

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: $f = 835 \text{ MHz}$; $\sigma = 0.906 \text{ mho/m}$; $\epsilon_r = 42.4$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

DASY4 Configuration:

Probe: ET3DV6 - SN1702; ConvF(6.66, 6.66, 6.66); Calibrated: 2006-03-23; Electronics: DAE3 Sn520

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

Measurement SW: DASY4, V4.6 Build 23; Postprocessing SW: SEMCAD, V1.8 Build 161

Test Date: 2007-01-27; Ambient Temp: 21.0; Tissue Temp: 21.5

Dipole Validation

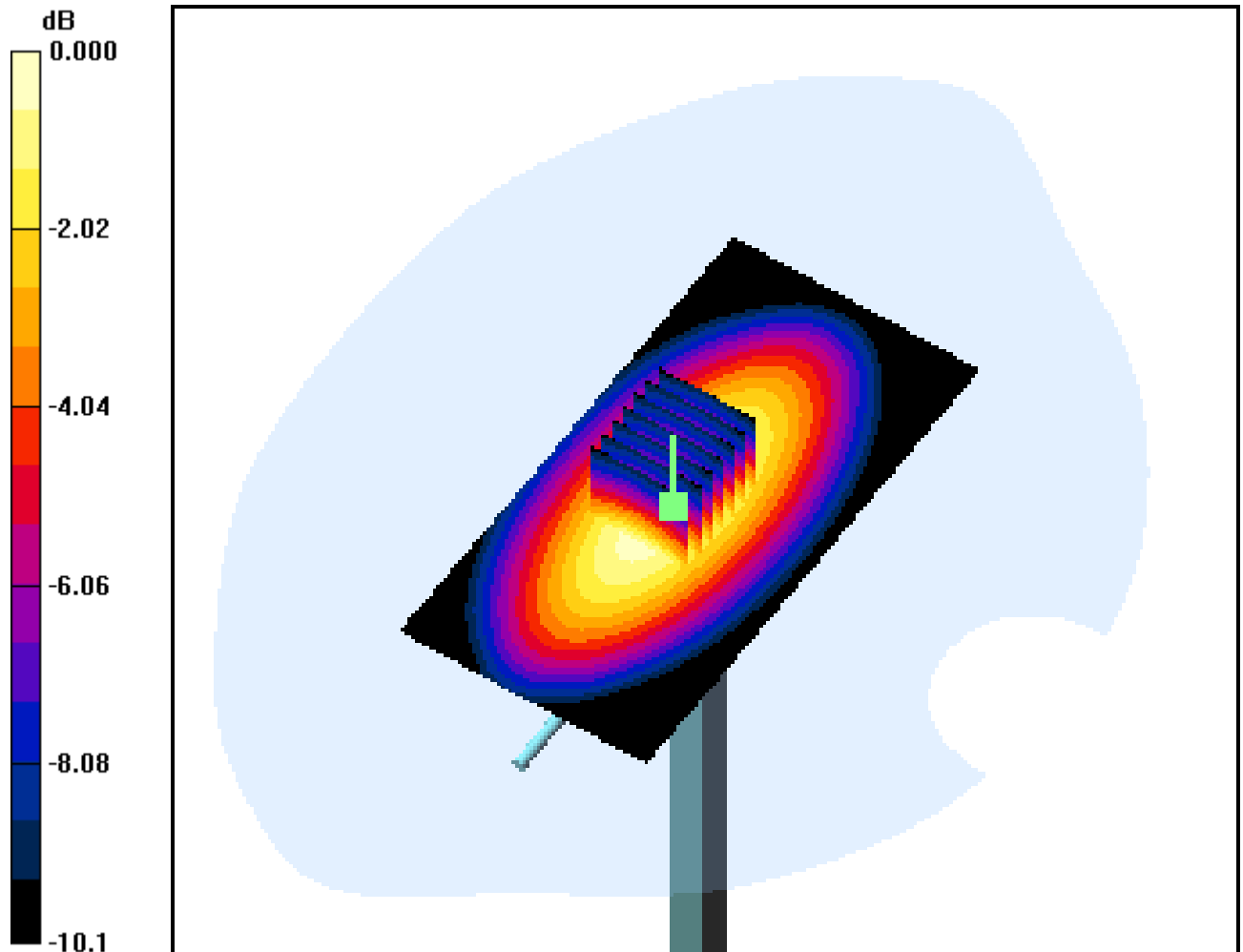
Area Scan (51x101x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

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

Power Drift = -0.005 dB

Peak SAR (extrapolated) = 3.23 W/kg

SAR(1 g) = 2.3 mW/g; SAR(10 g) = 1.53 mW/g



0 dB = 2.48mW/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: $f = 1900 \text{ MHz}$; $\sigma = 1.41 \text{ mho/m}$; $\epsilon_r = 39.8$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

DASY4 Configuration:

Probe: ET3DV6 - SN1702; ConvF(5.29, 5.29, 5.29); Calibrated: 2006-03-23; Electronics: DAE3 Sn520

