

Appendix B

Measurement Plots

Test Laboratory: ELECTRONIC TECHNOLOGY SYSTEMS DR. GENZ GMBH

Dipol Valid.900 (m)_250mW30.1.06_FCC

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

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

Medium: Muscle 850 MHz Medium parameters used: $f = 900 \text{ MHz}$; $\sigma = 1.04 \text{ mho/m}$; $\epsilon_r = 54.4$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1711; ConvF(5.73, 5.73, 5.73); Calibrated: 11/21/2005
- Sensor-Surface: 4mm (Mechanical And Optical Surface Detection)
- Electronics: DAE3 Sn522; Calibrated: 11/23/2005
- Phantom: SAM 12; Type: TP-1217; Serial: QD000P40CA
- Measurement SW: DASY4, V4.6 Build 23; Postprocessing SW: SEMCAD, V1.8 Build 160

Dipol 900 (250mW)/Area Scan (81x161x1): Measurement grid: $dx=10\text{mm}$, $dy=10\text{mm}$
Maximum value of SAR (interpolated) = 3.05 mW/g

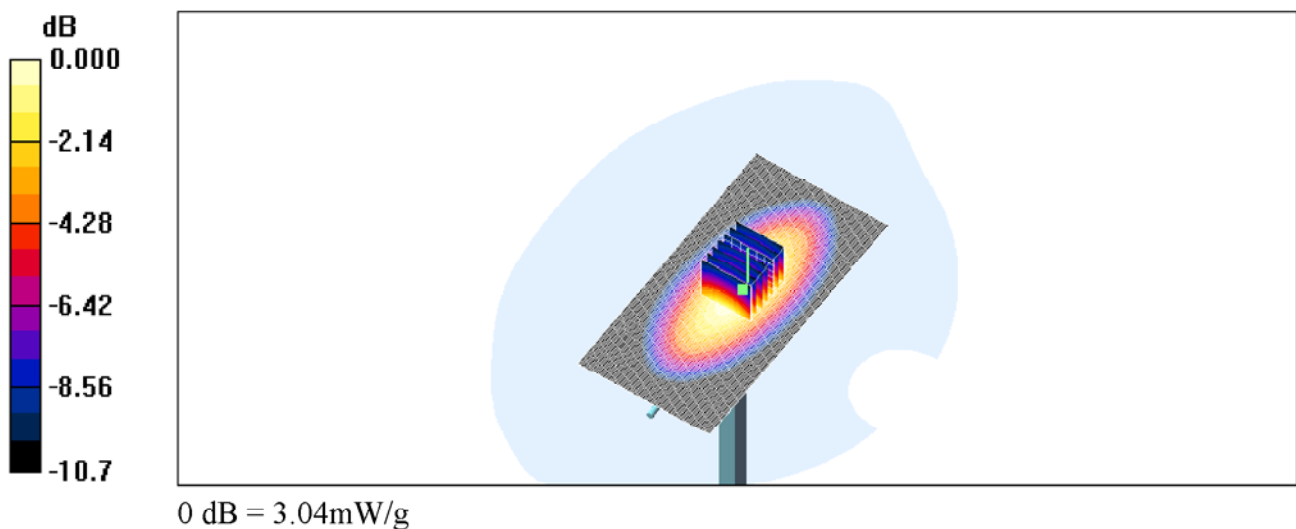
Dipol 900 (250mW)/Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5\text{mm}$, $dy=5\text{mm}$, $dz=5\text{mm}$

Reference Value = 55.3 V/m ; Power Drift = 0.006 dB

Peak SAR (extrapolated) = 4.15 W/kg

SAR(1 g) = 2.79 mW/g ; SAR(10 g) = 1.8 mW/g

Maximum value of SAR (measured) = 3.04 mW/g



Test Laboratory: ELECTRONIC TECHNOLOGY SYSTEMS DR. GENZ GMBH

Dipol Valid.900 (m)_250mW30.1.06

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: $f = 900 \text{ MHz}$; $\sigma = 1.04 \text{ mho/m}$; $\epsilon_r = 54.4$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1711; ConvF(5.73, 5.73, 5.73); Calibrated: 11/21/2005
- Sensor-Surface: 4mm (Mechanical And Optical Surface Detection)
- Electronics: DAE3 Sn522; Calibrated: 11/23/2005
- Phantom: SAM 12; Type: TP-1217; Serial: QD000P40CA
- Measurement SW: DASY4, V4.6 Build 23; Postprocessing SW: SEMCAD, V1.8 Build 160

Dipol 900 (250mW)/Area Scan (81x161x1): Measurement grid: $dx=10\text{mm}$, $dy=10\text{mm}$
Maximum value of SAR (interpolated) = 3.06 mW/g

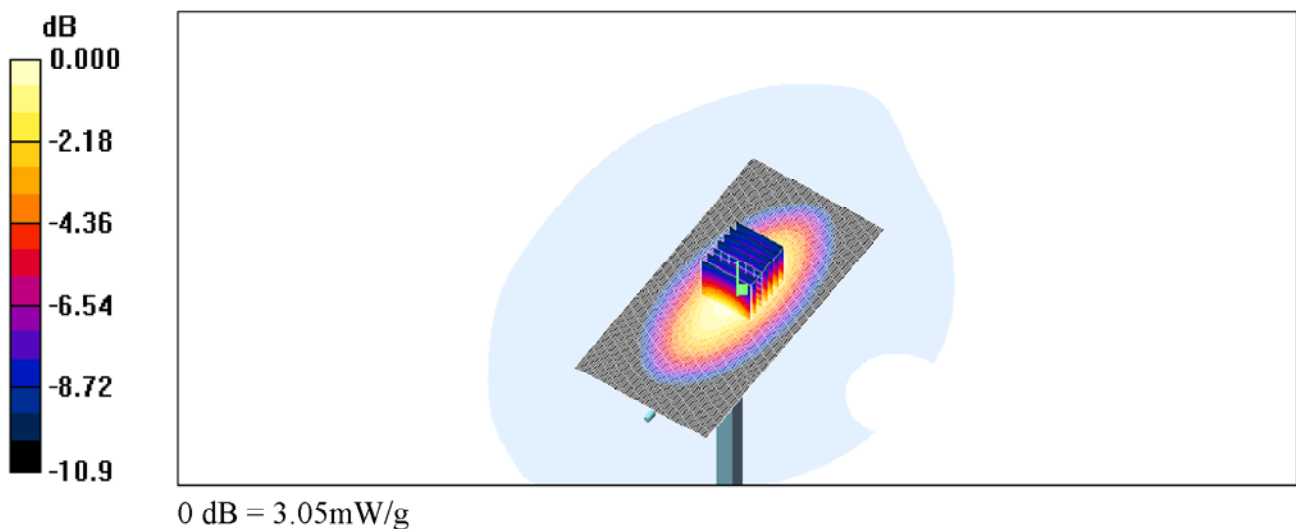
Dipol 900 (250mW)/Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5\text{mm}$, $dy=5\text{mm}$, $dz=5\text{mm}$

Reference Value = 55.9 V/m ; Power Drift = 0.007 dB

Peak SAR (extrapolated) = 4.13 W/kg

SAR(1 g) = 2.79 mW/g ; SAR(10 g) = 1.82 mW/g

Maximum value of SAR (measured) = 3.05 mW/g



Test Laboratory: ELECTRONIC TECHNOLOGY SYSTEMS DR. GENZ GMBH

Dipol Valid.1900(m)_250mW 27.1.06

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: $f = 1900 \text{ MHz}$; $\sigma = 1.58 \text{ mho/m}$; $\epsilon_r = 51.9$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1711; ConvF(4.31, 4.31, 4.31); Calibrated: 11/21/2005
- Sensor-Surface: 4mm (Mechanical And Optical Surface Detection)
- Electronics: DAE3 Sn522; Calibrated: 11/23/2005
- Phantom: SAM 12; Type: TP-1217; Serial: QD000P40CA
- Measurement SW: DASY4, V4.6 Build 23; Postprocessing SW: SEMCAD, V1.8 Build 160

Dipol 1900 (250mW)/Area Scan (61x81x1): Measurement grid: $dx=10\text{mm}$, $dy=10\text{mm}$
Maximum value of SAR (interpolated) = 13.5 mW/g

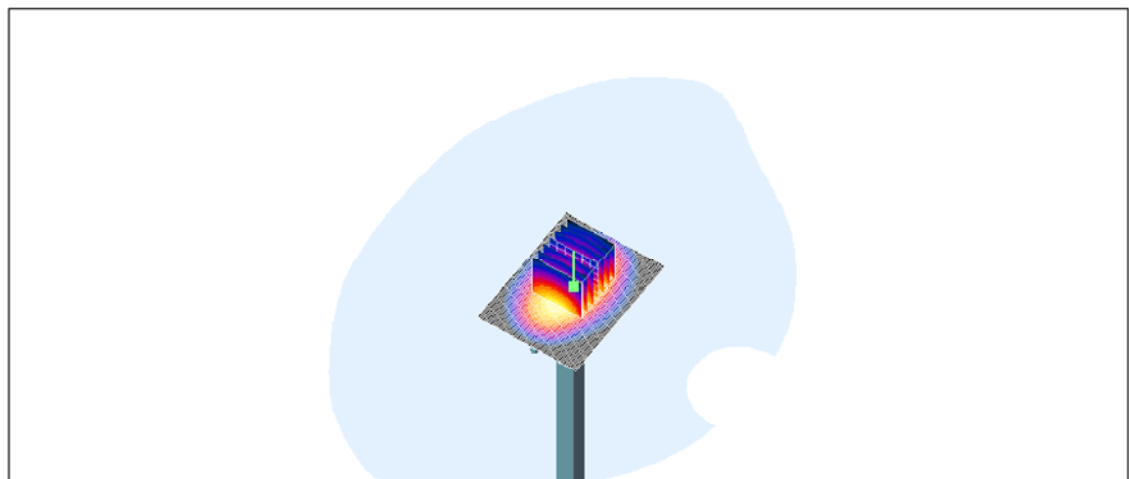
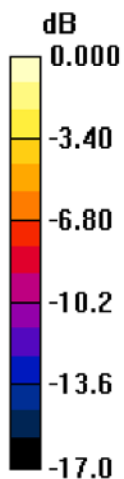
Dipol 1900 (250mW)/Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5\text{mm}$, $dy=5\text{mm}$, $dz=5\text{mm}$

Reference Value = 99.1 V/m; Power Drift = -0.047 dB

Peak SAR (extrapolated) = 19.9 W/kg

SAR(1 g) = 11.8 mW/g; SAR(10 g) = 6.2 mW/g

Maximum value of SAR (measured) = 13.3 mW/g



0 dB = 13.3mW/g

Test Laboratory: ELECTRONIC TECHNOLOGY SYSTEMS DR. GENZ GMBH

Dipol Valid.1800(m)_250mW 27.1.06

DUT: Dipole 1800 MHz (D1800V2); Type: SA AAD 180 BA; Serial: 2d046

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

Medium: Muscle 1800 MHz Medium parameters used: $f = 1800 \text{ MHz}$; $\sigma = 1.58 \text{ mho/m}$; $\epsilon_r = 54.3$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1711; ConvF(4.31, 4.31, 4.31); Calibrated: 11/21/2005
- Sensor-Surface: 4mm (Mechanical And Optical Surface Detection)
- Electronics: DAE3 Sn522; Calibrated: 11/23/2005
- Phantom: SAM 12; Type: TP-1217; Serial: QD000P40CA
- Measurement SW: DASY4, V4.6 Build 23; Postprocessing SW: SEMCAD, V1.8 Build 160

