



2.6.1 General description of test procedures

The DUT is tested using a CMU 200 communications tester as controller unit to set test channels and maximum output power to the DUT, as well as for measuring the conducted peak power.

Test positions as described in the tables above are in accordance with the specified test standard.

Tests in body position are performed with the maximum number of timeslots in uplink.

Tests in head position are performed in voice mode with 1 timeslot unless GPRS/EGPRS function allows parallel voice and data traffic on 2 or more timeslots (see chapter 1.5 for details).

Conducted output power was measured using an integrated RF connector and attached RF cable.

Annex 1 System performance verification

Date/Time: 2010-03-10 21:32:21

SystemPerformanceCheck-D835 head

DUT: Dipole 835 MHz; Type: D835V2; Serial: D835V2 - SN:4d059

Communication System: CW; Frequency: 835 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 835 \text{ MHz}$; $\sigma = 0.925 \text{ mho/m}$; $\epsilon_r = 41.4$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

DASY5 Configuration:

- Probe: ES3DV3 - SN3168; ConvF(6.06, 6.06, 6.06); Calibrated: 12/18/2009

- Sensor-Surface: 4mm (Mechanical Surface Detection)

- Electronics: DAE4 Sn851; Calibrated: 5/14/2009

- Phantom: SAM1; Type: SAM; Serial: TP-1475

- Measurement SW: DASY5, V5.0 Build 125; SEMCAD X Version 13.4 Build 125

d=15mm, Pin=250mW/Area Scan (6x12x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 2.46 mW/g

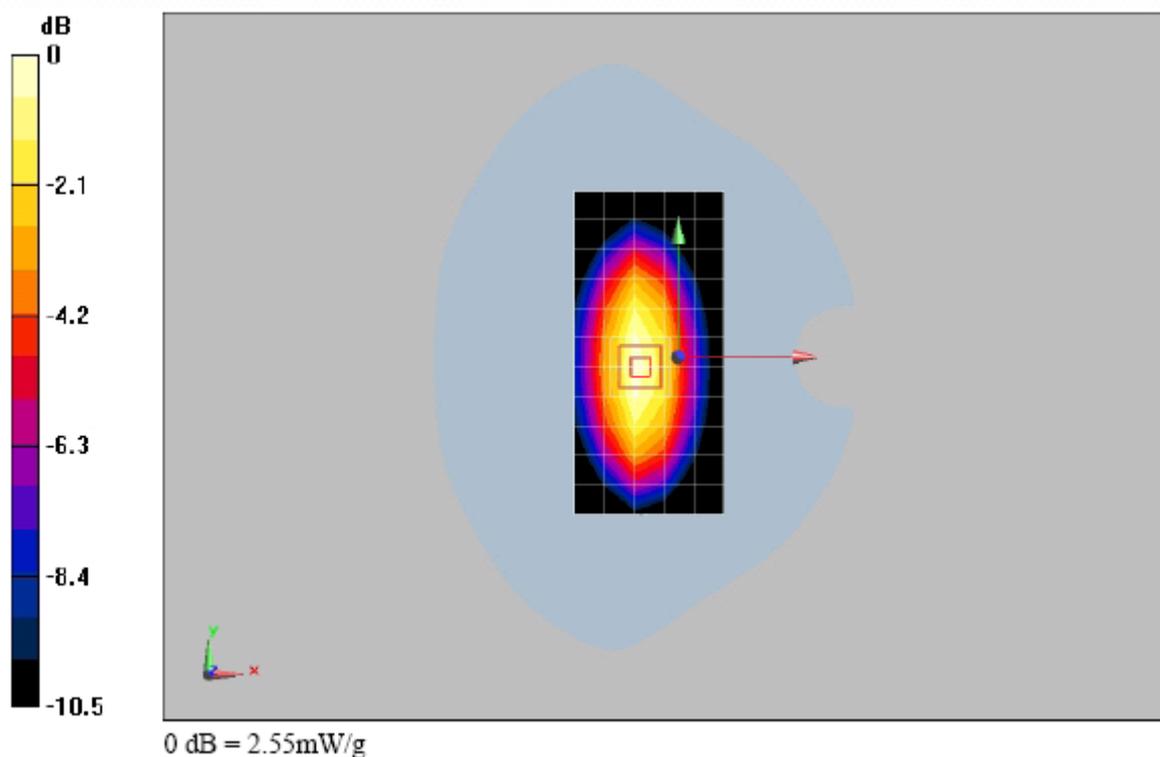
d=15mm, Pin=250mW/Zoom Scan (7x7x7) (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 52.5 V/m; Power Drift = 0.074 dB

Peak SAR (extrapolated) = 3.44 W/kg

SAR(1 g) = 2.35 mW/g; SAR(10 g) = 1.54 mW/g

Maximum value of SAR (measured) = 2.55 mW/g



Additional information:

position or distance of DUT to SAM (if not standard head positions) :

ambient temperature: 22.0°C; liquid temperature: 21.5°C

System Performance Check-D835 body

DUT: Dipole 835 MHz; Type: D835V2; Serial: D835V2 - SN:4d059

Communication System: CW; Frequency: 835 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 835$ MHz; $\sigma = 0.967$ mho/m; $\epsilon_r = 54.2$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY5 Configuration:

- Probe: ES3DV3 - SN3168; ConvF(5.97, 5.97, 5.97); Calibrated: 12/18/2009

- Sensor-Surface: 4mm (Mechanical Surface Detection)

- Electronics: DAE4 Sn851; Calibrated: 5/14/2009

- Phantom: SAM2; Type: SAM; Serial: TP-1474

- Measurement SW: DASY5, V5.0 Build 125; SEMCAD X Version 13.4 Build 125

d=15mm, Pin=250mW/Area Scan (6x12x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 2.42 mW/g

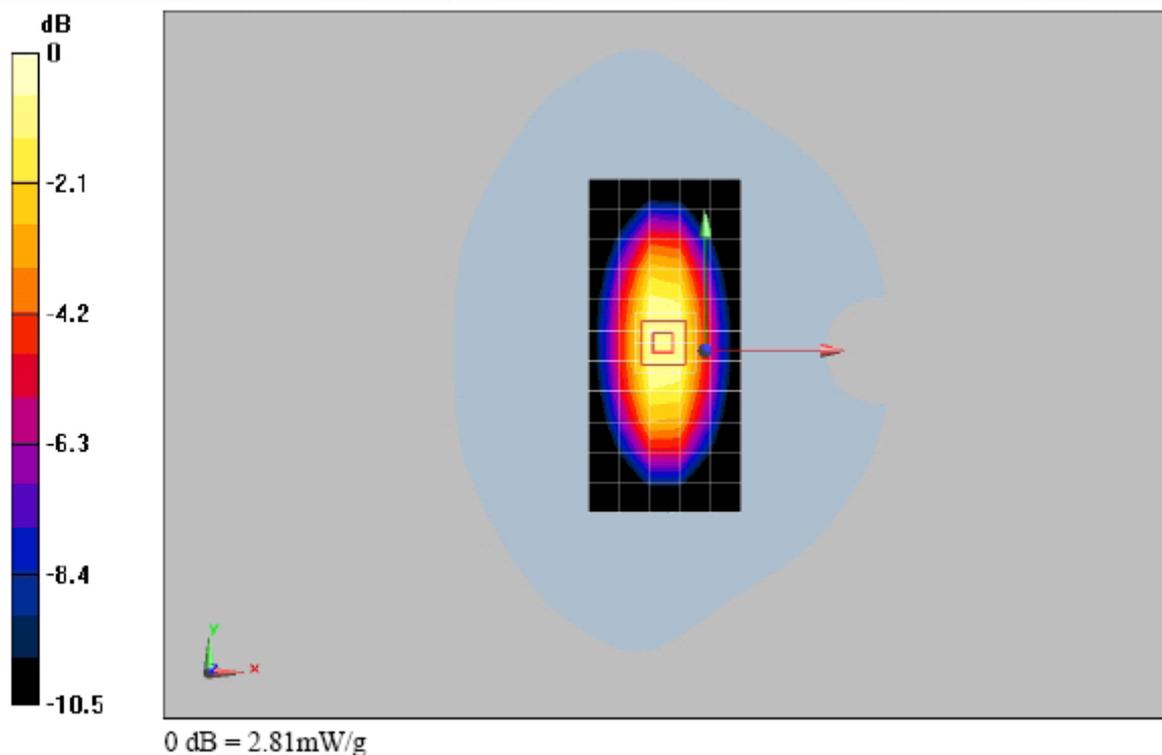
d=15mm, Pin=250mW/Zoom Scan (7x7x7) (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 54 V/m; Power Drift = 0.082 dB

Peak SAR (extrapolated) = 3.79 W/kg

SAR(1 g) = 2.6 mW/g; SAR(10 g) = 1.7 mW/g

Maximum value of SAR (measured) = 2.81 mW/g



Additional information:

position or distance of DUT to SAM (if not standard head positions) :

ambient temperature: 22.0°C; liquid temperature: 21.5°C

SystemPerformanceCheck-D1900 head

DUT: Dipole 1900 MHz; Type: D1900V2; Serial: D1900V2 - SN: 5d091

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

Medium parameters used: $f = 1900$ MHz; $\sigma = 1.37$ mho/m; $\epsilon_r = 39.7$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY5 Configuration:

- Probe: ES3DV3 - SN3168; ConvF(4.99, 4.99, 4.99); Calibrated: 12/18/2009

- Sensor-Surface: 4mm (Mechanical Surface Detection)

- Electronics: DAE4 Sn851; Calibrated: 5/14/2009

- Phantom: SAM2; Type: SAM; Serial: TP-1474

- Measurement SW: DASY5, V5.0 Build 125; SEMCAD X Version 13.4 Build 125

d=10mm, Pin=250mW/Area Scan (5x8x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 8.9 mW/g

