

Appendix B

Measurement Plots

Test Laboratory: ELECTRONIC TECHNOLOGY SYSTEMS DR. GENZ GMBH

File Name: [Dipol Valid.1900\(h\)_12.11.03.da4](#)

Dipol Valid.1900(h)_12.11.03

DUT: Dipole 1900 MHz; Type: D1900V2; Serial: 5d025

Program: Dipol Valid 1900

Communication System: CW; Frequency: 1900 MHz; Duty Cycle: 1:1

Medium: Head 1900 MHz ($\sigma = 1.41529$ mho/m, $\epsilon_r = 39.8679$, $\rho = 1000$ kg/m³)

Phantom section: Flat Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1711; ConvF(5.3, 5.3, 5.3); Calibrated: 11/29/2002
- Sensor-Surface: 4mm (Mechanical And Optical Surface Detection)
- Electronics: DAE3 Sn522; Calibrated: 9/11/2002
- Phantom: SAM 12; Type: TP-1217; Serial: QD000P40CA
- Measurement SW: DASY4, V4.1 Build 47; Postprocessing SW: SEMCAD, V1.6 Build 115

Dipol 1900 (250mW)/Area Scan (61x101x1): Measurement grid: dx=10mm, dy=10mm

Reference Value = 94 V/m

Power Drift = -0.002 dB

Maximum value of SAR = 11.6 mW/g

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

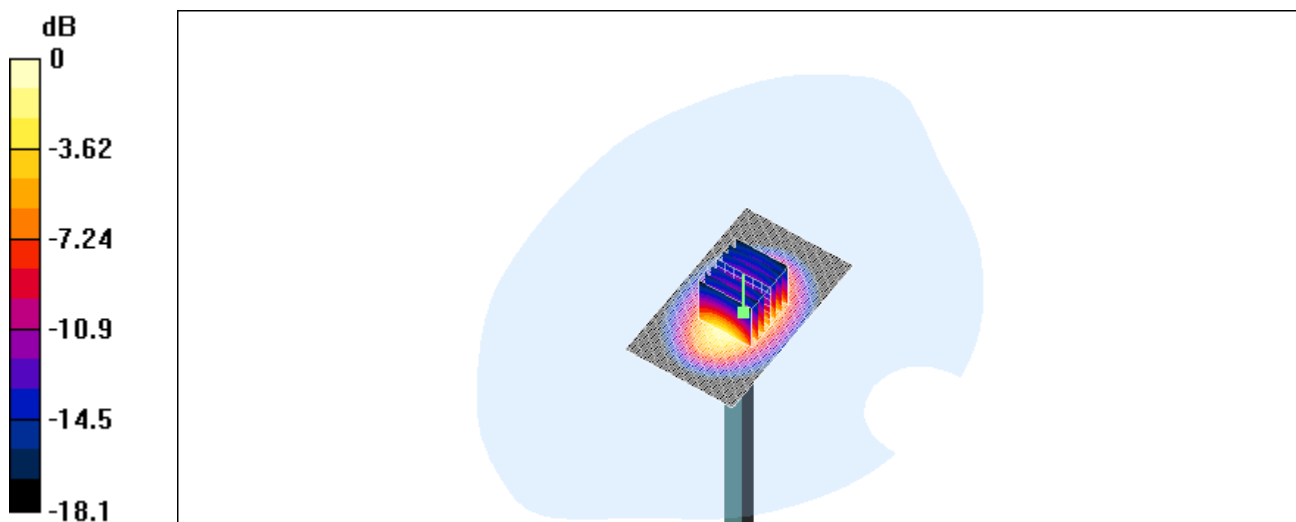
Peak SAR (extrapolated) = 18.4 W/kg

SAR(1 g) = 10.1 mW/g; SAR(10 g) = 5.14 mW/g

Reference Value = 94 V/m

Power Drift = -0.002 dB

Maximum value of SAR = 11.5 mW/g



0 dB = 11.5mW/g

Test Laboratory: ELECTRONIC TECHNOLOGY SYSTEMS DR. GENZ GMBH

File Name: [Dipol Valid.1900\(h\)_13.11.03.da4](#)

Dipol Valid.1900(h)_13.11.03

DUT: Dipole 1900 MHz; Type: D1900V2; Serial: 5d025

Program: Dipol Valid 1900

Communication System: CW; Frequency: 1900 MHz; Duty Cycle: 1:1

Medium: Head 1900 MHz ($\sigma = 1.41529$ mho/m, $\epsilon_r = 39.8679$, $\rho = 1000$ kg/m³)

Phantom section: Flat Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1711; ConvF(5.3, 5.3, 5.3); Calibrated: 11/29/2002
- Sensor-Surface: 4mm (Mechanical And Optical Surface Detection)
- Electronics: DAE3 Sn522; Calibrated: 9/11/2002
- Phantom: SAM 12; Type: TP-1217; Serial: QD000P40CA
- Measurement SW: DASY4, V4.1 Build 47; Postprocessing SW: SEMCAD, V1.6 Build 115

Dipol 1900 (250mW)/Area Scan (61x101x1): Measurement grid: dx=10mm, dy=10mm

Reference Value = 94 V/m

Power Drift = -0.05 dB

Maximum value of SAR = 11.4 mW/g

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

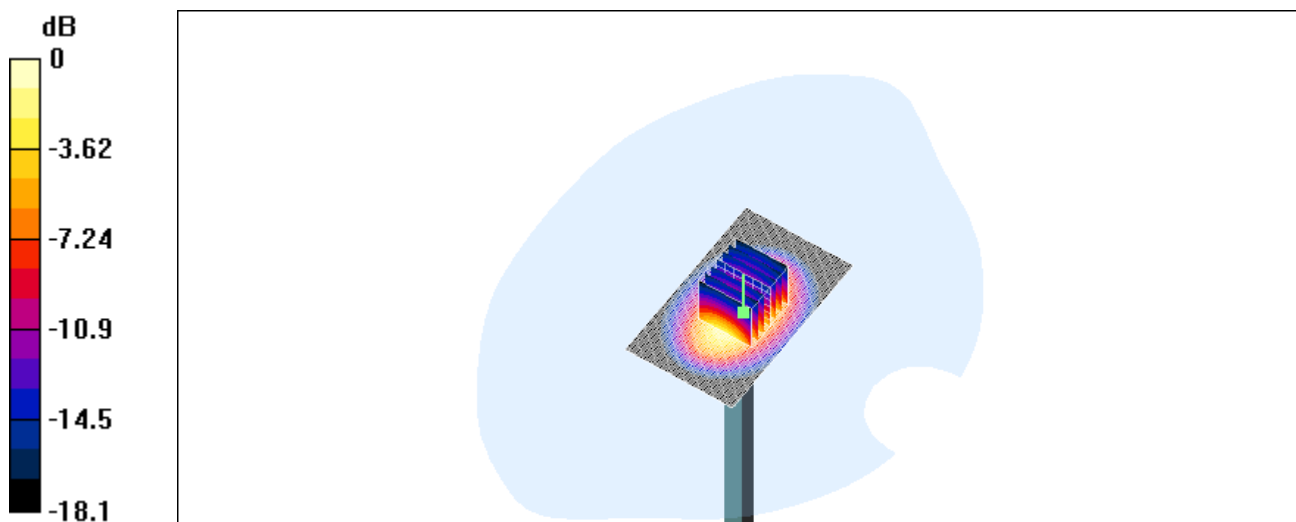
Peak SAR (extrapolated) = 18.4 W/kg

SAR(1 g) = 9.89 mW/g; SAR(10 g) = 5.04 mW/g

Reference Value = 94 V/m

Power Drift = -0.05 dB

Maximum value of SAR = 11.3 mW/g



0 dB = 11.3mW/g

Test Laboratory: ELECTRONIC TECHNOLOGY SYSTEMS DR. GENZ GMBH

File Name: [Dipol Valid.1900\(b\)_11.11.03.da4](#)

Dipol Valid.1900(m)_11.11.03

DUT: Dipole 1900 MHz; Type: D1900V2; Serial: 5d025

Program: Dipol Valid 1900

Communication System: CW; Frequency: 1900 MHz; Duty Cycle: 1:1

Medium: Muscle 1900 MHz ($\sigma = 1.58102$ mho/m, $\epsilon_r = 51.8712$, $\rho = 1000$ kg/m³)

Phantom section: Flat Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1711; ConvF(5, 5, 5); Calibrated: 11/29/2002
- Sensor-Surface: 4mm (Mechanical And Optical Surface Detection)
- Electronics: DAE3 Sn522; Calibrated: 9/11/2002
- Phantom: SAM 12; Type: TP-1217; Serial: QD000P40CA
- Measurement SW: DASY4, V4.1 Build 47; Postprocessing SW: SEMCAD, V1.6 Build 115

Dipol 1900 (250mW)/Area Scan (71x101x1): Measurement grid: dx=10mm, dy=10mm

Reference Value = 95 V/m

Power Drift = -0.05 dB

Maximum value of SAR = 12.7 mW/g

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

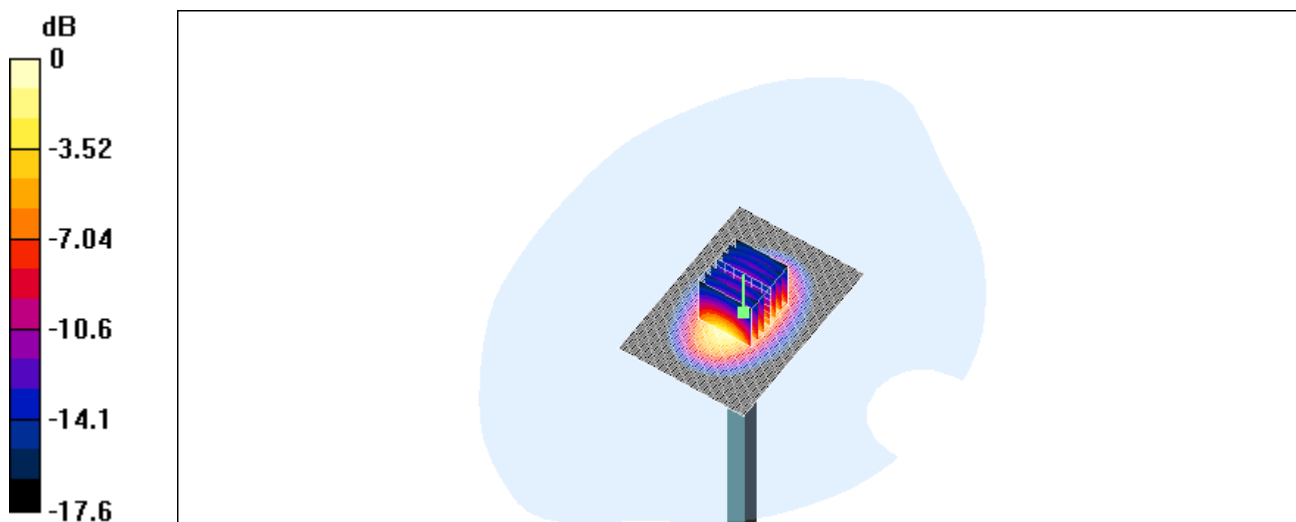
Peak SAR (extrapolated) = 19.4 W/kg

SAR(1 g) = 10.3 mW/g; SAR(10 g) = 5.13 mW/g

Reference Value = 95 V/m

Power Drift = -0.05 dB

Maximum value of SAR = 12.5 mW/g



0 dB = 12.5mW/g

Test Laboratory: ELECTRONIC TECHNOLOGY SYSTEMS DR. GENZ GMBH

File Name: [1900_right_ch512_cheek.da4](#)

