

Test Laboratory: ELECTRONIC TECHNOLOGY SYSTEMS DR. GENZ GMBH

right_ch0_cheek

DUT: USB7100; Type: 2.4GHz Cordless VoIP Phone; Serial: USB7100, USB711

Communication System: 2.4GHz; Frequency: 2401.92 MHz; Duty Cycle: 1:24

Medium: Head 2450 MHz Medium parameters used (interpolated): $f = 2401.92$ MHz; $\sigma = 1.83$ mho/m; $\epsilon_r = 38$; $\rho = 1000$ kg/m³

Phantom section: Right Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1711; ConvF(4.6, 4.6, 4.6); Calibrated: 12/16/2003
- Sensor-Surface: 4mm (Mechanical And Optical Surface Detection)
- Electronics: DAE3 Sn522; Calibrated: 1/12/2004
- Phantom: SAM 12; Type: TP-1217; Serial: QD000P40CA
- Measurement SW: DASY4, V4.4 Build 3; Postprocessing SW: SEMCAD, V1.8 Build 130

right_ch0_cheek/Area Scan (71x131x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 0.064 mW/g

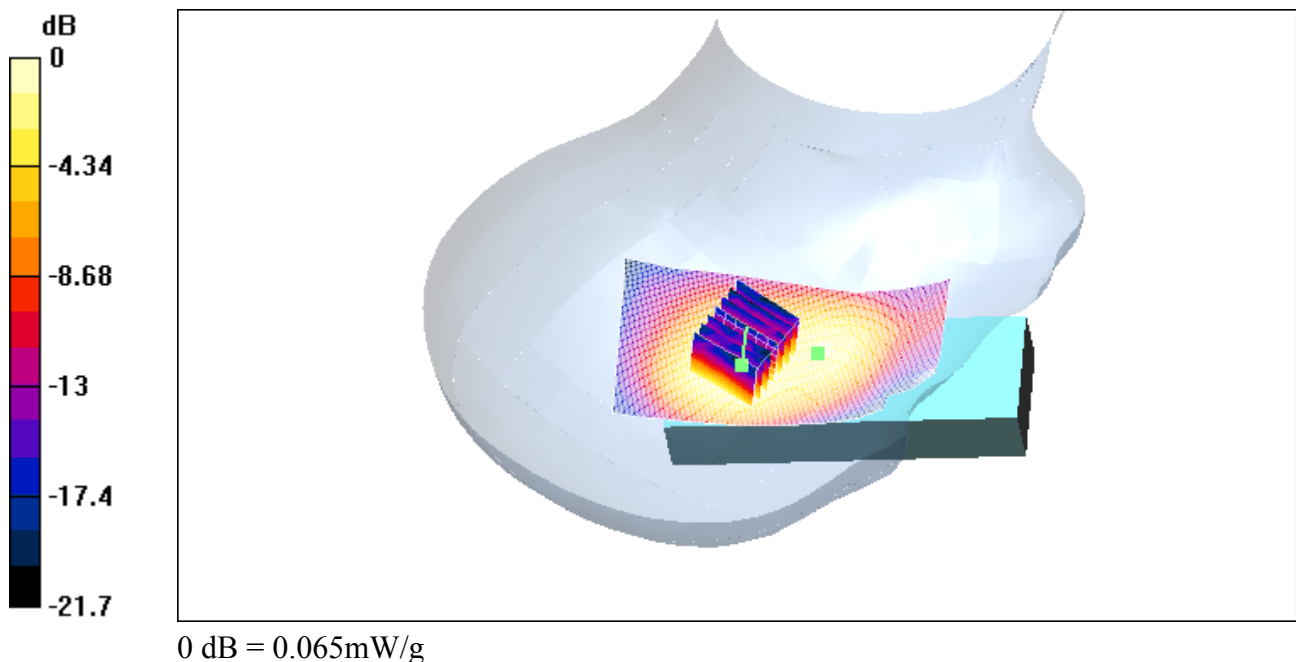
right_ch0_cheek/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 4.38 V/m; Power Drift = -0.0 dB

Peak SAR (extrapolated) = 0.112 W/kg

SAR(1 g) = 0.060 mW/g; SAR(10 g) = 0.032 mW/g

Maximum value of SAR (measured) = 0.065 mW/g



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right_ch23_cheek

DUT: USB7100; Type: 2.4GHz Cordless VoIP Phone; Serial: USB7100, USB711

Communication System: 2.4GHz; Frequency: 2441.66 MHz; Duty Cycle: 1:24

Medium: Head 2450 MHz Medium parameters used (interpolated): $f = 2441.66$ MHz; $\sigma = 1.87$ mho/m; $\epsilon_r = 37.8$; $\rho = 1000$ kg/m³

Phantom section: Right Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1711; ConvF(4.6, 4.6, 4.6); Calibrated: 12/16/2003
- Sensor-Surface: 4mm (Mechanical And Optical Surface Detection)
- Electronics: DAE3 Sn522; Calibrated: 1/12/2004
- Phantom: SAM 12; Type: TP-1217; Serial: QD000P40CA
- Measurement SW: DASY4, V4.4 Build 3; Postprocessing SW: SEMCAD, V1.8 Build 130

right_ch23_cheek/Area Scan (71x131x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 0.060 mW/g