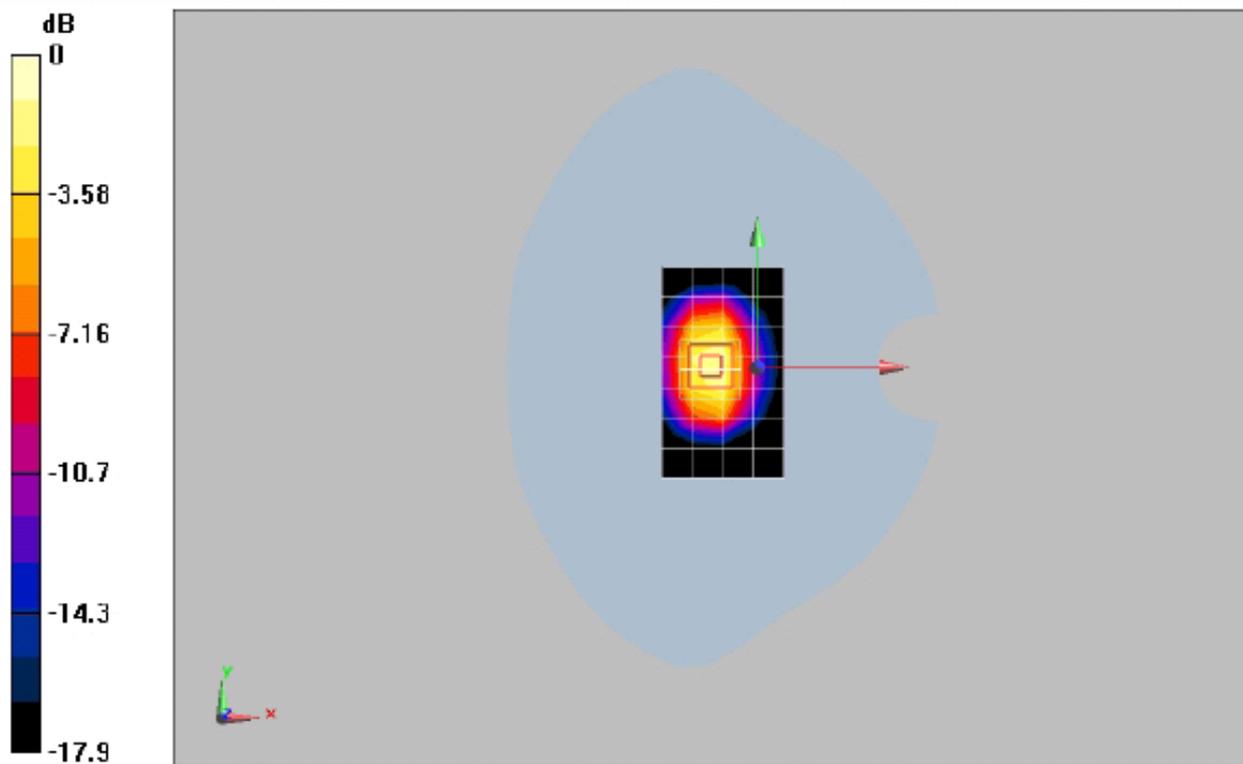
d=10mm, Pin=250mW/Zoom Scan (7x7x7) (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 83.3 V/m; Power Drift = 0.149 dB

Peak SAR (extrapolated) = 19 W/kg

SAR(1 g) = 10.1 mW/g; SAR(10 g) = 5.21 mW/g

Maximum value of SAR (measured) = 11.4 mW/g



0 dB = 11.4mW/g

Additional information:

position or distance of DUT to SAM (if not standard head positions) :

ambient temperature: 22.0°C; liquid temperature: 21.3°C

SystemPerformanceCheck-D1900 body

DUT: Dipole 1900 MHz; Type: D1900V2; Serial: D1900V2 - SN: 5d091

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

Medium parameters used: $f = 1900$ MHz; $\sigma = 1.49$ mho/m; $\epsilon_r = 53.2$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY5 Configuration:

- Probe: ES3DV3 - SN3168; ConvF(4.62, 4.62, 4.62); Calibrated: 12/18/2009

- Sensor-Surface: 4mm (Mechanical Surface Detection)

- Electronics: DAE4 Sn851; Calibrated: 5/14/2009

- Phantom: SAM1; Type: SAM; Serial: TP-1475

- Measurement SW: DASY5, V5.0 Build 125; SEMCAD X Version 13.4 Build 125

d=10mm, Pin=250mW/Area Scan (5x8x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 11 mW/g

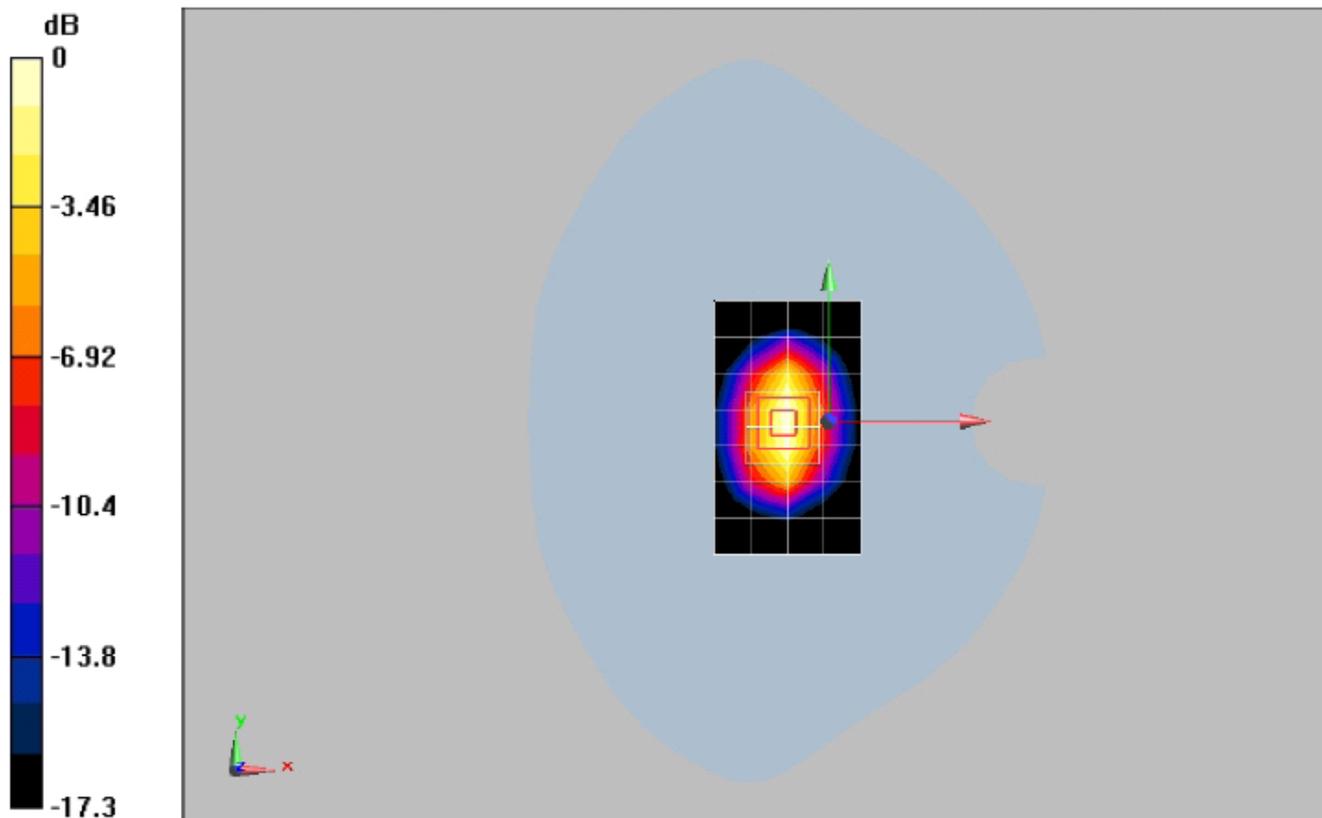
d=10mm, Pin=250mW/Zoom Scan (7x7x7) (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 89.7 V/m; Power Drift = 0.044 dB

Peak SAR (extrapolated) = 18.5 W/kg

SAR(1 g) = 10.2 mW/g; SAR(10 g) = 5.28 mW/g

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



0 dB = 11.5mW/g

Additional information:

position or distance of DUT to SAM (if not standard head positions) :

ambient temperature: 22.0°C; liquid temperature: 21.3°C

SystemPerformanceCheck-D1800 head

DUT: Dipole 1800 MHz; Type: D1800V2; Serial: D1800V2 - SN:2d157

Communication System: CW; Frequency: 1800 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 1800$ MHz; $\sigma = 1.38$ mho/m; $\epsilon_r = 39.9$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY5 Configuration:

- Probe: ES3DV3 - SN3168; ConvF(5.06, 5.06, 5.06); Calibrated: 12/18/2009

- Sensor-Surface: 4mm (Mechanical Surface Detection)

- Electronics: DAE4 Sn851; Calibrated: 5/14/2009

- Phantom: SAM1; Type: SAM; Serial: TP-1475

- Measurement SW: DASY5, V5.0 Build 125; SEMCAD X Version 13.4 Build 125

d=10mm, Pin=250mW/Area Scan (5x8x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 10 mW/g

