

Test Laboratory: Bureau Veritas ADT

## M20-Left Head-Tilt-PCS1900-Ch661\_SIM 1

**DUT: GSM/EGPRS Mobile Phone ; Type: EX128**

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

Medium: HSL1900 Medium parameters used:  $f = 1880$  MHz;  $\sigma = 1.39$  mho/m;  $\epsilon_r = 41.2$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Left Section ; DUT test position : Tilt ; Modulation type: GMSK

DASY4 Configuration:

- Probe: EX3DV4 - SN3590 ; ConvF(8.33, 8.33, 8.33) ; Calibrated: 2010/3/25
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn861; Calibrated: 2010/1/22
- Phantom: SAM 12; Type: SAM V4.0; Serial: TP 1202
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

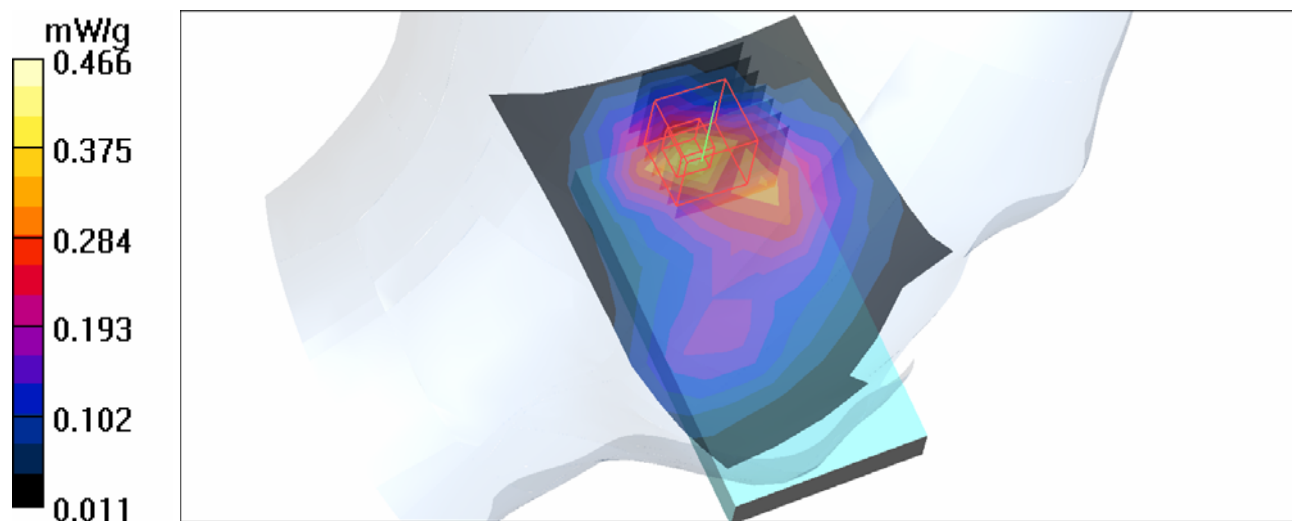
**Tilt Position - Mid Channel 661/Area Scan (7x11x1):** Measurement grid: dx=15mm, dy=15mm  
Maximum value of SAR (measured) = 0.455 mW/g**Tilt Position - Mid Channel 661/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 18.1 V/m; Power Drift = -0.023 dB

Peak SAR (extrapolated) = 0.568 W/kg

**SAR(1 g) = 0.349 mW/g; SAR(10 g) = 0.207 mW/g**

Maximum value of SAR (measured) = 0.466 mW/g



Test Laboratory: Bureau Veritas ADT

## M21-Left Head-Cheek-PCS1900-Ch512\_SIM 2

**DUT: GSM/EGPRS Mobile Phone ; Type: EX128**

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

Medium: HSL1900 Medium parameters used:  $f = 1850.2$  MHz;  $\sigma = 1.36$  mho/m;  $\epsilon_r = 41.3$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Left Section ; DUT test position : Cheek ; Modulation type: GMSK

DASY4 Configuration:

- Probe: EX3DV4 - SN3590 ; ConvF(8.33, 8.33, 8.33) ; Calibrated: 2010/3/25
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn861; Calibrated: 2010/1/22
- Phantom: SAM 12; Type: SAM V4.0; Serial: TP 1202
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

**Touch Position - Low Channel 512/Area Scan (7x11x1):** Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 1.74 mW/g

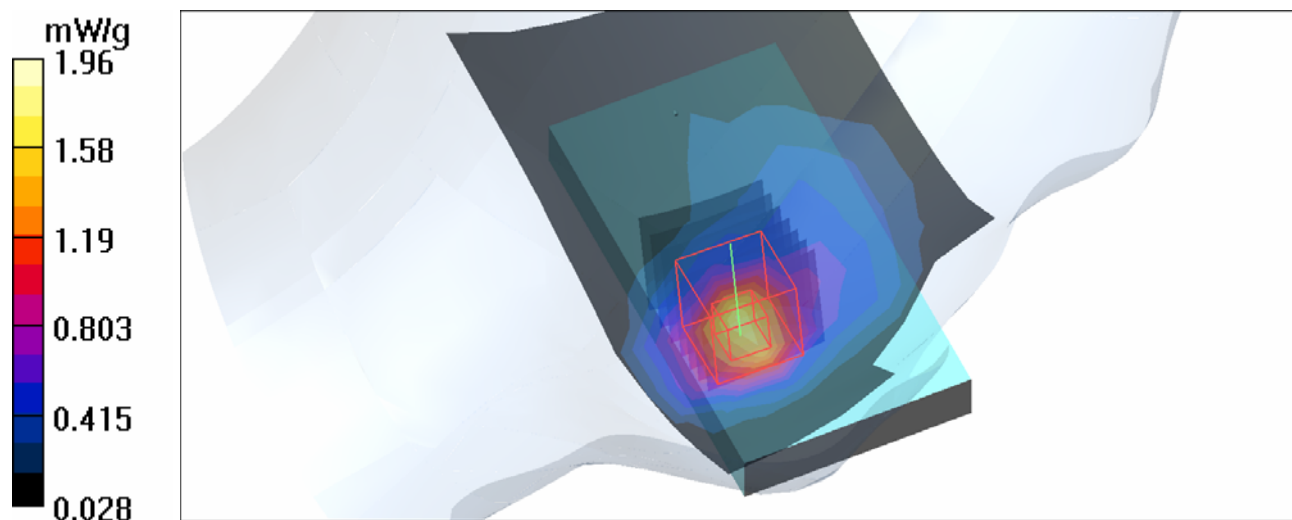
**Touch Position - Low Channel 512/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 9.73 V/m; Power Drift = -0.088 dB

Peak SAR (extrapolated) = 2.39 W/kg

**SAR(1 g) = 1.42 mW/g; SAR(10 g) = 0.771 mW/g**

Maximum value of SAR (measured) = 1.96 mW/g



Test Laboratory: Bureau Veritas ADT

## M21-Left Head-Cheek-PCS1900-Ch661\_SIM 2

**DUT: GSM/EGPRS Mobile Phone ; Type: EX128**

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

Medium: HSL1900 Medium parameters used:  $f = 1880$  MHz;  $\sigma = 1.39$  mho/m;  $\epsilon_r = 41.2$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Left Section ; DUT test position : Cheek ; Modulation type: GMSK

DASY4 Configuration:

- Probe: EX3DV4 - SN3590 ; ConvF(8.33, 8.33, 8.33) ; Calibrated: 2010/3/25
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn861; Calibrated: 2010/1/22
- Phantom: SAM 12; Type: SAM V4.0; Serial: TP 1202
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

**Touch Position - Mid Channel 661/Area Scan (7x11x1):** Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 1.72 mW/g

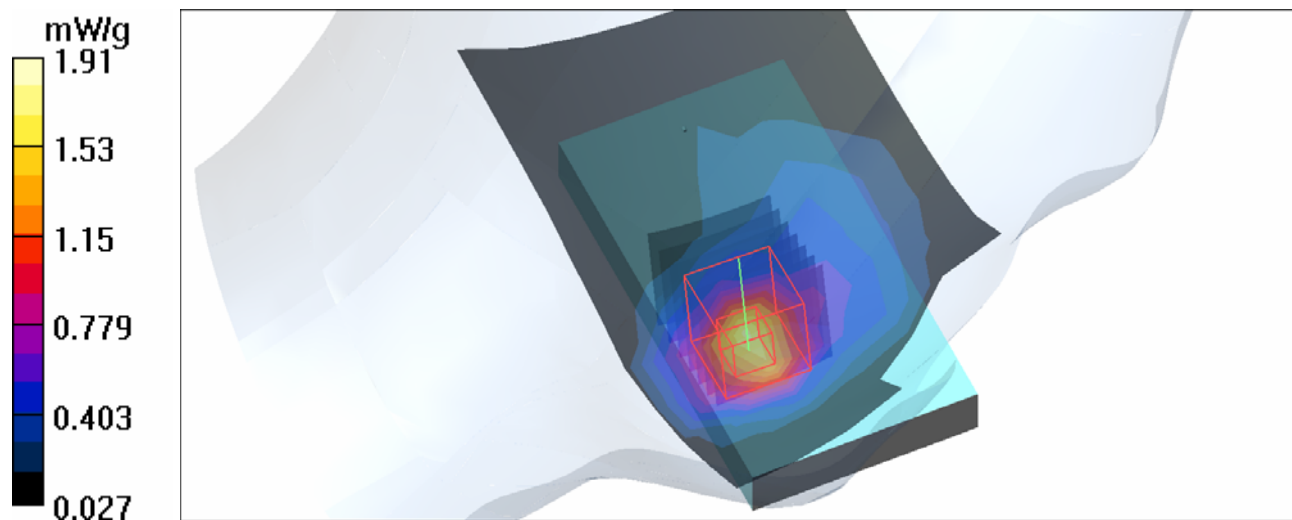
**Touch Position - Mid Channel 661/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 9.52 V/m; Power Drift = 0.086 dB

