

Appendix B

Measurement Plots

Date/Time: 08/26/03 14:58:43

Test Laboratory: ELECTRONIC TECHNOLOGY SYSTEMS DR. GENZ GMBH

File Name: [Dipol Valid.1900\(h\)_26.08.03.da4](#)**Dipol Valid.1900(h)_26.08.03****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 (17dBm)/Area Scan (81x81x1): Measurement grid: dx=10mm, dy=10mm

Reference Value = 41.9 V/m

Power Drift = 0.1 dB

Maximum value of SAR = 2.28 mW/g

Dipol 1900 (17dBm)/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

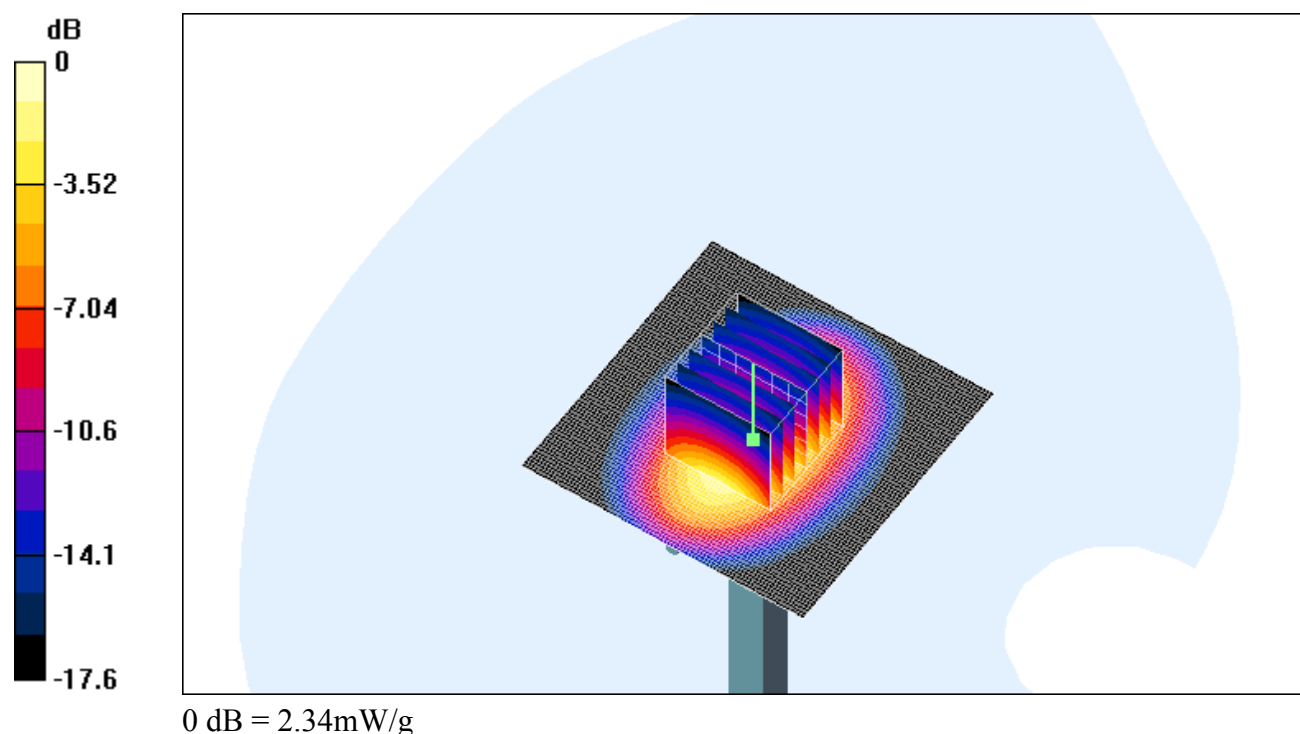
Peak SAR (extrapolated) = 3.81 W/kg

SAR(1 g) = 2.09 mW/g; SAR(10 g) = 1.07 mW/g

Reference Value = 41.9 V/m

Power Drift = 0.1 dB

Maximum value of SAR = 2.34 mW/g



Date/Time: 08/27/03 13:15:44

Test Laboratory: ELECTRONIC TECHNOLOGY SYSTEMS DR. GENZ GMBH

File Name: [Dipol Valid.1900\(h\)_27.08.03.da4](#)**Dipol Valid.1900(h)_27.08.03****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 (17dBm)/Area Scan (81x81x1): Measurement grid: dx=10mm, dy=10mm

Reference Value = 42.0 V/m

Power Drift = 0.12 dB

Maximum value of SAR = 2.3 mW/g

Dipol 1900 (17dBm)/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

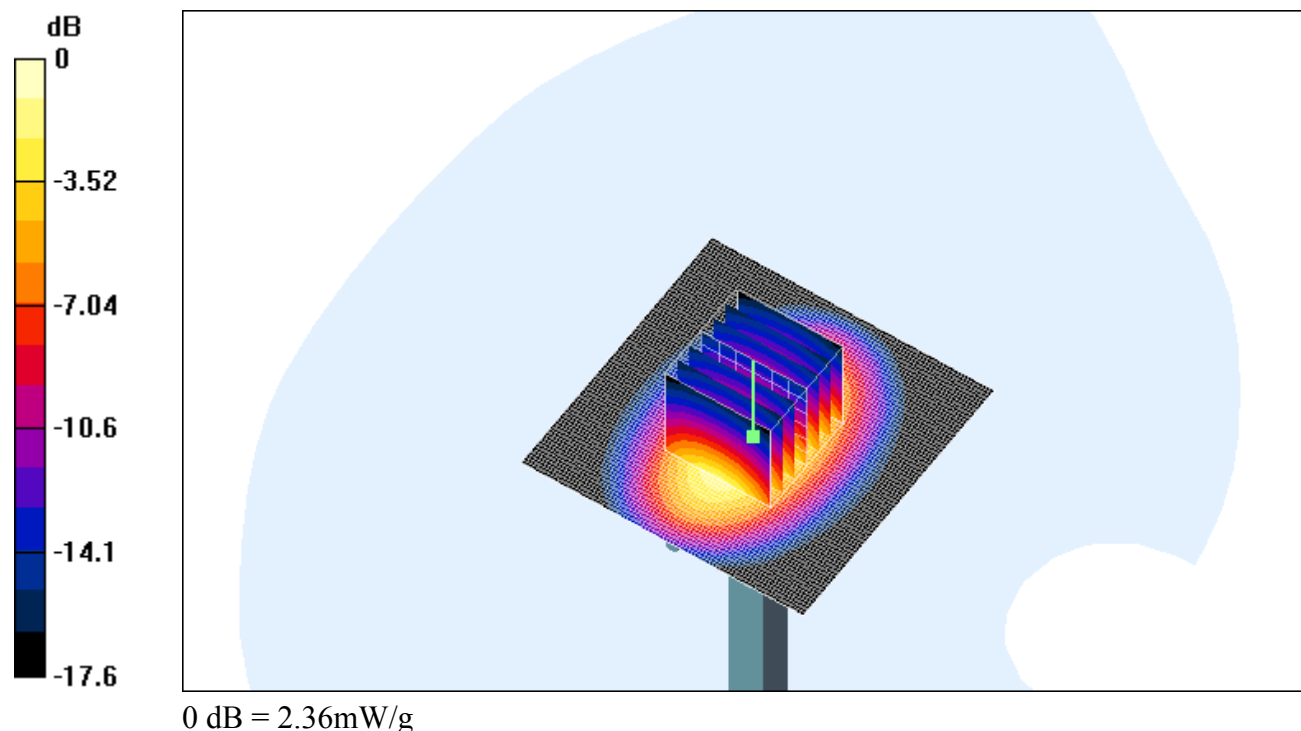
Peak SAR (extrapolated) = 3.83 W/kg

SAR(1 g) = 2.1 mW/g; SAR(10 g) = 1.09 mW/g

Reference Value = 42.0 V/m

Power Drift = 0.12 dB

Maximum value of SAR = 2.36 mW/g



Date/Time: 08/28/03 07:41:33

Test Laboratory: ELECTRONIC TECHNOLOGY SYSTEMS DR. GENZ GMBH

File Name: [Dipol Valid.1900\(h\)_28.08.03.da4](#)**Dipol Valid.1900(h)_28.08.03****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 (17dBm)/Area Scan (81x81x1): Measurement grid: dx=10mm, dy=10mm

