

Appendix B

Measurement Plots

Test Laboratory: ELECTRONIC TECHNOLOGY SYSTEMS DR. GENZ GMBH

Dipol Valid.900(h)_250mW_13.05.2004

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

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

Medium: Head 900 MHz Medium parameters used (interpolated): $f = 900 \text{ MHz}$; $\sigma = 0.958 \text{ mho/m}$; ϵ_r
 $= 41.3$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1711; ConvF(6.2, 6.2, 6.2); Calibrated: 12/16/2003
- Sensor-Surface: 4mm (Mechanical And Optical Surface Detection)
- Electronics: DAE3 Sn522; Calibrated: 1/12/2004
- Phantom: SAM 12; Type: TP-1217; Serial: QD000P40CA
- Measurement SW: DASY4, V4.2 Build 44; Postprocessing SW: SEMCAD, V1.8 Build 112

Dipol 900/Area Scan (81x141x1): Measurement grid: $dx=10\text{mm}$, $dy=10\text{mm}$

Reference Value = 58.3 V/m; Power Drift = -0.0 dB

Maximum value of SAR (interpolated) = 3 mW/g

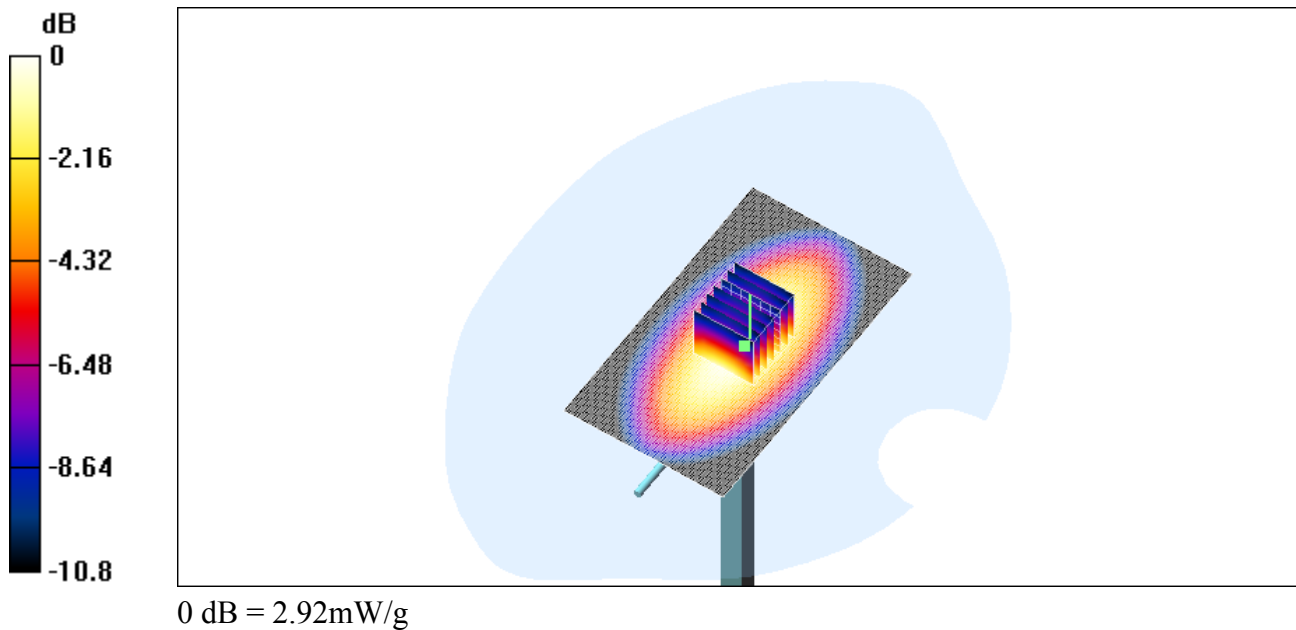
Dipol 900/Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5\text{mm}$, $dy=5\text{mm}$, $dz=5\text{mm}$

Reference Value = 58.3 V/m; Power Drift = -0.2 dB

Maximum value of SAR (measured) = 2.92 mW/g

Peak SAR (extrapolated) = 3.91 W/kg

SAR(1 g) = 2.69 mW/g; SAR(10 g) = 1.75 mW/g



Test Laboratory: ELECTRONIC TECHNOLOGY SYSTEMS DR. GENZ GMBH

Dipol Valid.1900(h)_250mW_12.05.2004

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; $\sigma = 1.42$ mho/m;

$\epsilon_r = 39.8$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1711; ConvF(5.2, 5.2, 5.2); Calibrated: 12/16/2003
- Sensor-Surface: 4mm (Mechanical And Optical Surface Detection)
- Electronics: DAE3 Sn522; Calibrated: 1/12/2004
- Phantom: SAM 12; Type: TP-1217; Serial: QD000P40CA
- Measurement SW: DASY4, V4.2 Build 44; Postprocessing SW: SEMCAD, V1.8 Build 112

Dipol 1900 /Area Scan (81x81x1): Measurement grid: $dx=10$ mm, $dy=10$ mm

Reference Value = 95.7 V/m; Power Drift = -0.0 dB

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

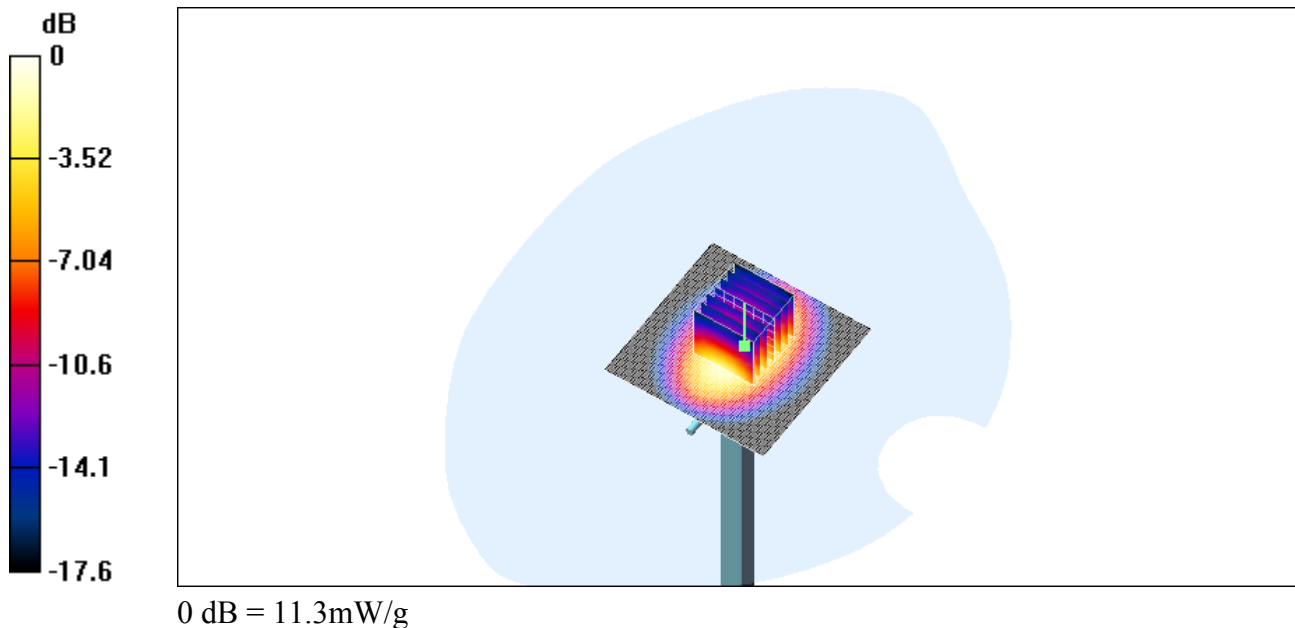
Dipol 1900 /Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm

Reference Value = 95.7 V/m; Power Drift = -0.0 dB

Maximum value of SAR (measured) = 11.3 mW/g

Peak SAR (extrapolated) = 17.1 W/kg

SAR(1 g) = 10 mW/g; SAR(10 g) = 5.29 mW/g



Test Laboratory: ELECTRONIC TECHNOLOGY SYSTEMS DR. GENZ GMBH

Dipol Valid.1900(h)_250mW_13.05.2004

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; $\sigma = 1.42$ mho/m;
 $\epsilon_r = 39.8$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1711; ConvF(5.2, 5.2, 5.2); Calibrated: 12/16/2003
- Sensor-Surface: 4mm (Mechanical And Optical Surface Detection)
- Electronics: DAE3 Sn522; Calibrated: 1/12/2004
- Phantom: SAM 12; Type: TP-1217; Serial: QD000P40CA
- Measurement SW: DASY4, V4.2 Build 44; Postprocessing SW: SEMCAD, V1.8 Build 112

Dipol 1900/Area Scan (81x81x1): Measurement grid: dx=10mm, dy=10mm

Reference Value = 95.3 V/m; Power Drift = -0.1 dB

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

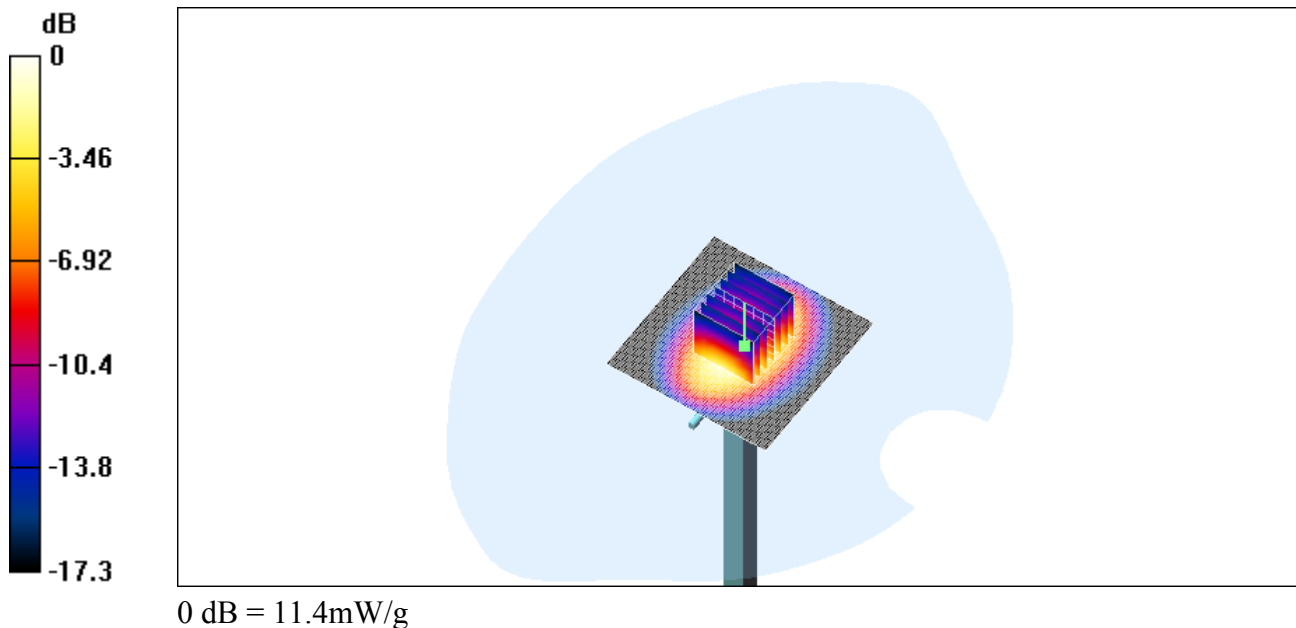
Dipol 1900/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 95.3 V/m; Power Drift = -0.1 dB

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

Peak SAR (extrapolated) = 17.1 W/kg

SAR(1 g) = 10 mW/g; SAR(10 g) = 5.33 mW/g



Test Laboratory: ELECTRONIC TECHNOLOGY SYSTEMS DR. GENZ GMBH

Dipol Valid.900(m)_250mW_11.05.2004

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(6, 6, 6); Calibrated: 12/16/2003
- Sensor-Surface: 4mm (Mechanical And Optical Surface Detection)
- Electronics: DAE3 Sn522; Calibrated: 1/12/2004
- Phantom: SAM 12; Type: TP-1217; Serial: QD000P40CA
- Measurement SW: DASY4, V4.2 Build 44; Postprocessing SW: SEMCAD, V1.8 Build 112

Dipol 900 (250mW)/Area Scan (81x121x1): Measurement grid: $dx=10\text{mm}$, $dy=10\text{mm}$

Reference Value = 58 V/m; Power Drift = -0.0 dB

Maximum value of SAR (interpolated) = 3.18 mW/g

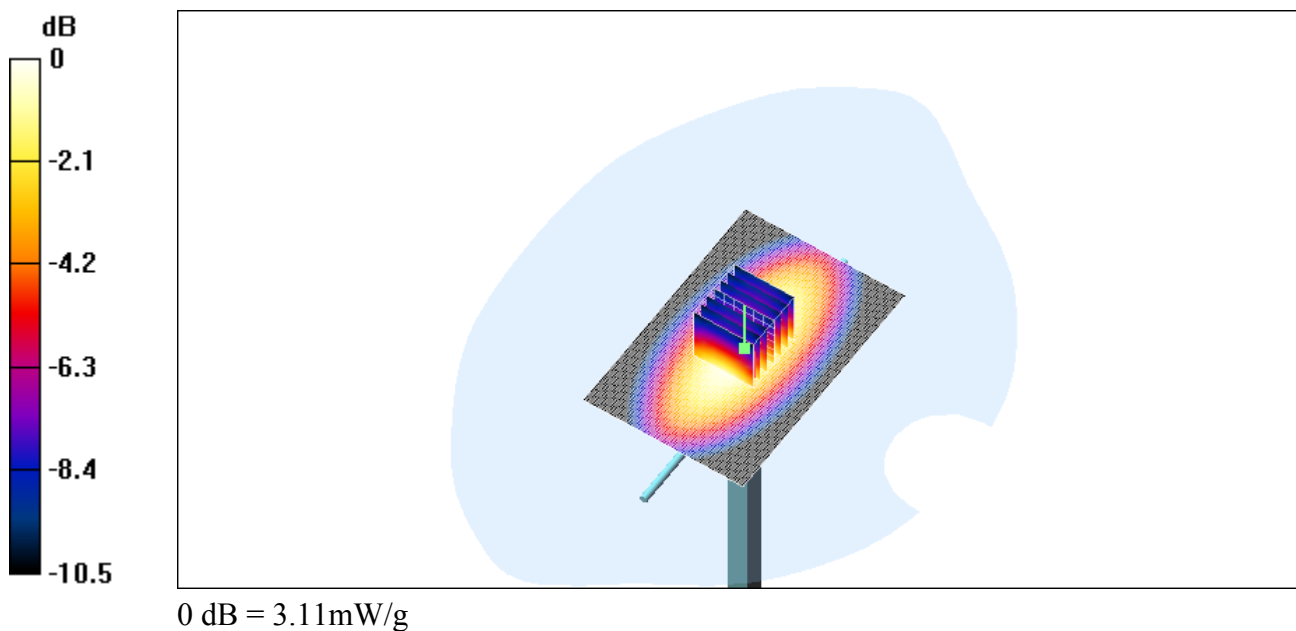
Dipol 900 (250mW)/Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5\text{mm}$, $dy=5\text{mm}$, $dz=5\text{mm}$

