

SAMSUNG FCC ID : A3LSGHP930 1900MHz GSM1900 Head SAR

DUT: SGH-P930; Serial: FD-190-A

Program Name: SGH-P930 GSM1900 Right Swing Close(Job No. : FD-190)

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

Procedure Notes: Meas. Ambient Temp(celsius)-22.0, Tissue Temp(celsius)-21.7; Test Date-25/Sep/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; $\sigma = 1.39$ mho/m; $\epsilon_r = 39$; $\rho = 1000$ kg/m³

Phantom section: Right Section

DASY4 Configuration:

- Probe: ES3DV3 - SN3085; ConvF(4.81, 4.81, 4.81); Calibrated: 2005-11-22
- 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.Intenna, Bat.Standard With DMB Ant'/Zoom Scan

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

Reference Value = 15.6 V/m; Power Drift = -0.113 dB

Peak SAR (extrapolated) = 0.400 W/kg

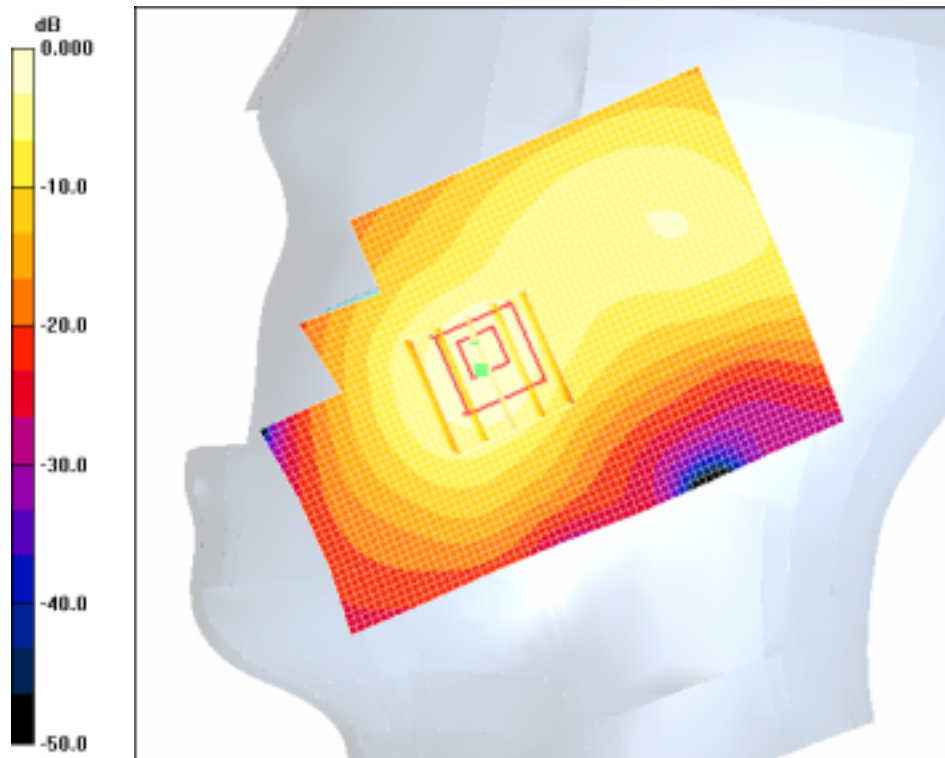
SAR(1 g) = 0.299 mW/g

Maximum value of SAR (measured) = 0.318 mW/g

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

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

Maximum value of SAR (interpolated) = 0.402 mW/g



0 dB = 0.402mW/g

SAMSUNG FCC ID : A3LSGHP930 1900MHz GSM1900 Head SAR

DUT: SGH-P930; Serial: FD-190-A

Program Name: SGH-P930 GSM1900 Right Swing Close(Job No. : FD-190)

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

Procedure Notes: Meas. Ambient Temp(celsius)-22.0, Tissue Temp(celsius)-21.7; Test Date-25/Sep/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; $\sigma = 1.39$ mho/m; $\epsilon_r = 39$; $\rho = 1000$ kg/m³

Phantom section: Right Section

DASY4 Configuration:

- Probe: ES3DV3 - SN3085; ConvF(4.81, 4.81, 4.81); Calibrated: 2005-11-22
- 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.Intenna, Bat.Standard/Area Scan (51x71x1): Measurement grid:

dx=20mm, dy=20mm

Maximum value of SAR (interpolated) = 0.191 mW/g

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

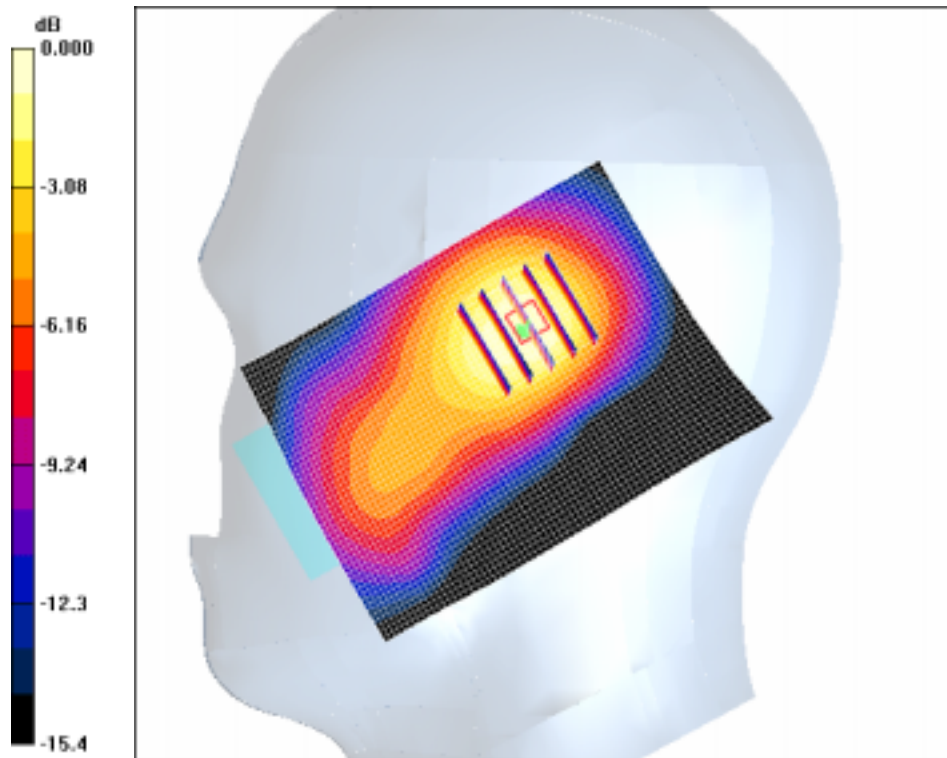
grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 6.03 V/m; Power Drift = -0.041 dB

Peak SAR (extrapolated) = 0.245 W/kg

SAR(1 g) = 0.161 mW/g

Maximum value of SAR (measured) = 0.172 mW/g



0 dB = 0.172mW/g

SAMSUNG FCC ID : A3LSGHP930 1900MHz GSM1900 Head SAR

DUT: SGH-P930; Serial: FD-190-A

Program Name: SGH-P930 GSM1900 Left Swing Close (Job No. : FD-190)

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

Procedure Notes: Meas. Ambient Temp(celsius)-22.0, Tissue Temp(celsius)-21.7; Test Date-25/Sep/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; $\sigma = 1.39$ mho/m; $\epsilon_r = 39$; $\rho = 1000$ kg/m³

Phantom section: Left Section

DASY4 Configuration:

- Probe: ES3DV3 - SN3085; ConvF(4.81, 4.81, 4.81); Calibrated: 2005-11-22
- 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.661, Ant.Intenna, Bat.Standard/Zoom Scan (5x5x7)/Cube 0:

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

Reference Value = 11.4 V/m; Power Drift = 0.107 dB

Peak SAR (extrapolated) = 0.283 W/kg

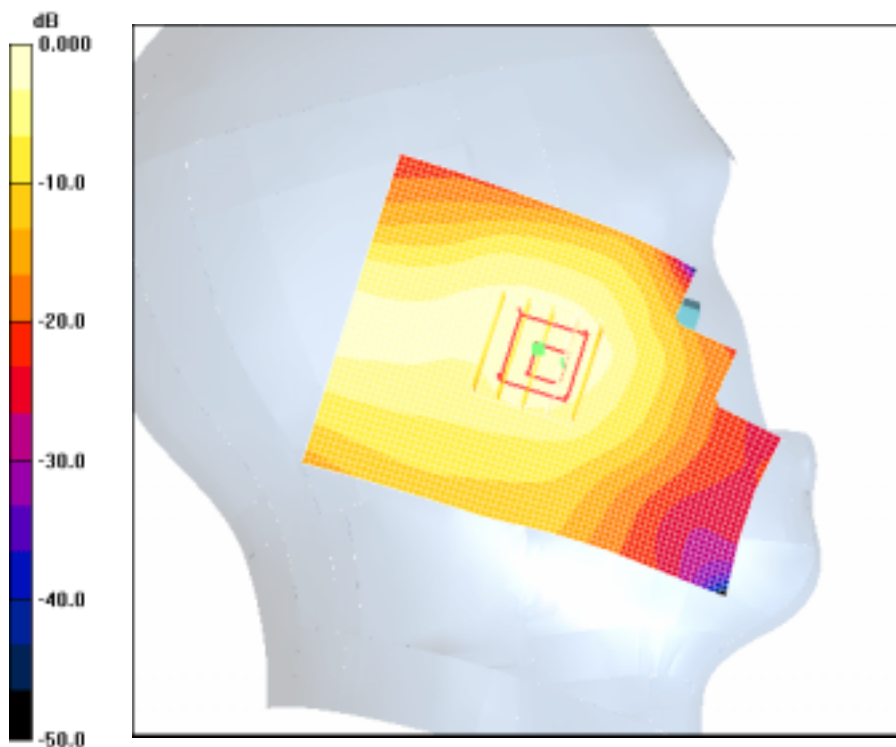
SAR(1 g) = 0.210 mW/g

Maximum value of SAR (measured) = 0.218 mW/g

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

grid: dx=20mm, dy=20mm

Maximum value of SAR (interpolated) = 0.216 mW/g



0 dB = 0.216mW/g

SAMSUNG FCC ID : A3LSGHP930 1900MHz GSM1900 Head SAR

DUT: SGH-P930; Serial: FD-190-A

Program Name: SGH-P930 GSM1900 Left Swing Close (Job No. : FD-190)

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

Procedure Notes: Meas. Ambient Temp(celsius)-22.0, Tissue Temp(celsius)-21.7; Test Date-25/Sep/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; $\sigma = 1.39$ mho/m; $\epsilon_r = 39$; $\rho = 1000$ kg/m³

Phantom section: Left Section

DASY4 Configuration:

- Probe: ES3DV3 - SN3085; ConvF(4.81, 4.81, 4.81); Calibrated: 2005-11-22
- 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.Intenna, Bat.Standard/Area Scan (51x71x1): Measurement grid:

dx=20mm, dy=20mm

Maximum value of SAR (interpolated) = 0.175 mW/g

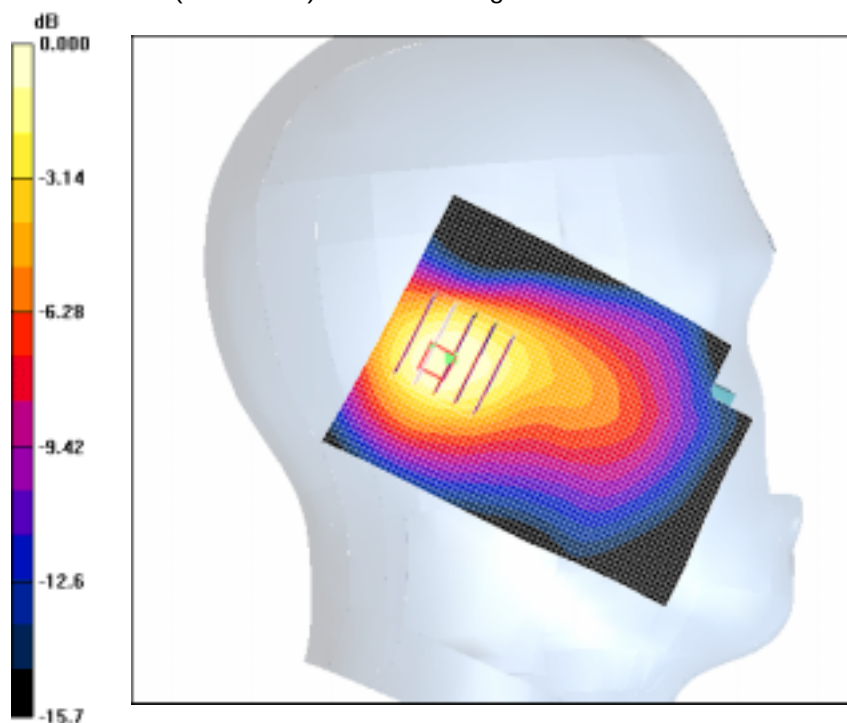
Ear/Tilt, Ch.661, Ant.Intenna, Bat.Standard/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 9.21 V/m; Power Drift = 0.001 dB