Reference Value = 41.7 V/m

Power Drift = -0.04 dB

Maximum value of SAR = 2.2 mW/g

Dipol 1900 (17dBm)/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

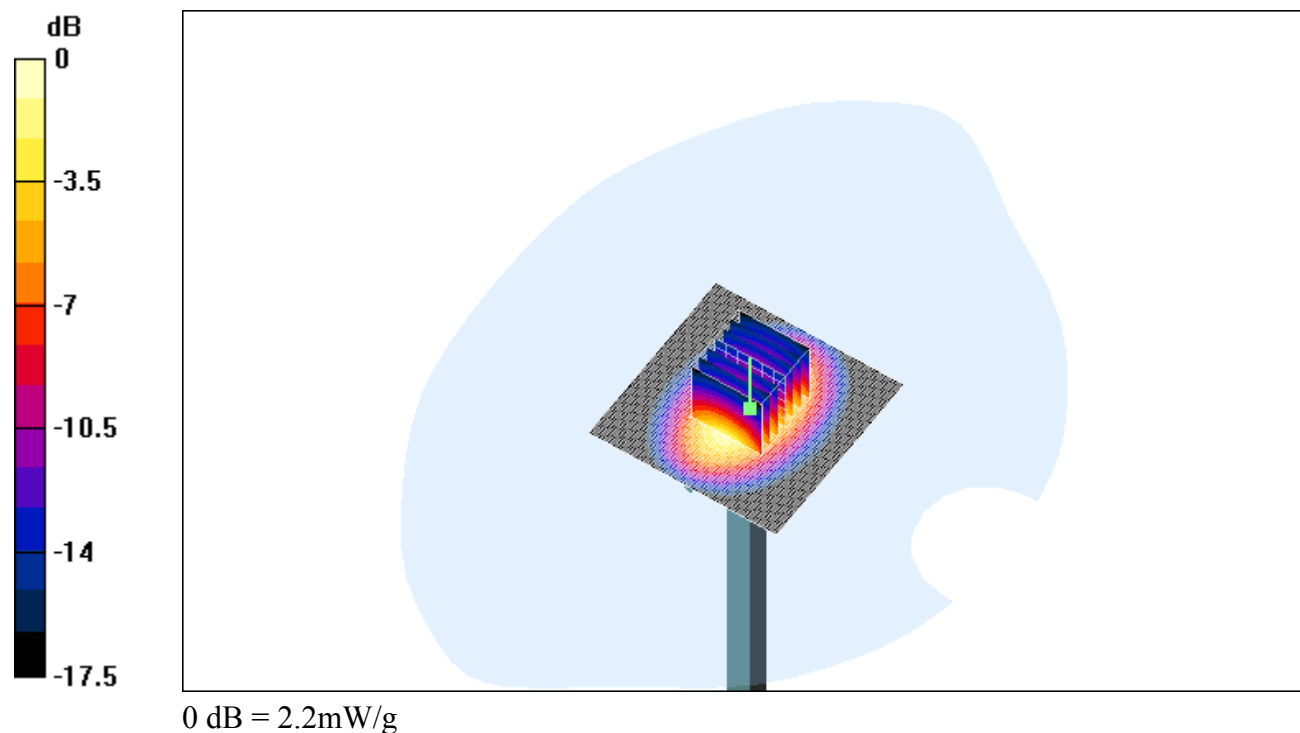
Peak SAR (extrapolated) = 3.53 W/kg

SAR(1 g) = 1.97 mW/g; SAR(10 g) = 1.02 mW/g

Reference Value = 41.7 V/m

Power Drift = -0.04 dB

Maximum value of SAR = 2.2 mW/g



Date/Time: 08/27/03 17:25:20

Test Laboratory: ELECTRONIC TECHNOLOGY SYSTEMS DR. GENZ GMBH

File Name: [1900_right_ch512_cheek.da4](#)**1900_right_ch512_cheek****DUT: Dual Band GSM900 (EGSM) / PCS1900 (with WAP & GPRS); Type: -; Serial: G510**
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

G510/Area Scan (101x141x1): Measurement grid: dx=10mm, dy=10mm

Reference Value = 7.15 V/m

Power Drift = 0.04 dB

Maximum value of SAR = 0.567 mW/g

G510/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

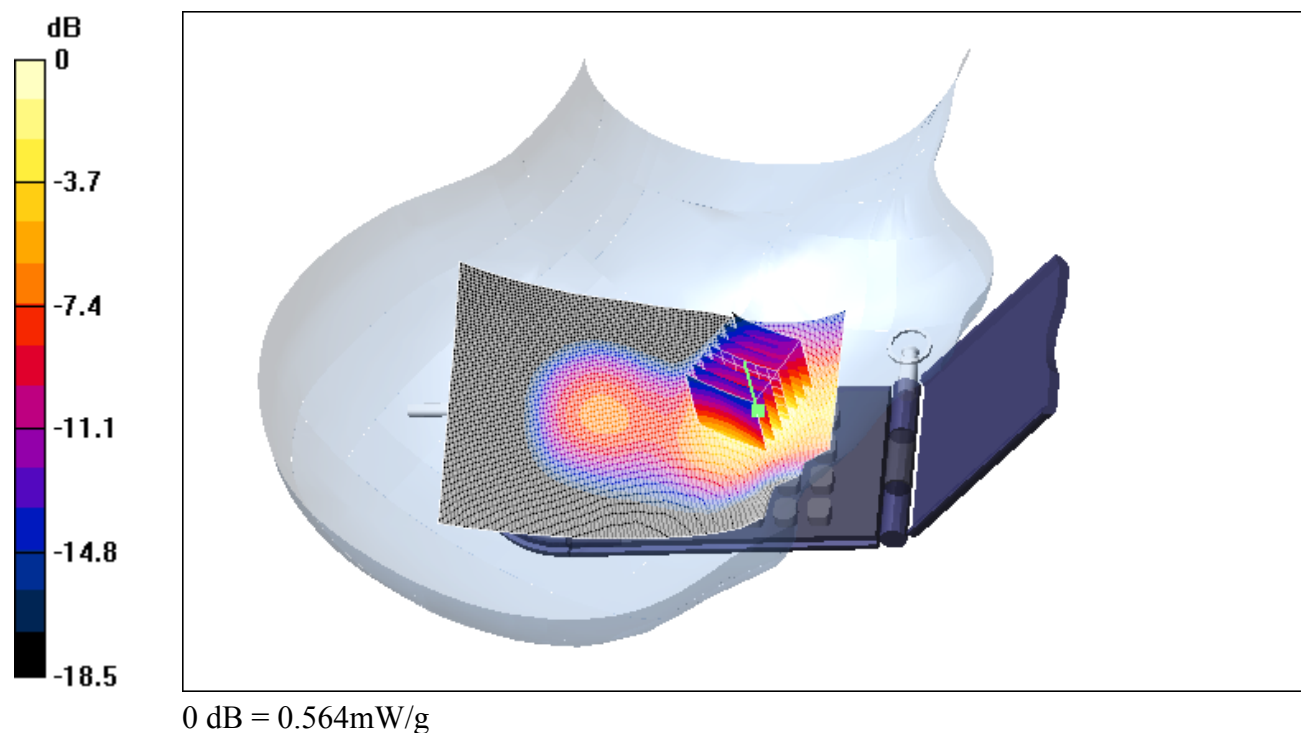
Peak SAR (extrapolated) = 0.809 W/kg

SAR(1 g) = 0.511 mW/g; SAR(10 g) = 0.284 mW/g

Reference Value = 7.15 V/m

Power Drift = 0.04 dB

Maximum value of SAR = 0.564 mW/g



Date/Time: 08/26/03 21:47:33

Test Laboratory: ELECTRONIC TECHNOLOGY SYSTEMS DR. GENZ GMBH

File Name: [1900_right_ch512_tilted.da4](#)**1900_right_ch512_tilted****DUT: Dual Band GSM900 (EGSM) / PCS1900 (with WAP & GPRS); Type: -; Serial: G510
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

G510/Area Scan (101x141x1): Measurement grid: dx=10mm, dy=10mm

Reference Value = 9.1 V/m

Power Drift = 0.02 dB

Maximum value of SAR = 0.199 mW/g

G510/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

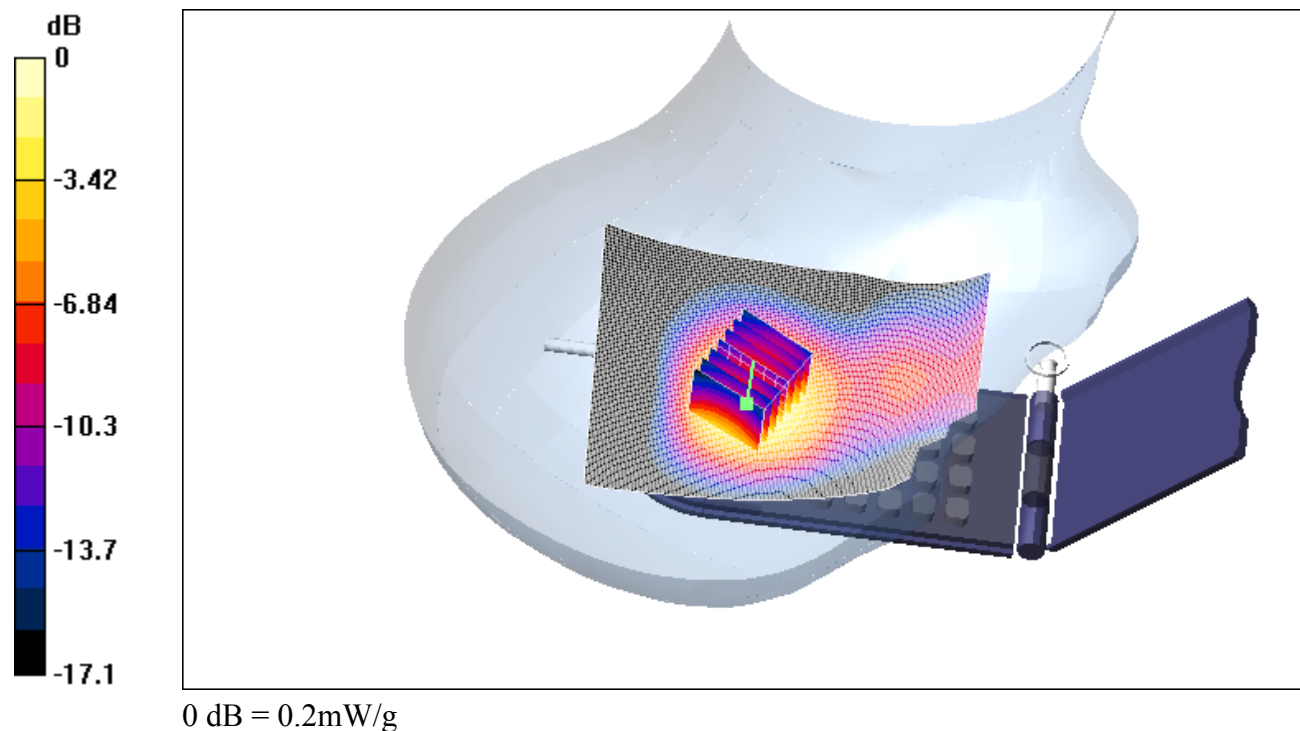
Peak SAR (extrapolated) = 0.274 W/kg

SAR(1 g) = 0.182 mW/g; SAR(10 g) = 0.107 mW/g

Reference Value = 9.1 V/m

Power Drift = 0.02 dB

Maximum value of SAR = 0.2 mW/g



Date/Time: 08/27/03 16:47:38

Test Laboratory: ELECTRONIC TECHNOLOGY SYSTEMS DR. GENZ GMBH

File Name: [1900_right_ch661_cheek.da4](#)**1900_right_ch661_cheek****DUT: Dual Band GSM900 (EGSM) / PCS1900 (with WAP & GPRS); Type: -; Serial: G510**
Program: PCS 1900

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

Medium: Head 1900 MHz ($\sigma = 1.39732$ mho/m, $\epsilon_r = 39.9416$, $\rho = 1000$ 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