Dipol 1800 (250mW)/Area Scan (61x81x1): Measurement grid: $dx=10\text{mm}$, $dy=10\text{mm}$
Maximum value of SAR (interpolated) = 12.1 mW/g

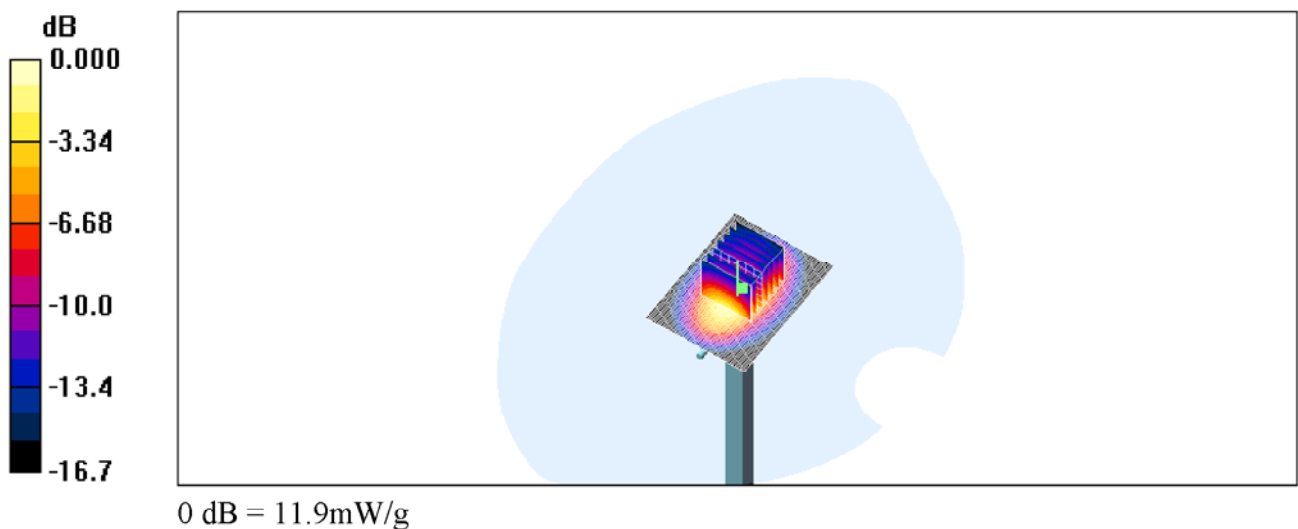
Dipol 1800 (250mW)/Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5\text{mm}$, $dy=5\text{mm}$, $dz=5\text{mm}$

Reference Value = 92.6 V/m; Power Drift = 0.033 dB

Peak SAR (extrapolated) = 17.7 W/kg

SAR(1 g) = 10.5 mW/g; SAR(10 g) = 5.6 mW/g

Maximum value of SAR (measured) = 11.9 mW/g



Test Laboratory: ELECTRONIC TECHNOLOGY SYSTEMS DR. GENZ GMBH

GSM 850 body 128 back belt clipp

DUT: Telex III ; Type: Telex III; Serial: Cardiomessenger II / Cardiomessenger VI/L

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

Medium: Muscle 850 MHz Medium parameters used: $f = 824.2$ MHz; $\sigma = 0.962$ mho/m; $\epsilon_r = 55.2$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1711; ConvF(5.73, 5.73, 5.73); Calibrated: 11/21/2005
- Sensor-Surface: 4mm (Mechanical And Optical Surface Detection)
- Electronics: DAE3 Sn522; Calibrated: 11/23/2005
- Phantom: SAM 12; Type: TP-1217; Serial: QD000P40CA
- Measurement SW: DASY4, V4.6 Build 23; Postprocessing SW: SEMCAD, V1.8 Build 160

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

Maximum value of SAR (interpolated) = 1.07 mW/g

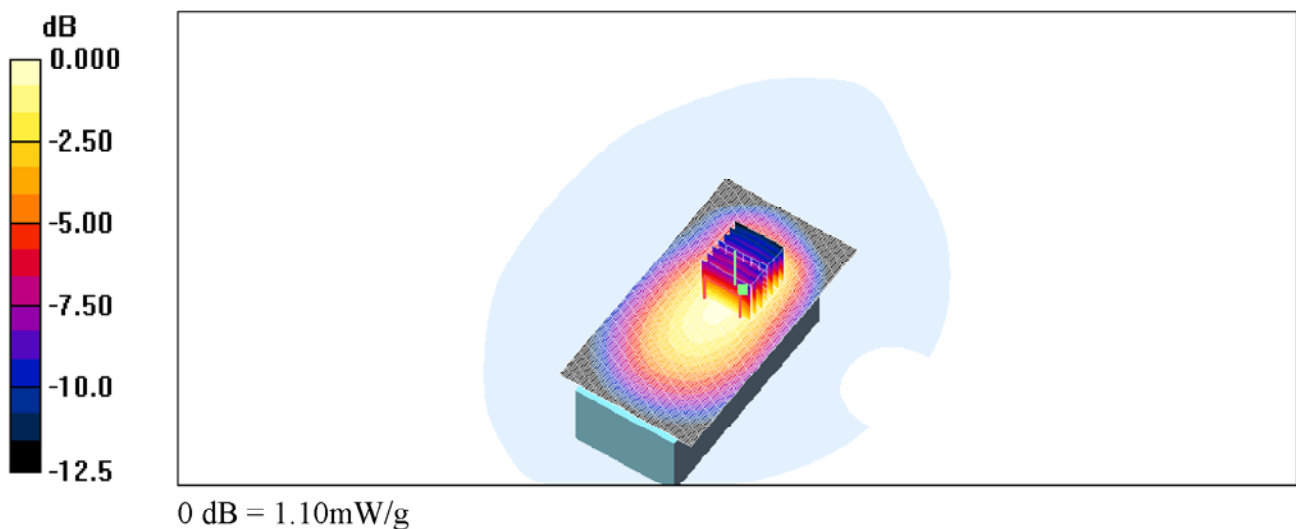
Telex III/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 34.0 V/m; Power Drift = 0.033 dB

Peak SAR (extrapolated) = 1.55 W/kg

SAR(1 g) = 1.02 mW/g; SAR(10 g) = 0.679 mW/g

Maximum value of SAR (measured) = 1.10 mW/g



Test Laboratory: ELECTRONIC TECHNOLOGY SYSTEMS DR. GENZ GMBH

GSM 850 body 189 back belt clipp

DUT: Telex III ; Type: Telex III; Serial: Cardiomessenger II / Cardiomessenger VI/L

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

Medium: Muscle 850 MHz Medium parameters used: $f = 836.4 \text{ MHz}$; $\sigma = 0.972 \text{ mho/m}$; $\epsilon_r = 55.1$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1711; ConvF(5.73, 5.73, 5.73); Calibrated: 11/21/2005
- Sensor-Surface: 4mm (Mechanical And Optical Surface Detection)
- Electronics: DAE3 Sn522; Calibrated: 11/23/2005
- Phantom: SAM 12; Type: TP-1217; Serial: QD000P40CA
- Measurement SW: DASY4, V4.6 Build 23; Postprocessing SW: SEMCAD, V1.8 Build 160

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

Maximum value of SAR (interpolated) = 1.12 mW/g

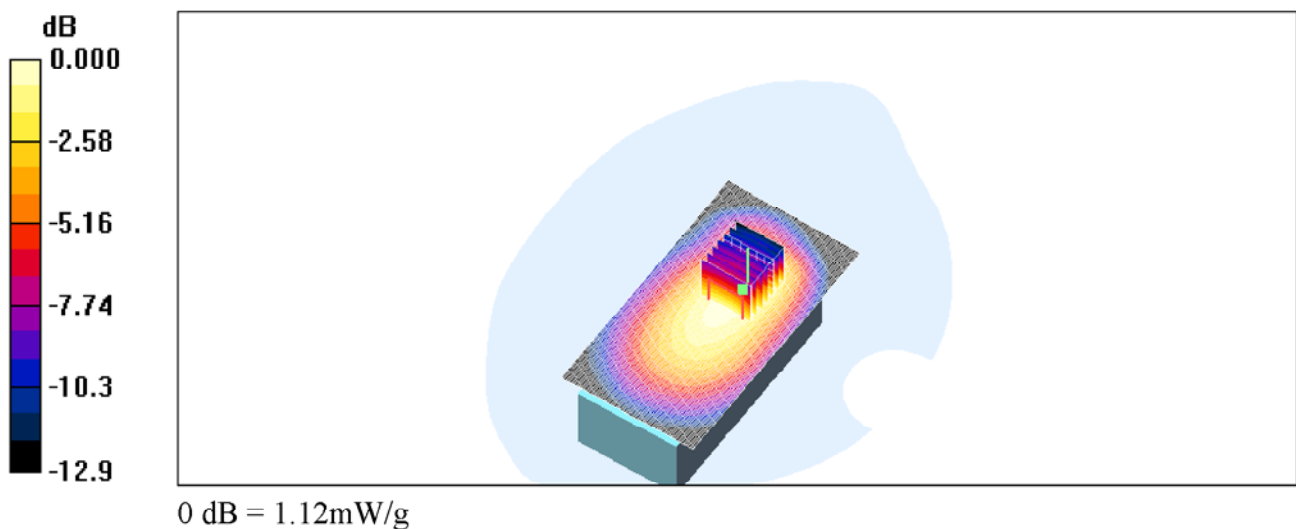
Telex III/Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5\text{mm}$, $dy=5\text{mm}$, $dz=5\text{mm}$

Reference Value = 34.1 V/m ; Power Drift = -0.029 dB

Peak SAR (extrapolated) = 1.58 W/kg

SAR(1 g) = 1.02 mW/g ; SAR(10 g) = 0.683 mW/g

Maximum value of SAR (measured) = 1.12 mW/g



Test Laboratory: ELECTRONIC TECHNOLOGY SYSTEMS DR. GENZ GMBH

GSM 850 body 251 back belt clipp

DUT: Telex III ; Type: Telex III; Serial: Cardiomessenger II / Cardiomessenger VI/L

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

Medium: Muscle 850 MHz Medium parameters used: $f = 848.8 \text{ MHz}$; $\sigma = 0.981 \text{ mho/m}$; $\epsilon_r = 55$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1711; ConvF(5.73, 5.73, 5.73); Calibrated: 11/21/2005
- Sensor-Surface: 4mm (Mechanical And Optical Surface Detection)
- Electronics: DAE3 Sn522; Calibrated: 11/23/2005
- Phantom: SAM 12; Type: TP-1217; Serial: QD000P40CA
- Measurement SW: DASY4, V4.6 Build 23; Postprocessing SW: SEMCAD, V1.8 Build 160

