

**SAMSUNG FCC ID : A3LSGHF300 - - 1900MHz GSM1900 Head SAR**

**DUT: SGH-F300; Serial: FD-163-G**

**Program Name: SGH-F300 GSM1900 Right (Job No. : FD-163)**

**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/m<sup>3</sup>

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 = 12.3 V/m; Power Drift = 0.035 dB

Peak SAR (extrapolated) = 1.09 W/kg

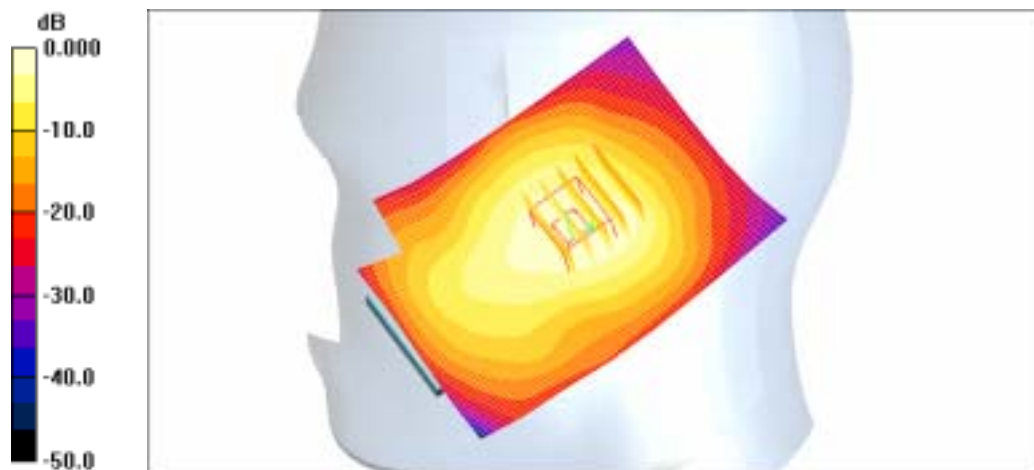
**SAR(1 g) = 0.676 mW/g**

Maximum value of SAR (measured) = 0.713 mW/g

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

grid: dx=20mm, dy=20mm

Maximum value of SAR (interpolated) = 0.881 mW/g



0 dB = 0.881mW/g

**SAMSUNG FCC ID : A3LSGHF300 - - 1900MHz GSM1900 Head SAR**

**DUT: SGH-F300; Serial: FD-163-G**

**Program Name: SGH-F300 GSM1900 Right (Job No. : FD-163)**

**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/m<sup>3</sup>

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

Reference Value = 6.97 V/m; Power Drift = 0.190 dB

Peak SAR (extrapolated) = 1.05 W/kg

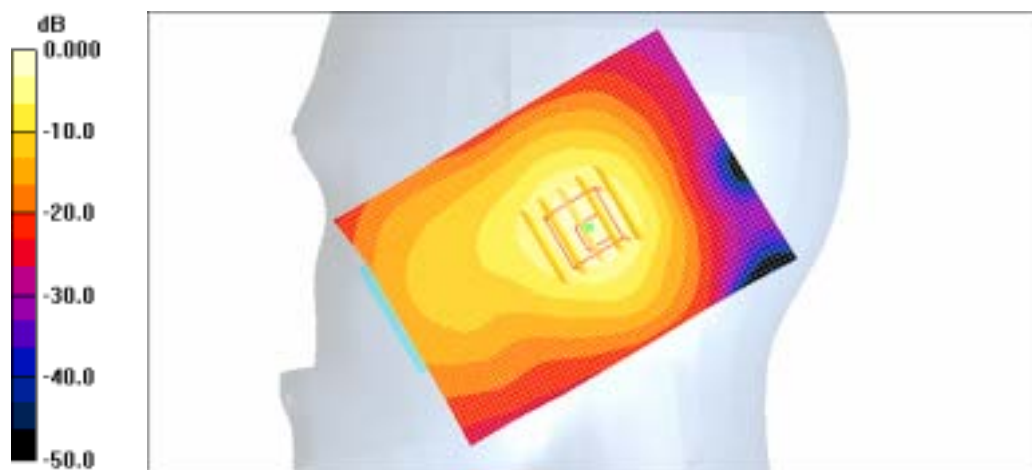
**SAR(1 g) = 0.612 mW/g**

Maximum value of SAR (measured) = 0.663 mW/g

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

dx=20mm, dy=20mm

Maximum value of SAR (interpolated) = 0.835 mW/g



