

## Appendix B

### Measurement Plots

Test Laboratory: ETS PRODUCT SERVICE AG

### Dipol Valid.1900(h)\_250mW19.08.2008

**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) = 11.6 mW/g

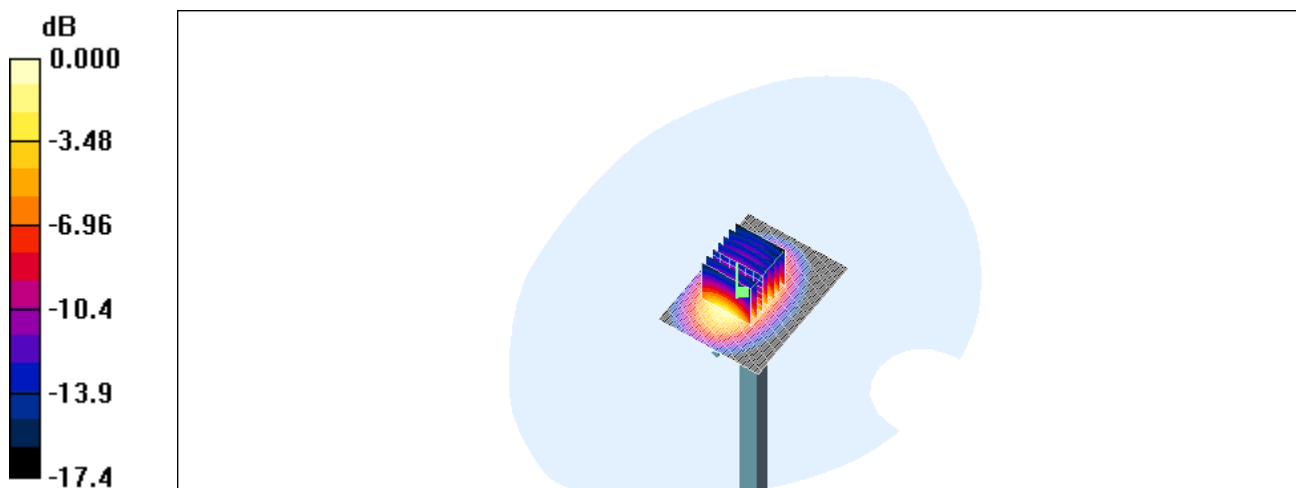
**Dipol 1900 (250mW)/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 87.0 V/m; Power Drift = -0.082 dB

Peak SAR (extrapolated) = 17.8 W/kg

**SAR(1 g) = 10.2 mW/g; SAR(10 g) = 5.38 mW/g**

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



0 dB = 11.4mW/g

Test Laboratory: ETS PRODUCT SERVICE AG

## Dipol Valid.1900(m)\_250mW21.2.2008

**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

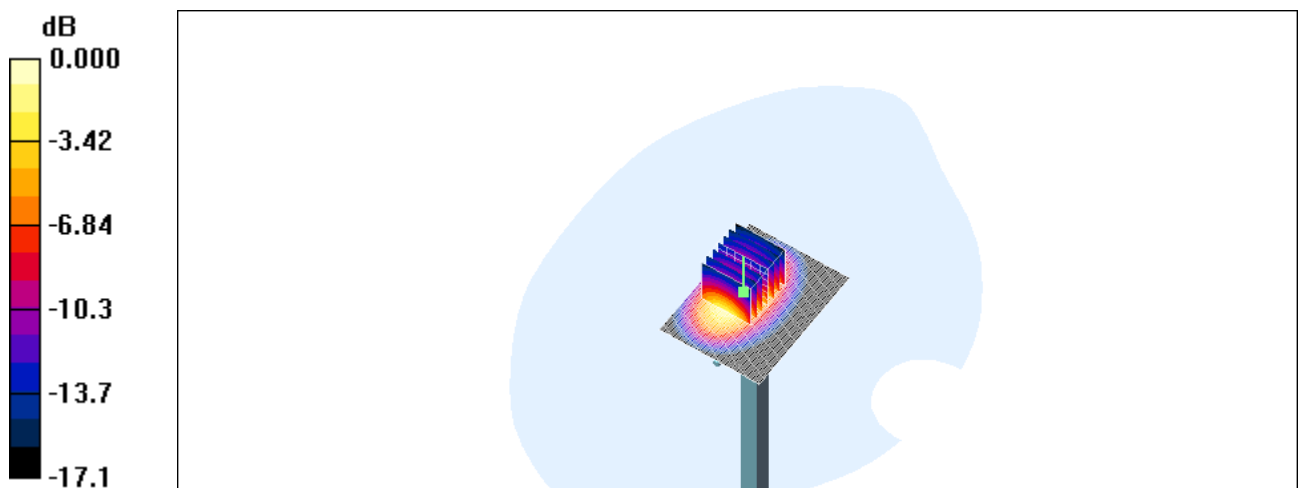
**Dipol 1900 (250mW)/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 72.5 V/m; Power Drift = -0.057 dB

Peak SAR (extrapolated) = 18.3 W/kg

**SAR(1 g) = 10.9 mW/g; SAR(10 g) = 5.83 mW/g**

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



0 dB = 12.5mW/g

Test Laboratory: ETS PRODUCT SERVICE AG

## left\_ch2\_cheek

**DUT: PP6N40 1G9; Type: UPCS handset (PP); Serial: -**

Communication System: UPCS single slot; Frequency: 1924.99 MHz; Duty Cycle: 1:24  
Medium: Head 1900 MHz Medium parameters used:  $f = 1924.99$  MHz;  $\sigma = 1.44$  mho/m;  $\epsilon_r = 39.7$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Phantom section: Left Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1711; ConvF(4.91, 4.91, 4.91); 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

