

APPENDIX A: SAR TEST DATA

PCTEST ENGINEERING LABORATORY, INC.

DUT: IHDP56MF2; Type: Portable Tablet Computer; Serial: TA30200108

Communication System: IEEE 802.11a; Frequency: 5240 MHz; Duty Cycle: 1:1

Medium: 5 GHz Body Medium parameters used:

$f = 5240 \text{ MHz}$; $\sigma = 5.391 \text{ mho/m}$; $\epsilon_r = 49.207$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section; Space: 0.0 cm

Test Date: 11-17-2011; Ambient Temp: 23.2°C; Tissue Temp: 22.2°C

Probe: EX3DV4 - SN3550; ConvF(3.58, 3.58, 3.58); Calibrated: 2/14/2011

Sensor-Surface: 2mm (Mechanical Surface Detection)

Electronics: DAE4 Sn704; Calibrated: 9/16/2011

Phantom: SAM v5.0 front; Type: QD000P40CD; Serial: TP-1646

Measurement SW: DASY5 PRO V52.6.2.482; SEMCAD X Version 14.4.5 (3634)

Mode: WLAN 802.11a 5.2 GHz, Body Back, Ch 48, 6 Mbps

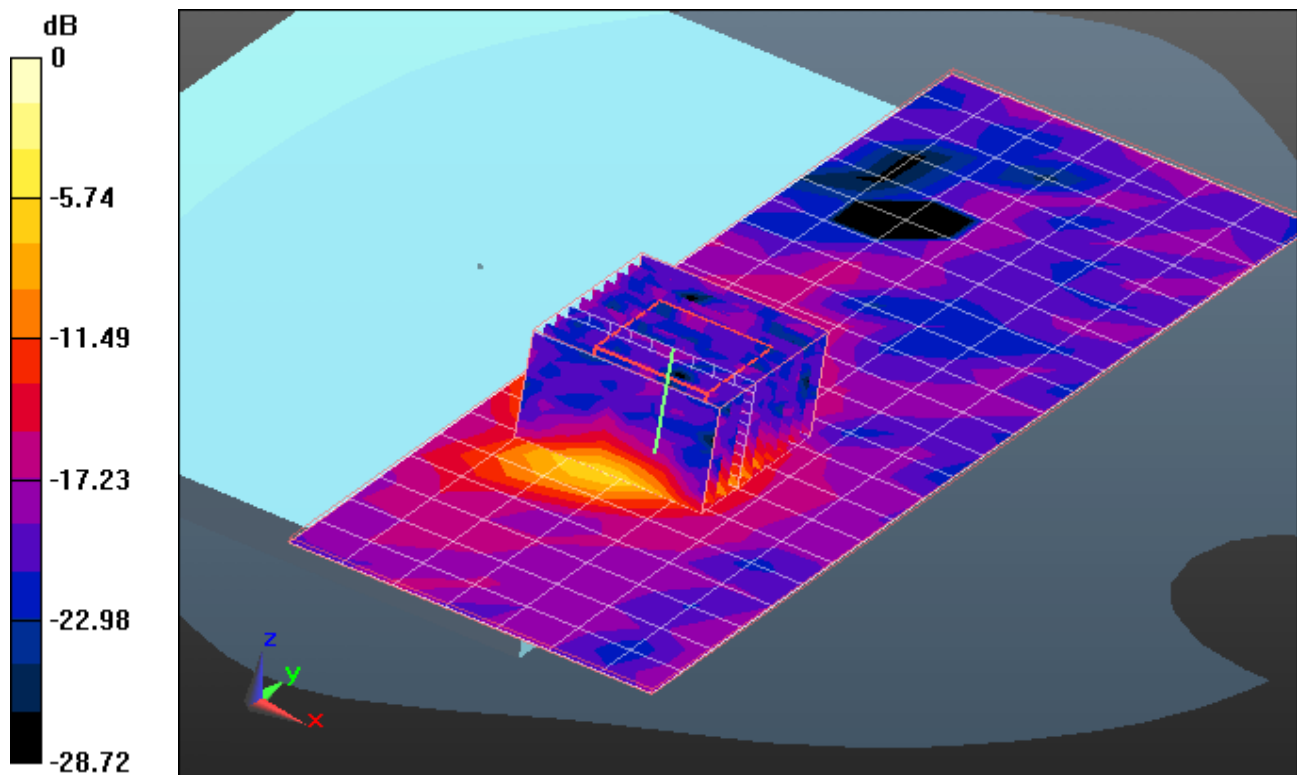
Area Scan (8x23x1): Measurement grid: $dx=10\text{mm}$, $dy=10\text{mm}$

