

Appendix B

Measurement Plots

Date/Time: 08/25/03 15:49:55

Test Laboratory: ELECTRONIC TECHNOLOGY SYSTEMS DR. GENZ GMBH

File Name: [Dipol Valid.1900\(h\)_25.08.03.da4](#)**Dipol Valid.1900(h)_25.08.03****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 = 40.7 V/m

Power Drift = -0.03 dB

Maximum value of SAR = 2.15 mW/g

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

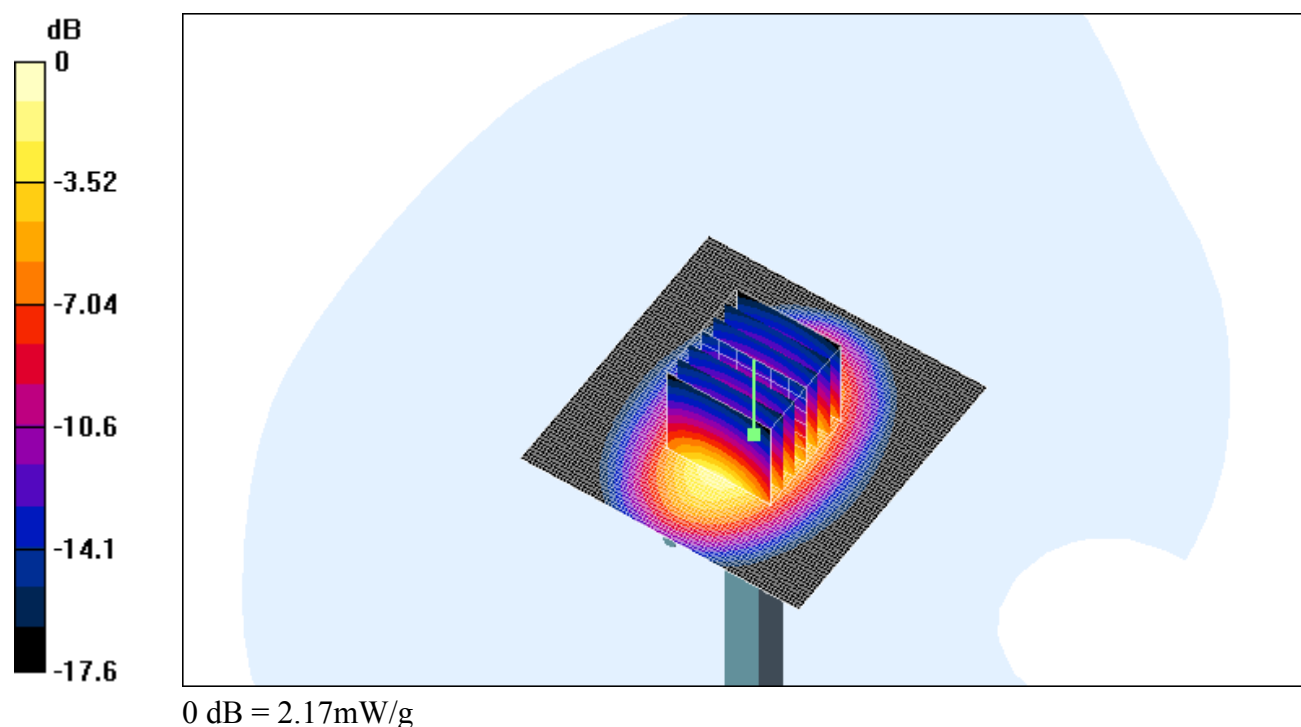
Peak SAR (extrapolated) = 3.48 W/kg

SAR(1 g) = 2.05 mW/g; SAR(10 g) = 1.081 mW/g

Reference Value = 40.7 V/m

Power Drift = -0.03 dB

Maximum value of SAR = 2.17 mW/g



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

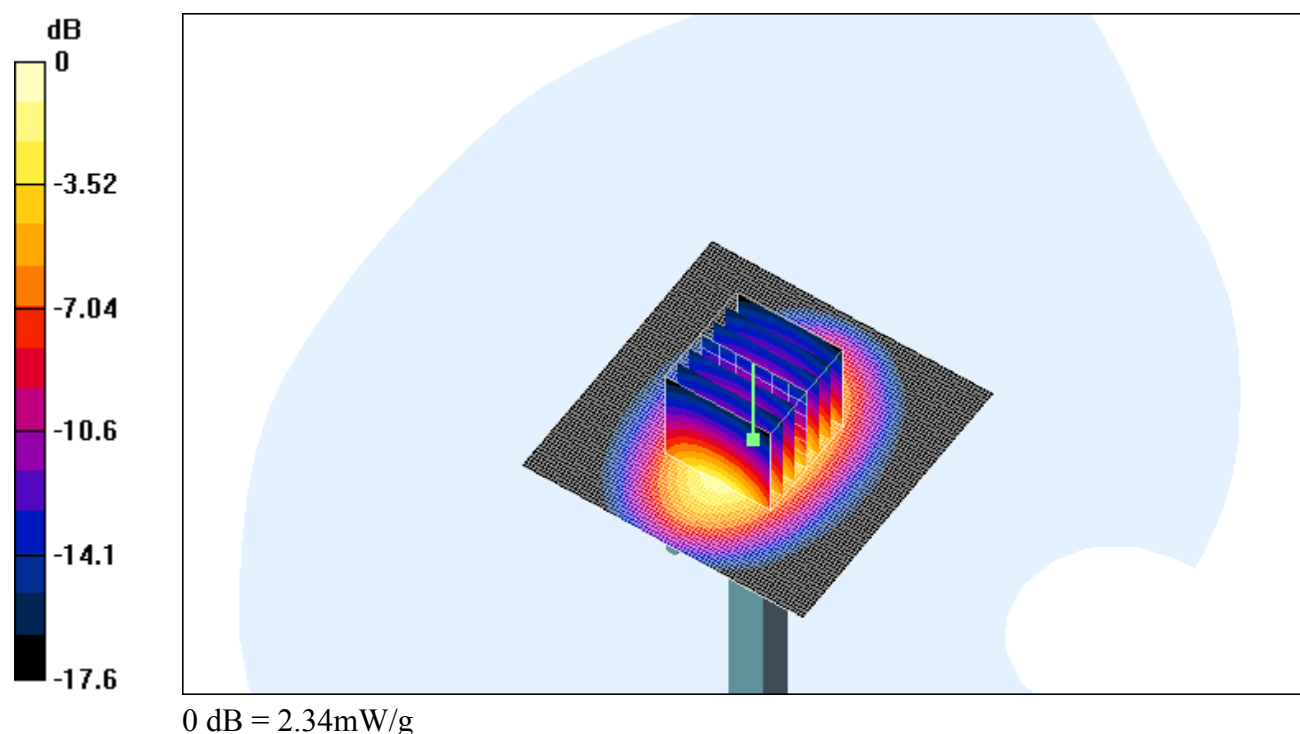
Peak SAR (extrapolated) = 3.81 W/kg

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: 08/28/03 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

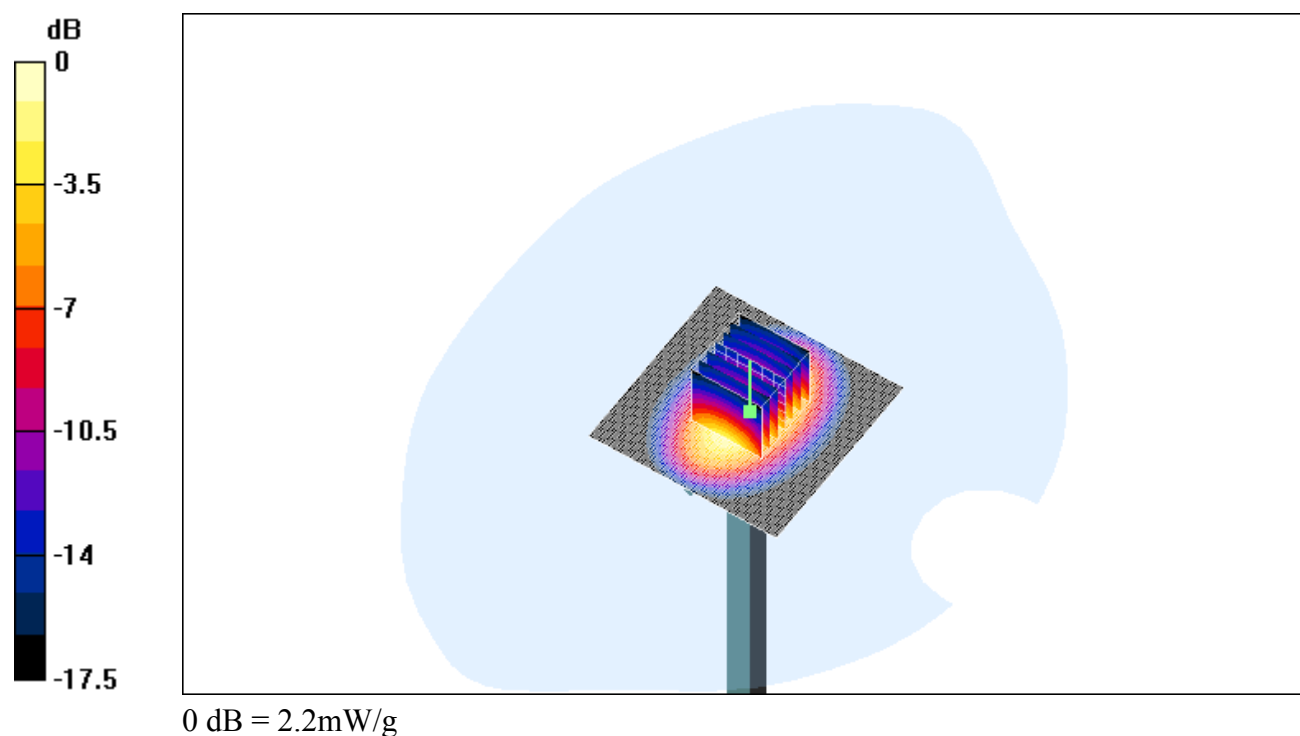
Peak SAR (extrapolated) = 3.53 W/kg

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: 08/26/03 17:26:18

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: G310**
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