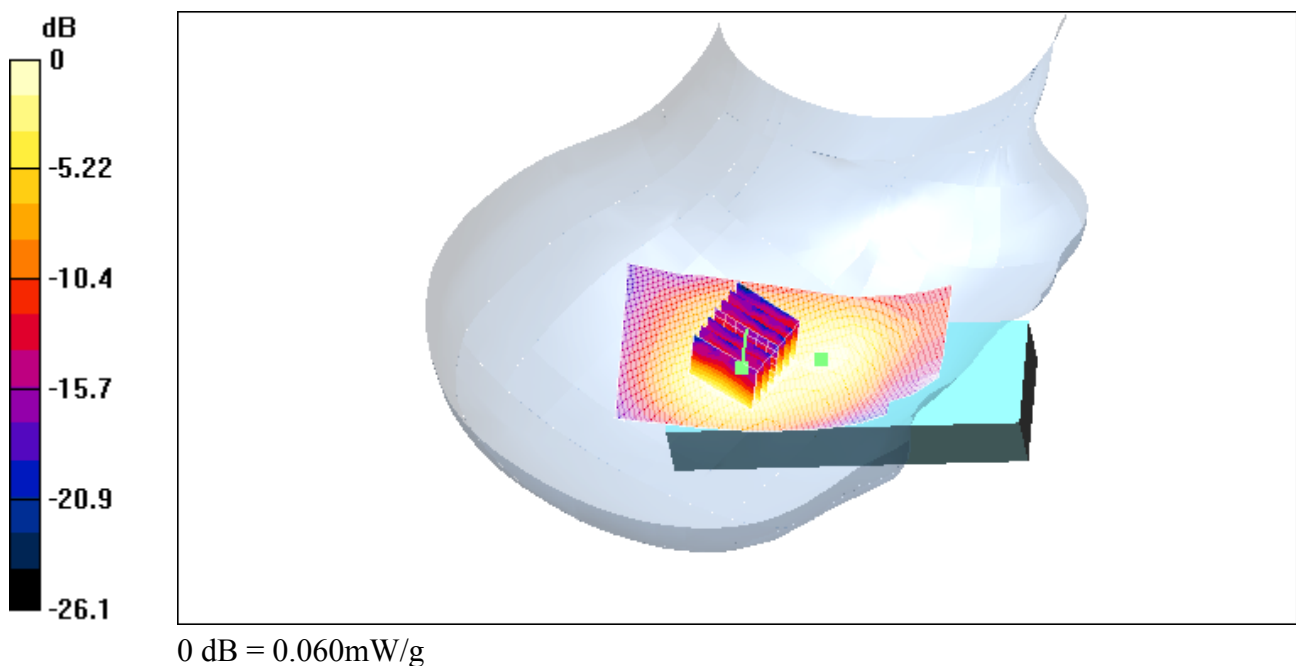
right_ch23_cheek/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 4.24 V/m; Power Drift = -0.009 dB

Peak SAR (extrapolated) = 0.104 W/kg

SAR(1 g) = 0.055 mW/g; SAR(10 g) = 0.030 mW/g

Maximum value of SAR (measured) = 0.060 mW/g



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right_ch46_cheek

DUT: USB7100; Type: 2.4GHz Cordless VoIP Phone; Serial: USB7100, USB711

Communication System: 2.4GHz; Frequency: 2481.41 MHz; Duty Cycle: 1:24

Medium: Head 2450 MHz Medium parameters used (interpolated): $f = 2481.41$ MHz; $\sigma = 1.88$ mho/m; $\epsilon_r = 37.7$; $\rho = 1000$ kg/m³

Phantom section: Right Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1711; ConvF(4.6, 4.6, 4.6); Calibrated: 12/16/2003
- Sensor-Surface: 4mm (Mechanical And Optical Surface Detection)
- Electronics: DAE3 Sn522; Calibrated: 1/12/2004
- Phantom: SAM 12; Type: TP-1217; Serial: QD000P40CA
- Measurement SW: DASY4, V4.4 Build 3; Postprocessing SW: SEMCAD, V1.8 Build 130

right_ch46_cheek/Area Scan (71x131x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 0.055 mW/g

