

DIGITAL EMC CO., LTD

DUT: Dipole 835 MHz; Type: D835V2; Serial: D835V2 - SN:464

Communication System: CW; Frequency: 835 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 835 \text{ MHz}$; $\sigma = 0.91 \text{ mho/m}$; $\epsilon_r = 42.3$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

DASY4 Configuration:

Probe: ET3DV6 - SN1703; ConvF(6.51, 6.51, 6.51); Calibrated: 2005-03-24; Electronics: DAE3 Sn520

Phantom: SAM with 835MHz; Type: SAM; Serial: TP-1223

Measurement SW: DASY4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 145

Test Date: 2006-02-20; Ambient Temp: 22.0; Tissue Temp: 21.0

Dipole Validation

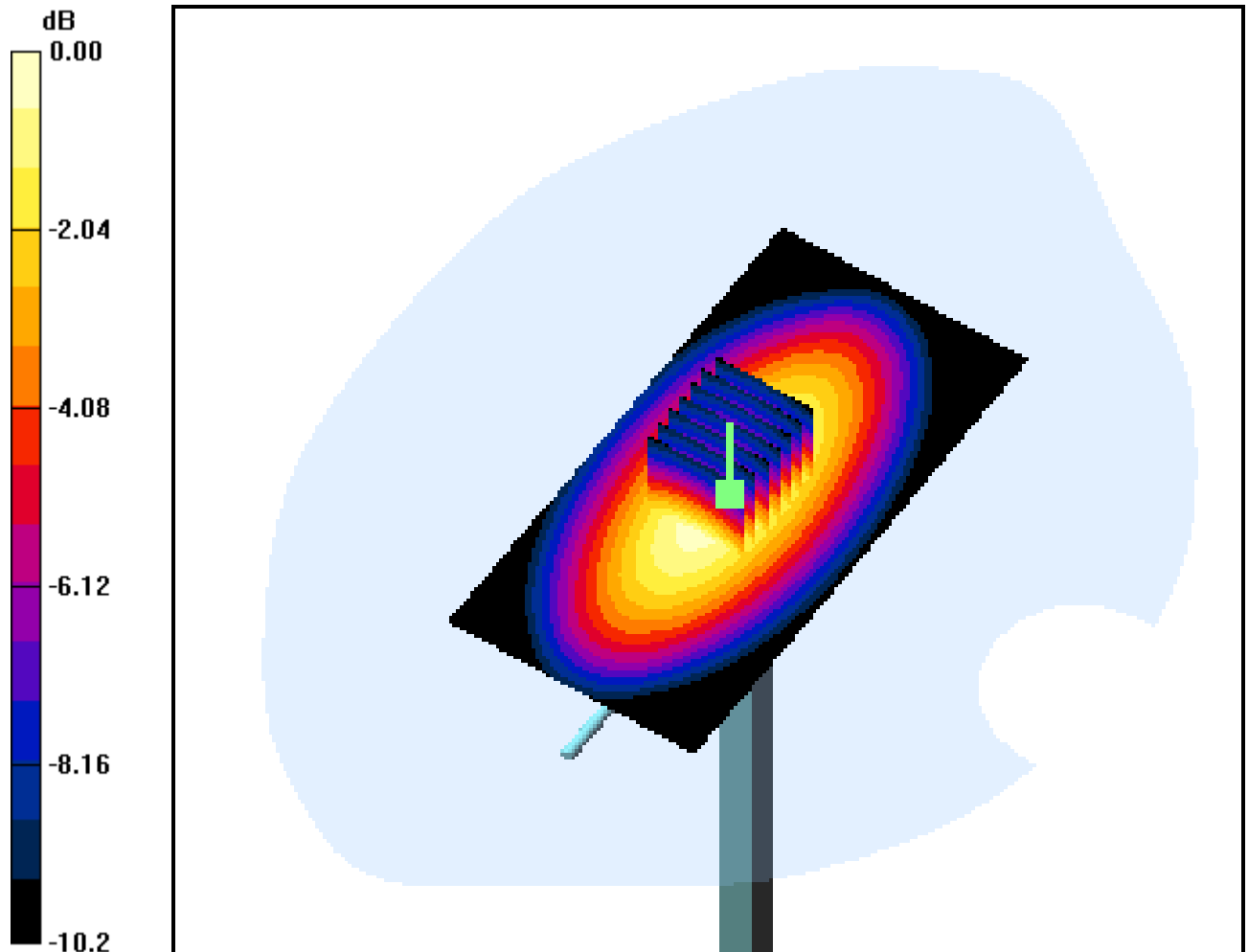
Area Scan (51x101x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

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

Power Drift = -0.00 dB

Peak SAR (extrapolated) = 3.16 W/kg

SAR(1 g) = 2.28 mW/g; SAR(10 g) = 1.52 mW/g



0 dB = 2.47mW/g

DIGITAL EMC CO., LTD

DUT: Dipole 835 MHz; Type: D835V2; Serial: D835V2 - SN:464

Communication System: CW; Frequency: 835 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 835 \text{ MHz}$; $\sigma = 0.898 \text{ mho/m}$; $\epsilon_r = 41.8$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

DASY4 Configuration:

Probe: ET3DV6 - SN1703; ConvF(6.51, 6.51, 6.51); Calibrated: 2005-03-24; Electronics: DAE3 Sn520

Phantom: SAM with 835MHz; Type: SAM; Serial: TP-1223

Measurement SW: DASY4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 145

Test Date: 2006-02-23; Ambient Temp: 22.5; Tissue Temp: 22.0

Dipole Validation

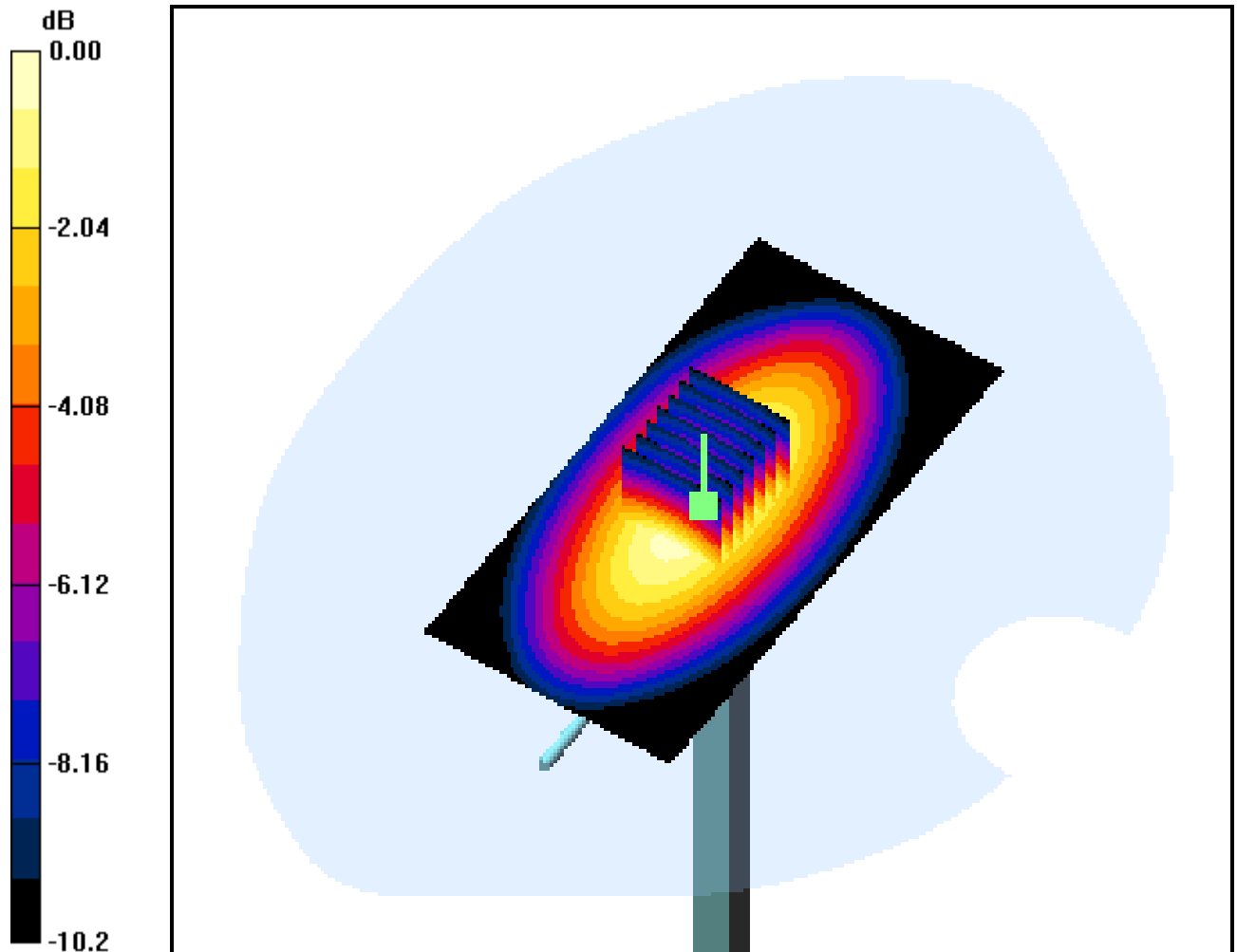
Area Scan (51x101x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

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

Power Drift = -0.00 dB

Peak SAR (extrapolated) = 3.12 W/kg

SAR(1 g) = 2.25 mW/g; SAR(10 g) = 1.5 mW/g



0 dB = 2.44mW/g

DIGITAL EMC CO., LTD

DUT: Dipole 1900 MHz; Type: D1900V2; Serial: D1900V2 - SN:5d029

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

Medium parameters used: $f = 1900 \text{ MHz}$; $\sigma = 1.39 \text{ mho/m}$; $\epsilon_r = 39.7$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

DASY4 Configuration:

Probe: ET3DV6 - SN1703; ConvF(5.27, 5.27, 5.27); Calibrated: 2005-03-24; Electronics: DAE3 Sn520

Phantom: SAM 1800/1900 MHz; Type: SAM; Serial: TP-1224

Measurement SW: DASY4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 145

Test Date: 2006-01-23; Ambient Temp: 22.5; Tissue Temp: 22.0

Dipole Validation

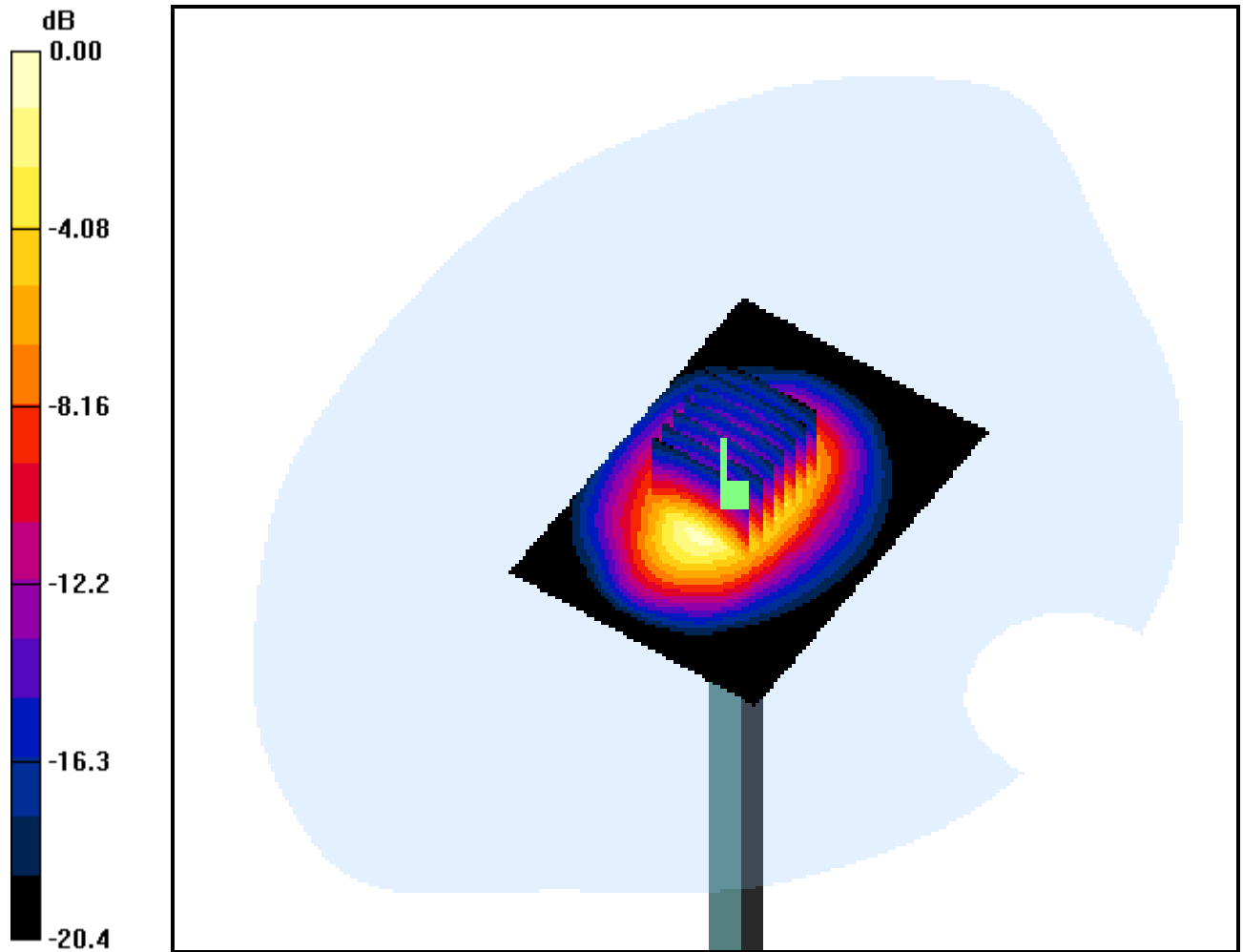
Area Scan (51x71x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

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

Power Drift = -0.030 dB

Peak SAR (extrapolated) = 20.1 W/kg

SAR(1 g) = 10.3 mW/g; SAR(10 g) = 5.01 mW/g



0 dB = 11.7mW/g

DIGITAL EMC CO., LTD

DUT: Dipole 1900 MHz; Type: D1900V2; Serial: D1900V2 - SN:5d029

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

Medium parameters used: $f = 1900 \text{ MHz}$; $\sigma = 1.4 \text{ mho/m}$; $\epsilon_r = 38.4$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

DASY4 Configuration:

Probe: ET3DV6 - SN1703; ConvF(5.27, 5.27, 5.27); Calibrated: 2005-03-24; Electronics: DAE3 Sn520

Phantom: SAM 1800/1900 MHz; Type: SAM; Serial: TP-1224

Measurement SW: DASY4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 145

Test Date: 2006-01-27; Ambient Temp: 21.0; Tissue Temp: 20.5

Dipole Validation

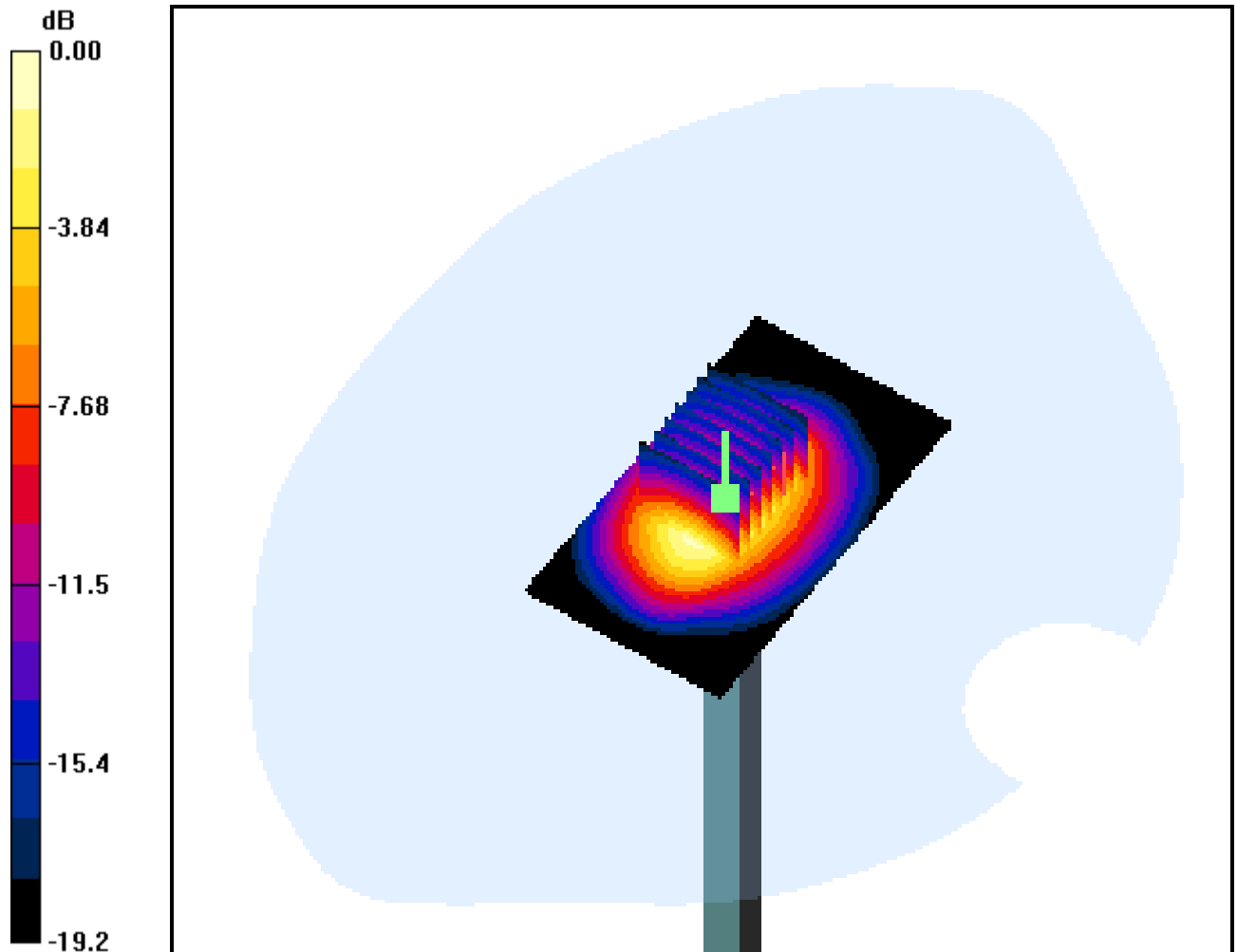
Area Scan (41x71x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

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

Power Drift = -0.060 dB

Peak SAR (extrapolated) = 20.2 W/kg

SAR(1 g) = 10.7 mW/g; SAR(10 g) = 5.42 mW/g



0 dB = 12.1mW/g

DIGITAL EMC CO., LTD

DUT: VK4500; Type: Folder Type

Communication System: GSM 850; Frequency: 824.2 MHz; Duty Cycle: 1:8.3
Medium parameters used: $f = 824.2 \text{ MHz}$; $\sigma = 0.9 \text{ mho/m}$; $\epsilon_r = 42.4$; $\rho = 1000 \text{ kg/m}^3$
Phantom section: Right Section

DASY4 Configuration:

Probe: ET3DV6 - SN1703; ConvF(6.51, 6.51, 6.51); Calibrated: 2005-03-24; Electronics: DAE3 Sn520
Phantom: SAM with 835MHz; Type: SAM; Serial: TP-1223
Measurement SW: DASY4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 145

Date: 2006-02-20; Ambient Temp: 22.0; Tissue Temp: 21.0

Right Touch Slide Up, GSM Ch.128, Ant Intenna, Standard Battery

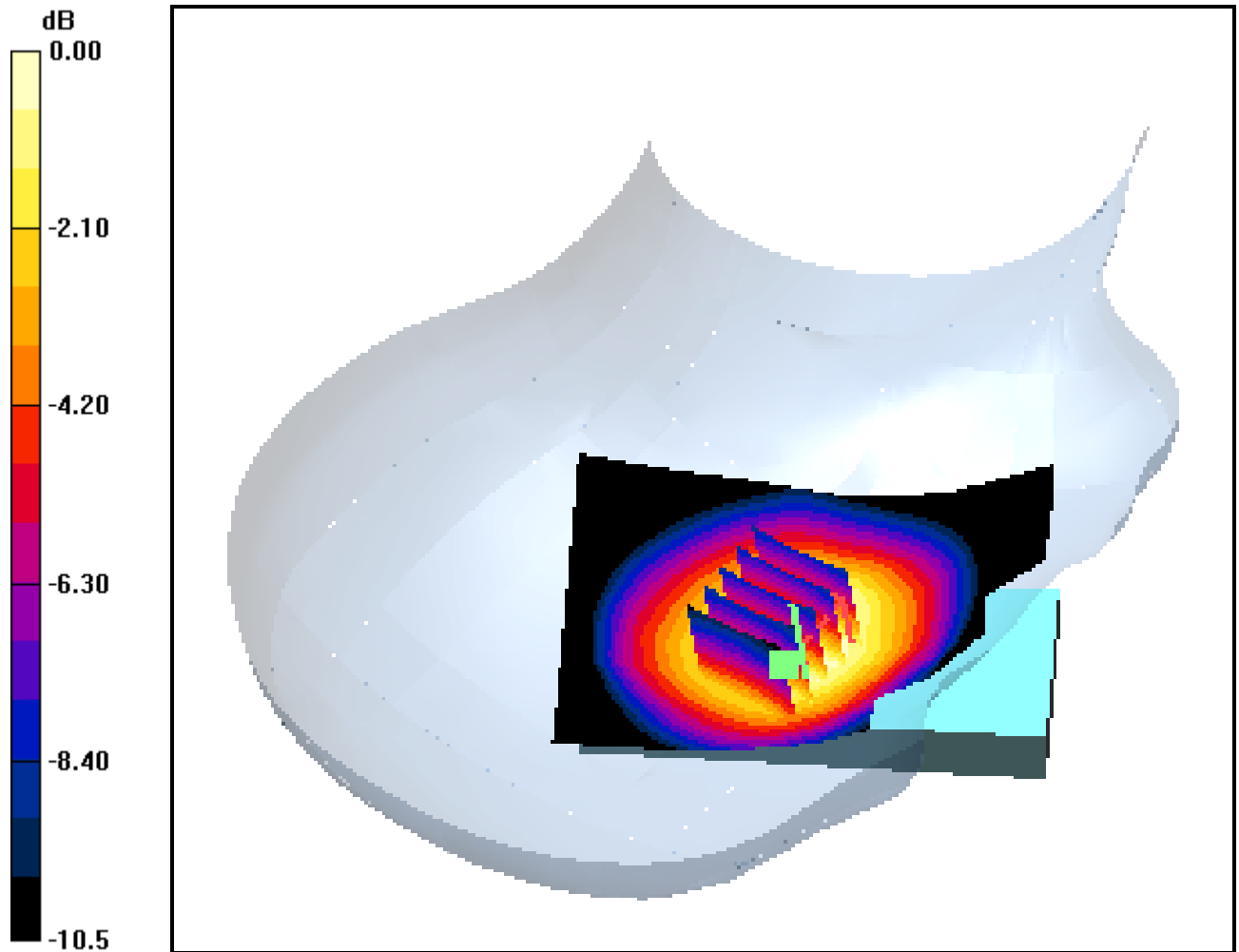
Area Scan (61x91x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

Power Drift = -0.066 dB

Peak SAR (extrapolated) = 0.489 W/kg

SAR(1 g) = 0.312 mW/g; SAR(10 g) = 0.212 mW/g



0 dB = 0.338mW/g

DIGITAL EMC CO., LTD

DUT: VK4500; Type: Folder Type

Communication System: GSM 850; Frequency: 836.6 MHz; Duty Cycle: 1:8.3

Medium parameters used: $f = 836.6 \text{ MHz}$; $\sigma = 0.912 \text{ mho/m}$; $\epsilon_r = 42.3$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Right Section

DASY4 Configuration:

Probe: ET3DV6 - SN1703; ConvF(6.51, 6.51, 6.51); Calibrated: 2005-03-24; Electronics: DAE3 Sn520

Phantom: SAM with 835MHz; Type: SAM; Serial: TP-1223

Measurement SW: DASY4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 145

Date: 2006-02-20; Ambient Temp: 22.0; Tissue Temp: 21.0

Right Touch Slide Up, GSM Ch.190, Ant Intenna, Standard Battery

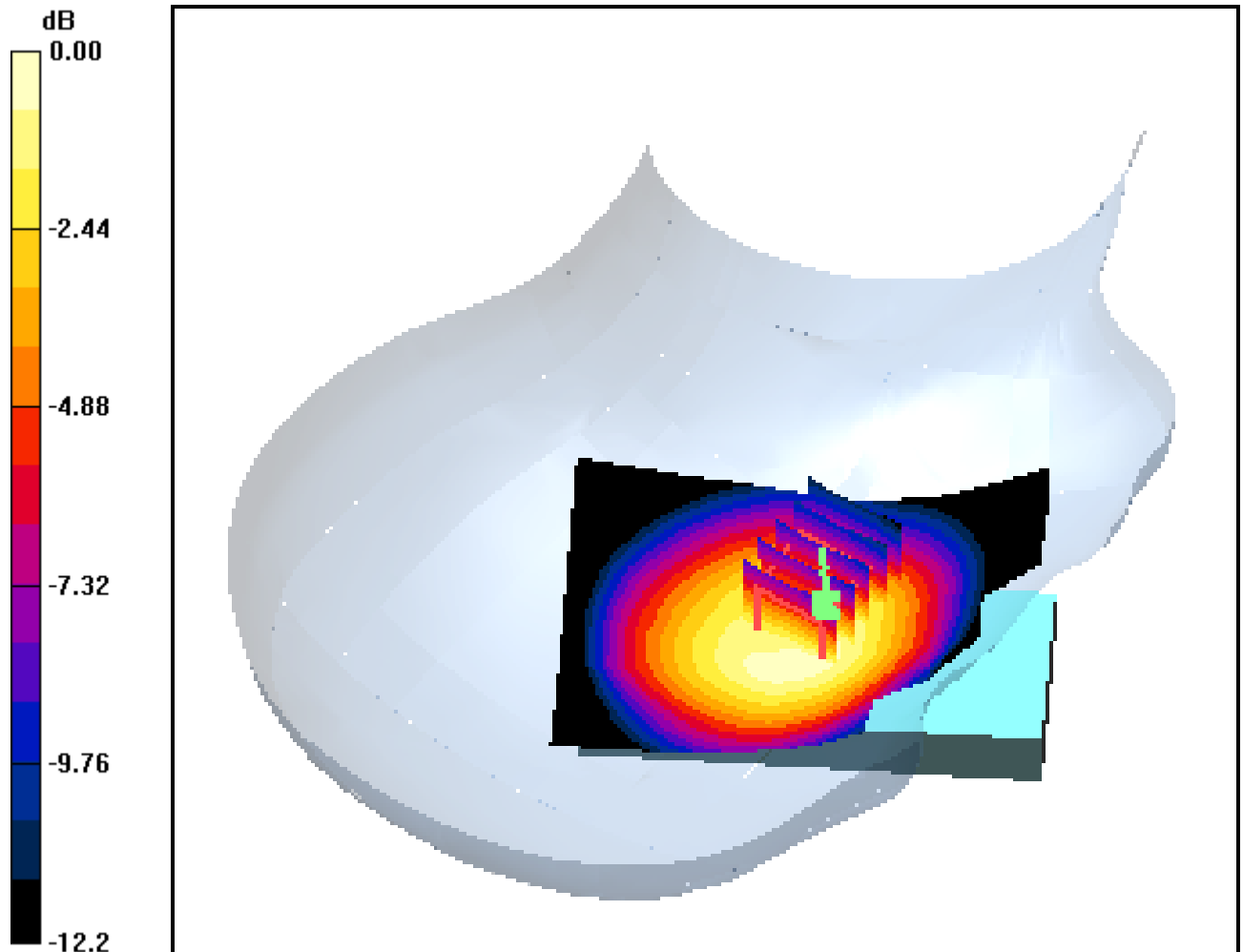
Area Scan (61x91x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

Power Drift = -0.159 dB

Peak SAR (extrapolated) = 0.626 W/kg

SAR(1 g) = 0.402 mW/g; SAR(10 g) = 0.264 mW/g



0 dB = 0.431mW/g

DIGITAL EMC CO., LTD

DUT: VK4500; Type: Folder Type

Communication System: GSM 850; Frequency: 848.8 MHz; Duty Cycle: 1:8.3
Medium parameters used: $f = 848.8 \text{ MHz}$; $\sigma = 0.925 \text{ mho/m}$; $\epsilon_r = 42.2$; $\rho = 1000 \text{ kg/m}^3$
Phantom section: Right Section

DASY4 Configuration:

Probe: ET3DV6 - SN1703; ConvF(6.51, 6.51, 6.51); Calibrated: 2005-03-24; Electronics: DAE3 Sn520
Phantom: SAM with 835MHz; Type: SAM; Serial: TP-1223
Measurement SW: DASY4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 145

Date: 2006-02-20; Ambient Temp: 22.0; Tissue Temp: 21.0

Right Touch Slide Up, GSM Ch.251, Ant Intenna, Standard Battery

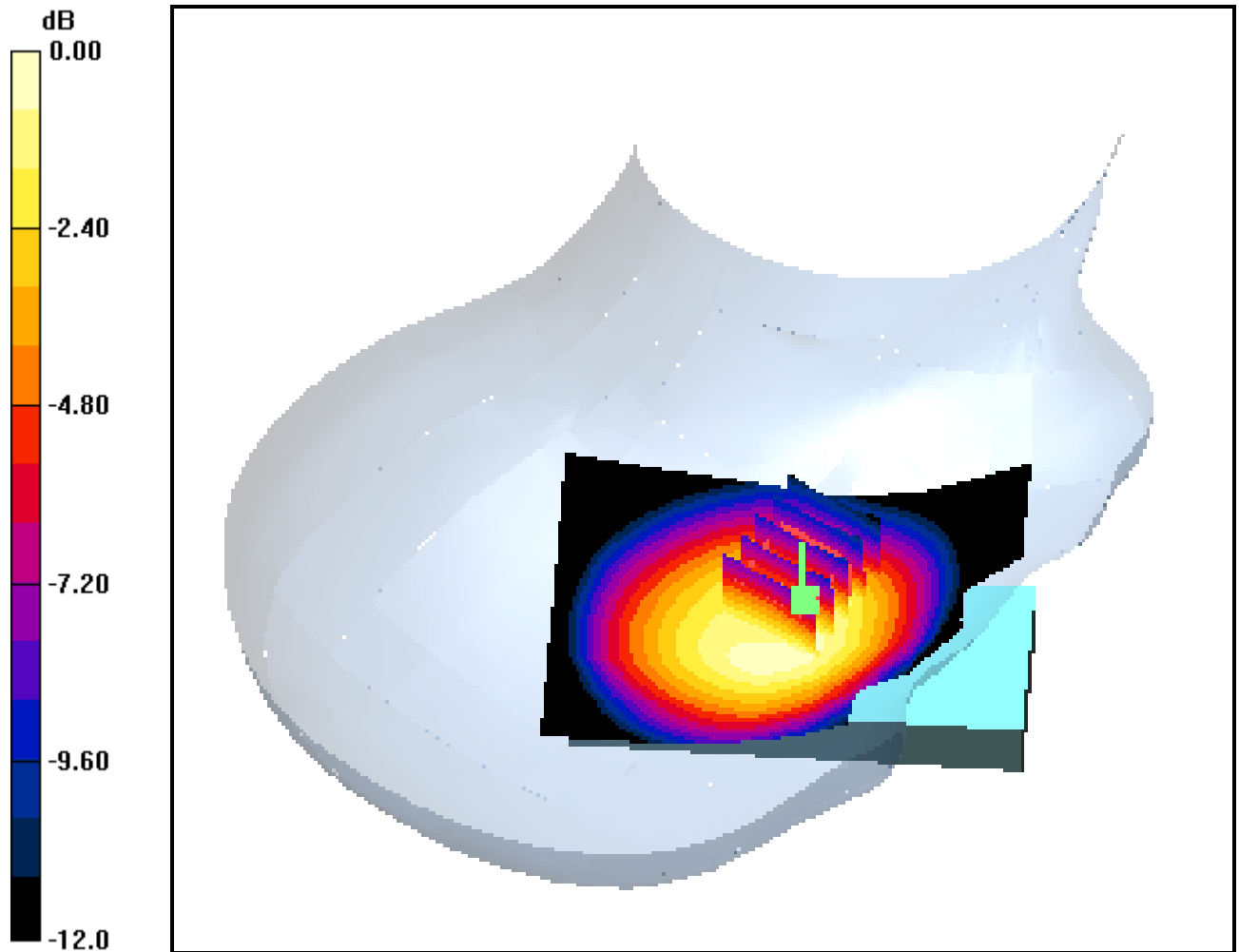
Area Scan (61x91x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

Power Drift = -0.038 dB

Peak SAR (extrapolated) = 0.588 W/kg

SAR(1 g) = 0.379 mW/g; SAR(10 g) = 0.253 mW/g



0 dB = 0.414mW/g

DIGITAL EMC CO., LTD

DUT: VK4500; Type: Folder Type

Communication System: GSM 850; Frequency: 836.6 MHz; Duty Cycle: 1:8.3

Medium parameters used: $f = 836.6 \text{ MHz}$; $\sigma = 0.912 \text{ mho/m}$; $\epsilon_r = 42.3$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Right Section

DASY4 Configuration:

Probe: ET3DV6 - SN1703; ConvF(6.51, 6.51, 6.51); Calibrated: 2005-03-24; Electronics: DAE3 Sn520

Phantom: SAM with 835MHz; Type: SAM; Serial: TP-1223

Measurement SW: DASY4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 145

Date: 2006-02-20; Ambient Temp: 22.0; Tissue Temp: 21.0

Right Tilt Slide Up, GSM Ch.190, Ant Intenna, Standard Battery

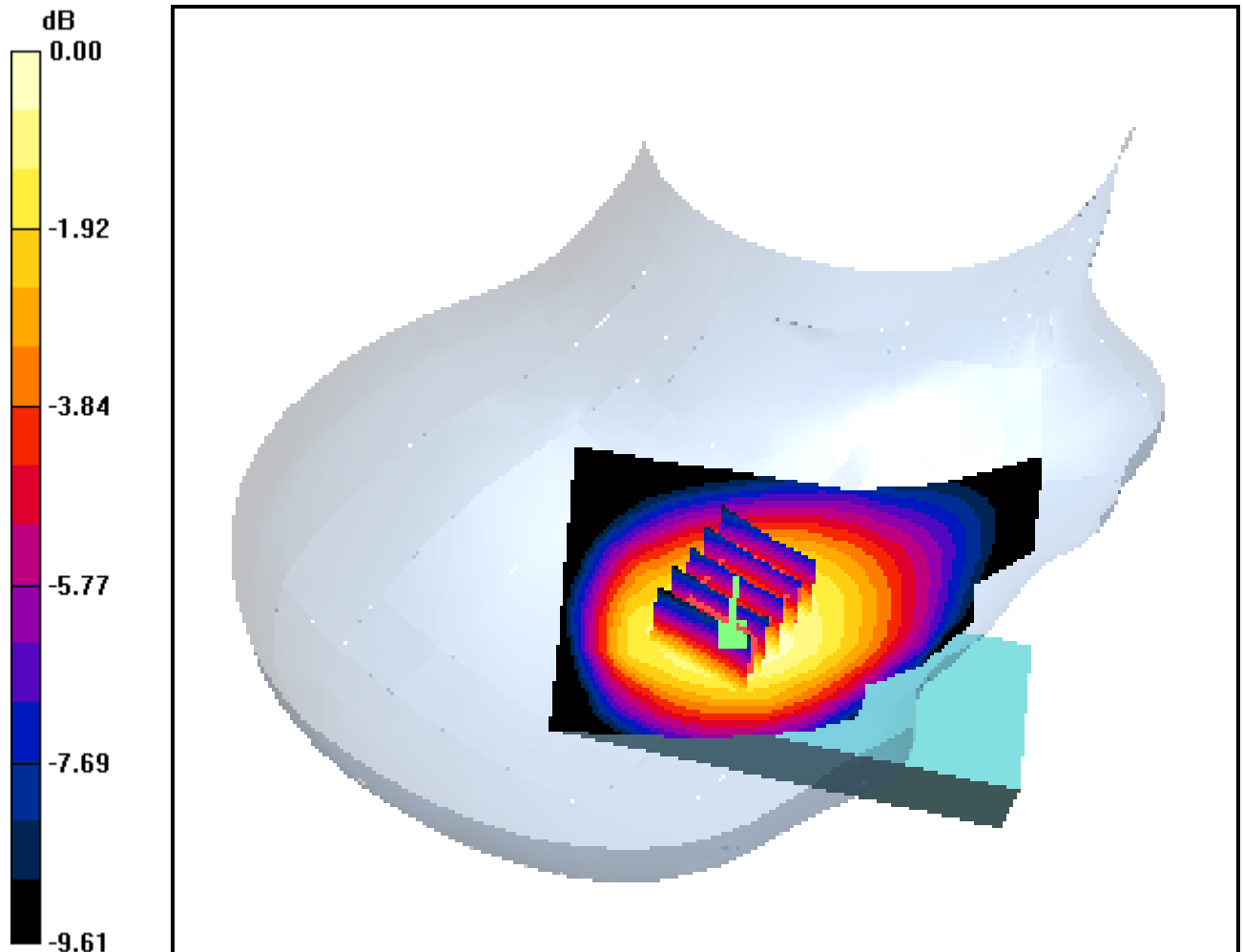
Area Scan (61x91x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

