

**SAMSUNG FCC ID : A3LSGHD600E 1900MHz GSM1900 Head SAR**

**DUT: SGH-D600E(Up); Serial: FC-116-A**

**Program Name: SGH-D600E GSM1900 Right (Slide.Up, Job No. : FC-116)**

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

**Procedure Notes: Meas.Tissue Temp(celsius)-21.8; Test Date-22/Aug/2005 [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;  $\sigma = 1.41$  mho/m;  $\epsilon_r = 39.7$ ;  $\rho = 1000$  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.512, Ant.Intenna, Bat.Standard/Area Scan (51x71x1):** Measurement grid: dx=20mm, dy=20mm

Maximum value of SAR (interpolated) = 0.373 mW/g

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

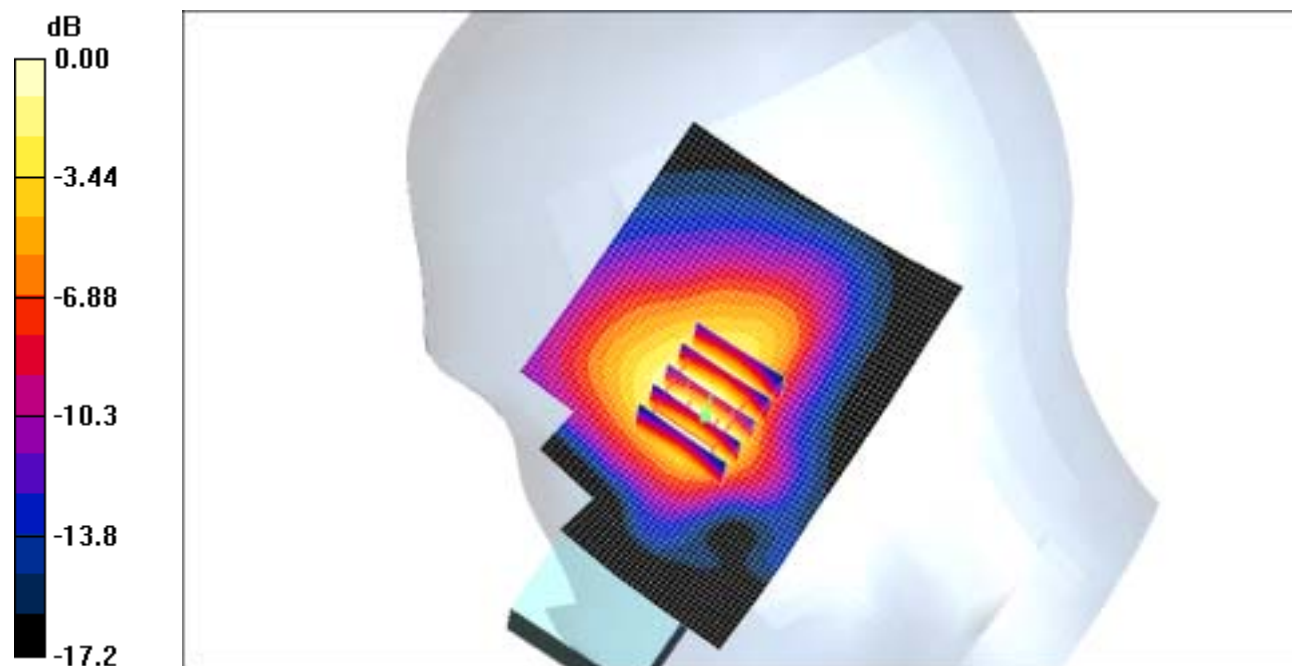
Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 6.85 V/m; Power Drift = 0.189 dB

Peak SAR (extrapolated) = 0.433 W/kg

**SAR(1 g) = 0.303 mW/g**

Maximum value of SAR (measured) = 0.326 mW/g



0 dB = 0.326mW/g

**SAMSUNG FCC ID : A3LSGHD600E 1900MHz GSM1900 Head SAR**

**DUT: SGH-D600E(Down); Serial: FC-116-A**

**Program Name: SGH-D600E GSM1900 Right (Slide.Down, Job No. : FC-116)**

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

**Procedure Notes: Meas.Tissue Temp(celsius)-21.8; Test Date-22/Aug/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;  $\sigma = 1.41$  mho/m;  $\epsilon_r = 39.7$ ;  $\rho = 1000$  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/Zoom Scan (5x5x7)/Cube 0:**

