

Appendix B

Measurement Plots

Test Laboratory: ELECTRONIC TECHNOLOGY SYSTEMS DR. GENZ GMBH

Dipol Valid.900(m)_250mW_05.05.2004

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 (51x81x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

Reference Value = 56.8 V/m; Power Drift = -0.1 dB

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

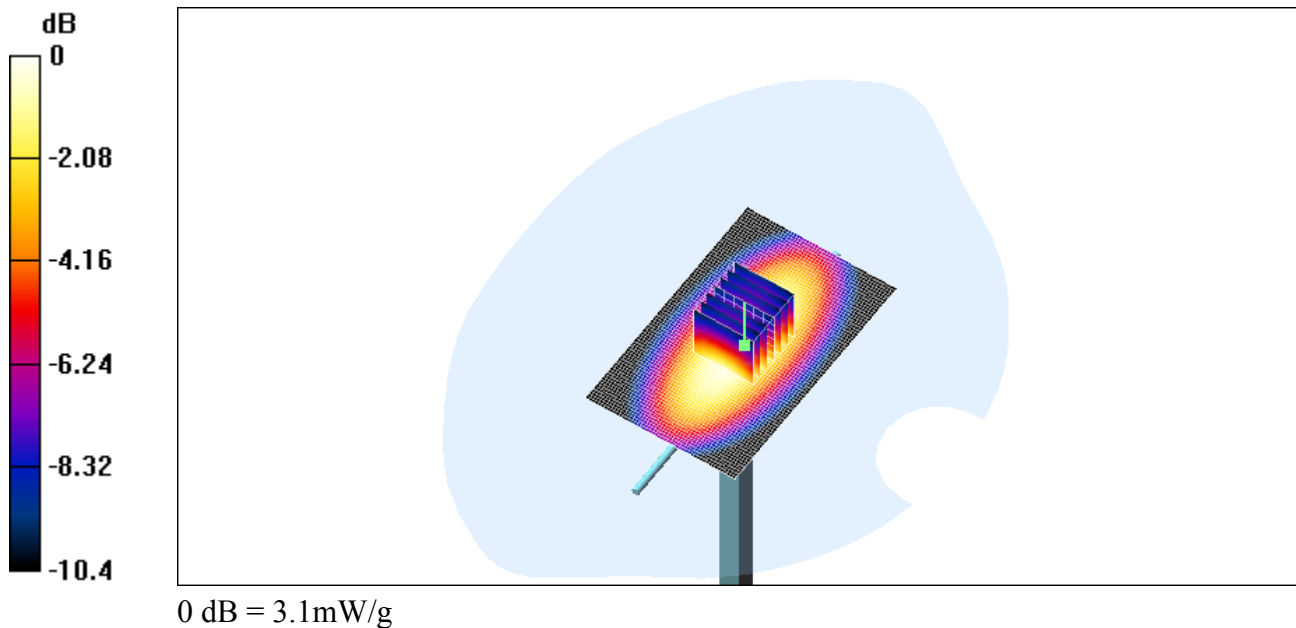
Dipol 900 (250mW)/Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5\text{mm}$, $dy=5\text{mm}$, $dz=5\text{mm}$

Reference Value = 56.8 V/m; Power Drift = -0.1 dB

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

Peak SAR (extrapolated) = 4.11 W/kg

SAR(1 g) = 2.86 mW/g; SAR(10 g) = 1.88 mW/g



Test Laboratory: ELECTRONIC TECHNOLOGY SYSTEMS DR. GENZ GMBH

Dipol Valid.900(h)_250mW_06.05.2004

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 (250mW)/Area Scan (51x81x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

Reference Value = 59.4 V/m; Power Drift = -0.0 dB

Maximum value of SAR (interpolated) = 3.09 mW/g

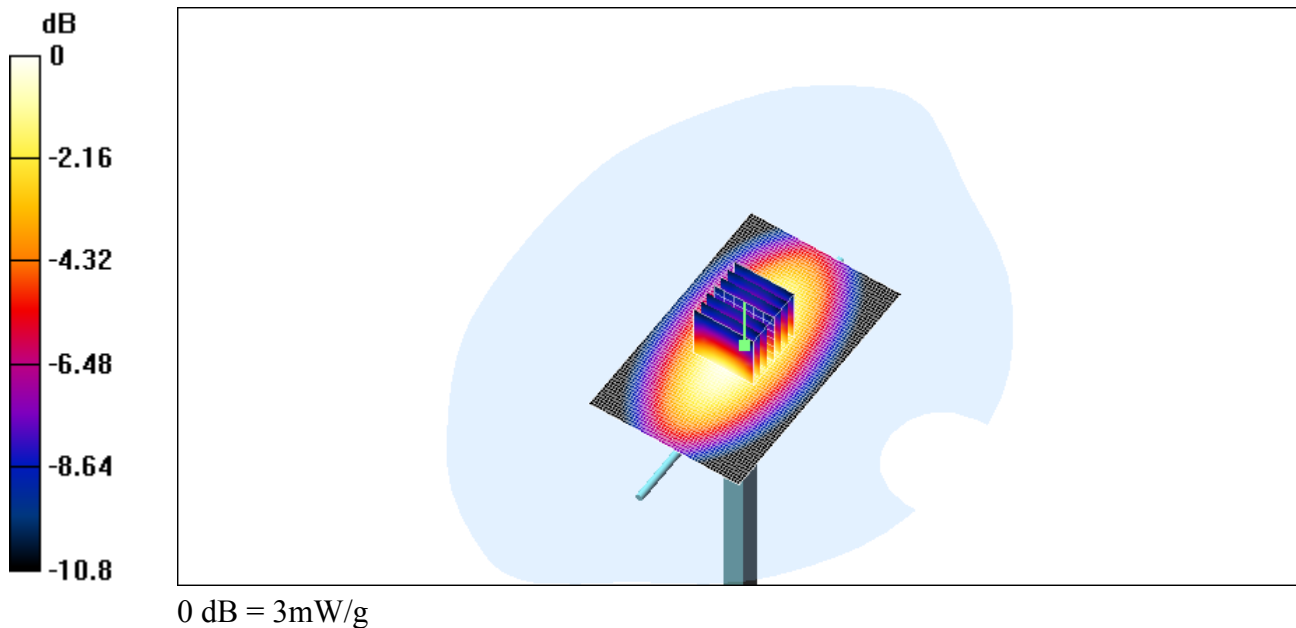
Dipol 900 (250mW)/Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5\text{mm}$, $dy=5\text{mm}$,
 $dz=5\text{mm}$

Reference Value = 59.4 V/m; Power Drift = -0.0 dB

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

Peak SAR (extrapolated) = 4.06 W/kg

SAR(1 g) = 2.58 mW/g; SAR(10 g) = 1.66 mW/g



Test Laboratory: ELECTRONIC TECHNOLOGY SYSTEMS DR. GENZ GMBH

850_right_ch128_cheek

DUT: Triple Band GSM 850 (E-GSM) / DCS 1800 / PCS 1900 (with WAP & GPRS); Type: ---; Serial: GB210

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: 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

