

Appendix B

Measurement Plots

Test Laboratory: ELECTRONIC TECHNOLOGY SYSTEMS DR. GENZ GMBH

Dipol Valid.1900(h)_250mW12.6.2006

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/m³

Phantom section: Flat Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1711; ConvF(4.84, 4.84, 4.84); 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 171

Dipol 1900 (250mW)/Area Scan (61x81x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 12.4 mW/g

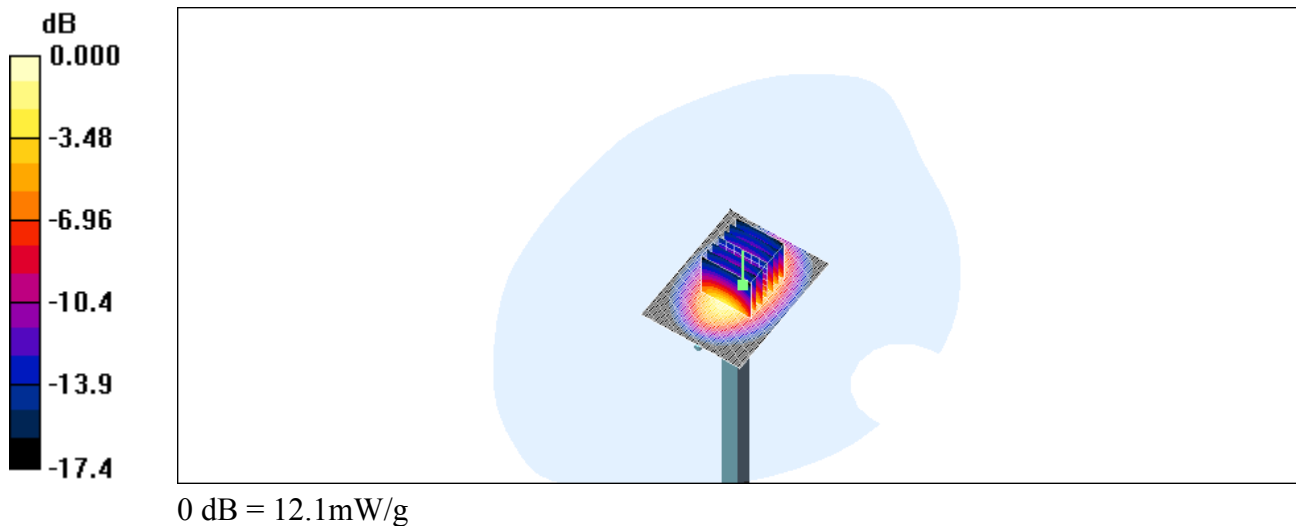
Dipol 1900 (250mW)/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 97.1 V/m; Power Drift = -0.009 dB

Peak SAR (extrapolated) = 18.8 W/kg

SAR(1 g) = 10.4 mW/g; SAR(10 g) = 5.32 mW/g

Maximum value of SAR (measured) = 12.1 mW/g



Test Laboratory: ELECTRONIC TECHNOLOGY SYSTEMS DR. GENZ GMBH

left_ch4_cheek

DUT: UPCS PHONE; Type: DCT2900; 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/m³

Phantom section: Left Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1711; ConvF(4.54, 4.54, 4.54); 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

DCT2900/Area Scan (71x181x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 0.009 mW/g