Peak SAR (extrapolated) = 0.236 W/kg

SAR(1 g) = 0.148 mW/g

Maximum value of SAR (measured) = 0.156 mW/g



0 dB = 0.156mW/g

SAMSUNG FCC ID : A3LSGHP930 1900MHz GSM1900 Head SAR

DUT: SGH-P930; Serial: FD-190-A

Program Name: SGH-P930 GSM1900 Right Swing Open (Job No. : FD-190)

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

Procedure Notes: Meas. Ambient Temp(celsius)-22.0, Tissue Temp(celsius)-21.7; Test Date-25/Sep/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; $\sigma = 1.39$ mho/m; $\epsilon_r = 39$; $\rho = 1000$ kg/m³

Phantom section: Right Section

DASY4 Configuration:

- Probe: ES3DV3 - SN3085; ConvF(4.81, 4.81, 4.81); Calibrated: 2005-11-22
- 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.661, Ant.Intenna, Bat.Standard/Zoom Scan (5x5x7)/Cube 0:

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

Reference Value = 8.69 V/m; Power Drift = -0.175 dB

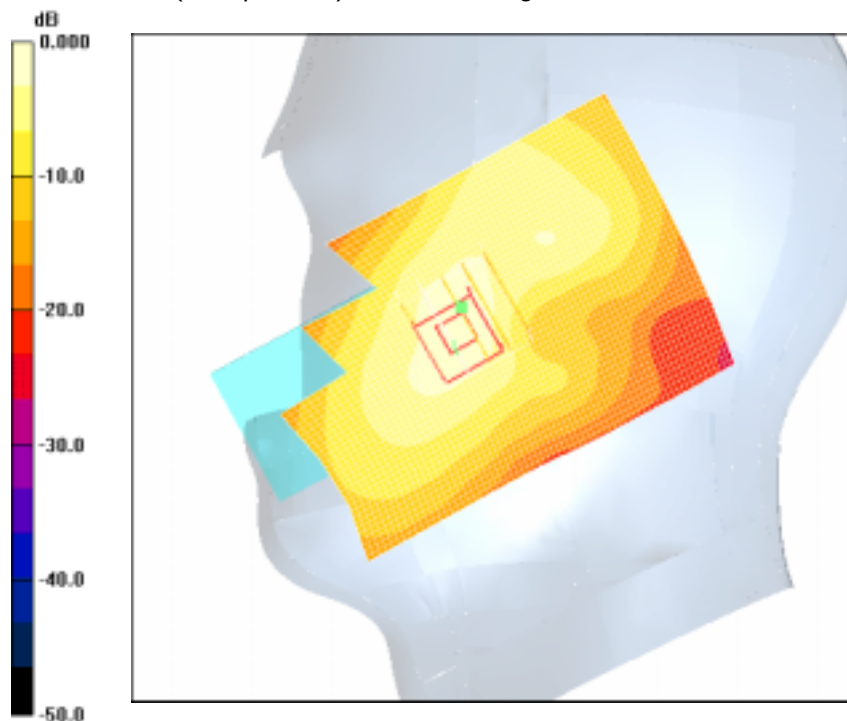
Peak SAR (extrapolated) = 0.259 W/kg

SAR(1 g) = 0.152 mW/g

Maximum value of SAR (measured) = 0.164 mW/g

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

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



0 dB = 0.148mW/g

SAMSUNG FCC ID : A3LSGHP930 1900MHz GSM1900 Head SAR

DUT: SGH-P930; Serial: FD-190-A

Program Name: SGH-P930 GSM1900 Right Swing Open (Job No. : FD-190)

