

## **Appendix B**

### **Measurement Plots**

Test Laboratory: ETS PRODUCT SERVICE AG

### Dipol Valid.900 (m)\_250mW07.01.2008

**DUT: Dipole 900 MHz; Type: D900V2; Serial: 164**

Communication System: CW; Frequency: 900 MHz; Duty Cycle: 1:1

Medium: Muscle 900 MHz Medium parameters used:  $f = 900 \text{ MHz}$ ;  $\sigma = 1.01 \text{ mho/m}$ ;  $\epsilon_r = 54.1$ ;  $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1711; ConvF(6.04, 6.04, 6.04); Calibrated: 9/19/2007
- Sensor-Surface: 4mm (Mechanical And Optical Surface Detection)
- Electronics: DAE3 Sn522; Calibrated: 9/18/2007
- Phantom: SAM 12; Type: TP-1217; Serial: QD000P40CA
- Measurement SW: DASY4, V4.7 Build 55; Postprocessing SW: SEMCAD, V1.8 Build 176

**Dipol 900 (250mW)/Area Scan (81x161x1):** Measurement grid:  $dx=10\text{mm}$ ,  $dy=10\text{mm}$   
Maximum value of SAR (interpolated) = 2.94 mW/g

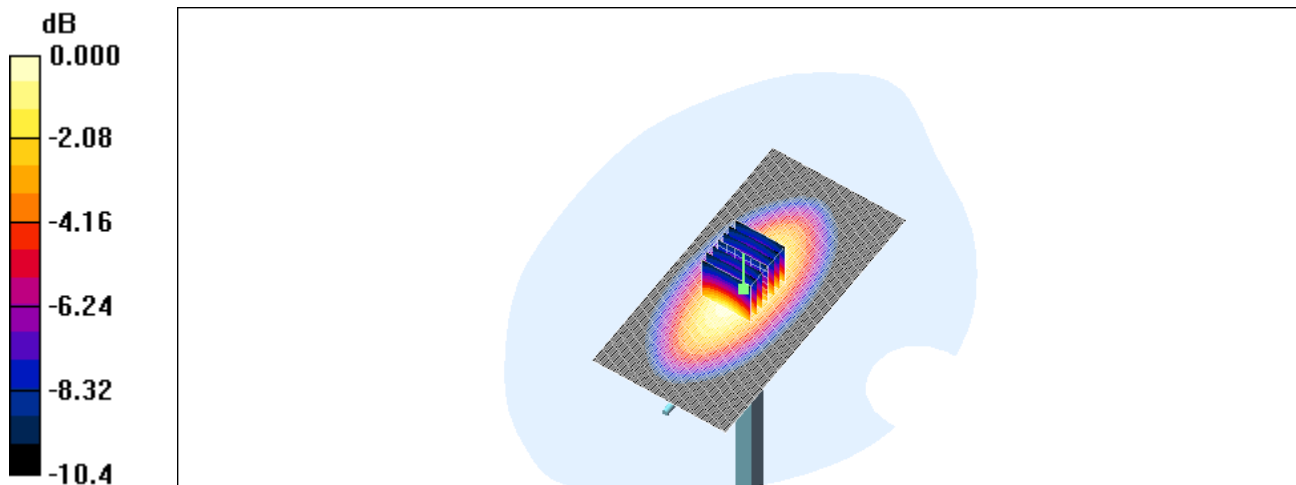
**Dipol 900 (250mW)/Zoom Scan (7x7x7)/Cube 0:** Measurement grid:  $dx=5\text{mm}$ ,  $dy=5\text{mm}$ ,  $dz=5\text{mm}$

Reference Value = 56.6 V/m; Power Drift = -0.094 dB

Peak SAR (extrapolated) = 3.83 W/kg

**SAR(1 g) = 2.69 mW/g; SAR(10 g) = 1.76 mW/g**

Maximum value of SAR (measured) = 2.93 mW/g



0 dB = 2.93mW/g

Test Laboratory: ETS PRODUCT SERVICE AG

### Dipol Valid.900 (h)\_250mW08.01.2008

**DUT: Dipole 900 MHz; Type: D900V2; Serial: 164**

Communication System: CW; Frequency: 900 MHz; Duty Cycle: 1:1

Medium: Head 900 MHz Medium parameters used:  $f = 900$  MHz;  $\sigma = 0.944$  mho/m;  $\epsilon_r = 40.5$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1711; ConvF(6.58, 6.58, 6.58); Calibrated: 9/19/2007
- Sensor-Surface: 4mm (Mechanical And Optical Surface Detection)
- Electronics: DAE3 Sn522; Calibrated: 9/18/2007
- Phantom: SAM 12; Type: TP-1217; Serial: QD000P40CA
- Measurement SW: DASY4, V4.7 Build 55; Postprocessing SW: SEMCAD, V1.8 Build 176

**Dipol 900 (250mW)/Area Scan (81x161x1):** Measurement grid: dx=10mm, dy=10mm  
Maximum value of SAR (interpolated) = 2.92 mW/g

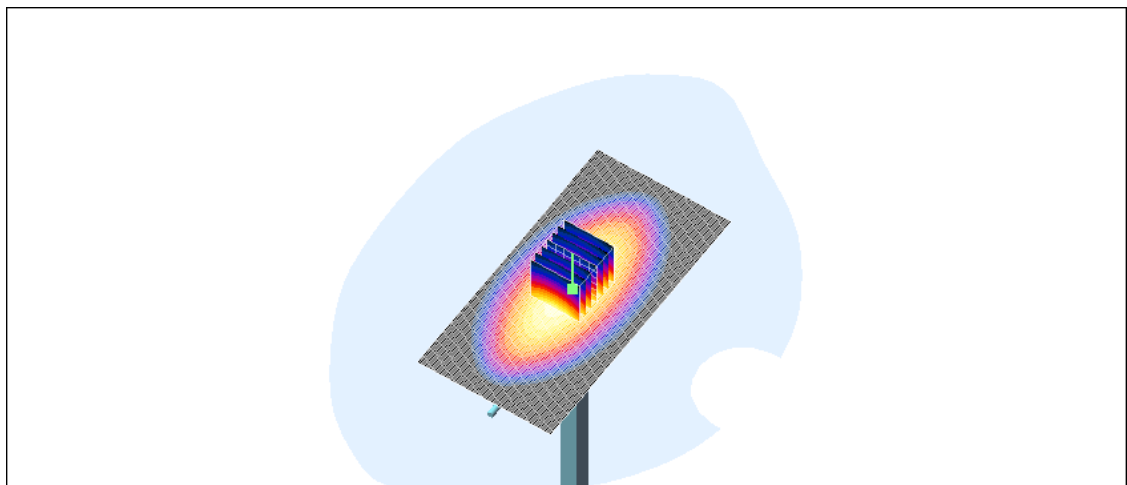
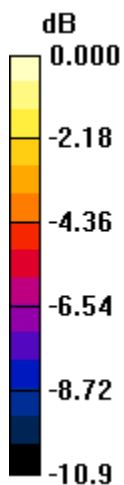
**Dipol 900 (250mW)/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 57.7 V/m; Power Drift = 0.009 dB

Peak SAR (extrapolated) = 4.02 W/kg

**SAR(1 g) = 2.71 mW/g; SAR(10 g) = 1.75 mW/g**

Maximum value of SAR (measured) = 2.96 mW/g



0 dB = 2.96mW/g

Test Laboratory: ETS PRODUCT SERVICE AG

## Dipol Valid.900 (h)\_250mW10.01.2008

**DUT: Dipole 900 MHz; Type: D900V2; Serial: 164**

Communication System: CW; Frequency: 900 MHz; Duty Cycle: 1:1

Medium: Head 900 MHz Medium parameters used:  $f = 900$  MHz;  $\sigma = 0.944$  mho/m;  $\epsilon_r = 40.5$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1711; ConvF(6.58, 6.58, 6.58); Calibrated: 9/19/2007
- Sensor-Surface: 4mm (Mechanical And Optical Surface Detection)
- Electronics: DAE3 Sn522; Calibrated: 9/18/2007
- Phantom: SAM 12; Type: TP-1217; Serial: QD000P40CA
- Measurement SW: DASY4, V4.7 Build 55; Postprocessing SW: SEMCAD, V1.8 Build 176

**Dipol 900 (250mW)/Area Scan (81x161x1):** Measurement grid: dx=10mm, dy=10mm  
Maximum value of SAR (interpolated) = 2.85 mW/g

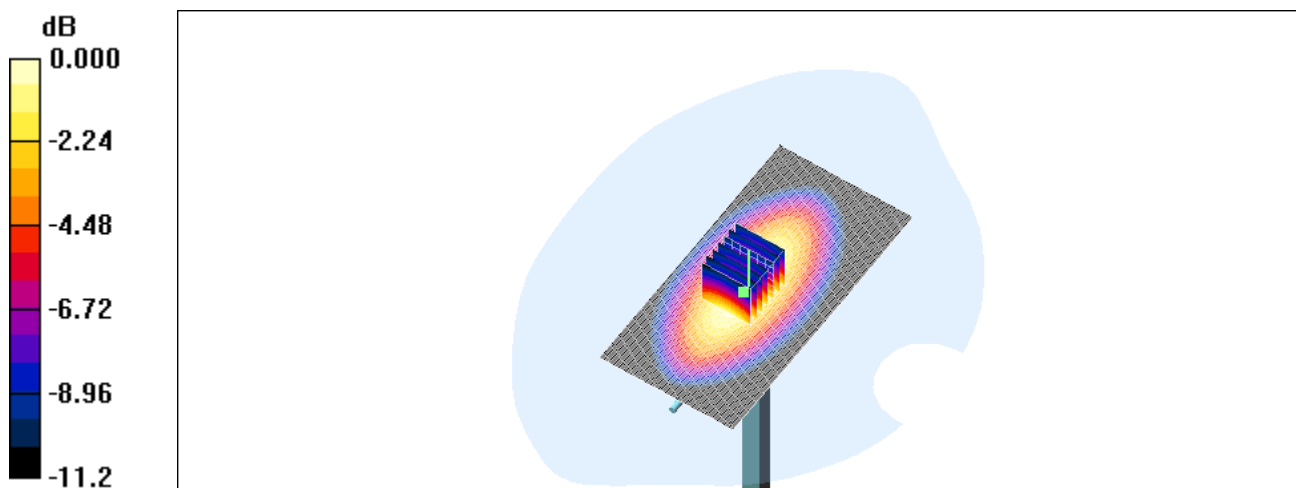
**Dipol 900 (250mW)/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 56.4 V/m; Power Drift = -0.031 dB