Power Drift = -0.069 dB

Peak SAR (extrapolated) = 0.200 W/kg

SAR(1 g) = 0.153 mW/g; SAR(10 g) = 0.110 mW/g



0 dB = 0.160mW/g

DIGITAL EMC CO., LTD

DUT: VK4500; Type: Folder Type

Communication System: GSM 850; Frequency: 824.2 MHz; Duty Cycle: 1:8.3
Medium parameters used: $f = 824.2 \text{ MHz}$; $\sigma = 0.9 \text{ mho/m}$; $\epsilon_r = 42.4$; $\rho = 1000 \text{ kg/m}^3$
Phantom section: Left Section

DASY4 Configuration:

Probe: ET3DV6 - SN1703; ConvF(6.51, 6.51, 6.51); Calibrated: 2005-03-24; Electronics: DAE3 Sn520
Phantom: SAM with 835MHz; Type: SAM; Serial: TP-1223
Measurement SW: DASY4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 145

Date: 2006-02-20; Ambient Temp: 22.0; Tissue Temp: 21.0

Left Touch Slide Up, GSM Ch.128, Ant Intenna, Standard Battery

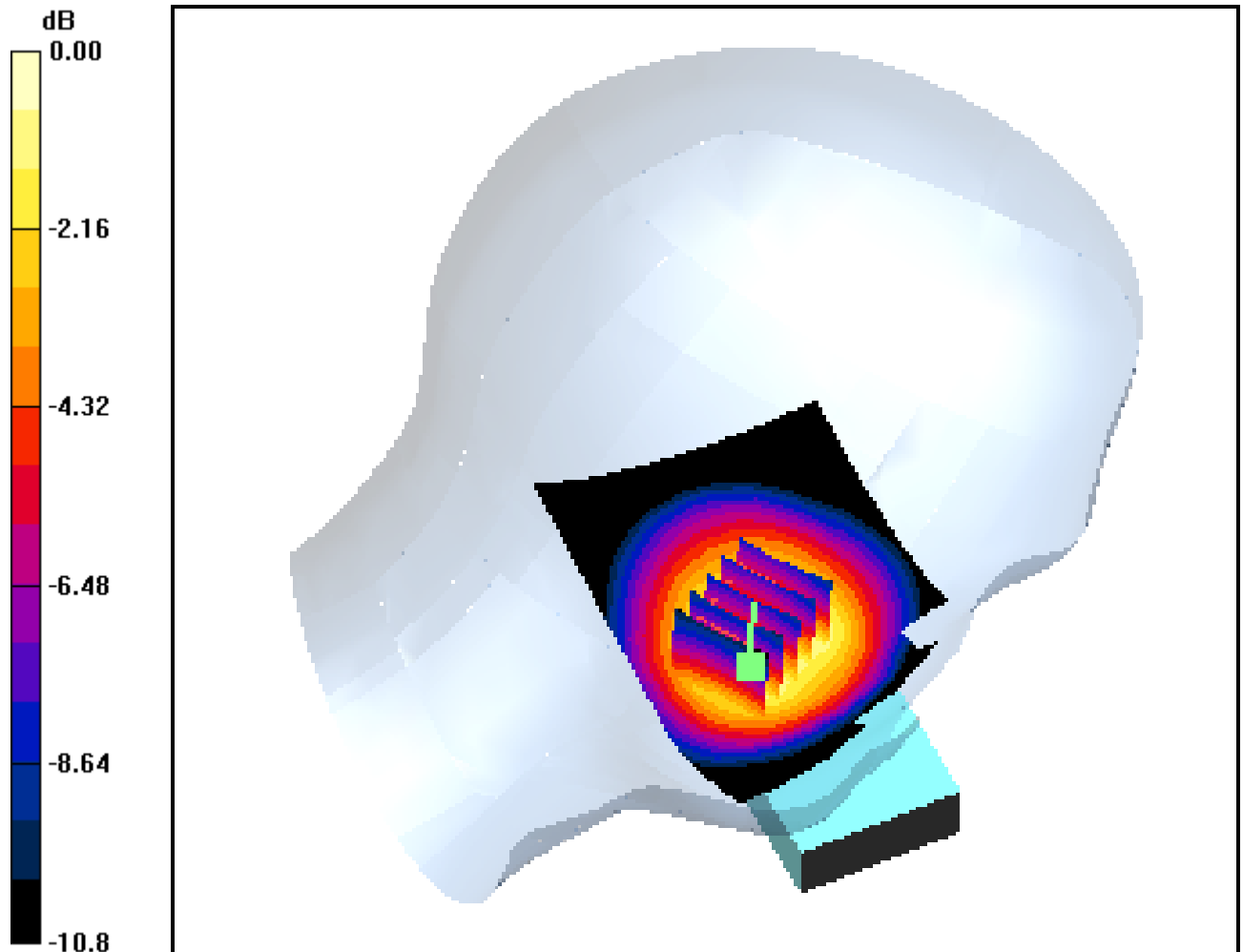
Area Scan (61x91x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

Power Drift = 0.093 dB

Peak SAR (extrapolated) = 0.460 W/kg

SAR(1 g) = 0.302 mW/g; SAR(10 g) = 0.201 mW/g



0 dB = 0.317mW/g

DIGITAL EMC CO., LTD

DUT: VK4500; Type: Folder Type

Communication System: GSM 850; Frequency: 836.6 MHz; Duty Cycle: 1:8.3

Medium parameters used: $f = 836.6 \text{ MHz}$; $\sigma = 0.912 \text{ mho/m}$; $\epsilon_r = 42.3$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Left Section

DASY4 Configuration:

Probe: ET3DV6 - SN1703; ConvF(6.51, 6.51, 6.51); Calibrated: 2005-03-24; Electronics: DAE3 Sn520

Phantom: SAM with 835MHz; Type: SAM; Serial: TP-1223

Measurement SW: DASY4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 145

Date: 2006-02-20; Ambient Temp: 22.0; Tissue Temp: 21.0

Left Touch Slide Up, GSM Ch.190, Ant Intenna, Standard Battery

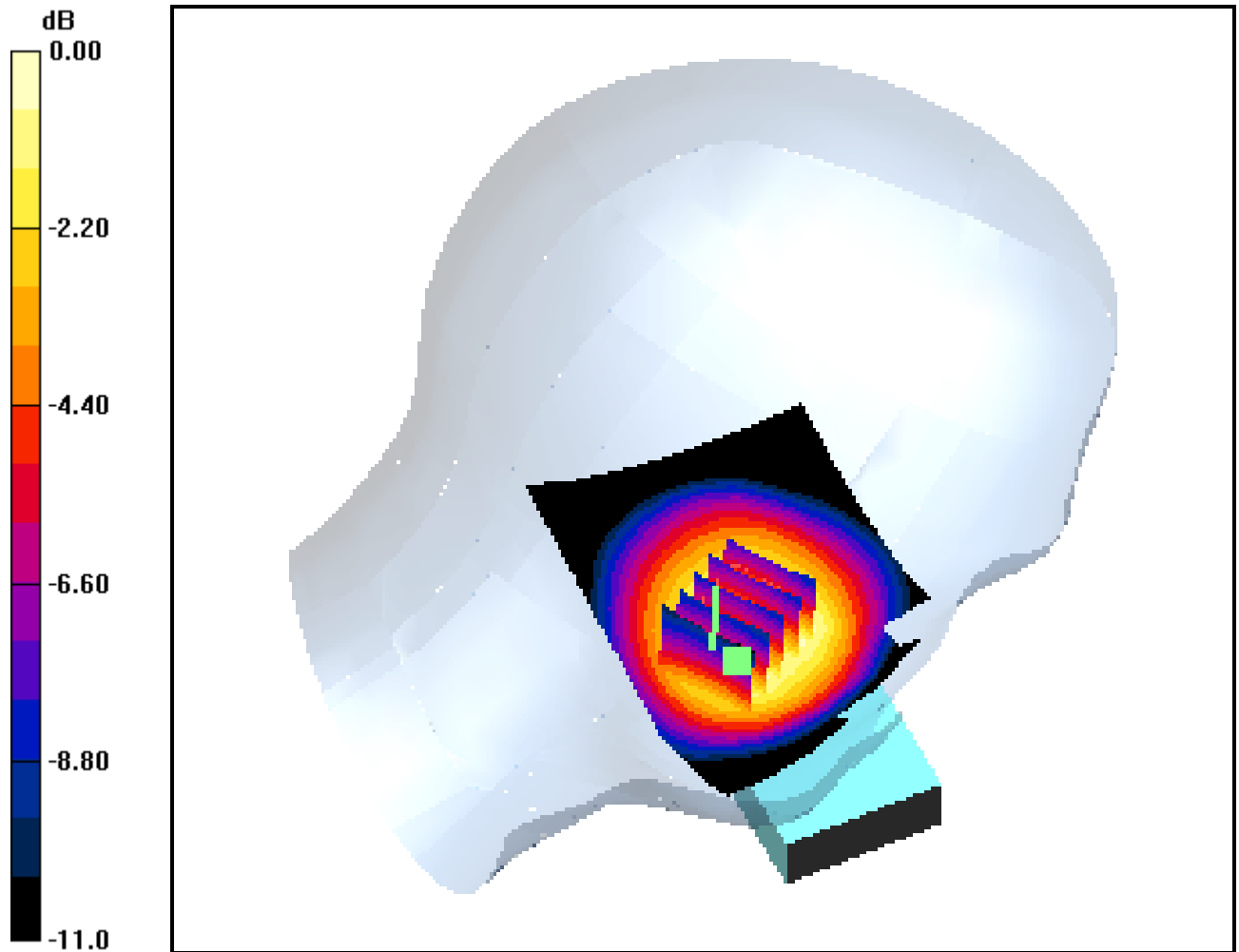
Area Scan (61x91x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

Power Drift = -0.223 dB

Peak SAR (extrapolated) = 0.457 W/kg

SAR(1 g) = 0.318 mW/g; SAR(10 g) = 0.222 mW/g



0 dB = 0.335mW/g

DIGITAL EMC CO., LTD

DUT: VK4500; Type: Folder Type

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

Medium parameters used: $f = 848.8 \text{ MHz}$; $\sigma = 0.925 \text{ mho/m}$; $\epsilon_r = 42.2$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Left Section

DASY4 Configuration:

Probe: ET3DV6 - SN1703; ConvF(6.51, 6.51, 6.51); Calibrated: 2005-03-24; Electronics: DAE3 Sn520

Phantom: SAM with 835MHz; Type: SAM; Serial: TP-1223

Measurement SW: DASY4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 145

Date: 2006-02-20; Ambient Temp: 22.0; Tissue Temp: 21.0

Left Touch Slide Up, GSM Ch.251, Ant Intenna, Standard Battery

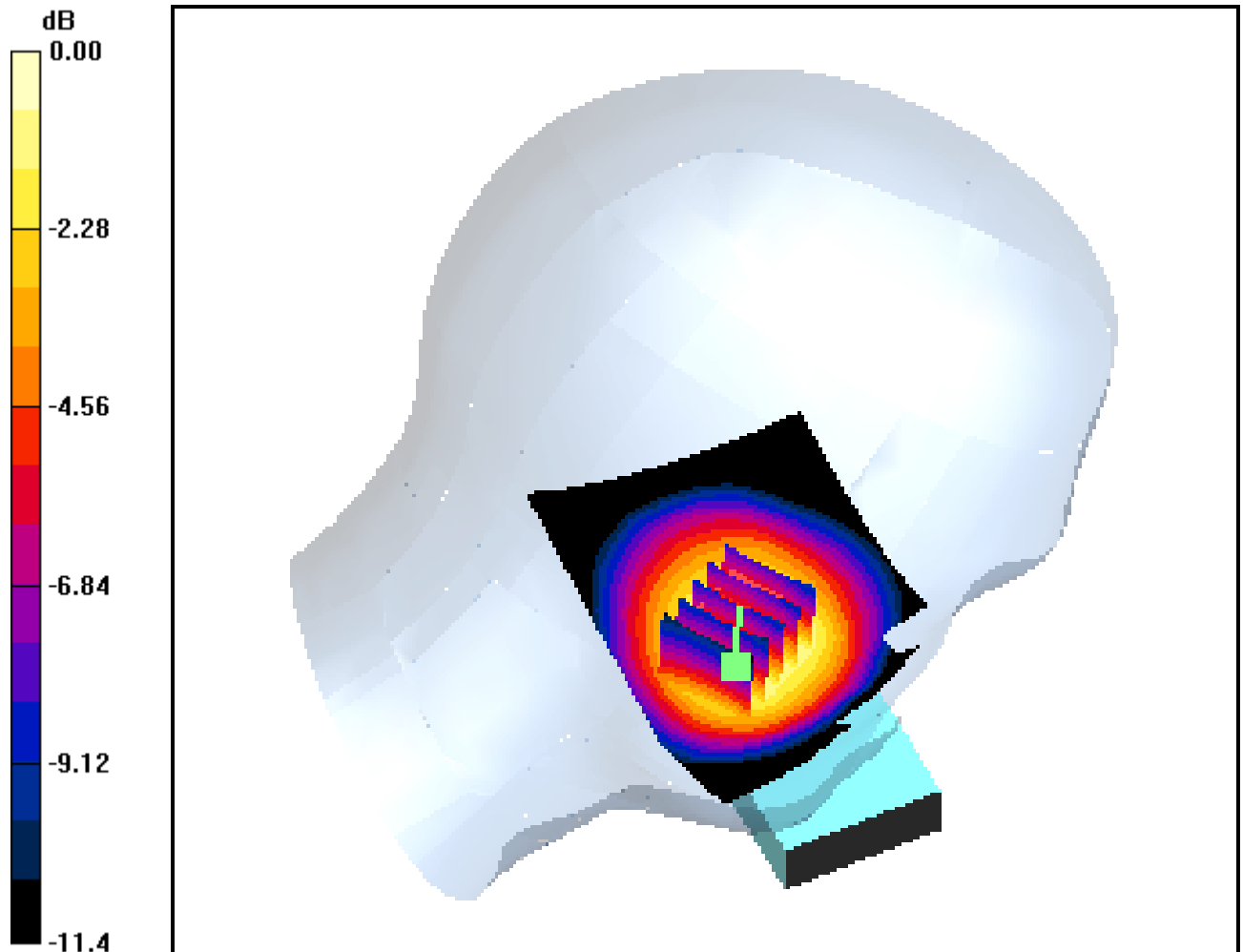
Area Scan (61x91x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

Power Drift = -0.144 dB

Peak SAR (extrapolated) = 0.550 W/kg

SAR(1 g) = 0.362 mW/g; SAR(10 g) = 0.242 mW/g



0 dB = 0.384mW/g

DIGITAL EMC CO., LTD

DUT: VK4500; Type: Folder Type

Communication System: GSM 850; Frequency: 836.6 MHz; Duty Cycle: 1:8.3

Medium parameters used: $f = 836.6 \text{ MHz}$; $\sigma = 0.912 \text{ mho/m}$; $\epsilon_r = 42.3$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Left Section

DASY4 Configuration:

Probe: ET3DV6 - SN1703; ConvF(6.51, 6.51, 6.51); Calibrated: 2005-03-24; Electronics: DAE3 Sn520

Phantom: SAM with 835MHz; Type: SAM; Serial: TP-1223

Measurement SW: DASY4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 145

Date: 2006-02-20; Ambient Temp: 22.0; Tissue Temp: 21.0

Left Tilt Slide Up, GSM Ch.190, Ant Intenna, Standard Battery

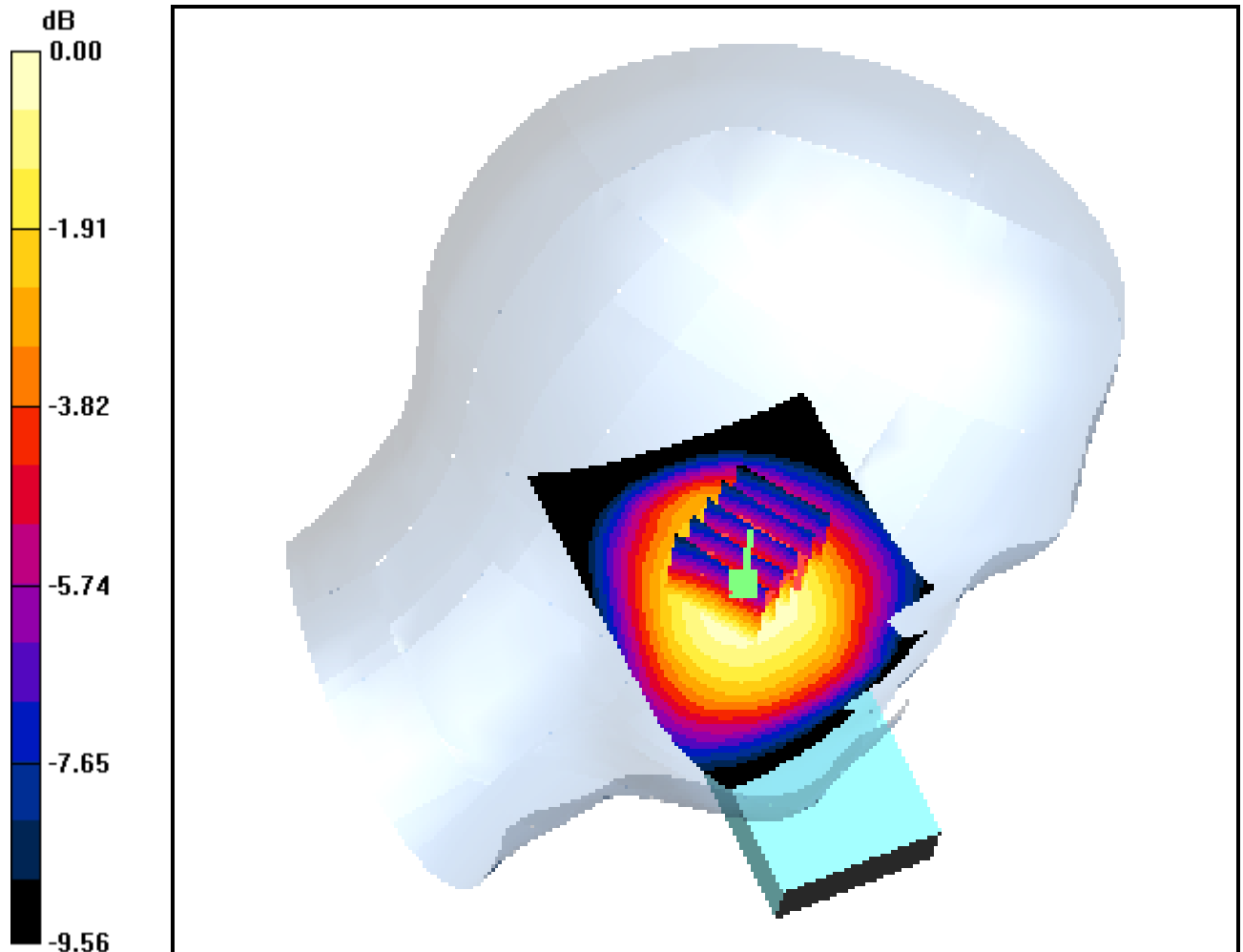
Area Scan (61x91x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

Power Drift = -0.218 dB

Peak SAR (extrapolated) = 0.196 W/kg

SAR(1 g) = 0.152 mW/g; SAR(10 g) = 0.110 mW/g



0 dB = 0.160mW/g

DIGITAL EMC CO., LTD

DUT: VK4500; Type: Folder Type

Communication System: GSM 850; Frequency: 836.6 MHz; Duty Cycle: 1:8.3
Medium parameters used: $f = 836.6 \text{ MHz}$; $\sigma = 0.912 \text{ mho/m}$; $\epsilon_r = 42.3$; $\rho = 1000 \text{ kg/m}^3$
Phantom section: Right Section

DASY4 Configuration:

Probe: ET3DV6 - SN1703; ConvF(6.51, 6.51, 6.51); Calibrated: 2005-03-24; Electronics: DAE3 Sn520
Phantom: SAM with 835MHz; Type: SAM; Serial: TP-1223
Measurement SW: DASY4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 145

Date: 2006-02-20; Ambient Temp: 22.0; Tissue Temp: 21.0

Right Touch Slide Up, GSM Ch.190, Ant Intenna, Extended Battery

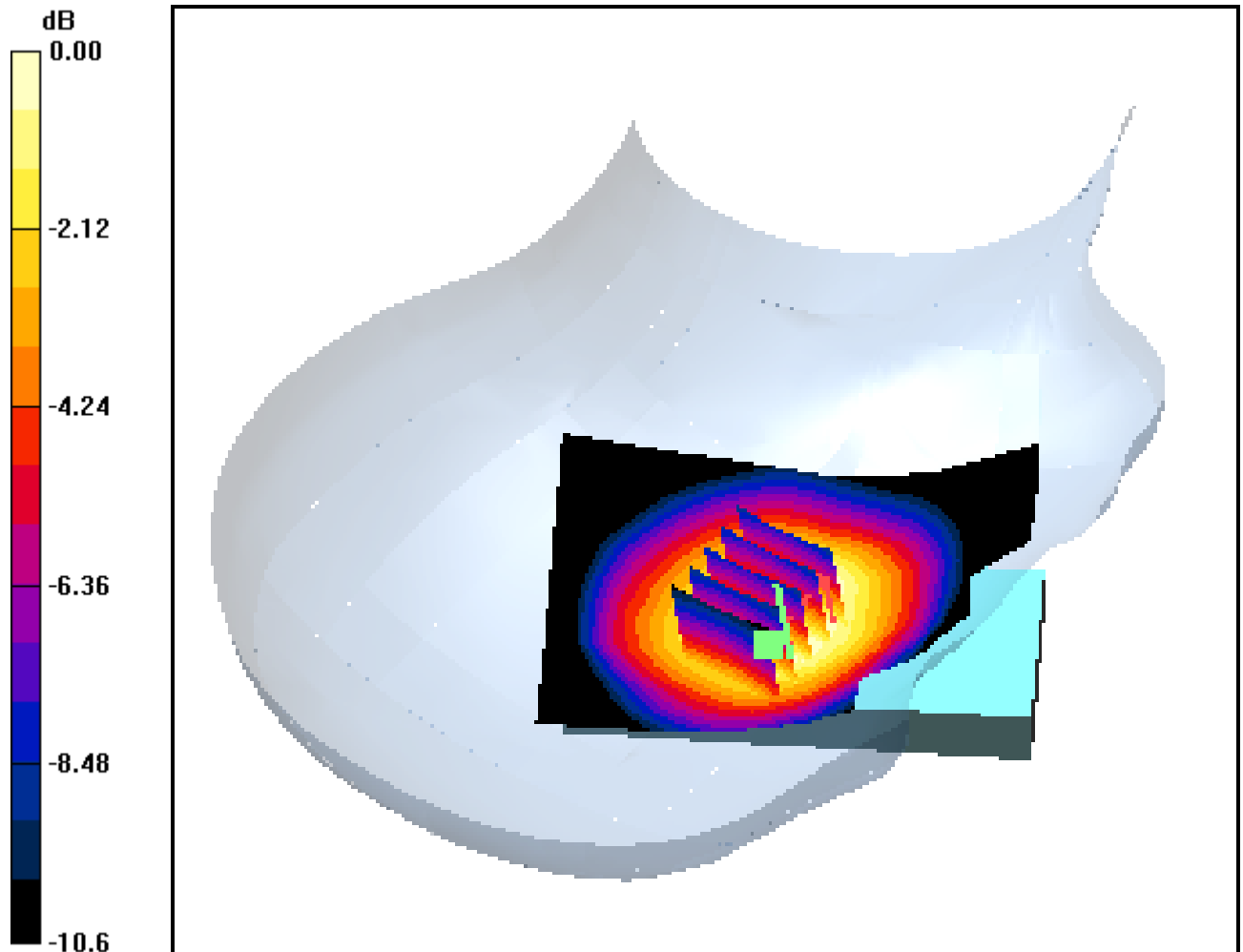
Area Scan (61x91x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

Power Drift = -0.208 dB

Peak SAR (extrapolated) = 0.562 W/kg

SAR(1 g) = 0.365 mW/g; SAR(10 g) = 0.250 mW/g



0 dB = 0.392mW/g

DIGITAL EMC CO., LTD

DUT: VK4500; Type: Folder Type

Communication System: GSM 850; Frequency: 836.6 MHz; Duty Cycle: 1:8.3

Medium parameters used: $f = 836.6 \text{ MHz}$; $\sigma = 0.912 \text{ mho/m}$; $\epsilon_r = 42.3$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Right Section

DASY4 Configuration:

Probe: ET3DV6 - SN1703; ConvF(6.51, 6.51, 6.51); Calibrated: 2005-03-24; Electronics: DAE3 Sn520

Phantom: SAM with 835MHz; Type: SAM; Serial: TP-1223

Measurement SW: DASY4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 145

Date: 2006-02-20; Ambient Temp: 22.0; Tissue Temp: 21.0

Right Touch Slide Up, GSM Ch.190, Ant Intenna, Standard Battery With BT ON

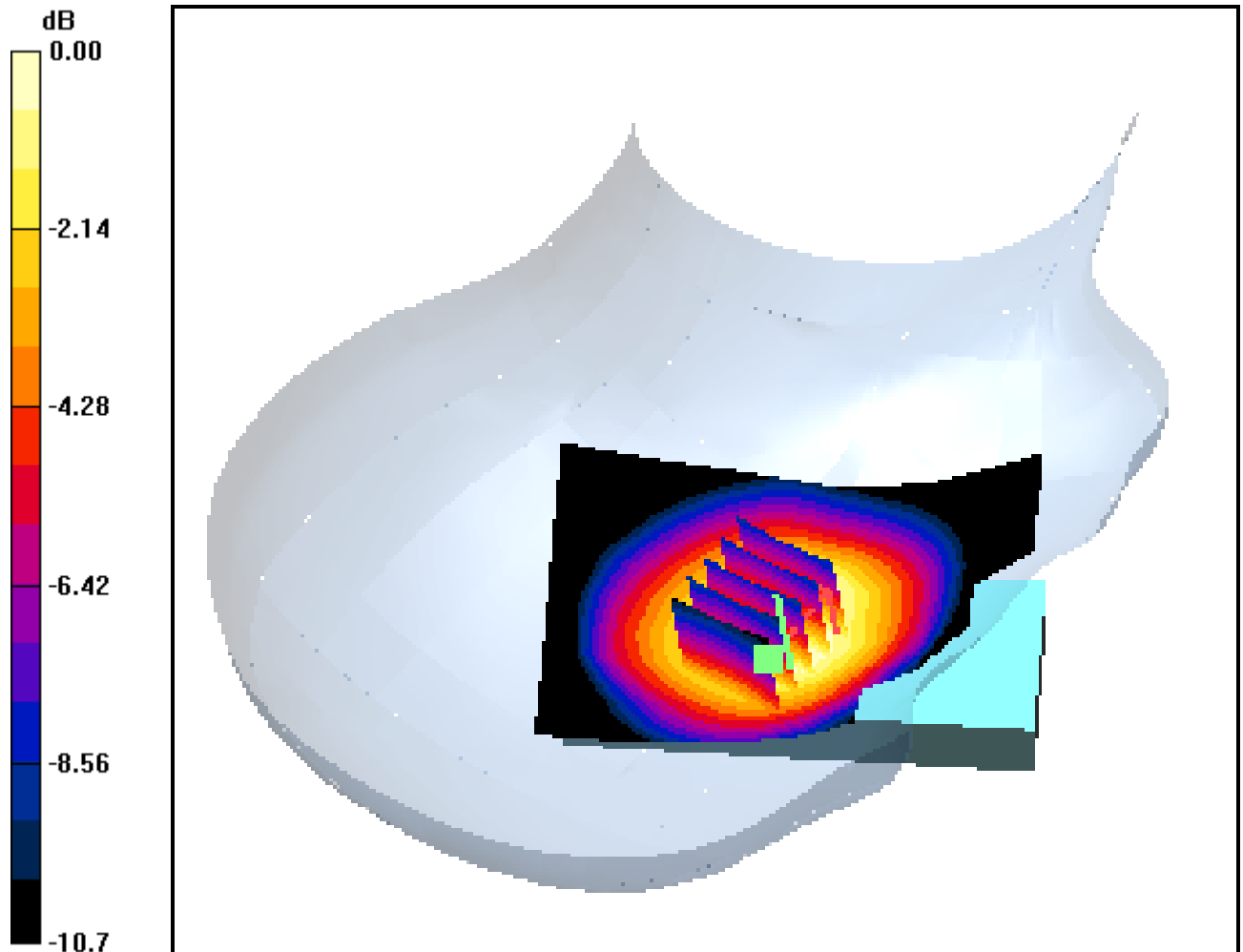
Area Scan (61x91x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

Power Drift = -0.184 dB

Peak SAR (extrapolated) = 0.551 W/kg

SAR(1 g) = 0.357 mW/g; SAR(10 g) = 0.243 mW/g



0 dB = 0.385mW/g

DIGITAL EMC CO., LTD

DUT: VK4500; Type: Folder Type

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

Medium parameters used: $f = 848.8 \text{ MHz}$; $\sigma = 0.925 \text{ mho/m}$; $\epsilon_r = 42.2$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Left Section

DASY4 Configuration:

Probe: ET3DV6 - SN1703; ConvF(6.51, 6.51, 6.51); Calibrated: 2005-03-24; Electronics: DAE3 Sn520

Phantom: SAM with 835MHz; Type: SAM; Serial: TP-1223

Measurement SW: DASY4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 145

Date: 2006-02-20; Ambient Temp: 22.0; Tissue Temp: 21.0

Left Touch Slide Up, GSM Ch.251, Ant Intenna, Extended Battery

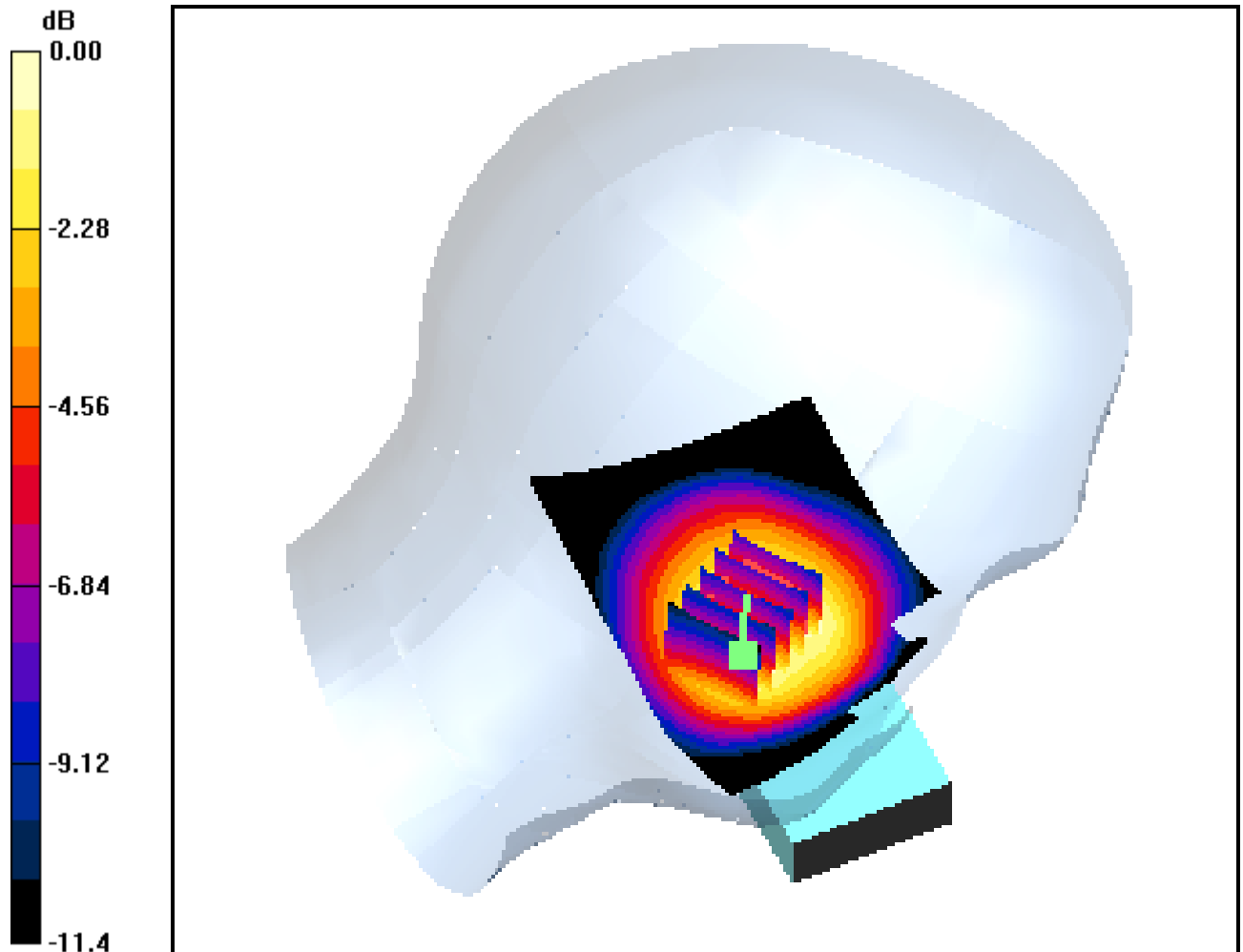
Area Scan (61x91x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

Power Drift = -0.174 dB

Peak SAR (extrapolated) = 0.485 W/kg

SAR(1 g) = 0.321 mW/g; SAR(10 g) = 0.216 mW/g



0 dB = 0.344mW/g

DIGITAL EMC CO., LTD

DUT: VK4500; Type: Folder Type

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

Medium parameters used: $f = 848.8 \text{ MHz}$; $\sigma = 0.925 \text{ mho/m}$; $\epsilon_r = 42.2$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Left Section

DASY4 Configuration:

Probe: ET3DV6 - SN1703; ConvF(6.51, 6.51, 6.51); Calibrated: 2005-03-24; Electronics: DAE3 Sn520

Phantom: SAM with 835MHz; Type: SAM; Serial: TP-1223

Measurement SW: DASY4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 145

Date: 2006-02-20; Ambient Temp: 22.0; Tissue Temp: 21.0

Left Touch Slide Up, GSM Ch.251, Ant Intenna, Standard Battery With BT ON

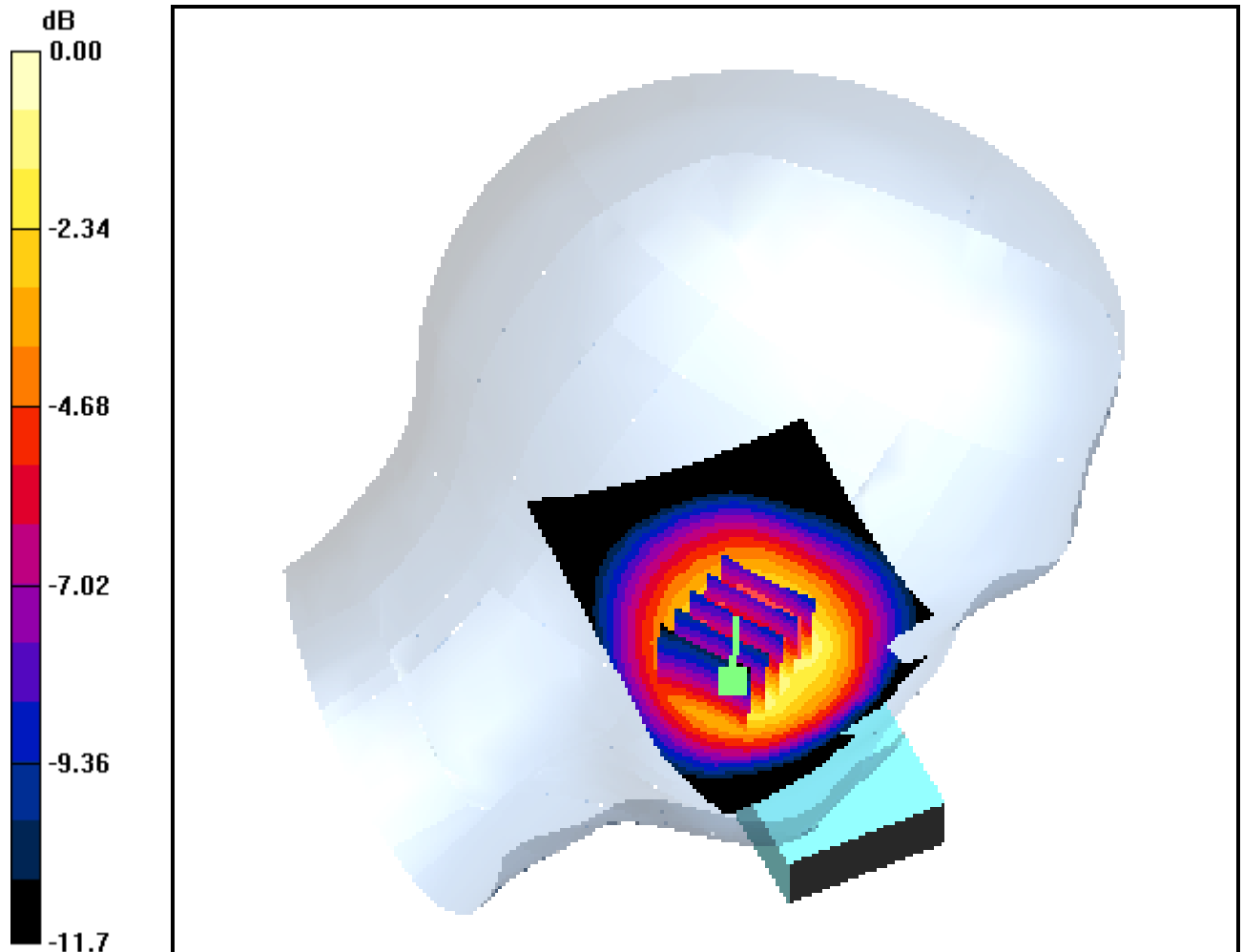
Area Scan (61x91x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

