

Appendix B

Measurement Plots

Test Laboratory: ELECTRONIC TECHNOLOGY SYSTEMS DR. GENZ GMBH

Dipol Valid.1900(h)_250mW23.1.06

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 (interpolated): $f = 1900$ MHz; $\sigma = 1.41$ 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 160

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

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

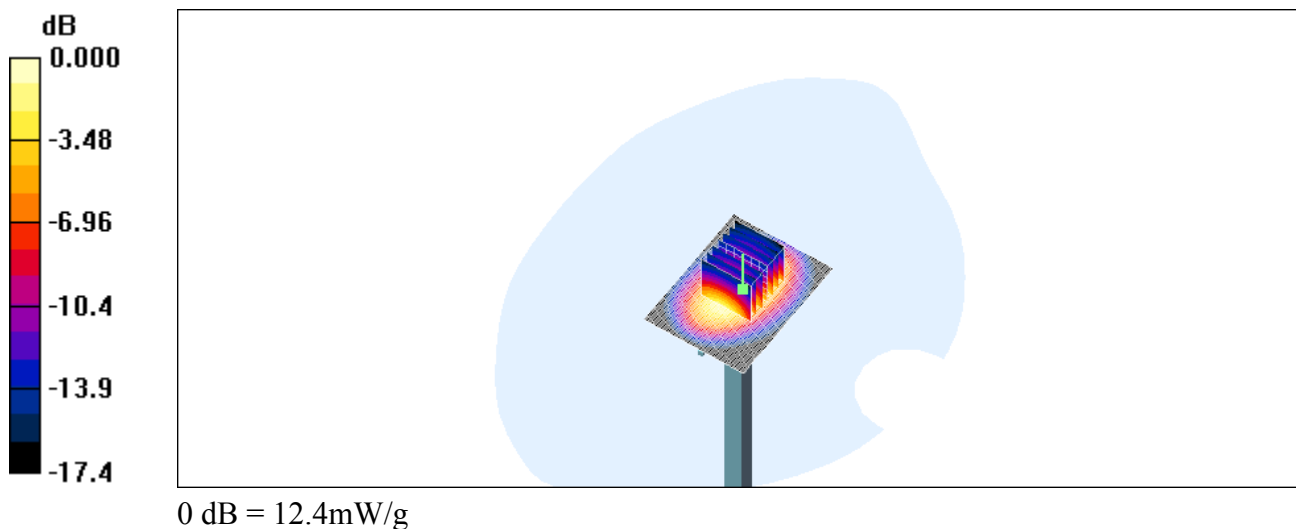
Dipol 1900 (250mW)/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 99.6 V/m; Power Drift = 0.010 dB

Peak SAR (extrapolated) = 18.7 W/kg

SAR(1 g) = 10.9 mW/g; SAR(10 g) = 5.75 mW/g

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



Test Laboratory: ELECTRONIC TECHNOLOGY SYSTEMS DR. GENZ GMBH

Dipol Valid.900 (h)_250mW 24.1.06

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

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

Medium: Head 850 MHz Medium parameters used (interpolated): $f = 900$ MHz; $\sigma = 0.941$ mho/m; ϵ_r
 $= 41.4$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1711; ConvF(5.99, 5.99, 5.99); 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=10mm, dy=10mm

Maximum value of SAR (interpolated) = 3.29 mW/g

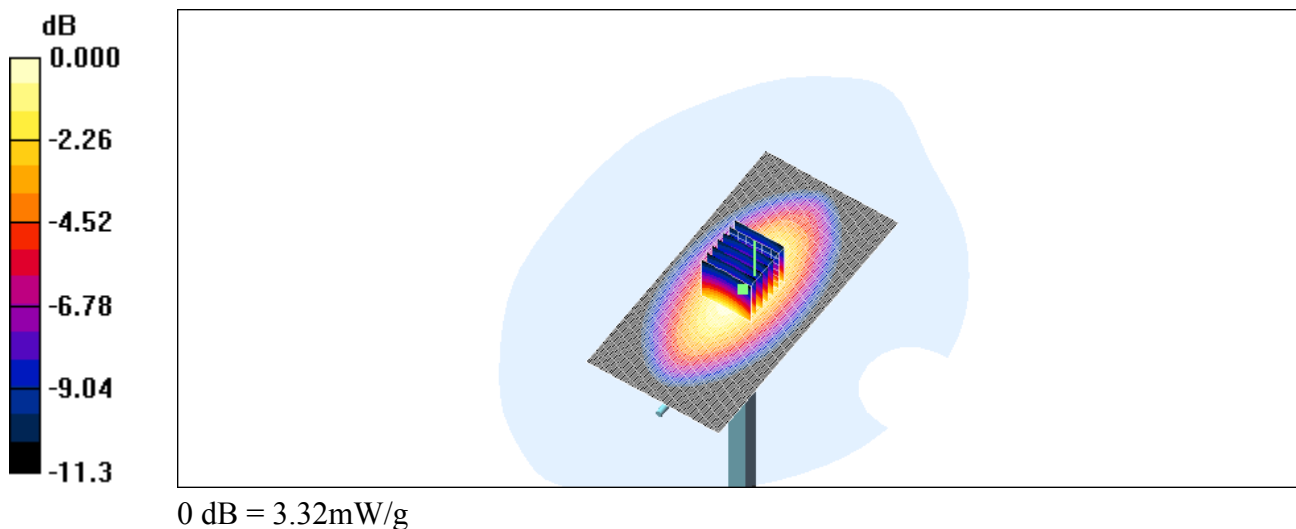
Dipol 900 (250mW)/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 61.4 V/m; Power Drift = -0.009 dB

Peak SAR (extrapolated) = 4.96 W/kg

SAR(1 g) = 2.65 mW/g; SAR(10 g) = 1.73 mW/g

Maximum value of SAR (measured) = 3.32 mW/g



Test Laboratory: ELECTRONIC TECHNOLOGY SYSTEMS DR. GENZ GMBH

Dipol Valid.900 (m)_250mW 26.1.06

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) = 3.15 mW/g

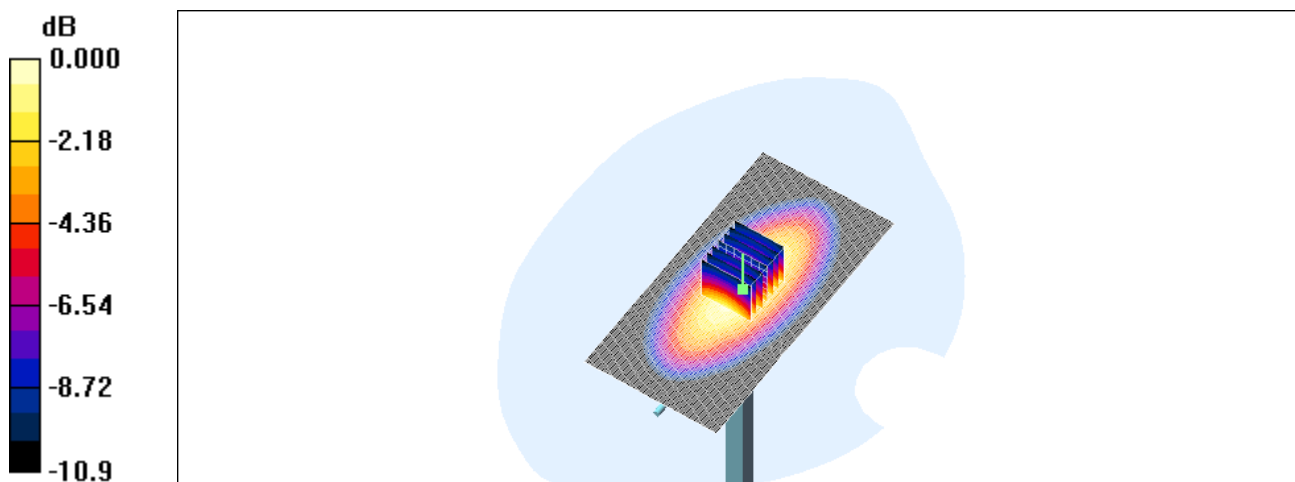
Dipol 900 (250mW)/Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5\text{mm}$, $dy=5\text{mm}$, $dz=5\text{mm}$

Reference Value = 56.3 V/m ; Power Drift = -0.006 dB

Peak SAR (extrapolated) = 4.54 W/kg

SAR(1 g) = 2.93 mW/g ; SAR(10 g) = 1.86 mW/g

Maximum value of SAR (measured) = 3.27 mW/g



0 dB = 3.27 mW/g

Test Laboratory: ELECTRONIC TECHNOLOGY SYSTEMS DR. GENZ GMBH

Dipol Valid.1900(m)_250mW 26.1.06

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: $f = 1900$ MHz; $\sigma = 1.58$ mho/m; $\epsilon_r = 51.9$; $\rho = 1000$ kg/m³

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: $dx=10$ mm, $dy=10$ mm
Maximum value of SAR (interpolated) = 13.5 mW/g

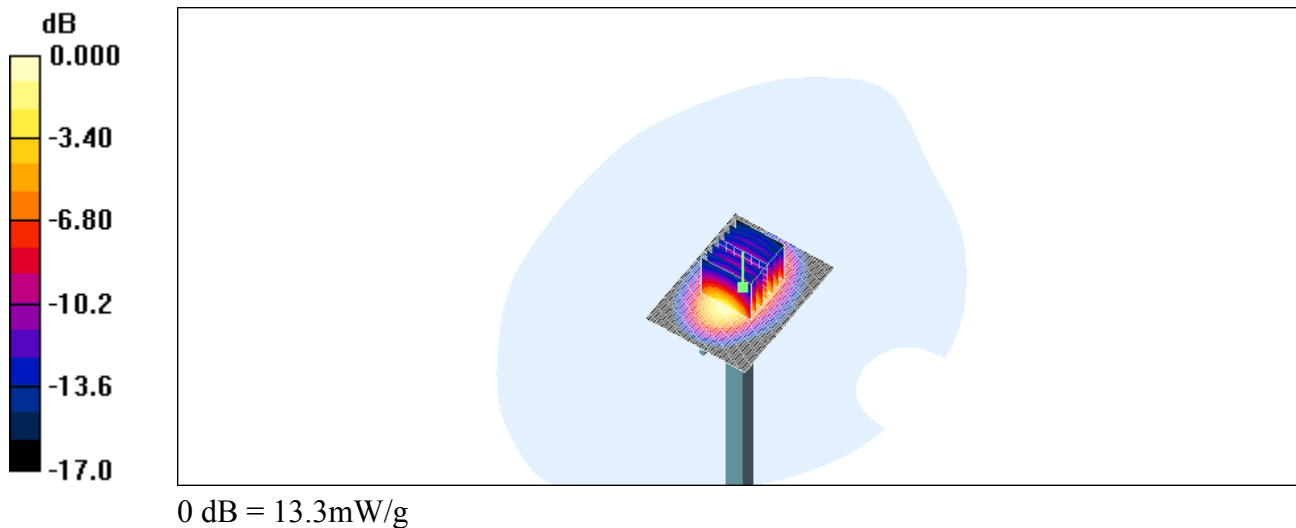
Dipol 1900 (250mW)/Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm

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



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: $f = 1900$ MHz; $\sigma = 1.58$ mho/m; $\epsilon_r = 51.9$; $\rho = 1000$ kg/m³

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=10mm, dy=10mm

Maximum value of SAR (interpolated) = 13.5 mW/g

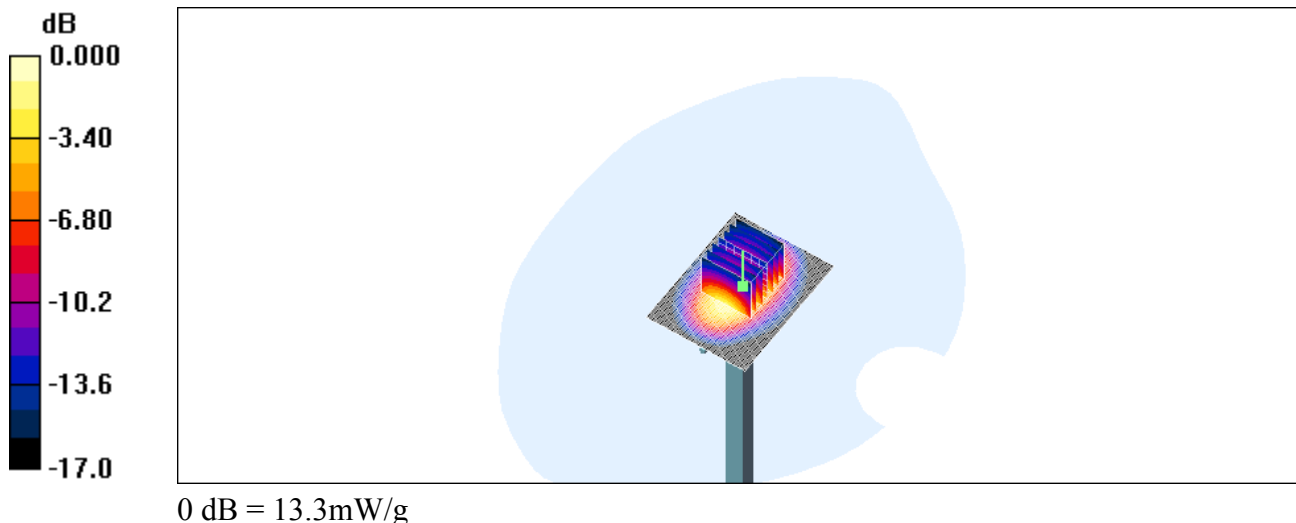
Dipol 1900 (250mW)/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

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



Test Laboratory: ELECTRONIC TECHNOLOGY SYSTEMS DR. GENZ GMBH

850_left_ch189_cheek

DUT: Triple-Band GSM 850/DCS 1800 /PCS1900 (with WAP & GPRS); Type: ---; Serial: PG-C120

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

Medium: Head 850 MHz Medium parameters used: $f = 836.4 \text{ MHz}$; $\sigma = 0.892 \text{ mho/m}$; $\epsilon_r = 42.2$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Left Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1711; ConvF(5.99, 5.99, 5.99); 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

PG-C120/Area Scan (91x141x1): Measurement grid: $dx=10\text{mm}$, $dy=10\text{mm}$

Maximum value of SAR (interpolated) = 0.833 mW/g

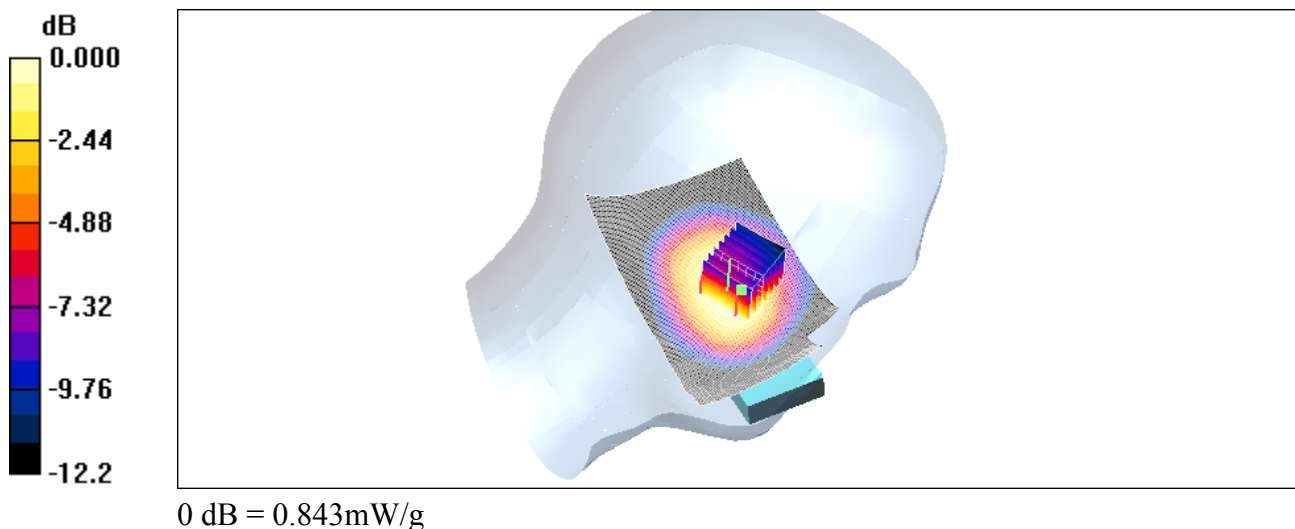
PG-C120/Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5\text{mm}$, $dy=5\text{mm}$, $dz=5\text{mm}$

Reference Value = 23.5 V/m ; Power Drift = -0.016 dB

Peak SAR (extrapolated) = 1.22 W/kg

SAR(1 g) = 0.771 mW/g ; SAR(10 g) = 0.537 mW/g

Maximum value of SAR (measured) = 0.843 mW/g



Test Laboratory: ELECTRONIC TECHNOLOGY SYSTEMS DR. GENZ GMBH

850_left_ch189_tilted

DUT: Triple-Band GSM 850 /DCS 1800 /PCS1900 (with WAP & GPRS); Type: ---; Serial: PG-C120

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

Medium: Head 850 MHz Medium parameters used: $f = 836.4 \text{ MHz}$; $\sigma = 0.892 \text{ mho/m}$; $\epsilon_r = 42.2$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Left Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1711; ConvF(5.99, 5.99, 5.99); 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

PG-C120/Area Scan (91x141x1): Measurement grid: $dx=10\text{mm}$, $dy=10\text{mm}$

Maximum value of SAR (interpolated) = 0.380 mW/g

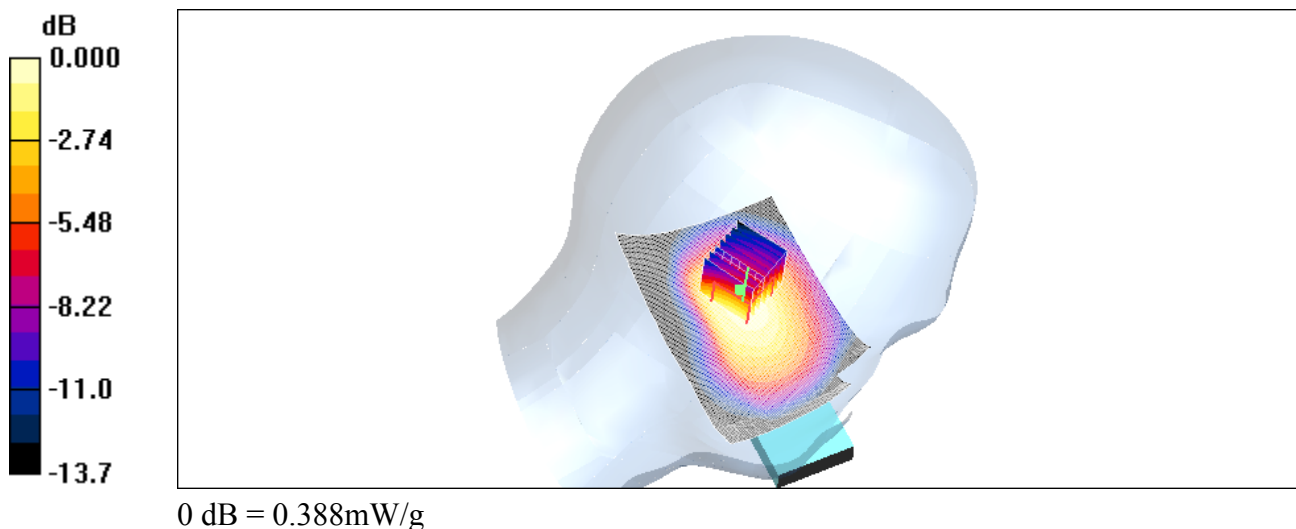
PG-C120/Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5\text{mm}$, $dy=5\text{mm}$, $dz=5\text{mm}$

Reference Value = 19.0 V/m; Power Drift = 0.093 dB

Peak SAR (extrapolated) = 0.522 W/kg

SAR(1 g) = 0.358 mW/g; SAR(10 g) = 0.245 mW/g

Maximum value of SAR (measured) = 0.388 mW/g



Test Laboratory: ELECTRONIC TECHNOLOGY SYSTEMS DR. GENZ GMBH

850_right_ch189_cheek

DUT: Triple-Band GSM 850 /DCS 1800 /PCS1900 (with WAP & GPRS); Type: ---; Serial: PG-C120