GB210/Area Scan (91x161x1): Measurement grid: dx=10mm, dy=10mm

Reference Value = 7.83 V/m; Power Drift = 0.0 dB

Maximum value of SAR (interpolated) = 1.45 mW/g

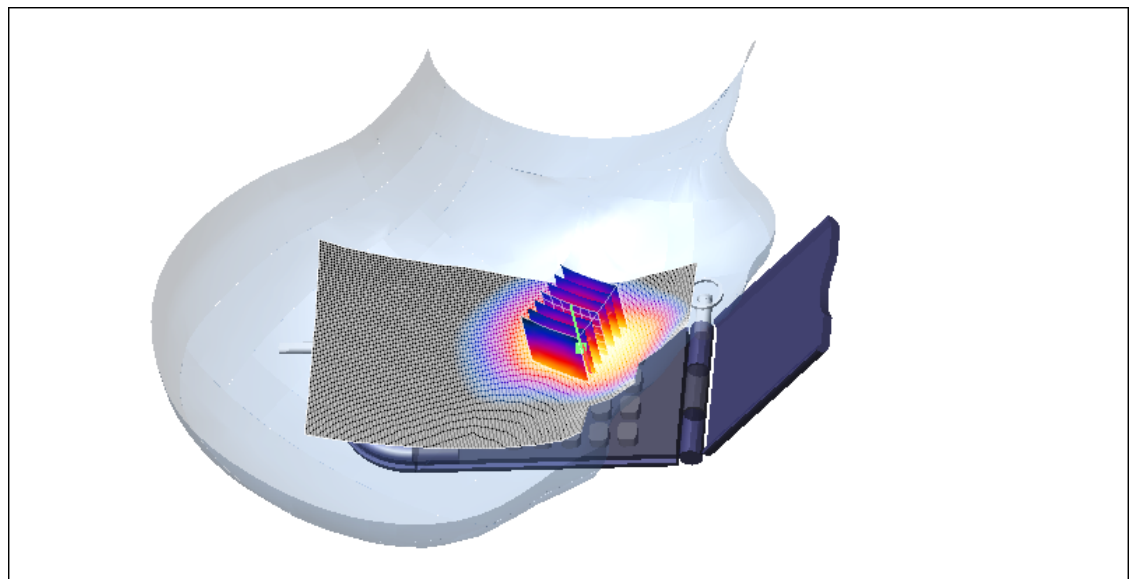
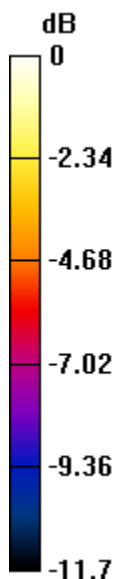
GB210/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 7.83 V/m; Power Drift = 0.0 dB

Maximum value of SAR (measured) = 1.45 mW/g

Peak SAR (extrapolated) = 1.89 W/kg

SAR(1 g) = 1.32 mW/g; SAR(10 g) = 0.851 mW/g



0 dB = 1.45mW/g

Test Laboratory: ELECTRONIC TECHNOLOGY SYSTEMS DR. GENZ GMBH

850_right_ch128_tilted

DUT: Triple Band GSM 850 (E-GSM) / DCS 1800 / PCS 1900 (with WAP & GPRS); Type: ---; Serial: GB210

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: 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

GB210/Area Scan (91x161x1): Measurement grid: dx=10mm, dy=10mm

Reference Value = 11.3 V/m; Power Drift = 0.0 dB

Maximum value of SAR (interpolated) = 0.626 mW/g

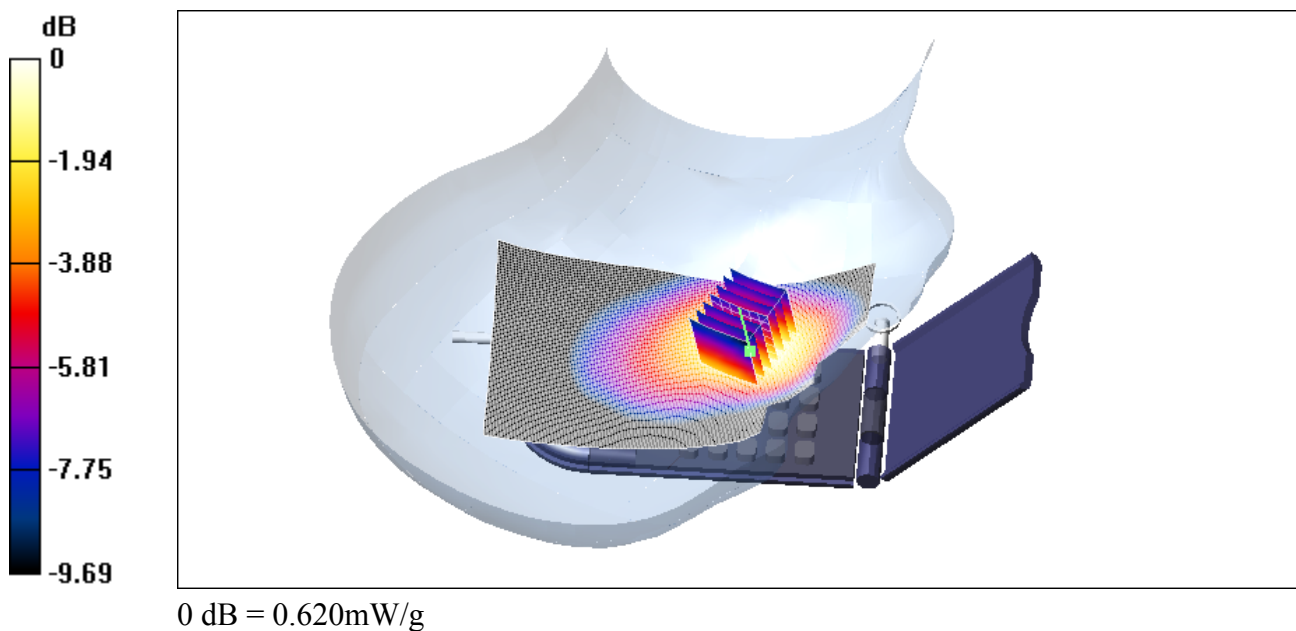
GB210/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 11.3 V/m; Power Drift = 0.0 dB

Maximum value of SAR (measured) = 0.620 mW/g

Peak SAR (extrapolated) = 0.769 W/kg

SAR(1 g) = 0.581 mW/g; SAR(10 g) = 0.401 mW/g



Test Laboratory: ELECTRONIC TECHNOLOGY SYSTEMS DR. GENZ GMBH

850_right_ch189_cheek

DUT: Triple Band GSM 850 (E-GSM) / DCS 1800 / PCS 1900 (with WAP & GPRS); Type: ---; Serial: GB210