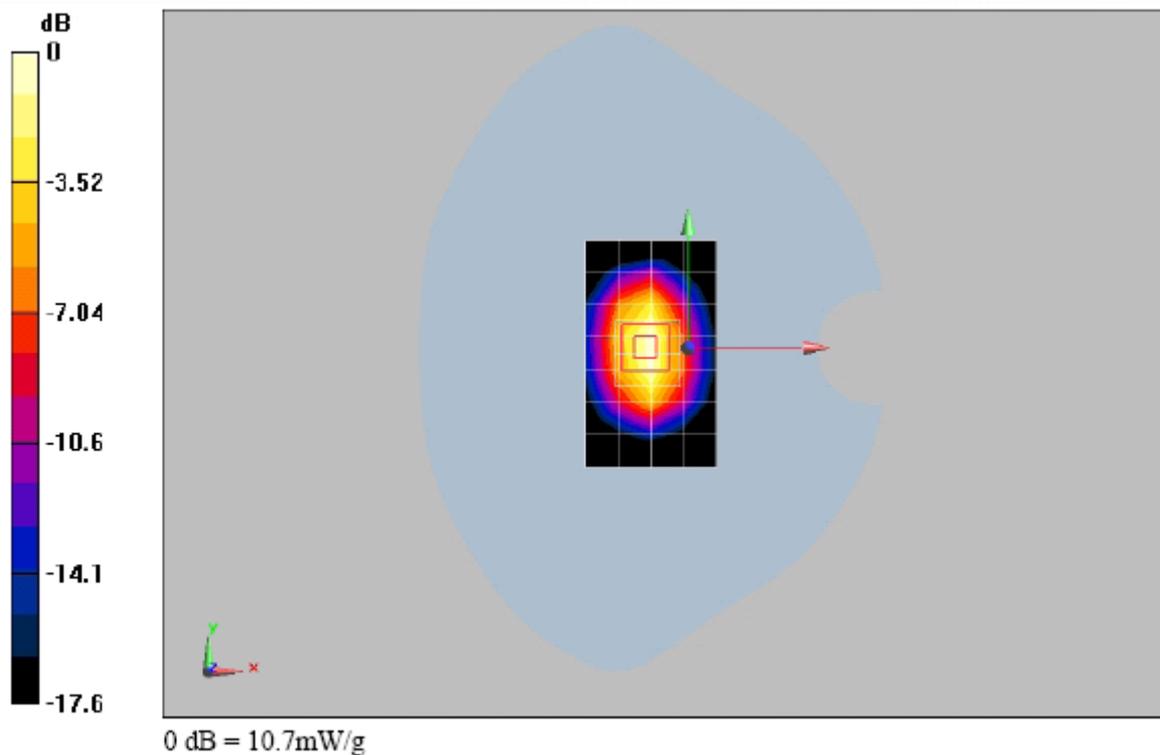
d=10mm, Pin=250mW/Zoom Scan (7x7x7) (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 89.2 V/m; Power Drift = 0.035 dB

Peak SAR (extrapolated) = 17.7 W/kg

SAR(1 g) = 9.57 mW/g; SAR(10 g) = 4.98 mW/g

Maximum value of SAR (measured) = 10.7 mW/g



Additional information:

position or distance of DUT to SAM (if not standard head positions) :

ambient temperature: 22.0°C; liquid temperature: 21.4°C

SystemPerformanceCheck-D1800 body

DUT: Dipole 1800 MHz; Type: D1800V2; Serial: D1800V2 - SN:2d157

Communication System: CW; Frequency: 1800 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 1800$ MHz; $\sigma = 1.53$ mho/m; $\epsilon_r = 53.3$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY5 Configuration:

- Probe: ES3DV3 - SN3168; ConvF(4.88, 4.88, 4.88); Calibrated: 12/18/2009

- Sensor-Surface: 4mm (Mechanical Surface Detection)

- Electronics: DAE4 Sn851; Calibrated: 5/14/2009

- Phantom: SAM2; Type: SAM; Serial: TP-1474

- Measurement SW: DASY5, V5.0 Build 125; SEMCAD X Version 13.4 Build 125

d=10mm, Pin=250mW/Area Scan (5x8x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 8.49 mW/g

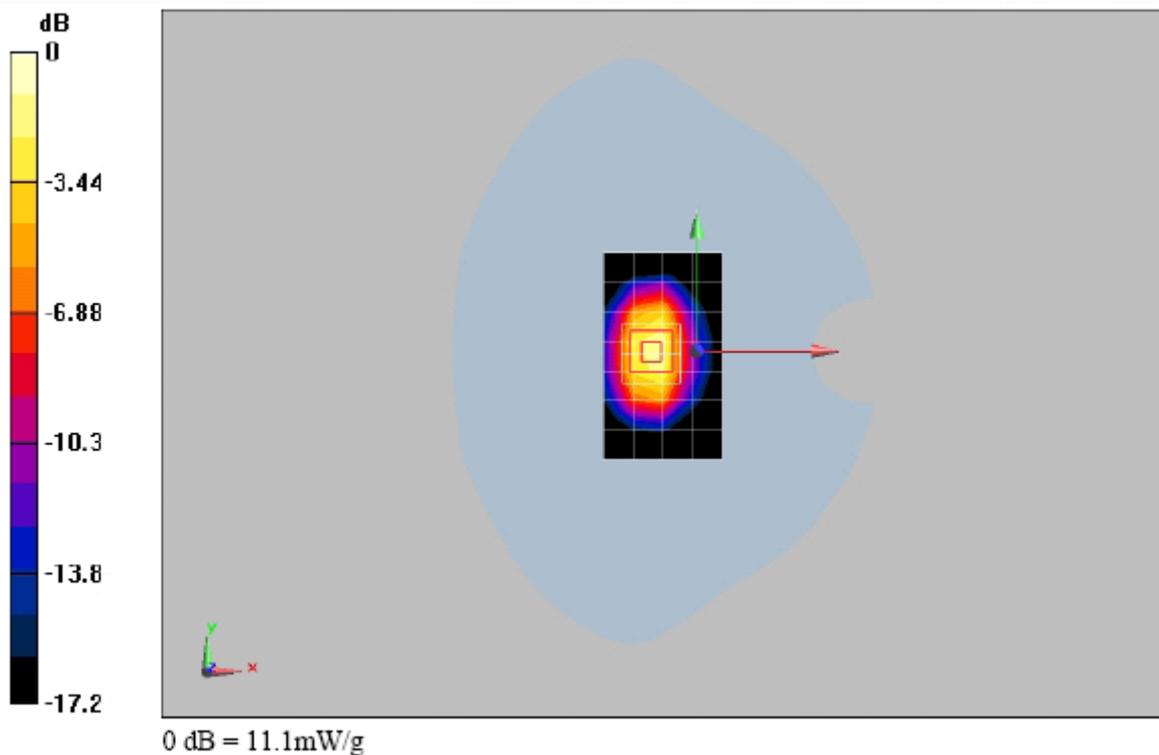
d=10mm, Pin=250mW/Zoom Scan (7x7x7) (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 77.9 V/m; Power Drift = 0.094 dB

Peak SAR (extrapolated) = 17.9 W/kg

SAR(1 g) = 9.76 mW/g; SAR(10 g) = 5.05 mW/g

Maximum value of SAR (measured) = 11.1 mW/g



Additional information:

position or distance of DUT to SAM (if not standard head positions) :

ambient temperature: 22.0°C; liquid temperature: 21.4°C

Annex 2 Measurement results (printout from DASY TM)**Remark: results of conducted power measurements: see chapter 2.5/2.6 (if applicable)****Annex 2.1 GSM 850 MHz head**

Date/Time: 2010-03-10 22:43:32

P1528_OET65_EN62209-LeftHandSide touched-GSM850**DUT: U1250-9**

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

Medium parameters used (interpolated): $f = 836.6$ MHz; $\sigma = 0.926$ mho/m; $\epsilon_r = 41.4$; $\rho = 1000$ kg/m³

Phantom section: Left Section

DASY5 Configuration:

- Probe: ES3DV3 - SN3168; ConvF(6.06, 6.06, 6.06); Calibrated: 12/18/2009
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn851; Calibrated: 5/14/2009
- Phantom: SAM1; Type: SAM; Serial: TP-1475
- Measurement SW: DASY5, V5.0 Build 125; SEMCAD X Version 13.4 Build 125

head/Area Scan (6x10x1): Measurement grid: dx=15mm, dy=15mm[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (measured) = 0.777 mW/g

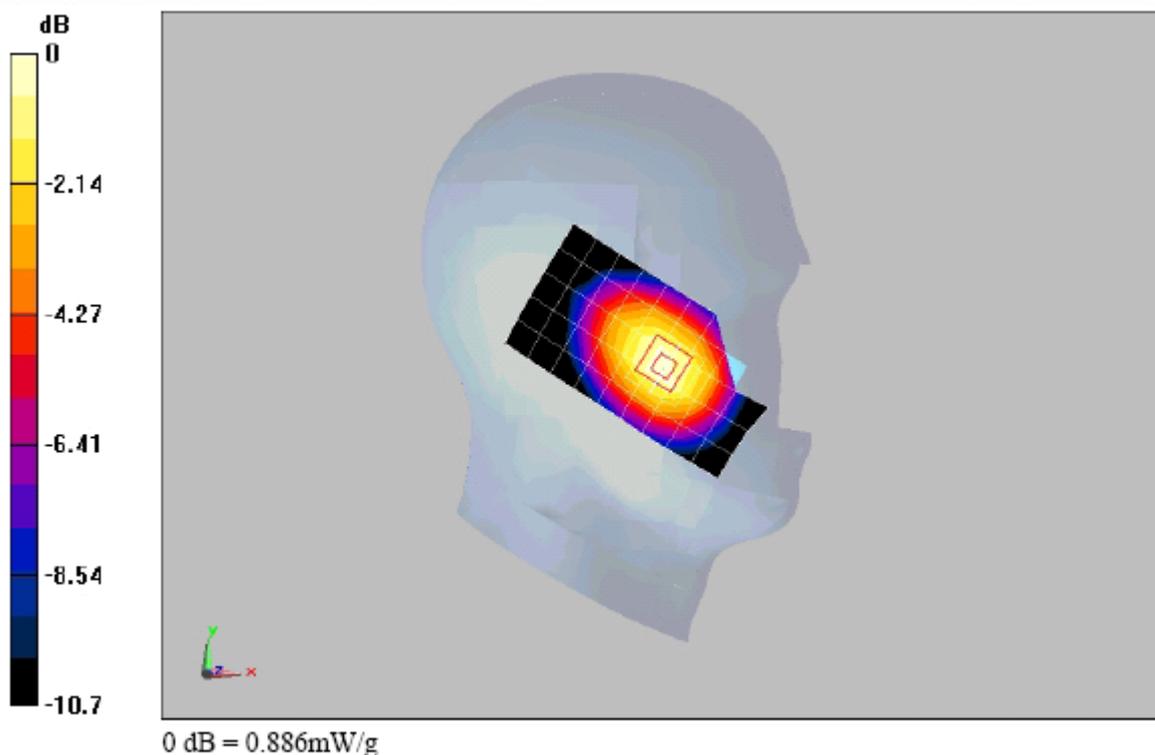
head/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 11.2 V/m; Power Drift = -0.155 dB