G510/Area Scan (101x141x1): Measurement grid: dx=10mm, dy=10mm

Reference Value = 9.72 V/m

Power Drift = 0.003 dB

Maximum value of SAR = 1.05 mW/g

G510/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

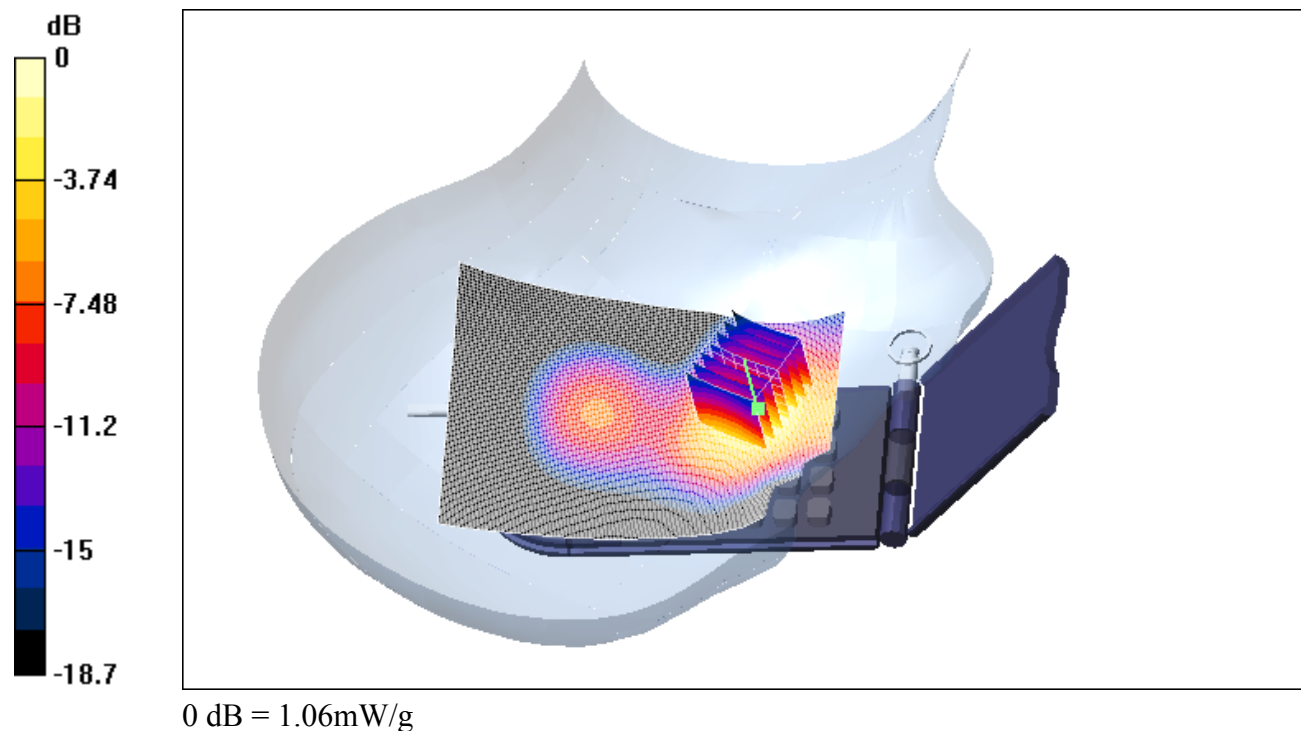
Peak SAR (extrapolated) = 1.52 W/kg

SAR(1 g) = 0.958 mW/g; SAR(10 g) = 0.524 mW/g

Reference Value = 9.72 V/m

Power Drift = 0.003 dB

Maximum value of SAR = 1.06 mW/g



Date/Time: 08/26/03 21:10:13

Test Laboratory: ELECTRONIC TECHNOLOGY SYSTEMS DR. GENZ GMBH

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

DUT: Dual Band GSM900 (EGSM) / PCS1900 (with WAP & GPRS); Type: -; Serial: G510
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

G510/Area Scan (101x141x1): Measurement grid: dx=10mm, dy=10mm

Reference Value = 10.2 V/m

Power Drift = -0.03 dB

Maximum value of SAR = 0.248 mW/g

G510/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

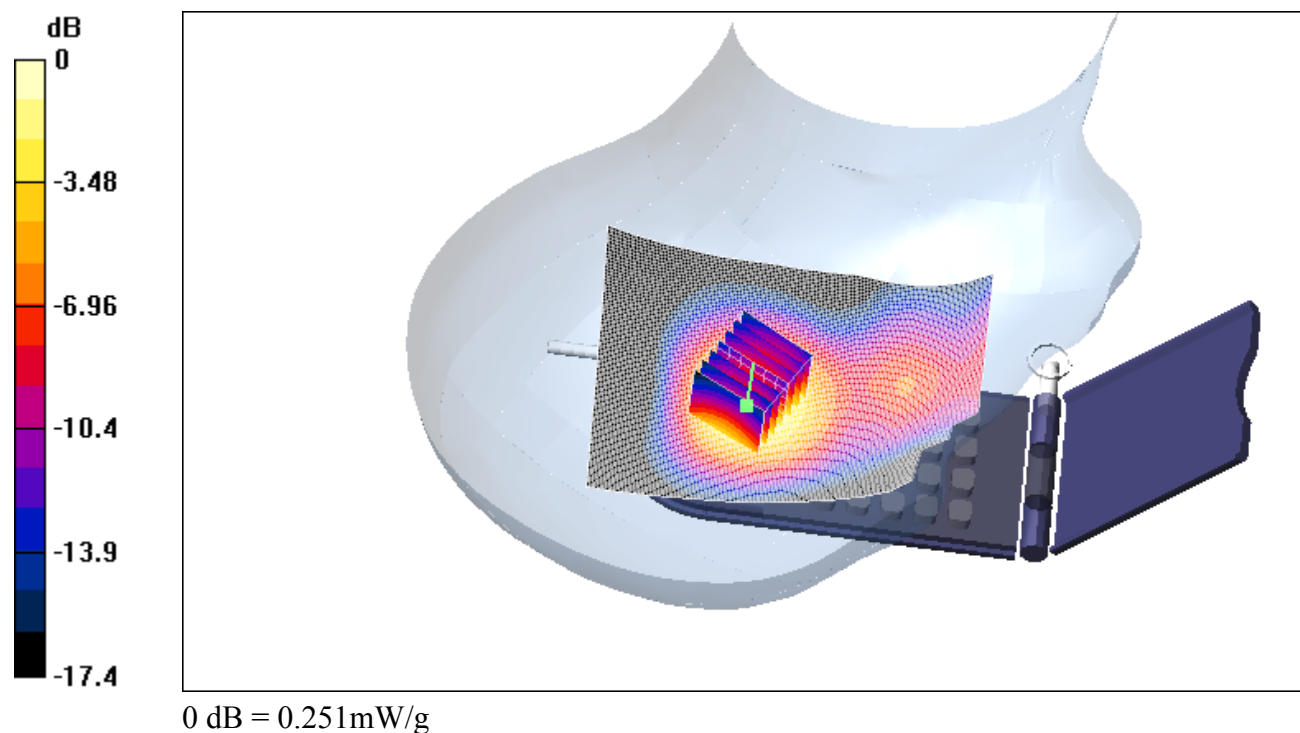
Peak SAR (extrapolated) = 0.344 W/kg

SAR(1 g) = 0.227 mW/g; SAR(10 g) = 0.132 mW/g

Reference Value = 10.2 V/m

Power Drift = -0.03 dB

Maximum value of SAR = 0.251 mW/g



Date/Time: 08/27/03 16:07:03

Test Laboratory: ELECTRONIC TECHNOLOGY SYSTEMS DR. GENZ GMBH

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

DUT: Dual Band GSM900 (EGSM) / PCS1900 (with WAP & GPRS); Type: -; Serial: G510
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

G510/Area Scan (101x141x1): Measurement grid: dx=10mm, dy=10mm

Reference Value = 8.3 V/m

Power Drift = -0.002 dB

Maximum value of SAR = 0.779 mW/g

G510/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

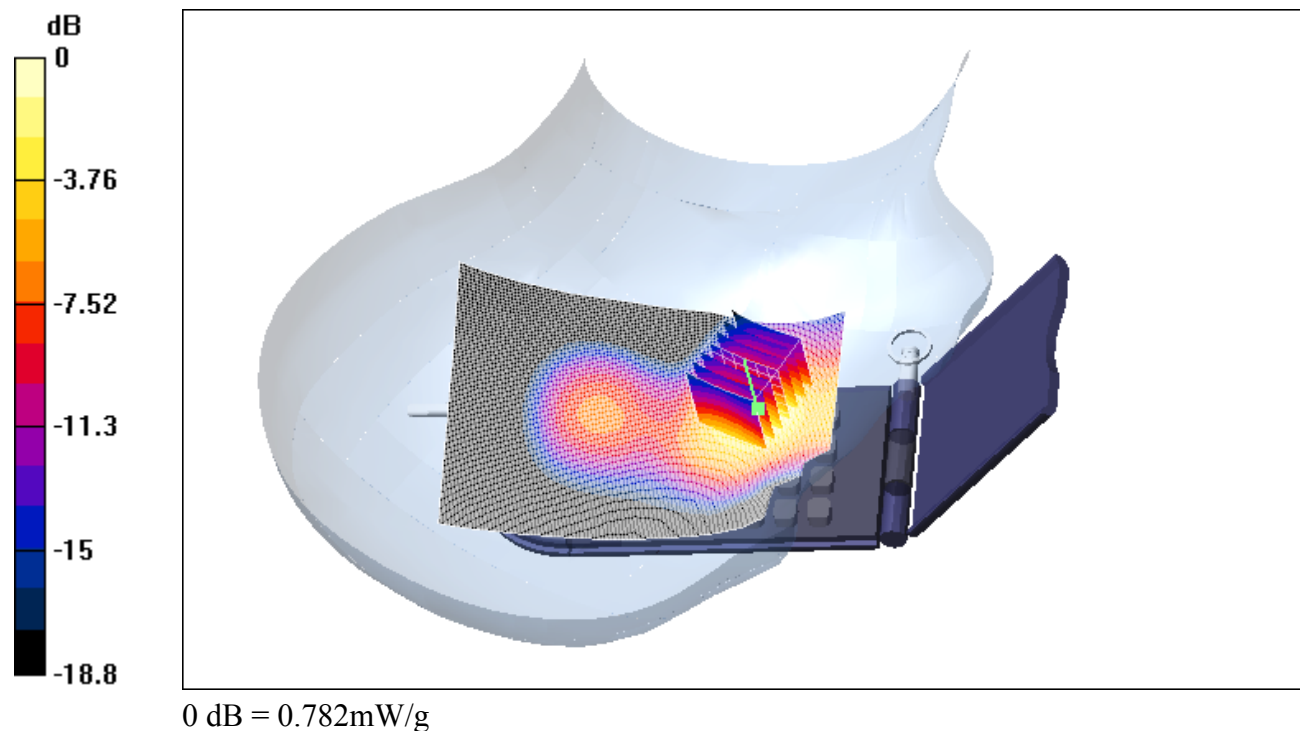
Peak SAR (extrapolated) = 1.14 W/kg

SAR(1 g) = 0.712 mW/g; SAR(10 g) = 0.392 mW/g

Reference Value = 8.3 V/m

Power Drift = -0.002 dB

Maximum value of SAR = 0.782 mW/g



Date/Time: 08/27/03 14:47:02

Test Laboratory: ELECTRONIC TECHNOLOGY SYSTEMS DR. GENZ GMBH

File Name: [1900_right_ch810_tilted.da4](#)**1900_right_ch810_tilted****DUT: Dual Band GSM900 (EGSM) / PCS1900 (with WAP & GPRS); Type: -; Serial: G510
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