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

GB210/Area Scan (91x161x1): Measurement grid: dx=10mm, dy=10mm

Reference Value = 7.21 V/m; Power Drift = -0.1 dB

Maximum value of SAR (interpolated) = 1.22 mW/g

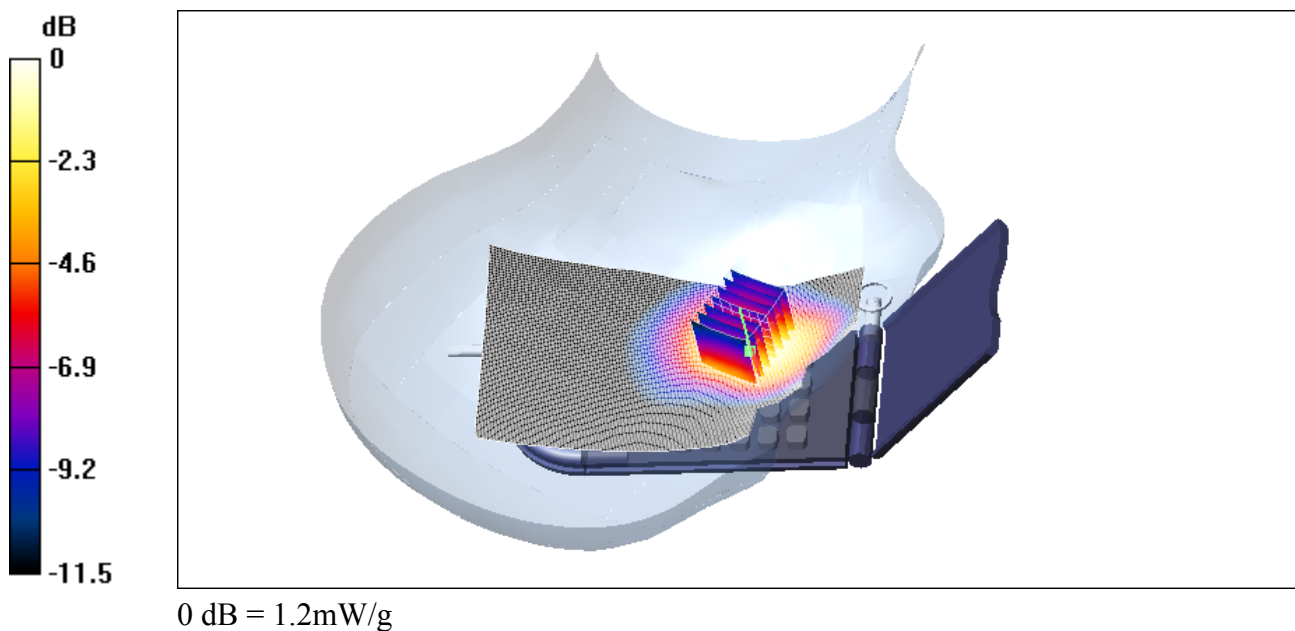
GB210/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 7.21 V/m; Power Drift = -0.1 dB

Maximum value of SAR (measured) = 1.2 mW/g

Peak SAR (extrapolated) = 1.48 W/kg

SAR(1 g) = 1.1 mW/g; SAR(10 g) = 0.715 mW/g



Test Laboratory: ELECTRONIC TECHNOLOGY SYSTEMS DR. GENZ GMBH

850_right_ch189_tilted

DUT: Triple Band GSM 850 (E-GSM) / DCS 1800 / PCS 1900 (with WAP & GPRS); Type: ---; Serial: GB210

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

GB210/Area Scan (91x161x1): Measurement grid: dx=10mm, dy=10mm

Reference Value = 10.9 V/m; Power Drift = 0.0 dB

Maximum value of SAR (interpolated) = 0.569 mW/g

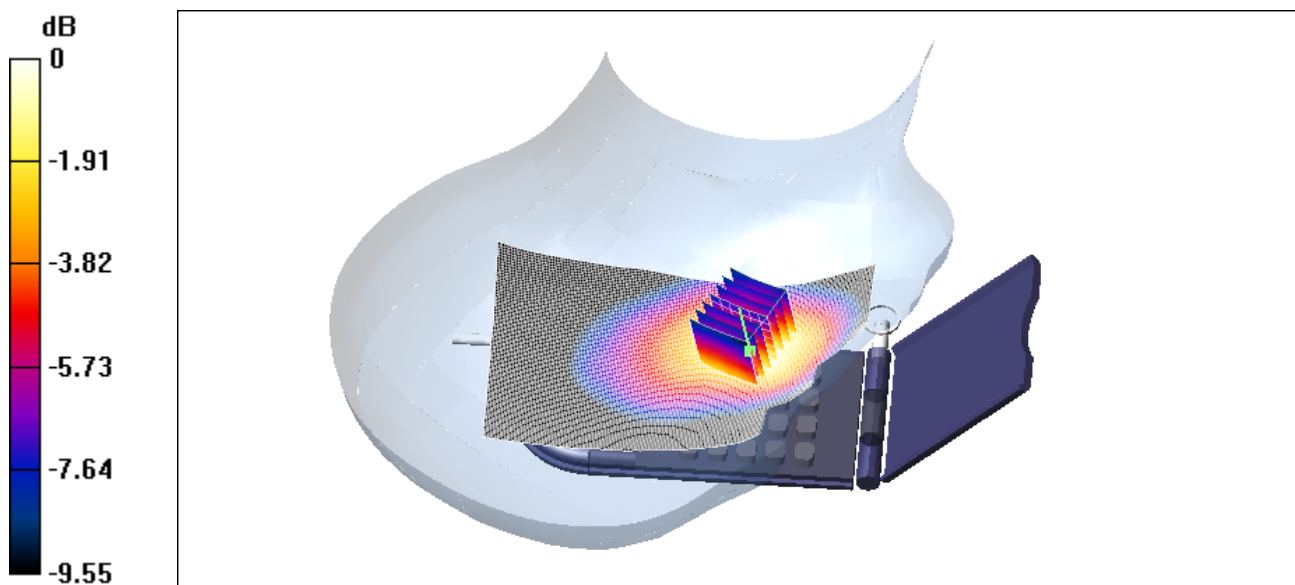
GB210/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 10.9 V/m; Power Drift = 0.0 dB

Maximum value of SAR (measured) = 0.563 mW/g

Peak SAR (extrapolated) = 0.718 W/kg

SAR(1 g) = 0.529 mW/g; SAR(10 g) = 0.364 mW/g



0 dB = 0.563mW/g

Test Laboratory: ELECTRONIC TECHNOLOGY SYSTEMS DR. GENZ GMBH

850_right_ch251_cheek

DUT: Triple Band GSM 850 (E-GSM) / DCS 1800 / PCS 1900 (with WAP & GPRS); Type: ---; Serial: GB210

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: 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

GB210/Area Scan (91x161x1): Measurement grid: dx=10mm, dy=10mm

Reference Value = 7.68 V/m; Power Drift = 0.0 dB

Maximum value of SAR (interpolated) = 1.41 mW/g

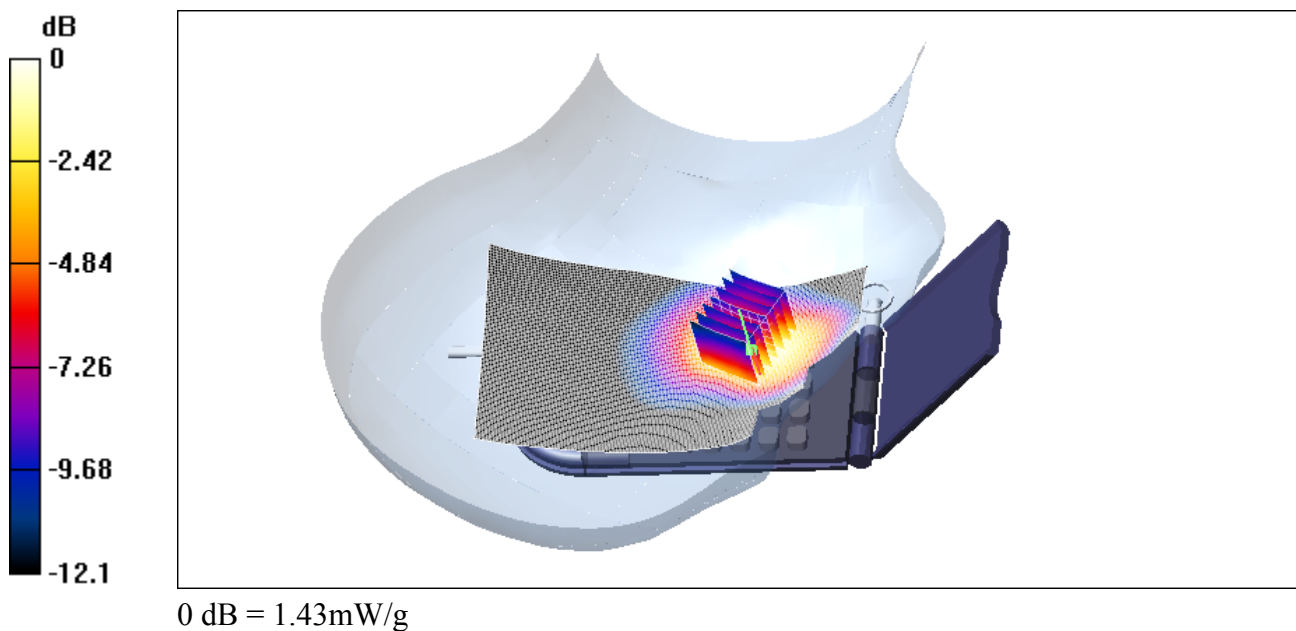
GB210/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 7.68 V/m; Power Drift = 0.0 dB