Peak SAR (extrapolated) = 2.34 W/kg

**SAR(1 g) = 1.37 mW/g; SAR(10 g) = 0.739 mW/g**

Maximum value of SAR (measured) = 1.91 mW/g



Test Laboratory: Bureau Veritas ADT

## M21-Left Head-Cheek-PCS1900-Ch810\_SIM 2

**DUT: GSM/EGPRS Mobile Phone ; Type: EX128**

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

Medium: HSL1900 Medium parameters used :  $f = 1909.8$  MHz;  $\sigma = 1.42$  mho/m;  $\epsilon_r = 40.9$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Left Section ; DUT test position : Cheek ; Modulation type: GMSK

DASY4 Configuration:

- Probe: EX3DV4 - SN3590 ; ConvF(8.33, 8.33, 8.33) ; Calibrated: 2010/3/25
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn861; Calibrated: 2010/1/22
- Phantom: SAM 12; Type: SAM V4.0; Serial: TP 1202
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

**Touch Position - High Channel 810/Area Scan (7x11x1):** Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 1.78 mW/g

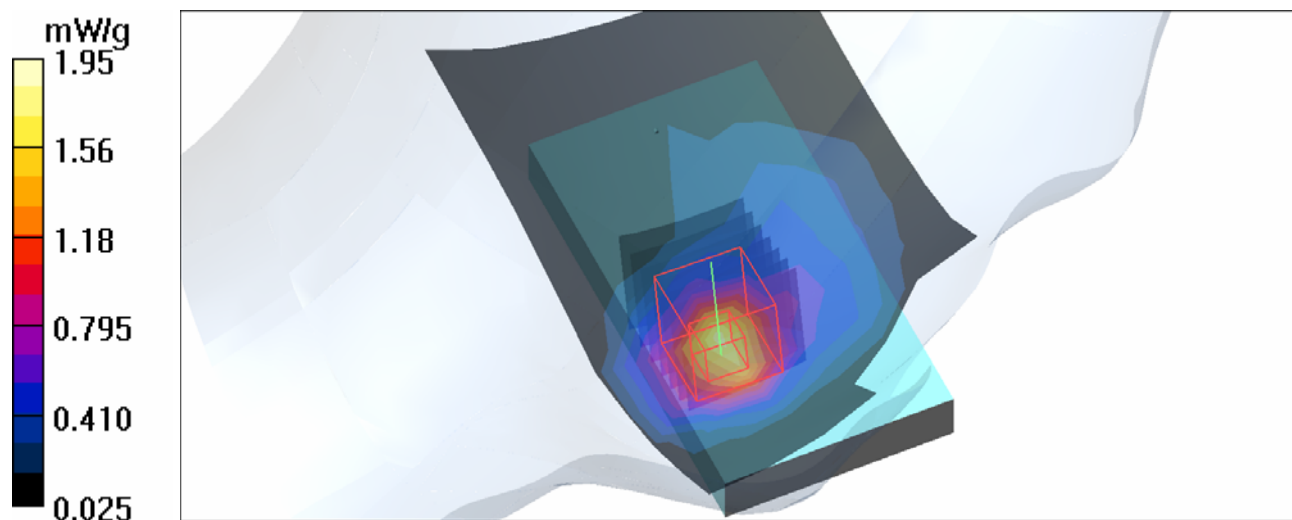
**Touch Position - High Channel 810/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 9.69 V/m; Power Drift = -0.111 dB

Peak SAR (extrapolated) = 2.40 W/kg

**SAR(1 g) = 1.41 mW/g; SAR(10 g) = 0.758 mW/g**

Maximum value of SAR (measured) = 1.95 mW/g



Test Laboratory: Bureau Veritas ADT

## M22-Body-GPRS1900 TS2-Ch661\_SIM 1

**DUT: GSM/EGPRS Mobile Phone ; Type: EX128**

Communication System: GPRS 1900 ; Frequency: 1880 MHz ; Duty Cycle: 1:4

Medium: MSL1900 Medium parameters used:  $f = 1880$  MHz;  $\sigma = 1.52$  mho/m;  $\epsilon_r = 55$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section ; DUT test position : Body ; Modulation Type: GMSK / UL 2 time slots

Separation Distance : 15 mm ( The bottom side of the EUT with headset to the Phantom)

DASY4 Configuration:

- Probe: EX3DV4 - SN3590 ; ConvF(8.61, 8.61, 8.61) ; Calibrated: 2010/3/25
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn861 ; Calibrated: 2010/1/22
- Phantom: SAM 12 ; Type: SAM V4.0; Serial: TP 1202
- Measurement SW: DASY4, V4.7 Build 80 ; Postprocessing SW: SEMCAD, V1.8 Build 186

**Mid Channel 661/Area Scan (7x11x1):** Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 0.636 mW/g

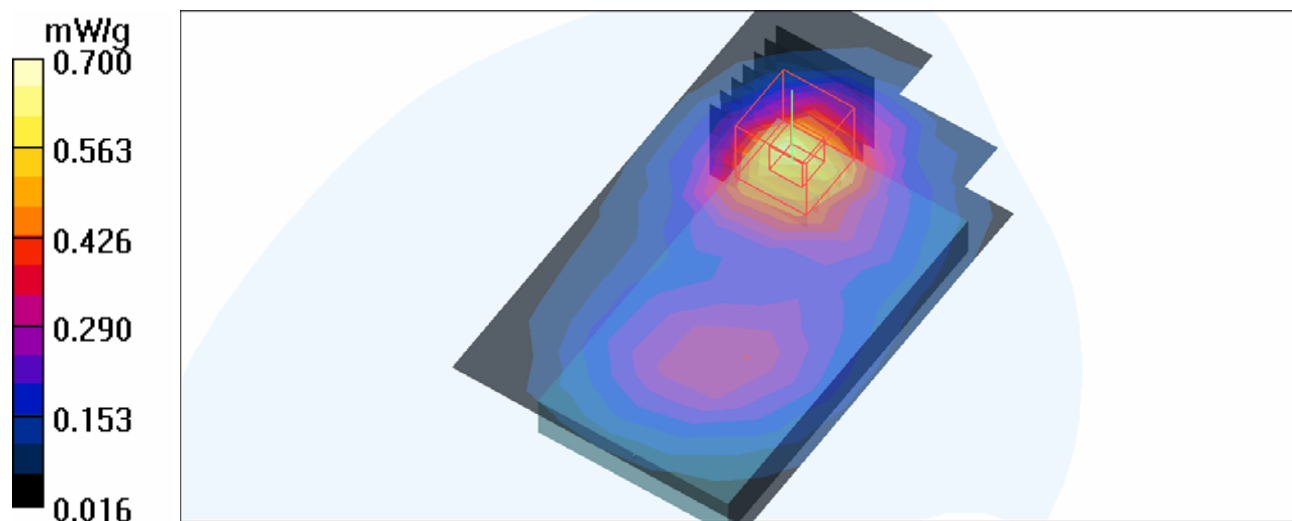
**Mid Channel 661/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 11.3 V/m; Power Drift = -0.117 dB

Peak SAR (extrapolated) = 0.869 W/kg

**SAR(1 g) = 0.521 mW/g; SAR(10 g) = 0.296 mW/g**

Maximum value of SAR (measured) = 0.700 mW/g



Test Laboratory: Bureau Veritas ADT

**M23-Body-GPRS1900 TS2-Ch661\_SIM 1 / LCD Up****DUT: GSM/EGPRS Mobile Phone ; Type: EX128**

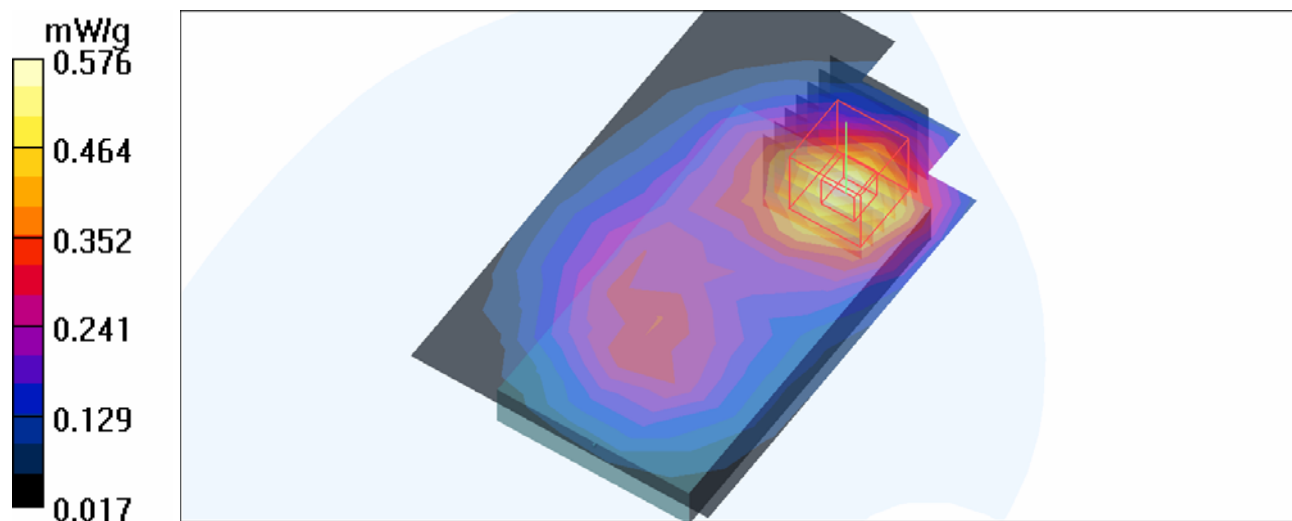
Communication System: GPRS 1900 ; Frequency: 1880 MHz ; Duty Cycle: 1:4  
Medium: MSL1900 Medium parameters used:  $f = 1880$  MHz;  $\sigma = 1.52$  mho/m;  $\epsilon_r = 55$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Phantom section: Flat Section ; DUT test position : Body ; Modulation Type: GMSK / UL 2 time slots  
Separation Distance : 15 mm ( The front side of the EUT with headset to the Phantom)

DASY4 Configuration:

- Probe: EX3DV4 - SN3590 ; ConvF(8.61, 8.61, 8.61) ; Calibrated: 2010/3/25
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn861 ; Calibrated: 2010/1/22
- Phantom: SAM 12 ; Type: SAM V4.0; Serial: TP 1202
- Measurement SW: DASY4, V4.7 Build 80 ; Postprocessing SW: SEMCAD, V1.8 Build 186