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

Reference Value = 9.64 V/m; Power Drift = -0.016 dB

Peak SAR (extrapolated) = 0.244 W/kg

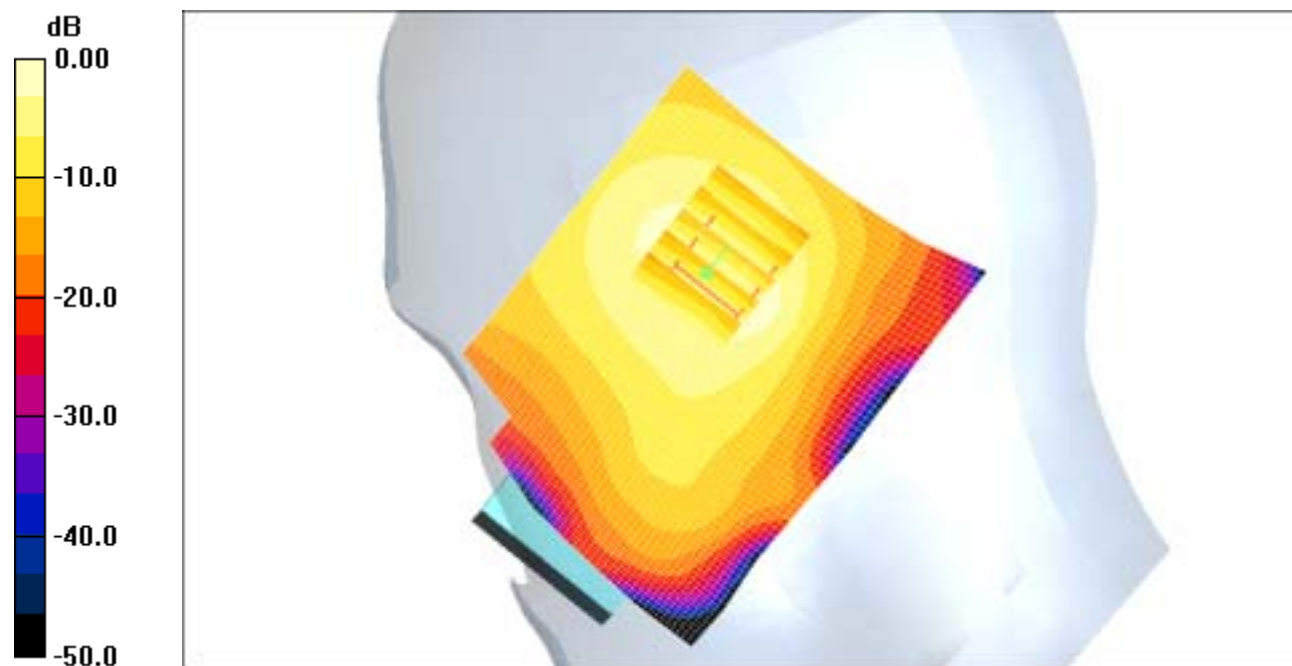
**SAR(1 g) = 0.154 mW/g**

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

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

dx=20mm, dy=20mm

Maximum value of SAR (interpolated) = 0.171 mW/g



0 dB = 0.171mW/g

**SAMSUNG FCC ID : A3LSGHD600E 1900MHz GSM1900 Head SAR**

**DUT: SGH-D600E(Up); Serial: FC-116-A**

**Program Name: SGH-D600E GSM1900 Left (Slide.Up, Job No. : FC-116)**

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

**Procedure Notes: Meas.Tissue Temp(celsius)-21.8; Test Date-22/Aug/2005 [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;  $\sigma = 1.41$  mho/m;  $\epsilon_r = 39.7$ ;  $\rho = 1000$  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.512, Ant.Intenna, Bat.Standard/Zoom Scan (5x5x7)/Cube 0:**