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

Peak SAR (extrapolated) = 1.87 W/kg

SAR(1 g) = 1.29 mW/g; SAR(10 g) = 0.814 mW/g



Test Laboratory: ELECTRONIC TECHNOLOGY SYSTEMS DR. GENZ GMBH

850_right_ch251_tilted

DUT: Triple Band GSM 850 (E-GSM) / DCS 1800 / PCS 1900 (with WAP & GPRS); Type: ---; Serial: GB210

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: 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

GB210/Area Scan (91x161x1): Measurement grid: dx=10mm, dy=10mm

Reference Value = 10.5 V/m; Power Drift = -0.0007 dB

Maximum value of SAR (interpolated) = 0.563 mW/g

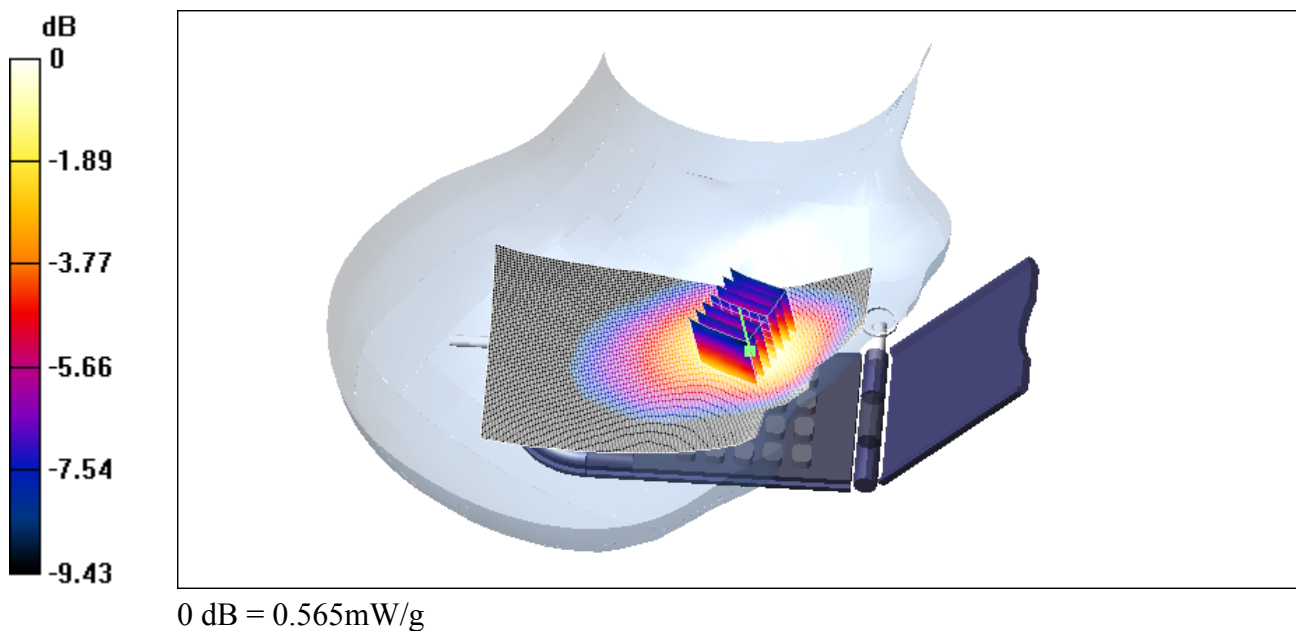
GB210/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 10.5 V/m; Power Drift = -0.0007 dB

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

Peak SAR (extrapolated) = 0.710 W/kg

SAR(1 g) = 0.530 mW/g; SAR(10 g) = 0.364 mW/g



Test Laboratory: ELECTRONIC TECHNOLOGY SYSTEMS DR. GENZ GMBH

850_left_ch128_cheek

DUT: Triple Band GSM 850 (E-GSM) / DCS 1800 / PCS 1900 (with WAP & GPRS); Type: ---; Serial: GB210

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

GB210/Area Scan (91x161x1): Measurement grid: dx=10mm, dy=10mm

Reference Value = 7.86 V/m; Power Drift = 0.0007 dB

Maximum value of SAR (interpolated) = 1.45 mW/g

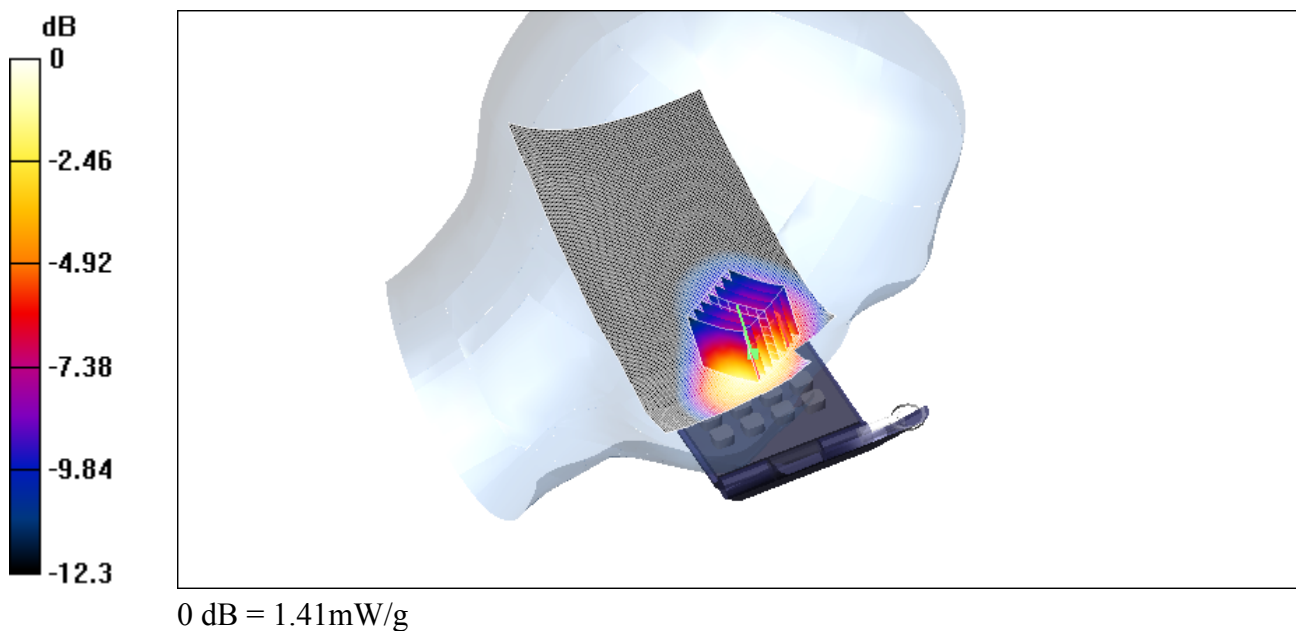
GB210/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 7.86 V/m; Power Drift = 0.0007 dB