Power Drift = -0.083 dB

Peak SAR (extrapolated) = 0.543 W/kg

SAR(1 g) = 0.351 mW/g; SAR(10 g) = 0.231 mW/g



0 dB = 0.389mW/g

DIGITAL EMC CO., LTD

DUT: VK4500; Type: Slide Type

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

Medium parameters used: $f = 824.2 \text{ MHz}$; $\sigma = 0.9 \text{ mho/m}$; $\epsilon_r = 42.4$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Right Section

DASY4 Configuration:

Probe: ET3DV6 - SN1703; ConvF(6.51, 6.51, 6.51); Calibrated: 2005-03-24; Electronics: DAE3 Sn520

Phantom: SAM with 835MHz; Type: SAM; Serial: TP-1223

Measurement SW: DASY4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 145

Date: 2006-02-20; Ambient Temp: 22.0; Tissue Temp: 21.0

Right Touch Slide Down, GSM Ch.128, Ant Intenna, Standard Battery

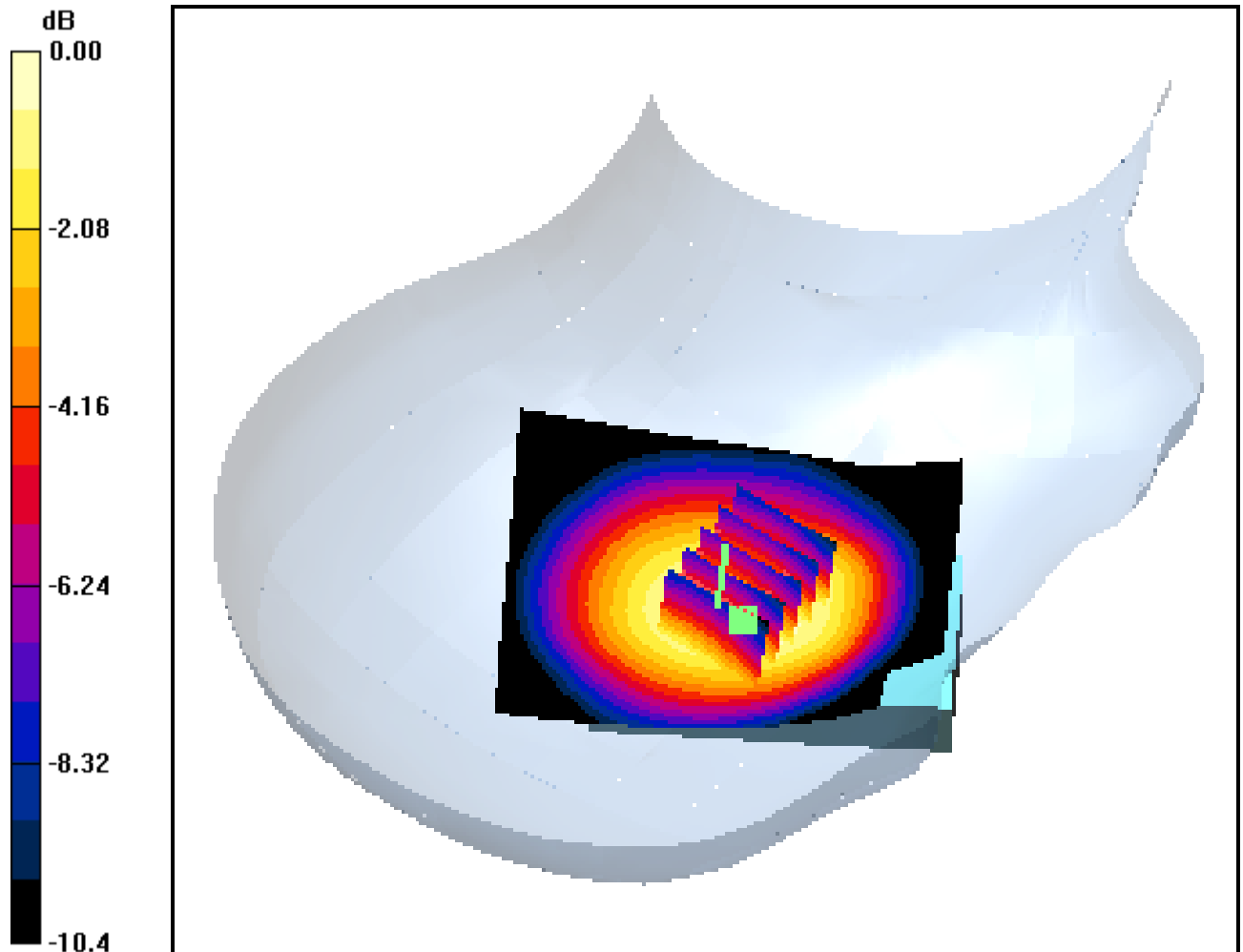
Area Scan (61x81x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

Power Drift = -0.067 dB

Peak SAR (extrapolated) = 0.225 W/kg

SAR(1 g) = 0.176 mW/g; SAR(10 g) = 0.128 mW/g



0 dB = 0.186mW/g

DIGITAL EMC CO., LTD

DUT: VK4500; Type: Slide Type

Communication System: GSM 850; Frequency: 836.6 MHz; Duty Cycle: 1:8.3

Medium parameters used: $f = 836.6 \text{ MHz}$; $\sigma = 0.912 \text{ mho/m}$; $\epsilon_r = 42.3$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Right Section

DASY4 Configuration:

Probe: ET3DV6 - SN1703; ConvF(6.51, 6.51, 6.51); Calibrated: 2005-03-24; Electronics: DAE3 Sn520

Phantom: SAM with 835MHz; Type: SAM; Serial: TP-1223

Measurement SW: DASY4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 145

Date: 2006-02-20; Ambient Temp: 22.0; Tissue Temp: 21.0

Right Touch Slide Down, GSM Ch.190, Ant Intenna, Standard Battery

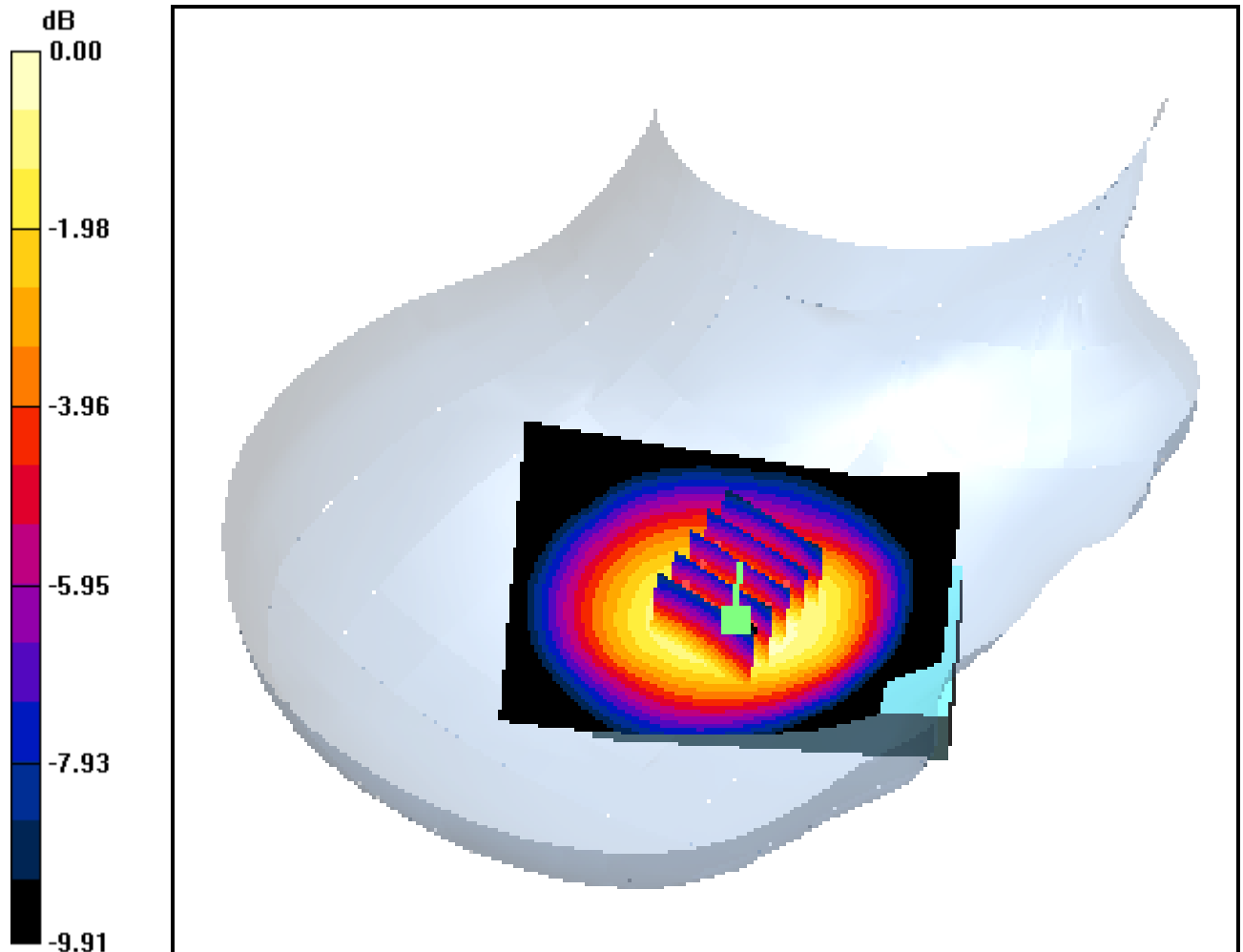
Area Scan (61x81x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

Power Drift = -0.010 dB

Peak SAR (extrapolated) = 0.272 W/kg

SAR(1 g) = 0.210 mW/g; SAR(10 g) = 0.153 mW/g



0 dB = 0.220mW/g

DIGITAL EMC CO., LTD

DUT: VK4500; Type: Slide Type

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

Medium parameters used: $f = 848.8 \text{ MHz}$; $\sigma = 0.925 \text{ mho/m}$; $\epsilon_r = 42.2$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Right Section

DASY4 Configuration:

Probe: ET3DV6 - SN1703; ConvF(6.51, 6.51, 6.51); Calibrated: 2005-03-24; Electronics: DAE3 Sn520

Phantom: SAM with 835MHz; Type: SAM; Serial: TP-1223

Measurement SW: DASY4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 145

Date: 2006-02-20; Ambient Temp: 22.0; Tissue Temp: 21.0

Right Touch Slide Down, GSM Ch.251, Ant Intenna, Standard Battery

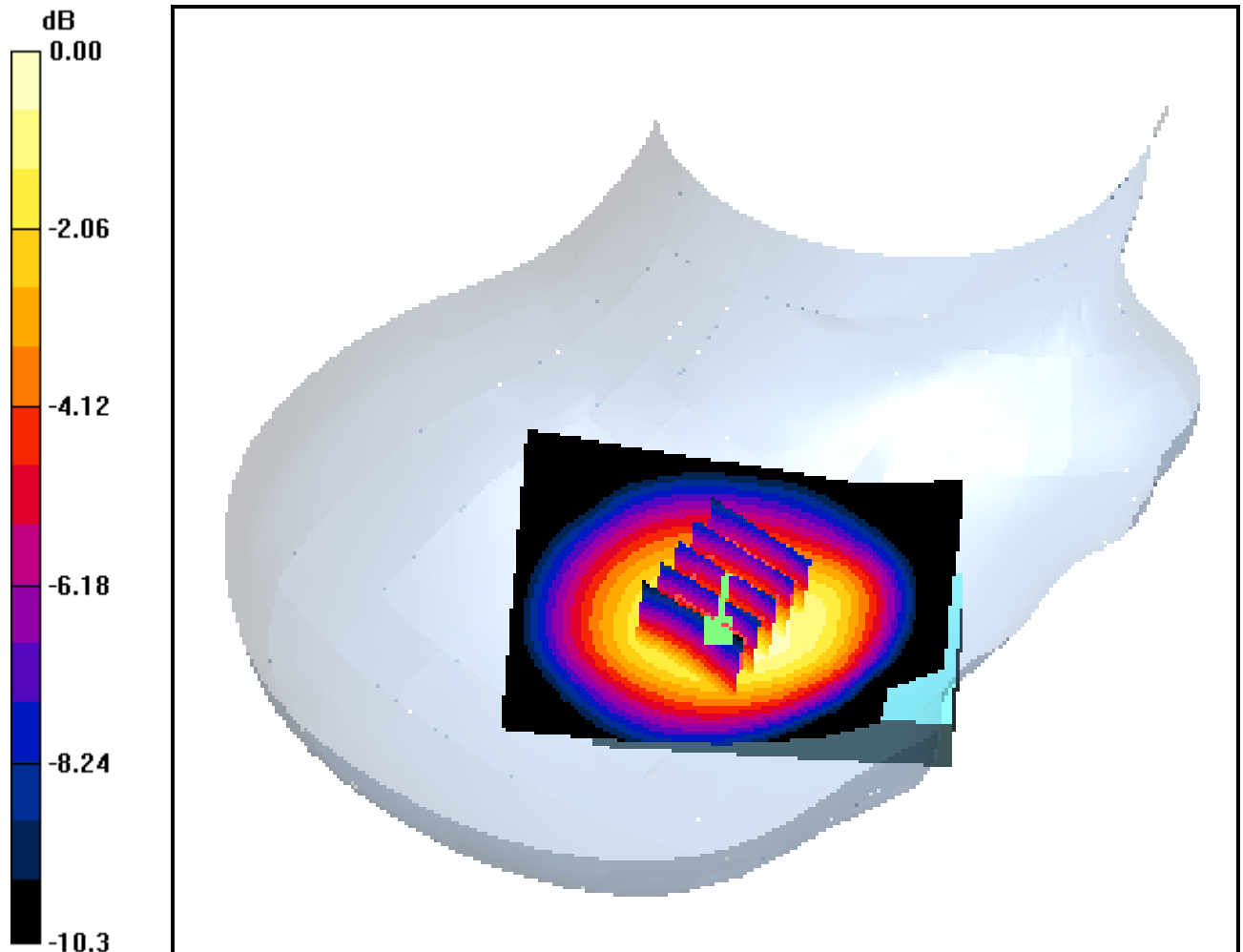
Area Scan (61x81x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

Power Drift = -0.034 dB

Peak SAR (extrapolated) = 0.276 W/kg

SAR(1 g) = 0.216 mW/g; SAR(10 g) = 0.156 mW/g



0 dB = 0.228mW/g

DIGITAL EMC CO., LTD

DUT: VK4500; Type: Slide Type

Communication System: GSM 850; Frequency: 836.6 MHz; Duty Cycle: 1:8.3

Medium parameters used: $f = 836.6 \text{ MHz}$; $\sigma = 0.912 \text{ mho/m}$; $\epsilon_r = 42.3$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Right Section

DASY4 Configuration:

Probe: ET3DV6 - SN1703; ConvF(6.51, 6.51, 6.51); Calibrated: 2005-03-24; Electronics: DAE3 Sn520

Phantom: SAM with 835MHz; Type: SAM; Serial: TP-1223

Measurement SW: DASY4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 145

Date: 2006-02-20; Ambient Temp: 22.0; Tissue Temp: 21.0

Right Tilt Slide Down, GSM Ch.190, Ant Intenna, Standard Battery

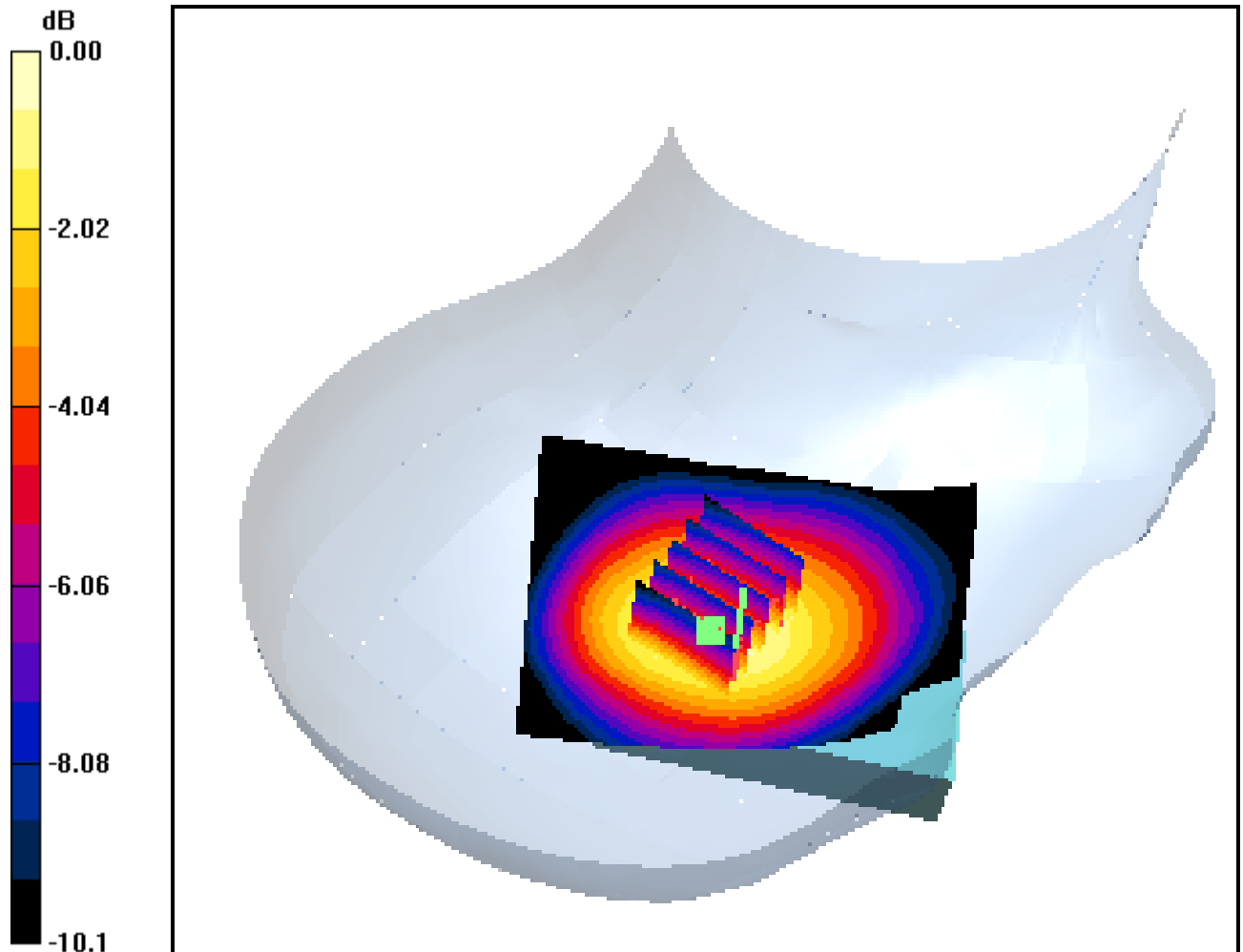
Area Scan (61x81x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

Power Drift = -0.101 dB

Peak SAR (extrapolated) = 0.160 W/kg

SAR(1 g) = 0.119 mW/g; SAR(10 g) = 0.085 mW/g



0 dB = 0.127mW/g

DIGITAL EMC CO., LTD

DUT: VK4500; Type: Slide Type

Communication System: GSM 850; Frequency: 824.2 MHz; Duty Cycle: 1:8.3
Medium parameters used: $f = 824.2 \text{ MHz}$; $\sigma = 0.9 \text{ mho/m}$; $\epsilon_r = 42.4$; $\rho = 1000 \text{ kg/m}^3$
Phantom section: Left Section

DASY4 Configuration:

Probe: ET3DV6 - SN1703; ConvF(6.51, 6.51, 6.51); Calibrated: 2005-03-24; Electronics: DAE3 Sn520
Phantom: SAM with 835MHz; Type: SAM; Serial: TP-1223
Measurement SW: DASY4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 145

Date: 2006-02-20; Ambient Temp: 22.0; Tissue Temp: 21.0

Left Touch Slide Down, GSM Ch.128, Ant Intenna, Standard Battery

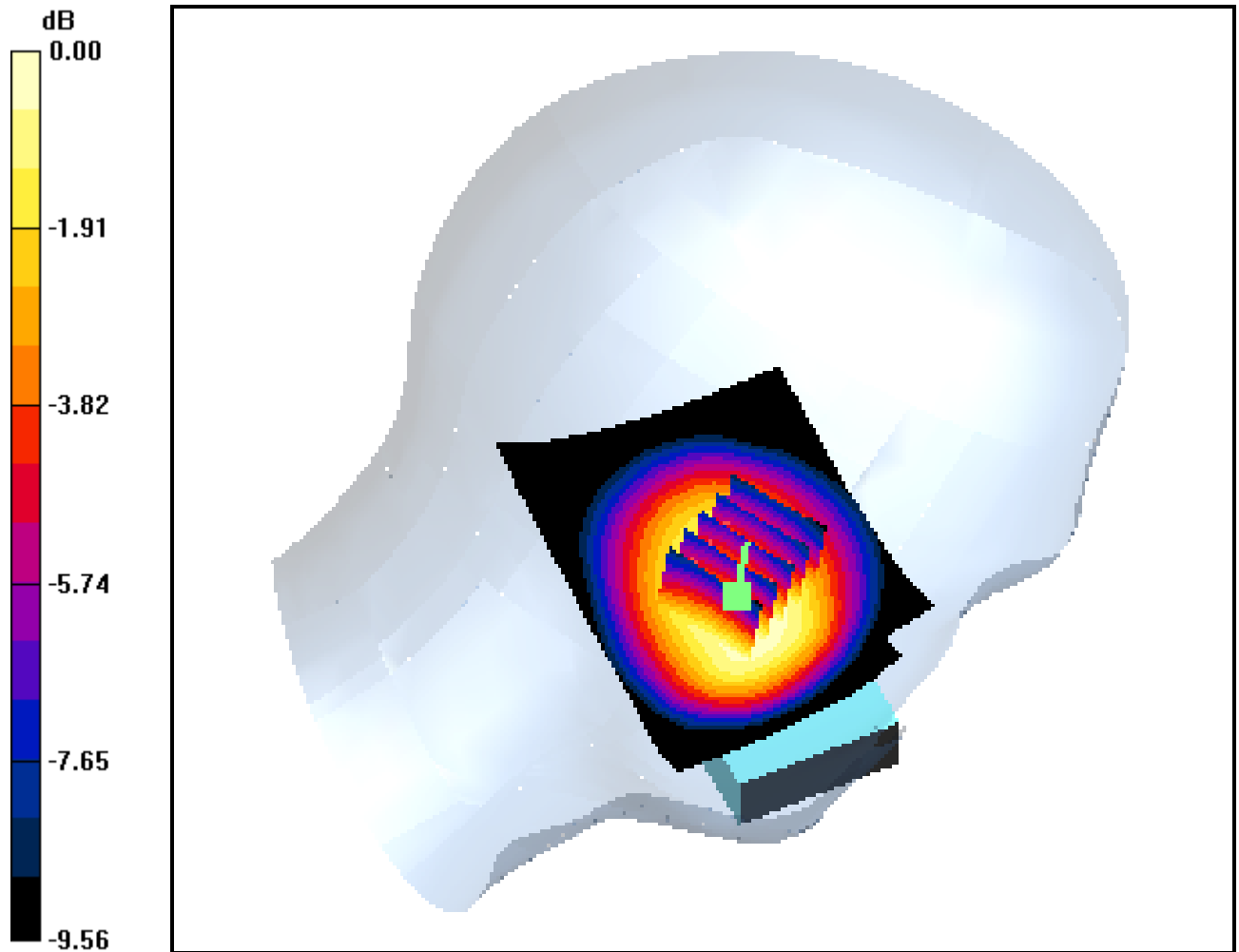
Area Scan (61x81x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

Power Drift = -0.118 dB

Peak SAR (extrapolated) = 0.186 W/kg

SAR(1 g) = 0.149 mW/g; SAR(10 g) = 0.111 mW/g



0 dB = 0.156mW/g

DIGITAL EMC CO., LTD

DUT: VK4500; Type: Slide Type

Communication System: GSM 850; Frequency: 836.6 MHz; Duty Cycle: 1:8.3

Medium parameters used: $f = 836.6 \text{ MHz}$; $\sigma = 0.912 \text{ mho/m}$; $\epsilon_r = 42.3$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Left Section

DASY4 Configuration:

Probe: ET3DV6 - SN1703; ConvF(6.51, 6.51, 6.51); Calibrated: 2005-03-24; Electronics: DAE3 Sn520

Phantom: SAM with 835MHz; Type: SAM; Serial: TP-1223

Measurement SW: DASY4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 145

Date: 2006-02-20; Ambient Temp: 22.0; Tissue Temp: 21.0

Left Touch Slide Down, GSM Ch.190, Ant Intenna, Standard Battery

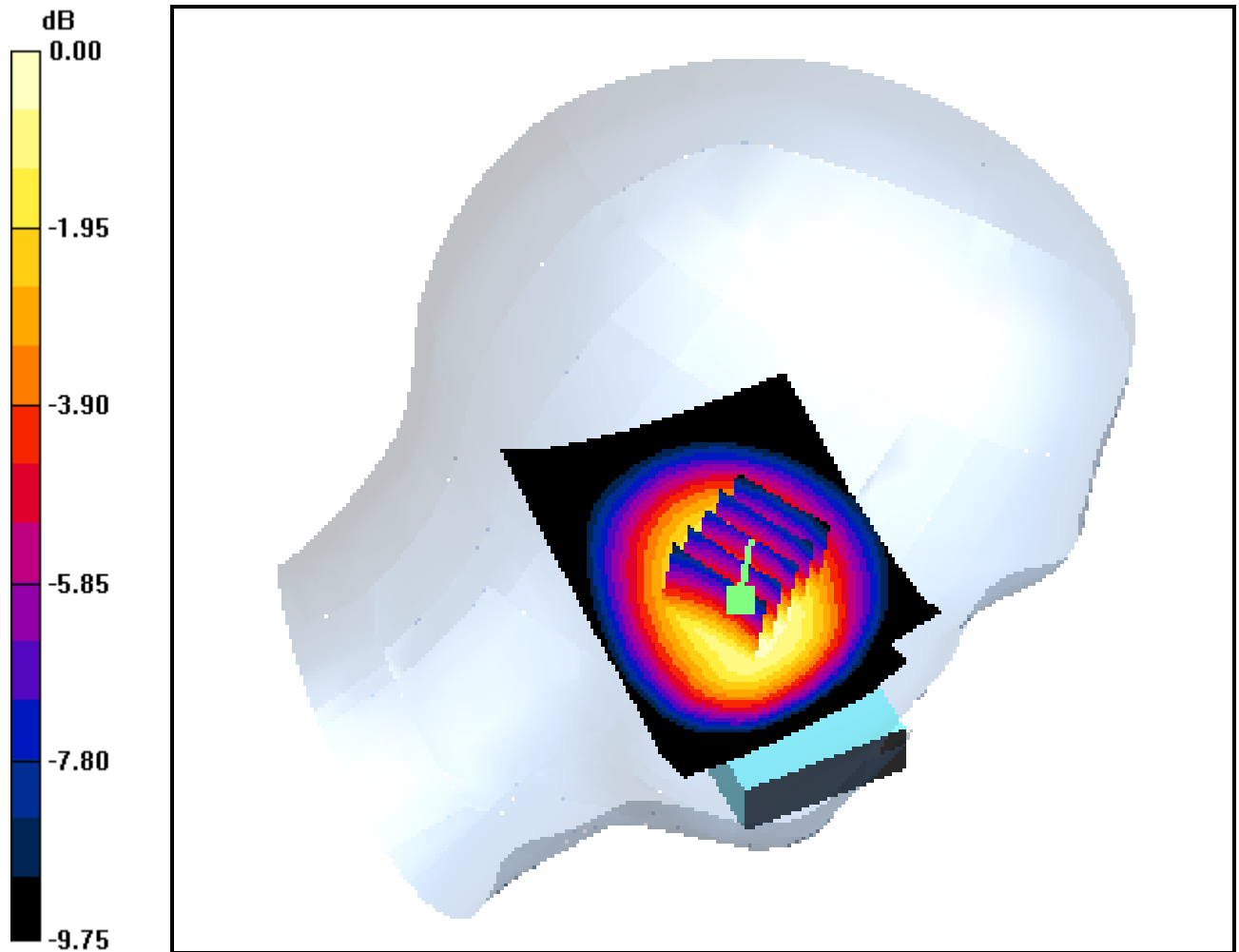
Area Scan (61x81x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

Power Drift = -0.127 dB

Peak SAR (extrapolated) = 0.277 W/kg

SAR(1 g) = 0.215 mW/g; SAR(10 g) = 0.156 mW/g



0 dB = 0.227mW/g

DIGITAL EMC CO., LTD

DUT: VK4500; Type: Slide Type

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

Medium parameters used: $f = 848.8 \text{ MHz}$; $\sigma = 0.925 \text{ mho/m}$; $\epsilon_r = 42.2$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Left Section

DASY4 Configuration:

Probe: ET3DV6 - SN1703; ConvF(6.51, 6.51, 6.51); Calibrated: 2005-03-24; Electronics: DAE3 Sn520

Phantom: SAM with 835MHz; Type: SAM; Serial: TP-1223

Measurement SW: DASY4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 145

Date: 2006-02-20; Ambient Temp: 22.0; Tissue Temp: 21.0

Left Touch Slide Down, GSM Ch.251, Ant Intenna, Standard Battery

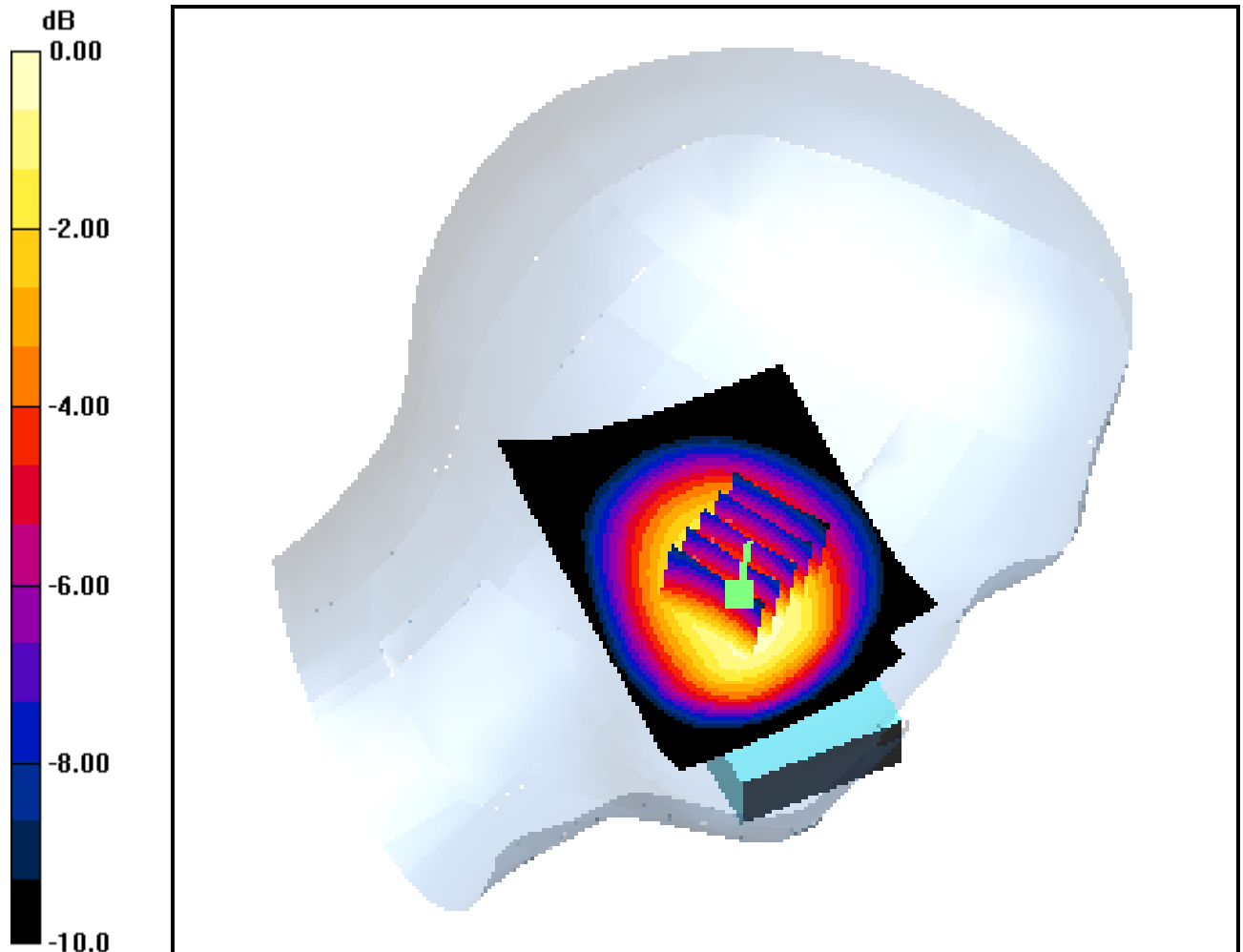
Area Scan (61x81x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

Power Drift = -0.059 dB

Peak SAR (extrapolated) = 0.272 W/kg

SAR(1 g) = 0.215 mW/g; SAR(10 g) = 0.157 mW/g



0 dB = 0.225mW/g

DIGITAL EMC CO., LTD

DUT: VK4500; Type: Slide Type

Communication System: GSM 850; Frequency: 836.6 MHz; Duty Cycle: 1:8.3

Medium parameters used: $f = 836.6 \text{ MHz}$; $\sigma = 0.912 \text{ mho/m}$; $\epsilon_r = 42.3$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Left Section

DASY4 Configuration:

Probe: ET3DV6 - SN1703; ConvF(6.51, 6.51, 6.51); Calibrated: 2005-03-24; Electronics: DAE3 Sn520

