

Appendix B

Measurement Plots

Test Laboratory: ELECTRONIC TECHNOLOGY SYSTEMS DR. GENZ GMBH

File Name: [Dipol Valid.1900 h_250mW_4.12.03.da4](#)

Dipol Valid.1900 h_250mW_4.12.03

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 (81x81x1): Measurement grid: dx=10mm, dy=10mm

Reference Value = 98.4 V/m

Power Drift = -0.04 dB

Maximum value of SAR = 12.3 mW/g

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

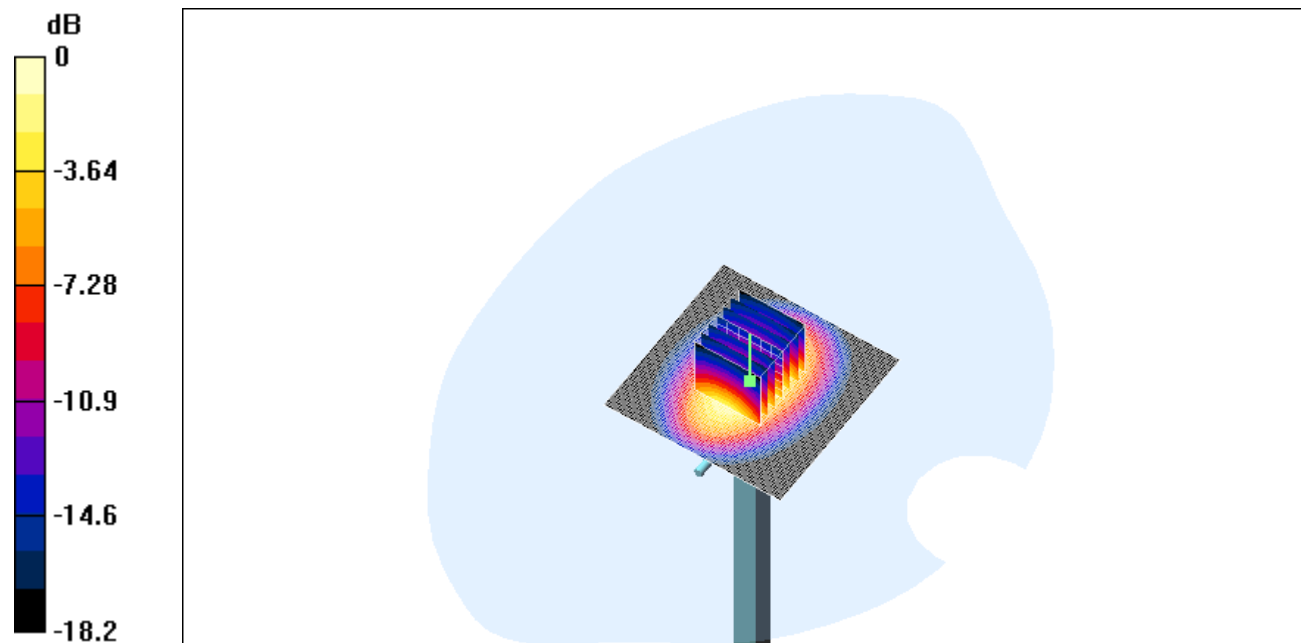
Peak SAR (extrapolated) = 19.7 W/kg

SAR(1 g) = 10.9 mW/g; SAR(10 g) = 5.53 mW/g

Reference Value = 98.4 V/m

Power Drift = -0.04 dB

Maximum value of SAR = 12.2 mW/g



0 dB = 12.2mW/g

Test Laboratory: ELECTRONIC TECHNOLOGY SYSTEMS DR. GENZ GMBH

File Name: [Dipol Valid.1900 h_250mW_4.12.03.da4](#)

Dipol Valid.1900 h_250mW_5.12.03

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 (81x81x1): Measurement grid: dx=10mm, dy=10mm

Reference Value = 98.3V/m

Power Drift = 0.02 dB

Maximum value of SAR = 12.3 mW/g

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

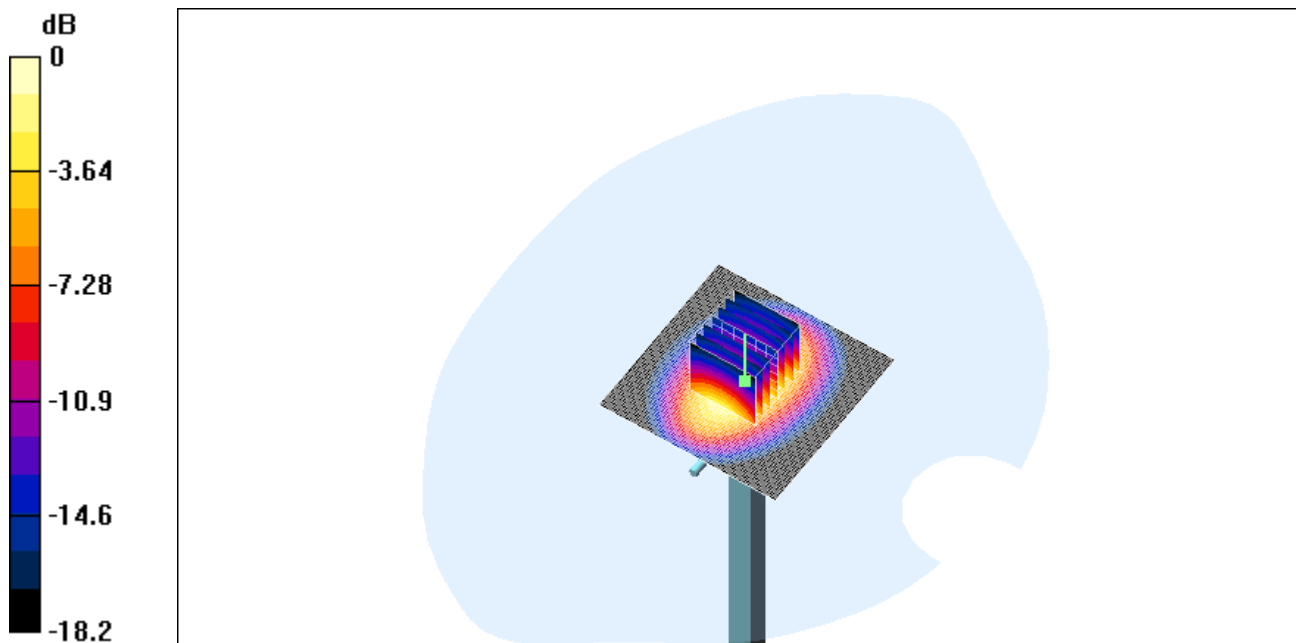
Peak SAR (extrapolated) = 19.7 W/kg

SAR(1 g) = 10.8 mW/g; SAR(10 g) = 5.52 mW/g

Reference Value = 98.4 V/m

Power Drift = 0.02 dB

Maximum value of SAR = 12.1 mW/g



Test Laboratory: ELECTRONIC TECHNOLOGY SYSTEMS DR. GENZ GMBH

File Name: [Dipol Valid.1900\(m\)_250mW_5.12.03.da4](#)

Dipol Valid.1900(m)_250mW_5.12.03

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 (81x81x1): Measurement grid: dx=10mm, dy=10mm