**POLYCOM KIRK telecom ApS/Area Scan (71x131x1):** Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 0.277 mW/g

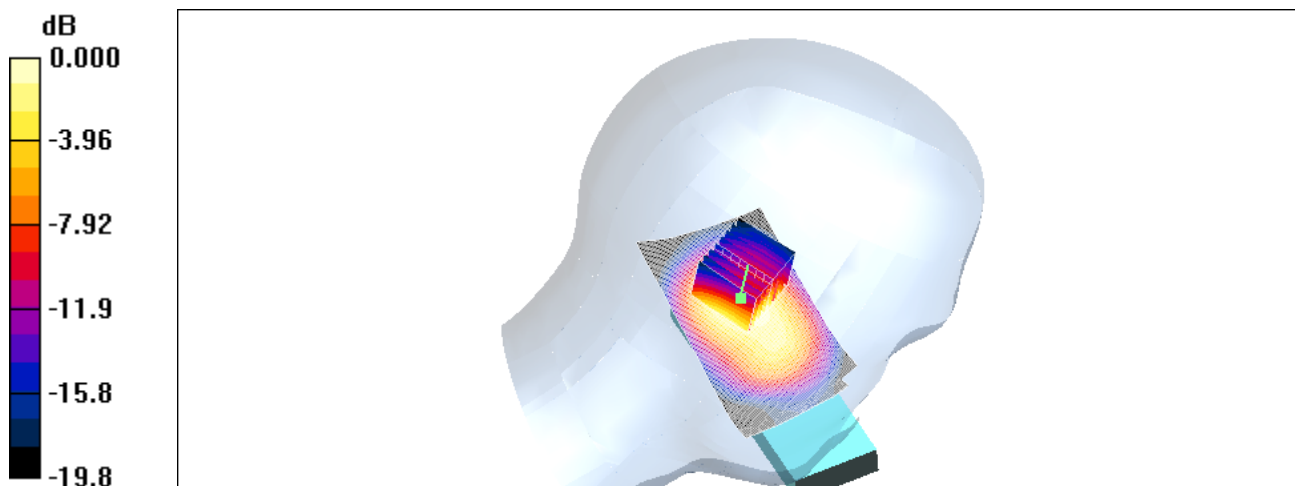
**POLYCOM KIRK telecom ApS/Zoom Scan (8x8x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 13.3 V/m; Power Drift = -0.028 dB

Peak SAR (extrapolated) = 0.359 W/kg

**SAR(1 g) = 0.201 mW/g; SAR(10 g) = 0.122 mW/g**

Maximum value of SAR (measured) = 0.223 mW/g



0 dB = 0.223mW/g

Test Laboratory: ETS PRODUCT SERVICE AG

## left\_ch2\_tilted

**DUT: PP6N40 1G9; Type: UPCS handset (PP); Serial: -**

Communication System: UPCS single slot; Frequency: 1924.99 MHz; Duty Cycle: 1:24  
Medium: Head 1900 MHz Medium parameters used:  $f = 1924.99$  MHz;  $\sigma = 1.44$  mho/m;  $\epsilon_r = 39.7$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Phantom section: Left Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1711; ConvF(4.91, 4.91, 4.91); 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

**POLYCOM KIRK telecom ApS/Area Scan (71x131x1):** Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 0.221 mW/g

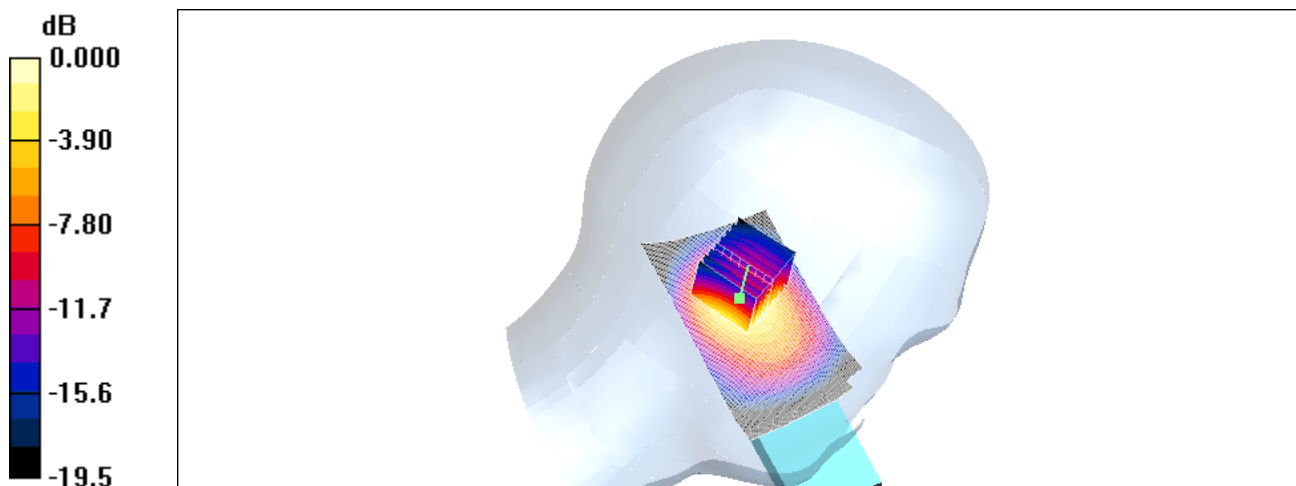
**POLYCOM KIRK telecom ApS/Zoom Scan (8x8x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 13.1 V/m; Power Drift = -0.011 dB

Peak SAR (extrapolated) = 0.32 W/kg

**SAR(1 g) = 0.195 mW/g; SAR(10 g) = 0.107 mW/g**

Maximum value of SAR (measured) = 0.215 mW/g



0 dB = 0.215mW/g

Test Laboratory: ETS PRODUCT SERVICE AG

### right\_ch4\_cheek

**DUT: PP6N40 1G9; Type: UPCS handset (PP); Serial: -**

Communication System: UPCS single slot; Frequency: 1921.54 MHz; Duty Cycle: 1:24  
Medium: Head 1900 MHz Medium parameters used:  $f = 1921.54$  MHz;  $\sigma = 1.44$  mho/m;  $\epsilon_r = 39.7$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Phantom section: Right Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1711; ConvF(4.91, 4.91, 4.91); 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

