

Appendix B

Measurement Plots

Test Laboratory: ELECTRONIC TECHNOLOGY SYSTEMS DR. GENZ GMBH

File Name: [Dipol Valid.900\(h\)_250mW_9.10.03.da4](#)

Dipol Valid.900(h)_250mW_9.10.03

DUT: Dipole 900 MHz; Type: SA AAD 090 BA; Serial: 164

Program: Dipol Valid 900

Communication System: CW; Frequency: 900 MHz; Duty Cycle: 1:1

Medium: Head 900 MHz ($\sigma = 0.936426$ mho/m, $\epsilon_r = 41.4512$, $\rho = 1000$ kg/m³)

Phantom section: Flat Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1711; ConvF(6.4, 6.4, 6.4); Calibrated: Probe not calibrated
- 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 900 (250mW)/Area Scan (51x81x1): Measurement grid: dx=15mm, dy=15mm

Reference Value = 55.1 V/m

Power Drift = 0.03 dB

Maximum value of SAR = 2.62 mW/g

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

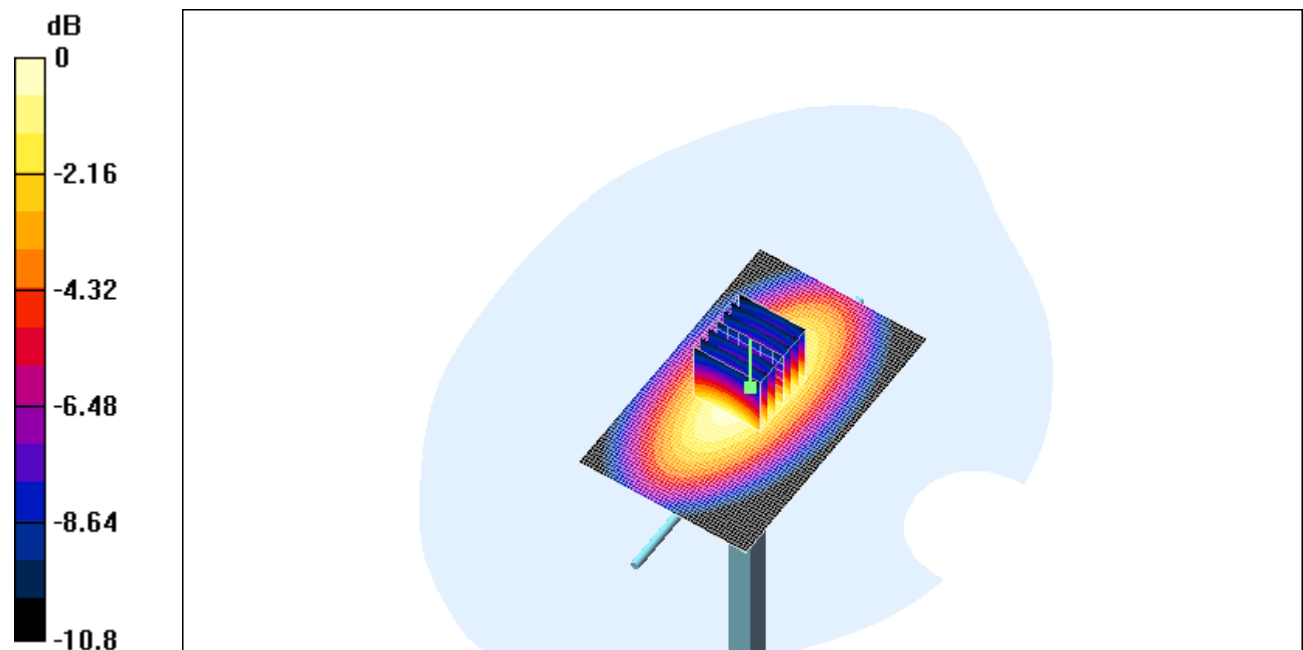
Peak SAR (extrapolated) = 3.64 W/kg

SAR(1 g) = 2.51 mW/g; SAR(10 g) = 1.7 mW/g

Reference Value = 55.1 V/m

Power Drift = 0.03 dB

Maximum value of SAR = 2.65 mW/g



0 dB = 2.65mW/g

Test Laboratory: ELECTRONIC TECHNOLOGY SYSTEMS DR. GENZ GMBH

File Name: [Dipol Valid.900\(h\)_250mW_10.10.03.da4](#)

Dipol Valid.900(h)_250mW_10.10.03

DUT: Dipole 900 MHz; Type: SA AAD 090 BA; Serial: 164

Program: Dipol Valid 900

Communication System: CW; Frequency: 900 MHz; Duty Cycle: 1:1

Medium: Head 900 MHz ($\sigma = 0.936426$ mho/m, $\epsilon_r = 41.4512$, $\rho = 1000$ kg/m³)

Phantom section: Flat Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1711; ConvF(6.4, 6.4, 6.4); Calibrated: Probe not calibrated
- 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 900 (250mW)/Area Scan (51x81x1): Measurement grid: dx=15mm, dy=15mm

Reference Value = 54.9 V/m

Power Drift = 0.02 dB

Maximum value of SAR = 2.59 mW/g

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

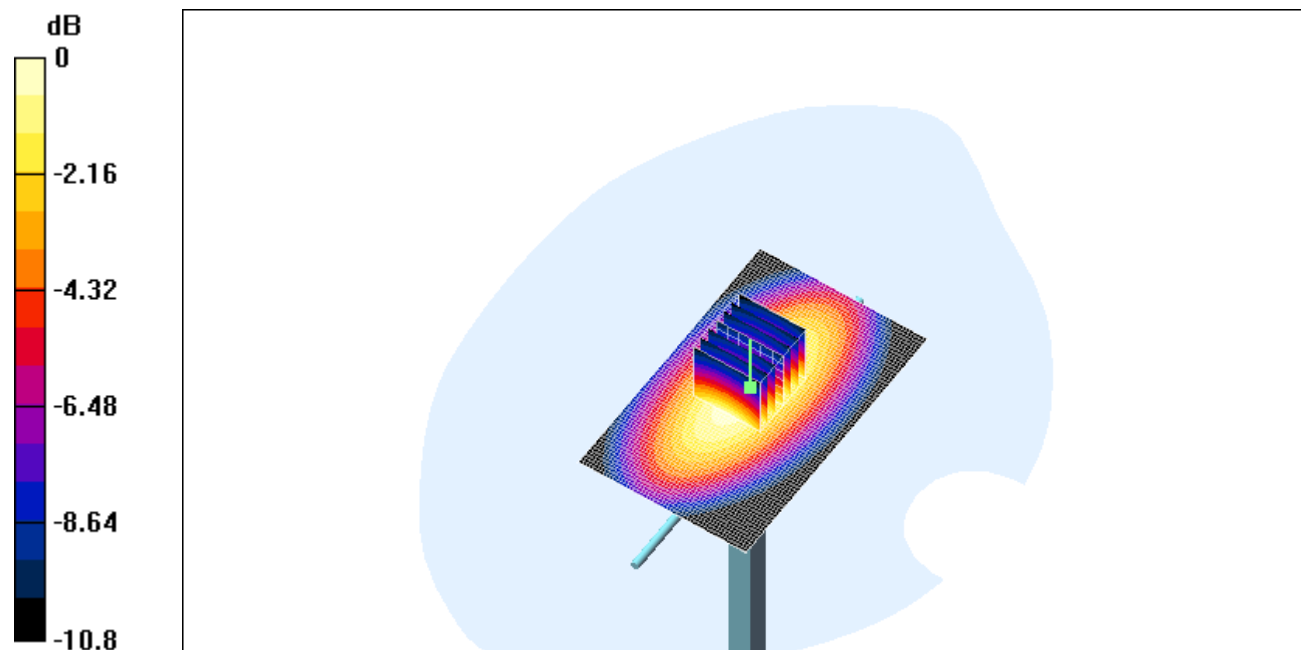
Peak SAR (extrapolated) = 3.64 W/kg

SAR(1 g) = 2.47 mW/g; SAR(10 g) = 1.6 mW/g

Reference Value = 54.9 V/m

Power Drift = 0.02 dB

Maximum value of SAR = 2.63 mW/g



0 dB = 2.63mW/g

Test Laboratory: ELECTRONIC TECHNOLOGY SYSTEMS DR. GENZ GMBH

File Name: [Dipol_Valid.1900\(h\)_250mW_15.10.03.da4](#)

Dipol_Valid.1900(h)_250mW_15.10.03

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 = 92.4 V/m

Power Drift = 0.04 dB

Maximum value of SAR = 12.6 mW/g

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

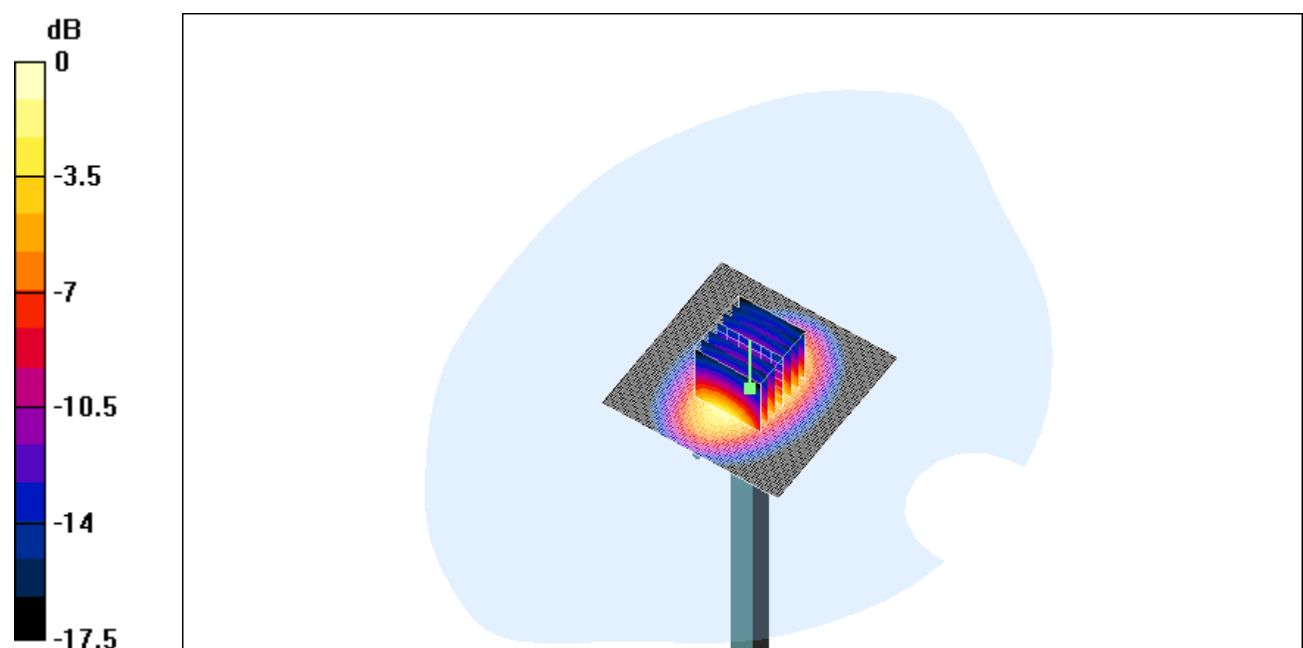
Peak SAR (extrapolated) = 14.3 W/kg

SAR(1 g) = 10.3 mW/g; SAR(10 g) = 5.16 mW/g

Reference Value = 92.4 V/m

Power Drift = 0.04 dB

Maximum value of SAR = 12.6 mW/g



0 dB = 12.6mW/g

Test Laboratory: ELECTRONIC TECHNOLOGY SYSTEMS DR. GENZ GMBH

File Name: [Dipol Valid.1900\(m\)_250mW_16.10.03.da4](#)