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

Procedure Notes: Meas. Ambient Temp(celsius)-22.0, Tissue Temp(celsius)-21.7; Test Date-25/Sep/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; $\sigma = 1.39$ mho/m; $\epsilon_r = 39$; $\rho = 1000$ kg/m³

Phantom section: Right Section

DASY4 Configuration:

- Probe: ES3DV3 - SN3085; ConvF(4.81, 4.81, 4.81); Calibrated: 2005-11-22
- 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.Intenna, Bat.Standard/Area Scan (51x71x1): Measurement grid:

dx=20mm, dy=20mm

Maximum value of SAR (interpolated) = 0.054 mW/g

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

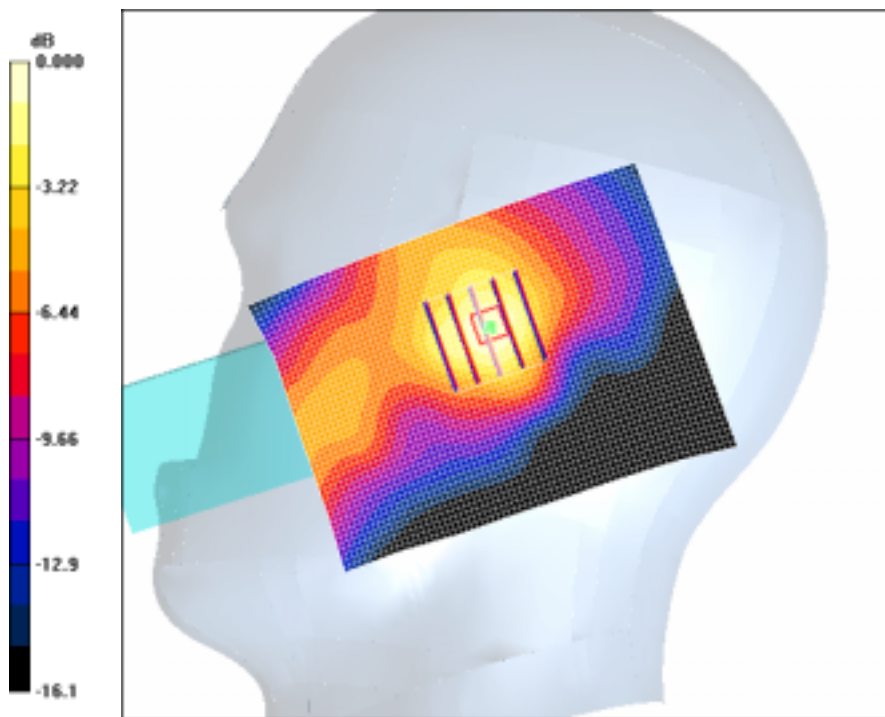
grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 3.48 V/m; Power Drift = -0.171 dB

Peak SAR (extrapolated) = 0.075 W/kg

SAR(1 g) = 0.050 mW/g

Maximum value of SAR (measured) = 0.055 mW/g



0 dB = 0.055mW/g

SAMSUNG FCC ID : A3LSGHP930 1900MHz GSM1900 Head SAR

DUT: SGH-P930; Serial: FD-190-A

Program Name: SGH-P930 GSM1900 Left Swing Open (Job No. : FD-190)

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

Procedure Notes: Meas. Ambient Temp(celsius)-22.0, Tissue Temp(celsius)-21.7; Test Date-25/Sep/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; $\sigma = 1.39$ mho/m; $\epsilon_r = 39$; $\rho = 1000$ kg/m³

Phantom section: Left Section

DASY4 Configuration:

- Probe: ES3DV3 - SN3085; ConvF(4.81, 4.81, 4.81); Calibrated: 2005-11-22
- 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.Intenna, Bat.Standard/Area Scan (51x71x1): Measurement grid: dx=20mm, dy=20mm