1900_right_ch512_cheek

DUT: Dual Band GSM 900(E-GSM)/DCS 1800/PCS 1900(with WAP & GPRS); Type: -;

Serial: G800

Program: PCS 1900

Communication System: GSM 1900; Frequency: 1850.2 MHz; Duty Cycle: 1:8

Medium: Head 1900 MHz ($\sigma = 1.3685$ mho/m, $\epsilon_r = 39.9283$, $\rho = 1000$ kg/m³)

Phantom section: Right Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1711; ConvF(5.3, 5.3, 5.3); Calibrated: 11/29/2002
- Sensor-Surface: 4mm (Mechanical And Optical Surface Detection)
- Electronics: DAE3 Sn522; Calibrated: 9/11/2002
- Phantom: SAM 12; Type: TP-1217; Serial: QD000P40CA
- Measurement SW: DASY4, V4.1 Build 47; Postprocessing SW: SEMCAD, V1.6 Build 115

G800/Area Scan (91x161x1): Measurement grid: dx=10mm, dy=10mm

Reference Value = 6.64 V/m

Power Drift = 0.03 dB

Maximum value of SAR = 0.693 mW/g

G800/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

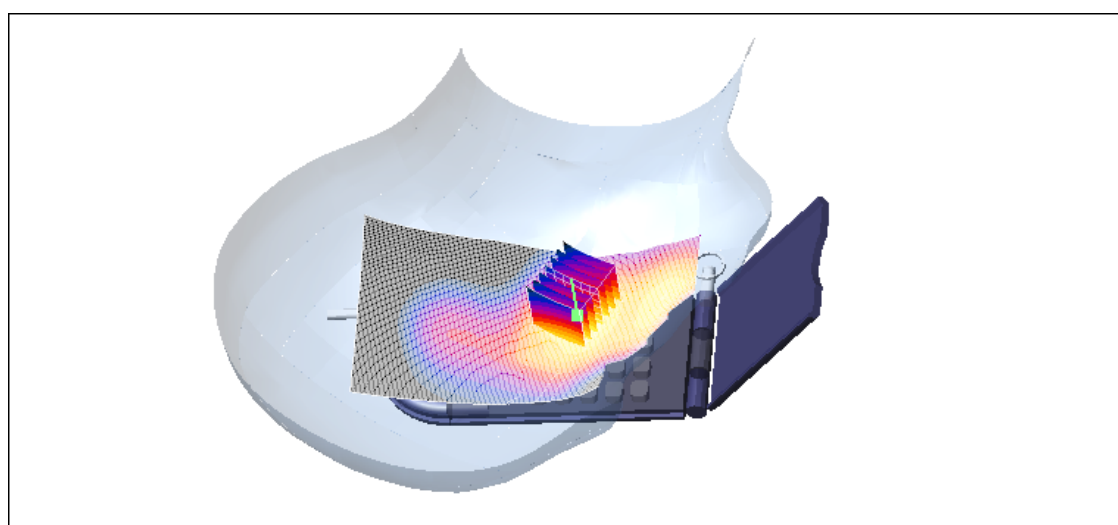
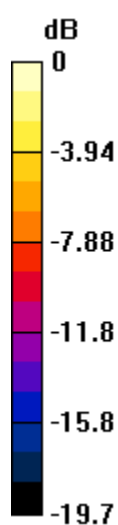
Peak SAR (extrapolated) = 0.976 W/kg

SAR(1 g) = 0.608 mW/g; SAR(10 g) = 0.326 mW/g

Reference Value = 6.64 V/m

Power Drift = 0.03 dB

Maximum value of SAR = 0.67 mW/g



0 dB = 0.67mW/g

Test Laboratory: ELECTRONIC TECHNOLOGY SYSTEMS DR. GENZ GMBH

File Name: [1900_right_ch512_tilted.da4](#)

1900_right_ch512_tilted

DUT: Dual Band GSM 900(E-GSM)/DCS 1800/PCS 1900(with WAP & GPRS); Type: -;

Serial: G800

Program: PCS 1900

Communication System: GSM 1900; Frequency: 1850.2 MHz; Duty Cycle: 1:8

Medium: Head 1900 MHz ($\sigma = 1.3685 \text{ mho/m}$, $\epsilon_r = 39.9283$, $\rho = 1000 \text{ kg/m}^3$)

Phantom section: Right Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1711; ConvF(5.3, 5.3, 5.3); Calibrated: 11/29/2002
- Sensor-Surface: 4mm (Mechanical And Optical Surface Detection)
- Electronics: DAE3 Sn522; Calibrated: 9/11/2002
- Phantom: SAM 12; Type: TP-1217; Serial: QD000P40CA
- Measurement SW: DASY4, V4.1 Build 47; Postprocessing SW: SEMCAD, V1.6 Build 115

G800/Area Scan (91x161x1): Measurement grid: dx=10mm, dy=10mm

Reference Value = 11.5 V/m

Power Drift = 0.01 dB

Maximum value of SAR = 0.18 mW/g

G800/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

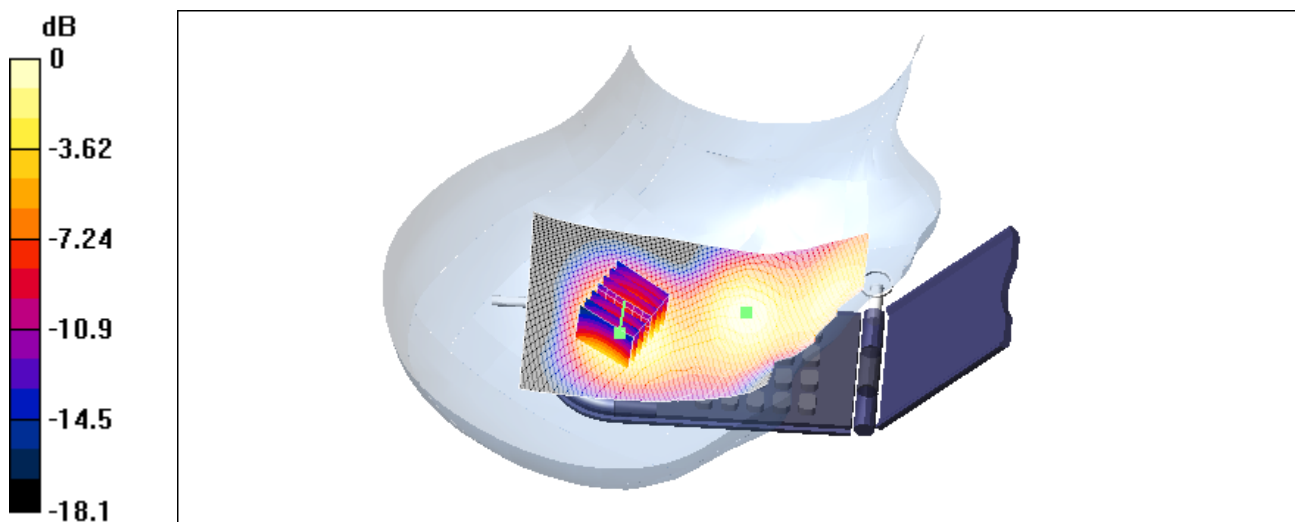
Peak SAR (extrapolated) = 0.244 W/kg

SAR(1 g) = 0.165 mW/g; SAR(10 g) = 0.0975 mW/g

Reference Value = 11.5 V/m

Power Drift = 0.01 dB

Maximum value of SAR = 0.184 mW/g



0 dB = 0.173mW/g

Test Laboratory: ELECTRONIC TECHNOLOGY SYSTEMS DR. GENZ GMBH

File Name: [1900_right_ch661_cheek.da4](#)

1900_right_ch661_cheek

DUT: Dual Band GSM 900(E-GSM)/DCS 1800/PCS 1900(with WAP & GPRS); Type: -;

Serial: G800

Program: PCS 1900

Communication System: GSM 1900; Frequency: 1880 MHz; Duty Cycle: 1:8

Medium: Head 1900 MHz ($\sigma = 1.39732 \text{ mho/m}$, $\epsilon_r = 39.9416$, $\rho = 1000 \text{ kg/m}^3$)

Phantom section: Right Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1711; ConvF(5.3, 5.3, 5.3); Calibrated: 11/29/2002
- Sensor-Surface: 4mm (Mechanical And Optical Surface Detection)
- Electronics: DAE3 Sn522; Calibrated: 9/11/2002
- Phantom: SAM 12; Type: TP-1217; Serial: QD000P40CA
- Measurement SW: DASY4, V4.1 Build 47; Postprocessing SW: SEMCAD, V1.6 Build 115