**Mid Channel 661/Area Scan (7x11x1):** Measurement grid: dx=15mm, dy=15mm  
Maximum value of SAR (measured) = 0.583 mW/g

**Mid Channel 661/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm  
Reference Value = 11.0 V/m; Power Drift = -0.149 dB  
Peak SAR (extrapolated) = 0.710 W/kg  
**SAR(1 g) = 0.430 mW/g; SAR(10 g) = 0.254 mW/g**  
Maximum value of SAR (measured) = 0.576 mW/g



Test Laboratory: Bureau Veritas ADT

## M24-Body-E-GPRS1900 TS2-Ch661\_SIM 1

**DUT: GSM/EGPRS Mobile Phone ; Type: EX128**

Communication System: E-GPRS 1900 ; Frequency: 1880 MHz ; Duty Cycle: 1:4  
Medium: MSL1900 Medium parameters used:  $f = 1880$  MHz;  $\sigma = 1.52$  mho/m;  $\epsilon_r = 55$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Phantom section: Flat Section ; DUT test position : Body ; Modulation Type: 8PSK / UL 2 time slots  
Separation Distance : 15 mm ( The bottom side of the EUT with headset to the Phantom)

DASY4 Configuration:

- Probe: EX3DV4 - SN3590 ; ConvF(8.61, 8.61, 8.61) ; Calibrated: 2010/3/25
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn861 ; Calibrated: 2010/1/22
- Phantom: SAM 12 ; Type: SAM V4.0; Serial: TP 1202
- Measurement SW: DASY4, V4.7 Build 80 ; Postprocessing SW: SEMCAD, V1.8 Build 186

**Mid Channel 661/Area Scan (7x11x1):** Measurement grid: dx=15mm, dy=15mm

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

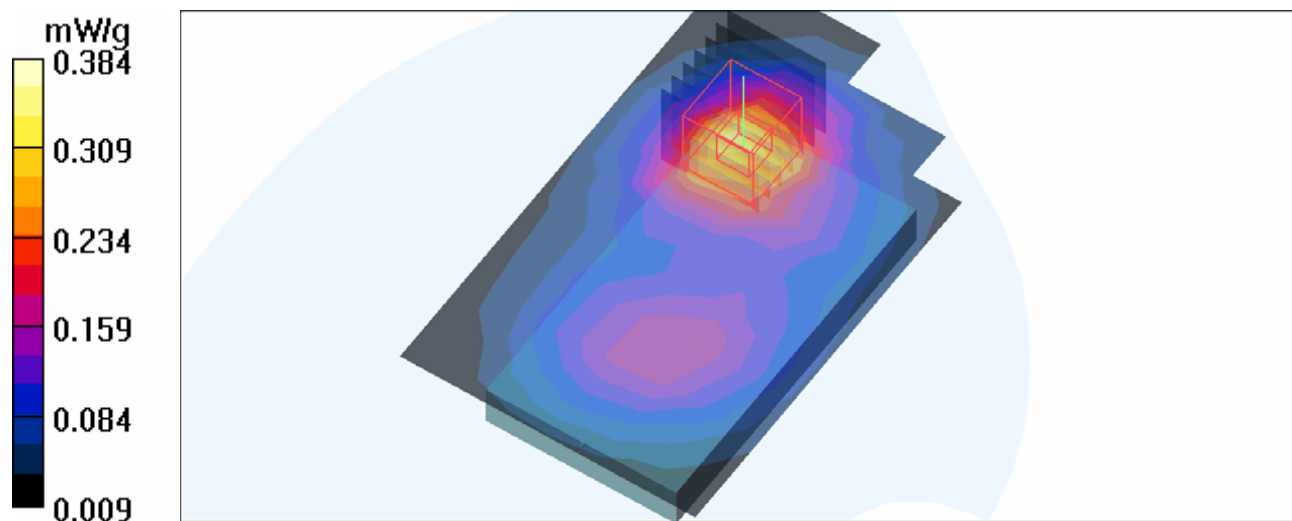
**Mid Channel 661/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 8.21 V/m; Power Drift = 0.055 dB

Peak SAR (extrapolated) = 0.473 W/kg

**SAR(1 g) = 0.284 mW/g; SAR(10 g) = 0.162 mW/g**

Maximum value of SAR (measured) = 0.384 mW/g



Test Laboratory: Bureau Veritas ADT

## M25-Body-E-GPRS1900 TS2-Ch661\_SIM 1 / LCD Up

**DUT: GSM/EGPRS Mobile Phone ; Type: EX128**

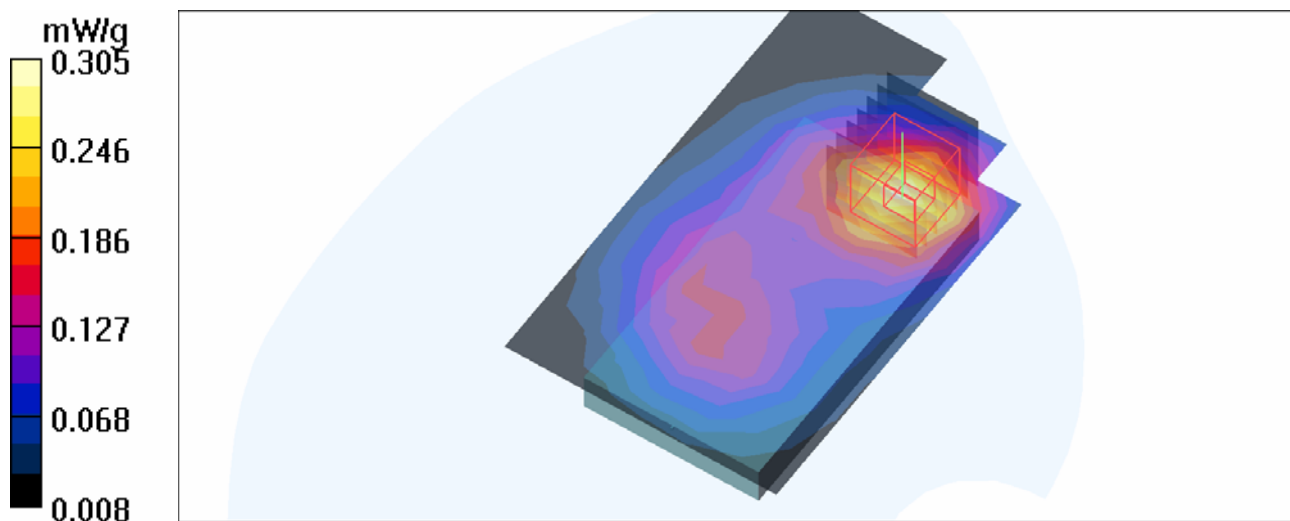
Communication System: E-GPRS 1900 ; Frequency: 1880 MHz ; Duty Cycle: 1:4  
 Medium: MSL1900 Medium parameters used:  $f = 1880$  MHz;  $\sigma = 1.52$  mho/m;  $\epsilon_r = 55$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
 Phantom section: Flat Section ; DUT test position : Body ; Modulation Type: 8PSK / UL 2 time slots  
 Separation Distance : 15 mm ( The front side of the EUT with headset to the Phantom)

DASY4 Configuration:

- Probe: EX3DV4 - SN3590 ; ConvF(8.61, 8.61, 8.61) ; Calibrated: 2010/3/25
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn861 ; Calibrated: 2010/1/22
- Phantom: SAM 12 ; Type: SAM V4.0; Serial: TP 1202
- Measurement SW: DASY4, V4.7 Build 80 ; Postprocessing SW: SEMCAD, V1.8 Build 186

**Mid Channel 661/Area Scan (7x11x1):** Measurement grid: dx=15mm, dy=15mm  
 Maximum value of SAR (measured) = 0.302 mW/g

**Mid Channel 661/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm  
 Reference Value = 7.77 V/m; Power Drift = -0.128 dB  
 Peak SAR (extrapolated) = 0.376 W/kg  
**SAR(1 g) = 0.228 mW/g; SAR(10 g) = 0.136 mW/g**  
 Maximum value of SAR (measured) = 0.305 mW/g



Test Laboratory: Bureau Veritas ADT

## M26-Body-PCS1900-Ch661\_SIM 1

### DUT: GSM/EGPRS Mobile Phone ; Type: EX128

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

Medium: MSL1900 Medium parameters used:  $f = 1880$  MHz;  $\sigma = 1.52$  mho/m;  $\epsilon_r = 55$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section ; DUT test position : Body ; Modulation Type: GMSK

Separation Distance : 15 mm ( The bottom side of the EUT with headset to the Phantom)

#### DASY4 Configuration:

- Probe: EX3DV4 - SN3590 ; ConvF(8.61, 8.61, 8.61) ; Calibrated: 2010/3/25
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn861 ; Calibrated: 2010/1/22
- Phantom: SAM 12 ; Type: SAM V4.0; Serial: TP 1202
- Measurement SW: DASY4, V4.7 Build 80 ; Postprocessing SW: SEMCAD, V1.8 Build 186