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

Maximum value of SAR (interpolated) = 1.11 mW/g

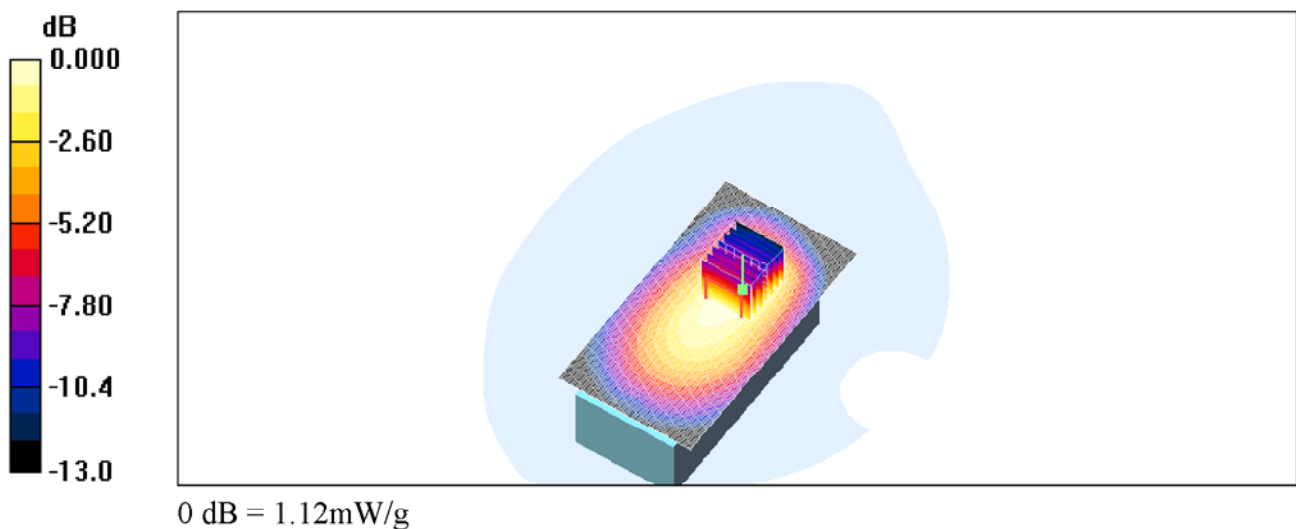
Telex III/Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5\text{mm}$, $dy=5\text{mm}$, $dz=5\text{mm}$

Reference Value = 34.3 V/m ; Power Drift = 0.008 dB

Peak SAR (extrapolated) = 1.57 W/kg

SAR(1 g) = 1.03 mW/g ; SAR(10 g) = 0.691 mW/g

Maximum value of SAR (measured) = 1.12 mW/g



Test Laboratory: ELECTRONIC TECHNOLOGY SYSTEMS DR. GENZ GMBH

EGSM 900 body 62 back belt clipp

DUT: Telex III ; Type: Telex III; Serial: Cardiomessenger II / Cardiomessenger VI/L

Communication System: EGSM 900; Frequency: 902.4 MHz; Duty Cycle: 1:8.3

Medium: Muscle 900 MHz Medium parameters used (interpolated): $f = 902.4 \text{ MHz}$; $\sigma = 1.04 \text{ mho/m}$; $\epsilon_r = 54.4$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1711; ConvF(5.73, 5.73, 5.73); Calibrated: 11/21/2005
- Sensor-Surface: 4mm (Mechanical And Optical Surface Detection)
- Electronics: DAE3 Sn522; Calibrated: 11/23/2005
- Phantom: SAM 12; Type: TP-1217; Serial: QD000P40CA
- Measurement SW: DASY4, V4.6 Build 23; Postprocessing SW: SEMCAD, V1.8 Build 160

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

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

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

Reference Value = 31.7 V/m; Power Drift = -0.036 dB

Peak SAR (extrapolated) = 1.31 W/kg

SAR(1 g) = 0.982 mW/g; SAR(10 g) = 0.700 mW/g

Maximum value of SAR (measured) = 1.05 mW/g

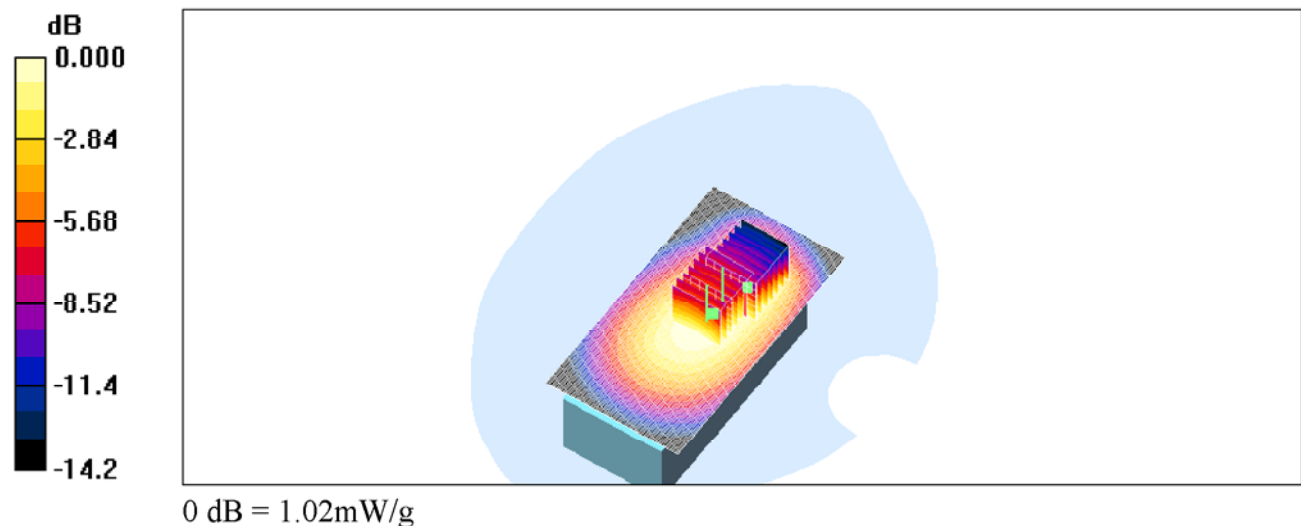
Telex III/Zoom Scan (7x7x7)/Cube 1: Measurement grid: $dx=5\text{mm}$, $dy=5\text{mm}$, $dz=5\text{mm}$

Reference Value = 31.7 V/m; Power Drift = -0.036 dB

Peak SAR (extrapolated) = 1.28 W/kg

SAR(1 g) = 0.923 mW/g; SAR(10 g) = 0.607 mW/g

Maximum value of SAR (measured) = 1.02 mW/g



Test Laboratory: ELECTRONIC TECHNOLOGY SYSTEMS DR. GENZ GMBH

EGSM 900 body 124 back belt clipp

DUT: Telex III ; Type: Telex III; Serial: Cardiomessenger II / Cardiomessenger VI/L

Communication System: EGSM 900; Frequency: 914.8 MHz; Duty Cycle: 1:8.3

Medium: Muscle 900 MHz Medium parameters used (interpolated): $f = 914.8 \text{ MHz}$; $\sigma = 1.05 \text{ mho/m}$; $\epsilon_r = 54.3$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1711; ConvF(5.73, 5.73, 5.73); Calibrated: 11/21/2005
- Sensor-Surface: 4mm (Mechanical And Optical Surface Detection)
- Electronics: DAE3 Sn522; Calibrated: 11/23/2005
- Phantom: SAM 12; Type: TP-1217; Serial: QD000P40CA
- Measurement SW: DASY4, V4.6 Build 23; Postprocessing SW: SEMCAD, V1.8 Build 160

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

Maximum value of SAR (interpolated) = 1.05 mW/g

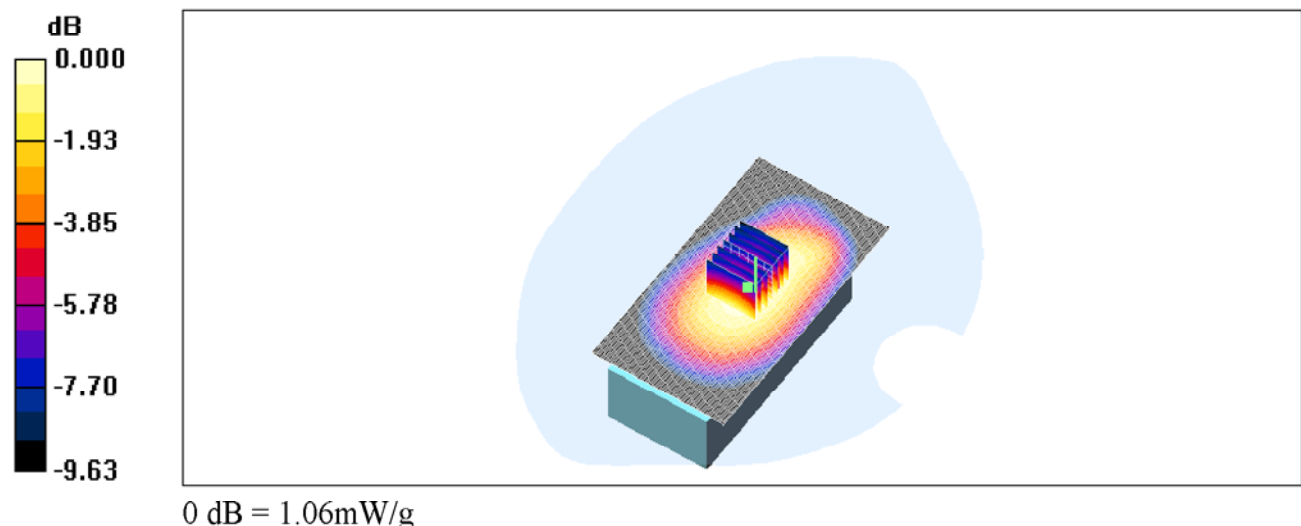
Telex III/Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5\text{mm}$, $dy=5\text{mm}$, $dz=5\text{mm}$

Reference Value = 31.4 V/m; Power Drift = -0.043 dB

Peak SAR (extrapolated) = 1.31 W/kg

SAR(1 g) = 0.997 mW/g; SAR(10 g) = 0.707 mW/g

Maximum value of SAR (measured) = 1.06 mW/g



Test Laboratory: ELECTRONIC TECHNOLOGY SYSTEMS DR. GENZ GMBH

EGSM 900 body 975 back belt clipp

DUT: Telex III ; Type: Telex III; Serial: Cardiomessenger II / Cardiomessenger VI/L

Communication System: EGSM 900; Frequency: 880.2 MHz; Duty Cycle: 1:8.3

Medium: Muscle 900 MHz Medium parameters used (interpolated): $f = 880.2$ MHz; $\sigma = 1.01$ mho/m; $\epsilon_r = 54.6$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1711; ConvF(5.73, 5.73, 5.73); Calibrated: 11/21/2005
- Sensor-Surface: 4mm (Mechanical And Optical Surface Detection)
- Electronics: DAE3 Sn522; Calibrated: 11/23/2005
- Phantom: SAM 12; Type: TP-1217; Serial: QD000P40CA
- Measurement SW: DASY4, V4.6 Build 23; Postprocessing SW: SEMCAD, V1.8 Build 160