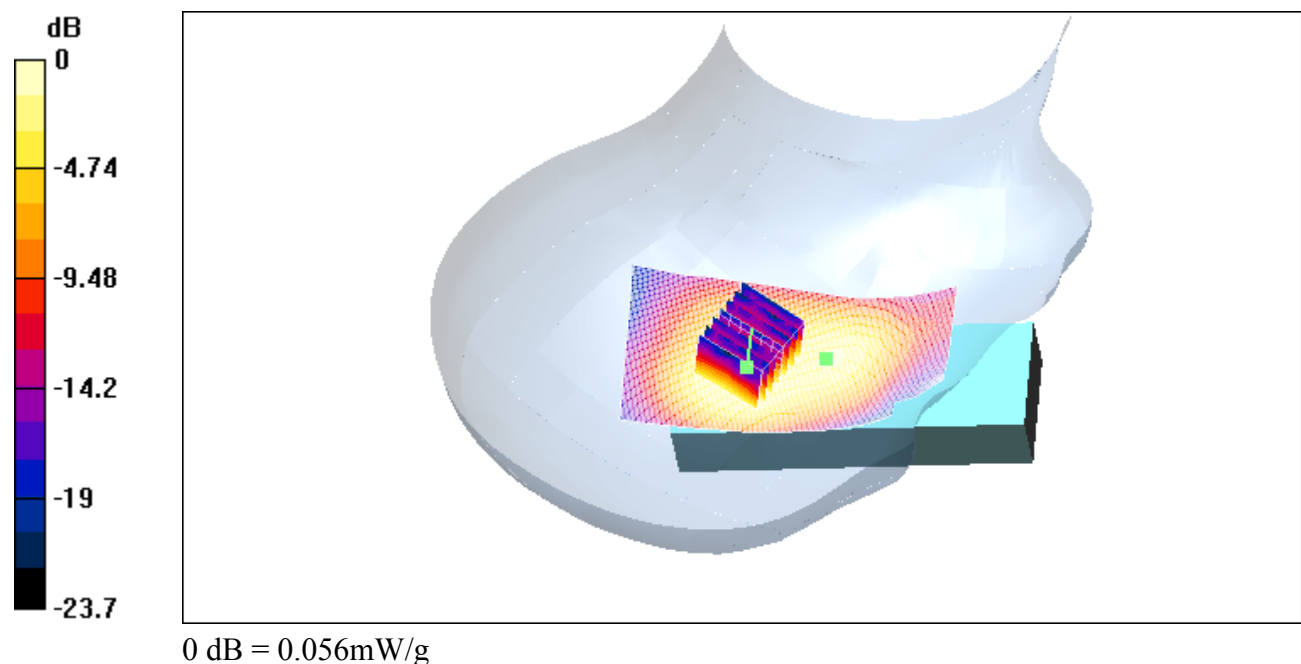
right_ch46_cheek/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 4 V/m; Power Drift = 0.0 dB

Peak SAR (extrapolated) = 0.101 W/kg

SAR(1 g) = 0.052 mW/g; SAR(10 g) = 0.027 mW/g

Maximum value of SAR (measured) = 0.056 mW/g



Test Laboratory: ELECTRONIC TECHNOLOGY SYSTEMS DR. GENZ GMBH

right_ch0_tilted

DUT: USB7100; Type: 2.4GHz Cordless VoIP Phone; Serial: USB7100, USB711

Communication System: 2.4GHz; Frequency: 2401.92 MHz; Duty Cycle: 1:24

Medium: Head 2450 MHz Medium parameters used (interpolated): $f = 2401.92$ MHz; $\sigma = 1.83$ mho/m; $\epsilon_r = 38$; $\rho = 1000$ kg/m³

Phantom section: Right Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1711; ConvF(4.6, 4.6, 4.6); Calibrated: 12/16/2003
- Sensor-Surface: 4mm (Mechanical And Optical Surface Detection)
- Electronics: DAE3 Sn522; Calibrated: 1/12/2004
- Phantom: SAM 12; Type: TP-1217; Serial: QD000P40CA
- Measurement SW: DASY4, V4.4 Build 3; Postprocessing SW: SEMCAD, V1.8 Build 130

right_ch0_tilted/Area Scan (71x81x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 0.050 mW/g

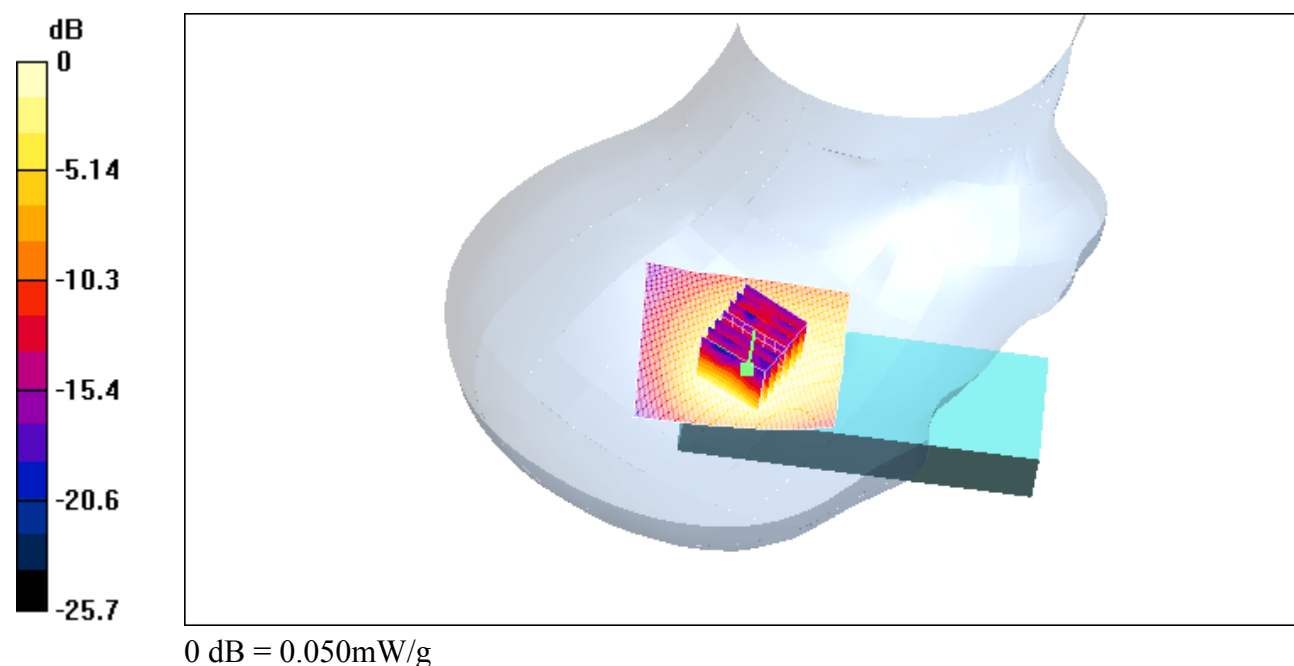
right_ch0_tilted/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 4.51 V/m; Power Drift = -0.0 dB

