

## **APPENDIX G**

### **Plots of The SAR Measurements**

## SAMSUNG FCC ID : A3LSGHC216 -- 835MHz GSM850 Head SAR

**DUT: SGH-C216; Serial: FC-078-F**

**Program Name: SGH-C216 GSM850 Right (Job No. : FC-078)**

**Procedure Name: Cheek/Touch, Ch.251, Ant.Intenna, Bat.Standard**

**Procedure Notes: Meas.Tissue Temp(celsius)-21.7; Test Date-02/June/2005 [OET Bulletin 65-Supplement C, July 2001]**

Communication System: GSM850; Frequency: 848.8 MHz; Duty Cycle: 1:8.3

Medium parameters used:  $f = 848.8$  MHz;  $\sigma = 0.92$  mho/m;  $\epsilon_r = 42.1$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Right Section

DASY4 Configuration:

- Probe: EX3DV4 - SN3537; ConvF(9.24, 9.24, 9.24); Calibrated: 2004-12-15
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn468; Calibrated: 2004-12-07
- Phantom: SAM 1800/1900 MHz; Type: SAM; Serial: TP-1248
- Measurement SW: DASY4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 146

**Cheek/Touch, Ch.251, Ant.Intenna, Bat.Standard/Area Scan (41x71x1):** Measurement grid: dx=20mm, dy=20mm  
Maximum value of SAR (interpolated) = 0.428 mW/g

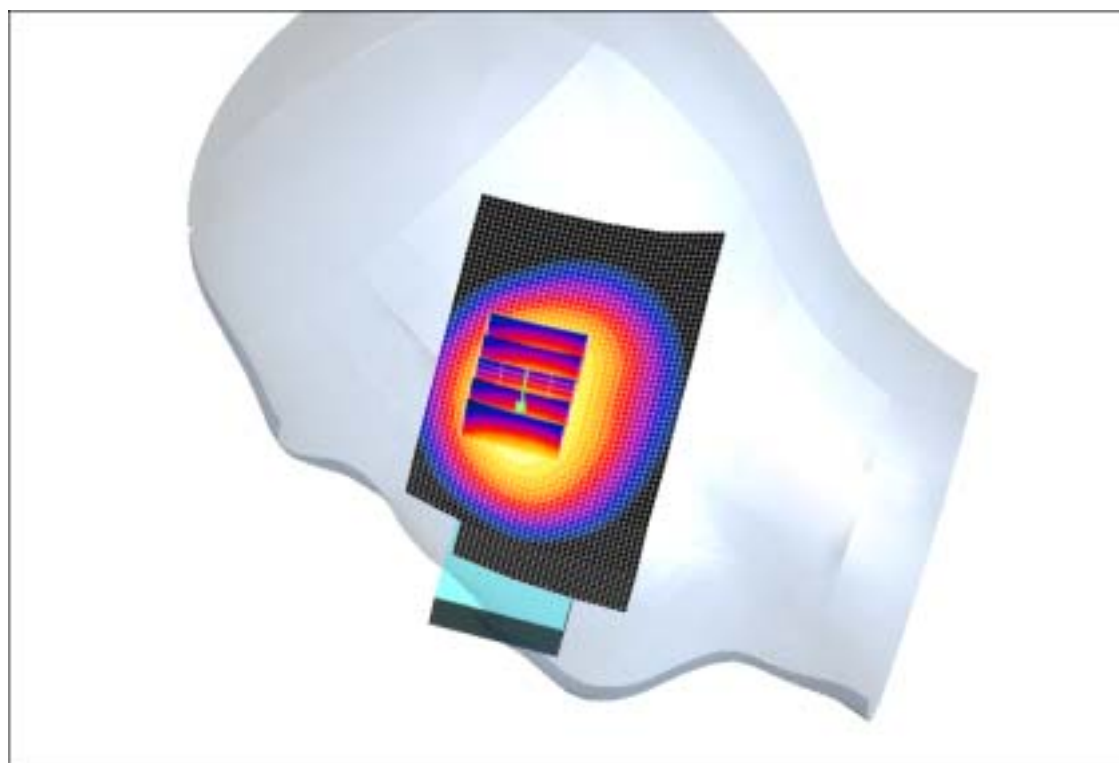
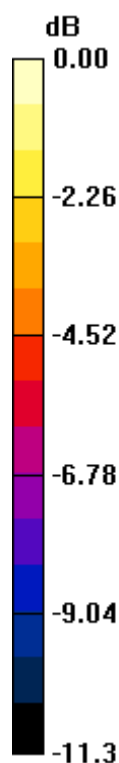
**Cheek/Touch, Ch.251, Ant.Intenna, Bat.Standard/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 16.5 V/m; Power Drift = 0.118 dB

Peak SAR (extrapolated) = 0.533 W/kg

**SAR(1 g) = 0.381 mW/g**

Maximum value of SAR (measured) = 0.405 mW/g



0 dB = 0.405mW/g

## SAMSUNG FCC ID : A3LSGHC216 -- 835MHz GSM850 Head SAR

**DUT: SGH-C216; Serial: FC-078-F**

**Program Name: SGH-C216 GSM850 Right (Job No. : FC-078)**

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

**Procedure Notes: Meas.Tissue Temp(celsius)-21.7; Test Date-02/June/2005 [OET Bulletin 65-Supplement C, July 2001]**

Communication System: GSM850; Frequency: 836.6 MHz; Duty Cycle: 1:8.3

Medium parameters used:  $f = 836.6$  MHz;  $\sigma = 0.92$  mho/m;  $\epsilon_r = 42.1$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Right Section

DASY4 Configuration:

- Probe: EX3DV4 - SN3537; ConvF(9.24, 9.24, 9.24); Calibrated: 2004-12-15
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn468; Calibrated: 2004-12-07
- Phantom: SAM 1800/1900 MHz; Type: SAM; Serial: TP-1248
- Measurement SW: DASY4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 146