Peak SAR (extrapolated) = 1.13 W/kg

SAR(1 g) = 0.822 mW/g; SAR(10 g) = 0.568 mW/g[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (measured) = 0.886 mW/g

**Additional information:**

position or distance of DUT to SAM (if not standard head positions) :

ambient temperature: 22.0°C; liquid temperature: 21.5°C

P1528_OET65_EN62209-LeftHandSide tilted 15° - GSM850**DUT: U1250-9**

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

Medium parameters used (interpolated): $f = 836.6$ MHz; $\sigma = 0.926$ mho/m; $\epsilon_r = 41.4$; $\rho = 1000$ kg/m³

Phantom section: Left Section

DASY5 Configuration:

- Probe: ES3DV3 - SN3168; ConvF(6.06, 6.06, 6.06); Calibrated: 12/18/2009
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn851; Calibrated: 5/14/2009
- Phantom: SAM1; Type: SAM; Serial: TP-1475
- Measurement SW: DASY5, V5.0 Build 125; SEMCAD X Version 13.4 Build 125

head/Area Scan (6x10x1): Measurement grid: dx=15mm, dy=15mm[Info: Interpolated medium parameters used for SAR evaluation.](#)

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

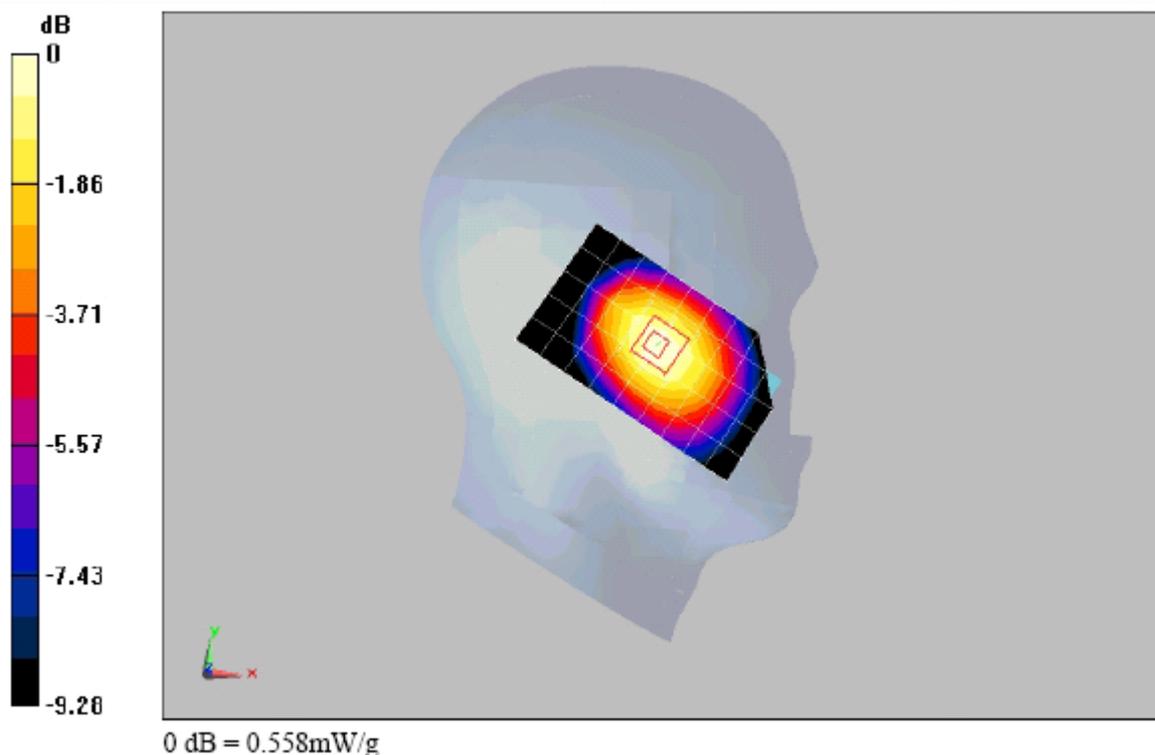
head/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 16.7 V/m; Power Drift = 0.045 dB

Peak SAR (extrapolated) = 0.663 W/kg

SAR(1 g) = 0.524 mW/g; SAR(10 g) = 0.383 mW/g[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (measured) = 0.558 mW/g

**Additional information:**

position or distance of DUT to SAM (if not standard head positions) :

ambient temperature: 22.0°C; liquid temperature: 21.5°C

P1528_OET65_EN62209-RightHandSide touched-GSM850

DUT: U1250-9

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

Medium parameters used (interpolated): $f = 836.6$ MHz; $\sigma = 0.926$ mho/m; $\epsilon_r = 41.4$; $\rho = 1000$ kg/m³

Phantom section: Right Section

DASY5 Configuration:

- Probe: ES3DV3 - SN3168; ConvF(6.06, 6.06, 6.06); Calibrated: 12/18/2009
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn851; Calibrated: 5/14/2009
- Phantom: SAM1; Type: SAM; Serial: TP-1475
- Measurement SW: DASY5, V5.0 Build 125; SEMCAD X Version 13.4 Build 125

head/Area Scan (6x10x1): Measurement grid: dx=15mm, dy=15mm

[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (measured) = 0.844 mW/g

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

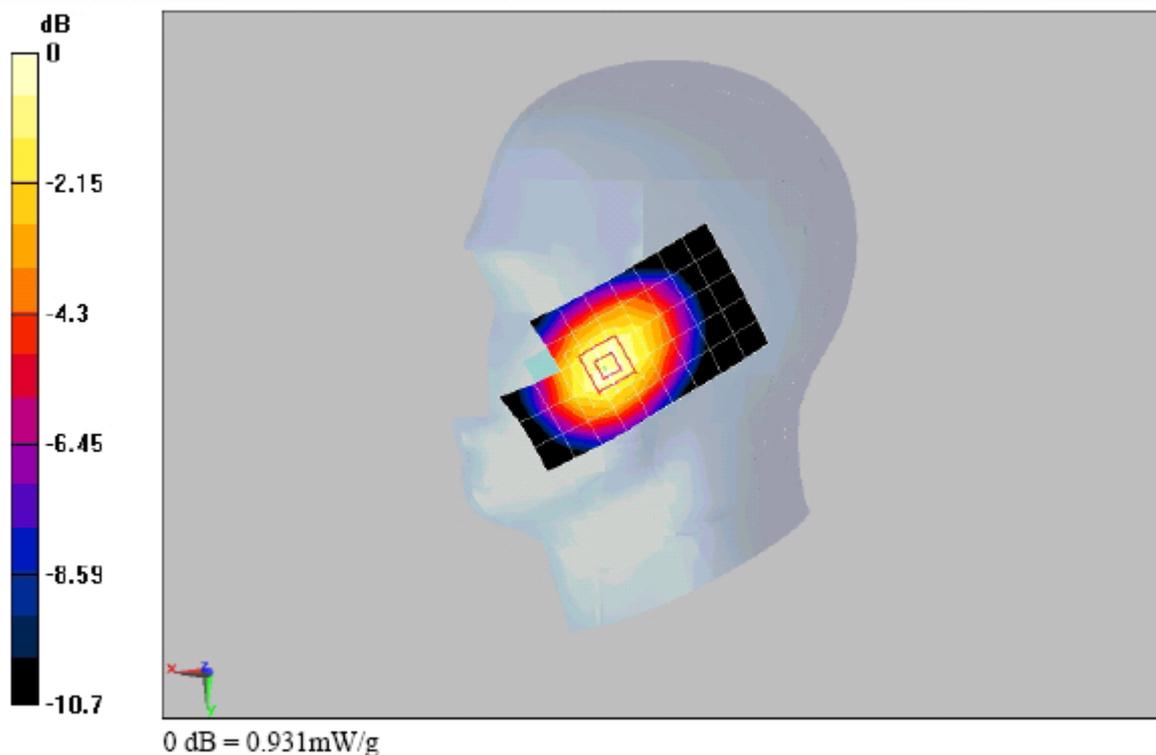
Reference Value = 9.94 V/m; Power Drift = 0.067 dB

Peak SAR (extrapolated) = 1.17 W/kg

SAR(1 g) = 0.870 mW/g; SAR(10 g) = 0.602 mW/g

[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (measured) = 0.931 mW/g



Additional information:

position or distance of DUT to SAM (if not standard head positions) :

ambient temperature: 22.0°C; liquid temperature: 21.5°C

P1528_OET65_EN62209-RightHandSide tilted 15°-GSM850

DUT: U1250-9

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

Medium parameters used (interpolated): $f = 836.6$ MHz; $\sigma = 0.926$ mho/m; $\epsilon_r = 41.4$; $\rho = 1000$ kg/m³

Phantom section: Right Section

DASY5 Configuration:

- Probe: ES3DV3 - SN3168; ConvF(6.06, 6.06, 6.06); Calibrated: 12/18/2009
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn851; Calibrated: 5/14/2009
- Phantom: SAM1; Type: SAM; Serial: TP-1475
- Measurement SW: DASY5, V5.0 Build 125; SEMCAD X Version 13.4 Build 125

head/Area Scan (6x10x1): Measurement grid: dx=15mm, dy=15mm

[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (measured) = 0.480 mW/g

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

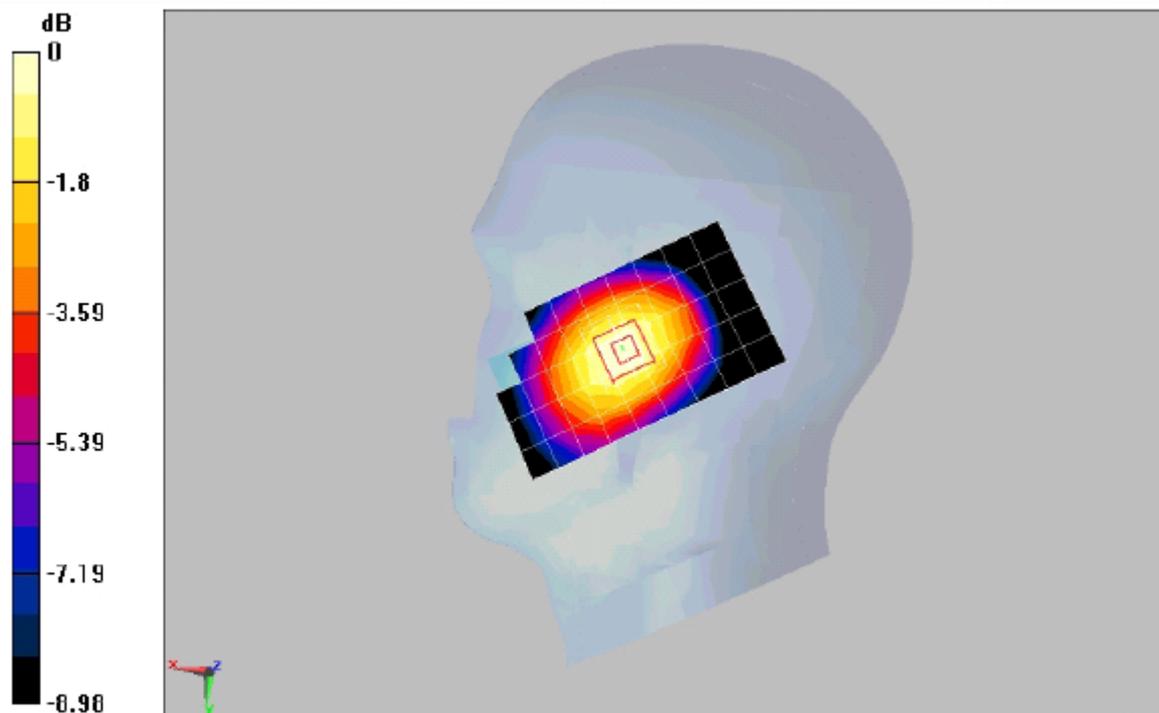
Reference Value = 14.1 V/m; Power Drift = 0.034 dB

Peak SAR (extrapolated) = 0.602 W/kg

SAR(1 g) = 0.488 mW/g; SAR(10 g) = 0.359 mW/g

[Info: Interpolated medium parameters used for SAR evaluation.](#)

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



0 dB = 0.514mW/g

Additional information:

position or distance of DUT to SAM (if not standard head positions) :

ambient temperature: 22.0°C; liquid temperature: 21.5°C

P1528_OET65_EN62209- RightHandSide touched –GSM850

DUT: U1250-9

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

Medium parameters used (interpolated): $f = 848.8$ MHz; $\sigma = 0.937$ mho/m; $\epsilon_r = 41.3$; $\rho = 1000$ kg/m³

Phantom section: Right Section

DASY5 Configuration:

- Probe: ES3DV3 - SN3168; ConvF(6.06, 6.06, 6.06); Calibrated: 12/18/2009
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn851; Calibrated: 5/14/2009
- Phantom: SAM1; Type: SAM; Serial: TP-1475
- Measurement SW: DASY5, V5.0 Build 125; SEMCAD X Version 13.4 Build 125

head/Area Scan (6x10x1): Measurement grid: dx=15mm, dy=15mm

[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (measured) = 0.894 mW/g

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

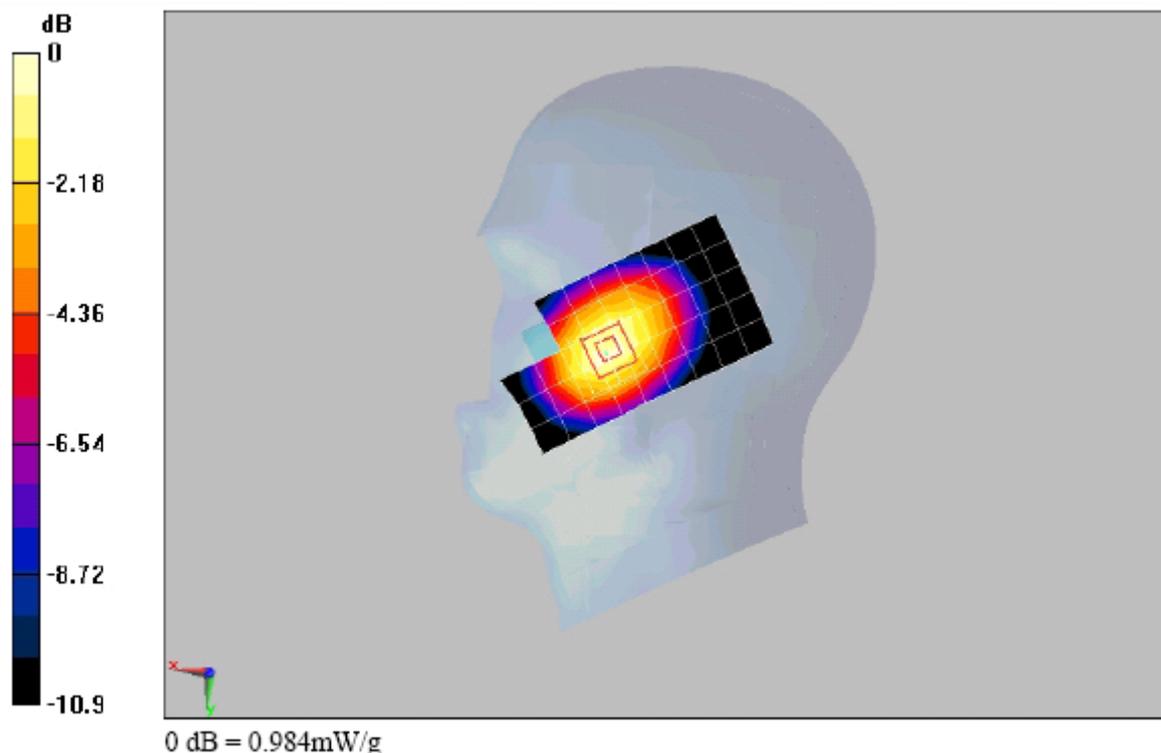
Reference Value = 9.9 V/m; Power Drift = 0.068 dB

Peak SAR (extrapolated) = 1.26 W/kg

SAR(1 g) = 0.922 mW/g; SAR(10 g) = 0.637 mW/g

[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (measured) = 0.984 mW/g



Additional information:

position or distance of DUT to SAM (if not standard head positions) :

ambient temperature: 22.0°C; liquid temperature: 21.5°C

P1528_OET65_EN62209- RightHandSide touched –GSM850

DUT: U1250-9

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

Medium parameters used: $f = 825$ MHz; $\sigma = 0.915$ mho/m; $\epsilon_r = 41.6$; $\rho = 1000$ kg/m³

Phantom section: Right Section

DASY5 Configuration:

- Probe: ES3DV3 - SN3168; ConvF(6.06, 6.06, 6.06); Calibrated: 12/18/2009

- Sensor-Surface: 4mm (Mechanical Surface Detection)

- Electronics: DAE4 Sn851; Calibrated: 5/14/2009

- Phantom: SAM1; Type: SAM; Serial: TP-1475

- Measurement SW: DASY5, V5.0 Build 125; SEMCAD X Version 13.4 Build 125

head/Area Scan (6x10x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 0.655 mW/g

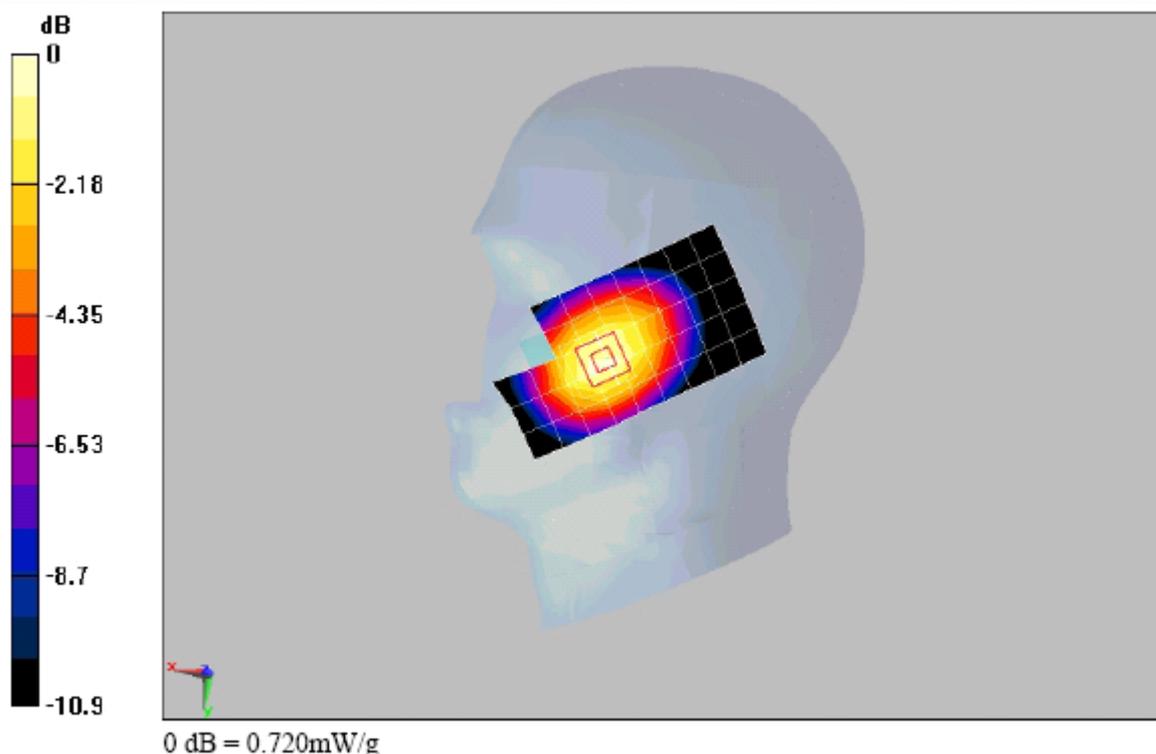
head/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 8.36 V/m; Power Drift = 0.034 dB