Reference Value = 92.7 V/m

Power Drift = -0.01 dB

Maximum value of SAR = 12.4 mW/g

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

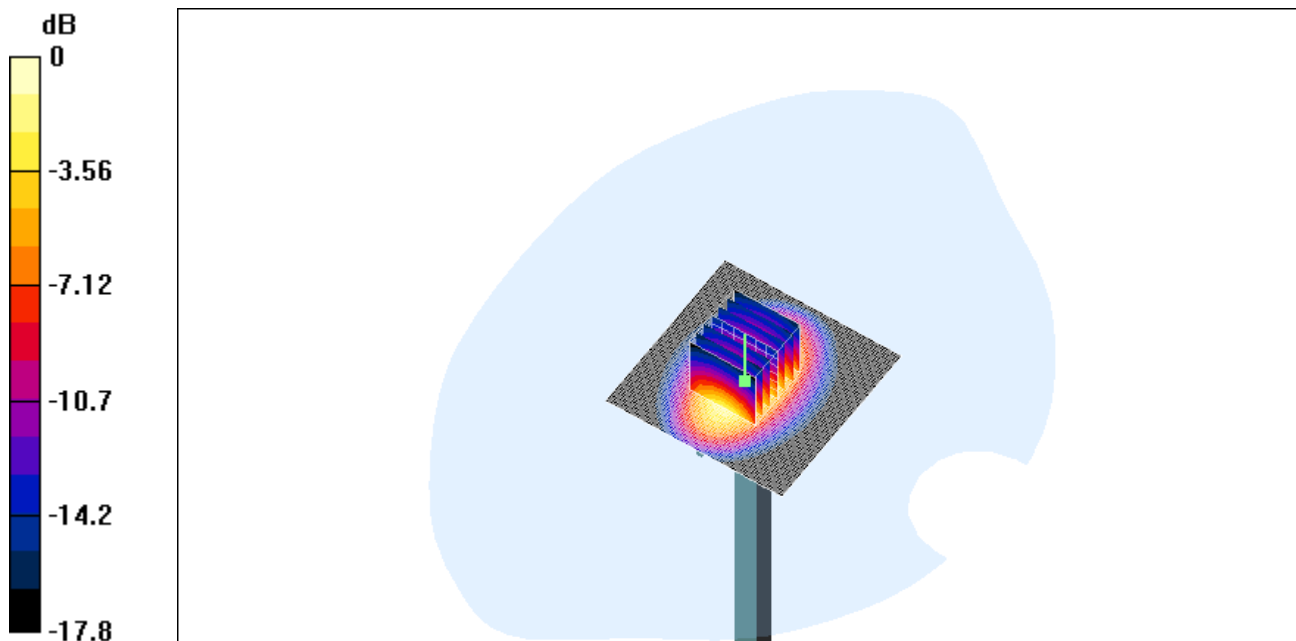
Peak SAR (extrapolated) = 19.3 W/kg

SAR(1 g) = 10.9 mW/g; SAR(10 g) = 5.54 mW/g

Reference Value = 92.7 V/m

Power Drift = -0.01 dB

Maximum value of SAR = 12.1 mW/g



0 dB = 12.1mW/g

Test Laboratory: ELECTRONIC TECHNOLOGY SYSTEMS DR. GENZ GMBH

File Name: [Dipol Valid.1900\(m\)_250mW_11.12.03.da4](#)

Dipol Valid.1900(m)_250mW_11.12.03

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 (81x81x1): Measurement grid: dx=10mm, dy=10mm

Reference Value = 93 V/m

Power Drift = -0.02 dB

Maximum value of SAR = 12.3 mW/g

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

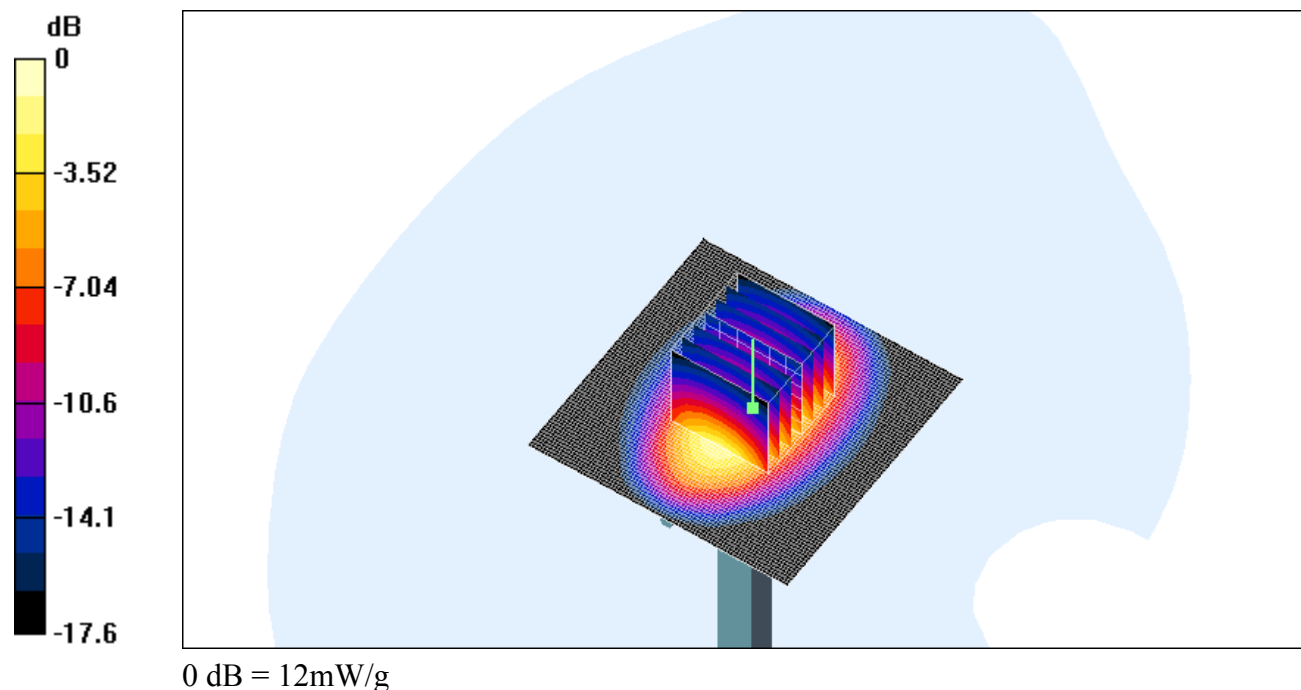
Peak SAR (extrapolated) = 19 W/kg

SAR(1 g) = 10.7 mW/g; SAR(10 g) = 5.48 mW/g

Reference Value = 93 V/m

Power Drift = -0.02 dB

Maximum value of SAR = 12 mW/g



Test Laboratory: ELECTRONIC TECHNOLOGY SYSTEMS DR. GENZ GMBH

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

1900_right_ch512_cheek

DUT: PDA with Quad-Band GPRS/GSM+Wlan+BT; Type: -; Serial: HSTN H-C01C

Program: PCS 1900

Communication System: PCS1900; 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

HSTN H-C01C/Area Scan (91x161x1): Measurement grid: dx=10mm, dy=10mm

Reference Value = 10.9 V/m

Power Drift = -0.02 dB

Maximum value of SAR = 1.27 mW/g

HSTN H-C01C/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

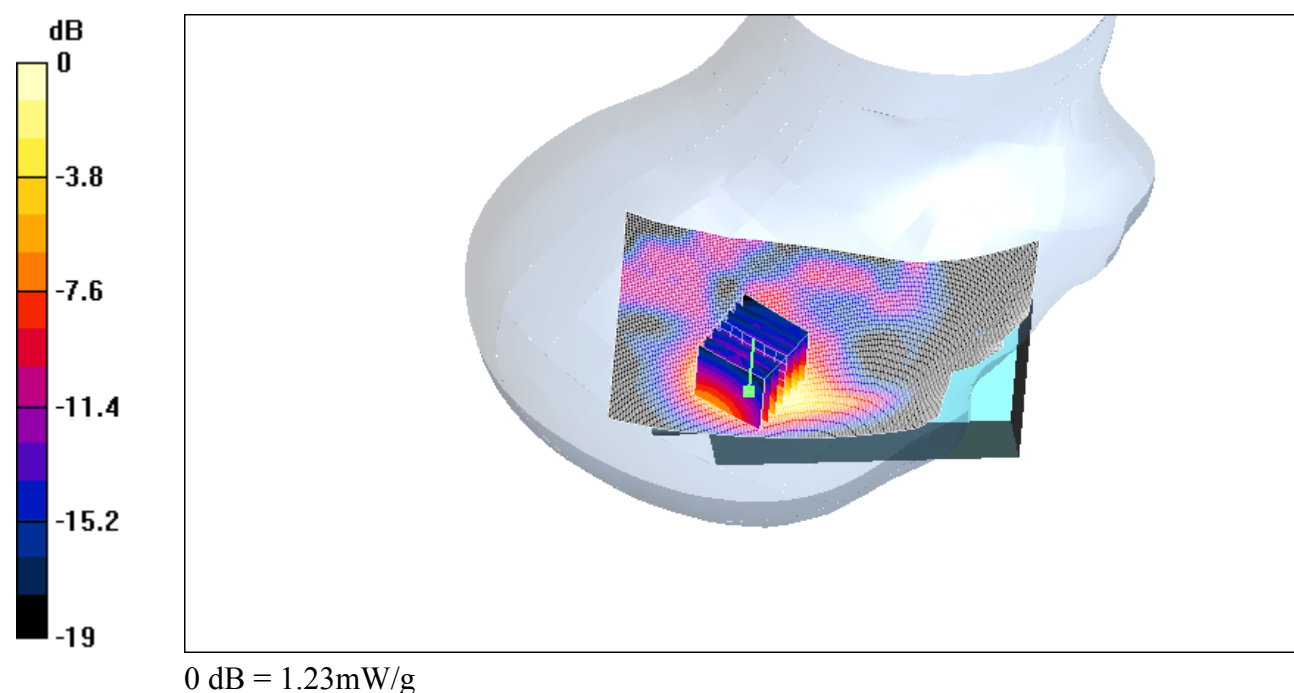
Peak SAR (extrapolated) = 2.29 W/kg

SAR(1 g) = 1.09 mW/g; SAR(10 g) = 0.502 mW/g

Reference Value = 10.9 V/m

Power Drift = -0.02 dB

Maximum value of SAR = 1.23 mW/g



Test Laboratory: ELECTRONIC TECHNOLOGY SYSTEMS DR. GENZ GMBH

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

1900_right_ch512_tilted

DUT: PDA with Quad-Band GPRS/GSM+Wlan+BT; Type: -; Serial: HSTN H-C01C

Program: PCS 1900

Communication System: PCS1900; 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