**Ear/Tilt, Ch.190, Ant.Intenna, Bat.Standard/Area Scan (41x71x1):** Measurement grid: dx=20mm, dy=20mm

Maximum value of SAR (interpolated) = 0.244 mW/g

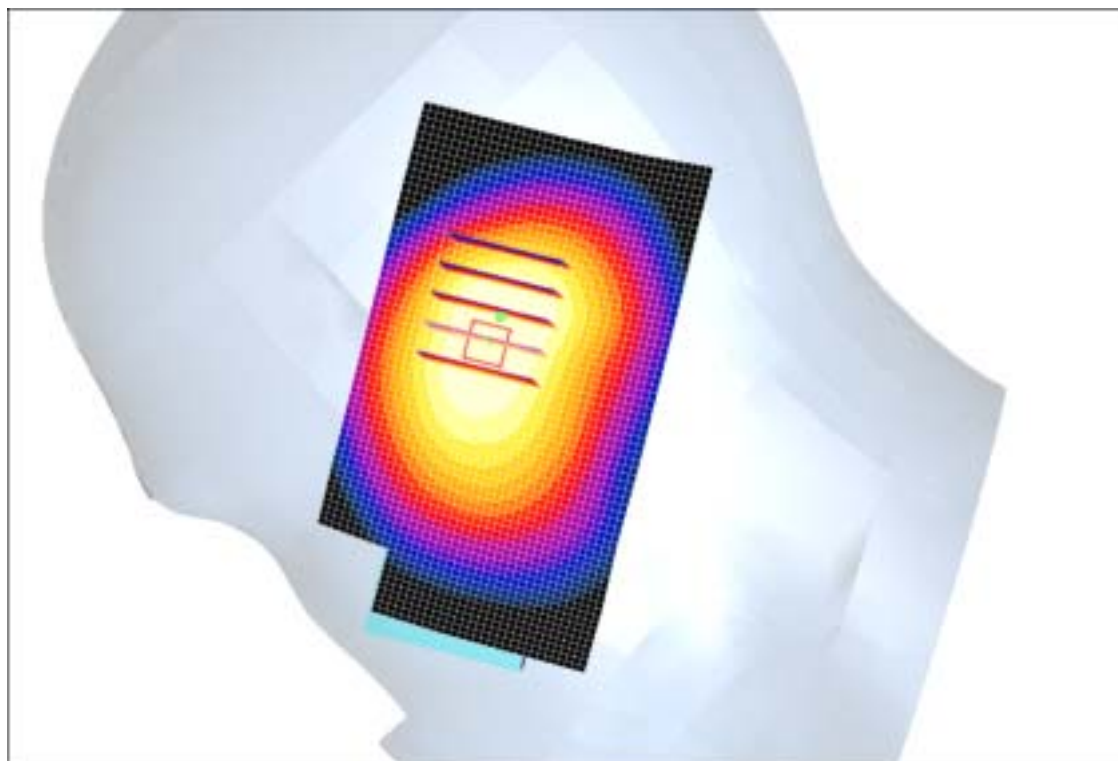
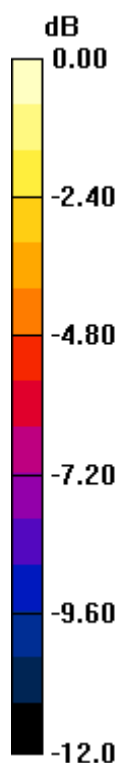
**Ear/Tilt, Ch.190, Ant.Intenna, Bat.Standard/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 14.6 V/m; Power Drift = -0.069 dB

Peak SAR (extrapolated) = 0.274 W/kg

**SAR(1 g) = 0.205 mW/g**

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



0 dB = 0.218mW/g

## SAMSUNG FCC ID : A3LSGHC216 -- 835MHz GSM850 Head SAR

**DUT: SGH-C216; Serial: FC-078-F**

**Program Name: SGH-C216 GSM850 Left (Job No. : FC-078)**

**Procedure Name: Cheek/Touch, Ch.251, Ant.Intenna, Bat.Standard**

**Procedure Notes: Meas.Tissue Temp(celsius)-21.7; Test Date-02/June/2005 [OET Bulletin 65-Supplement C, July 2001]**

Communication System: GSM850; Frequency: 848.8 MHz; Duty Cycle: 1:8.3

Medium parameters used:  $f = 848.8$  MHz;  $\sigma = 0.92$  mho/m;  $\epsilon_r = 42.1$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Left Section

DASY4 Configuration:

- Probe: EX3DV4 - SN3537; ConvF(9.24, 9.24, 9.24); Calibrated: 2004-12-15
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn468; Calibrated: 2004-12-07
- Phantom: SAM 1800/1900 MHz; Type: SAM; Serial: TP-1248
- Measurement SW: DASY4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 146

**Cheek/Touch, Ch.251, Ant.Intenna, Bat.Standard/Area Scan (41x71x1):** Measurement grid: dx=20mm, dy=20mm  
Maximum value of SAR (interpolated) = 0.452 mW/g

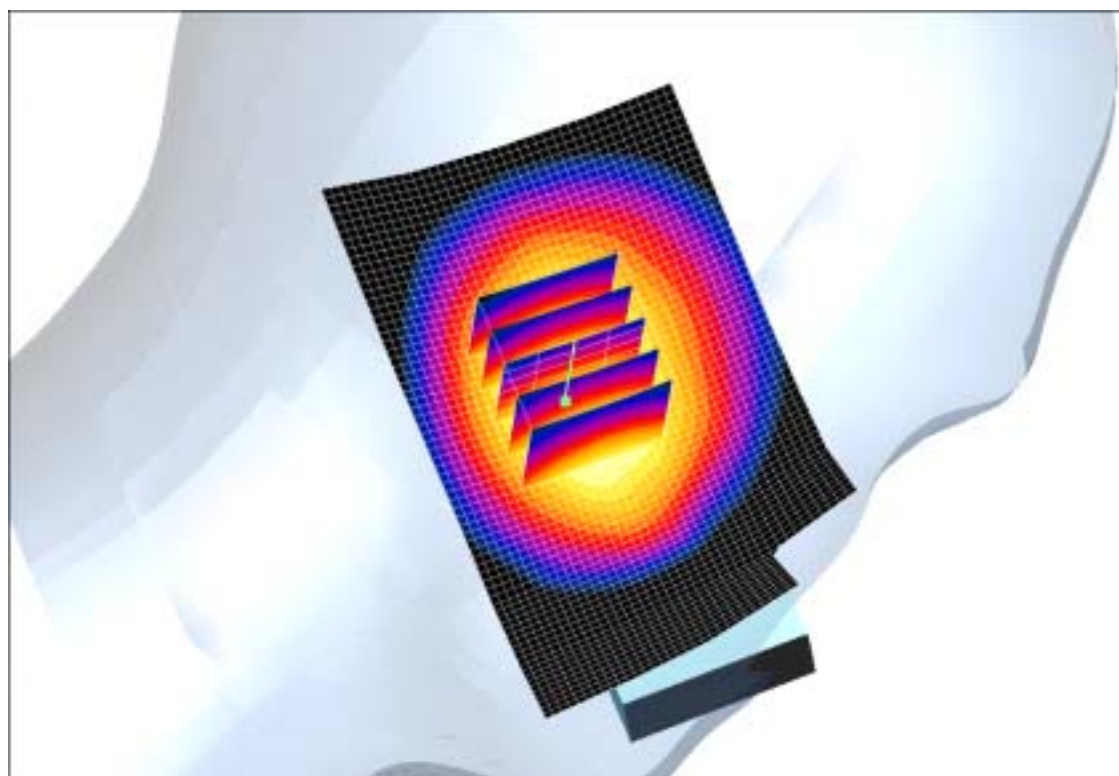
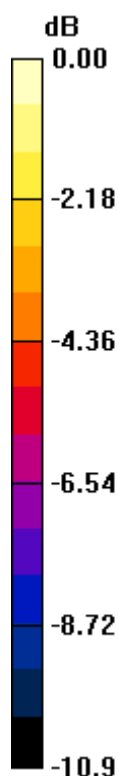
**Cheek/Touch, Ch.251, Ant.Intenna, Bat.Standard/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 16.9 V/m; Power Drift = 0.040 dB

Peak SAR (extrapolated) = 0.557 W/kg

**SAR(1 g) = 0.408 mW/g**

Maximum value of SAR (measured) = 0.428 mW/g



0 dB = 0.428mW/g

## SAMSUNG FCC ID : A3LSGHC216 -- 835MHz GSM850 Head SAR

**DUT: SGH-C216; Serial: FC-078-F**

**Program Name: SGH-C216 GSM850 Left (Job No. : FC-078)**

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

**Procedure Notes: Meas.Tissue Temp(celsius)-21.7; Test Date-02/June/2005 [OET Bulletin 65-Supplement C, July 2001]**

Communication System: GSM850; Frequency: 836.6 MHz; Duty Cycle: 1:8.3

Medium parameters used:  $f = 836.6$  MHz;  $\sigma = 0.92$  mho/m;  $\epsilon_r = 42.1$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Left Section

DASY4 Configuration:

- Probe: EX3DV4 - SN3537; ConvF(9.24, 9.24, 9.24); Calibrated: 2004-12-15
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn468; Calibrated: 2004-12-07
- Phantom: SAM 1800/1900 MHz; Type: SAM; Serial: TP-1248
- Measurement SW: DASY4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 146