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

Reference Value = 5.43 V/m; Power Drift = -0.013 dB

Peak SAR (extrapolated) = 0.387 W/kg

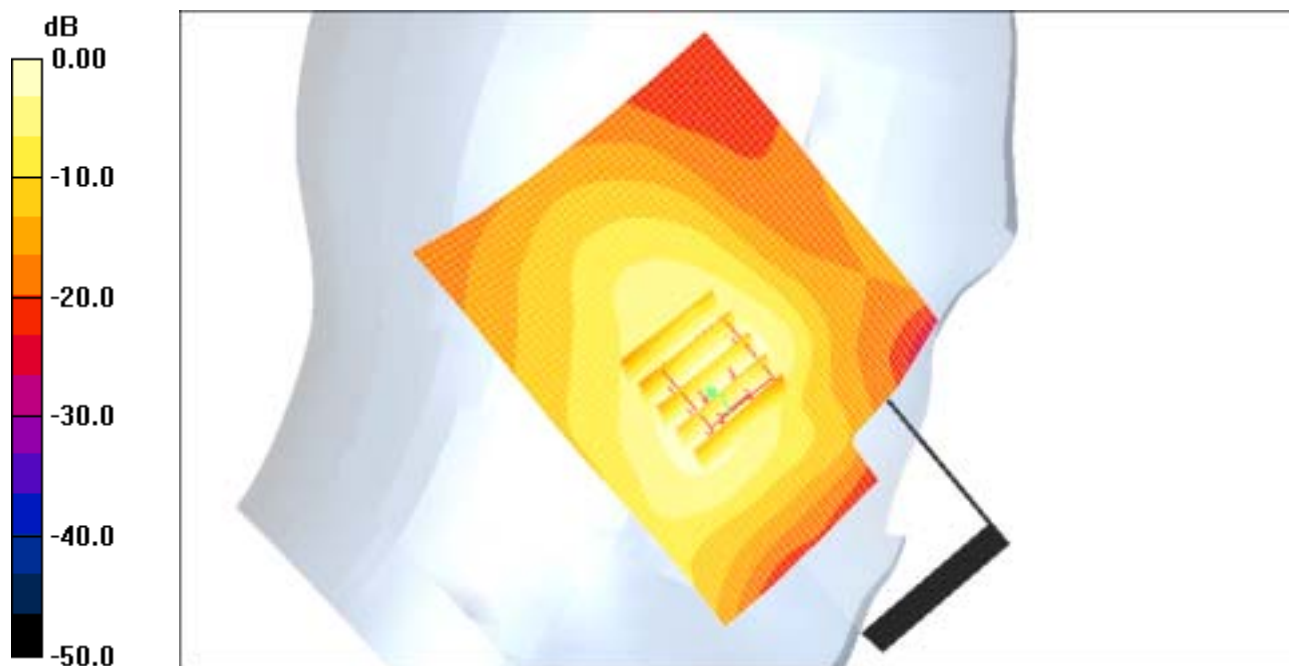
**SAR(1 g) = 0.258 mW/g**

Maximum value of SAR (measured) = 0.266 mW/g

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

grid: dx=20mm, dy=20mm

Maximum value of SAR (interpolated) = 0.270 mW/g



0 dB = 0.270mW/g

**SAMSUNG FCC ID : A3LSGHD600E 1900MHz GSM1900 Head SAR**

**DUT: SGH-D600E(Down); Serial: FC-116-A**

**Program Name: SGH-D600E GSM1900 Left (Slide.Down, Job No. : FC-116)**

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

**Procedure Notes: Meas.Tissue Temp(celsius)-21.8; Test Date-22/Aug/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;  $\sigma = 1.41$  mho/m;  $\epsilon_r = 39.7$ ;  $\rho = 1000$  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/Zoom Scan (5x5x7)/Cube 0:**

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

Reference Value = 8.21 V/m; Power Drift = -0.036 dB

Peak SAR (extrapolated) = 0.171 W/kg

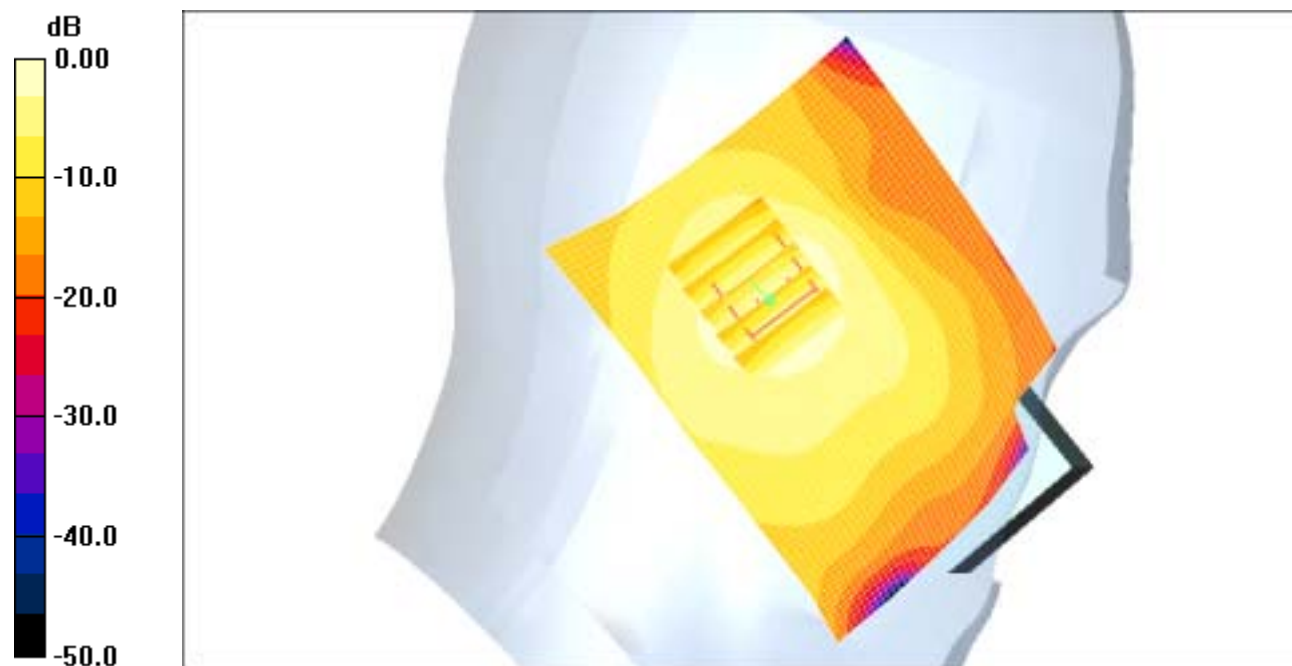
**SAR(1 g) = 0.108 mW/g**

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

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

dx=20mm, dy=20mm

Maximum value of SAR (interpolated) = 0.119 mW/g



0 dB = 0.119mW/g

**SAMSUNG FCC ID : A3LSGHD600E 1900MHz GSM1900 Head SAR**

**DUT: SGH-D600E(Up); Serial: FC-116-A**

**Program Name: SGH-D600E GSM1900 Right (Slide.Up, Job No. : FC-116)**

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

**Procedure Notes: Meas.Tissue Temp(celsius)-21.8; Test Date-22/Aug/2005 [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;  $\sigma = 1.41$  mho/m;  $\epsilon_r = 39.7$ ;  $\rho = 1000$  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.512, Ant.Intenna, Bat.Standard with BT on/Area Scan (51x71x1):**