Dipol Valid.1900(m)_250mW_16.10.03

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 ($\sigma = 1.58$ mho/m, $\epsilon_r = 51.02$, $\rho = 1000$ 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 = 93.3 V/m

Power Drift = -0.06 dB

Maximum value of SAR = 12.2 mW/g

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

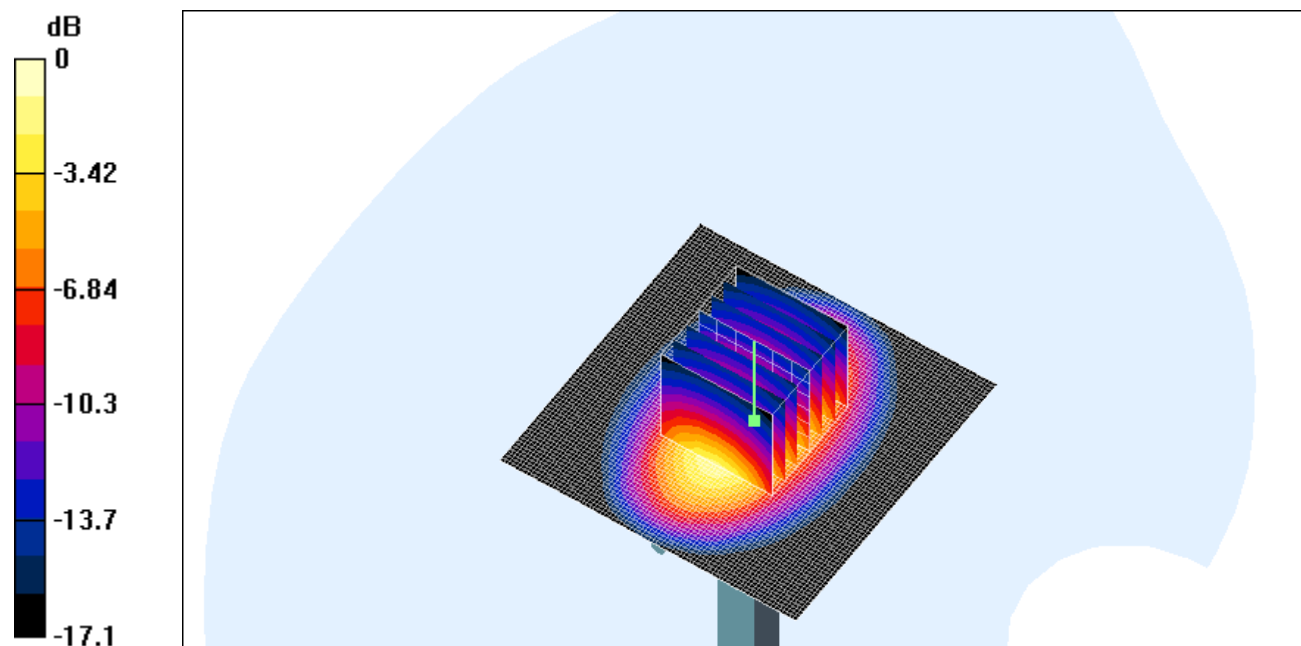
Peak SAR (extrapolated) = 19.2 W/kg

SAR(1 g) = 10.9 mW/g; SAR(10 g) = 5.61 mW/g

Reference Value = 93.3 V/m

Power Drift = -0.06 dB

Maximum value of SAR = 12.3 mW/g



0 dB = 12.3mW/g

Test Laboratory: ELECTRONIC TECHNOLOGY SYSTEMS DR. GENZ GMBH

File Name: [Dipol Valid. 900 \(m\) 250mW_17.03.03.da4](#)

Dipol Valid. 900 (m) 250mW_17.03.03

DUT: Dipole 900 MHz; Type: D900V2; Serial: 164

Program: Dipol Valid. 900 Muscle

Communication System: CW; Frequency: 900 MHz; Duty Cycle: 1:1

Medium: Muscle 900 MHz ($\sigma = 1.03749$ mho/m, $\epsilon_r = 54.4094$, $\rho = 1000$ kg/m³)

Phantom section: Flat Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1711; ConvF(6.2, 6.2, 6.2); 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

_ (250 mW)/Area Scan (101x161x1): Measurement grid: dx=10mm, dy=10mm

Reference Value = 8.07 V/m

Power Drift = 0.04 dB

Maximum value of SAR = 2.89 mW/g

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

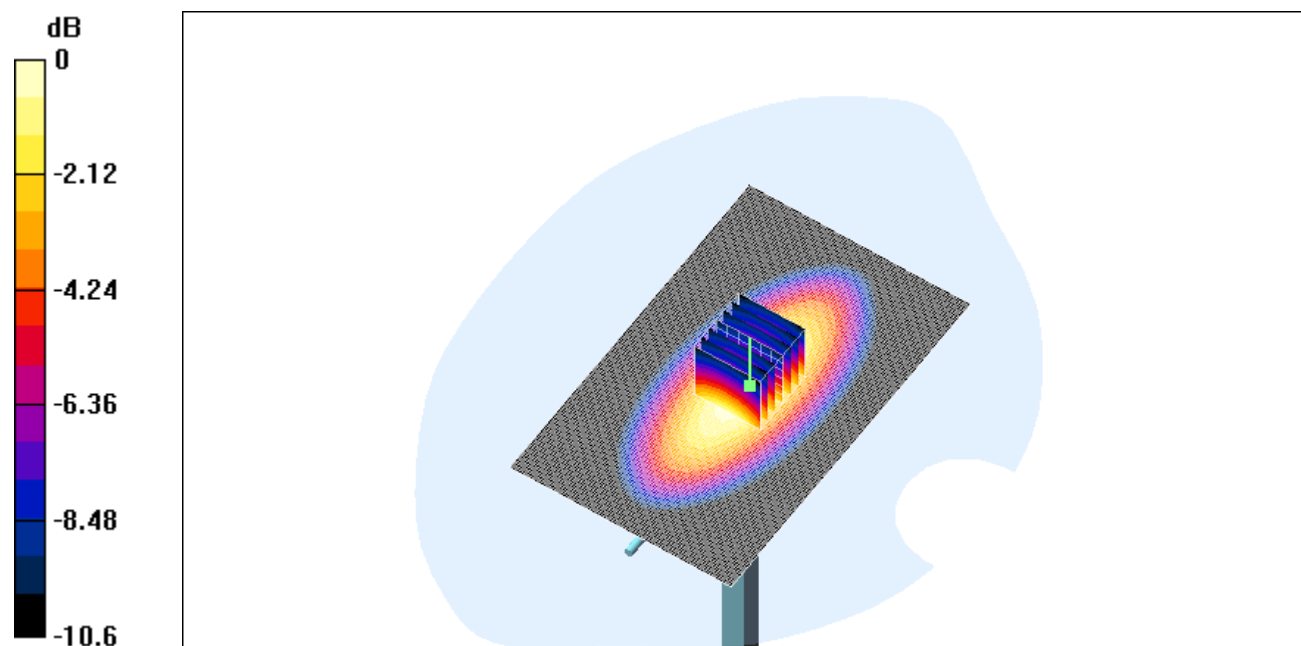
Peak SAR (extrapolated) = 3.91 W/kg

SAR(1 g) = 2.7 mW/g; SAR(10 g) = 1.74 mW/g

Reference Value = 8.07 V/m

Power Drift = 0.04 dB

Maximum value of SAR = 2.92 mW/g



0 dB = 2.92mW/g

Test Laboratory: ELECTRONIC TECHNOLOGY SYSTEMS DR. GENZ GMBH

File Name: [NXG9230_850_right_ch128_cheek.da4](#)

NXG9230_850_right_ch128_cheek

DUT: Dual Band GSM850 / PCS1900; Type: -; Serial: NXG9230

Program: GSM 850

Communication System: GSM 850; Frequency: 824.2 MHz; Duty Cycle: 1:8

Medium: Head 900 MHz ($\sigma = 0.872761$ mho/m, $\epsilon_r = 42.4129$, $\rho = 1000$ kg/m³)

Phantom section: Right Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1711; ConvF(6.4, 6.4, 6.4); 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

NXG9230/Area Scan (81x121x1): Measurement grid: dx=10mm, dy=10mm

Reference Value = 4.92 V/m

Power Drift = 0.04 dB

Maximum value of SAR = 0.637 mW/g

NXG9230/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

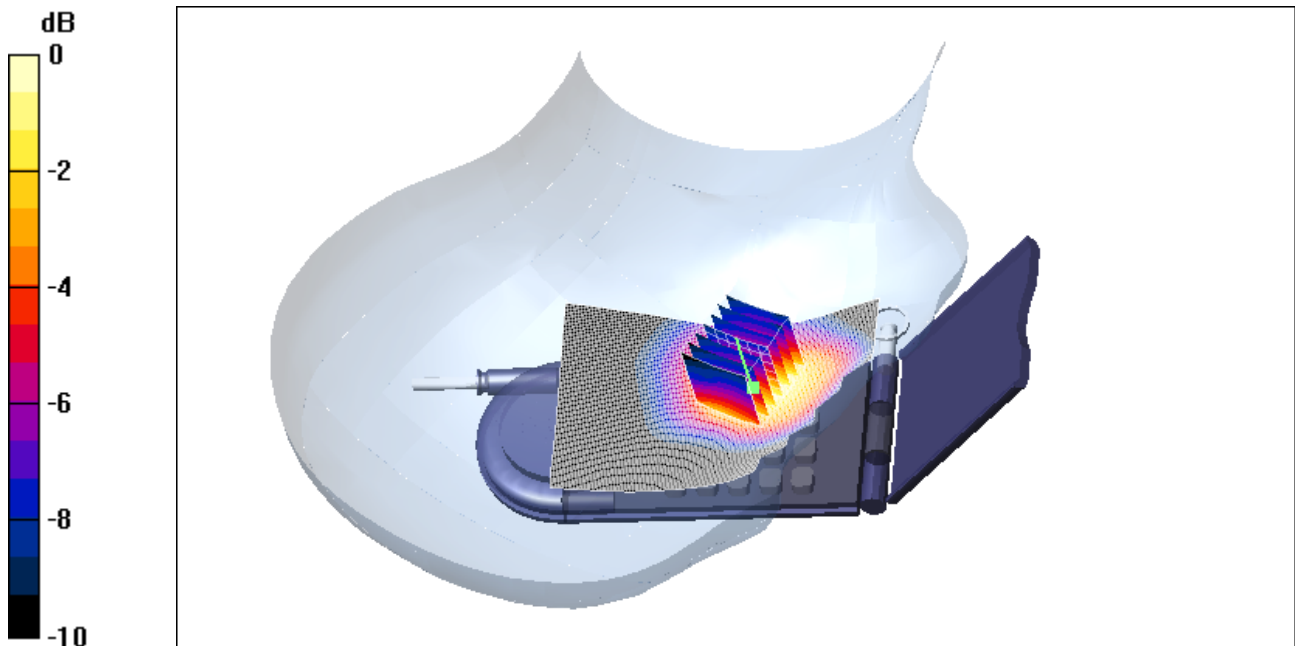
Peak SAR (extrapolated) = 0.872 W/kg

SAR(1 g) = 0.595 mW/g; SAR(10 g) = 0.385 mW/g

Reference Value = 4.92 V/m

Power Drift = 0.04 dB

Maximum value of SAR = 0.645 mW/g 0 dB = 0.645mW/g



Test Laboratory: ELECTRONIC TECHNOLOGY SYSTEMS DR. GENZ GMBH

File Name: [NXG9230_850_right_ch128_tilted.da4](#)