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

Medium: Head 850 MHz Medium parameters used: $f = 836.4 \text{ MHz}$; $\sigma = 0.892 \text{ mho/m}$; $\epsilon_r = 42.2$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Right Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1711; ConvF(5.99, 5.99, 5.99); 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

PG-C120/Area Scan (91x141x1): Measurement grid: $dx=10\text{mm}$, $dy=10\text{mm}$

Maximum value of SAR (interpolated) = 0.998 mW/g

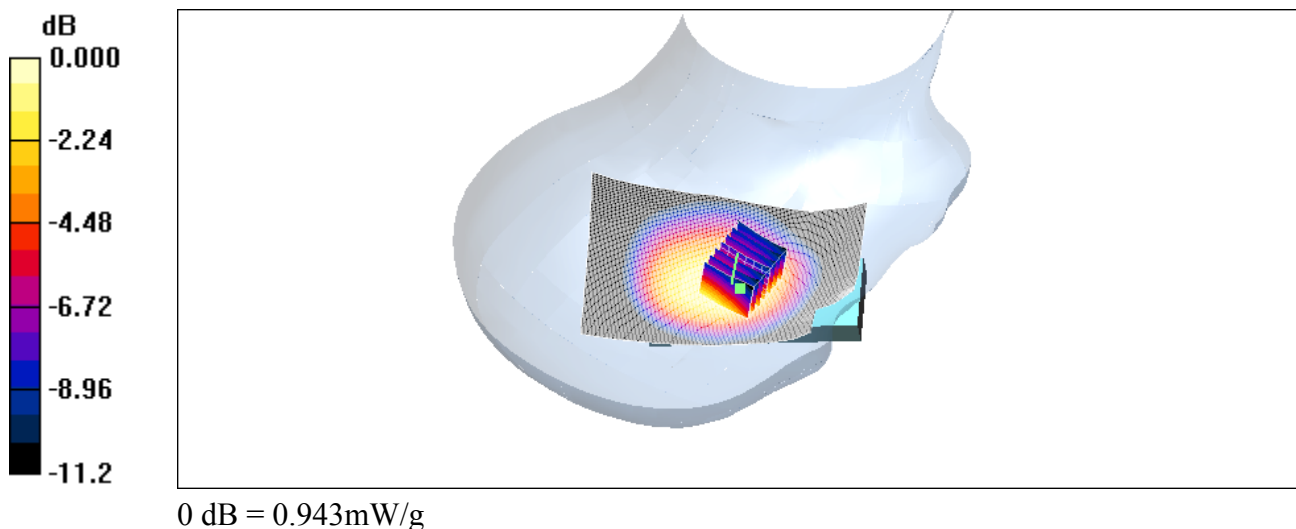
PG-C120/Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5\text{mm}$, $dy=5\text{mm}$, $dz=5\text{mm}$

Reference Value = 25.2 V/m ; Power Drift = 0.020 dB

Peak SAR (extrapolated) = 1.28 W/kg

SAR(1 g) = 0.880 mW/g ; SAR(10 g) = 0.603 mW/g

Maximum value of SAR (measured) = 0.943 mW/g



Test Laboratory: ELECTRONIC TECHNOLOGY SYSTEMS DR. GENZ GMBH

850_right_ch189_tilted

DUT: Triple-Band GSM 850 /DCS 1800 /PCS1900 (with WAP & GPRS); Type: ---; Serial: PG-C120

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

Medium: Head 850 MHz Medium parameters used: $f = 836.4$ MHz; $\sigma = 0.892$ mho/m; $\epsilon_r = 42.2$; $\rho = 1000$ kg/m³

Phantom section: Right Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1711; ConvF(5.99, 5.99, 5.99); 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

PG-C120/Area Scan (91x141x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 0.406 mW/g

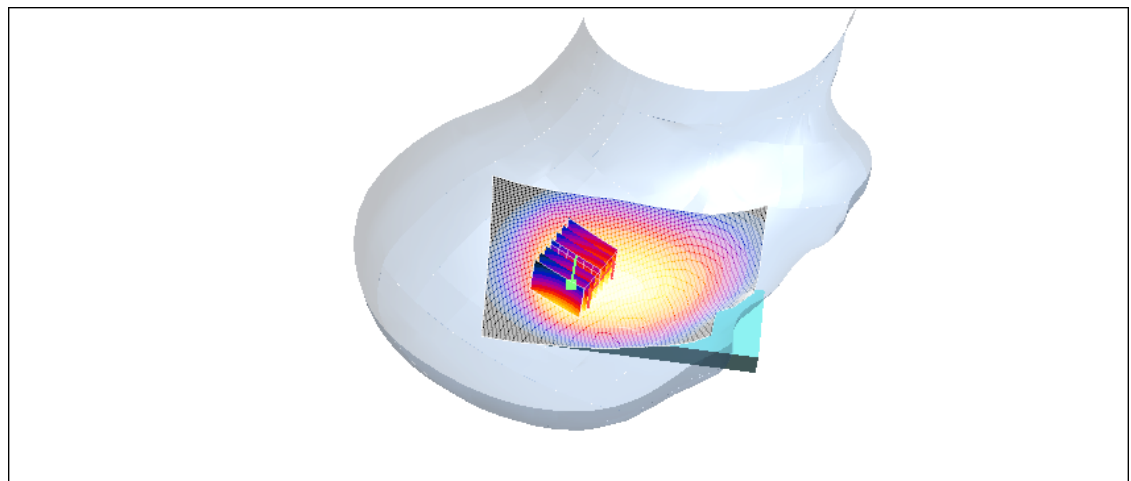
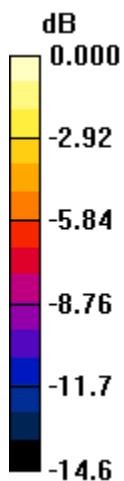
PG-C120/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 21.2 V/m; Power Drift = -0.014 dB

Peak SAR (extrapolated) = 0.527 W/kg

SAR(1 g) = 0.361 mW/g; SAR(10 g) = 0.247 mW/g

Maximum value of SAR (measured) = 0.396 mW/g



0 dB = 0.396mW/g

Test Laboratory: ELECTRONIC TECHNOLOGY SYSTEMS DR. GENZ GMBH

850_right_ch128_cheek

DUT: Triple-Band GSM 850 /DCS 1800 /PCS1900 (with WAP & GPRS); Type: ---; Serial: PG-C120

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

Medium: Head 850 MHz Medium parameters used: $f = 824.2 \text{ MHz}$; $\sigma = 0.873 \text{ mho/m}$; $\epsilon_r = 42.4$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Right Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1711; ConvF(5.99, 5.99, 5.99); 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

PG-C120/Area Scan (91x141x1): Measurement grid: $dx=10\text{mm}$, $dy=10\text{mm}$

Maximum value of SAR (interpolated) = 0.996 mW/g

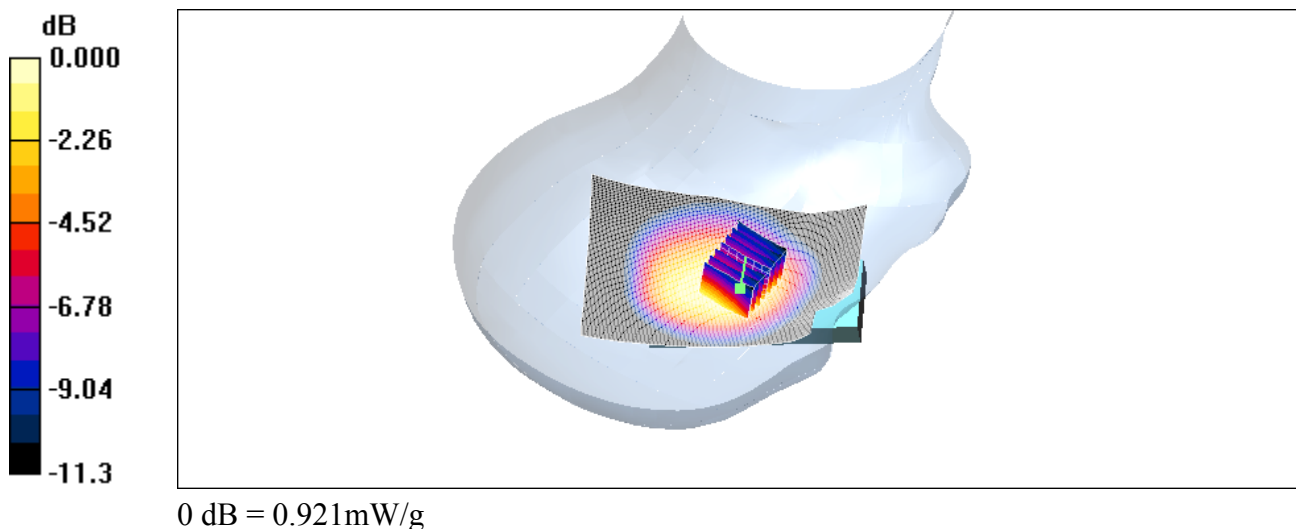
PG-C120/Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5\text{mm}$, $dy=5\text{mm}$, $dz=5\text{mm}$

Reference Value = 25.1 V/m ; Power Drift = 0.048 dB

Peak SAR (extrapolated) = 1.24 W/kg

SAR(1 g) = 0.864 mW/g ; SAR(10 g) = 0.591 mW/g

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



Test Laboratory: ELECTRONIC TECHNOLOGY SYSTEMS DR. GENZ GMBH

850_right_ch251_cheek

DUT: Triple-Band GSM 850 /DCS 1800 /PCS1900 (with WAP & GPRS); Type: ---; Serial: PG-C120

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

Medium: Head 850 MHz Medium parameters used: $f = 848.8 \text{ MHz}$; $\sigma = 0.928 \text{ mho/m}$; $\epsilon_r = 41.7$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Right Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1711; ConvF(5.99, 5.99, 5.99); 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

PG-C120/Area Scan (91x141x1): Measurement grid: $dx=10\text{mm}$, $dy=10\text{mm}$