G510/Area Scan (101x141x1): Measurement grid: dx=10mm, dy=10mm

Reference Value = 12.1 V/m

Power Drift = 0.002 dB

Maximum value of SAR = 0.336 mW/g

G510/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

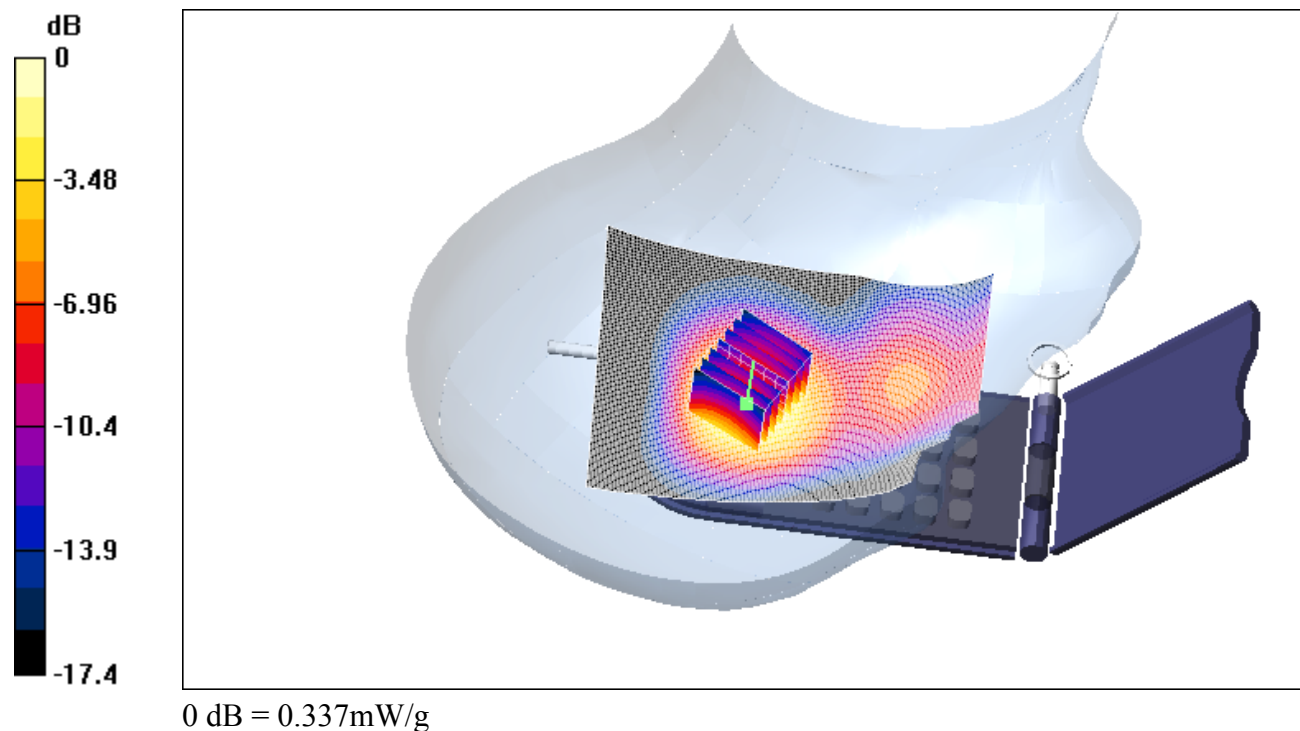
Peak SAR (extrapolated) = 0.468 W/kg

SAR(1 g) = 0.306 mW/g; SAR(10 g) = 0.177 mW/g

Reference Value = 12.1 V/m

Power Drift = 0.002 dB

Maximum value of SAR = 0.337 mW/g



Date/Time: 08/27/03 20:12:19

Test Laboratory: ELECTRONIC TECHNOLOGY SYSTEMS DR. GENZ GMBH

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

DUT: Dual Band GSM900 (EGSM) / PCS1900 (with WAP & GPRS); Type: -; Serial: G510
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: 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

G510/Area Scan (91x161x1): Measurement grid: dx=10mm, dy=10mm

Reference Value = 5.88 V/m

Power Drift = -0.009 dB

Maximum value of SAR = 0.604 mW/g

G510/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

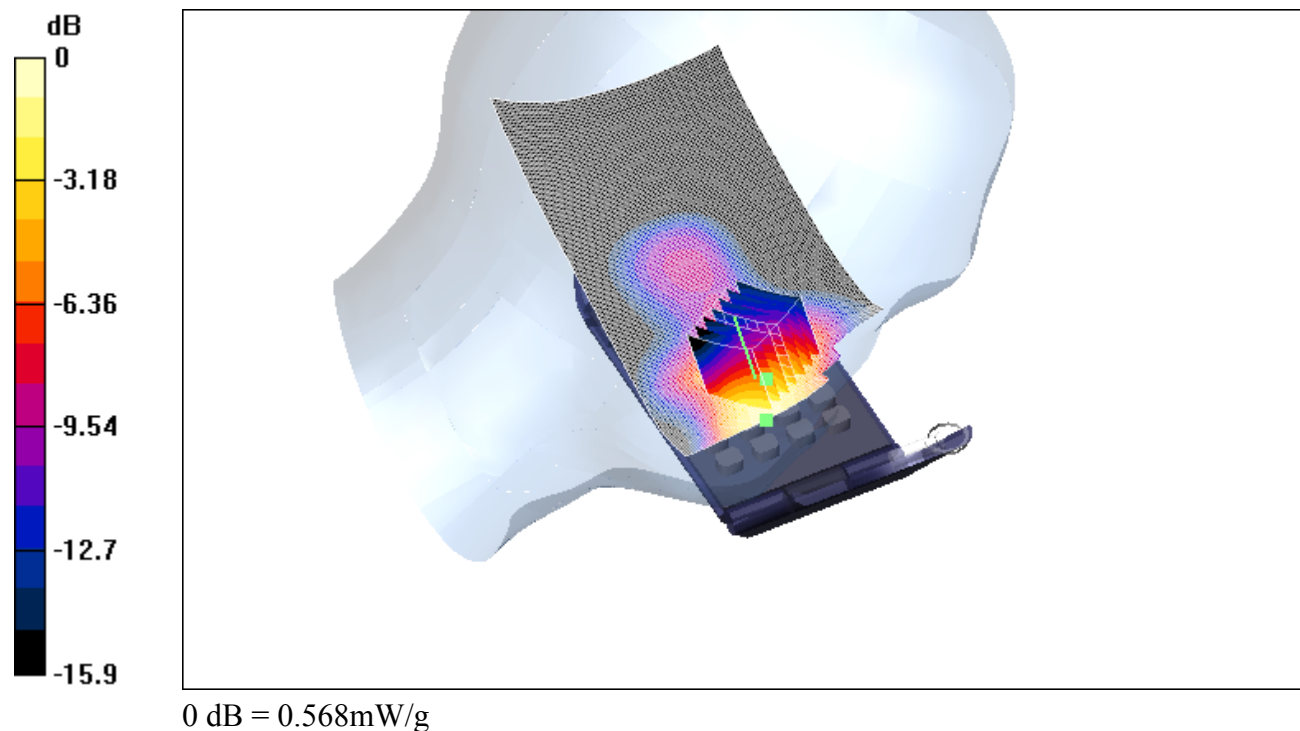
Peak SAR (extrapolated) = 0.94 W/kg

SAR(1 g) = 0.542 mW/g; SAR(10 g) = 0.293 mW/g

Reference Value = 5.88 V/m

Power Drift = -0.009 dB

Maximum value of SAR = 0.599 mW/g



Date/Time: 08/28/03 08:20:50

Test Laboratory: ELECTRONIC TECHNOLOGY SYSTEMS DR. GENZ GMBH

File Name: [1900_left_ch512_tilted.da4](#)**1900_left_ch512_tilted****DUT: Dual Band GSM900 (EGSM) / PCS1900 (with WAP & GPRS); Type: -; Serial: G510**
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