**POLYCOM KIRK telecom ApS/Area Scan (71x131x1):** Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 0.221 mW/g

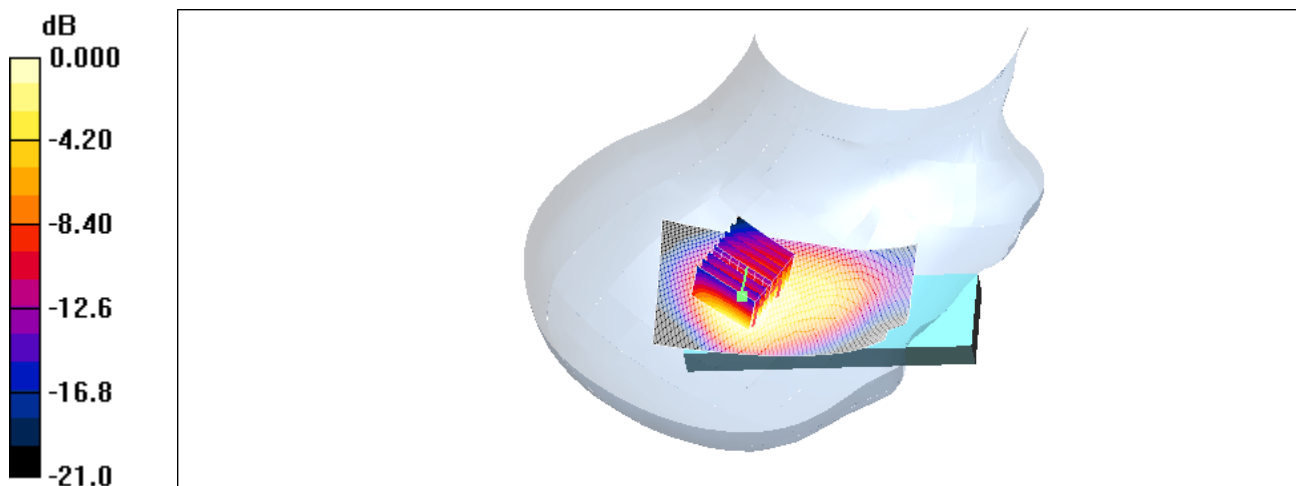
**POLYCOM KIRK telecom ApS/Zoom Scan (8x8x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 12.9 V/m; Power Drift = -0.050 dB

Peak SAR (extrapolated) = 0.328 W/kg

**SAR(1 g) = 0.195 mW/g; SAR(10 g) = 0.115 mW/g**

Maximum value of SAR (measured) = 0.211 mW/g



0 dB = 0.211mW/g

Test Laboratory: ETS PRODUCT SERVICE AG

## right\_ch2\_cheek

**DUT: PP6N40 1G9; Type: UPCS handset (PP); Serial: -**

Communication System: UPCS single slot; Frequency: 1924.99 MHz; Duty Cycle: 1:24  
Medium: Head 1900 MHz Medium parameters used:  $f = 1924.99$  MHz;  $\sigma = 1.44$  mho/m;  $\epsilon_r = 39.7$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Phantom section: Right Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1711; ConvF(4.91, 4.91, 4.91); 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

**POLYCOM KIRK telecom ApS/Area Scan (71x131x1):** Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 0.231 mW/g

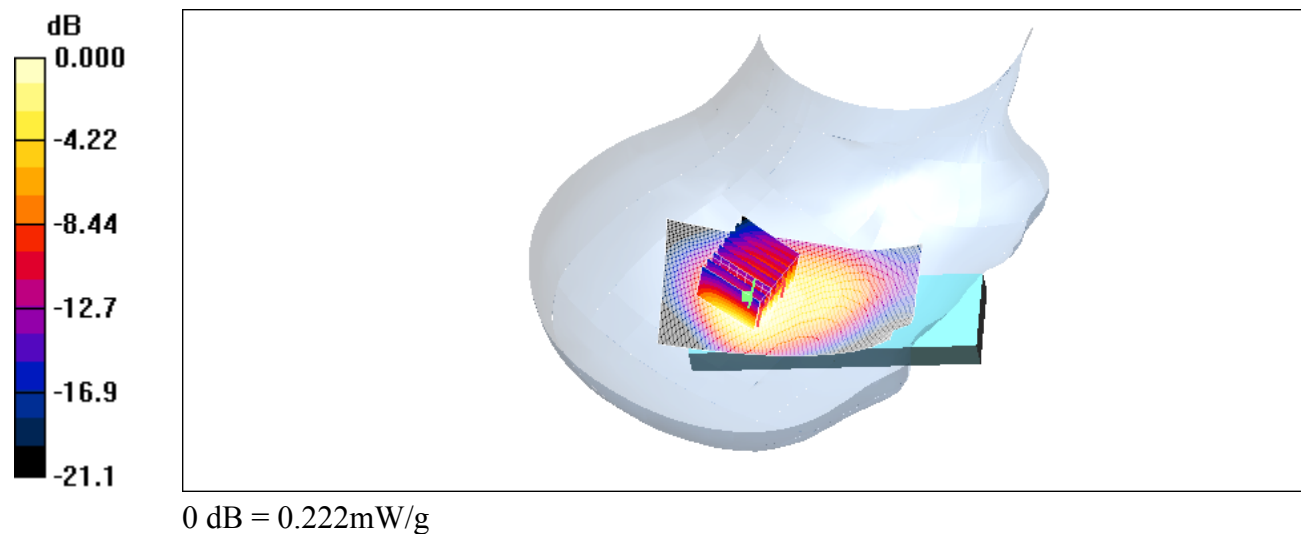
**POLYCOM KIRK telecom ApS/Zoom Scan (8x8x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 13.4 V/m; Power Drift = -0.088 dB

Peak SAR (extrapolated) = 0.350 W/kg

**SAR(1 g) = 0.206 mW/g; SAR(10 g) = 0.121 mW/g**

Maximum value of SAR (measured) = 0.222 mW/g



Test Laboratory: ETS PRODUCT SERVICE AG

### right\_ch2\_tilted

**DUT: PP6N40 1G9; Type: UPCS handset (PP); Serial: -**

Communication System: UPCS single slot; Frequency: 1924.99 MHz; Duty Cycle: 1:24  
Medium: Head 1900 MHz Medium parameters used:  $f = 1924.99$  MHz;  $\sigma = 1.44$  mho/m;  $\epsilon_r = 39.7$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Phantom section: Right Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1711; ConvF(4.91, 4.91, 4.91); 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