Maximum value of SAR (interpolated) = 1.31 mW/g

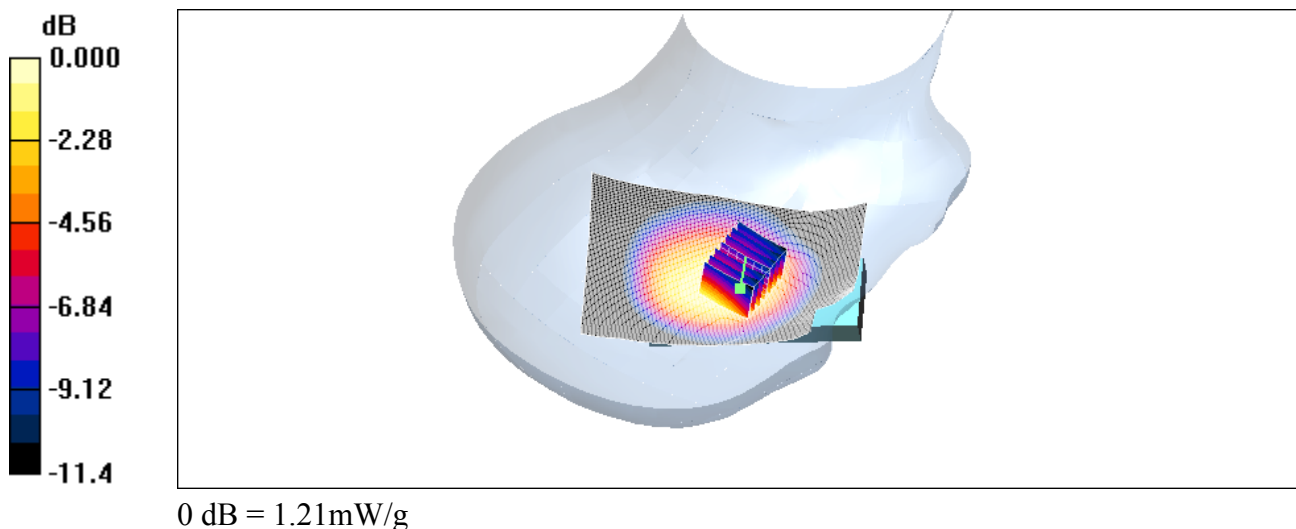
PG-C120/Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5\text{mm}$, $dy=5\text{mm}$, $dz=5\text{mm}$

Reference Value = 27.9 V/m; Power Drift = 0.014 dB

Peak SAR (extrapolated) = 1.67 W/kg

SAR(1 g) = 1.13 mW/g; SAR(10 g) = 0.771 mW/g

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



Test Laboratory: ELECTRONIC TECHNOLOGY SYSTEMS DR. GENZ GMBH

850_flat_ch189_front_dist_5mm

DUT: Triple-Band GSM 850 /DCS 1800 /PCS1900 (with WAP & GPRS); Type: ---; Serial: PG-C120

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

Medium: Head 850 MHz Medium parameters used: $f = 836.4$ MHz; $\sigma = 0.892$ mho/m; $\epsilon_r = 42.2$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1711; ConvF(5.99, 5.99, 5.99); 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

PG-C120/Area Scan (91x101x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 0.565 mW/g

PG-C120/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 25.3 V/m; Power Drift = -0.039 dB

Peak SAR (extrapolated) = 0.793 W/kg

SAR(1 g) = 0.510 mW/g; SAR(10 g) = 0.345 mW/g

Maximum value of SAR (measured) = 0.566 mW/g

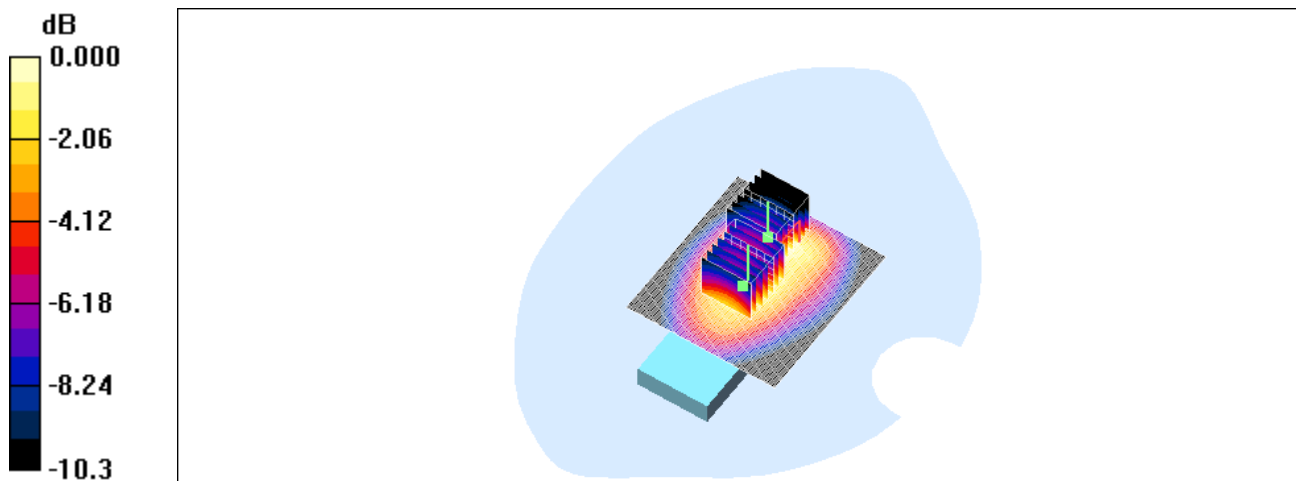
PG-C120/Zoom Scan (7x7x7)/Cube 1: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 25.3 V/m; Power Drift = -0.039 dB

Peak SAR (extrapolated) = 0.695 W/kg

SAR(1 g) = 0.524 mW/g; SAR(10 g) = 0.369 mW/g

Maximum value of SAR (measured) = 0.565 mW/g



0 dB = 0.565mW/g

Test Laboratory: ELECTRONIC TECHNOLOGY SYSTEMS DR. GENZ GMBH

850_flat_ch128_back_dist_5mm

DUT: Triple-Band GSM 850 /DCS 1800 /PCS1900 (with WAP & GPRS); Type: ---; Serial: PG-C120

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

Medium: Head 850 MHz Medium parameters used: $f = 824.2$ MHz; $\sigma = 0.873$ mho/m; $\epsilon_r = 42.4$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1711; ConvF(5.99, 5.99, 5.99); 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

PG-C120/Area Scan (91x101x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 1.53 mW/g

PG-C120/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 40.2 V/m; Power Drift = 0.009 dB

Peak SAR (extrapolated) = 3.21 W/kg

SAR(1 g) = 1.43 mW/g; SAR(10 g) = 0.865 mW/g

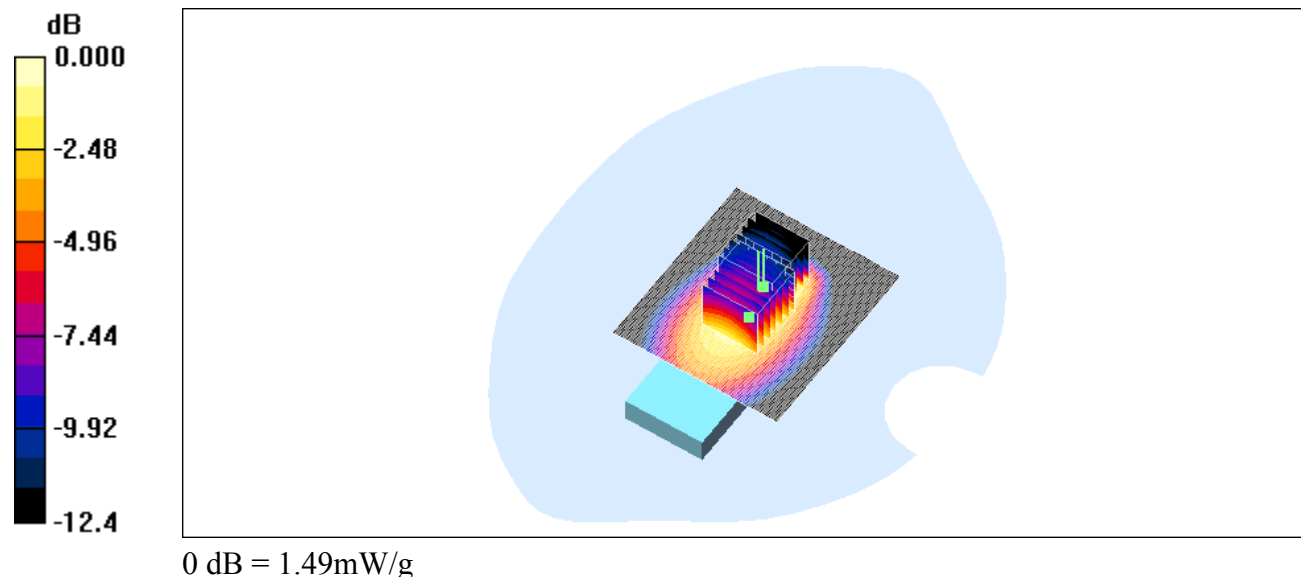
Maximum value of SAR (measured) = 1.55 mW/g

PG-C120/Zoom Scan (7x7x7)/Cube 1: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 40.2 V/m; Power Drift = 0.009 dB

Peak SAR (extrapolated) = 2.05 W/kg

SAR(1 g) = 1.29 mW/g; SAR(10 g) = 0.877 mW/g Maximum value of SAR (measured) = 1.49 mW/g



Test Laboratory: ELECTRONIC TECHNOLOGY SYSTEMS DR. GENZ GMBH

850_flat_ch189_back_dist_5mm

DUT: Triple-Band GSM 850 /DCS 1800 /PCS1900 (with WAP & GPRS); Type: ---; Serial: PG-C120

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

Medium: Head 850 MHz Medium parameters used: $f = 836.4 \text{ MHz}$; $\sigma = 0.892 \text{ mho/m}$; $\epsilon_r = 42.2$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1711; ConvF(5.99, 5.99, 5.99); 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

PG-C120/Area Scan (91x101x1): Measurement grid: $dx=10\text{mm}$, $dy=10\text{mm}$

