

Appendix B

Measurement Plots

Test Laboratory: ELECTRONIC TECHNOLOGY SYSTEMS DR. GENZ GMBH

Dipol Valid.1900(h)_250mW 8.5.2006

DUT: Dipole 1900 MHz; Type: D1900V2; Serial: 5d025

Communication System: CW; Frequency: 1900 MHz; Duty Cycle: 1:1

Medium: Head 1900 MHz Medium parameters used: $f = 1900$ MHz; $\sigma = 1.42$ mho/m; $\epsilon_r = 39.9$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1711; ConvF(4.84, 4.84, 4.84); Calibrated: 11/21/2005
- Sensor-Surface: 4mm (Mechanical And Optical Surface Detection)
- Electronics: DAE3 Sn522; Calibrated: 11/23/2005
- Phantom: SAM 12; Type: TP-1217; Serial: QD000P40CA
- Measurement SW: DASY4, V4.6 Build 23; Postprocessing SW: SEMCAD, V1.8 Build 160

Dipol 1900 (250mW)/Area Scan (61x81x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 12.2 mW/g

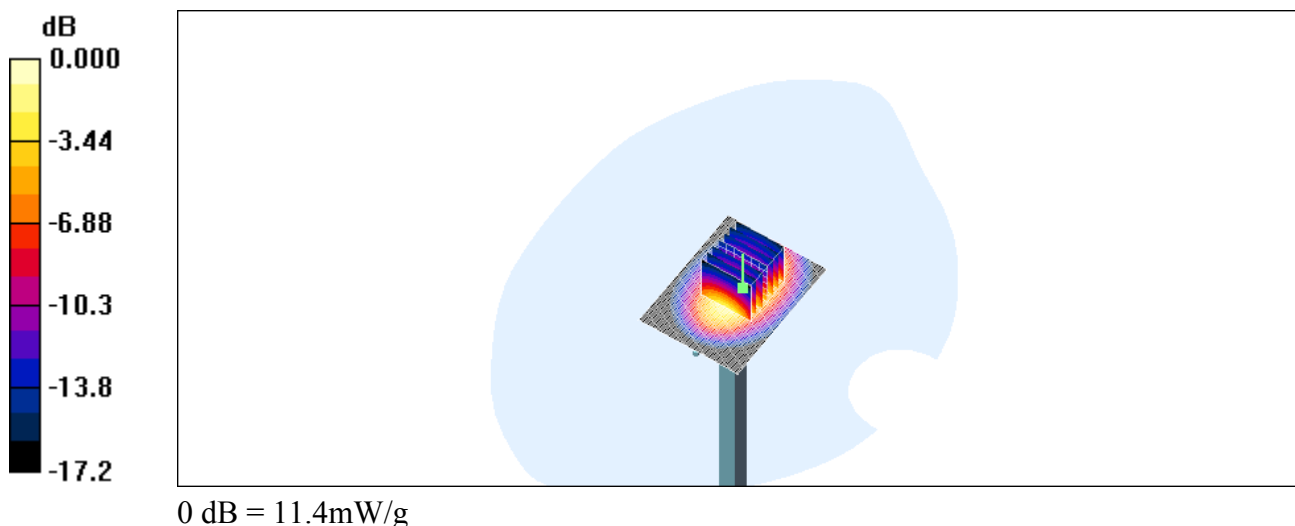
Dipol 1900 (250mW)/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 93.8 V/m; Power Drift = -0.008 dB

Peak SAR (extrapolated) = 17.6 W/kg

SAR(1 g) = 10.2 mW/g; SAR(10 g) = 5.41 mW/g

Maximum value of SAR (measured) = 11.4 mW/g



Test Laboratory: ELECTRONIC TECHNOLOGY SYSTEMS DR. GENZ GMBH

Dipol Valid.1900(m)_250mW 9.5.2006

DUT: Dipole 1900 MHz; Type: D1900V2; Serial: 5d025

Communication System: CW; Frequency: 1900 MHz; Duty Cycle: 1:1

Medium: Muscle 1900 MHz Medium parameters used: $f = 1900 \text{ MHz}$; $\sigma = 1.58 \text{ mho/m}$; $\epsilon_r = 51.9$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1711; ConvF(4.31, 4.31, 4.31); Calibrated: 11/21/2005
- Sensor-Surface: 4mm (Mechanical And Optical Surface Detection)
- Electronics: DAE3 Sn522; Calibrated: 11/23/2005
- Phantom: SAM 12; Type: TP-1217; Serial: QD000P40CA
- Measurement SW: DASY4, V4.6 Build 23; Postprocessing SW: SEMCAD, V1.8 Build 160

Dipol 1900 (250mW)/Area Scan (61x81x1): Measurement grid: $dx=10\text{mm}$, $dy=10\text{mm}$

Maximum value of SAR (interpolated) = 13.8 mW/g

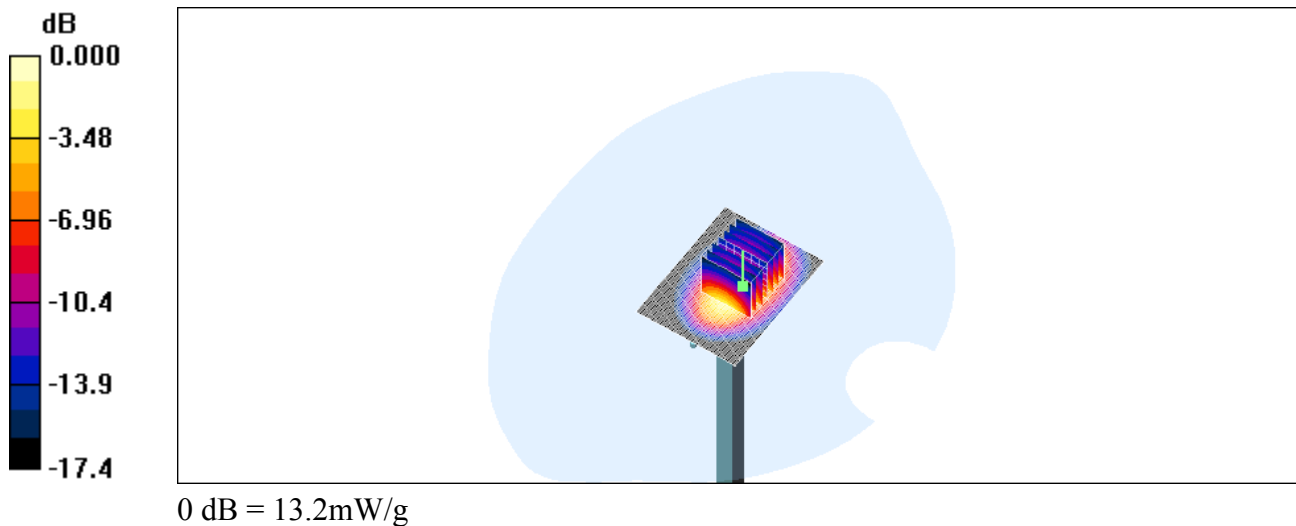
Dipol 1900 (250mW)/Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5\text{mm}$, $dy=5\text{mm}$, $dz=5\text{mm}$