0 dB = 0.835mW/g

**SAMSUNG FCC ID : A3LSGHF300 - - 1900MHz GSM1900 Head SAR**

**DUT: SGH-F300; Serial: FD-163-G**

**Program Name: SGH-F300 GSM1900 Left (Job No. : FD-163)**

**Procedure Name: Cheek/Touch, Ch.512, Ant.Intenna, Bat.Standard With BT On**

**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: 1850.2 MHz;Duty Cycle: 1:8.3**

**Medium parameters used:  $f = 1850.2$  MHz;  $\sigma = 1.39$  mho/m;  $\epsilon_r = 39$ ;  $\rho = 1000$  kg/m<sup>3</sup>**

**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.512, Ant.Intenna, Bat.Standard With BT On/Area Scan (51x71x1):**

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

Maximum value of SAR (interpolated) = 0.920 mW/g

**Cheek/Touch, Ch.512, Ant.Intenna, Bat.Standard With BT On/Zoom Scan (5x5x7)/Cube**

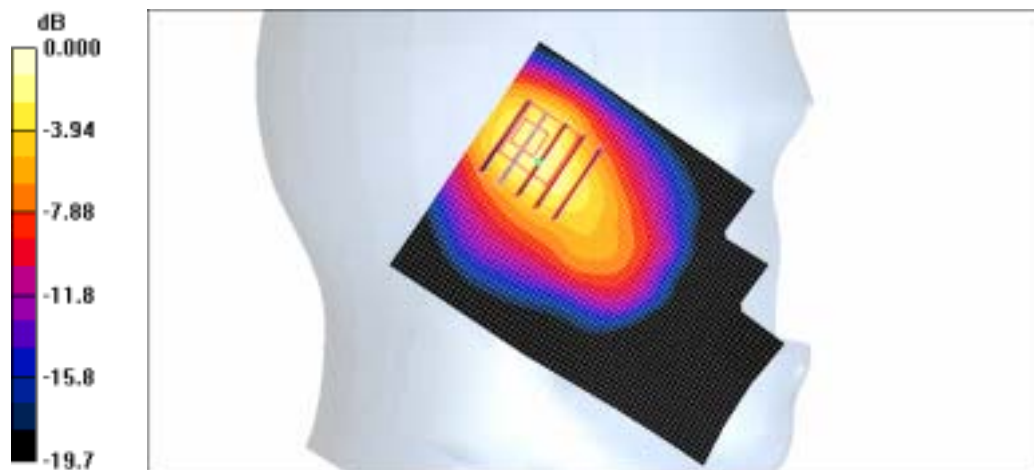
**0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 10.9 V/m; Power Drift = 0.032 dB

Peak SAR (extrapolated) = 2.03 W/kg

**SAR(1 g) = 1.07 mW/g**

Maximum value of SAR (measured) = 1.21 mW/g



0 dB = 1.21mW/g

SAMSUNG FCC ID : A3LSGHF300 -- 1900MHz GSM1900 Head SAR

DUT: SGH-F300; Serial: FD-163-G

Program Name: SGH-F300 GSM1900 Left (Job No. : FD-163)