G800/Area Scan (91x161x1): Measurement grid: dx=10mm, dy=10mm

Reference Value = 7.32 V/m

Power Drift = -0.01 dB

Maximum value of SAR = 0.84 mW/g

G800/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

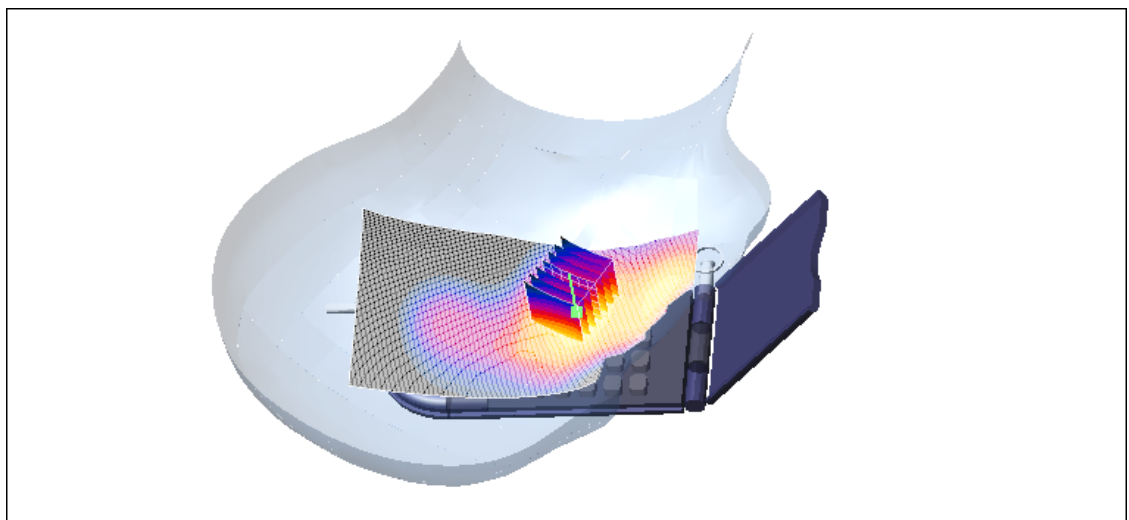
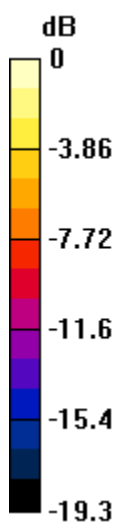
Peak SAR (extrapolated) = 1.21 W/kg

SAR(1 g) = 0.741 mW/g; SAR(10 g) = 0.39 mW/g

Reference Value = 7.32 V/m

Power Drift = -0.01 dB

Maximum value of SAR = 0.829 mW/g



0 dB = 0.829mW/g

Test Laboratory: ELECTRONIC TECHNOLOGY SYSTEMS DR. GENZ GMBH

File Name: [1900_right_ch661_tilted.da4](#)

1900_right_ch661_tilted

DUT: Dual Band GSM 900(E-GSM)/DCS 1800/PCS 1900(with WAP & GPRS); Type: -;

Serial: G800

Program: PCS 1900

Communication System: GSM 1900; Frequency: 1880 MHz; Duty Cycle: 1:8

Medium: Head 1900 MHz ($\sigma = 1.39732 \text{ mho/m}$, $\epsilon_r = 39.9416$, $\rho = 1000 \text{ kg/m}^3$)

Phantom section: Right Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1711; ConvF(5.3, 5.3, 5.3); Calibrated: 11/29/2002
- Sensor-Surface: 4mm (Mechanical And Optical Surface Detection)
- Electronics: DAE3 Sn522; Calibrated: 9/11/2002
- Phantom: SAM 12; Type: TP-1217; Serial: QD000P40CA
- Measurement SW: DASY4, V4.1 Build 47; Postprocessing SW: SEMCAD, V1.6 Build 115

G800/Area Scan (91x161x1): Measurement grid: dx=10mm, dy=10mm

Reference Value = 12.3 V/m

Power Drift = -0.05 dB

Maximum value of SAR = 0.216 mW/g

G800/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

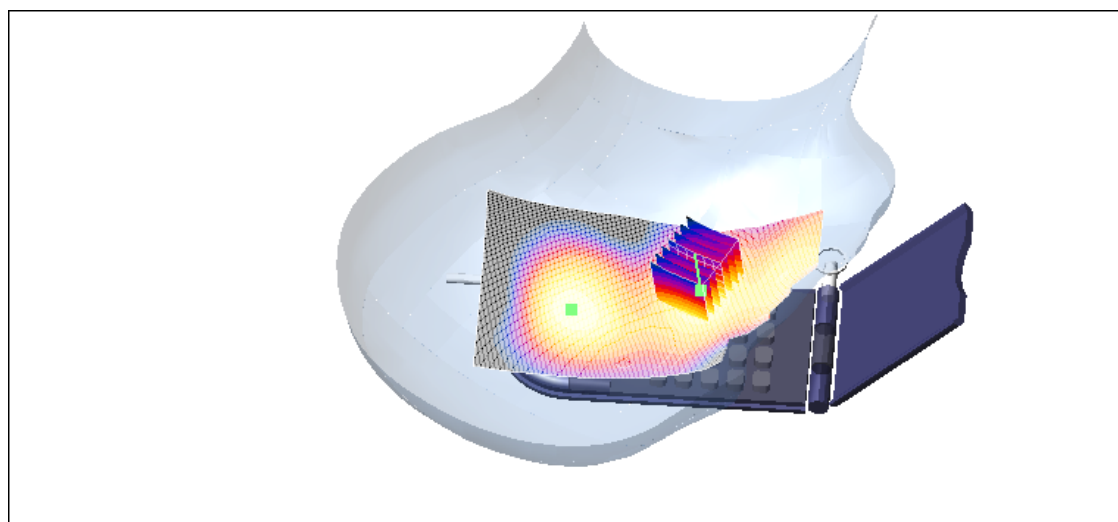
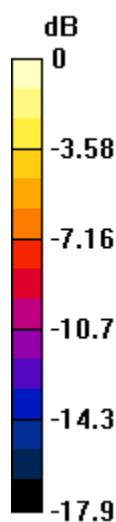
Peak SAR (extrapolated) = 0.313 W/kg

SAR(1 g) = 0.195 mW/g; SAR(10 g) = 0.11 mW/g

Reference Value = 12.3 V/m

Power Drift = -0.05 dB

Maximum value of SAR = 0.215 mW/g



0 dB = 0.207mW/g

Test Laboratory: ELECTRONIC TECHNOLOGY SYSTEMS DR. GENZ GMBH

File Name: [1900_right_ch810_cheek.da4](#)

1900_right_ch810_cheek

DUT: Dual Band GSM 900(E-GSM)/DCS 1800/PCS 1900(with WAP & GPRS); Type: -;

Serial: G800

Program: PCS 1900

Communication System: GSM 1900; Frequency: 1909.8 MHz; Duty Cycle: 1:8

Medium: Head 1900 MHz ($\sigma = 1.4255$ mho/m, $\epsilon_r = 39.78$, $\rho = 1000$ kg/m³)

Phantom section: Right Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1711; ConvF(5.3, 5.3, 5.3); Calibrated: 11/29/2002
- Sensor-Surface: 4mm (Mechanical And Optical Surface Detection)
- Electronics: DAE3 Sn522; Calibrated: 9/11/2002
- Phantom: SAM 12; Type: TP-1217; Serial: QD000P40CA
- Measurement SW: DASY4, V4.1 Build 47; Postprocessing SW: SEMCAD, V1.6 Build 115

G800/Area Scan (91x161x1): Measurement grid: dx=10mm, dy=10mm

Reference Value = 8.47 V/m

Power Drift = 0.01 dB

Maximum value of SAR = 1.16 mW/g

G800/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

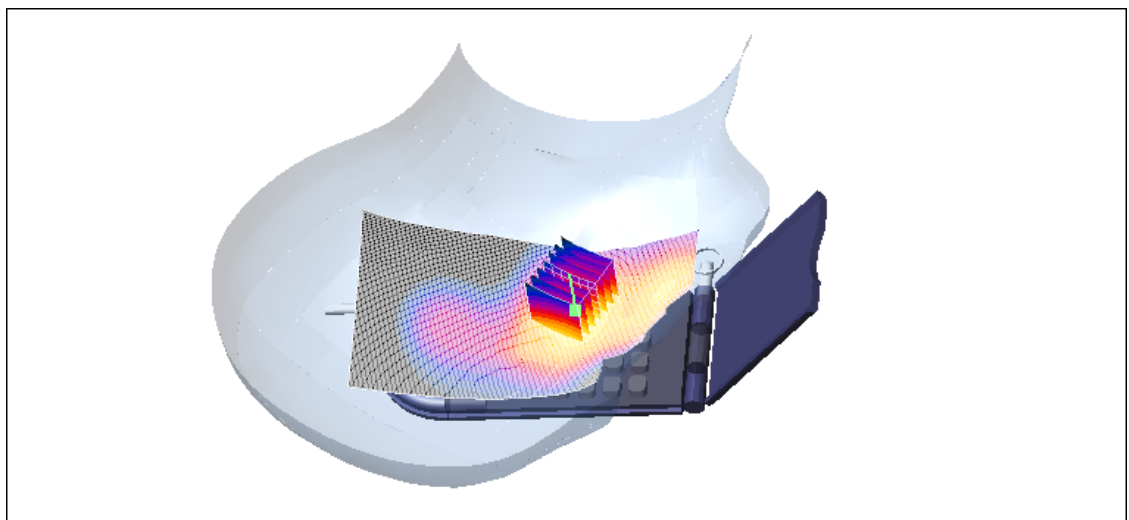
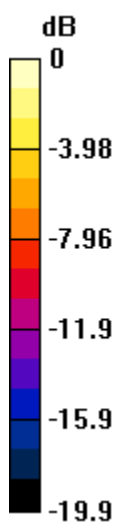
Peak SAR (extrapolated) = 1.69 W/kg

SAR(1 g) = 1.03 mW/g; SAR(10 g) = 0.541 mW/g

Reference Value = 8.47 V/m

Power Drift = 0.01 dB

Maximum value of SAR = 1.16 mW/g



0 dB = 1.16mW/g

Test Laboratory: ELECTRONIC TECHNOLOGY SYSTEMS DR. GENZ GMBH

File Name: [1900_right_ch810_tilted.da4](#)

1900_right_ch810_tilted

DUT: Dual Band GSM 900(E-GSM)/DCS 1800/PCS 1900(with WAP & GPRS); Type: -;

Serial: G800

Program: PCS 1900

Communication System: GSM 1900; Frequency: 1909.8 MHz; Duty Cycle: 1:8

Medium: Head 1900 MHz ($\sigma = 1.4255$ mho/m, $\epsilon_r = 39.78$, $\rho = 1000$ kg/m³)

Phantom section: Right Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1711; ConvF(5.3, 5.3, 5.3); Calibrated: 11/29/2002
- Sensor-Surface: 4mm (Mechanical And Optical Surface Detection)
- Electronics: DAE3 Sn522; Calibrated: 9/11/2002
- Phantom: SAM 12; Type: TP-1217; Serial: QD000P40CA
- Measurement SW: DASY4, V4.1 Build 47; Postprocessing SW: SEMCAD, V1.6 Build 115