Reference Value = 58 V/m; Power Drift = -0.0 dB

Maximum value of SAR (measured) = 3.11 mW/g

Peak SAR (extrapolated) = 4.19 W/kg

SAR(1 g) = 2.86 mW/g; SAR(10 g) = 1.87 mW/g



Test Laboratory: ELECTRONIC TECHNOLOGY SYSTEMS DR. GENZ GMBH

Dipol Valid.900(m)_250mW_12.05.2004

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(6, 6, 6); Calibrated: 12/16/2003
- Sensor-Surface: 4mm (Mechanical And Optical Surface Detection)
- Electronics: DAE3 Sn522; Calibrated: 1/12/2004
- Phantom: SAM 12; Type: TP-1217; Serial: QD000P40CA
- Measurement SW: DASY4, V4.2 Build 44; Postprocessing SW: SEMCAD, V1.8 Build 112

Dipol 900 (250mW)/Area Scan (81x121x1): Measurement grid: $dx=10\text{mm}$, $dy=10\text{mm}$

Reference Value = 57.5 V/m; Power Drift = -0.1 dB

Maximum value of SAR (interpolated) = 3.11 mW/g

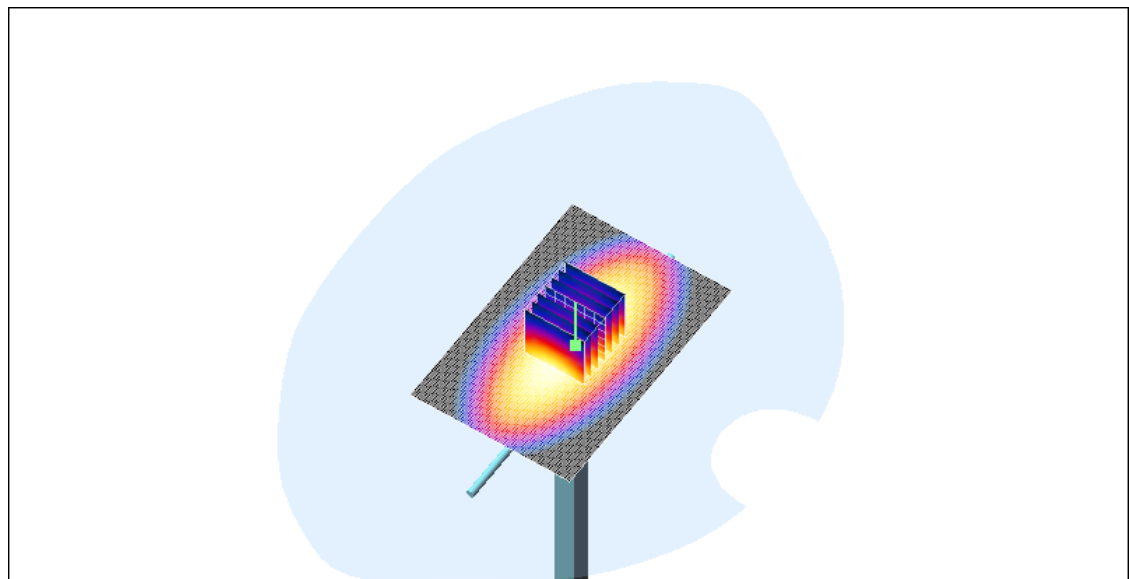
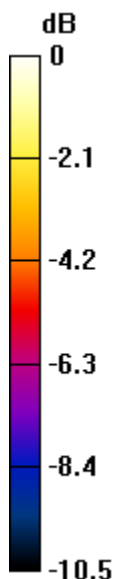
Dipol 900 (250mW)/Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5\text{mm}$, $dy=5\text{mm}$, $dz=5\text{mm}$

Reference Value = 57.5 V/m; Power Drift = -0.1 dB

Maximum value of SAR (measured) = 3.1 mW/g

Peak SAR (extrapolated) = 4.13 W/kg

SAR(1 g) = 2.84 mW/g; SAR(10 g) = 1.85 mW/g



0 dB = 3.1mW/g

Test Laboratory: ELECTRONIC TECHNOLOGY SYSTEMS DR. GENZ GMBH

Dipol Valid.1900(m)_250mW_11.05.2004

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(4.6, 4.6, 4.6); Calibrated: 12/16/2003
- Sensor-Surface: 4mm (Mechanical And Optical Surface Detection)
- Electronics: DAE3 Sn522; Calibrated: 1/12/2004
- Phantom: SAM 12; Type: TP-1217; Serial: QD000P40CA
- Measurement SW: DASY4, V4.2 Build 44; Postprocessing SW: SEMCAD, V1.8 Build 112

Dipol 1900 (250mW)/Area Scan (81x81x1): Measurement grid: $dx=10\text{mm}$, $dy=10\text{mm}$

Reference Value = 96.1 V/m; Power Drift = -0.0 dB

Maximum value of SAR (interpolated) = 12.8 mW/g

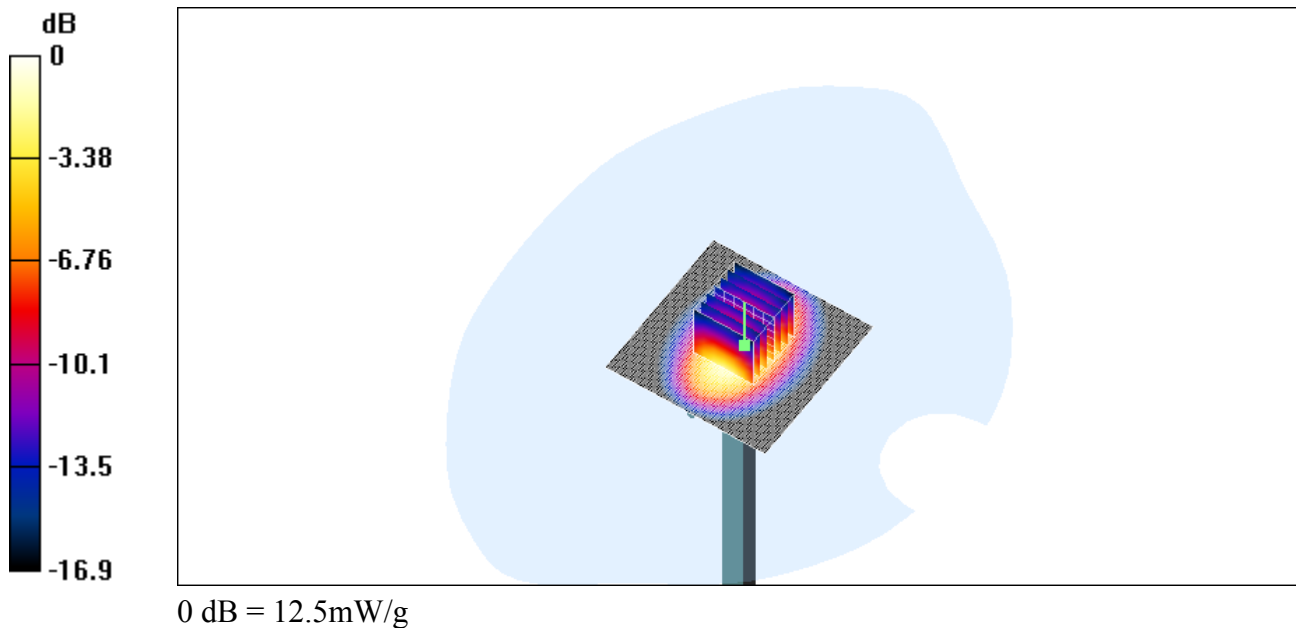
Dipol 1900 (250mW)/Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5\text{mm}$, $dy=5\text{mm}$, $dz=5\text{mm}$