Maximum value of SAR (interpolated) = 0.169 mW/g

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

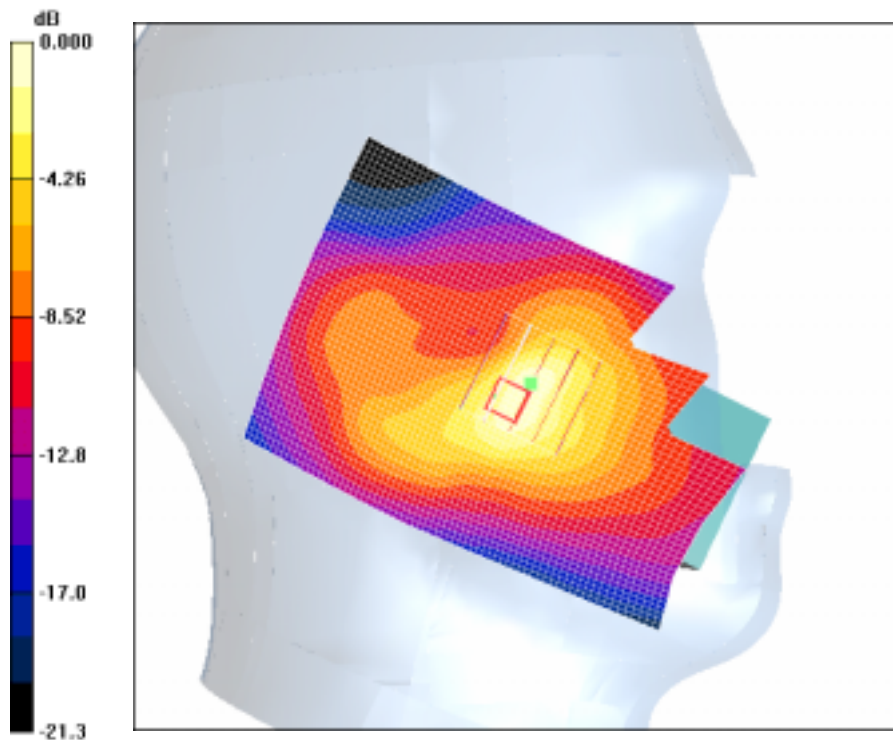
Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 11.6 V/m; Power Drift = 0.077 dB

Peak SAR (extrapolated) = 0.304 W/kg

SAR(1 g) = 0.179 mW/g

Maximum value of SAR (measured) = 0.189 mW/g



0 dB = 0.189mW/g

SAMSUNG FCC ID : A3LSGHP930 1900MHz GSM1900 Head SAR

DUT: SGH-P930; Serial: FD-190-A

Program Name: SGH-P930 GSM1900 Left Swing Open (Job No. : FD-190)

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

Procedure Notes: Meas. Ambient Temp(celsius)-22.0, Tissue Temp(celsius)-21.7; Test Date-25/Sep/2006 [OET Bulletin 65-Supplement C, July 2001]

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

Medium parameters used: $f = 1880 \text{ MHz}$; $\sigma = 1.39 \text{ mho/m}$; $\epsilon_r = 39$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Left Section

DASY4 Configuration:

- Probe: ES3DV3 - SN3085; ConvF(4.81, 4.81, 4.81); Calibrated: 2005-11-22
- 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.Intenna, Bat.Standard/Area Scan (51x71x1): Measurement grid:

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

Maximum value of SAR (interpolated) = 0.049 mW/g

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

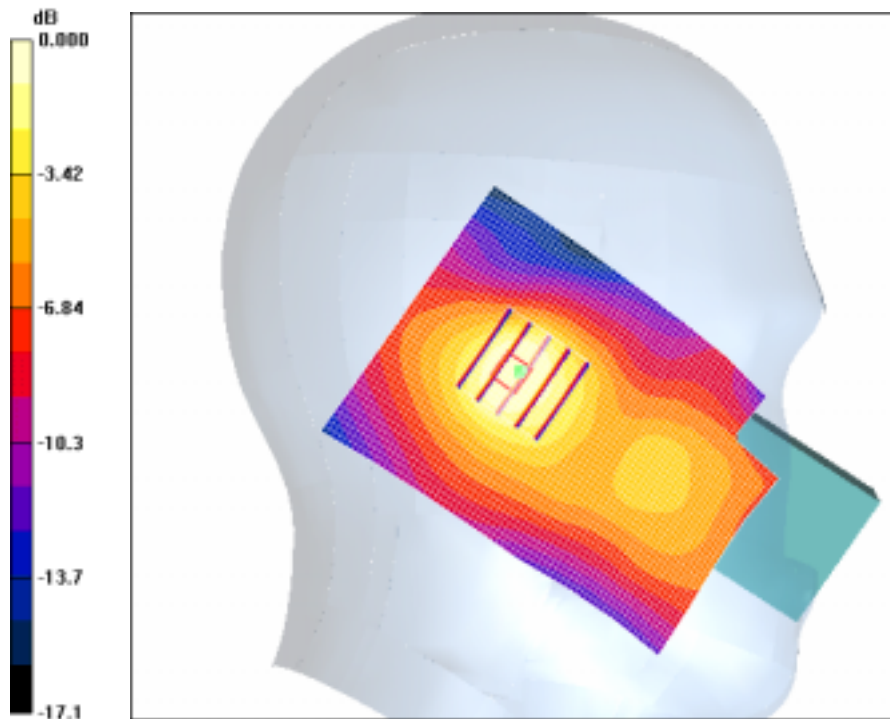
grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