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

Measurement SW: DASY4, V4.6 Build 23; Postprocessing SW: SEMCAD, V1.8 Build 161

Test Date: 2007-01-25; Ambient Temp: 20.5; Tissue Temp: 21.0

Dipole Validation

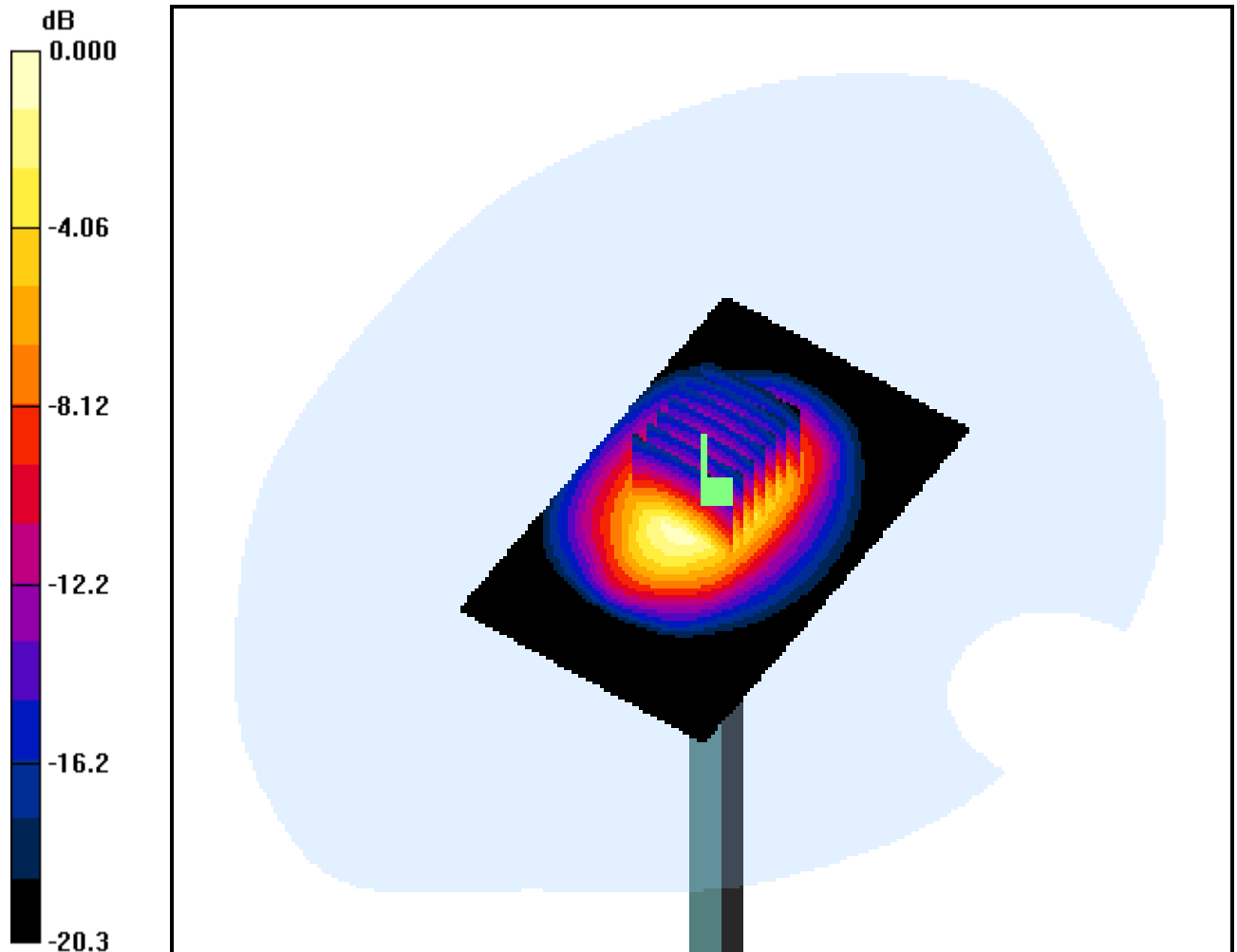
Area Scan (51x81x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

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

Power Drift = -0.018 dB

Peak SAR (extrapolated) = 19.9 W/kg

SAR(1 g) = 10.5 mW/g; SAR(10 g) = 5.29 mW/g



0 dB = 11.7mW/g

DIGITAL EMC CO., LTD

DUT: i230; Type: Bar Type

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

Medium parameters used: $f = 824.2 \text{ MHz}$; $\sigma = 0.898 \text{ mho/m}$; $\epsilon_r = 42.5$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Right Section

DASY4 Configuration:

Probe: ET3DV6 - SN1702; ConvF(6.66, 6.66, 6.66); Calibrated: 2006-03-23; Electronics: DAE3 Sn520