**Mid Channel 661/Area Scan (7x11x1):** Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 0.539 mW/g

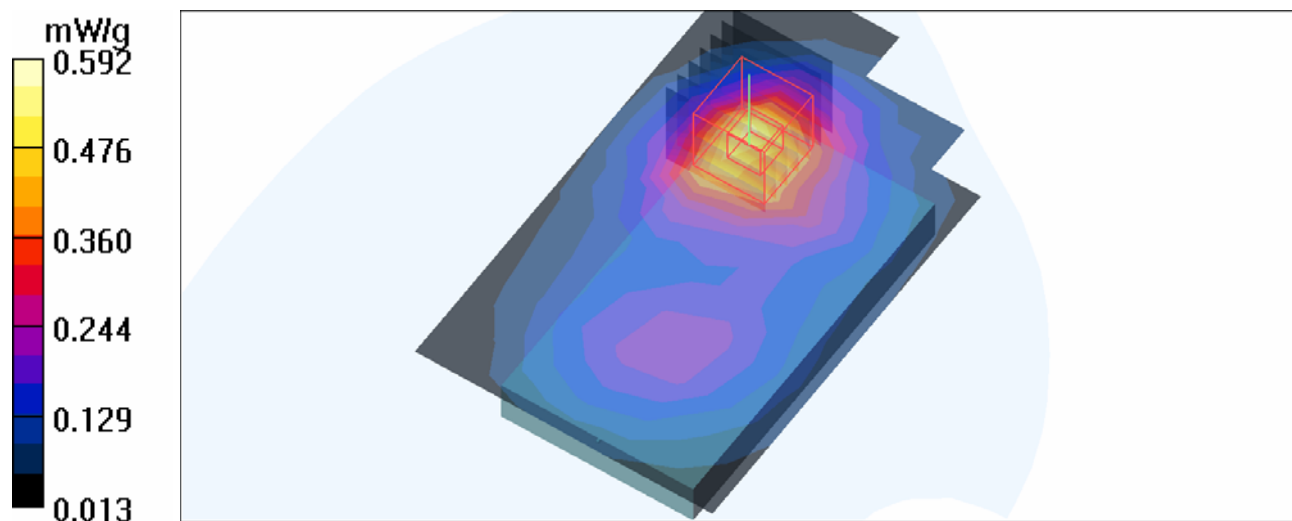
**Mid Channel 661/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 10.3 V/m; Power Drift = 0.002 dB

Peak SAR (extrapolated) = 0.735 W/kg

**SAR(1 g) = 0.440 mW/g; SAR(10 g) = 0.251 mW/g**

Maximum value of SAR (measured) = 0.592 mW/g



Test Laboratory: Bureau Veritas ADT

## M27-Body-GPRS1900 TS1-Ch661\_SIM 1

**DUT: GSM/EGPRS Mobile Phone ; Type: EX128**

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

Medium: MSL1900 Medium parameters used:  $f = 1880$  MHz;  $\sigma = 1.52$  mho/m;  $\epsilon_r = 55$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section ; DUT test position : Body ; Modulation Type: GMSK / UL 1 time slot

Separation Distance : 15 mm ( The bottom side of the EUT with headset to the Phantom)

DASY4 Configuration:

- Probe: EX3DV4 - SN3590 ; ConvF(8.61, 8.61, 8.61) ; Calibrated: 2010/3/25
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn861 ; Calibrated: 2010/1/22
- Phantom: SAM 12 ; Type: SAM V4.0; Serial: TP 1202
- Measurement SW: DASY4, V4.7 Build 80 ; Postprocessing SW: SEMCAD, V1.8 Build 186

**Mid Channel 661/Area Scan (7x11x1):** Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 0.506 mW/g

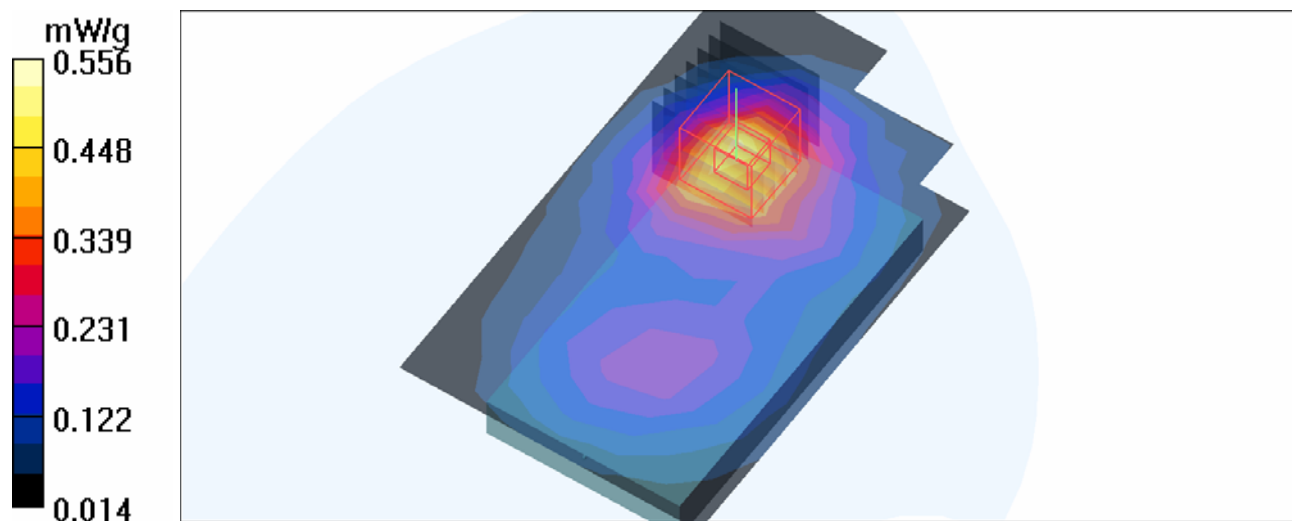
**Mid Channel 661/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 9.93 V/m; Power Drift = 0.019 dB

Peak SAR (extrapolated) = 0.689 W/kg

**SAR(1 g) = 0.415 mW/g; SAR(10 g) = 0.237 mW/g**

Maximum value of SAR (measured) = 0.556 mW/g



Date/Time: 2010/8/19 12:58:00

Test Laboratory: Bureau Veritas ADT

## M28-Body-E-GPRS1900 TS1-Ch661\_SIM 1

**DUT: GSM/EGPRS Mobile Phone ; Type: EX128**

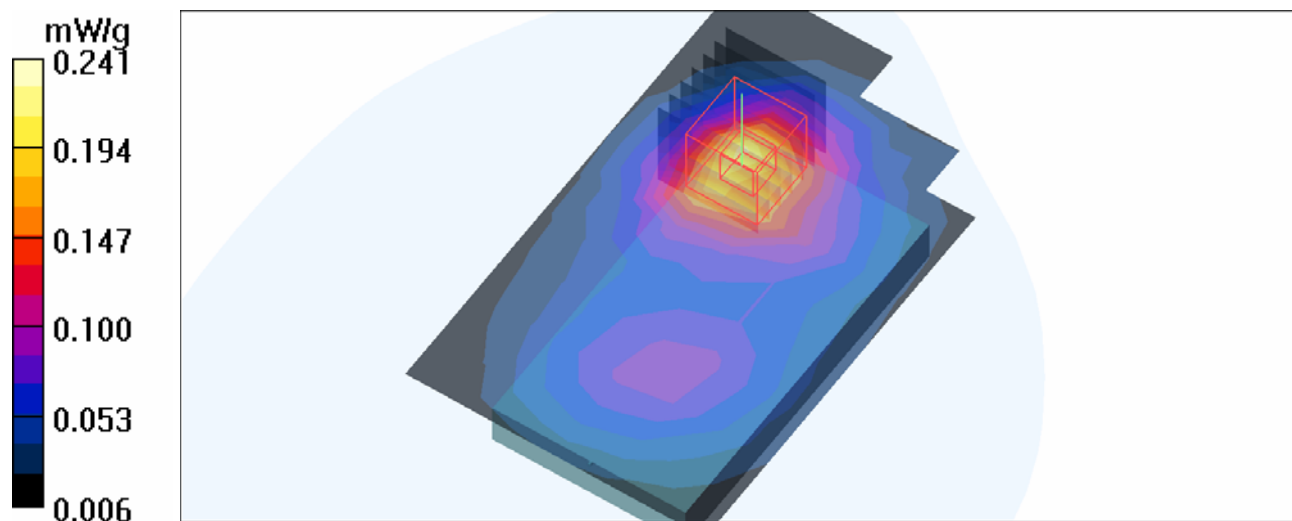
Communication System: E-GPRS 1900 ; Frequency: 1880 MHz ; Duty Cycle: 1:8.3  
Medium: MSL1900 Medium parameters used:  $f = 1880$  MHz;  $\sigma = 1.52$  mho/m;  $\epsilon_r = 55$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Phantom section: Flat Section ; DUT test position : Body ; Modulation Type: 8PSK / UL 1 time slot  
Separation Distance : 15 mm ( The bottom side of the EUT with headset to the Phantom)

DASY4 Configuration:

- Probe: EX3DV4 - SN3590 ; ConvF(8.61, 8.61, 8.61) ; Calibrated: 2010/3/25
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn861 ; Calibrated: 2010/1/22
- Phantom: SAM 12 ; Type: SAM V4.0; Serial: TP 1202
- Measurement SW: DASY4, V4.7 Build 80 ; Postprocessing SW: SEMCAD, V1.8 Build 186

**Mid Channel 661/Area Scan (7x11x1):** Measurement grid: dx=15mm, dy=15mm  
Maximum value of SAR (measured) = 0.219 mW/g

**Mid Channel 661/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm  
Reference Value = 6.49 V/m; Power Drift = 0.077 dB  
Peak SAR (extrapolated) = 0.301 W/kg  
**SAR(1 g) = 0.179 mW/g; SAR(10 g) = 0.102 mW/g**  
Maximum value of SAR (measured) = 0.241 mW/g



Date/Time: 2010/8/19 13:24:43

Test Laboratory: Bureau Veritas ADT

## M29-Body-PCS1900-Ch661\_SIM 1 / LCD Up

**DUT: GSM/EGPRS Mobile Phone ; Type: EX128**

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

Medium: MSL1900 Medium parameters used:  $f = 1880$  MHz;  $\sigma = 1.52$  mho/m;  $\epsilon_r = 55$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section ; DUT test position : Body ; Modulation Type: GMSK

Separation Distance : 15 mm ( The front side of the EUT with headset to the Phantom)

DASY4 Configuration:

- Probe: EX3DV4 - SN3590 ; ConvF(8.61, 8.61, 8.61) ; Calibrated: 2010/3/25
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn861 ; Calibrated: 2010/1/22
- Phantom: SAM 12 ; Type: SAM V4.0; Serial: TP 1202
- Measurement SW: DASY4, V4.7 Build 80 ; Postprocessing SW: SEMCAD, V1.8 Build 186