Peak SAR (extrapolated) = 0.087 W/kg

SAR(1 g) = 0.046 mW/g; SAR(10 g) = 0.025 mW/g

Maximum value of SAR (measured) = 0.050 mW/g



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right_ch23_tilted

DUT: USB7100; Type: 2.4GHz Cordless VoIP Phone; Serial: USB7100, USB711

Communication System: 2.4GHz; Frequency: 2441.66 MHz; Duty Cycle: 1:24

Medium: Head 2450 MHz Medium parameters used (interpolated): $f = 2441.66$ MHz; $\sigma = 1.87$ mho/m; $\epsilon_r = 37.8$; $\rho = 1000$ kg/m³

Phantom section: Right Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1711; ConvF(4.6, 4.6, 4.6); Calibrated: 12/16/2003
- Sensor-Surface: 4mm (Mechanical And Optical Surface Detection)
- Electronics: DAE3 Sn522; Calibrated: 1/12/2004
- Phantom: SAM 12; Type: TP-1217; Serial: QD000P40CA
- Measurement SW: DASY4, V4.4 Build 3; Postprocessing SW: SEMCAD, V1.8 Build 130

right_ch23_tilted/Area Scan (71x81x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 0.046 mW/g

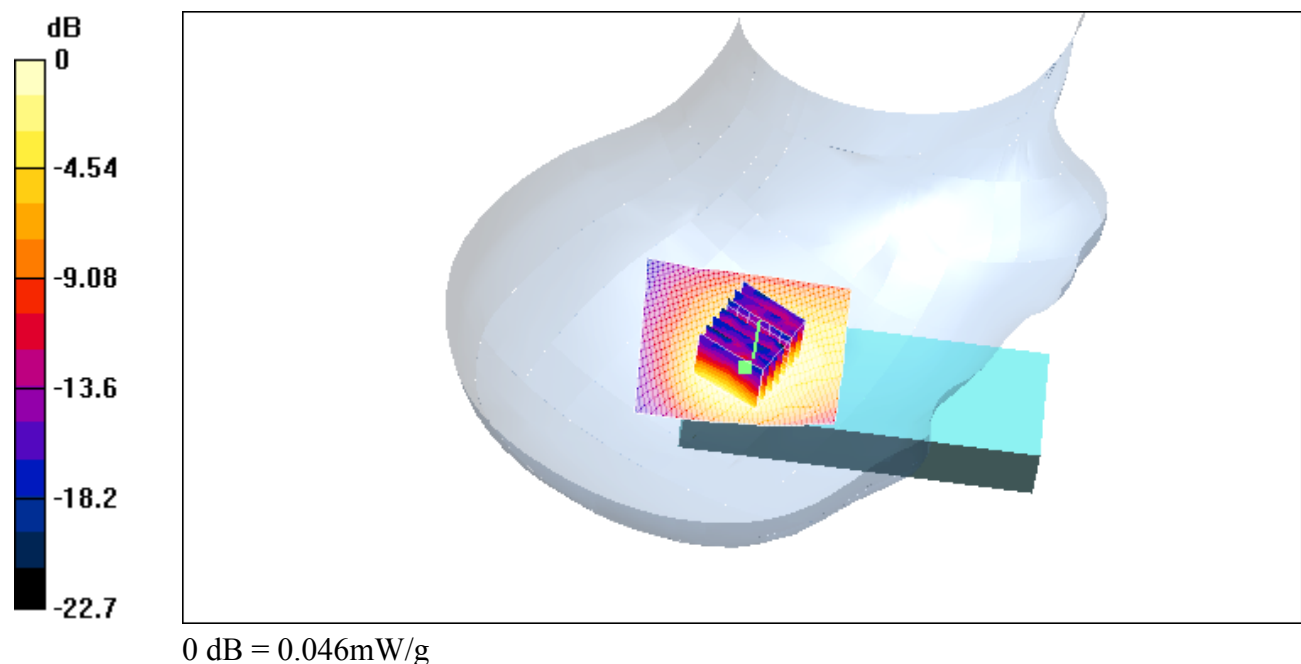
right_ch23_tilted/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 4.34 V/m; Power Drift = -0.1 dB

Peak SAR (extrapolated) = 0.080 W/kg

SAR(1 g) = 0.042 mW/g; SAR(10 g) = 0.023 mW/g

Maximum value of SAR (measured) = 0.046 mW/g



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right_ch46_tilted

DUT: USB7100; Type: 2.4GHz Cordless VoIP Phone; Serial: USB7100, USB711

Communication System: 2.4GHz; Frequency: 2481.41 MHz; Duty Cycle: 1:24

Medium: Head 2450 MHz Medium parameters used (interpolated): $f = 2481.41$ MHz; $\sigma = 1.88$ mho/m; $\epsilon_r = 37.7$; $\rho = 1000$ kg/m³