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

Measurement SW: DASY4, V4.6 Build 23; Postprocessing SW: SEMCAD, V1.8 Build 161

Date: 2007-01-27; Ambient Temp: 21.0; Tissue Temp: 21.5

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

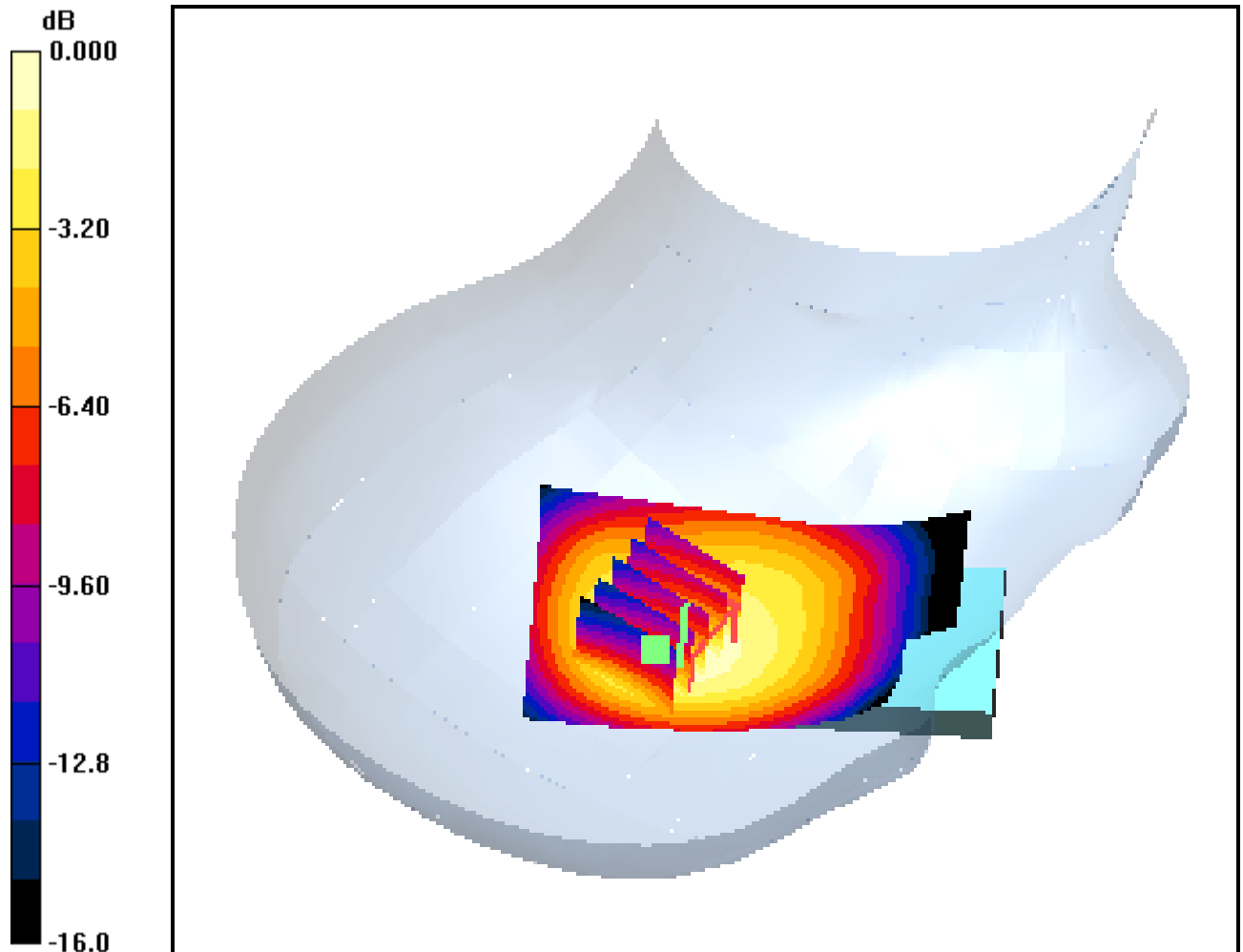
Area Scan (51x81x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

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

Power Drift = -0.124 dB

Peak SAR (extrapolated) = 1.09 W/kg

SAR(1 g) = 0.655 mW/g; SAR(10 g) = 0.417 mW/g



0 dB = 0.717mW/g

DIGITAL EMC CO., LTD

DUT: i230; Type: Bar Type

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

Medium parameters used: $f = 836.6 \text{ MHz}$; $\sigma = 0.909 \text{ mho/m}$; $\epsilon_r = 42.4$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Right Section

DASY4 Configuration:

Probe: ET3DV6 - SN1702; ConvF(6.66, 6.66, 6.66); Calibrated: 2006-03-23; Electronics: DAE3 Sn520