**Mid Channel 661/Area Scan (7x11x1):** Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 0.407 mW/g

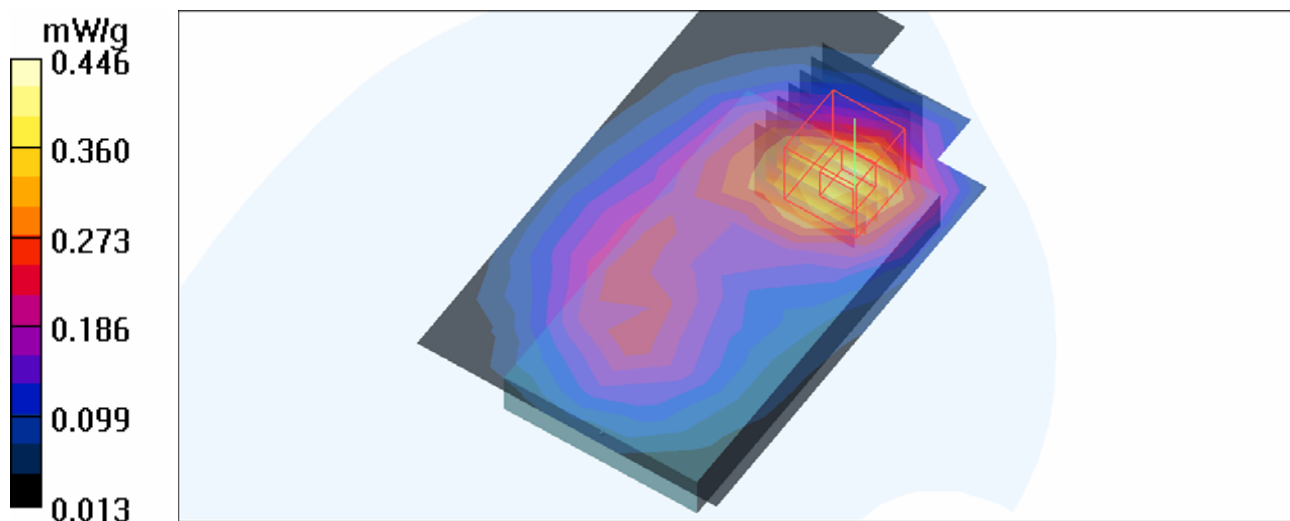
**Mid Channel 661/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 10.2 V/m; Power Drift = 0.123 dB

Peak SAR (extrapolated) = 0.553 W/kg

**SAR(1 g) = 0.336 mW/g; SAR(10 g) = 0.199 mW/g**

Maximum value of SAR (measured) = 0.446 mW/g



Test Laboratory: Bureau Veritas ADT

## M30-Body-GPRS1900 TS1-Ch661\_SIM 1 / LCD Up

**DUT: GSM/EGPRS Mobile Phone ; Type: EX128**

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

Medium: MSL1900 Medium parameters used:  $f = 1880$  MHz;  $\sigma = 1.52$  mho/m;  $\epsilon_r = 55$ ;  $\rho = 1000$  kg/m<sup>3</sup>Phantom section: Flat Section ; DUT test position : Body ; Modulation Type: GMSK / UL 1 time slot  
Separation Distance : 15 mm ( The front side of the EUT with headset to the Phantom)

DASY4 Configuration:

- Probe: EX3DV4 - SN3590 ; ConvF(8.61, 8.61, 8.61) ; Calibrated: 2010/3/25
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn861 ; Calibrated: 2010/1/22
- Phantom: SAM 12 ; Type: SAM V4.0; Serial: TP 1202
- Measurement SW: DASY4, V4.7 Build 80 ; Postprocessing SW: SEMCAD, V1.8 Build 186

**Mid Channel 661/Area Scan (7x11x1):** Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 0.375 mW/g

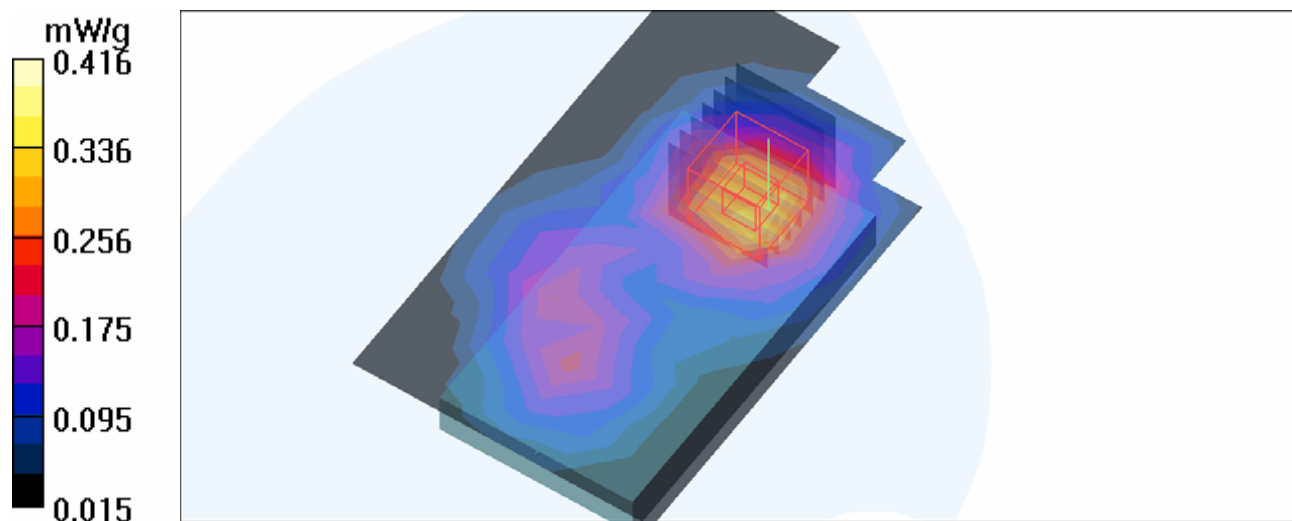
**Mid Channel 661/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 9.83 V/m; Power Drift = -0.085 dB

Peak SAR (extrapolated) = 0.501 W/kg

**SAR(1 g) = 0.317 mW/g; SAR(10 g) = 0.190 mW/g**

Maximum value of SAR (measured) = 0.416 mW/g



Test Laboratory: Bureau Veritas ADT

## M31-Body-E-GPRS1900 TS1-Ch661\_SIM 1 / LCD Up

**DUT: GSM/EGPRS Mobile Phone ; Type: EX128**

Communication System: E-GPRS 1900 ; Frequency: 1880 MHz ; Duty Cycle: 1:8.3  
Medium: MSL1900 Medium parameters used:  $f = 1880$  MHz;  $\sigma = 1.52$  mho/m;  $\epsilon_r = 55$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Phantom section: Flat Section ; DUT test position : Body ; Modulation Type: 8PSK / UL 1 time slot  
Separation Distance : 15 mm ( The front side of the EUT with headset to the Phantom)

DASY4 Configuration:

- Probe: EX3DV4 - SN3590 ; ConvF(8.61, 8.61, 8.61) ; Calibrated: 2010/3/25
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn861 ; Calibrated: 2010/1/22
- Phantom: SAM 12 ; Type: SAM V4.0; Serial: TP 1202
- Measurement SW: DASY4, V4.7 Build 80 ; Postprocessing SW: SEMCAD, V1.8 Build 186

**Mid Channel 661/Area Scan (7x11x1):** Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 0.246 mW/g

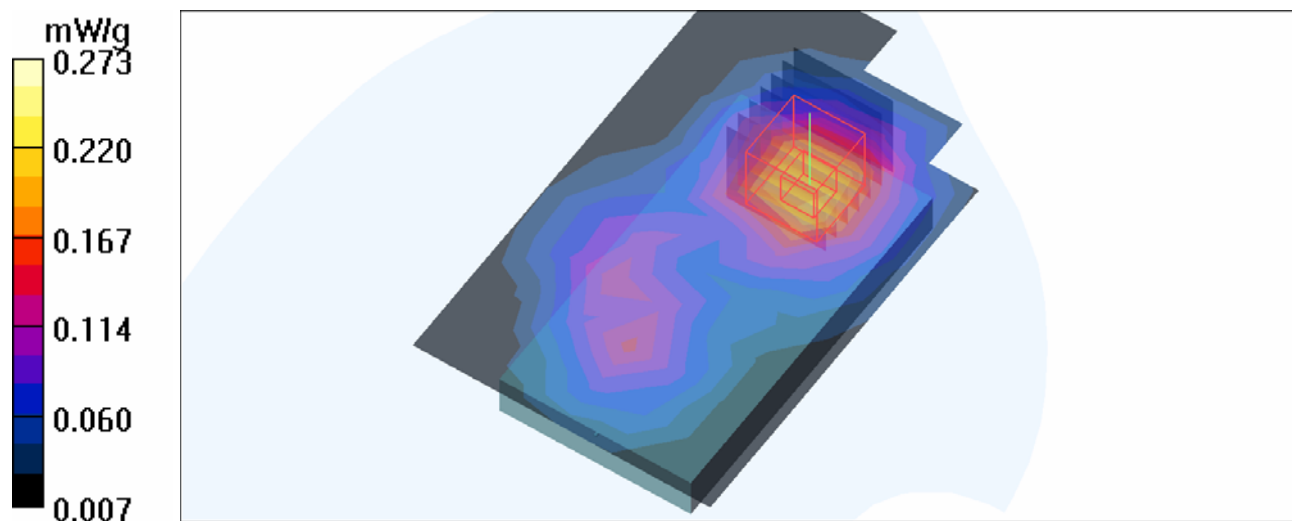
**Mid Channel 661/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 8.11 V/m; Power Drift = -0.050 dB

Peak SAR (extrapolated) = 0.331 W/kg

**SAR(1 g) = 0.209 mW/g; SAR(10 g) = 0.125 mW/g**

Maximum value of SAR (measured) = 0.273 mW/g



Test Laboratory: Bureau Veritas ADT

## M32-Body-GPRS1900 TS2-Ch661\_SIM 2

### DUT: GSM/EGPRS Mobile Phone ; Type: EX128

Communication System: GPRS 1900 ; Frequency: 1880 MHz ; Duty Cycle: 1:4  
Medium: MSL1900 Medium parameters used:  $f = 1880$  MHz;  $\sigma = 1.52$  mho/m;  $\epsilon_r = 55$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Phantom section: Flat Section ; DUT test position : Body ; Modulation Type: GMSK / UL 2 time slots  
Separation Distance : 15 mm ( The bottom side of the EUT with headset to the Phantom)