HSTN H-C01C/Area Scan (91x161x1): Measurement grid: dx=10mm, dy=10mm

Reference Value = 11.2 V/m

Power Drift = -0.09 dB

Maximum value of SAR = 1.45 mW/g

HSTN H-C01C/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

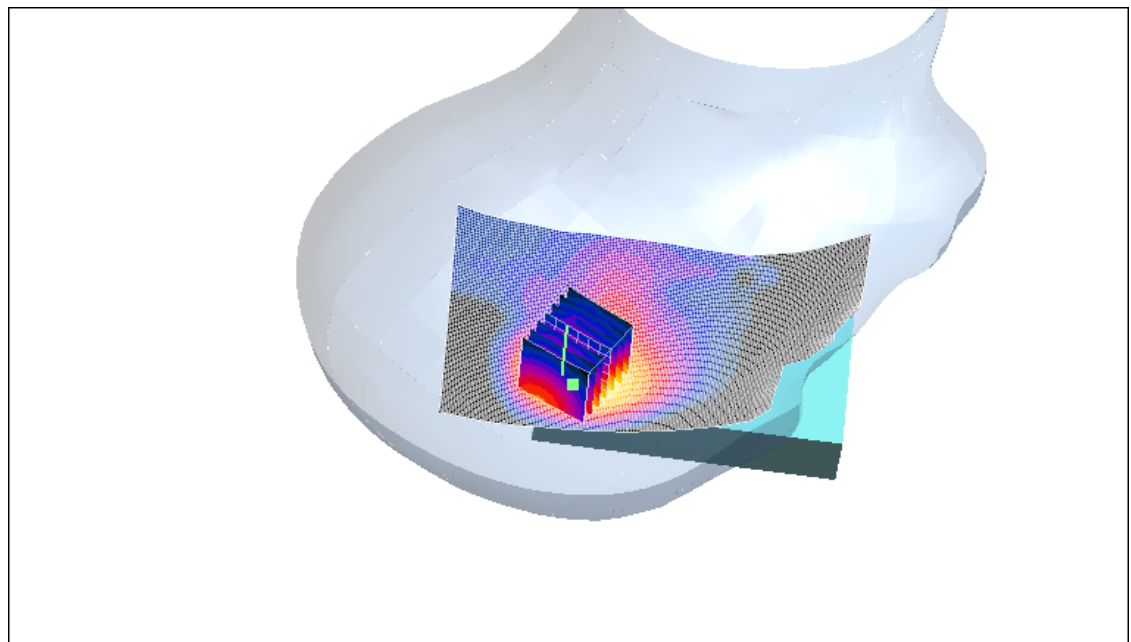
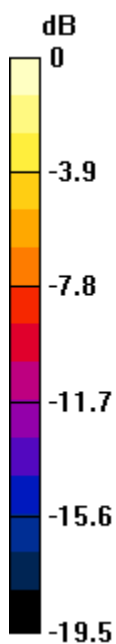
Peak SAR (extrapolated) = 2.62 W/kg

SAR(1 g) = 1.27 mW/g; SAR(10 g) = 0.566 mW/g

Reference Value = 11.2 V/m

Power Drift = -0.09 dB

Maximum value of SAR = 1.46 mW/g



0 dB = 1.46mW/g

Test Laboratory: ELECTRONIC TECHNOLOGY SYSTEMS DR. GENZ GMBH

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

1900_right_ch661_cheek

DUT: PDA with Quad-Band GPRS/GSM+Wlan+BT; Type: -; Serial: HSTN H-C01C

Program: PCS 1900

Communication System: PCS1900; 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

HSTN H-C01C/Area Scan (91x161x1): Measurement grid: dx=10mm, dy=10mm

Reference Value = 11.2 V/m

Power Drift = 0.01 dB

Maximum value of SAR = 1.08 mW/g

HSTN H-C01C/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

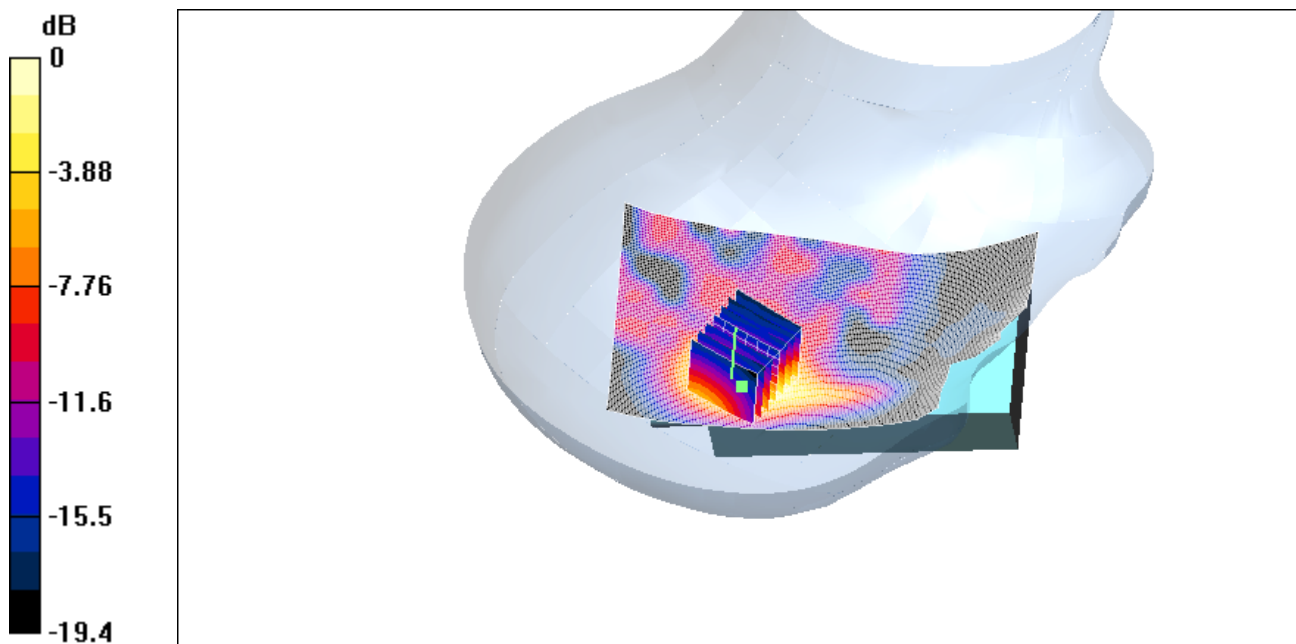
Peak SAR (extrapolated) = 2.09 W/kg

SAR(1 g) = 0.964 mW/g; SAR(10 g) = 0.44 mW/g

Reference Value = 11.2 V/m

Power Drift = 0.01 dB

Maximum value of SAR = 1.07 mW/g



0 dB = 1.07mW/g

Test Laboratory: ELECTRONIC TECHNOLOGY SYSTEMS DR. GENZ GMBH

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

1900_right_ch661_tilted

DUT: PDA with Quad-Band GPRS/GSM+Wlan+BT; Type: -; Serial: HSTN H-C01C

Program: PCS 1900

Communication System: PCS1900; 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