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

Measurement SW: DASY4, V4.6 Build 23; Postprocessing SW: SEMCAD, V1.8 Build 161

Date: 2007-01-27; Ambient Temp: 21.0; Tissue Temp: 21.5

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

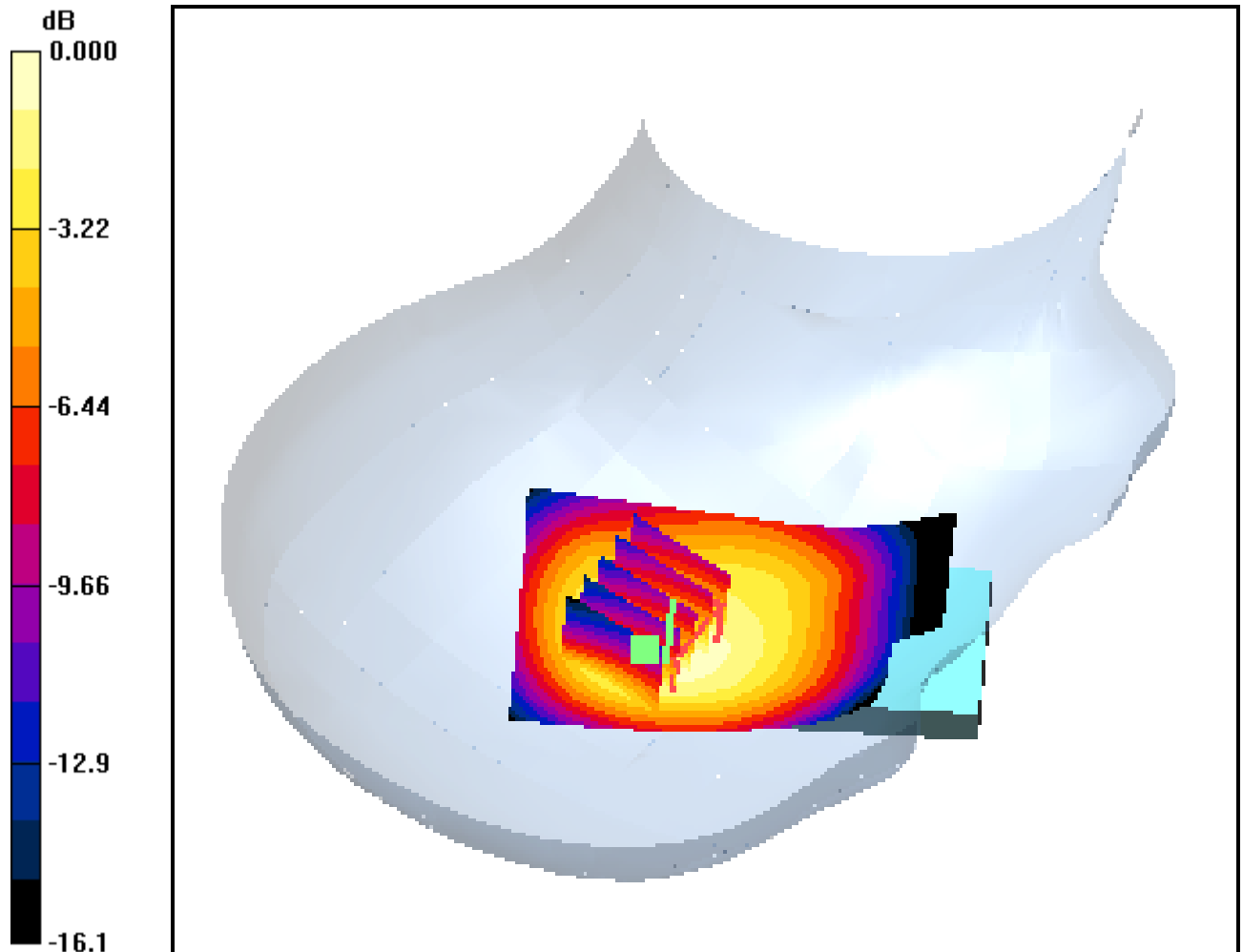
Area Scan (51x81x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

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

Power Drift = -0.049 dB

Peak SAR (extrapolated) = 1.23 W/kg

SAR(1 g) = 0.740 mW/g; SAR(10 g) = 0.467 mW/g



0 dB = 0.809mW/g

DIGITAL EMC CO., LTD

DUT: i230; Type: Bar Type

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

Medium parameters used: $f = 848.8 \text{ MHz}$; $\sigma = 0.919 \text{ mho/m}$; $\epsilon_r = 42.2$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Right Section

DASY4 Configuration:

Probe: ET3DV6 - SN1702; ConvF(6.66, 6.66, 6.66); Calibrated: 2006-03-23; Electronics: DAE3 Sn520

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

Measurement SW: DASY4, V4.6 Build 23; Postprocessing SW: SEMCAD, V1.8 Build 161

Date: 2007-01-27; Ambient Temp: 21.0; Tissue Temp: 21.5

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

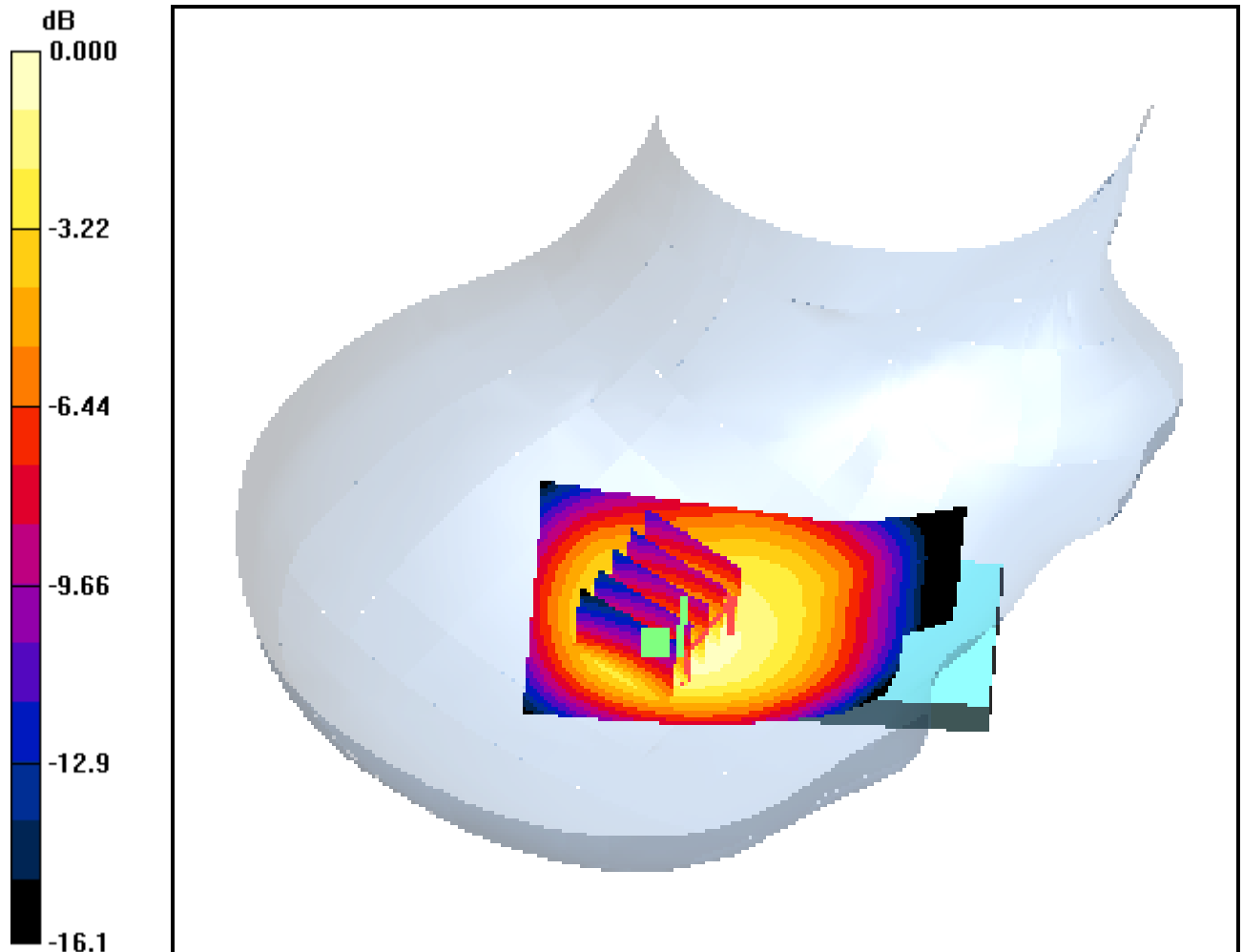
Area Scan (51x81x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