Peak SAR (extrapolated) = 3.91 W/kg

**SAR(1 g) = 2.63 mW/g; SAR(10 g) = 1.69 mW/g**

Maximum value of SAR (measured) = 2.89 mW/g



0 dB = 2.89mW/g

Test Laboratory: ETS PRODUCT SERVICE AG

### Dipol Valid.1900(h)\_250mW10.01.2008

**DUT: Dipole 1900 MHz; Type: D1900V2; Serial: 5d025**

Communication System: CW; Frequency: 1900 MHz; Duty Cycle: 1:1

Medium: Head 1900 MHz Medium parameters used:  $f = 1900$  MHz;  $\sigma = 1.42$  mho/m;  $\epsilon_r = 39.9$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1711; ConvF(5.22, 5.22, 5.22); Calibrated: 9/19/2007
- Sensor-Surface: 4mm (Mechanical And Optical Surface Detection)
- Electronics: DAE3 Sn522; Calibrated: 9/18/2007
- Phantom: SAM 12; Type: TP-1217; Serial: QD000P40CA
- Measurement SW: DASY4, V4.7 Build 55; Postprocessing SW: SEMCAD, V1.8 Build 176

**Dipol 1900 (250mW)/Area Scan (61x81x1):** Measurement grid: dx=10mm, dy=10mm  
Maximum value of SAR (interpolated) = 11.5 mW/g

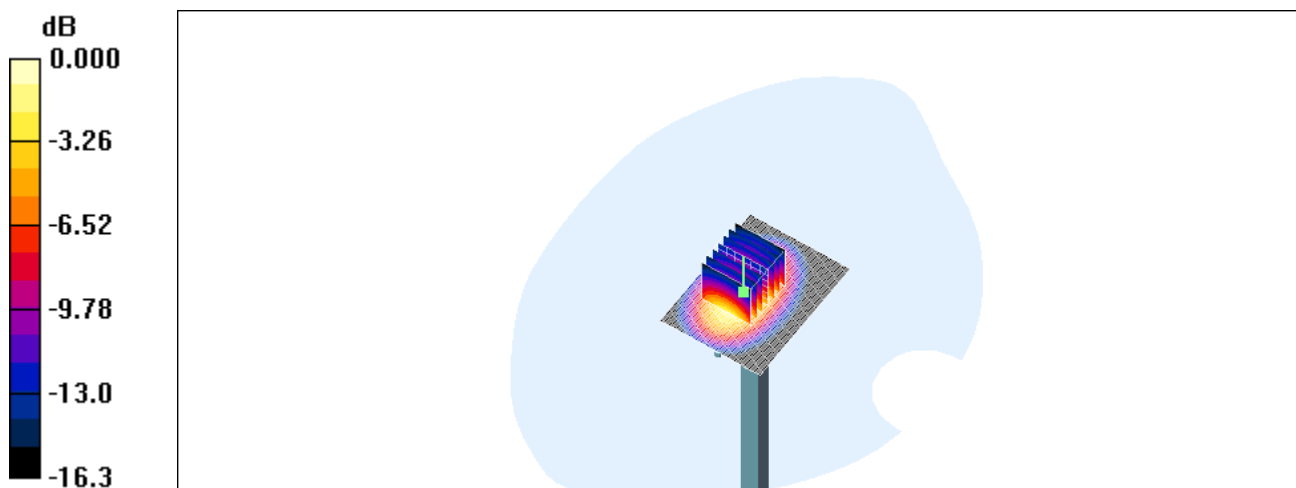
**Dipol 1900 (250mW)/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 85.5 V/m; Power Drift = 0.022 dB

Peak SAR (extrapolated) = 17.5 W/kg

**SAR(1 g) = 10.2 mW/g; SAR(10 g) = 5.39 mW/g**

Maximum value of SAR (measured) = 11.5 mW/g



0 dB = 11.5mW/g

Test Laboratory: ETS PRODUCT SERVICE AG

### Dipol Valid.1900(m)\_250mW11.01.2008

**DUT: Dipole 1900 MHz; Type: D1900V2; Serial: 5d025**

Communication System: CW; Frequency: 1900 MHz; Duty Cycle: 1:1

Medium: Muscle 1900 MHz Medium parameters used:  $f = 1900$  MHz;  $\sigma = 1.58$  mho/m;  $\epsilon_r = 51.9$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1711; ConvF(4.71, 4.71, 4.71); Calibrated: 9/19/2007
- Sensor-Surface: 4mm (Mechanical And Optical Surface Detection)
- Electronics: DAE3 Sn522; Calibrated: 9/18/2007
- Phantom: SAM 12; Type: TP-1217; Serial: QD000P40CA
- Measurement SW: DASY4, V4.7 Build 55; Postprocessing SW: SEMCAD, V1.8 Build 176

**Dipol 1900 (250mW)/Area Scan (61x81x1):** Measurement grid: dx=10mm, dy=10mm  
Maximum value of SAR (interpolated) = 12.5 mW/g

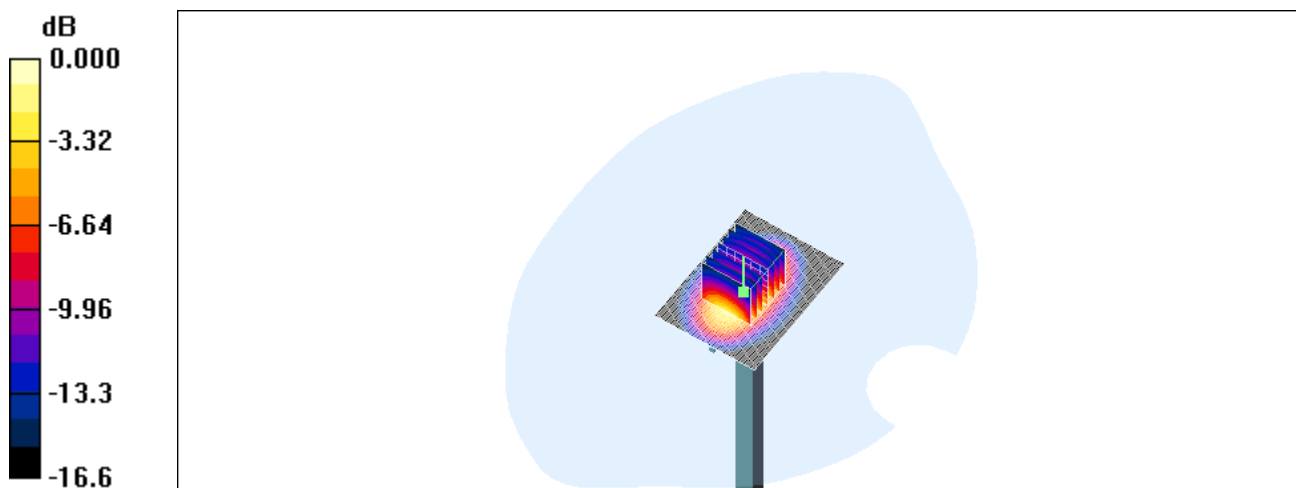
**Dipol 1900 (250mW)/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 93.0 V/m; Power Drift = -0.036 dB

Peak SAR (extrapolated) = 17.6W/kg

**SAR(1 g) = 10.8 mW/g; SAR(10 g) = 5.89 mW/g**

Maximum value of SAR (measured) = 12.7 mW/g



0 dB = 12.7mW/g

Test Laboratory: ETS PRODUCT SERVICE AG

## 850\_right\_ch251\_cheek

**DUT: C 600; Type: UMTS GSM phone; Serial: # 6**

Communication System: GSM 850; Frequency: 848.8 MHz; Duty Cycle: 1:8.3

Medium: Head 900 MHz Medium parameters used (interpolated):  $f = 848.8$  MHz;  $\sigma = 0.904$  mho/m;

$\epsilon_r = 40.9$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Right Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1711; ConvF(6.58, 6.58, 6.58); Calibrated: 9/19/2007
- Sensor-Surface: 4mm (Mechanical And Optical Surface Detection)
- Electronics: DAE3 Sn522; Calibrated: 9/18/2007
- Phantom: SAM 12; Type: TP-1217; Serial: QD000P40CA
- Measurement SW: DASY4, V4.7 Build 55; Postprocessing SW: SEMCAD, V1.8 Build 176

**C600/Area Scan (81x151x1):** Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 1.22 mW/g

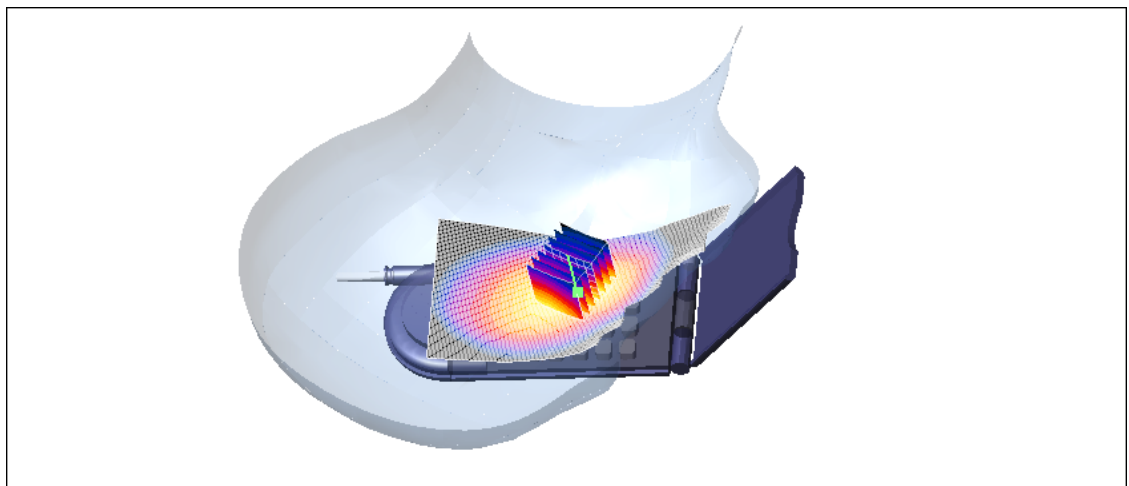
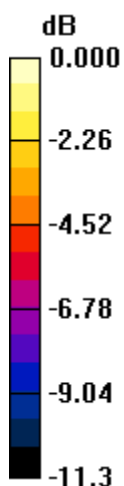
**C600/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 16.1 V/m; Power Drift = 0.032 dB

Peak SAR (extrapolated) = 1.87 W/kg

**SAR(1 g) = 1.15 mW/g; SAR(10 g) = 0.719 mW/g**

Maximum value of SAR (measured) = 1.27 mW/g



0 dB = 1.27mW/g

Test Laboratory: ETS PRODUCT SERVICE AG

### 850\_right\_ch189\_tilted\_

**DUT: C 600; Type: UMTS GSM phone; Serial: # 6**

Communication System: GSM 850; Frequency: 836.4 MHz; Duty Cycle: 1:8.3

Medium: Head 900 MHz Medium parameters used:  $f = 836.512$  MHz;  $\sigma = 0.89$  mho/m;  $\epsilon_r = 41.1$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Right Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1711; ConvF(6.58, 6.58, 6.58); Calibrated: 9/19/2007
- Sensor-Surface: 4mm (Mechanical And Optical Surface Detection)
- Electronics: DAE3 Sn522; Calibrated: 9/18/2007
- Phantom: SAM 12; Type: TP-1217; Serial: QD000P40CA
- Measurement SW: DASY4, V4.7 Build 55; Postprocessing SW: SEMCAD, V1.8 Build 176