G310/Area Scan (101x141x1): Measurement grid: dx=10mm, dy=10mm

Reference Value = 4.97 V/m

Power Drift = -0.03 dB

Maximum value of SAR = 1.1 mW/g

G310/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

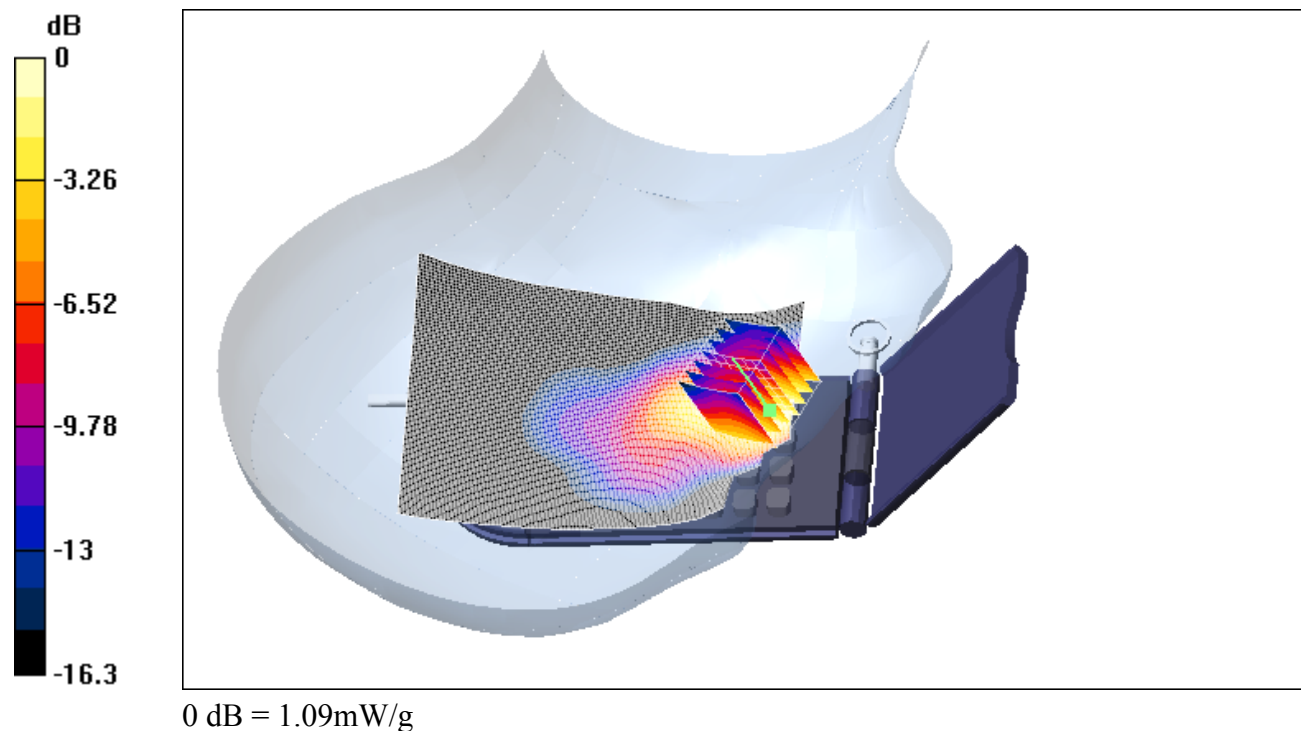
Peak SAR (extrapolated) = 1.45 W/kg

SAR(1 g) = 1 mW/g; SAR(10 g) = 0.617 mW/g

Reference Value = 4.97 V/m

Power Drift = -0.03 dB

Maximum value of SAR = 1.09 mW/g



Date/Time: 08/26/03 20:17:45

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: G310
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

G310/Area Scan (101x141x1): Measurement grid: dx=10mm, dy=10mm

Reference Value = 7.81 V/m

Power Drift = -0.02 dB

Maximum value of SAR = 0.178 mW/g

G310/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

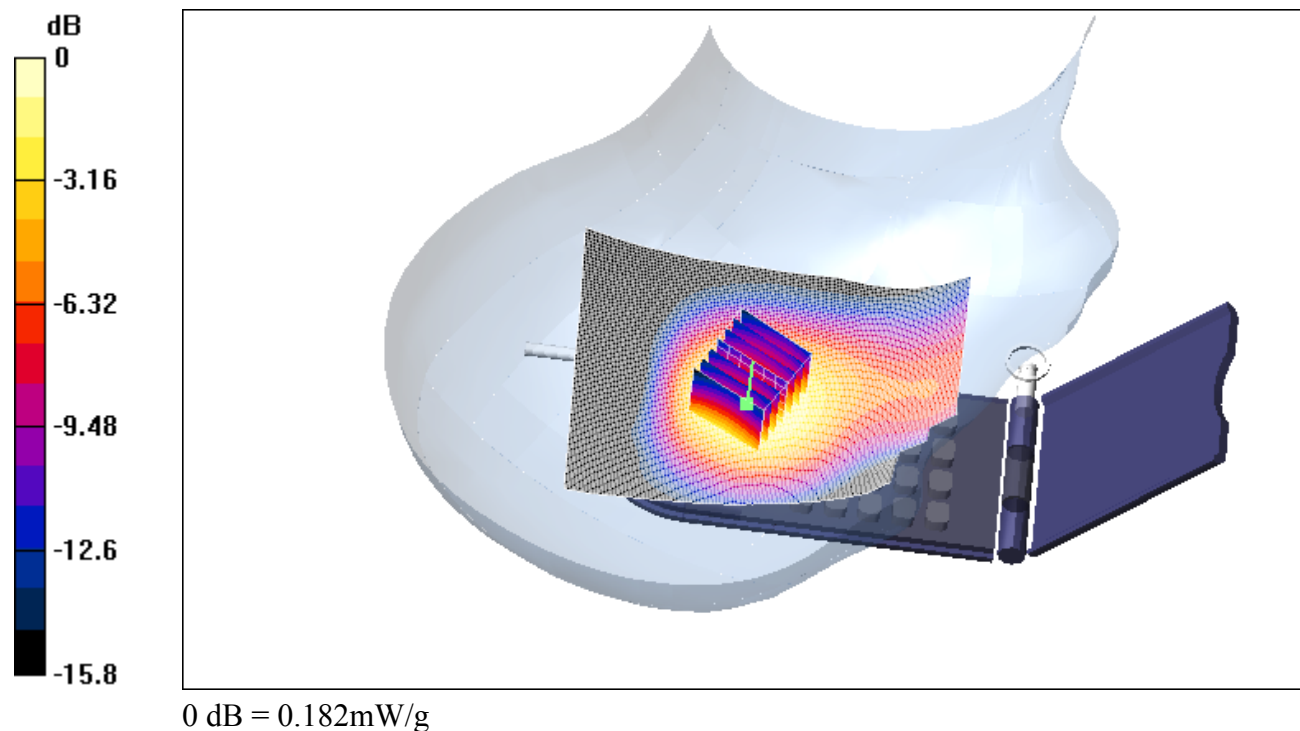
Peak SAR (extrapolated) = 0.247 W/kg

SAR(1 g) = 0.167 mW/g; SAR(10 g) = 0.103 mW/g

Reference Value = 7.81 V/m

Power Drift = -0.02 dB

Maximum value of SAR = 0.182 mW/g



Date/Time: 08/26/03 16:45:42

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: G310
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