Zoom Scan (10x10x11)/Cube 0: Measurement grid: $dx=4\text{mm}$, $dy=4\text{mm}$, $dz=2\text{mm}$

Reference Value = 14.801 V/m; Power Drift = 0.012

Peak SAR (extrapolated) = 4.412 W/kg

SAR(1 g) = 0.920 mW/g; SAR(10 g) = 0.256 mW/g



0 dB = 1.850mW/g

PCTEST ENGINEERING LABORATORY, INC.

DUT: IHDP56MF2; Type: Portable Tablet Computer; Serial: TA30200108

Communication System: IEEE 802.11a; Frequency: 5240 MHz; Duty Cycle: 1:1

Medium: 5 GHz Body Medium parameters used:

$f = 5240 \text{ MHz}$; $\sigma = 5.391 \text{ mho/m}$; $\epsilon_r = 49.207$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section; Space: 0.0 cm

Test Date: 11-17-2011; Ambient Temp: 23.2°C; Tissue Temp: 22.2°C

Probe: EX3DV4 - SN3550; ConvF(3.58, 3.58, 3.58); Calibrated: 2/14/2011

Sensor-Surface: 2mm (Mechanical Surface Detection)

Electronics: DAE4 Sn704; Calibrated: 9/16/2011

Phantom: SAM v5.0 front; Type: QD000P40CD; Serial: TP-1646

Measurement SW: DASY5 PRO V52.6.2.482; SEMCAD X Version 14.4.5 (3634)

Mode: WLAN 802.11a 5.2 GHz, Body Top, Ch 48, 6 Mbps

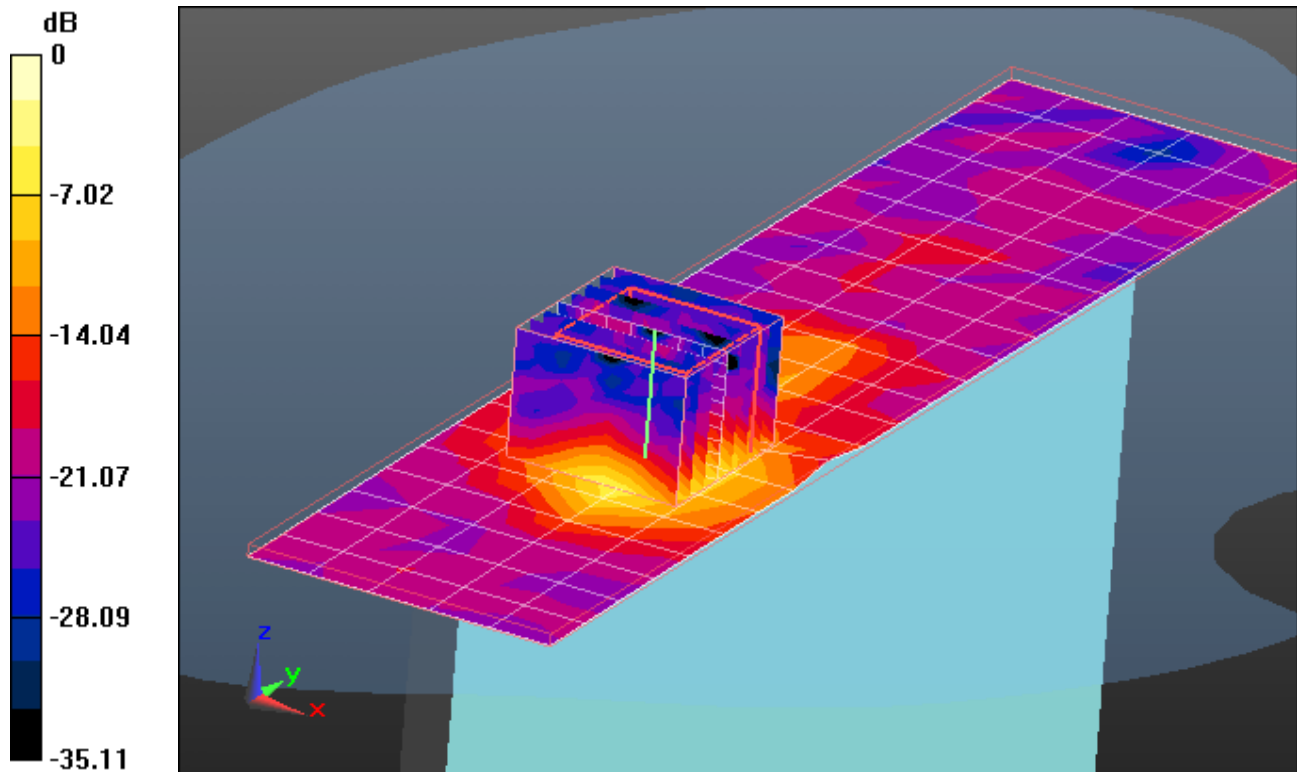
Area Scan (6x23x1): Measurement grid: $dx=10\text{mm}$, $dy=10\text{mm}$

