

SAMSUNG FCC ID : A3LSGHU106 GSM850 Head SAR

DUT: SGH-U106; Serial: FE-072-I

Program Name: SGH-U106 GSM850 Right (Job No. : FE-072)

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

Meas. Ambient Temp(celsius)-22.3; Tissue Temp(celsius)-21.9;Test Date-24/Apr/2007

Communication System: GSM 850; Frequency: 836.6 MHz;Duty Cycle: 1:8.3

Medium parameters used: $f = 836.6$ MHz; $\sigma = 0.9$ mho/m; $\epsilon_r = 40.1$; $\rho = 1000$ 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: DAE4 Sn533; Calibrated: 2006-11-16
- Phantom: PHANTOM #2; Type: SAM; Serial: TP-1141
- 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) = 0.487 mW/g

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

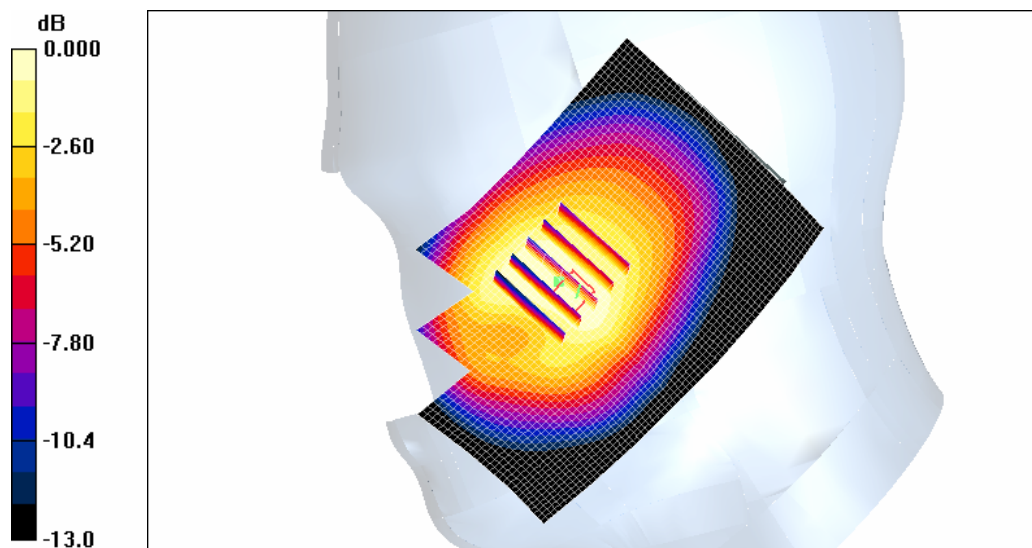
Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 23.3 V/m; Power Drift = -0.129 dB

Peak SAR (extrapolated) = 0.627 W/kg

SAR(1 g) = 0.447 mW/g

Maximum value of SAR (measured) = 0.471 mW/g



0 dB = 0.471mW/g

SAMSUNG FCC ID : A3LSGHU106 GSM850 Head SAR

DUT: SGH-U106; Serial: FE-072-I

Program Name: SGH-U106 GSM850 Right (Job No. : FE-072)

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

Meas. Ambient Temp(celsius)-22.3; Tissue Temp(celsius)-21.9;Test Date-24/Apr/2007

Communication System: GSM 850; Frequency: 836.6 MHz;Duty Cycle: 1:8.3

Medium parameters used: $f = 836.6$ MHz; $\sigma = 0.9$ mho/m; $\epsilon_r = 40.1$; $\rho = 1000$ 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: DAE4 Sn533; Calibrated: 2006-11-16
- Phantom: PHANTOM #2; Type: SAM; Serial: TP-1141
- Measurement SW: DASY4, V4.7 Build 53; Postprocessing SW: SEMCAD, V1.8 Build 172

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

Maximum value of SAR (interpolated) = 0.236 mW/g

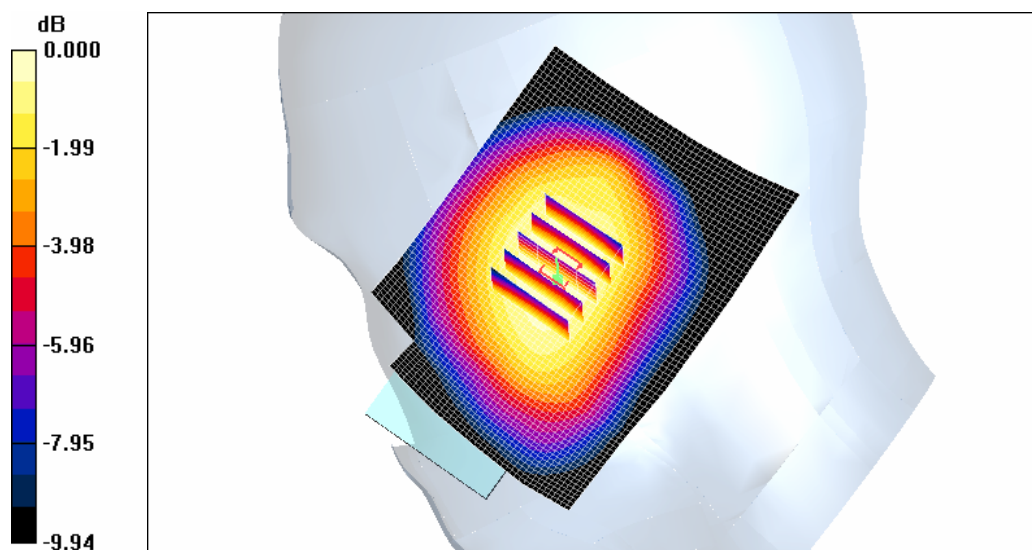
Ear/Tilt, Ch.190, Ant.Intenna, Bat.Standard/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 12.9 V/m; Power Drift = 0.030 dB