G310/Area Scan (101x141x1): Measurement grid: dx=10mm, dy=10mm

Reference Value = 5.93 V/m

Power Drift = -0.1 dB

Maximum value of SAR = 1.29 mW/g

G310/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

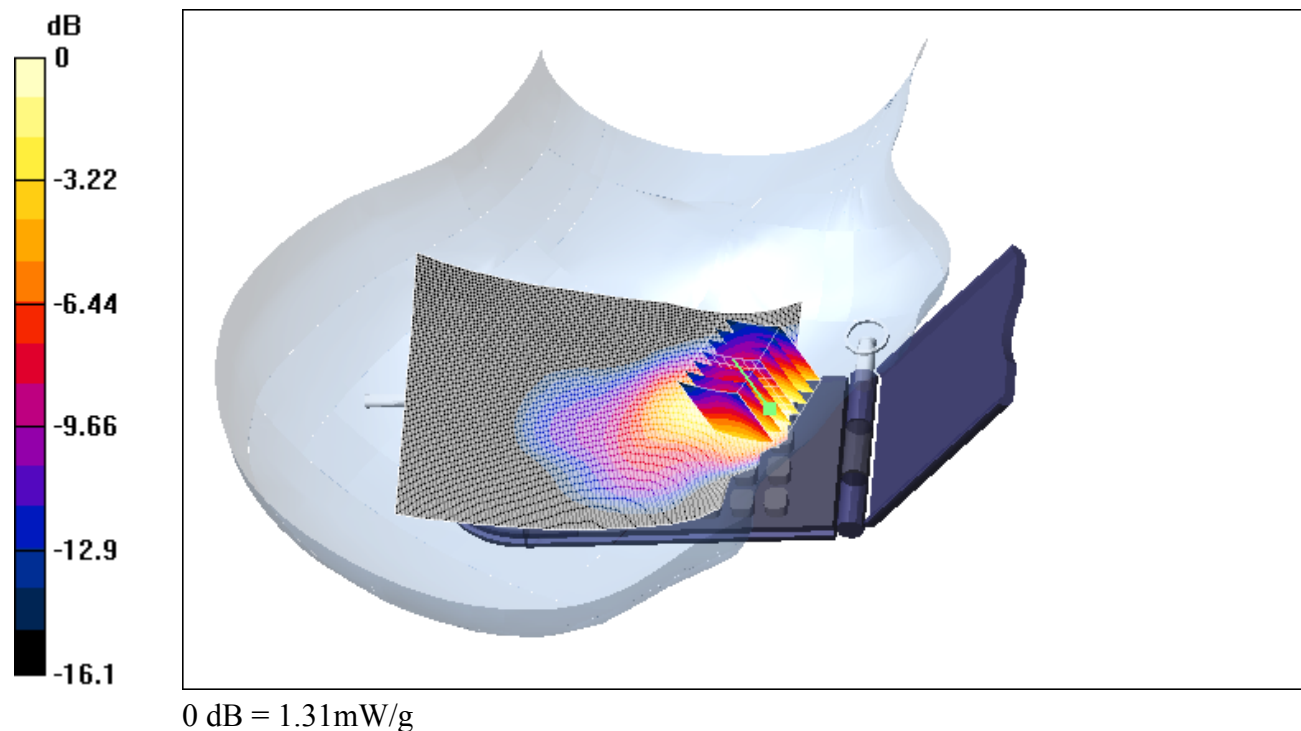
Peak SAR (extrapolated) = 1.7 W/kg

SAR(1 g) = 1.19 mW/g; SAR(10 g) = 0.727 mW/g

Reference Value = 5.93 V/m

Power Drift = -0.1 dB

Maximum value of SAR = 1.31 mW/g



Date/Time: 08/26/03 19:40:44

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: G310**
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

G310/Area Scan (101x141x1): Measurement grid: dx=10mm, dy=10mm

Reference Value = 9.16 V/m

Power Drift = -0.007 dB

Maximum value of SAR = 0.241 mW/g

G310/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

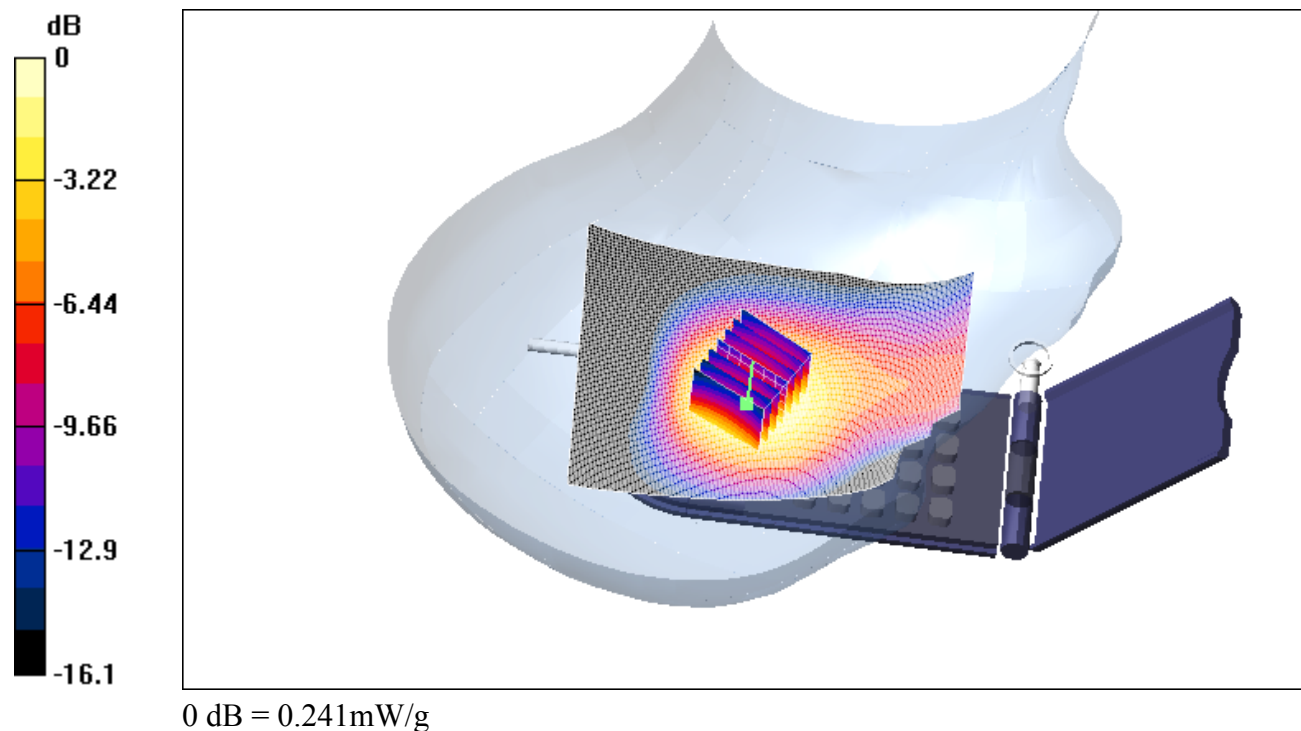
Peak SAR (extrapolated) = 0.327 W/kg

SAR(1 g) = 0.224 mW/g; SAR(10 g) = 0.138 mW/g

Reference Value = 9.16 V/m

Power Drift = -0.007 dB

Maximum value of SAR = 0.241 mW/g



Date/Time: 08/26/03 18:17:46

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: G310**
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

G310/Area Scan (101x141x1): Measurement grid: dx=10mm, dy=10mm

Reference Value = 6.42 V/m

Power Drift = -0.03 dB

Maximum value of SAR = 1.26 mW/g

G310/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

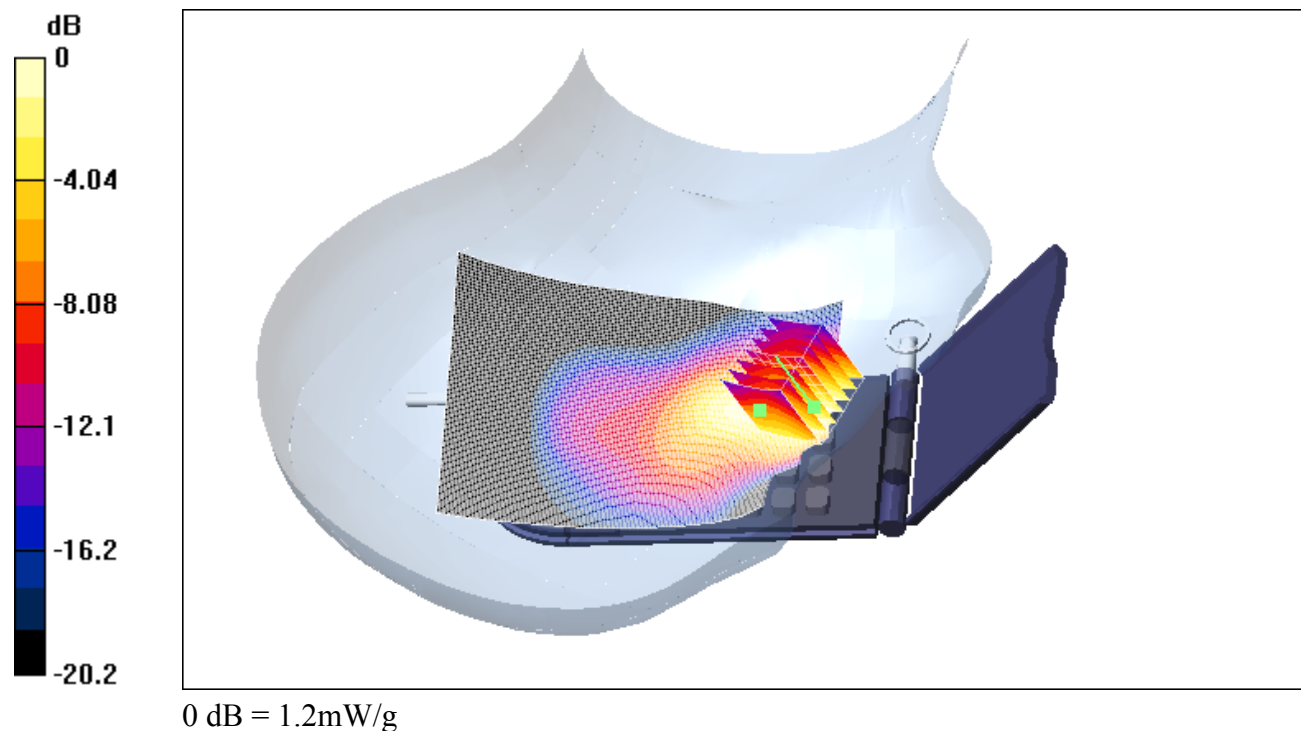
Peak SAR (extrapolated) = 1.74 W/kg

SAR(1 g) = 1.17 mW/g; SAR(10 g) = 0.716 mW/g

Reference Value = 6.42 V/m

Power Drift = -0.03 dB

Maximum value of SAR = 1.27 mW/g



Date/Time: 08/26/03 19:02:04

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: G310**
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