HSTN H-C01C/Area Scan (91x161x1): Measurement grid: dx=10mm, dy=10mm

Reference Value = 14 V/m

Power Drift = 0.02 dB

Maximum value of SAR = 1.2 mW/g

HSTN H-C01C/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

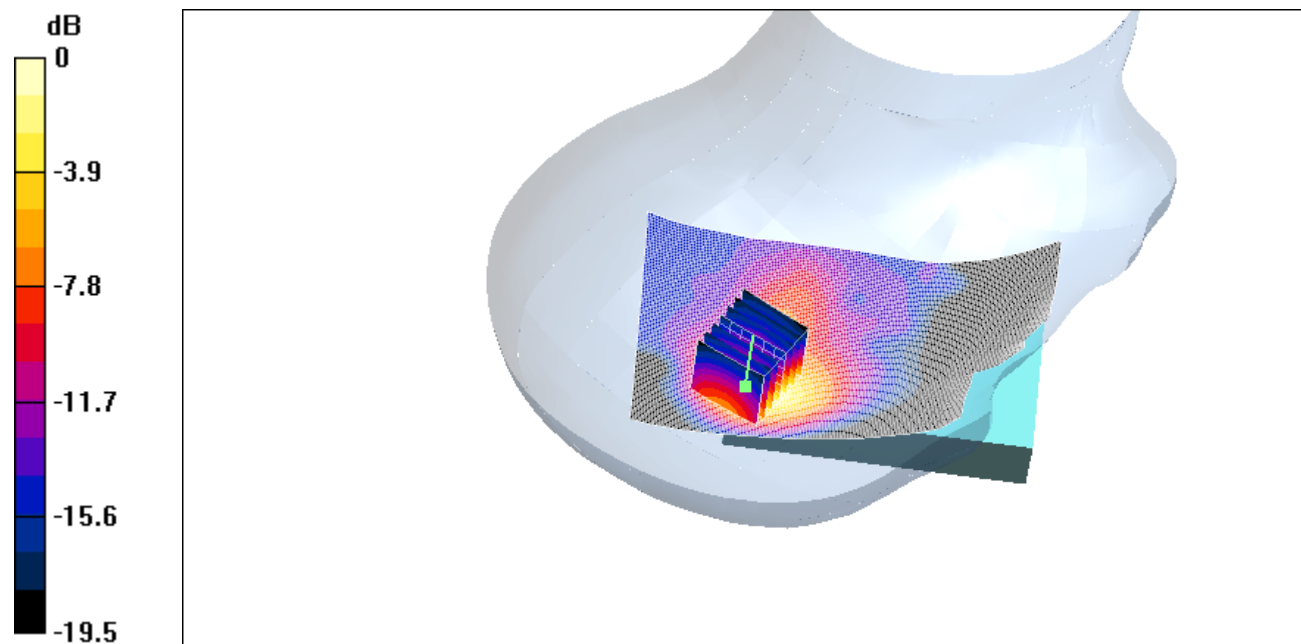
Peak SAR (extrapolated) = 2.19 W/kg

SAR(1 g) = 1.07 mW/g; SAR(10 g) = 0.485 mW/g

Reference Value = 14 V/m

Power Drift = 0.02 dB

Maximum value of SAR = 1.23 mW/g



0 dB = 1.23mW/g

Test Laboratory: ELECTRONIC TECHNOLOGY SYSTEMS DR. GENZ GMBH

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

1900_right_ch810_cheek

DUT: PDA with Quad-Band GPRS/GSM+Wlan+BT; Type: -; Serial: HSTN H-C01C

Program: PCS 1900

Communication System: PCS1900; 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

HSTN H-C01C/Area Scan (91x161x1): Measurement grid: dx=10mm, dy=10mm

Reference Value = 12.5 V/m

Power Drift = -0.01 dB

Maximum value of SAR = 0.998 mW/g

HSTN H-C01C/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

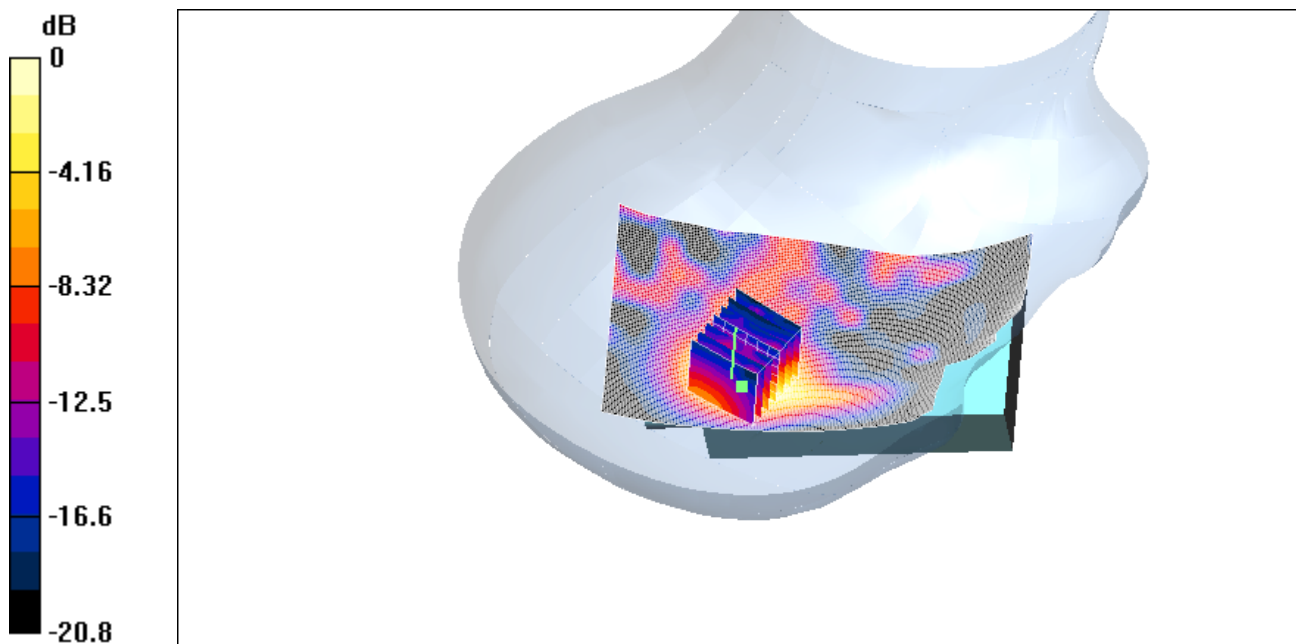
Peak SAR (extrapolated) = 2 W/kg

SAR(1 g) = 0.86 mW/g; SAR(10 g) = 0.374 mW/g

Reference Value = 12.5 V/m

Power Drift = -0.01 dB

Maximum value of SAR = 0.985 mW/g



0 dB = 0.985mW/g

Test Laboratory: ELECTRONIC TECHNOLOGY SYSTEMS DR. GENZ GMBH

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

1900_right_ch810_tilted

DUT: PDA with Quad-Band GPRS/GSM+Wlan+BT; Type: -; Serial: HSTN H-C01C

Program: PCS 1900

Communication System: PCS1900; 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

HSTN H-C01C/Area Scan (91x161x1): Measurement grid: dx=10mm, dy=10mm

Reference Value = 13.8 V/m

Power Drift = -0.08 dB

Maximum value of SAR = 1.14 mW/g

HSTN H-C01C/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

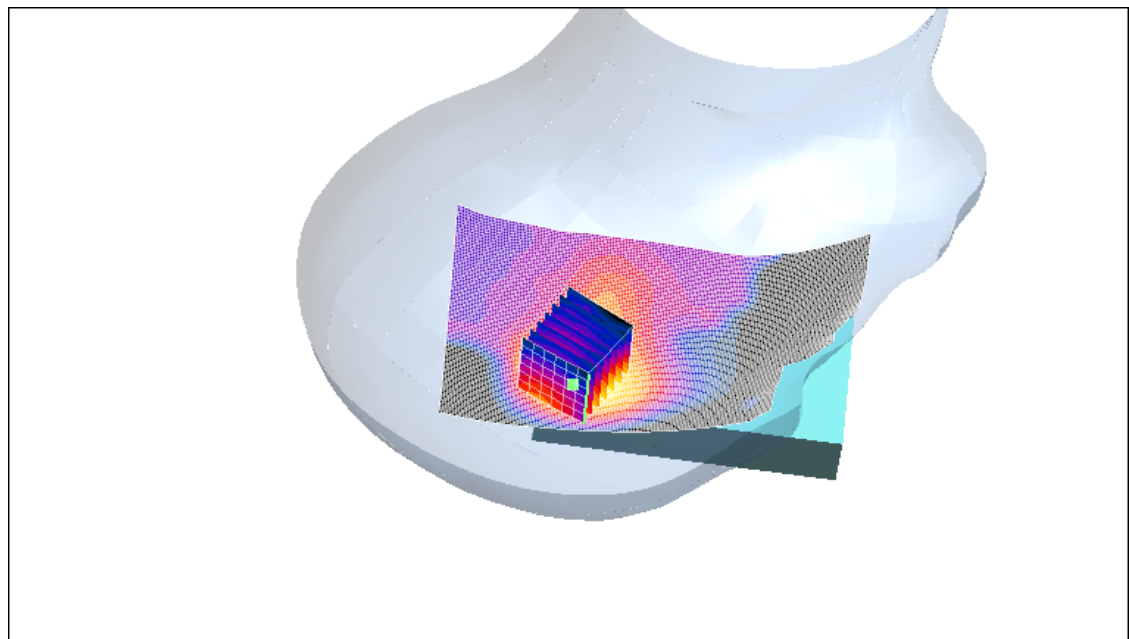
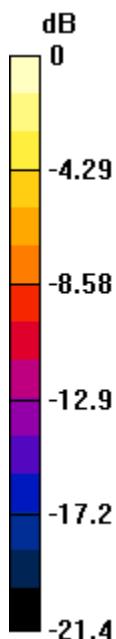
Peak SAR (extrapolated) = 2.16 W/kg