G510/Area Scan (91x161x1): Measurement grid: dx=10mm, dy=10mm

Reference Value = 10.4 V/m

Power Drift = -0.02 dB

Maximum value of SAR = 0.177 mW/g

G510/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

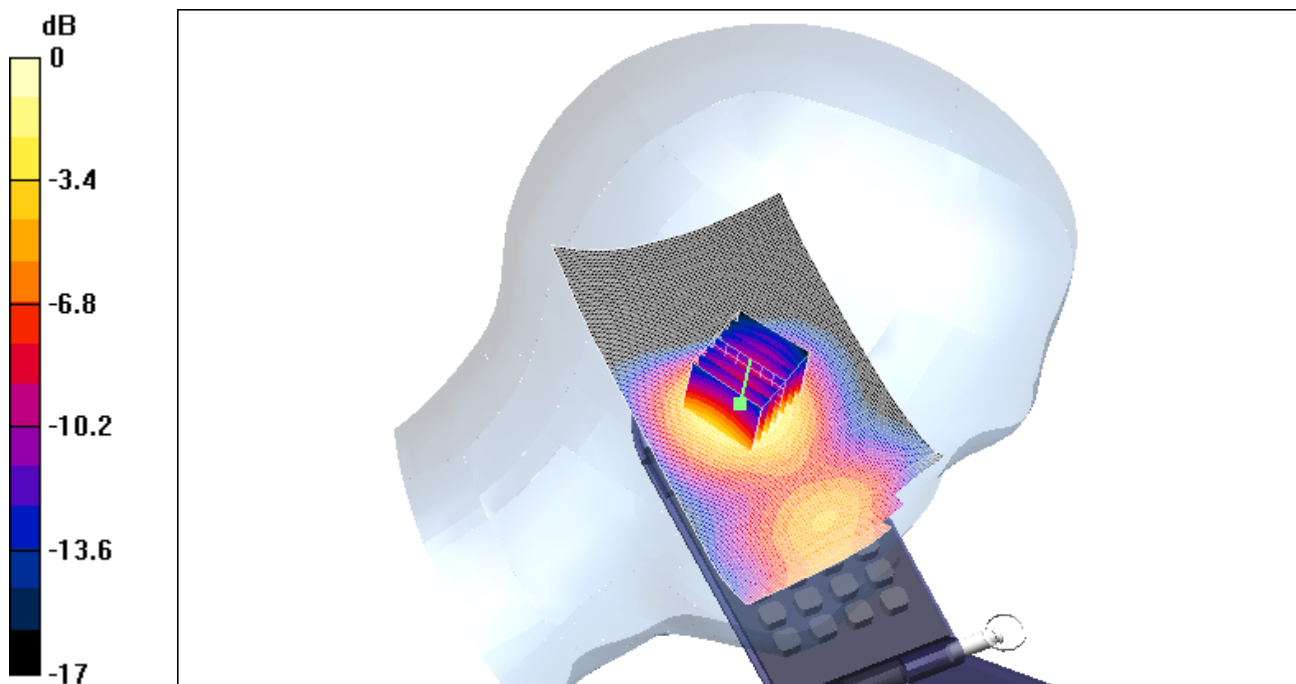
Peak SAR (extrapolated) = 0.244 W/kg

SAR(1 g) = 0.161 mW/g; SAR(10 g) = 0.0941 mW/g

Reference Value = 10.4 V/m

Power Drift = -0.02 dB

Maximum value of SAR = 0.175 mW/g



Date/Time: 08/27/03 19:15:21

Test Laboratory: ELECTRONIC TECHNOLOGY SYSTEMS DR. GENZ GMBH

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

DUT: Dual Band GSM900 (EGSM) / PCS1900 (with WAP & GPRS); Type: -; Serial: G510
Program: PCS 1900

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

Medium: Head 1900 MHz ($\sigma = 1.39732$ mho/m, $\epsilon_r = 39.9416$, $\rho = 1000$ 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

G510/Area Scan (91x161x1): Measurement grid: dx=10mm, dy=10mm

Reference Value = 6.79 V/m

Power Drift = 0.02 dB

Maximum value of SAR = 0.817 mW/g

G510/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

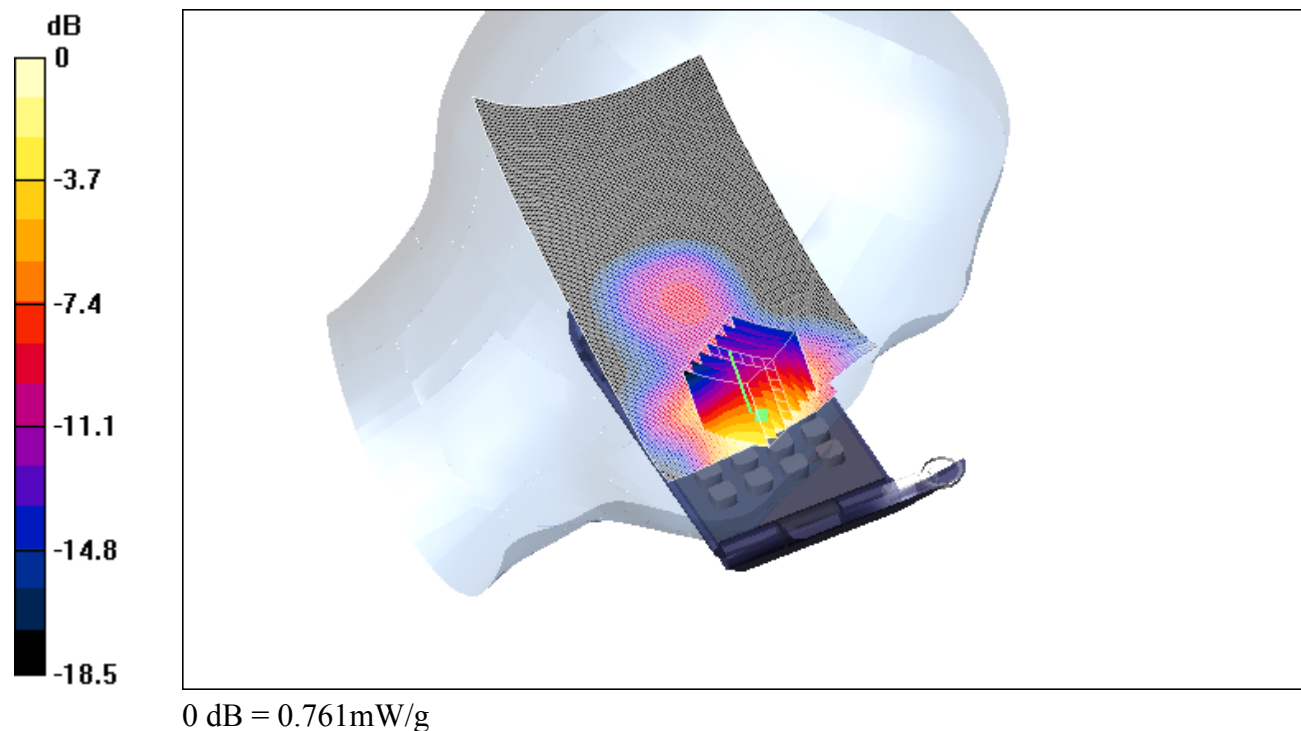
Peak SAR (extrapolated) = 1.18 W/kg

SAR(1 g) = 0.681 mW/g; SAR(10 g) = 0.363 mW/g

Reference Value = 6.79 V/m

Power Drift = 0.02 dB

Maximum value of SAR = 0.761 mW/g



Date/Time: 08/27/03 21:40:59

Test Laboratory: ELECTRONIC TECHNOLOGY SYSTEMS DR. GENZ GMBH

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

DUT: Dual Band GSM900 (EGSM) / PCS1900 (with WAP & GPRS); Type: -; Serial: G510
Program: PCS 1900

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

Medium: Head 1900 MHz ($\sigma = 1.39732$ mho/m, $\epsilon_r = 39.9416$, $\rho = 1000$ 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

G510/Area Scan (91x161x1): Measurement grid: dx=10mm, dy=10mm

Reference Value = 10.7 V/m

Power Drift = 0,01 dB

Maximum value of SAR = 0.251 mW/g

G510/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

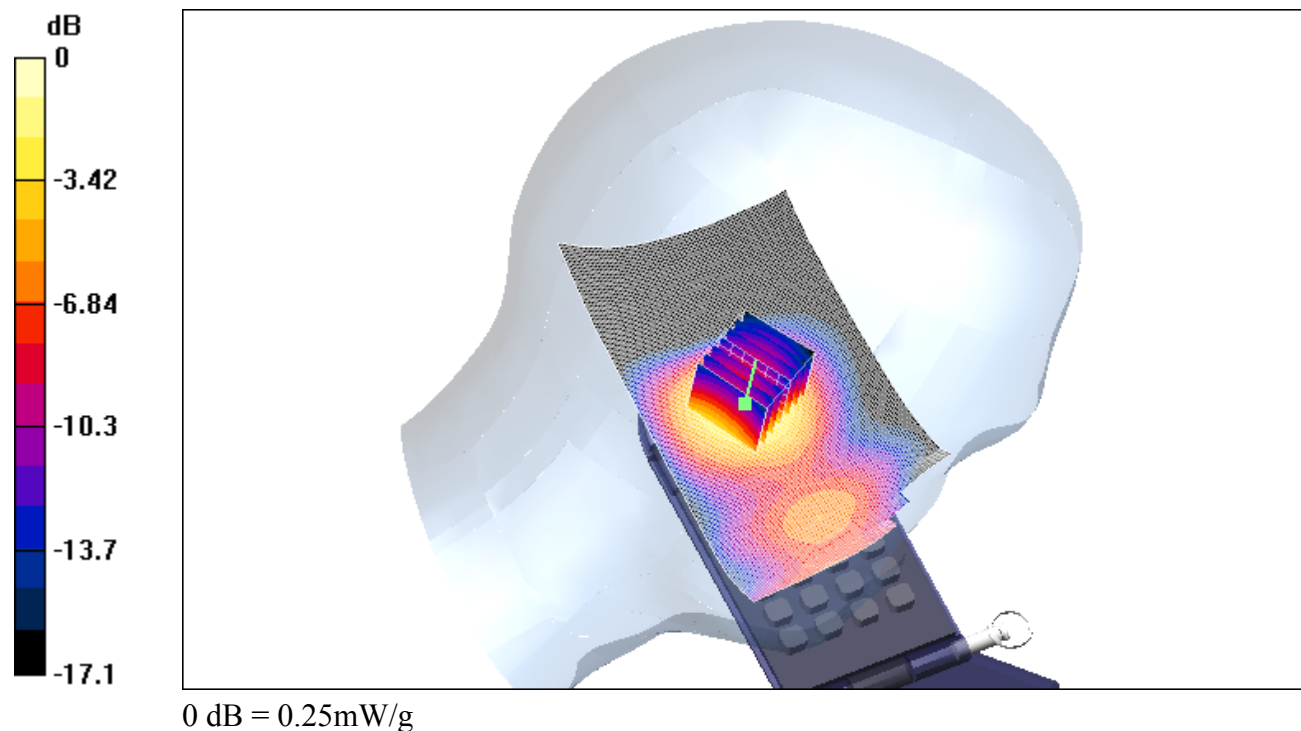
Peak SAR (extrapolated) = 0.445 W/kg

SAR(1 g) = 0.233 mW/g; SAR(10 g) = 0.133 mW/g

Reference Value = 10.7 V/m

Power Drift = 0,01 dB

Maximum value of SAR = 0.25 mW/g



Date/Time: 08/27/03 20:50:33

Test Laboratory: ELECTRONIC TECHNOLOGY SYSTEMS DR. GENZ GMBH

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

DUT: Dual Band GSM900 (EGSM) / PCS1900 (with WAP & GPRS); Type: -; Serial: G510
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