Phantom: SAM with 835MHz; Type: SAM; Serial: TP-1223

Measurement SW: DASY4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 145

Date: 2006-02-20; Ambient Temp: 22.0; Tissue Temp: 21.0

Left Tilt Slide Down, GSM Ch.190, Ant Intenna, Standard Battery

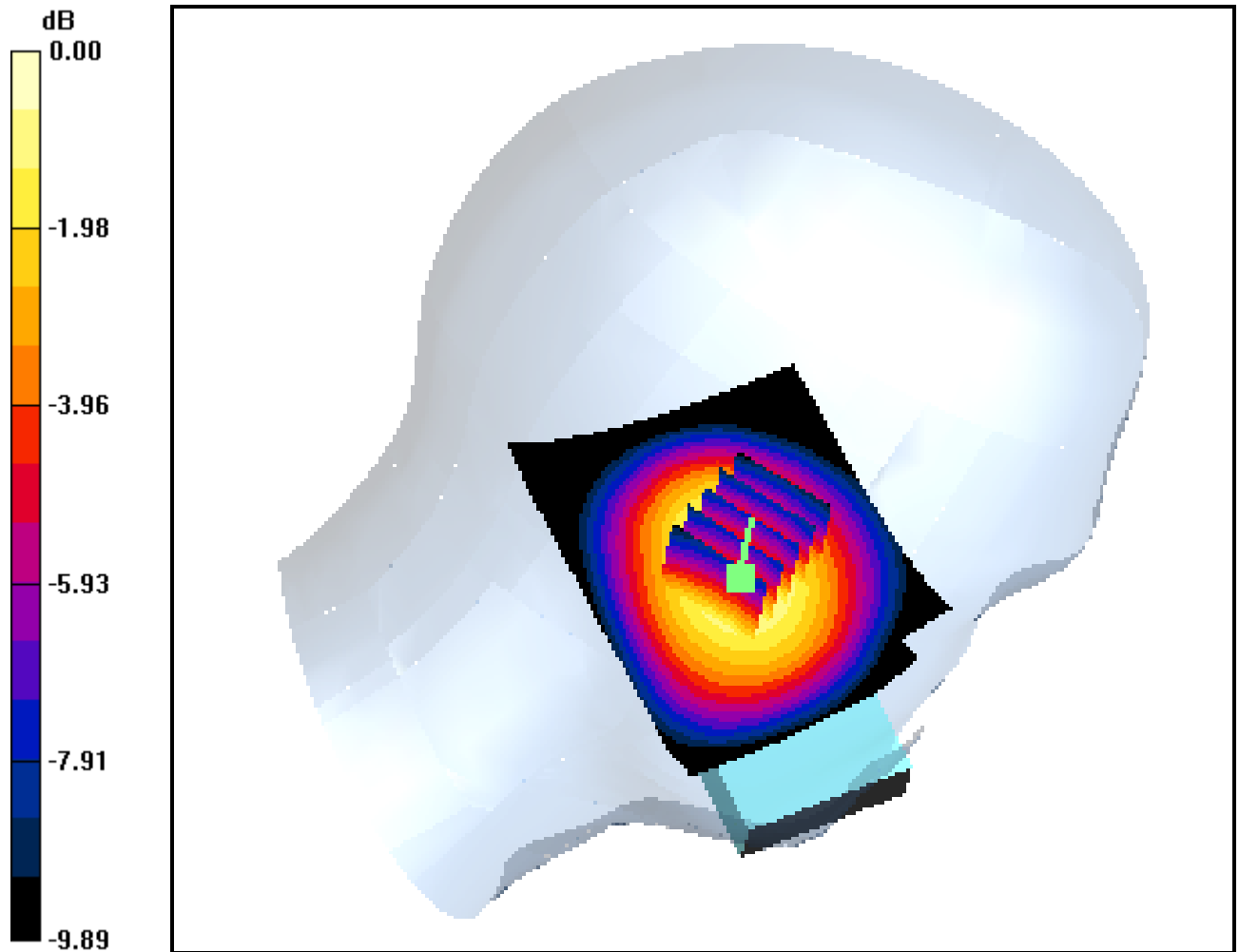
Area Scan (61x81x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

Power Drift = 0.013 dB

Peak SAR (extrapolated) = 0.202 W/kg

SAR(1 g) = 0.152 mW/g; SAR(10 g) = 0.108 mW/g



0 dB = 0.162mW/g

DIGITAL EMC CO., LTD

DUT: VK4500; Type: Slide Type

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

Medium parameters used: $f = 848.8 \text{ MHz}$; $\sigma = 0.925 \text{ mho/m}$; $\epsilon_r = 42.2$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Right Section

DASY4 Configuration:

Probe: ET3DV6 - SN1703; ConvF(6.51, 6.51, 6.51); Calibrated: 2005-03-24; Electronics: DAE3 Sn520

Phantom: SAM with 835MHz; Type: SAM; Serial: TP-1223

Measurement SW: DASY4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 145

Date: 2006-02-20; Ambient Temp: 22.0; Tissue Temp: 21.0

Right Touch Slide Down, GSM Ch.251, Ant Intenna, Extended Battery

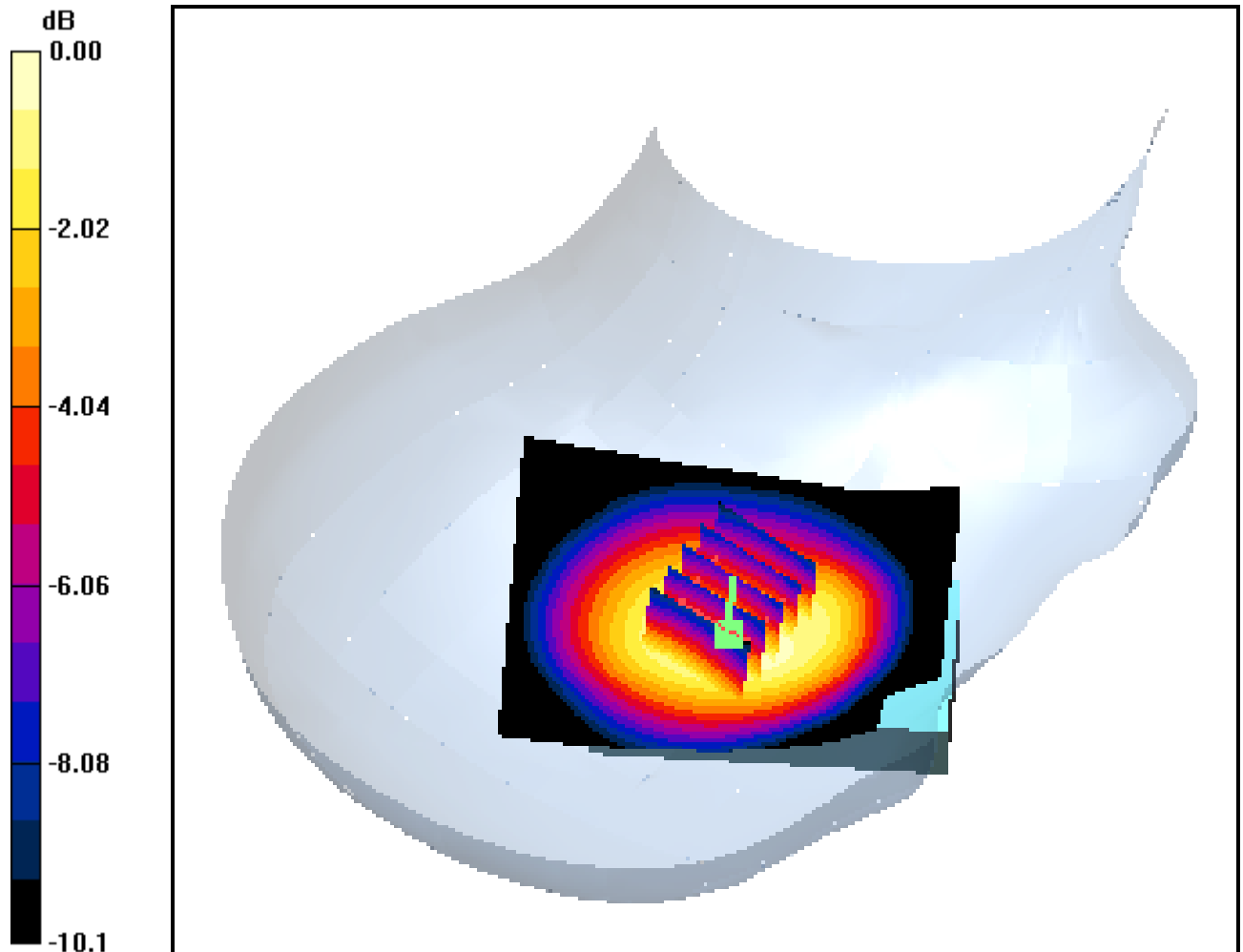
Area Scan (61x81x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

Power Drift = -0.062 dB

Peak SAR (extrapolated) = 0.251 W/kg

SAR(1 g) = 0.197 mW/g; SAR(10 g) = 0.143 mW/g



0 dB = 0.207mW/g

DIGITAL EMC CO., LTD

DUT: VK4500; Type: Slide Type

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

Medium parameters used: $f = 848.8 \text{ MHz}$; $\sigma = 0.925 \text{ mho/m}$; $\epsilon_r = 42.2$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Right Section

DASY4 Configuration:

Probe: ET3DV6 - SN1703; ConvF(6.51, 6.51, 6.51); Calibrated: 2005-03-24; Electronics: DAE3 Sn520

Phantom: SAM with 835MHz; Type: SAM; Serial: TP-1223

Measurement SW: DASY4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 145

Date: 2006-02-20; Ambient Temp: 22.0; Tissue Temp: 21.0

Right Touch Slide Down, GSM Ch.251, Ant Intenna, Standard Battery With BT ON

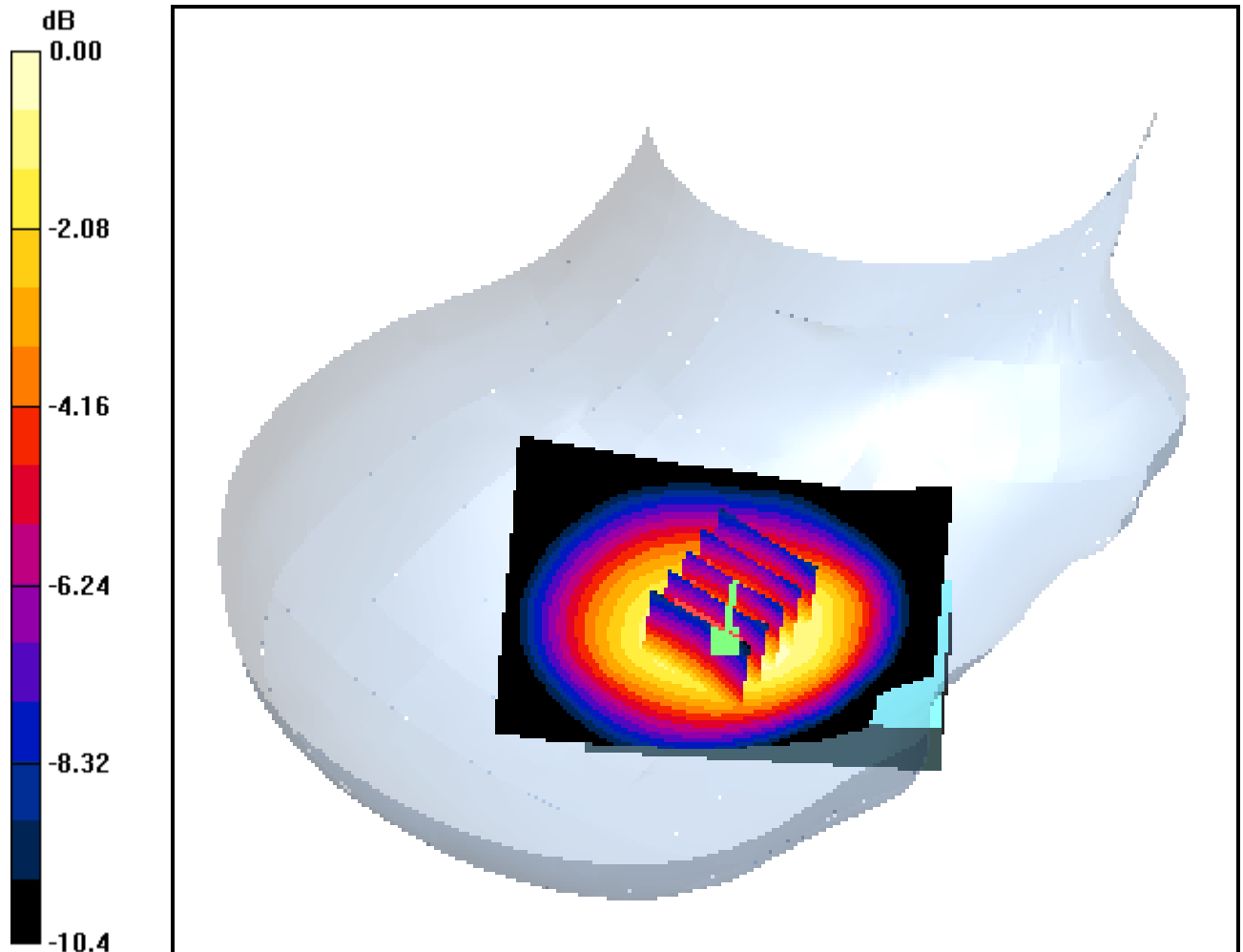
Area Scan (61x81x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

Power Drift = -0.048 dB

Peak SAR (extrapolated) = 0.289 W/kg

SAR(1 g) = 0.225 mW/g; SAR(10 g) = 0.164 mW/g



0 dB = 0.237mW/g

DIGITAL EMC CO., LTD

DUT: VK4500; Type: Slide Type

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

Medium parameters used: $f = 848.8 \text{ MHz}$; $\sigma = 0.925 \text{ mho/m}$; $\epsilon_r = 42.2$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Left Section

DASY4 Configuration:

Probe: ET3DV6 - SN1703; ConvF(6.51, 6.51, 6.51); Calibrated: 2005-03-24; Electronics: DAE3 Sn520

Phantom: SAM with 835MHz; Type: SAM; Serial: TP-1223

Measurement SW: DASY4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 145

Date: 2006-02-20; Ambient Temp: 22.0; Tissue Temp: 21.0

Left Touch Slide Down, GSM Ch.251, Ant Intenna, Extended Battery

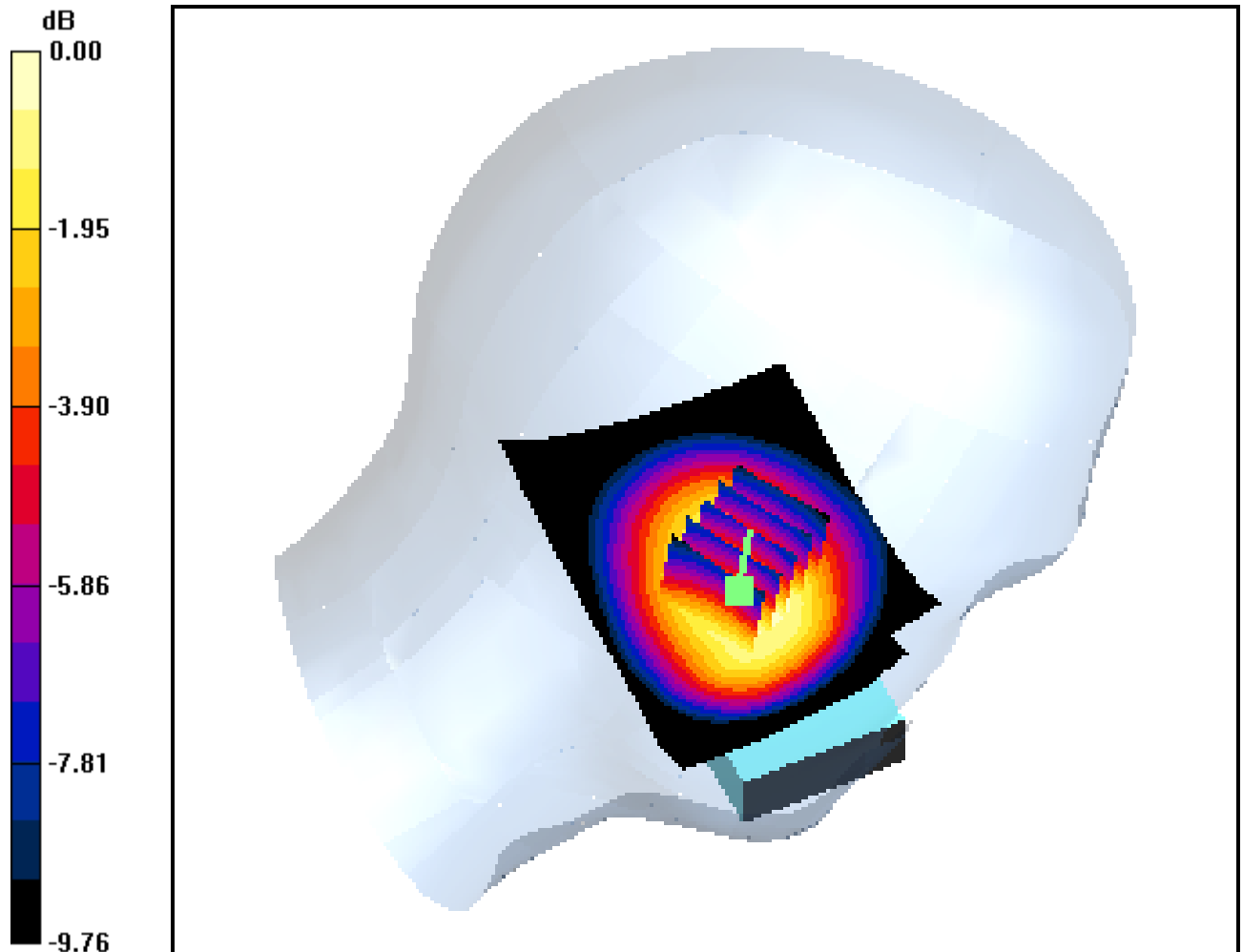
Area Scan (61x81x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

Power Drift = 0.01 dB

Peak SAR (extrapolated) = 0.244 W/kg

SAR(1 g) = 0.189 mW/g; SAR(10 g) = 0.137 mW/g



0 dB = 0.200mW/g

DIGITAL EMC CO., LTD

DUT: VK4500; Type: Slide Type

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

Medium parameters used: $f = 848.8 \text{ MHz}$; $\sigma = 0.925 \text{ mho/m}$; $\epsilon_r = 42.2$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Left Section

DASY4 Configuration:

Probe: ET3DV6 - SN1703; ConvF(6.51, 6.51, 6.51); Calibrated: 2005-03-24; Electronics: DAE3 Sn520

Phantom: SAM with 835MHz; Type: SAM; Serial: TP-1223

Measurement SW: DASY4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 145

Date: 2006-02-20; Ambient Temp: 22.0; Tissue Temp: 21.0

Left Touch Slide Down, GSM Ch.251, Ant Intenna, Standard Battery With BT ON

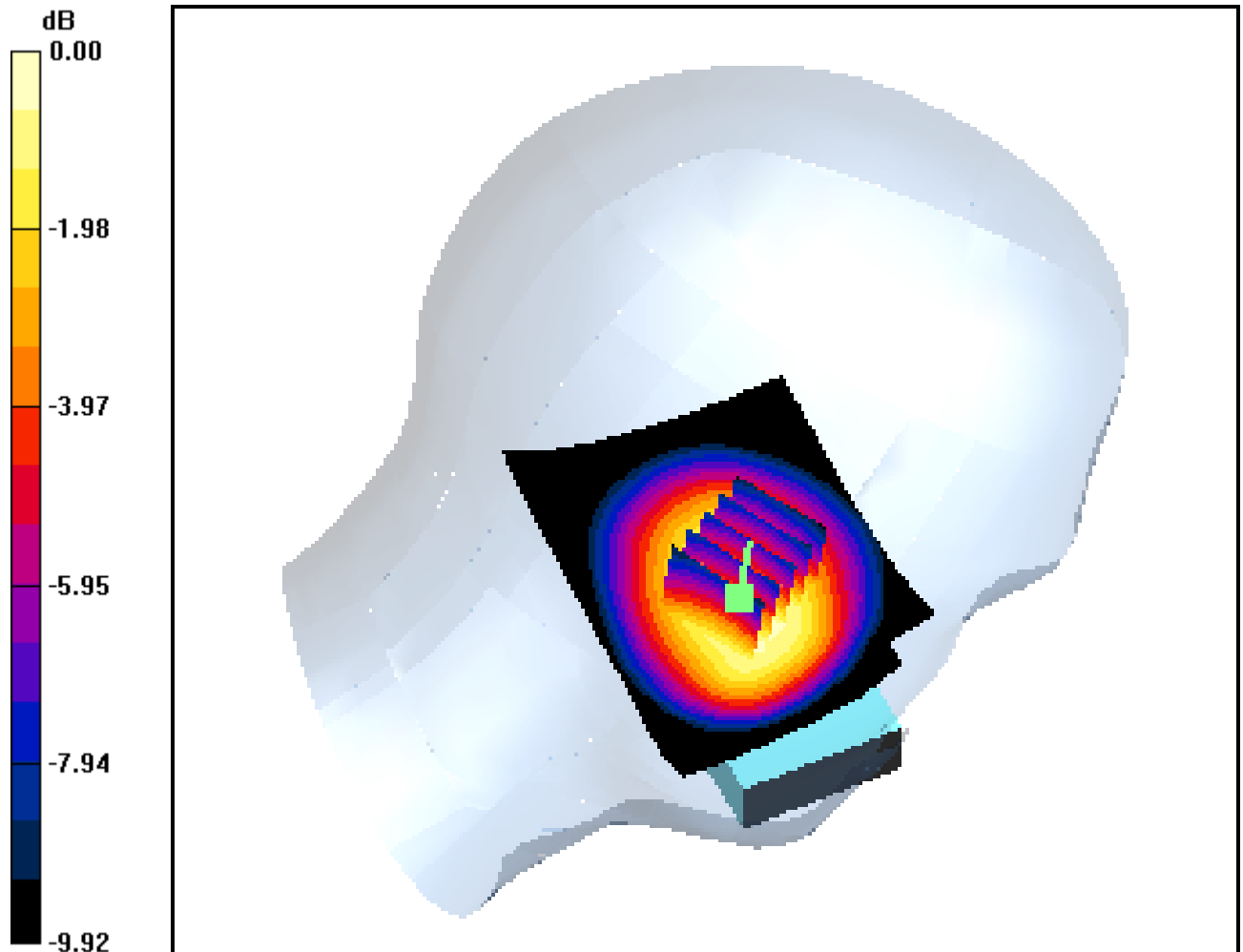
Area Scan (61x81x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

Power Drift = -0.068 dB

Peak SAR (extrapolated) = 0.263 W/kg

SAR(1 g) = 0.204 mW/g; SAR(10 g) = 0.148 mW/g



0 dB = 0.217mW/g

DIGITAL EMC CO., LTD

DUT: VK4500; Type: Slide Type

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

Medium parameters used: $f = 824.2 \text{ MHz}$; $\sigma = 0.989 \text{ mho/m}$; $\epsilon_r = 54.2$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

DASY4 Configuration:

Probe: ET3DV6 - SN1703; ConvF(6.39, 6.39, 6.39); Calibrated: 2005-03-24; Electronics: DAE3 Sn520

Phantom: SAM with 835MHz; Type: SAM; Serial: TP-1223

Measurement SW: DASY4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 145

Test Date: 2006-02-23; Ambient Temp: 22.5; Tissue Temp: 22.0

1.5cm from Body, GSM Ch.128, Ant Intenna, Standard Battery

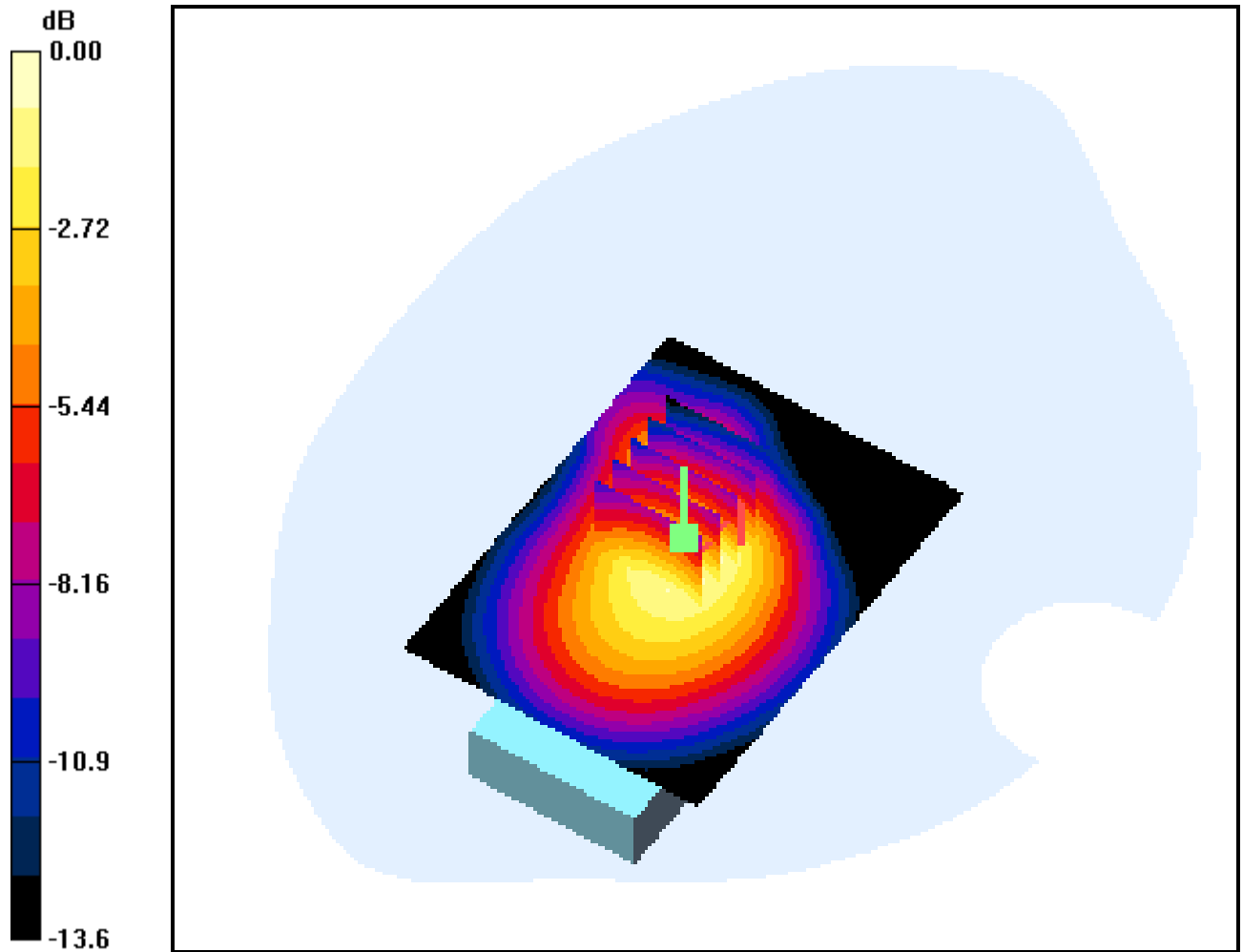
Area Scan (61x81x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

Power Drift = 0.01 dB

Peak SAR (extrapolated) = 0.407 W/kg

SAR(1 g) = 0.309 mW/g; SAR(10 g) = 0.210 mW/g



0 dB = 0.334mW/g

DIGITAL EMC CO., LTD

DUT: VK4500; Type: Slide Type

Communication System: GSM 850; Frequency: 836.6 MHz; Duty Cycle: 1:8.3
Medium parameters used: $f = 836.6 \text{ MHz}$; $\sigma = 1 \text{ mho/m}$; $\epsilon_r = 54.1$; $\rho = 1000 \text{ kg/m}^3$
Phantom section: Flat Section

DASY4 Configuration:

Probe: ET3DV6 - SN1703; ConvF(6.39, 6.39, 6.39); Calibrated: 2005-03-24; Electronics: DAE3 Sn520
Phantom: SAM with 835MHz; Type: SAM; Serial: TP-1223
Measurement SW: DASY4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 145

Test Date: 2006-02-23; Ambient Temp: 22.5; Tissue Temp: 22.0

1.5cm from Body, GSM Ch.190, Ant Intenna, Standard Battery

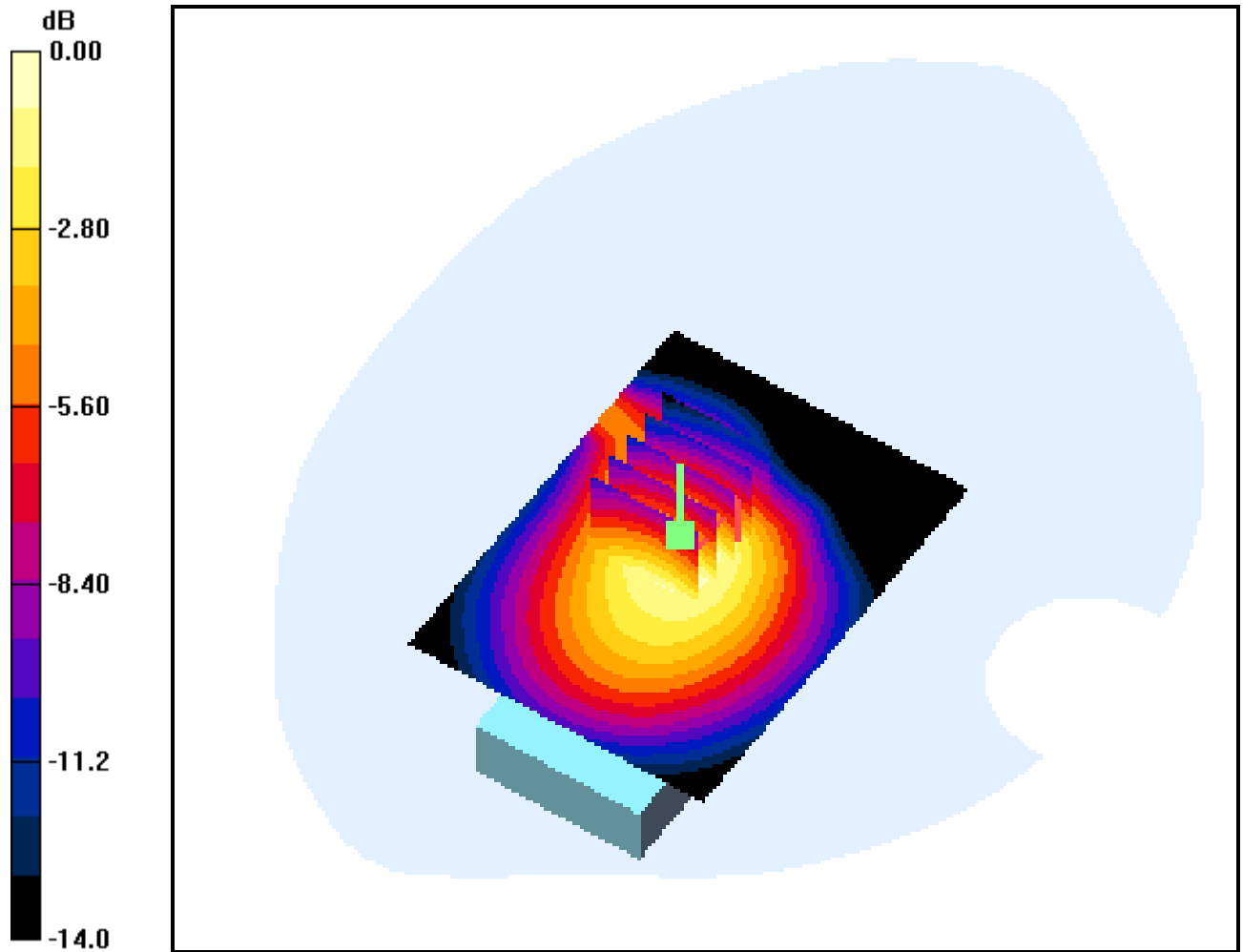
Area Scan (61x81x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

Power Drift = 0.040 dB

Peak SAR (extrapolated) = 0.754 W/kg

SAR(1 g) = 0.490 mW/g; SAR(10 g) = 0.321 mW/g



0 dB = 0.531mW/g

DIGITAL EMC CO., LTD

DUT: VK4500; Type: Slide Type

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

Medium parameters used: $f = 848.8 \text{ MHz}$; $\sigma = 1.01 \text{ mho/m}$; $\epsilon_r = 54$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

DASY4 Configuration:

Probe: ET3DV6 - SN1703; ConvF(6.39, 6.39, 6.39); Calibrated: 2005-03-24; Electronics: DAE3 Sn520

Phantom: SAM with 835MHz; Type: SAM; Serial: TP-1223

Measurement SW: DASY4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 145

Test Date: 2006-02-23; Ambient Temp: 22.5; Tissue Temp: 22.0

1.5cm from Body, GSM Ch.251, Ant Intenna, Standard Battery

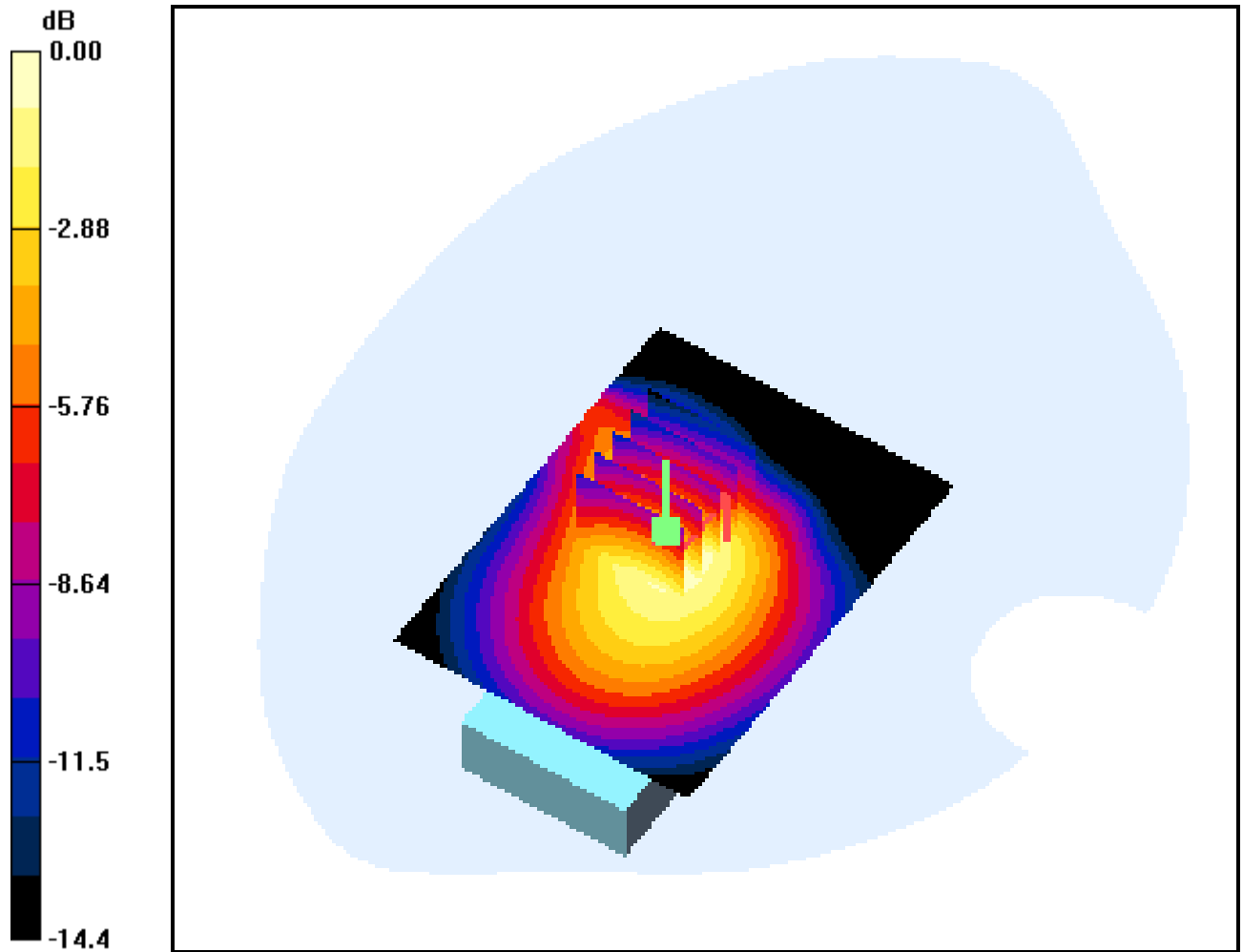
Area Scan (61x81x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

Power Drift = -0.00 dB

Peak SAR (extrapolated) = 0.775 W/kg

SAR(1 g) = 0.497 mW/g; SAR(10 g) = 0.322 mW/g



0 dB = 0.532mW/g

DIGITAL EMC CO., LTD

DUT: VK4500; Type: Slide Type

Communication System: GSM 850; Frequency: 848.8 MHz; Duty Cycle: 1:8.3
Medium parameters used: $f = 848.8 \text{ MHz}$; $\sigma = 1.01 \text{ mho/m}$; $\epsilon_r = 54$; $\rho = 1000 \text{ kg/m}^3$
Phantom section: Flat Section

DASY4 Configuration:

Probe: ET3DV6 - SN1703; ConvF(6.39, 6.39, 6.39); Calibrated: 2005-03-24; Electronics: DAE3 Sn520
Phantom: SAM with 835MHz; Type: SAM; Serial: TP-1223
Measurement SW: DASY4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 145