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

Power Drift = -0.005 dB

Peak SAR (extrapolated) = 1.50 W/kg

SAR(1 g) = 0.911 mW/g; SAR(10 g) = 0.579 mW/g



0 dB = 0.998mW/g

DIGITAL EMC CO., LTD

DUT: i230; Type: Bar Type

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

Medium parameters used: $f = 836.6 \text{ MHz}$; $\sigma = 0.909 \text{ mho/m}$; $\epsilon_r = 42.4$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Right Section

DASY4 Configuration:

Probe: ET3DV6 - SN1702; ConvF(6.66, 6.66, 6.66); Calibrated: 2006-03-23; Electronics: DAE3 Sn520

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

Measurement SW: DASY4, V4.6 Build 23; Postprocessing SW: SEMCAD, V1.8 Build 161

Date: 2007-01-27; Ambient Temp: 21.0; Tissue Temp: 21.5

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

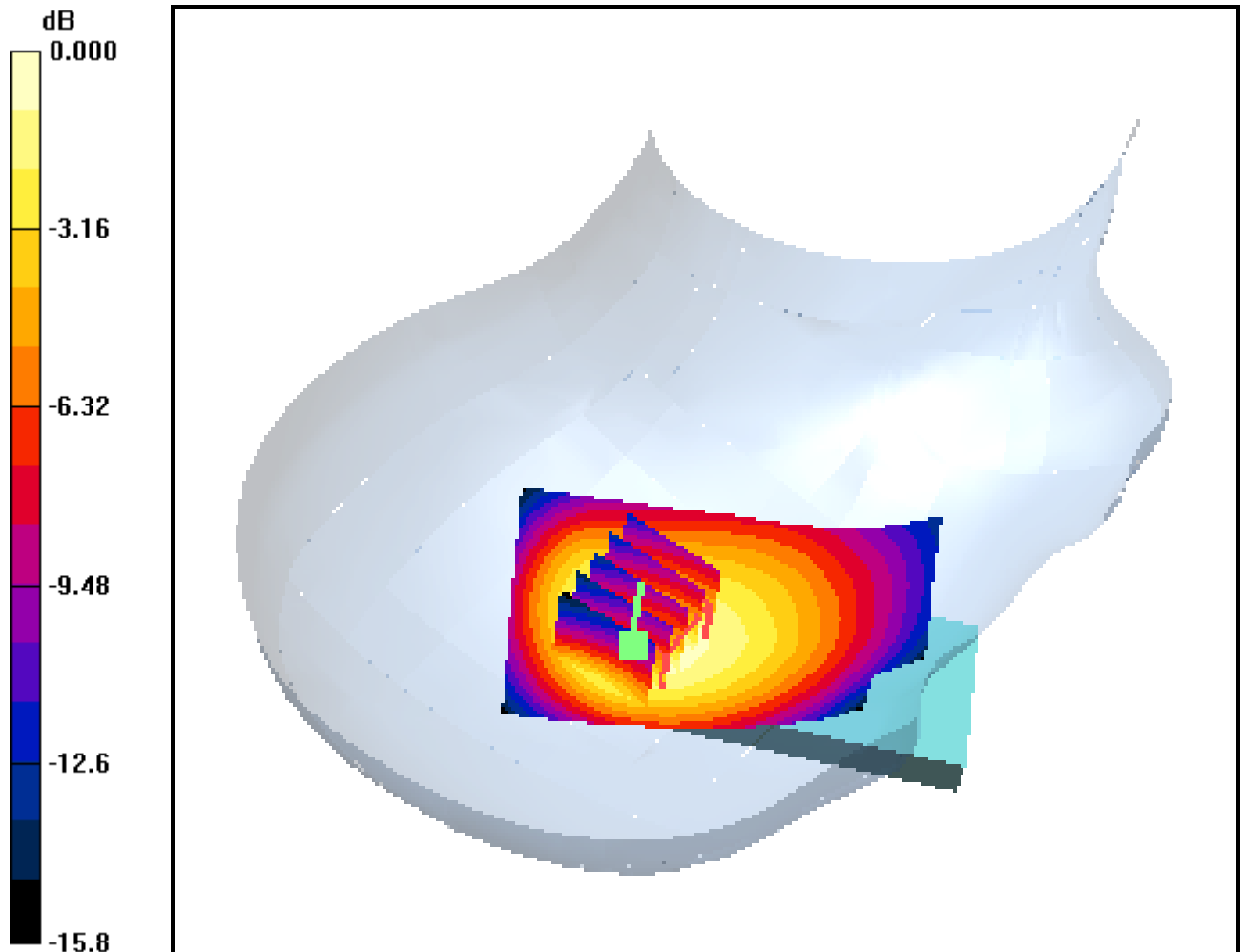
Area Scan (51x81x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