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/m<sup>3</sup>

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) = 0.710 mW/g

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

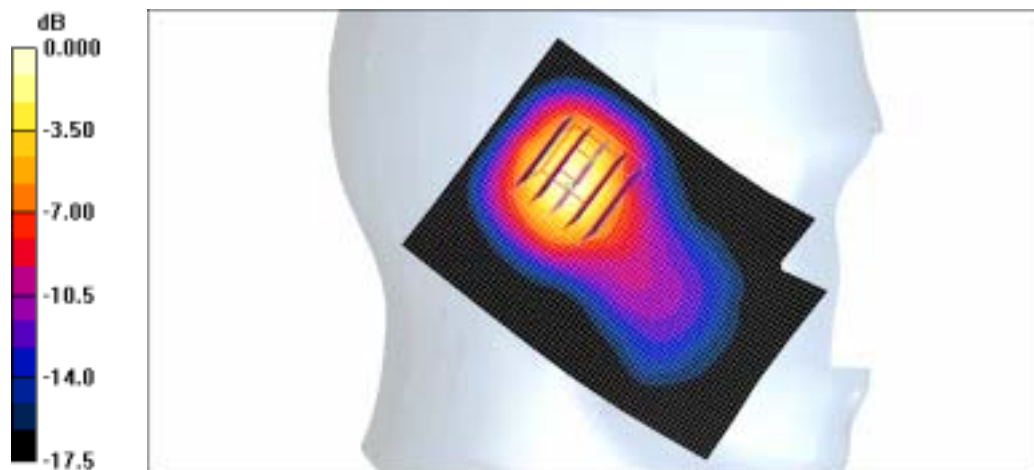
grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 19.4 V/m; Power Drift = 0.053 dB

Peak SAR (extrapolated) = 1.32 W/kg

**SAR(1 g) = 0.698 mW/g**

Maximum value of SAR (measured) = 0.769 mW/g



0 dB = 0.769mW/g

**SAMSUNG FCC ID : A3LSGHF300 - - 1900MHz GSM1900 Body SAR**

**DUT: SGH-F300(Body); Serial: FD-163-G**

**Program Name: SGH-F300 GSM1900 Body (Job No. : FD-163)**

**Procedure Name: Body, Ch.512, 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: 1850.2 MHz;Duty Cycle: 1:4.15**

**Medium parameters used:  $f = 1850.2$  MHz;  $\sigma = 1.51$  mho/m;  $\epsilon_r = 51.5$ ;  $\rho = 1000$  kg/m<sup>3</sup>**

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

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

**Reference Value = 11.3 V/m; Power Drift = -0.043 dB**

**Peak SAR (extrapolated) = 0.486 W/kg**

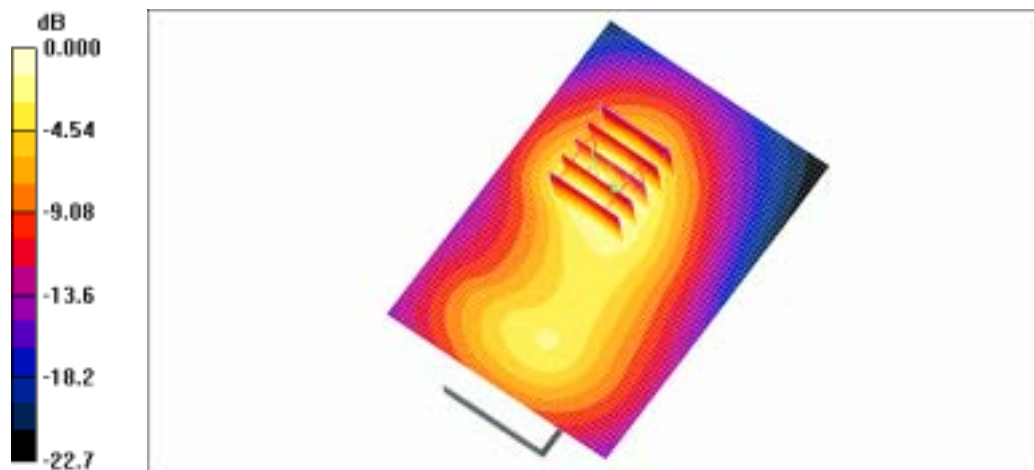
**SAR(1 g) = 0.312 mW/g**

**Maximum value of SAR (measured) = 0.342 mW/g**

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

**dx=20mm, dy=20mm**

**Maximum value of SAR (interpolated) = 0.328 mW/g**



0 dB = 0.328mW/g

**SAMSUNG FCC ID : A3LSGHF300 - - 1900MHz GSM1900 Head SAR**

**DUT: SGH-F300; Serial: FD-163-G**

**Program Name: SGH-F300 GSM1900 Left (Job No. : FD-163)**

**Procedure Name: Cheek/Touch, Ch.512, Ant.Intenna, Bat.Standard With BT On**

**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: 1850.2 MHz;Duty Cycle: 1:8.3**

**Medium parameters used:  $f = 1850.2$  MHz;  $\sigma = 1.39$  mho/m;  $\epsilon_r = 39$ ;  $\rho = 1000$  kg/m<sup>3</sup>**