Zoom Scan (8x8x11)/Cube 0: Measurement grid: $dx=4\text{mm}$, $dy=4\text{mm}$, $dz=2\text{mm}$

Reference Value = 17.157 V/m; Power Drift = 0.17 dB

Peak SAR (extrapolated) = 4.605 W/kg

SAR(1 g) = 0.995 mW/g; SAR(10 g) = 0.305 mW/g



0 dB = 2.050mW/g

APPENDIX B: SYSTEM VERIFICATION

PCTEST ENGINEERING LABORATORY, INC.

DUT: Dipole D5GHzV2; Type: D5GHzV2; Serial: 1057

Communication System: CW; Frequency: 5200 MHz; Duty Cycle: 1:1

Medium: 5 GHz Body Medium parameters used:

$f = 5200 \text{ MHz}$; $\sigma = 5.198 \text{ mho/m}$; $\epsilon_r = 49.48$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section; Space: 1.0 cm

Test Date: 11-17-2011; Ambient Temp: 23.2°C; Tissue Temp: 22.2° C

Probe: EX3DV4 - SN3550; ConvF(3.58, 3.58, 3.58); Calibrated: 2/14/2011

Sensor-Surface: 2mm (Mechanical Surface Detection)

Electronics: DAE4 Sn704; Calibrated: 9/16/2011

Phantom: SAM v5.0 front; Type: QD000P40CD; Serial: TP-1646

Measurement SW: DASY5 PRO V52.6.2.482; SEMCAD X Version 14.4.5 (3634)

Mode: 5200MHz System Verification

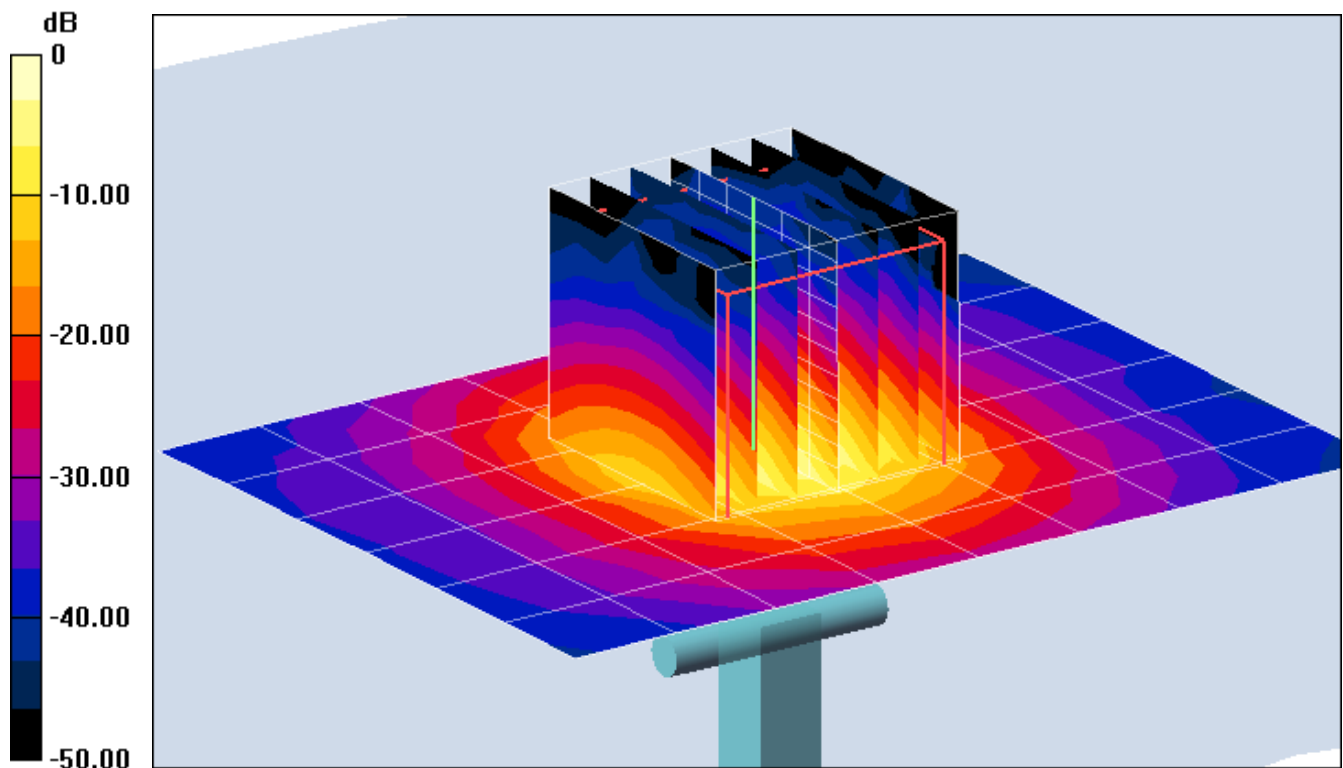
Area Scan (7x9x1): Measurement grid: $dx=10\text{mm}$, $dy=10\text{mm}$