Peak SAR (extrapolated) = 0.282 W/kg

SAR(1 g) = 0.223 mW/g

Maximum value of SAR (measured) = 0.234 mW/g



0 dB = 0.234mW/g

SAMSUNG FCC ID : A3LSGHU106 GSM850 Head SAR

DUT: SGH-U106; Serial: FE-072-I

Program Name: SGH-U106 GSM850 Left (Job No. : FE-072)

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

Meas. Ambient Temp(celsius)-22.3; Tissue Temp(celsius)-21.9;Test Date-24/Apr/2007

Communication System: GSM 850; Frequency: 824.2 MHz;Duty Cycle: 1:8.3

Medium parameters used: $f = 824.2$ MHz; $\sigma = 0.9$ mho/m; $\epsilon_r = 40.1$; $\rho = 1000$ 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: DAE4 Sn533; Calibrated: 2006-11-16
- Phantom: PHANTOM #2; Type: SAM; Serial: TP-1141
- Measurement SW: DASY4, V4.7 Build 53; Postprocessing SW: SEMCAD, V1.8 Build 172

Cheek/Touch, Ch.128, Ant.Intenna, Bat.Standard/Area Scan (51x71x1): Measurement grid: dx=20mm, dy=20mm

Maximum value of SAR (interpolated) = 0.537 mW/g

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

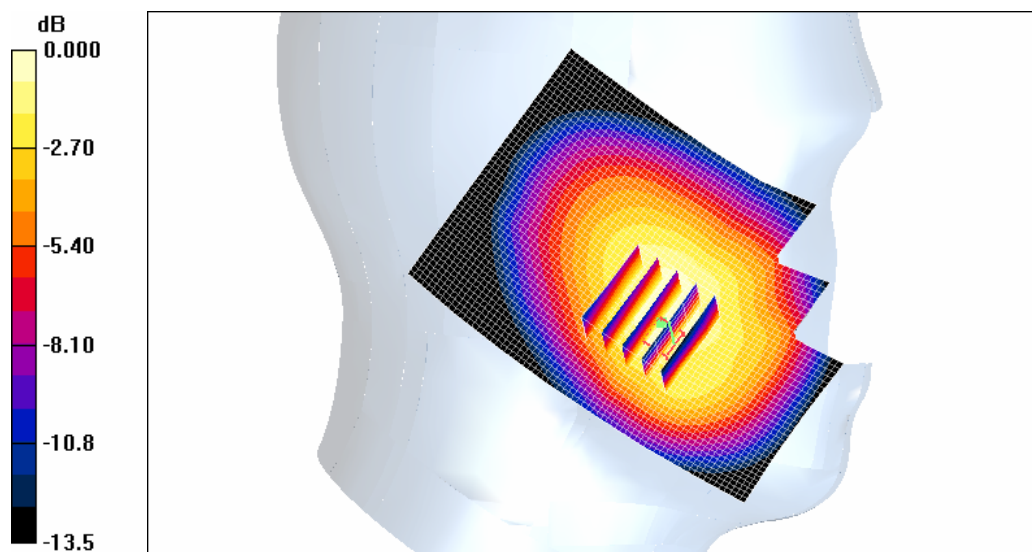
Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 22.6 V/m; Power Drift = 0.001 dB

Peak SAR (extrapolated) = 0.896 W/kg

SAR(1 g) = 0.511 mW/g

Maximum value of SAR (measured) = 0.538 mW/g



0 dB = 0.538mW/g

SAMSUNG FCC ID : A3LSGHU106 GSM850 Head SAR

DUT: SGH-U106; Serial: FE-072-I

Program Name: SGH-U106 GSM850 Left (Job No. : FE-072)

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

Meas. Ambient Temp(celsius)-22.3; Tissue Temp(celsius)-21.9;Test Date-24/Apr/2007

Communication System: GSM 850; Frequency: 836.6 MHz;Duty Cycle: 1:8.3

Medium parameters used: $f = 836.6$ MHz; $\sigma = 0.9$ mho/m; $\epsilon_r = 40.1$; $\rho = 1000$ 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: DAE4 Sn533; Calibrated: 2006-11-16
- Phantom: PHANTOM #2; Type: SAM; Serial: TP-1141
- Measurement SW: DASY4, V4.7 Build 53; Postprocessing SW: SEMCAD, V1.8 Build 172