G510/Area Scan (91x161x1): Measurement grid: dx=10mm, dy=10mm

Reference Value = 8.07 V/m

Power Drift = -0.03 dB

Maximum value of SAR = 0.879 mW/g

G510/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

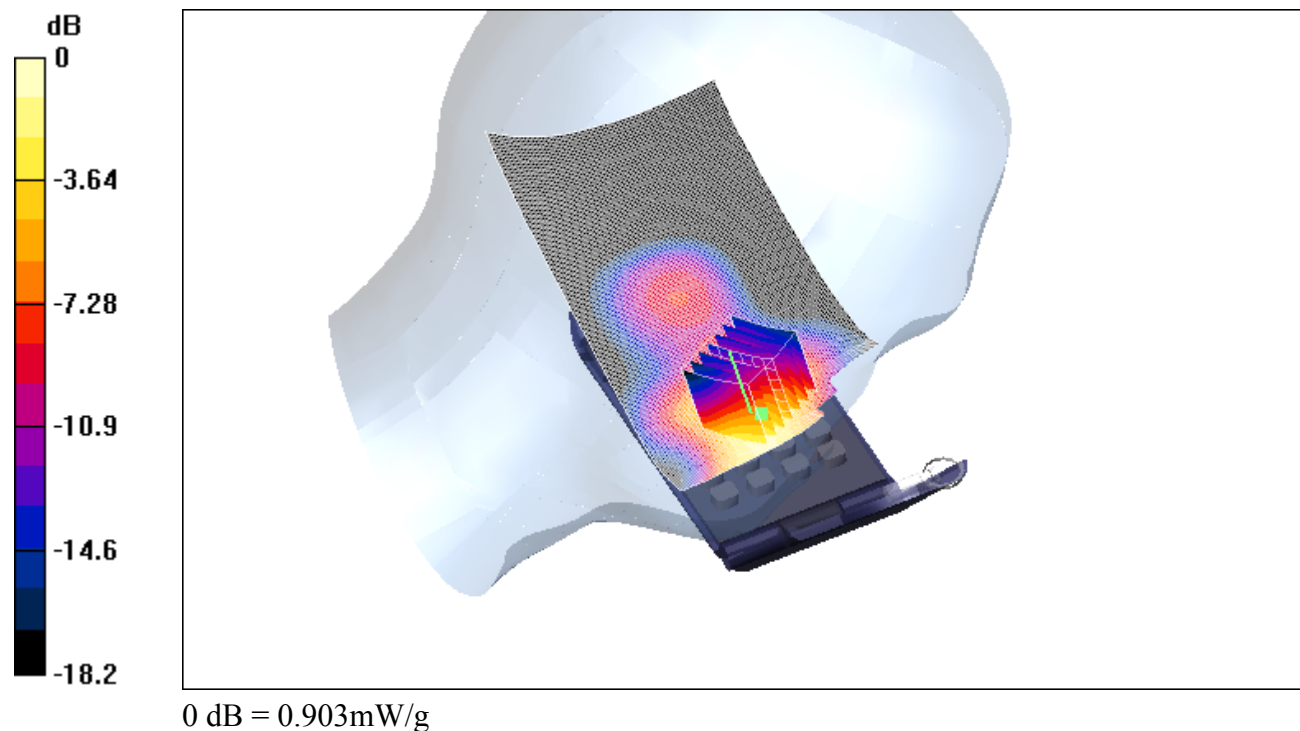
Peak SAR (extrapolated) = 1.4 W/kg

SAR(1 g) = 0.81 mW/g; SAR(10 g) = 0.434 mW/g

Reference Value = 8.07 V/m

Power Drift = -0.03 dB

Maximum value of SAR = 0.903 mW/g



Date/Time: 08/28/03 08:58:41

Test Laboratory: ELECTRONIC TECHNOLOGY SYSTEMS DR. GENZ GMBH

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

DUT: Dual Band GSM900 (EGSM) / PCS1900 (with WAP & GPRS); Type: -; Serial: G510
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

G510/Area Scan (91x161x1): Measurement grid: dx=10mm, dy=10mm

Reference Value = 11.8 V/m

Power Drift = -0.006 dB

Maximum value of SAR = 0.222 mW/g

G510/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

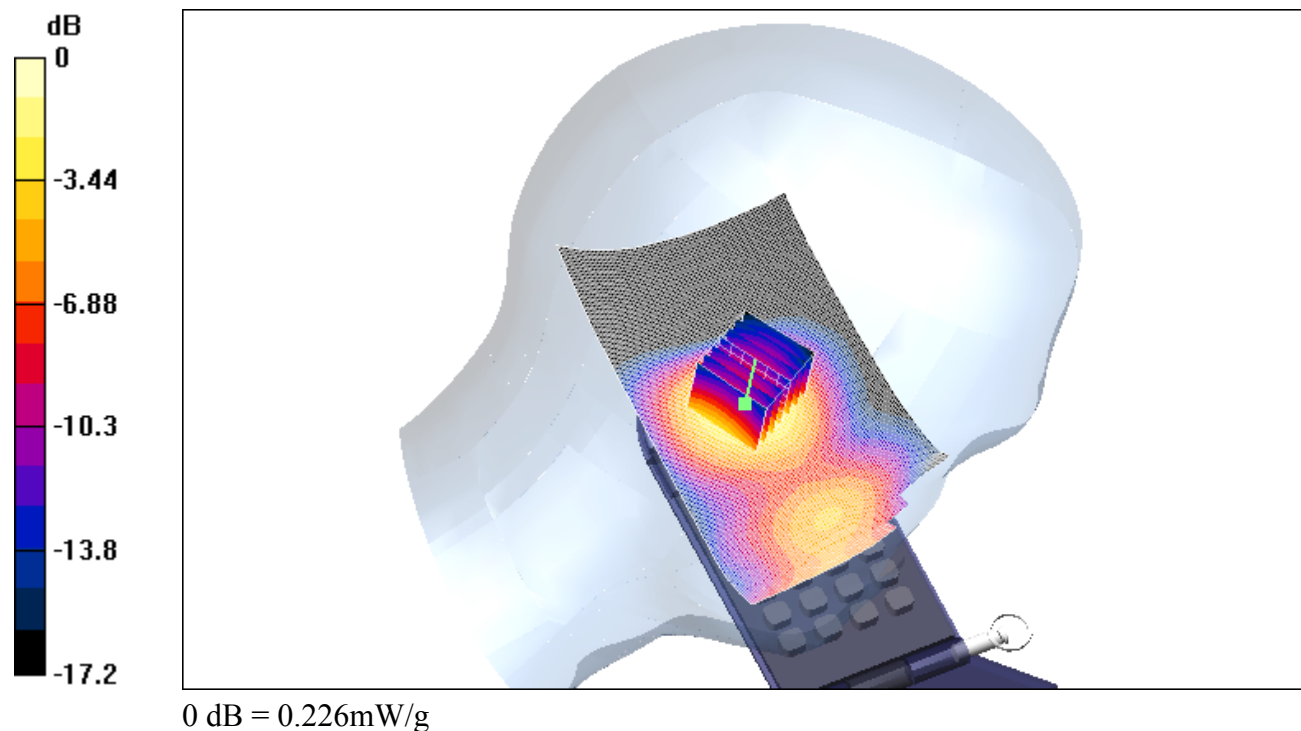
Peak SAR (extrapolated) = 0.321 W/kg

SAR(1 g) = 0.209 mW/g; SAR(10 g) = 0.12 mW/g

Reference Value = 11.8 V/m

Power Drift = -0.006 dB

Maximum value of SAR = 0.226 mW/g



Date/Time: 08/28/03 13:39:44

Test Laboratory: ELECTRONIC TECHNOLOGY SYSTEMS DR. GENZ GMBH

File Name: [1900_flat_ch512_front.da4](#)**1900_flat_ch512_front****DUT: Dual Band GSM900 (EGSM) / PCS1900 (with WAP & GPRS); Type: -; Serial: G510**
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

G510/Area Scan (111x71x1): Measurement grid: dx=10mm, dy=10mm

Reference Value = 6.84 V/m

Power Drift = -0.01 dB

Maximum value of SAR = 0.104 mW/g

G510/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

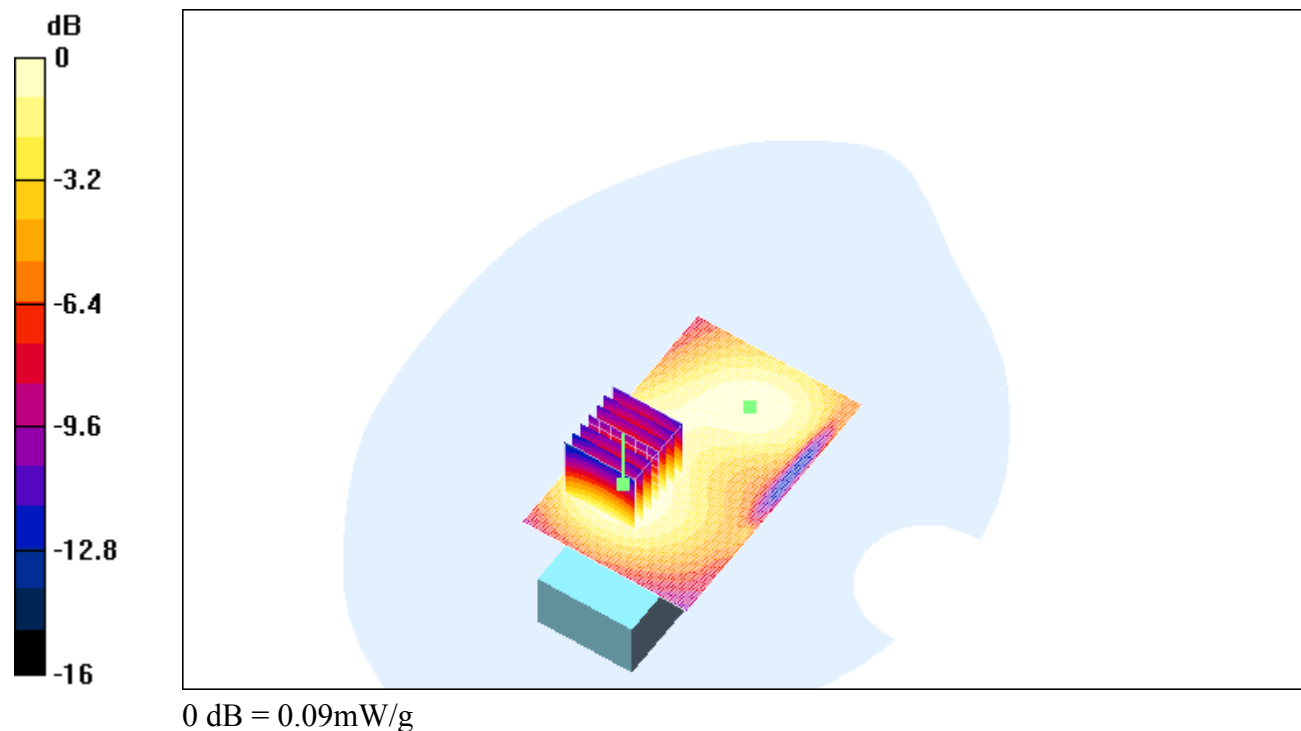
Peak SAR (extrapolated) = 0.152 W/kg

SAR(1 g) = 0.0986 mW/g; SAR(10 g) = 0.0623 mW/g

Reference Value = 6.84 V/m

Power Drift = -0.01 dB

Maximum value of SAR = 0.105 mW/g



Date/Time: 08/28/03 10:44:01

Test Laboratory: ELECTRONIC TECHNOLOGY SYSTEMS DR. GENZ GMBH

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

DUT: Dual Band GSM900 (EGSM) / PCS1900 (with WAP & GPRS); Type: -; Serial: G510
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