G310/Area Scan (101x141x1): Measurement grid: dx=10mm, dy=10mm

Reference Value = 10.6 V/m

Power Drift = -0.09 dB

Maximum value of SAR = 0.306 mW/g

G310/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

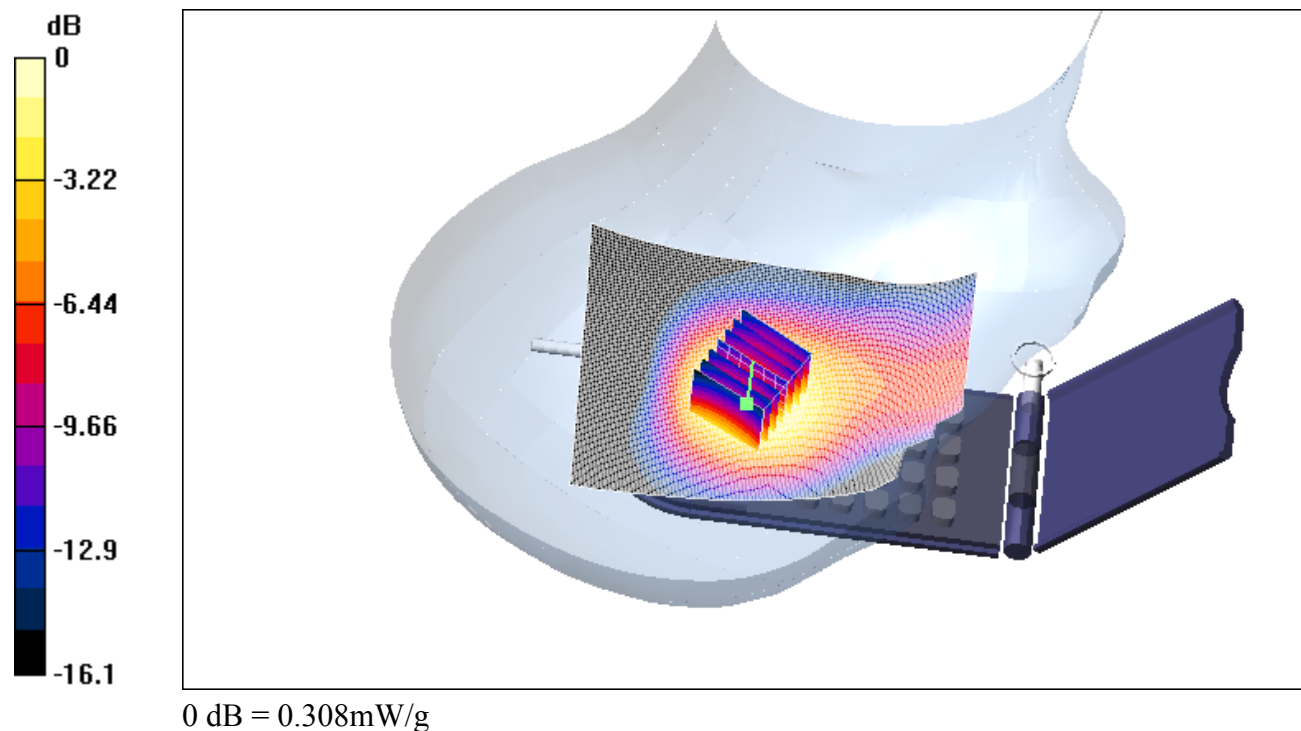
Peak SAR (extrapolated) = 0.423 W/kg

SAR(1 g) = 0.284 mW/g; SAR(10 g) = 0.172 mW/g

Reference Value = 10.6 V/m

Power Drift = -0.09 dB

Maximum value of SAR = 0.308 mW/g



Date/Time: 08/25/03 18:52:31

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: G310
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

G310/Area Scan (101x141x1): Measurement grid: dx=10mm, dy=10mm

Reference Value = 4.31 V/m

Power Drift = -0.05 dB

Maximum value of SAR = 1.21 mW/g

G310/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

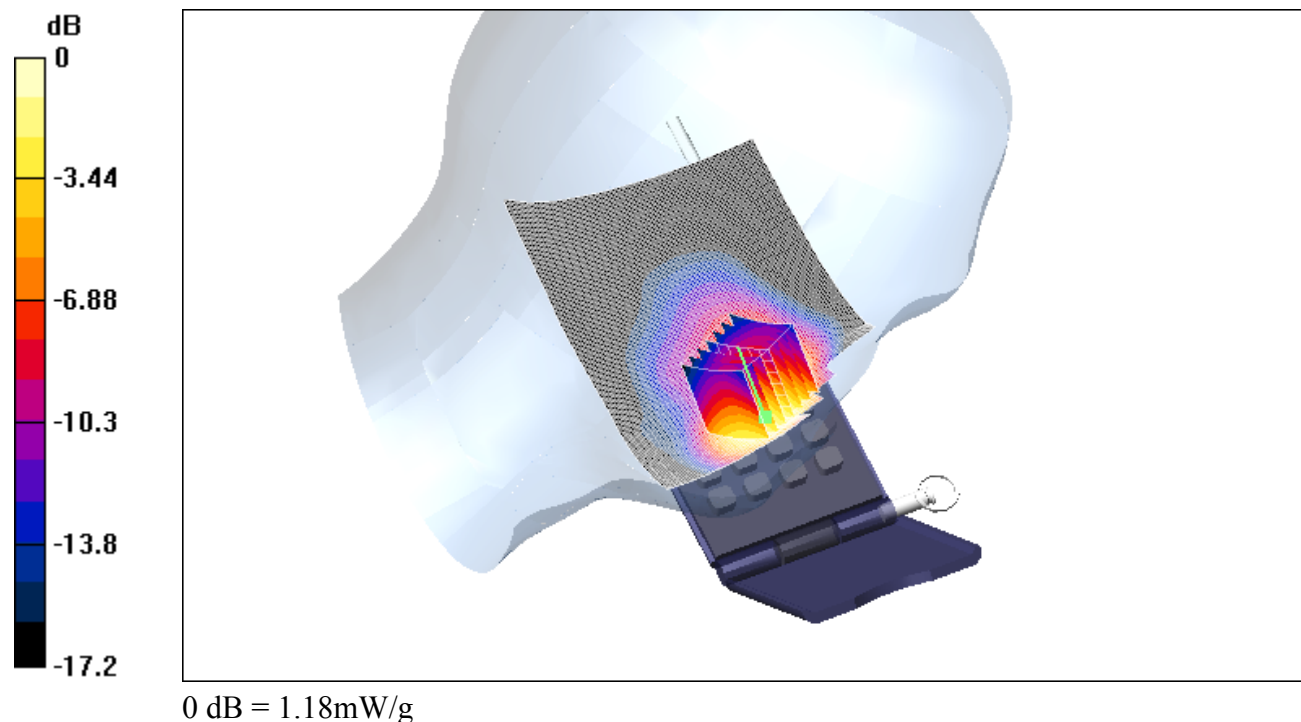
Peak SAR (extrapolated) = 1.43 W/kg

SAR(1 g) = 1.1 mW/g; SAR(10 g) = 0.697 mW/g

Reference Value = 4.31 V/m

Power Drift = -0.05 dB

Maximum value of SAR = 1.18 mW/g



Date/Time: 08/26/03 15:48:33

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: G310
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

G310/Area Scan (101x141x1): Measurement grid: dx=10mm, dy=10mm

Reference Value = 8.16 V/m

Power Drift = -0.04 dB

Maximum value of SAR = 0.203 mW/g

G310/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

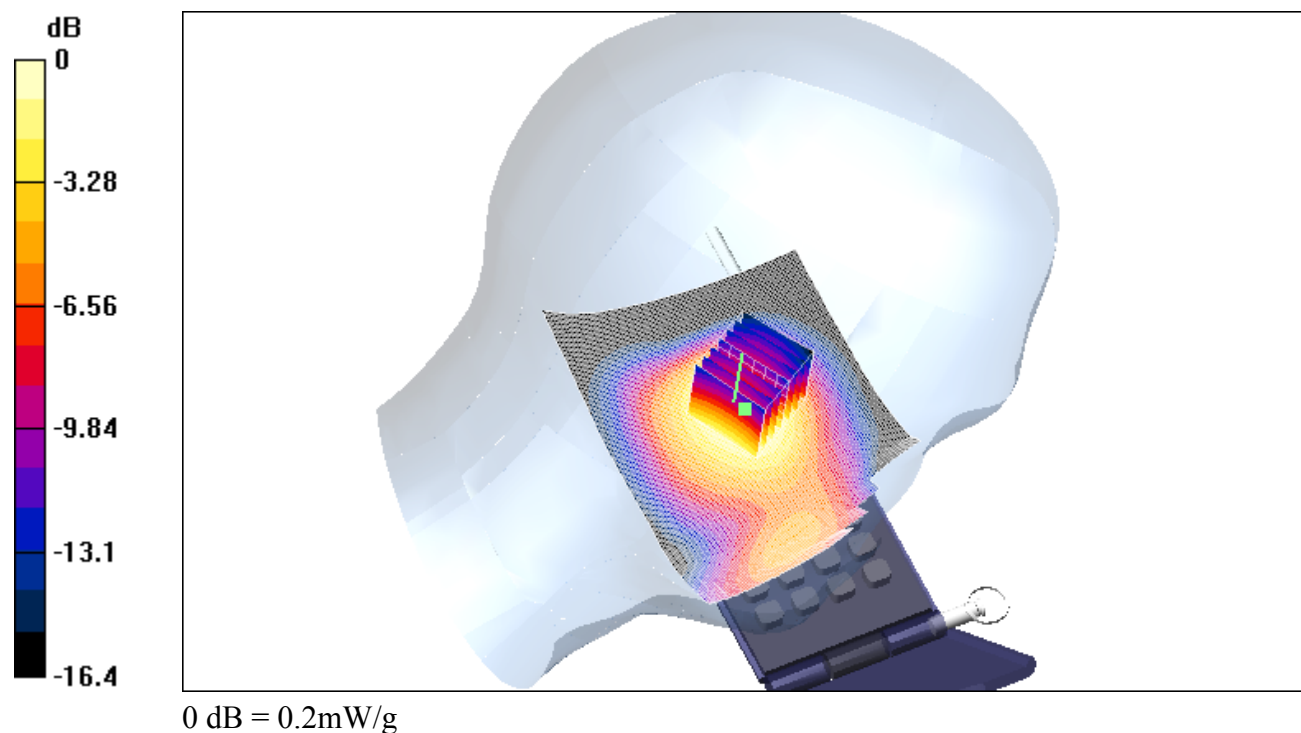
Peak SAR (extrapolated) = 0.271 W/kg

SAR(1 g) = 0.185 mW/g; SAR(10 g) = 0.114 mW/g

Reference Value = 8.16 V/m

Power Drift = -0.04 dB

Maximum value of SAR = 0.2 mW/g



Date/Time: 08/25/03 18:00:27

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: G310
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