Reference Value = 5.25 V/m; Power Drift = 0.033 dB

Peak SAR (extrapolated) = 0.056 W/kg

SAR(1 g) = 0.039 mW/g

Maximum value of SAR (measured) = 0.041 mW/g



0 dB = 0.041mW/g

SAMSUNG FCC ID : A3LSGHP930 1900MHz GSM1900 Head SAR

DUT: SGH-P930; Serial: FD-190-A

Program Name: SGH-P930 GSM1900 Right Swing Close (Job No. : FD-190)

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

Procedure Notes: Meas. Ambient Temp(celsius)-22.0, Tissue Temp(celsius)-21.7; Test Date-25/Sep/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; $\sigma = 1.39$ mho/m; $\epsilon_r = 39$; $\rho = 1000$ kg/m³

Phantom section: Right Section

DASY4 Configuration:

- Probe: ES3DV3 - SN3085; ConvF(4.81, 4.81, 4.81); Calibrated: 2005-11-22
- 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.Intenna, Bat.Standard With DMB Ant'/Zoom Scan

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

Reference Value = 15.6 V/m; Power Drift = -0.113 dB

Peak SAR (extrapolated) = 0.400 W/kg

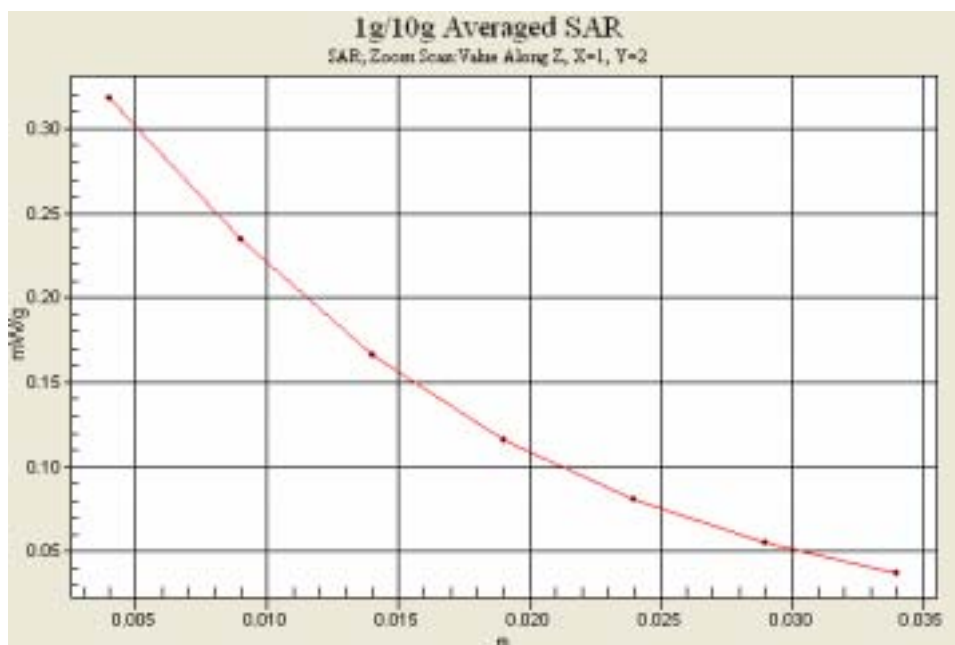
SAR(1 g) = 0.299 mW/g

Maximum value of SAR (measured) = 0.318 mW/g

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

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

Maximum value of SAR (interpolated) = 0.402 mW/g



SAMSUNG FCC ID : A3LSGHP930 1900MHz GPRS1900 Body SAR

DUT: SGH-P930; Serial: FD-190-A

Program Name: SGH-P930 GSM1900 Body (Job No. : FD-190)