Zoom Scan (7x7x12)/Cube 0: Measurement grid: $dx=4\text{mm}$, $dy=4\text{mm}$, $dz=2\text{mm}$

Input Power = 14.0 dBm (25 mW)

SAR(1 g) = 1.99 mW/g; SAR(10 g) = 0.565 mW/g

Deviation = 2.45 %



0 dB = 4.150mW/g

PCTEST ENGINEERING LABORATORY, INC.

DUT: Dipole D5GHzV2; Type: D5GHzV2; Serial: 1057

Communication System: CW; Frequency: 5200 MHz; Duty Cycle: 1:1

Medium: 5 GHz Body Medium parameters used:

$f = 5200 \text{ MHz}$; $\sigma = 5.198 \text{ mho/m}$; $\epsilon_r = 49.48$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section; Space: 1.0 cm

Test Date: 11-17-2011; Ambient Temp: 23.2°C; Tissue Temp: 22.2° C

Probe: EX3DV4 - SN3550; ConvF(3.58, 3.58, 3.58); Calibrated: 2/14/2011

Sensor-Surface: 2mm (Mechanical Surface Detection)

Electronics: DAE4 Sn704; Calibrated: 9/16/2011

Phantom: SAM v5.0 front; Type: QD000P40CD; Serial: TP-1646

Measurement SW: DASY5 PRO V52.6.2.482; SEMCAD X Version 14.4.5 (3634)