G310/Area Scan (101x141x1): Measurement grid: dx=10mm, dy=10mm

Reference Value = 5.23 V/m

Power Drift = -0.07 dB

Maximum value of SAR = 1.4 mW/g

G310/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

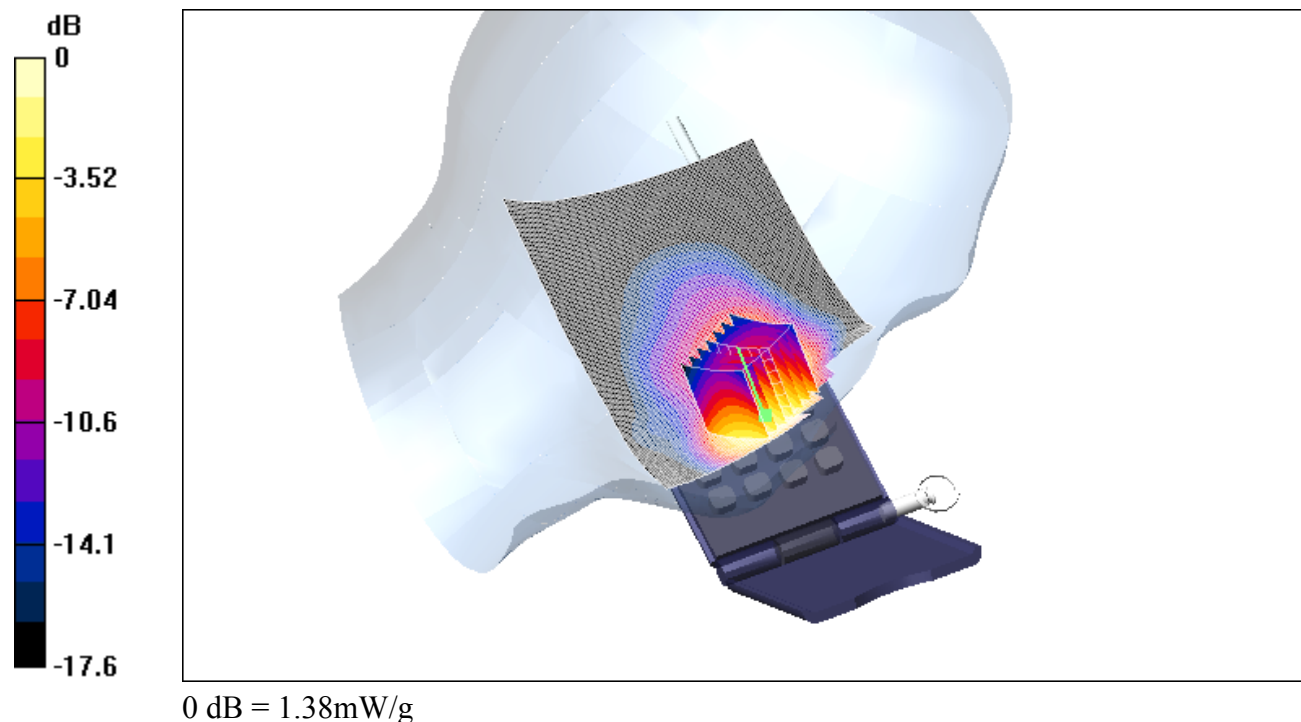
Peak SAR (extrapolated) = 1.68 W/kg

SAR(1 g) = 1.27 mW/g; SAR(10 g) = 0.803 mW/g

Reference Value = 5.23 V/m

Power Drift = -0.07 dB

Maximum value of SAR = 1.38 mW/g



Date/Time: 08/25/03 21:44:46

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: G310**
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

G310/Area Scan (101x141x1): Measurement grid: dx=10mm, dy=10mm

Reference Value = 11.2 V/m

Power Drift = -0.02 dB

Maximum value of SAR = 0.37 mW/g

G310/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

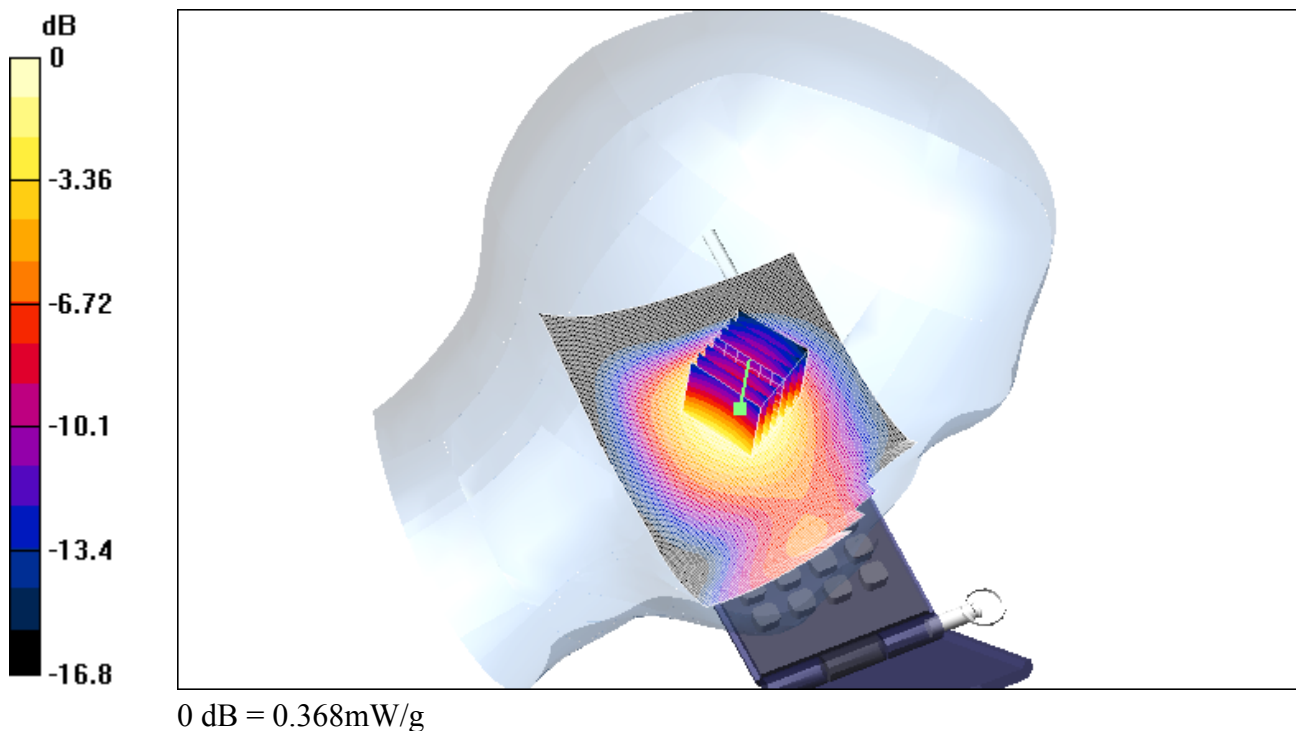
Peak SAR (extrapolated) = 0.507 W/kg

SAR(1 g) = 0.342 mW/g; SAR(10 g) = 0.208 mW/g

Reference Value = 11.2 V/m

Power Drift = -0.02 dB

Maximum value of SAR = 0.368 mW/g



Date/Time: 08/25/03 19:34:00

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: G310
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