**POLYCOM KIRK telecom ApS/Area Scan (71x131x1):** Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 0.219 mW/g

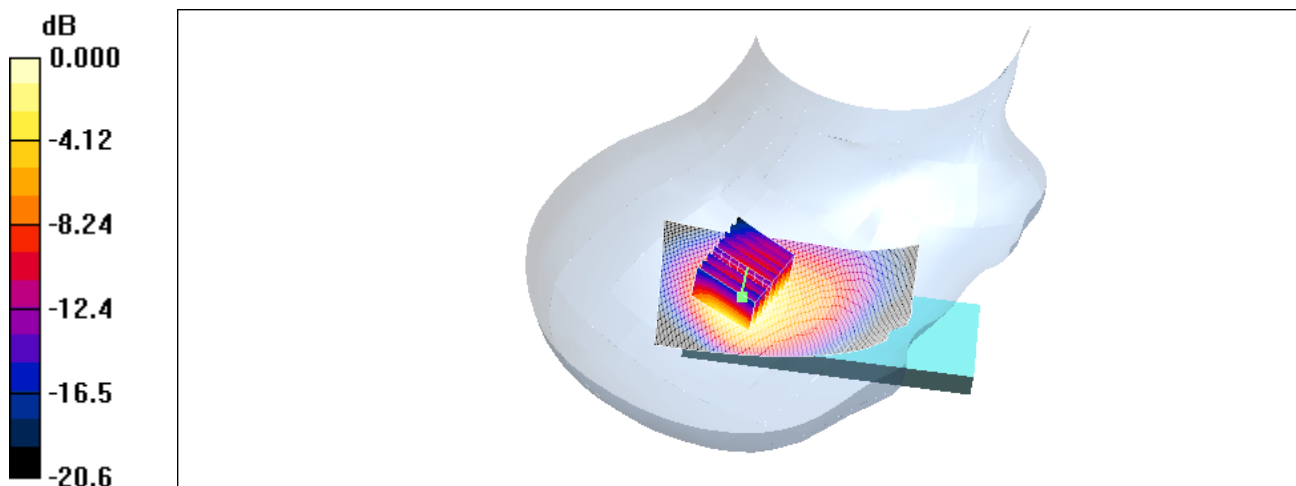
**POLYCOM KIRK telecom ApS/Zoom Scan (8x8x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 13.1 V/m; Power Drift = -0.028 dB

Peak SAR (extrapolated) = 0.322 W/kg

**SAR(1 g) = 0.197 mW/g; SAR(10 g) = 0.111 mW/g**

Maximum value of SAR (measured) = 0.217 mW/g



0 dB = 0.217mW/g



Test Laboratory: ETS PRODUCT SERVICE AG

### right\_ch0\_cheek

**DUT: PP6N40 1G9; Type: UPCS handset (PP); Serial: -**

Communication System: UPCS single slot; Frequency: 1928.45 MHz; Duty Cycle: 1:24  
Medium: Head 1900 MHz Medium parameters used:  $f = 1928.45$  MHz;  $\sigma = 1.45$  mho/m;  $\epsilon_r = 39.6$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Phantom section: Right Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1711; ConvF(4.91, 4.91, 4.91); 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

**POLYCOM KIRK telecom ApS/Area Scan (71x131x1):** Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 0.226 mW/g

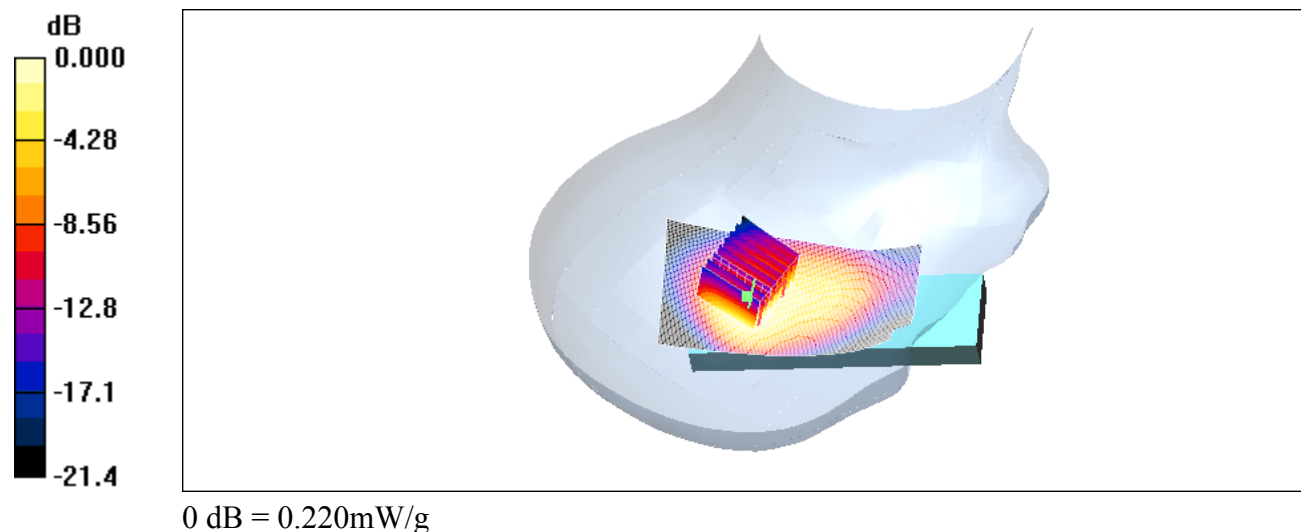
**POLYCOM KIRK telecom ApS/Zoom Scan (8x8x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 13.1 V/m; Power Drift = -0.095 dB

Peak SAR (extrapolated) = 0.343 W/kg

**SAR(1 g) = 0.204 mW/g; SAR(10 g) = 0.120 mW/g**

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



Test Laboratory: ETS PRODUCT SERVICE AG

## Flat\_back\_ch4

**DUT: PP6N40 1G9; Type: UPCS handset (PP); Serial: -**

Communication System: UPCS single slot; Frequency: 1921.54 MHz; Duty Cycle: 1:24  
Medium: Head 1900 MHz Medium parameters used:  $f = 1921.54$  MHz;  $\sigma = 1.44$  mho/m;  $\epsilon_r = 39.7$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Phantom section: Flat Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1711; ConvF(4.91, 4.91, 4.91); 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