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

Maximum value of SAR (interpolated) = 0.299 mW/g

**Cheek/Touch, Ch.512, Ant.Intenna, Bat.Standard with BT on/Zoom Scan**

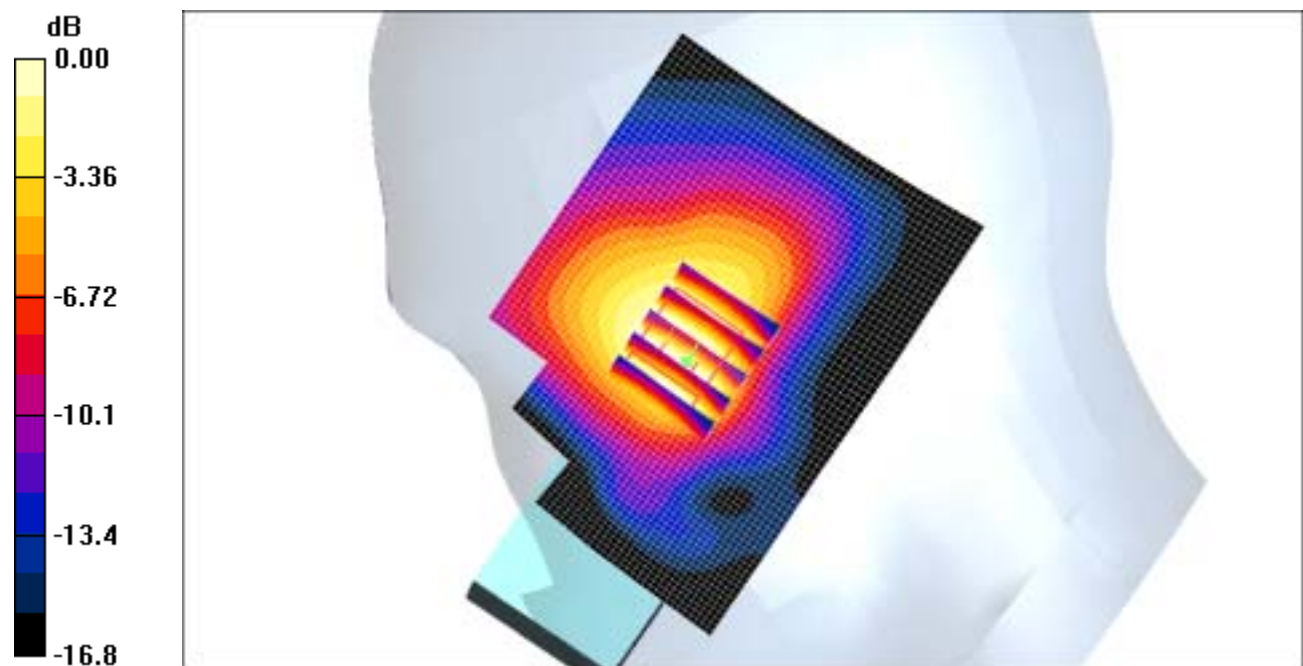
**(5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 5.87 V/m; Power Drift = -0.079 dB

Peak SAR (extrapolated) = 0.340 W/kg

**SAR(1 g) = 0.238 mW/g**

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



0 dB = 0.253mW/g

**SAMSUNG FCC ID : A3LSGHD600E 1900MHz GPRS1900 Body SAR**

**DUT: SGH-D600E (Body); Serial: FC-116-A**

**Program Name: SGH-D600E GSM1900 Body (Job No. : FC-116)**

**Procedure Name: Body, Ch.512, Ant.Intenna, Bat.Standard 2**

**Procedure Notes: Meas.Tissue Temp(celsius)-21.4; Test Date-22/Aug/2005 [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;  $\sigma = 1.55$  mho/m;  $\epsilon_r = 52.5$ ;  $\rho = 1000$  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.512, Ant.Intenna, Bat.Standard 2/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 17.5 V/m; Power Drift = -0.076 dB