SAR(1 g) = 1.01 mW/g; SAR(10 g) = 0.434 mW/g

Reference Value = 13.8 V/m

Power Drift = -0.08 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_left_ch512_cheek.da4](#)

1900_left_ch512_cheek

DUT: PDA with Quad-Band GPRS/GSM+Wlan+BT; Type: -; Serial: HSTN H-C01C

Program: PCS 1900

Communication System: PCS1900; 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

HSTN H-C01C/Area Scan (91x161x1): Measurement grid: dx=10mm, dy=10mm

Reference Value = 11.8 V/m

Power Drift = -0.05 dB

Maximum value of SAR = 0.492 mW/g

HSTN H-C01C/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

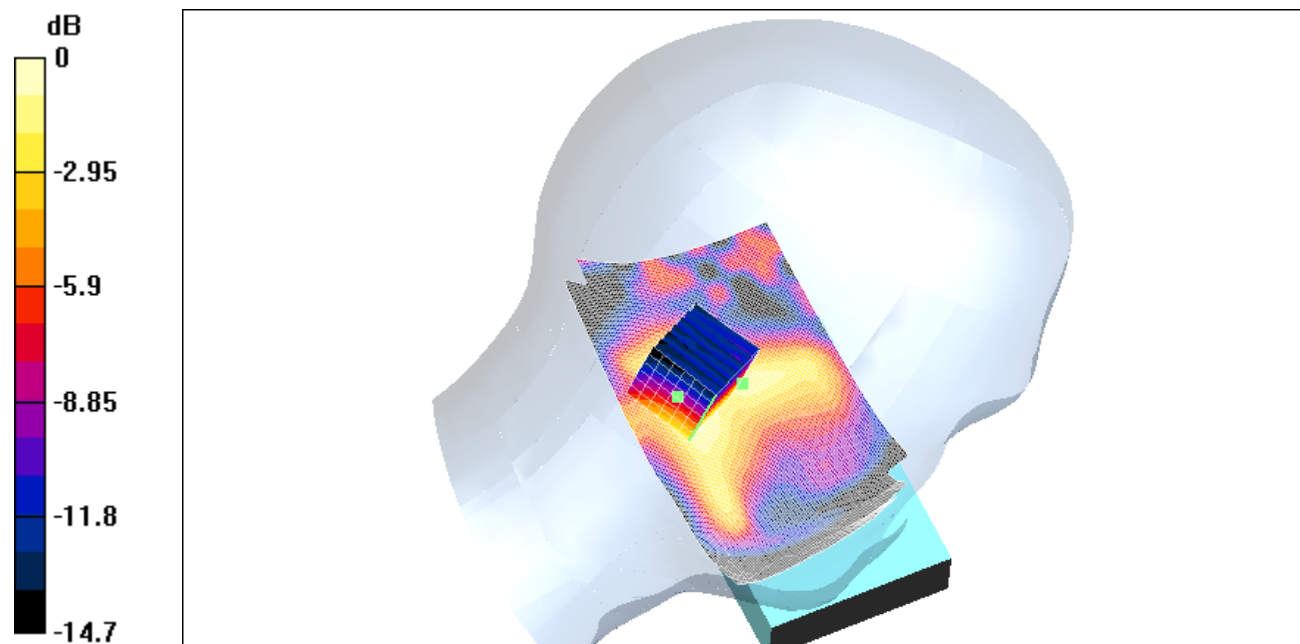
Peak SAR (extrapolated) = 0.803 W/kg

SAR(1 g) = 0.446 mW/g; SAR(10 g) = 0.235 mW/g

Reference Value = 11.8 V/m

Power Drift = -0.05 dB

Maximum value of SAR = 0.499 mW/g



0 dB = 0.419mW/g

Test Laboratory: ELECTRONIC TECHNOLOGY SYSTEMS DR. GENZ GMBH

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

1900_left_ch661_cheek

DUT: PDA with Quad-Band GPRS/GSM+Wlan+BT; Type: -; Serial: HSTN H-C01C

Program: PCS 1900

Communication System: PCS1900; 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

HSTN H-C01C/Area Scan (91x161x1): Measurement grid: dx=10mm, dy=10mm

Reference Value = 11.8 V/m

Power Drift = 0.04 dB

Maximum value of SAR = 0.473 mW/g

HSTN H-C01C/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

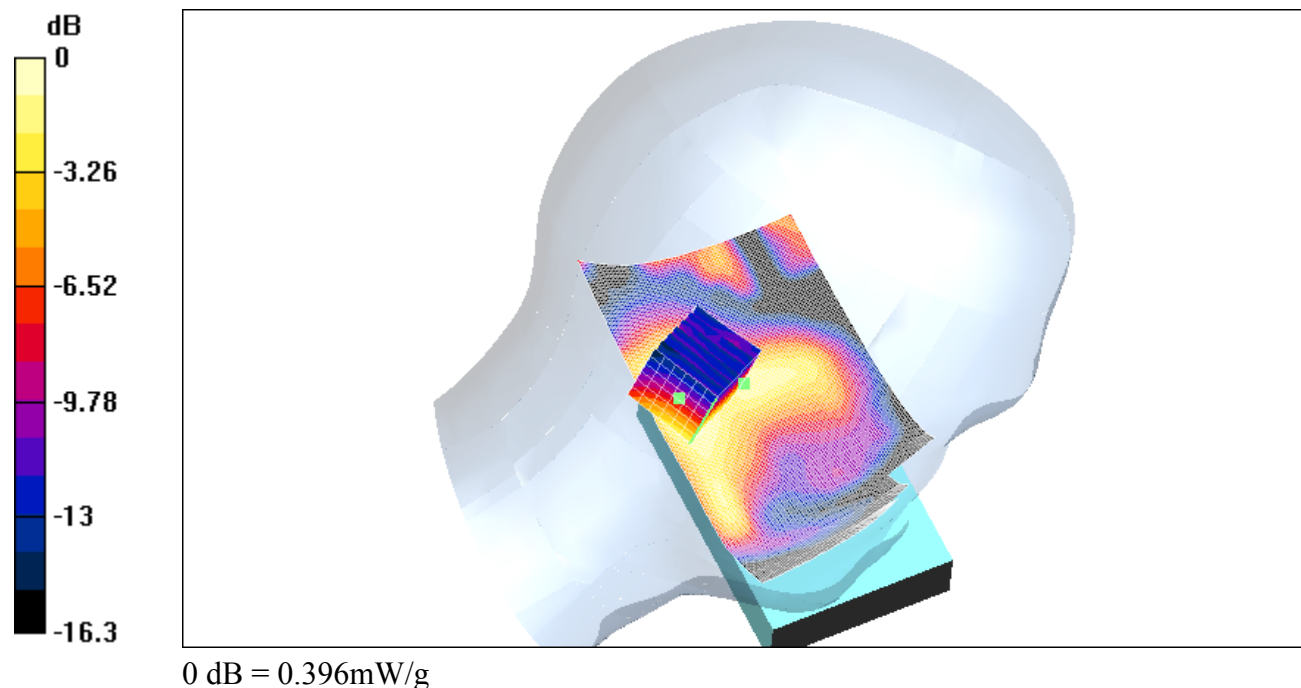
Peak SAR (extrapolated) = 0.79 W/kg

SAR(1 g) = 0.431 mW/g; SAR(10 g) = 0.223 mW/g

Reference Value = 11.8 V/m

Power Drift = 0.04 dB

Maximum value of SAR = 0.478 mW/g



Test Laboratory: ELECTRONIC TECHNOLOGY SYSTEMS DR. GENZ GMBH

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

1900_left_ch661_tilted

DUT: PDA with Quad-Band GPRS/GSM+Wlan+BT; Type: -; Serial: HSTN H-C01C

Program: PCS 1900

Communication System: PCS1900; 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