G800/Area Scan (91x161x1): Measurement grid: dx=10mm, dy=10mm

Reference Value = 13.8 V/m

Power Drift = 0.01 dB

Maximum value of SAR = 0.302 mW/g

G800/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

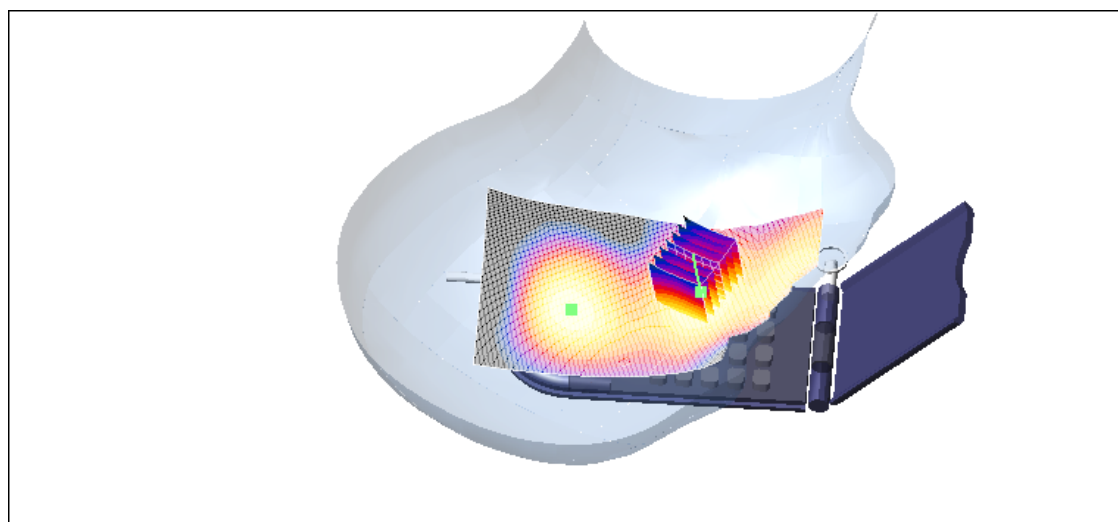
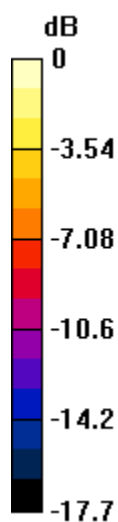
Peak SAR (extrapolated) = 0.451 W/kg

SAR(1 g) = 0.273 mW/g; SAR(10 g) = 0.152 mW/g

Reference Value = 13.8 V/m

Power Drift = 0.01 dB

Maximum value of SAR = 0.295 mW/g



0 dB = 0.266mW/g

Test Laboratory: ELECTRONIC TECHNOLOGY SYSTEMS DR. GENZ GMBH

File Name: [1900_left_ch512_cheek.da4](#)

1900_left_ch512_cheek

DUT: Dual Band GSM 900(E-GSM)/DCS 1800/PCS 1900(with WAP & GPRS); Type: -;

Serial: G800

Program: PCS 1900

Communication System: GSM 1900; Frequency: 1850.2 MHz; Duty Cycle: 1:8

Medium: Head 1900 MHz ($\sigma = 1.3685$ mho/m, $\epsilon_r = 39.9283$, $\rho = 1000$ kg/m³)

Phantom section: Left Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1711; ConvF(5.3, 5.3, 5.3); Calibrated: 11/29/2002
- Sensor-Surface: 4mm (Mechanical And Optical Surface Detection)
- Electronics: DAE3 Sn522; Calibrated: 9/11/2002
- Phantom: SAM 12; Type: TP-1217; Serial: QD000P40CA
- Measurement SW: DASY4, V4.1 Build 47; Postprocessing SW: SEMCAD, V1.6 Build 115

G800/Area Scan (91x161x1): Measurement grid: dx=10mm, dy=10mm

Reference Value = 6.8 V/m

Power Drift = -0.09 dB

Maximum value of SAR = 0.645 mW/g

G800/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

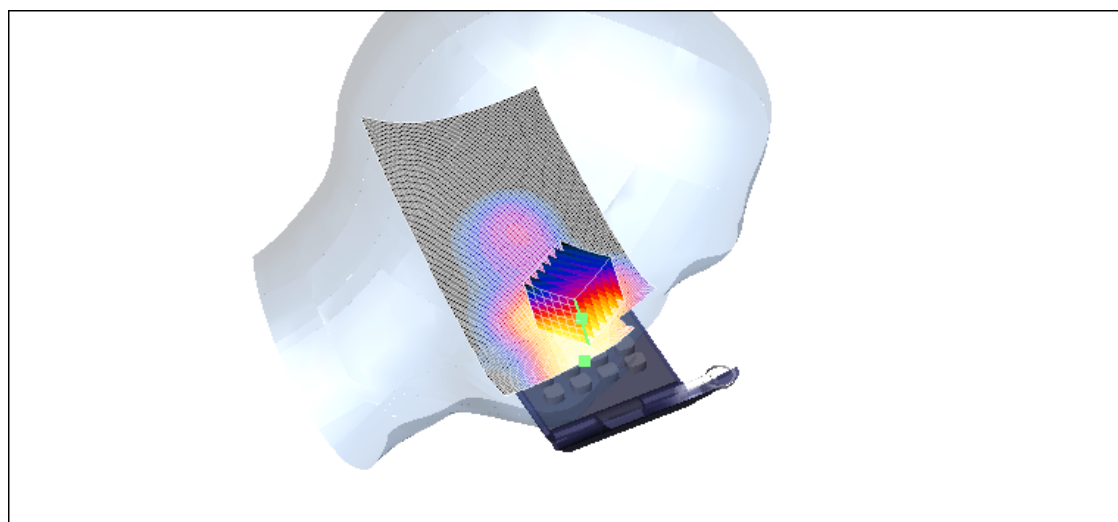
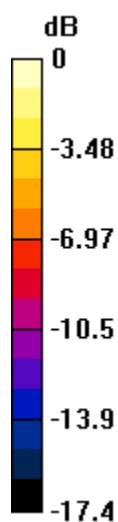
Peak SAR (extrapolated) = 1 W/kg

SAR(1 g) = 0.591 mW/g; SAR(10 g) = 0.331 mW/g

Reference Value = 6.8 V/m

Power Drift = -0.09 dB

Maximum value of SAR = 0.66 mW/g



0 dB = 0.66mW/g

Test Laboratory: ELECTRONIC TECHNOLOGY SYSTEMS DR. GENZ GMBH

File Name: [1900_left_ch512_tilted.da4](#)

1900_left_ch512_tilted

DUT: Dual Band GSM 900(E-GSM)/DCS 1800/PCS 1900(with WAP & GPRS); Type: -;

Serial: G800

Program: PCS 1900

Communication System: GSM 1900; Frequency: 1850.2 MHz; Duty Cycle: 1:8

Medium: Head 1900 MHz ($\sigma = 1.3685$ mho/m, $\epsilon_r = 39.9283$, $\rho = 1000$ kg/m³)

Phantom section: Left Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1711; ConvF(5.3, 5.3, 5.3); Calibrated: 11/29/2002
- Sensor-Surface: 4mm (Mechanical And Optical Surface Detection)
- Electronics: DAE3 Sn522; Calibrated: 9/11/2002
- Phantom: SAM 12; Type: TP-1217; Serial: QD000P40CA
- Measurement SW: DASY4, V4.1 Build 47; Postprocessing SW: SEMCAD, V1.6 Build 115

G800/Area Scan (91x161x1): Measurement grid: dx=10mm, dy=10mm

Reference Value = 11.6 V/m

Power Drift = 0.02 dB

Maximum value of SAR = 0.177 mW/g

G800/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

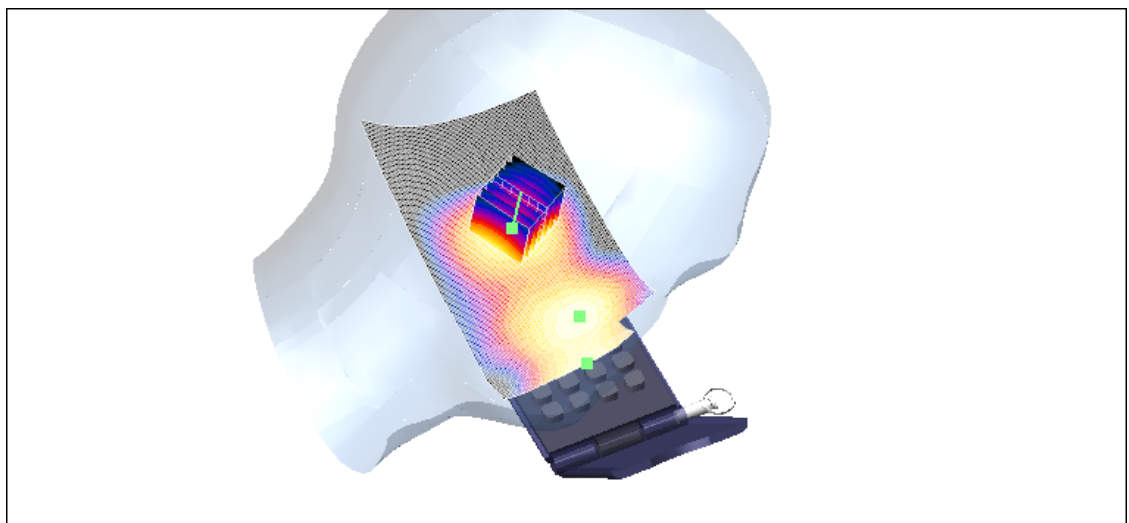
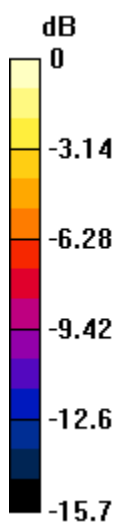
Peak SAR (extrapolated) = 0.236 W/kg

SAR(1 g) = 0.159 mW/g; SAR(10 g) = 0.093 mW/g

Reference Value = 11.6 V/m

Power Drift = 0.02 dB

Maximum value of SAR = 0.174 mW/g



0 dB = 0.172mW/g

Test Laboratory: ELECTRONIC TECHNOLOGY SYSTEMS DR. GENZ GMBH

File Name: [1900_left_ch661_cheek.da4](#)

1900_left_ch661_cheek

DUT: Dual Band GSM 900(E-GSM)/DCS 1800/PCS 1900(with WAP & GPRS); Type: -;

Serial: G800

Program: PCS 1900

Communication System: GSM 1900; Frequency: 1880 MHz; Duty Cycle: 1:8

Medium: Head 1900 MHz ($\sigma = 1.39732 \text{ mho/m}$, $\epsilon_r = 39.9416$, $\rho = 1000 \text{ kg/m}^3$)