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

Maximum value of SAR (interpolated) = 1.15 mW/g

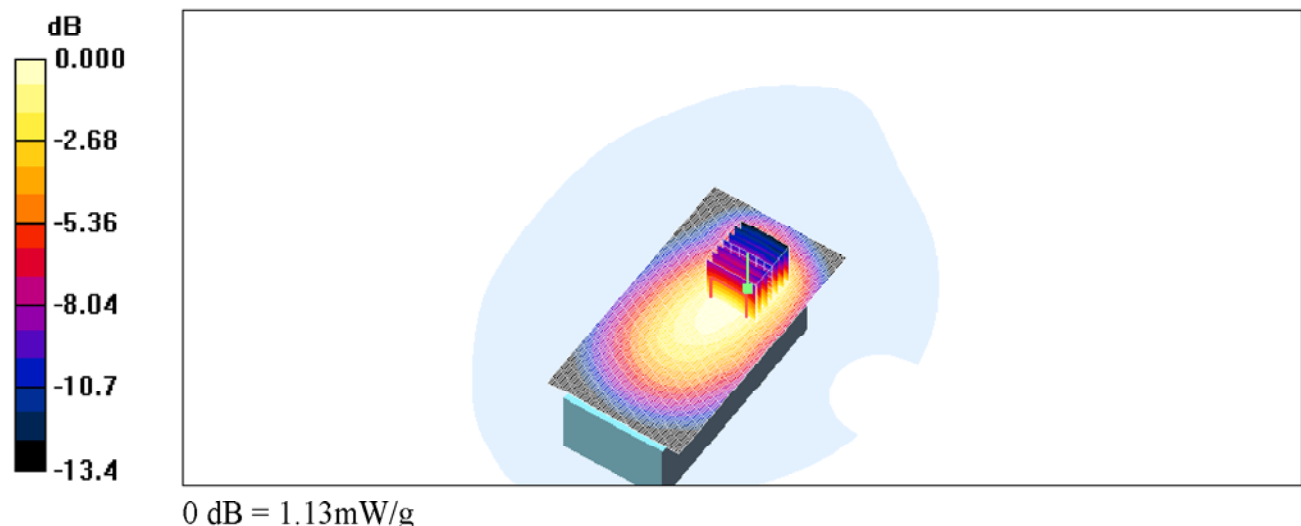
Telex III/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 32.6 V/m; Power Drift = 0.015 dB

Peak SAR (extrapolated) = 1.65 W/kg

SAR(1 g) = 1.06 mW/g; SAR(10 g) = 0.703 mW/g

Maximum value of SAR (measured) = 1.13 mW/g



Test Laboratory: ELECTRONIC TECHNOLOGY SYSTEMS DR. GENZ GMBH

DCS 1800 body 512 back belt clipp

DUT: Telex III ; Type: Telex III; Serial: Cardiomessenger II / Cardiomessenger VI/L

Communication System: GSM 1800; Frequency: 1710.2 MHz; Duty Cycle: 1:8

Medium: Muscle 1800 MHz Medium parameters used (interpolated): $f = 1710.2 \text{ MHz}$; $\sigma = 1.53 \text{ mho/m}$; $\epsilon_r = 54.4$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1711; ConvF(4.31, 4.31, 4.31); Calibrated: 11/21/2005
- Sensor-Surface: 4mm (Mechanical And Optical Surface Detection)
- Electronics: DAE3 Sn522; Calibrated: 11/23/2005
- Phantom: SAM 12; Type: TP-1217; Serial: QD000P40CA
- Measurement SW: DASY4, V4.6 Build 23; Postprocessing SW: SEMCAD, V1.8 Build 160

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

Maximum value of SAR (interpolated) = 1.40 mW/g

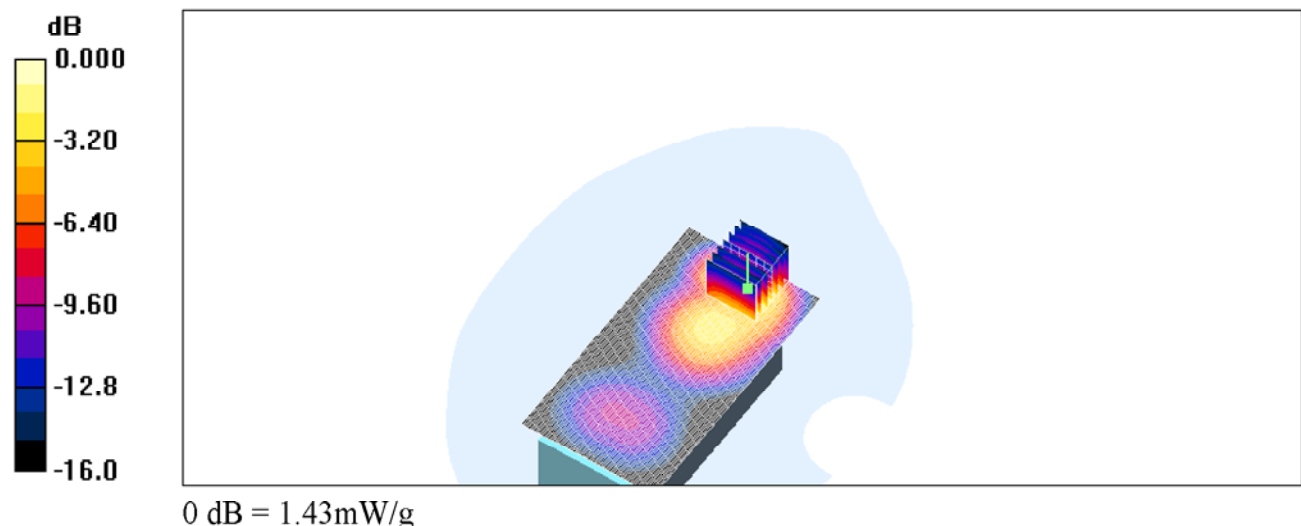
Telex III/Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5\text{mm}$, $dy=5\text{mm}$, $dz=5\text{mm}$

Reference Value = 20.1 V/m; Power Drift = -0.004 dB

Peak SAR (extrapolated) = 2.14 W/kg

SAR(1 g) = 1.27 mW/g; SAR(10 g) = 0.668 mW/g

Maximum value of SAR (measured) = 1.43 mW/g



Test Laboratory: ELECTRONIC TECHNOLOGY SYSTEMS DR. GENZ GMBH

DCS 1800 body 698 back belt clipp

DUT: Telex III ; Type: Telex III; Serial: Cardiomessenger II / Cardiomessenger VI/L

Communication System: GSM 1800; Frequency: 1747.4 MHz; Duty Cycle: 1:8

Medium: Muscle 1800 MHz Medium parameters used (interpolated): $f = 1747.4 \text{ MHz}$; $\sigma = 1.53 \text{ mho/m}$; $\epsilon_r = 54.4$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1711; ConvF(4.31, 4.31, 4.31); Calibrated: 11/21/2005
- Sensor-Surface: 4mm (Mechanical And Optical Surface Detection)
- Electronics: DAE3 Sn522; Calibrated: 11/23/2005
- Phantom: SAM 12; Type: TP-1217; Serial: QD000P40CA
- Measurement SW: DASY4, V4.6 Build 23; Postprocessing SW: SEMCAD, V1.8 Build 160

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

Maximum value of SAR (interpolated) = 0.921 mW/g

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

Reference Value = 21.9 V/m; Power Drift = 0.038 dB

Peak SAR (extrapolated) = 1.44 W/kg

SAR(1 g) = 0.849 mW/g; SAR(10 g) = 0.444 mW/g

Maximum value of SAR (measured) = 0.967 mW/g

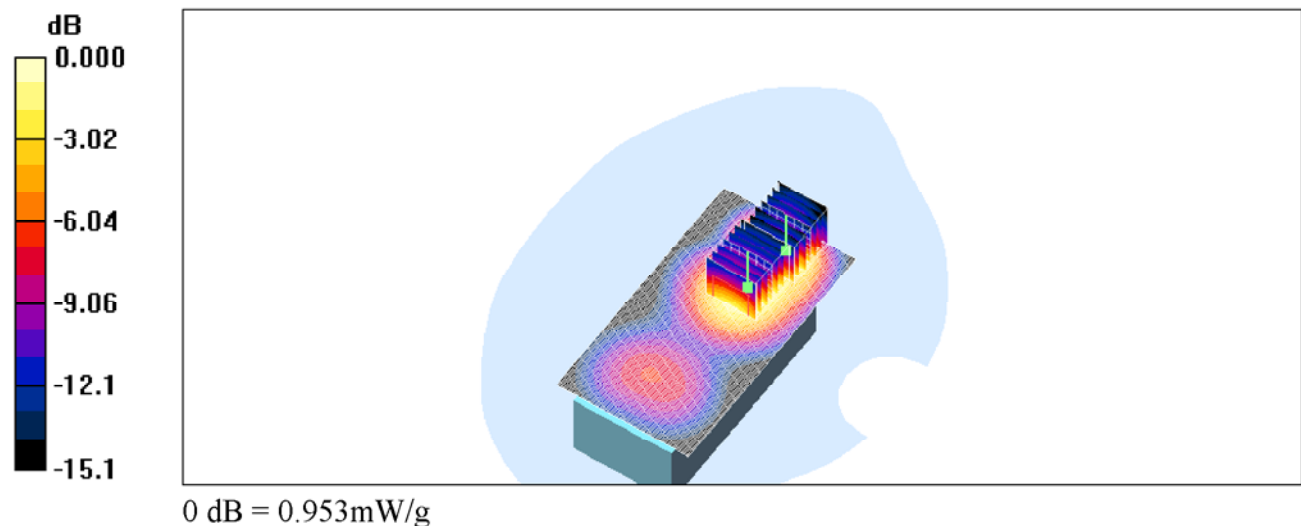
Telex III/Zoom Scan (7x7x7)/Cube 1: Measurement grid: $dx=5\text{mm}$, $dy=5\text{mm}$, $dz=5\text{mm}$

Reference Value = 21.9 V/m; Power Drift = 0.038 dB

Peak SAR (extrapolated) = 1.41 W/kg

SAR(1 g) = 0.869 mW/g; SAR(10 g) = 0.508 mW/g

Maximum value of SAR (measured) = 0.953 mW/g



Test Laboratory: ELECTRONIC TECHNOLOGY SYSTEMS DR. GENZ GMBH

DCS 1800 body 885 back belt clipp

DUT: Telex III ; Type: Telex III; Serial: Cardiomessenger II / Cardiomessenger VI/L

Communication System: GSM 1800; Frequency: 1784.8 MHz; Duty Cycle: 1:8

Medium: Muscle 1800 MHz Medium parameters used (interpolated): $f = 1784.8 \text{ MHz}$; $\sigma = 1.57 \text{ mho/m}$; $\epsilon_r = 54.3$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1711; ConvF(4.31, 4.31, 4.31); Calibrated: 11/21/2005
- Sensor-Surface: 4mm (Mechanical And Optical Surface Detection)
- Electronics: DAE3 Sn522; Calibrated: 11/23/2005
- Phantom: SAM 12; Type: TP-1217; Serial: QD000P40CA
- Measurement SW: DASY4, V4.6 Build 23; Postprocessing SW: SEMCAD, V1.8 Build 160

