

SAMSUNG FCC ID : A3LSGHX630 1900MHz GSM1900 Head SAR

DUT: SGH-X630; Serial: FD-042-B

Program Name: SGH-X630 GSM1900 Right (Job No. : FD-042)

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

Procedure Notes: Meas. Ambient Temp(celsius)-22.3, Tissue Temp(celsius)-22.1; Test Date-29/Mar/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;  $\sigma = 1.43$  mho/m;  $\epsilon_r = 39.2$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Right Section

DASY4 Configuration:

- Probe: EX3DV4 - SN3537; ConvF(8.04, 8.04, 8.04); Calibrated: 2005-11-22
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn468; Calibrated: 2006-01-27
- Phantom: PHANTOM #1; Type: SAM; Serial: TP-1143
- 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 = 20.2 V/m; Power Drift = -0.138 dB

Peak SAR (extrapolated) = 1.68 W/kg

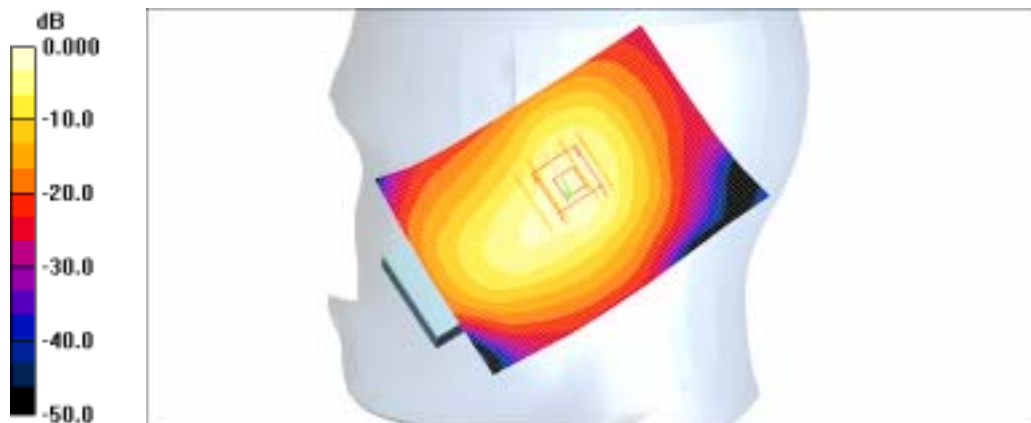
**SAR(1 g) = 1.02 mW/g**

Maximum value of SAR (measured) = 1.08 mW/g

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

grid: dx=20mm, dy=20mm

Maximum value of SAR (interpolated) = 1.20 mW/g



0 dB = 1.20mW/g

SAMSUNG FCC ID : A3LSGHX630 1900MHz GSM1900 Head SAR

DUT: SGH-X630; Serial: FD-042-B

Program Name: SGH-X630 GSM1900 Right (Job No. : FD-042)

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

Procedure Notes: Meas. Ambient Temp(celsius)-22.3, Tissue Temp(celsius)-22.1; Test Date-29/Mar/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;  $\sigma = 1.43$  mho/m;  $\epsilon_r = 39.2$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Right Section

DASY4 Configuration:

- Probe: EX3DV4 - SN3537; ConvF(8.04, 8.04, 8.04); Calibrated: 2005-11-22
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn468; Calibrated: 2006-01-27
- Phantom: PHANTOM #1; Type: SAM; Serial: TP-1143
- 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 = 17.1 V/m; Power Drift = 0.022 dB