Test Date: 2006-02-23; Ambient Temp: 22.5; Tissue Temp: 22.0

1.5cm from Body, GSM Ch.251, Ant Intenna, Extended Battery

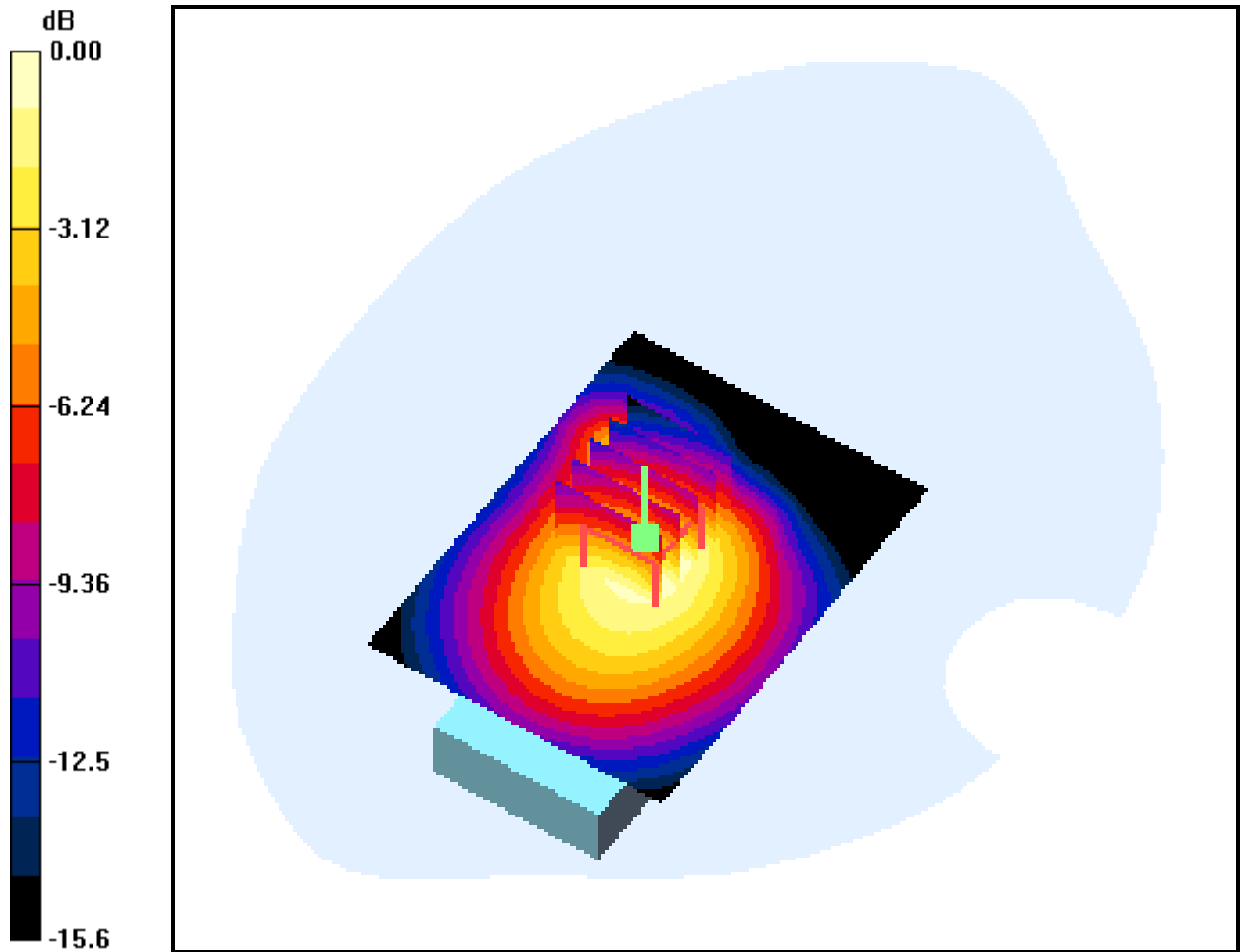
Area Scan (61x81x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

Power Drift = 0.00 dB

Peak SAR (extrapolated) = 0.786 W/kg

SAR(1 g) = 0.511 mW/g; SAR(10 g) = 0.335 mW/g



0 dB = 0.546mW/g

DIGITAL EMC CO., LTD

DUT: VK4500; Type: Slide Type

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

Medium parameters used: $f = 848.8 \text{ MHz}$; $\sigma = 1.01 \text{ mho/m}$; $\epsilon_r = 54$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

DASY4 Configuration:

Probe: ET3DV6 - SN1703; ConvF(6.39, 6.39, 6.39); Calibrated: 2005-03-24; Electronics: DAE3 Sn520

Phantom: SAM with 835MHz; Type: SAM; Serial: TP-1223

Measurement SW: DASY4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 145

Test Date: 2006-02-23; Ambient Temp: 22.5; Tissue Temp: 22.0

1.5cm from Body, GSM Ch.251, Ant Intenna, Extended Battery With BT ON

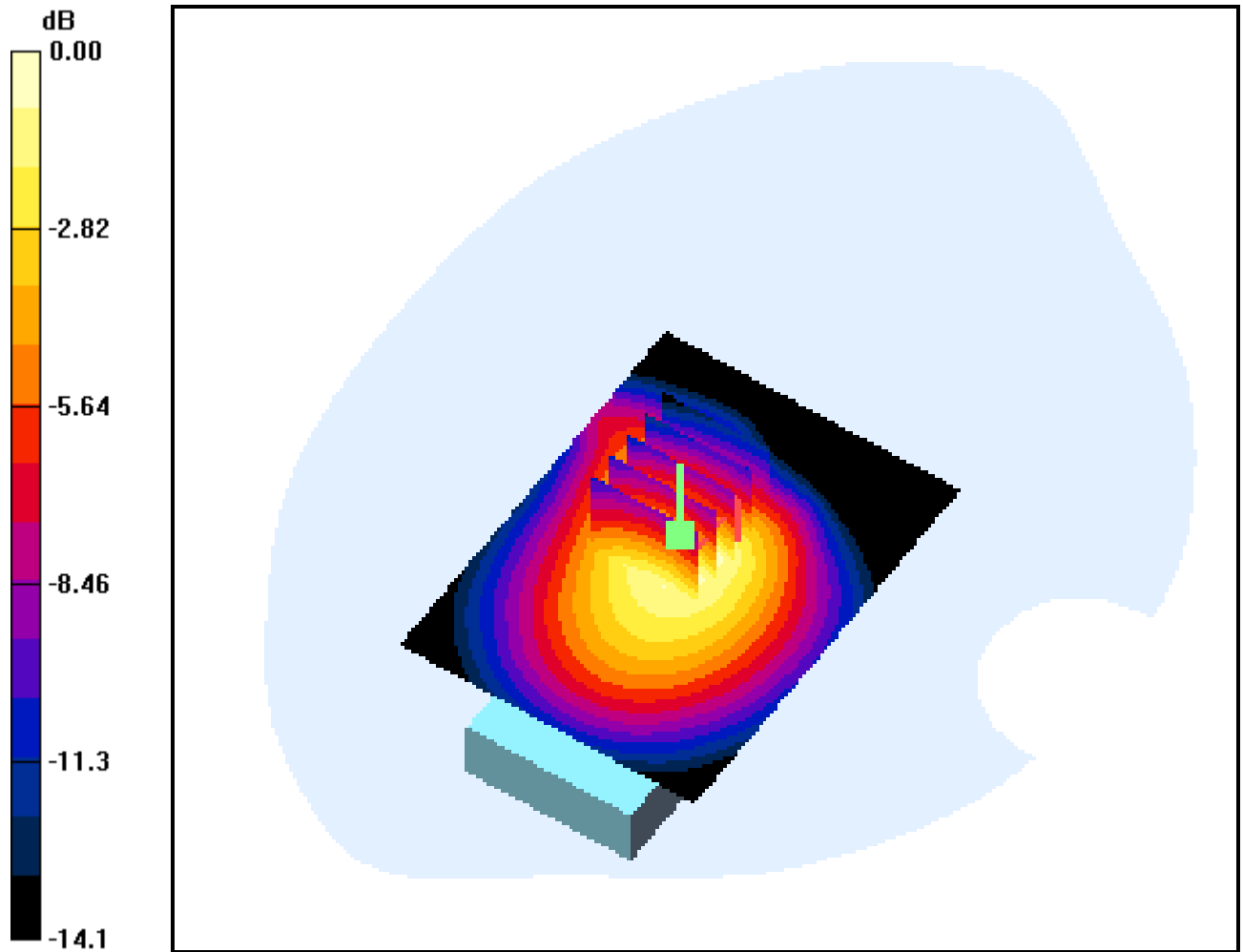
Area Scan (61x81x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

Power Drift = -0.035 dB

Peak SAR (extrapolated) = 0.771 W/kg

SAR(1 g) = 0.507 mW/g; SAR(10 g) = 0.330 mW/g



0 dB = 0.549mW/g

DIGITAL EMC CO., LTD

DUT: VK4500; Type: Slide Type

Communication System: PCS1900; Frequency: 1850.2 MHz; Duty Cycle: 1:8.3
Medium parameters used: $f = 1850.2 \text{ MHz}$; $\sigma = 1.35 \text{ mho/m}$; $\epsilon_r = 39.8$; $\rho = 1000 \text{ kg/m}^3$
Phantom section: Right Section

DASY4 Configuration:

Probe: ET3DV6 - SN1703; ConvF(5.27, 5.27, 5.27); Calibrated: 2005-03-24; Electronics: DAE3 Sn520
Phantom: SAM 1800/1900 MHz; Type: SAM; Serial: TP-1224
Measurement SW: DASY4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 145

Date: 2006-01-23; Ambient Temp: 22.5; Tissue Temp: 22.0

Right Touch Slide Up, PCS Ch.512, Ant Intenna, Standard Battery

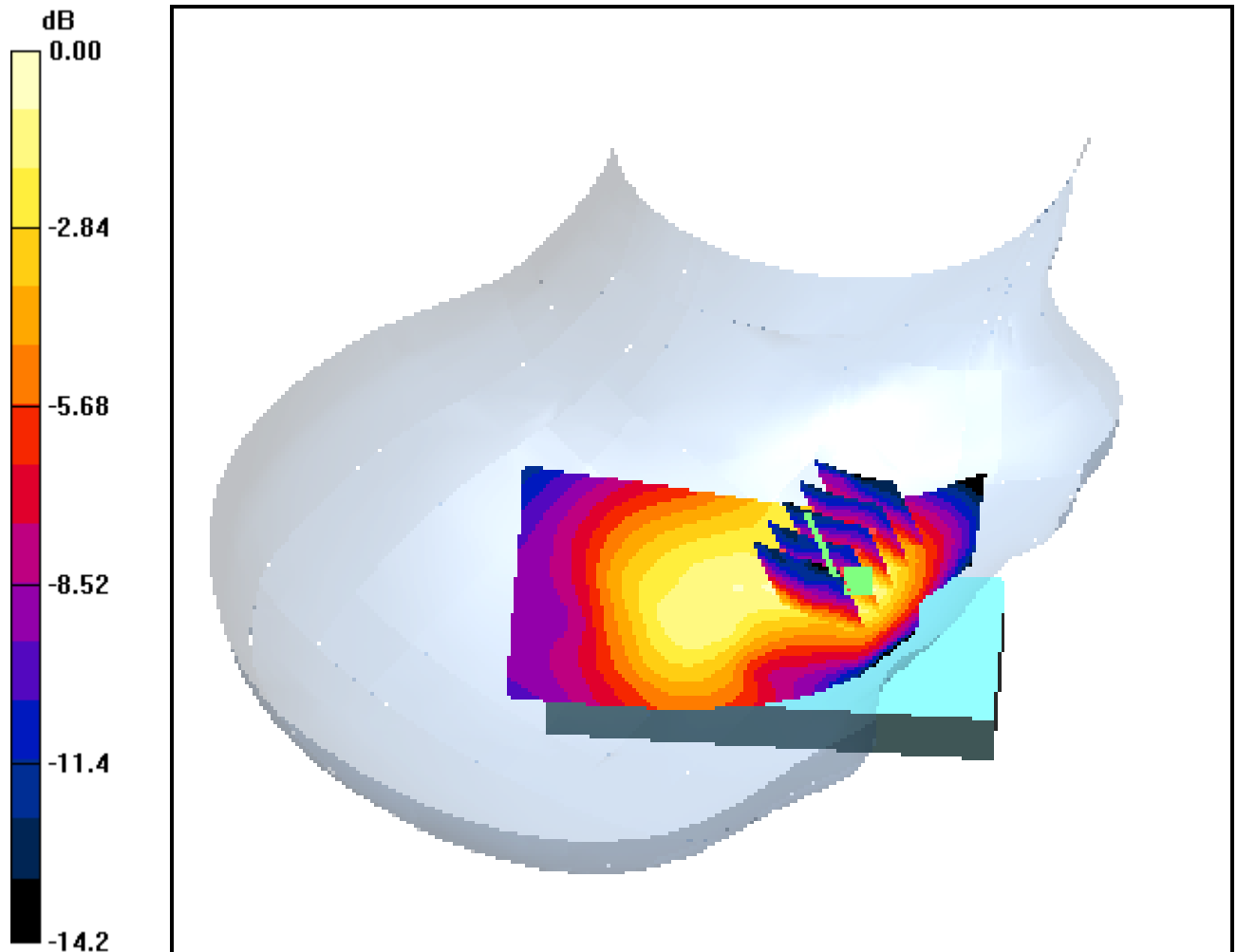
Area Scan (51x91x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

Power Drift = -0.089 dB

Peak SAR (extrapolated) = 0.305 W/kg

SAR(1 g) = 0.188 mW/g; SAR(10 g) = 0.108 mW/g



0 dB = 0.204mW/g

DIGITAL EMC CO., LTD

DUT: VK4500; Type: Slide Type

Communication System: PCS1900; Frequency: 1880 MHz; Duty Cycle: 1:8.3

Medium parameters used: $f = 1880 \text{ MHz}$; $\sigma = 1.37 \text{ mho/m}$; $\epsilon_r = 39.8$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Right Section

DASY4 Configuration:

Probe: ET3DV6 - SN1703; ConvF(5.27, 5.27, 5.27); Calibrated: 2005-03-24; Electronics: DAE3 Sn520

Phantom: SAM 1800/1900 MHz; Type: SAM; Serial: TP-1224

Measurement SW: DASY4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 145

Date: 2006-01-23; Ambient Temp: 22.5; Tissue Temp: 22.0

Right Touch Slide Up, PCS Ch.661, Ant Intenna, Standard Battery

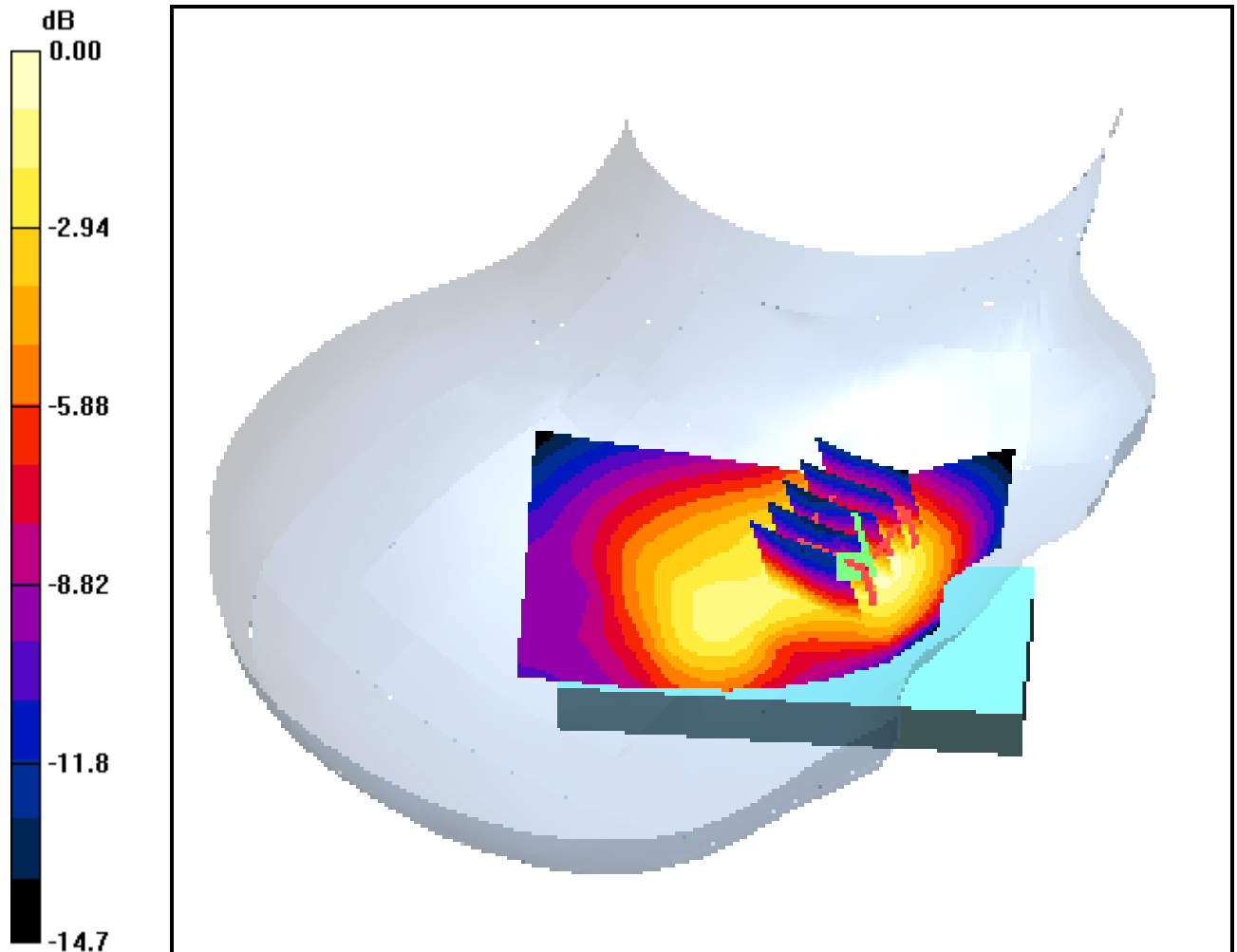
Area Scan (51x91x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

Power Drift = -0.01 dB

Peak SAR (extrapolated) = 0.310 W/kg

SAR(1 g) = 0.193 mW/g; SAR(10 g) = 0.110 mW/g



0 dB = 0.206mW/g

DIGITAL EMC CO., LTD

DUT: VK4500; Type: Slide Type

Communication System: PCS1900; Frequency: 1909.8 MHz; Duty Cycle: 1:8.3
Medium parameters used: $f = 1909.8 \text{ MHz}$; $\sigma = 1.4 \text{ mho/m}$; $\epsilon_r = 39.6$; $\rho = 1000 \text{ kg/m}^3$
Phantom section: Right Section

DASY4 Configuration:

Probe: ET3DV6 - SN1703; ConvF(5.27, 5.27, 5.27); Calibrated: 2005-03-24; Electronics: DAE3 Sn520
Phantom: SAM 1800/1900 MHz; Type: SAM; Serial: TP-1224
Measurement SW: DASY4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 145

Date: 2006-01-23; Ambient Temp: 22.5; Tissue Temp: 22.0

Right Touch Slide Up, PCS Ch.810, Ant Intenna, Standard Battery

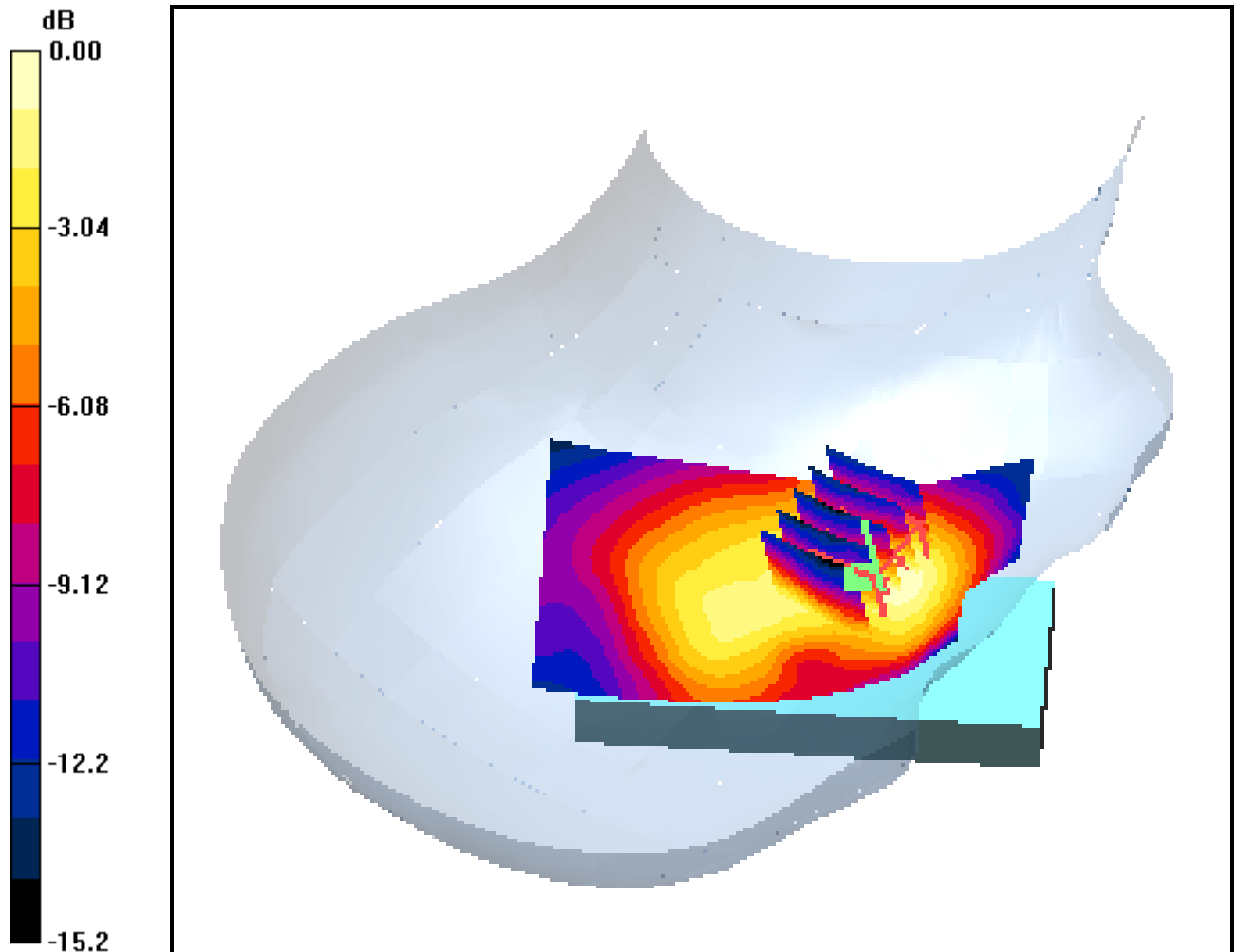
Area Scan (51x91x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

Power Drift = -0.041 dB

Peak SAR (extrapolated) = 0.293 W/kg

SAR(1 g) = 0.170 mW/g; SAR(10 g) = 0.097 mW/g



0 dB = 0.184mW/g

DIGITAL EMC CO., LTD

DUT: VK4500; Type: Slide Type

Communication System: PCS1900; Frequency: 1880 MHz; Duty Cycle: 1:8.3

Medium parameters used: $f = 1880 \text{ MHz}$; $\sigma = 1.37 \text{ mho/m}$; $\epsilon_r = 39.8$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Right Section

DASY4 Configuration:

Probe: ET3DV6 - SN1703; ConvF(5.27, 5.27, 5.27); Calibrated: 2005-03-24; Electronics: DAE3 Sn520

Phantom: SAM 1800/1900 MHz; Type: SAM; Serial: TP-1224

Measurement SW: DASY4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 145

Date: 2006-01-23; Ambient Temp: 22.5; Tissue Temp: 22.0

Right Tilt Slide Up, PCS Ch.661, Ant Intenna, Standard Battery

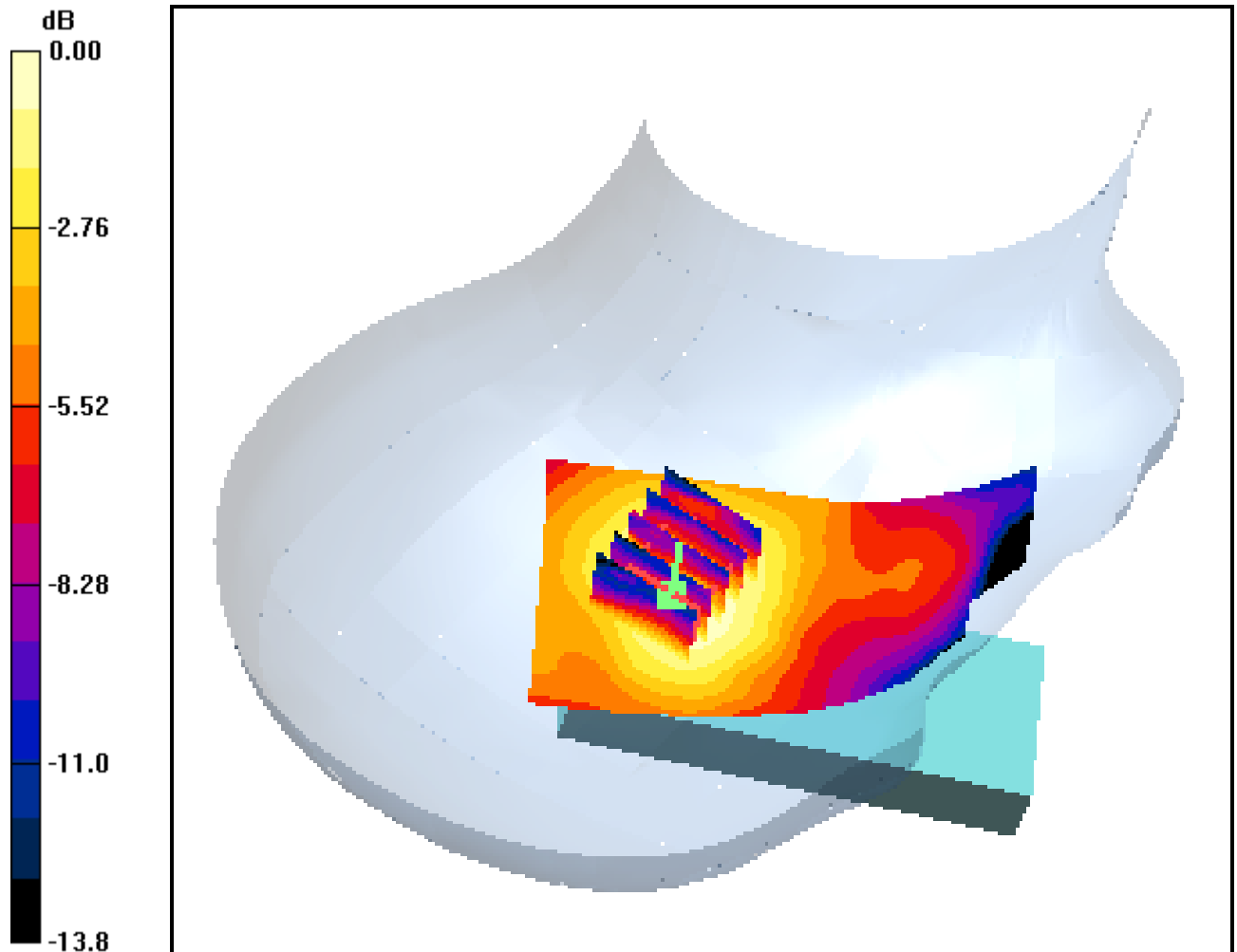
Area Scan (51x91x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

Power Drift = 0.090 dB

Peak SAR (extrapolated) = 0.085 W/kg

SAR(1 g) = 0.059 mW/g; SAR(10 g) = 0.040 mW/g



0 dB = 0.064mW/g

DIGITAL EMC CO., LTD

DUT: VK4500; Type: Slide Type

Communication System: PCS1900; Frequency: 1880 MHz; Duty Cycle: 1:8.3

Medium parameters used: $f = 1880 \text{ MHz}$; $\sigma = 1.37 \text{ mho/m}$; $\epsilon_r = 39.8$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Right Section

DASY4 Configuration:

Probe: ET3DV6 - SN1703; ConvF(5.27, 5.27, 5.27); Calibrated: 2005-03-24; Electronics: DAE3 Sn520

Phantom: SAM 1800/1900 MHz; Type: SAM; Serial: TP-1224

Measurement SW: DASY4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 145

Date: 2006-01-23; Ambient Temp: 22.5; Tissue Temp: 22.0

Right Touch Slide Up, PCS Ch.661, Ant Intenna, Extended Battery

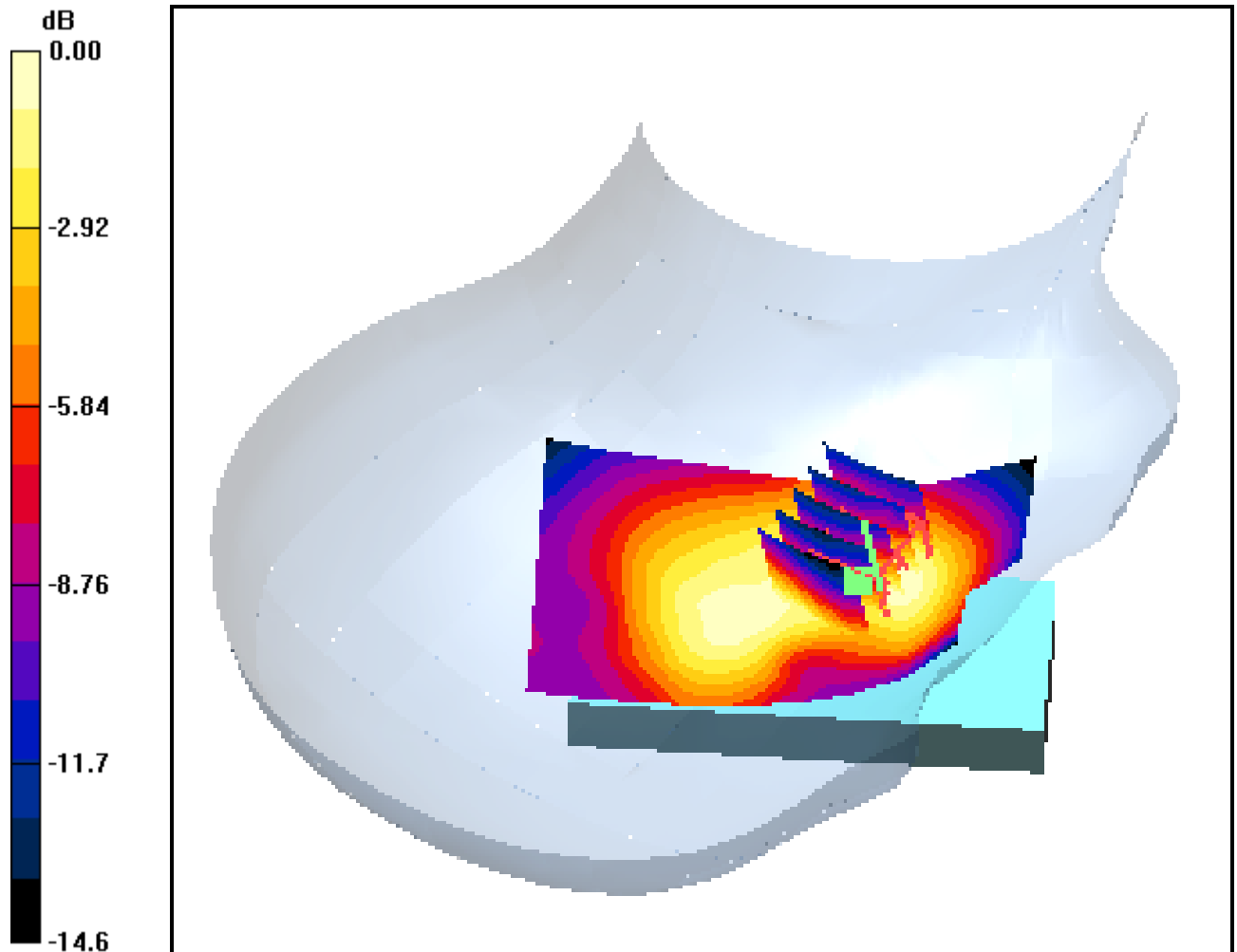
Area Scan (51x91x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

Power Drift = -0.016 dB

Peak SAR (extrapolated) = 0.313 W/kg

SAR(1 g) = 0.171 mW/g; SAR(10 g) = 0.099 mW/g



0 dB = 0.183mW/g

DIGITAL EMC CO., LTD

DUT: VK4500; Type: Slide Type

Communication System: PCS1900; Frequency: 1880 MHz; Duty Cycle: 1:8.3

Medium parameters used: $f = 1880 \text{ MHz}$; $\sigma = 1.37 \text{ mho/m}$; $\epsilon_r = 39.8$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Right Section

DASY4 Configuration:

Probe: ET3DV6 - SN1703; ConvF(5.27, 5.27, 5.27); Calibrated: 2005-03-24; Electronics: DAE3 Sn520

Phantom: SAM 1800/1900 MHz; Type: SAM; Serial: TP-1224

Measurement SW: DASY4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 145

Date: 2006-01-23; Ambient Temp: 22.5; Tissue Temp: 22.0

Right Touch Slide Up, PCS Ch.661, Ant Intenna, Standard Battery With B/T On

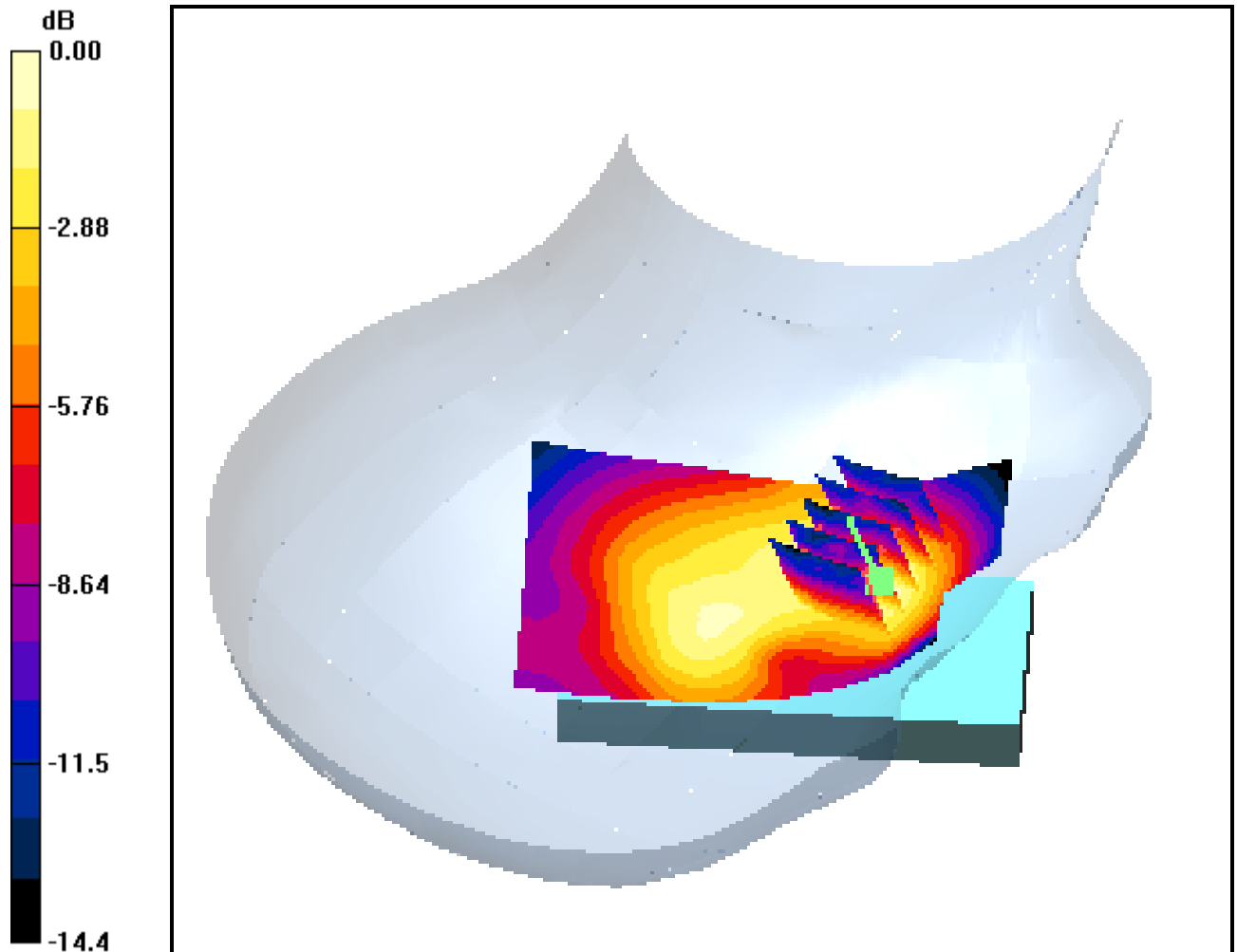
Area Scan (51x91x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