Phantom section: Left Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1711; ConvF(5.3, 5.3, 5.3); Calibrated: 11/29/2002
- Sensor-Surface: 4mm (Mechanical And Optical Surface Detection)
- Electronics: DAE3 Sn522; Calibrated: 9/11/2002
- Phantom: SAM 12; Type: TP-1217; Serial: QD000P40CA
- Measurement SW: DASY4, V4.1 Build 47; Postprocessing SW: SEMCAD, V1.6 Build 115

G800/Area Scan (91x161x1): Measurement grid: dx=10mm, dy=10mm

Reference Value = 7.34 V/m

Power Drift = -0.08 dB

Maximum value of SAR = 0.768 mW/g

G800/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

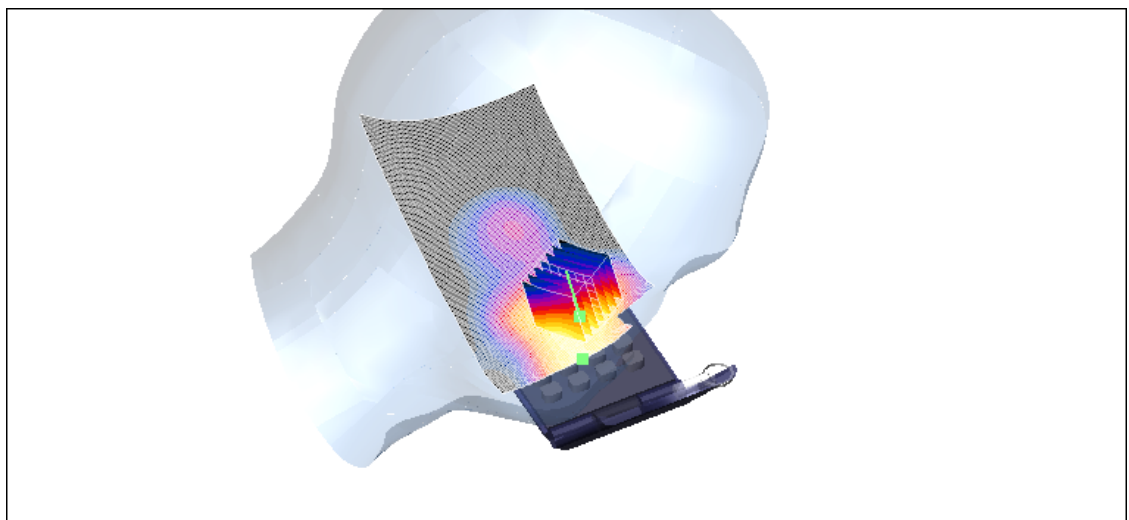
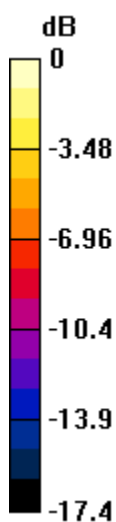
Peak SAR (extrapolated) = 1.19 W/kg

SAR(1 g) = 0.705 mW/g; SAR(10 g) = 0.39 mW/g

Reference Value = 7.34 V/m

Power Drift = -0.08 dB

Maximum value of SAR = 0.768 mW/g



0 dB = 0.768mW/g

Test Laboratory: ELECTRONIC TECHNOLOGY SYSTEMS DR. GENZ GMBH

File Name: [1900_left_ch661_tilted.da4](#)

1900_left_ch661_tilted

DUT: Dual Band GSM 900(E-GSM)/DCS 1800/PCS 1900(with WAP & GPRS); Type: -;

Serial: G800

Program: PCS 1900

Communication System: GSM 1900; Frequency: 1880 MHz; Duty Cycle: 1:8

Medium: Head 1900 MHz ($\sigma = 1.39732 \text{ mho/m}$, $\epsilon_r = 39.9416$, $\rho = 1000 \text{ kg/m}^3$)

Phantom section: Left Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1711; ConvF(5.3, 5.3, 5.3); Calibrated: 11/29/2002
- Sensor-Surface: 4mm (Mechanical And Optical Surface Detection)
- Electronics: DAE3 Sn522; Calibrated: 9/11/2002
- Phantom: SAM 12; Type: TP-1217; Serial: QD000P40CA
- Measurement SW: DASY4, V4.1 Build 47; Postprocessing SW: SEMCAD, V1.6 Build 115

G800/Area Scan (91x161x1): Measurement grid: dx=10mm, dy=10mm

Reference Value = 12.4 V/m

Power Drift = -0.0003 dB

Maximum value of SAR = 0.21 mW/g

G800/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

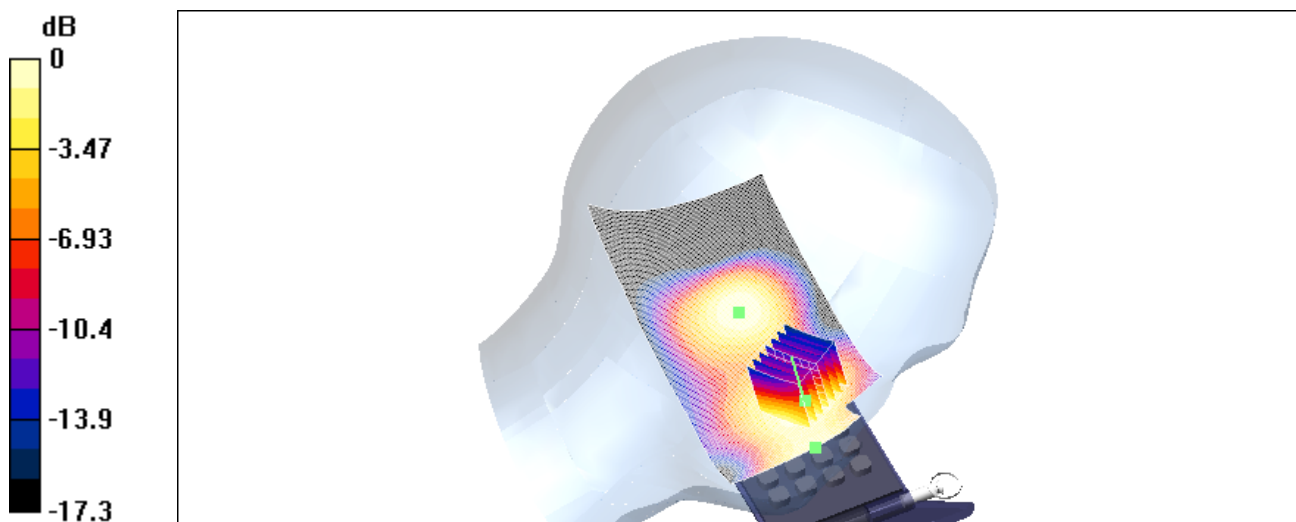
Peak SAR (extrapolated) = 0.32 W/kg

SAR(1 g) = 0.195 mW/g; SAR(10 g) = 0.113 mW/g

Reference Value = 12.4 V/m

Power Drift = -0.0003 dB

Maximum value of SAR = 0.211 mW/g



0 dB = 0.2mW/g

Test Laboratory: ELECTRONIC TECHNOLOGY SYSTEMS DR. GENZ GMBH

File Name: [1900_left_ch810_cheek.da4](#)

1900_left_ch810_cheek

DUT: Dual Band GSM 900(E-GSM)/DCS 1800/PCS 1900(with WAP & GPRS); Type: -;

Serial: G800

Program: PCS 1900

Communication System: GSM 1900; Frequency: 1909.8 MHz; Duty Cycle: 1:8

Medium: Head 1900 MHz ($\sigma = 1.4255$ mho/m, $\epsilon_r = 39.78$, $\rho = 1000$ kg/m³)

Phantom section: Left Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1711; ConvF(5.3, 5.3, 5.3); Calibrated: 11/29/2002
- Sensor-Surface: 4mm (Mechanical And Optical Surface Detection)
- Electronics: DAE3 Sn522; Calibrated: 9/11/2002
- Phantom: SAM 12; Type: TP-1217; Serial: QD000P40CA
- Measurement SW: DASY4, V4.1 Build 47; Postprocessing SW: SEMCAD, V1.6 Build 115

G800/Area Scan (91x161x1): Measurement grid: dx=10mm, dy=10mm

Reference Value = 8.02 V/m

Power Drift = 0.001 dB

Maximum value of SAR = 0.966 mW/g

G800/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

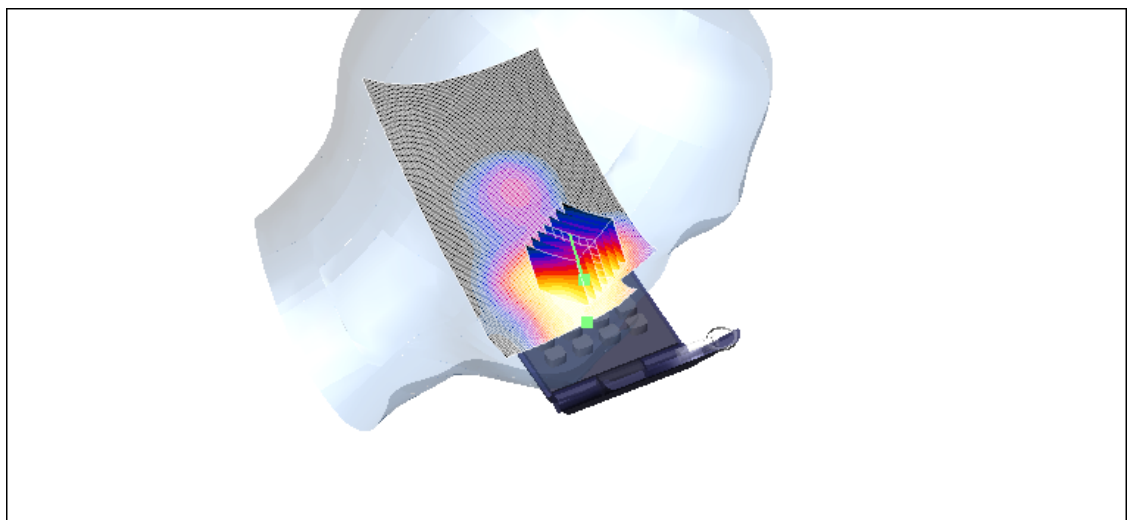
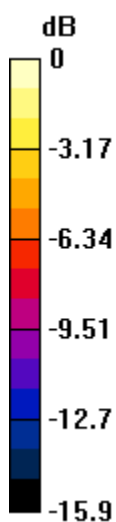
Peak SAR (extrapolated) = 1.55 W/kg