#### DASY4 Configuration:

- Probe: EX3DV4 - SN3590 ; ConvF(8.61, 8.61, 8.61) ; Calibrated: 2010/3/25
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn861 ; Calibrated: 2010/1/22
- Phantom: SAM 12 ; Type: SAM V4.0; Serial: TP 1202
- Measurement SW: DASY4, V4.7 Build 80 ; Postprocessing SW: SEMCAD, V1.8 Build 186

#### Mid Channel 661/Area Scan (7x11x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 0.629 mW/g

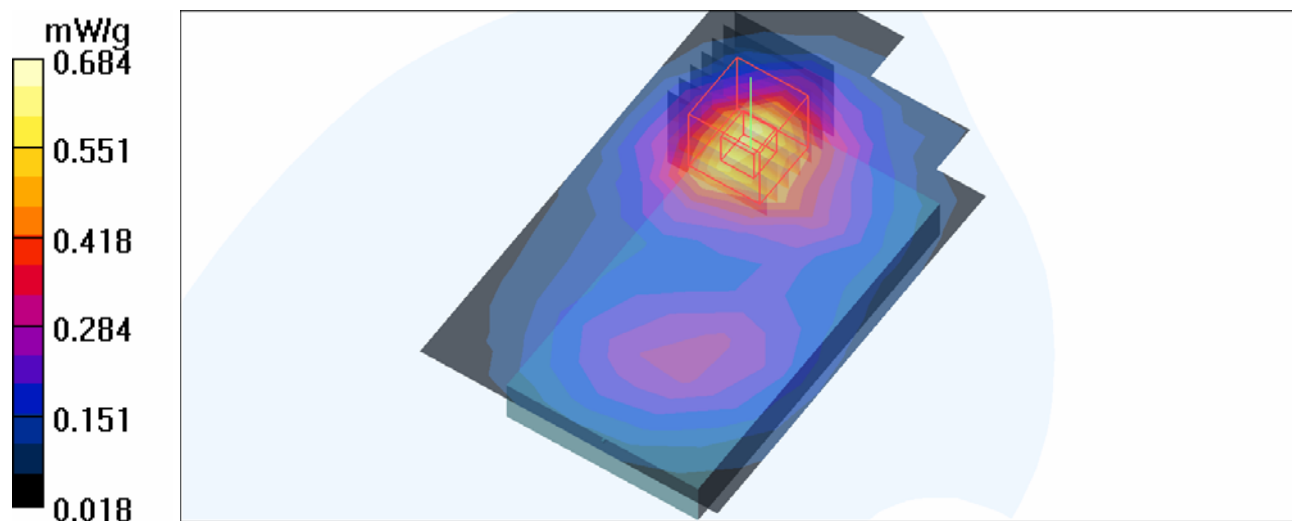
#### Mid Channel 661/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 11.8 V/m; Power Drift = -0.075 dB

Peak SAR (extrapolated) = 0.842 W/kg

**SAR(1 g) = 0.507 mW/g; SAR(10 g) = 0.293 mW/g**

Maximum value of SAR (measured) = 0.684 mW/g



Test Laboratory: Bureau Veritas ADT

**M33-Left Head-Cheek-GSM850-Ch190 / EX122****DUT: GSM/EGPRS Mobile Phone ; Type: EX122**

Communication System: GSM 850 ; Frequency: 836.6 MHz ; Duty Cycle: 1:8.3

Medium: HSL835 Medium parameters used:  $f = 836.6$  MHz;  $\sigma = 0.91$  mho/m;  $\epsilon_r = 42.6$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Left Section ; DUT test position : Cheek ; Modulation type: GMSK

DASY4 Configuration:

- Probe: EX3DV4 - SN3590 ; ConvF(10.25, 10.25, 10.25) ; Calibrated: 2010/3/25
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn861; Calibrated: 2010/1/22
- Phantom: SAM 12; Type: SAM V4.0; Serial: TP 1202
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

**Touch Position - Mid Channel 190/Area Scan (7x11x1):** Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 0.900 mW/g

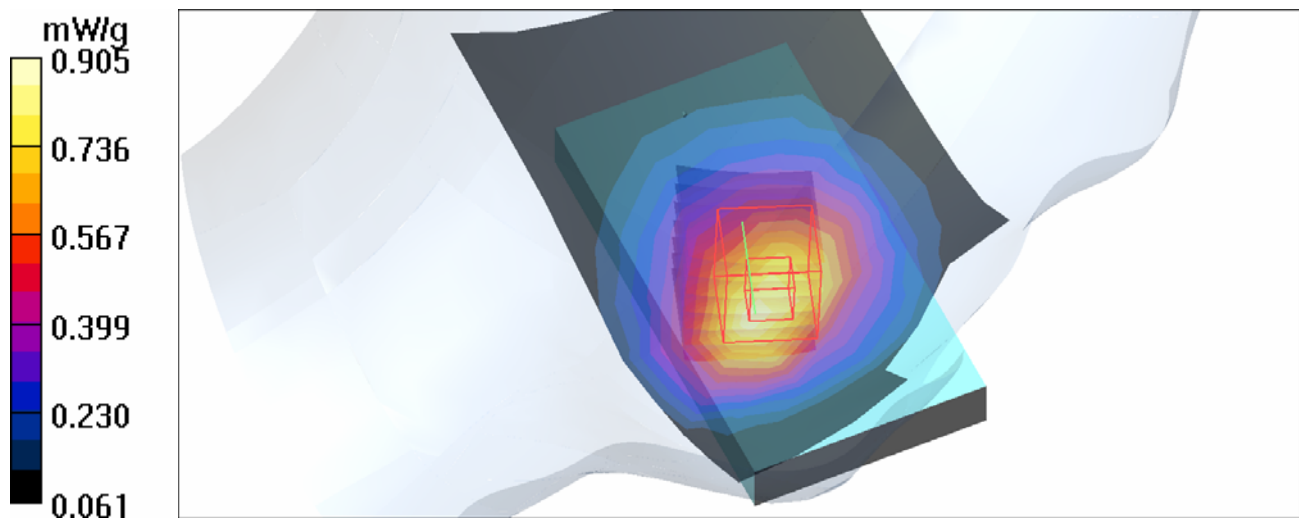
**Touch Position - Mid Channel 190/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 10.4 V/m; Power Drift = 0.011 dB

Peak SAR (extrapolated) = 1.07 W/kg

**SAR(1 g) = 0.739 mW/g; SAR(10 g) = 0.511 mW/g**

Maximum value of SAR (measured) = 0.905 mW/g



Test Laboratory: Bureau Veritas ADT

**M34-Body-GPRS850 TS2-Ch251 / EX122****DUT: GSM/EGPRS Mobile Phone ; Type: EX122**

Communication System: GPRS 850 ; Frequency: 848.8 MHz ; Duty Cycle: 1:4  
Medium: MSL835 Medium parameters used:  $f = 848.8$  MHz;  $\sigma = 0.97$  mho/m;  $\epsilon_r = 55.7$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Phantom section: Flat Section ; DUT test position : Body ; Modulation Type: GMSK / UL 2 time slots  
Separation Distance : 15 mm ( The bottom side of the EUT with headset to the Phantom)

**DASY4 Configuration:**

- Probe: EX3DV4 - SN3590 ; ConvF(10.2, 10.2, 10.2) ; Calibrated: 2010/3/25
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn861 ; Calibrated: 2010/1/22
- Phantom: SAM 12 ; Type: SAM V4.0; Serial: TP 1202
- Measurement SW: DASY4, V4.7 Build 80 ; Postprocessing SW: SEMCAD, V1.8 Build 186

**High Channel 251/Area Scan (7x11x1):** Measurement grid: dx=15mm, dy=15mm

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

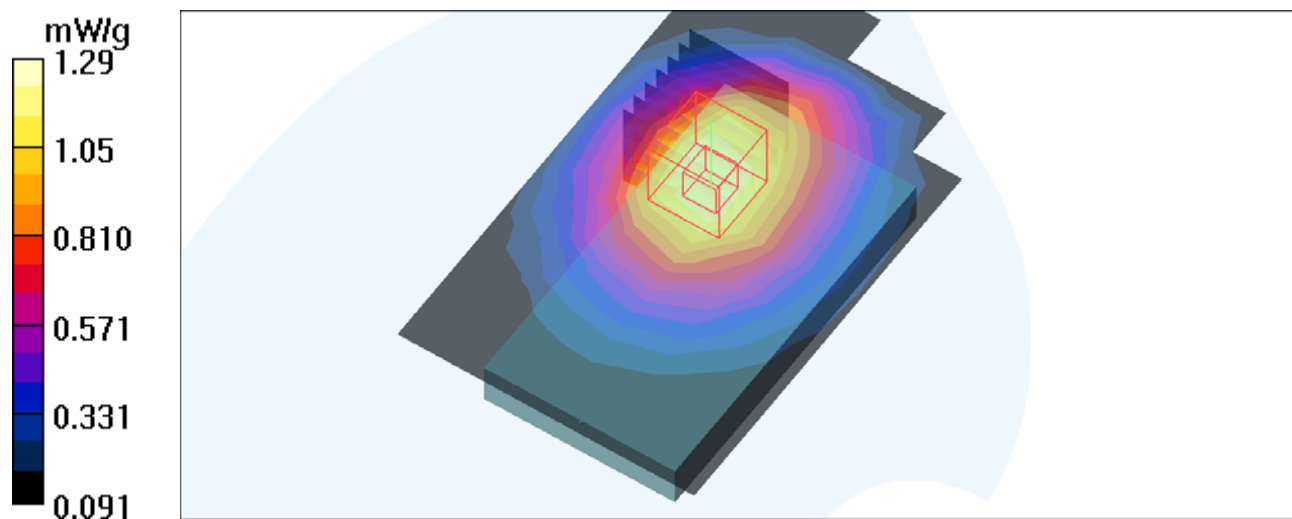
**High Channel 251/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 11.6 V/m; Power Drift = -0.144 dB