Maximum value of SAR (measured) = 1.41 mW/g

Peak SAR (extrapolated) = 1.89 W/kg

SAR(1 g) = 1.3 mW/g; SAR(10 g) = 0.831 mW/g



Test Laboratory: ELECTRONIC TECHNOLOGY SYSTEMS DR. GENZ GMBH

850_left_ch128_tilted

DUT: Triple Band GSM 850 (E-GSM) / DCS 1800 / PCS 1900 (with WAP & GPRS); Type: ---; Serial: GB210

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

GB210/Area Scan (91x161x1): Measurement grid: dx=10mm, dy=10mm

Reference Value = 11.2 V/m; Power Drift = -0.006 dB

Maximum value of SAR (interpolated) = 0.612 mW/g

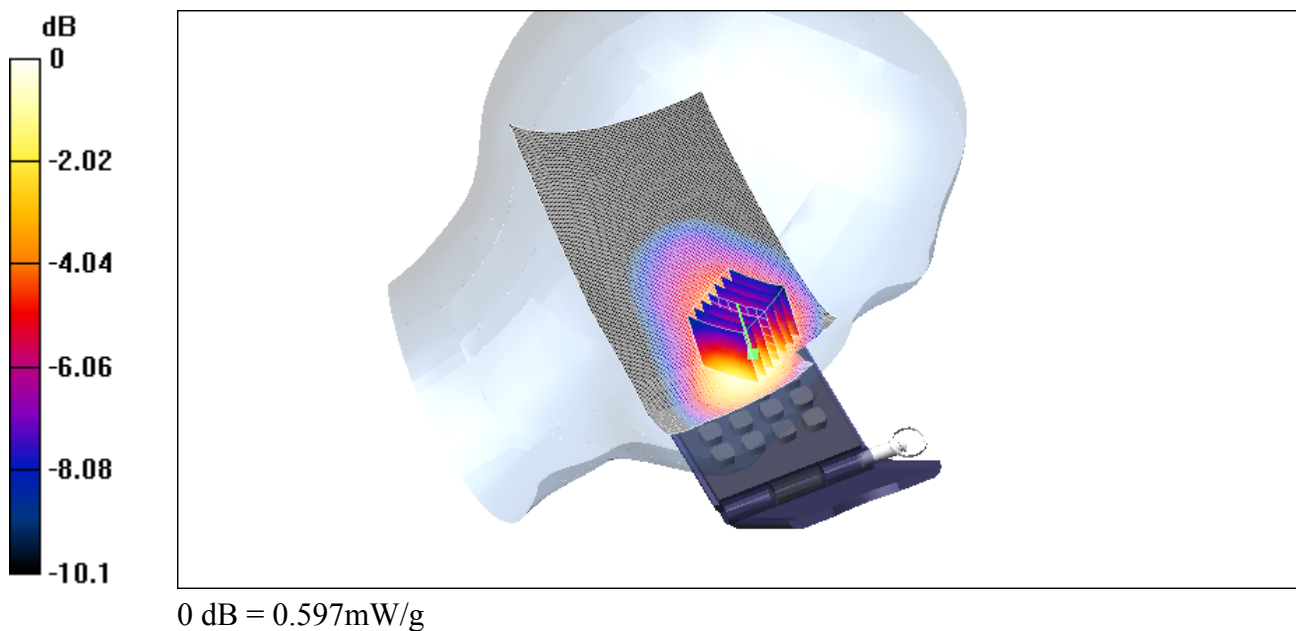
GB210/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 11.2 V/m; Power Drift = -0.006 dB

Maximum value of SAR (measured) = 0.597 mW/g

Peak SAR (extrapolated) = 0.736 W/kg

SAR(1 g) = 0.559 mW/g; SAR(10 g) = 0.384 mW/g



Test Laboratory: ELECTRONIC TECHNOLOGY SYSTEMS DR. GENZ GMBH

850_left_ch189_cheek

DUT: Triple Band GSM 850 (E-GSM) / DCS 1800 / PCS 1900 (with WAP & GPRS); Type: ---; Serial: GB210

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

GB210/Area Scan (91x161x1): Measurement grid: dx=10mm, dy=10mm

Reference Value = 7.39 V/m; Power Drift = 0.01 dB

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

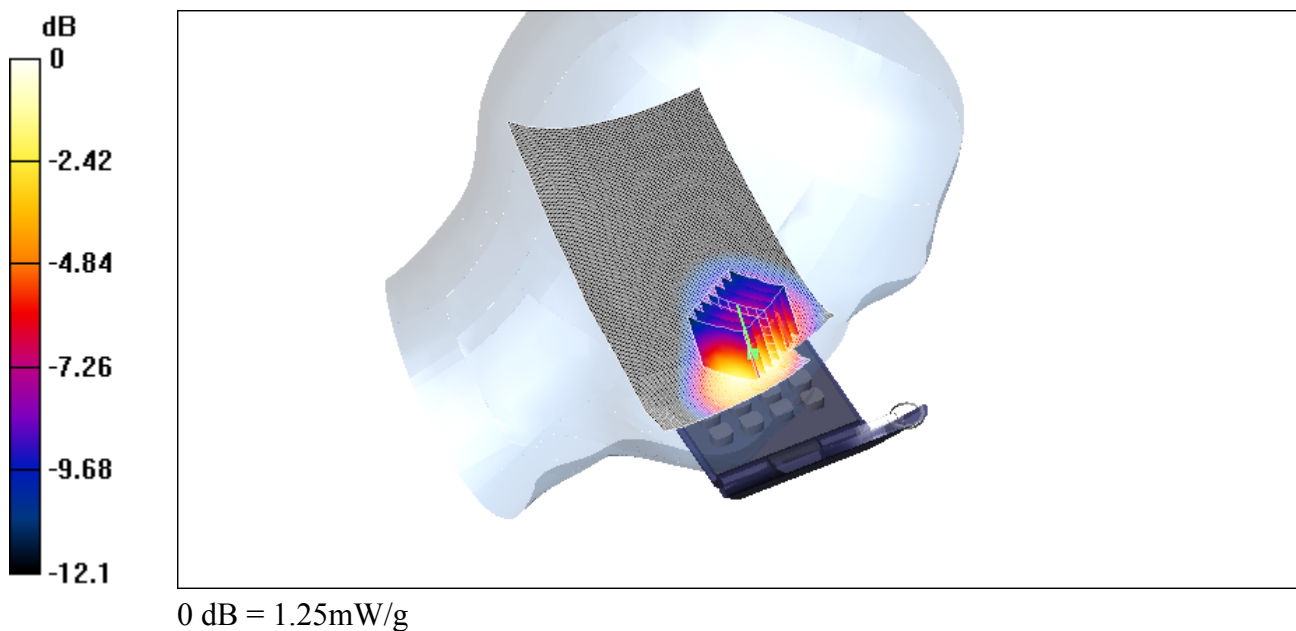
GB210/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 7.39 V/m; Power Drift = 0.01 dB

Maximum value of SAR (measured) = 1.25 mW/g

Peak SAR (extrapolated) = 1.67 W/kg

SAR(1 g) = 1.17 mW/g; SAR(10 g) = 0.744 mW/g



Test Laboratory: ELECTRONIC TECHNOLOGY SYSTEMS DR. GENZ GMBH

850_left_ch189_tilted

DUT: Triple Band GSM 850 (E-GSM) / DCS 1800 / PCS 1900 (with WAP & GPRS); Type: ---; Serial: GB210