Peak SAR (extrapolated) = 1.01 W/kg

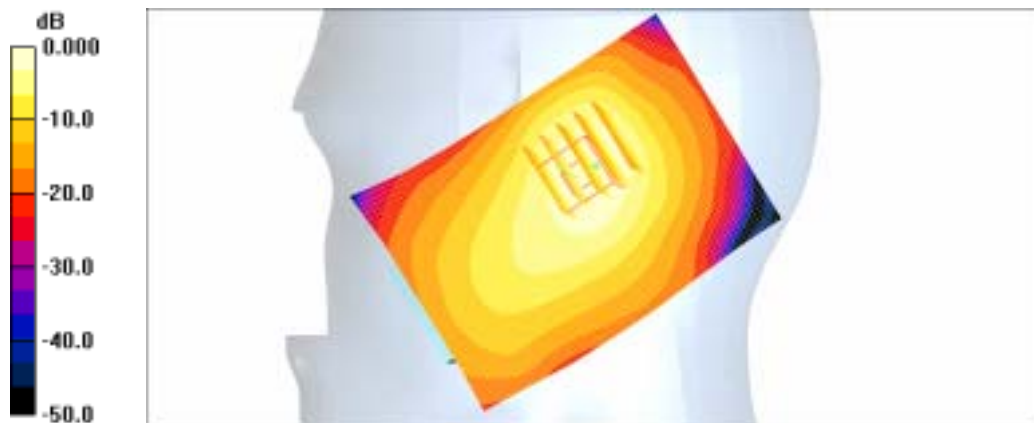
**SAR(1 g) = 0.558 mW/g**

Maximum value of SAR (measured) = 0.622 mW/g

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

dx=20mm, dy=20mm

Maximum value of SAR (interpolated) = 0.644 mW/g



0 dB = 0.644mW/g

SAMSUNG FCC ID : A3LSGHX630 1900MHz GSM1900 Head SAR

DUT: SGH-X630; Serial: FD-042-B

Program Name: SGH-X630 GSM1900 Left (Job No. : FD-042)

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

Procedure Notes: Meas. Ambient Temp(celsius)-22.3, Tissue Temp(celsius)-22.1; Test Date-29/Mar/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;  $\sigma = 1.43$  mho/m;  $\epsilon_r = 39.2$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Left Section

DASY4 Configuration:

- Probe: EX3DV4 - SN3537; ConvF(8.04, 8.04, 8.04); Calibrated: 2005-11-22
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn468; Calibrated: 2006-01-27
- Phantom: PHANTOM #1; Type: SAM; Serial: TP-1143
- 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 = 23.0 V/m; Power Drift = -0.005 dB

Peak SAR (extrapolated) = 1.79 W/kg

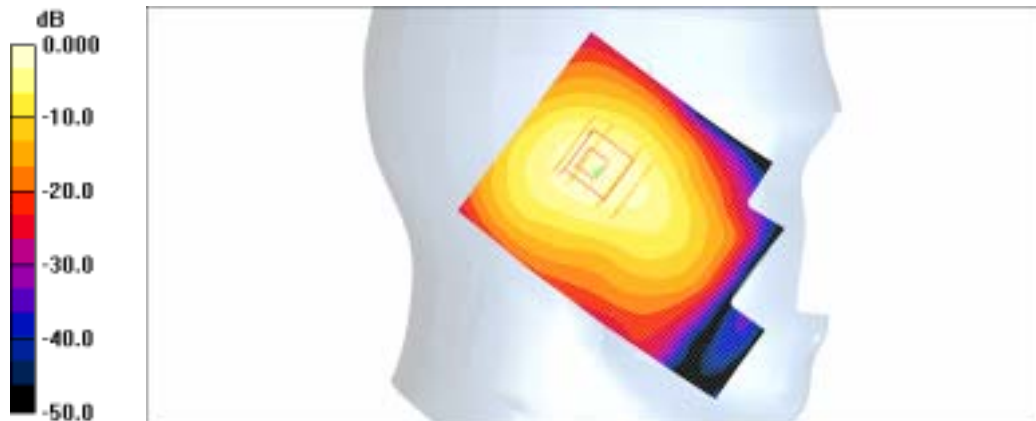
**SAR(1 g) = 1.17 mW/g**

Maximum value of SAR (measured) = 1.25 mW/g

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

grid: dx=20mm, dy=20mm

Maximum value of SAR (interpolated) = 1.38 mW/g



0 dB = 1.38mW/g

SAMSUNG FCC ID : A3LSGHX630 1900MHz GSM1900 Head SAR

DUT: SGH-X630; Serial: FD-042-B

Program Name: SGH-X630 GSM1900 Left (Job No. : FD-042)

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

Procedure Notes: Meas. Ambient Temp(celsius)-22.3, Tissue Temp(celsius)-22.1; Test Date-29/Mar/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;  $\sigma = 1.43$  mho/m;  $\epsilon_r = 39.2$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Left Section

DASY4 Configuration:

- Probe: EX3DV4 - SN3537; ConvF(8.04, 8.04, 8.04); Calibrated: 2005-11-22
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn468; Calibrated: 2006-01-27
- Phantom: PHANTOM #1; Type: SAM; Serial: TP-1143
- 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 = 18.3 V/m; Power Drift = 0.058 dB

Peak SAR (extrapolated) = 0.847 W/kg

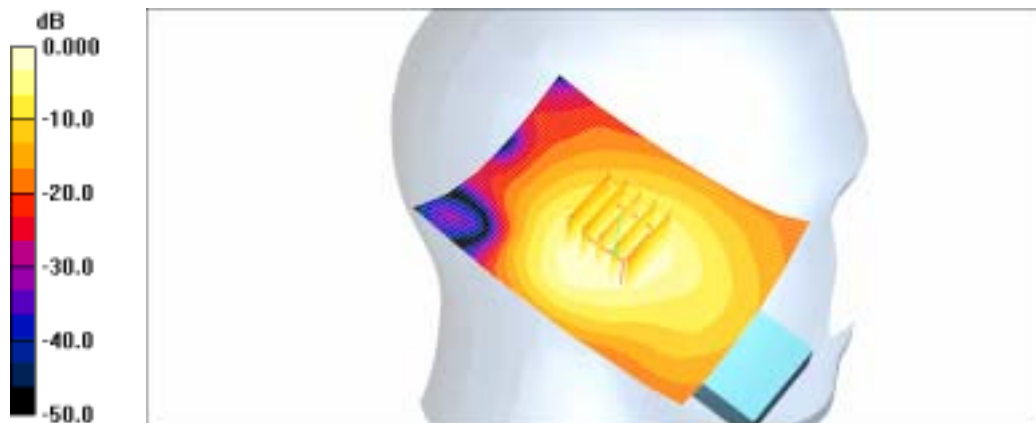
**SAR(1 g) = 0.534 mW/g**

Maximum value of SAR (measured) = 0.589 mW/g

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

dx=20mm, dy=20mm

Maximum value of SAR (interpolated) = 0.586 mW/g



0 dB = 0.586mW/g

SAMSUNG FCC ID : A3LSGHX630 1900MHz GSM1900 Head SAR

DUT: SGH-X630; Serial: FD-042-B

Program Name: SGH-X630 GSM1900 Left (Job No. : FD-042)

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

Procedure Notes: Meas. Ambient Temp(celsius)-22.3, Tissue Temp(celsius)-22.1; Test Date-29/Mar/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;  $\sigma = 1.43$  mho/m;  $\epsilon_r = 39.2$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Left Section

DASY4 Configuration:

- Probe: EX3DV4 - SN3537; ConvF(8.04, 8.04, 8.04); Calibrated: 2005-11-22
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn468; Calibrated: 2006-01-27
- Phantom: PHANTOM #1; Type: SAM; Serial: TP-1143
- Measurement SW: DASY4, V4.6 Build 23; Postprocessing SW: SEMCAD, V1.8 Build 160

**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) = 1.43 mW/g

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

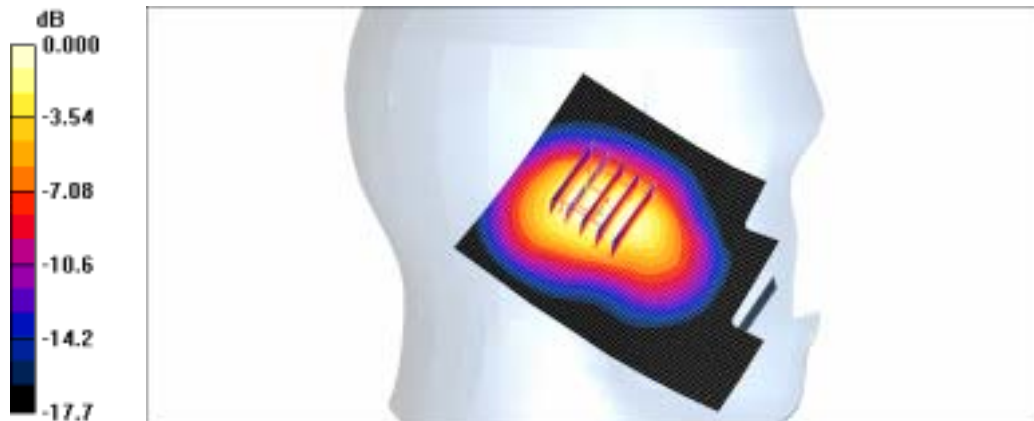
0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 23.0 V/m; Power Drift = -0.043 dB