Power Drift = -0.021 dB

Peak SAR (extrapolated) = 0.229 W/kg

SAR(1 g) = 0.144 mW/g; SAR(10 g) = 0.084 mW/g



0 dB = 0.156mW/g

DIGITAL EMC CO., LTD

DUT: VK4500; Type: Slide Type

Communication System: PCS1900; Frequency: 1850.2 MHz; Duty Cycle: 1:8.3
Medium parameters used: $f = 1850.2 \text{ MHz}$; $\sigma = 1.35 \text{ mho/m}$; $\epsilon_r = 39.8$; $\rho = 1000 \text{ kg/m}^3$
Phantom section: Left Section

DASY4 Configuration:

Probe: ET3DV6 - SN1703; ConvF(5.27, 5.27, 5.27); Calibrated: 2005-03-24; Electronics: DAE3 Sn520
Phantom: SAM 1800/1900 MHz; Type: SAM; Serial: TP-1224
Measurement SW: DASY4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 145

Date: 2006-01-23; Ambient Temp: 22.5; Tissue Temp: 22.0

Left Touch Slide Up, PCS Ch.512, Ant Intenna, Standard Battery

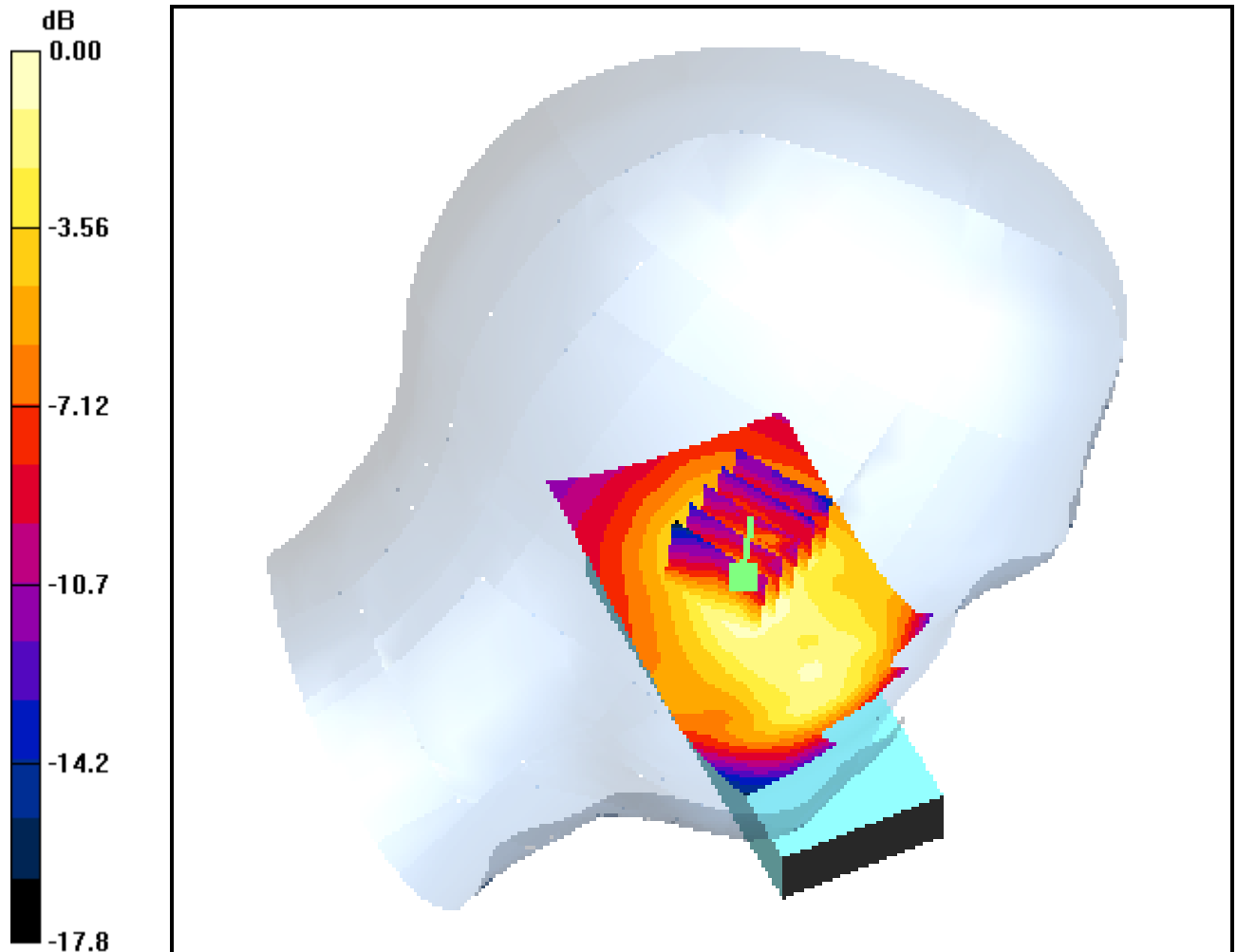
Area Scan (51x91x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

Power Drift = -0.144 dB

Peak SAR (extrapolated) = 0.260 W/kg

SAR(1 g) = 0.180 mW/g; SAR(10 g) = 0.115 mW/g



0 dB = 0.194mW/g

DIGITAL EMC CO., LTD

DUT: VK4500; Type: Slide Type

Communication System: PCS1900; Frequency: 1880 MHz; Duty Cycle: 1:8.3

Medium parameters used: $f = 1880 \text{ MHz}$; $\sigma = 1.37 \text{ mho/m}$; $\epsilon_r = 39.8$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Left Section

DASY4 Configuration:

Probe: ET3DV6 - SN1703; ConvF(5.27, 5.27, 5.27); Calibrated: 2005-03-24; Electronics: DAE3 Sn520

Phantom: SAM 1800/1900 MHz; Type: SAM; Serial: TP-1224

Measurement SW: DASY4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 145

Date: 2006-01-23; Ambient Temp: 22.5; Tissue Temp: 22.0

Left Touch Slide Up, PCS Ch.661, Ant Intenna, Standard Battery

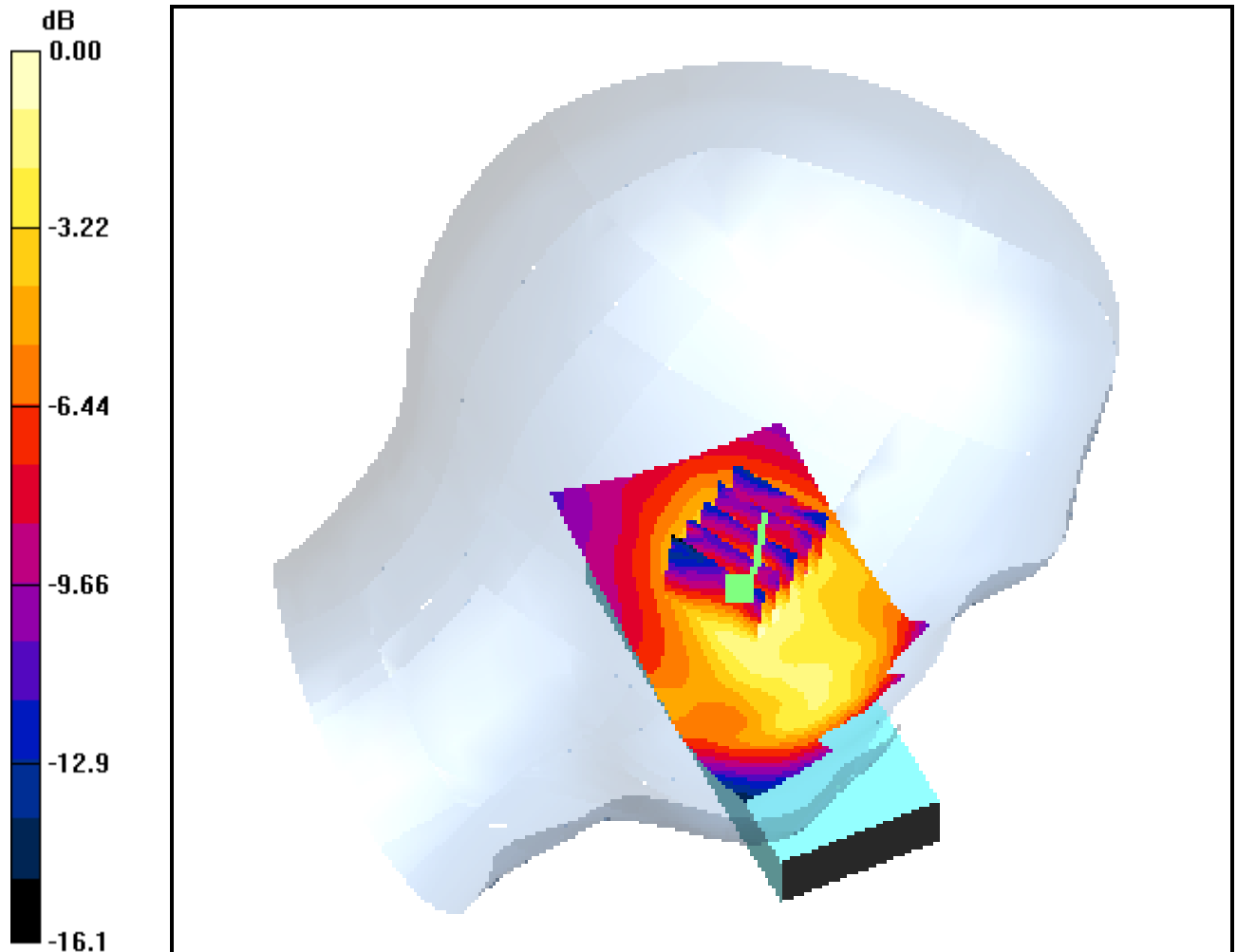
Area Scan (51x91x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

Power Drift = -0.115 dB

Peak SAR (extrapolated) = 0.198 W/kg

SAR(1 g) = 0.136 mW/g; SAR(10 g) = 0.085 mW/g



0 dB = 0.148mW/g

DIGITAL EMC CO., LTD

DUT: VK4500; Type: Slide Type

Communication System: PCS1900; Frequency: 1909.8 MHz; Duty Cycle: 1:8.3
Medium parameters used: $f = 1909.8 \text{ MHz}$; $\sigma = 1.4 \text{ mho/m}$; $\epsilon_r = 39.6$; $\rho = 1000 \text{ kg/m}^3$
Phantom section: Left Section

DASY4 Configuration:

Probe: ET3DV6 - SN1703; ConvF(5.27, 5.27, 5.27); Calibrated: 2005-03-24; Electronics: DAE3 Sn520
Phantom: SAM 1800/1900 MHz; Type: SAM; Serial: TP-1224
Measurement SW: DASY4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 145

Date: 2006-01-23; Ambient Temp: 22.5; Tissue Temp: 22.0

Left Touch Slide Up, PCS Ch.810, Ant Intenna, Standard Battery

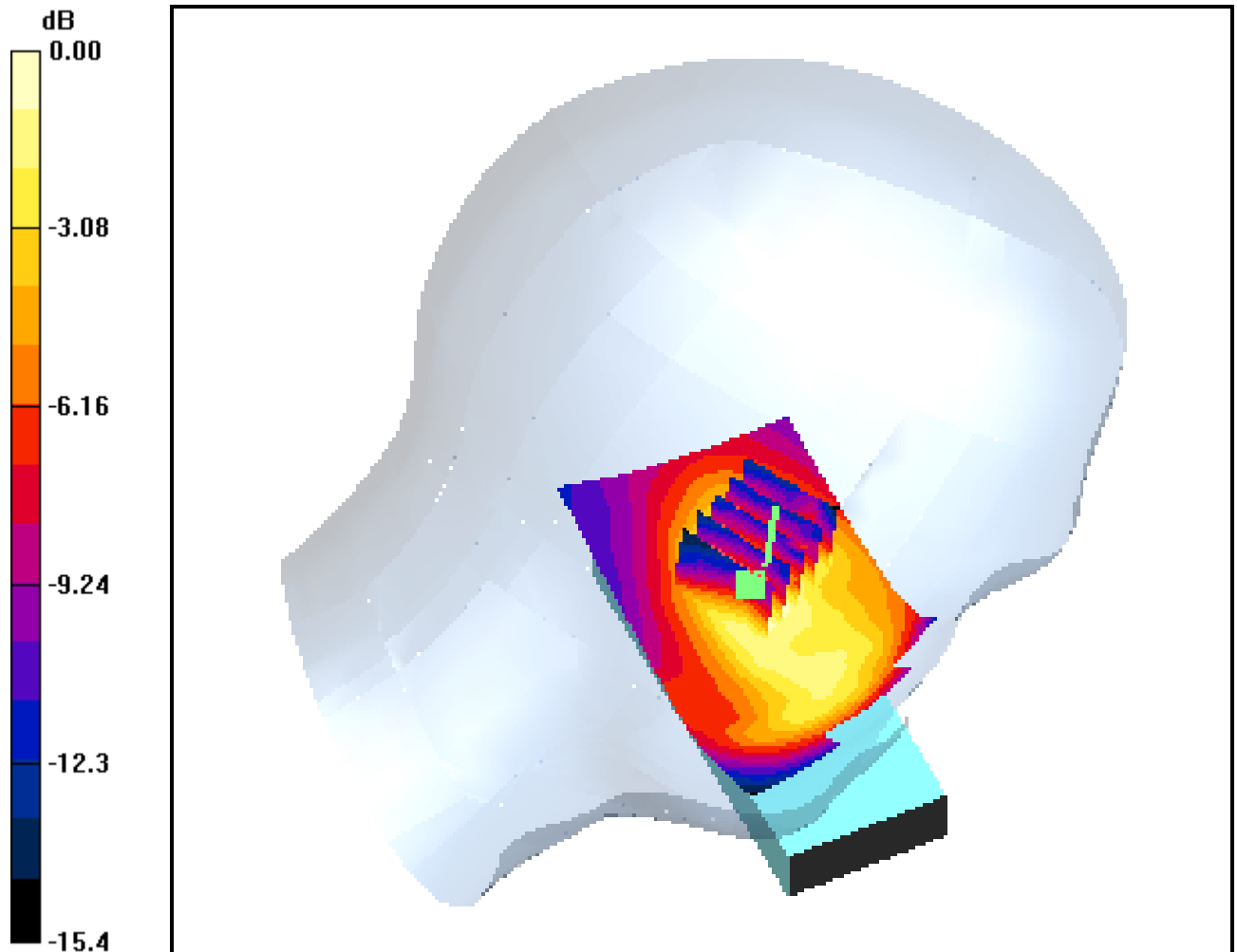
Area Scan (51x91x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

Power Drift = -0.094 dB

Peak SAR (extrapolated) = 0.208 W/kg

SAR(1 g) = 0.144 mW/g; SAR(10 g) = 0.089 mW/g



0 dB = 0.156mW/g

DIGITAL EMC CO., LTD

DUT: VK4500; Type: Slide Type

Communication System: PCS1900; Frequency: 1880 MHz; Duty Cycle: 1:8.3

Medium parameters used: $f = 1880 \text{ MHz}$; $\sigma = 1.37 \text{ mho/m}$; $\epsilon_r = 39.8$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Left Section

DASY4 Configuration:

Probe: ET3DV6 - SN1703; ConvF(5.27, 5.27, 5.27); Calibrated: 2005-03-24; Electronics: DAE3 Sn520

Phantom: SAM 1800/1900 MHz; Type: SAM; Serial: TP-1224

Measurement SW: DASY4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 145

Date: 2006-01-23; Ambient Temp: 22.5; Tissue Temp: 22.0

Left Tilt Slide Up, PCS Ch.661, Ant Intenna, Standard Battery

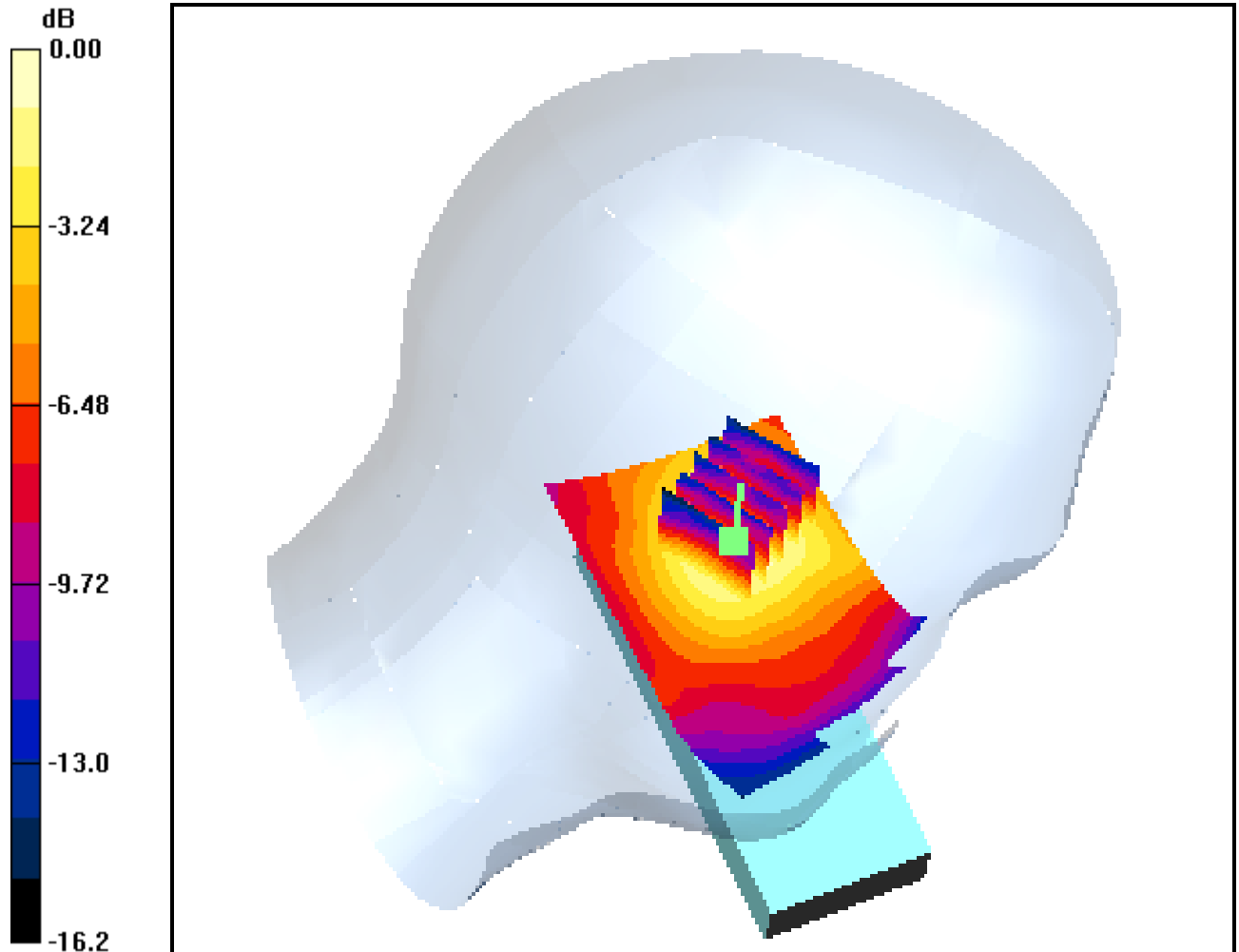
Area Scan (51x91x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

Power Drift = 0.089 dB

Peak SAR (extrapolated) = 0.156 W/kg

SAR(1 g) = 0.099 mW/g; SAR(10 g) = 0.060 mW/g



0 dB = 0.107mW/g

DIGITAL EMC CO., LTD

DUT: VK4500; Type: Slide Type

Communication System: PCS1900; Frequency: 1850.2 MHz; Duty Cycle: 1:8.3
Medium parameters used: $f = 1850.2 \text{ MHz}$; $\sigma = 1.35 \text{ mho/m}$; $\epsilon_r = 39.8$; $\rho = 1000 \text{ kg/m}^3$
Phantom section: Left Section

DASY4 Configuration:

Probe: ET3DV6 - SN1703; ConvF(5.27, 5.27, 5.27); Calibrated: 2005-03-24; Electronics: DAE3 Sn520
Phantom: SAM 1800/1900 MHz; Type: SAM; Serial: TP-1224
Measurement SW: DASY4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 145

Date: 2006-01-23; Ambient Temp: 22.5; Tissue Temp: 22.0

Left Touch Slide Up, PCS Ch.512, Ant Intenna, Extended Battery

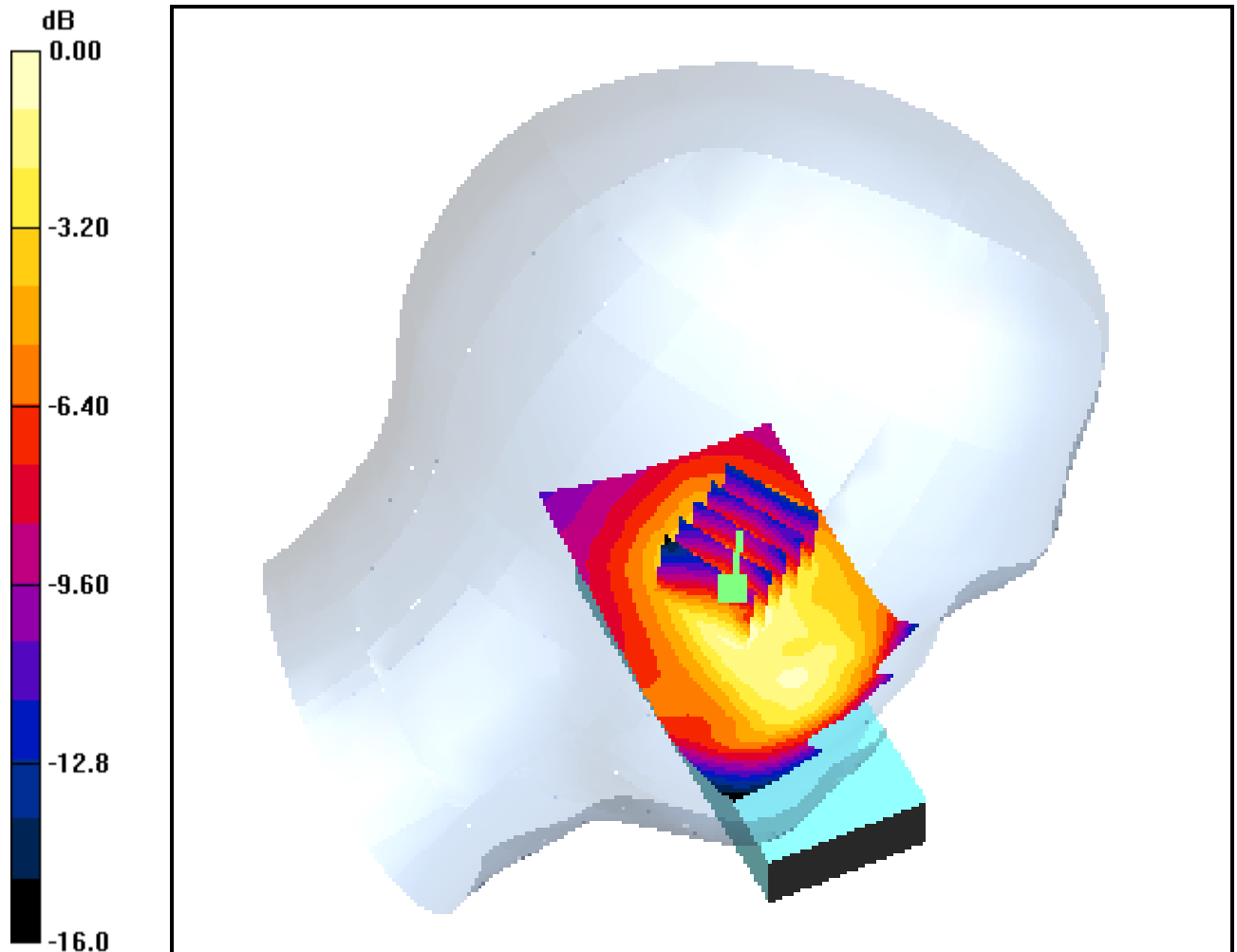
Area Scan (51x91x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

Power Drift = -0.100 dB

Peak SAR (extrapolated) = 0.294 W/kg

SAR(1 g) = 0.209 mW/g; SAR(10 g) = 0.133 mW/g



0 dB = 0.220mW/g

DIGITAL EMC CO., LTD

DUT: VK4500; Type: Slide Type

Communication System: PCS1900; Frequency: 1850.2 MHz; Duty Cycle: 1:8.3
Medium parameters used: $f = 1850.2 \text{ MHz}$; $\sigma = 1.35 \text{ mho/m}$; $\epsilon_r = 39.8$; $\rho = 1000 \text{ kg/m}^3$
Phantom section: Left Section

DASY4 Configuration:

Probe: ET3DV6 - SN1703; ConvF(5.27, 5.27, 5.27); Calibrated: 2005-03-24; Electronics: DAE3 Sn520
Phantom: SAM 1800/1900 MHz; Type: SAM; Serial: TP-1224
Measurement SW: DASY4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 145

Date: 2006-01-23; Ambient Temp: 22.5; Tissue Temp: 22.0

Left Touch Slide Up, PCS Ch.512, Ant Intenna, Extended Battery With B/T On

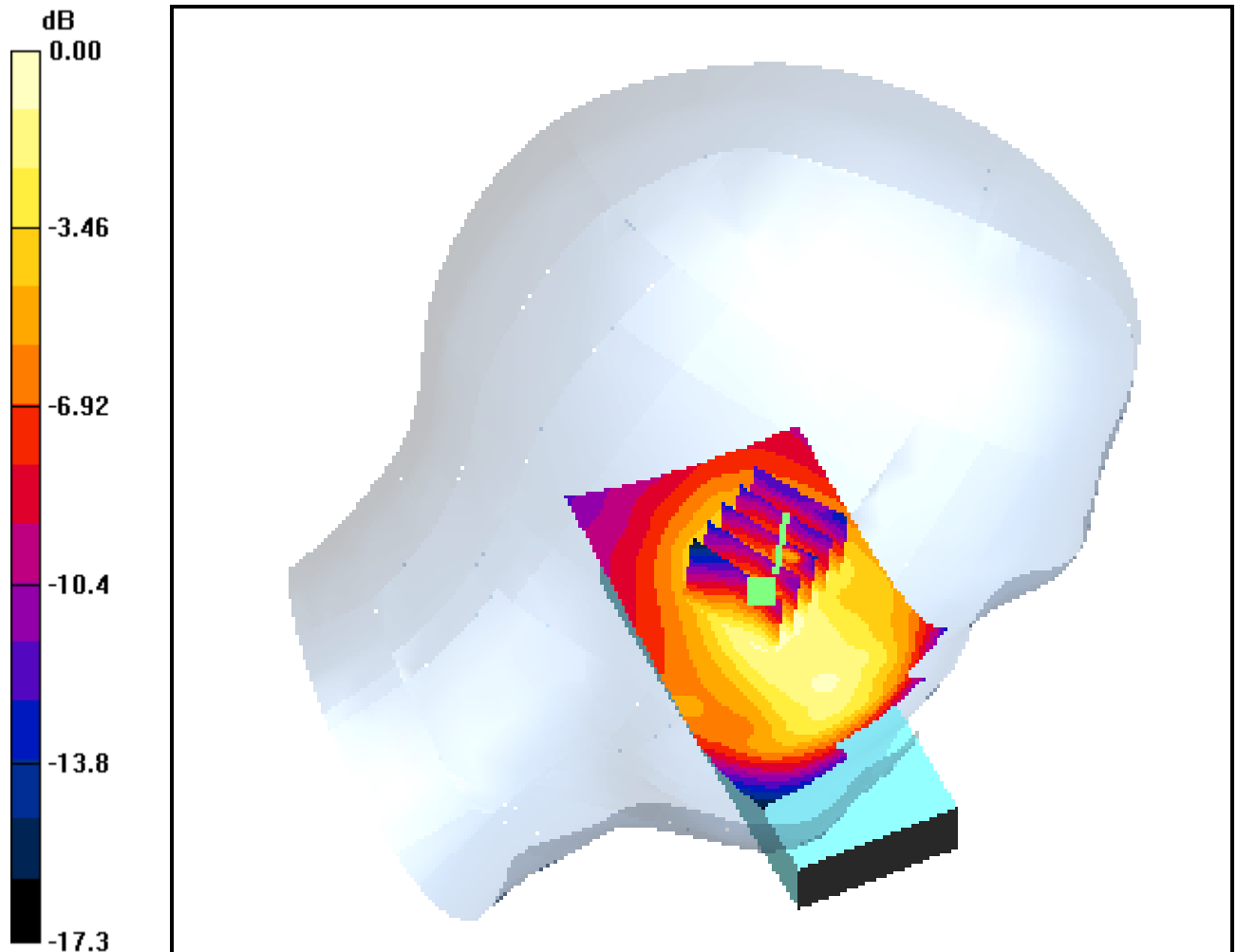
Area Scan (51x91x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

Power Drift = -0.123 dB

Peak SAR (extrapolated) = 0.268 W/kg

SAR(1 g) = 0.194 mW/g; SAR(10 g) = 0.124 mW/g



0 dB = 0.207mW/g

DIGITAL EMC CO., LTD

DUT: VK4500; Type: Slide Type

Communication System: PCS1900; Frequency: 1850.2 MHz; Duty Cycle: 1:8.3
Medium parameters used: $f = 1850.2 \text{ MHz}$; $\sigma = 1.35 \text{ mho/m}$; $\epsilon_r = 39.8$; $\rho = 1000 \text{ kg/m}^3$
Phantom section: Right Section

DASY4 Configuration:

Probe: ET3DV6 - SN1703; ConvF(5.27, 5.27, 5.27); Calibrated: 2005-03-24; Electronics: DAE3 Sn520
Phantom: SAM 1800/1900 MHz; Type: SAM; Serial: TP-1224
Measurement SW: DASY4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 145

Date: 2006-01-23; Ambient Temp: 22.5; Tissue Temp: 22.0

Right Touch Slide Down, PCS Ch.512, Ant Intenna, Standard Battery

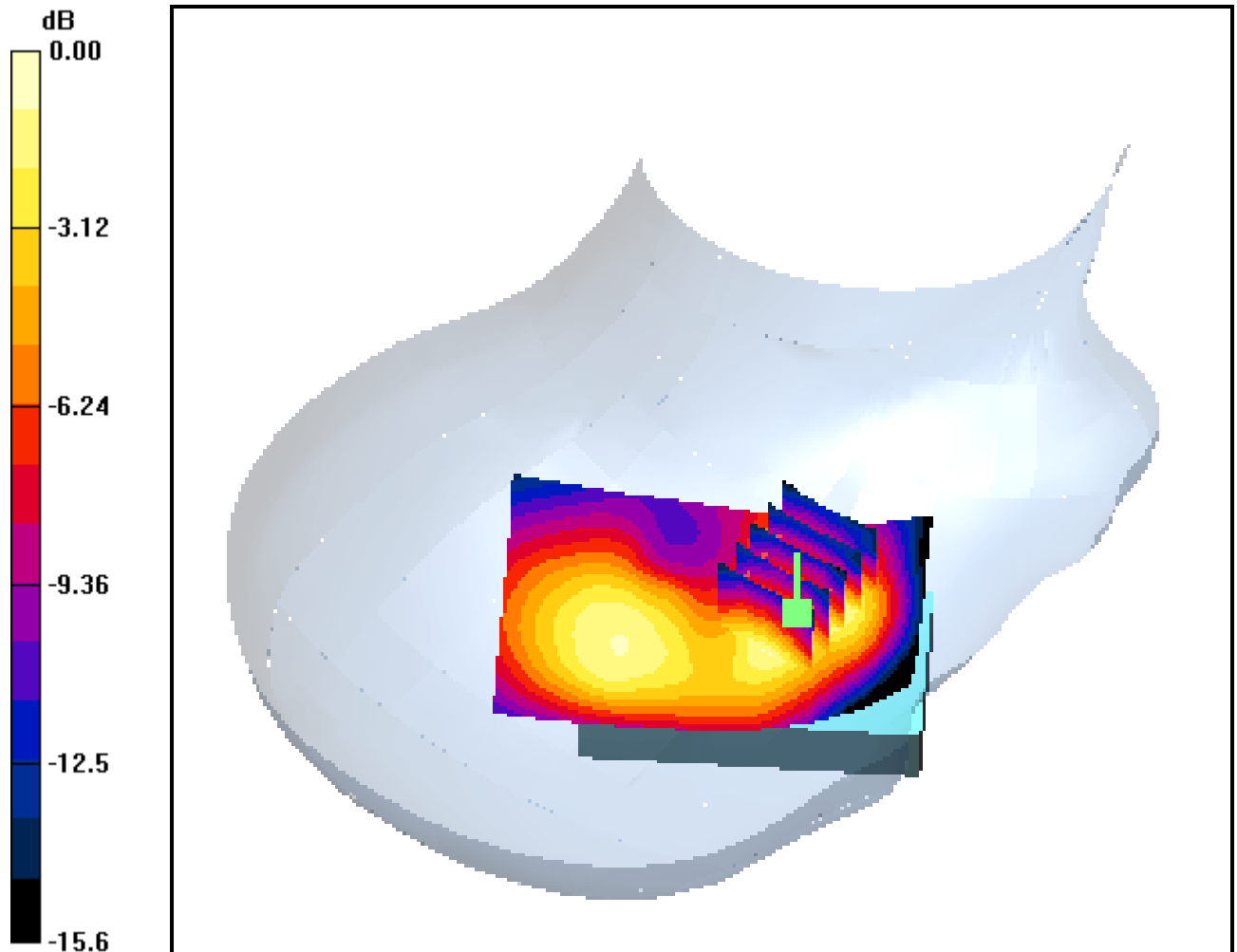
Area Scan (51x81x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

Power Drift = -0.062 dB

Peak SAR (extrapolated) = 0.520 W/kg

SAR(1 g) = 0.324 mW/g; SAR(10 g) = 0.189 mW/g



0 dB = 0.353mW/g

DIGITAL EMC CO., LTD

DUT: VK4500; Type: Slide Type

Communication System: PCS1900; Frequency: 1880 MHz; Duty Cycle: 1:8.3

Medium parameters used: $f = 1880 \text{ MHz}$; $\sigma = 1.37 \text{ mho/m}$; $\epsilon_r = 39.8$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Right Section

DASY4 Configuration:

Probe: ET3DV6 - SN1703; ConvF(5.27, 5.27, 5.27); Calibrated: 2005-03-24; Electronics: DAE3 Sn520

Phantom: SAM 1800/1900 MHz; Type: SAM; Serial: TP-1224

Measurement SW: DASY4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 145

Date: 2006-01-23; Ambient Temp: 22.5; Tissue Temp: 22.0

Right Touch Slide Down, PCS Ch.661, Ant Intenna, Standard Battery

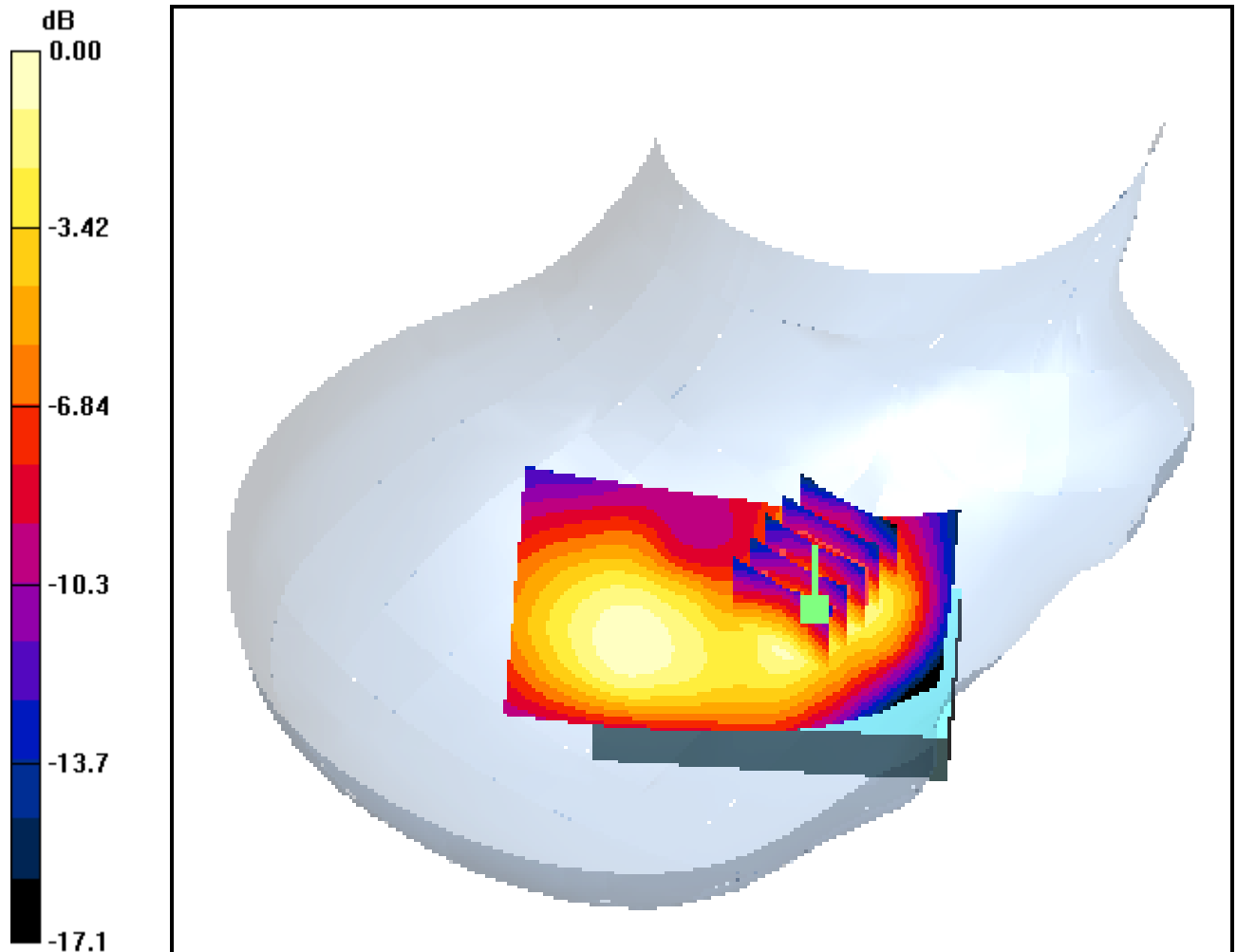
Area Scan (51x81x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