HSTN H-C01C/Area Scan (91x161x1): Measurement grid: dx=10mm, dy=10mm

Reference Value = 13.6 V/m

Power Drift = 0.03 dB

Maximum value of SAR = 0.568 mW/g

HSTN H-C01C/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

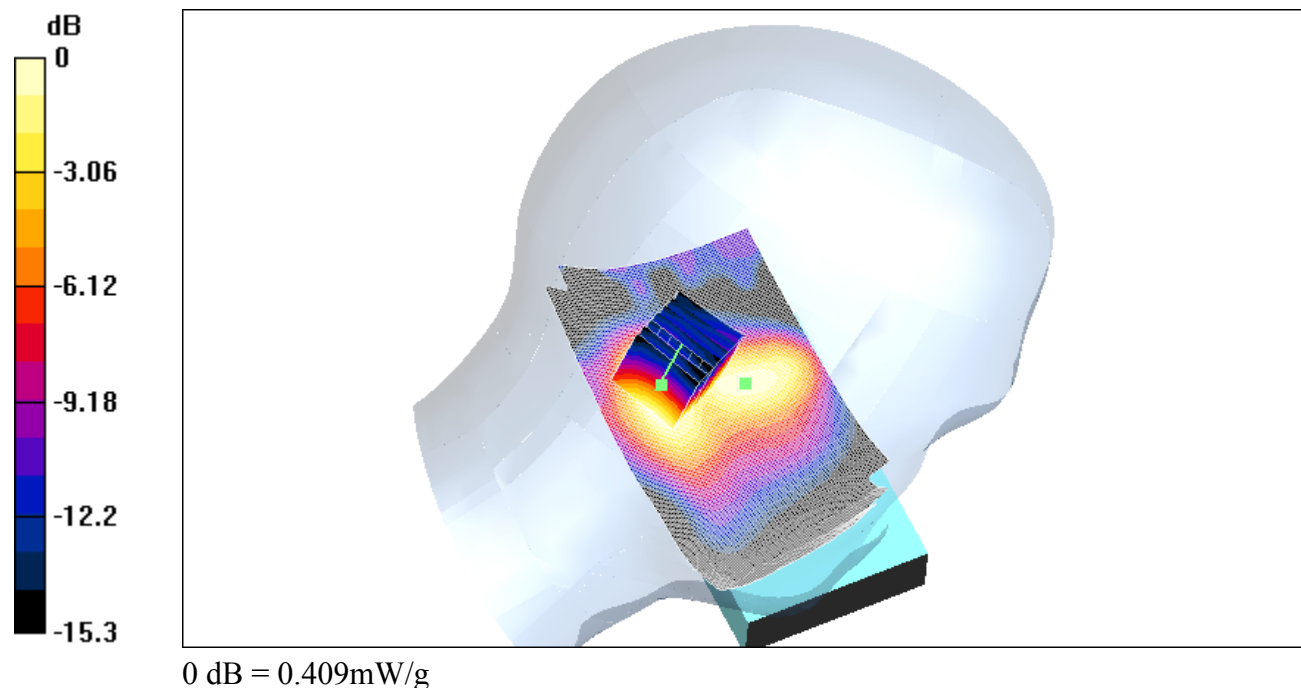
Peak SAR (extrapolated) = 0.908 W/kg

SAR(1 g) = 0.52 mW/g; SAR(10 g) = 0.265 mW/g

Reference Value = 13.6 V/m

Power Drift = 0.03 dB

Maximum value of SAR = 0.576 mW/g



Test Laboratory: ELECTRONIC TECHNOLOGY SYSTEMS DR. GENZ GMBH

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

1900_flat_ch512_front

DUT: PDA with Quad-Band GPRS/GSM+Wlan+BT; Type: -; Serial: HSTN H-C01C

Program: PCS 1900

Communication System: PCS1900; Frequency: 1850.2 MHz; Duty Cycle: 1:8

Medium: Muscle 1900 MHz ($\sigma = 1.5128$ mho/m, $\epsilon_r = 51.9802$, $\rho = 1000$ 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

HSTN H-C01C/Area Scan (91x141x1): Measurement grid: dx=10mm, dy=10mm

Reference Value = 8.67 V/m

Power Drift = 0.06 dB

Maximum value of SAR = 0.151 mW/g

HSTN H-C01C/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

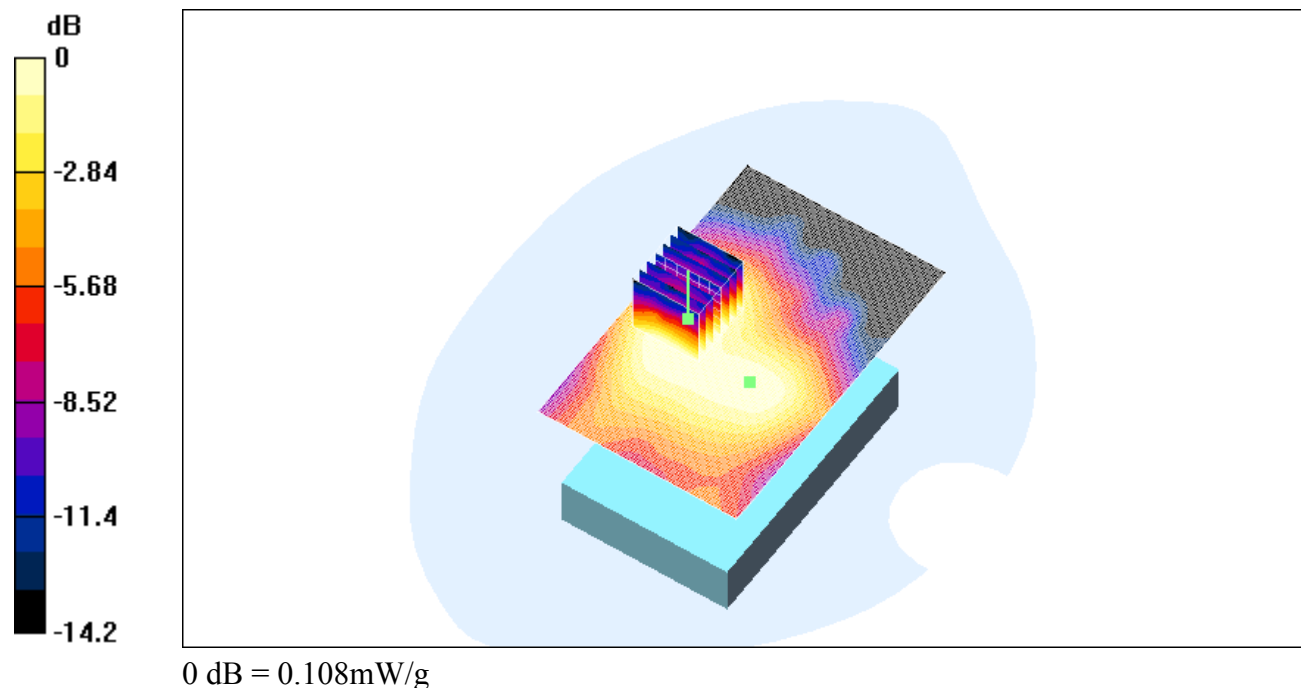
Peak SAR (extrapolated) = 0.236 W/kg

SAR(1 g) = 0.139 mW/g; SAR(10 g) = 0.0808 mW/g

Reference Value = 8.67 V/m

Power Drift = 0.06 dB

Maximum value of SAR = 0.153 mW/g



Test Laboratory: ELECTRONIC TECHNOLOGY SYSTEMS DR. GENZ GMBH

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

1900_flat_ch661_front

DUT: PDA with Quad-Band GPRS/GSM+Wlan+BT; Type: -; Serial: HSTN H-C01C

Program: PCS 1900

Communication System: PCS1900; Frequency: 1880 MHz; Duty Cycle: 1:8

Medium: Muscle 1900 MHz ($\sigma = 1.55213$ mho/m, $\epsilon_r = 51.8513$, $\rho = 1000$ 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