Peak SAR (extrapolated) = 1.49 W/kg

**SAR(1 g) = 1.05 mW/g; SAR(10 g) = 0.722 mW/g**

Maximum value of SAR (measured) = 1.29 mW/g



Test Laboratory: Bureau Veritas ADT

### M35-Left Head-Cheek-PCS1900-Ch512 / EX122

**DUT: GSM/EGPRS Mobile Phone ; Type: EX122**

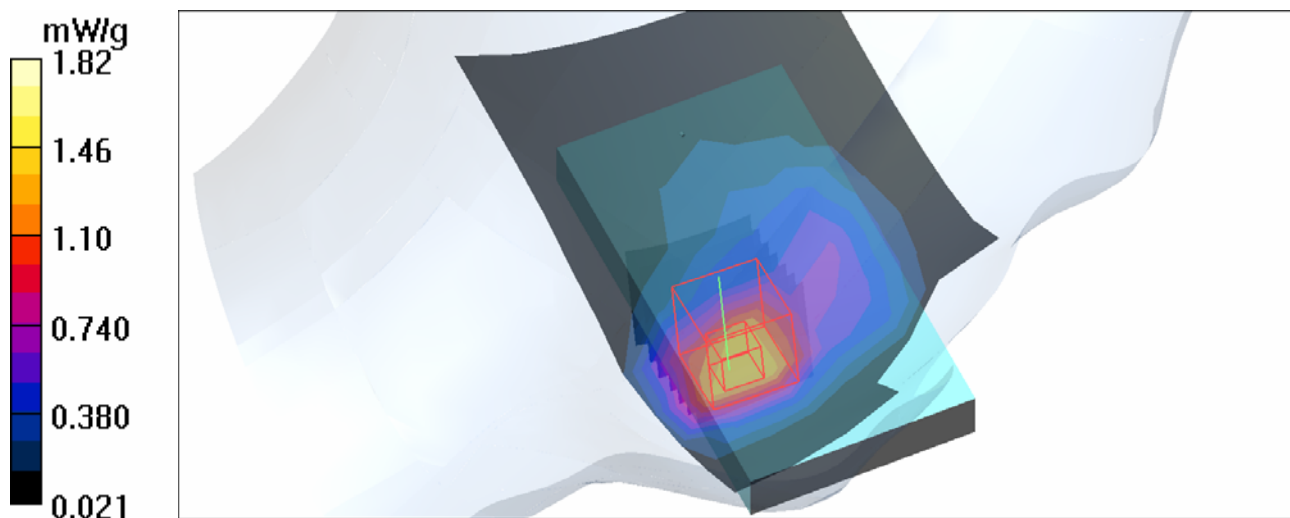
Communication System: PCS 1900 ; Frequency: 1850.2 MHz ; Duty Cycle: 1:8.3  
 Medium: HSL1900 Medium parameters used:  $f = 1850.2$  MHz;  $\sigma = 1.36$  mho/m;  $\epsilon_r = 41.3$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
 Phantom section: Left Section ; DUT test position : Cheek ; Modulation type: GMSK

DASY4 Configuration:

- Probe: EX3DV4 - SN3590 ; ConvF(8.33, 8.33, 8.33) ; Calibrated: 2010/3/25
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn861; Calibrated: 2010/1/22
- Phantom: SAM 12; Type: SAM V4.0; Serial: TP 1202
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

**Touch Position - Low Channel 512/Area Scan (7x11x1):** Measurement grid: dx=15mm, dy=15mm  
 Maximum value of SAR (measured) = 1.34 mW/g

**Touch Position - Low Channel 512/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm  
 Reference Value = 8.05 V/m; Power Drift = 0.087 dB  
 Peak SAR (extrapolated) = 2.23 W/kg  
**SAR(1 g) = 1.34 mW/g; SAR(10 g) = 0.733 mW/g**  
 Maximum value of SAR (measured) = 1.82 mW/g



Test Laboratory: Bureau Veritas ADT

**M36-Body-GPRS1900 TS2-Ch661 / EX122****DUT: GSM/EGPRS Mobile Phone ; Type: EX122**

Communication System: GPRS 1900 ; Frequency: 1880 MHz ; Duty Cycle: 1:4

Medium: MSL1900 Medium parameters used:  $f = 1880$  MHz;  $\sigma = 1.52$  mho/m;  $\epsilon_r = 55$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section ; DUT test position : Body ; Modulation Type: GMSK / UL 2 time slots

Separation Distance : 15 mm ( The bottom side of the EUT with headset to the Phantom)

DASY4 Configuration:

- Probe: EX3DV4 - SN3590 ; ConvF(8.61, 8.61, 8.61) ; Calibrated: 2010/3/25

- Sensor-Surface: 2mm (Mechanical Surface Detection)

- Electronics: DAE4 Sn861 ; Calibrated: 2010/1/22

- Phantom: SAM 12 ; Type: SAM V4.0; Serial: TP 1202

- Measurement SW: DASY4, V4.7 Build 80 ; Postprocessing SW: SEMCAD, V1.8 Build 186

**Mid Channel 661/Area Scan (7x11x1):** Measurement grid: dx=15mm, dy=15mm

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

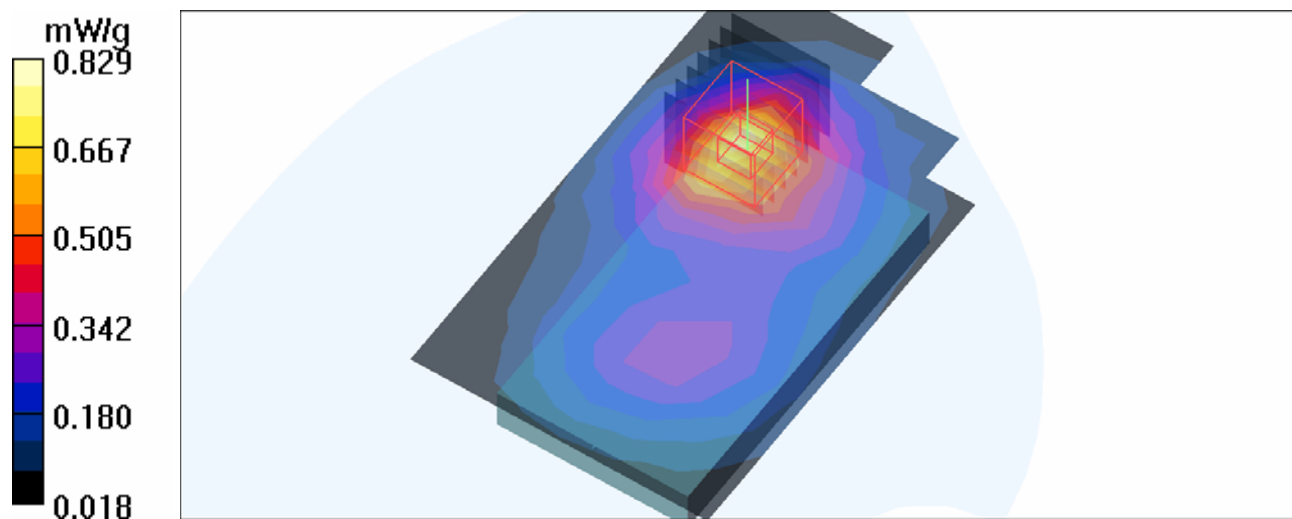
**Mid Channel 661/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 11.2 V/m; Power Drift = 0.018 dB

Peak SAR (extrapolated) = 1.03 W/kg

**SAR(1 g) = 0.605 mW/g; SAR(10 g) = 0.346 mW/g**

Maximum value of SAR (measured) = 0.829 mW/g



Test Laboratory: Bureau Veritas ADT

## System Validation Check-HSL 835MHz

**DUT: Dipole 850 MHz ; Type: D835V2 ; Serial: 4d021 ; Test Frequency: 835 MHz**

Communication System: CW ; Frequency: 835 MHz; Duty Cycle: 1:1; Modulation type: CW  
 Medium: HSL835;Medium parameters used:  $f = 835 \text{ MHz}$ ;  $\sigma = 0.91 \text{ mho/m}$ ;  $\epsilon_r = 42.6$ ;  $\rho = 1000 \text{ kg/m}^3$  ;  
 Liquid level : 150 mm  
 Phantom section: Flat Section ; Separation distance : 15 mm (The feetpoint of the dipole to the Phantom)  
 Air temp. : 23.0 degrees ; Liquid temp. : 21.9 degrees

DASY4 Configuration:

- Probe: EX3DV4 - SN3590 ; ConvF(10.25, 10.25, 10.25) ; Calibrated: 2010/3/25
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn861; Calibrated: 2010/1/22
- Phantom: SAM 12; Type: SAM V4.0; Serial: TP 1202
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

**d=15mm, Pin=250mW/Area Scan (7x9x1):** Measurement grid: dx=15mm, dy=15mm  
 Maximum value of SAR (measured) = 2.34 mW/g

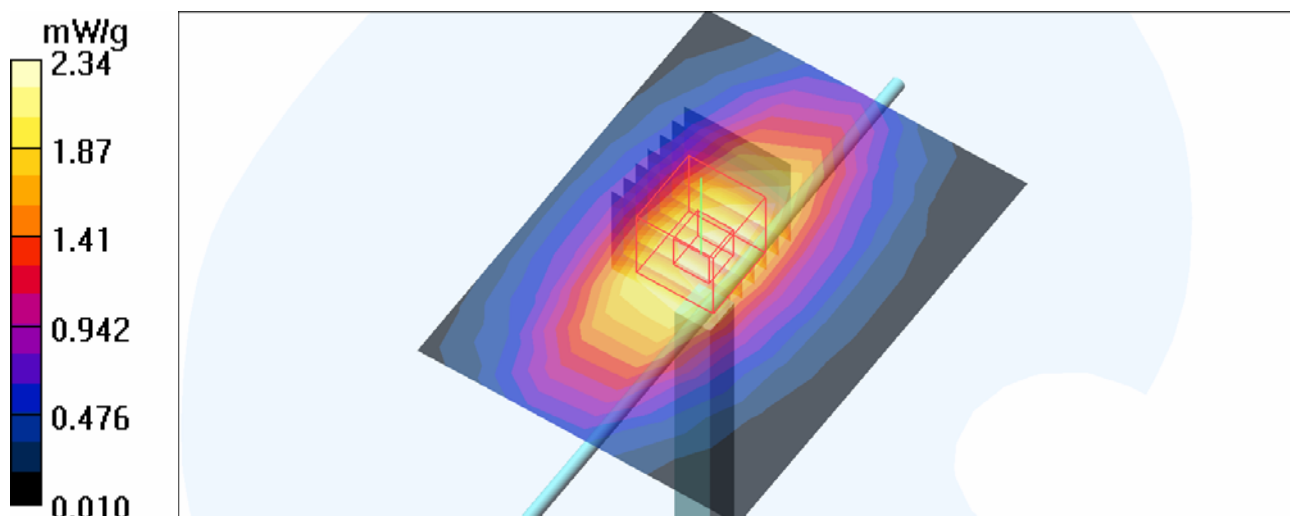
**d=15mm, Pin=250mW/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 55.7 V/m; Power Drift = -0.084 dB