Power Drift = -0.012 dB

Peak SAR (extrapolated) = 0.377 W/kg

SAR(1 g) = 0.241 mW/g; SAR(10 g) = 0.143 mW/g



0 dB = 0.265mW/g

DIGITAL EMC CO., LTD

DUT: VK4500; Type: Slide Type

Communication System: PCS1900; Frequency: 1909.8 MHz; Duty Cycle: 1:8.3
Medium parameters used: $f = 1909.8 \text{ MHz}$; $\sigma = 1.4 \text{ mho/m}$; $\epsilon_r = 39.6$; $\rho = 1000 \text{ kg/m}^3$
Phantom section: Right Section

DASY4 Configuration:

Probe: ET3DV6 - SN1703; ConvF(5.27, 5.27, 5.27); Calibrated: 2005-03-24; Electronics: DAE3 Sn520
Phantom: SAM 1800/1900 MHz; Type: SAM; Serial: TP-1224
Measurement SW: DASY4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 145

Date: 2006-01-23; Ambient Temp: 22.5; Tissue Temp: 22.0

Right Touch Slide Down, PCS Ch.810, Ant Intenna, Standard Battery

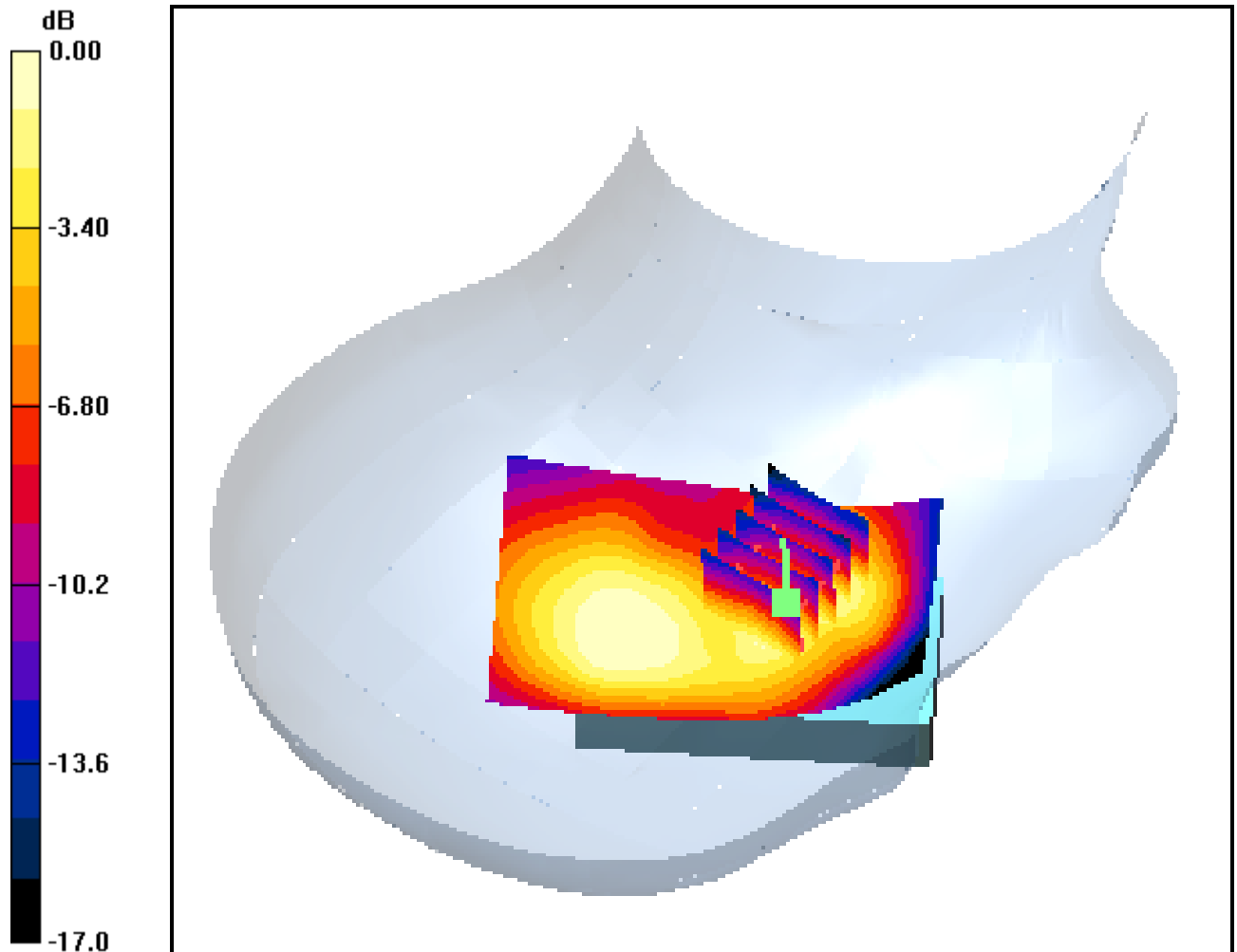
Area Scan (51x81x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

Power Drift = -0.033 dB

Peak SAR (extrapolated) = 0.311 W/kg

SAR(1 g) = 0.207 mW/g; SAR(10 g) = 0.122 mW/g



0 dB = 0.231mW/g

DIGITAL EMC CO., LTD

DUT: VK4500; Type: Slide Type

Communication System: PCS1900; Frequency: 1880 MHz; Duty Cycle: 1:8.3

Medium parameters used: $f = 1880 \text{ MHz}$; $\sigma = 1.37 \text{ mho/m}$; $\epsilon_r = 39.8$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Right Section

DASY4 Configuration:

Probe: ET3DV6 - SN1703; ConvF(5.27, 5.27, 5.27); Calibrated: 2005-03-24; Electronics: DAE3 Sn520

Phantom: SAM 1800/1900 MHz; Type: SAM; Serial: TP-1224

Measurement SW: DASY4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 145

Date: 2006-01-23; Ambient Temp: 22.5; Tissue Temp: 22.0

Right Tilt Slide Down, PCS Ch.661, Ant Intenna, Standard Battery

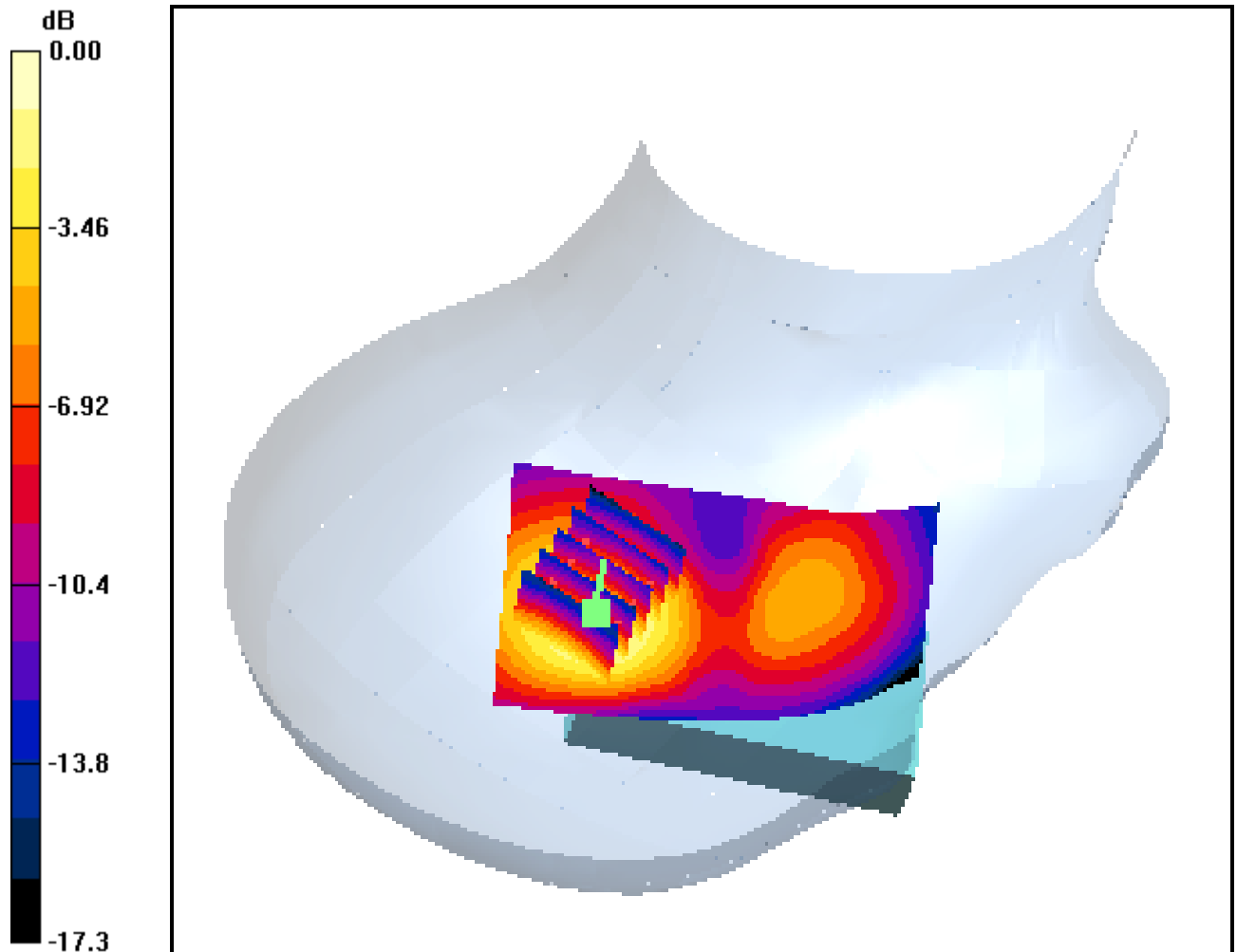
Area Scan (51x81x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

Power Drift = -0.090 dB

Peak SAR (extrapolated) = 0.381 W/kg

SAR(1 g) = 0.239 mW/g; SAR(10 g) = 0.141 mW/g



0 dB = 0.259mW/g

DIGITAL EMC CO., LTD

DUT: VK4500; Type: Slide Type

Communication System: PCS1900; Frequency: 1850.2 MHz; Duty Cycle: 1:8.3
Medium parameters used: $f = 1850.2 \text{ MHz}$; $\sigma = 1.35 \text{ mho/m}$; $\epsilon_r = 39.8$; $\rho = 1000 \text{ kg/m}^3$
Phantom section: Right Section

DASY4 Configuration:

Probe: ET3DV6 - SN1703; ConvF(5.27, 5.27, 5.27); Calibrated: 2005-03-24; Electronics: DAE3 Sn520
Phantom: SAM 1800/1900 MHz; Type: SAM; Serial: TP-1224
Measurement SW: DASY4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 145

Date: 2006-01-23; Ambient Temp: 22.5; Tissue Temp: 22.0

Right Touch Slide Down, PCS Ch.512, Ant Intenna, Extended Battery

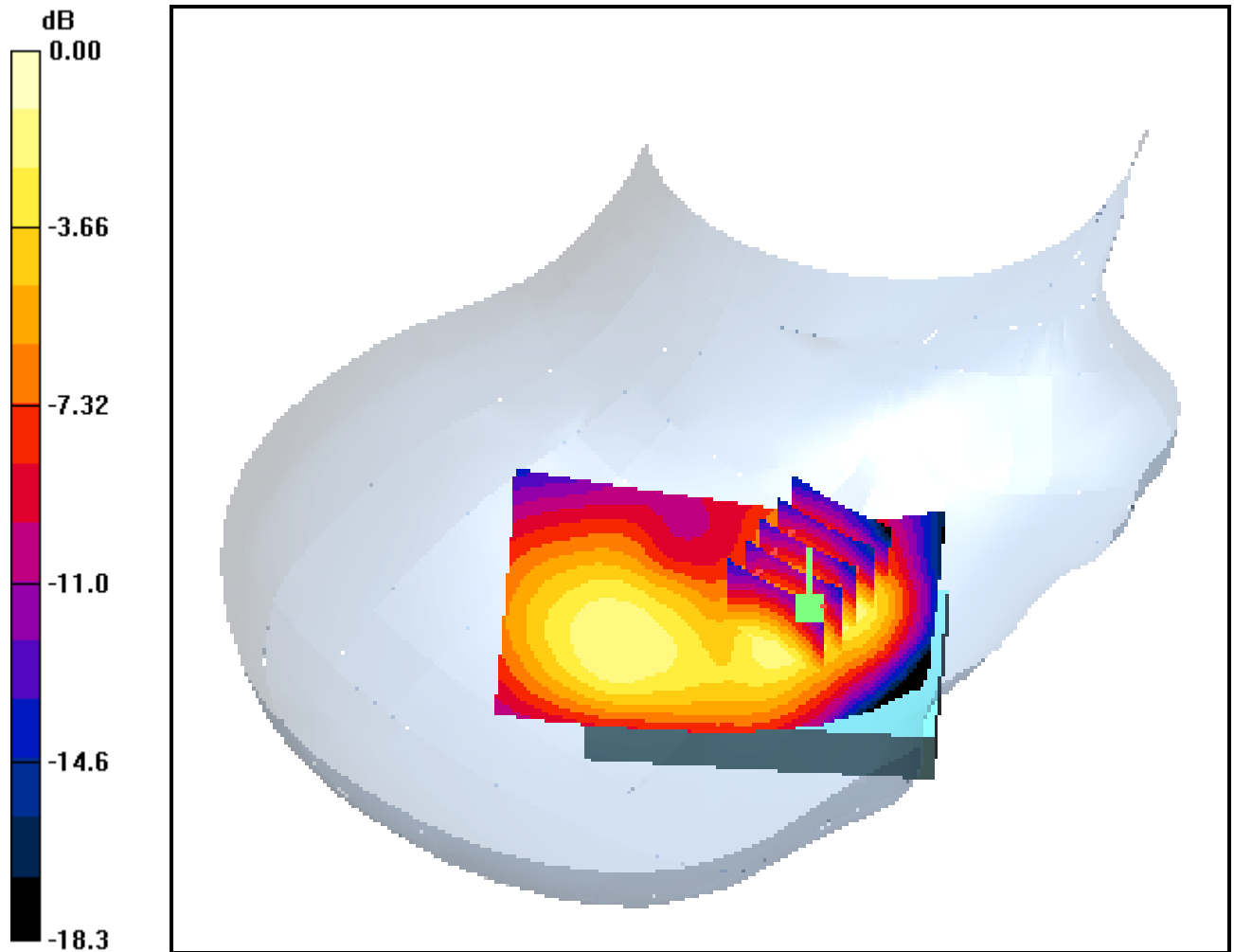
Area Scan (51x81x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

Power Drift = -0.020 dB

Peak SAR (extrapolated) = 0.503 W/kg

SAR(1 g) = 0.332 mW/g; SAR(10 g) = 0.194 mW/g



0 dB = 0.363mW/g

DIGITAL EMC CO., LTD

DUT: VK4500; Type: Slide Type

Communication System: PCS1900; Frequency: 1850.2 MHz; Duty Cycle: 1:8.3
Medium parameters used: $f = 1850.2 \text{ MHz}$; $\sigma = 1.35 \text{ mho/m}$; $\epsilon_r = 39.8$; $\rho = 1000 \text{ kg/m}^3$
Phantom section: Right Section

DASY4 Configuration:

Probe: ET3DV6 - SN1703; ConvF(5.27, 5.27, 5.27); Calibrated: 2005-03-24; Electronics: DAE3 Sn520
Phantom: SAM 1800/1900 MHz; Type: SAM; Serial: TP-1224
Measurement SW: DASY4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 145

Date: 2006-01-23; Ambient Temp: 22.5; Tissue Temp: 22.0

Right Touch Slide Down, PCS Ch.512, Ant Intenna, Extended Battery With B/T On

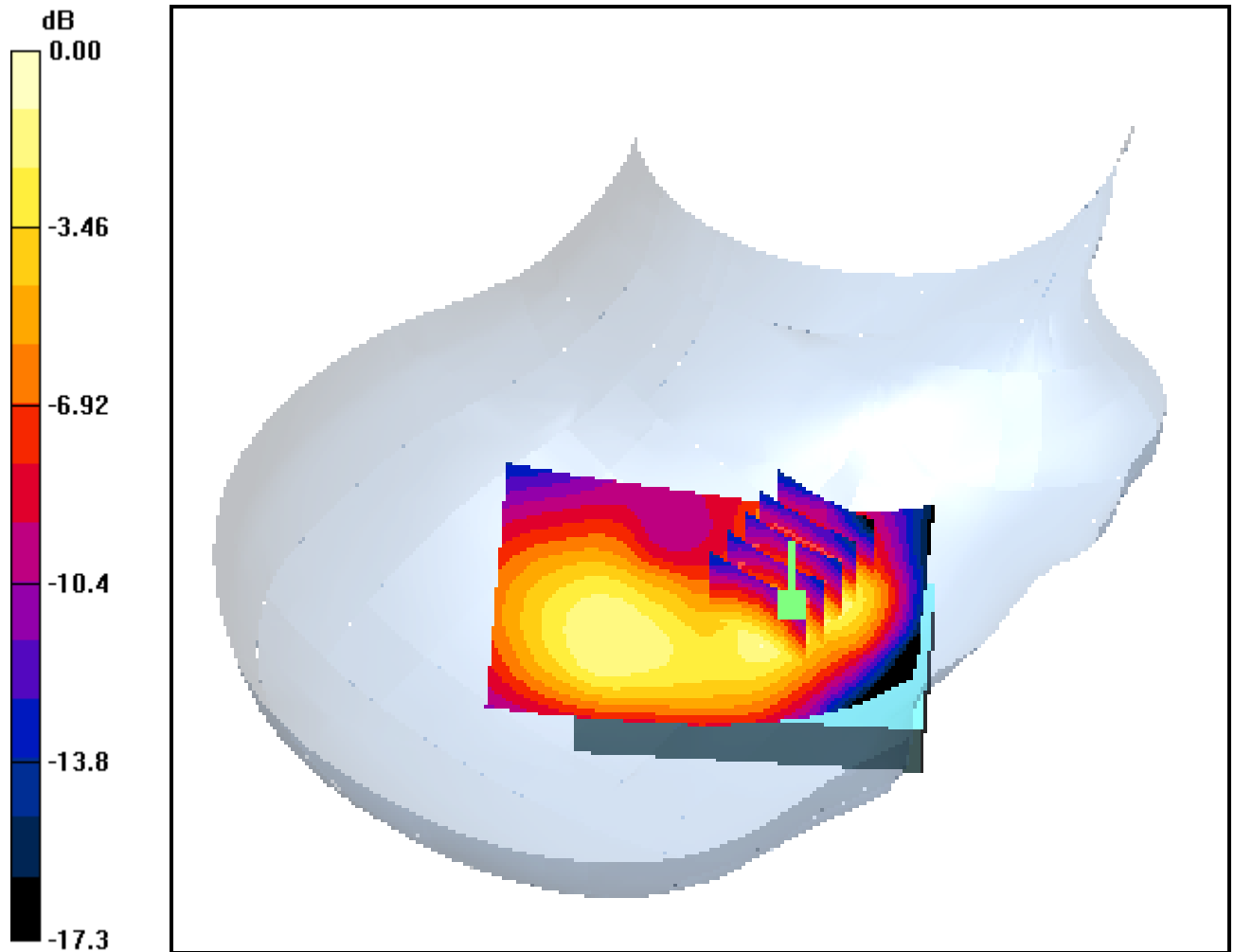
Area Scan (51x81x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

Power Drift = -0.054 dB

Peak SAR (extrapolated) = 0.437 W/kg

SAR(1 g) = 0.287 mW/g; SAR(10 g) = 0.169 mW/g



0 dB = 0.321mW/g

DIGITAL EMC CO., LTD

DUT: VK4500; Type: Slide Type

Communication System: PCS1900; Frequency: 1850.2 MHz; Duty Cycle: 1:8.3
Medium parameters used: $f = 1850.2 \text{ MHz}$; $\sigma = 1.35 \text{ mho/m}$; $\epsilon_r = 39.8$; $\rho = 1000 \text{ kg/m}^3$
Phantom section: Left Section

DASY4 Configuration:

Probe: ET3DV6 - SN1703; ConvF(5.27, 5.27, 5.27); Calibrated: 2005-03-24; Electronics: DAE3 Sn520
Phantom: SAM 1800/1900 MHz; Type: SAM; Serial: TP-1224
Measurement SW: DASY4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 145

Date: 2006-01-23; Ambient Temp: 22.5; Tissue Temp: 22.0

Left Touch Slide Down, PCS Ch.512, Ant Intenna, Standard Battery

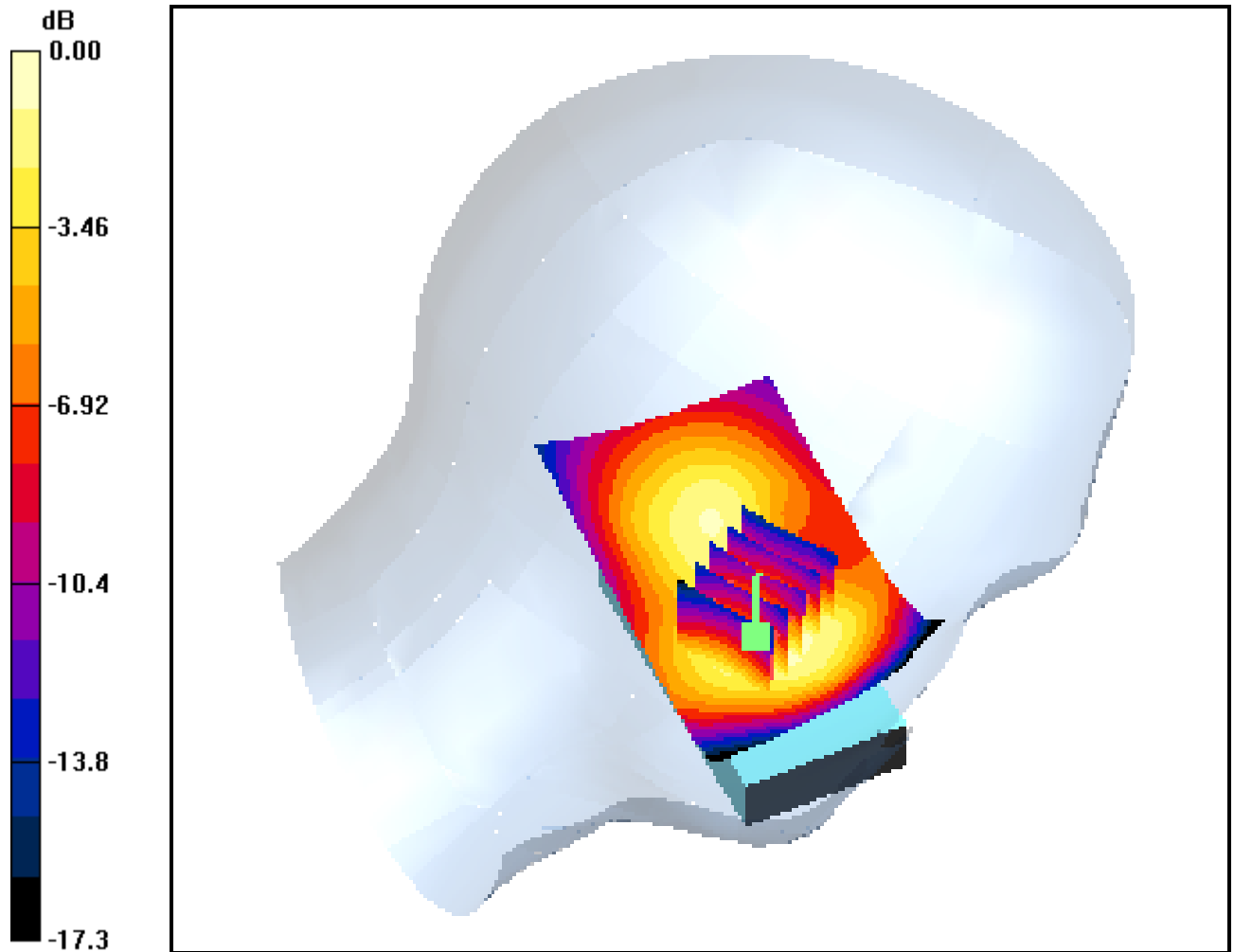
Area Scan (51x81x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

Power Drift = -0.096 dB

Peak SAR (extrapolated) = 0.418 W/kg

SAR(1 g) = 0.310 mW/g; SAR(10 g) = 0.192 mW/g



0 dB = 0.345mW/g

DIGITAL EMC CO., LTD

DUT: VK4500; Type: Slide Type

Communication System: PCS1900; Frequency: 1880 MHz; Duty Cycle: 1:8.3

Medium parameters used: $f = 1880 \text{ MHz}$; $\sigma = 1.37 \text{ mho/m}$; $\epsilon_r = 39.8$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Left Section

DASY4 Configuration:

Probe: ET3DV6 - SN1703; ConvF(5.27, 5.27, 5.27); Calibrated: 2005-03-24; Electronics: DAE3 Sn520

Phantom: SAM 1800/1900 MHz; Type: SAM; Serial: TP-1224

Measurement SW: DASY4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 145

Date: 2006-01-23; Ambient Temp: 22.5; Tissue Temp: 22.0

Left Touch Slide Down, PCS Ch.661, Ant Intenna, Standard Battery

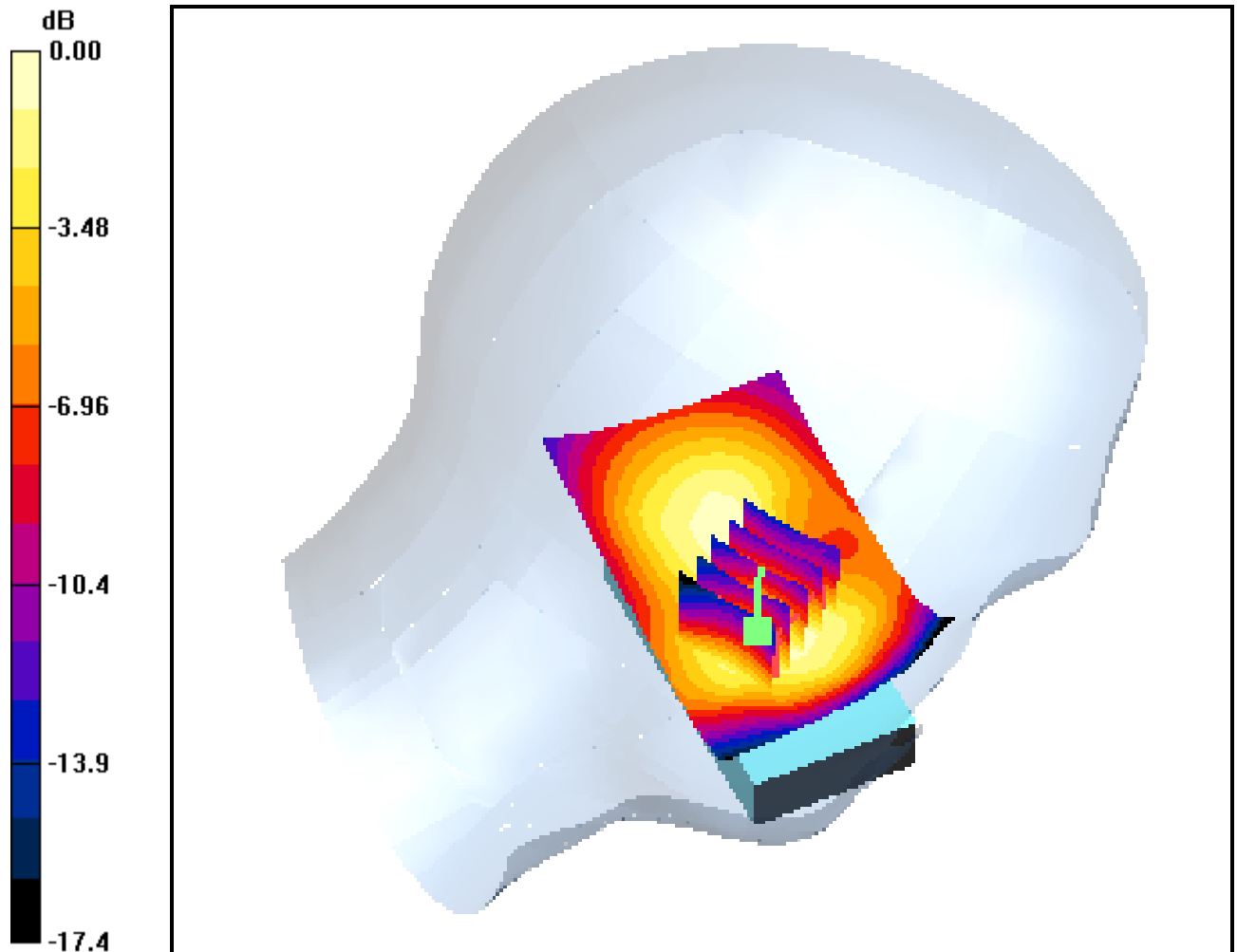
Area Scan (51x81x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

Power Drift = -0.065 dB

Peak SAR (extrapolated) = 0.330 W/kg

SAR(1 g) = 0.240 mW/g; SAR(10 g) = 0.148 mW/g



0 dB = 0.263mW/g

DIGITAL EMC CO., LTD

DUT: VK4500; Type: Slide Type

Communication System: PCS1900; Frequency: 1909.8 MHz; Duty Cycle: 1:8.3
Medium parameters used: $f = 1909.8 \text{ MHz}$; $\sigma = 1.4 \text{ mho/m}$; $\epsilon_r = 39.6$; $\rho = 1000 \text{ kg/m}^3$
Phantom section: Left Section

DASY4 Configuration:

Probe: ET3DV6 - SN1703; ConvF(5.27, 5.27, 5.27); Calibrated: 2005-03-24; Electronics: DAE3 Sn520
Phantom: SAM 1800/1900 MHz; Type: SAM; Serial: TP-1224
Measurement SW: DASY4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 145

Date: 2006-01-23; Ambient Temp: 22.5; Tissue Temp: 22.0

Left Touch Slide Down, PCS Ch.810, Ant Intenna, Standard Battery

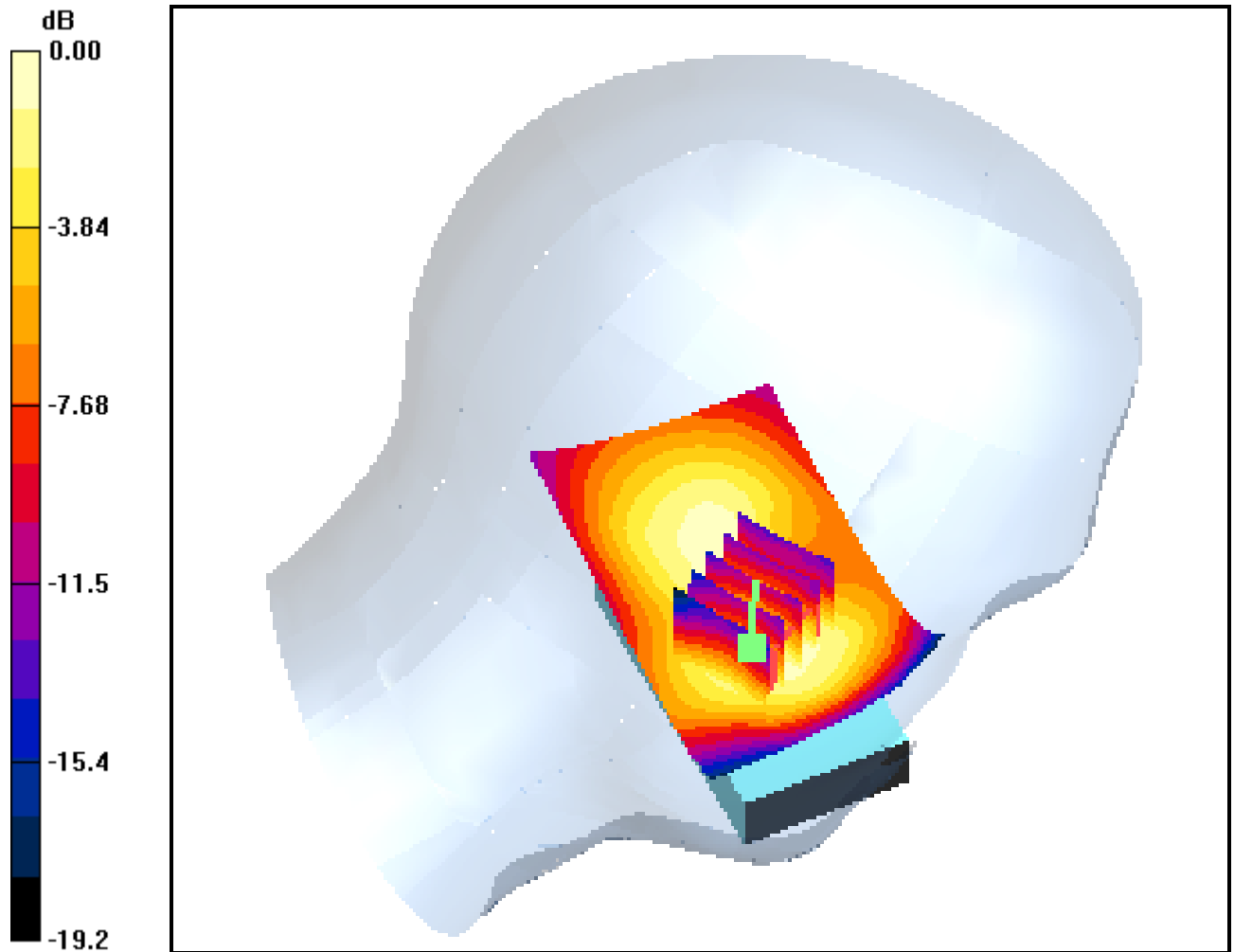
Area Scan (51x81x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

Power Drift = -0.087 dB

Peak SAR (extrapolated) = 0.304 W/kg

SAR(1 g) = 0.219 mW/g; SAR(10 g) = 0.135 mW/g



0 dB = 0.241mW/g

DIGITAL EMC CO., LTD

DUT: VK4500; Type: Slide Type

Communication System: PCS1900; Frequency: 1880 MHz; Duty Cycle: 1:8.3

Medium parameters used: $f = 1880 \text{ MHz}$; $\sigma = 1.37 \text{ mho/m}$; $\epsilon_r = 39.8$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Left Section

DASY4 Configuration:

Probe: ET3DV6 - SN1703; ConvF(5.27, 5.27, 5.27); Calibrated: 2005-03-24; Electronics: DAE3 Sn520