G310/Area Scan (101x141x1): Measurement grid: dx=10mm, dy=10mm

Reference Value = 5.75 V/m

Power Drift = -0.05 dB

Maximum value of SAR = 1.44 mW/g

G310/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

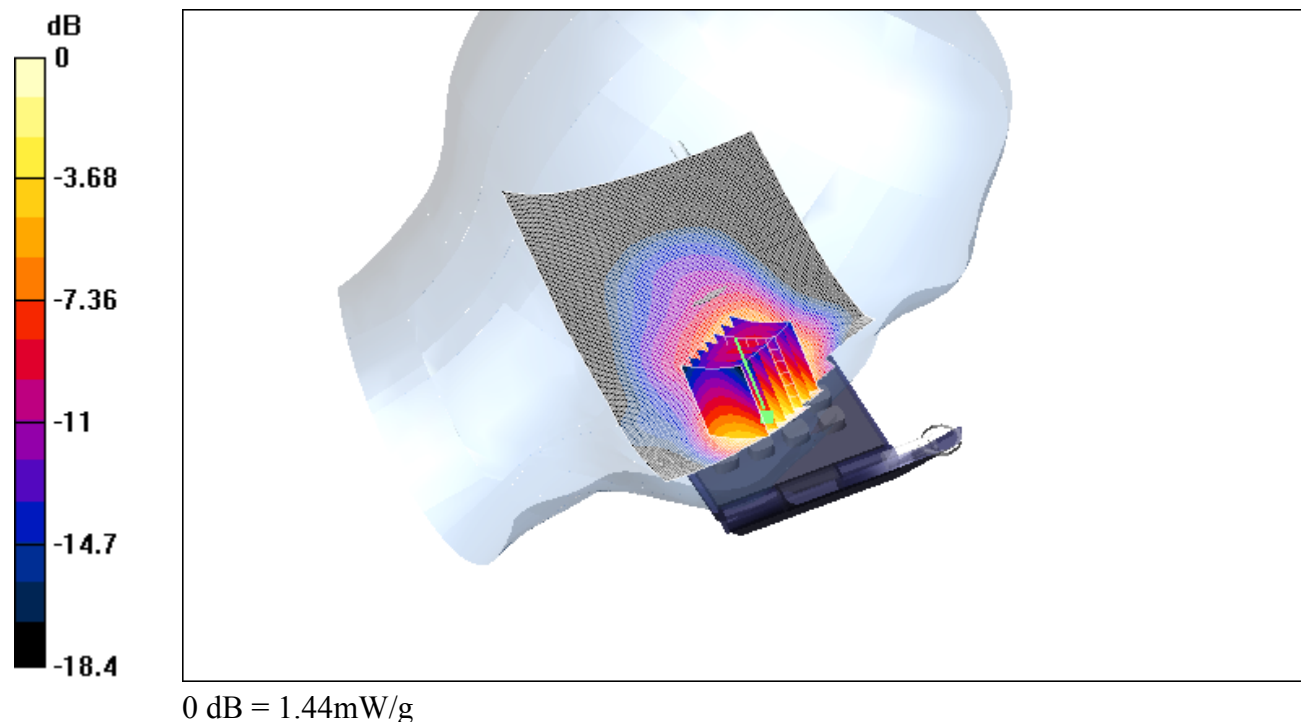
Peak SAR (extrapolated) = 1.78 W/kg

SAR(1 g) = 1.34 mW/g; SAR(10 g) = 0.843 mW/g

Reference Value = 5.75 V/m

Power Drift = -0.05 dB

Maximum value of SAR = 1.44 mW/g



Date/Time: 08/25/03 21:06:12

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: G310
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

G310/Area Scan (101x141x1): Measurement grid: dx=10mm, dy=10mm

Reference Value = 9.91 V/m

Power Drift = -0.07 dB

Maximum value of SAR = 0.294 mW/g

G310/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

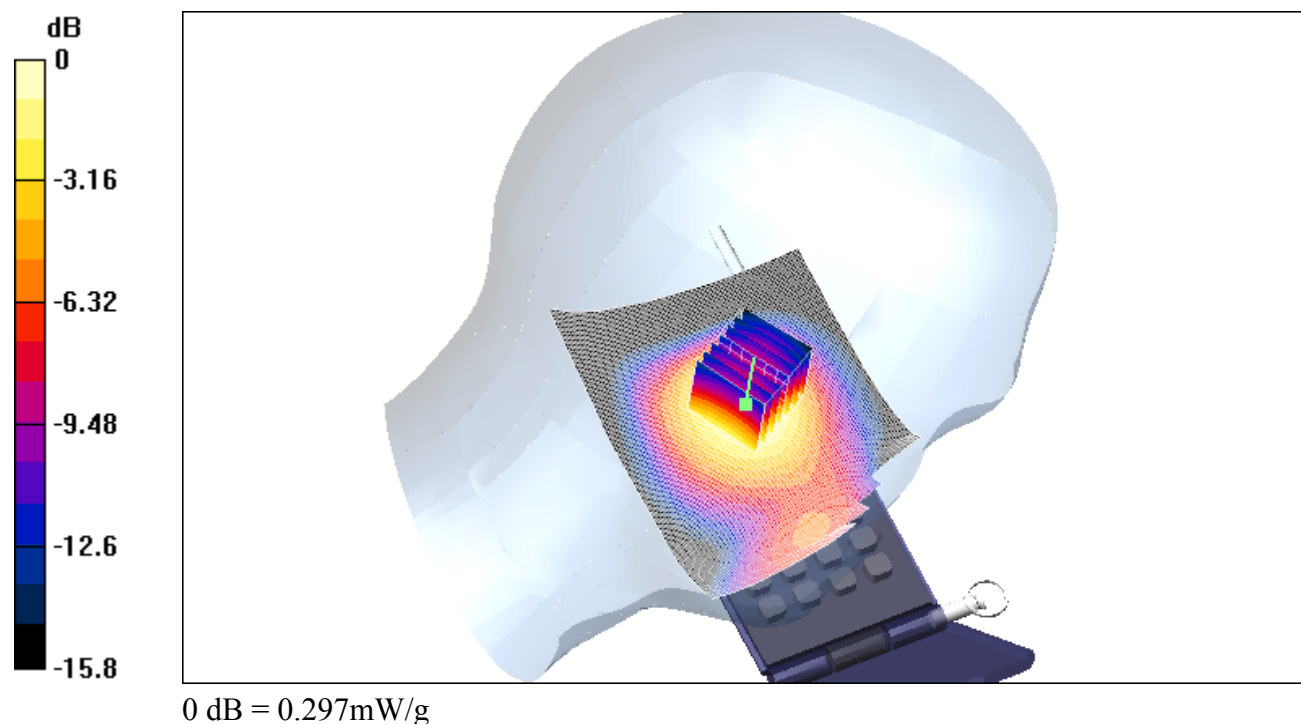
Peak SAR (extrapolated) = 0.405 W/kg

SAR(1 g) = 0.275 mW/g; SAR(10 g) = 0.168 mW/g

Reference Value = 9.91 V/m

Power Drift = -0.07 dB

Maximum value of SAR = 0.297 mW/g



Date/Time: 08/28/03 18:25:05

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: G310
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

G310/Area Scan (111x71x1): Measurement grid: dx=10mm, dy=10mm

Reference Value = 11.7 V/m

Power Drift = -0.004 dB

Maximum value of SAR = 0.244 mW/g

G310/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

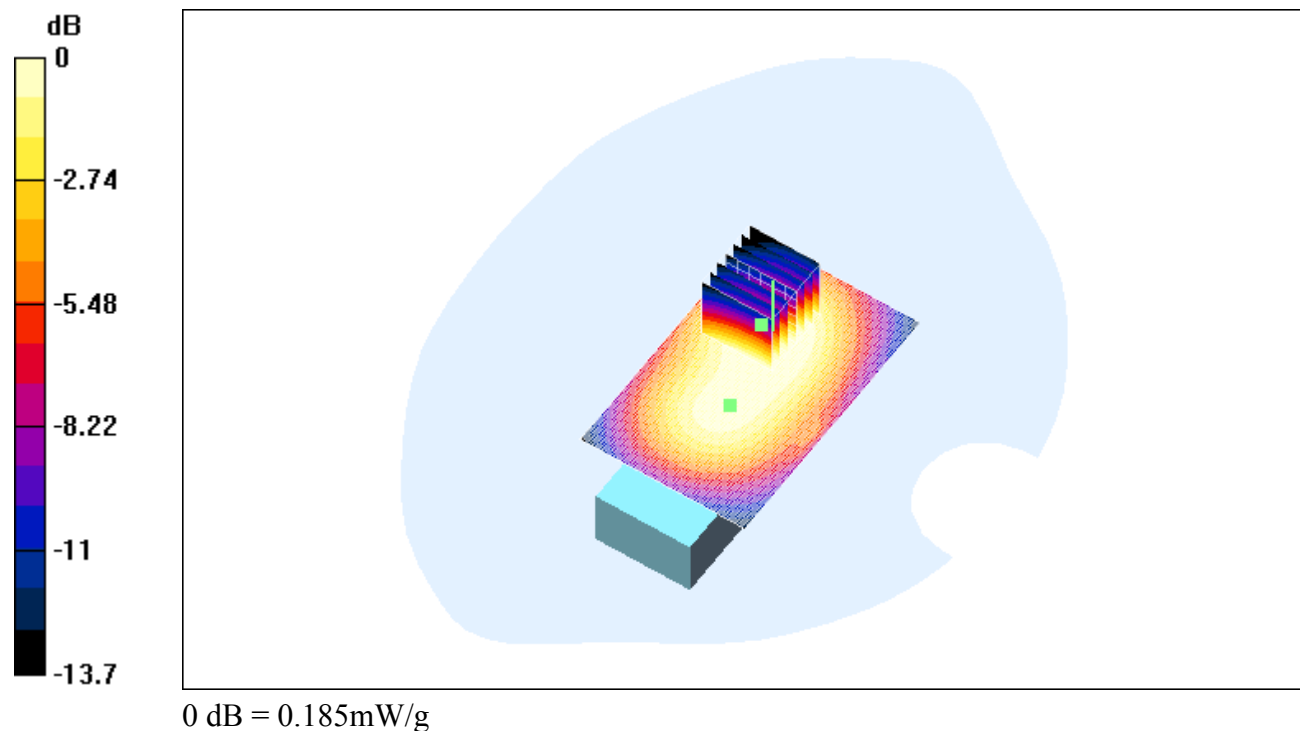
Peak SAR (extrapolated) = 0.376 W/kg

SAR(1 g) = 0.227 mW/g; SAR(10 g) = 0.135 mW/g

Reference Value = 11.7 V/m

Power Drift = -0.004 dB

Maximum value of SAR = 0.239 mW/g



Date/Time: 08/28/03 17:30:05

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: G310
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