Phantom section: Right Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1711; ConvF(4.6, 4.6, 4.6); Calibrated: 12/16/2003
- Sensor-Surface: 4mm (Mechanical And Optical Surface Detection)
- Electronics: DAE3 Sn522; Calibrated: 1/12/2004
- Phantom: SAM 12; Type: TP-1217; Serial: QD000P40CA
- Measurement SW: DASY4, V4.4 Build 3; Postprocessing SW: SEMCAD, V1.8 Build 130

right_ch46_tilted/Area Scan (71x81x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 0.042 mW/g

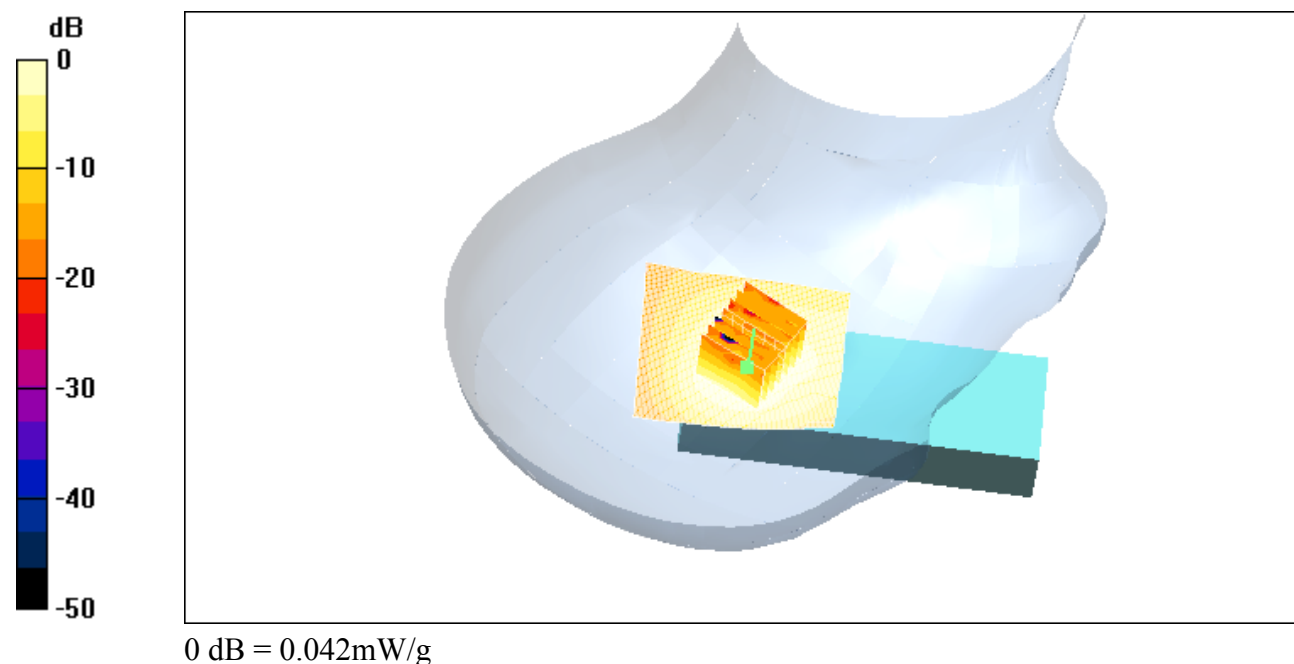
right_ch46_tilted/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 3.97 V/m; Power Drift = -0.0 dB

Peak SAR (extrapolated) = 0.077 W/kg

SAR(1 g) = 0.039 mW/g; SAR(10 g) = 0.021 mW/g

Maximum value of SAR (measured) = 0.042 mW/g



Test Laboratory: ELECTRONIC TECHNOLOGY SYSTEMS DR. GENZ GMBH

flat_back_ch0

DUT: USB7100; Type: 2.4GHz Cordless VoIP Phone; Serial: USB7100, USB711

Communication System: 2.4GHz; Frequency: 2401.92 MHz; Duty Cycle: 1:24

Medium: Muscle 2450 MHz Medium parameters used (interpolated): $f = 2401.92$ MHz; $\sigma = 1.96$ mho/m; $\epsilon_r = 52.6$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1711; ConvF(4.1, 4.1, 4.1); Calibrated: 12/16/2003
- Sensor-Surface: 4mm (Mechanical And Optical Surface Detection)
- Electronics: DAE3 Sn522; Calibrated: 1/12/2004
- Phantom: SAM 12; Type: TP-1217; Serial: QD000P40CA
- Measurement SW: DASY4, V4.4 Build 3; Postprocessing SW: SEMCAD, V1.8 Build 130

flat_back_ch0/Area Scan (71x131x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 0.067 mW/g