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) = 1.02 W/kg

SAR(1 g) = 0.520 mW/g; SAR(10 g) = 0.329 mW/g



0 dB = 0.553mW/g

DIGITAL EMC CO., LTD

DUT: i230; Type: Bar Type

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

Medium parameters used: $f = 824.2 \text{ MHz}$; $\sigma = 0.898 \text{ mho/m}$; $\epsilon_r = 42.5$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Left Section

DASY4 Configuration:

Probe: ET3DV6 - SN1702; ConvF(6.66, 6.66, 6.66); Calibrated: 2006-03-23; Electronics: DAE3 Sn520

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

Measurement SW: DASY4, V4.6 Build 23; Postprocessing SW: SEMCAD, V1.8 Build 161

Date: 2007-01-27; Ambient Temp: 21.0; Tissue Temp: 21.5

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

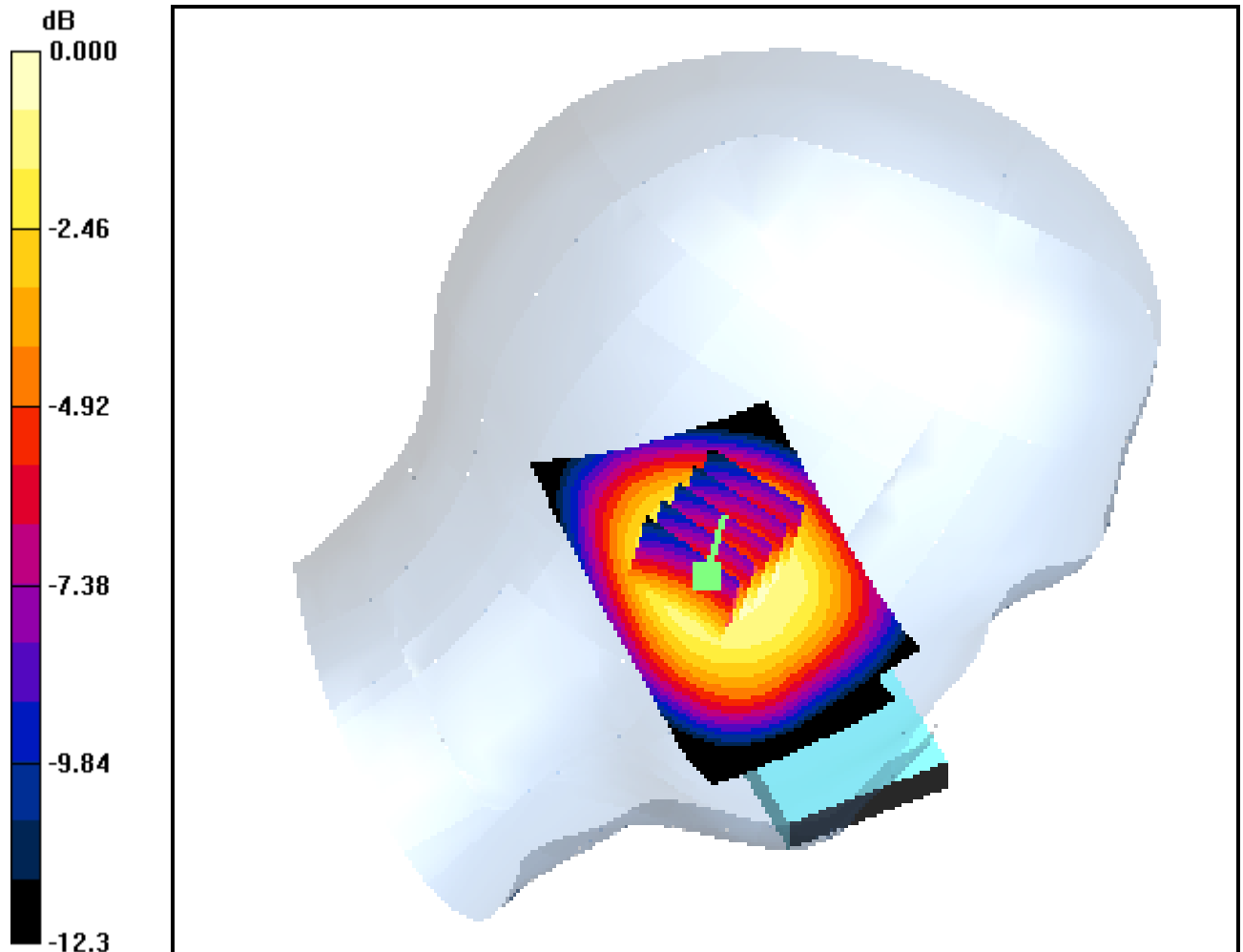
Area Scan (51x81x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

