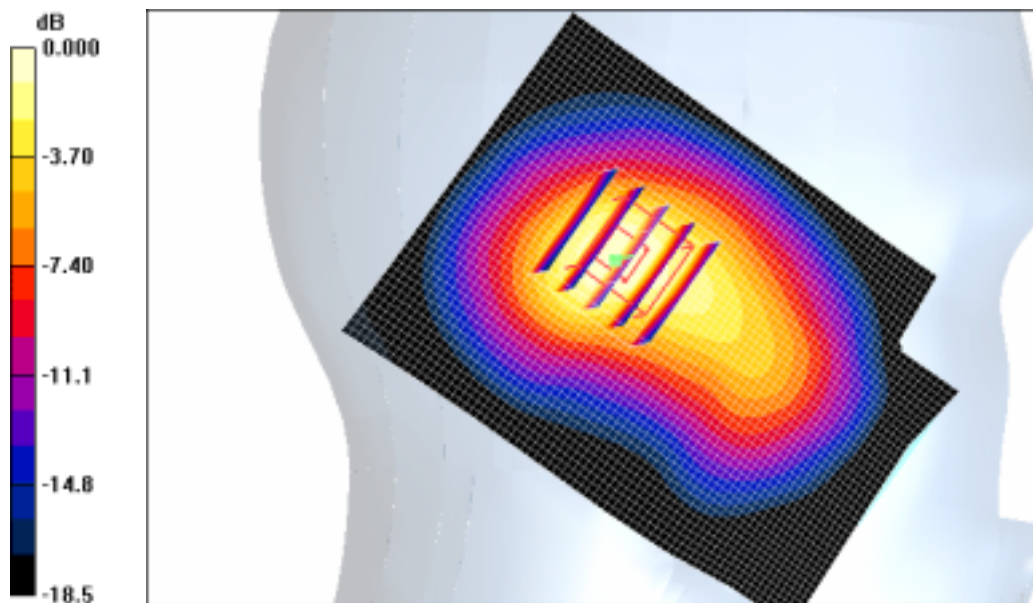
Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 28.8 V/m; Power Drift = 0.040 dB

Peak SAR (extrapolated) = 1.80 W/kg

SAR(1 g) = 1.14 mW/g

Maximum value of SAR (measured) = 1.24 mW/g



0 dB = 1.24mW/g

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DUT: SGH-X638; Serial: FD-061-C

Program Name: SGH-X638 GSM1900 Left (Job No. : FD-061)

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

Procedure Notes: Meas. Ambient Temp(celsius)-22.1, Tissue Temp(celsius)-22.0; Test Date-18/Apr/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; $\sigma = 1.41$ mho/m; $\epsilon_r = 39.6$; $\rho = 1000$ kg/m³

Phantom section: Left Section

DASY4 Configuration:

- Probe: ES3DV2 - SN3017; ConvF(5.02, 5.02, 5.02); Calibrated: 2005-09-20
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn670; Calibrated: 2006-03-21
- Phantom: PHANTOM #2; Type: SAM; Serial: TP-1141
- Measurement SW: DASY4, V4.6 Build 23; Postprocessing SW: SEMCAD, V1.8 Build 160