**POLYCOM KIRK telecom ApS/Area Scan (71x181x1):** Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 0.358 mW/g

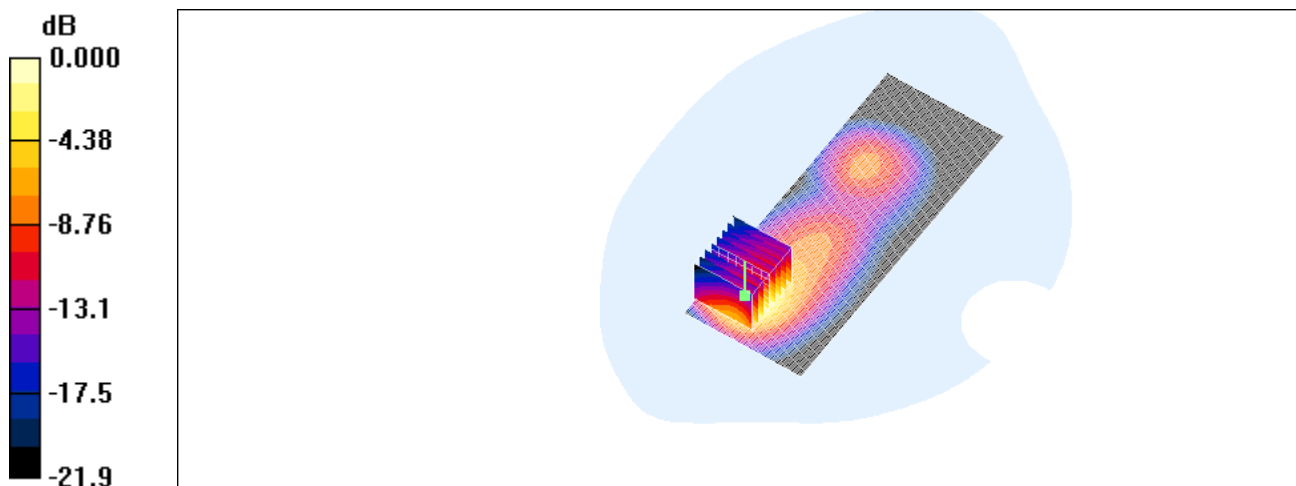
**POLYCOM KIRK telecom ApS/Zoom Scan (8x8x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 4.85 V/m; Power Drift = -0.004 dB

Peak SAR (extrapolated) = 0.568 W/kg

**SAR(1 g) = 0.308 mW/g; SAR(10 g) = 0.161 mW/g**

Maximum value of SAR (measured) = 0.342 mW/g



0 dB = 0.342mW/g

Test Laboratory: ETS PRODUCT SERVICE AG

## Flat\_back\_ch2

**DUT: PP6N40 1G9; Type: UPCS handset (PP); Serial: -**

Communication System: UPCS single slot; Frequency: 1924.99 MHz; Duty Cycle: 1:24  
Medium: Head 1900 MHz Medium parameters used:  $f = 1924.99$  MHz;  $\sigma = 1.44$  mho/m;  $\epsilon_r = 39.7$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Phantom section: Flat Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1711; ConvF(4.91, 4.91, 4.91); 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

**POLYCOM KIRK telecom ApS/Area Scan (71x181x1):** Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 0.386 mW/g

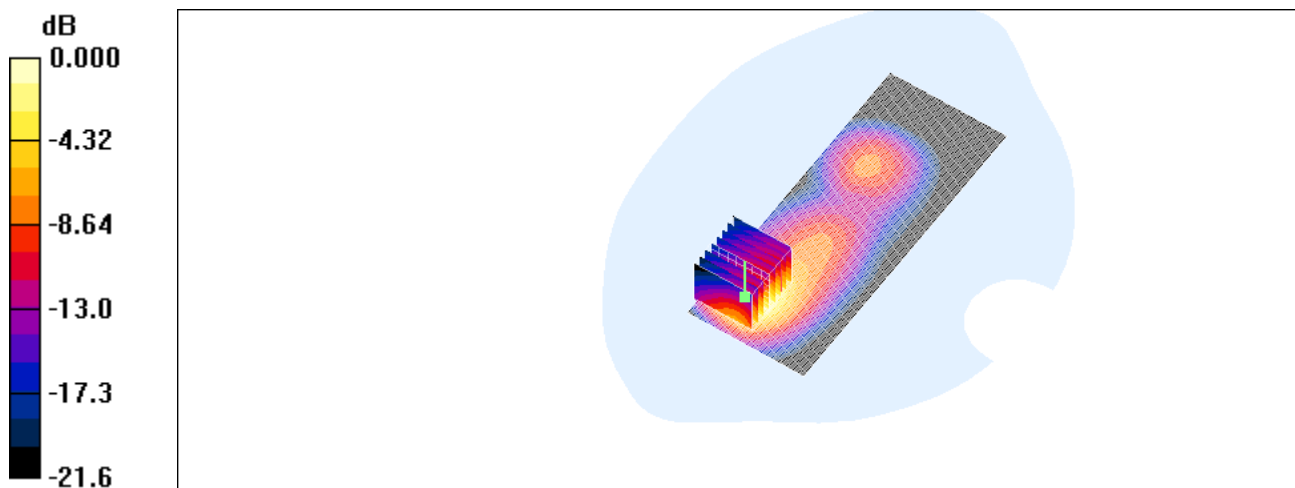
**POLYCOM KIRK telecom ApS/Zoom Scan (8x8x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 4.95 V/m; Power Drift = -0.087 dB

Peak SAR (extrapolated) = 0.610 W/kg

**SAR(1 g) = 0.330 mW/g; SAR(10 g) = 0.173 mW/g**

Maximum value of SAR (measured) = 0.365 mW/g



0 dB = 0.365mW/g

Test Laboratory: ETS PRODUCT SERVICE AG

## Flat\_front\_ch2

**DUT: PP6N40 1G9; Type: UPCS handset (PP); Serial: -**

Communication System: UPCS single slot; Frequency: 1924.99 MHz; Duty Cycle: 1:24  
Medium: Head 1900 MHz Medium parameters used:  $f = 1924.99$  MHz;  $\sigma = 1.44$  mho/m;  $\epsilon_r = 39.7$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Phantom section: Flat Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1711; ConvF(4.91, 4.91, 4.91); 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