**Ear/Tilt, Ch.190, Ant.Intenna, Bat.Standard/Area Scan (41x71x1):** Measurement grid: dx=20mm, dy=20mm

Maximum value of SAR (interpolated) = 0.253 mW/g

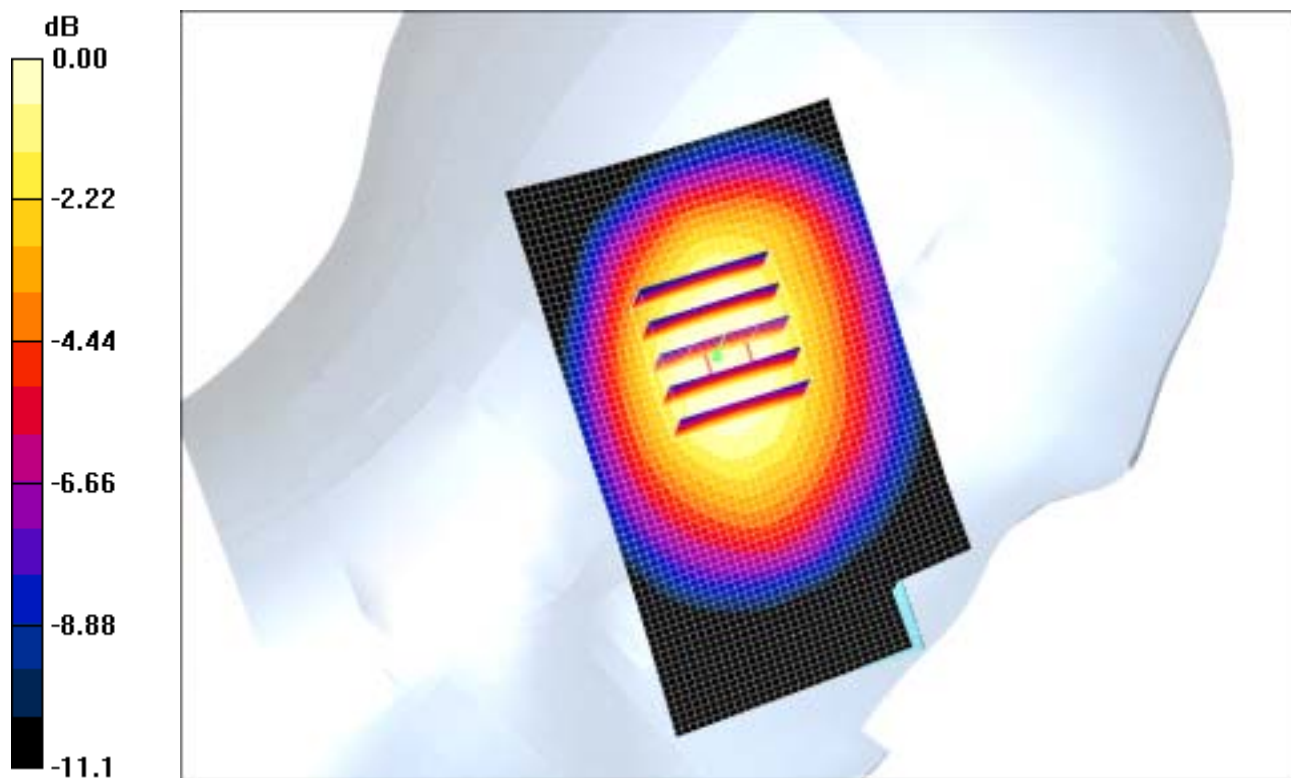
**Ear/Tilt, Ch.190, Ant.Intenna, Bat.Standard/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 14.7 V/m; Power Drift = 0.034 dB

Peak SAR (extrapolated) = 0.302 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 : A3LSGHC216 -- 1900MHz GSM1900 Head SAR

**DUT: SGH-C216; Serial: FC-078-F**

**Program Name: SGH-C216 GSM1900 Right (Job No. : FC-078)**

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

**Procedure Notes: Meas.Tissue Temp(celsius)-21.6; Test Date-02/June/2005 [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;  $\sigma = 1.4$  mho/m;  $\epsilon_r = 39.3$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Right Section

DASY4 Configuration:

- Probe: EX3DV4 - SN3537; ConvF(8.29, 8.29, 8.29); Calibrated: 2004-12-15
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn468; Calibrated: 2004-12-07
- Phantom: SAM 1800/1900 MHz; Type: SAM; Serial: TP-1248
- Measurement SW: DASY4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 146

**Cheek/Touch, Ch.810, Ant.Intenna, Bat.Standard/Area Scan (41x71x1):** Measurement grid: dx=20mm, dy=20mm  
Maximum value of SAR (interpolated) = 0.409 mW/g

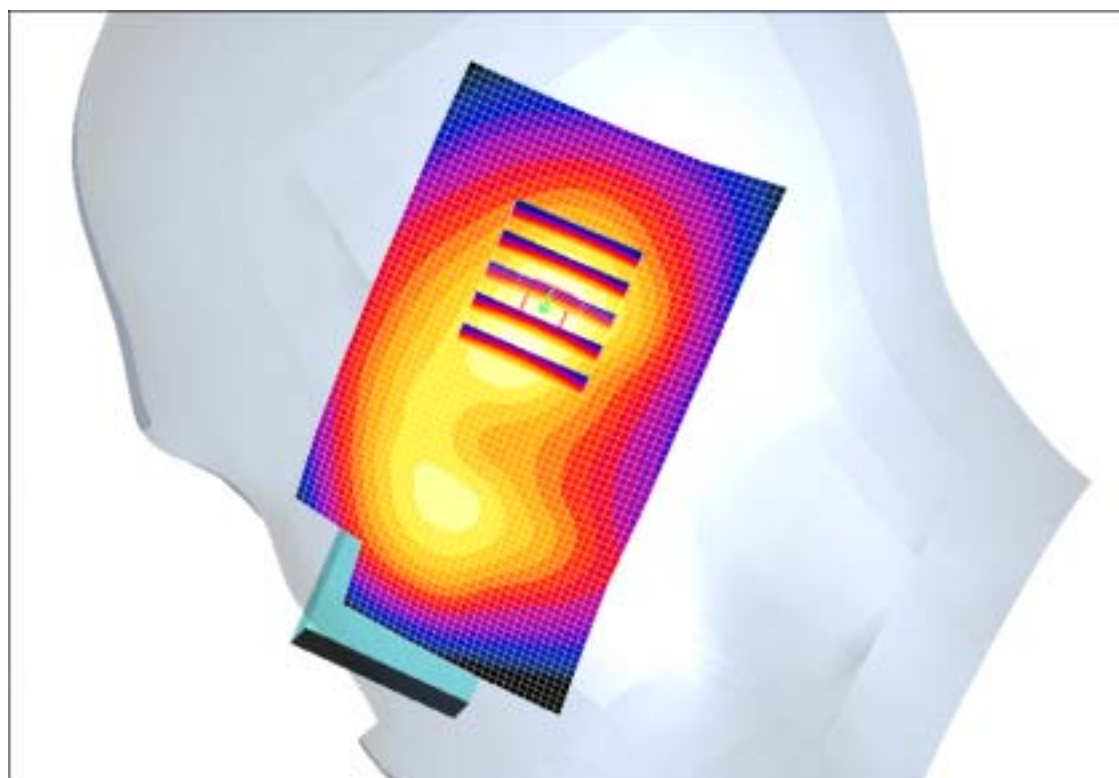
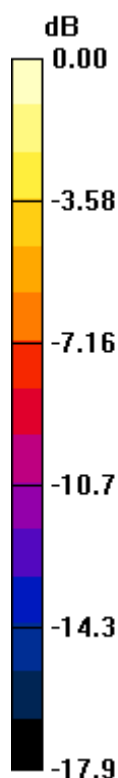
**Cheek/Touch, Ch.810, Ant.Intenna, Bat.Standard/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 16.2 V/m; Power Drift = 0.096 dB