Reference Value = 96.1 V/m; Power Drift = -0.0 dB

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

Peak SAR (extrapolated) = 18.2 W/kg

SAR(1 g) = 10.9 mW/g; SAR(10 g) = 5.86 mW/g



Test Laboratory: ELECTRONIC TECHNOLOGY SYSTEMS DR. GENZ GMBH

850_right_ch189_cheek

DUT: Dual Band GSM 850 (E-GSM) / PCS 1900 (with WAP & GPRS); Type: ---; Serial: GB310

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

Medium: Head 850 MHz Medium parameters used (interpolated): $f = 836.4$ MHz; $\sigma = 0.883$ mho/m;

$\epsilon_r = 42.3$; $\rho = 1000$ kg/m³

Phantom section: Right Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1711; ConvF(6.2, 6.2, 6.2); Calibrated: 12/16/2003
- Sensor-Surface: 4mm (Mechanical And Optical Surface Detection)
- Electronics: DAE3 Sn522; Calibrated: 1/12/2004
- Phantom: SAM 12; Type: TP-1217; Serial: QD000P40CA
- Measurement SW: DASY4, V4.2 Build 44; Postprocessing SW: SEMCAD, V1.8 Build 112

GB310/Area Scan (91x161x1): Measurement grid: dx=10mm, dy=10mm

Reference Value = 24.3 V/m; Power Drift = -0.0 dB

Maximum value of SAR (interpolated) = 0.852 mW/g

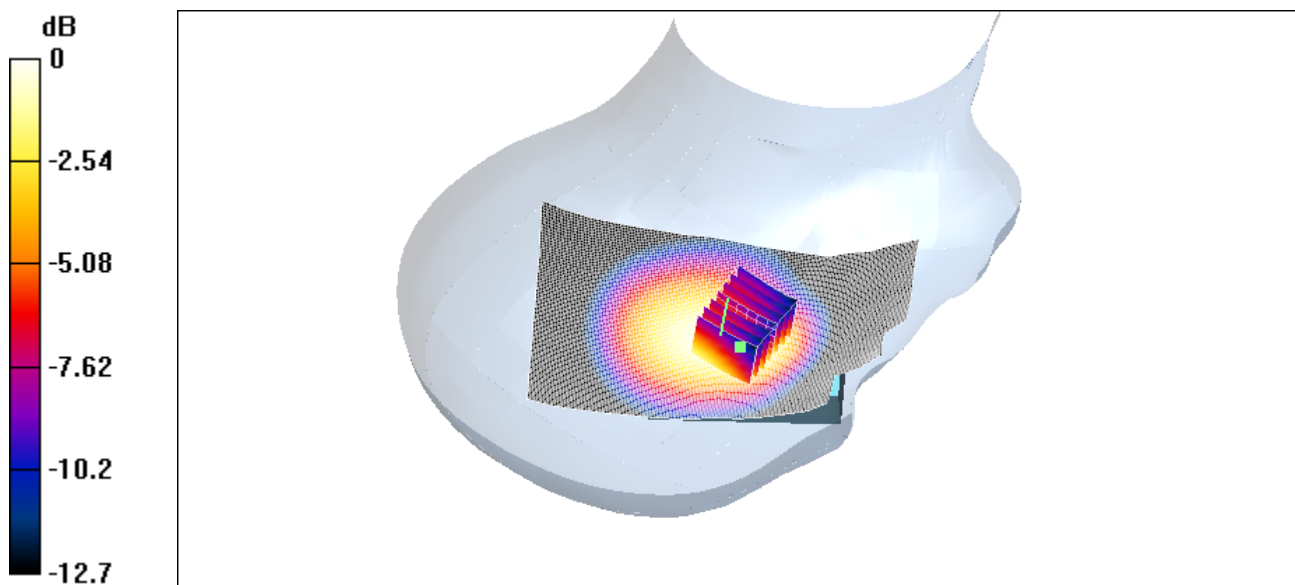
GB310/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 24.3 V/m; Power Drift = -0.0 dB

Maximum value of SAR (measured) = 0.837 mW/g

Peak SAR (extrapolated) = 1.18 W/kg

SAR(1 g) = 0.795 mW/g; SAR(10 g) = 0.535 mW/g



0 dB = 0.837mW/g

Test Laboratory: ELECTRONIC TECHNOLOGY SYSTEMS DR. GENZ GMBH

850_right_ch189_tilted

DUT: Dual Band GSM 850 (E-GSM) / PCS 1900 (with WAP & GPRS); Type: ---; Serial: GB310

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

Medium: Head 850 MHz Medium parameters used (interpolated): $f = 836.4$ MHz; $\sigma = 0.883$ mho/m;

$\epsilon_r = 42.3$; $\rho = 1000$ kg/m³

Phantom section: Right Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1711; ConvF(6.2, 6.2, 6.2); Calibrated: 12/16/2003
- Sensor-Surface: 4mm (Mechanical And Optical Surface Detection)
- Electronics: DAE3 Sn522; Calibrated: 1/12/2004
- Phantom: SAM 12; Type: TP-1217; Serial: QD000P40CA
- Measurement SW: DASY4, V4.2 Build 44; Postprocessing SW: SEMCAD, V1.8 Build 112

GB310/Area Scan (91x161x1): Measurement grid: dx=10mm, dy=10mm

Reference Value = 22.1 V/m; Power Drift = -0.003 dB

Maximum value of SAR (interpolated) = 0.538 mW/g

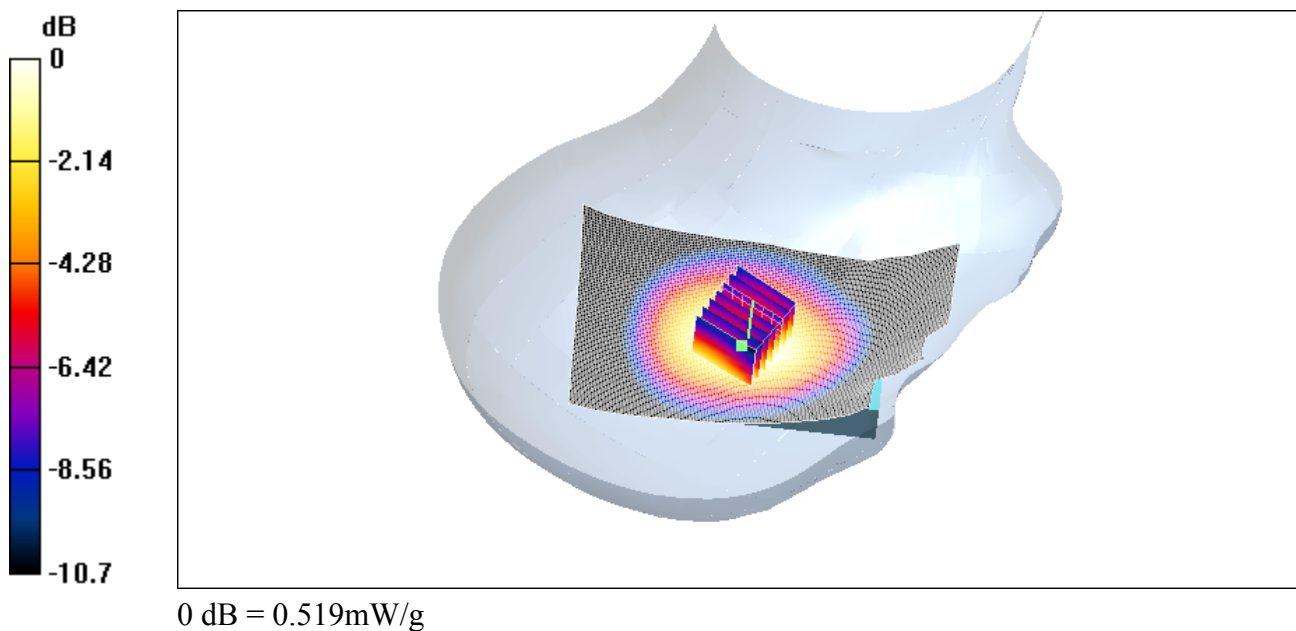
GB310/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 22.1 V/m; Power Drift = -0.003 dB