**POLYCOM KIRK telecom ApS/Area Scan (71x181x1):** Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 0.260 mW/g

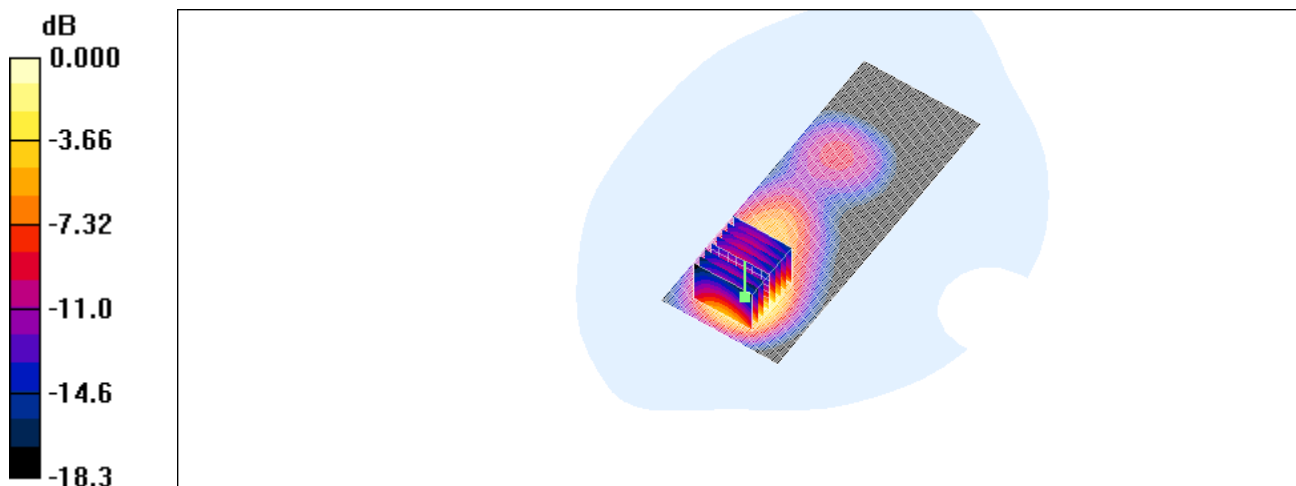
**POLYCOM KIRK telecom ApS/Zoom Scan (8x8x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 3.26 V/m; Power Drift = -0.068 dB

Peak SAR (extrapolated) = 0.407 W/kg

**SAR(1 g) = 0.230 mW/g; SAR(10 g) = 0.128 mW/g**

Maximum value of SAR (measured) = 0.251 mW/g



0 dB = 0.251mW/g

Test Laboratory: ETS PRODUCT SERVICE AG

## Flat\_back\_ch0

**DUT: PP6N40 1G9; Type: UPCS handset (PP); Serial: -**

Communication System: UPCS single slot; Frequency: 1928.45 MHz; Duty Cycle: 1:24  
Medium: Head 1900 MHz Medium parameters used:  $f = 1928.45$  MHz;  $\sigma = 1.45$  mho/m;  $\epsilon_r = 39.6$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Phantom section: Flat Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1711; ConvF(4.91, 4.91, 4.91); 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

**POLYCOM KIRK telecom ApS/Area Scan (71x181x1):** Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 0.376 mW/g

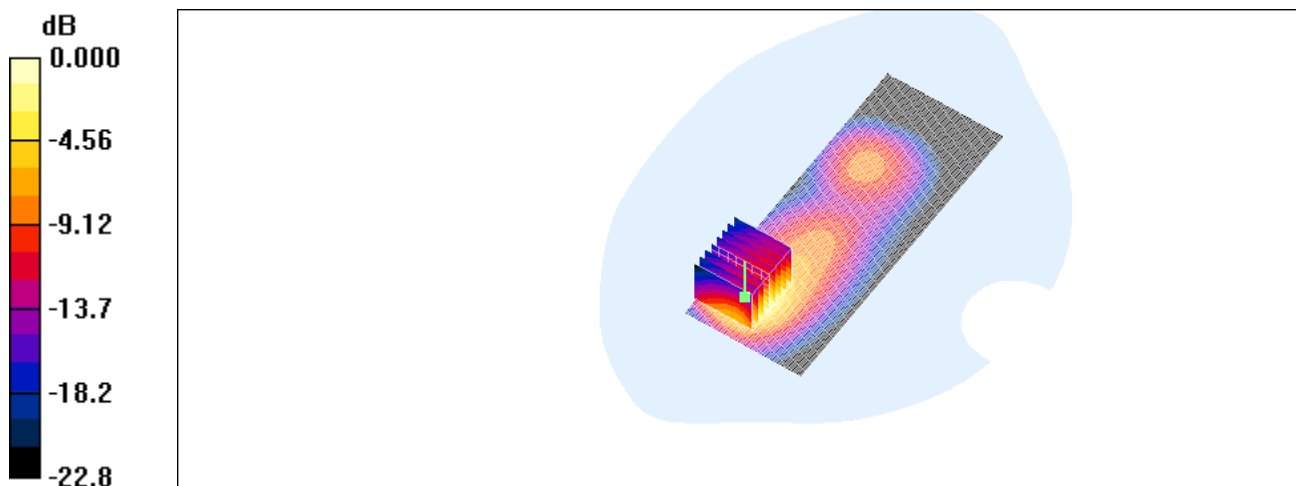
**POLYCOM KIRK telecom ApS/Zoom Scan (8x8x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 4.94 V/m; Power Drift = -0.006 dB

Peak SAR (extrapolated) = 0.601 W/kg

**SAR(1 g) = 0.322 mW/g; SAR(10 g) = 0.168 mW/g**

Maximum value of SAR (measured) = 0.358 mW/g



0 dB = 0.358mW/g

Test Laboratory: ETS PRODUCT SERVICE AG

## Flat\_back\_ch2\_z-axis-scan

**DUT: PP6N40 1G9; Type: UPCS handset (PP); Serial: -**

Communication System: UPCS single slot; Frequency: 1924.99 MHz; Duty Cycle: 1:24  
 Medium: Head 1900 MHz Medium parameters used:  $f = 1924.99$  MHz;  $\sigma = 1.44$  mho/m;  $\epsilon_r = 39.7$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
 Phantom section: Flat Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1711; ConvF(4.91, 4.91, 4.91); 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