Peak SAR (extrapolated) = 0.616 W/kg

**SAR(1 g) = 0.379 mW/g**

Maximum value of SAR (measured) = 0.414 mW/g



0 dB = 0.414mW/g



## SAMSUNG FCC ID : A3LSGHC216 -- 1900MHz GSM1900 Head SAR

**DUT: SGH-C216; Serial: FC-078-F**

**Program Name: SGH-C216 GSM1900 Right (Job No. : FC-078)**

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

**Procedure Notes: Meas.Tissue Temp(celsius)-21.6; Test Date-02/June/2005 [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;  $\sigma = 1.4$  mho/m;  $\epsilon_r = 39.3$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Right Section

DASY4 Configuration:

- Probe: EX3DV4 - SN3537; ConvF(8.29, 8.29, 8.29); Calibrated: 2004-12-15
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn468; Calibrated: 2004-12-07
- Phantom: SAM 1800/1900 MHz; Type: SAM; Serial: TP-1248
- Measurement SW: DASY4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 146

**Ear/Tilt, Ch.661, Ant.Intenna, Bat.Standard/Area Scan (41x71x1):** Measurement grid: dx=20mm, dy=20mm

Maximum value of SAR (interpolated) = 0.371 mW/g

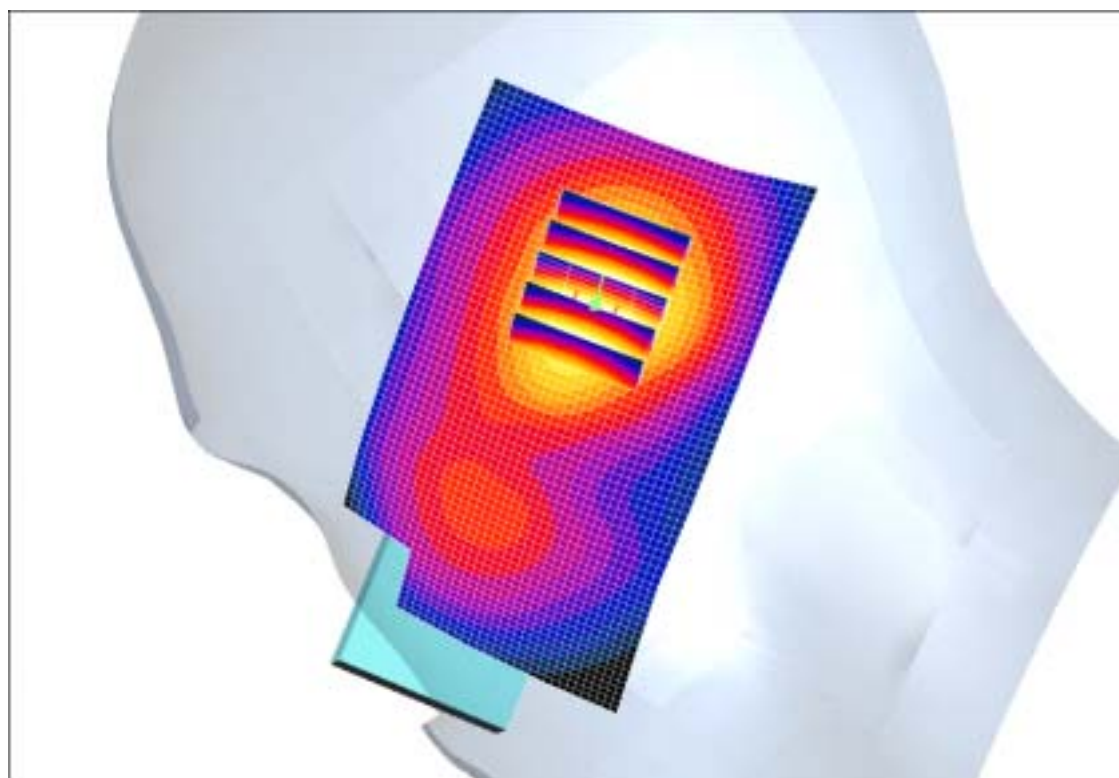
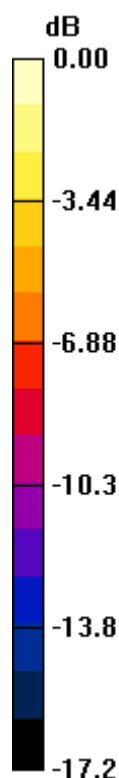
**Ear/Tilt, Ch.661, Ant.Intenna, Bat.Standard/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 16.2 V/m; Power Drift = -0.072 dB

Peak SAR (extrapolated) = 0.556 W/kg

**SAR(1 g) = 0.333 mW/g**

Maximum value of SAR (measured) = 0.367 mW/g



0 dB = 0.367mW/g

## SAMSUNG FCC ID : A3LSGHC216 -- 1900MHz GSM1900 Head SAR

**DUT: SGH-C216; Serial: FC-078-F**

**Program Name: SGH-C216 GSM1900 Left (Job No. : FC-078)**

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

**Procedure Notes: Meas.Tissue Temp(celsius)-21.6; Test Date-02/June/2005 [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;  $\sigma = 1.4$  mho/m;  $\epsilon_r = 39.3$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Left Section

DASY4 Configuration:

- Probe: EX3DV4 - SN3537; ConvF(8.29, 8.29, 8.29); Calibrated: 2004-12-15
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn468; Calibrated: 2004-12-07
- Phantom: SAM 1800/1900 MHz; Type: SAM; Serial: TP-1248
- Measurement SW: DASY4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 146

**Cheek/Touch, Ch.810, Ant.Intenna, Bat.Standard/Area Scan (41x71x1):** Measurement grid: dx=20mm, dy=20mm  
Maximum value of SAR (interpolated) = 0.414 mW/g