Reference Value = 90.9 V/m ; Power Drift = 0.018 dB

Peak SAR (extrapolated) = 20.1 W/kg

SAR(1 g) = 11.6 mW/g ; SAR(10 g) = 6.04 mW/g

Maximum value of SAR (measured) = 13.2 mW/g



Test Laboratory: ELECTRONIC TECHNOLOGY SYSTEMS DR. GENZ GMBH

left_ch2_cheek

DUT: Uniden America Corporation; Type: DECT 6.0, Handset ; Serial: DCX100 / AMWUU499

Communication System: UPCS single slot; Frequency: 1924.99 MHz; Duty Cycle: 1:24
Medium: Head 1900 MHz Medium parameters used: $f = 1924.99$ MHz; $\sigma = 1.44$ mho/m; $\epsilon_r = 39.7$; $\rho = 1000$ kg/m³
Phantom section: Left Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1711; ConvF(4.54, 4.54, 4.54); Calibrated: 11/21/2005
- Sensor-Surface: 4mm (Mechanical And Optical Surface Detection)
- Electronics: DAE3 Sn522; Calibrated: 11/23/2005
- Phantom: SAM 12; Type: TP-1217; Serial: QD000P40CA
- Measurement SW: DASY4, V4.6 Build 23; Postprocessing SW: SEMCAD, V1.8 Build 160

DCX100 / AMWUU499/Area Scan (71x131x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (interpolated) = 0.013 mW/g

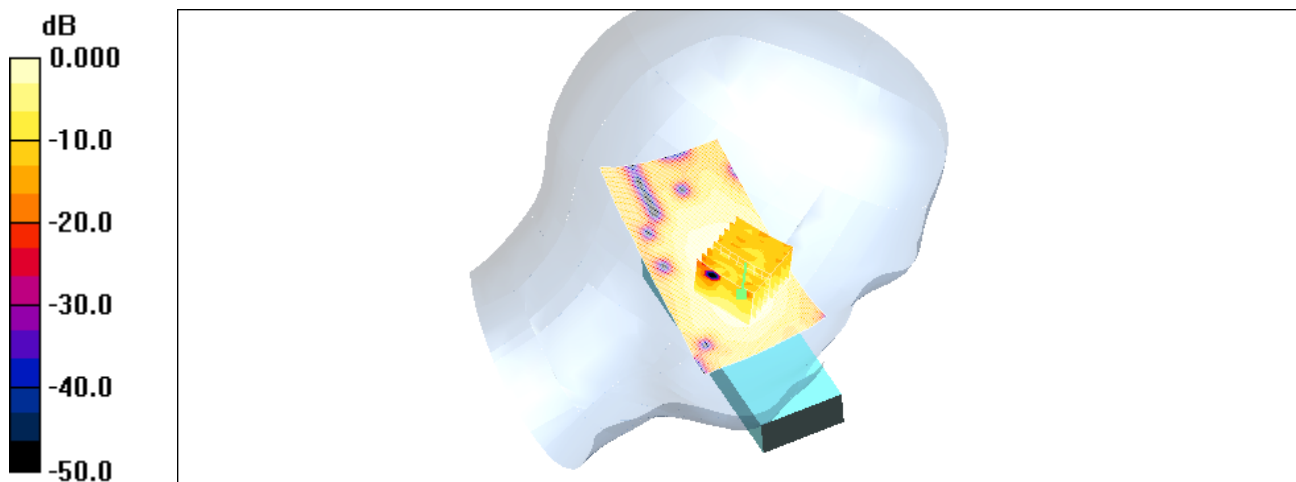
DCX100 / AMWUU499/Zoom Scan (8x8x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 2.44 V/m; Power Drift = 0.048 dB

Peak SAR (extrapolated) = 0.019 W/kg

SAR(1 g) = 0.012 mW/g; SAR(10 g) = 0.00708 mW/g

Maximum value of SAR (measured) = 0.013 mW/g



0 dB = 0.013mW/g

Test Laboratory: ELECTRONIC TECHNOLOGY SYSTEMS DR. GENZ GMBH

left_ch2_tilted

DUT: Uniden America Corporation; Type: DECT 6.0, Handset ; Serial: DCX100 / AMWUU499

Communication System: UPCS single slot; Frequency: 1924.99 MHz; Duty Cycle: 1:24
Medium: Head 1900 MHz Medium parameters used: $f = 1924.99$ MHz; $\sigma = 1.44$ mho/m; $\epsilon_r = 39.7$; $\rho = 1000$ kg/m³
Phantom section: Left Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1711; ConvF(4.54, 4.54, 4.54); Calibrated: 11/21/2005
- Sensor-Surface: 4mm (Mechanical And Optical Surface Detection)
- Electronics: DAE3 Sn522; Calibrated: 11/23/2005
- Phantom: SAM 12; Type: TP-1217; Serial: QD000P40CA
- Measurement SW: DASY4, V4.6 Build 23; Postprocessing SW: SEMCAD, V1.8 Build 160

DCX100 / AMWUU499/Area Scan (71x131x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (interpolated) = 0.010 mW/g