Peak SAR (extrapolated) = 0.898 W/kg

SAR(1 g) = 0.665 mW/g; SAR(10 g) = 0.463 mW/g

Maximum value of SAR (measured) = 0.720 mW/g



Additional information:

position or distance of DUT to SAM (if not standard head positions) :

ambient temperature: 22.0°C; liquid temperature: 21.5°C

Annex 2.2 GSM 850 MHz body

Date/Time: 2010-03-11 22:47:31

P1528_OET65_EN62209- GSM850 GPRS 2TS towards phantom**DUT: U1250-9**

Communication System: GSM 850; Frequency: 836.6 MHz; Duty Cycle: 1:4.1

Medium parameters used (interpolated): $f = 836.6$ MHz; $\sigma = 0.968$ mho/m; $\epsilon_r = 54.2$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY5 Configuration:

- Probe: ES3DV3 - SN3168; ConvF(5.97, 5.97, 5.97); Calibrated: 12/18/2009
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn851; Calibrated: 5/14/2009
- Phantom: SAM2; Type: SAM; Serial: TP-1474
- Measurement SW: DASY5, V5.0 Build 125; SEMCAD X Version 13.4 Build 125

body/Area Scan (6x10x1): Measurement grid: dx=15mm, dy=15mm[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (measured) = 0.813 mW/g

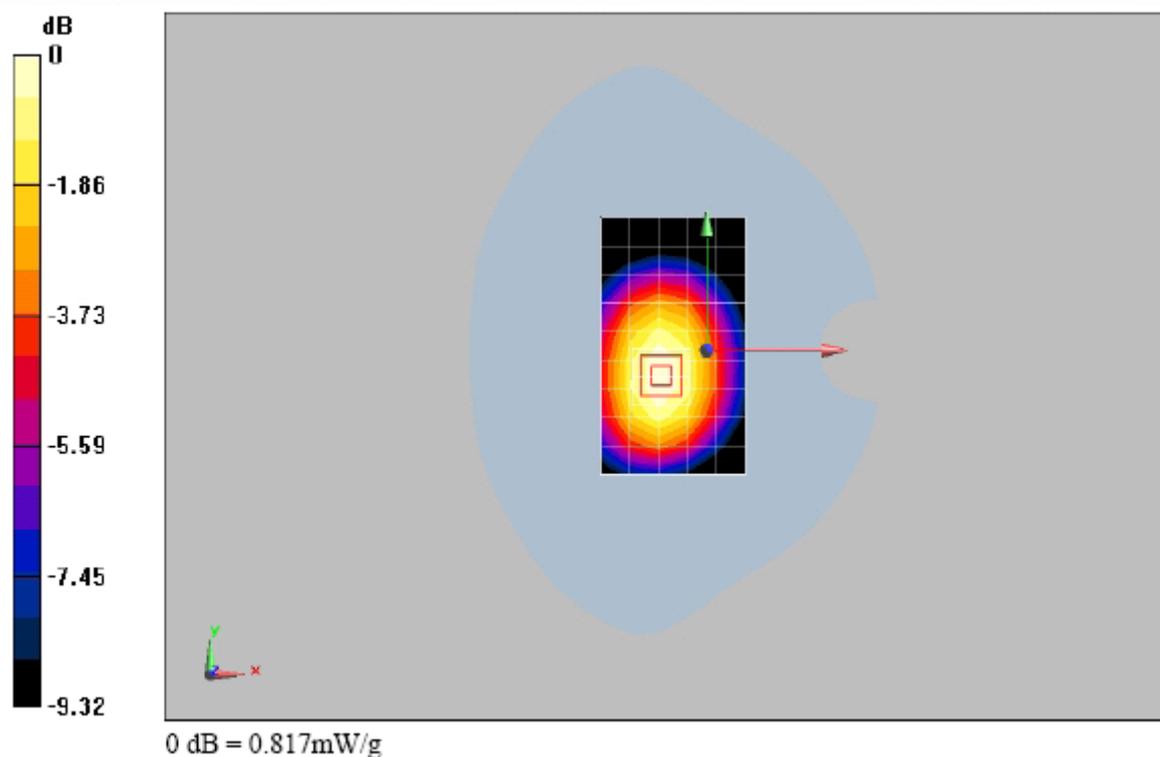
body/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 28.5 V/m; Power Drift = 0.032 dB

Peak SAR (extrapolated) = 1 W/kg

SAR(1 g) = 0.769 mW/g; SAR(10 g) = 0.552 mW/g[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (measured) = 0.817 mW/g

**Additional information:**

position or distance of DUT to SAM (if not standard head positions) : 15 mm

ambient temperature: 22.0°C; liquid temperature: 21.5°C

P1528_OET65_EN62209- GSM850 GPRS 2TS towards ground

DUT: U1250-9

Communication System: GSM 850; Frequency: 836.6 MHz; Duty Cycle: 1:4.1

Medium parameters used (interpolated): $f = 836.6$ MHz; $\sigma = 0.968$ mho/m; $\epsilon_r = 54.2$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY5 Configuration:

- Probe: ES3DV3 - SN3168; ConvF(5.97, 5.97, 5.97); Calibrated: 12/18/2009
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn851; Calibrated: 5/14/2009
- Phantom: SAM2; Type: SAM; Serial: TP-1474
- Measurement SW: DASY5, V5.0 Build 125; SEMCAD X Version 13.4 Build 125

body/Area Scan (6x10x1): Measurement grid: dx=15mm, dy=15mm

[Info: Interpolated medium parameters used for SAR evaluation.](#)

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

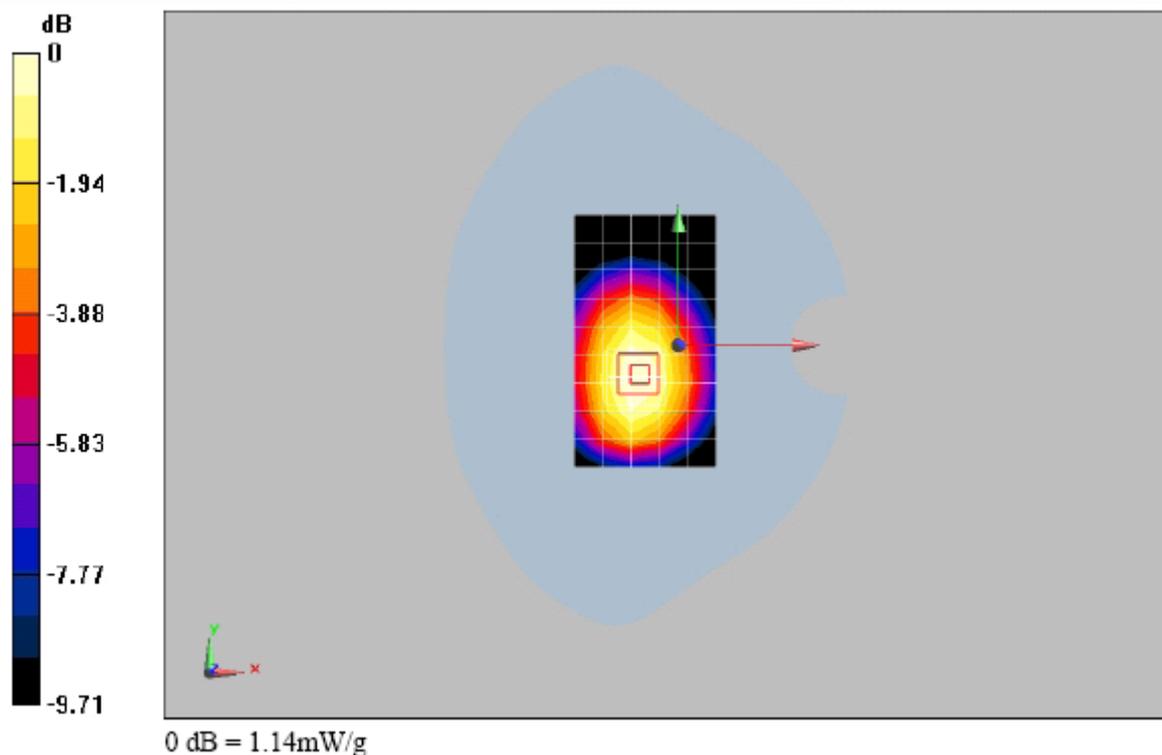
body/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 33.3 V/m; Power Drift = -0.037 dB

Peak SAR (extrapolated) = 1.42 W/kg

SAR(1 g) = 1.07 mW/g; SAR(10 g) = 0.762 mW/g

[Info: Interpolated medium parameters used for SAR evaluation.](#)



Additional information:

position or distance of DUT to SAM (if not standard head positions) : 15 mm

ambient temperature: 22.0°C; liquid temperature: 21.5°C

P1528_OET65_EN62209- GSM850 GPRS 2TS towards ground

DUT: U1250-9

Communication System: GSM 850; Frequency: 848.8 MHz; Duty Cycle: 1:4.1

Medium parameters used (interpolated): $f = 848.8$ MHz; $\sigma = 0.98$ mho/m; $\epsilon_r = 54$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY5 Configuration:

- Probe: ES3DV3 - SN3168; ConvF(5.97, 5.97, 5.97); Calibrated: 12/18/2009
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn851; Calibrated: 5/14/2009
- Phantom: SAM2; Type: SAM; Serial: TP-1474
- Measurement SW: DASY5, V5.0 Build 125; SEMCAD X Version 13.4 Build 125

body/Area Scan (6x10x1): Measurement grid: dx=15mm, dy=15mm

[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (measured) = 1.17 mW/g

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

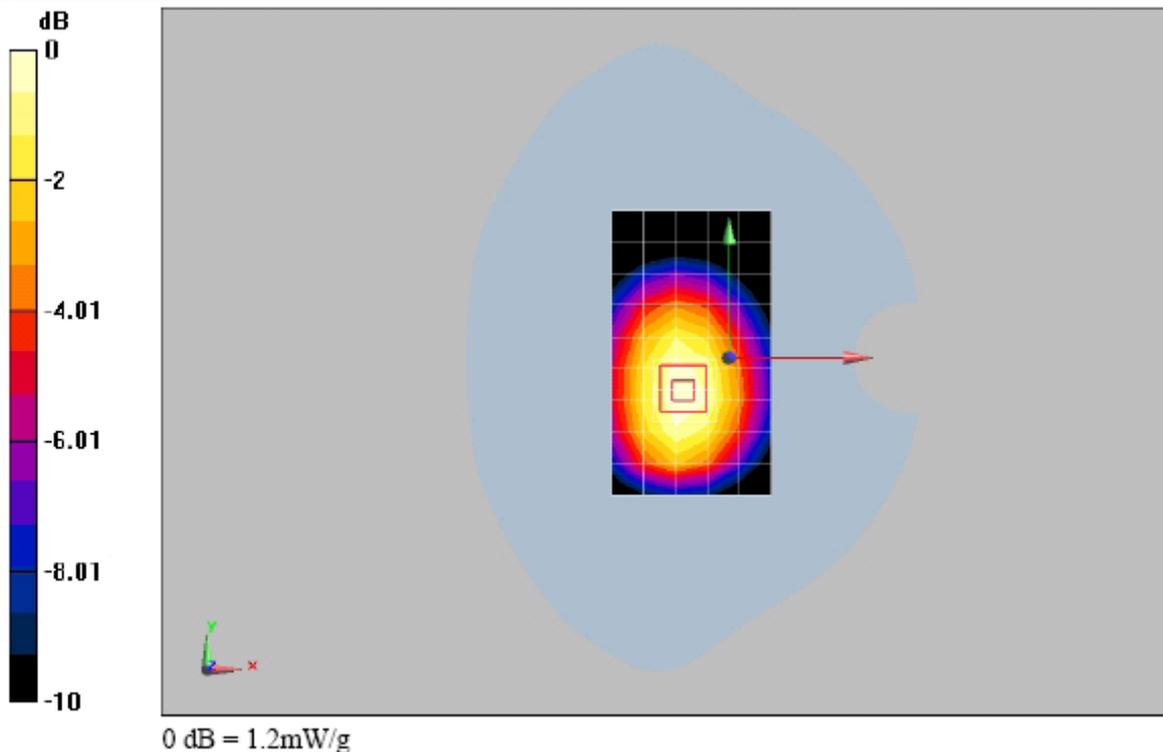
Reference Value = 33.2 V/m; Power Drift = 0.032 dB

Peak SAR (extrapolated) = 1.49 W/kg

SAR(1 g) = 1.13 mW/g; SAR(10 g) = 0.803 mW/g

[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (measured) = 1.2 mW/g



Additional information:

position or distance of DUT to SAM (if not standard head positions) : 15 mm

ambient temperature: 22.0°C; liquid temperature: 21.5°C

P1528_OET65_EN62209- GSM850 GPRS 2TS towards ground

DUT: U1250-9

Communication System: GSM 850; Frequency: 824.2 MHz;Duty Cycle: 1:4.1

Medium parameters used: $f = 825$ MHz; $\sigma = 0.957$ mho/m; $\epsilon_r = 54.3$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY5 Configuration:

- Probe: ES3DV3 - SN3168; ConvF(5.97, 5.97, 5.97); Calibrated: 12/18/2009
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn851; Calibrated: 5/14/2009
- Phantom: SAM2; Type: SAM; Serial: TP-1474
- Measurement SW: DASY5, V5.0 Build 125; SEMCAD X Version 13.4 Build 125

body/Area Scan (6x10x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 0.750 mW/g

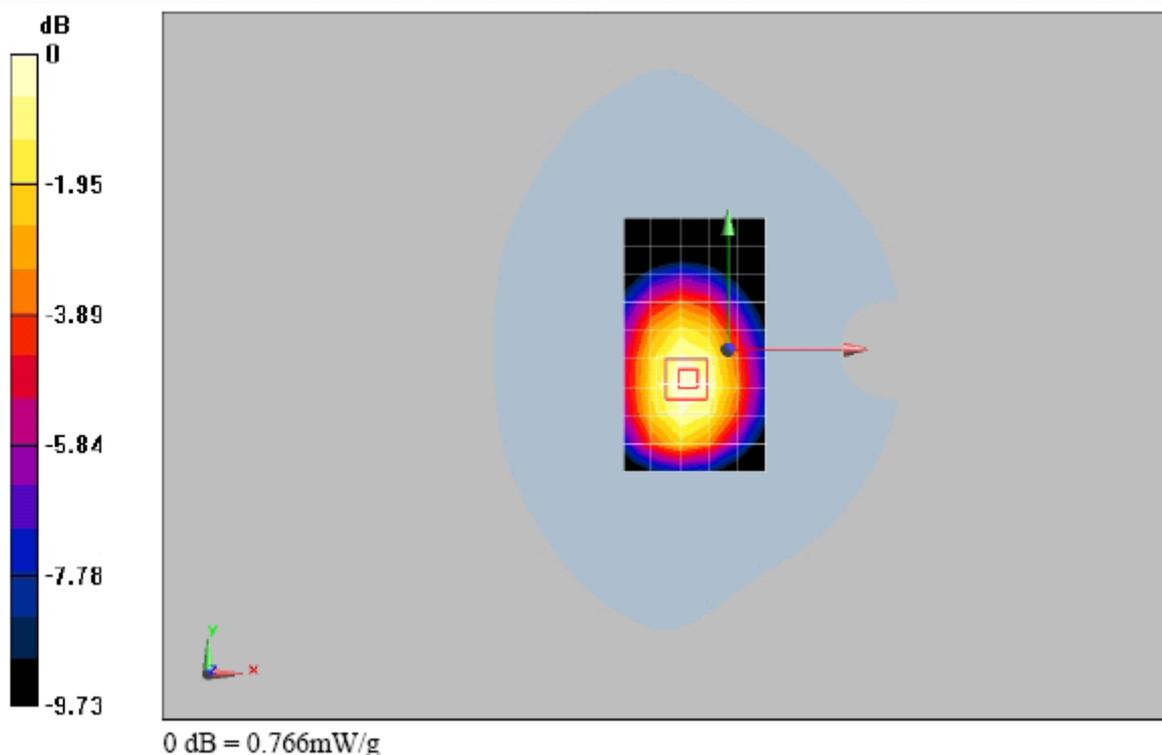
body/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 26.5 V/m; Power Drift = 0.045 dB

Peak SAR (extrapolated) = 0.943 W/kg

SAR(1 g) = 0.724 mW/g; SAR(10 g) = 0.520 mW/g

Maximum value of SAR (measured) = 0.766 mW/g



Additional information:

position or distance of DUT to SAM (if not standard head positions) : 15 mm

ambient temperature: 22.0°C; liquid temperature: 21.5°C

P1528_OET65_EN62209- GSM850 towards ground with Headset

DUT: U1250-9

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

Medium parameters used (interpolated): $f = 848.8$ MHz; $\sigma = 0.98$ mho/m; $\epsilon_r = 54$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY5 Configuration:

- Probe: ES3DV3 - SN3168; ConvF(5.97, 5.97, 5.97); Calibrated: 12/18/2009
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn851; Calibrated: 5/14/2009
- Phantom: SAM2; Type: SAM; Serial: TP-1474
- Measurement SW: DASY5, V5.0 Build 125; SEMCAD X Version 13.4 Build 125