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

Maximum value of SAR (interpolated) = 0.889 mW/g

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

Reference Value = 21.2 V/m; Power Drift = 0.053 dB

Peak SAR (extrapolated) = 1.33 W/kg

SAR(1 g) = 0.799 mW/g; SAR(10 g) = 0.466 mW/g

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

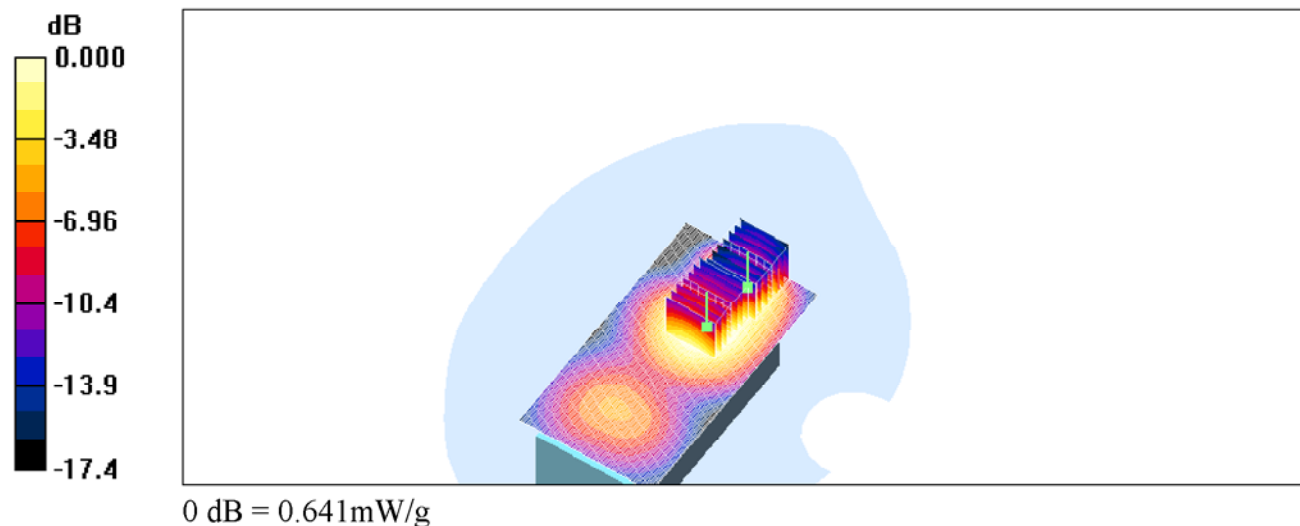
Telex III/Zoom Scan (7x7x7)/Cube 1: Measurement grid: $dx=5\text{mm}$, $dy=5\text{mm}$, $dz=5\text{mm}$

Reference Value = 21.2 V/m; Power Drift = 0.053 dB

Peak SAR (extrapolated) = 0.955 W/kg

SAR(1 g) = 0.556 mW/g; SAR(10 g) = 0.291 mW/g

Maximum value of SAR (measured) = 0.641 mW/g



Test Laboratory: ELECTRONIC TECHNOLOGY SYSTEMS DR. GENZ GMBH

GSM 1900 body 512 back belt clipp

DUT: Telex III ; Type: Telex III; Serial: Cardiomessenger II / Cardiomessenger VI/L

Communication System: GSM 1900; Frequency: 1850.2 MHz; Duty Cycle: 1:8

Medium: Muscle 1900 MHz Medium parameters used: $f = 1850.2 \text{ MHz}$; $\sigma = 1.51 \text{ mho/m}$; $\epsilon_r = 52$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1711; ConvF(4.31, 4.31, 4.31); Calibrated: 11/21/2005
- Sensor-Surface: 4mm (Mechanical And Optical Surface Detection)
- Electronics: DAE3 Sn522; Calibrated: 11/23/2005
- Phantom: SAM 12; Type: TP-1217; Serial: QD000P40CA
- Measurement SW: DASY4, V4.6 Build 23; Postprocessing SW: SEMCAD, V1.8 Build 160

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

Maximum value of SAR (interpolated) = 0.819 mW/g

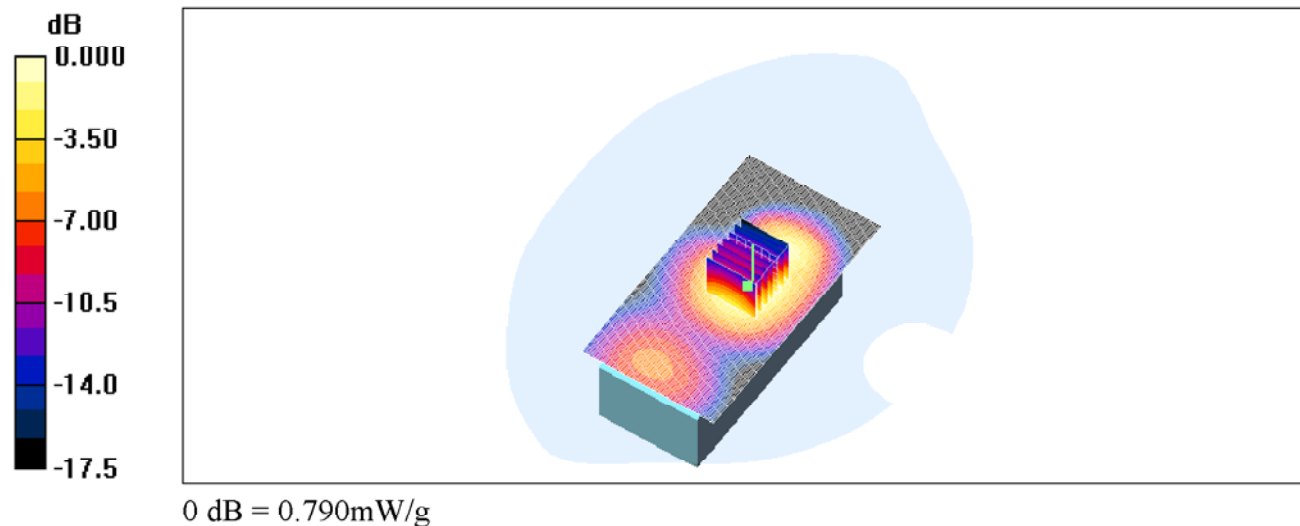
Telex III/Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5\text{mm}$, $dy=5\text{mm}$, $dz=5\text{mm}$

Reference Value = 21.3 V/m ; Power Drift = -0.008 dB

Peak SAR (extrapolated) = 1.23 W/kg

SAR(1 g) = 0.726 mW/g ; SAR(10 g) = 0.429 mW/g

Maximum value of SAR (measured) = 0.790 mW/g



Test Laboratory: ELECTRONIC TECHNOLOGY SYSTEMS DR. GENZ GMBH

GSM 1900 body 661 back belt clipp

DUT: Telex III ; Type: Telex III; Serial: Cardiomessenger II / Cardiomessenger VI/L

Communication System: GSM 1900; Frequency: 1880 MHz; Duty Cycle: 1:8

Medium: Muscle 1900 MHz Medium parameters used: $f = 1880 \text{ MHz}$; $\sigma = 1.55 \text{ mho/m}$; $\epsilon_r = 51.9$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1711; ConvF(4.31, 4.31, 4.31); Calibrated: 11/21/2005
- Sensor-Surface: 4mm (Mechanical And Optical Surface Detection)
- Electronics: DAE3 Sn522; Calibrated: 11/23/2005
- Phantom: SAM 12; Type: TP-1217; Serial: QD000P40CA
- Measurement SW: DASY4, V4.6 Build 23; Postprocessing SW: SEMCAD, V1.8 Build 160

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

Maximum value of SAR (interpolated) = 1.05 mW/g

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

Reference Value = 22.7 V/m ; Power Drift = 0.043 dB

Peak SAR (extrapolated) = 1.45 W/kg

SAR(1 g) = 0.914 mW/g ; SAR(10 g) = 0.538 mW/g

Maximum value of SAR (measured) = 1.02 mW/g

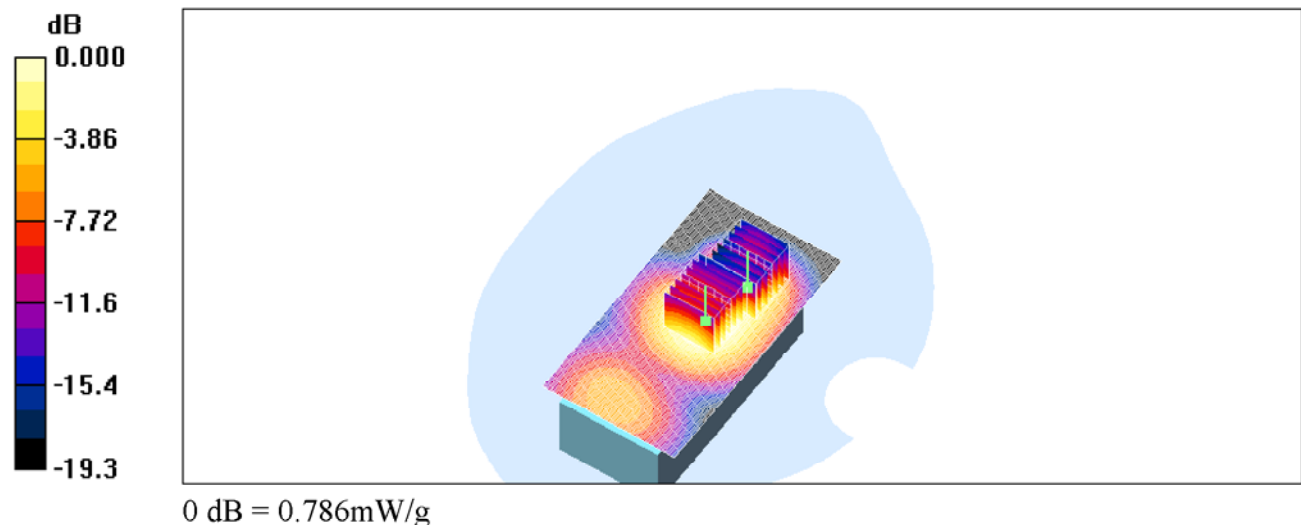
Telex III/Zoom Scan (7x7x7)/Cube 1: Measurement grid: $dx=5\text{mm}$, $dy=5\text{mm}$, $dz=5\text{mm}$

Reference Value = 22.7 V/m ; Power Drift = 0.043 dB

Peak SAR (extrapolated) = 1.17 W/kg

SAR(1 g) = 0.675 mW/g ; SAR(10 g) = 0.349 mW/g

Maximum value of SAR (measured) = 0.786 mW/g



Test Laboratory: ELECTRONIC TECHNOLOGY SYSTEMS DR. GENZ GMBH

GSM 1900 body 810 back belt clipp

DUT: Telex III ; Type: Telex III; Serial: Cardiomessenger II / Cardiomessenger VI/L

Communication System: GSM 1900; Frequency: 1909.8 MHz; Duty Cycle: 1:8

Medium: Muscle 1900 MHz Medium parameters used: $f = 1909.8 \text{ MHz}$; $\sigma = 1.55 \text{ mho/m}$; $\epsilon_r = 51.9$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1711; ConvF(4.31, 4.31, 4.31); Calibrated: 11/21/2005
- Sensor-Surface: 4mm (Mechanical And Optical Surface Detection)
- Electronics: DAE3 Sn522; Calibrated: 11/23/2005
- Phantom: SAM 12; Type: TP-1217; Serial: QD000P40CA
- Measurement SW: DASY4, V4.6 Build 23; Postprocessing SW: SEMCAD, V1.8 Build 160