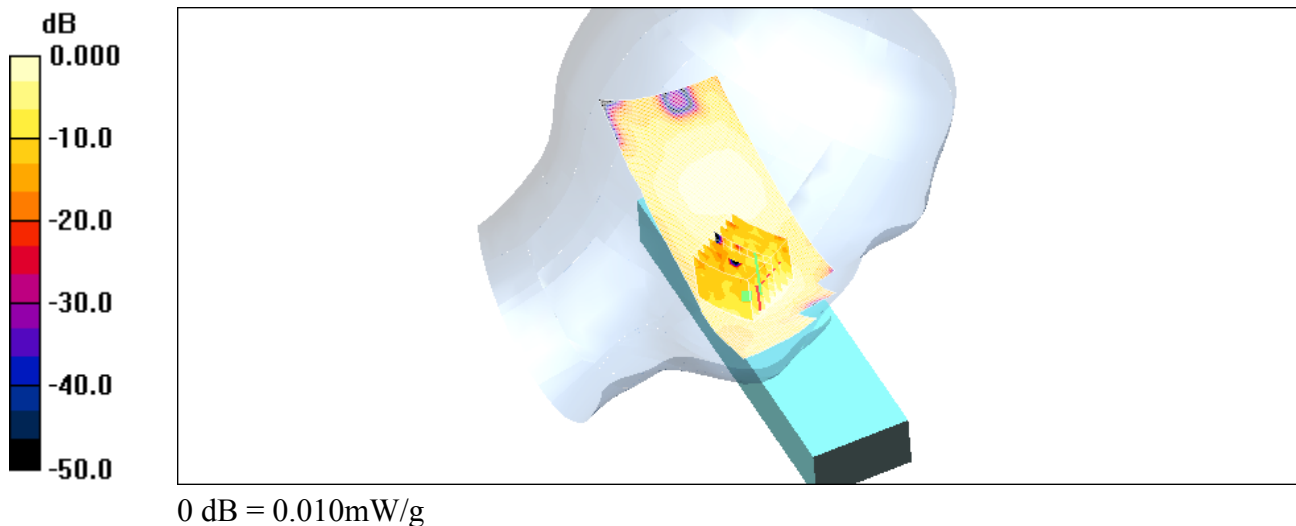
DCT2900/Zoom Scan (8x8x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 2.26 V/m; Power Drift = 0.038 dB

Peak SAR (extrapolated) = 0.013 W/kg

SAR(1 g) = 0.00869 mW/g; SAR(10 g) = 0.00504 mW/g

Maximum value of SAR (measured) = 0.010 mW/g



Test Laboratory: ELECTRONIC TECHNOLOGY SYSTEMS DR. GENZ GMBH

left_ch2_cheek

DUT: UPCS PHONE; Type: DCT2900; 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/m³

Phantom section: Left Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1711; ConvF(4.54, 4.54, 4.54); 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

DCT2900/Area Scan (71x181x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 0.010 mW/g

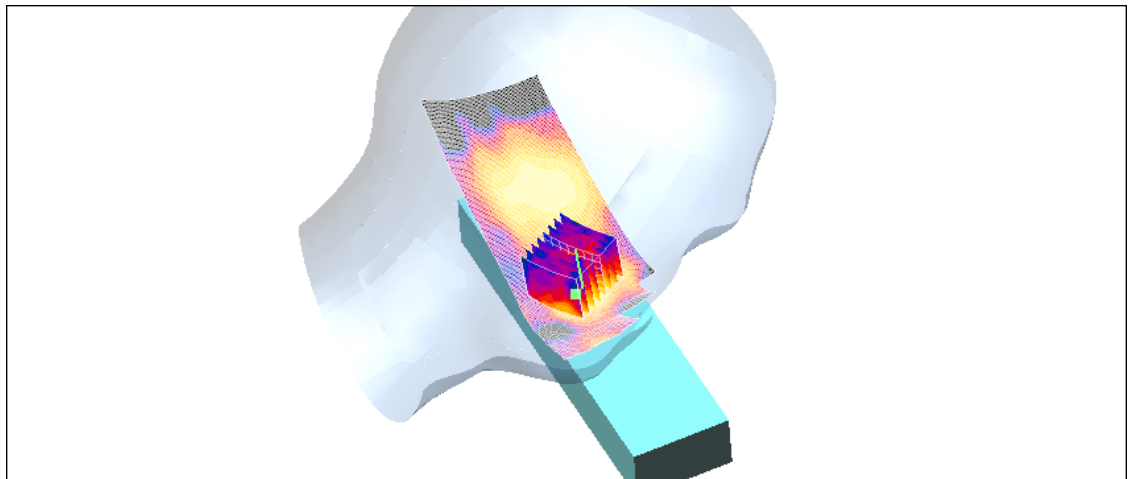
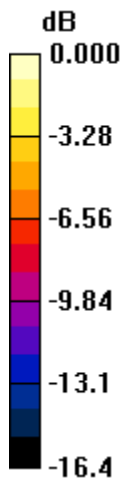
DCT2900/Zoom Scan (8x8x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 2.23 V/m; Power Drift = 0.068 dB