**POLYCOM KIRK telecom ApS/Area Scan (71x181x1):** Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 0.386 mW/g

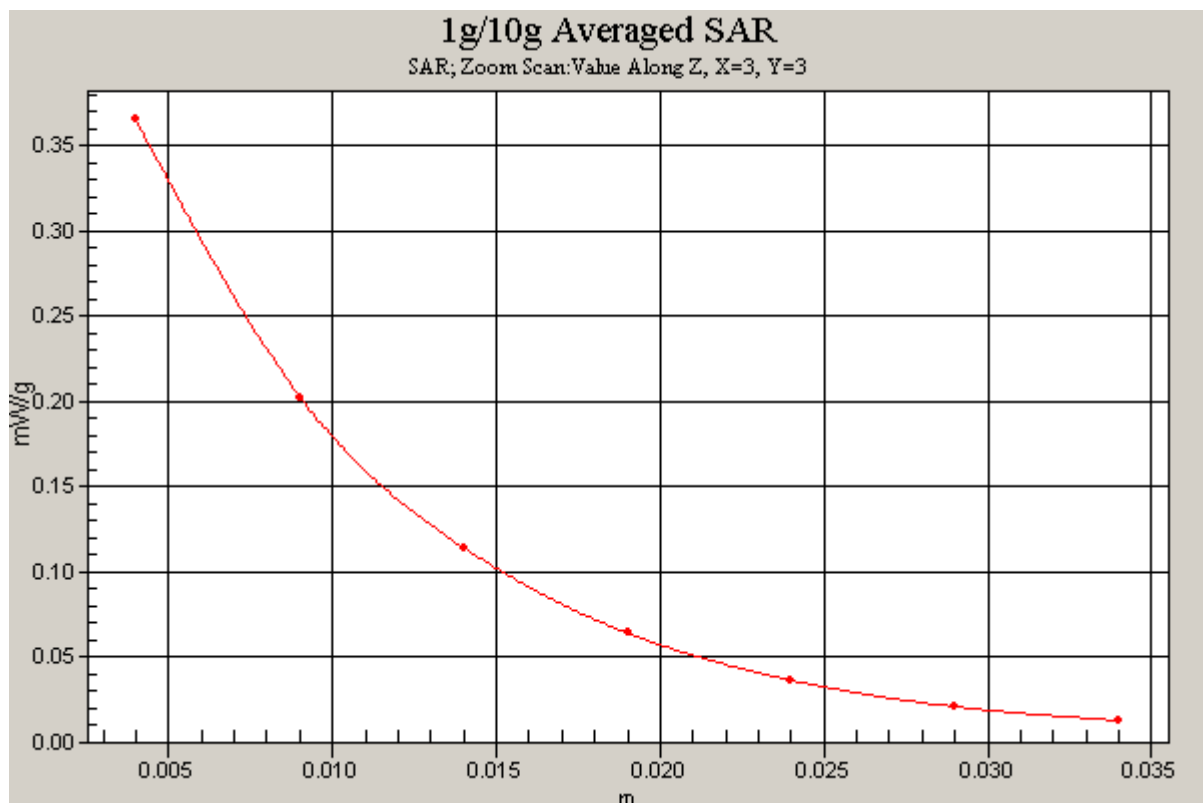
**POLYCOM KIRK telecom ApS/Zoom Scan (8x8x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 4.95 V/m; Power Drift = -0.087 dB