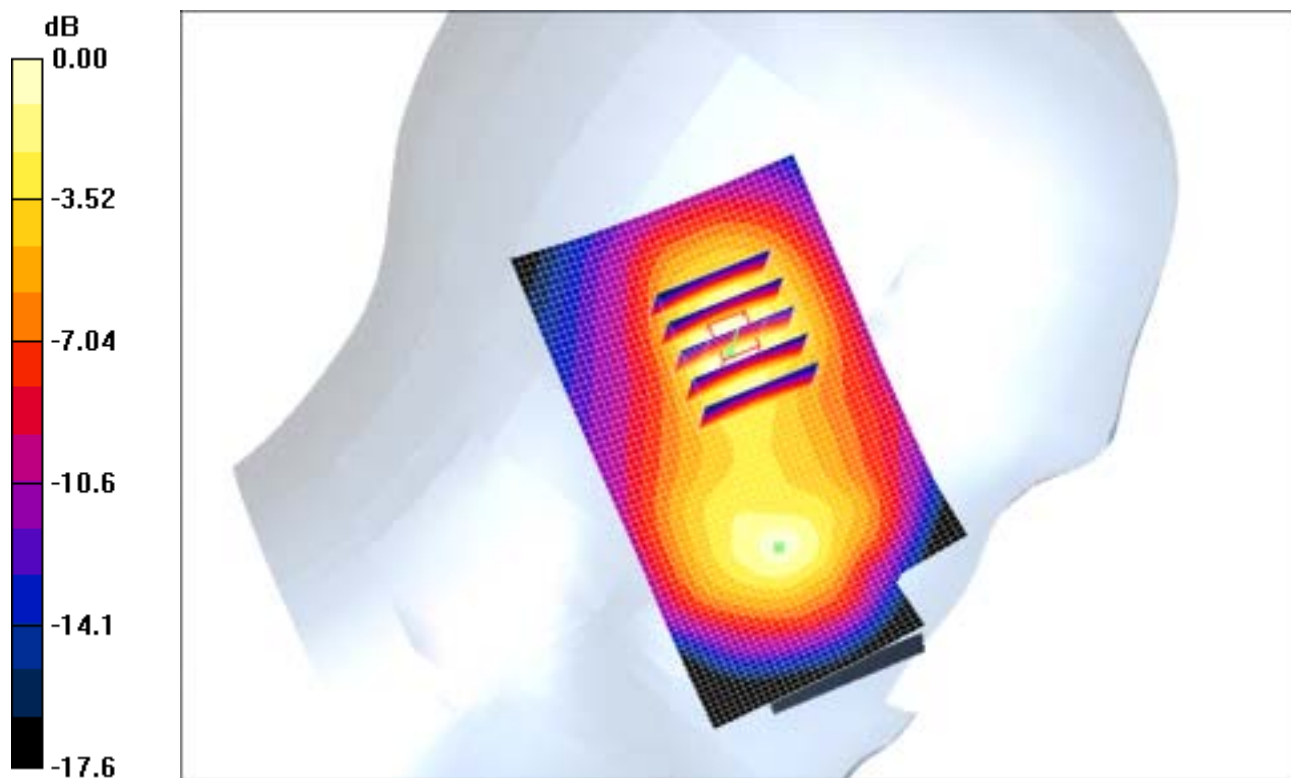
**Cheek/Touch, Ch.810, Ant.Intenna, Bat.Standard/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 15.4 V/m; Power Drift = 0.00 dB

Peak SAR (extrapolated) = 0.672 W/kg

**SAR(1 g) = 0.408 mW/g**

Maximum value of SAR (measured) = 0.434 mW/g



0 dB = 0.434mW/g



## SAMSUNG FCC ID : A3LSGHC216 -- 1900MHz GSM1900 Head SAR

**DUT: SGH-C216; Serial: FC-078-F**

**Program Name: SGH-C216 GSM1900 Left (Job No. : FC-078)**

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

**Procedure Notes: Meas.Tissue Temp(celsius)-21.6; Test Date-02/June/2005 [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;  $\sigma = 1.4$  mho/m;  $\epsilon_r = 39.3$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Left Section

DASY4 Configuration:

- Probe: EX3DV4 - SN3537; ConvF(8.29, 8.29, 8.29); Calibrated: 2004-12-15
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn468; Calibrated: 2004-12-07
- Phantom: SAM 1800/1900 MHz; Type: SAM; Serial: TP-1248
- Measurement SW: DASY4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 146

**Ear/Tilt, Ch.661, Ant.Intenna, Bat.Standard/Area Scan (41x71x1):** Measurement grid: dx=20mm, dy=20mm

Maximum value of SAR (interpolated) = 0.399 mW/g

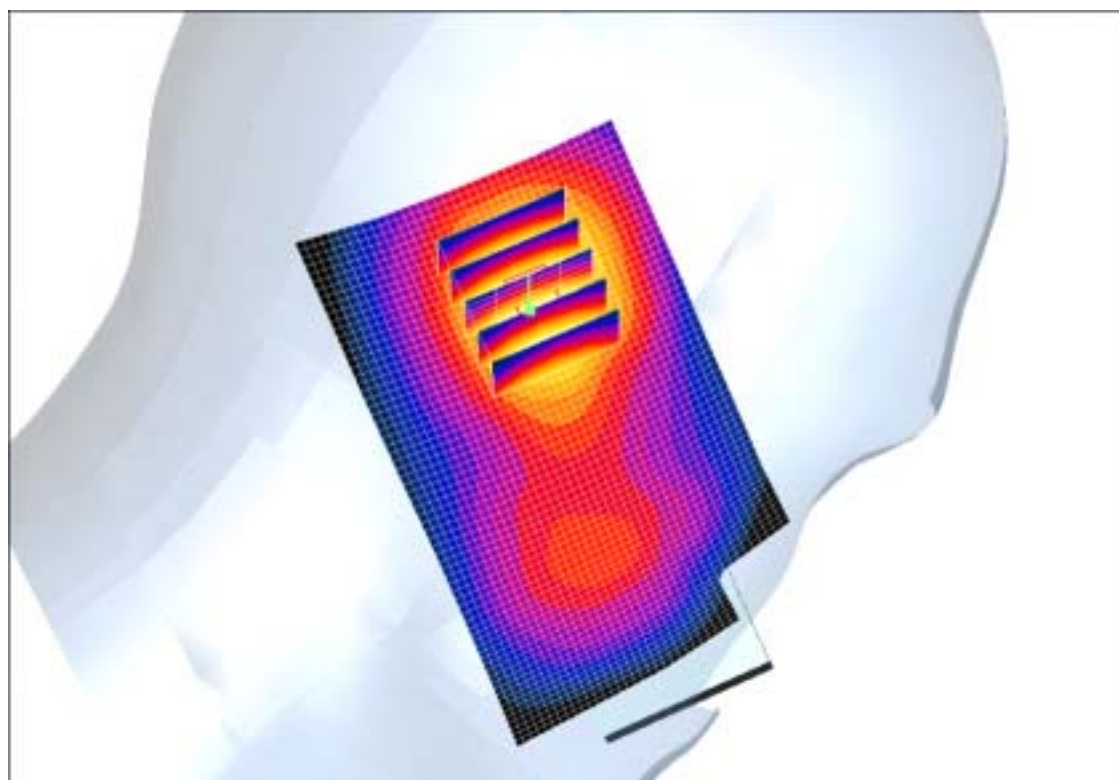
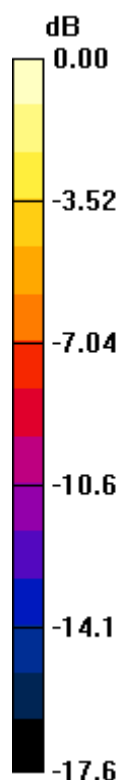
**Ear/Tilt, Ch.661, Ant.Intenna, Bat.Standard/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 16.3 V/m; Power Drift = -0.040 dB

Peak SAR (extrapolated) = 0.635 W/kg

**SAR(1 g) = 0.379 mW/g**

Maximum value of SAR (measured) = 0.415 mW/g



0 dB = 0.415mW/g

## SAMSUNG FCC ID : A3LSGHC216 -- 835MHz GSM850 Body SAR

**DUT: SGH-C216(Body); Serial: FC-078-F**

**Program Name: SGH-C216 GSM850 Body (Job No. : FC-078)**

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

**Procedure Notes: Meas.Tissue Temp(celsius)-21.9;Test Date-02/June/2005[OET Bulletin 65-Supplement C, July 2001]**

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

Medium parameters used:  $f = 836.6$  MHz;  $\sigma = 0.96$  mho/m;  $\epsilon_r = 53.6$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY4 Configuration:

- Probe: EX3DV4 - SN3537; ConvF(9.83, 9.83, 9.83); Calibrated: 2004-12-15
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn468; Calibrated: 2004-12-07
- Phantom: SAM 835/900 MHz; Type: SAM; Serial: TP-1247
- Measurement SW: DASY4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 146