Maximum value of SAR (measured) = 0.519 mW/g

Peak SAR (extrapolated) = 0.630 W/kg

SAR(1 g) = 0.491 mW/g; SAR(10 g) = 0.346 mW/g



Test Laboratory: ELECTRONIC TECHNOLOGY SYSTEMS DR. GENZ GMBH

850_left_ch128_cheek

DUT: Dual Band GSM 850 (E-GSM) / PCS 1900 (with WAP & GPRS); Type: ---; Serial: GB310

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

Medium: Head 850 MHz Medium parameters used (interpolated): $f = 824.2$ MHz; $\sigma = 0.892$ mho/m;

$\epsilon_r = 42.2$; $\rho = 1000$ kg/m³

Phantom section: Left Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1711; ConvF(6.2, 6.2, 6.2); Calibrated: 12/16/2003
- Sensor-Surface: 4mm (Mechanical And Optical Surface Detection)
- Electronics: DAE3 Sn522; Calibrated: 1/12/2004
- Phantom: SAM 12; Type: TP-1217; Serial: QD000P40CA
- Measurement SW: DASY4, V4.2 Build 44; Postprocessing SW: SEMCAD, V1.8 Build 112

GB310/Area Scan (91x161x1): Measurement grid: dx=10mm, dy=10mm

Reference Value = 26 V/m; Power Drift = -0.1 dB

Maximum value of SAR (interpolated) = 0.973 mW/g

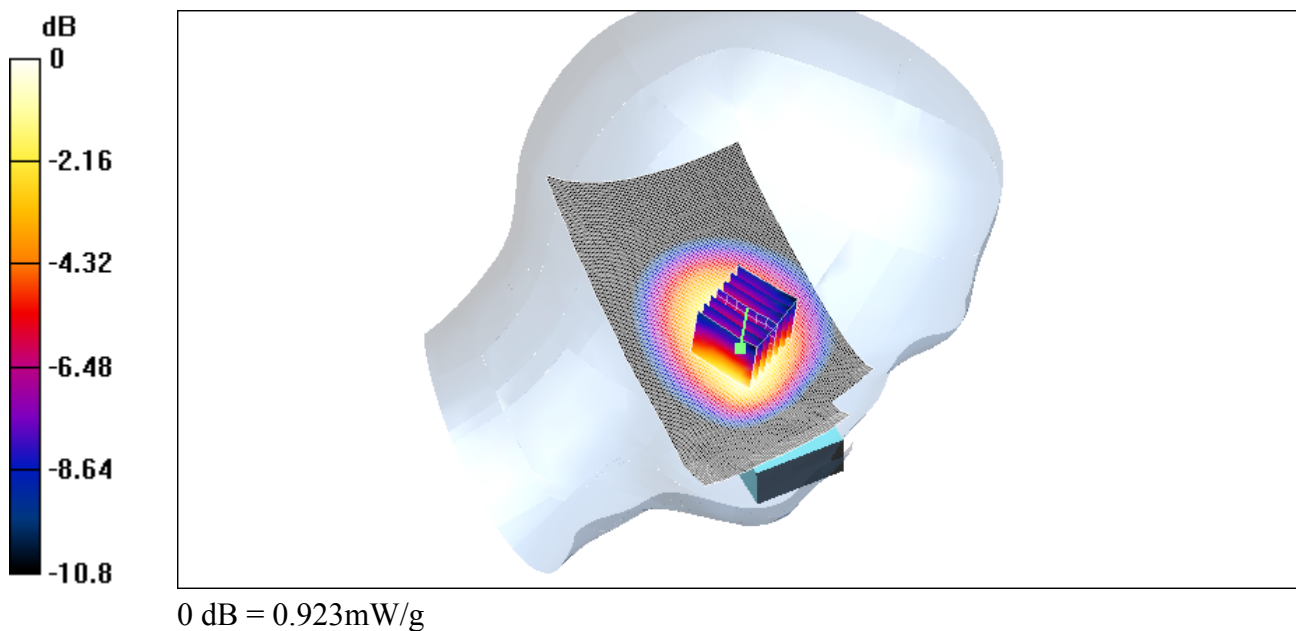
GB310/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 26 V/m; Power Drift = -0.1 dB

Maximum value of SAR (measured) = 0.923 mW/g

Peak SAR (extrapolated) = 1.17 W/kg

SAR(1 g) = 0.861 mW/g; SAR(10 g) = 0.595 mW/g



Test Laboratory: ELECTRONIC TECHNOLOGY SYSTEMS DR. GENZ GMBH

850_left_ch189_cheek

DUT: Dual Band GSM 850 (E-GSM) / PCS 1900 (with WAP & GPRS); Type: ---; Serial: GB310

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

Medium: Head 850 MHz Medium parameters used (interpolated): $f = 836.4$ MHz; $\sigma = 0.883$ mho/m;

$\epsilon_r = 42.3$; $\rho = 1000$ kg/m³

Phantom section: Left Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1711; ConvF(6.2, 6.2, 6.2); Calibrated: 12/16/2003
- Sensor-Surface: 4mm (Mechanical And Optical Surface Detection)
- Electronics: DAE3 Sn522; Calibrated: 1/12/2004
- Phantom: SAM 12; Type: TP-1217; Serial: QD000P40CA
- Measurement SW: DASY4, V4.2 Build 44; Postprocessing SW: SEMCAD, V1.8 Build 112

GB310/Area Scan (91x161x1): Measurement grid: dx=10mm, dy=10mm

Reference Value = 25.1 V/m; Power Drift = -0.1 dB

Maximum value of SAR (interpolated) = 0.890 mW/g

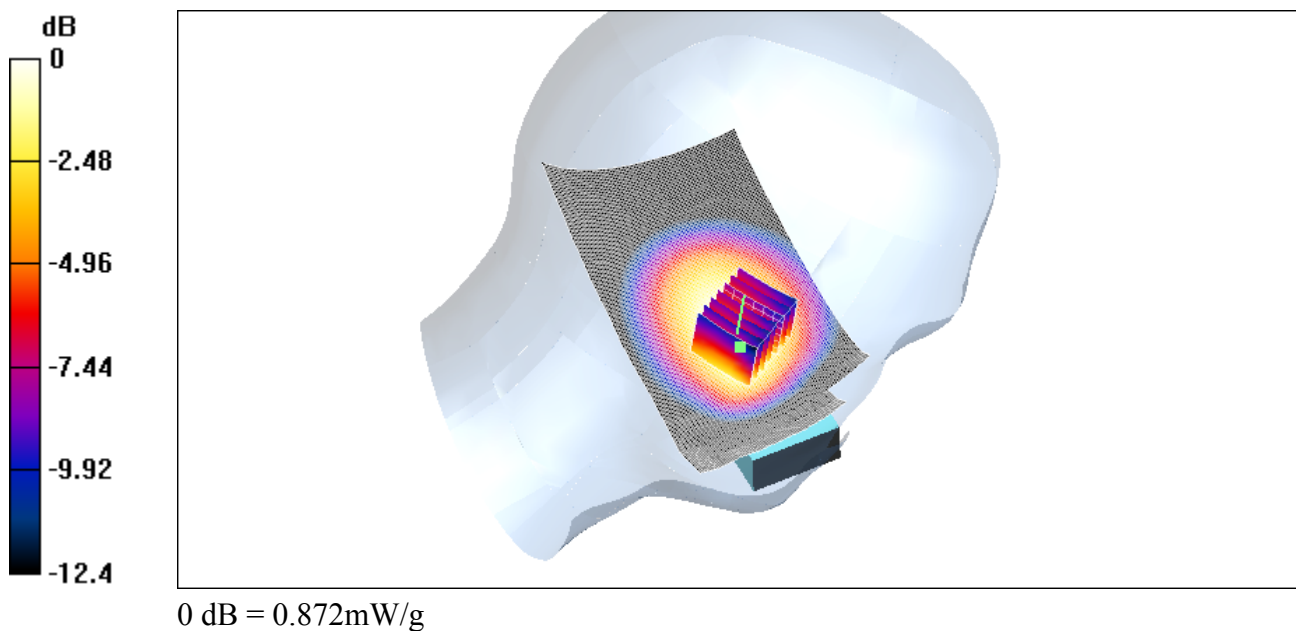
GB310/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 25.1 V/m; Power Drift = -0.1 dB