**C600/Area Scan (81x151x1):** Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 0.403 mW/g

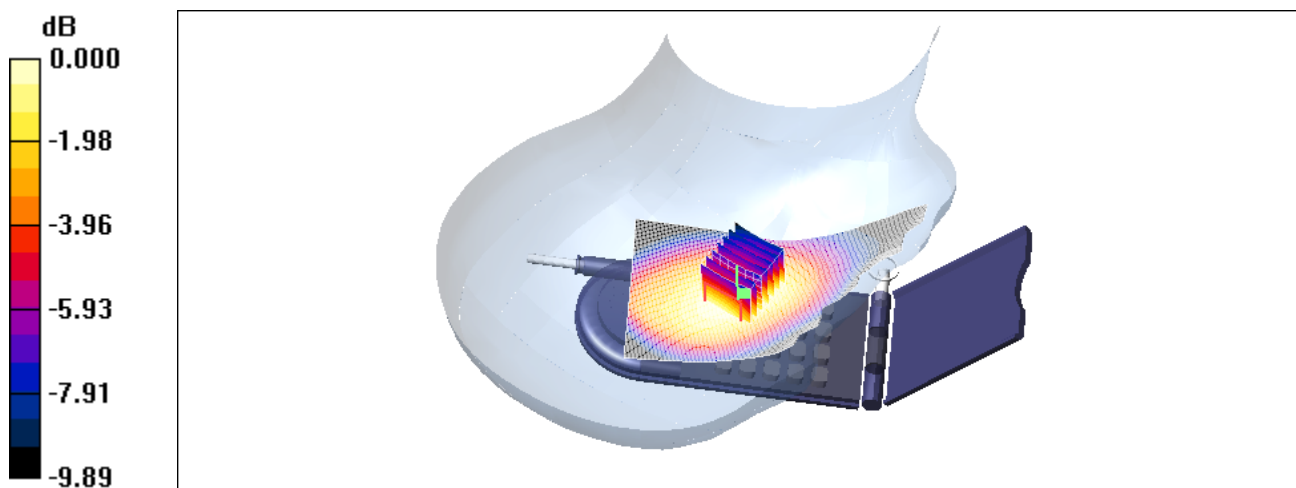
**C600/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 16.4 V/m; Power Drift = 0.029 dB

Peak SAR (extrapolated) = 0.484 W/kg

**SAR(1 g) = 0.383 mW/g; SAR(10 g) = 0.283 mW/g**

Maximum value of SAR (measured) = 0.408 mW/g



0 dB = 0.408mW/g



Test Laboratory: ETS PRODUCT SERVICE AG

## 850\_right\_ch189\_cheek

**DUT: C 600; Type: UMTS GSM phone; Serial: # 6**

Communication System: GSM 850; Frequency: 836.4 MHz; Duty Cycle: 1:8.3

Medium: Head 900 MHz Medium parameters used:  $f = 836.512$  MHz;  $\sigma = 0.89$  mho/m;  $\epsilon_r = 41.1$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Right Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1711; ConvF(6.58, 6.58, 6.58); Calibrated: 9/19/2007
- Sensor-Surface: 4mm (Mechanical And Optical Surface Detection)
- Electronics: DAE3 Sn522; Calibrated: 9/18/2007
- Phantom: SAM 12; Type: TP-1217; Serial: QD000P40CA
- Measurement SW: DASY4, V4.7 Build 55; Postprocessing SW: SEMCAD, V1.8 Build 176

**C600/Area Scan (81x151x1):** Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 1.14 mW/g

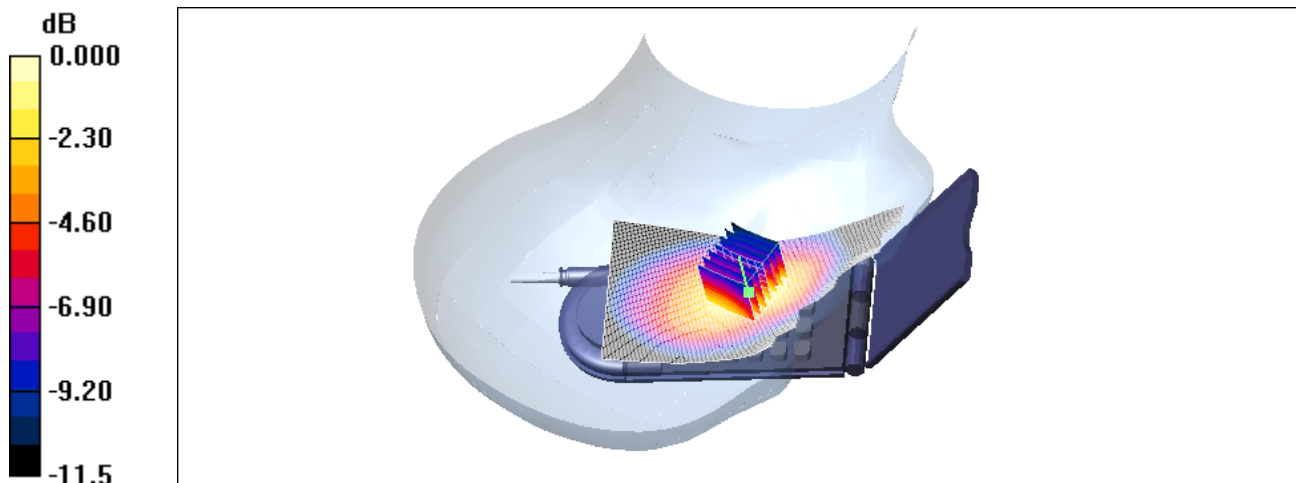
**C600/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 15.2 V/m; Power Drift = 0.087 dB

Peak SAR (extrapolated) = 1.73 W/kg

**SAR(1 g) = 1.07 mW/g; SAR(10 g) = 0.667 mW/g**

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



0 dB = 1.21mW/g

Test Laboratory: ETS PRODUCT SERVICE AG

## 850\_right\_ch128\_cheek

**DUT: C 600; Type: UMTS GSM phone; Serial: # 6**

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

Medium: Head 900 MHz Medium parameters used (interpolated):  $f = 824.2$  MHz;  $\sigma = 0.874$  mho/m;

$\epsilon_r = 41.3$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Right Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1711; ConvF(6.58, 6.58, 6.58); Calibrated: 9/19/2007
- Sensor-Surface: 4mm (Mechanical And Optical Surface Detection)
- Electronics: DAE3 Sn522; Calibrated: 9/18/2007
- Phantom: SAM 12; Type: TP-1217; Serial: QD000P40CA
- Measurement SW: DASY4, V4.7 Build 55; Postprocessing SW: SEMCAD, V1.8 Build 176

**C600/Area Scan (81x151x1):** Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 0.897 mW/g

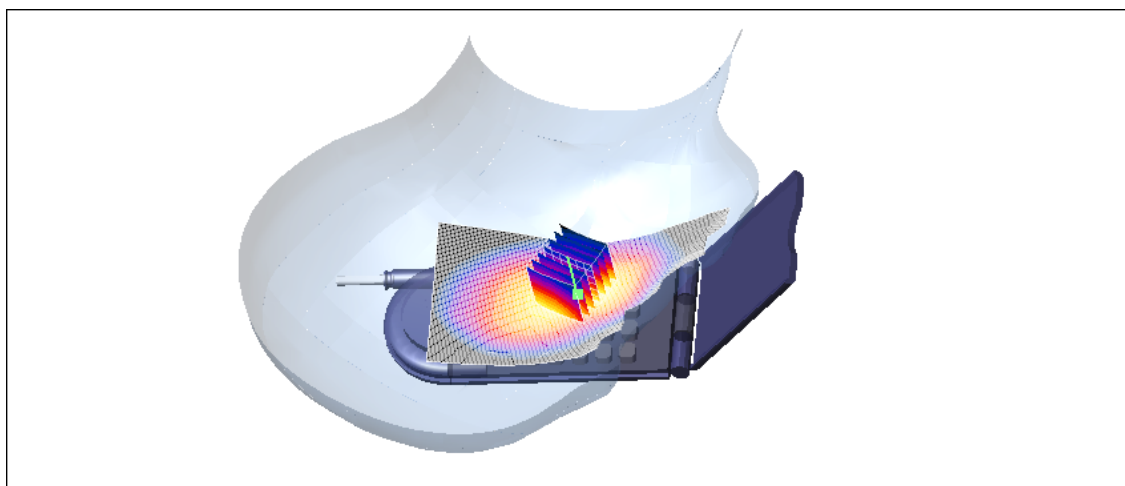
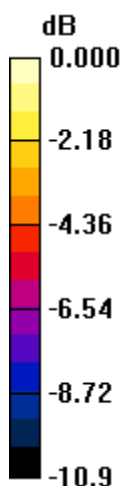
**C600/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 13.4 V/m; Power Drift = -0.047 dB

Peak SAR (extrapolated) = 1.27 W/kg

**SAR(1 g) = 0.810 mW/g; SAR(10 g) = 0.515 mW/g**

Maximum value of SAR (measured) = 0.862 mW/g



0 dB = 0.862mW/g

Test Laboratory: ETS PRODUCT SERVICE AG

### 850\_left\_ch189\_tilted\_

**DUT: C 600; Type: UMTS GSM phone; Serial: # 6**

Communication System: GSM 850; Frequency: 836.4 MHz; Duty Cycle: 1:8.3

Medium: Head 900 MHz Medium parameters used:  $f = 836.512$  MHz;  $\sigma = 0.89$  mho/m;  $\epsilon_r = 41.1$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Left Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1711; ConvF(6.58, 6.58, 6.58); Calibrated: 9/19/2007
- Sensor-Surface: 4mm (Mechanical And Optical Surface Detection)
- Electronics: DAE3 Sn522; Calibrated: 9/18/2007
- Phantom: SAM 12; Type: TP-1217; Serial: QD000P40CA
- Measurement SW: DASY4, V4.7 Build 55; Postprocessing SW: SEMCAD, V1.8 Build 176