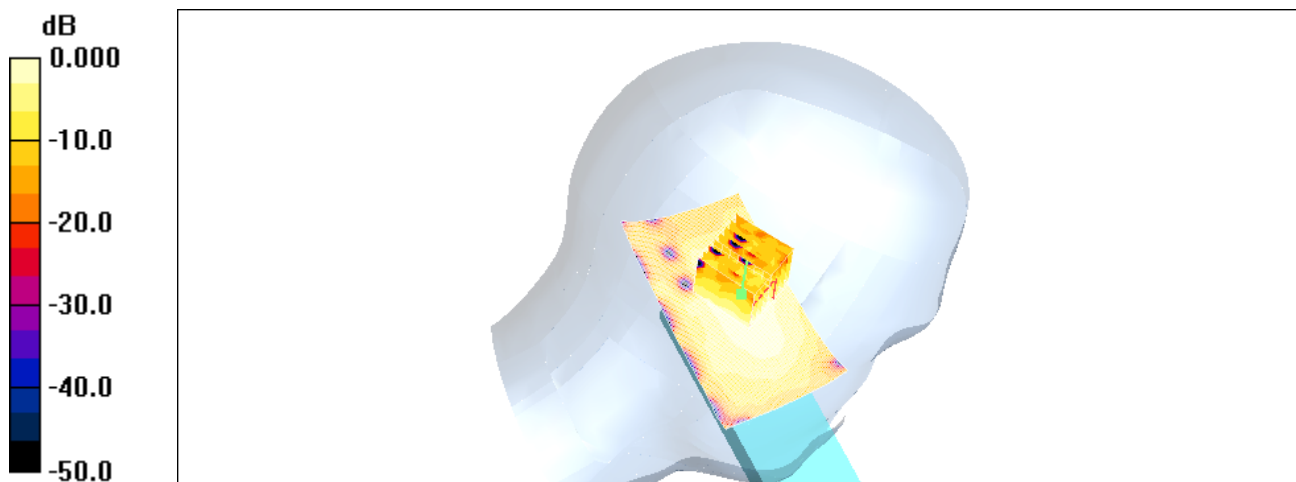
DCX100 / AMWUU499/Zoom Scan (8x8x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 2.27 V/m; Power Drift = 0.035 dB

Peak SAR (extrapolated) = 0.014 W/kg

SAR(1 g) = 0.00836 mW/g; SAR(10 g) = 0.00468 mW/g

Maximum value of SAR (measured) = 0.009 mW/g



0 dB = 0.009mW/g

Test Laboratory: ELECTRONIC TECHNOLOGY SYSTEMS DR. GENZ GMBH

right_ch4_cheek

DUT: Uniden America Corporation; Type: DECT 6.0, Handset ; Serial: DCX100 / AMWUU499

Communication System: UPCS single slot; Frequency: 1921.54 MHz; Duty Cycle: 1:24
Medium: Head 1900 MHz Medium parameters used: $f = 1921.54 \text{ MHz}$; $\sigma = 1.44 \text{ mho/m}$; $\epsilon_r = 39.7$; $\rho = 1000 \text{ kg/m}^3$
Phantom section: Right Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1711; ConvF(4.54, 4.54, 4.54); Calibrated: 11/21/2005
- Sensor-Surface: 4mm (Mechanical And Optical Surface Detection)
- Electronics: DAE3 Sn522; Calibrated: 11/23/2005
- Phantom: SAM 12; Type: TP-1217; Serial: QD000P40CA
- Measurement SW: DASY4, V4.6 Build 23; Postprocessing SW: SEMCAD, V1.8 Build 160

DCX100 / AMWUU499/Area Scan (71x131x1): Measurement grid: $dx=10\text{mm}$, $dy=10\text{mm}$
Maximum value of SAR (interpolated) = 0.016 mW/g

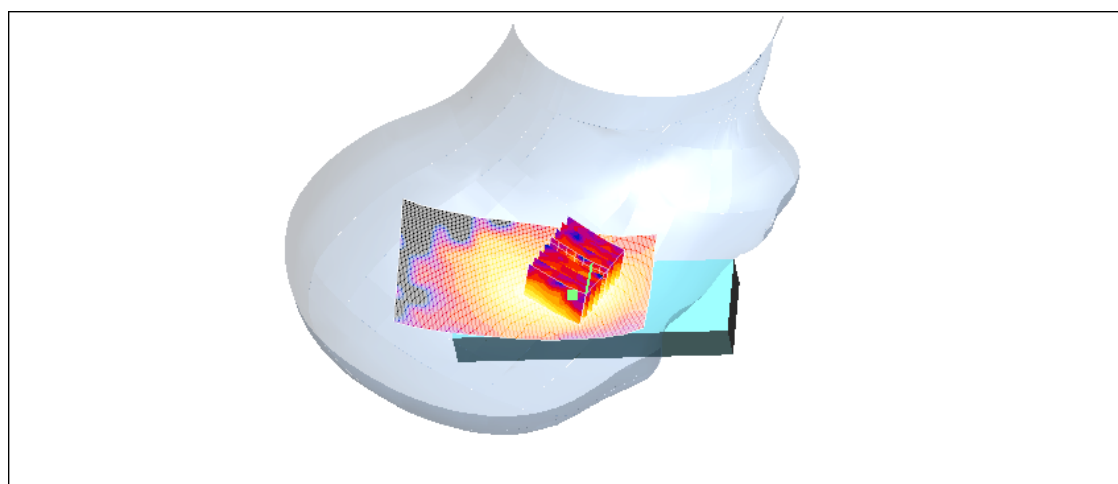
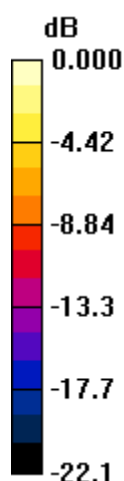
DCX100 / AMWUU499/Zoom Scan (8x8x7)/Cube 0: Measurement grid: $dx=5\text{mm}$, $dy=5\text{mm}$, $dz=5\text{mm}$

Reference Value = 2.49 V/m ; Power Drift = -0.023 dB

Peak SAR (extrapolated) = 0.035 W/kg

SAR(1 g) = 0.014 mW/g ; SAR(10 g) = 0.00845 mW/g

Maximum value of SAR (measured) = 0.016 mW/g



0 dB = 0.016 mW/g

Test Laboratory: ELECTRONIC TECHNOLOGY SYSTEMS DR. GENZ GMBH

right_ch2_cheek

DUT: Uniden America Corporation; Type: DECT 6.0, Handset ; Serial: DCX100 / AMWUU499