G510/Area Scan (111x61x1): Measurement grid: dx=10mm, dy=10mm

Reference Value = 8.29 V/m

Power Drift = -0.02 dB

Maximum value of SAR = 0.206 mW/g

G510/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

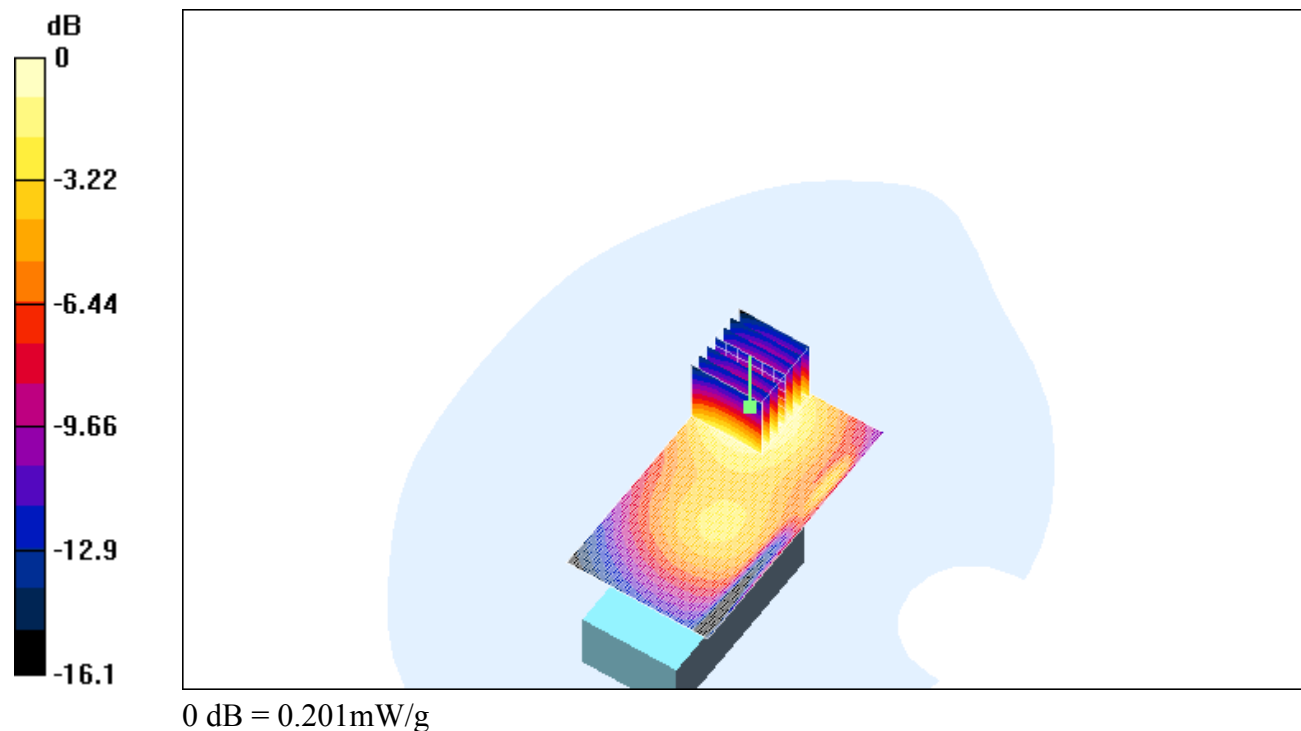
Peak SAR (extrapolated) = 0.306 W/kg

SAR(1 g) = 0.188 mW/g; SAR(10 g) = 0.111 mW/g

Reference Value = 8.29 V/m

Power Drift = -0.02 dB

Maximum value of SAR = 0.201 mW/g



Date/Time: 08/28/03 12:28:56

Test Laboratory: ELECTRONIC TECHNOLOGY SYSTEMS DR. GENZ GMBH

File Name: [1900_flat_ch661_front.da4](#)**1900_flat_ch661_front****DUT: Dual Band GSM900 (EGSM) / PCS1900 (with WAP & GPRS); Type: -; Serial: G510**
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

G510/Area Scan (111x61x1): Measurement grid: dx=10mm, dy=10mm

Reference Value = 7.77 V/m

Power Drift = 0.002 dB

Maximum value of SAR = 0.115 mW/g

G510/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

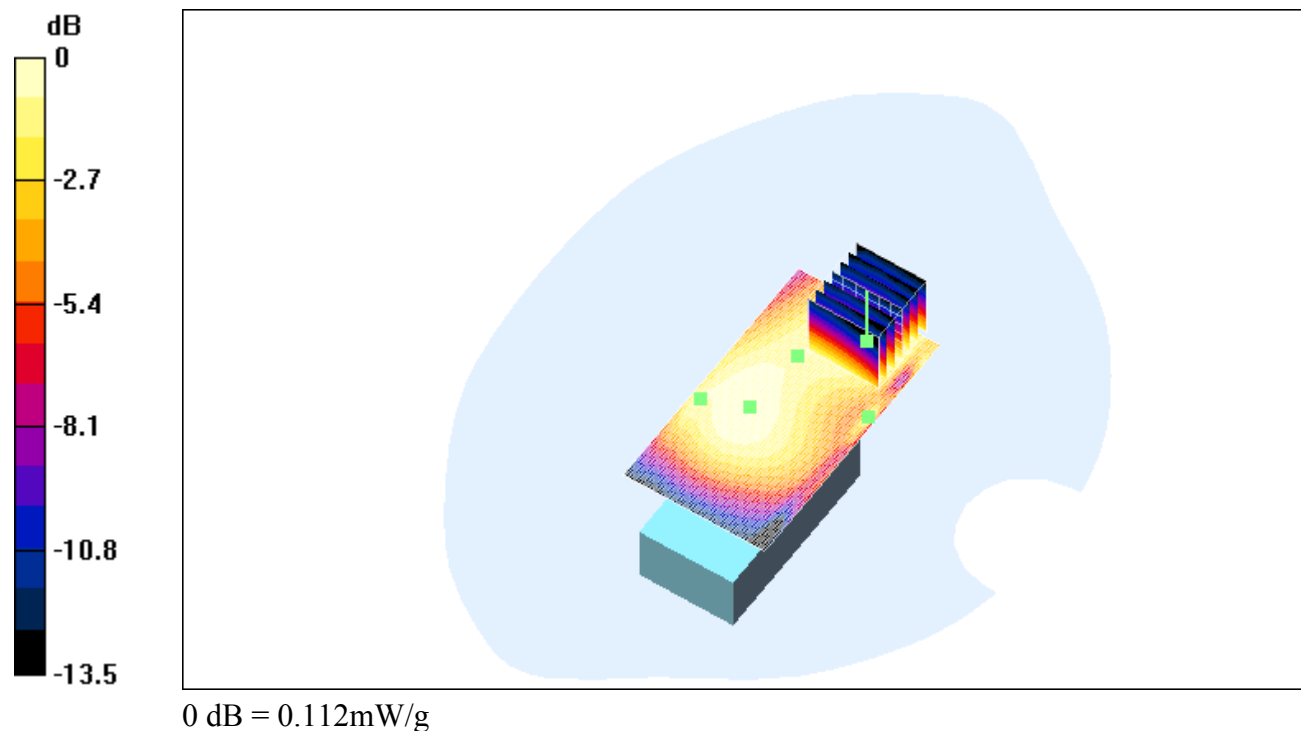
Peak SAR (extrapolated) = 0.186 W/kg

SAR(1 g) = 0.108 mW/g; SAR(10 g) = 0.0644 mW/g

Reference Value = 7.77 V/m

Power Drift = 0.002 dB

Maximum value of SAR = 0.118 mW/g



Date/Time: 08/28/03 10:15:49

Test Laboratory: ELECTRONIC TECHNOLOGY SYSTEMS DR. GENZ GMBH

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

DUT: Dual Band GSM900 (EGSM) / PCS1900 (with WAP & GPRS); Type: -; Serial: G510
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