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

Maximum value of SAR (interpolated) = 0.242 mW/g

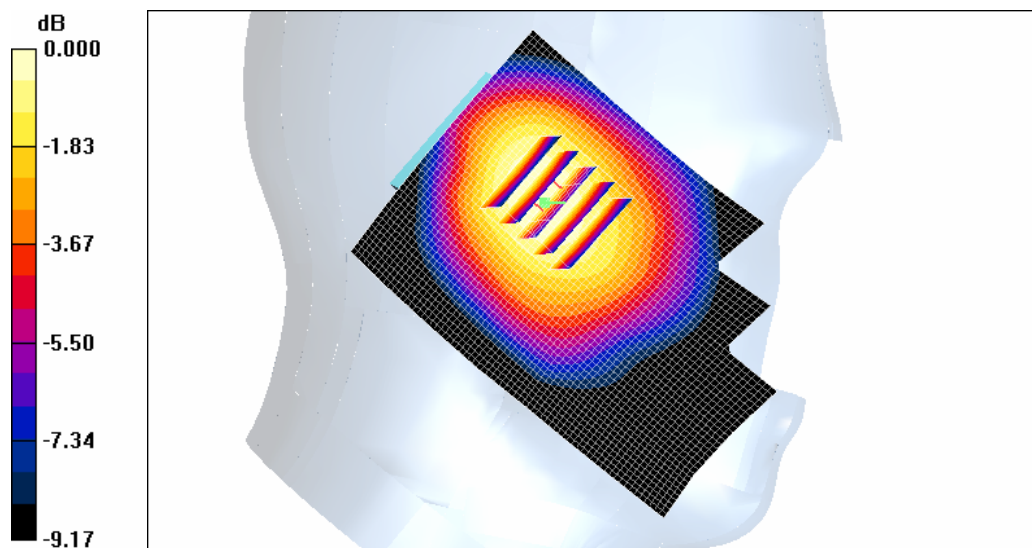
Ear/Tilt, Ch.190, Ant.Intenna, Bat.Standard/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 12.6 V/m; Power Drift = 0.038 dB

Peak SAR (extrapolated) = 0.289 W/kg

SAR(1 g) = 0.228 mW/g

Maximum value of SAR (measured) = 0.241 mW/g



0 dB = 0.241mW/g

SAMSUNG FCC ID : A3LSGHU106 GPRS850 Body SAR

DUT: SGH-U106; Serial: FE-072-I

Program Name: SGH-U106 GSM850 Body (Job No. : FE-072)

Procedure Name: Body, Ch.190, Ant.Intenna, Bat.Standard

Meas. Ambient Temp(celsius) - 22.4; Tissue Temp(celsius) - 21.9; Test Date - 24/Apr/2007

Communication System: GSM 850 (GPRS); Frequency: 836.6 MHz; Duty Cycle: 1:4.15

Medium parameters used: $f = 836.6$ MHz; $\sigma = 1$ mho/m; $\epsilon_r = 54.8$; $\rho = 1000$ 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: DAE4 Sn533; Calibrated: 2006-11-16
- Phantom: PHANTOM #2; Type: SAM; Serial: TP-1141
- Measurement SW: DASY4, V4.7 Build 53; Postprocessing SW: SEMCAD, V1.8 Build 172

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

dx=20mm, dy=20mm

Maximum value of SAR (interpolated) = 0.636 mW/g

Body, Ch.190, Ant.Intenna, Bat.Standard/Zoom Scan (5x5x7)/Cube 0: Measurement grid:

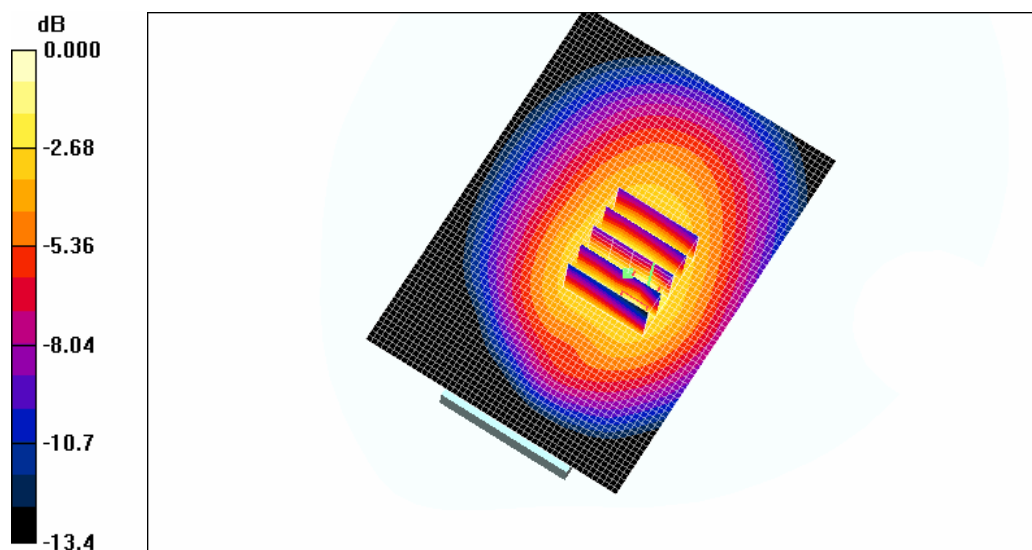
dx=8mm, dy=8mm, dz=5mm

Reference Value = 18.2 V/m; Power Drift = 0.070 dB

Peak SAR (extrapolated) = 1.27 W/kg

SAR(1 g) = 0.816 mW/g

Maximum value of SAR (measured) = 0.930 mW/g



0 dB = 0.930mW/g

SAMSUNG FCC ID : A3LSGHU106 GSM850 Head SAR

DUT: SGH-U106; Serial: FE-072-I

Program Name: SGH-U106 GSM850 Left (Job No. : FE-072)