Maximum value of SAR (interpolated) = 1.64 mW/g

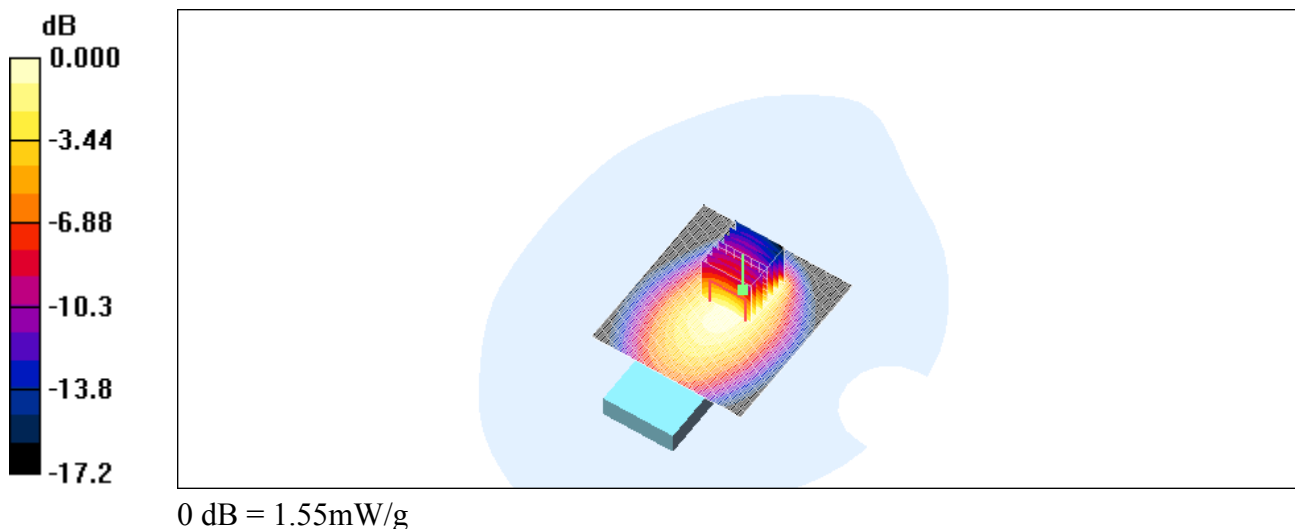
PG-C120/Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5\text{mm}$, $dy=5\text{mm}$, $dz=5\text{mm}$

Reference Value = 40.3 V/m; Power Drift = -0.003 dB

Peak SAR (extrapolated) = 3.23 W/kg

SAR(1 g) = 1.44 mW/g; SAR(10 g) = 0.880 mW/g

Maximum value of SAR (measured) = 1.55 mW/g



Test Laboratory: ELECTRONIC TECHNOLOGY SYSTEMS DR. GENZ GMBH

850_flat_ch251_back_dist_5mm

DUT: Triple-Band GSM 850 /DCS 1800 /PCS1900 (with WAP & GPRS); Type: ---; Serial: PG-C120

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

Medium: Head 850 MHz Medium parameters used: $f = 848.8 \text{ MHz}$; $\sigma = 0.928 \text{ mho/m}$; $\epsilon_r = 41.7$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1711; ConvF(5.99, 5.99, 5.99); 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

PG-C120/Area Scan (91x101x1): Measurement grid: $dx=10\text{mm}$, $dy=10\text{mm}$

Maximum value of SAR (interpolated) = 1.82 mW/g

PG-C120/Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5\text{mm}$, $dy=5\text{mm}$, $dz=5\text{mm}$

Reference Value = 42.3 V/m; Power Drift = -0.008 dB

Peak SAR (extrapolated) = 3.08 W/kg

SAR(1 g) = 1.43 mW/g; SAR(10 g) = 1.01 mW/g

Maximum value of SAR (measured) = 1.88 mW/g

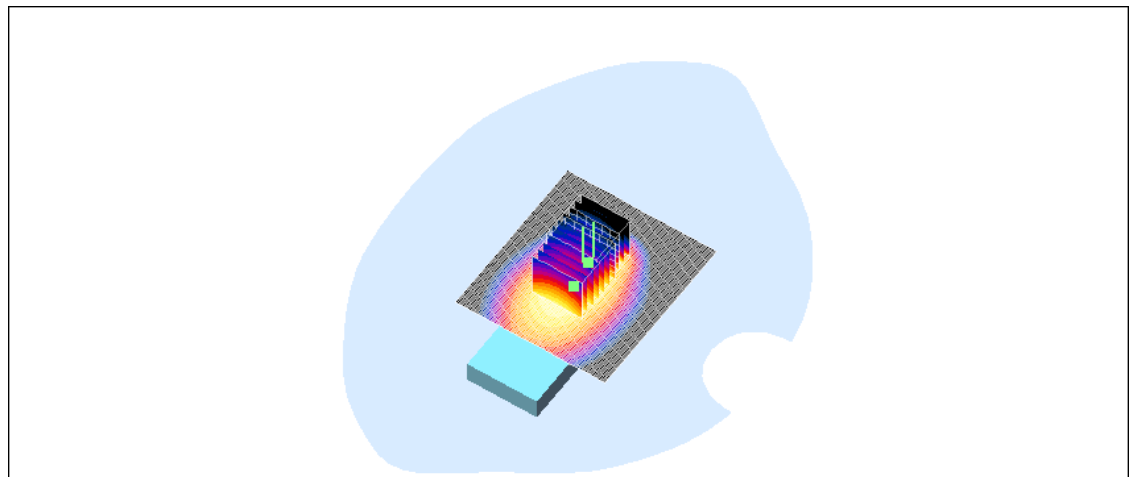
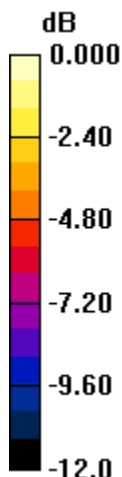
PG-C120/Zoom Scan (7x7x7)/Cube 1: Measurement grid: $dx=5\text{mm}$, $dy=5\text{mm}$, $dz=5\text{mm}$

Reference Value = 42.3 V/m; Power Drift = -0.008 dB

Peak SAR (extrapolated) = 2.31 W/kg

SAR(1 g) = 1.49 mW/g; SAR(10 g) = 1.03 mW/g

Maximum value of SAR (measured) = 1.69 mW/g



0 dB = 1.69mW/g

Test Laboratory: ELECTRONIC TECHNOLOGY SYSTEMS DR. GENZ GMBH

1900_right_ch661_cheek

DUT: Triple-Band GSM 850/DCS 1800 /PCS1900 (with WAP & GPRS); Type: ---; Serial: PG-C120

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

Medium: Head 1900 MHz Medium parameters used: $f = 1880 \text{ MHz}$; $\sigma = 1.4 \text{ mho/m}$; $\epsilon_r = 39.9$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Right 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 160

PG-C120/Area Scan (91x141x1): Measurement grid: $dx=10\text{mm}$, $dy=10\text{mm}$

Maximum value of SAR (interpolated) = 0.516 mW/g

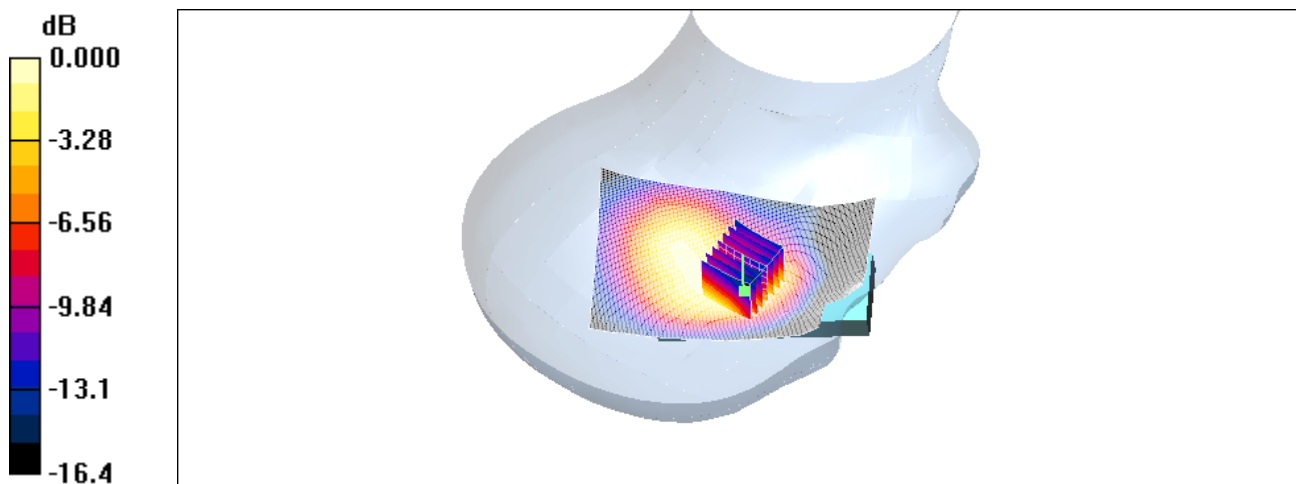
PG-C120/Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5\text{mm}$, $dy=5\text{mm}$, $dz=5\text{mm}$

Reference Value = 17.8 V/m ; Power Drift = 0.012 dB

Peak SAR (extrapolated) = 0.895 W/kg

SAR(1 g) = 0.480 mW/g ; SAR(10 g) = 0.281 mW/g

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



0 dB = 0.539 mW/g

Test Laboratory: ELECTRONIC TECHNOLOGY SYSTEMS DR. GENZ GMBH

1900_right_ch661_tilted

DUT: Triple-Band GSM 850/DCS 1800 /PCS1900 (with WAP & GPRS); Type: ---; Serial: PG-C120

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

Medium: Head 1900 MHz Medium parameters used: $f = 1880$ MHz; $\sigma = 1.4$ mho/m; $\epsilon_r = 39.9$; $\rho = 1000$ kg/m³