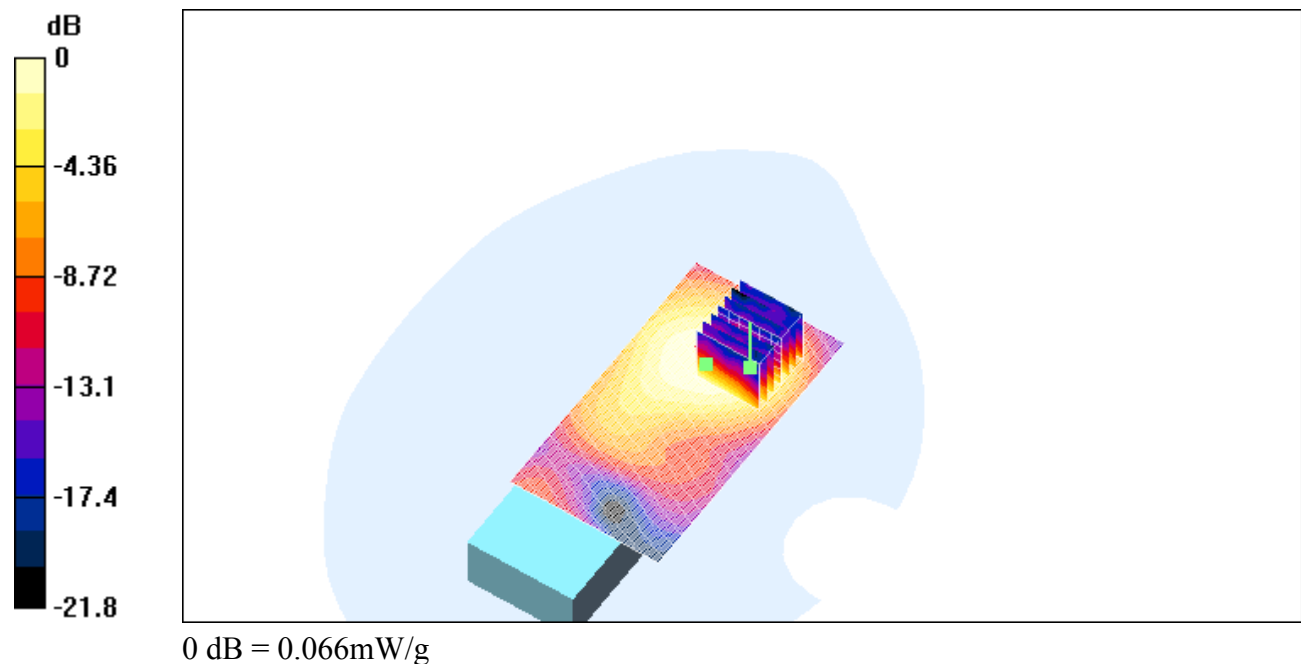
flat_back_ch0/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 3.39 V/m; Power Drift = -0.2 dB

Peak SAR (extrapolated) = 0.142 W/kg

SAR(1 g) = 0.062 mW/g; SAR(10 g) = 0.032 mW/g

Maximum value of SAR (measured) = 0.066 mW/g



Test Laboratory: ELECTRONIC TECHNOLOGY SYSTEMS DR. GENZ GMBH

flat_back_ch23

DUT: USB7100; Type: 2.4GHz Cordless VoIP Phone; Serial: USB7100, USB711

Communication System: 2.4GHz; Frequency: 2441.66 MHz; Duty Cycle: 1:24

Medium: Muscle 2450 MHz Medium parameters used (interpolated): $f = 2441.66$ MHz; $\sigma = 2$ mho/m; $\epsilon_r = 52.5$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1711; ConvF(4.1, 4.1, 4.1); Calibrated: 12/16/2003
- Sensor-Surface: 4mm (Mechanical And Optical Surface Detection)
- Electronics: DAE3 Sn522; Calibrated: 1/12/2004
- Phantom: SAM 12; Type: TP-1217; Serial: QD000P40CA
- Measurement SW: DASY4, V4.4 Build 3; Postprocessing SW: SEMCAD, V1.8 Build 130

flat_back_ch23/Area Scan (91x131x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 0.069 mW/g