Maximum value of SAR (measured) = 0.872 mW/g

Peak SAR (extrapolated) = 1.14 W/kg

SAR(1 g) = 0.820 mW/g; SAR(10 g) = 0.567 mW/g



Test Laboratory: ELECTRONIC TECHNOLOGY SYSTEMS DR. GENZ GMBH

850_left_ch189_tilted

DUT: Dual Band GSM 850 (E-GSM) / PCS 1900 (with WAP & GPRS); Type: ---; Serial: GB310

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

Medium: Head 850 MHz Medium parameters used (interpolated): $f = 836.4$ MHz; $\sigma = 0.883$ mho/m;

$\epsilon_r = 42.3$; $\rho = 1000$ kg/m³

Phantom section: Left Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1711; ConvF(6.2, 6.2, 6.2); Calibrated: 12/16/2003
- Sensor-Surface: 4mm (Mechanical And Optical Surface Detection)
- Electronics: DAE3 Sn522; Calibrated: 1/12/2004
- Phantom: SAM 12; Type: TP-1217; Serial: QD000P40CA
- Measurement SW: DASY4, V4.2 Build 44; Postprocessing SW: SEMCAD, V1.8 Build 112

GB310/Area Scan (91x161x1): Measurement grid: dx=10mm, dy=10mm

Reference Value = 22.9 V/m; Power Drift = 0.0 dB

Maximum value of SAR (interpolated) = 0.580 mW/g

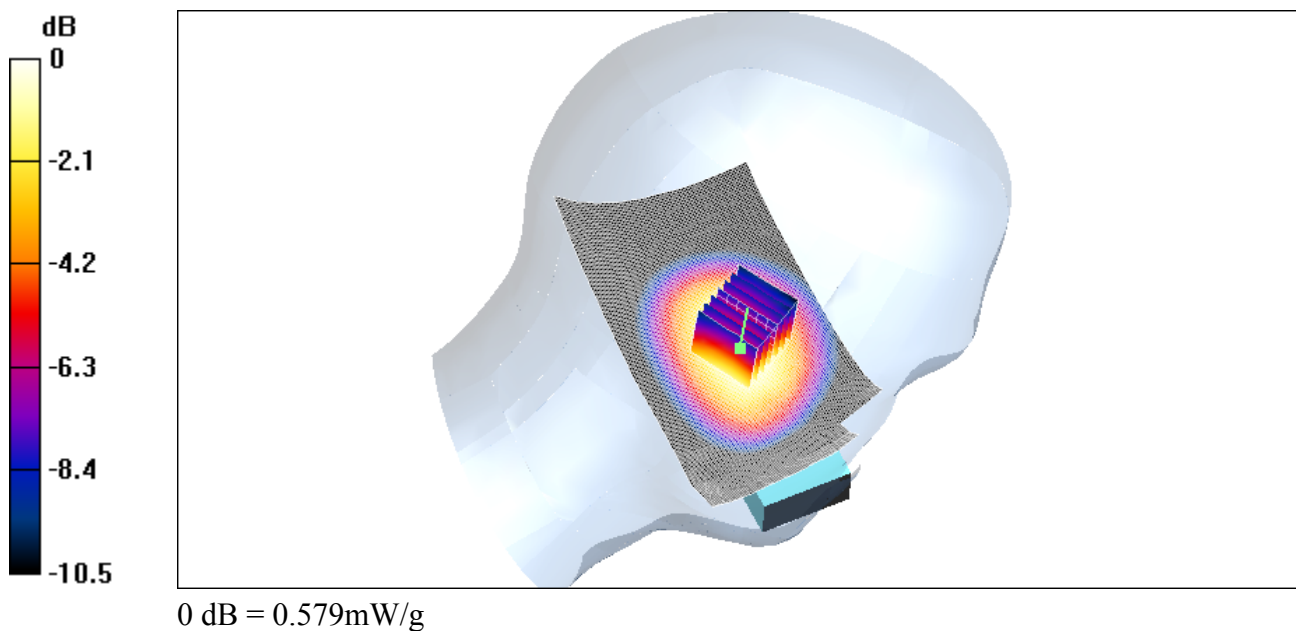
GB310/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 22.9 V/m; Power Drift = 0.0 dB

Maximum value of SAR (measured) = 0.579 mW/g

Peak SAR (extrapolated) = 0.722 W/kg

SAR(1 g) = 0.541 mW/g; SAR(10 g) = 0.376 mW/g



Test Laboratory: ELECTRONIC TECHNOLOGY SYSTEMS DR. GENZ GMBH

850_left_ch251_cheek

DUT: Dual Band GSM 850 (E-GSM) / PCS 1900 (with WAP & GPRS); Type: ---; Serial: GB310

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

Medium: Head 850 MHz Medium parameters used (interpolated): $f = 848.8$ MHz; $\sigma = 0.927$ mho/m;

$\epsilon_r = 41.8$; $\rho = 1000$ kg/m³

Phantom section: Left Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1711; ConvF(6.2, 6.2, 6.2); Calibrated: 12/16/2003
- Sensor-Surface: 4mm (Mechanical And Optical Surface Detection)
- Electronics: DAE3 Sn522; Calibrated: 1/12/2004
- Phantom: SAM 12; Type: TP-1217; Serial: QD000P40CA
- Measurement SW: DASY4, V4.2 Build 44; Postprocessing SW: SEMCAD, V1.8 Build 112