G310/Area Scan (111x71x1): Measurement grid: dx=10mm, dy=10mm

Reference Value = 7.49 V/m

Power Drift = -0.07 dB

Maximum value of SAR = 0.118 mW/g

G310/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

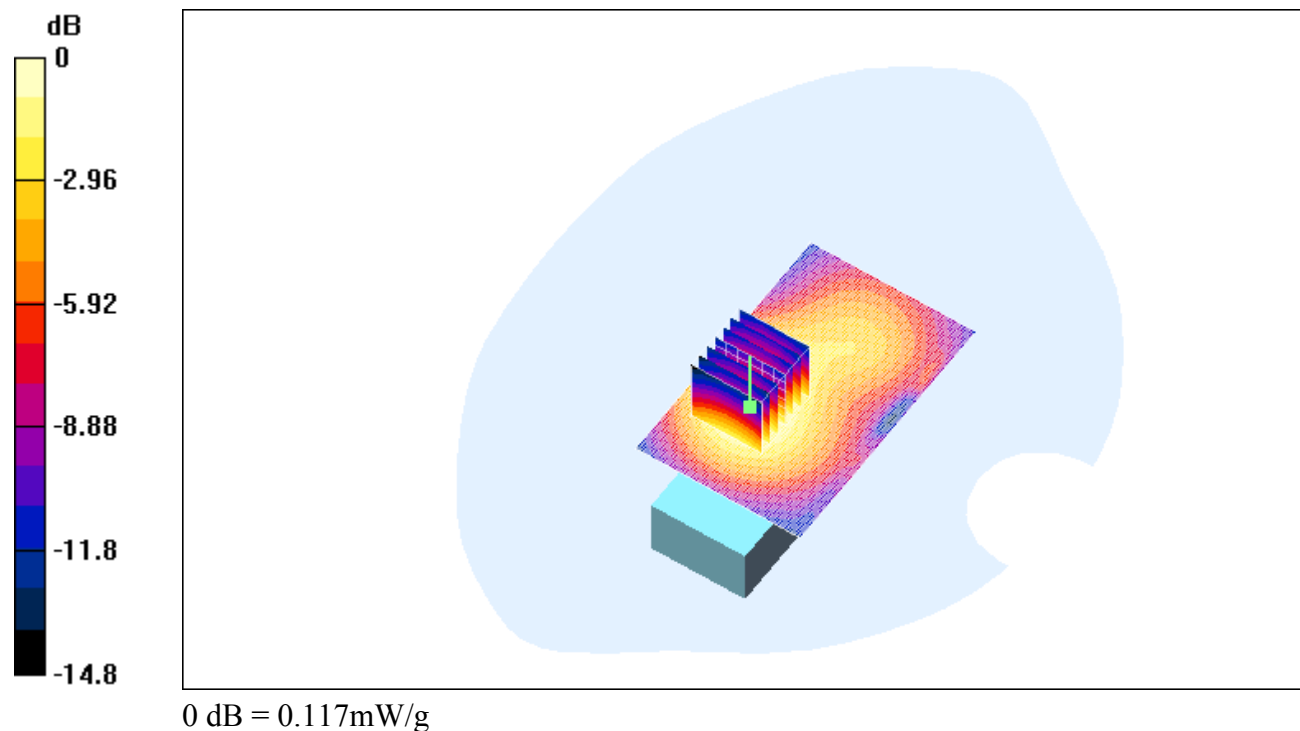
Peak SAR (extrapolated) = 0.165 W/kg

SAR(1 g) = 0.109 mW/g; SAR(10 g) = 0.0682 mW/g

Reference Value = 7.49 V/m

Power Drift = -0.07 dB

Maximum value of SAR = 0.117 mW/g



Date/Time: 08/28/03 19:10:03

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: G310
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

G310/Area Scan (111x71x1): Measurement grid: dx=10mm, dy=10mm

Reference Value = 11.8 V/m

Power Drift = 0.02 dB

Maximum value of SAR = 0.282 mW/g

G310/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

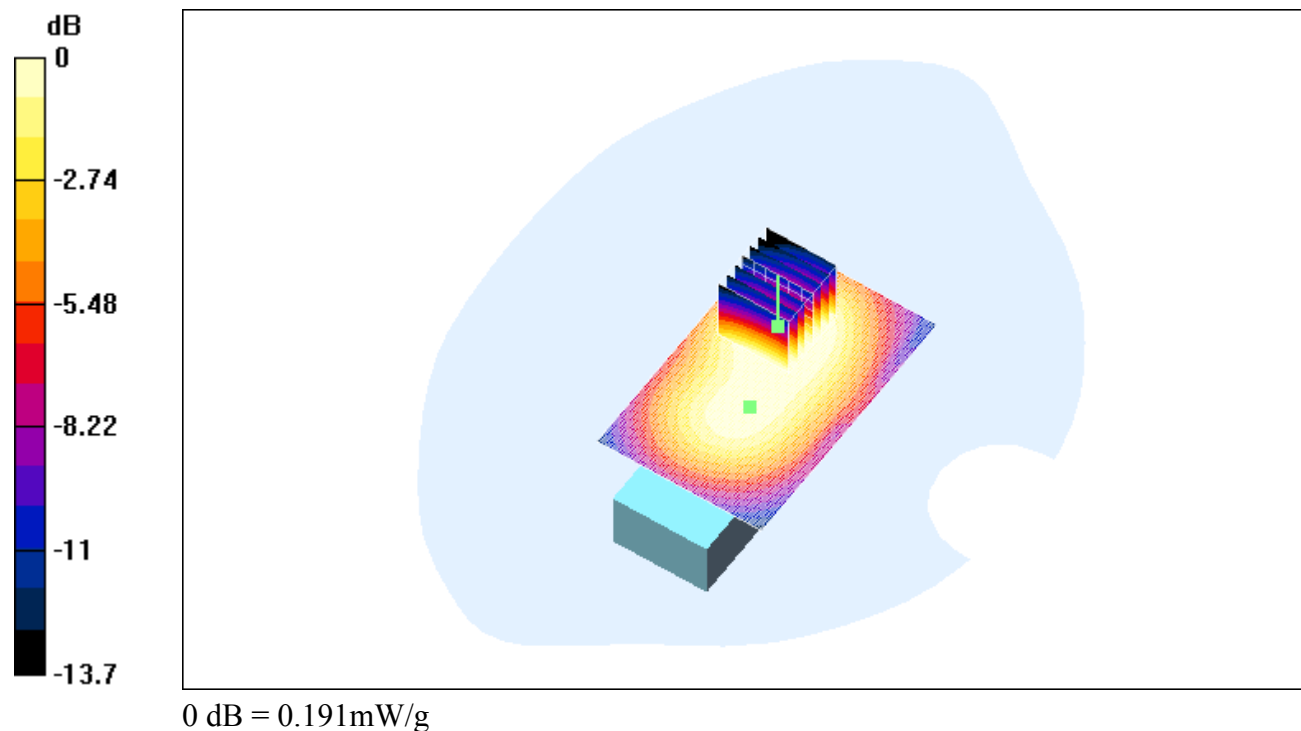
Peak SAR (extrapolated) = 0.447 W/kg

SAR(1 g) = 0.261 mW/g; SAR(10 g) = 0.152 mW/g

Reference Value = 11.8 V/m

Power Drift = 0.02 dB

Maximum value of SAR = 0.277 mW/g



Date/Time: 08/28/03 16:55:58

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: G310
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

G310/Area Scan (111x71x1): Measurement grid: dx=10mm, dy=10mm

Reference Value = 7.23 V/m

Power Drift = -0.06 dB

Maximum value of SAR = 0.132 mW/g

G310/Zoom Scan (7x7x7)/Cube 1: Measurement grid: dx=5mm, dy=5mm, dz=5mm

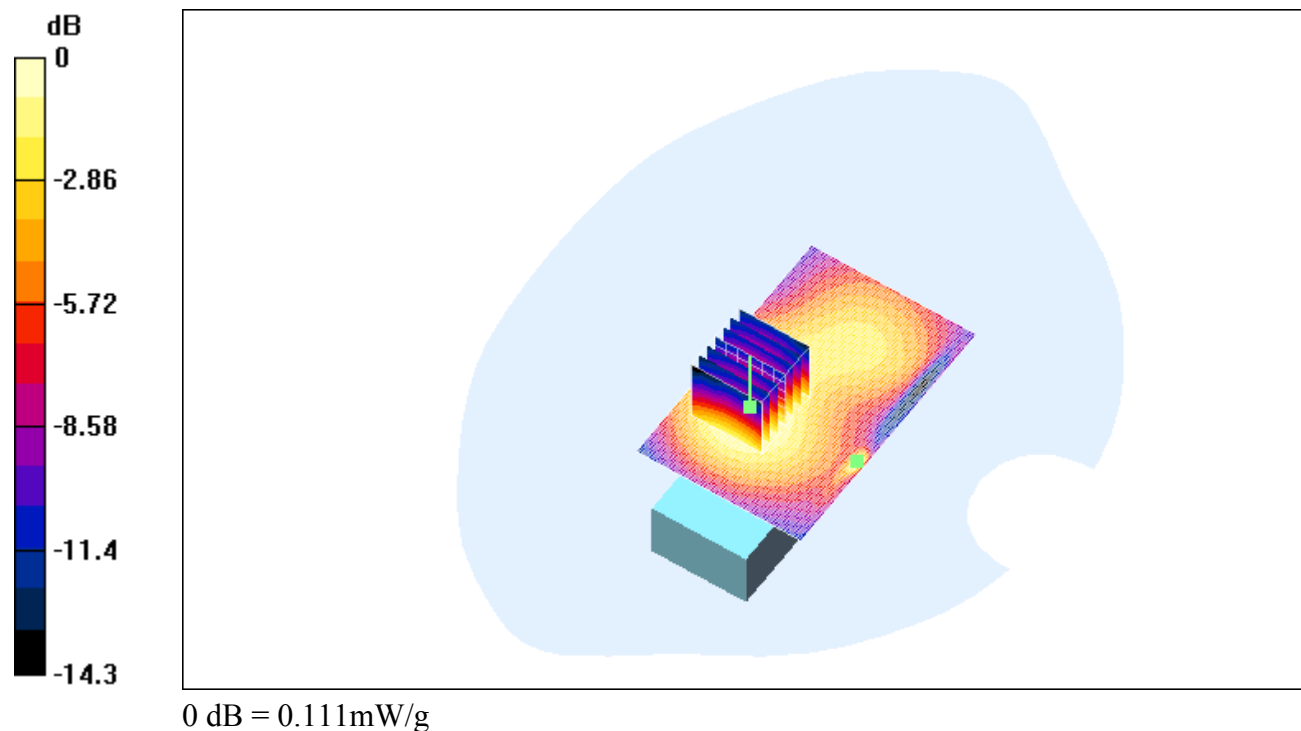
Peak SAR (extrapolated) = 0.158 W/kg

SAR(1 g) = 0.104 mW/g; SAR(10 g) = 0.065 mW/g

Reference Value = 7.23 V/m

Power Drift = -0.06 dB

Maximum value of SAR = 0.111 mW/g



Date/Time: 08/28/03 19:42:26

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: G310
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