NXG9230_850_right_ch128_tilted

DUT: Dual Band GSM850 / PCS1900; Type: -; Serial: NXG9230

Program: GSM 850

Communication System: GSM 850; Frequency: 824.2 MHz; Duty Cycle: 1:8

Medium: Head 900 MHz ($\sigma = 0.872761$ mho/m, $\epsilon_r = 42.4129$, $\rho = 1000$ kg/m³)

Phantom section: Right Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1711; ConvF(6.4, 6.4, 6.4); 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

NXG9230/Area Scan (81x121x1): Measurement grid: dx=10mm, dy=10mm

Reference Value = 5.78 V/m

Power Drift = 0.05 dB

Maximum value of SAR = 0.105 mW/g

NXG9230/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

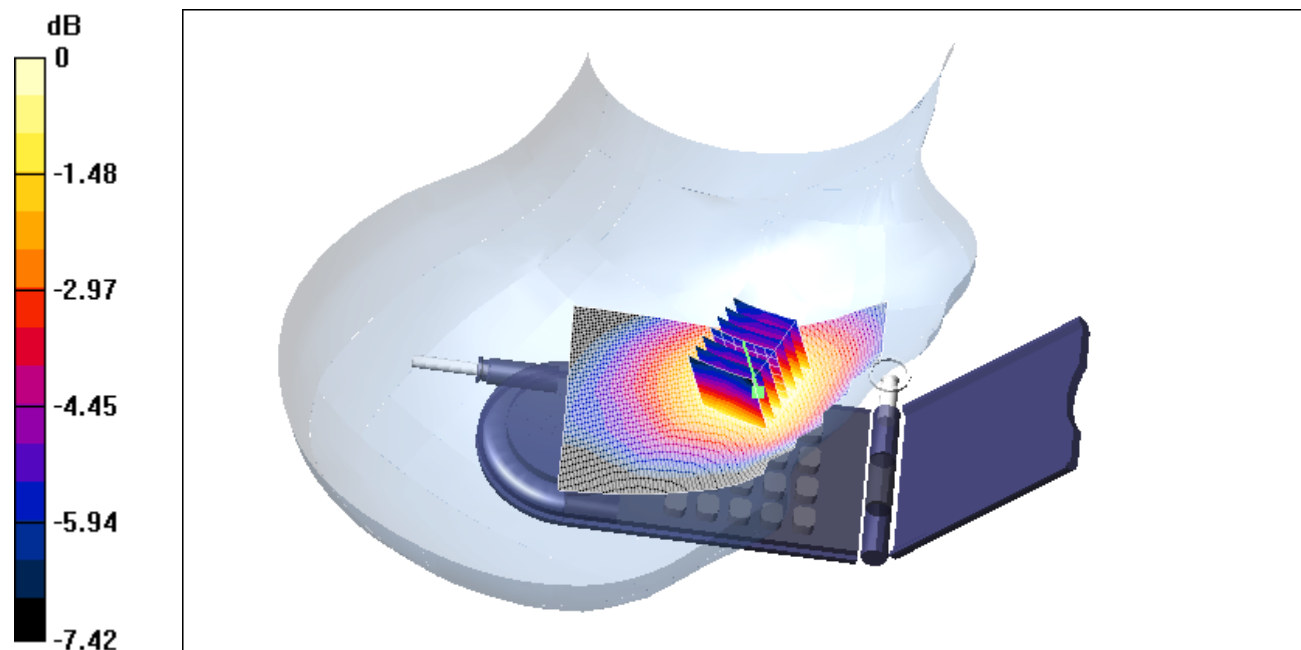
Peak SAR (extrapolated) = 0.129 W/kg

SAR(1 g) = 0.0994 mW/g; SAR(10 g) = 0.0739 mW/g

Reference Value = 5.78 V/m

Power Drift = 0.05 dB

Maximum value of SAR = 0.104 mW/g



0 dB = 0.104mW/g

Test Laboratory: ELECTRONIC TECHNOLOGY SYSTEMS DR. GENZ GMBH

File Name: [NXG9230_850_right_ch189_cheek.da4](#)

NXG9230_850_right_ch189_cheek

DUT: Dual Band GSM850 / PCS1900; Type: -; Serial: NXG9230

Program: GSM 850

Communication System: GSM 850; Frequency: 836.4 MHz; Duty Cycle: 1:8

Medium: Head 900 MHz ($\sigma = 0.891666$ mho/m, $\epsilon_r = 42.1541$, $\rho = 1000$ kg/m³)

Phantom section: Right Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1711; ConvF(6.4, 6.4, 6.4); 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

NXG9230/Area Scan (81x121x1): Measurement grid: dx=10mm, dy=10mm

Reference Value = 4.82 V/m

Power Drift = 0.06 dB

Maximum value of SAR = 0.608 mW/g

NXG9230/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

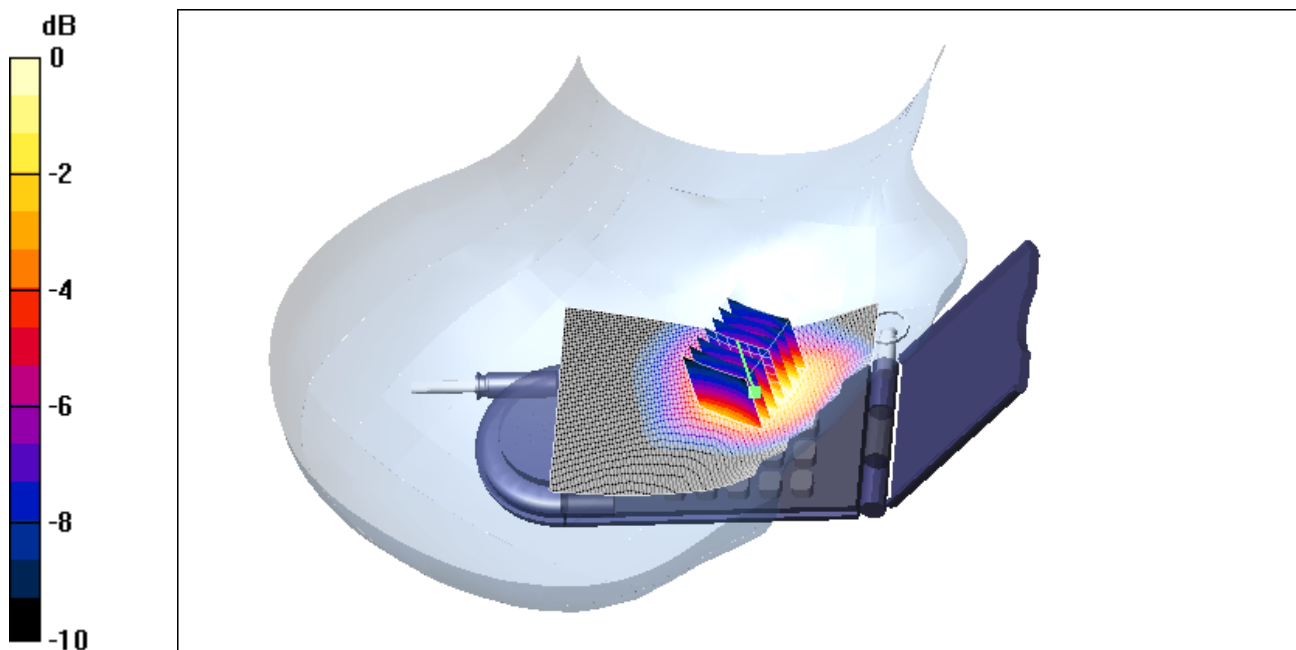
Peak SAR (extrapolated) = 0.843 W/kg

SAR(1 g) = 0.562 mW/g; SAR(10 g) = 0.365 mW/g

Reference Value = 4.82 V/m

Power Drift = 0.06 dB

Maximum value of SAR = 0.6 mW/g



0 dB = 0.6mW/g

Test Laboratory: ELECTRONIC TECHNOLOGY SYSTEMS DR. GENZ GMBH

File Name: [NXG9230_850_right_ch189_tilted.da4](#)

NXG9230_850_right_ch189_tilted

DUT: Dual Band GSM850 / PCS1900; Type: -; Serial: NXG9230

Program: GSM 850

Communication System: GSM 850; Frequency: 836.4 MHz; Duty Cycle: 1:8

Medium: Head 900 MHz ($\sigma = 0.891666 \text{ mho/m}$, $\epsilon_r = 42.1541$, $\rho = 1000 \text{ kg/m}^3$)

Phantom section: Right Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1711; ConvF(6.4, 6.4, 6.4); 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

NXG9230/Area Scan (81x121x1): Measurement grid: dx=10mm, dy=10mm

Reference Value = 5.48 V/m

Power Drift = 0.05 dB

Maximum value of SAR = 0.105 mW/g

NXG9230/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

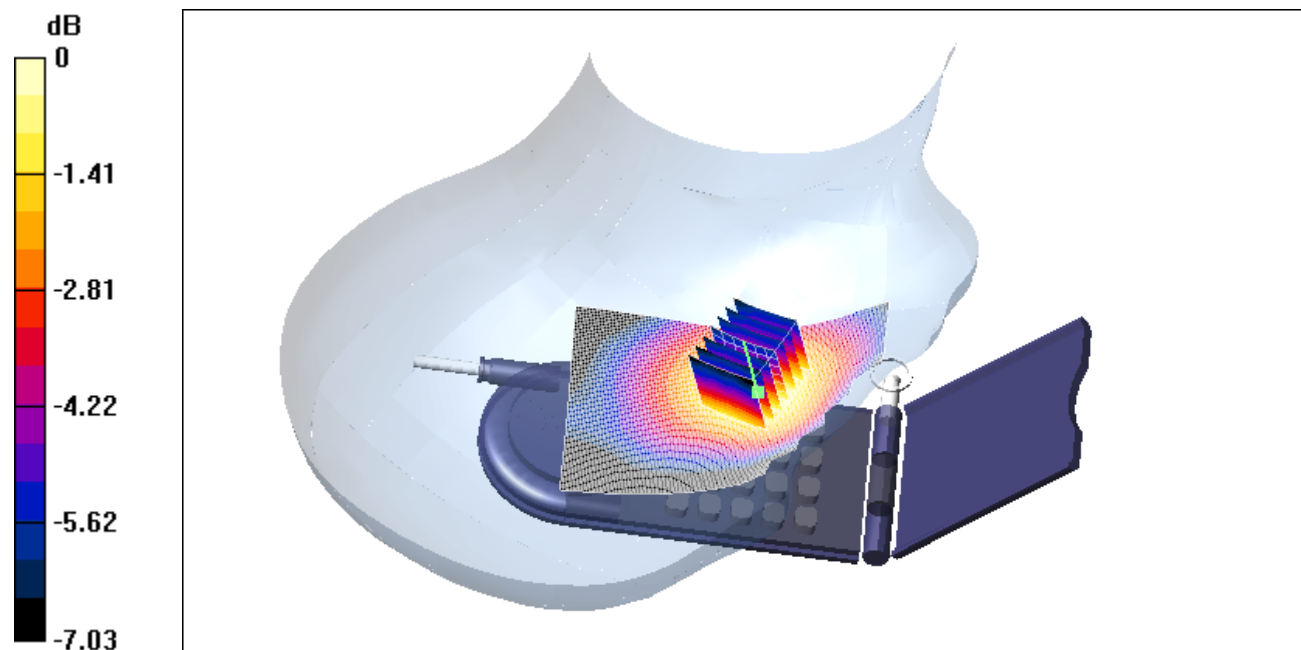
Peak SAR (extrapolated) = 0.134 W/kg

SAR(1 g) = 0.102 mW/g; SAR(10 g) = 0.0754 mW/g

Reference Value = 5.48 V/m

Power Drift = 0.05 dB

Maximum value of SAR = 0.107 mW/g



0 dB = 0.107mW/g

Test Laboratory: ELECTRONIC TECHNOLOGY SYSTEMS DR. GENZ GMBH

File Name: [NXG9230_850_right_ch251_cheek.da4](#)