GB310/Area Scan (91x161x1): Measurement grid: dx=10mm, dy=10mm

Reference Value = 23.2 V/m; Power Drift = 0.0 dB

Maximum value of SAR (interpolated) = 0.798 mW/g

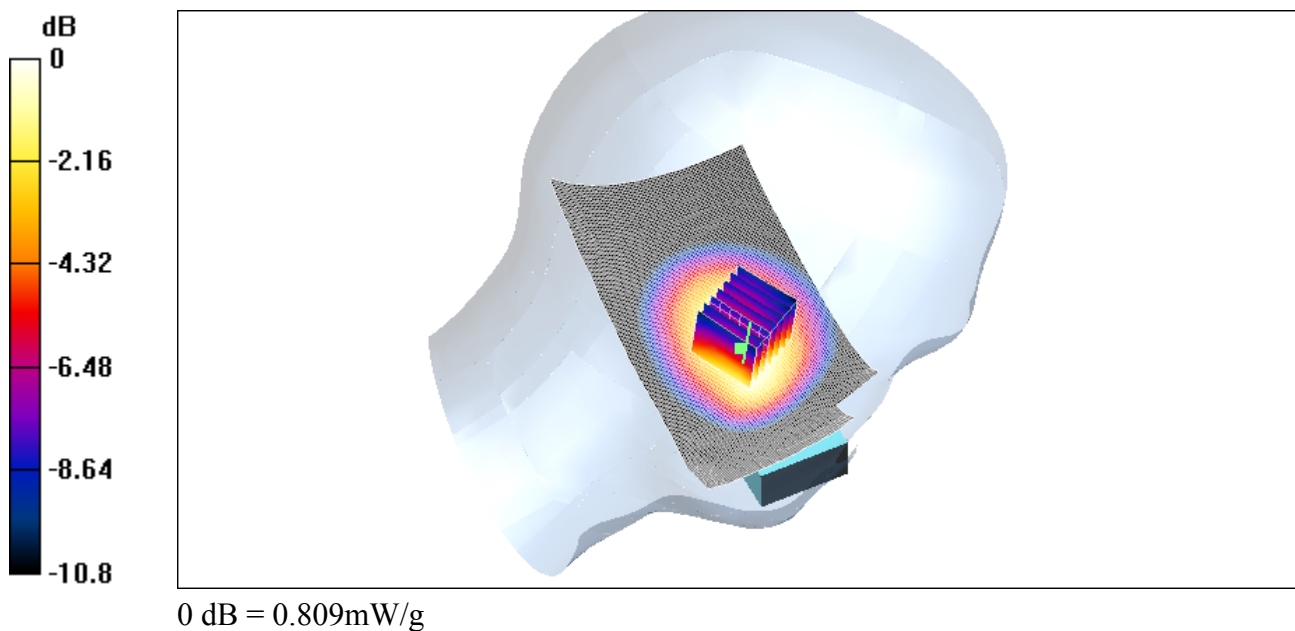
GB310/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 23.2 V/m; Power Drift = 0.0 dB

Maximum value of SAR (measured) = 0.809 mW/g

Peak SAR (extrapolated) = 1.04 W/kg

SAR(1 g) = 0.760 mW/g; SAR(10 g) = 0.520 mW/g



Test Laboratory: ELECTRONIC TECHNOLOGY SYSTEMS DR. GENZ GMBH

850_flat_ch128_back

DUT: Dual Band GSM 850 (E-GSM) / PCS 1900 (with WAP & GPRS); Type: ---; Serial: GB310

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

Medium: Muscle 850 MHz Medium parameters used (interpolated): $f = 824.2 \text{ MHz}$; $\sigma = 0.966 \text{ mho/m}$; $\epsilon_r = 55.1$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1711; ConvF(6, 6, 6); Calibrated: 12/16/2003
- Sensor-Surface: 4mm (Mechanical And Optical Surface Detection)
- Electronics: DAE3 Sn522; Calibrated: 1/12/2004
- Phantom: SAM 12; Type: TP-1217; Serial: QD000P40CA
- Measurement SW: DASY4, V4.2 Build 44; Postprocessing SW: SEMCAD, V1.8 Build 112

GB310/Area Scan (131x81x1): Measurement grid: $dx=10\text{mm}$, $dy=10\text{mm}$

Reference Value = 17.8 V/m; Power Drift = -0.0 dB

Maximum value of SAR (interpolated) = 0.333 mW/g

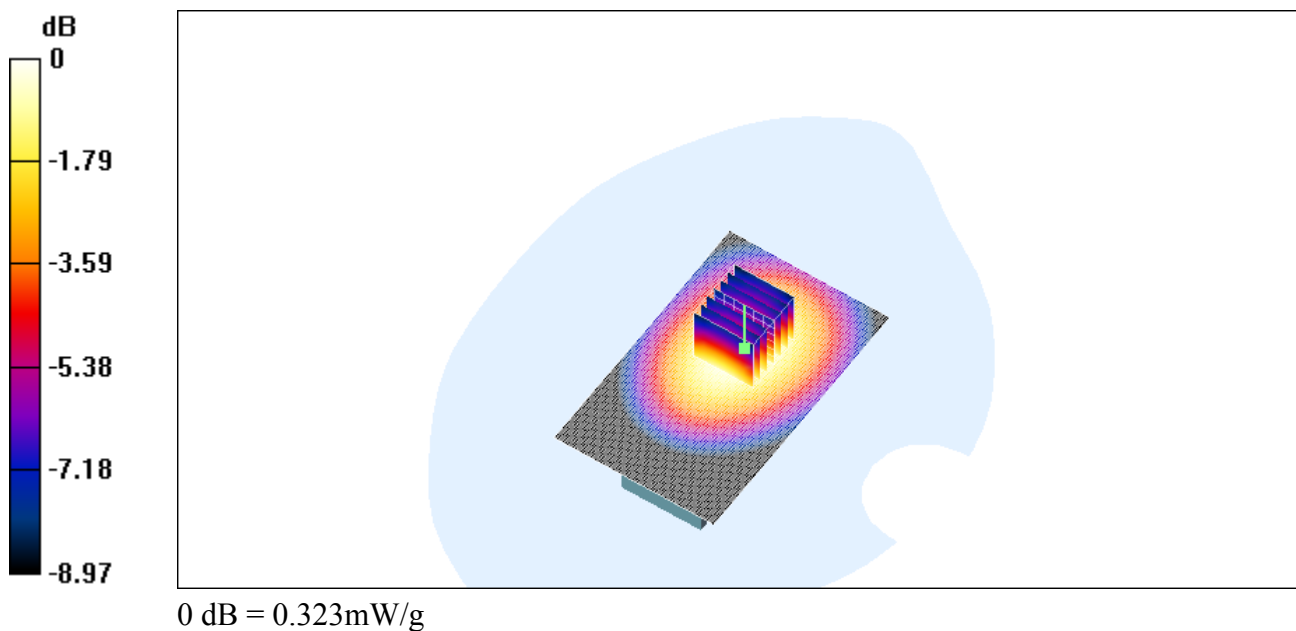
GB310/Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5\text{mm}$, $dy=5\text{mm}$, $dz=5\text{mm}$

Reference Value = 17.8 V/m; Power Drift = -0.0 dB

Maximum value of SAR (measured) = 0.323 mW/g

Peak SAR (extrapolated) = 0.393 W/kg

SAR(1 g) = 0.304 mW/g; SAR(10 g) = 0.218 mW/g



Test Laboratory: ELECTRONIC TECHNOLOGY SYSTEMS DR. GENZ GMBH

850_flat_ch189_front

DUT: Dual Band GSM 850 (E-GSM) / PCS 1900 (with WAP & GPRS); Type: ---; Serial: GB310

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

Medium: Muscle 850 MHz Medium parameters used (interpolated): $f = 836.4$ MHz; $\sigma = 0.975$ mho/m; $\epsilon_r = 55.1$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1711; ConvF(6, 6, 6); Calibrated: 12/16/2003
- Sensor-Surface: 4mm (Mechanical And Optical Surface Detection)
- Electronics: DAE3 Sn522; Calibrated: 1/12/2004
- Phantom: SAM 12; Type: TP-1217; Serial: QD000P40CA
- Measurement SW: DASY4, V4.2 Build 44; Postprocessing SW: SEMCAD, V1.8 Build 112