Phantom section: Right 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 160

PG-C120/Area Scan (91x141x1): Measurement grid: dx=10mm, dy=10mm

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

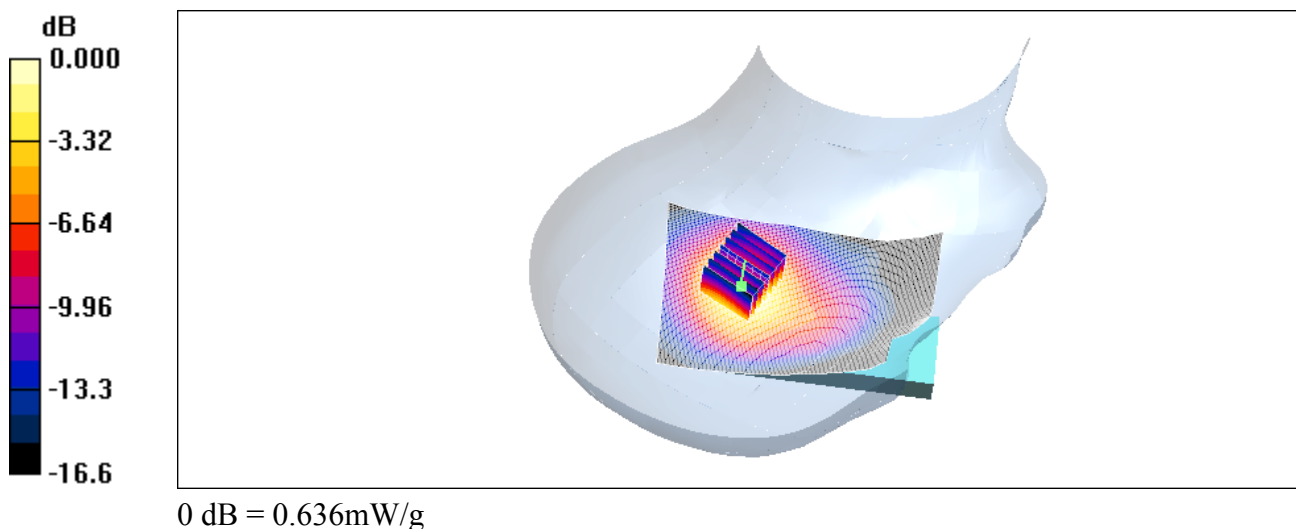
PG-C120/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 19.9 V/m; Power Drift = 0.002 dB

Peak SAR (extrapolated) = 0.935 W/kg

SAR(1 g) = 0.578 mW/g; SAR(10 g) = 0.324 mW/g

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



Test Laboratory: ELECTRONIC TECHNOLOGY SYSTEMS DR. GENZ GMBH

1900_left_ch661_cheek

DUT: Triple-Band GSM 850 /DCS 1800 /PCS1900 (with WAP & GPRS); Type: ---;
Serial: PG-C120

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

Medium: Head 1900 MHz Medium parameters used: $f = 1880 \text{ MHz}$; $\sigma = 1.4 \text{ mho/m}$; $\epsilon_r = 39.9$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Left 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 160

PG-C120/Area Scan (91x141x1): Measurement grid: $dx=10\text{mm}$, $dy=10\text{mm}$

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

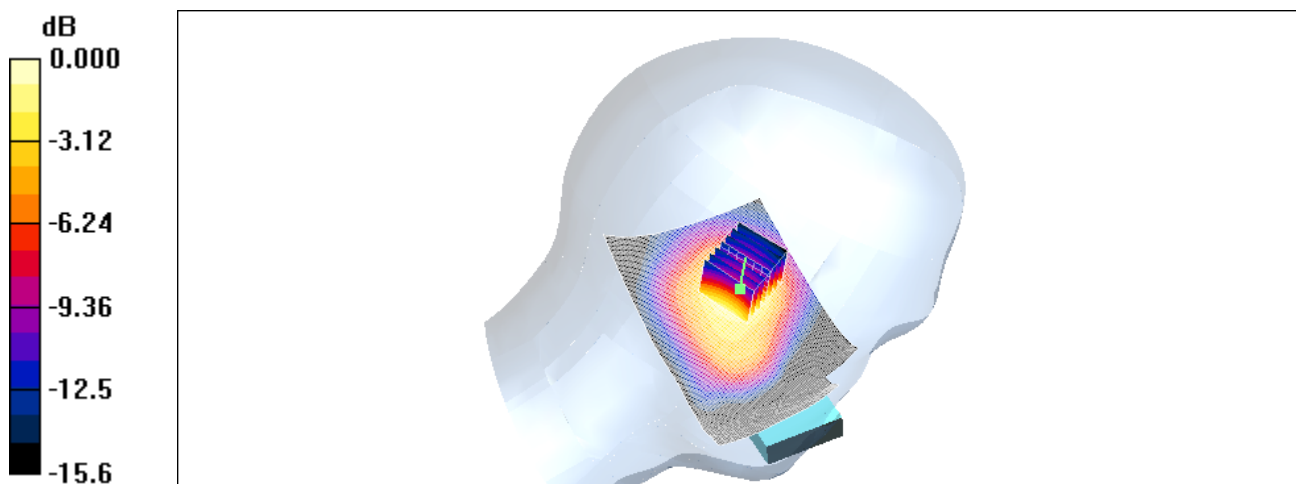
PG-C120/Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5\text{mm}$, $dy=5\text{mm}$, $dz=5\text{mm}$

Reference Value = 19.5 V/m ; Power Drift = 0.085 dB

Peak SAR (extrapolated) = 0.863 W/kg

SAR(1 g) = 0.584 mW/g ; SAR(10 g) = 0.356 mW/g

Maximum value of SAR (measured) = 0.642 mW/g



0 dB = 0.642 mW/g

Test Laboratory: ELECTRONIC TECHNOLOGY SYSTEMS DR. GENZ GMBH

1900_left_ch661_tilted

DUT: Triple-Band GSM 850/DCS 1800 /PCS1900 (with WAP & GPRS); Type: ---; Serial: PG-C120

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

Medium: Head 1900 MHz Medium parameters used: $f = 1880$ MHz; $\sigma = 1.4$ mho/m; $\epsilon_r = 39.9$; $\rho = 1000$ kg/m³

Phantom section: Left 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 160

PG-C120/Area Scan (91x141x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 0.708 mW/g

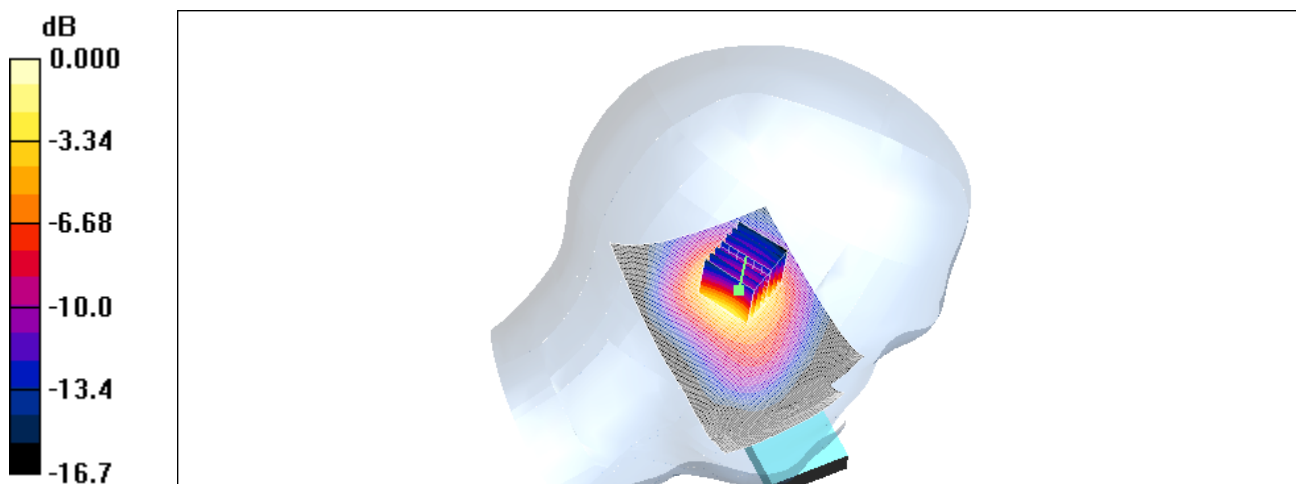
PG-C120/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 21.5 V/m; Power Drift = 0.046 dB

Peak SAR (extrapolated) = 1.05 W/kg

SAR(1 g) = 0.659 mW/g; SAR(10 g) = 0.378 mW/g

Maximum value of SAR (measured) = 0.728 mW/g



0 dB = 0.728mW/g

Test Laboratory: ELECTRONIC TECHNOLOGY SYSTEMS DR. GENZ GMBH

1900_left_ch512_tilted

DUT: Triple-Band GSM 850/DCS 1800 /PCS1900 (with WAP & GPRS); Type: ---; Serial: PG-C120

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

Medium: Head 1900 MHz Medium parameters used: $f = 1850.2 \text{ MHz}$; $\sigma = 1.37 \text{ mho/m}$; $\epsilon_r = 39.9$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Left 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 160

PG-C120/Area Scan (91x141x1): Measurement grid: $dx=10\text{mm}$, $dy=10\text{mm}$

Maximum value of SAR (interpolated) = 0.396 mW/g

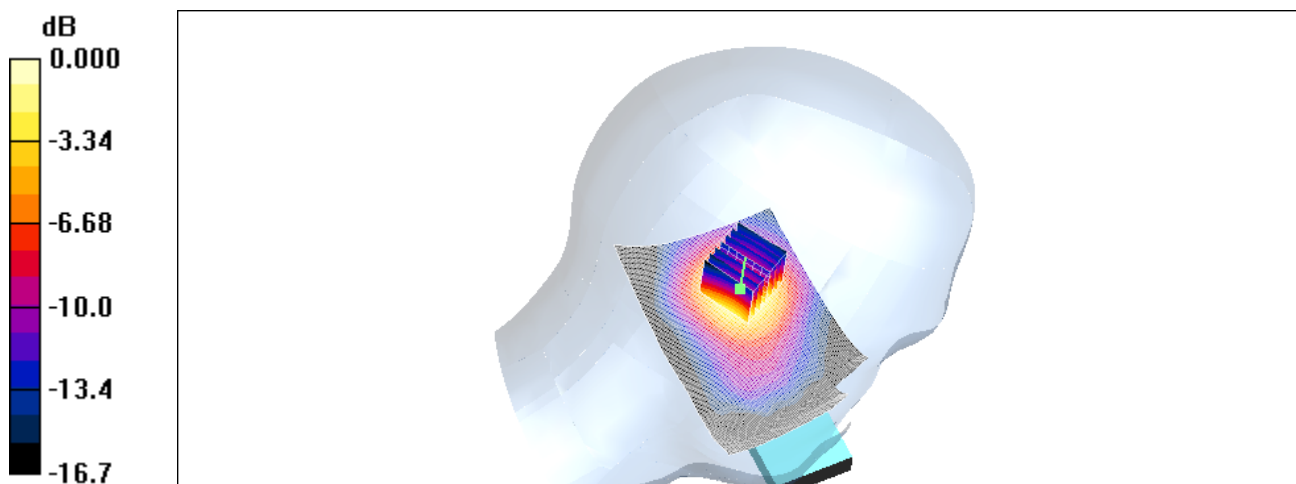
PG-C120/Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5\text{mm}$, $dy=5\text{mm}$, $dz=5\text{mm}$