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

Power Drift = -0.100 dB

Peak SAR (extrapolated) = 0.810 W/kg

SAR(1 g) = 0.568 mW/g; SAR(10 g) = 0.394 mW/g



0 dB = 0.606mW/g

DIGITAL EMC CO., LTD

DUT: i230; Type: Bar Type

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

Medium parameters used: $f = 836.6 \text{ MHz}$; $\sigma = 0.909 \text{ mho/m}$; $\epsilon_r = 42.4$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Left Section

DASY4 Configuration:

Probe: ET3DV6 - SN1702; ConvF(6.66, 6.66, 6.66); Calibrated: 2006-03-23; Electronics: DAE3 Sn520

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

Measurement SW: DASY4, V4.6 Build 23; Postprocessing SW: SEMCAD, V1.8 Build 161

Date: 2007-01-27; Ambient Temp: 21.0; Tissue Temp: 21.5

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

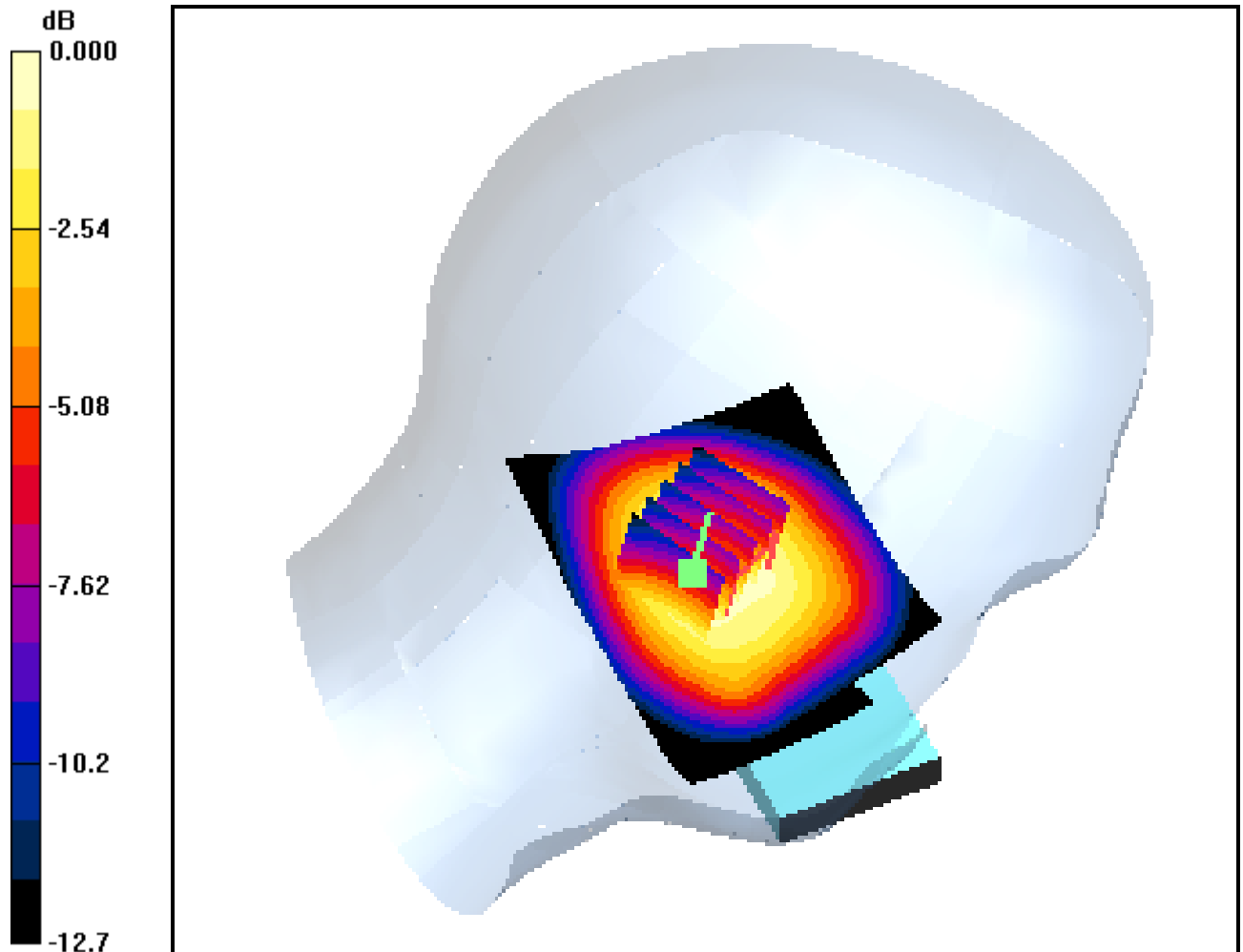
Area Scan (61x81x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

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

Power Drift = -0.067 dB

Peak SAR (extrapolated) = 0.882 W/kg

SAR(1 g) = 0.622 mW/g; SAR(10 g) = 0.434 mW/g



0 dB = 0.658mW/g

DIGITAL EMC CO., LTD

DUT: i230; Type: Bar Type

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

Medium parameters used: $f = 848.8 \text{ MHz}$; $\sigma = 0.919 \text{ mho/m}$; $\epsilon_r = 42.2$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Left Section