Peak SAR (extrapolated) = 0.013 W/kg

SAR(1 g) = 0.00903 mW/g; SAR(10 g) = 0.00546 mW/g

Maximum value of SAR (measured) = 0.010 mW/g



0 dB = 0.010mW/g

Test Laboratory: ELECTRONIC TECHNOLOGY SYSTEMS DR. GENZ GMBH

left_ch2_tilted

DUT: UPCS PHONE; Type: DCT2900; 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/m³

Phantom section: Left Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1711; ConvF(4.54, 4.54, 4.54); 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

DCT2900/Area Scan (71x181x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 0.008 mW/g

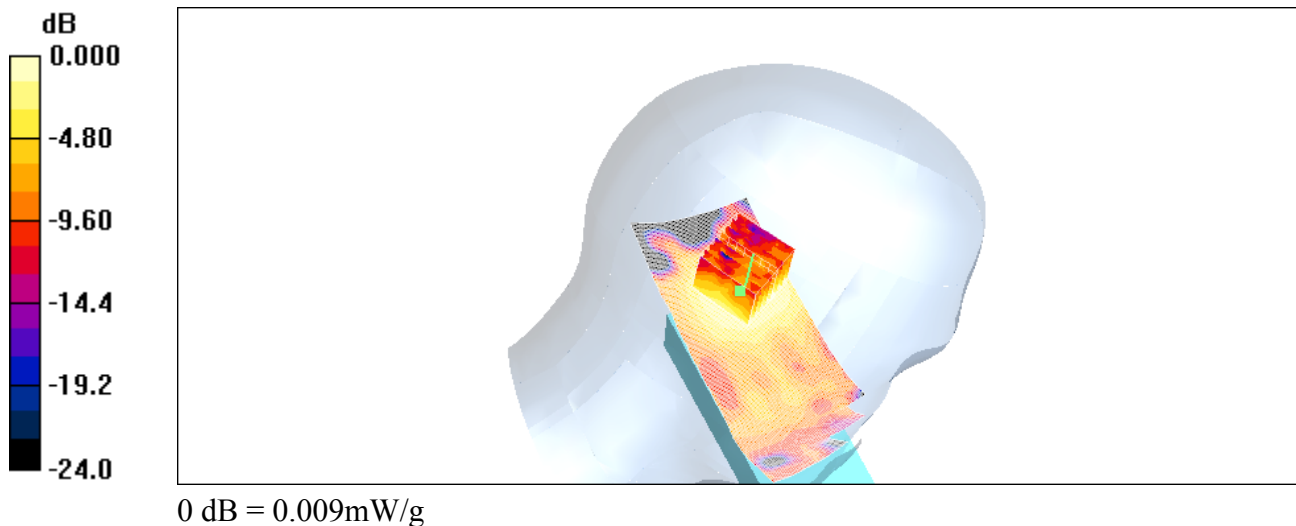
DCT2900/Zoom Scan (8x8x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 2.17 V/m; Power Drift = -0.011 dB

Peak SAR (extrapolated) = 0.013 W/kg

SAR(1 g) = 0.00799 mW/g; SAR(10 g) = 0.00497 mW/g

Maximum value of SAR (measured) = 0.009 mW/g



Test Laboratory: ELECTRONIC TECHNOLOGY SYSTEMS DR. GENZ GMBH

left_ch0_cheek

DUT: UPCS PHONE; Type: DCT2900; 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/m³

Phantom section: Left Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1711; ConvF(4.54, 4.54, 4.54); 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

DCT2900/Area Scan (71x181x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 0.009 mW/g