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

GB210/Area Scan (91x161x1): Measurement grid: dx=10mm, dy=10mm

Reference Value = 10.4 V/m; Power Drift = 0.0 dB

Maximum value of SAR (interpolated) = 0.551 mW/g

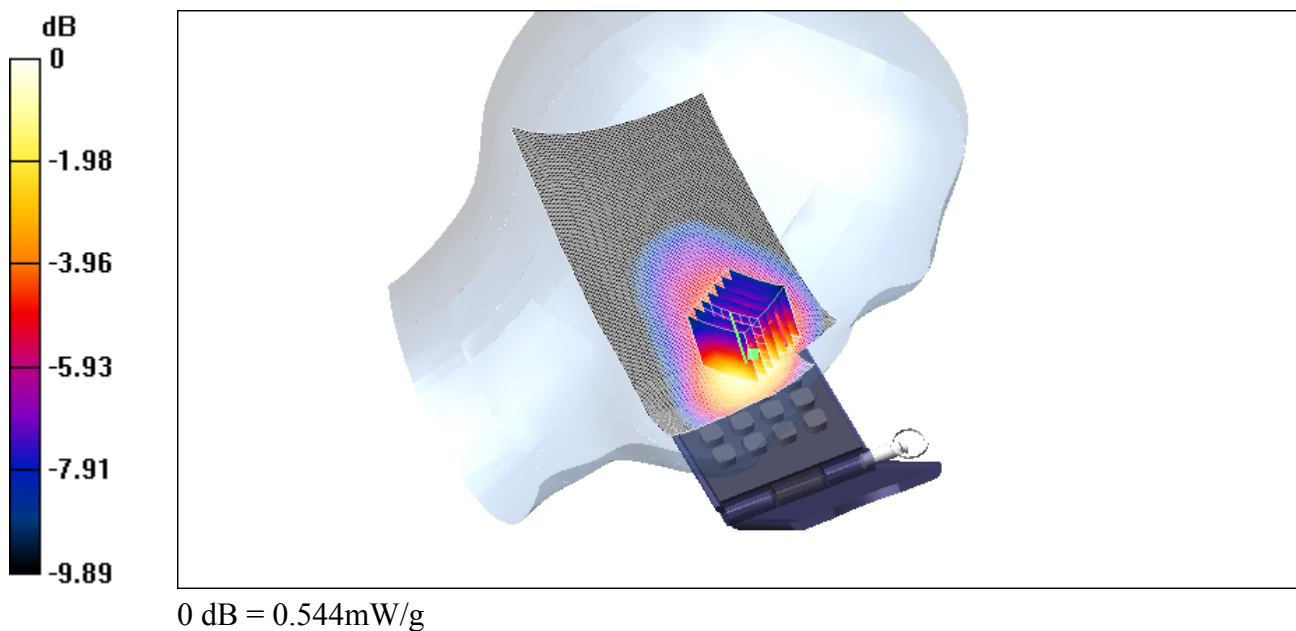
GB210/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 10.4 V/m; Power Drift = 0.0 dB

Maximum value of SAR (measured) = 0.544 mW/g

Peak SAR (extrapolated) = 0.675 W/kg

SAR(1 g) = 0.504 mW/g; SAR(10 g) = 0.344 mW/g



Test Laboratory: ELECTRONIC TECHNOLOGY SYSTEMS DR. GENZ GMBH

850_left_ch251_cheek

DUT: Triple Band GSM 850 (E-GSM) / DCS 1800 / PCS 1900 (with WAP & GPRS); Type: ---; Serial: GB210

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

GB210/Area Scan (91x161x1): Measurement grid: dx=10mm, dy=10mm

Reference Value = 7.22 V/m; Power Drift = -0.0 dB

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

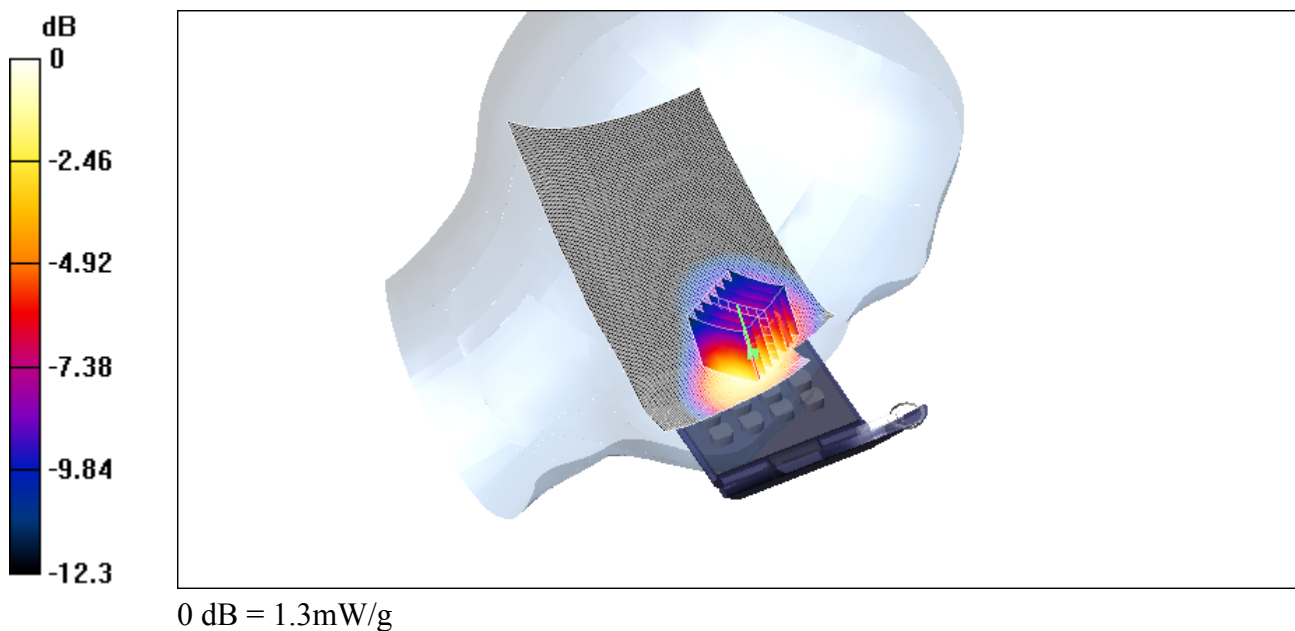
GB210/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 7.22 V/m; Power Drift = -0.0 dB

Maximum value of SAR (measured) = 1.3 mW/g

Peak SAR (extrapolated) = 1.74 W/kg

SAR(1 g) = 1.2 mW/g; SAR(10 g) = 0.763 mW/g



Test Laboratory: ELECTRONIC TECHNOLOGY SYSTEMS DR. GENZ GMBH

850_left_ch251_tilted

DUT: Triple Band GSM 850 (E-GSM) / DCS 1800 / PCS 1900 (with WAP & GPRS); Type: ---; Serial: GB210