body/Area Scan (6x10x1): Measurement grid: dx=15mm, dy=15mm

[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (measured) = 0.617 mW/g

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

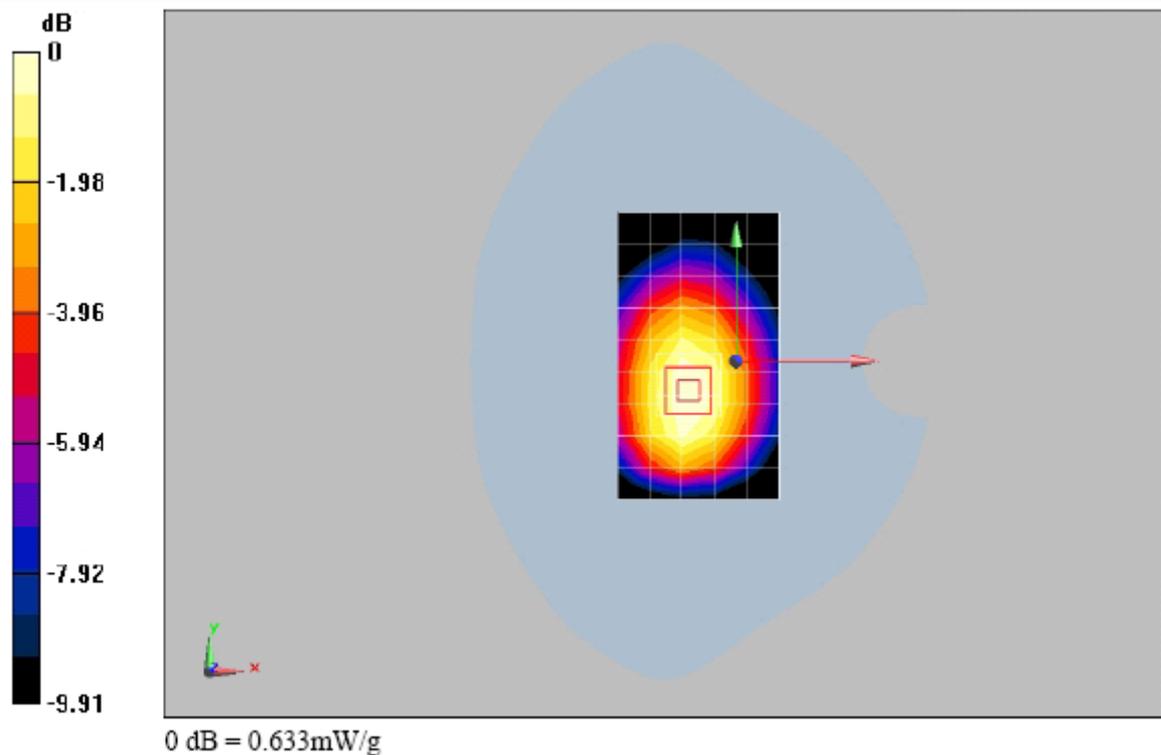
Reference Value = 24.4 V/m; Power Drift = 0.060 dB

Peak SAR (extrapolated) = 0.791 W/kg

SAR(1 g) = 0.595 mW/g; SAR(10 g) = 0.423 mW/g

[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (measured) = 0.633 mW/g



Additional information:

position or distance of DUT to SAM (if not standard head positions) : 15 mm

ambient temperature: 22.0°C; liquid temperature: 21.5°C

P1528_OET65_EN62209- GSM850 towards ground with Bluetooth Headset

DUT: U1250-9

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

Medium parameters used (interpolated): $f = 848.8$ MHz; $\sigma = 0.98$ mho/m; $\epsilon_r = 54$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY5 Configuration:

- Probe: ES3DV3 - SN3168; ConvF(5.97, 5.97, 5.97); Calibrated: 12/18/2009
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn851; Calibrated: 5/14/2009
- Phantom: SAM2; Type: SAM; Serial: TP-1474
- Measurement SW: DASY5, V5.0 Build 125; SEMCAD X Version 13.4 Build 125

body/Area Scan (6x10x1): Measurement grid: dx=15mm, dy=15mm

[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (measured) = 0.907 mW/g

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

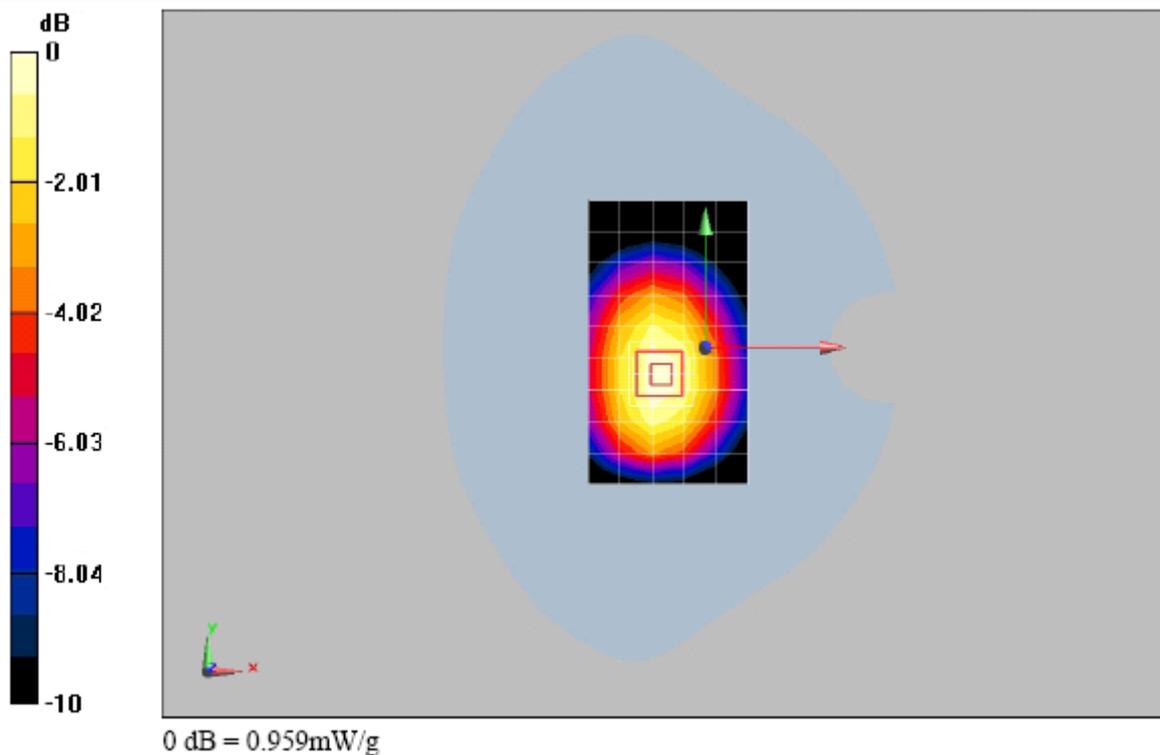
Reference Value = 30.2 V/m; Power Drift = 0.020 dB

Peak SAR (extrapolated) = 1.2 W/kg

SAR(1 g) = 0.897 mW/g; SAR(10 g) = 0.634 mW/g

[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (measured) = 0.959 mW/g



Additional information:

position or distance of DUT to SAM (if not standard head positions) : 15 mm

ambient temperature: 22.0°C; liquid temperature: 21.5°C

P1528_OET65_EN62209- GSM850 EGPRS 2TS towards ground

DUT: U1250-9

Communication System: GSM 850; Frequency: 848.8 MHz; Duty Cycle: 1:4.1

Medium parameters used (interpolated): $f = 848.8$ MHz; $\sigma = 0.98$ mho/m; $\epsilon_r = 54$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY5 Configuration:

- Probe: ES3DV3 - SN3168; ConvF(5.97, 5.97, 5.97); Calibrated: 12/18/2009
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn851; Calibrated: 5/14/2009
- Phantom: SAM2; Type: SAM; Serial: TP-1474
- Measurement SW: DASY5, V5.0 Build 125; SEMCAD X Version 13.4 Build 125

body/Area Scan (6x10x1): Measurement grid: dx=15mm, dy=15mm

[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (measured) = 1.23 mW/g

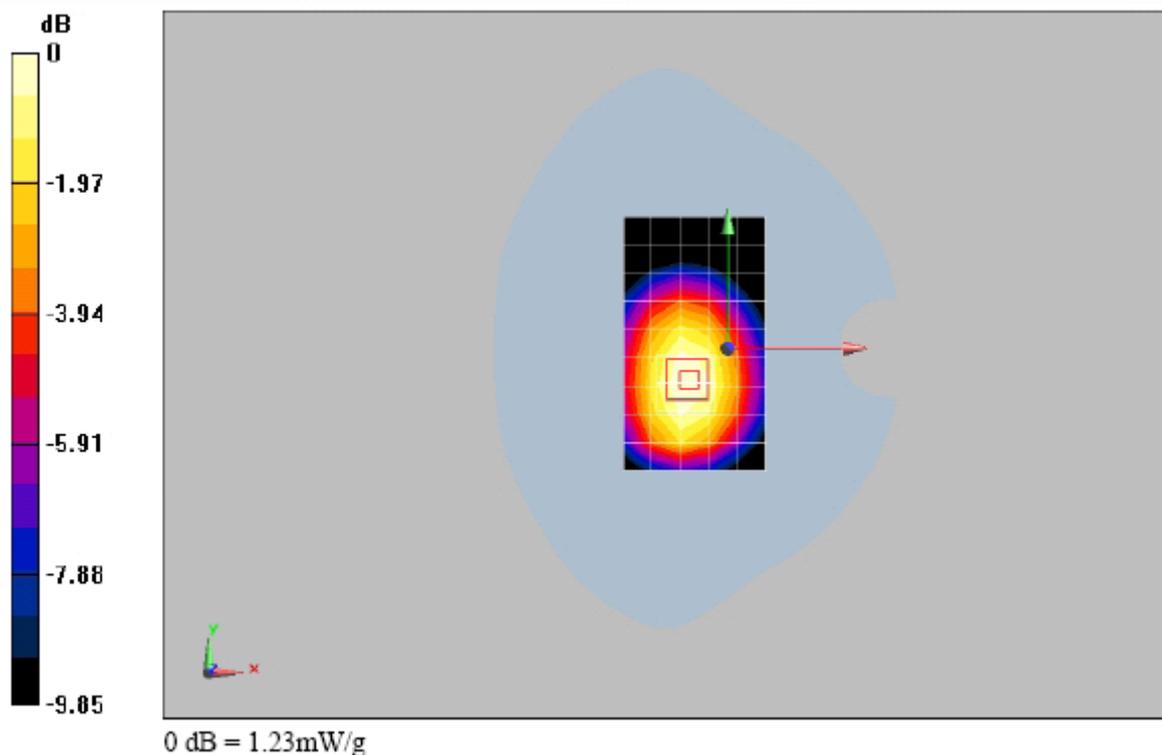
body/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 34 V/m; Power Drift = -0.054 dB

Peak SAR (extrapolated) = 1.55 W/kg

SAR(1 g) = 1.16 mW/g; SAR(10 g) = 0.824 mW/g

[Info: Interpolated medium parameters used for SAR evaluation.](#)



Additional information:

position or distance of DUT to SAM (if not standard head positions) : 15 mm

ambient temperature: 22.0°C; liquid temperature: 21.5°C