GB310/Area Scan (131x81x1): Measurement grid: dx=10mm, dy=10mm

Reference Value = 17.1 V/m; Power Drift = 0.007 dB

Maximum value of SAR (interpolated) = 0.339 mW/g

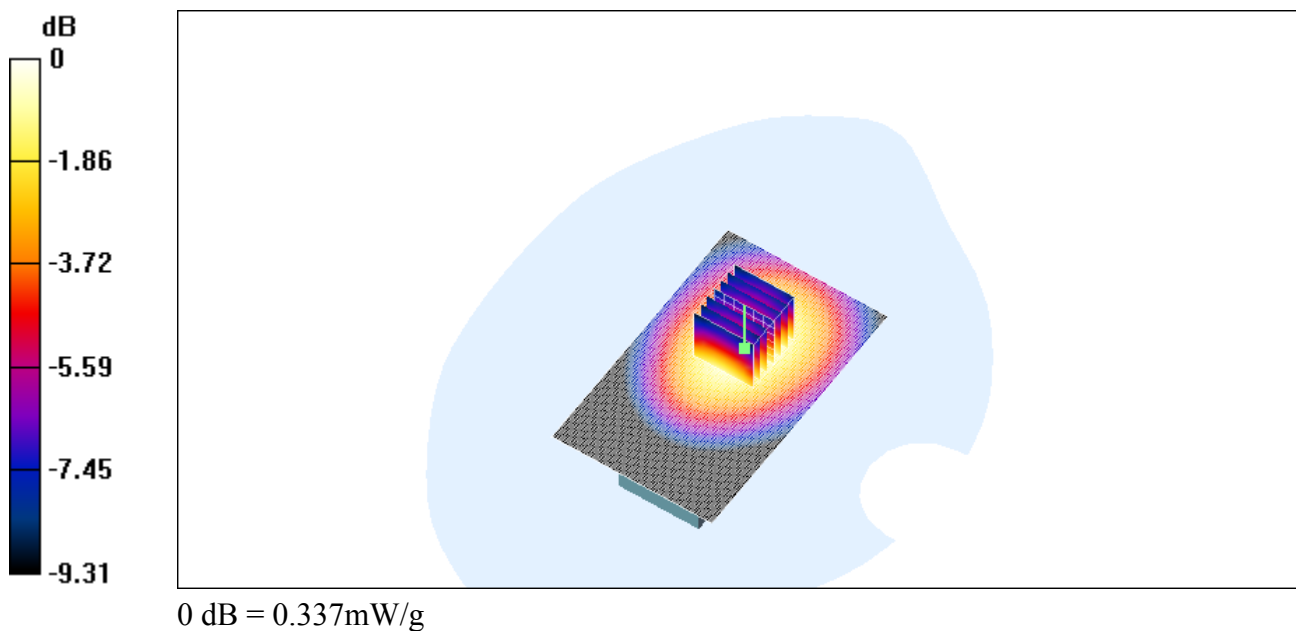
GB310/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 17.1 V/m; Power Drift = 0.007 dB

Maximum value of SAR (measured) = 0.337 mW/g

Peak SAR (extrapolated) = 0.416 W/kg

SAR(1 g) = 0.315 mW/g; SAR(10 g) = 0.223 mW/g



Test Laboratory: ELECTRONIC TECHNOLOGY SYSTEMS DR. GENZ GMBH

850_flat_ch189_back

DUT: Dual Band GSM 850 (E-GSM) / PCS 1900 (with WAP & GPRS); Type: ---; Serial: GB310

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

Medium: Muscle 850 MHz Medium parameters used (interpolated): $f = 836.4$ MHz; $\sigma = 0.975$ mho/m; $\epsilon_r = 55.1$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1711; ConvF(6, 6, 6); Calibrated: 12/16/2003
- Sensor-Surface: 4mm (Mechanical And Optical Surface Detection)
- Electronics: DAE3 Sn522; Calibrated: 1/12/2004
- Phantom: SAM 12; Type: TP-1217; Serial: QD000P40CA
- Measurement SW: DASY4, V4.2 Build 44; Postprocessing SW: SEMCAD, V1.8 Build 112

GB310/Area Scan (131x81x1): Measurement grid: dx=10mm, dy=10mm

Reference Value = 18.3 V/m; Power Drift = -0.1 dB

Maximum value of SAR (interpolated) = 0.504 mW/g

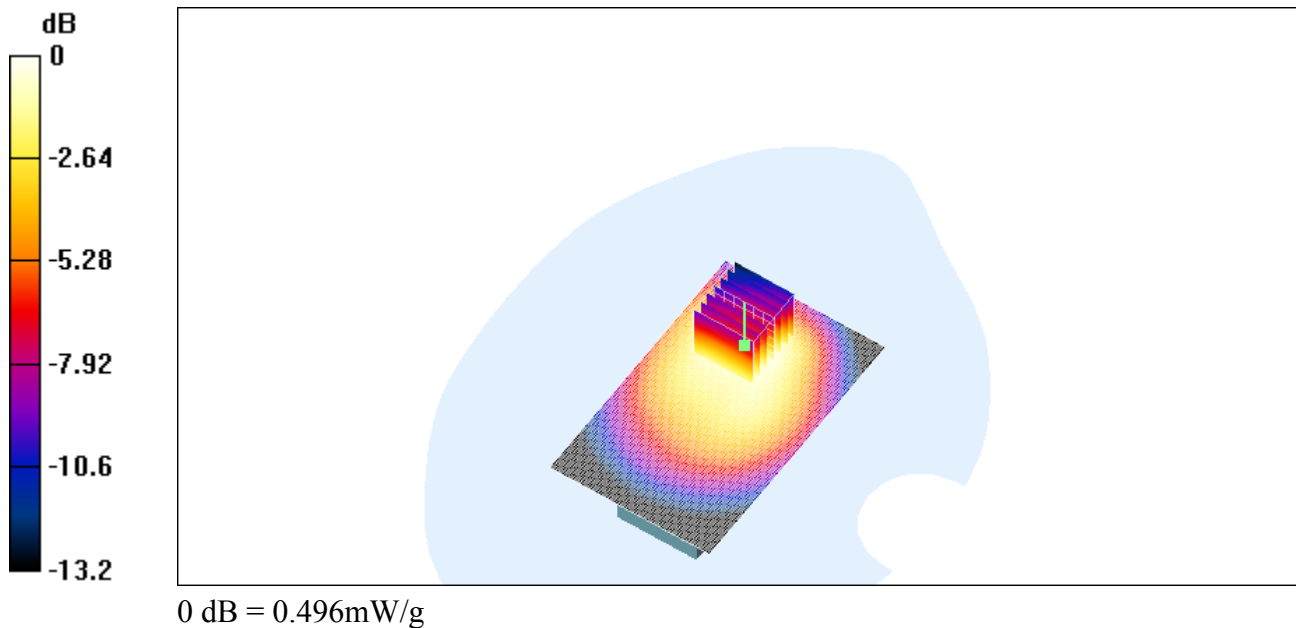
GB310/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 18.3 V/m; Power Drift = -0.1 dB

Maximum value of SAR (measured) = 0.496 mW/g

Peak SAR (extrapolated) = 0.749 W/kg

SAR(1 g) = 0.457 mW/g; SAR(10 g) = 0.300 mW/g



Test Laboratory: ELECTRONIC TECHNOLOGY SYSTEMS DR. GENZ GMBH

850_flat_ch251_back

DUT: Dual Band GSM 850 (E-GSM) / PCS 1900 (with WAP & GPRS); Type: ---; Serial: GB310

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

Medium: Muscle 850 MHz Medium parameters used (interpolated): $f = 848.8 \text{ MHz}$; $\sigma = 0.985 \text{ mho/m}$; $\epsilon_r = 55$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1711; ConvF(6, 6, 6); Calibrated: 12/16/2003
- Sensor-Surface: 4mm (Mechanical And Optical Surface Detection)
- Electronics: DAE3 Sn522; Calibrated: 1/12/2004
- Phantom: SAM 12; Type: TP-1217; Serial: QD000P40CA
- Measurement SW: DASY4, V4.2 Build 44; Postprocessing SW: SEMCAD, V1.8 Build 112

GB310/Area Scan (131x81x1): Measurement grid: $dx=10\text{mm}$, $dy=10\text{mm}$

Reference Value = 15.2 V/m; Power Drift = 0.0 dB

Maximum value of SAR (interpolated) = 0.249 mW/g

GB310/Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5\text{mm}$, $dy=5\text{mm}$, $dz=5\text{mm}$

Reference Value = 15.2 V/m; Power Drift = 0.0 dB

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

Peak SAR (extrapolated) = 0.309 W/kg

SAR(1 g) = 0.236 mW/g; SAR(10 g) = 0.168 mW/g