NXG9230_850_right_ch251_cheek

DUT: Dual Band GSM850 / PCS1900; Type: -; Serial: NXG9230

Program: GSM 850

Communication System: GSM 850; Frequency: 848.8 MHz; Duty Cycle: 1:8

Medium: Head 900 MHz ($\sigma = 0.891666$ mho/m, $\epsilon_r = 42.1541$, $\rho = 1000$ kg/m³)

Phantom section: Right Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1711; ConvF(6.4, 6.4, 6.4); 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

NXG9230/Area Scan (81x121x1): Measurement grid: dx=10mm, dy=10mm

Reference Value = 4.81 V/m

Power Drift = 0.03 dB

Maximum value of SAR = 0.563 mW/g

NXG9230/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

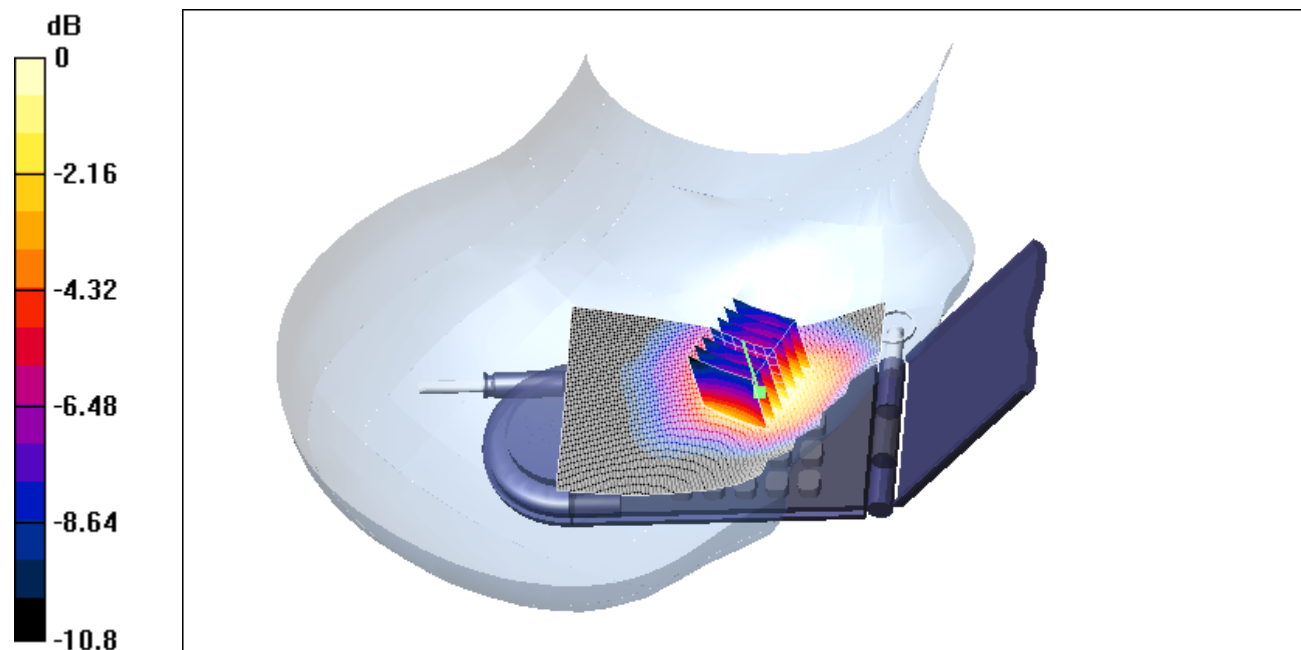
Peak SAR (extrapolated) = 0.77 W/kg

SAR(1 g) = 0.521 mW/g; SAR(10 g) = 0.337 mW/g

Reference Value = 4.81 V/m

Power Drift = 0.03 dB

Maximum value of SAR = 0.555 mW/g



0 dB = 0.555mW/g

Test Laboratory: ELECTRONIC TECHNOLOGY SYSTEMS DR. GENZ GMBH

File Name: [NXG9230_850_right_ch251_tilted.da4](#)

NXG9230_850_right_ch251_tilted

DUT: Dual Band GSM850 / PCS1900; Type: -; Serial: NXG9230

Program: GSM 850

Communication System: GSM 850; Frequency: 848.8 MHz; Duty Cycle: 1:8

Medium: Head 900 MHz ($\sigma = 0.891666$ mho/m, $\epsilon_r = 42.1541$, $\rho = 1000$ kg/m³)

Phantom section: Right Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1711; ConvF(6.4, 6.4, 6.4); 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

NXG9230/Area Scan (81x121x1): Measurement grid: dx=10mm, dy=10mm

Reference Value = 5.34 V/m

Power Drift = 0.04 dB

Maximum value of SAR = 0.0909 mW/g

NXG9230/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

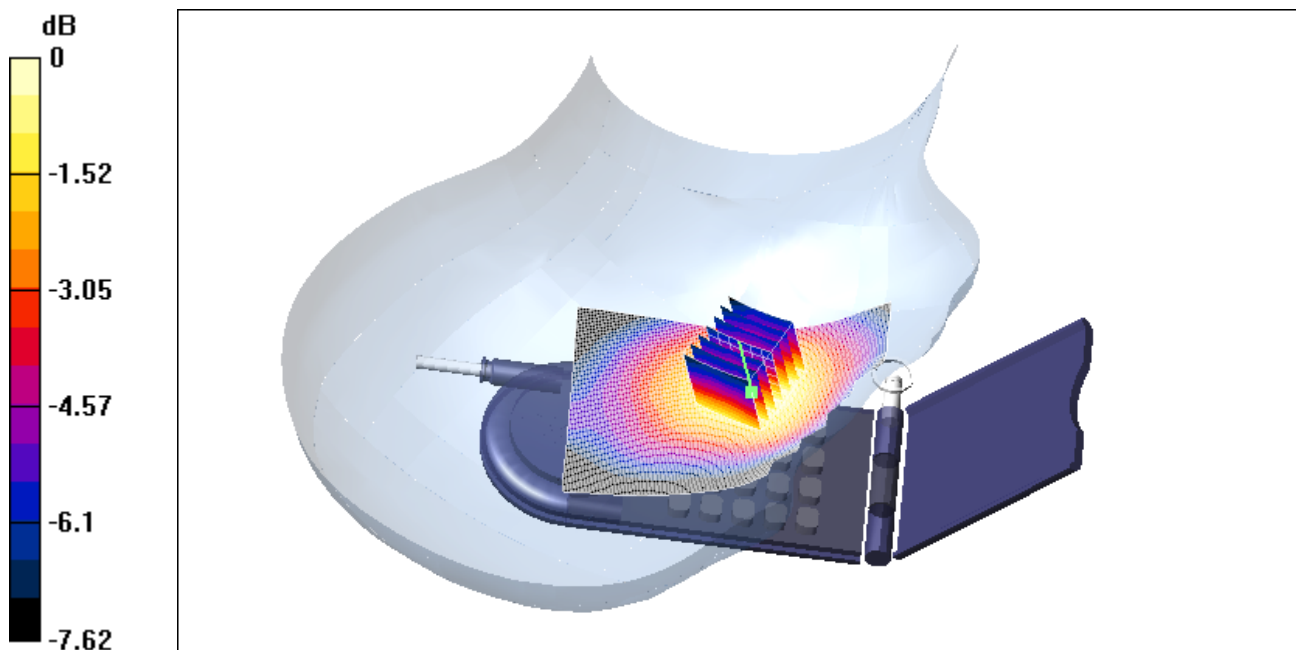
Peak SAR (extrapolated) = 0.114 W/kg

SAR(1 g) = 0.0865 mW/g; SAR(10 g) = 0.0638 mW/g

Reference Value = 5.34 V/m

Power Drift = 0.04 dB

Maximum value of SAR = 0.0916 mW/g



0 dB = 0.0916mW/g

Test Laboratory: ELECTRONIC TECHNOLOGY SYSTEMS DR. GENZ GMBH

File Name: [NXG9230_850_left_ch128_cheek.da4](#)

NXG9230_850_left_ch128_cheek

DUT: Dual Band GSM850 / PCS1900; Type: -; Serial: NXG9230

Program: GSM 850

Communication System: GSM 850; Frequency: 824.2 MHz; Duty Cycle: 1:8

Medium: Head 900 MHz ($\sigma = 0.872761$ mho/m, $\epsilon_r = 42.4129$, $\rho = 1000$ kg/m³)

Phantom section: Left Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1711; ConvF(6.4, 6.4, 6.4); 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