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

Maximum value of SAR (interpolated) = 1.02 mW/g

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

Reference Value = 22.0 V/m ; Power Drift = -0.085 dB

Peak SAR (extrapolated) = 1.52 W/kg

SAR(1 g) = 0.934 mW/g ; SAR(10 g) = 0.538 mW/g

Maximum value of SAR (measured) = 1.03 mW/g

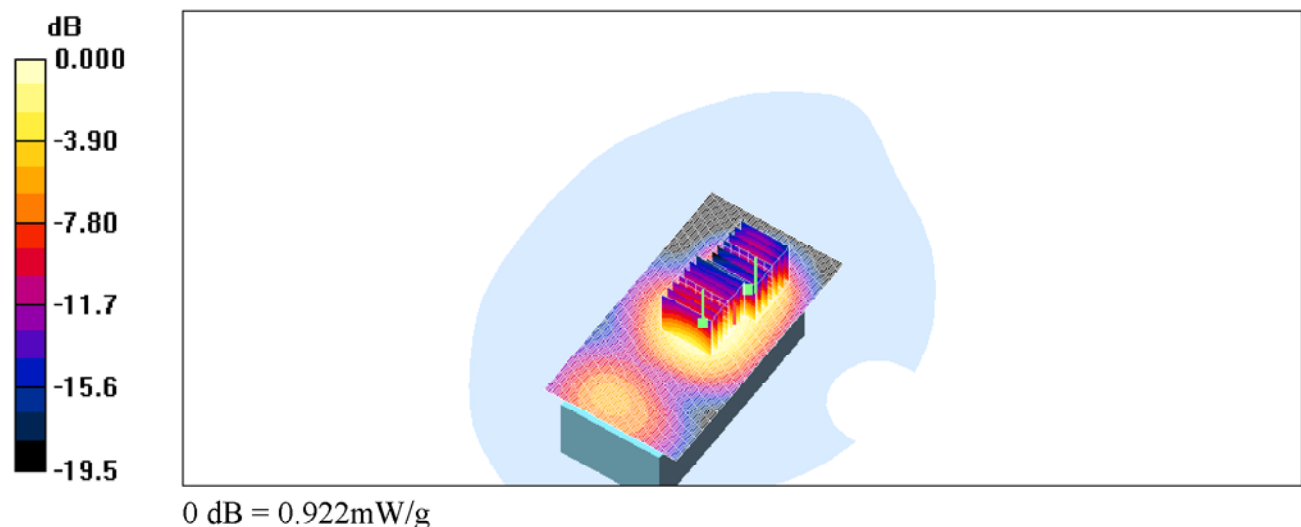
Telex III/Zoom Scan (7x7x7)/Cube 1: Measurement grid: $dx=5\text{mm}$, $dy=5\text{mm}$, $dz=5\text{mm}$

Reference Value = 22.0 V/m ; Power Drift = -0.085 dB

Peak SAR (extrapolated) = 1.42 W/kg

SAR(1 g) = 0.822 mW/g ; SAR(10 g) = 0.426 mW/g

Maximum value of SAR (measured) = 0.922 mW/g



Test Laboratory: ELECTRONIC TECHNOLOGY SYSTEMS DR. GENZ GMBH

GSM 1900 body 810 back belt clipp_z-axis

DUT: Telex III ; Type: Telex III; Serial: Cardiomessenger II / Cardiomessenger VI/L

Communication System: GSM 1900; Frequency: 1909.8 MHz; Duty Cycle: 1:8

Medium: Muscle 1900 MHz Medium parameters used: $f = 1909.8 \text{ MHz}$; $\sigma = 1.55 \text{ mho/m}$; $\epsilon_r = 51.9$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1711; ConvF(4.31, 4.31, 4.31); Calibrated: 11/21/2005
- Sensor-Surface: 4mm (Mechanical And Optical Surface Detection)
- Electronics: DAE3 Sn522; Calibrated: 11/23/2005
- Phantom: SAM 12; Type: TP-1217; Serial: QD000P40CA
- Measurement SW: DASY4, V4.6 Build 23; Postprocessing SW: SEMCAD, V1.8 Build 160

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

Maximum value of SAR (interpolated) = 1.02 mW/g

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

Reference Value = 22.0 V/m; Power Drift = -0.085 dB

Peak SAR (extrapolated) = 1.52 W/kg

SAR(1 g) = 0.934 mW/g; SAR(10 g) = 0.538 mW/g

Maximum value of SAR (measured) = 1.03 mW/g

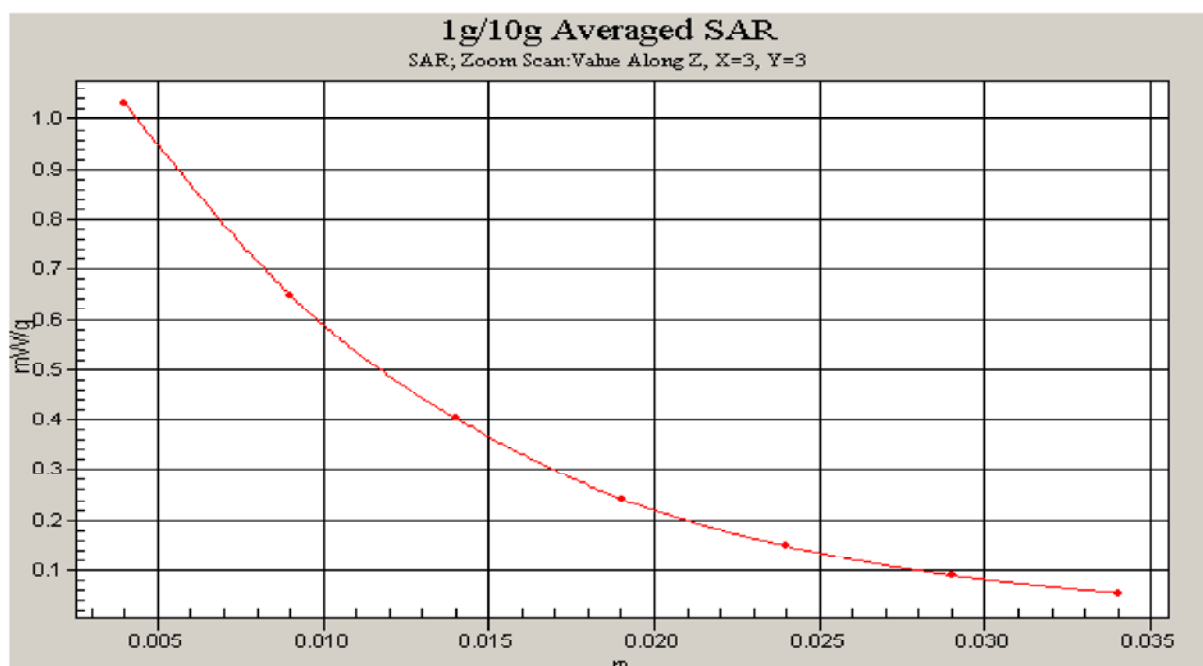
Telex III/Zoom Scan (7x7x7)/Cube 1: Measurement grid: $dx=5\text{mm}$, $dy=5\text{mm}$, $dz=5\text{mm}$