SAR(1 g) = 0.92 mW/g; SAR(10 g) = 0.503 mW/g

Reference Value = 8.02 V/m

Power Drift = 0.001 dB

Maximum value of SAR = 1.01 mW/g



0 dB = 0.69mW/g

Test Laboratory: ELECTRONIC TECHNOLOGY SYSTEMS DR. GENZ GMBH

File Name: [1900_left_ch810_tilted.da4](#)

1900_left_ch810_tilted

DUT: Dual Band GSM 900(E-GSM)/DCS 1800/PCS 1900(with WAP & GPRS); Type: -;

Serial: G800

Program: PCS 1900

Communication System: GSM 1900; Frequency: 1909.8 MHz; Duty Cycle: 1:8

Medium: Head 1900 MHz ($\sigma = 1.4255$ mho/m, $\epsilon_r = 39.78$, $\rho = 1000$ kg/m³)

Phantom section: Left Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1711; ConvF(5.3, 5.3, 5.3); Calibrated: 11/29/2002
- Sensor-Surface: 4mm (Mechanical And Optical Surface Detection)
- Electronics: DAE3 Sn522; Calibrated: 9/11/2002
- Phantom: SAM 12; Type: TP-1217; Serial: QD000P40CA
- Measurement SW: DASY4, V4.1 Build 47; Postprocessing SW: SEMCAD, V1.6 Build 115

G800/Area Scan (91x161x1): Measurement grid: dx=10mm, dy=10mm

Reference Value = 14 V/m

Power Drift = -0.08 dB

Maximum value of SAR = 0.294 mW/g

G800/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

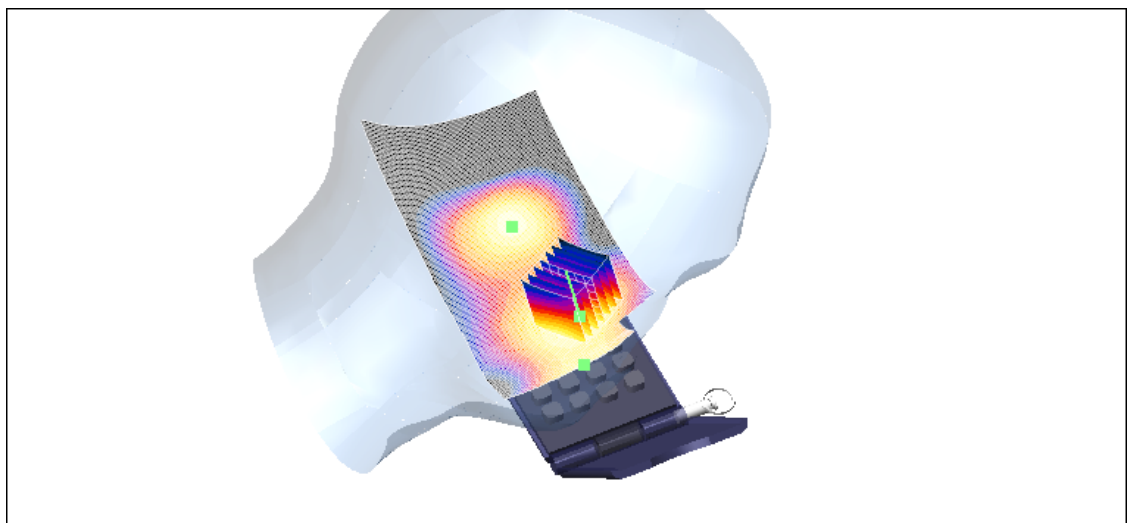
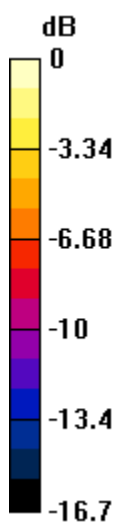
Peak SAR (extrapolated) = 0.457 W/kg

SAR(1 g) = 0.272 mW/g; SAR(10 g) = 0.155 mW/g

Reference Value = 14 V/m

Power Drift = -0.08 dB

Maximum value of SAR = 0.293 mW/g



0 dB = 0.293mW/g

Test Laboratory: ELECTRONIC TECHNOLOGY SYSTEMS DR. GENZ GMBH

File Name: [1900_flat_ch512_front.da4](#)

1900_flat_ch512_front

DUT: Dual Band GSM 900(E-GSM)/DCS 1800/PCS 1900(with WAP&GPRS); Type: -; Serial: G800

Program: PCS 1900

Communication System: GSM 1900; Frequency: 1850.2 MHz; Duty Cycle: 1:8

Medium: Muscle 1900 MHz ($\sigma = 1.50124$ mho/m, $\epsilon_r = 51.4688$, $\rho = 1000$ kg/m³)

Phantom section: Flat Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1711; ConvF(5, 5, 5); Calibrated: 11/29/2002
- Sensor-Surface: 4mm (Mechanical And Optical Surface Detection)
- Electronics: DAE3 Sn522; Calibrated: 9/11/2002
- Phantom: SAM 12; Type: TP-1217; Serial: QD000P40CA
- Measurement SW: DASY4, V4.1 Build 47; Postprocessing SW: SEMCAD, V1.6 Build 115

G800/Area Scan (141x71x1): Measurement grid: dx=10mm, dy=10mm

Reference Value = 6.28 V/m

Power Drift = -0.01 dB

Maximum value of SAR = 0.0689 mW/g

G800/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

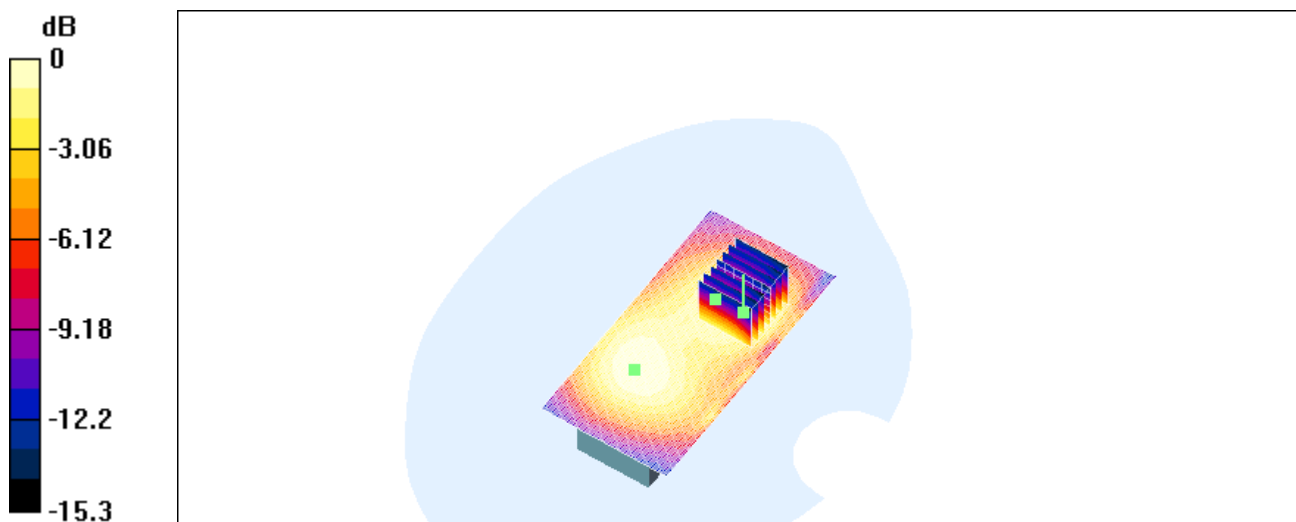
Peak SAR (extrapolated) = 0.106 W/kg

SAR(1 g) = 0.0638 mW/g; SAR(10 g) = 0.038 mW/g

Reference Value = 6.28 V/m

Power Drift = -0.01 dB

Maximum value of SAR = 0.0678 mW/g



0 dB = 0.0678mW/g

Test Laboratory: ELECTRONIC TECHNOLOGY SYSTEMS DR. GENZ GMBH

File Name: [1900_flat_ch512_back.da4](#)

1900_flat_ch512_back

DUT: Dual Band GSM 900(E-GSM)/DCS 1800/PCS 1900(with WAP&GPRS); Type: -; Serial: G800

Program: PCS 1900

Communication System: GSM 1900; Frequency: 1850.2 MHz; Duty Cycle: 1:8

Medium: Muscle 1900 MHz ($\sigma = 1.50124$ mho/m, $\epsilon_r = 51.4688$, $\rho = 1000$ kg/m³)

Phantom section: Flat Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1711; ConvF(5, 5, 5); Calibrated: 11/29/2002
- Sensor-Surface: 4mm (Mechanical And Optical Surface Detection)
- Electronics: DAE3 Sn522; Calibrated: 9/11/2002
- Phantom: SAM 12; Type: TP-1217; Serial: QD000P40CA
- Measurement SW: DASY4, V4.1 Build 47; Postprocessing SW: SEMCAD, V1.6 Build 115

G800/Area Scan (131x71x1): Measurement grid: dx=10mm, dy=10mm

Reference Value = 6.78 V/m

Power Drift = 0.05 dB

Maximum value of SAR = 0.132 mW/g

G800/Zoom Scan (7x7x7)/Cube 1: Measurement grid: dx=5mm, dy=5mm, dz=5mm

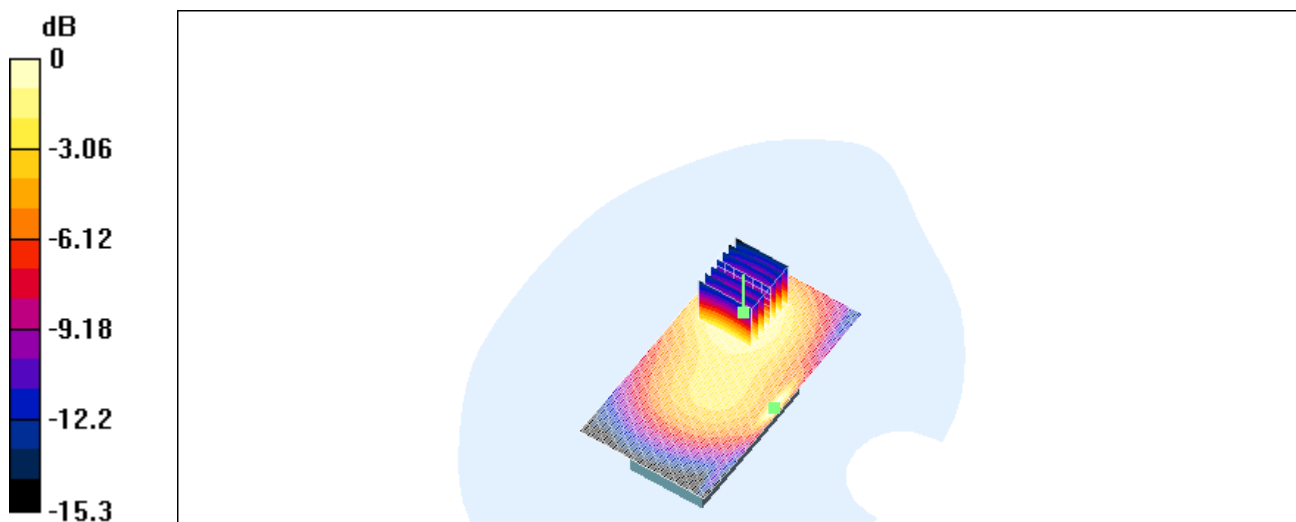
Peak SAR (extrapolated) = 0.163 W/kg

SAR(1 g) = 0.1 mW/g; SAR(10 g) = 0.0607 mW/g

Reference Value = 6.78 V/m

Power Drift = 0.05 dB

Maximum value of SAR = 0.108 mW/g



0 dB = 0.108mW/g

Test Laboratory: ELECTRONIC TECHNOLOGY SYSTEMS DR. GENZ GMBH

File Name: [1900_flat_ch661_front.da4](#)