Reference Value = 16.0 V/m ; Power Drift = -0.007 dB

Peak SAR (extrapolated) = 0.574 W/kg

SAR(1 g) = 0.363 mW/g ; SAR(10 g) = 0.208 mW/g

Maximum value of SAR (measured) = 0.403 mW/g



0 dB = 0.403 mW/g

Test Laboratory: ELECTRONIC TECHNOLOGY SYSTEMS DR. GENZ GMBH

1900_left_ch810_tilted

DUT: Triple-Band GSM 850/DCS 1800 /PCS1900 (with WAP & GPRS); Type: ---; Serial: PG-C120

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

Medium: Head 1900 MHz Medium parameters used: $f = 1909.8 \text{ MHz}$; $\sigma = 1.43 \text{ mho/m}$; $\epsilon_r = 39.8$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Left 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 160

PG-C120/Area Scan (91x141x1): Measurement grid: $dx=10\text{mm}$, $dy=10\text{mm}$

Maximum value of SAR (interpolated) = 0.826 mW/g

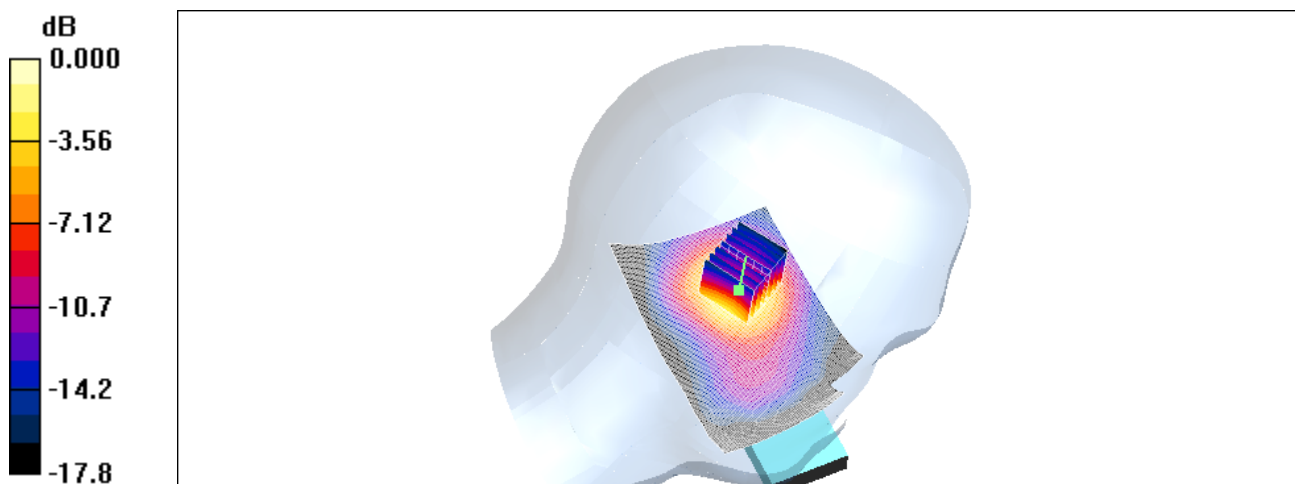
PG-C120/Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5\text{mm}$, $dy=5\text{mm}$, $dz=5\text{mm}$

Reference Value = 22.2 V/m ; Power Drift = -0.031 dB

Peak SAR (extrapolated) = 1.20 W/kg

SAR(1 g) = 0.732 mW/g ; SAR(10 g) = 0.404 mW/g

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



0 dB = 0.813 mW/g

Test Laboratory: ELECTRONIC TECHNOLOGY SYSTEMS DR. GENZ GMBH

1900_flat_ch661_front_dist_5mm_

DUT: Triple-Band GSM 850 /DCS 1800 /PCS1900 (with WAP & GPRS); Type: ---; Serial: PG-C120

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

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

PG-C120/Area Scan (91x101x1): Measurement grid: $dx=10\text{mm}$, $dy=10\text{mm}$

Maximum value of SAR (interpolated) = 0.501 mW/g

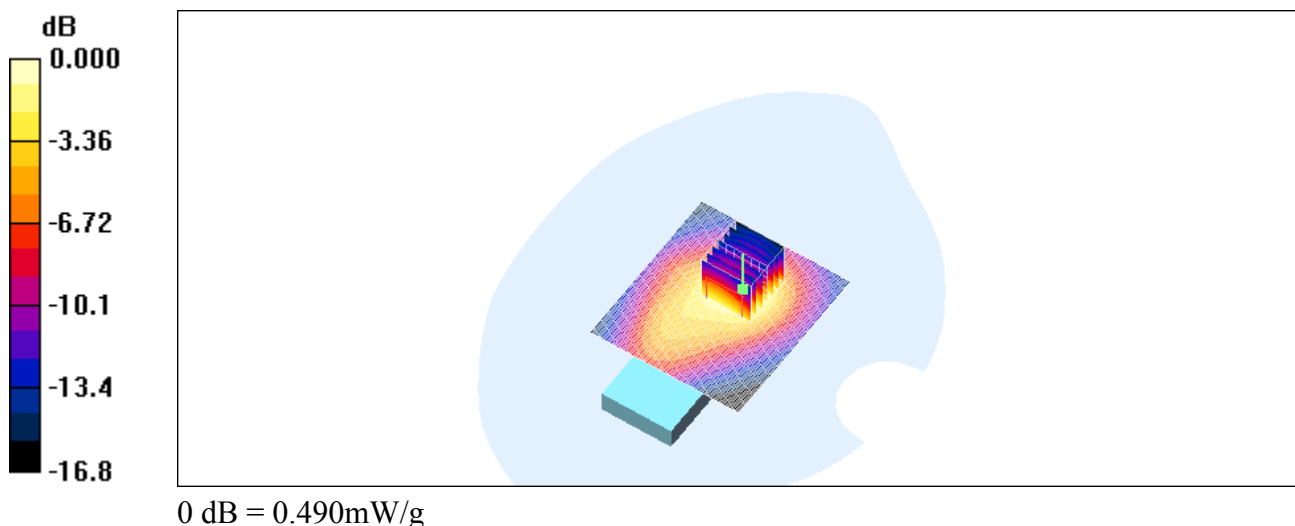
PG-C120/Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5\text{mm}$, $dy=5\text{mm}$, $dz=5\text{mm}$

Reference Value = 15.6 V/m ; Power Drift = 0.042 dB

Peak SAR (extrapolated) = 0.744 W/kg

SAR(1 g) = 0.442 mW/g ; SAR(10 g) = 0.261 mW/g

Maximum value of SAR (measured) = 0.490 mW/g



Test Laboratory: ELECTRONIC TECHNOLOGY SYSTEMS DR. GENZ GMBH

1900_flat_ch512_back_dist_5mm

DUT: Triple-Band GSM 850 /DCS 1800 /PCS1900 (with WAP & GPRS); Type: ---; Serial: PG-C120

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

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

PG-C120/Area Scan (91x101x1): Measurement grid: $dx=10\text{mm}$, $dy=10\text{mm}$

Maximum value of SAR (interpolated) = 0.882 mW/g

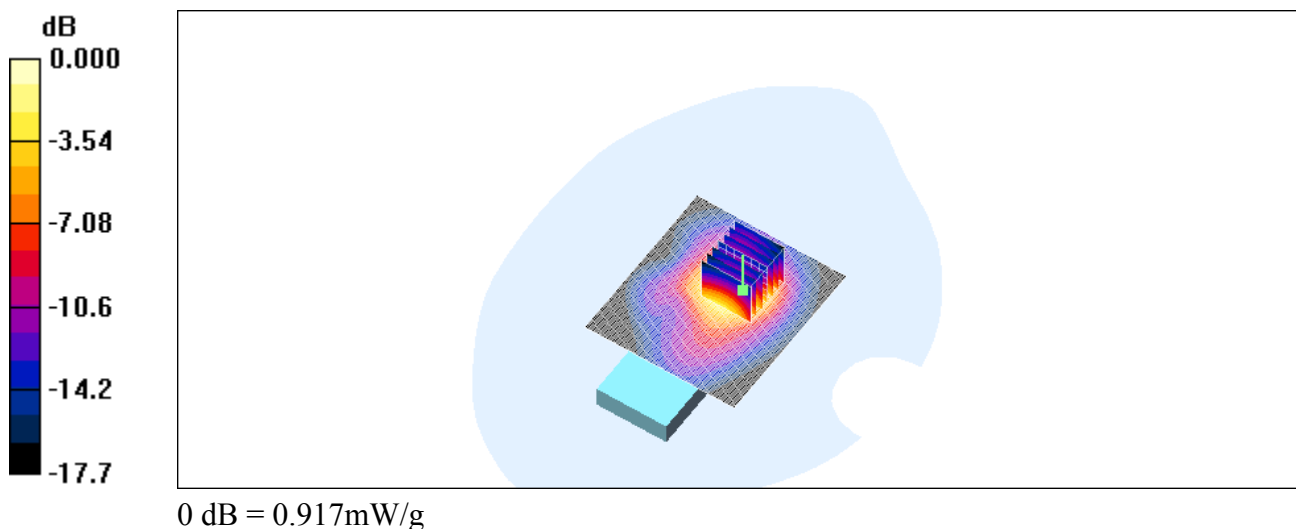
PG-C120/Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5\text{mm}$, $dy=5\text{mm}$, $dz=5\text{mm}$