Mode: 5200MHz System Verification

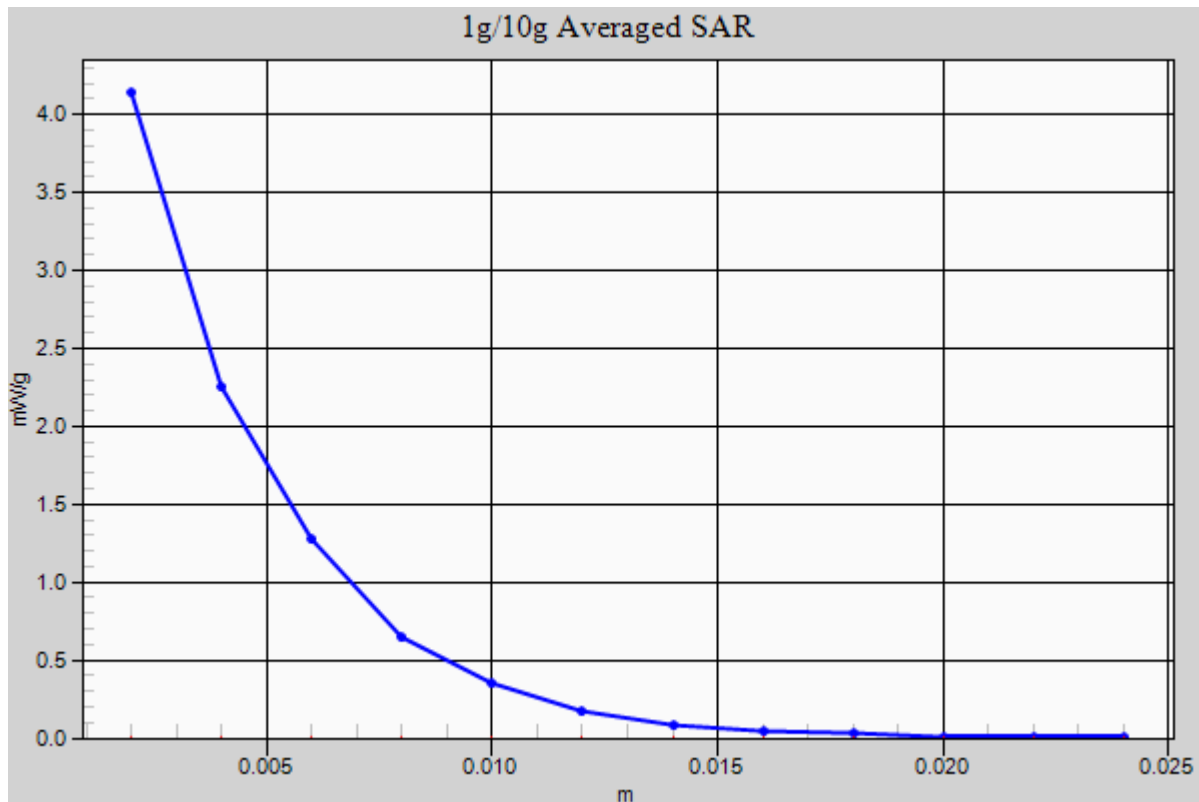
Area Scan (7x9x1): Measurement grid: dx=10mm, dy=10mm

Zoom Scan (7x7x12)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm

Input Power = 14.0 dBm (25 mW)

SAR(1 g) = 1.99 mW/g; SAR(10 g) = 0.565 mW/g

Deviation = 2.45 %



PCTEST ENGINEERING LABORATORY, INC.

DUT: Dipole D5GHzV2; Type: D5GHzV2; Serial: 1057

Communication System: CW; Frequency: 5500 MHz; Duty Cycle: 1:1

Medium: 5 GHz Body Medium parameters used:

$f = 5500 \text{ MHz}$; $\sigma = 5.794 \text{ mho/m}$; $\epsilon_r = 48.70$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section; Space: 1.0 cm

Test Date: 11-17-2011; Ambient Temp: 23.4°C; Tissue Temp: 22.7°C

Probe: EX3DV4 - SN3550; ConvF(3.21, 3.21, 3.21); Calibrated: 2/14/2011

Sensor-Surface: 2mm (Mechanical Surface Detection)

Electronics: DAE4 Sn704; Calibrated: 9/16/2011

Phantom: SAM v5.0 front; Type: QD000P40CD; Serial: TP-1646

Measurement SW: DASY52, Version 52.6 (2); SEMCAD X Version 14.4.5 (3634)