Communication System: UPCS single slot; Frequency: 1924.99 MHz; Duty Cycle: 1:24
Medium: Head 1900 MHz Medium parameters used: $f = 1924.99$ MHz; $\sigma = 1.44$ mho/m; $\epsilon_r = 39.7$; $\rho = 1000$ kg/m³
Phantom section: Right Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1711; ConvF(4.54, 4.54, 4.54); Calibrated: 11/21/2005
- Sensor-Surface: 4mm (Mechanical And Optical Surface Detection)
- Electronics: DAE3 Sn522; Calibrated: 11/23/2005
- Phantom: SAM 12; Type: TP-1217; Serial: QD000P40CA
- Measurement SW: DASY4, V4.6 Build 23; Postprocessing SW: SEMCAD, V1.8 Build 160

DCX100 / AMWUU499/Area Scan (71x131x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (interpolated) = 0.015 mW/g

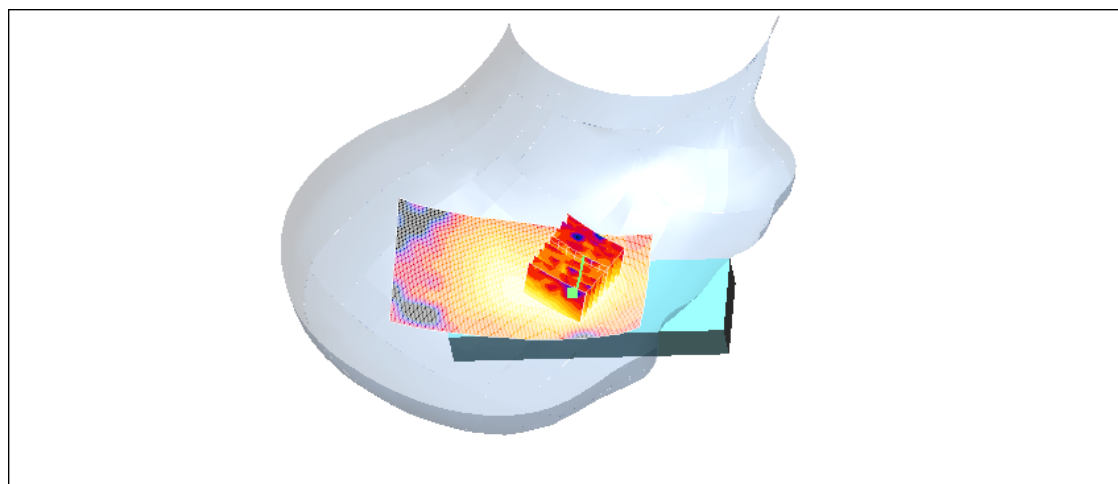
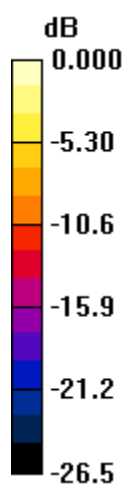
DCX100 / AMWUU499/Zoom Scan (8x8x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 2.51 V/m; Power Drift = -0.081 dB

Peak SAR (extrapolated) = 0.021 W/kg

SAR(1 g) = 0.014 mW/g; SAR(10 g) = 0.00829 mW/g

Maximum value of SAR (measured) = 0.015 mW/g



0 dB = 0.015mW/g

Test Laboratory: ELECTRONIC TECHNOLOGY SYSTEMS DR. GENZ GMBH

right_ch2_tilted

DUT: Uniden America Corporation; Type: DECT 6.0, Handset ; Serial: DCX100 / AMWUU499

Communication System: UPCS single slot; Frequency: 1924.99 MHz; Duty Cycle: 1:24
Medium: Head 1900 MHz Medium parameters used: $f = 1924.99$ MHz; $\sigma = 1.44$ mho/m; $\epsilon_r = 39.7$; $\rho = 1000$ kg/m³
Phantom section: Right Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1711; ConvF(4.54, 4.54, 4.54); Calibrated: 11/21/2005
- Sensor-Surface: 4mm (Mechanical And Optical Surface Detection)
- Electronics: DAE3 Sn522; Calibrated: 11/23/2005
- Phantom: SAM 12; Type: TP-1217; Serial: QD000P40CA
- Measurement SW: DASY4, V4.6 Build 23; Postprocessing SW: SEMCAD, V1.8 Build 160

DCX100 / AMWUU499/Area Scan (71x131x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (interpolated) = 0.010 mW/g

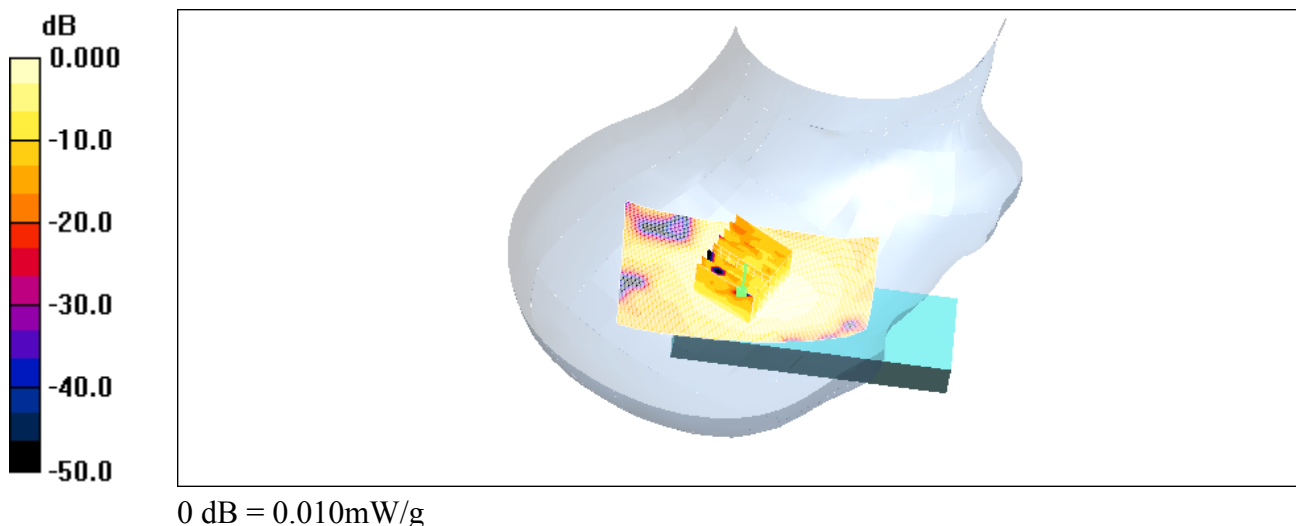
DCX100 / AMWUU499/Zoom Scan (8x8x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 2.48 V/m; Power Drift = -0.020 dB