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

Meas. Ambient Temp(celsius)-22.3; Tissue Temp(celsius)-21.9;Test Date-24/Apr/2007

Communication System: GSM 850; Frequency: 824.2 MHz;Duty Cycle: 1:8.3

Medium parameters used: $f = 824.2$ MHz; $\sigma = 0.9$ mho/m; $\epsilon_r = 40.1$; $\rho = 1000$ 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: DAE4 Sn533; Calibrated: 2006-11-16
- Phantom: PHANTOM #2; Type: SAM; Serial: TP-1141
- Measurement SW: DASY4, V4.7 Build 53; Postprocessing SW: SEMCAD, V1.8 Build 172

Cheek/Touch, Ch.128, Ant.Intenna, Bat.Standard/Area Scan (51x71x1): Measurement grid: dx=20mm, dy=20mm

Maximum value of SAR (interpolated) = 0.537 mW/g

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

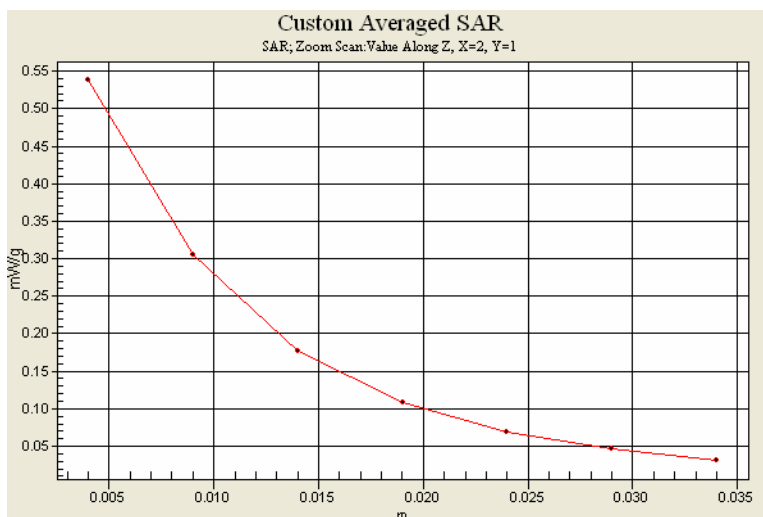
Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 22.6 V/m; Power Drift = 0.001 dB

Peak SAR (extrapolated) = 0.896 W/kg

SAR(1 g) = 0.511 mW/g

Maximum value of SAR (measured) = 0.538 mW/g



SAMSUNG FCC ID : A3LSGHU106 GSM850 Head SAR

DUT: SGH-U106; Serial: FE-072-I

Program Name: SGH-U106 GSM850 Body (Job No. : FE-072)

Procedure Name: Body, Ch.190, Ant.Intenna, Bat.Standard

Meas. Ambient Temp(celsius) - 22.3; Tissue Temp(celsius) - 21.9; Test Date - 24/Apr/2007

Communication System: GSM 850 (GPRS); Frequency: 836.6 MHz; Duty Cycle: 1:4.15

Medium parameters used: $f = 836.6 \text{ MHz}$; $\sigma = 1 \text{ mho/m}$; $\epsilon_r = 54.8$; $\rho = 1000 \text{ kg/m}^3$

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: DAE4 Sn533; Calibrated: 2006-11-16
- Phantom: PHANTOM #2; Type: SAM; Serial: TP-1141
- Measurement SW: DASY4, V4.7 Build 53; Postprocessing SW: SEMCAD, V1.8 Build 172

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

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

Maximum value of SAR (interpolated) = 0.636 mW/g

Body, Ch.190, Ant.Intenna, Bat.Standard/Zoom Scan (5x5x7)/Cube 0: Measurement grid:

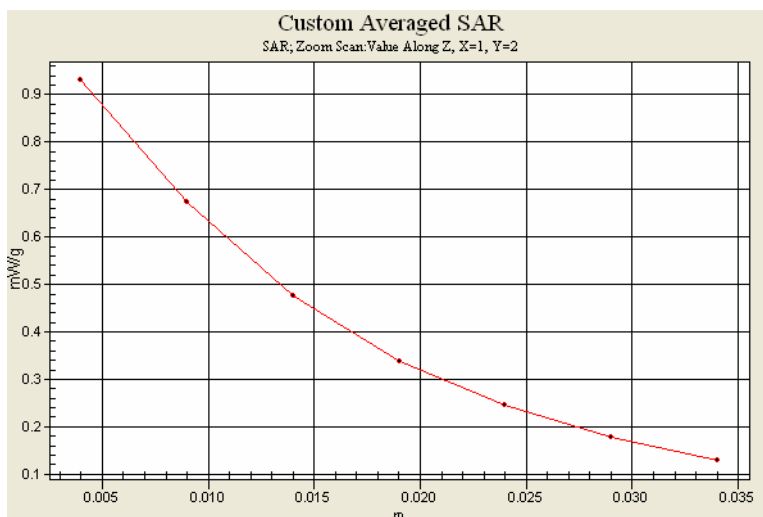
$dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