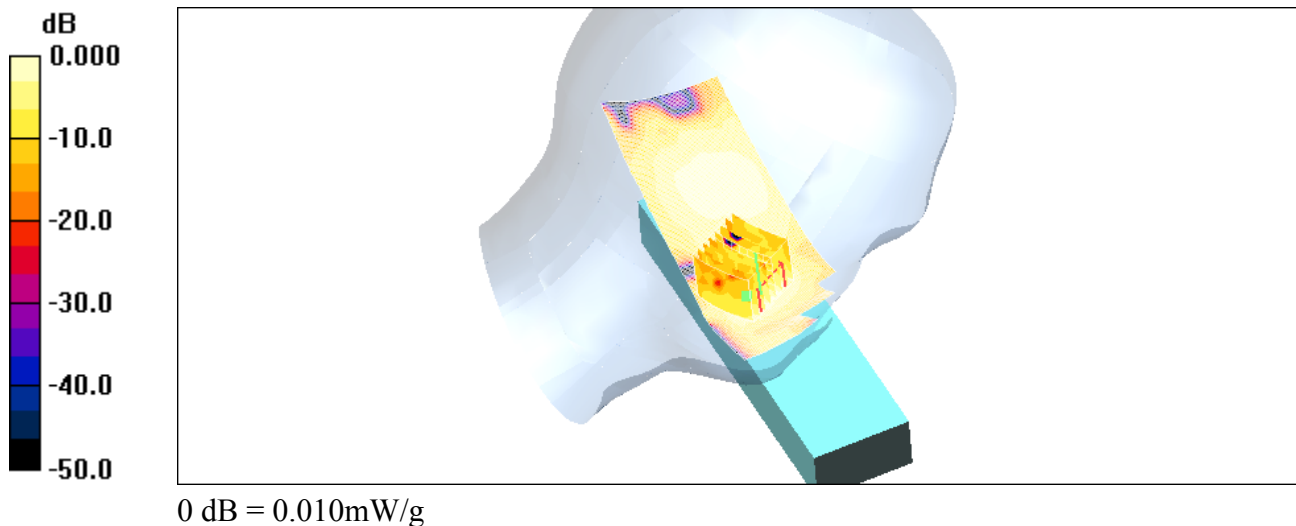
DCT2900/Zoom Scan (8x8x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 2.26 V/m; Power Drift = 0.040 dB

Peak SAR (extrapolated) = 0.013 W/kg

SAR(1 g) = 0.00873 mW/g; SAR(10 g) = 0.00508 mW/g

Maximum value of SAR (measured) = 0.010 mW/g



Test Laboratory: ELECTRONIC TECHNOLOGY SYSTEMS DR. GENZ GMBH

right_ch2_cheek

DUT: UPCS PHONE; Type: DCT2900; 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/m³

Phantom section: Right Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1711; ConvF(4.54, 4.54, 4.54); 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

DCT2900/Area Scan (71x181x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 0.008 mW/g

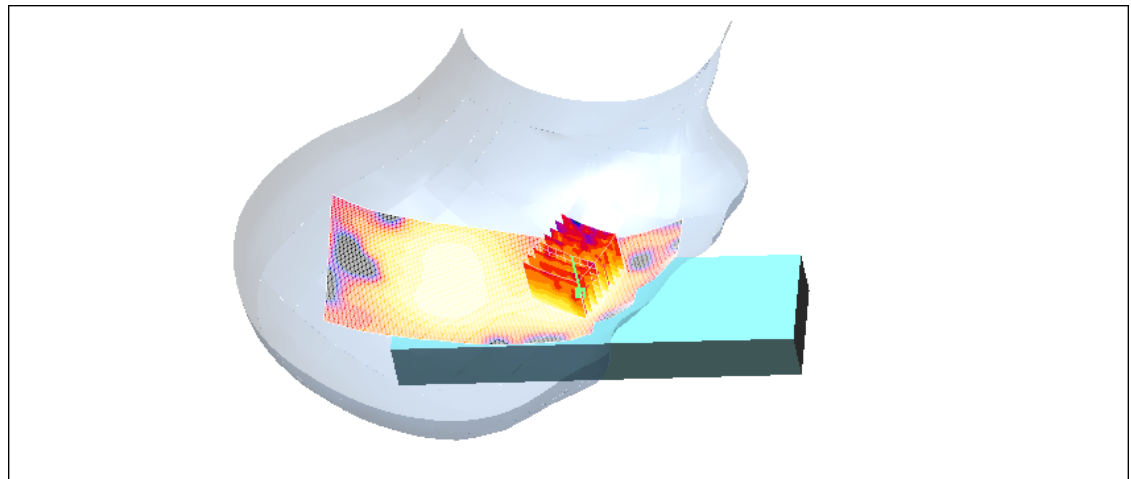
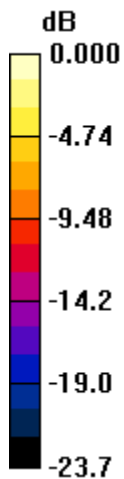
DCT2900/Zoom Scan (8x8x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 2.40 V/m; Power Drift = 0.021 dB