Peak SAR (extrapolated) = 0.014 W/kg

SAR(1 g) = 0.0089 mW/g; SAR(10 g) = 0.00513 mW/g

Maximum value of SAR (measured) = 0.010 mW/g



Test Laboratory: ELECTRONIC TECHNOLOGY SYSTEMS DR. GENZ GMBH

right_ch0_cheek

DUT: Uniden America Corporation; Type: DECT 6.0, Handset ; Serial: DCX100 / AMWUU499

Communication System: UPCS single slot; Frequency: 1928.45 MHz; Duty Cycle: 1:24
Medium: Head 1900 MHz Medium parameters used: $f = 1928.45 \text{ MHz}$; $\sigma = 1.45 \text{ mho/m}$; $\epsilon_r = 39.6$; $\rho = 1000 \text{ kg/m}^3$
Phantom section: Right Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1711; ConvF(4.54, 4.54, 4.54); Calibrated: 11/21/2005
- Sensor-Surface: 4mm (Mechanical And Optical Surface Detection)
- Electronics: DAE3 Sn522; Calibrated: 11/23/2005
- Phantom: SAM 12; Type: TP-1217; Serial: QD000P40CA
- Measurement SW: DASY4, V4.6 Build 23; Postprocessing SW: SEMCAD, V1.8 Build 160

DCX100 / AMWUU499/Area Scan (71x131x1): Measurement grid: $dx=10\text{mm}$, $dy=10\text{mm}$
Maximum value of SAR (interpolated) = 0.015 mW/g

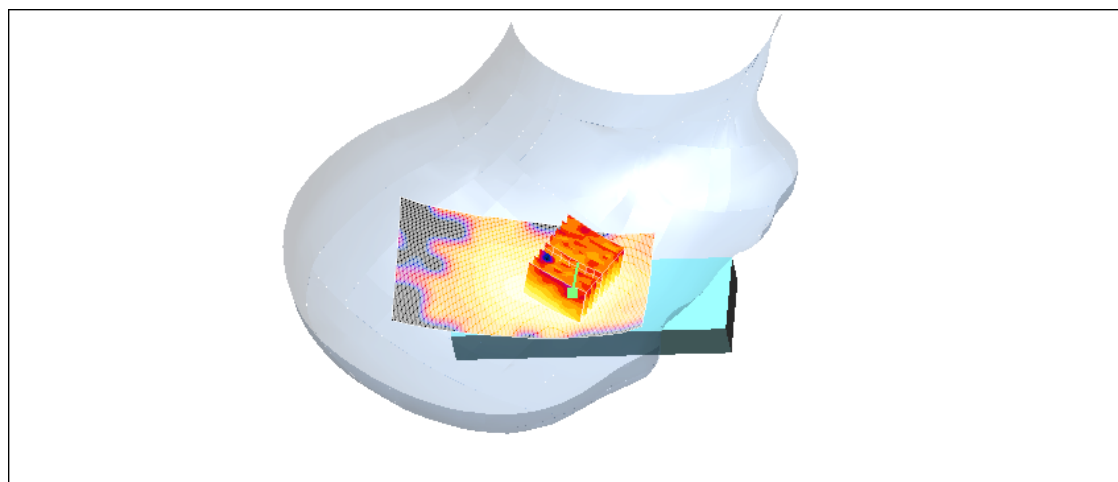
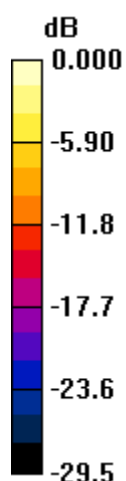
DCX100 / AMWUU499/Zoom Scan (8x8x7)/Cube 0: Measurement grid: $dx=5\text{mm}$, $dy=5\text{mm}$, $dz=5\text{mm}$

Reference Value = 2.42 V/m ; Power Drift = -0.082 dB

Peak SAR (extrapolated) = 0.022 W/kg

SAR(1 g) = 0.013 mW/g ; SAR(10 g) = 0.00792 mW/g

Maximum value of SAR (measured) = 0.015 mW/g



0 dB = 0.015 mW/g

Test Laboratory: ELECTRONIC TECHNOLOGY SYSTEMS DR. GENZ GMBH

flat_ch4_back

DUT: Uniden America Corporation; Type: DECT 6.0, Handset ; Serial: DCX100 / AMWUU499

Communication System: UPCS single slot; Frequency: 1921.54 MHz; Duty Cycle: 1:24
Medium: Muscle 1900 MHz Medium parameters used: $f = 1921.54 \text{ MHz}$; $\sigma = 1.6 \text{ mho/m}$; $\epsilon_r = 51.9$;
 $\rho = 1000 \text{ kg/m}^3$
Phantom section: Flat Section