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

GB210/Area Scan (91x161x1): Measurement grid: dx=10mm, dy=10mm

Reference Value = 10.3 V/m; Power Drift = -0.0 dB

Maximum value of SAR (interpolated) = 0.554 mW/g

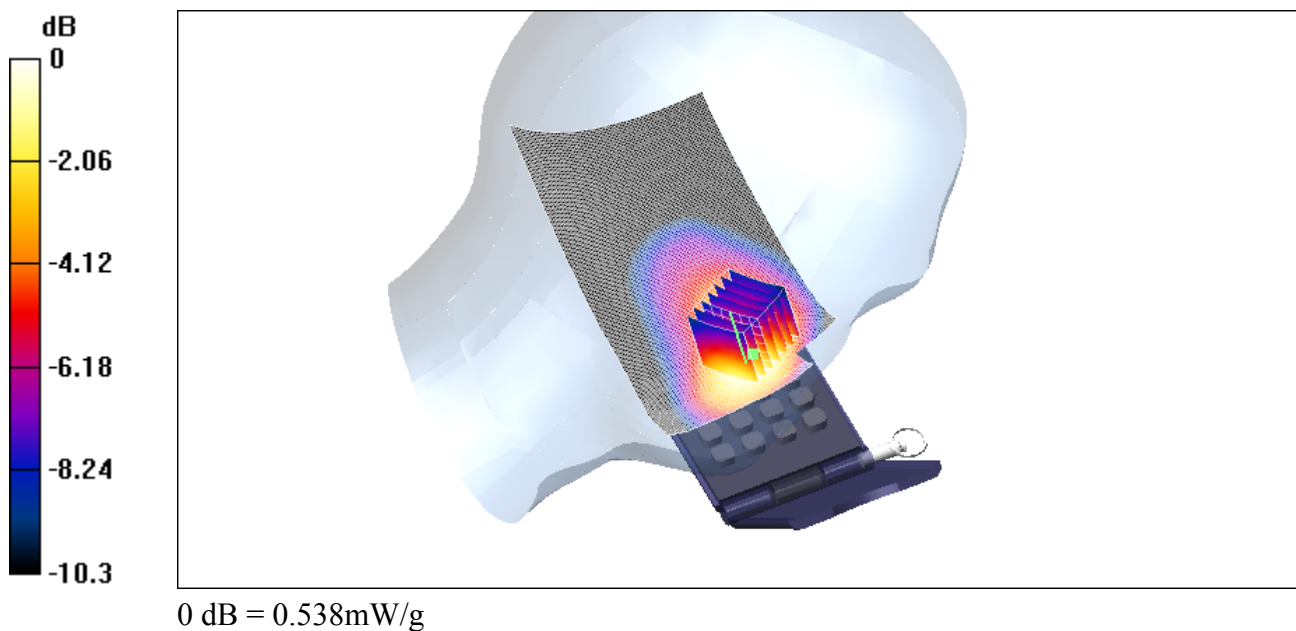
GB210/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 10.3 V/m; Power Drift = -0.0 dB

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

Peak SAR (extrapolated) = 0.667 W/kg

SAR(1 g) = 0.501 mW/g; SAR(10 g) = 0.347 mW/g



Test Laboratory: ELECTRONIC TECHNOLOGY SYSTEMS DR. GENZ GMBH

850_flat_ch128_back

DUT: Triple Band GSM 850 (E-GSM) / DCS 1800 / PCS 1900 (with WAP & GPRS); Type: ---; Serial: GB210

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

Medium: Muscle 850 MHz Medium parameters used (interpolated): $f = 824.2$ MHz; $\sigma = 0.966$ 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

GB210/Area Scan (131x81x1): Measurement grid: dx=10mm, dy=10mm

Reference Value = 18.6 V/m; Power Drift = -0.0004 dB

Maximum value of SAR (interpolated) = 0.426 mW/g

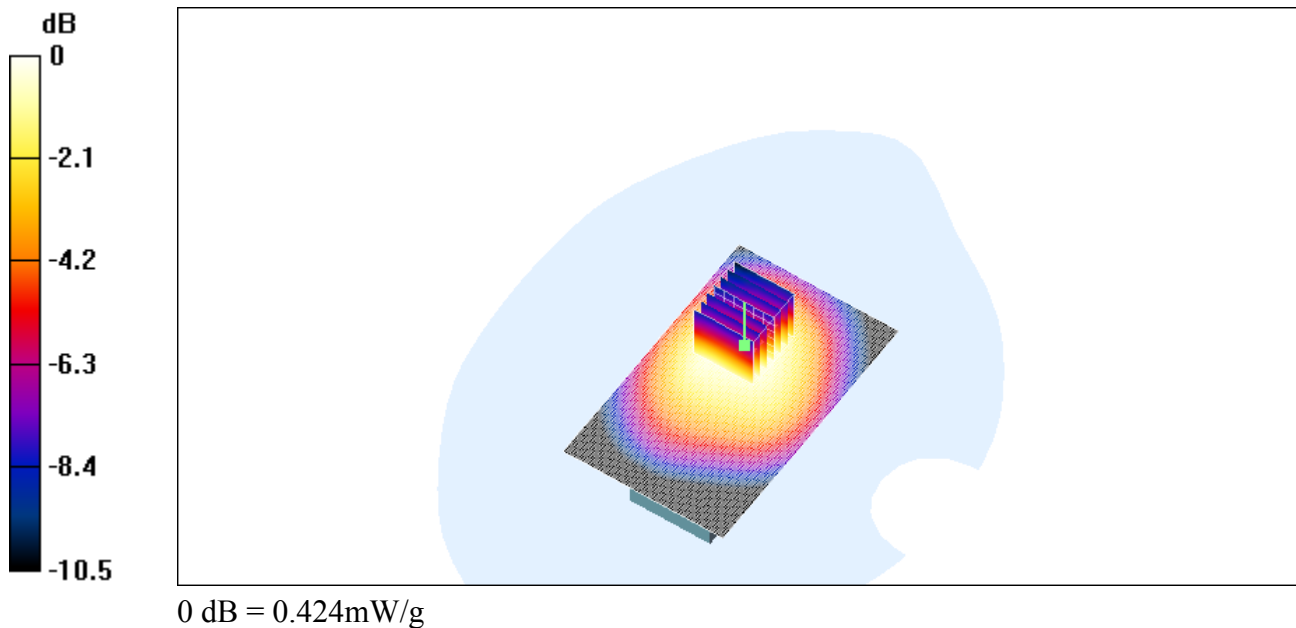
GB210/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 18.6 V/m; Power Drift = -0.0004 dB

Maximum value of SAR (measured) = 0.424 mW/g

Peak SAR (extrapolated) = 0.578 W/kg

SAR(1 g) = 0.397 mW/g; SAR(10 g) = 0.275 mW/g



Test Laboratory: ELECTRONIC TECHNOLOGY SYSTEMS DR. GENZ GMBH

850_flat_ch189_front

DUT: Triple Band GSM 850 (E-GSM) / DCS 1800 / PCS 1900 (with WAP & GPRS); Type: ---; Serial: GB210

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

Medium: Muscle 850 MHz Medium parameters used (interpolated): $f = 836.4 \text{ MHz}$; $\sigma = 0.975 \text{ mho/m}$; $\epsilon_r = 55.1$; $\rho = 1000 \text{ kg/m}^3$