Mode: 5500MHz System Verification

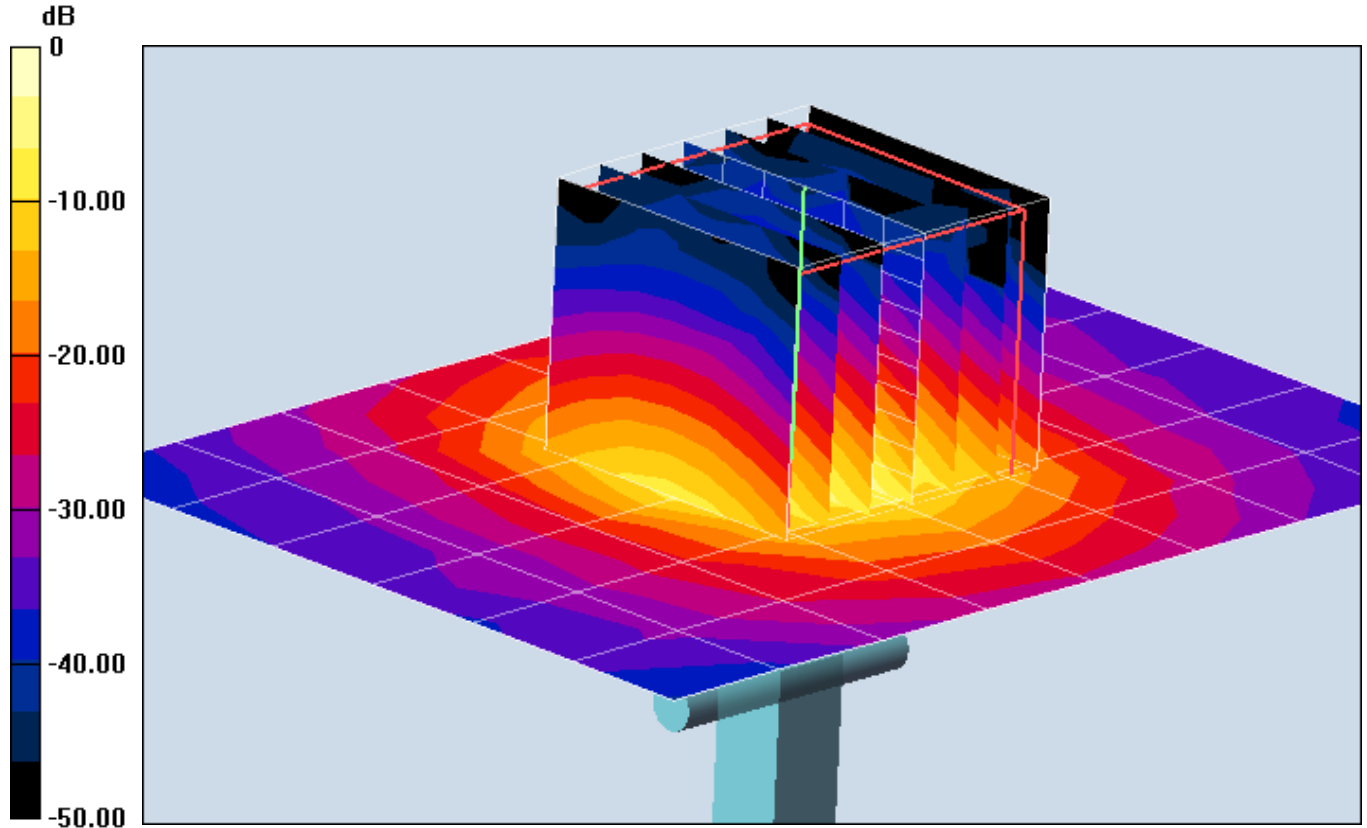
Area Scan (7x9x1): Measurement grid: dx=10mm, dy=10mm

Zoom Scan (7x7x11)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm

Input Power = 14.0 dBm (25 mW)

SAR(1 g) = 2.14 mW/g; SAR(10 g) = 0.589 mW/g

Deviation = 1.42 %



0 dB = 4.430mW/g

PCTEST ENGINEERING LABORATORY, INC.

DUT: Dipole D5GHzV2; Type: D5GHzV2; Serial: 1057

Communication System: CW; Frequency: 5500 MHz; Duty Cycle: 1:1

Medium: 5 GHz Body Medium parameters used:

$f = 5500 \text{ MHz}$; $\sigma = 5.794 \text{ mho/m}$; $\epsilon_r = 48.70$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section; Space: 1.0 cm

Test Date: 11-17-2011; Ambient Temp: 23.4°C; Tissue Temp: 22.7°C

Probe: EX3DV4 - SN3550; ConvF(3.21, 3.21, 3.21); Calibrated: 2/14/2011

Sensor-Surface: 2mm (Mechanical Surface Detection)

Electronics: DAE4 Sn704; Calibrated: 9/16/2011

Phantom: SAM v5.0 front; Type: QD000P40CD; Serial: TP-1646

Measurement SW: DASY52, Version 52.6 (2); SEMCAD X Version 14.4.5 (3634)