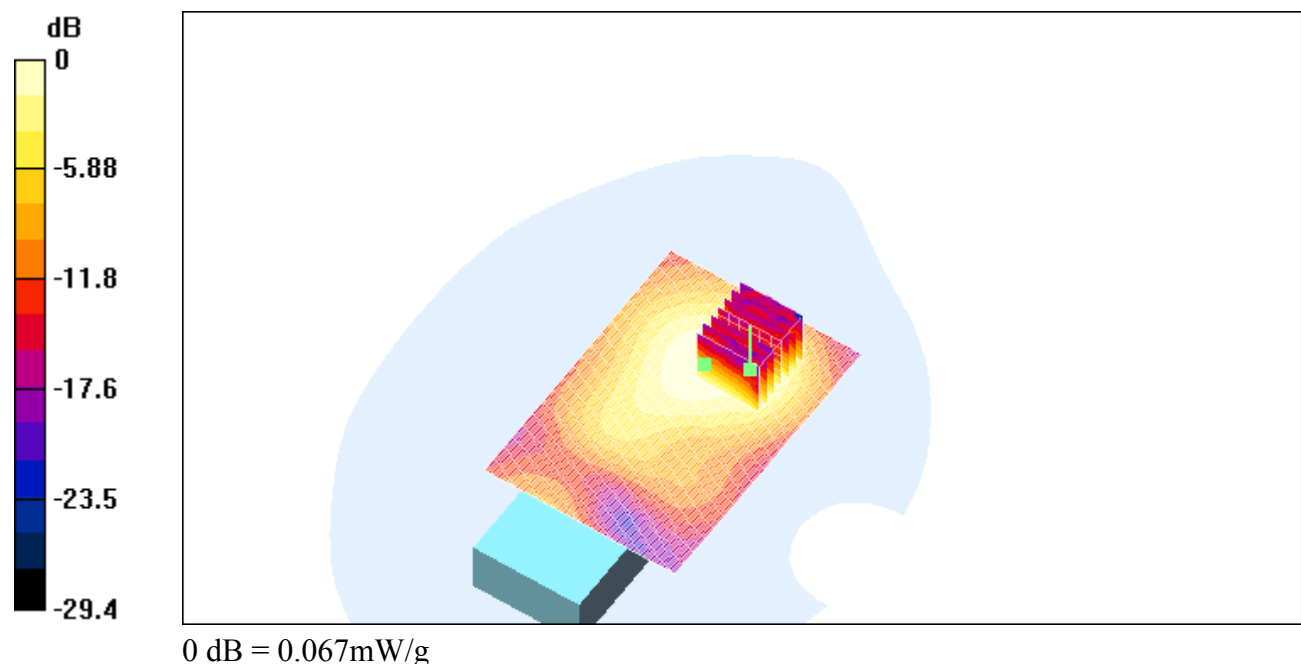
flat_back_ch23/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 3.3 V/m; Power Drift = -0.1 dB

Peak SAR (extrapolated) = 0.146 W/kg

SAR(1 g) = 0.062 mW/g; SAR(10 g) = 0.032 mW/g

Maximum value of SAR (measured) = 0.067 mW/g



Test Laboratory: ELECTRONIC TECHNOLOGY SYSTEMS DR. GENZ GMBH

flat_back_ch46

DUT: USB7100; Type: 2.4GHz Cordless VoIP Phone; Serial: USB7100, USB711

Communication System: 2.4GHz; Frequency: 2481.41 MHz; Duty Cycle: 1:24

Medium: Muscle 2450 MHz Medium parameters used (interpolated): $f = 2481.41$ MHz; $\sigma = 2.05$ mho/m; $\epsilon_r = 52.1$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1711; ConvF(4.1, 4.1, 4.1); Calibrated: 12/16/2003
- Sensor-Surface: 4mm (Mechanical And Optical Surface Detection)
- Electronics: DAE3 Sn522; Calibrated: 1/12/2004
- Phantom: SAM 12; Type: TP-1217; Serial: QD000P40CA
- Measurement SW: DASY4, V4.4 Build 3; Postprocessing SW: SEMCAD, V1.8 Build 130

flat_back_ch46/Area Scan (91x131x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 0.068 mW/g

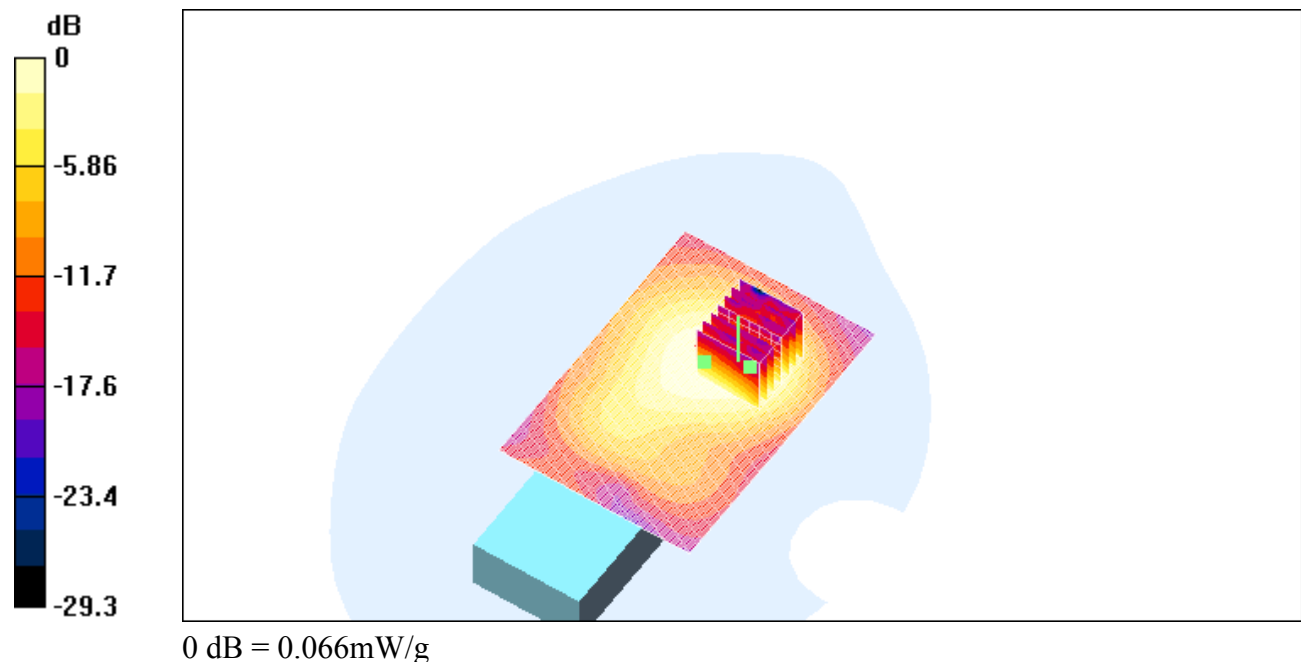
flat_back_ch46/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 3.25 V/m; Power Drift = -0.1 dB