NXG9230/Area Scan (81x121x1): Measurement grid: dx=10mm, dy=10mm

Reference Value = 4.16 V/m

Power Drift = 0.03 dB

Maximum value of SAR = 0.599 mW/g

NXG9230/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

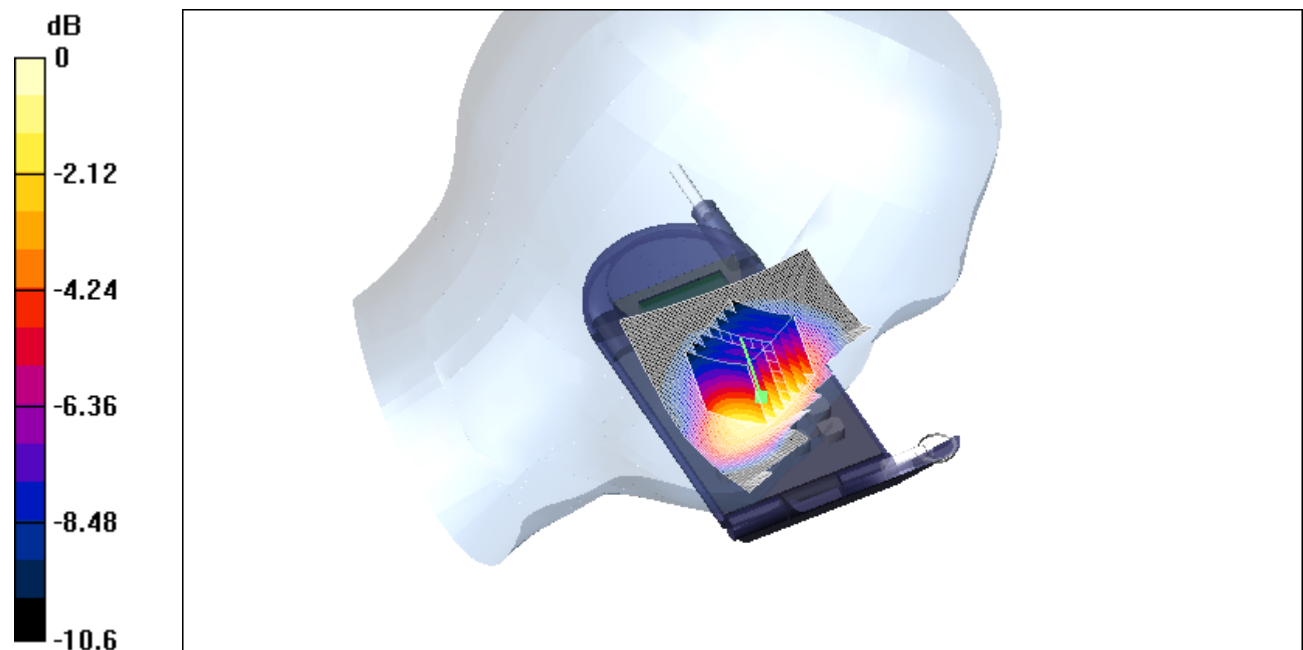
Peak SAR (extrapolated) = 0.799 W/kg

SAR(1 g) = 0.55 mW/g; SAR(10 g) = 0.362 mW/g

Reference Value = 4.16 V/m

Power Drift = 0.03 dB

Maximum value of SAR = 0.605 mW/g



0 dB = 0.605mW/g

Test Laboratory: ELECTRONIC TECHNOLOGY SYSTEMS DR. GENZ GMBH
File Name: [NXG9230_850_left_ch128_tilted.da4](#)

NXG9230_850_left_ch128_tilted

DUT: Dual Band GSM850 / PCS1900; Type: -; Serial: NXG9230
Program: GSM 850

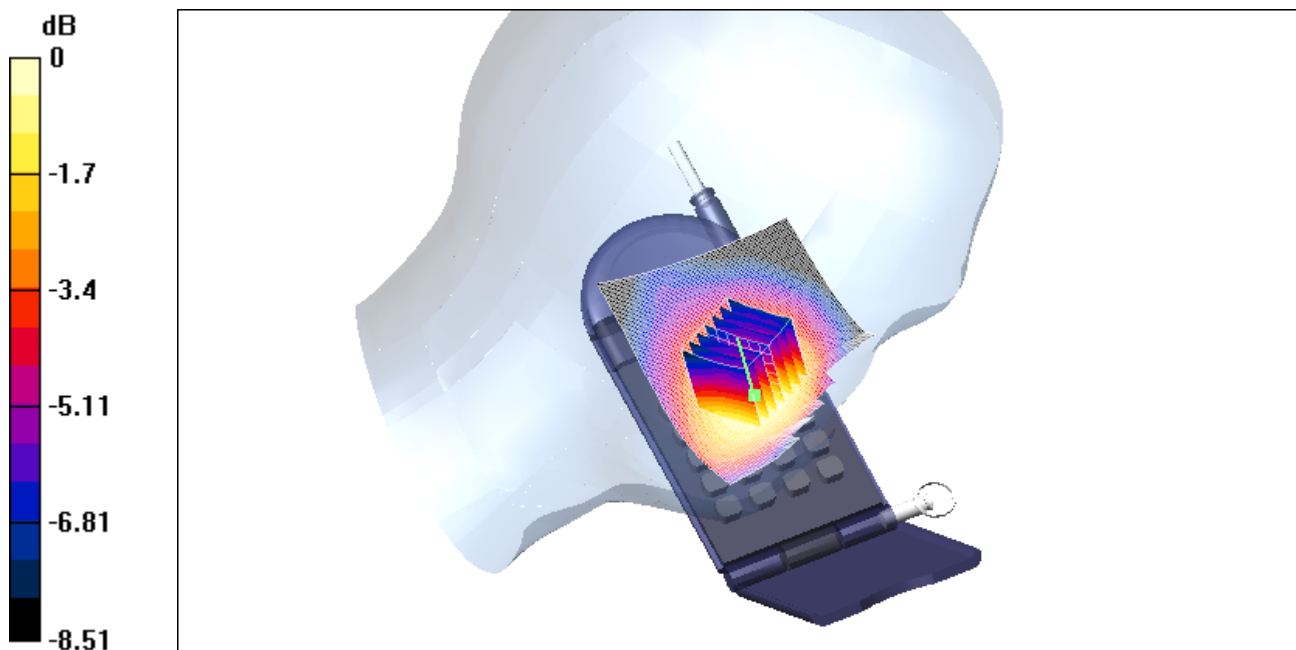
Communication System: GSM 850; Frequency: 824.2 MHz; Duty Cycle: 1:8
Medium: Head 900 MHz ($\sigma = 0.872761$ mho/m, $\epsilon_r = 42.4129$, $\rho = 1000$ kg/m³)
Phantom section: Left Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1711; ConvF(6.4, 6.4, 6.4); 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

NXG9230/Area Scan (81x121x1): Measurement grid: dx=10mm, dy=10mm
Reference Value = 5.65 V/m
Power Drift = 0.08 dB
Maximum value of SAR = 0.116 mW/g

NXG9230/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Peak SAR (extrapolated) = 0.145 W/kg
SAR(1 g) = 0.11 mW/g; SAR(10 g) = 0.0799 mW/g
Reference Value = 5.65 V/m
Power Drift = 0.08 dB
Maximum value of SAR = 0.117 mW/g



0 dB = 0.117mW/g

Test Laboratory: ELECTRONIC TECHNOLOGY SYSTEMS DR. GENZ GMBH

File Name: [NXG9230_850_left_ch189_cheek.da4](#)

NXG9230_850_left_ch189_cheek

DUT: Dual Band GSM850 / PCS1900; Type: -; Serial: NXG9230

Program: GSM 850

Communication System: GSM 850; Frequency: 836.4 MHz; Duty Cycle: 1:8

Medium: Head 900 MHz ($\sigma = 0.891666$ mho/m, $\epsilon_r = 42.1541$, $\rho = 1000$ kg/m³)

Phantom section: Left Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1711; ConvF(6.4, 6.4, 6.4); 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

NXG9230/Area Scan (81x121x1): Measurement grid: dx=10mm, dy=10mm

Reference Value = 3.95 V/m

Power Drift = 0.03 dB

Maximum value of SAR = 0.566 mW/g

NXG9230/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

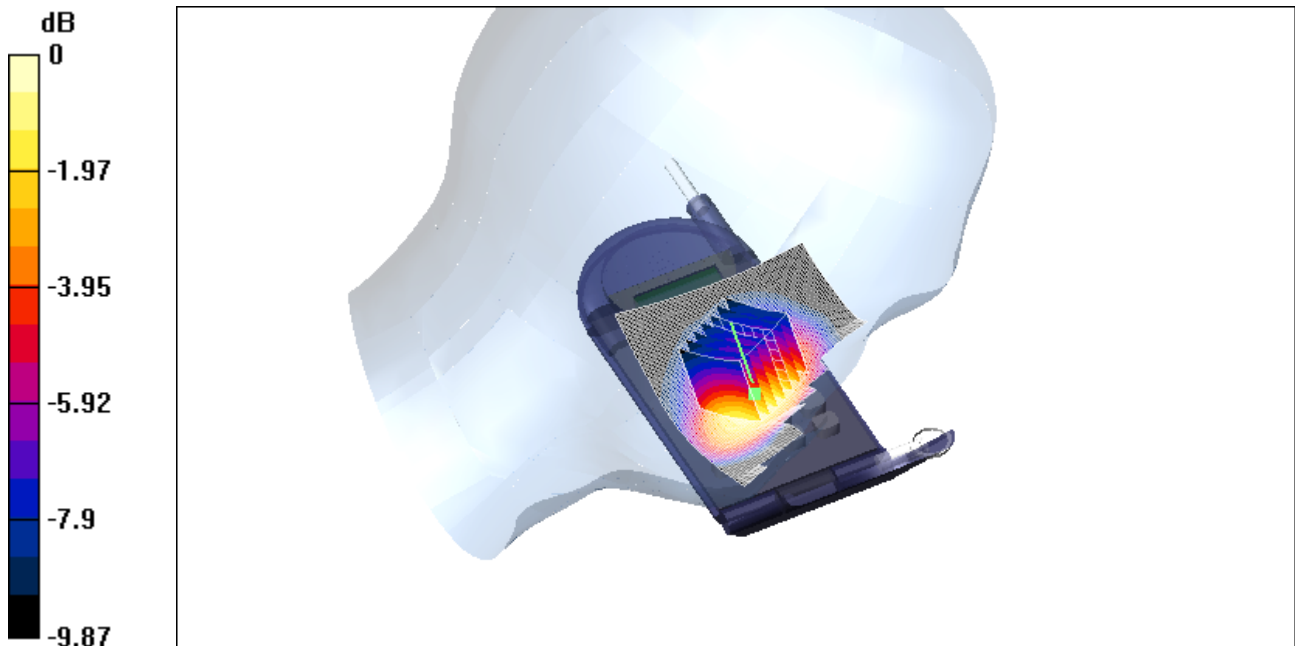
Peak SAR (extrapolated) = 0.771 W/kg

SAR(1 g) = 0.515 mW/g; SAR(10 g) = 0.341 mW/g

Reference Value = 3.95 V/m

Power Drift = 0.03 dB

Maximum value of SAR = 0.551 mW/g 0 dB = 0.551 mW/g



Test Laboratory: ELECTRONIC TECHNOLOGY SYSTEMS DR. GENZ GMBH

File Name: [NXG9230_850_left_ch189_tilted.da4](#)

NXG9230_850_left_ch189_tilted

DUT: Dual Band GSM850 / PCS1900; Type: -; Serial: NXG9230

Program: GSM 850

Communication System: GSM 850; Frequency: 836.4 MHz; Duty Cycle: 1:8

Medium: Head 900 MHz ($\sigma = 0.891666$ mho/m, $\epsilon_r = 42.1541$, $\rho = 1000$ kg/m³)

Phantom section: Left Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1711; ConvF(6.4, 6.4, 6.4); 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