Mode: 5500MHz System Verification

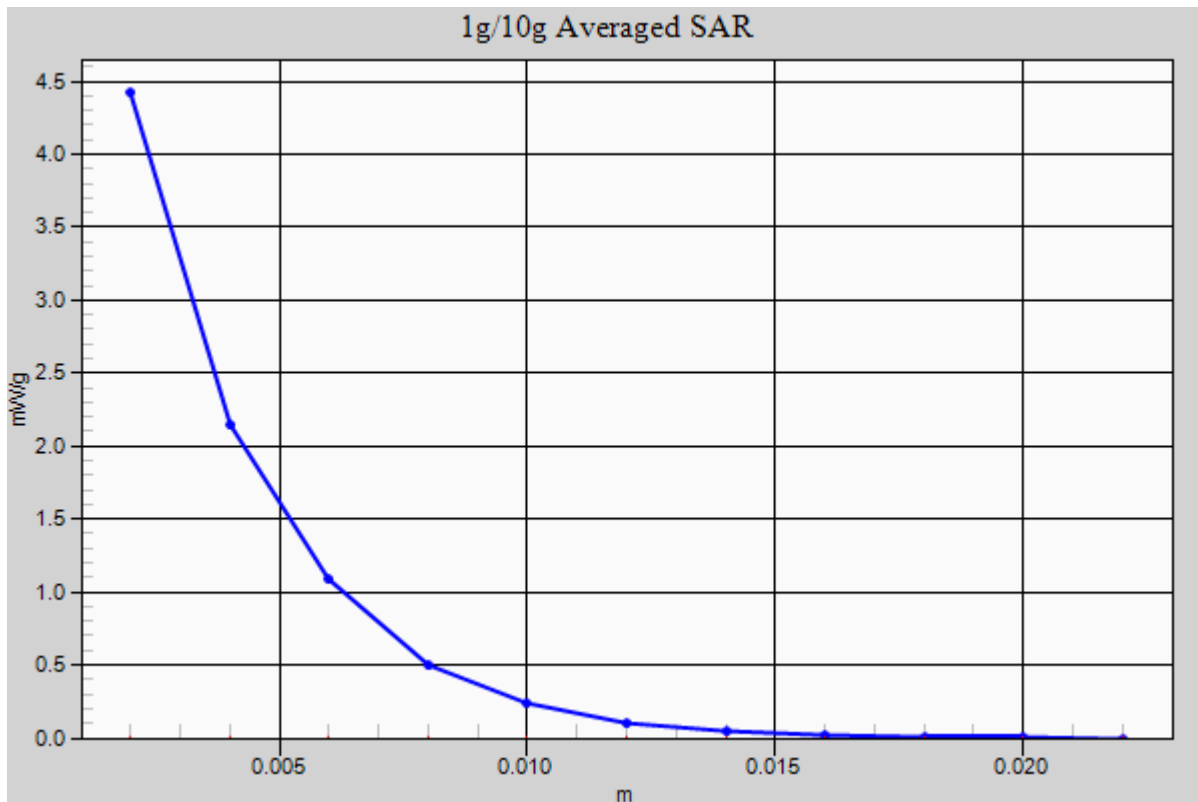
Area Scan (7x9x1): Measurement grid: dx=10mm, dy=10mm

Zoom Scan (7x7x11)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm

Input Power = 14.0 dBm (25 mW)

SAR(1 g) = 2.14 mW/g; SAR(10 g) = 0.589 mW/g

Deviation = 1.42 %



PCTEST ENGINEERING LABORATORY, INC.

DUT: Dipole D5GHzV2; Type: D5GHzV2; Serial: 1057

Communication System: CW; Frequency: 5800 MHz; Duty Cycle: 1:1

Medium: 5 GHz Body Medium parameters used:

$f = 5800 \text{ MHz}$; $\sigma = 6.242 \text{ mho/m}$; $\epsilon_r = 47.79$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section; Space: 1.0 cm

Test Date: 11-17-2011; Ambient Temp: 23.5° C; Tissue Temp: 22.0°C

Probe: EX3DV4 - SN3550; ConvF(3.29, 3.29, 3.29); Calibrated: 2/14/2011

Sensor-Surface: 2mm (Mechanical Surface Detection)

Electronics: DAE4 Sn704; Calibrated: 9/16/2011

Phantom: SAM v5.0 front; Type: QD000P40CD; Serial: TP-1646

Measurement SW: DASY5 PRO V52.6.2.482 ; SEMCAD X Version 14.4.5 (3634)