Peak SAR (extrapolated) = 0.154 W/kg

SAR(1 g) = 0.063 mW/g; SAR(10 g) = 0.033 mW/g

Maximum value of SAR (measured) = 0.066 mW/g



Test Laboratory: ELECTRONIC TECHNOLOGY SYSTEMS DR. GENZ GMBH

z_axis_scan

DUT: USB7100; Type: 2.4GHz Cordless VoIP Phone; Serial: USB7100, USB711

Communication System: 2.4GHz; Frequency: 2401.92 MHz; Duty Cycle: 1:24

Medium: Head 2450 MHz Medium parameters used (interpolated): $f = 2401.92$ MHz; $\sigma = 1.83$ mho/m; $\epsilon_r = 38$; $\rho = 1000$ kg/m³

Phantom section: Right Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1711; ConvF(4.6, 4.6, 4.6); Calibrated: 12/16/2003
- Sensor-Surface: 4mm (Mechanical And Optical Surface Detection)
- Electronics: DAE3 Sn522; Calibrated: 1/12/2004
- Phantom: SAM 12; Type: TP-1217; Serial: QD000P40CA
- Measurement SW: DASY4, V4.4 Build 3; Postprocessing SW: SEMCAD, V1.8 Build 130

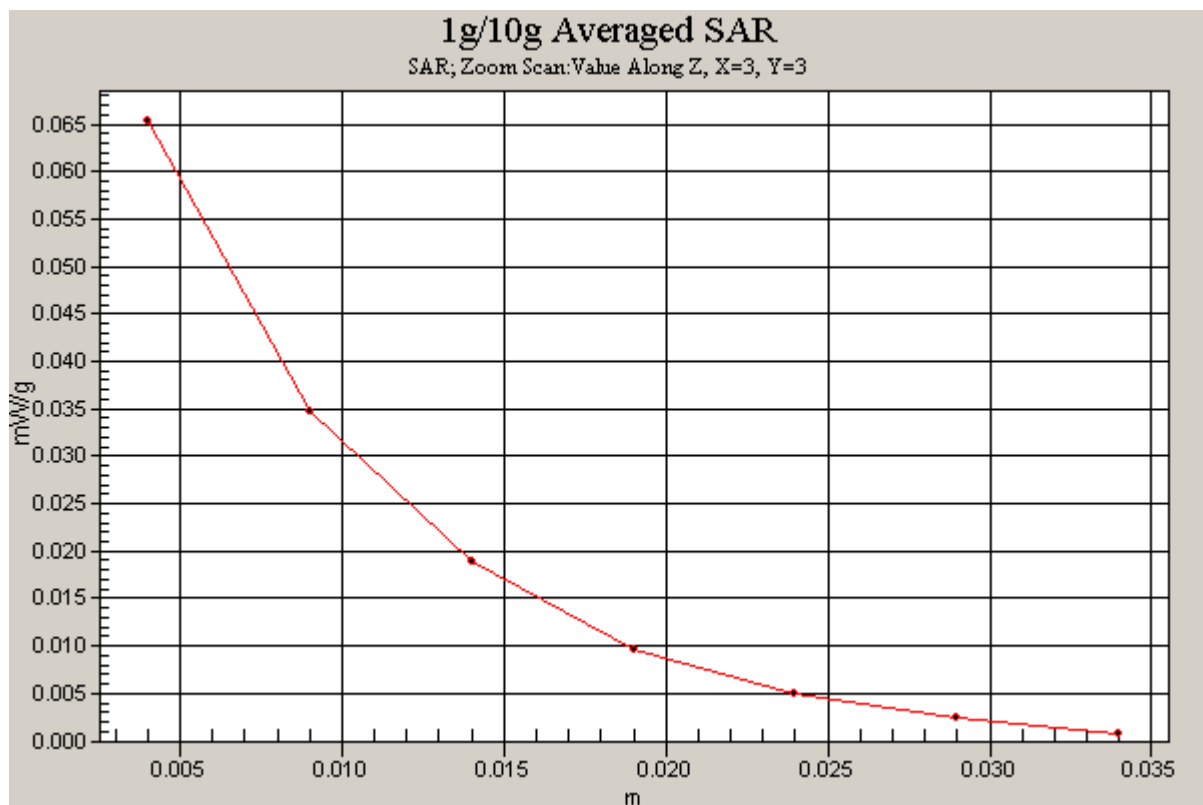
Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 4.38 V/m; Power Drift = -0.0 dB

Peak SAR (extrapolated) = 0.112 W/kg

SAR(1 g) = 0.060 mW/g; SAR(10 g) = 0.032 mW/g

Area Scan (71x131x1): Measurement grid: dx=10mm, dy=10mm



Appendix C

Pictures

Appendix

C. Pictures