**C600/Area Scan (81x151x1):** Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 0.269 mW/g

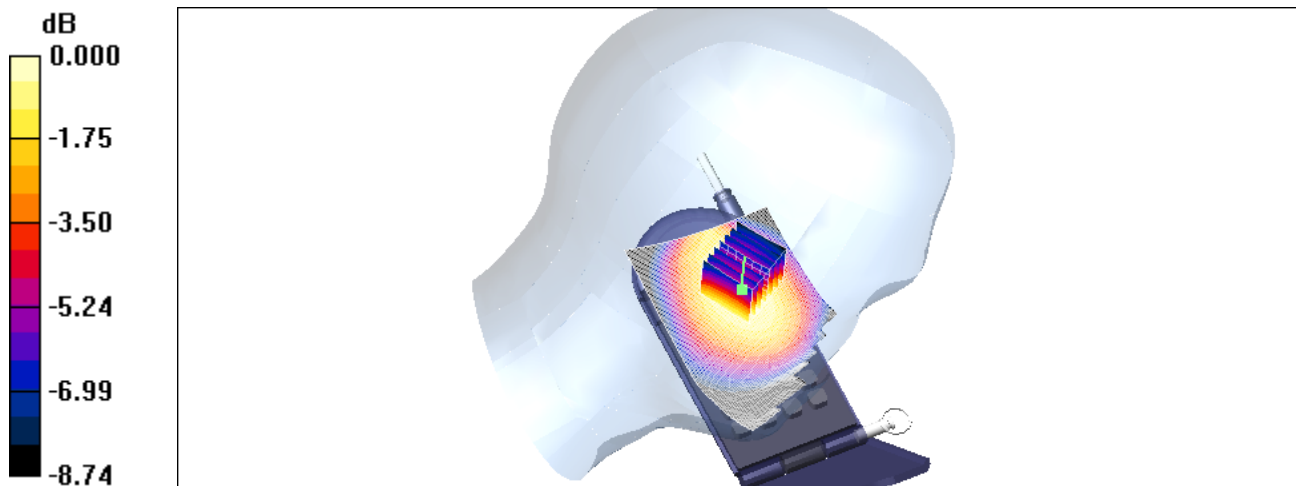
**C600/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 15.3 V/m; Power Drift = 0.023 dB

Peak SAR (extrapolated) = 0.317 W/kg

**SAR(1 g) = 0.254 mW/g; SAR(10 g) = 0.189 mW/g**

Maximum value of SAR (measured) = 0.271 mW/g



0 dB = 0.271mW/g

Test Laboratory: ETS PRODUCT SERVICE AG

### 850\_left\_ch189\_cheek\_

**DUT: C 600; Type: UMTS GSM phone; Serial: # 6**

Communication System: GSM 850; Frequency: 836.4 MHz; Duty Cycle: 1:8.3

Medium: Head 900 MHz Medium parameters used:  $f = 836.512$  MHz;  $\sigma = 0.89$  mho/m;  $\epsilon_r = 41.1$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Left Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1711; ConvF(6.58, 6.58, 6.58); Calibrated: 9/19/2007
- Sensor-Surface: 4mm (Mechanical And Optical Surface Detection)
- Electronics: DAE3 Sn522; Calibrated: 9/18/2007
- Phantom: SAM 12; Type: TP-1217; Serial: QD000P40CA
- Measurement SW: DASY4, V4.7 Build 55; Postprocessing SW: SEMCAD, V1.8 Build 176

**C600/Area Scan (81x151x1):** Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 1.04 mW/g

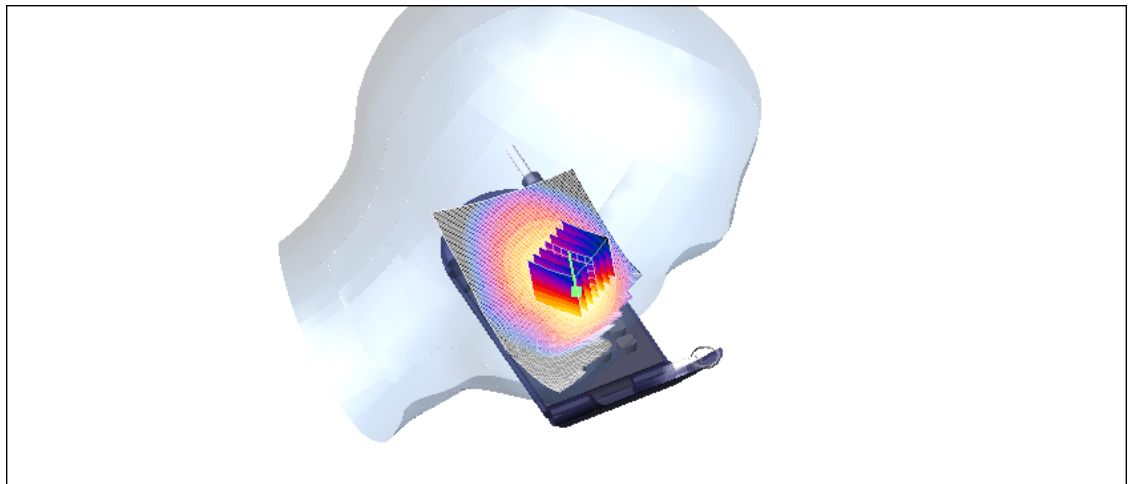
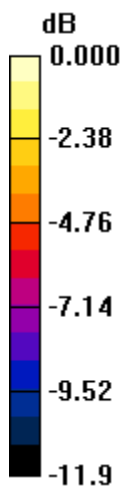
**C600/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 17.6 V/m; Power Drift = -0.013 dB

Peak SAR (extrapolated) = 1.46 W/kg

**SAR(1 g) = 0.922 mW/g; SAR(10 g) = 0.581 mW/g**

Maximum value of SAR (measured) = 1.01 mW/g



0 dB = 1.01mW/g

Test Laboratory: ETS PRODUCT SERVICE AG

### 850\_flat\_ch251\_back\_0mm

**DUT: UMTS GSM phone; Type: S - 6; Serial: C 600**

Communication System: GSM 850; Frequency: 848.8 MHz; Duty Cycle: 1:8.3

Medium: Muscle 900 MHz Medium parameters used:  $f = 848.8$  MHz;  $\sigma = 0.944$  mho/m;  $\epsilon_r = 54.7$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1711; ConvF(6.04, 6.04, 6.04); Calibrated: 9/19/2007
- Sensor-Surface: 4mm (Mechanical And Optical Surface Detection)
- Electronics: DAE3 Sn522; Calibrated: 9/18/2007
- Phantom: SAM 12; Type: TP-1217; Serial: QD000P40CA
- Measurement SW: DASY4, V4.7 Build 55; Postprocessing SW: SEMCAD, V1.8 Build 176

**C600/Area Scan (91x141x1):** Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 0.680 mW/g

**C600/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 23.7 V/m; Power Drift = 0.027 dB

Peak SAR (extrapolated) = 1.58 W/kg

**SAR(1 g) = 0.618 mW/g; SAR(10 g) = 0.308 mW/g**

Maximum value of SAR (measured) = 0.692 mW/g

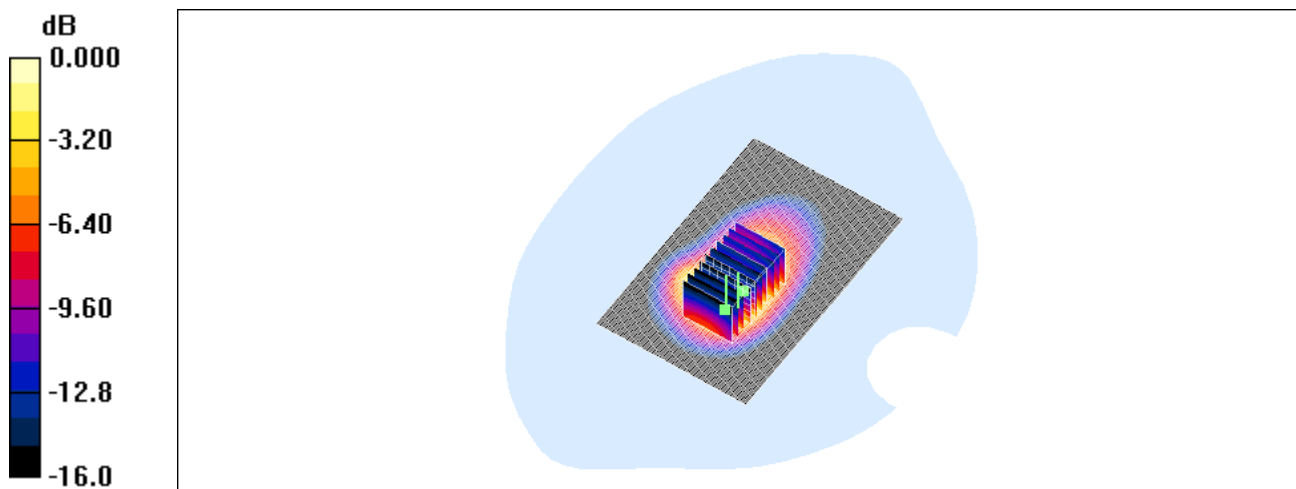
**C600/Zoom Scan (7x7x7)/Cube 1:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 23.7 V/m; Power Drift = 0.027 dB

Peak SAR (extrapolated) = 1.94 W/kg

**SAR(1 g) = 0.607 mW/g; SAR(10 g) = 0.309 mW/g**

Maximum value of SAR (measured) = 0.680 mW/g



0 dB = 0.680mW/g

Test Laboratory: ETS PRODUCT SERVICE AG

### 850\_flat\_ch189\_front\_0mm

**DUT: UMTS GSM phone; Type: S - 6; Serial: C 600**

Communication System: GSM 850; Frequency: 836.4 MHz; Duty Cycle: 1:8.3

Medium: Muscle 900 MHz Medium parameters used:  $f = 836.4$  MHz;  $\sigma = 0.936$  mho/m;  $\epsilon_r = 54.8$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1711; ConvF(6.04, 6.04, 6.04); Calibrated: 9/19/2007
- Sensor-Surface: 4mm (Mechanical And Optical Surface Detection)
- Electronics: DAE3 Sn522; Calibrated: 9/18/2007
- Phantom: SAM 12; Type: TP-1217; Serial: QD000P40CA
- Measurement SW: DASY4, V4.7 Build 55; Postprocessing SW: SEMCAD, V1.8 Build 176