G510/Area Scan (111x61x1): Measurement grid: dx=10mm, dy=10mm

Reference Value = 10.1 V/m

Power Drift = -0.07 dB

Maximum value of SAR = 0.302 mW/g

G510/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

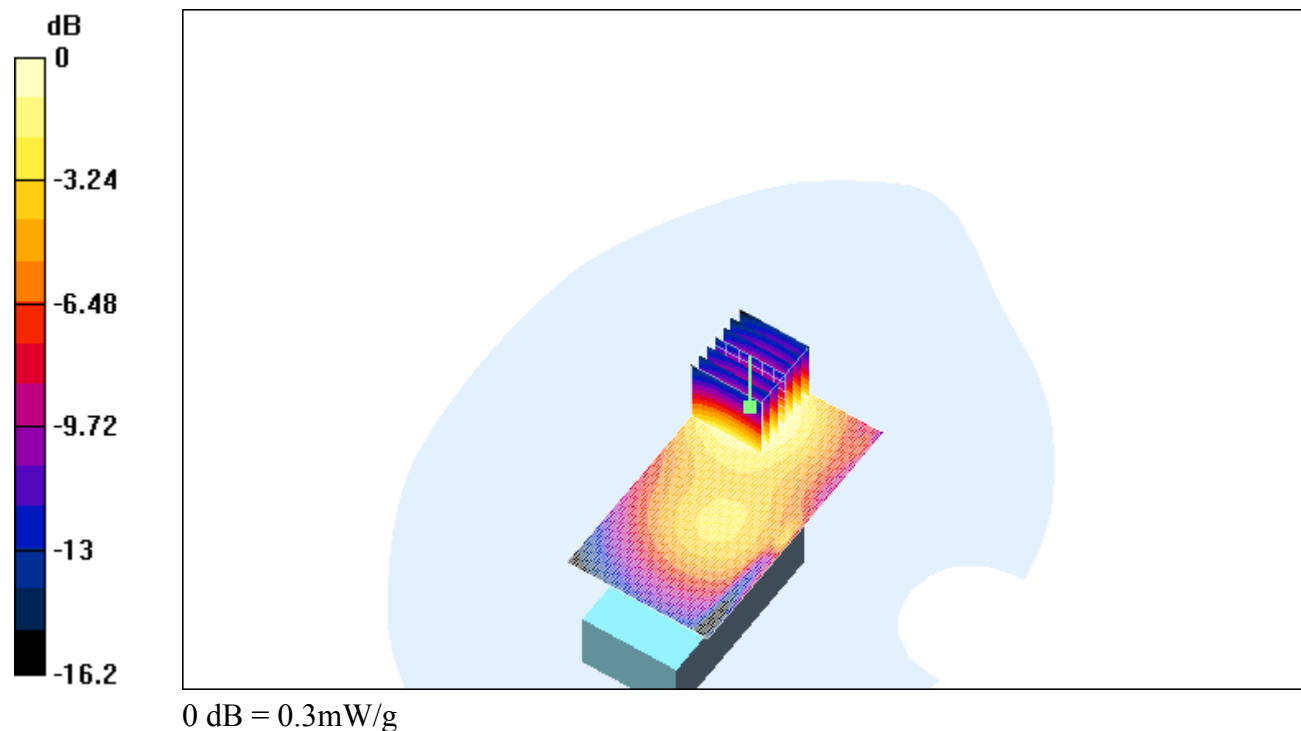
Peak SAR (extrapolated) = 0.47 W/kg

SAR(1 g) = 0.281 mW/g; SAR(10 g) = 0.164 mW/g

Reference Value = 10.1 V/m

Power Drift = -0.07 dB

Maximum value of SAR = 0.3 mW/g



Date/Time: 08/28/03 14:24:39

Test Laboratory: ELECTRONIC TECHNOLOGY SYSTEMS DR. GENZ GMBH

File Name: [1900_flat_ch810_front.da4](#)**1900_flat_ch810_front****DUT: Dual Band GSM900 (EGSM) / PCS1900 (with WAP & GPRS); Type: -; Serial: G510**
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

G510/Area Scan (111x71x1): Measurement grid: dx=10mm, dy=10mm

Reference Value = 6.87 V/m

Power Drift = -0.002 dB

Maximum value of SAR = 0.127 mW/g

G510/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

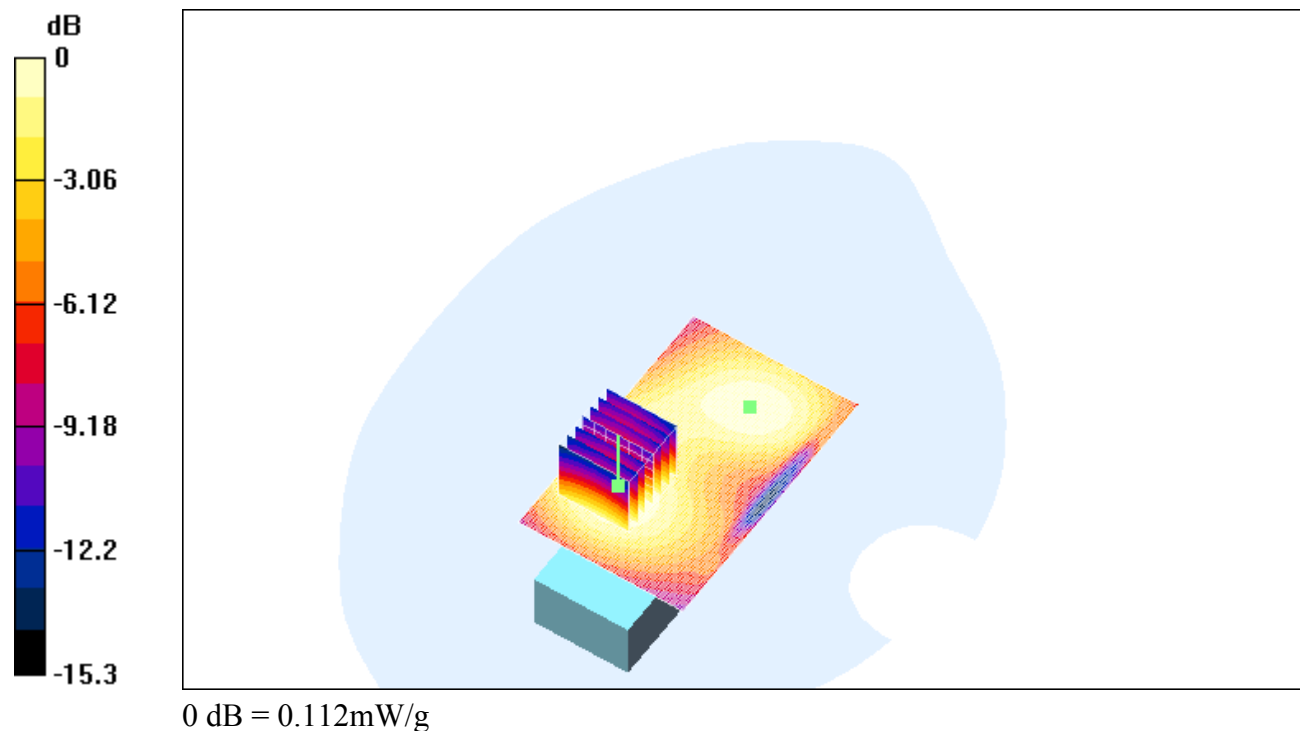
Peak SAR (extrapolated) = 0.186 W/kg

SAR(1 g) = 0.12 mW/g; SAR(10 g) = 0.0745 mW/g

Reference Value = 6.87 V/m

Power Drift = -0.002 dB

Maximum value of SAR = 0.127 mW/g



Date/Time: 08/28/03 11:11:18

Test Laboratory: ELECTRONIC TECHNOLOGY SYSTEMS DR. GENZ GMBH

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

DUT: Dual Band GSM900 (EGSM) / PCS1900 (with WAP & GPRS); Type: -; Serial: G510
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

G510/Area Scan (111x61x1): Measurement grid: dx=10mm, dy=10mm

Reference Value = 11 V/m

Power Drift = -0.03 dB

Maximum value of SAR = 0.384 mW/g

G510/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

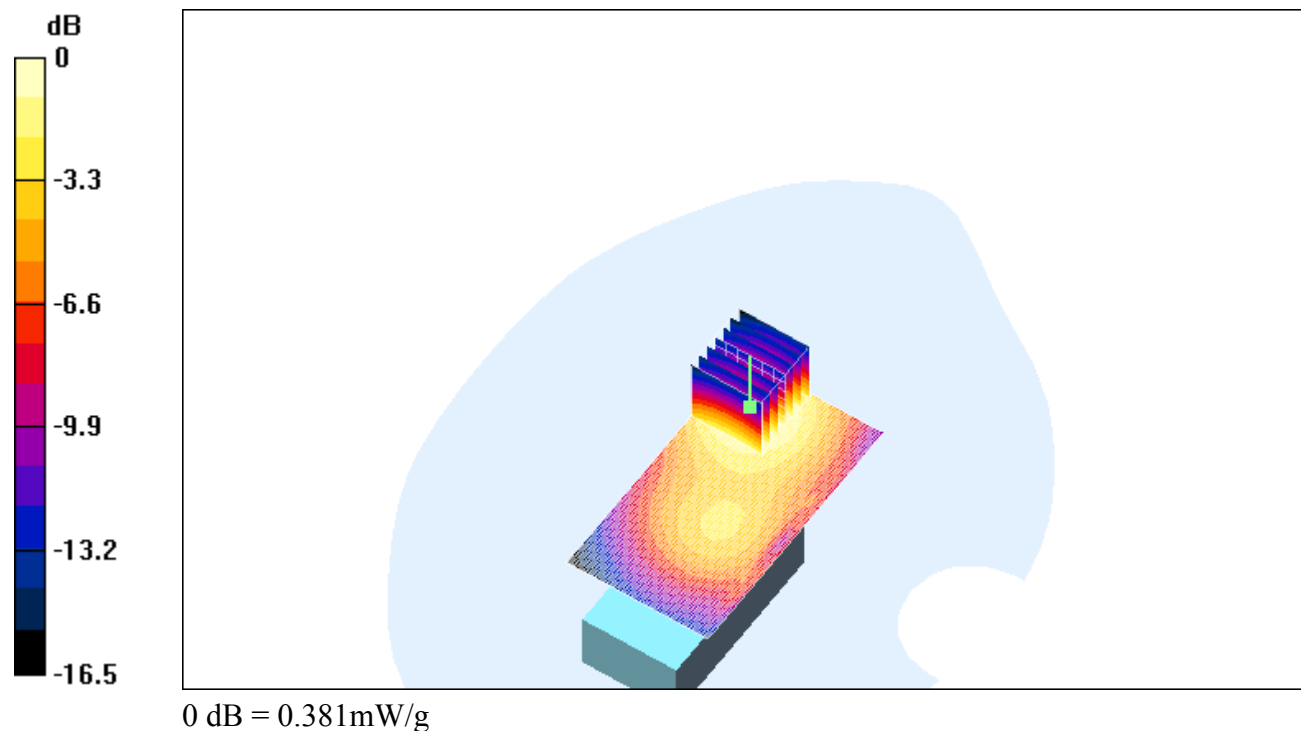
Peak SAR (extrapolated) = 0.597 W/kg

SAR(1 g) = 0.355 mW/g; SAR(10 g) = 0.207 mW/g

Reference Value = 11 V/m

Power Drift = -0.03 dB

Maximum value of SAR = 0.381 mW/g



Date/Time: 08/27/03 16:47:38

Test Laboratory: ELECTRONIC TECHNOLOGY SYSTEMS DR. GENZ GMBH

File Name: [1900_right_ch661_cheek.da4](#)**1900_right_ch661_cheek Z-axis scan****DUT: Dual Band GSM900 (EGSM) / PCS1900 (with WAP & GPRS); Type: -; Serial: G510
Program: PCS 1900**

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

Medium: Head 1900 MHz ($\sigma = 1.39732$ mho/m, $\epsilon_r = 39.9416$, $\rho = 1000$ 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)
Sensor-Surface: 0mm (Fix Surface)
- 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

G510/Area Scan (101x141x1): Measurement grid: dx=10mm, dy=10mm

Reference Value = 9.72 V/m

Power Drift = 0.003 dB

Maximum value of SAR = 1.05 mW/g

G510/Z Scan (1x1x13): Measurement grid: dx=20mm, dy=20mm, dz=4mm

Reference Value = 9.72 V/m

Power Drift = 0.003 dB

Maximum value of SAR = 0.0943 mW/g