Phantom: SAM 1800/1900 MHz; Type: SAM; Serial: TP-1224

Measurement SW: DASY4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 145

Date: 2006-01-23; Ambient Temp: 22.5; Tissue Temp: 22.0

Left Tilt Slide Down, PCS Ch.661, Ant Intenna, Standard Battery

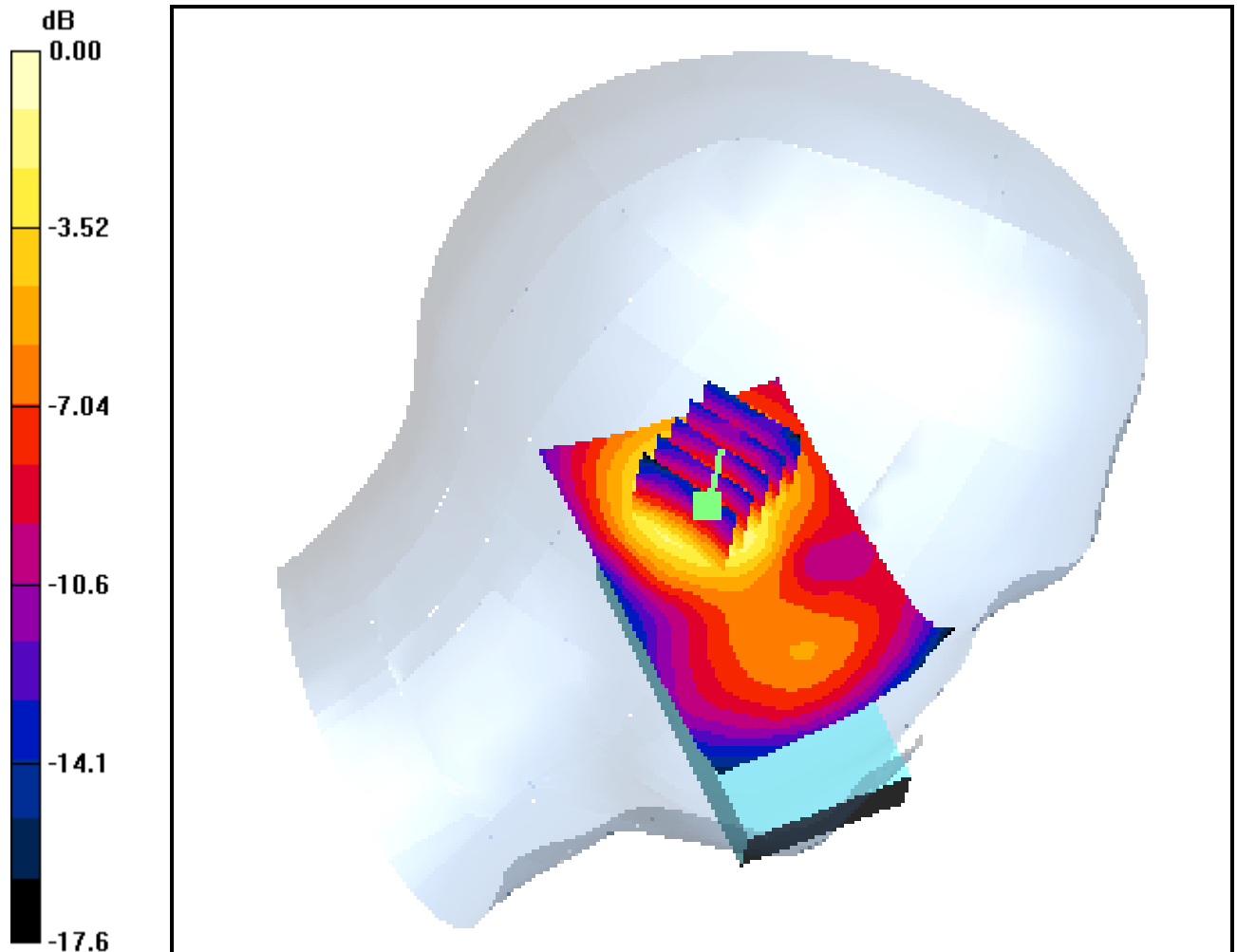
Area Scan (51x81x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

Power Drift = -0.025 dB

Peak SAR (extrapolated) = 0.349 W/kg

SAR(1 g) = 0.226 mW/g; SAR(10 g) = 0.133 mW/g



0 dB = 0.244mW/g

DIGITAL EMC CO., LTD

DUT: VK4500; Type: Slide Type

Communication System: PCS1900; Frequency: 1850.2 MHz; Duty Cycle: 1:8.3
Medium parameters used: $f = 1850.2 \text{ MHz}$; $\sigma = 1.35 \text{ mho/m}$; $\epsilon_r = 39.8$; $\rho = 1000 \text{ kg/m}^3$
Phantom section: Left Section

DASY4 Configuration:

Probe: ET3DV6 - SN1703; ConvF(5.27, 5.27, 5.27); Calibrated: 2005-03-24; Electronics: DAE3 Sn520
Phantom: SAM 1800/1900 MHz; Type: SAM; Serial: TP-1224
Measurement SW: DASY4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 145

Date: 2006-01-23; Ambient Temp: 22.5; Tissue Temp: 22.0

Left Touch Slide Down, PCS Ch.512, Ant Intenna, Extended Battery

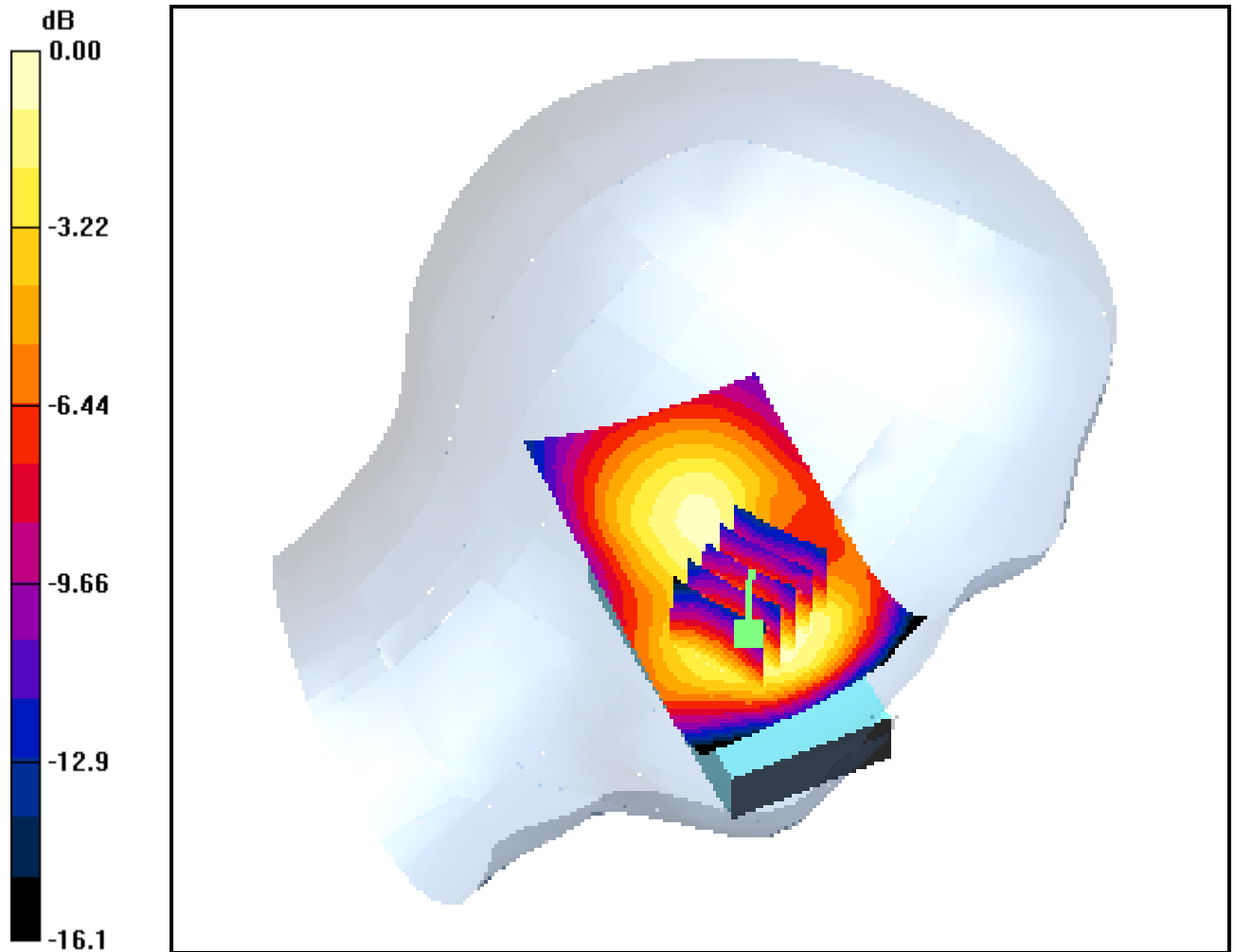
Area Scan (51x81x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

Power Drift = -0.150 dB

Peak SAR (extrapolated) = 0.324 W/kg

SAR(1 g) = 0.243 mW/g; SAR(10 g) = 0.155 mW/g



0 dB = 0.263mW/g

DIGITAL EMC CO., LTD

DUT: VK4500; Type: Slide Type

Communication System: PCS1900; Frequency: 1850.2 MHz; Duty Cycle: 1:8.3
Medium parameters used: $f = 1850.2 \text{ MHz}$; $\sigma = 1.35 \text{ mho/m}$; $\epsilon_r = 39.8$; $\rho = 1000 \text{ kg/m}^3$
Phantom section: Left Section

DASY4 Configuration:

Probe: ET3DV6 - SN1703; ConvF(5.27, 5.27, 5.27); Calibrated: 2005-03-24; Electronics: DAE3 Sn520
Phantom: SAM 1800/1900 MHz; Type: SAM; Serial: TP-1224
Measurement SW: DASY4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 145

Date: 2006-01-23; Ambient Temp: 22.5; Tissue Temp: 22.0

Left Touch Slide Down, PCS Ch.512, Ant Intenna, Standard Battery With B/T On

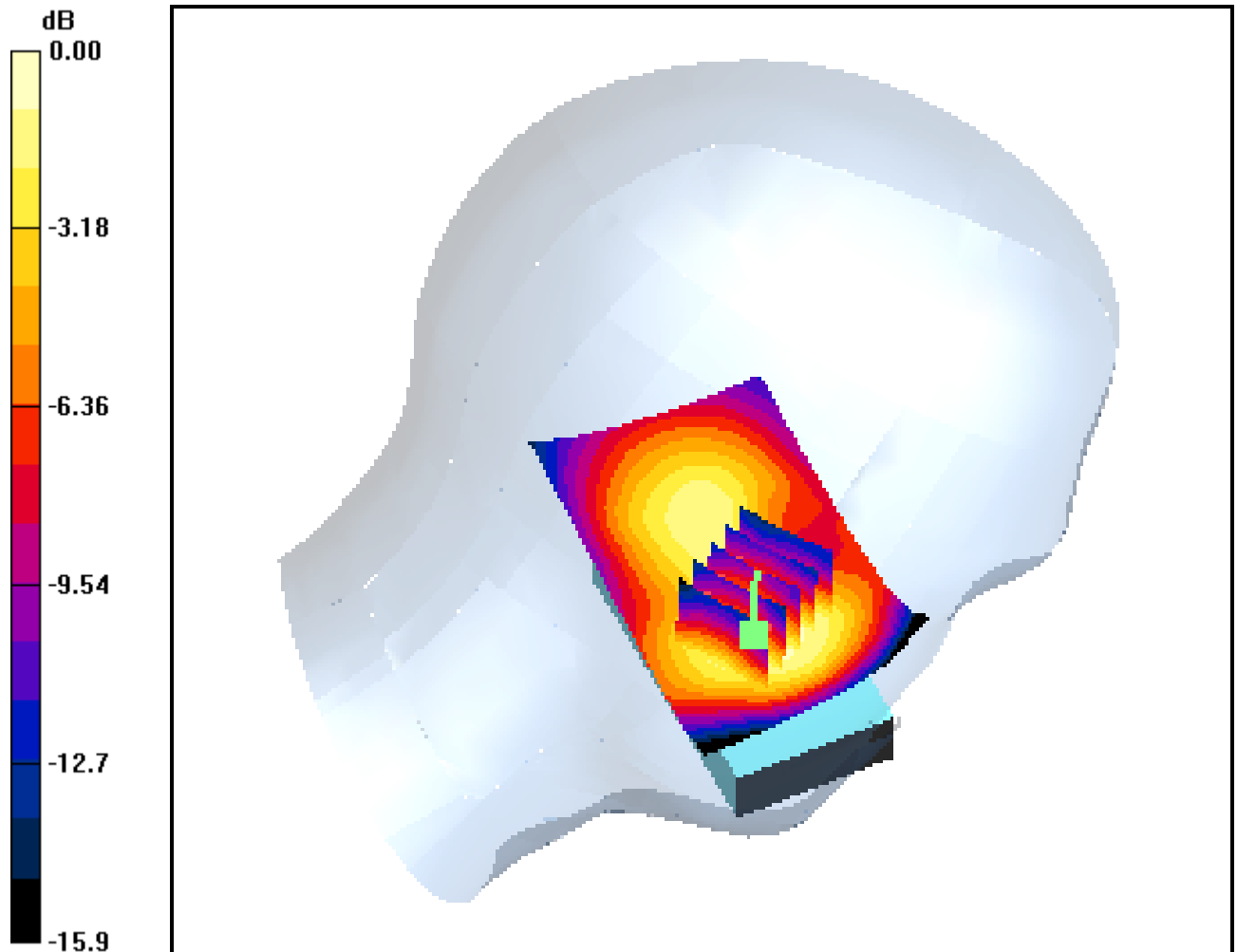
Area Scan (51x81x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

Power Drift = -0.026 dB

Peak SAR (extrapolated) = 0.361 W/kg

SAR(1 g) = 0.271 mW/g; SAR(10 g) = 0.171 mW/g



0 dB = 0.295mW/g

DIGITAL EMC CO., LTD

DUT: VK4500; Type: Slide Type

Communication System: PCS1900; Frequency: 1850.2 MHz; Duty Cycle: 1:8.3
Medium parameters used: $f = 1850.2 \text{ MHz}$; $\sigma = 1.45 \text{ mho/m}$; $\epsilon_r = 53.6$; $\rho = 1000 \text{ kg/m}^3$
Phantom section: Flat Section

DASY4 Configuration:

Probe: ET3DV6 - SN1703; ConvF(4.81, 4.81, 4.81); Calibrated: 2005-03-24; Electronics: DAE3 Sn520
Phantom: SAM 1800/1900 MHz; Type: SAM; Serial: TP-1224
Measurement SW: DASY4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 145

Test Date: 2006-01-27; Ambient Temp: 21.0; Tissue Temp: 20.5

1.5cm from Body, PCS Ch.512, Ant Intenna, Standard Battery

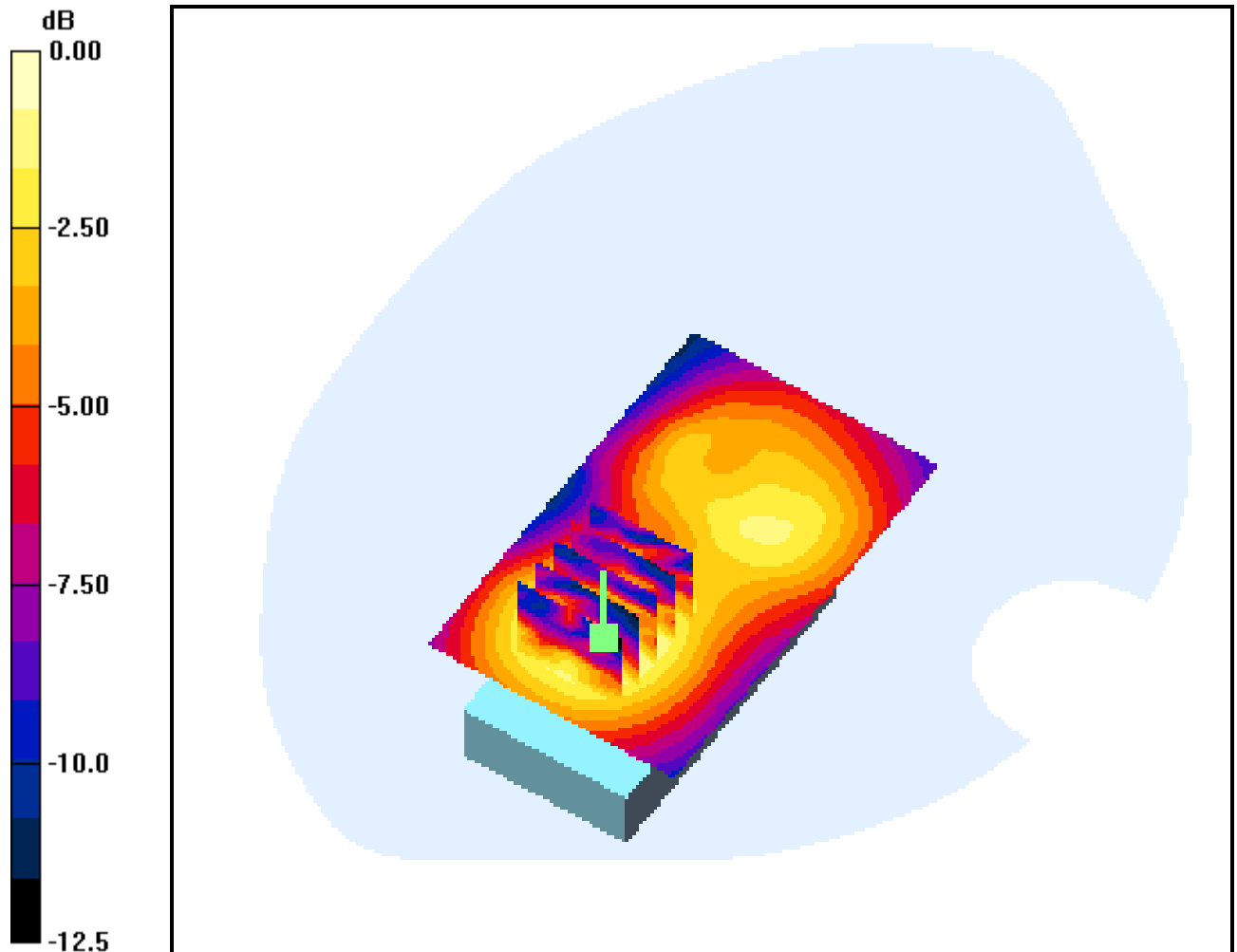
Area Scan (51x81x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

Power Drift = 0.083 dB

Peak SAR (extrapolated) = 0.320 W/kg

SAR(1 g) = 0.209 mW/g; SAR(10 g) = 0.141 mW/g



0 dB = 0.218mW/g

DIGITAL EMC CO., LTD

DUT: VK4500; Type: Slide Type

Communication System: PCS1900; Frequency: 1880 MHz; Duty Cycle: 1:8.3

Medium parameters used: $f = 1880 \text{ MHz}$; $\sigma = 1.49 \text{ mho/m}$; $\epsilon_r = 53.6$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

DASY4 Configuration:

Probe: ET3DV6 - SN1703; ConvF(4.81, 4.81, 4.81); Calibrated: 2005-03-24; Electronics: DAE3 Sn520

Phantom: SAM 1800/1900 MHz; Type: SAM; Serial: TP-1224

Measurement SW: DASY4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 145

Test Date: 2006-01-27; Ambient Temp: 21.0; Tissue Temp: 20.5

1.5cm from Body, PCS Ch.661, Ant Intenna, Standard Battery

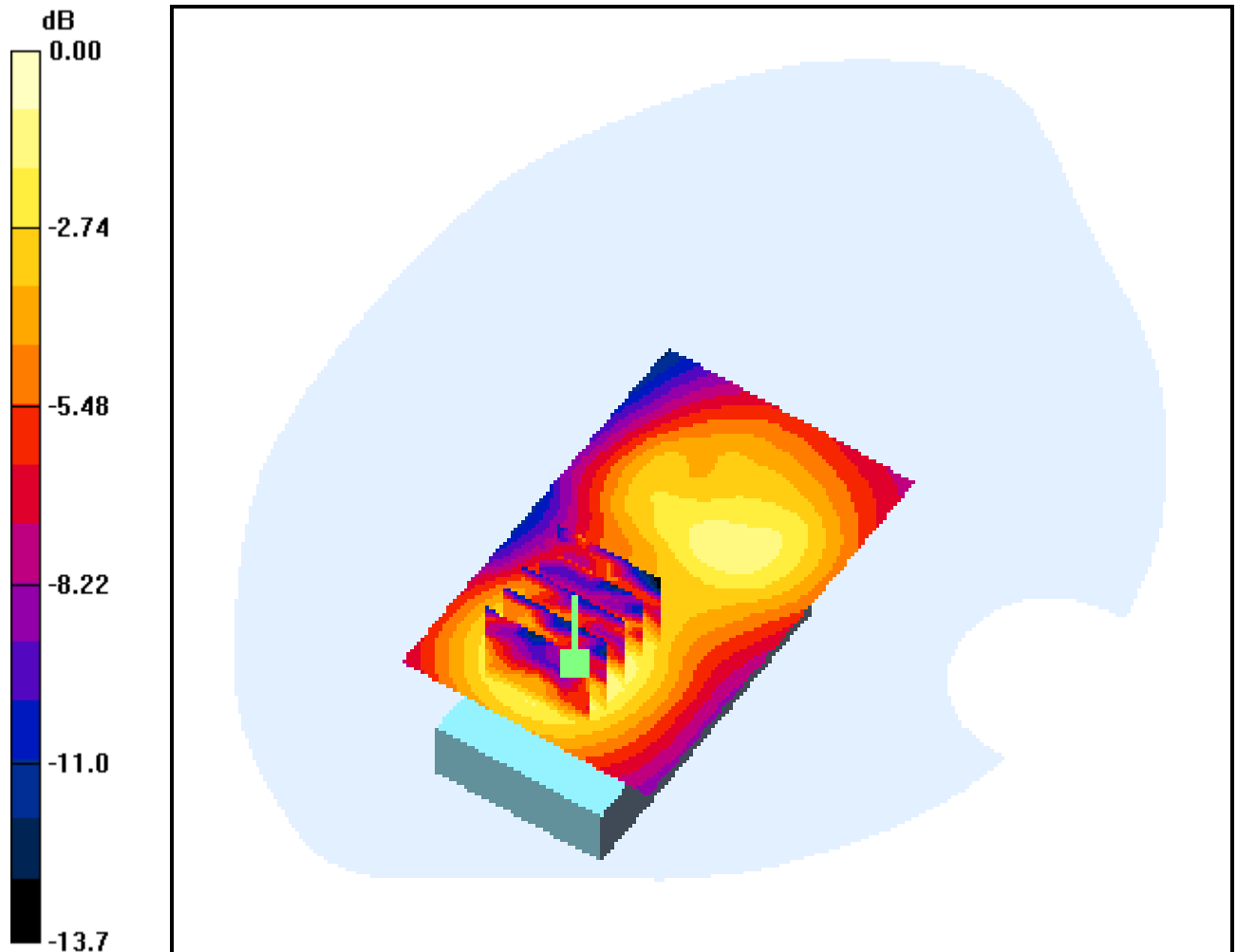
Area Scan (51x81x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

Power Drift = -0.01 dB

Peak SAR (extrapolated) = 0.299 W/kg

SAR(1 g) = 0.207 mW/g; SAR(10 g) = 0.134 mW/g



0 dB = 0.223mW/g

DIGITAL EMC CO., LTD

DUT: VK4500; Type: Slide Type

Communication System: PCS1900; Frequency: 1909.8 MHz; Duty Cycle: 1:8.3
Medium parameters used: $f = 1909.8 \text{ MHz}$; $\sigma = 1.51 \text{ mho/m}$; $\epsilon_r = 53.5$; $\rho = 1000 \text{ kg/m}^3$
Phantom section: Flat Section

DASY4 Configuration:

Probe: ET3DV6 - SN1703; ConvF(4.81, 4.81, 4.81); Calibrated: 2005-03-24; Electronics: DAE3 Sn520
Phantom: SAM 1800/1900 MHz; Type: SAM; Serial: TP-1224
Measurement SW: DASY4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 145

Test Date: 2006-01-27; Ambient Temp: 21.0; Tissue Temp: 20.5

1.5cm from Body, PCS Ch.810, Ant Intenna, Standard Battery

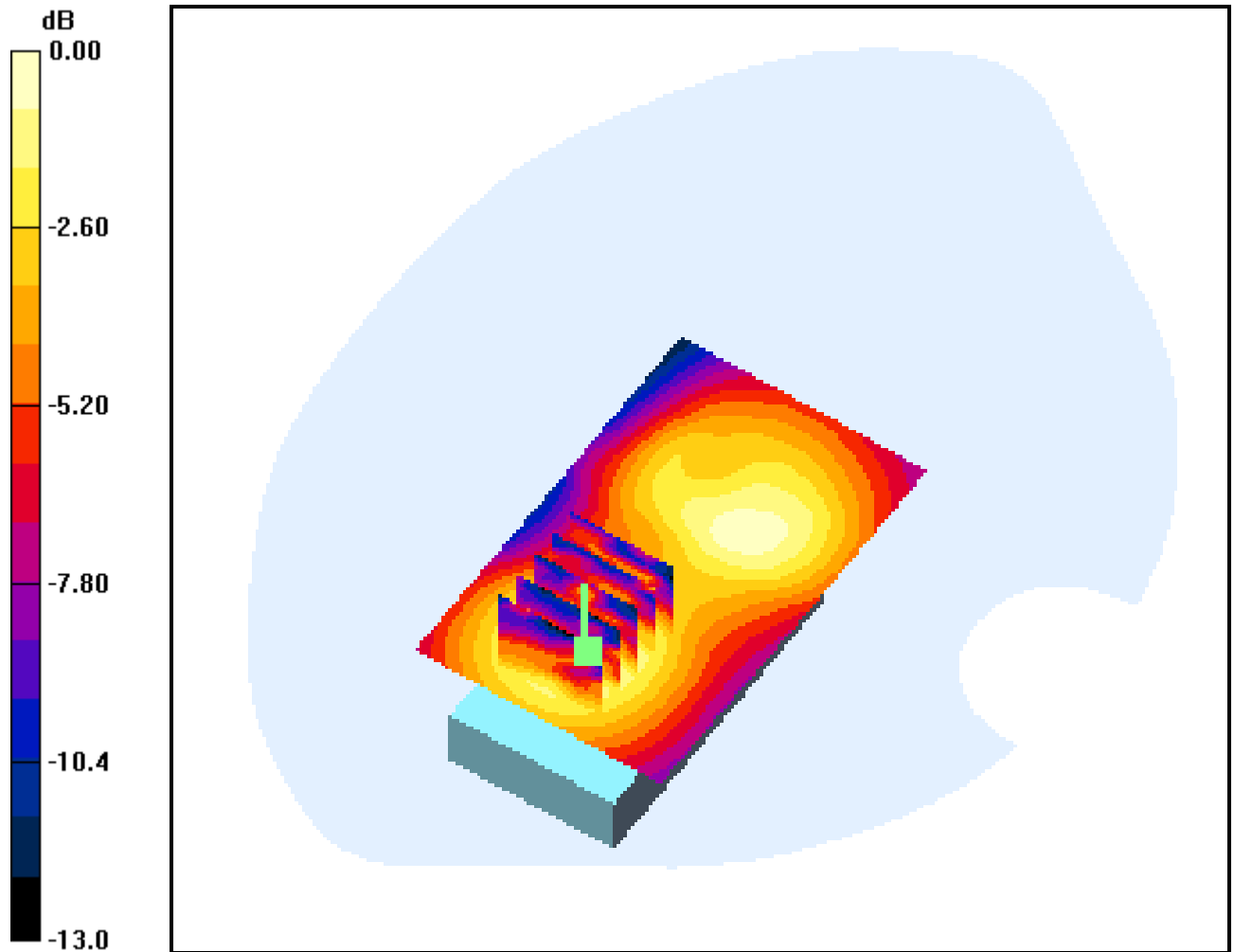
Area Scan (51x81x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

Power Drift = -0.054 dB

Peak SAR (extrapolated) = 0.236 W/kg

SAR(1 g) = 0.159 mW/g; SAR(10 g) = 0.106 mW/g



0 dB = 0.173mW/g

DIGITAL EMC CO., LTD

DUT: VK4500; Type: Slide Type

Communication System: PCS1900; Frequency: 1850.2 MHz; Duty Cycle: 1:8.3
Medium parameters used: $f = 1850.2 \text{ MHz}$; $\sigma = 1.45 \text{ mho/m}$; $\epsilon_r = 53.6$; $\rho = 1000 \text{ kg/m}^3$
Phantom section: Flat Section

DASY4 Configuration:

Probe: ET3DV6 - SN1703; ConvF(4.81, 4.81, 4.81); Calibrated: 2005-03-24; Electronics: DAE3 Sn520
Phantom: SAM 1800/1900 MHz; Type: SAM; Serial: TP-1224
Measurement SW: DASY4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 145

Test Date: 2006-01-27; Ambient Temp: 21.0; Tissue Temp: 20.5

1.5cm from Body, PCS Ch.512, Ant Intenna, Extended Battery

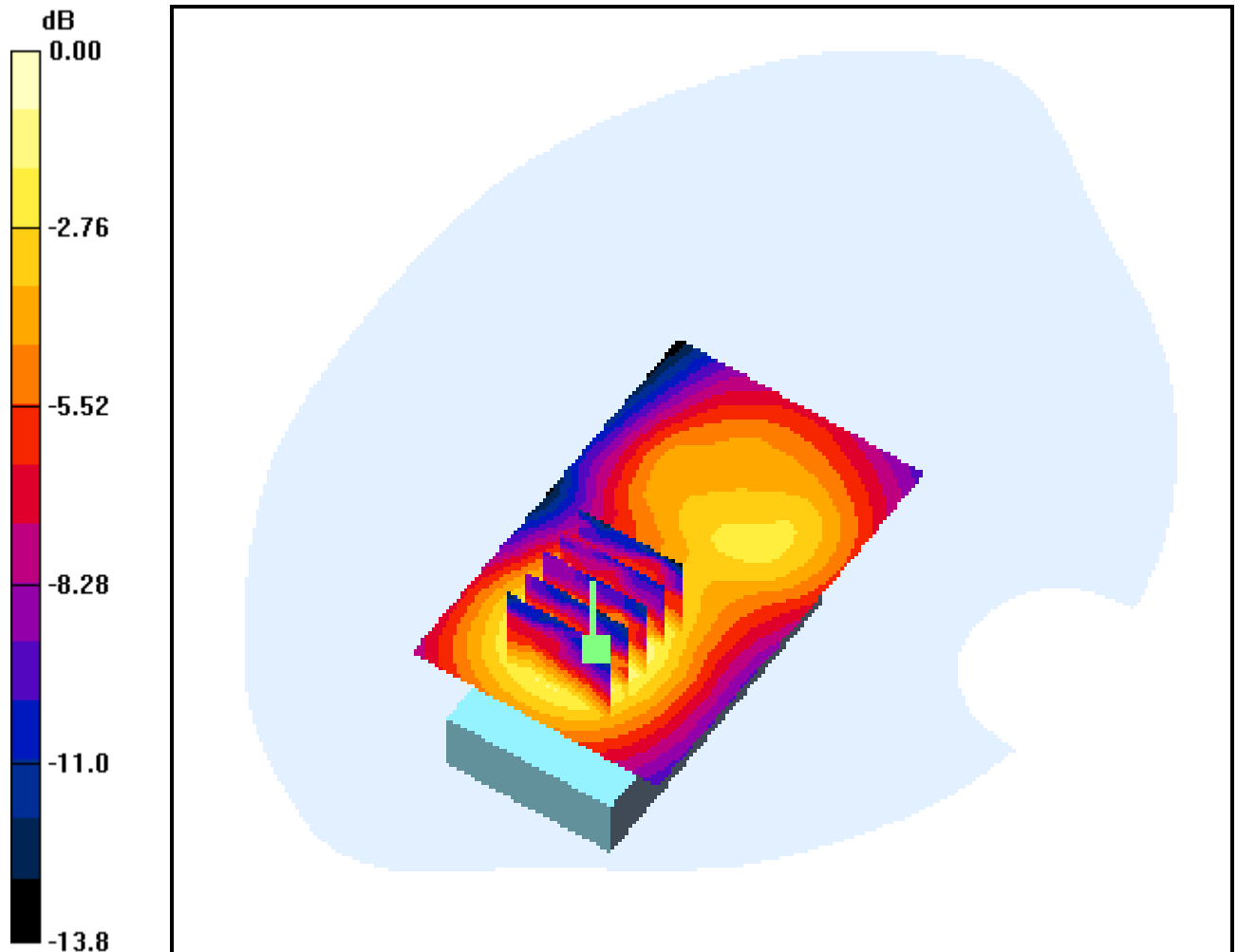
Area Scan (51x81x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

Power Drift = -0.013 dB

Peak SAR (extrapolated) = 0.343 W/kg

SAR(1 g) = 0.229 mW/g; SAR(10 g) = 0.150 mW/g



0 dB = 0.246mW/g

DIGITAL EMC CO., LTD

DUT: VK4500; Type: Slide Type

Communication System: PCS1900; Frequency: 1850.2 MHz; Duty Cycle: 1:8.3
Medium parameters used: $f = 1850.2 \text{ MHz}$; $\sigma = 1.45 \text{ mho/m}$; $\epsilon_r = 53.6$; $\rho = 1000 \text{ kg/m}^3$
Phantom section: Flat Section

DASY4 Configuration:

Probe: ET3DV6 - SN1703; ConvF(4.81, 4.81, 4.81); Calibrated: 2005-03-24; Electronics: DAE3 Sn520
Phantom: SAM 1800/1900 MHz; Type: SAM; Serial: TP-1224
Measurement SW: DASY4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 145

Test Date: 2006-01-27; Ambient Temp: 21.0; Tissue Temp: 20.5

1.5cm from Body, PCS Ch.512, Ant Intenna, Extended Battery With BT ON

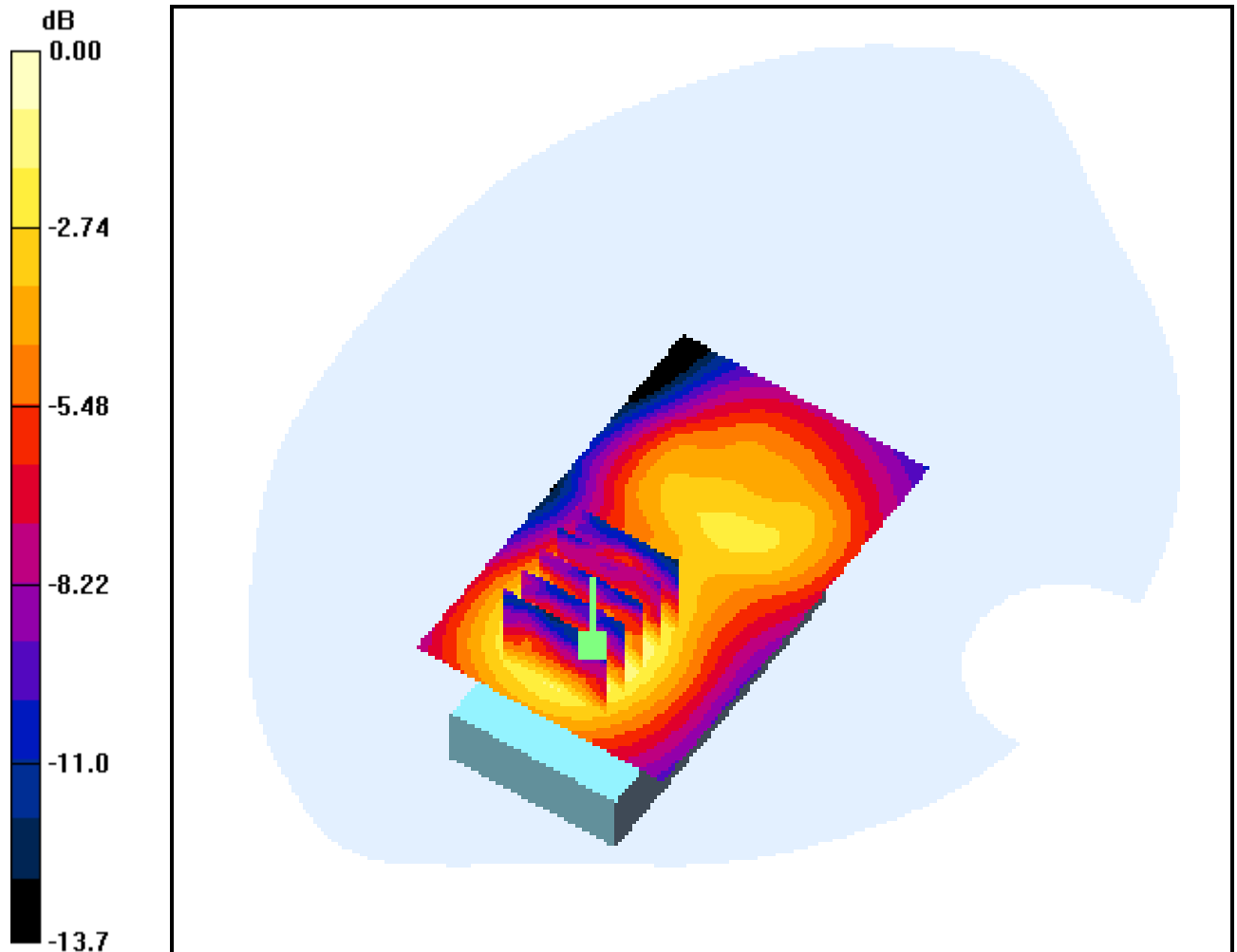
Area Scan (51x81x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

Power Drift = -0.045 dB

Peak SAR (extrapolated) = 0.362 W/kg

SAR(1 g) = 0.257 mW/g; SAR(10 g) = 0.168 mW/g



0 dB = 0.276mW/g