Mode: 5800MHz System Verification

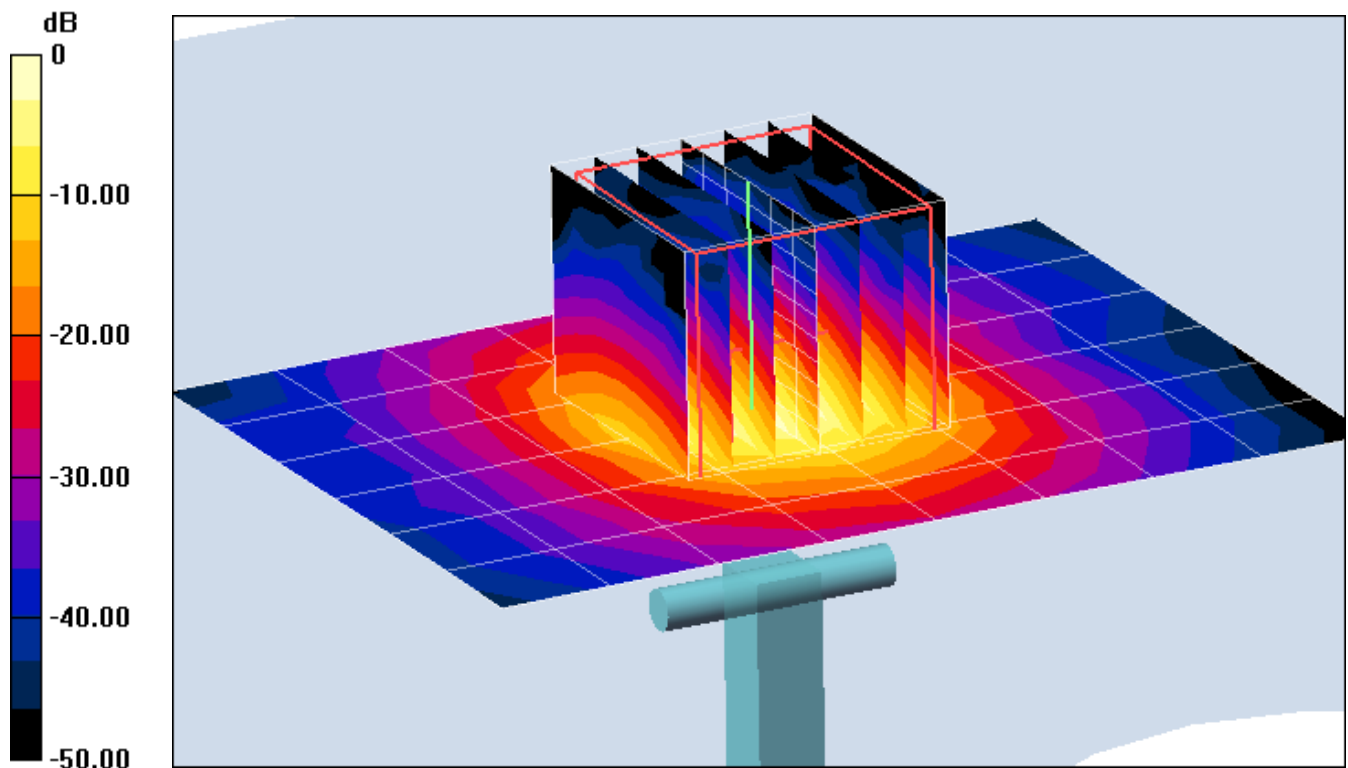
Area Scan (7x9x1): Measurement grid: dx=10mm, dy=10mm

Zoom Scan (7x7x11)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm

Deviation = 14.0 dBm (25 mW)

SAR(1 g) = 1.9 mW/g; SAR(10 g) = 0.528 mW/g

Deviation = 1.33 %



0 dB = 4.090mW/g

PCTEST ENGINEERING LABORATORY, INC.

DUT: Dipole D5GHzV2; Type: D5GHzV2; Serial: 1057

Communication System: CW; Frequency: 5800 MHz; Duty Cycle: 1:1

Medium: 5 GHz Body Medium parameters used:

$f = 5800 \text{ MHz}$; $\sigma = 6.242 \text{ mho/m}$; $\epsilon_r = 47.79$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section; Space: 1.0 cm

Test Date: 11-17-2011; Ambient Temp: 23.5°C; Tissue Temp: 22.0°C

Probe: EX3DV4 - SN3550; ConvF(3.29, 3.29, 3.29); Calibrated: 2/14/2011

Sensor-Surface: 2mm (Mechanical Surface Detection)

Electronics: DAE4 Sn704; Calibrated: 9/16/2011

Phantom: SAM v5.0 front; Type: QD000P40CD; Serial: TP-1646

Measurement SW: DASY5 PRO V52.6.2.482 ; SEMCAD X Version 14.4.5 (3634)

Mode: 5800MHz System Verification

Area Scan (7x9x1): Measurement grid: dx=10mm, dy=10mm

Zoom Scan (7x7x11)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm

Deviation = 14.0 dBm (25 mW)

SAR(1 g) = 1.9 mW/g; SAR(10 g) = 0.528 mW/g

Deviation = 1.33 %