**C600/Area Scan (91x141x1):** Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 0.210 mW/g

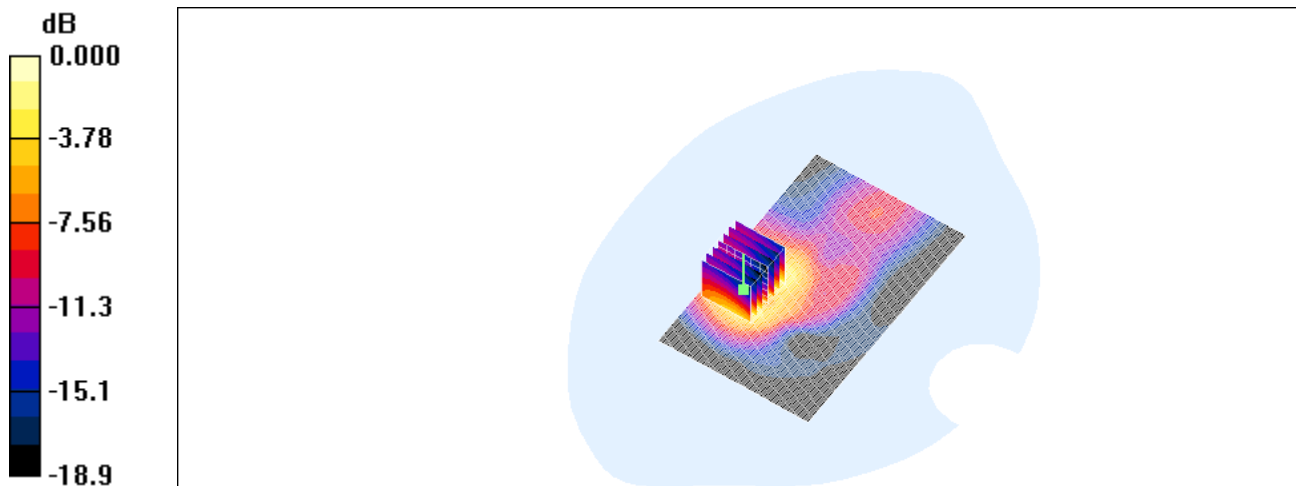
**C600/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 6.18 V/m; Power Drift = 0.079 dB

Peak SAR (extrapolated) = 0.421 W/kg

**SAR(1 g) = 0.189 mW/g; SAR(10 g) = 0.094 mW/g**

Maximum value of SAR (measured) = 0.220 mW/g



0 dB = 0.220mW/g

Test Laboratory: ETS PRODUCT SERVICE AG

### 850\_flat\_ch189\_back\_0mm

**DUT: UMTS GSM phone; Type: S - 6; Serial: C 600**

Communication System: GSM 850; Frequency: 836.4 MHz; Duty Cycle: 1:8.3

Medium: Muscle 900 MHz Medium parameters used:  $f = 836.4$  MHz;  $\sigma = 0.936$  mho/m;  $\epsilon_r = 54.8$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1711; ConvF(6.04, 6.04, 6.04); Calibrated: 9/19/2007
- Sensor-Surface: 4mm (Mechanical And Optical Surface Detection)
- Electronics: DAE3 Sn522; Calibrated: 9/18/2007
- Phantom: SAM 12; Type: TP-1217; Serial: QD000P40CA
- Measurement SW: DASY4, V4.7 Build 55; Postprocessing SW: SEMCAD, V1.8 Build 176

**C600/Area Scan (91x141x1):** Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 0.532 mW/g

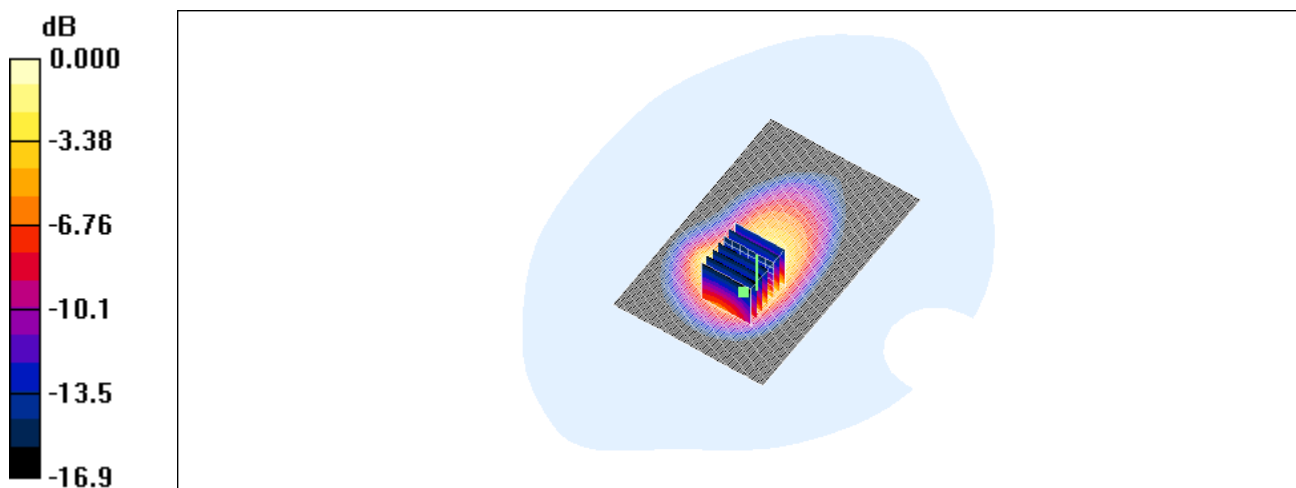
**C600/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 20.3 V/m; Power Drift = -0.020 dB

Peak SAR (extrapolated) = 1.35 W/kg

**SAR(1 g) = 0.476 mW/g; SAR(10 g) = 0.235 mW/g**

Maximum value of SAR (measured) = 0.542 mW/g



0 dB = 0.542mW/g

Test Laboratory: ETS PRODUCT SERVICE AG

### 850\_flat\_ch128\_back\_0mm

**DUT: UMTS GSM phone; Type: S - 6; Serial: C 600**

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

Medium: Muscle 900 MHz Medium parameters used:  $f = 824.2$  MHz;  $\sigma = 0.927$  mho/m;  $\epsilon_r = 54.9$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1711; ConvF(6.04, 6.04, 6.04); Calibrated: 9/19/2007
- Sensor-Surface: 4mm (Mechanical And Optical Surface Detection)
- Electronics: DAE3 Sn522; Calibrated: 9/18/2007
- Phantom: SAM 12; Type: TP-1217; Serial: QD000P40CA
- Measurement SW: DASY4, V4.7 Build 55; Postprocessing SW: SEMCAD, V1.8 Build 176

**C600/Area Scan (91x141x1):** Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 0.398 mW/g

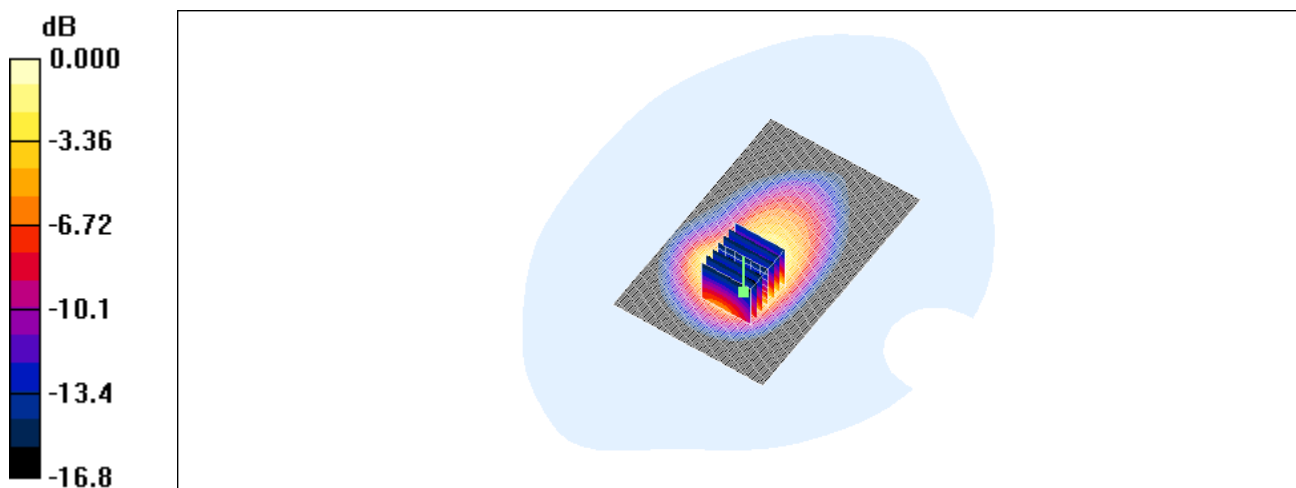
**C600/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 18.8 V/m; Power Drift = -0.012 dB

Peak SAR (extrapolated) = 0.877 W/kg

**SAR(1 g) = 0.362 mW/g; SAR(10 g) = 0.180 mW/g**

Maximum value of SAR (measured) = 0.403 mW/g



0 dB = 0.403mW/g



Test Laboratory: ETS PRODUCT SERVICE AG

### 1900\_right\_ch810\_cheek\_

**DUT: C 600; Type: UMTS GSM phone; Serial: # 6**

Communication System: GSM 1900; Frequency: 1909.8 MHz; Duty Cycle: 1:8.3

Medium: Head 1900 MHz Medium parameters used:  $f = 1909.8$  MHz;  $\sigma = 1.43$  mho/m;  $\epsilon_r = 39.8$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Right Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1711; ConvF(5.22, 5.22, 5.22); Calibrated: 9/19/2007
- Sensor-Surface: 4mm (Mechanical And Optical Surface Detection)
- Electronics: DAE3 Sn522; Calibrated: 9/18/2007
- Phantom: SAM 12; Type: TP-1217; Serial: QD000P40CA
- Measurement SW: DASY4, V4.7 Build 55; Postprocessing SW: SEMCAD, V1.8 Build 176

**C600/Area Scan (81x151x1):** Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 0.947 mW/g

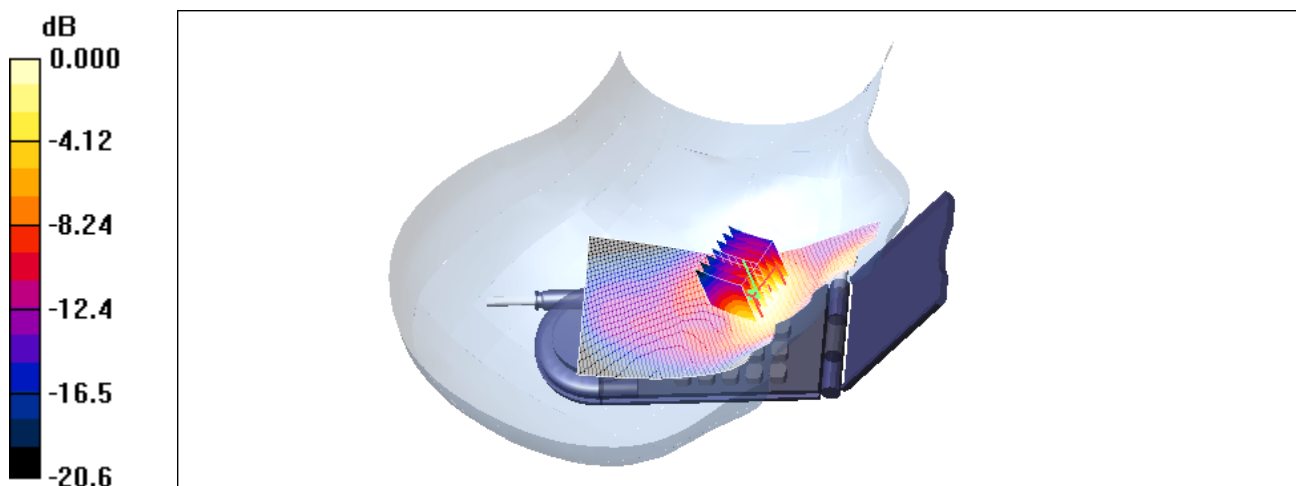
**C600/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 5.83 V/m; Power Drift = 0.008 dB