Peak SAR (extrapolated) = 0.783 W/kg

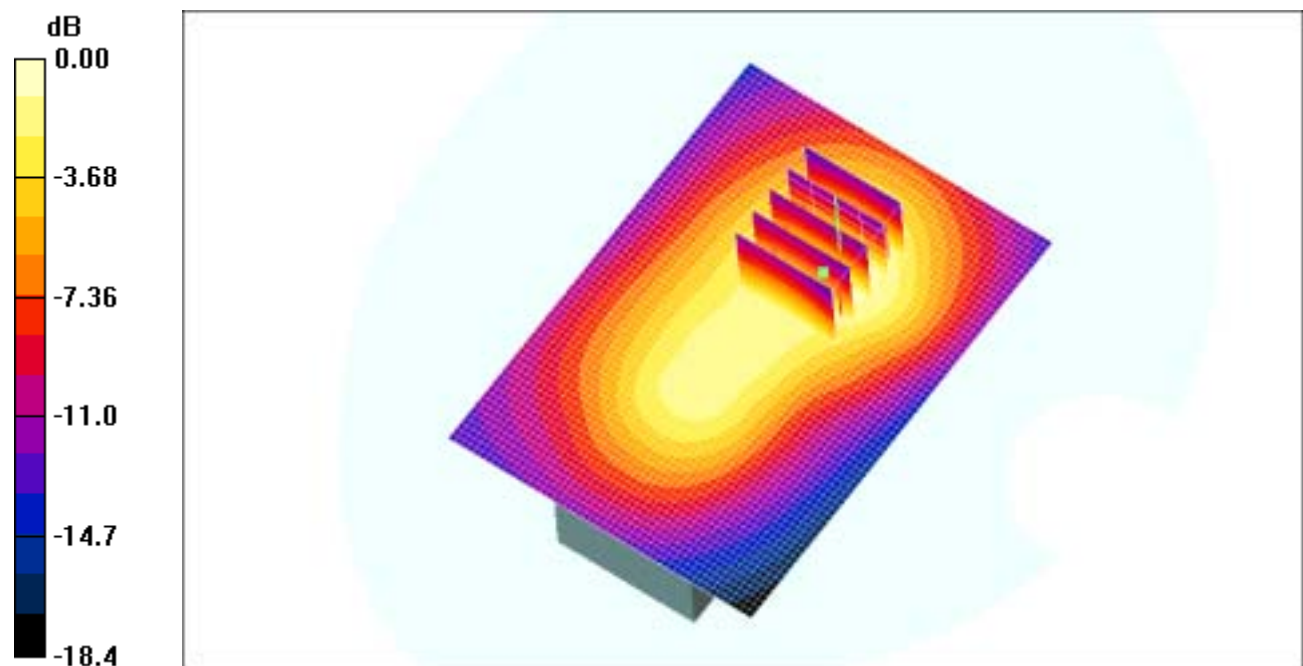
**SAR(1 g) = 0.517 mW/g**

Maximum value of SAR (measured) = 0.553 mW/g

**Body, Ch.512, Ant.Intenna, Bat.Standard 2/Area Scan (51x71x1):** Measurement grid:

dx=20mm, dy=20mm

Maximum value of SAR (interpolated) = 0.597 mW/g



0 dB = 0.597mW/g

**SAMSUNG FCC ID : A3LSGHD600E 1900MHz GPRS1900 Body SAR**

**DUT: SGH-D600E (Body); Serial: FC-116-A**

**Program Name: SGH-D600E GSM1900 Body (Job No. : FC-116)**

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

**Procedure Notes: Meas.Tissue Temp(celsius)-21.4; Test Date-22/Aug/2005 [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;  $\sigma = 1.55$  mho/m;  $\epsilon_r = 52.5$ ;  $\rho = 1000$  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.512, Ant.Intenna, Bat.Standard with BT/Zoom Scan (5x5x7)/Cube 0:**