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

Maximum value of SAR (interpolated) = 0.543 mW/g

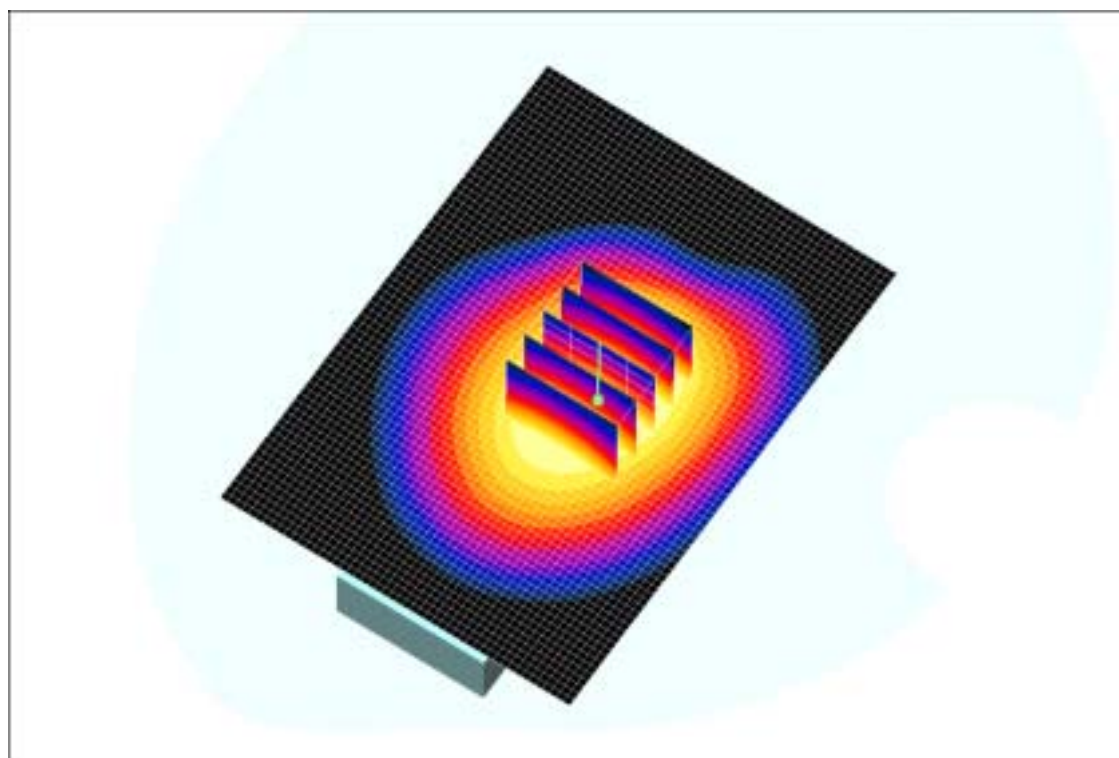
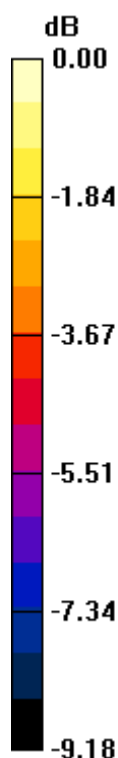
**Body, Ch.190, Ant.Intenna, Bat.Standard/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 15.3 V/m; Power Drift = -0.082 dB

Peak SAR (extrapolated) = 0.651 W/kg

**SAR(1 g) = 0.498 mW/g**

Maximum value of SAR (measured) = 0.525 mW/g



0 dB = 0.525mW/g

## SAMSUNG FCC ID : A3LSGHC216 -- 1900MHz GSM1900 Body SAR

**DUT: SGH-C216(Body); Serial: FC-078-F**

**Program Name: SGH-C216 GSM1900 Body (Job No. : FC-078)**

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

**Procedure Notes: Meas.Tissue Temp(celsius)-21.6;Test Date-02/June/2005[OET Bulletin 65-Supplement C, July 2001]**

Communication System: GSM 1900 GPRS; Frequency: 1909.8 MHz;Duty Cycle: 1:4.15

Medium parameters used:  $f = 1909.8$  MHz;  $\sigma = 1.53$  mho/m;  $\epsilon_r = 51.3$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY4 Configuration:

- Probe: EX3DV4 - SN3537; ConvF(7.76, 7.76, 7.76); Calibrated: 2004-12-15
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn468; Calibrated: 2004-12-07
- Phantom: SAM 835/900 MHz; Type: SAM; Serial: TP-1247
- Measurement SW: DASY4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 146

**Body, Ch.810, Ant.Intenna, Bat.Standard/Area Scan (51x71x1):** Measurement grid: dx=20mm, dy=20mm

Maximum value of SAR (interpolated) = 0.363 mW/g

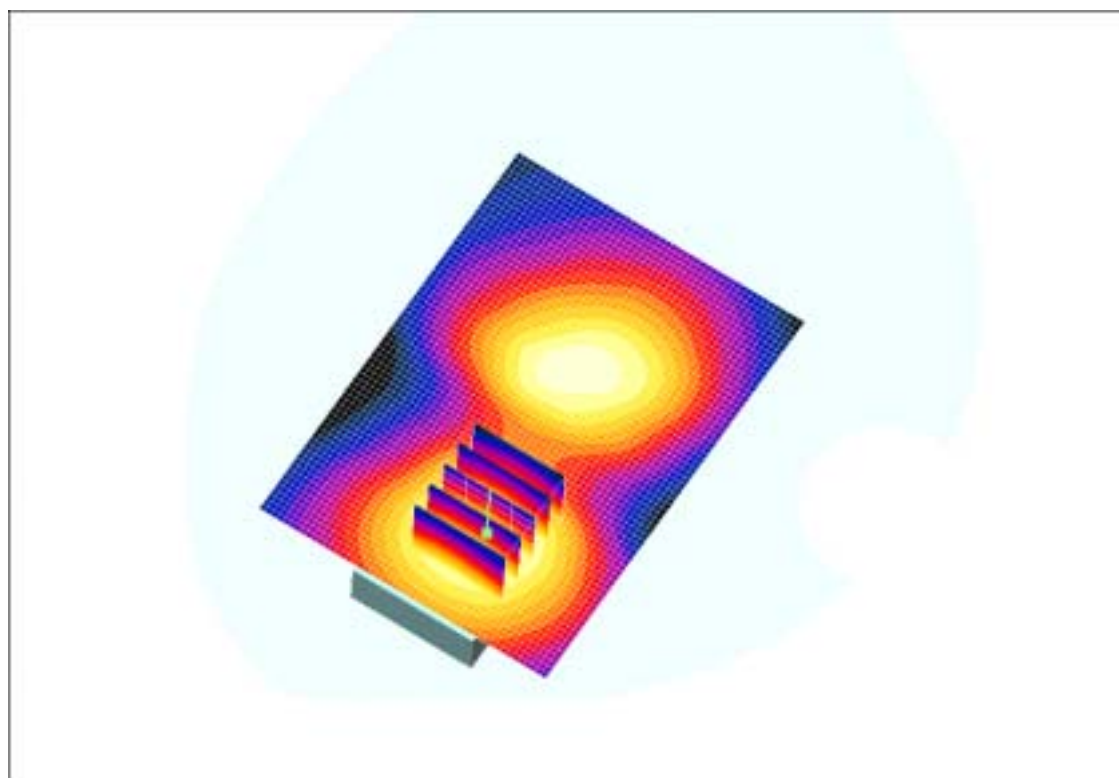
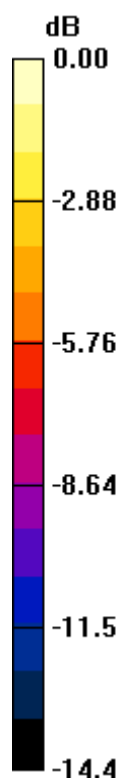
**Body, Ch.810, Ant.Intenna, Bat.Standard/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 11.5 V/m; Power Drift = 0.01 dB