Peak SAR (extrapolated) = 1.42 W/kg

**SAR(1 g) = 0.856 mW/g; SAR(10 g) = 0.487 mW/g**

Maximum value of SAR (measured) = 0.929 mW/g



0 dB = 0.929mW/g

Test Laboratory: ETS PRODUCT SERVICE AG

## 1900\_right\_ch661\_tilted\_

**DUT: C 600; Type: UMTS GSM phone; Serial: # 6**

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

Medium: Head 1900 MHz Medium parameters used:  $f = 1880$  MHz;  $\sigma = 1.4$  mho/m;  $\epsilon_r = 39.9$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Right Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1711; ConvF(5.22, 5.22, 5.22); Calibrated: 9/19/2007
- Sensor-Surface: 4mm (Mechanical And Optical Surface Detection)
- Electronics: DAE3 Sn522; Calibrated: 9/18/2007
- Phantom: SAM 12; Type: TP-1217; Serial: QD000P40CA
- Measurement SW: DASY4, V4.7 Build 55; Postprocessing SW: SEMCAD, V1.8 Build 176

**C600/Area Scan (81x151x1):** Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 0.120 mW/g

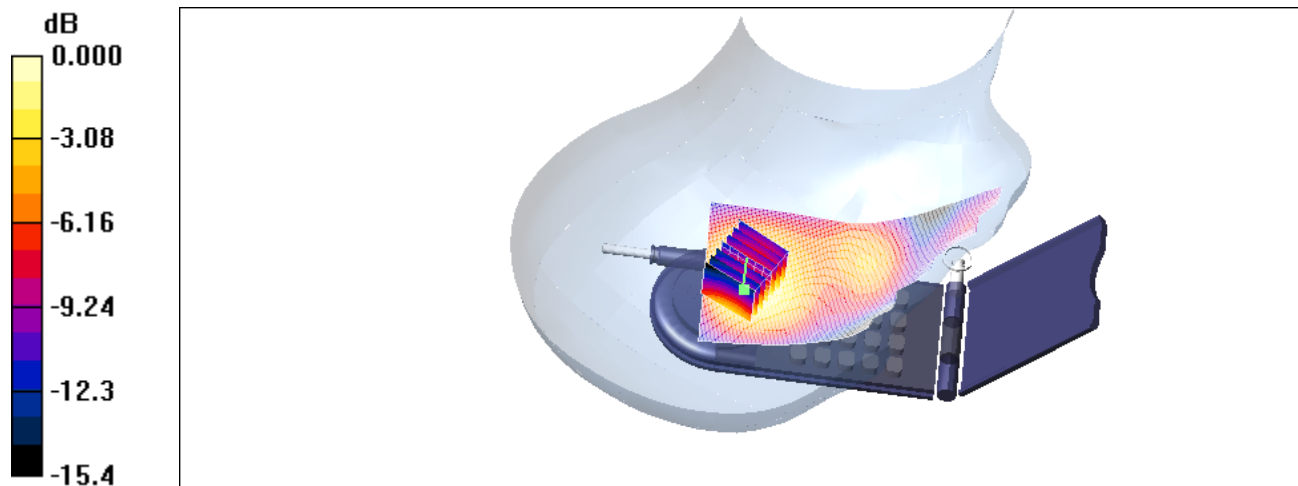
**C600/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 8.88 V/m; Power Drift = -0.052 dB

Peak SAR (extrapolated) = 0.157 W/kg

**SAR(1 g) = 0.112 mW/g; SAR(10 g) = 0.071 mW/g**

Maximum value of SAR (measured) = 0.121 mW/g



0 dB = 0.121mW/g

Test Laboratory: ETS PRODUCT SERVICE AG

### 1900\_right\_ch661\_cheek\_

**DUT: C 600; Type: UMTS GSM phone; Serial: # 6**

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

Medium: Head 1900 MHz Medium parameters used:  $f = 1880$  MHz;  $\sigma = 1.4$  mho/m;  $\epsilon_r = 39.9$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Right Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1711; ConvF(5.22, 5.22, 5.22); Calibrated: 9/19/2007
- Sensor-Surface: 4mm (Mechanical And Optical Surface Detection)
- Electronics: DAE3 Sn522; Calibrated: 9/18/2007
- Phantom: SAM 12; Type: TP-1217; Serial: QD000P40CA
- Measurement SW: DASY4, V4.7 Build 55; Postprocessing SW: SEMCAD, V1.8 Build 176

**C600/Area Scan (81x151x1):** Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 0.833 mW/g

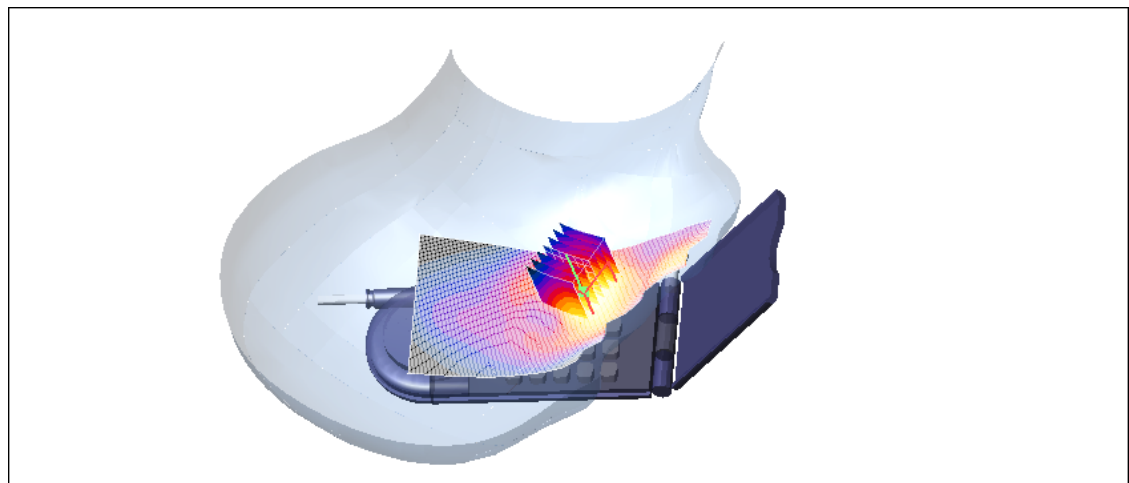
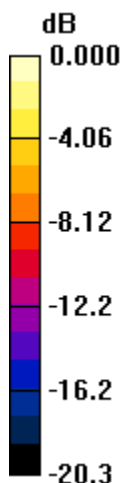
**C600/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 4.65 V/m; Power Drift = 0.015 dB

Peak SAR (extrapolated) = 1.19 W/kg

**SAR(1 g) = 0.716 mW/g; SAR(10 g) = 0.402 mW/g**

Maximum value of SAR (measured) = 0.794 mW/g



0 dB = 0.794mW/g

Test Laboratory: ETS PRODUCT SERVICE AG

### 1900\_right\_ch512\_cheek\_

**DUT: C 600; Type: UMTS GSM phone; Serial: # 6**

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

Medium: Head 1900 MHz Medium parameters used:  $f = 1850.2 \text{ MHz}$ ;  $\sigma = 1.37 \text{ mho/m}$ ;  $\epsilon_r = 39.9$ ;  $\rho = 1000 \text{ kg/m}^3$

Phantom section: Right Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1711; ConvF(5.22, 5.22, 5.22); Calibrated: 9/19/2007
- Sensor-Surface: 4mm (Mechanical And Optical Surface Detection)
- Electronics: DAE3 Sn522; Calibrated: 9/18/2007
- Phantom: SAM 12; Type: TP-1217; Serial: QD000P40CA
- Measurement SW: DASY4, V4.7 Build 55; Postprocessing SW: SEMCAD, V1.8 Build 176

**C600/Area Scan (81x151x1):** Measurement grid:  $dx=10\text{mm}$ ,  $dy=10\text{mm}$

Maximum value of SAR (interpolated) = 0.595 mW/g

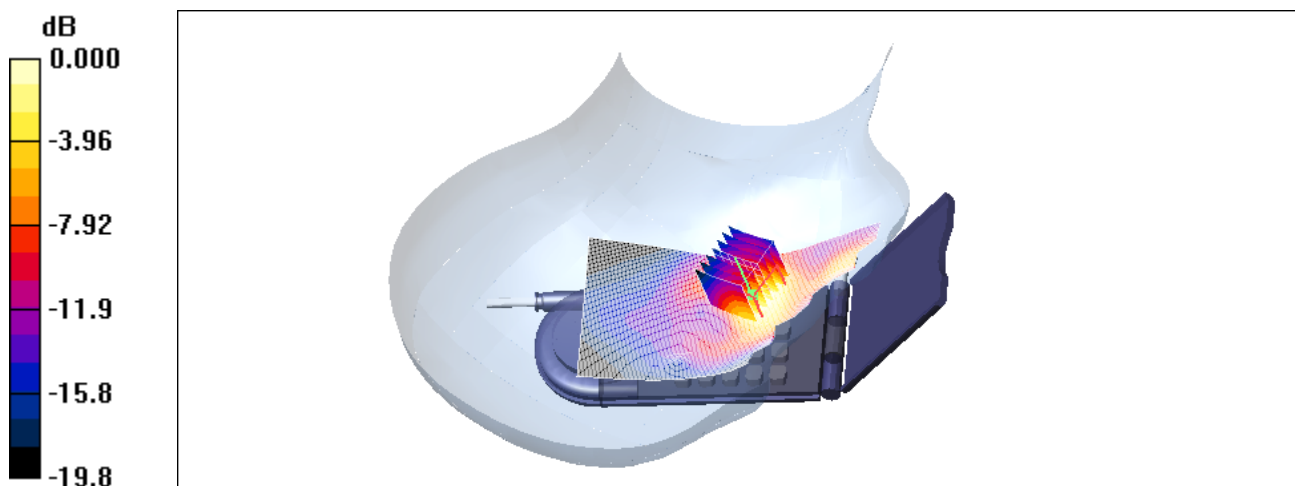
**C600/Zoom Scan (7x7x7)/Cube 0:** Measurement grid:  $dx=5\text{mm}$ ,  $dy=5\text{mm}$ ,  $dz=5\text{mm}$