1900_flat_ch661_front

DUT: Dual Band GSM 900(E-GSM)/DCS 1800/PCS 1900(with WAP&GPRS); Type: -; Serial: G800

Program: PCS 1900

Communication System: GSM 1900; Frequency: 1880.0 MHz; Duty Cycle: 1:8

Medium: Muscle 1900 MHz ($\sigma = 1.50124$ mho/m, $\epsilon_r = 51.4688$, $\rho = 1000$ kg/m³)

Phantom section: Flat Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1711; ConvF(5, 5, 5); Calibrated: 11/29/2002
- Sensor-Surface: 4mm (Mechanical And Optical Surface Detection)
- Electronics: DAE3 Sn522; Calibrated: 9/11/2002
- Phantom: SAM 12; Type: TP-1217; Serial: QD000P40CA
- Measurement SW: DASY4, V4.1 Build 47; Postprocessing SW: SEMCAD, V1.6 Build 115

G800/Area Scan (141x71x1): Measurement grid: dx=10mm, dy=10mm

Reference Value = 7.09 V/m

Power Drift = 0.008 dB

Maximum value of SAR = 0.0775 mW/g

G800/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

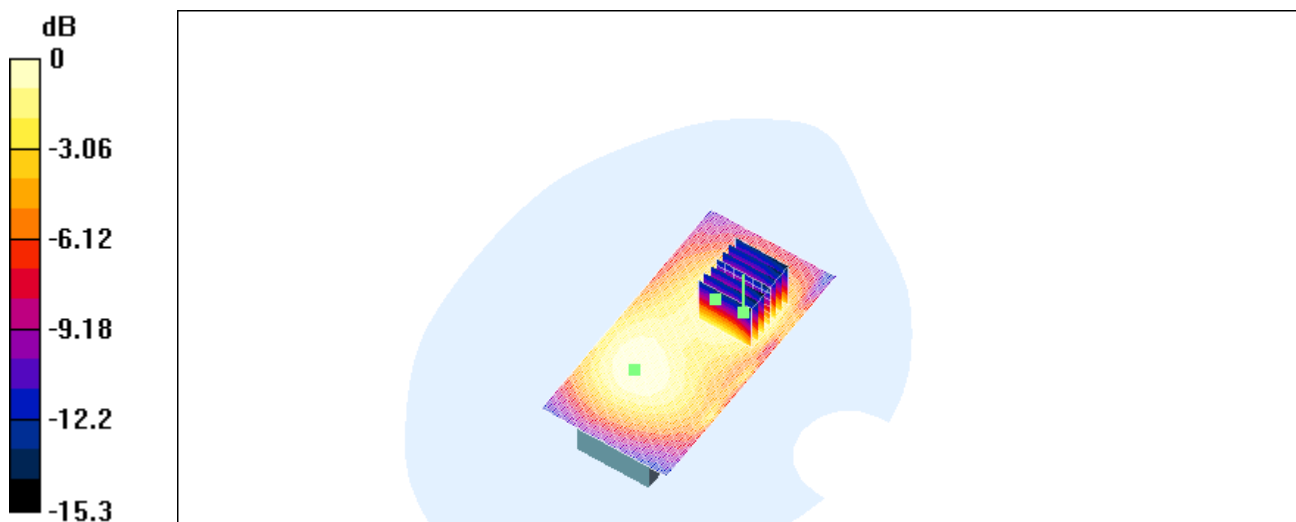
Peak SAR (extrapolated) = 0.109 W/kg

SAR(1 g) = 0.0725 mW/g; SAR(10 g) = 0.036 mW/g

Reference Value = 7.09 V/m

Power Drift = 0.008 dB

Maximum value of SAR = 0.0764 mW/g



Test Laboratory: ELECTRONIC TECHNOLOGY SYSTEMS DR. GENZ GMBH

File Name: [1900_flat_ch661_back.da4](#)

1900_flat_ch661_back

DUT: Dual Band GSM 900(E-GSM)/DCS 1800/PCS 1900(with WAP&GPRS); Type: -; Serial: G800

Program: PCS 1900

Communication System: GSM 1900; Frequency: 1880 MHz; Duty Cycle: 1:8

Medium: Muscle 1900 MHz ($\sigma = 1.53533$ mho/m, $\epsilon_r = 51.3967$, $\rho = 1000$ kg/m³)

Phantom section: Flat Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1711; ConvF(5, 5, 5); Calibrated: 11/29/2002
- Sensor-Surface: 4mm (Mechanical And Optical Surface Detection)
- Electronics: DAE3 Sn522; Calibrated: 9/11/2002
- Phantom: SAM 12; Type: TP-1217; Serial: QD000P40CA
- Measurement SW: DASY4, V4.1 Build 47; Postprocessing SW: SEMCAD, V1.6 Build 115

G800/Area Scan (131x71x1): Measurement grid: dx=10mm, dy=10mm

Reference Value = 7.07 V/m

Power Drift = 0.02 dB

Maximum value of SAR = 0.138 mW/g

G800/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

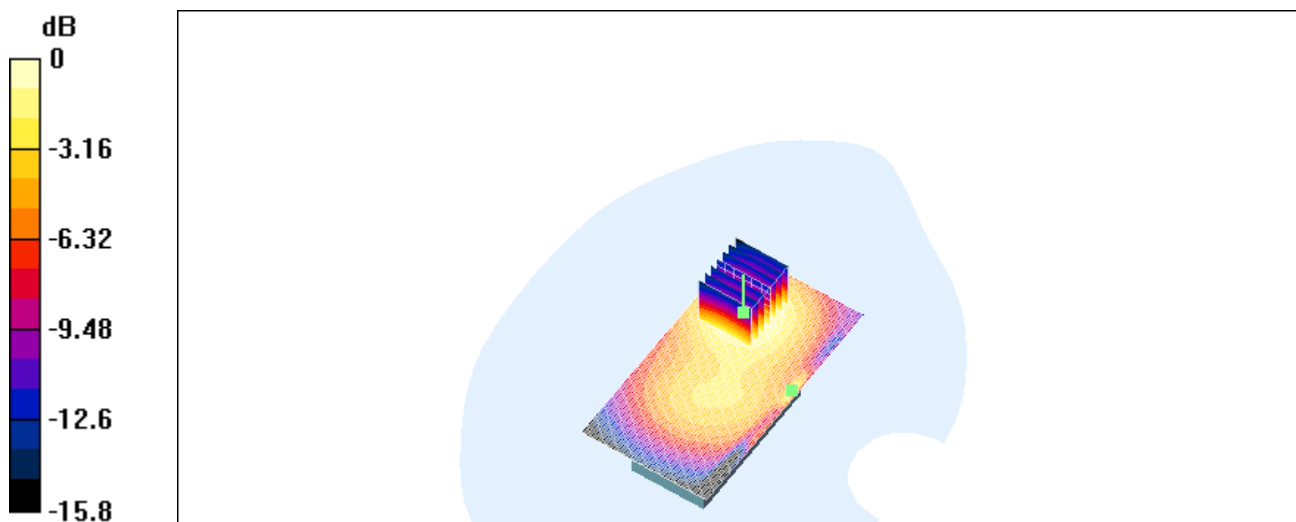
Peak SAR (extrapolated) = 0.212 W/kg

SAR(1 g) = 0.131 mW/g; SAR(10 g) = 0.0775 mW/g

Reference Value = 7.07 V/m

Power Drift = 0.02 dB

Maximum value of SAR = 0.14 mW/g



0 dB = 0.14mW/g

Test Laboratory: ELECTRONIC TECHNOLOGY SYSTEMS DR. GENZ GMBH

File Name: [1900_flat_ch810_front.da4](#)

1900_flat_ch810_front

DUT: Dual Band GSM 900(E-GSM)/DCS 1800/PCS 1900(with WAP&GPRS); Type: -; Serial: G800

Program: PCS 1900

Communication System: GSM 1900; Frequency: 1909.8 MHz; Duty Cycle: 1:8

Medium: Muscle 1900 MHz ($\sigma = 1.50124$ mho/m, $\epsilon_r = 51.4688$, $\rho = 1000$ kg/m³)

Phantom section: Flat Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1711; ConvF(5, 5, 5); Calibrated: 11/29/2002
- Sensor-Surface: 4mm (Mechanical And Optical Surface Detection)
- Electronics: DAE3 Sn522; Calibrated: 9/11/2002
- Phantom: SAM 12; Type: TP-1217; Serial: QD000P40CA
- Measurement SW: DASY4, V4.1 Build 47; Postprocessing SW: SEMCAD, V1.6 Build 115