Reference Value = 18.2 V/m; Power Drift = 0.070 dB

Peak SAR (extrapolated) = 1.27 W/kg

SAR(1 g) = 0.816 mW/g

Maximum value of SAR (measured) = 0.930 mW/g



SAMSUNG FCC ID : A3LSGHU106 GSM1900 Head SAR

DUT: SGH-U106; Serial: FE-072-I

Program Name: SGH-U106 GSM1900 Right (Job No. : FE-072)

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

Meas. Ambient Temp(celsius)-21.8; Tissue Temp(celsius)-21.4; Test Date-23/Apr/2007

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

Medium parameters used: $f = 1880$ MHz; $\sigma = 1.46$ mho/m; $\epsilon_r = 41.1$; $\rho = 1000$ 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: DAE4 Sn533; Calibrated: 2006-11-16
- Phantom: PHANTOM #1; Type: SAM; Serial: TP-1143
- 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) = 0.494 mW/g

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

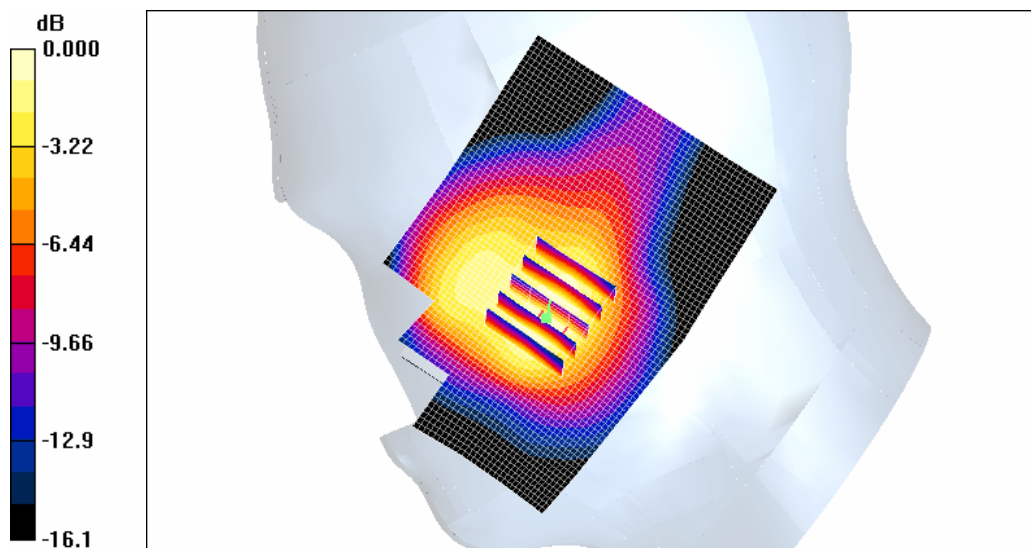
Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 14.8 V/m; Power Drift = -0.083 dB

Peak SAR (extrapolated) = 0.637 W/kg

SAR(1 g) = 0.431 mW/g

Maximum value of SAR (measured) = 0.455 mW/g



0 dB = 0.455mW/g

SAMSUNG FCC ID : A3LSGHU106 GSM1900 Head SAR

DUT: SGH-U106; Serial: FE-072-I

Program Name: SGH-U106 GSM1900 Right (Job No. : FE-072)

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

Meas. Ambient Temp(celsius)-21.8; Tissue Temp(celsius)-21.4; Test Date-23/Apr/2007

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

Medium parameters used: $f = 1880$ MHz; $\sigma = 1.46$ mho/m; $\epsilon_r = 41.1$; $\rho = 1000$ 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: DAE4 Sn533; Calibrated: 2006-11-16
- Phantom: PHANTOM #1; Type: SAM; Serial: TP-1143
- 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) = 0.122 mW/g