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

Reference Value = 26.8 V/m; Power Drift = 0.049 dB

Peak SAR (extrapolated) = 1.49 W/kg

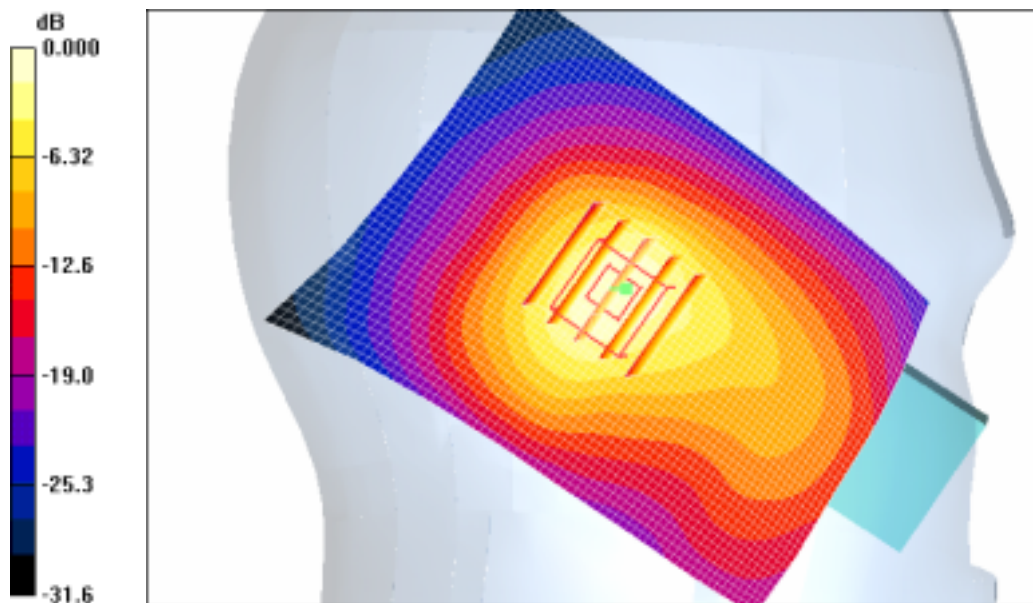
SAR(1 g) = 0.890 mW/g

Maximum value of SAR (measured) = 0.974 mW/g

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

dx=20mm, dy=20mm

Maximum value of SAR (interpolated) = 1.04 mW/g



0 dB = 1.04mW/g

SAMSUNG FCC ID : A3LSGHX638 1900MHz GPRS Body SAR

DUT: SGH-X638; Serial: FD-061-C

Program Name: SGH-X638 GSM1900 Body (Job No. : FD-061)

Procedure Name: Body, Ch.661, Ant.Intenna, Bat.Standard

Procedure Notes: Meas. Ambient Temp(celsius)-22.1, Tissue Temp(celsius)-22.0; Test Date-18/Apr/2006 [OET Bulletin 65-Supplement C, July 2001]

Communication System: GSM1900 GPRS; Frequency: 1880 MHz;Duty Cycle: 1:4.15

Medium parameters used: $f = 1880$ MHz; $\sigma = 1.53$ mho/m; $\epsilon_r = 52$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY4 Configuration:

- Probe: ES3DV2 - SN3017; ConvF(4.47, 4.47, 4.47); Calibrated: 2005-09-20
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn670; Calibrated: 2006-03-21
- Phantom: PHANTOM #1; Type: SAM; Serial: TP-1143
- Measurement SW: DASY4, V4.6 Build 23; Postprocessing SW: SEMCAD, V1.8 Build 160

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

dx=20mm, dy=20mm

Maximum value of SAR (interpolated) = 0.552 mW/g

Body, Ch.661, Ant.Intenna, Bat.Standard/Zoom Scan (5x5x7)/Cube 0: Measurement grid:

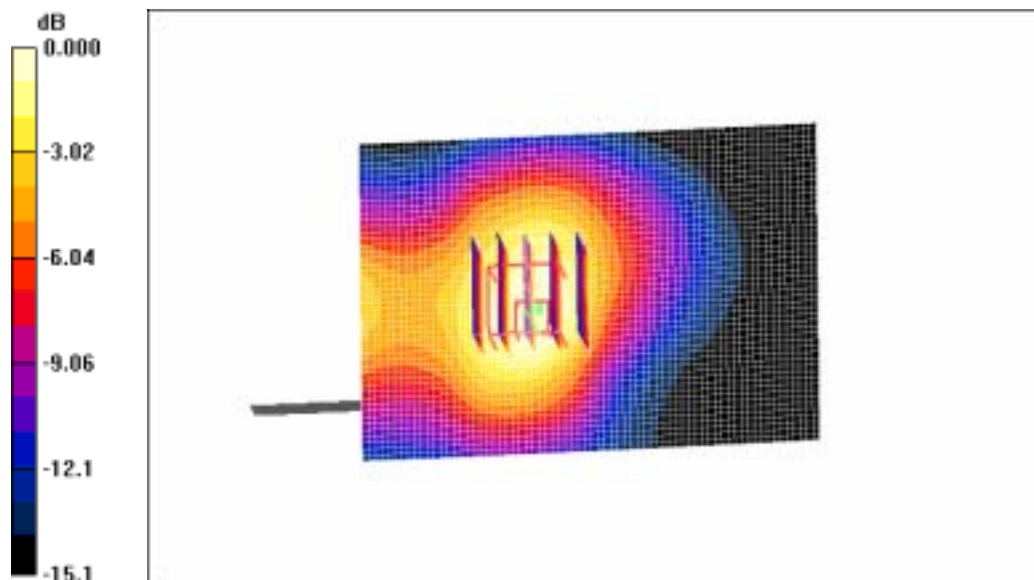
dx=8mm, dy=8mm, dz=5mm

Reference Value = 17.4 V/m; Power Drift = 0.003 dB

Peak SAR (extrapolated) = 0.709 W/kg

SAR(1 g) = 0.443 mW/g

Maximum value of SAR (measured) = 0.474 mW/g



0 dB = 0.474mW/g

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

Procedure Notes: Meas. Ambient Temp(celsius)-22.1, Tissue Temp(celsius)-22.0; Test Date-18/Apr/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; $\sigma = 1.41$ mho/m; $\epsilon_r = 39.6$; $\rho = 1000$ kg/m³

Phantom section: Left Section

DASY4 Configuration:

- Probe: ES3DV2 - SN3017; ConvF(5.02, 5.02, 5.02); Calibrated: 2005-09-20
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn670; Calibrated: 2006-03-21
- Phantom: PHANTOM #2; Type: SAM; Serial: TP-1141
- Measurement SW: DASY4, V4.6 Build 23; Postprocessing SW: SEMCAD, V1.8 Build 160

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

Maximum value of SAR (interpolated) = 1.39 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 = 28.8 V/m; Power Drift = 0.040 dB

Peak SAR (extrapolated) = 1.80 W/kg

SAR(1 g) = 1.14 mW/g

Maximum value of SAR (measured) = 1.24 mW/g



SAMSUNG FCC ID : A3LSGHX638 1900MHz GPRS1900 Body SAR

DUT: SGH-X638; Serial: FD-061-C

Program Name: SGH-X638 GSM1900 Body (Job No. : FD-061)

Procedure Name: Body, Ch.661, Ant.Intenna, Bat.Standard

Procedure Notes: Meas. Ambient Temp(celsius)-22.1, Tissue Temp(celsius)-22.0; Test Date-18/Apr/2006 [OET Bulletin 65-Supplement C, July 2001]

Communication System: GSM1900 GPRS; Frequency: 1880 MHz; Duty Cycle: 1:4.15

Medium parameters used: $f = 1880$ MHz; $\sigma = 1.53$ mho/m; $\epsilon_r = 52$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY4 Configuration:

- Probe: ES3DV2 - SN3017; ConvF(4.47, 4.47, 4.47); Calibrated: 2005-09-20
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn670; Calibrated: 2006-03-21
- Phantom: PHANTOM #1; Type: SAM; Serial: TP-1143
- Measurement SW: DASY4, V4.6 Build 23; Postprocessing SW: SEMCAD, V1.8 Build 160

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

dx=20mm, dy=20mm

Maximum value of SAR (interpolated) = 0.552 mW/g

Body, Ch.661, Ant.Intenna, Bat.Standard/Zoom Scan (5x5x7)/Cube 0: Measurement grid:

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

Reference Value = 17.4 V/m; Power Drift = 0.003 dB

Peak SAR (extrapolated) = 0.709 W/kg

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