Peak SAR (extrapolated) = 1.95 W/kg

**SAR(1 g) = 1.26 mW/g**

Maximum value of SAR (measured) = 1.36 mW/g



0 dB = 1.36mW/g

SAMSUNG FCC ID : A3LSGHX630 1900MHz GSM1900 Body SAR

DUT: SGH-X630; Serial: FD-042-B

Program Name: SGH-X630 GSM1900 Body (Job No. : FD-042)

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

Procedure Notes: Meas. Ambient Temp(celsius)-22.3, Tissue Temp(celsius)-22.1; Test Date-29/Mar/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;  $\sigma = 1.58$  mho/m;  $\epsilon_r = 52.5$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY4 Configuration:

- Probe: EX3DV4 - SN3537; ConvF(7.48, 7.48, 7.48); Calibrated: 2005-11-22
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn468; Calibrated: 2006-01-27
- Phantom: PHANTOM #2; Type: SAM; Serial: TP-1141
- Measurement SW: DASY4, V4.6 Build 23; Postprocessing SW: SEMCAD, V1.8 Build 160

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

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

Reference Value = 16.5 V/m; Power Drift = 0.009 dB

Peak SAR (extrapolated) = 0.714 W/kg

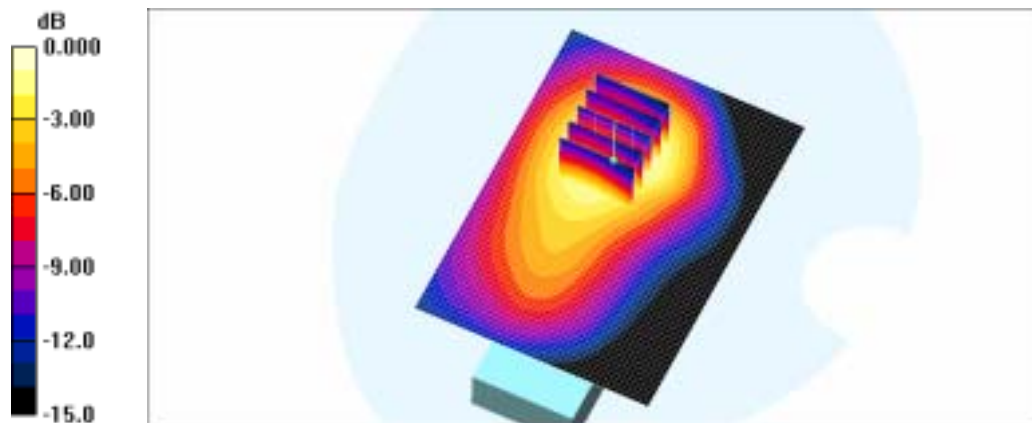
**SAR(1 g) = 0.486 mW/g**

Maximum value of SAR (measured) = 0.524 mW/g

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

$dx=20$ mm,  $dy=20$ mm

Maximum value of SAR (interpolated) = 0.527 mW/g



0 dB = 0.527mW/g

SAMSUNG FCC ID : A3LSGHX630 1900MHz GSM1900 Body SAR

DUT: SGH-X630; Serial: FD-042-B

Program Name: SGH-X630 GSM1900 Body (Job No. : FD-042)

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

Procedure Notes: Meas. Ambient Temp(celsius)-22.3, Tissue Temp(celsius)-22.1; Test Date-29/Mar/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;  $\sigma = 1.58$  mho/m;  $\epsilon_r = 52.5$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY4 Configuration:

- Probe: EX3DV4 - SN3537; ConvF(7.48, 7.48, 7.48); Calibrated: 2005-11-22
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn468; Calibrated: 2006-01-27
- Phantom: PHANTOM #2; Type: SAM; Serial: TP-1141
- Measurement SW: DASY4, V4.6 Build 23; Postprocessing SW: SEMCAD, V1.8 Build 160