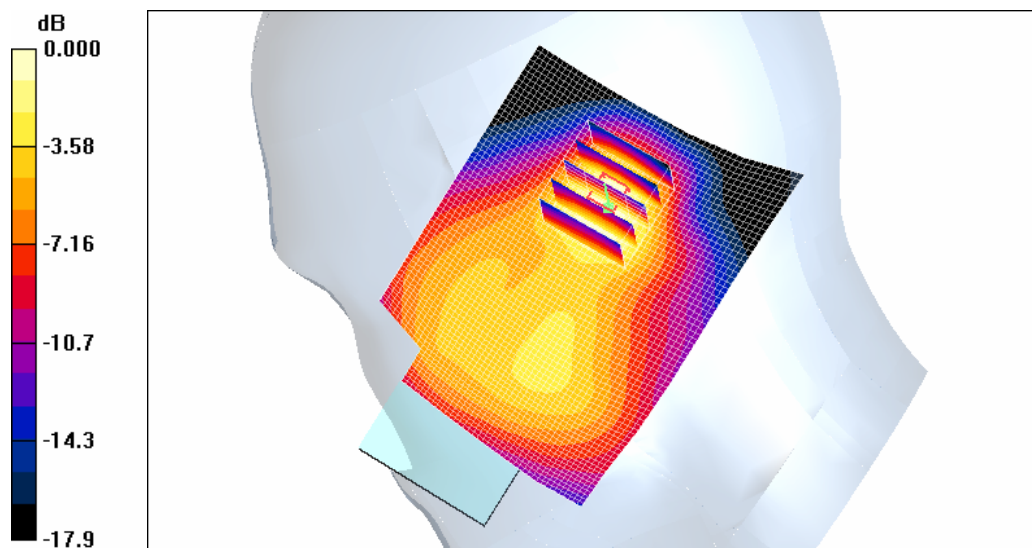
Ear/Tilt, Ch.661, Ant.Intenna, Bat.Standard/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 8.19 V/m; Power Drift = -0.013 dB

Peak SAR (extrapolated) = 0.184 W/kg

SAR(1 g) = 0.109 mW/g

Maximum value of SAR (measured) = 0.117 mW/g



0 dB = 0.117mW/g

SAMSUNG FCC ID : A3LSGHU106 GSM1900 Head SAR

DUT: SGH-U106; Serial: FE-072-I

Program Name: SGH-U106 GSM1900 Left (Job No. : FE-0072)

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

Meas. Ambient Temp(celsius)-21.8; Tissue Temp(celsius)-21.4;Test Date-23/Apr/2007

Communication System: GSM 1900; Frequency: 1850.2 MHz;Duty Cycle: 1:8.3

Medium parameters used: $f = 1850.2$ MHz; $\sigma = 1.46$ mho/m; $\epsilon_r = 41.1$; $\rho = 1000$ 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: DAE4 Sn533; Calibrated: 2006-11-16
- Phantom: PHANTOM #1; Type: SAM; Serial: TP-1143
- Measurement SW: DASY4, V4.7 Build 53; Postprocessing SW: SEMCAD, V1.8 Build 172

Cheek/Touch, Ch.512, Ant.Intenna, Bat.Standard/Area Scan (51x71x1): Measurement grid: dx=20mm, dy=20mm

Maximum value of SAR (interpolated) = 0.670 mW/g

Cheek/Touch, Ch.512, Ant.Intenna, Bat.Standard/Zoom Scan (5x5x7)/Cube 0:

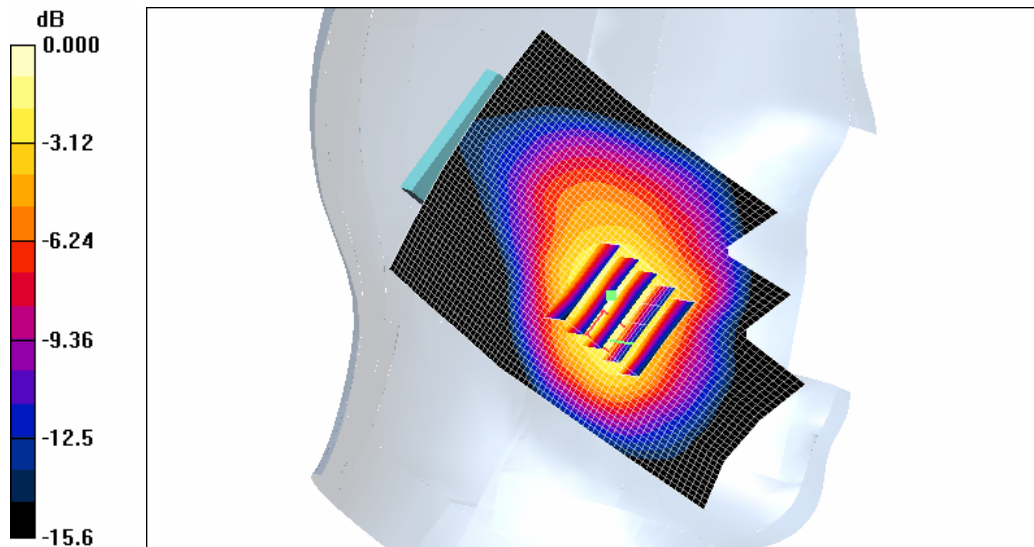
Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 17.0 V/m; Power Drift = -0.085 dB

Peak SAR (extrapolated) = 1.33 W/kg

SAR(1 g) = 0.719 mW/g

Maximum value of SAR (measured) = 0.788 mW/g



0 dB = 0.788mW/g

SAMSUNG FCC ID : A3LSGHU106 GSM1900 Head SAR

DUT: SGH-U106; Serial: FE-072-I

Program Name: SGH-U106 GSM1900 Left (Job No. : FE-0072)

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

Meas. Ambient Temp(celsius)-21.8; Tissue Temp(celsius)-21.4; Test Date-23/Apr/2007