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

Procedure Notes: Meas. Ambient Temp(celsius)-22.3, Tissue Temp(celsius)-22.0; Test Date-25/Sep/2006 [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; $\sigma = 1.51$ mho/m; $\epsilon_r = 51.5$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY4 Configuration:

- Probe: ES3DV3 - SN3085; ConvF(4.44, 4.44, 4.44); Calibrated: 2005-11-22
- 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.Intenna, Bat.Standard/Area Scan (51x71x1): Measurement grid:

dx=20mm, dy=20mm

Maximum value of SAR (interpolated) = 0.379 mW/g

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

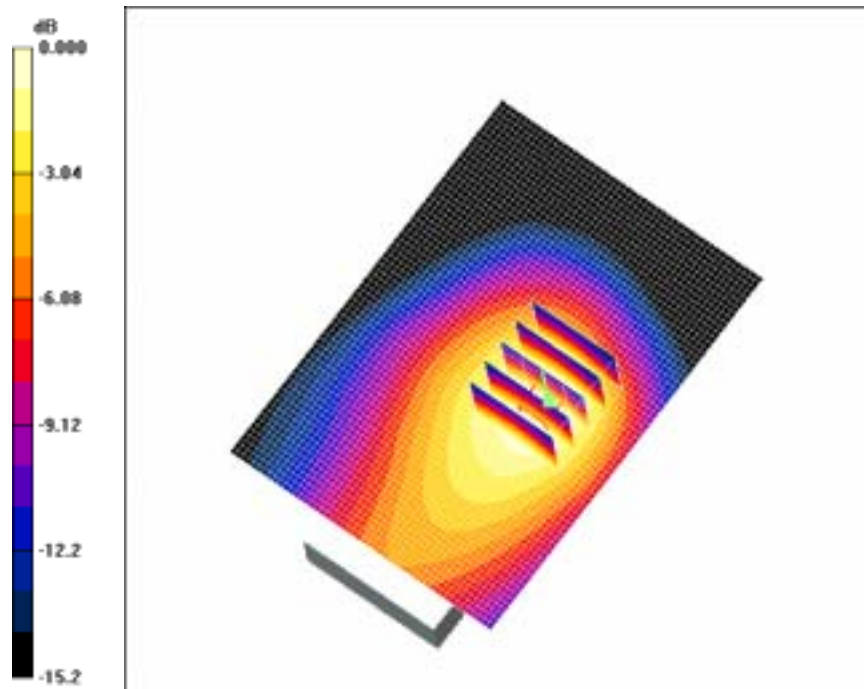
dx=8mm, dy=8mm, dz=5mm

Reference Value = 10.5 V/m; Power Drift = -0.056 dB

Peak SAR (extrapolated) = 0.523 W/kg

SAR(1 g) = 0.337 mW/g

Maximum value of SAR (measured) = 0.366 mW/g



0 dB = 0.366mW/g

SAMSUNG FCC ID : A3LSGHP930 1900MHz GPRS1900 Body SAR

DUT: SGH-P930; Serial: FD-190-A

Program Name: SGH-P930 GSM1900 Body (Job No. : FD-190)

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

Procedure Notes: Meas. Ambient Temp(celsius)-22.3, Tissue Temp(celsius)-22.0; Test Date-25/Sep/2006 [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; $\sigma = 1.51$ mho/m; $\epsilon_r = 51.5$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY4 Configuration:

- Probe: ES3DV3 - SN3085; ConvF(4.44, 4.44, 4.44); Calibrated: 2005-11-22
- 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.Intenna, Bat.Standard/Area Scan (51x71x1): Measurement grid:

dx=20mm, dy=20mm

Maximum value of SAR (interpolated) = 0.379 mW/g

Body, Ch.810, 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 = -0.056 dB

Peak SAR (extrapolated) = 0.523 W/kg

SAR(1 g) = 0.337 mW/g

Maximum value of SAR (measured) = 0.366 mW/g