**Body, Ch.512, Ant.Intenna, Bat.Standard With BT ON/Zoom Scan (5x5x7)/Cube 0:**

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

Reference Value = 14.8 V/m; Power Drift = -0.081 dB

Peak SAR (extrapolated) = 0.576 W/kg

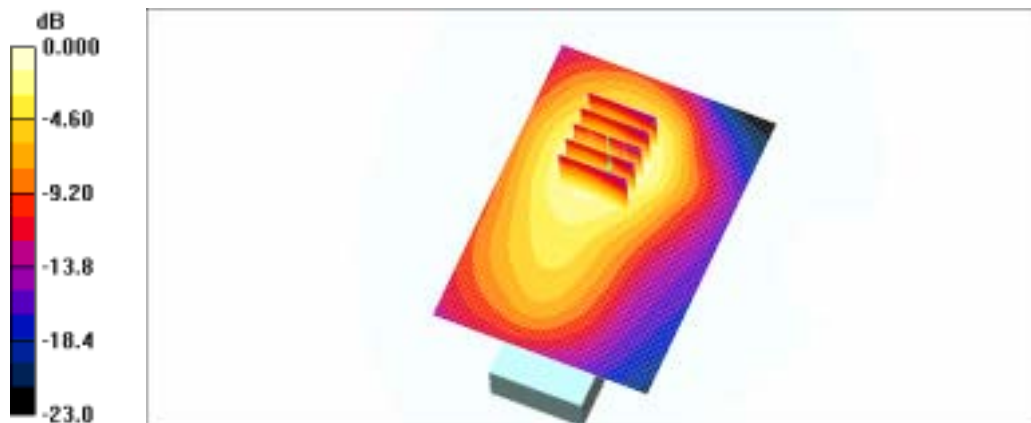
**SAR(1 g) = 0.390 mW/g**

Maximum value of SAR (measured) = 0.412 mW/g

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

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

Maximum value of SAR (interpolated) = 0.425 mW/g



0 dB = 0.425mW/g

SAMSUNG FCC ID : A3LSGHX630 1900MHz GSM1900 Head SAR

DUT: SGH-X630; Serial: FD-042-B

Program Name: SGH-X630 GSM1900 Left (Job No. : FD-042)

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

Procedure Notes: Meas. Ambient Temp(celsius)-22.3, Tissue Temp(celsius)-22.1; Test Date-29/Mar/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;  $\sigma = 1.43$  mho/m;  $\epsilon_r = 39.2$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Left Section

DASY4 Configuration:

- Probe: EX3DV4 - SN3537; ConvF(8.04, 8.04, 8.04); Calibrated: 2005-11-22
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn468; Calibrated: 2006-01-27
- Phantom: PHANTOM #1; Type: SAM; Serial: TP-1143
- Measurement SW: DASY4, V4.6 Build 23; Postprocessing SW: SEMCAD, V1.8 Build 160

**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) = 1.43 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 = 23.0 V/m; Power Drift = -0.043 dB

Peak SAR (extrapolated) = 1.95 W/kg

**SAR(1 g) = 1.26 mW/g**

Maximum value of SAR (measured) = 1.36 mW/g



SAMSUNG FCC ID : A3LSGHX630 1900MHz GSM1900 Body SAR

DUT: SGH-X630; Serial: FD-042-B

Program Name: SGH-X630 GSM1900 Body (Job No. : FD-042)

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

Procedure Notes: Meas. Ambient Temp(celsius)-22.3, Tissue Temp(celsius)-22.1; Test Date-29/Mar/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;  $\sigma = 1.58$  mho/m;  $\epsilon_r = 52.5$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY4 Configuration:

- Probe: EX3DV4 - SN3537; ConvF(7.48, 7.48, 7.48); Calibrated: 2005-11-22
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn468; Calibrated: 2006-01-27
- Phantom: PHANTOM #2; Type: SAM; Serial: TP-1141
- Measurement SW: DASY4, V4.6 Build 23; Postprocessing SW: SEMCAD, V1.8 Build 160

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

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

Reference Value = 16.5 V/m; Power Drift = 0.009 dB

Peak SAR (extrapolated) = 0.714 W/kg

**SAR(1 g) = 0.486 mW/g**

Maximum value of SAR (measured) = 0.524 mW/g

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

$dx=20$ mm,  $dy=20$ mm

Maximum value of SAR (interpolated) = 0.527 mW/g