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

Medium parameters used: $f = 1880 \text{ MHz}$; $\sigma = 1.46 \text{ mho/m}$; $\epsilon_r = 41.1$; $\rho = 1000 \text{ kg/m}^3$

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: DAE4 Sn533; Calibrated: 2006-11-16
- Phantom: PHANTOM #1; Type: SAM; Serial: TP-1143
- 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:
 $dx=20\text{mm}$, $dy=20\text{mm}$

Maximum value of SAR (interpolated) = 0.124 mW/g

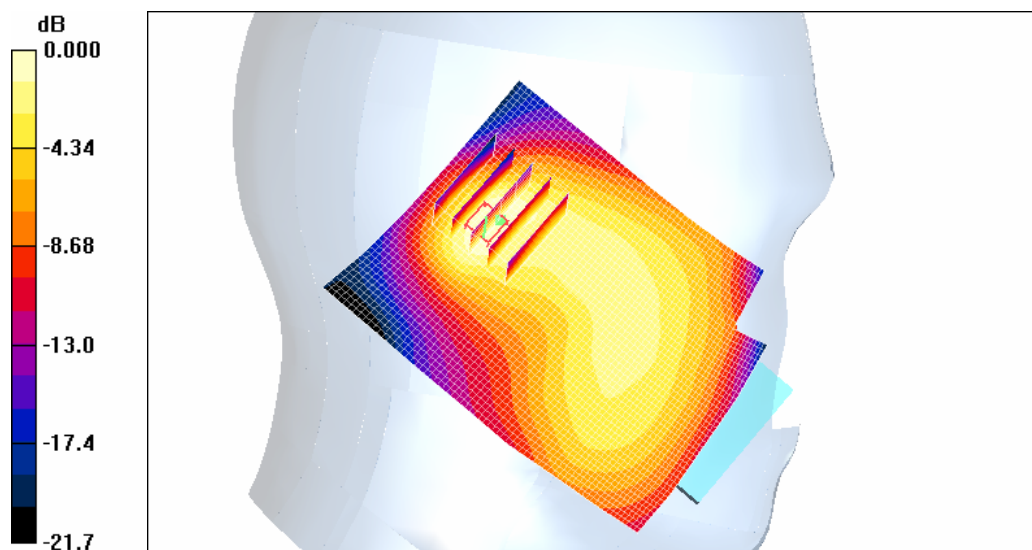
Ear/Tilt, Ch.661, Ant.Intenna, Bat.Standard/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

Reference Value = 8.38 V/m; Power Drift = -0.147 dB

Peak SAR (extrapolated) = 0.175 W/kg

SAR(1 g) = 0.102 mW/g

Maximum value of SAR (measured) = 0.111 mW/g



0 dB = 0.111mW/g

SAMSUNG FCC ID : A3LSGHU106 GPRS1900 Body SAR

DUT: SGH-U106; Serial: FE-072-I

Program Name: SGH-E590 GSM1900 Body (Job No. : FE-071)

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

Meas. Ambient Temp(celsius)-22.0; Tissue Temp(celsius)-21.4;Test Date-23/Apr/2007

Communication System: GSM 1900 GPRS; Frequency: 1850.2 MHz;Duty Cycle: 1:4.15

Medium parameters used: $f = 1850.2$ MHz; $\sigma = 1.58$ mho/m; $\epsilon_r = 52.8$; $\rho = 1000$ 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: DAE4 Sn533; Calibrated: 2006-11-16
- Phantom: PHANTOM #2; Type: SAM; Serial: TP-1141
- Measurement SW: DASY4, V4.7 Build 53; Postprocessing SW: SEMCAD, V1.8 Build 172

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

dx=20mm, dy=20mm

Maximum value of SAR (interpolated) = 0.578 mW/g

Body, Ch.512, Ant.Intenna, Bat.Standard/Zoom Scan (5x5x7)/Cube 0: Measurement grid:

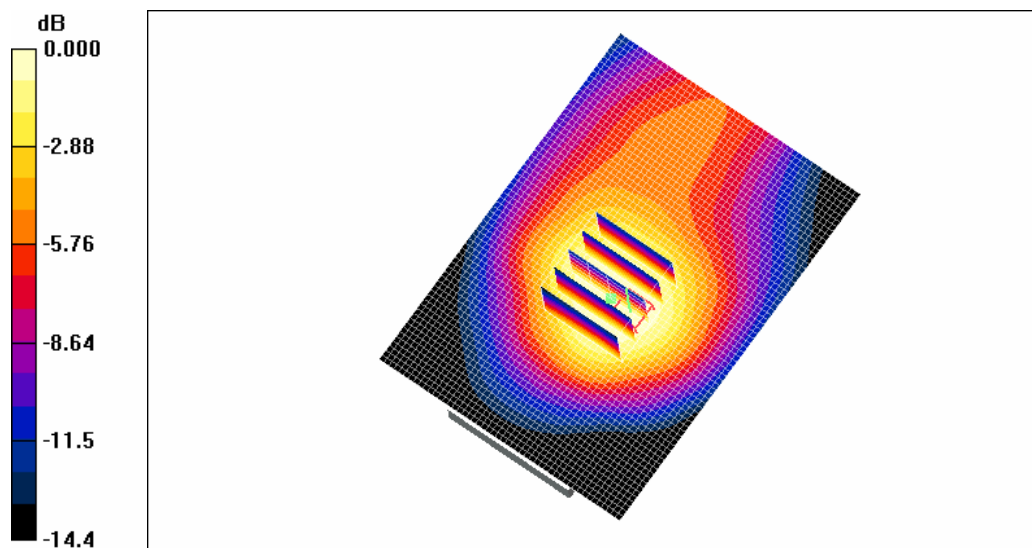
dx=8mm, dy=8mm, dz=5mm

Reference Value = 9.19 V/m; Power Drift = -0.190 dB

Peak SAR (extrapolated) = 0.739 W/kg

SAR(1 g) = 0.459 mW/g

Maximum value of SAR (measured) = 0.496 mW/g



0 dB = 0.496mW/g

SAMSUNG FCC ID : A3LSGHU106 GSM1900 Head SAR

DUT: SGH-U106; Serial: FE-072-I

Program Name: SGH-U106 GSM1900 Left (Job No. : FE-0072)

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

Meas. Ambient Temp(celsius)-21.8; Tissue Temp(celsius)-21.4; Test Date-23/Apr/2007

Communication System: GSM 1900; Frequency: 1850.2 MHz; Duty Cycle: 1:8.3

Medium parameters used: $f = 1850.2$ MHz; $\sigma = 1.46$ mho/m; $\epsilon_r = 41.1$; $\rho = 1000$ 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: DAE4 Sn533; Calibrated: 2006-11-16
- Phantom: PHANTOM #1; Type: SAM; Serial: TP-1143
- Measurement SW: DASY4, V4.7 Build 53; Postprocessing SW: SEMCAD, V1.8 Build 172

Cheek/Touch, Ch.512, Ant.Intenna, Bat.Standard/Area Scan (51x71x1): Measurement grid: dx=20mm, dy=20mm

Maximum value of SAR (interpolated) = 0.670 mW/g

Cheek/Touch, Ch.512, Ant.Intenna, Bat.Standard/Zoom Scan (5x5x7)/Cube 0:

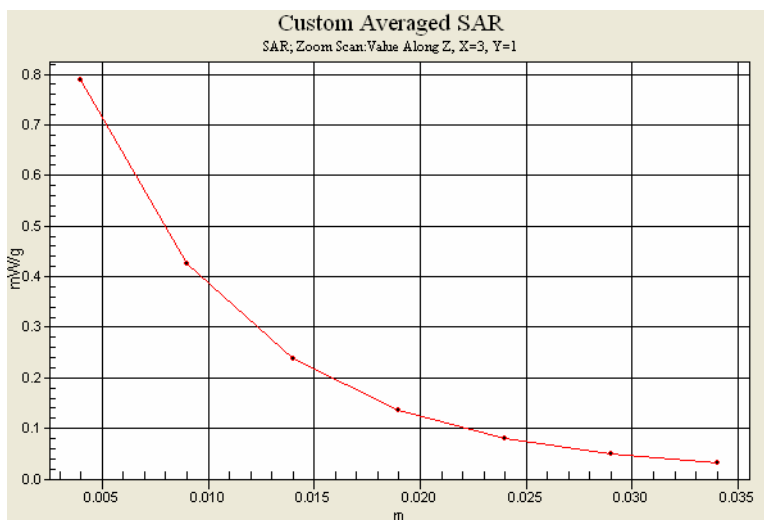
Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 17.0 V/m; Power Drift = -0.085 dB

Peak SAR (extrapolated) = 1.33 W/kg

SAR(1 g) = 0.719 mW/g

Maximum value of SAR (measured) = 0.788 mW/g



SAMSUNG FCC ID : A3LSGHU106 GPRS1900 Body SAR

DUT: SGH-U106; Serial: FE-072-I

Program Name: SGH-E590 GSM1900 Body (Job No. : FE-071)

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

Meas. Ambient Temp(celsius)-22.0; Tissue Temp(celsius)-21.4;Test Date-23/Apr/2007

Communication System: GSM 1900 GPRS; Frequency: 1850.2 MHz;Duty Cycle: 1:4.15

Medium parameters used: $f = 1850.2$ MHz; $\sigma = 1.58$ mho/m; $\epsilon_r = 52.8$; $\rho = 1000$ 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: DAE4 Sn533; Calibrated: 2006-11-16
- Phantom: PHANTOM #2; Type: SAM; Serial: TP-1141
- Measurement SW: DASY4, V4.7 Build 53; Postprocessing SW: SEMCAD, V1.8 Build 172

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

dx=20mm, dy=20mm

Maximum value of SAR (interpolated) = 0.578 mW/g

Body, Ch.512, Ant.Intenna, Bat.Standard/Zoom Scan (5x5x7)/Cube 0: Measurement grid:

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

Reference Value = 9.19 V/m; Power Drift = -0.190 dB

Peak SAR (extrapolated) = 0.739 W/kg

SAR(1 g) = 0.459 mW/g

Maximum value of SAR (measured) = 0.496 mW/g