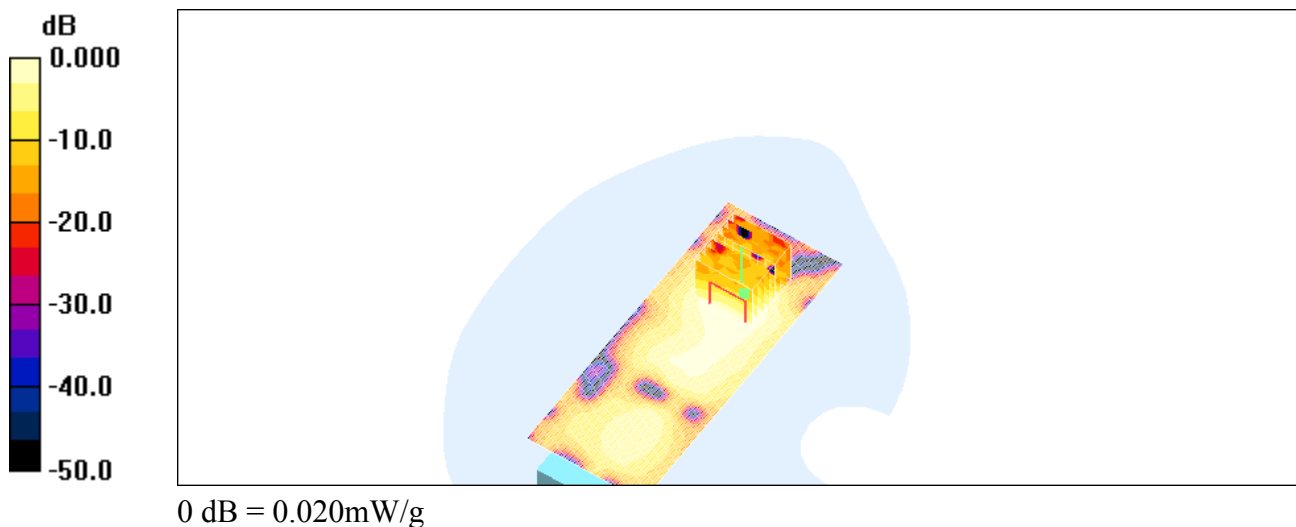
DASY4 Configuration:

- Probe: ET3DV6 - SN1711; ConvF(4.13, 4.13, 4.13); Calibrated: 11/21/2005
- Sensor-Surface: 4mm (Mechanical And Optical Surface Detection)
- Electronics: DAE3 Sn522; Calibrated: 11/23/2005
- Phantom: SAM 12; Type: TP-1217; Serial: QD000P40CA
- Measurement SW: DASY4, V4.6 Build 23; Postprocessing SW: SEMCAD, V1.8 Build 160

DCX100 / AMWUU499/Area Scan (71x181x1): Measurement grid: $dx=10\text{mm}$, $dy=10\text{mm}$
Maximum value of SAR (interpolated) = 0.023 mW/g

DCX100 / AMWUU499/Zoom Scan (8x8x7)/Cube 0: Measurement grid: $dx=5\text{mm}$,
 $dy=5\text{mm}$, $dz=5\text{mm}$
Reference Value = 2.60 V/m ; Power Drift = -0.089 dB
Peak SAR (extrapolated) = 0.079 W/kg
SAR(1 g) = 0.018 mW/g ; SAR(10 g) = 0.0098 mW/g

Maximum value of SAR (measured) = 0.020 mW/g



Test Laboratory: ELECTRONIC TECHNOLOGY SYSTEMS DR. GENZ GMBH

flat_ch2_front

DUT: Uniden America Corporation; Type: DECT 6.0, Handset ; Serial: DCX100 / AMWUU499

Communication System: UPCS single slot; Frequency: 1924.99 MHz; Duty Cycle: 1:24
Medium: Muscle 1900 MHz Medium parameters used: $f = 1924.99$ MHz; $\sigma = 1.6$ mho/m; $\epsilon_r = 51.9$;
 $\rho = 1000$ kg/m³
Phantom section: Flat Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1711; ConvF(4.13, 4.13, 4.13); Calibrated: 11/21/2005
- Sensor-Surface: 4mm (Mechanical And Optical Surface Detection)
- Electronics: DAE3 Sn522; Calibrated: 11/23/2005
- Phantom: SAM 12; Type: TP-1217; Serial: QD000P40CA
- Measurement SW: DASY4, V4.6 Build 23; Postprocessing SW: SEMCAD, V1.8 Build 160

DCX100 / AMWUU499/Area Scan (71x131x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (interpolated) = 0.013 mW/g

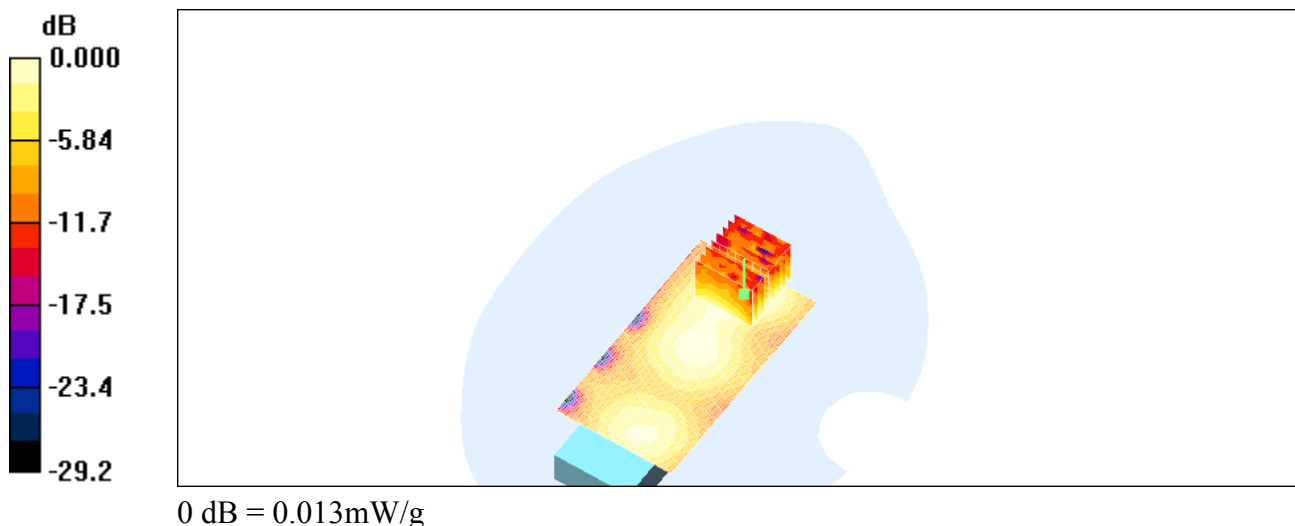
DCX100 / AMWUU499/Zoom Scan (8x8x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 2.69 V/m; Power Drift = -0.071 dB