Reference Value = 22.0 V/m; Power Drift = -0.085 dB

Peak SAR (extrapolated) = 1.42 W/kg

SAR(1 g) = 0.822 mW/g; SAR(10 g) = 0.426 mW/g

Maximum value of SAR (measured) = 0.922 mW/g



Appendix C

Pictures

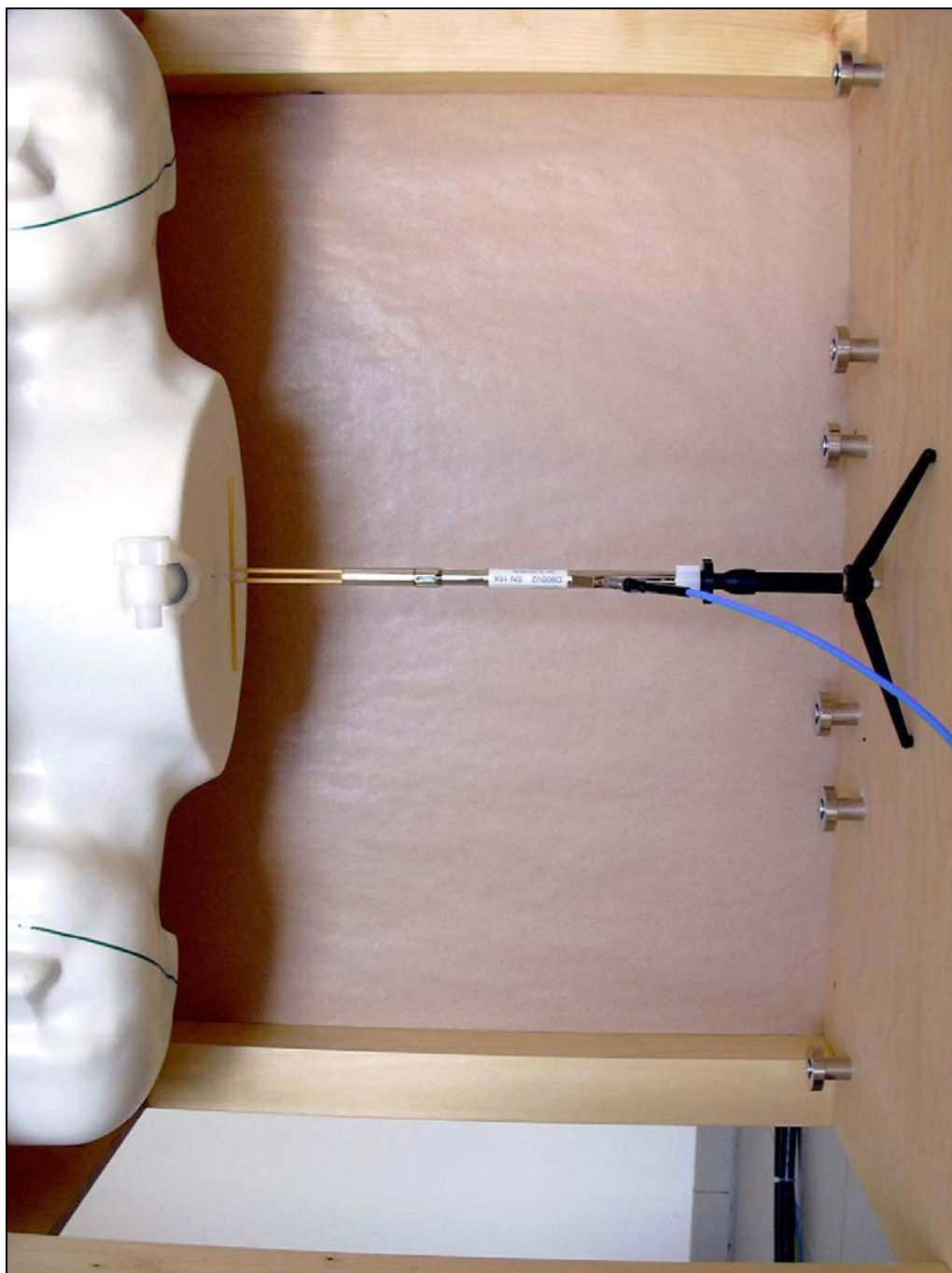
Appendix

C. Pictures

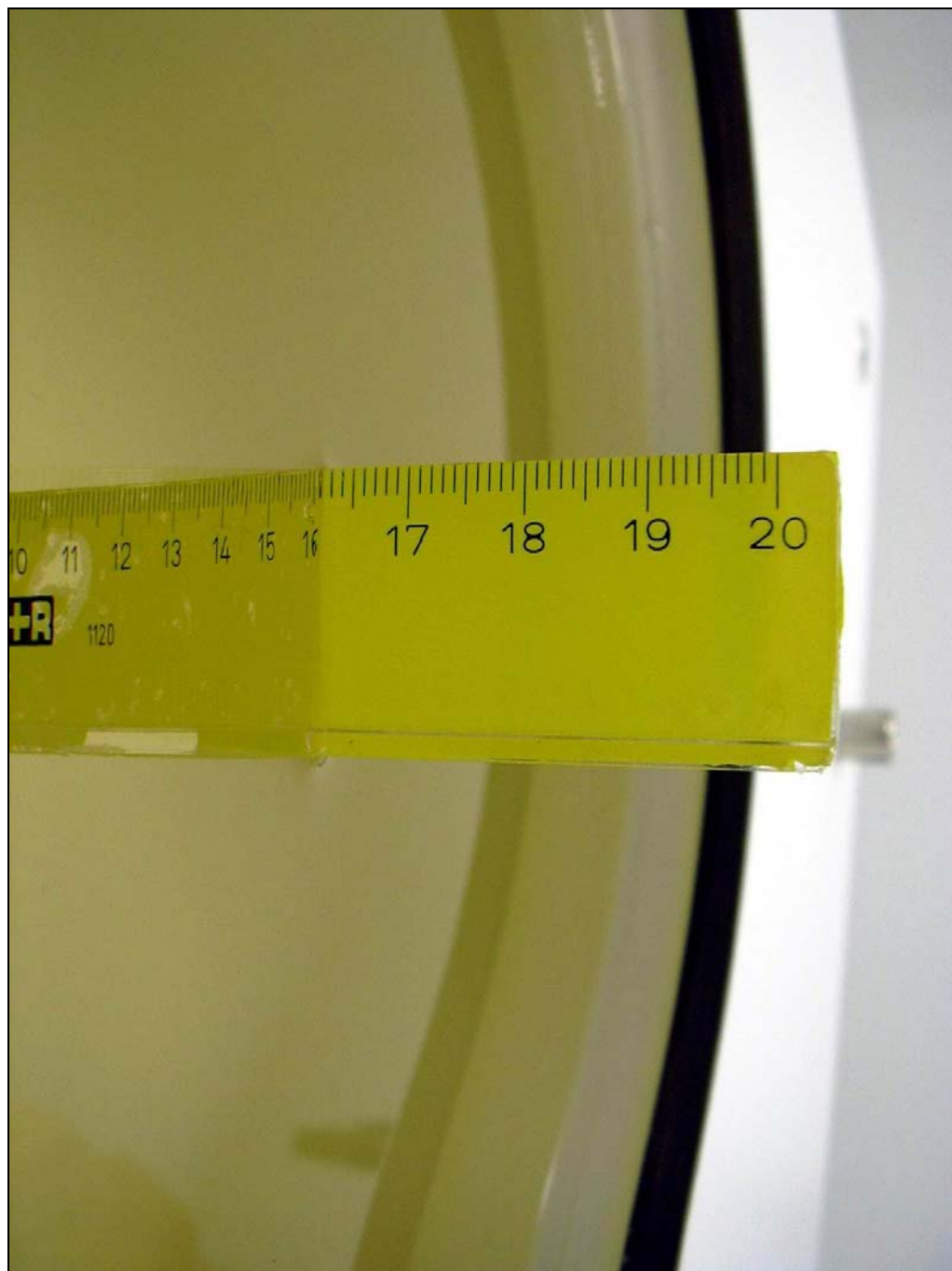