NXG9230/Area Scan (81x131x1): Measurement grid: dx=10mm, dy=10mm

Reference Value = 5.1 V/m

Power Drift = 0.05 dB

Maximum value of SAR = 0.109 mW/g

NXG9230/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

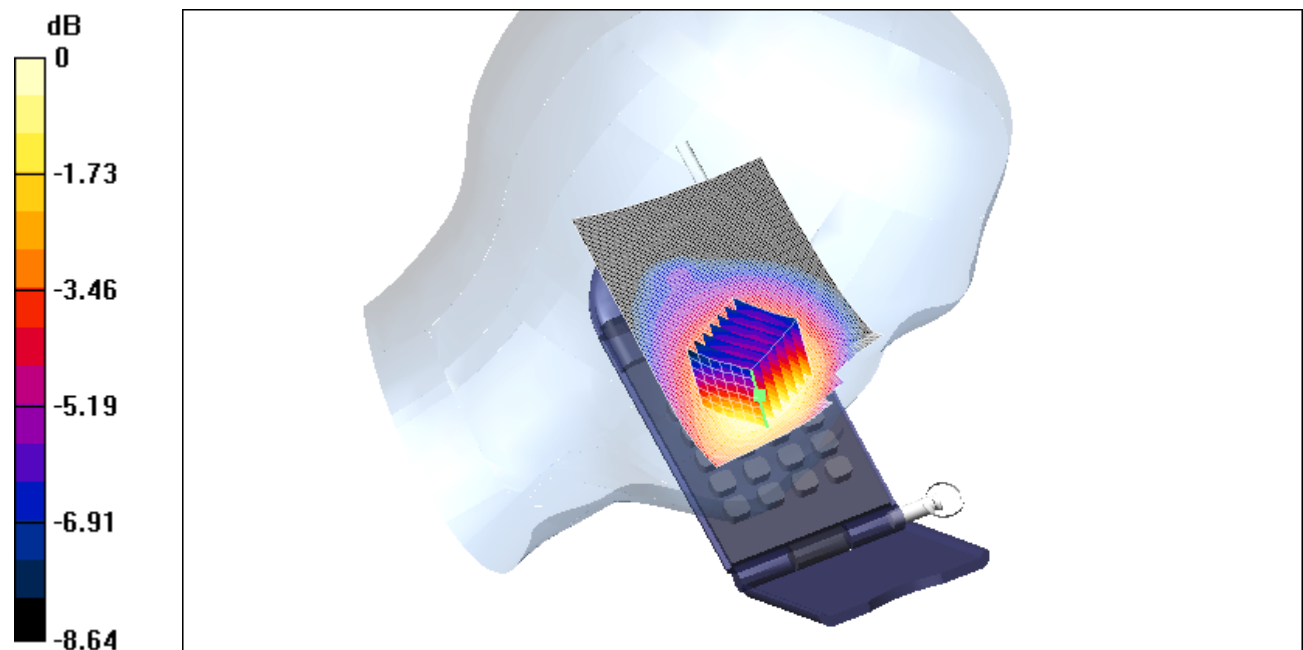
Peak SAR (extrapolated) = 0.133 W/kg

SAR(1 g) = 0.103 mW/g; SAR(10 g) = 0.0751 mW/g

Reference Value = 5.1 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: [NXG9230_850_left_ch251_cheek.da4](#)

NXG9230_850_left_ch251_cheek

DUT: Dual Band GSM850 / PCS1900; Type: -; Serial: NXG9230

Program: GSM 850

Communication System: GSM 850; Frequency: 848.8 MHz; Duty Cycle: 1:8

Medium: Head 900 MHz ($\sigma = 0.891666 \text{ mho/m}$, $\epsilon_r = 42.1541$, $\rho = 1000 \text{ kg/m}^3$)

Phantom section: Left Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1711; ConvF(6.4, 6.4, 6.4); 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

NXG9230/Area Scan (81x121x1): Measurement grid: dx=10mm, dy=10mm

Reference Value = 4.11 V/m

Power Drift = 0.02 dB

Maximum value of SAR = 0.53 mW/g

NXG9230/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

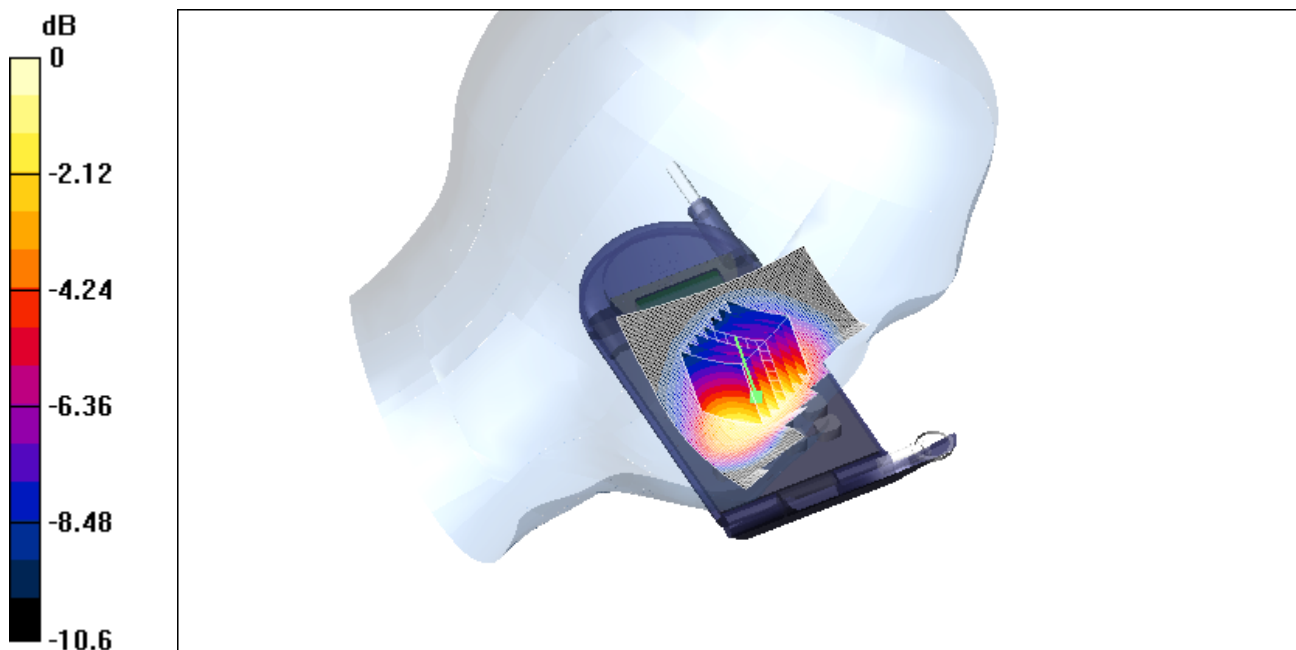
Peak SAR (extrapolated) = 0.737 W/kg

SAR(1 g) = 0.492 mW/g; SAR(10 g) = 0.324 mW/g

Reference Value = 4.11 V/m

Power Drift = 0.02 dB

Maximum value of SAR = 0.527 mW/g



0 dB = 0.527mW/g

Test Laboratory: ELECTRONIC TECHNOLOGY SYSTEMS DR. GENZ GMBH
File Name: [NXG9230_850_left_ch251_tilted.da4](#)

NXG9230_850_left_ch251_tilted

DUT: Dual Band GSM850 / PCS1900; Type: -; Serial: NXG9230
Program: GSM 850

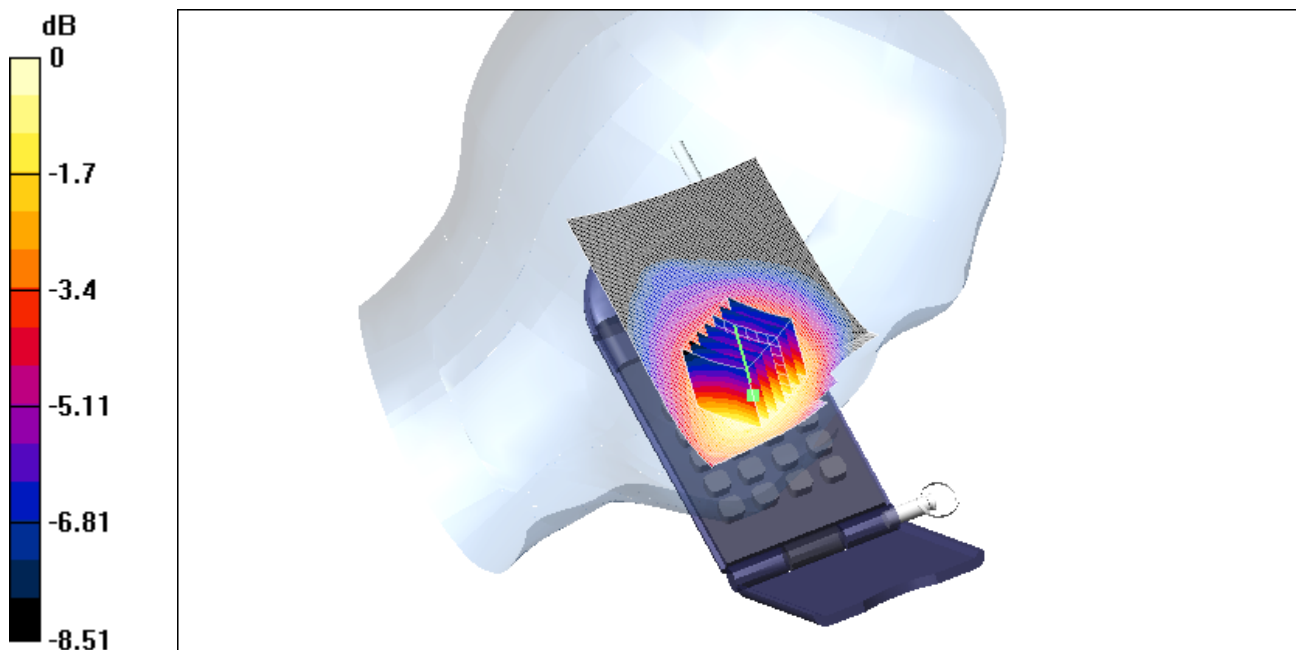
Communication System: GSM 850; Frequency: 848.8 MHz; Duty Cycle: 1:8
Medium: Head 900 MHz ($\sigma = 0.891666$ mho/m, $\epsilon_r = 42.1541$, $\rho = 1000$ kg/m³)
Phantom section: Left Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1711; ConvF(6.4, 6.4, 6.4); 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

NXG9230/Area Scan (81x131x1): Measurement grid: dx=10mm, dy=10mm
Reference Value = 5.1 V/m
Power Drift = 0.05 dB
Maximum value of SAR = 0.104 mW/g

NXG9230/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Peak SAR (extrapolated) = 0.134 W/kg
SAR(1 g) = 0.0992 mW/g; SAR(10 g) = 0.0717 mW/g
Reference Value = 5.1 V/m
Power Drift = 0.05 dB
Maximum value of SAR = 0.106 mW/g



0 dB = 0.106mW/g

Test Laboratory: ELECTRONIC TECHNOLOGY SYSTEMS DR. GENZ GMBH

File Name: [NXG9230_850_flat_ch128_front.da4](#)

NXG9230_850_flat_ch128_front

DUT: Dual Band GSM850 / PCS1900; Type: -; Serial: NXG9230

Program: GSM 850

Communication System: GSM 850; Frequency: 824.2 MHz; Duty Cycle: 1:8

Medium: Muscle 850 MHz ($\sigma = 0.961897$ mho/m, $\epsilon_r = 55.1968$, $\rho = 1000$ kg/m³)

Phantom section: Flat Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1711; ConvF(6.2, 6.2, 6.2); 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