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

Reference Value = 17.5 V/m; Power Drift = -0.075 dB

Peak SAR (extrapolated) = 0.767 W/kg

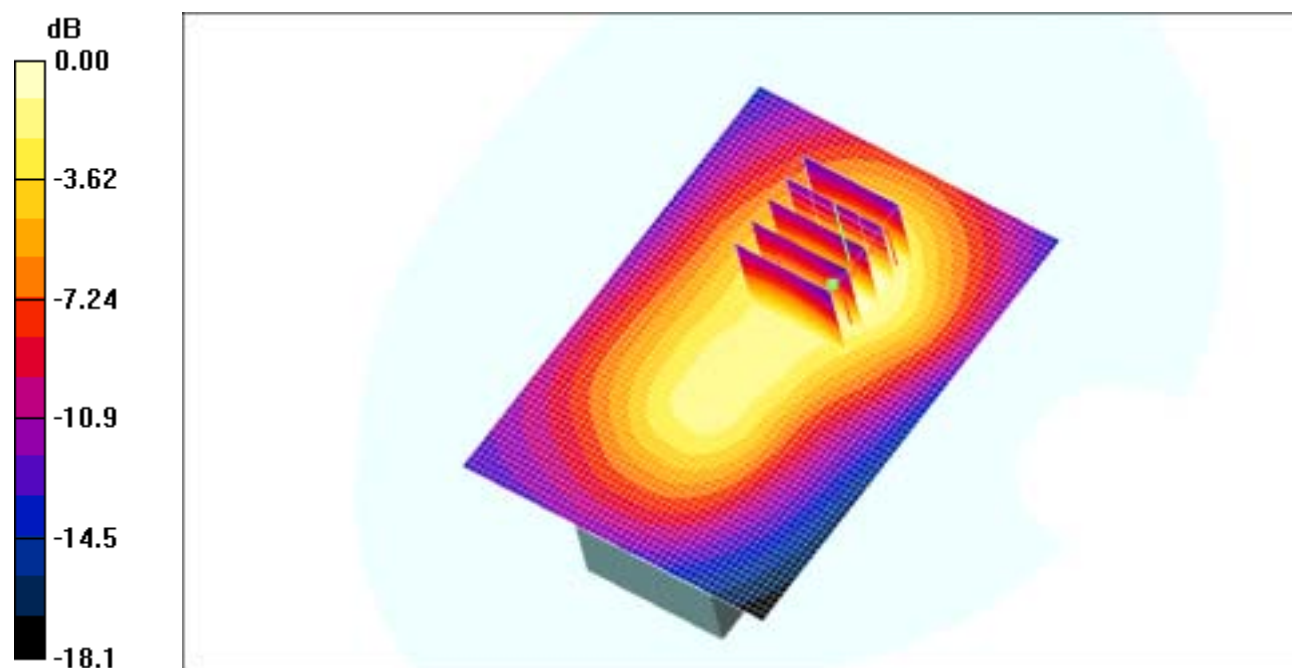
**SAR(1 g) = 0.512 mW/g**

Maximum value of SAR (measured) = 0.544 mW/g

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

grid: dx=20mm, dy=20mm

Maximum value of SAR (interpolated) = 0.588 mW/g



0 dB = 0.588mW/g

**SAMSUNG FCC ID : A3LSGHD600E 1900MHz GSM1900 Head SAR**

**DUT: SGH-D600E(Up); Serial: FC-116-A**

**Program Name: SGH-D600E GSM1900 Right (Slide.Up, Job No. : FC-116)**

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

**Procedure Notes: Meas.Tissue Temp(celsius)-21.8; Test Date-22/Aug/2005 [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;  $\sigma = 1.41$  mho/m;  $\epsilon_r = 39.7$ ;  $\rho = 1000$  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.512, Ant.Intenna, Bat.Standard/Area Scan (51x71x1):** Measurement grid: dx=20mm, dy=20mm

Maximum value of SAR (interpolated) = 0.373 mW/g

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

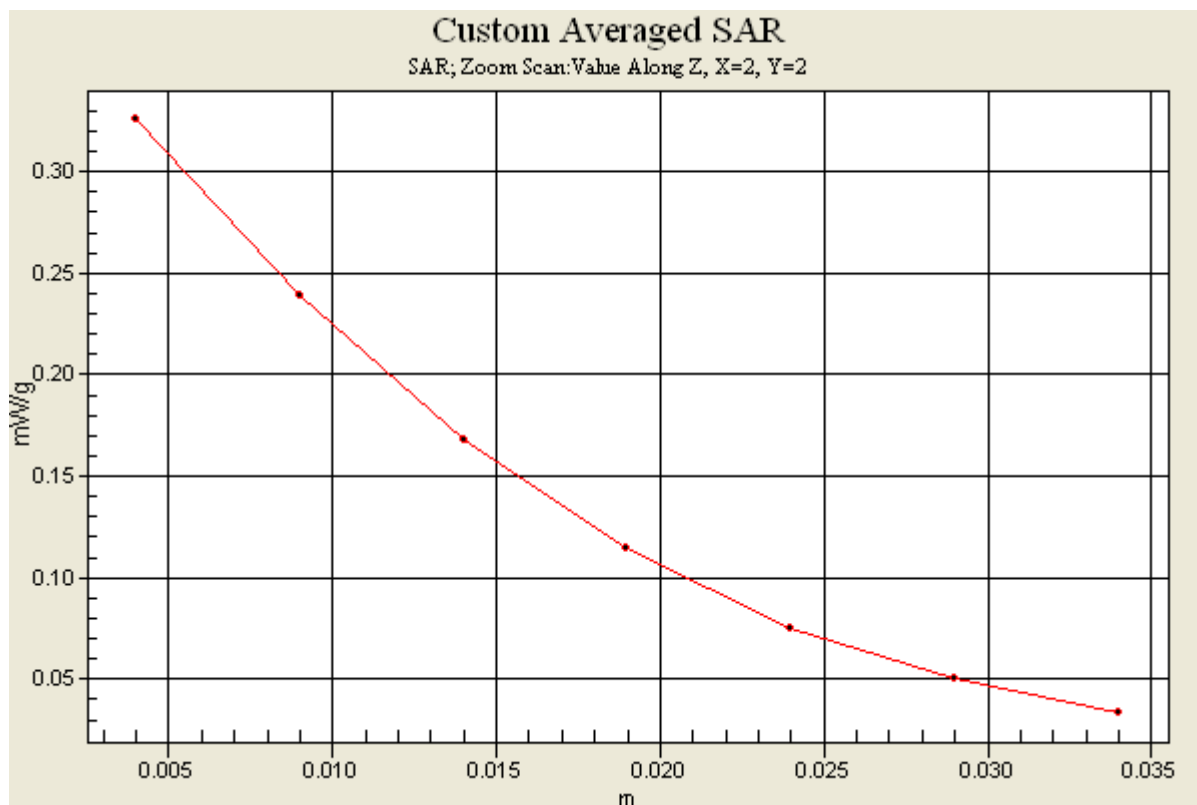
Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 6.85 V/m; Power Drift = 0.189 dB