G800/Area Scan (141x71x1): Measurement grid: dx=10mm, dy=10mm

Reference Value = 7.67 V/m

Power Drift = -0.05 dB

Maximum value of SAR = 0.120 mW/g

G800/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

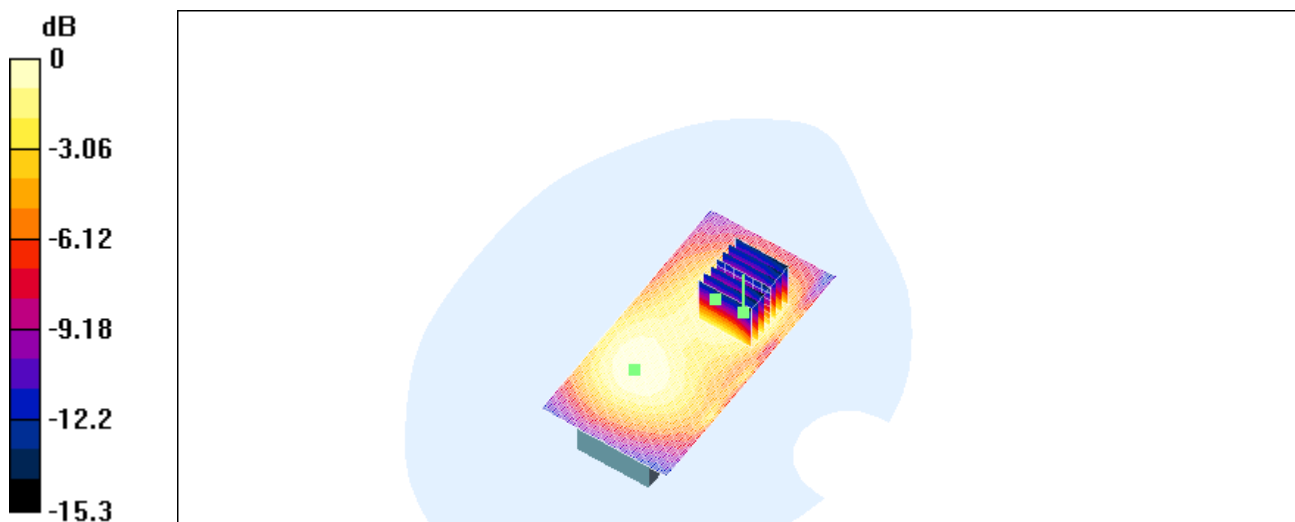
Peak SAR (extrapolated) = 0.183 W/kg

SAR(1 g) = 0.0819 mW/g; SAR(10 g) = 0.0373 mW/g

Reference Value = 7.67 V/m

Power Drift = -0.05 dB

Maximum value of SAR = 0.115 mW/g



0 dB = 0.115mW/g

Test Laboratory: ELECTRONIC TECHNOLOGY SYSTEMS DR. GENZ GMBH

File Name: [1900_flat_ch810_back.da4](#)

1900_flat_ch810_back

DUT: Dual Band GSM 900(E-GSM)/DCS 1800/PCS 1900(with WAP&GPRS); Type: -; Serial: G800

Program: PCS 1900

Communication System: GSM 1900; Frequency: 1909.8 MHz; Duty Cycle: 1:8

Medium: Muscle 1900 MHz ($\sigma = 1.58147$ mho/m, $\epsilon_r = 51.4107$, $\rho = 1000$ kg/m³)

Phantom section: Flat Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1711; ConvF(5, 5, 5); Calibrated: 11/29/2002
- Sensor-Surface: 4mm (Mechanical And Optical Surface Detection)
- Electronics: DAE3 Sn522; Calibrated: 9/11/2002
- Phantom: SAM 12; Type: TP-1217; Serial: QD000P40CA
- Measurement SW: DASY4, V4.1 Build 47; Postprocessing SW: SEMCAD, V1.6 Build 115

G800/Area Scan (131x71x1): Measurement grid: dx=10mm, dy=10mm

Reference Value = 7.74 V/m

Power Drift = 0.02 dB

Maximum value of SAR = 0.211 mW/g

G800/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

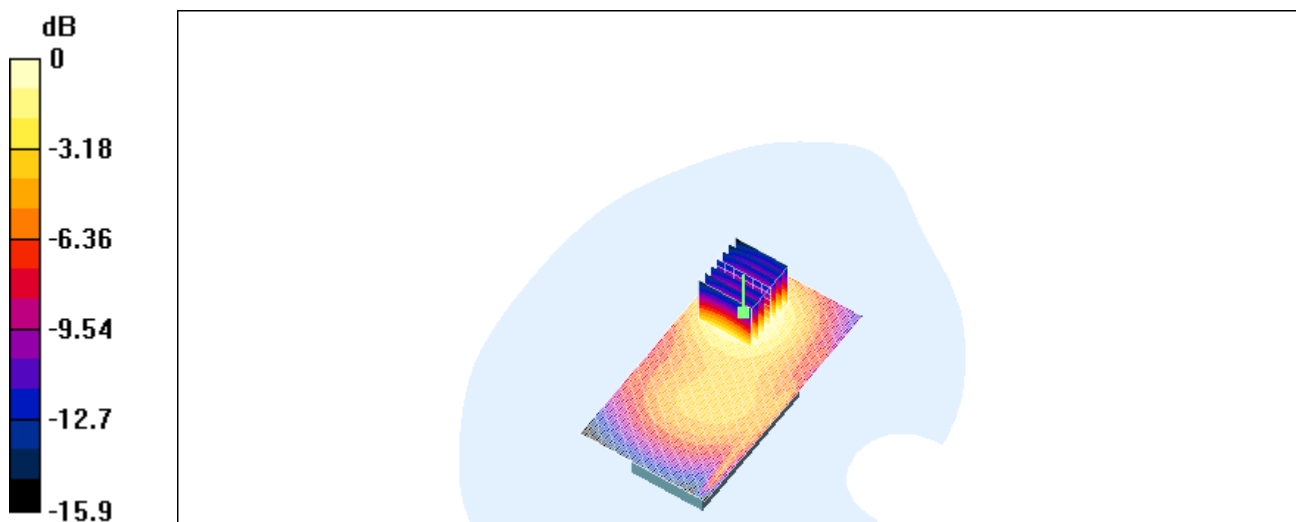
Peak SAR (extrapolated) = 0.318 W/kg

SAR(1 g) = 0.193 mW/g; SAR(10 g) = 0.113 mW/g

Reference Value = 7.74 V/m

Power Drift = 0.02 dB

Maximum value of SAR = 0.205 mW/g



0 dB = 0.205mW/g

Test Laboratory: ELECTRONIC TECHNOLOGY SYSTEMS DR. GENZ GMBH

File Name: [1900_right_ch810_cheek.da4](#)

1900_right_ch810_cheek

DUT: Dual Band GSM 900(E-GSM)/DCS 1800/PCS 1900(with WAP & GPRS); Type: -;

Serial: G800

Program: PCS 1900

Communication System: GSM 1900; Frequency: 1909.8 MHz; Duty Cycle: 1:8

Medium: Head 1900 MHz ($\sigma = 1.4255$ mho/m, $\epsilon_r = 39.78$, $\rho = 1000$ kg/m³)

Phantom section: Right Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1711; ConvF(5.3, 5.3, 5.3); Calibrated: 11/29/2002
- Sensor-Surface: 4mm (Mechanical And Optical Surface Detection)
- Electronics: DAE3 Sn522; Calibrated: 9/11/2002
- Phantom: SAM 12; Type: TP-1217; Serial: QD000P40CA
- Measurement SW: DASY4, V4.1 Build 47; Postprocessing SW: SEMCAD, V1.6 Build 115

G800/Area Scan (91x161x1): Measurement grid: dx=10mm, dy=10mm

G800/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

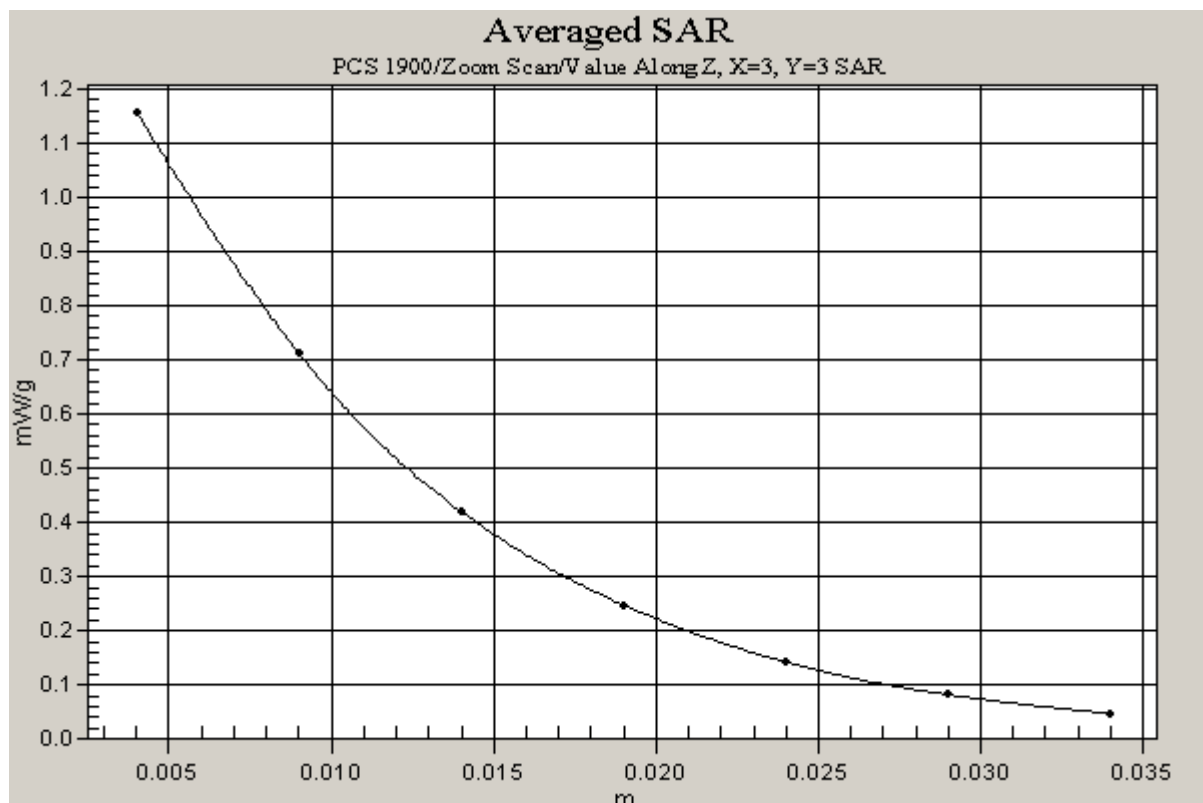
Peak SAR (extrapolated) = 1.69 W/kg

SAR(1 g) = 1.03 mW/g; SAR(10 g) = 0.541 mW/g

Reference Value = 8.47 V/m

Power Drift = 0.01 dB

Maximum value of SAR = 1.16 mW/g



Appendix C

Pictures

Appendix

A. Pictures