Peak SAR (extrapolated) = 0.469 W/kg

**SAR(1 g) = 0.322 mW/g**

Maximum value of SAR (measured) = 0.349 mW/g



0 dB = 0.349mW/g

## SAMSUNG FCC ID : A3LSGHC216 -- 835MHz GSM850 Head SAR

**DUT: SGH-C216; Serial: FC-078-F**

**Program Name: SGH-C216 GSM850 Left (Job No. : FC-078)**

**Procedure Name: Cheek/Touch, Ch.251, Ant.Intenna, Bat.Standard**

**Procedure Notes: Meas.Tissue Temp(celsius)-21.7; Test Date-02/June/2005 [OET Bulletin 65-Supplement C, July 2001]**

Communication System: GSM850; Frequency: 848.8 MHz; Duty Cycle: 1:8.3

Medium parameters used:  $f = 848.8$  MHz;  $\sigma = 0.92$  mho/m;  $\epsilon_r = 42.1$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Left Section

DASY4 Configuration:

- Probe: EX3DV4 - SN3537; ConvF(9.24, 9.24, 9.24); Calibrated: 2004-12-15
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn468; Calibrated: 2004-12-07
- Phantom: SAM 1800/1900 MHz; Type: SAM; Serial: TP-1248
- Measurement SW: DASY4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 146

**Cheek/Touch, Ch.251, Ant.Intenna, Bat.Standard/Area Scan (41x71x1):** Measurement grid: dx=20mm, dy=20mm  
Maximum value of SAR (interpolated) = 0.452 mW/g

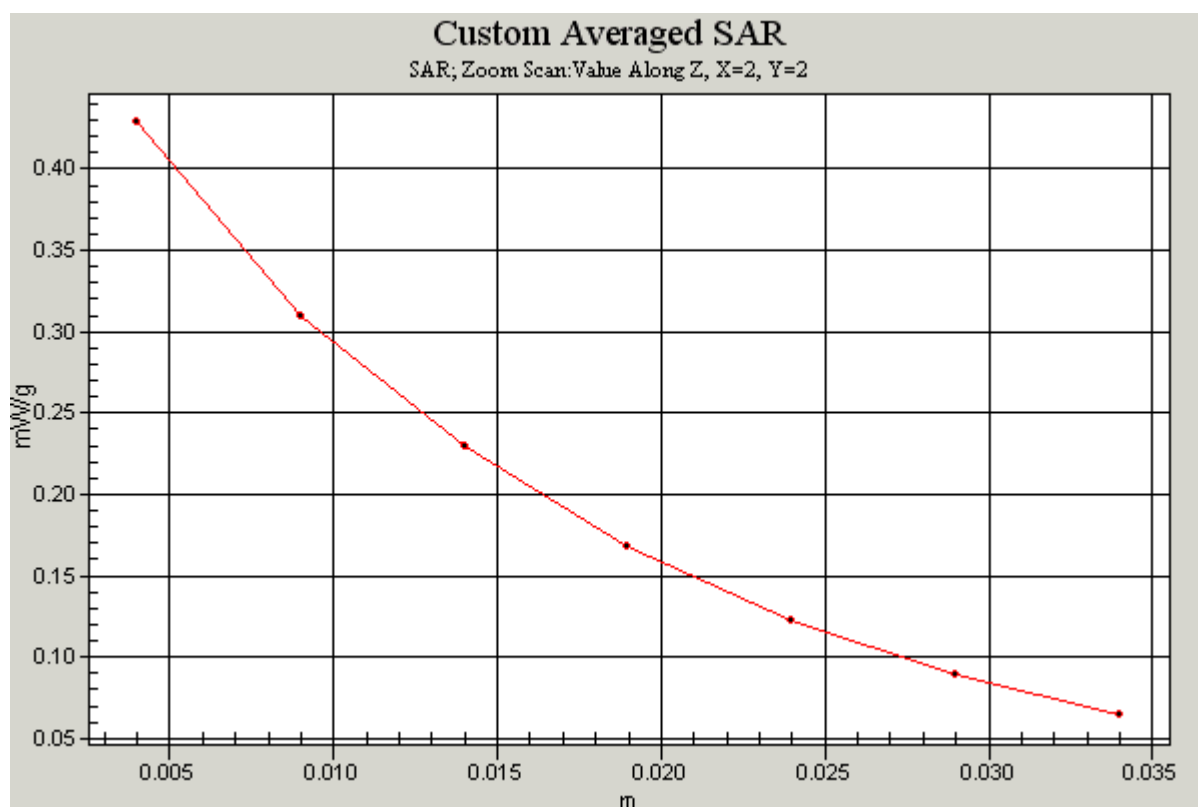
**Cheek/Touch, Ch.251, Ant.Intenna, Bat.Standard/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 16.9 V/m; Power Drift = 0.040 dB

Peak SAR (extrapolated) = 0.557 W/kg

**SAR(1 g) = 0.408 mW/g**

Maximum value of SAR (measured) = 0.428 mW/g



## SAMSUNG FCC ID : A3LSGHC216 -- 1900MHz GSM1900 Head SAR

**DUT: SGH-C216; Serial: FC-078-F**

**Program Name: SGH-C216 GSM1900 Left (Job No. : FC-078)**

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

**Procedure Notes: Meas.Tissue Temp(celsius)-21.6; Test Date-02/June/2005 [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;  $\sigma = 1.4$  mho/m;  $\epsilon_r = 39.3$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Left Section

DASY4 Configuration:

- Probe: EX3DV4 - SN3537; ConvF(8.29, 8.29, 8.29); Calibrated: 2004-12-15
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn468; Calibrated: 2004-12-07
- Phantom: SAM 1800/1900 MHz; Type: SAM; Serial: TP-1248
- Measurement SW: DASY4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 146

**Cheek/Touch, Ch.810, Ant.Intenna, Bat.Standard/Area Scan (41x71x1):** Measurement grid: dx=20mm, dy=20mm  
Maximum value of SAR (interpolated) = 0.414 mW/g