Peak SAR (extrapolated) = 0.433 W/kg

**SAR(1 g) = 0.303 mW/g**

Maximum value of SAR (measured) = 0.326 mW/g



**SAMSUNG FCC ID : A3LSGHD600E 1900MHz GSM1900 Head SAR**

**DUT: SGH-D600E(Up); Serial: FC-116-A**

**Program Name: SGH-D600E GSM1900 Right (Slide.Up, Job No. : FC-116)**

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

**Procedure Notes: Meas.Tissue Temp(celsius)-21.8; Test Date-22/Aug/2005 [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;  $\sigma = 1.41$  mho/m;  $\epsilon_r = 39.7$ ;  $\rho = 1000$  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.512, Ant.Intenna, Bat.Standard with BT on/Area Scan (51x71x1):**

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

Maximum value of SAR (interpolated) = 0.299 mW/g

**Cheek/Touch, Ch.512, Ant.Intenna, Bat.Standard with BT on/Zoom Scan**

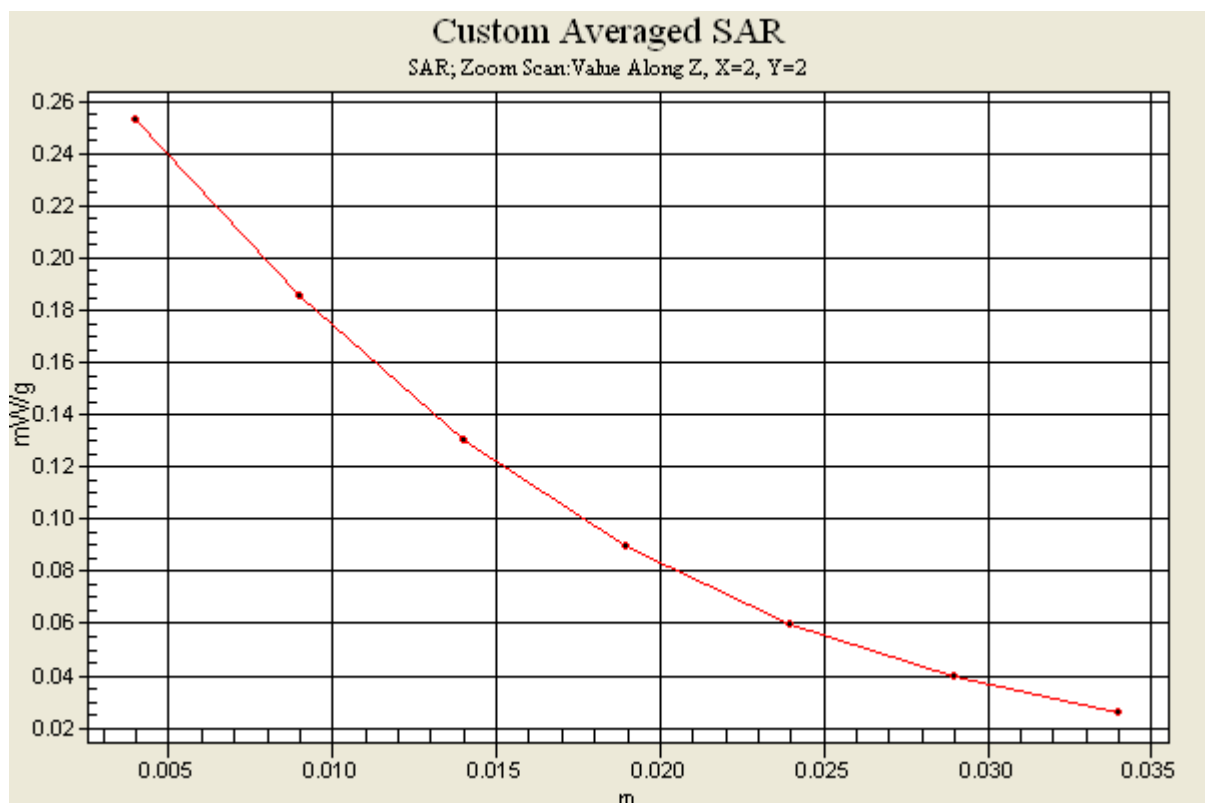
**(5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 5.87 V/m; Power Drift = -0.079 dB