Peak SAR (extrapolated) = 0.010 W/kg

SAR(1 g) = 0.00707 mW/g; SAR(10 g) = 0.00441 mW/g

Maximum value of SAR (measured) = 0.008 mW/g



0 dB = 0.008mW/g

Test Laboratory: ELECTRONIC TECHNOLOGY SYSTEMS DR. GENZ GMBH

right_ch2_tilted

DUT: UPCS PHONE; Type: DCT2900; 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/m³

Phantom section: Right Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1711; ConvF(4.54, 4.54, 4.54); 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

DCT2900/Area Scan (71x181x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 0.007 mW/g

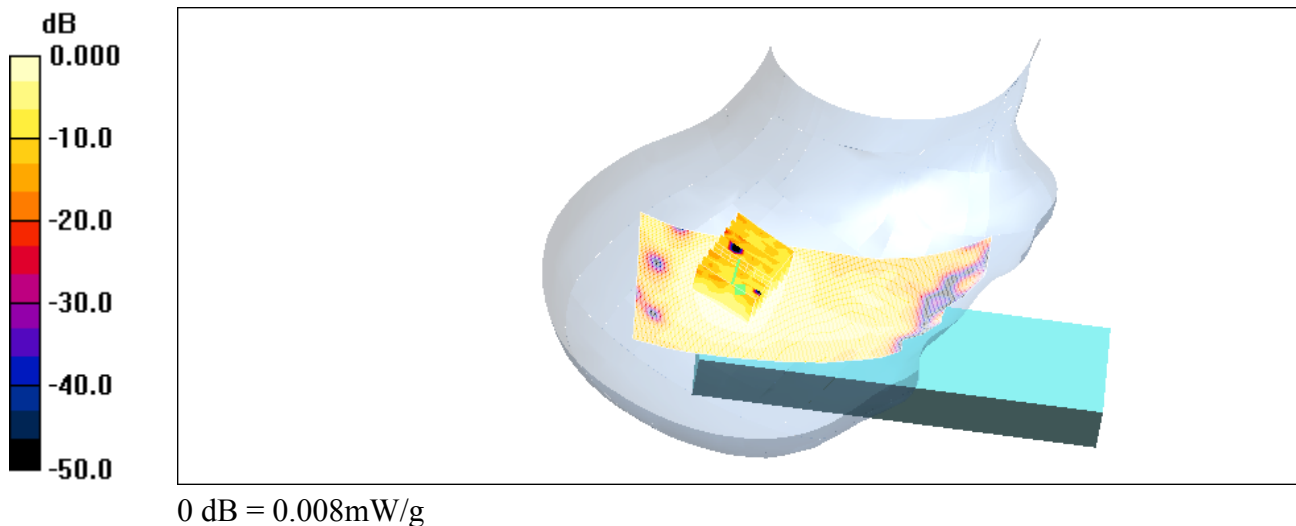
DCT2900/Zoom Scan (8x8x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 2.21 V/m; Power Drift = -0.026 dB