G310/Area Scan (111x71x1): Measurement grid: dx=10mm, dy=10mm

Reference Value = 10.3 V/m

Power Drift = 0.06 dB

Maximum value of SAR = 0.235 mW/g

G310/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

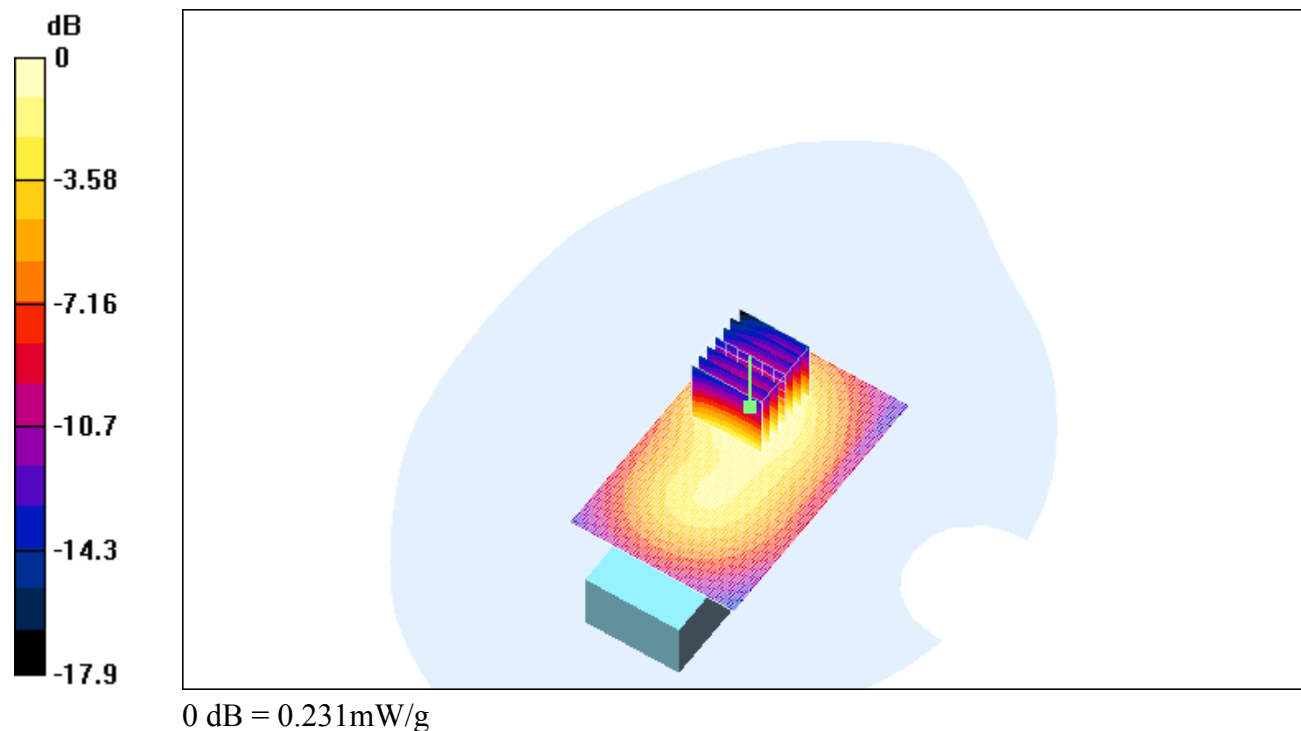
Peak SAR (extrapolated) = 0.376 W/kg

SAR(1 g) = 0.217 mW/g; SAR(10 g) = 0.124 mW/g

Reference Value = 10.3 V/m

Power Drift = 0.06 dB

Maximum value of SAR = 0.231 mW/g



Date/Time: 08/28/03 15:25:15

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: G310
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

G310/Area Scan (111x71x1): Measurement grid: dx=10mm, dy=10mm

Reference Value = 5.5 V/m

Power Drift = -0.06 dB

Maximum value of SAR = 0.0753 mW/g

G310/Zoom Scan (7x7x7)/Cube 1: Measurement grid: dx=5mm, dy=5mm, dz=5mm

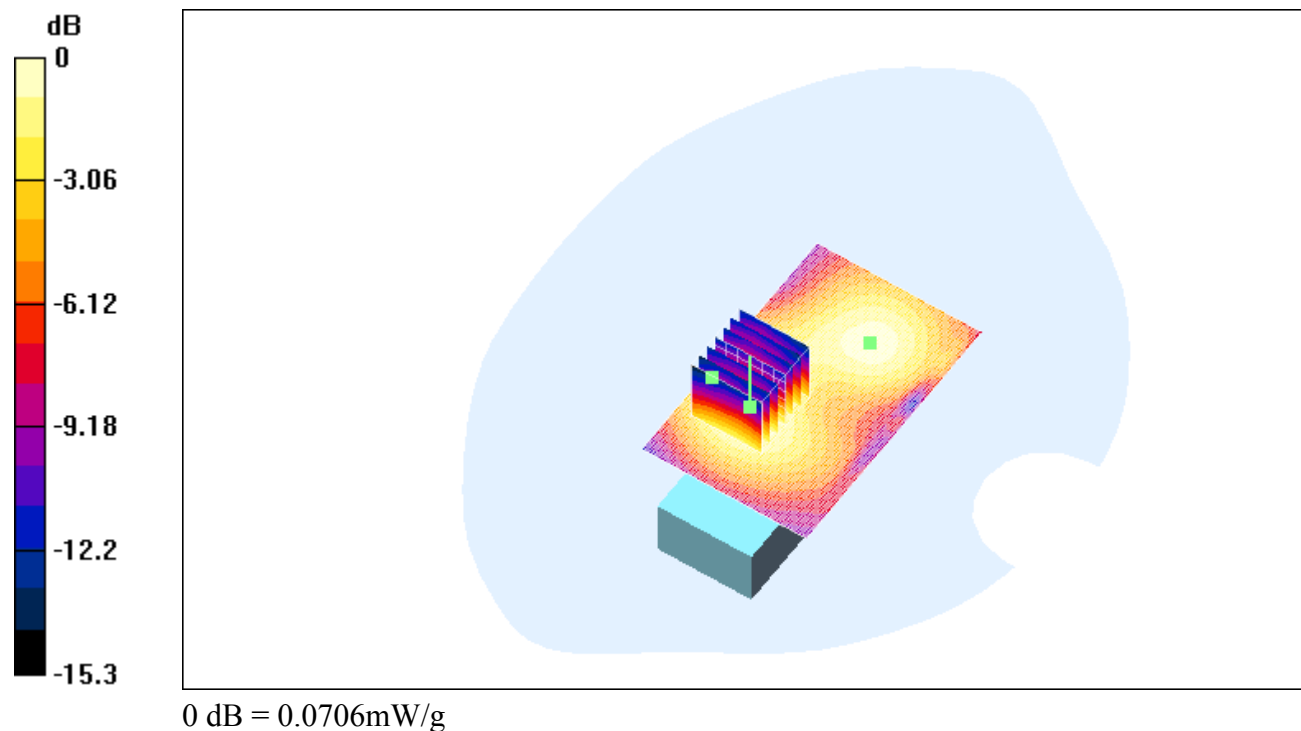
Peak SAR (extrapolated) = 0.101 W/kg

SAR(1 g) = 0.0661 mW/g; SAR(10 g) = 0.0413 mW/g

Reference Value = 5.5 V/m

Power Drift = -0.06 dB

Maximum value of SAR = 0.0706 mW/g



Date/Time: 08/25/03 19:34:00

Test Laboratory: ELECTRONIC TECHNOLOGY SYSTEMS DR. GENZ GMBH

File Name: [1900_left_ch810_cheek.da4](#)**1900_left_ch810_cheek****Z-axis scan**

DUT: Dual Band GSM900 (EGSM) / PCS1900 (with WAP & GPRS); Type: -; Serial: G310
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)
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

G310/Area Scan (101x141x1): Measurement grid: dx=10mm, dy=10mm

Reference Value = 5.75 V/m

Power Drift = -0.05 dB

Maximum value of SAR = 1.44 mW/g

G310/Z Scan (1x1x13): Measurement grid: dx=20mm, dy=20mm, dz=4mm

Reference Value = 5.75 V/m

Power Drift = -0.05 dB

Maximum value of SAR = 0.0346 mW/g