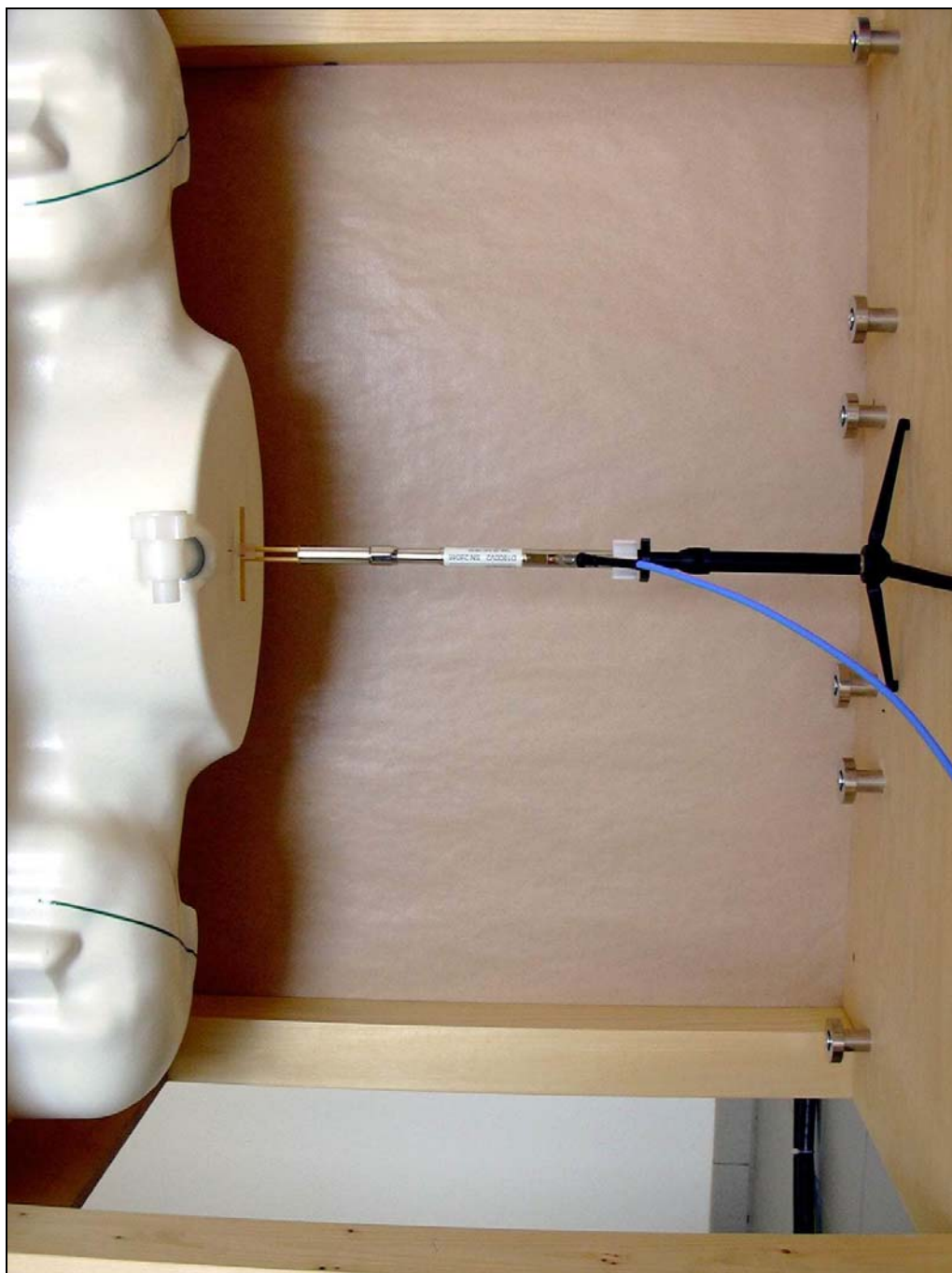
Valid 850



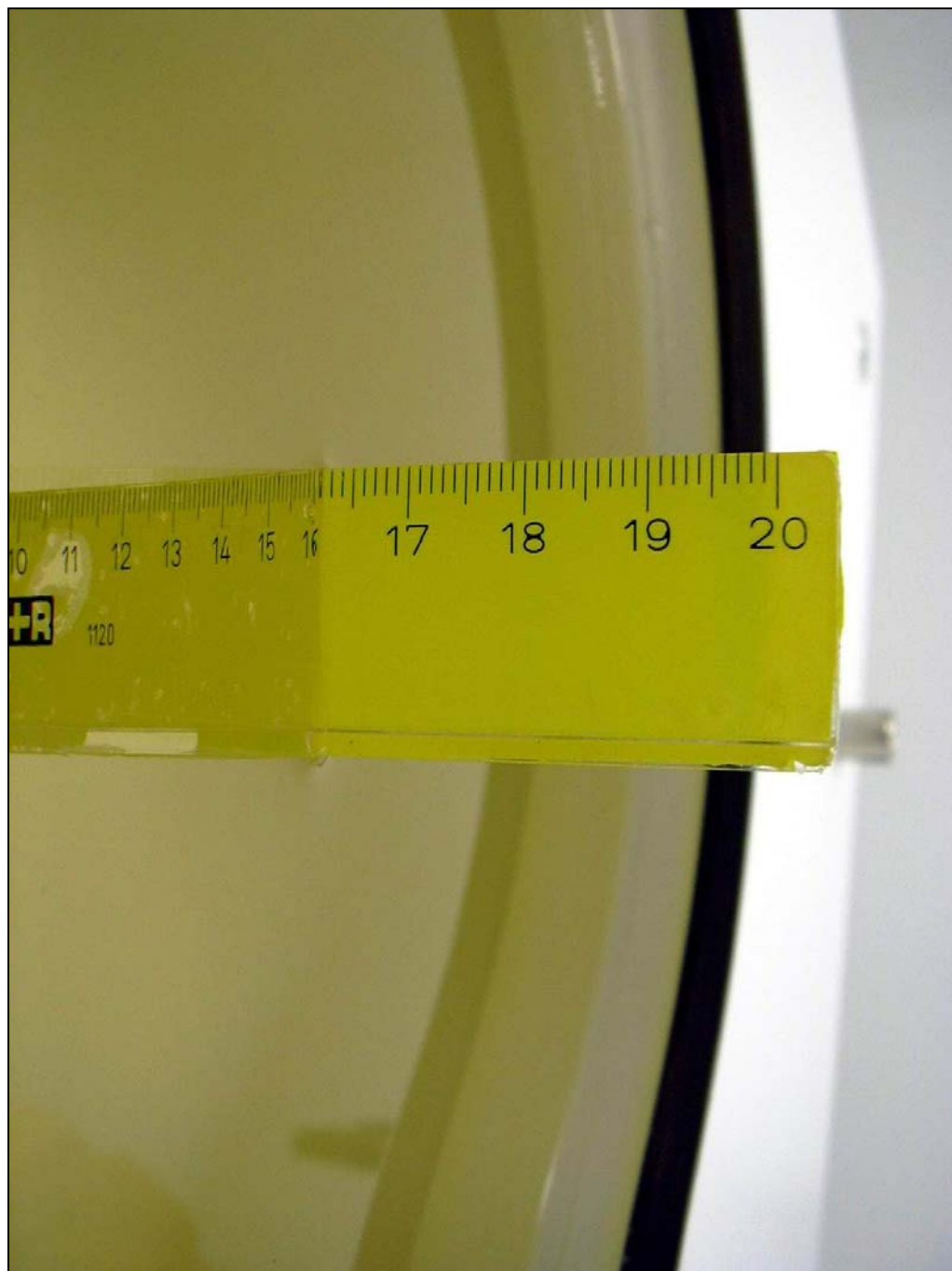
Liquid depth 850



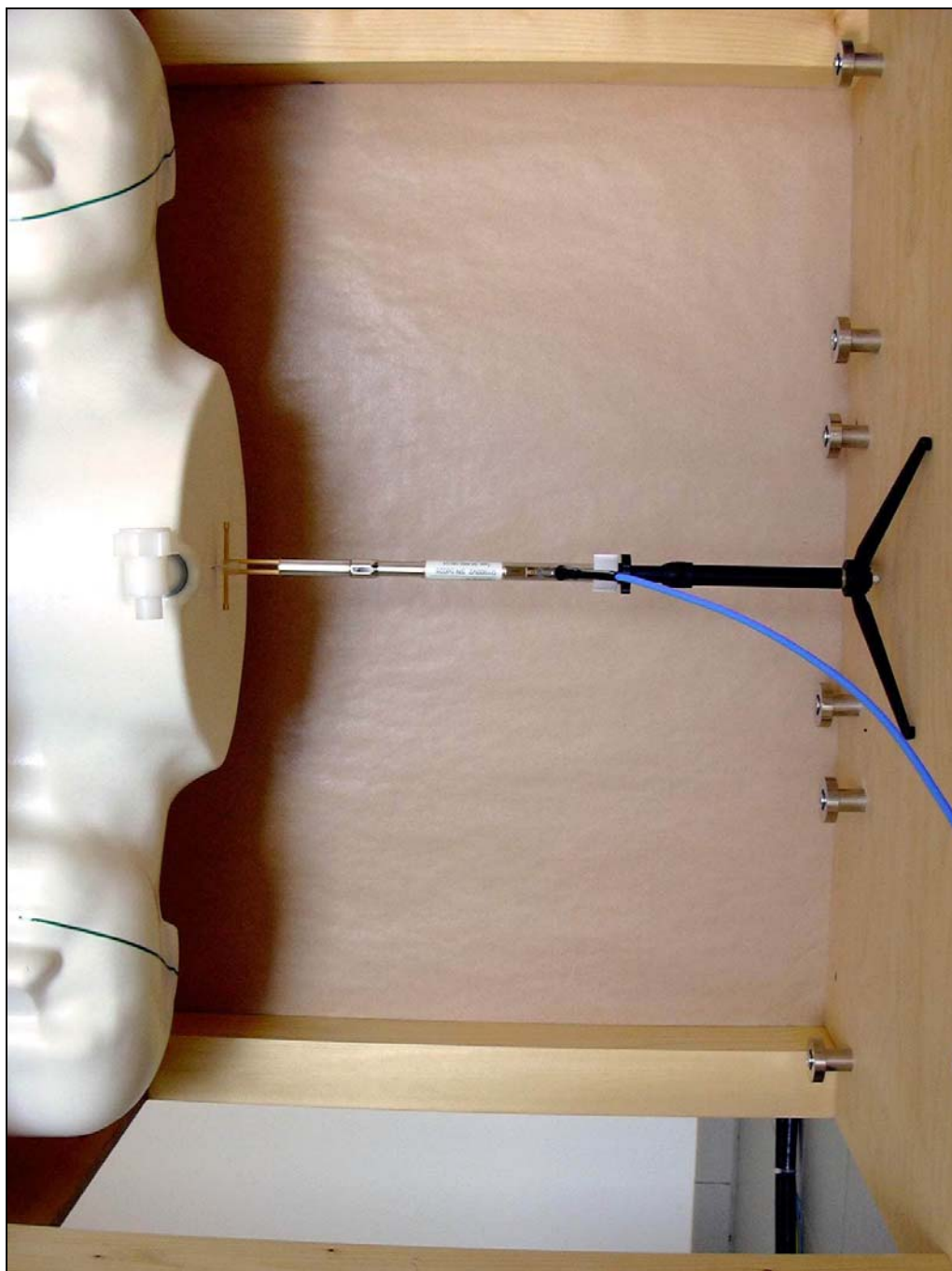
Valid 900



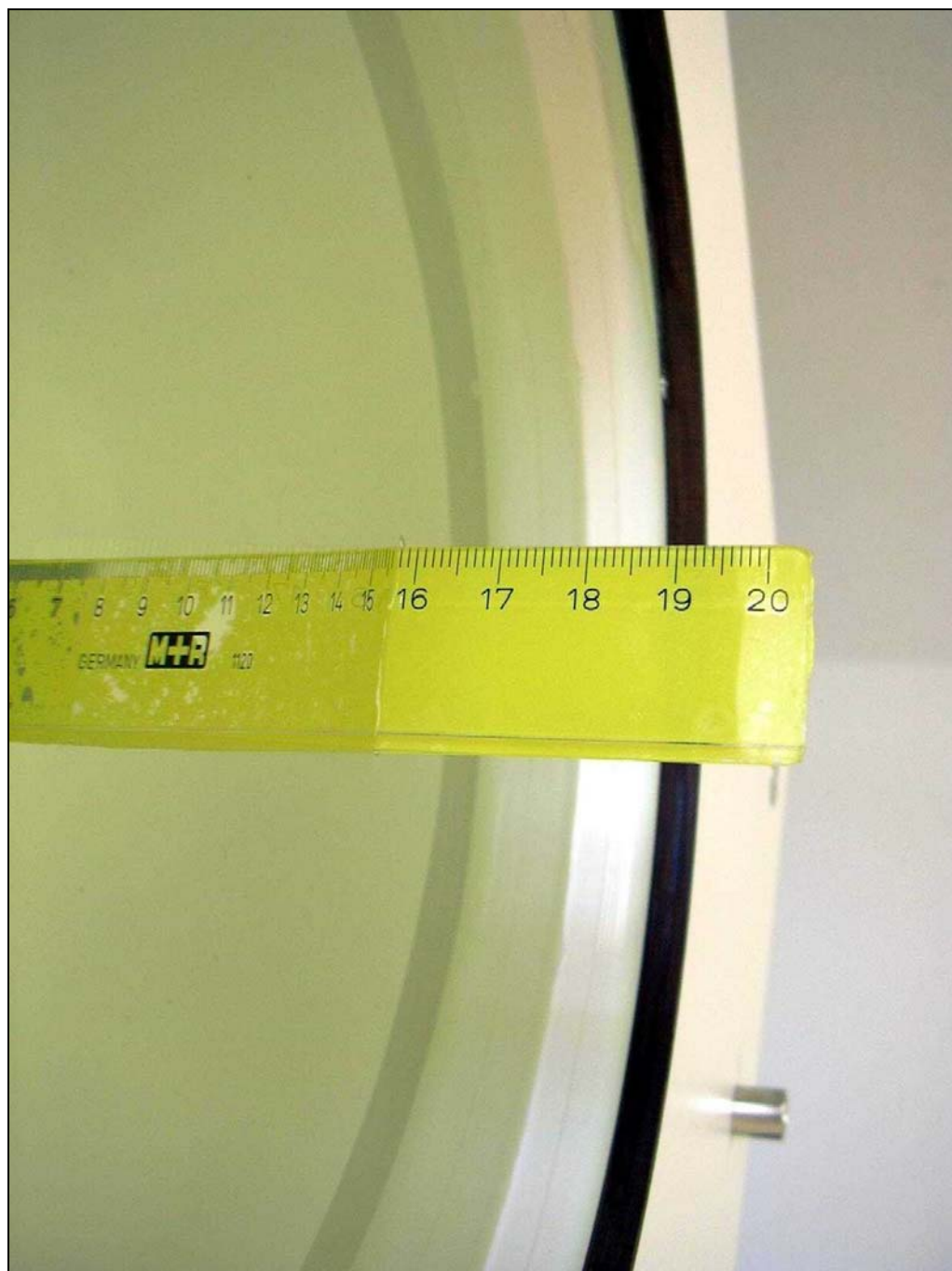
Liquid depth 900



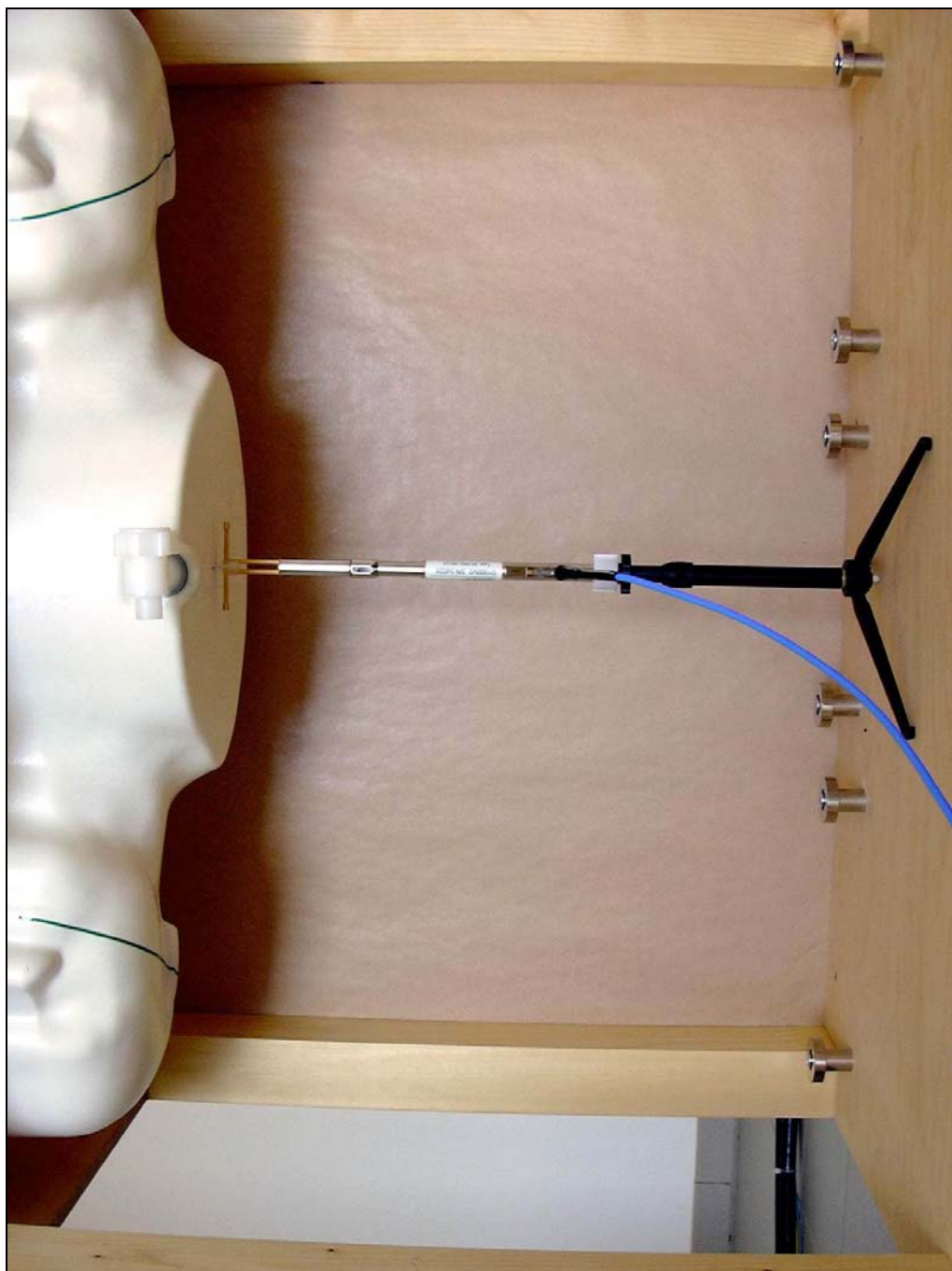
Valid 1800



Liquid depth 1800



Valid 1900



Liquid depth 1900