Peak SAR (extrapolated) = 0.020 W/kg

SAR(1 g) = 0.012 mW/g; SAR(10 g) = 0.00659 mW/g

Maximum value of SAR (measured) = 0.013 mW/g



Test Laboratory: ELECTRONIC TECHNOLOGY SYSTEMS DR. GENZ GMBH

flat_ch2_back

DUT: Uniden America Corporation; Type: DECT 6.0, Handset ; Serial: DCX100 / AMWUU499

Communication System: UPCS single slot; Frequency: 1924.99 MHz; Duty Cycle: 1:24
Medium: Muscle 1900 MHz Medium parameters used: $f = 1924.99$ MHz; $\sigma = 1.6$ mho/m; $\epsilon_r = 51.9$;
 $\rho = 1000$ kg/m³
Phantom section: Flat Section

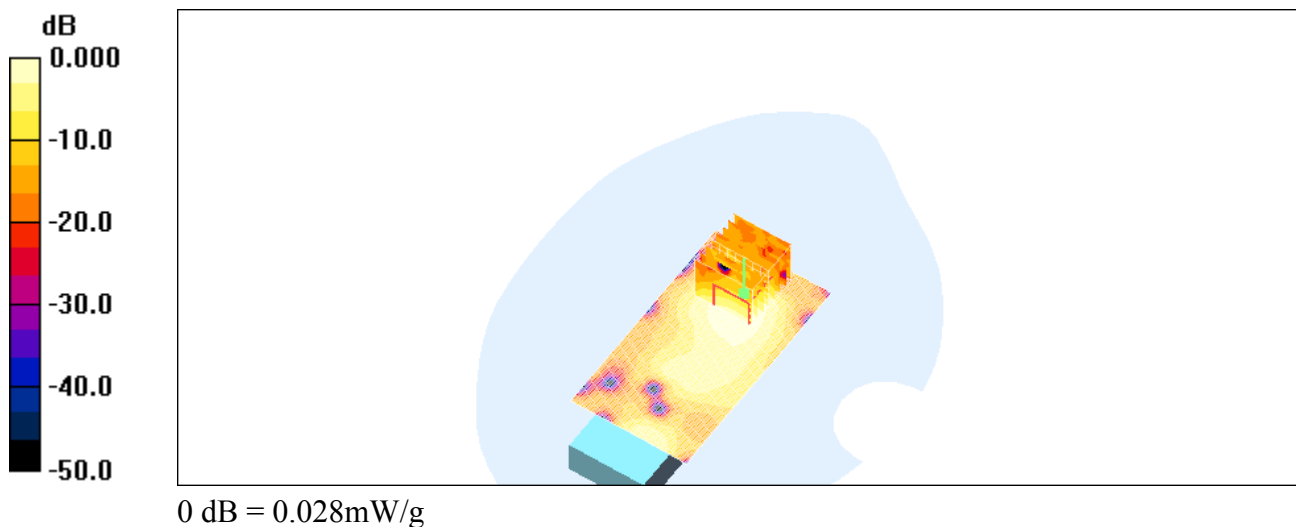
DASY4 Configuration:

- Probe: ET3DV6 - SN1711; ConvF(4.13, 4.13, 4.13); Calibrated: 11/21/2005
- Sensor-Surface: 4mm (Mechanical And Optical Surface Detection)
- Electronics: DAE3 Sn522; Calibrated: 11/23/2005
- Phantom: SAM 12; Type: TP-1217; Serial: QD000P40CA
- Measurement SW: DASY4, V4.6 Build 23; Postprocessing SW: SEMCAD, V1.8 Build 160

DCX100 / AMWUU499/Area Scan (71x131x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (interpolated) = 0.032 mW/g

DCX100 / AMWUU499/Zoom Scan (8x8x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 3.23 V/m; Power Drift = -0.022 dB
Peak SAR (extrapolated) = 0.056 W/kg
SAR(1 g) = 0.023 mW/g; SAR(10 g) = 0.011 mW/g

Maximum value of SAR (measured) = 0.028 mW/g



Test Laboratory: ELECTRONIC TECHNOLOGY SYSTEMS DR. GENZ GMBH

flat_ch0_back

DUT: Uniden America Corporation; Type: DECT 6.0, Handset ; Serial: DCX100 / AMWUU499

Communication System: UPCS single slot; Frequency: 1928.45 MHz; Duty Cycle: 1:24
Medium: Muscle 1900 MHz Medium parameters used: $f = 1928.54$ MHz; $\sigma = 1.61$ mho/m; $\epsilon_r = 51.8$;
 $\rho = 1000$ kg/m³
Phantom section: Flat Section

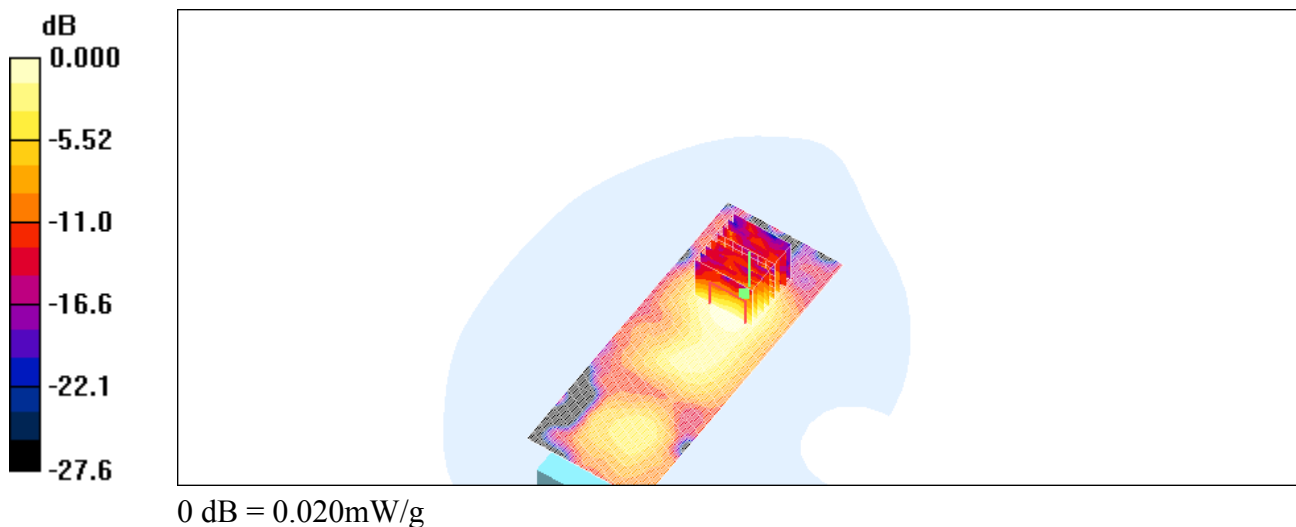
DASY4 Configuration:

- Probe: ET3DV6 - SN1711; ConvF(4.13, 4.13, 4.13); Calibrated: 11/21/2005
- Sensor-Surface: 4mm (Mechanical And Optical Surface Detection)
- Electronics: DAE3 Sn522; Calibrated: 11/23/2005
- Phantom: SAM 12; Type: TP-1217; Serial: QD000P40CA
- Measurement SW: DASY4, V4.6 Build 23; Postprocessing SW: SEMCAD, V1.8 Build 160

DCX100 / AMWUU499/Area Scan (71x181x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (interpolated) = 0.021 mW/g

DCX100 / AMWUU499/Zoom Scan (8x8x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 2.49 V/m; Power Drift = 0.023 dB
Peak SAR (extrapolated) = 0.031 W/kg
SAR(1 g) = 0.017 mW/g; SAR(10 g) = 0.00926 mW/g

Maximum value of SAR (measured) = 0.020 mW/g



Test Laboratory: ELECTRONIC TECHNOLOGY SYSTEMS DR. GENZ GMBH

flat_ch2_back z-axis-scan

DUT: Uniden America Corporation; Type: DECT 6.0, Handset ; Serial: DCX100 / AMWUU499

Communication System: UPCS single slot; Frequency: 1924.99 MHz; Duty Cycle: 1:24
Medium: Muscle 1900 MHz Medium parameters used: $f = 1924.99$ MHz; $\sigma = 1.6$ mho/m; $\epsilon_r = 51.9$;
 $\rho = 1000$ kg/m³
Phantom section: Flat Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1711; ConvF(4.13, 4.13, 4.13); Calibrated: 11/21/2005
- Sensor-Surface: 4mm (Mechanical And Optical Surface Detection)
- Electronics: DAE3 Sn522; Calibrated: 11/23/2005
- Phantom: SAM 12; Type: TP-1217; Serial: QD000P40CA
- Measurement SW: DASY4, V4.6 Build 23; Postprocessing SW: SEMCAD, V1.8 Build 160

DCX100 / AMWUU499/Area Scan (71x131x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (interpolated) = 0.032 mW/g

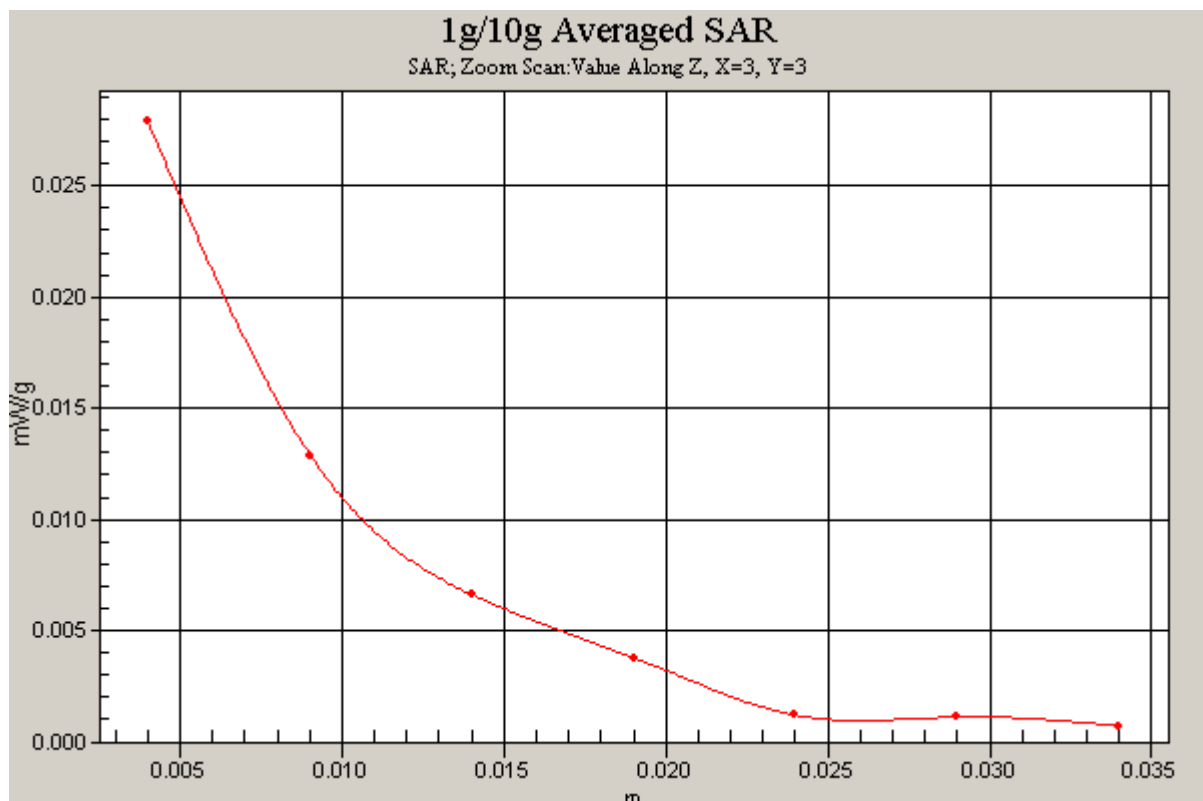
DCX100 / AMWUU499/Zoom Scan (8x8x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 3.23 V/m; Power Drift = -0.122 dB

Peak SAR (extrapolated) = 0.056 W/kg

SAR(1 g) = 0.023 mW/g; SAR(10 g) = 0.011 mW/g

Maximum value of SAR (measured) = 0.028 mW/g



Appendix C

Pictures

Appendix

C. Pictures