**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.512, Ant.Intenna, Bat.Standard With BT On/Area Scan (51x71x1):**

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

Maximum value of SAR (interpolated) = 0.920 mW/g

**Cheek/Touch, Ch.512, Ant.Intenna, Bat.Standard With BT On/Zoom Scan (5x5x7)/Cube**

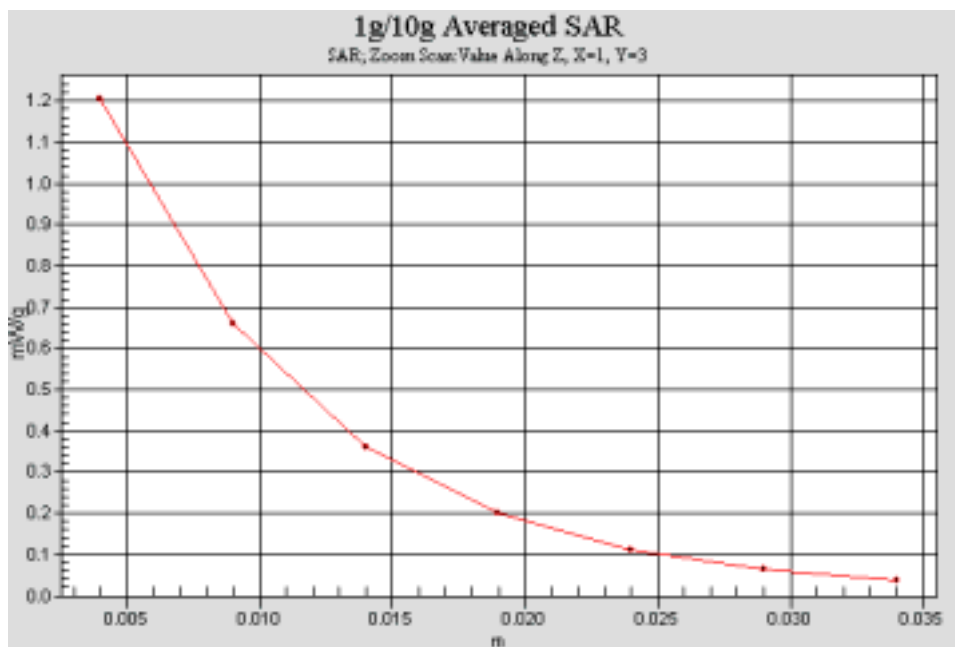
**0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 10.9 V/m; Power Drift = 0.032 dB

Peak SAR (extrapolated) = 2.03 W/kg

**SAR(1 g) = 1.07 mW/g**

Maximum value of SAR (measured) = 1.21 mW/g



SAMSUNG FCC ID : A3LSGHF300 - - 1900MHz GSM1900 Body SAR

DUT: SGH-F300(Body); Serial: FD-163-G

Program Name: SGH-F300 GSM1900 Body (Job No. : FD-163)

Procedure Name: Body, Ch.512, 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: 1850.2 MHz;Duty Cycle: 1:4.15

Medium parameters used:  $f = 1850.2$  MHz;  $\sigma = 1.51$  mho/m;  $\epsilon_r = 51.5$ ;  $\rho = 1000$  kg/m<sup>3</sup>

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

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

Reference Value = 11.3 V/m; Power Drift = -0.043 dB

Peak SAR (extrapolated) = 0.486 W/kg

**SAR(1 g) = 0.312 mW/g**

Maximum value of SAR (measured) = 0.342 mW/g

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

dx=20mm, dy=20mm

Maximum value of SAR (interpolated) = 0.328 mW/g