Peak SAR (extrapolated) = 0.610 W/kg

**SAR(1 g) = 0.330 mW/g; SAR(10 g) = 0.173 mW/g**

Maximum value of SAR (measured) = 0.365 mW/g



## Appendix C

### Pictures

## Appendix

### C. Pictures



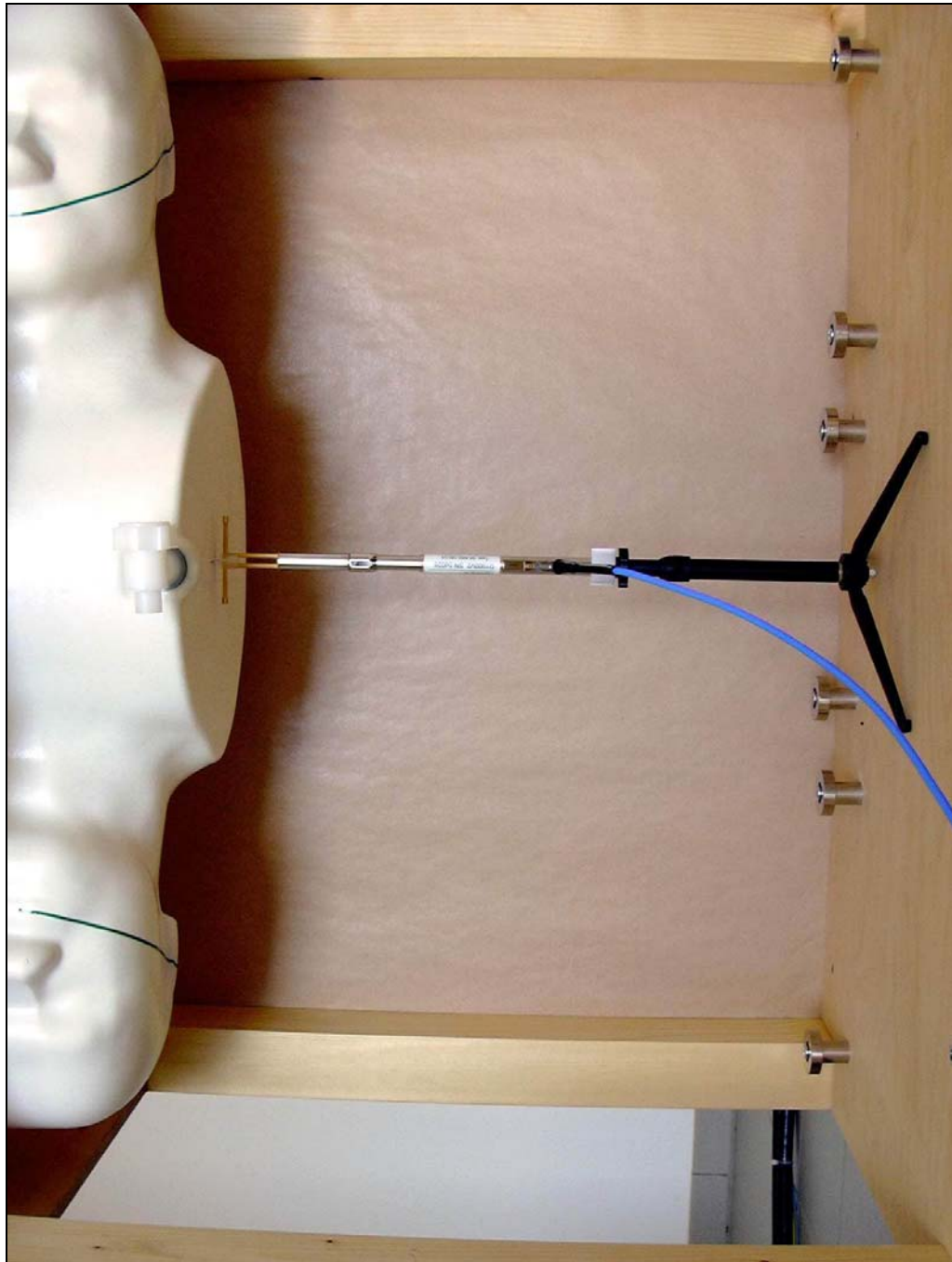


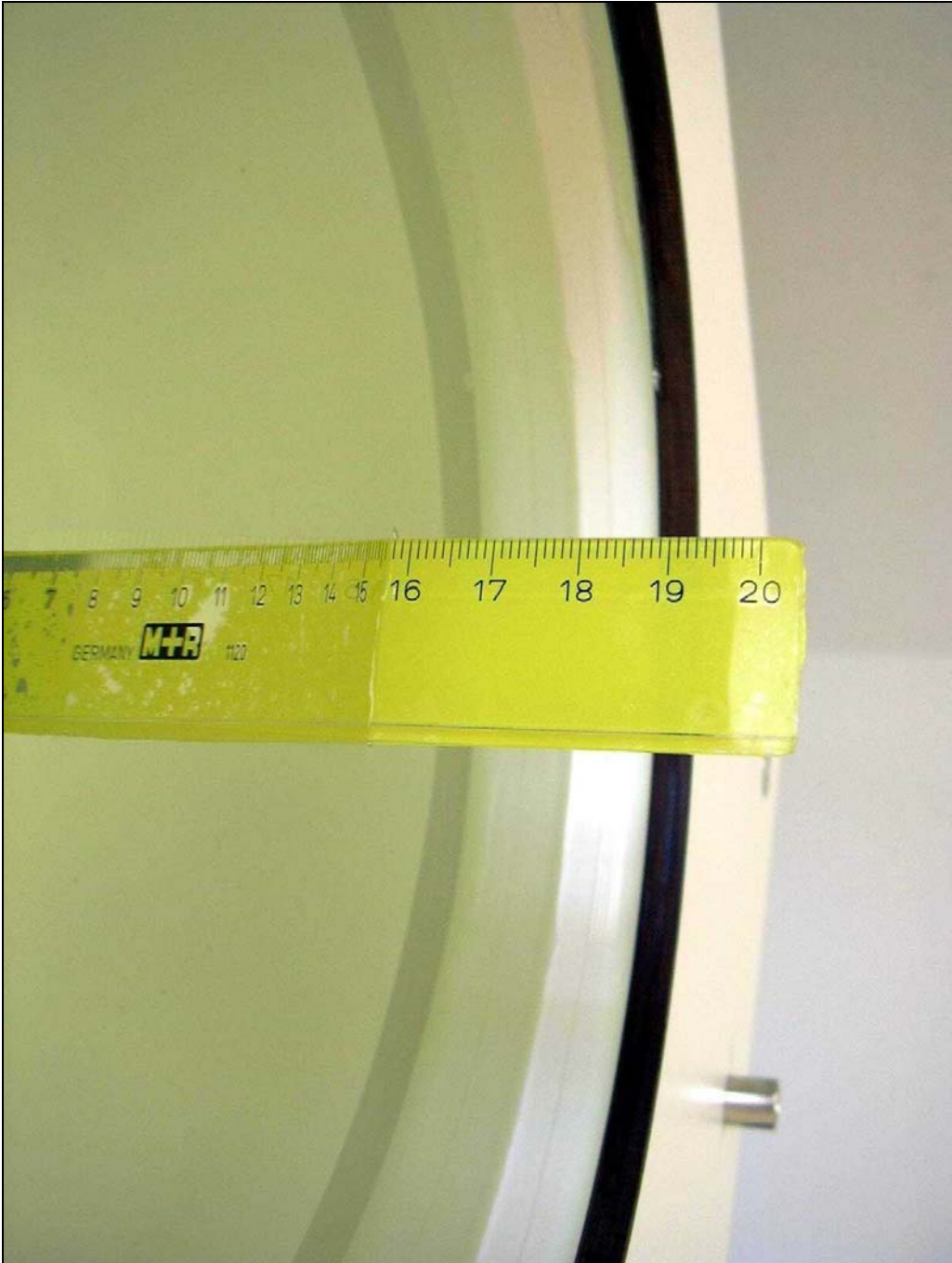


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Test Report No.: G0M20801-0399-S-8

Eurofins ETS Product Service GmbH  
Storkower Str. 38c, D-15526 Reichenwalde, Germany





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Test Report No.: G0M20801-0399-S-8

Eurofins ETS Product Service GmbH  
Storkower Str. 38c, D-15526 Reichenwalde, Germany

Appendix C



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Test Report No.: G0M20801-0399-S-8

Eurofins ETS Product Service GmbH  
Storkower Str. 38c, D-15526 Reichenwalde, Germany





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Test Report No.: G0M20801-0399-S-8

Eurofins ETS Product Service GmbH  
Storkower Str. 38c, D-15526 Reichenwalde, Germany

Appendix C





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Test Report No.: G0M20801-0399-S-8

Eurofins ETS Product Service GmbH  
Storkower Str. 38c, D-15526 Reichenwalde, Germany

Appendix C





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Test Report No.: G0M20801-0399-S-8

Eurofins ETS Product Service GmbH  
Storkower Str. 38c, D-15526 Reichenwalde, Germany