Reference Value = 3.59 V/m; Power Drift = -0.062 dB

Peak SAR (extrapolated) = 0.836 W/kg

**SAR(1 g) = 0.501 mW/g; SAR(10 g) = 0.281 mW/g**

Maximum value of SAR (measured) = 0.565 mW/g



0 dB = 0.565mW/g

Test Laboratory: ETS PRODUCT SERVICE AG

### 1900\_left\_ch661\_tilted\_

**DUT: C 600; Type: UMTS GSM phone; Serial: # 6**

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

Medium: Head 1900 MHz Medium parameters used:  $f = 1880$  MHz;  $\sigma = 1.4$  mho/m;  $\epsilon_r = 39.9$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Left Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1711; ConvF(5.22, 5.22, 5.22); Calibrated: 9/19/2007
- Sensor-Surface: 4mm (Mechanical And Optical Surface Detection)
- Electronics: DAE3 Sn522; Calibrated: 9/18/2007
- Phantom: SAM 12; Type: TP-1217; Serial: QD000P40CA
- Measurement SW: DASY4, V4.7 Build 55; Postprocessing SW: SEMCAD, V1.8 Build 176

**C600/Area Scan (81x151x1):** Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 0.132 mW/g

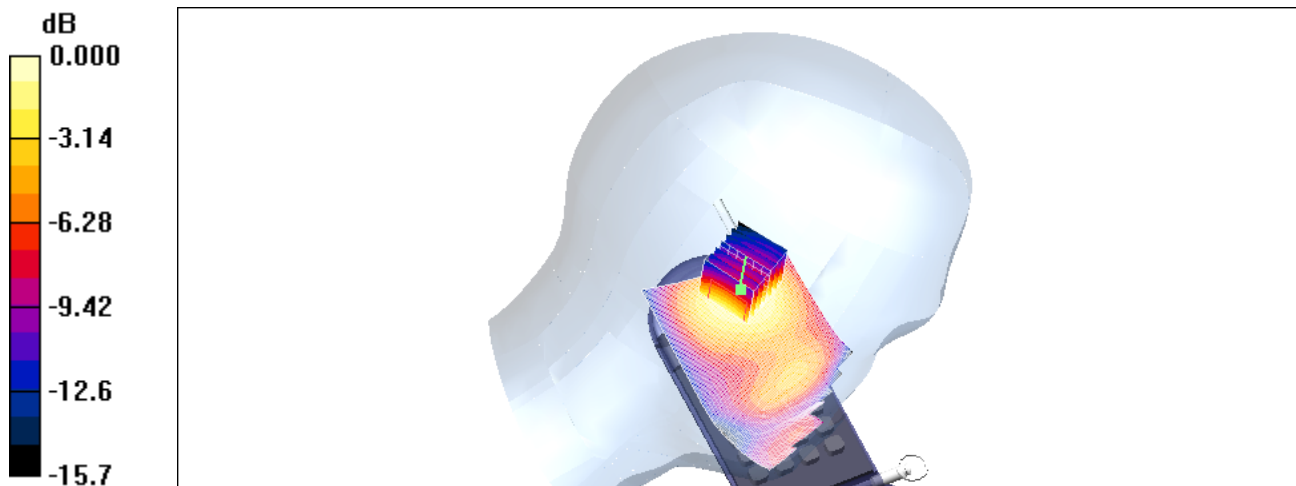
**C600/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 9.24 V/m; Power Drift = 0.036 dB

Peak SAR (extrapolated) = 0.175 W/kg

**SAR(1 g) = 0.119 mW/g; SAR(10 g) = 0.074 mW/g**

Maximum value of SAR (measured) = 0.130 mW/g



0 dB = 0.130mW/g

Test Laboratory: ETS PRODUCT SERVICE AG

### 1900\_left\_ch661\_cheek\_

**DUT: C 600; Type: UMTS GSM phone; Serial: # 6**

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

Medium: Head 1900 MHz Medium parameters used:  $f = 1880$  MHz;  $\sigma = 1.4$  mho/m;  $\epsilon_r = 39.9$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Left Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1711; ConvF(5.22, 5.22, 5.22); Calibrated: 9/19/2007
- Sensor-Surface: 4mm (Mechanical And Optical Surface Detection)
- Electronics: DAE3 Sn522; Calibrated: 9/18/2007
- Phantom: SAM 12; Type: TP-1217; Serial: QD000P40CA
- Measurement SW: DASY4, V4.7 Build 55; Postprocessing SW: SEMCAD, V1.8 Build 176

**C600/Area Scan (81x151x1):** Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 0.522 mW/g

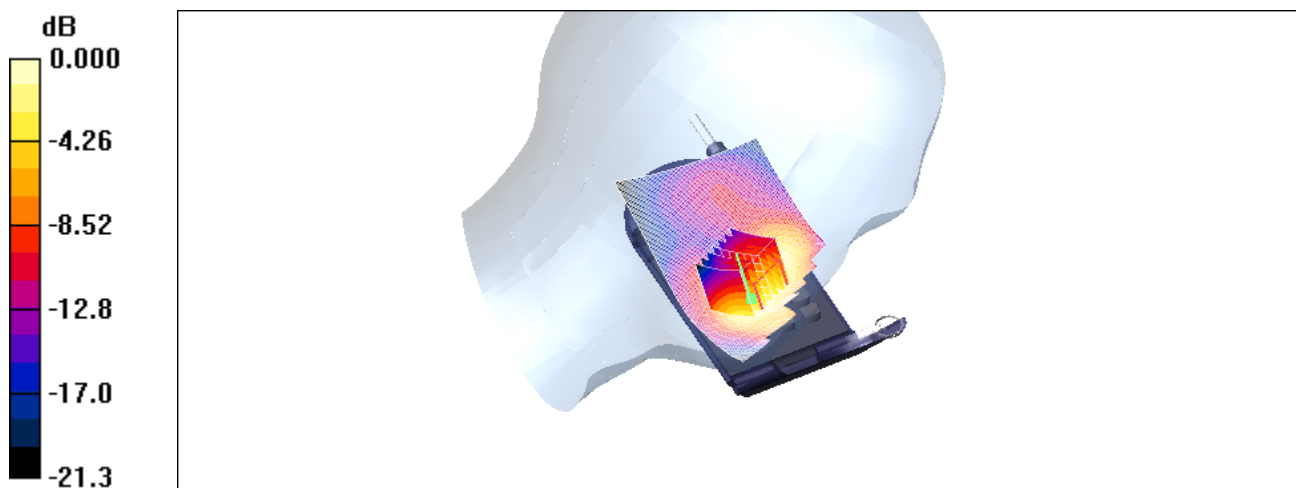
**C600/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 4.80 V/m; Power Drift = 0.018 dB

Peak SAR (extrapolated) = 0.695 W/kg

**SAR(1 g) = 0.474 mW/g; SAR(10 g) = 0.290 mW/g**

Maximum value of SAR (measured) = 0.514 mW/g



0 dB = 0.514mW/g

Test Laboratory: ETS PRODUCT SERVICE AG

### 1900\_flat\_ch810\_back\_5mm

**DUT: UMTS GSM phone; Type: S - 6; Serial: C 600**

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

Medium: Muscle 1900 MHz Medium parameters used:  $f = 1850.2$  MHz;  $\sigma = 1.51$  mho/m;  $\epsilon_r = 52$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1711; ConvF(4.71, 4.71, 4.71); Calibrated: 9/19/2007
- Sensor-Surface: 4mm (Mechanical And Optical Surface Detection)
- Electronics: DAE3 Sn522; Calibrated: 9/18/2007
- Phantom: SAM 12; Type: TP-1217; Serial: QD000P40CA
- Measurement SW: DASY4, V4.7 Build 55; Postprocessing SW: SEMCAD, V1.8 Build 176

**C600/Area Scan (91x141x1):** Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 0.983 mW/g

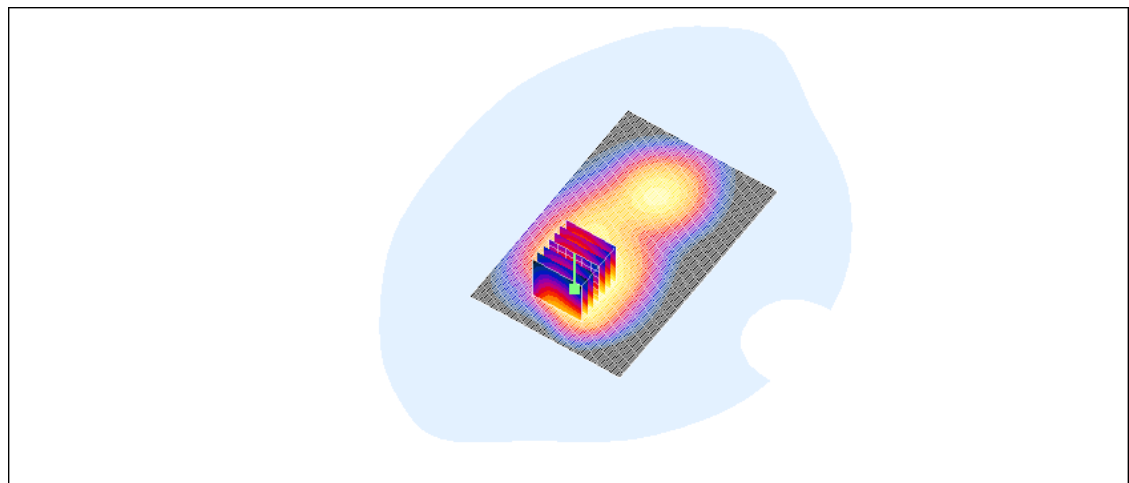
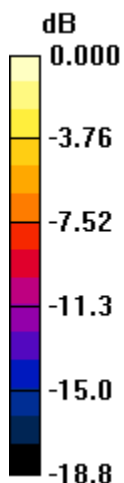
**C600/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 14.7 V/m; Power Drift = 0.059 dB

Peak SAR (extrapolated) = 1.35 W/kg

**SAR(1 g) = 0.864 mW/g; SAR(10 g) = 0.524 mW/g**

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



0 dB = 0.930mW/g

Test Laboratory: ETS PRODUCT SERVICE AG

### 1900\_flat\_ch661\_front\_5mm

**DUT: UMTS GSM phone; Type: S - 6; Serial: C 600**

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

Medium: Muscle 1900 MHz Medium parameters used:  $f = 1880$  MHz;  $\sigma = 1.55$  mho/m;  $\epsilon_r = 51.9$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1711; ConvF(4.71, 4.71, 4.71); Calibrated: 9/19/2007
- Sensor-Surface: 4mm (Mechanical And Optical Surface Detection)
- Electronics: DAE3 Sn522; Calibrated: 9/18/2007
- Phantom: SAM 12; Type: TP-1217; Serial: QD000P40CA
- Measurement SW: DASY4, V4.7 Build 55; Postprocessing SW: SEMCAD, V1.8 Build 176