Reference Value = 20.3 V/m ; Power Drift = 0.083 dB

Peak SAR (extrapolated) = 1.65 W/kg

SAR(1 g) = 0.812 mW/g ; SAR(10 g) = 0.417 mW/g

Maximum value of SAR (measured) = 0.917 mW/g



Test Laboratory: ELECTRONIC TECHNOLOGY SYSTEMS DR. GENZ GMBH

1900_flat_ch661_back_dist_5mm_

DUT: Triple-Band GSM 850 /DCS 1800 /PCS1900 (with WAP & GPRS); Type: ---; Serial: PG-C120

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

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

PG-C120/Area Scan (91x101x1): Measurement grid: $dx=10\text{mm}$, $dy=10\text{mm}$

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

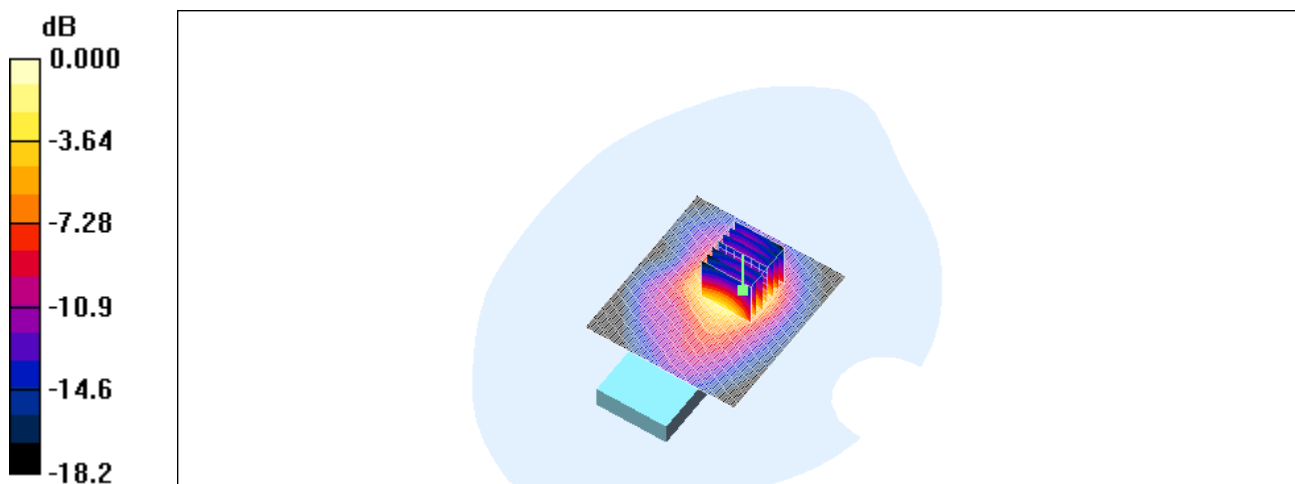
PG-C120/Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5\text{mm}$, $dy=5\text{mm}$, $dz=5\text{mm}$

Reference Value = 24.4 V/m; Power Drift = -0.008 dB

Peak SAR (extrapolated) = 2.47 W/kg

SAR(1 g) = 1.17 mW/g; SAR(10 g) = 0.593 mW/g

Maximum value of SAR (measured) = 1.34 mW/g



0 dB = 1.34mW/g

Test Laboratory: ELECTRONIC TECHNOLOGY SYSTEMS DR. GENZ GMBH

1900_flat_ch810_back_dist_5mm

DUT: Triple-Band GSM 850 /DCS 1800 /PCS1900 (with WAP & GPRS); Type: ---; Serial: PG-C120

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

Medium: Muscle 1900 MHz Medium parameters used: $f = 1909.8$ MHz; $\sigma = 1.59$ mho/m; $\epsilon_r = 51.8$;

$\rho = 1000$ kg/m³

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

PG-C120/Area Scan (91x101x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 1.50 mW/g

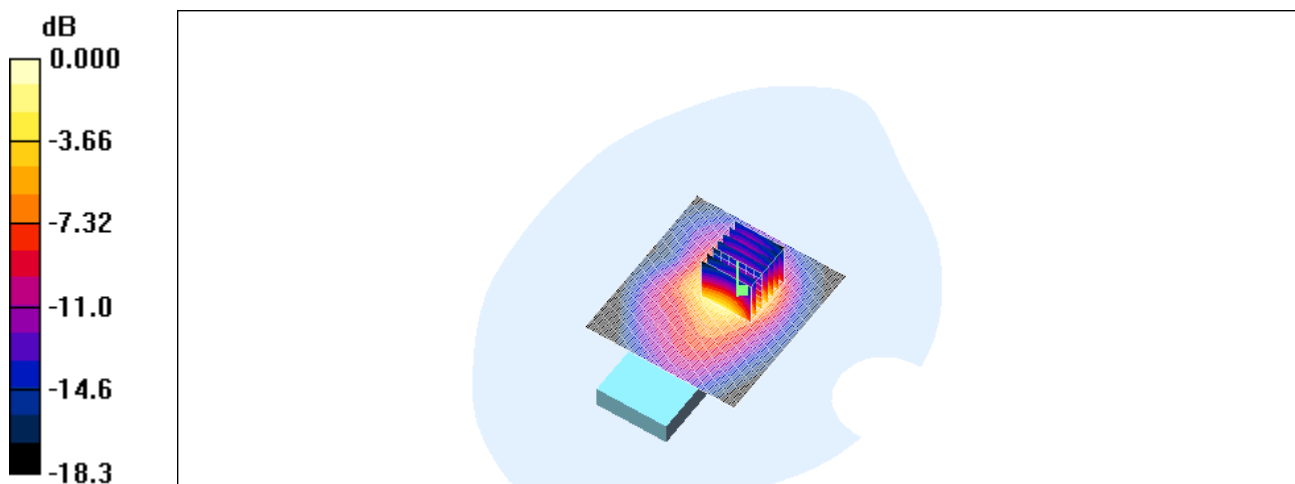
PG-C120/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 25.7 V/m; Power Drift = 0.002 dB

Peak SAR (extrapolated) = 2.95 W/kg

SAR(1 g) = 1.39 mW/g; SAR(10 g) = 0.695 mW/g

Maximum value of SAR (measured) = 1.55 mW/g



0 dB = 1.55mW/g

Test Laboratory: ELECTRONIC TECHNOLOGY SYSTEMS DR. GENZ GMBH

850_flat_ch251_back_dist_5mm_z-axis

DUT: Triple-Band GSM 850 /DCS 1800 /PCS1900 (with WAP & GPRS); Type: ---; Serial: PG-C120

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

Medium: Head 850 MHz Medium parameters used: $f = 848.8$ MHz; $\sigma = 0.928$ mho/m; $\epsilon_r = 41.7$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1711; ConvF(5.99, 5.99, 5.99); 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

PG-C120/Area Scan (91x101x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 1.62 mW/g

PG-C120/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 42.3 V/m; Power Drift = -0.008 dB

Peak SAR (extrapolated) = 3.08 W/kg

SAR(1 g) = 1.43 mW/g; SAR(10 g) = 1.01 mW/g

Maximum value of SAR (measured) = 1.68 mW/g

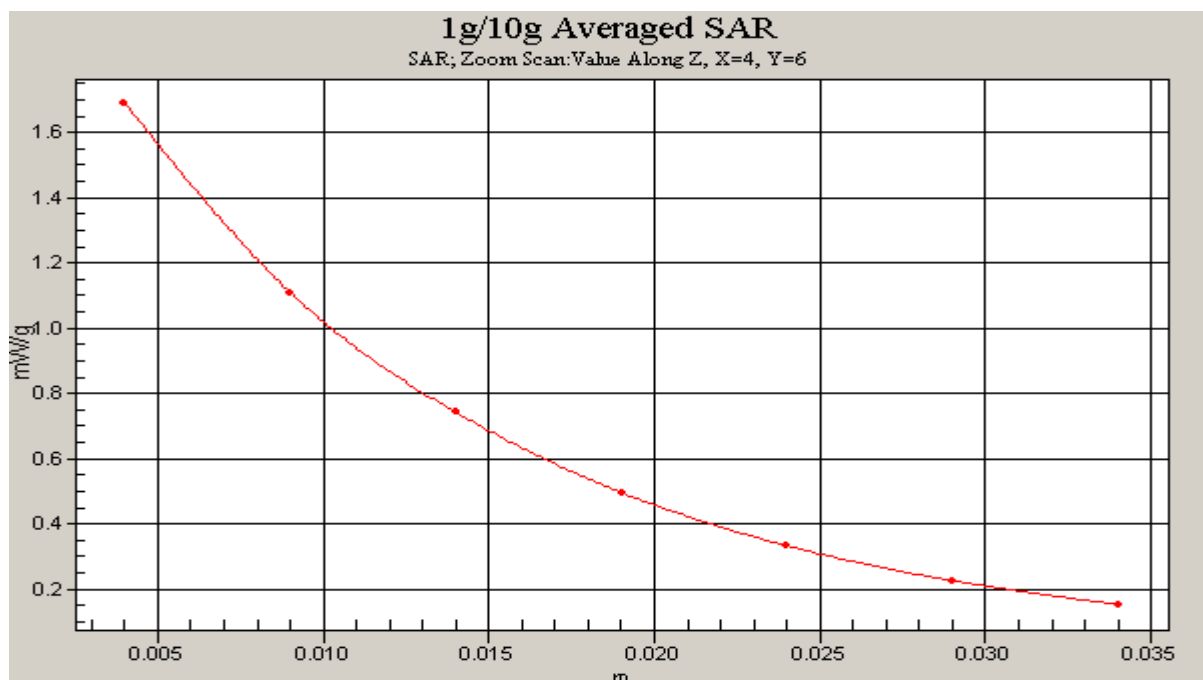
PG-C120/Zoom Scan (7x7x7)/Cube 1: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 42.3 V/m; Power Drift = -0.008 dB

Peak SAR (extrapolated) = 2.31 W/kg

SAR(1 g) = 1.49 mW/g; SAR(10 g) = 1.03 mW/g

Maximum value of SAR (measured) = 1.69 mW/g



Appendix C

Pictures

Appendix

C. Pictures