NXG9230/Area Scan (91x131x1): Measurement grid: dx=10mm, dy=10mm

Reference Value = 13 V/m

Power Drift = -0.08 dB

Maximum value of SAR = 0.161 mW/g

NXG9230/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

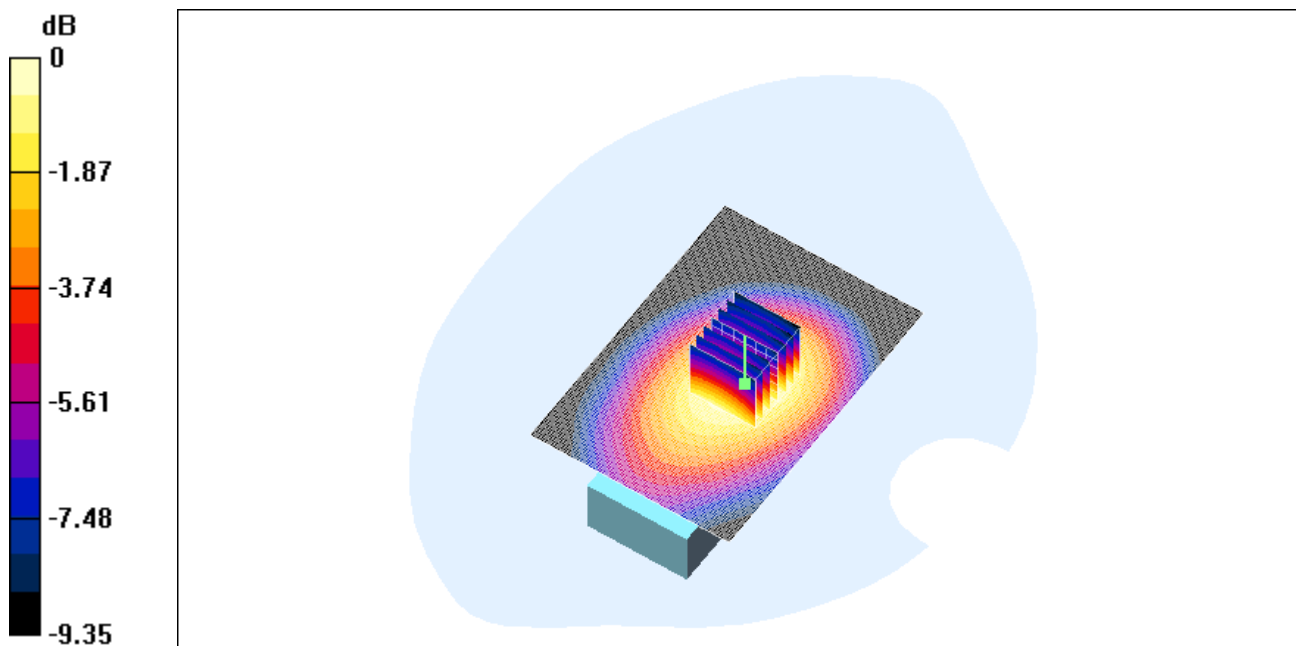
Peak SAR (extrapolated) = 0.199 W/kg

SAR(1 g) = 0.153 mW/g; SAR(10 g) = 0.108 mW/g

Reference Value = 13 V/m

Power Drift = -0.08 dB

Maximum value of SAR = 0.162 mW/g



0 dB = 0.162mW/g

Test Laboratory: ELECTRONIC TECHNOLOGY SYSTEMS DR. GENZ GMBH

File Name: [NXG9230_850_flat_ch128_back.da4](#)

NXG9230_850_flat_ch128_back

DUT: Dual Band GSM850 / PCS1900; Type: -; Serial: NXG9230

Program: GSM 850

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

Medium: Muscle 850 MHz ($\sigma = 0.961897$ mho/m, $\epsilon_r = 55.1968$, $\rho = 1000$ kg/m³)

Phantom section: Flat Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1711; ConvF(6.2, 6.2, 6.2); 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

NXG9230/Area Scan (91x131x1): Measurement grid: dx=10mm, dy=10mm

Reference Value = 22 V/m

Power Drift = -0.008 dB

Maximum value of SAR = 0.455 mW/g

NXG9230/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

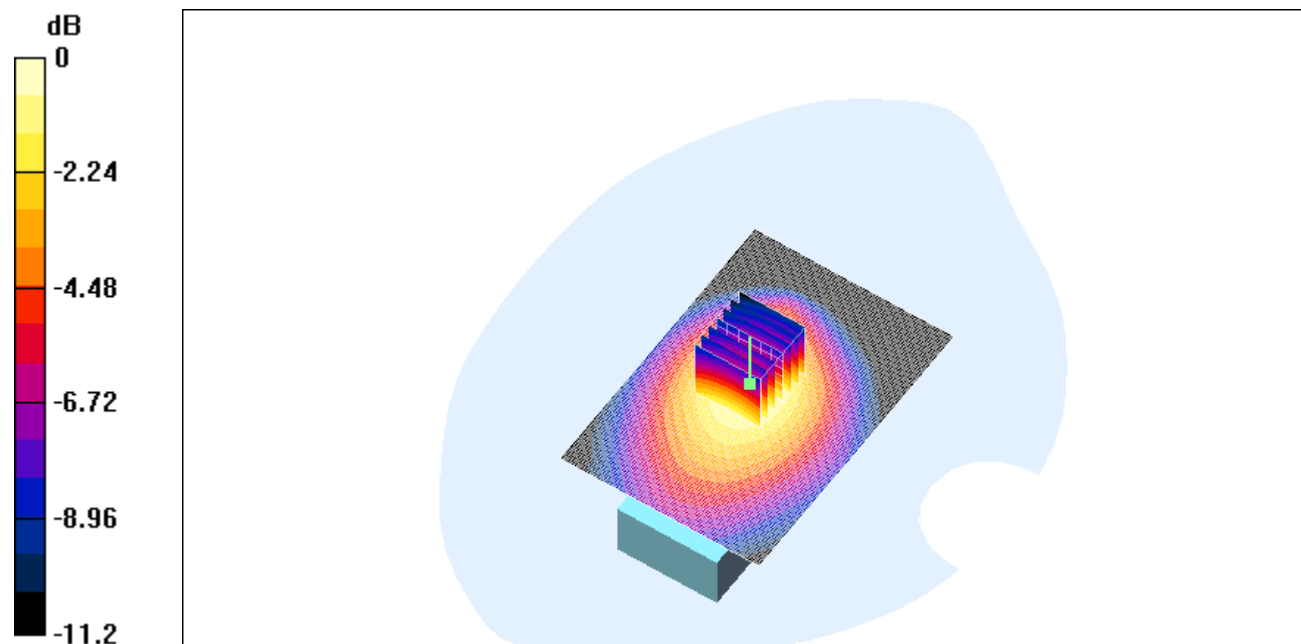
Peak SAR (extrapolated) = 0.598 W/kg

SAR(1 g) = 0.429 mW/g; SAR(10 g) = 0.29 mW/g

Reference Value = 22 V/m

Power Drift = -0.008 dB

Maximum value of SAR = 0.465 mW/g



0 dB = 0.465mW/g

Test Laboratory: ELECTRONIC TECHNOLOGY SYSTEMS DR. GENZ GMBH

File Name: [NXG9230_850_flat_ch189_front.da4](#)

NXG9230_850_flat_ch189_front

DUT: Dual Band GSM850 / PCS1900; Type: -; Serial: NXG9230

Program: GSM 850

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

Medium: Muscle 850 MHz ($\sigma = 0.972227$ mho/m, $\epsilon_r = 55.1479$, $\rho = 1000$ kg/m³)

Phantom section: Flat Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1711; ConvF(6.2, 6.2, 6.2); 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

NXG9230/Area Scan (91x131x1): Measurement grid: dx=10mm, dy=10mm

Reference Value = 12.7 V/m

Power Drift = -0.12 dB

Maximum value of SAR = 0.15 mW/g

NXG9230/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

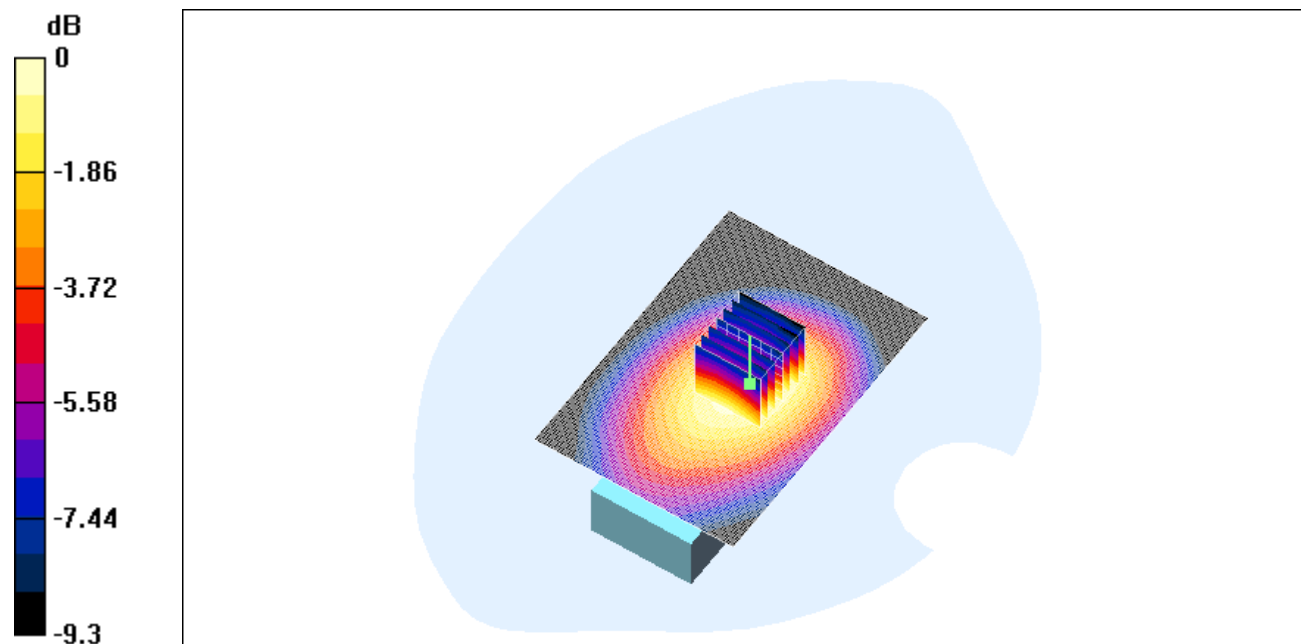
Peak SAR (extrapolated) = 0.185 W/kg

SAR(1 g) = 0.142 mW/g; SAR(10 g) = 0.101 mW/g

Reference Value = 12.7 V/m

Power Drift = -0.12 dB

Maximum value of SAR = 0.15 mW/g



0 dB = 0.15mW/g

Test Laboratory: ELECTRONIC TECHNOLOGY SYSTEMS DR. GENZ GMBH
File Name: [NXG9230_850_flat_ch189_back.da4](#)