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

GB210/Area Scan (131x81x1): Measurement grid: $dx=10\text{mm}$, $dy=10\text{mm}$

Reference Value = 13.9 V/m; Power Drift = -0.0 dB

Maximum value of SAR (interpolated) = 0.216 mW/g

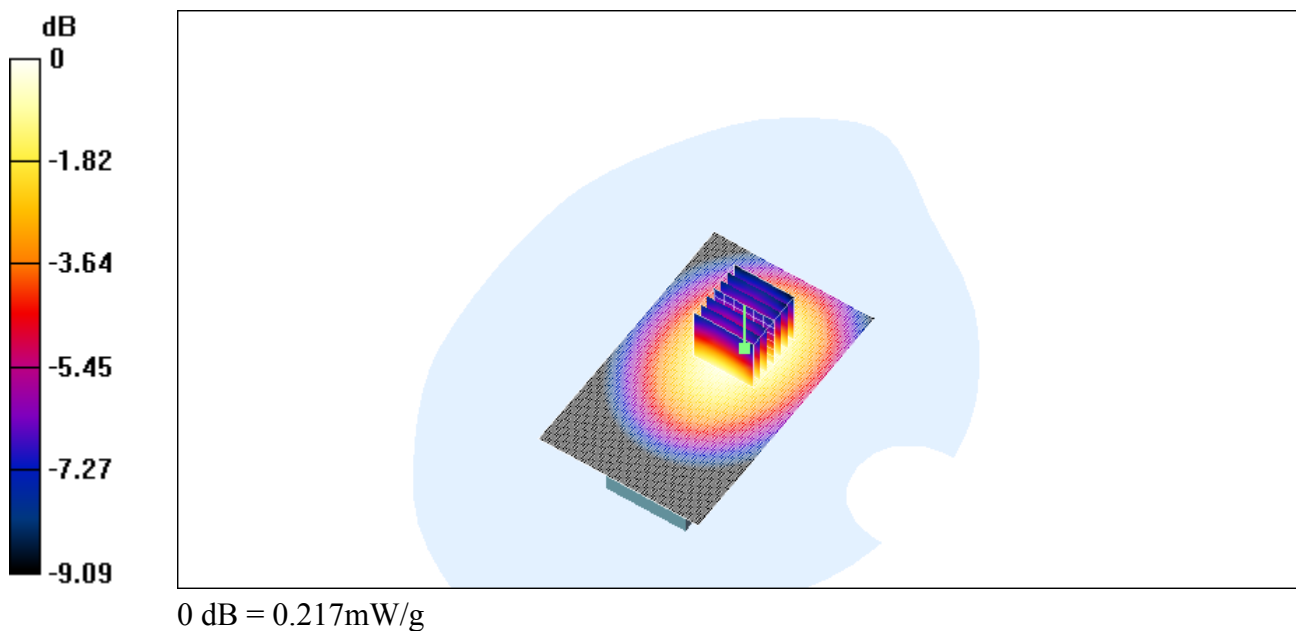
GB210/Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5\text{mm}$, $dy=5\text{mm}$, $dz=5\text{mm}$

Reference Value = 13.9 V/m; Power Drift = -0.0 dB

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

Peak SAR (extrapolated) = 0.265 W/kg

SAR(1 g) = 0.203 mW/g; SAR(10 g) = 0.146 mW/g



Test Laboratory: ELECTRONIC TECHNOLOGY SYSTEMS DR. GENZ GMBH

850_flat_ch189_back

DUT: Triple Band GSM 850 (E-GSM) / DCS 1800 / PCS 1900 (with WAP & GPRS); Type: ---; Serial: GB210

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

Medium: Muscle 850 MHz Medium parameters used (interpolated): $f = 836.4 \text{ MHz}$; $\sigma = 0.975 \text{ mho/m}$; $\epsilon_r = 55.1$; $\rho = 1000 \text{ kg/m}^3$

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

GB210/Area Scan (131x81x1): Measurement grid: $dx=10\text{mm}$, $dy=10\text{mm}$

Reference Value = 16.2 V/m; Power Drift = 0.1 dB

Maximum value of SAR (interpolated) = 0.332 mW/g

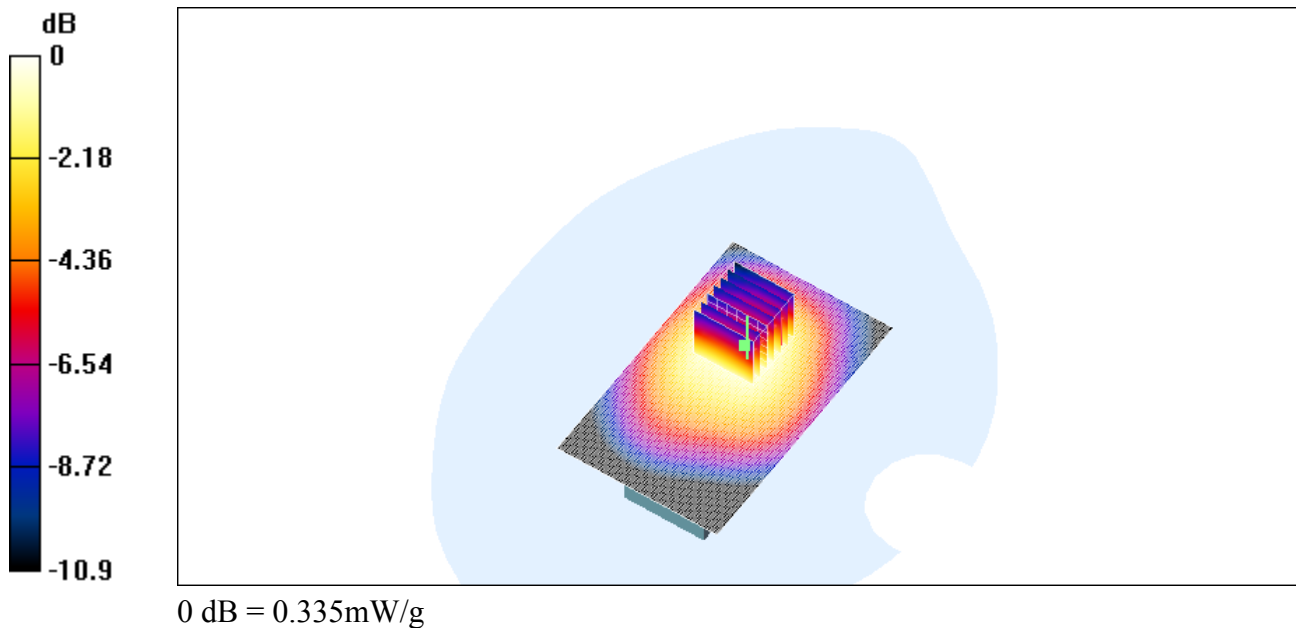
GB210/Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5\text{mm}$, $dy=5\text{mm}$, $dz=5\text{mm}$

Reference Value = 16.2 V/m; Power Drift = 0.1 dB

Maximum value of SAR (measured) = 0.335 mW/g

Peak SAR (extrapolated) = 0.443 W/kg

SAR(1 g) = 0.311 mW/g; SAR(10 g) = 0.216 mW/g



Test Laboratory: ELECTRONIC TECHNOLOGY SYSTEMS DR. GENZ GMBH

850_flat_ch251_back

DUT: Triple Band GSM 850 (E-GSM) / DCS 1800 / PCS 1900 (with WAP & GPRS); Type: ---; Serial: GB210

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

GB210/Area Scan (131x81x1): Measurement grid: $dx=10\text{mm}$, $dy=10\text{mm}$

Reference Value = 13.8 V/m; Power Drift = 0.1 dB

Maximum value of SAR (interpolated) = 0.236 mW/g

GB210/Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5\text{mm}$, $dy=5\text{mm}$, $dz=5\text{mm}$

Reference Value = 13.8 V/m; Power Drift = 0.1 dB

Maximum value of SAR (measured) = 0.237 mW/g

Peak SAR (extrapolated) = 0.310 W/kg

SAR(1 g) = 0.224 mW/g; SAR(10 g) = 0.158 mW/g