HSTN H-C01C/Area Scan (91x141x1): Measurement grid: dx=10mm, dy=10mm

Reference Value = 7.86 V/m

Power Drift = -0.01 dB

Maximum value of SAR = 0.178 mW/g

HSTN H-C01C/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

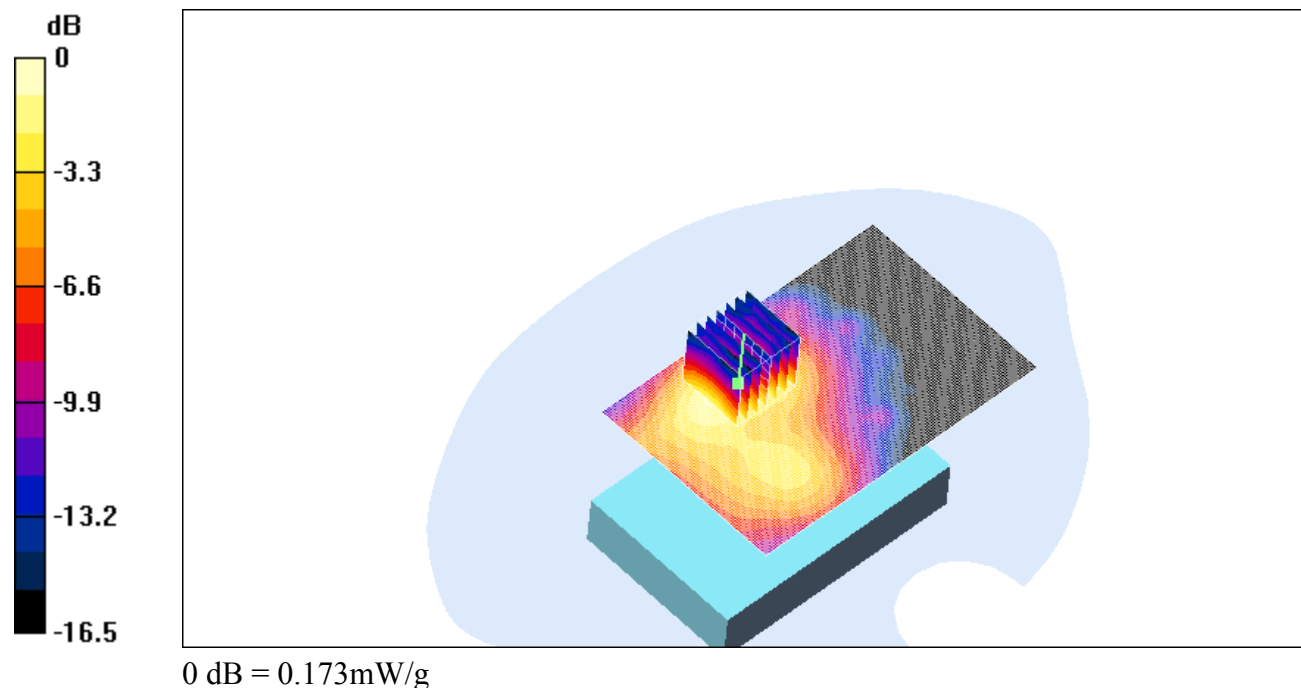
Peak SAR (extrapolated) = 0.29 W/kg

SAR(1 g) = 0.161 mW/g; SAR(10 g) = 0.0883 mW/g

Reference Value = 7.86 V/m

Power Drift = -0.01 dB

Maximum value of SAR = 0.173 mW/g



Test Laboratory: ELECTRONIC TECHNOLOGY SYSTEMS DR. GENZ GMBH

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

1900_flat_ch661_back

DUT: PDA with Quad-Band GPRS/GSM+Wlan+BT; Type: -; Serial: HSTN H-C01C

Program: PCS 1900

Communication System: PCS1900; Frequency: 1880 MHz; Duty Cycle: 1:8

Medium: Muscle 1900 MHz ($\sigma = 1.55213$ mho/m, $\epsilon_r = 51.8513$, $\rho = 1000$ 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

HSTN H-C01C/Area Scan (91x141x1): Measurement grid: dx=10mm, dy=10mm

Reference Value = 5.02 V/m

Power Drift = 0.009 dB

Maximum value of SAR = 0.06 mW/g

HSTN H-C01C/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

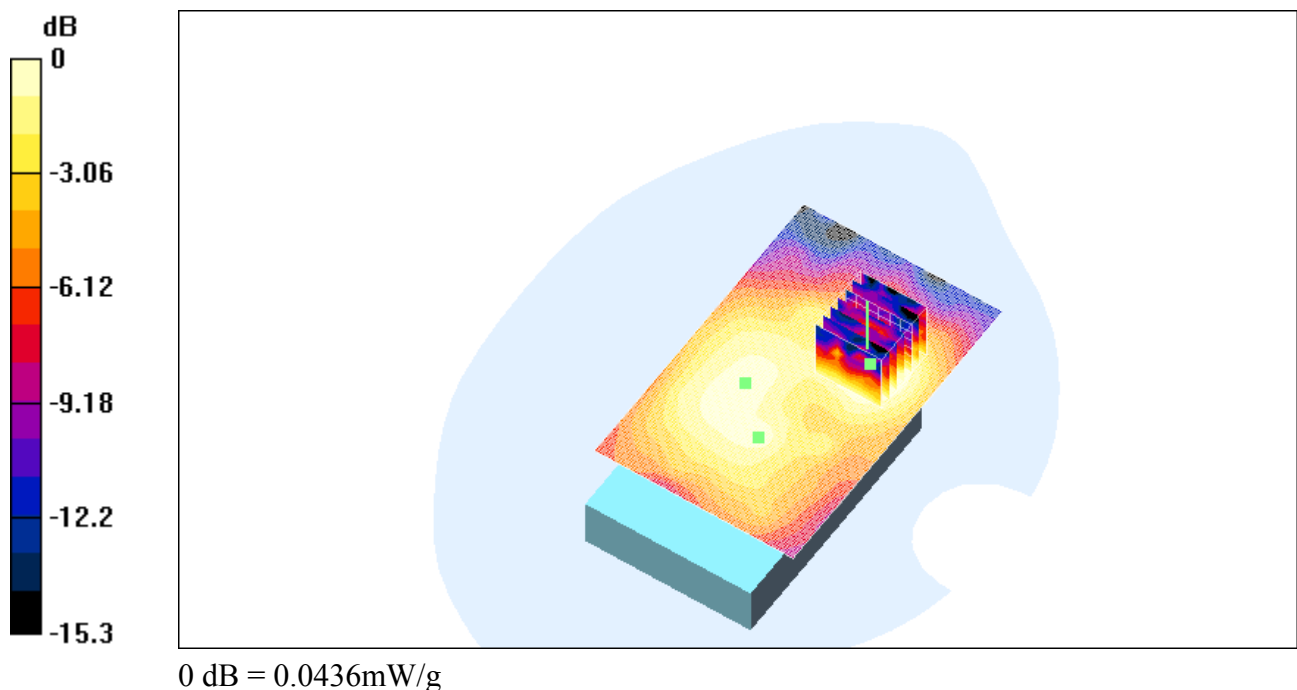
Peak SAR (extrapolated) = 0.106 W/kg

SAR(1 g) = 0.055 mW/g; SAR(10 g) = 0.0317 mW/g

Reference Value = 5.02 V/m

Power Drift = 0.009 dB

Maximum value of SAR = 0.0636 mW/g



Test Laboratory: ELECTRONIC TECHNOLOGY SYSTEMS DR. GENZ GMBH

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

1900_flat_ch810_front

DUT: PDA with Quad-Band GPRS/GSM+Wlan+BT; Type: -; Serial: HSTN H-C01C

Program: PCS 1900

Communication System: PCS1900; Frequency: 1909.8 MHz; Duty Cycle: 1:8

Medium: Muscle 1900 MHz ($\sigma = 1.58876$ mho/m, $\epsilon_r = 51.863$, $\rho = 1000$ 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

HSTN H-C01C/Area Scan (91x141x1): Measurement grid: dx=10mm, dy=10mm

Reference Value = 5.85 V/m

Power Drift = 0.06 dB

Maximum value of SAR = 0.0889 mW/g

HSTN H-C01C/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

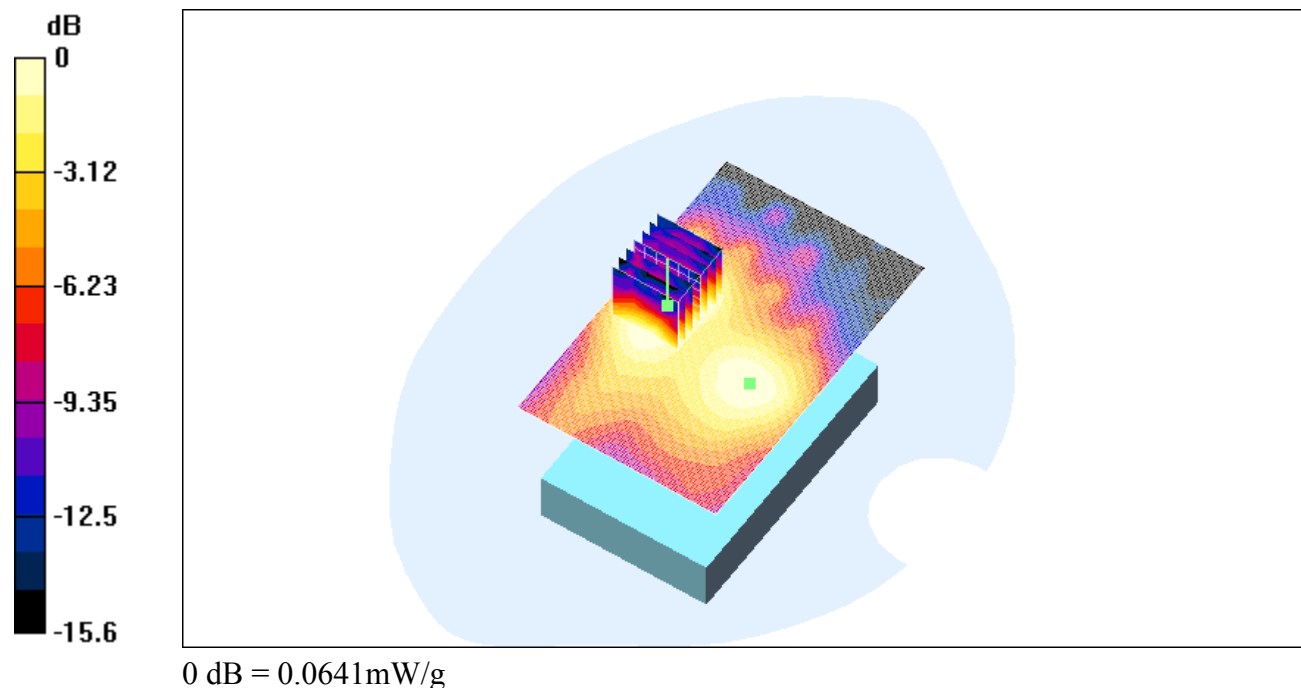
Peak SAR (extrapolated) = 0.139 W/kg

SAR(1 g) = 0.0815 mW/g; SAR(10 g) = 0.0445 mW/g

Reference Value = 5.85 V/m

Power Drift = 0.06 dB

Maximum value of SAR = 0.0894 mW/g



Test Laboratory: ELECTRONIC TECHNOLOGY SYSTEMS DR. GENZ GMBH

File Name: [1900_flat_ch661_tasche.da4](#)