NXG9230_850_flat_ch189_back

DUT: Dual Band GSM850 / PCS1900; Type: -; Serial: NXG9230
Program: GSM 850

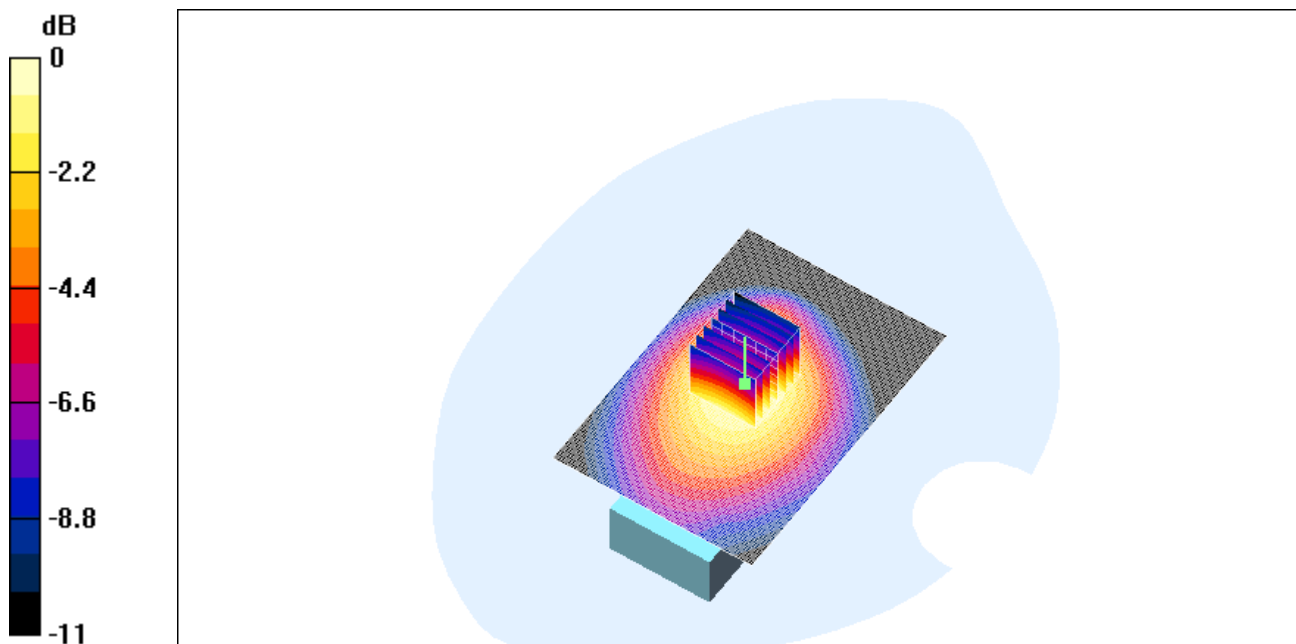
Communication System: GSM 850; Frequency: 836.4 MHz; Duty Cycle: 1:8.3
Medium: Muscle 850 MHz ($\sigma = 0.972227$ mho/m, $\epsilon_r = 55.1479$, $\rho = 1000$ kg/m³)
Phantom section: Flat Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1711; ConvF(6.2, 6.2, 6.2); 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

NXG9230/Area Scan (91x131x1): Measurement grid: dx=10mm, dy=10mm
Reference Value = 21.3 V/m
Power Drift = 0.04 dB
Maximum value of SAR = 0.427 mW/g

NXG9230/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Peak SAR (extrapolated) = 0.541 W/kg
SAR(1 g) = 0.398 mW/g; SAR(10 g) = 0.273 mW/g
Reference Value = 21.3 V/m
Power Drift = 0.04 dB
Maximum value of SAR = 0.428 mW/g



0 dB = 0.428mW/g

Test Laboratory: ELECTRONIC TECHNOLOGY SYSTEMS DR. GENZ GMBH

File Name: [NXG9230_850_flat_ch251_front.da4](#)

NXG9230_850_flat_ch251_front

DUT: Dual Band GSM850 / PCS1900; Type: -; Serial: NXG9230

Program: GSM 850

Communication System: GSM 850; Frequency: 848.8 MHz; Duty Cycle: 1:8.3

Medium: Muscle 850 MHz ($\sigma = 0.980969$ mho/m, $\epsilon_r = 55.0254$, $\rho = 1000$ kg/m³)

Phantom section: Flat Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1711; ConvF(6.2, 6.2, 6.2); 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

NXG9230/Area Scan (91x131x1): Measurement grid: dx=10mm, dy=10mm

Reference Value = 12.2 V/m

Power Drift = -0.02 dB

Maximum value of SAR = 0.148 mW/g

NXG9230/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

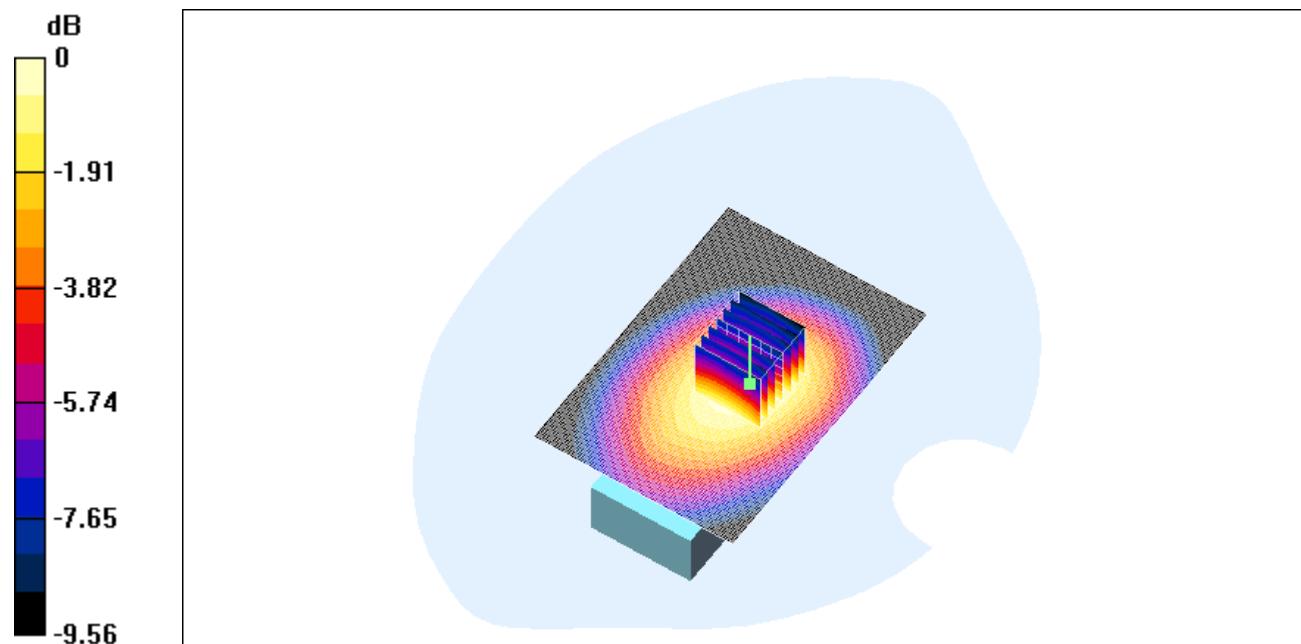
Peak SAR (extrapolated) = 0.18 W/kg

SAR(1 g) = 0.138 mW/g; SAR(10 g) = 0.0976 mW/g

Reference Value = 12.2 V/m

Power Drift = -0.02 dB

Maximum value of SAR = 0.147 mW/g



0 dB = 0.147mW/g

Test Laboratory: ELECTRONIC TECHNOLOGY SYSTEMS DR. GENZ GMBH

File Name: [NXG9230_850_flat_ch251_back.da4](#)

NXG9230_850_flat_ch251_back

DUT: Dual Band GSM850 / PCS1900; Type: -; Serial: NXG9230

Program: GSM 850

Communication System: GSM 850; Frequency: 848.8 MHz; Duty Cycle: 1:8.3

Medium: Muscle 850 MHz ($\sigma = 0.980969$ mho/m, $\epsilon_r = 55.0254$, $\rho = 1000$ kg/m³)

Phantom section: Flat Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1711; ConvF(6.2, 6.2, 6.2); 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

NXG9230/Area Scan (91x131x1): Measurement grid: dx=10mm, dy=10mm

Reference Value = 20.3 V/m

Power Drift = -0.05 dB

Maximum value of SAR = 0.385 mW/g

NXG9230/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

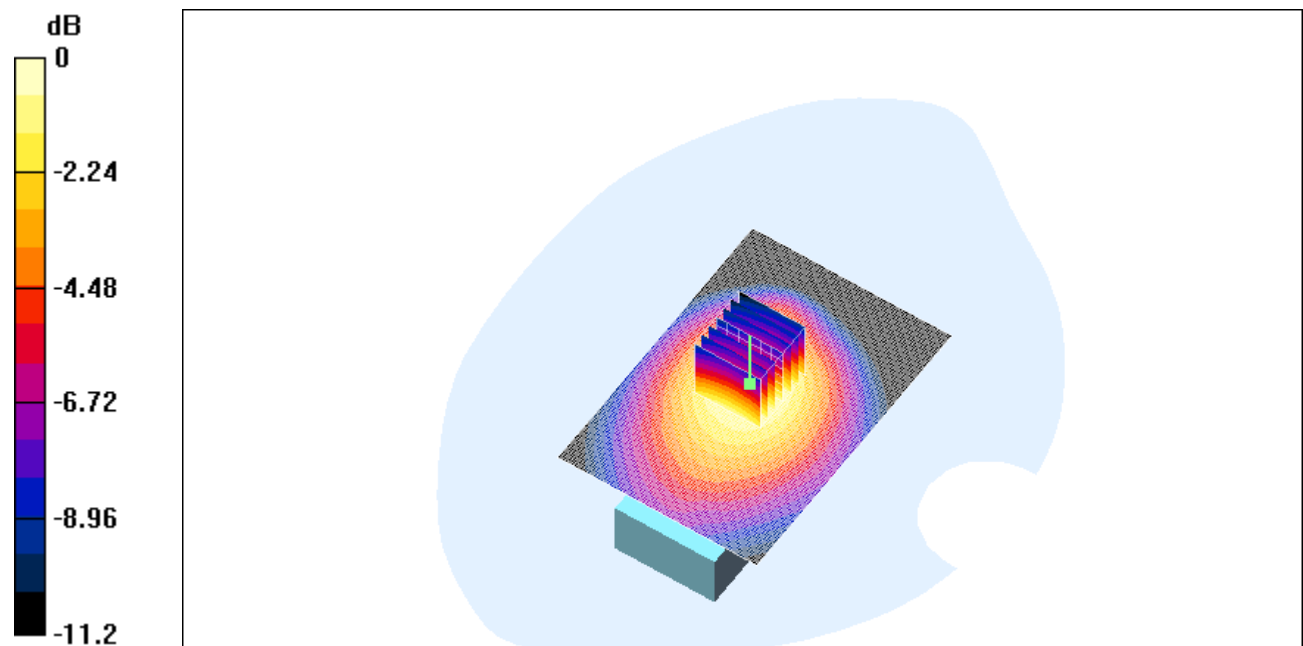
Peak SAR (extrapolated) = 0.495 W/kg

SAR(1 g) = 0.359 mW/g; SAR(10 g) = 0.244 mW/g

Reference Value = 20.3 V/m

Power Drift = -0.05 dB

Maximum value of SAR = 0.383 mW/g



0 dB = 0.383mW/g