**C600/Area Scan (91x141x1):** Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 0.396 mW/g

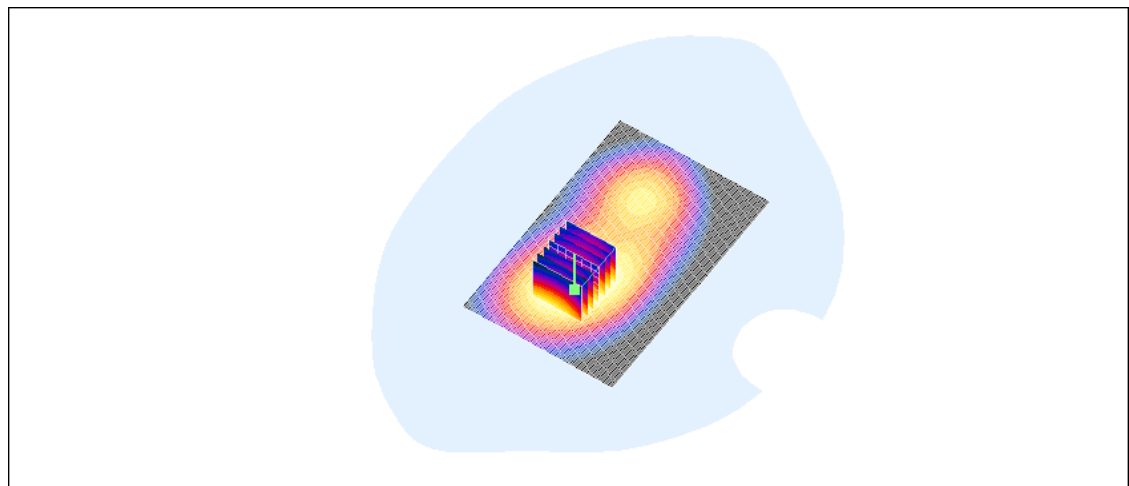
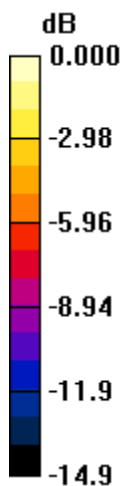
**C600/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 12.4 V/m; Power Drift = -0.003 dB

Peak SAR (extrapolated) = 0.559 W/kg

**SAR(1 g) = 0.371 mW/g; SAR(10 g) = 0.232 mW/g**

Maximum value of SAR (measured) = 0.401 mW/g



0 dB = 0.401mW/g



Test Laboratory: ETS PRODUCT SERVICE AG

### 1900\_flat\_ch661\_back\_5mm

**DUT: UMTS GSM phone; Type: S - 6; Serial: C 600**

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

Medium: Muscle 1900 MHz Medium parameters used:  $f = 1880$  MHz;  $\sigma = 1.55$  mho/m;  $\epsilon_r = 51.9$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1711; ConvF(4.71, 4.71, 4.71); Calibrated: 9/19/2007
- Sensor-Surface: 4mm (Mechanical And Optical Surface Detection)
- Electronics: DAE3 Sn522; Calibrated: 9/18/2007
- Phantom: SAM 12; Type: TP-1217; Serial: QD000P40CA
- Measurement SW: DASY4, V4.7 Build 55; Postprocessing SW: SEMCAD, V1.8 Build 176

**C600/Area Scan (91x141x1):** Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 0.979 mW/g

**C600/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 13.2 V/m; Power Drift = 0.066 dB

Peak SAR (extrapolated) = 1.34 W/kg

**SAR(1 g) = 0.887 mW/g; SAR(10 g) = 0.540 mW/g**

Maximum value of SAR (measured) = 0.969 mW/g

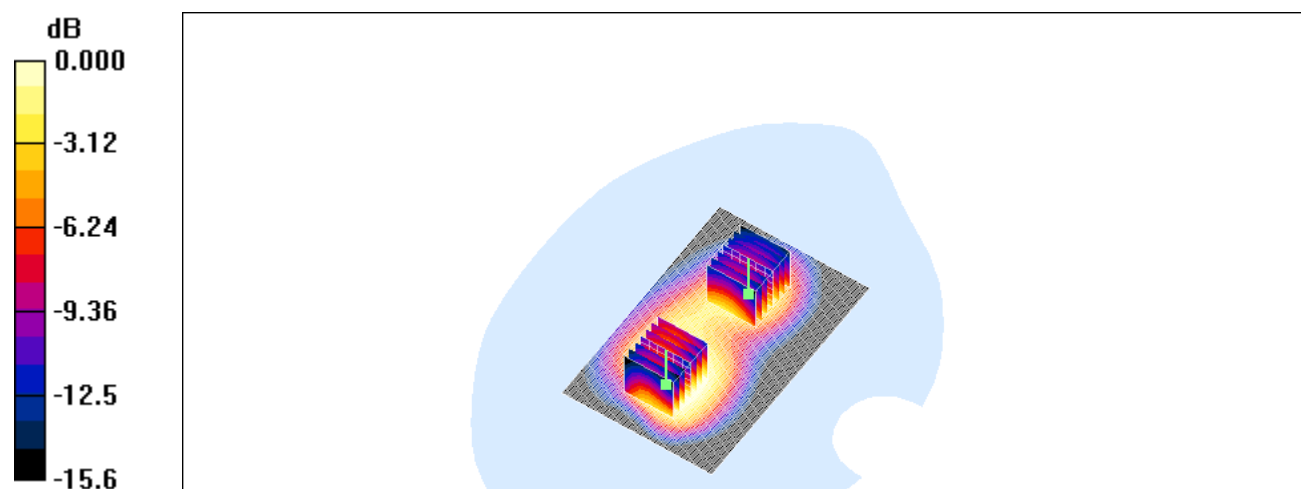
**C600/Zoom Scan (7x7x7)/Cube 1:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 13.2 V/m; Power Drift = 0.066 dB

Peak SAR (extrapolated) = 0.859 W/kg

**SAR(1 g) = 0.562 mW/g; SAR(10 g) = 0.329 mW/g**

Maximum value of SAR (measured) = 0.626 mW/g



0 dB = 0.626mW/g

Test Laboratory: ETS PRODUCT SERVICE AG

### 1900\_flat\_ch512\_back\_5mm

**DUT: UMTS GSM phone; Type: S - 6; Serial: C 600**

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

Medium: Muscle 1900 MHz Medium parameters used:  $f = 1850.2$  MHz;  $\sigma = 1.51$  mho/m;  $\epsilon_r = 52$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1711; ConvF(4.71, 4.71, 4.71); Calibrated: 9/19/2007
- Sensor-Surface: 4mm (Mechanical And Optical Surface Detection)
- Electronics: DAE3 Sn522; Calibrated: 9/18/2007
- Phantom: SAM 12; Type: TP-1217; Serial: QD000P40CA
- Measurement SW: DASY4, V4.7 Build 55; Postprocessing SW: SEMCAD, V1.8 Build 176

**C600/Area Scan (91x141x1):** Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 0.826 mW/g

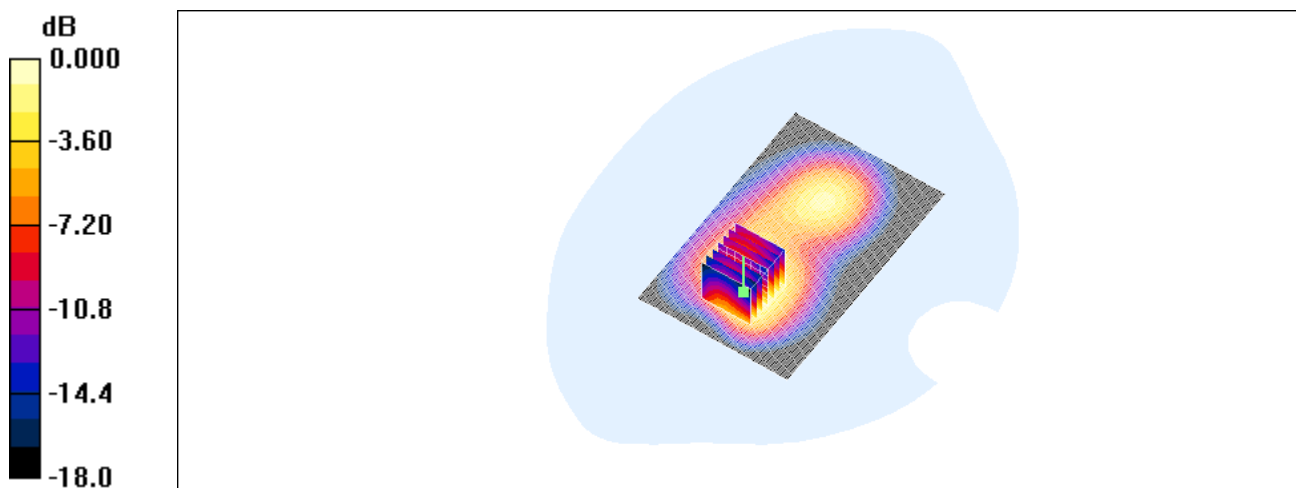
**C600/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 11.8 V/m; Power Drift = -0.010 dB

Peak SAR (extrapolated) = 1.07 W/kg

**SAR(1 g) = 0.713 mW/g; SAR(10 g) = 0.438 mW/g**

Maximum value of SAR (measured) = 0.784 mW/g



0 dB = 0.784mW/g

Test Laboratory: ETS PRODUCT SERVICE AG

## 850\_right\_ch251\_cheek\_z-axis scan

**DUT: C 600; Type: UMTS GSM phone; Serial: # 6**

Communication System: GSM 850; Frequency: 848.8 MHz; Duty Cycle: 1:8.3

Medium: Head 900 MHz Medium parameters used (interpolated):  $f = 848.8$  MHz;  $\sigma = 0.904$  mho/m;  
 $\epsilon_r = 40.9$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Right Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1711; ConvF(6.58, 6.58, 6.58); Calibrated: 9/19/2007
- Sensor-Surface: 4mm (Mechanical And Optical Surface Detection)
- Electronics: DAE3 Sn522; Calibrated: 9/18/2007
- Phantom: SAM 12; Type: TP-1217; Serial: QD000P40CA
- Measurement SW: DASY4, V4.7 Build 55; Postprocessing SW: SEMCAD, V1.8 Build 176

**C600/Area Scan (81x151x1):** Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 1.22 mW/g

**C600/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 16.1 V/m; Power Drift = 0.032 dB

Peak SAR (extrapolated) = 1.87 W/kg

**SAR(1 g) = 1.15 mW/g; SAR(10 g) = 0.719 mW/g**

Maximum value of SAR (measured) = 1.27 mW/g