Peak SAR (extrapolated) = 3.48 W/kg

**SAR(1 g) = 2.28 mW/g; SAR(10 g) = 1.48 mW/g**

Maximum value of SAR (measured) = 2.68 mW/g



Test Laboratory: Bureau Veritas ADT

## System Validation Check-MSL 835MHz

**DUT: Dipole 850 MHz ; Type: D835V2 ; Serial: 4d021 ; Test Frequency: 835 MHz**

Communication System: CW ; Frequency: 835 MHz; Duty Cycle: 1:1; Modulation type: CW  
Medium: MSL835; Medium parameters used:  $f = 835$  MHz;  $\sigma = 0.96$  mho/m;  $\epsilon_r = 55.8$ ;  $\rho = 1000$  kg/m<sup>3</sup> ;  
Liquid level : 150 mm  
Phantom section: Flat Section ; Separation distance : 15 mm (The feetpoint of the dipole to the Phantom)  
Air temp. : 22.9 degrees ; Liquid temp. : 21.7 degrees

DASY4 Configuration:

- Probe: EX3DV4 - SN3590 ; ConvF(10.2, 10.2, 10.2) ; Calibrated: 2010/3/25
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn861; Calibrated: 2010/1/22
- Phantom: SAM 12; Type: SAM V4.0; Serial: TP 1202
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

**d=15mm, Pin=250mW/Area Scan (7x9x1):** Measurement grid: dx=15mm, dy=15mm  
Maximum value of SAR (measured) = 2.42 mW/g

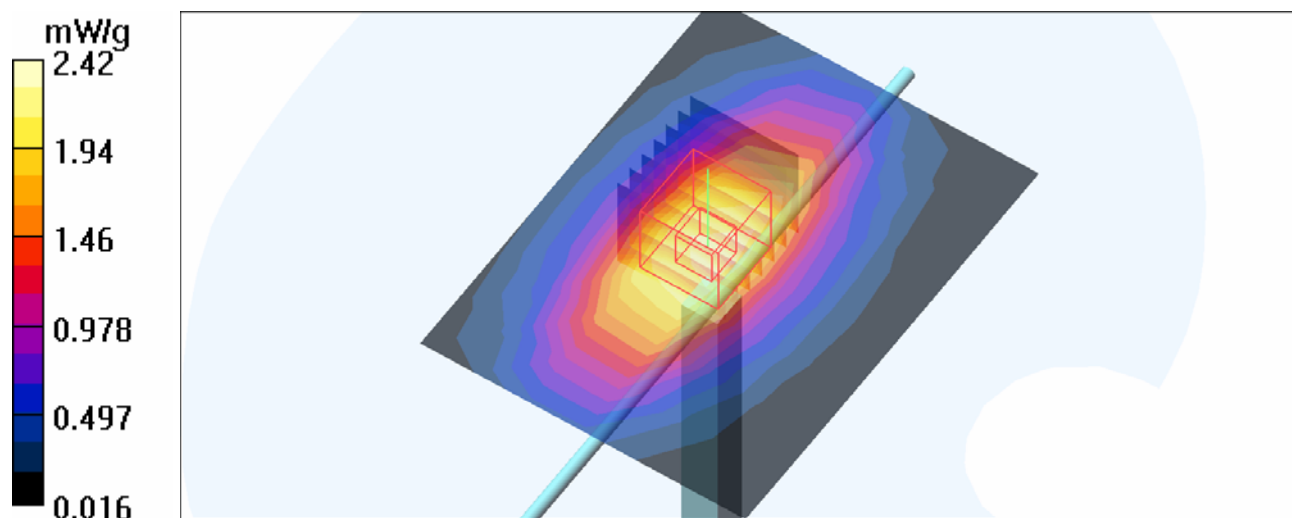
**d=15mm, Pin=250mW/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 55.3 V/m; Power Drift = -0.074 dB

Peak SAR (extrapolated) = 3.58 W/kg

**SAR(1 g) = 2.39 mW/g; SAR(10 g) = 1.55 mW/g**

Maximum value of SAR (measured) = 2.80 mW/g



Test Laboratory: Bureau Veritas ADT

## System Validation Check-HSL 1900MHz

**DUT: Dipole 1900 MHz ; Type: D1900V2 ; Serial: 5d036 ; Test Frequency: 1900 MHz**

Communication System: CW ; Frequency: 1900 MHz; Duty Cycle: 1:1; Modulation type: CW  
 Medium: HSL1900; Medium parameters used:  $f = 1900$  MHz;  $\sigma = 1.41$  mho/m;  $\epsilon_r = 41$ ;  $\rho = 1000$  kg/m<sup>3</sup> ;  
 Liquid level : 150 mm  
 Phantom section: Flat Section ; Separation distance : 10 mm (The feetpoint of the dipole to the Phantom)  
 Air temp. : 23.6 degrees ; Liquid temp. : 22.5 degrees

DASY4 Configuration:

- Probe: EX3DV4 - SN3590 ; ConvF(8.33, 8.33, 8.33) ; Calibrated: 2010/3/25
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn861; Calibrated: 2010/1/22
- Phantom: SAM 12; Type: SAM V4.0; Serial: TP 1202
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

**d=10mm, Pin=250mW/Area Scan (7x7x1):** Measurement grid: dx=15mm, dy=15mm  
 Maximum value of SAR (measured) = 12.4 mW/g

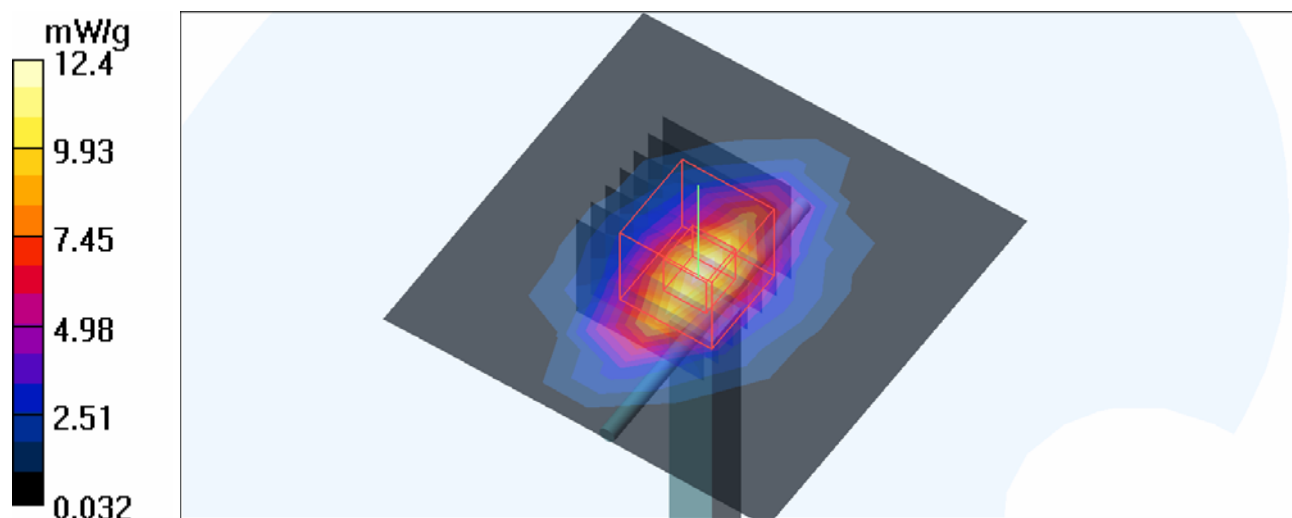
**d=10mm, Pin=250mW/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 96.2 V/m; Power Drift = -0.082 dB

Peak SAR (extrapolated) = 19.5 W/kg

**SAR(1 g) = 9.93 mW/g; SAR(10 g) = 5.16 mW/g**

Maximum value of SAR (measured) = 12.5 mW/g



Test Laboratory: Bureau Veritas ADT

## System Validation Check-MSL 1900MHz

**DUT: Dipole 1900 MHz ; Type: D1900V2 ; Serial: 5d036 ; Test Frequency: 1900 MHz**

Communication System: CW ; Frequency: 1900 MHz; Duty Cycle: 1:1; Modulation type: CW  
 Medium: MSL1900; Medium parameters used:  $f = 1900$  MHz;  $\sigma = 1.53$  mho/m;  $\epsilon_r = 54.8$ ;  $\rho = 1000$  kg/m<sup>3</sup> ; Liquid level : 150 mm  
 Phantom section: Flat Section ; Separation distance : 10 mm (The feetpoint of the dipole to the Phantom) Air temp. : 23.1 degrees ; Liquid temp. : 22.3 degrees

DASY4 Configuration:

- Probe: EX3DV4 - SN3590 ; ConvF(8.61, 8.61, 8.61) ; Calibrated: 2010/3/25
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn861; Calibrated: 2010/1/22
- Phantom: SAM 12; Type: SAM V4.0; Serial: TP 1202
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

**d=10mm, Pin=250mW/Area Scan (7x7x1):** Measurement grid: dx=15mm, dy=15mm  
 Maximum value of SAR (measured) = 11.6 mW/g

**d=10mm, Pin=250mW/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 95.3 V/m; Power Drift = -0.060 dB

Peak SAR (extrapolated) = 18.7 W/kg

**SAR(1 g) = 9.86 mW/g; SAR(10 g) = 5.15 mW/g**

Maximum value of SAR (measured) = 12.6 mW/g