1900_flat_ch661_tasche

DUT: PDA with Quad-Band GPRS/GSM+Wlan+BT; Type: -; Serial: HSTN H-C01C

Program: PCS 1900

Communication System: PCS1900; Frequency: 1880 MHz; Duty Cycle: 1:8

Medium: Muscle 1900 MHz ($\sigma = 1.55213$ mho/m, $\epsilon_r = 51.8513$, $\rho = 1000$ 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

HSTN H-C01C/Area Scan (91x141x1): Measurement grid: dx=10mm, dy=10mm

Reference Value = 4.14 V/m

Power Drift = -0.02 dB

Maximum value of SAR = 0.265 mW/g

HSTN H-C01C/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

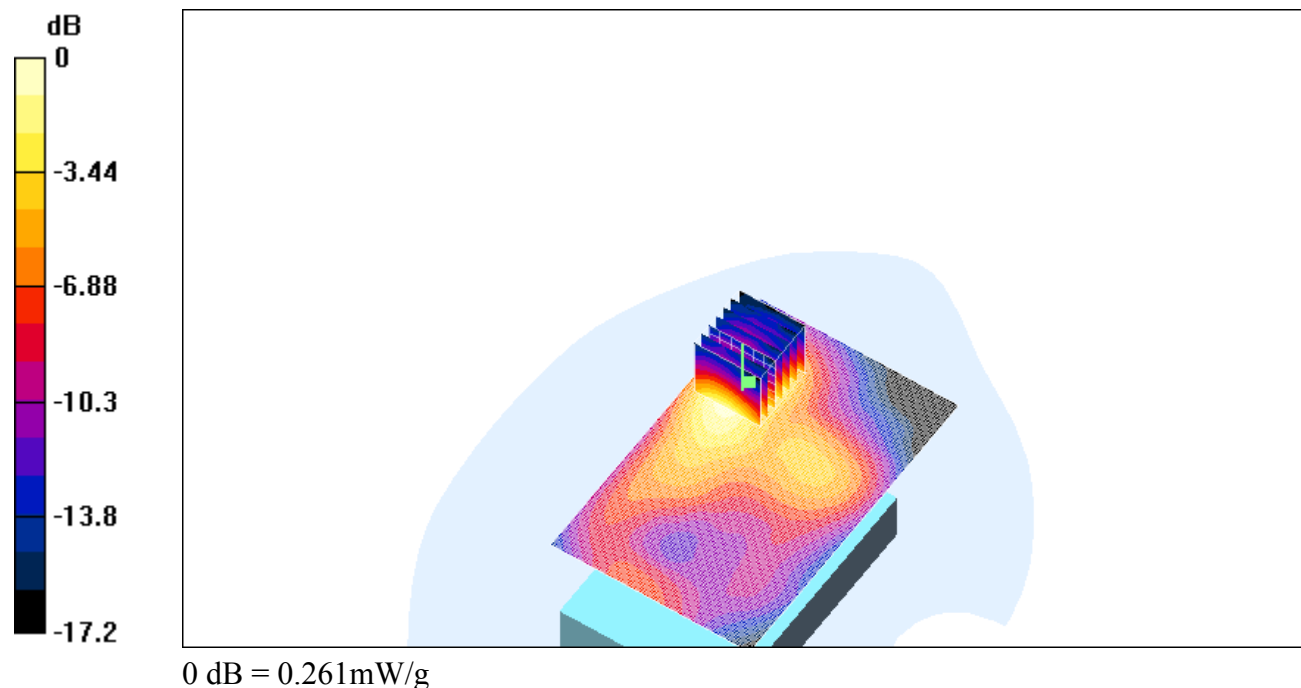
Peak SAR (extrapolated) = 0.445 W/kg

SAR(1 g) = 0.241 mW/g; SAR(10 g) = 0.127 mW/g

Reference Value = 4.14 V/m

Power Drift = -0.02 dB

Maximum value of SAR = 0.261 mW/g



Test Laboratory: ELECTRONIC TECHNOLOGY SYSTEMS DR. GENZ GMBH

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

1900_right_ch512_tilted

DUT: PDA with Quad-Band GPRS/GSM+Wlan+BT; Type: -; Serial: HSTN H-C01C

Program: PCS 1900

Communication System: PCS1900; 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

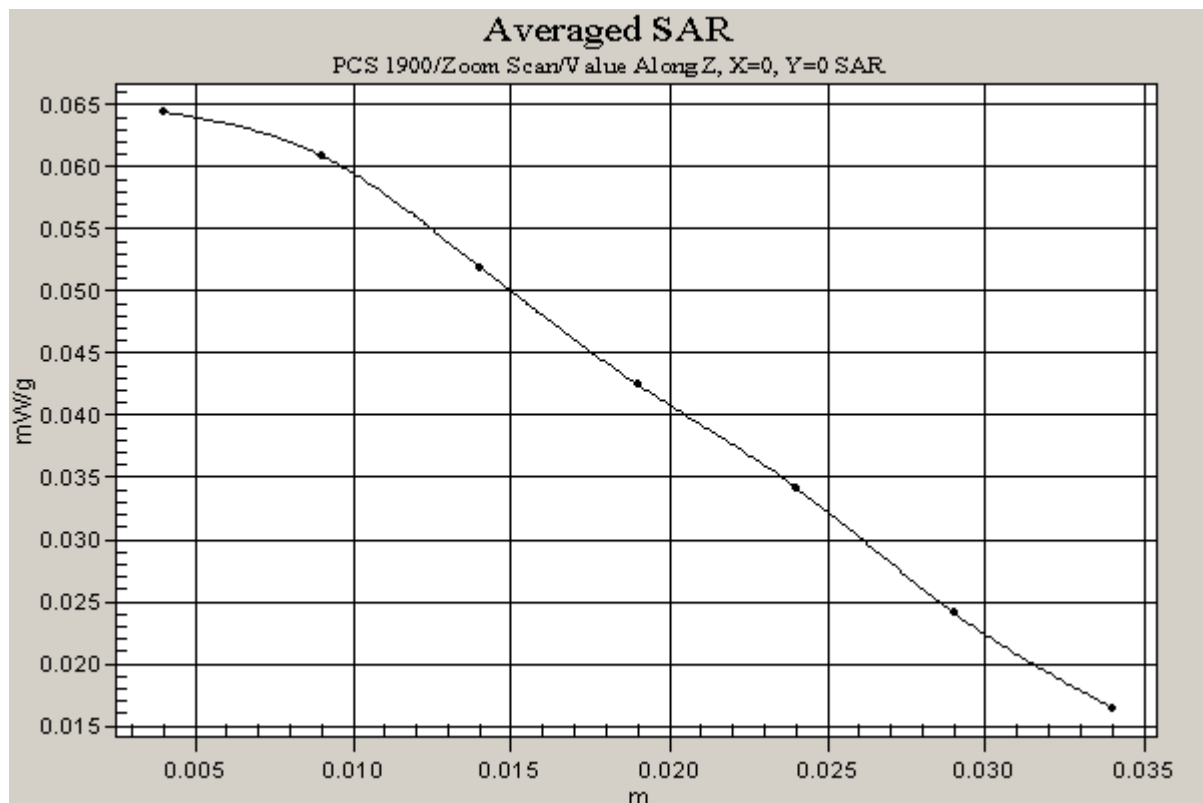
DASY4 Configuration:

- 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

HSTN H-C01C/Area Scan (91x161x1): Measurement grid: dx=10mm, dy=10mm

Reference Value = 11.2 V/m

Power Drift = -0.09 dB



Appendix C

Pictures

Appendix

A. Pictures

