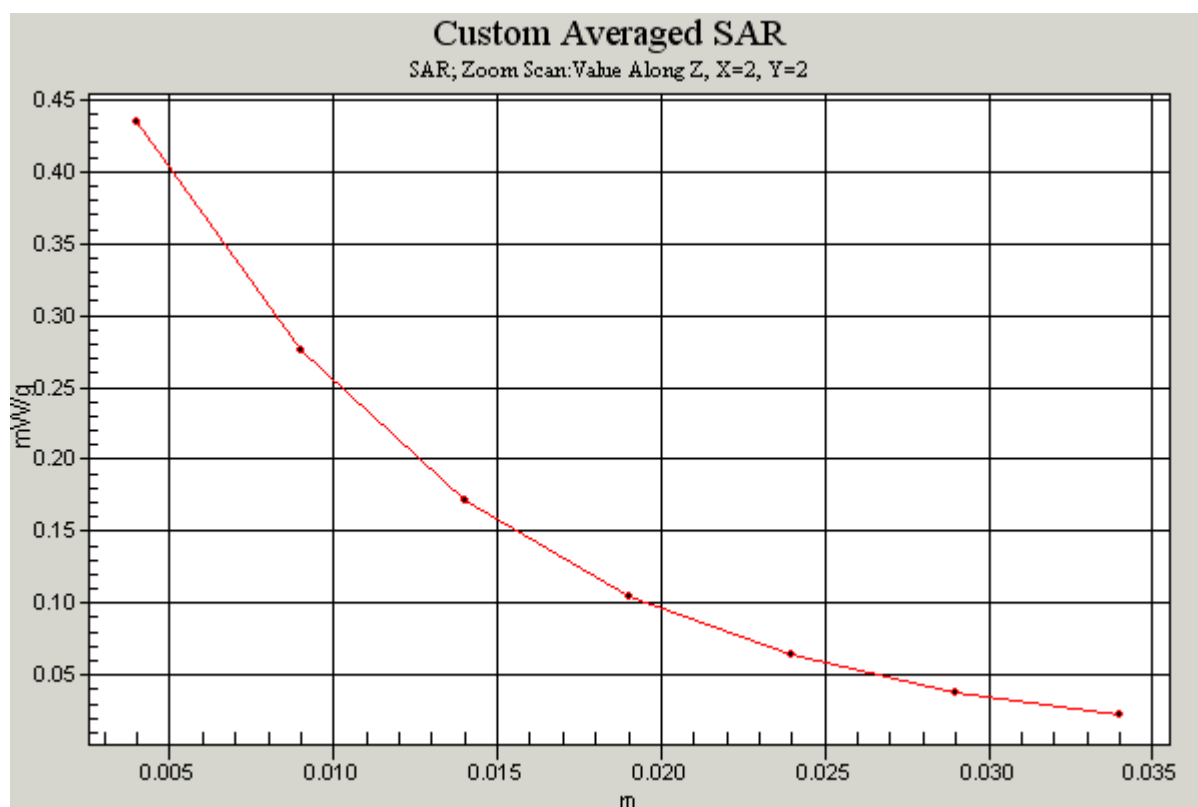
**Cheek/Touch, Ch.810, Ant.Intenna, Bat.Standard/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 15.4 V/m; Power Drift = 0.00 dB

Peak SAR (extrapolated) = 0.672 W/kg

**SAR(1 g) = 0.408 mW/g**

Maximum value of SAR (measured) = 0.434 mW/g



## SAMSUNG FCC ID : A3LSGHC216 -- 835MHz GSM850 Body SAR

**DUT: SGH-C216(Body); Serial: FC-078-F**

**Program Name: SGH-C216 GSM850 Body (Job No. : FC-078)**

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

**Procedure Notes: Meas.Tissue Temp(celsius)-21.9;Test Date-02/June/2005[OET Bulletin 65-Supplement C, July 2001]**

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

Medium parameters used:  $f = 836.6$  MHz;  $\sigma = 0.96$  mho/m;  $\epsilon_r = 53.6$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY4 Configuration:

- Probe: EX3DV4 - SN3537; ConvF(9.83, 9.83, 9.83); Calibrated: 2004-12-15
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn468; Calibrated: 2004-12-07
- Phantom: SAM 835/900 MHz; Type: SAM; Serial: TP-1247
- Measurement SW: DASY4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 146

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

Maximum value of SAR (interpolated) = 0.543 mW/g

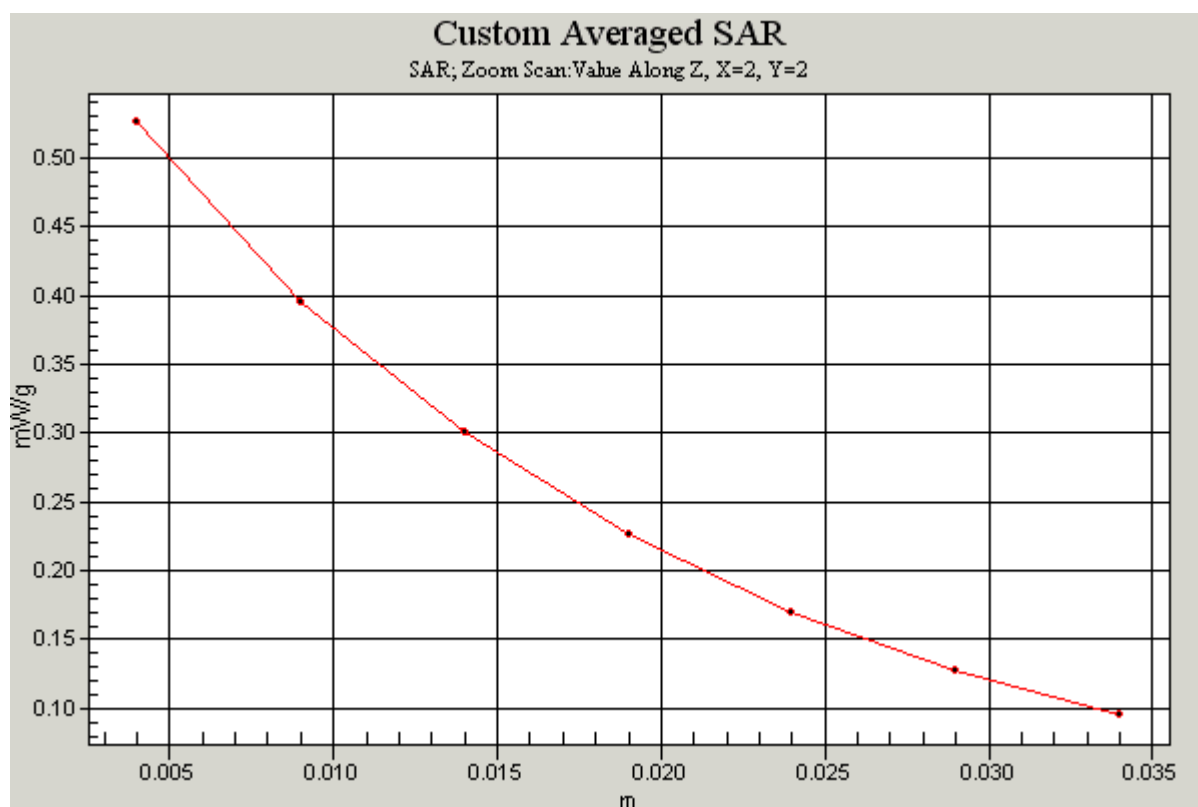
**Body, Ch.190, Ant.Intenna, Bat.Standard/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 15.3 V/m; Power Drift = -0.082 dB

Peak SAR (extrapolated) = 0.651 W/kg

**SAR(1 g) = 0.498 mW/g**

Maximum value of SAR (measured) = 0.525 mW/g





## SAMSUNG FCC ID : A3LSGHC216 -- 1900MHz GSM1900 Body SAR

**DUT: SGH-C216(Body); Serial: FC-078-F**

**Program Name: SGH-C216 GSM1900 Body (Job No. : FC-078)**

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

**Procedure Notes: Meas.Tissue Temp(celsius)-21.6;Test Date-02/June/2005[OET Bulletin 65-Supplement C, July 2001]**

Communication System: GSM 1900 GPRS; Frequency: 1909.8 MHz;Duty Cycle: 1:4.15

Medium parameters used:  $f = 1909.8$  MHz;  $\sigma = 1.53$  mho/m;  $\epsilon_r = 51.3$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY4 Configuration:

- Probe: EX3DV4 - SN3537; ConvF(7.76, 7.76, 7.76); Calibrated: 2004-12-15
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn468; Calibrated: 2004-12-07
- Phantom: SAM 835/900 MHz; Type: SAM; Serial: TP-1247
- Measurement SW: DASY4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 146

**Body, Ch.810, Ant.Intenna, Bat.Standard/Area Scan (51x71x1):** Measurement grid: dx=20mm, dy=20mm

Maximum value of SAR (interpolated) = 0.363 mW/g

**Body, Ch.810, Ant.Intenna, Bat.Standard/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 11.5 V/m; Power Drift = 0.01 dB

Peak SAR (extrapolated) = 0.469 W/kg

**SAR(1 g) = 0.322 mW/g**

Maximum value of SAR (measured) = 0.349 mW/g