Peak SAR (extrapolated) = 0.011 W/kg

SAR(1 g) = 0.00691 mW/g; SAR(10 g) = 0.00413 mW/g

Maximum value of SAR (measured) = 0.008 mW/g



Test Laboratory: ELECTRONIC TECHNOLOGY SYSTEMS DR. GENZ GMBH

left_ch2_cheek_z-axis-scan

DUT: UPCS PHONE; Type: DCT2900; 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/m³

Phantom section: Left Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1711; ConvF(4.54, 4.54, 4.54); 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

DCT2900/Area Scan (71x181x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 0.010 mW/g

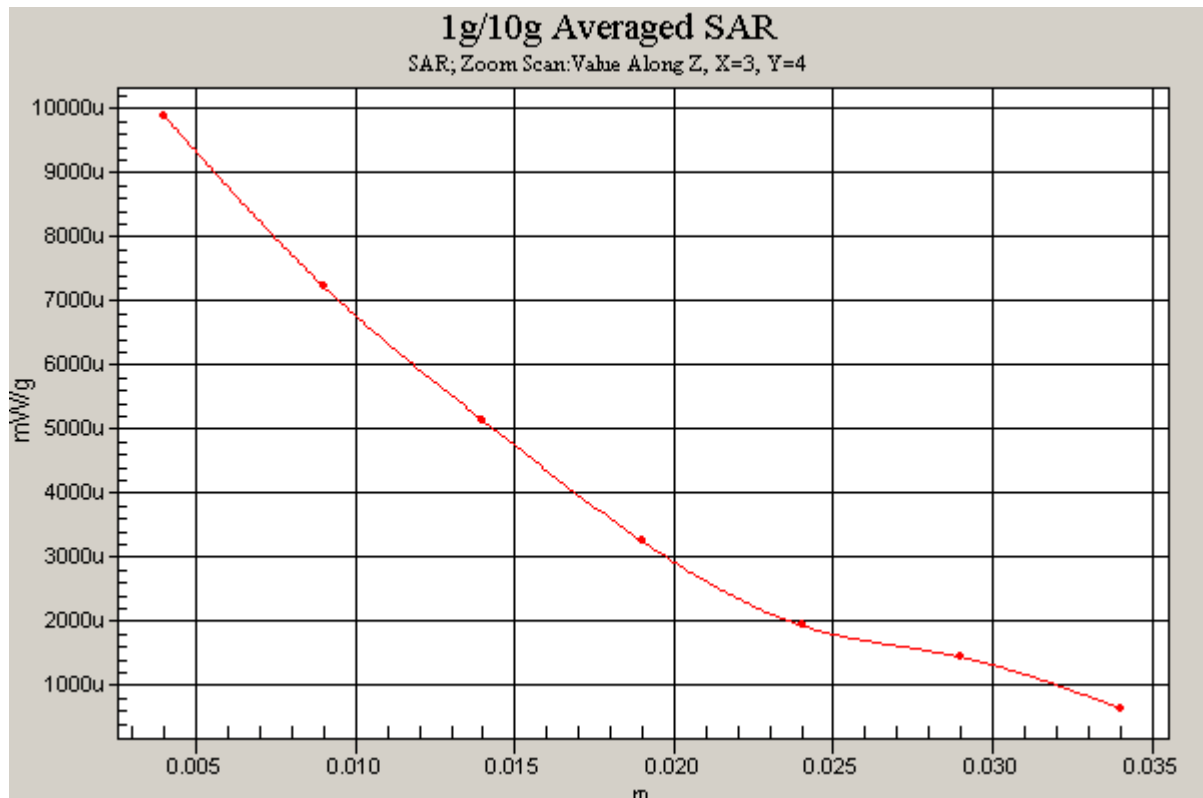
DCT2900/Zoom Scan (8x8x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 2.23 V/m; Power Drift = 0.368 dB

Peak SAR (extrapolated) = 0.013 W/kg

SAR(1 g) = 0.00903 mW/g; SAR(10 g) = 0.00546 mW/g

Maximum value of SAR (measured) = 0.010 mW/g



Appendix C

Pictures

Appendix

C. Pictures