Peak SAR (extrapolated) = 0.340 W/kg

**SAR(1 g) = 0.238 mW/g**

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



**SAMSUNG FCC ID : A3LSGHD600E 1900MHz GPRS1900 Body SAR**

**DUT: SGH-D600E (Body); Serial: FC-116-A**

**Program Name: SGH-D600E GSM1900 Body (Job No. : FC-116)**

**Procedure Name: Body, Ch.512, Ant.Intenna, Bat.Standard 2**

**Procedure Notes: Meas.Tissue Temp(celsius)-21.4; Test Date-22/Aug/2005 [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;  $\sigma = 1.55$  mho/m;  $\epsilon_r = 52.5$ ;  $\rho = 1000$  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.512, Ant.Intenna, Bat.Standard 2/Area Scan (51x71x1):** Measurement grid:  
dx=20mm, dy=20mm

Maximum value of SAR (interpolated) = 0.597 mW/g

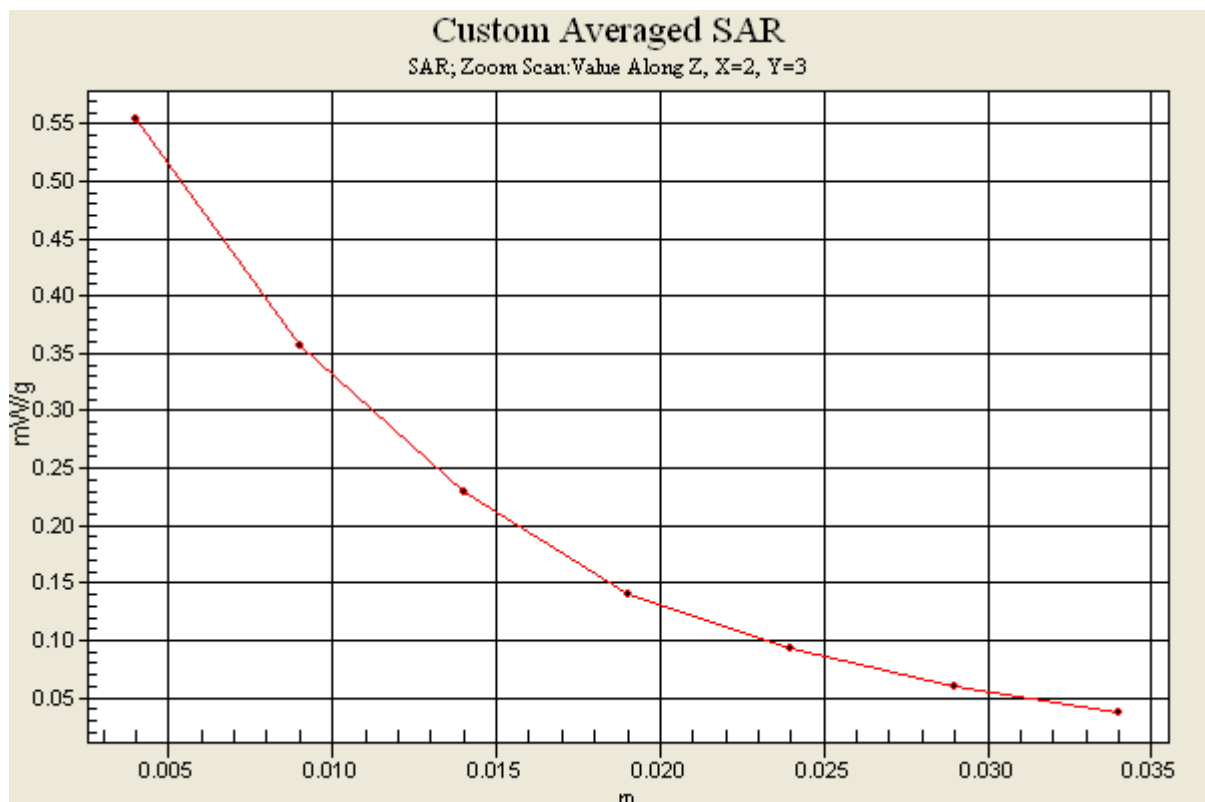
**Body, Ch.512, Ant.Intenna, Bat.Standard 2/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 17.5 V/m; Power Drift = -0.076 dB

Peak SAR (extrapolated) = 0.783 W/kg

**SAR(1 g) = 0.517 mW/g**

Maximum value of SAR (measured) = 0.553 mW/g



**SAMSUNG FCC ID : A3LSGHD600E 1900MHz GPRS1900 Body SAR**

**DUT: SGH-D600E (Body); Serial: FC-116-A**

**Program Name: SGH-D600E GSM1900 Body (Job No. : FC-116)**

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

**Procedure Notes: Meas.Tissue Temp(celsius)-21.4; Test Date-22/Aug/2005 [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;  $\sigma = 1.55$  mho/m;  $\epsilon_r = 52.5$ ;  $\rho = 1000$  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.512, Ant.Intenna, Bat.Standard with BT/Area Scan (51x71x1):** Measurement grid: dx=20mm, dy=20mm

Maximum value of SAR (interpolated) = 0.588 mW/g

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

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

Reference Value = 17.5 V/m; Power Drift = -0.075 dB

Peak SAR (extrapolated) = 0.767 W/kg

**SAR(1 g) = 0.512 mW/g**

Maximum value of SAR (measured) = 0.544 mW/g