DASY4 Configuration:

Probe: ET3DV6 - SN1702; ConvF(6.66, 6.66, 6.66); Calibrated: 2006-03-23; Electronics: DAE3 Sn520

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

Measurement SW: DASY4, V4.6 Build 23; Postprocessing SW: SEMCAD, V1.8 Build 161

Date: 2007-01-27; Ambient Temp: 21.0; Tissue Temp: 21.5

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

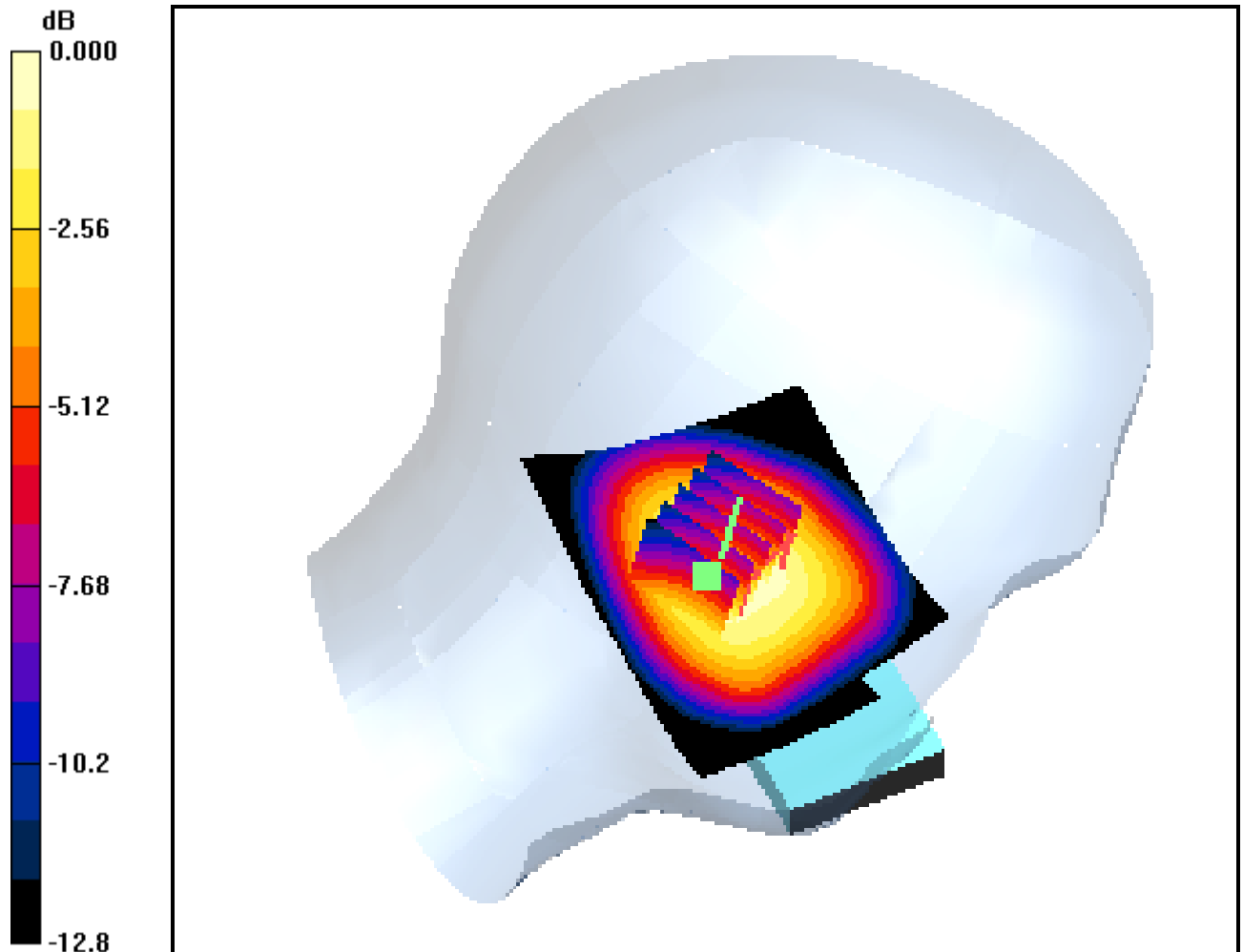
Area Scan (61x81x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

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

Power Drift = -0.122 dB

Peak SAR (extrapolated) = 1.00 W/kg

SAR(1 g) = 0.735 mW/g; SAR(10 g) = 0.516 mW/g



0 dB = 0.776mW/g

DIGITAL EMC CO., LTD

DUT: i230; Type: Bar Type

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

Medium parameters used: $f = 836.6 \text{ MHz}$; $\sigma = 0.909 \text{ mho/m}$; $\epsilon_r = 42.4$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Left Section

DASY4 Configuration:

Probe: ET3DV6 - SN1702; ConvF(6.66, 6.66, 6.66); Calibrated: 2006-03-23; Electronics: DAE3 Sn520

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

Measurement SW: DASY4, V4.6 Build 23; Postprocessing SW: SEMCAD, V1.8 Build 161

Date: 2007-01-27; Ambient Temp: 21.0; Tissue Temp: 21.5

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

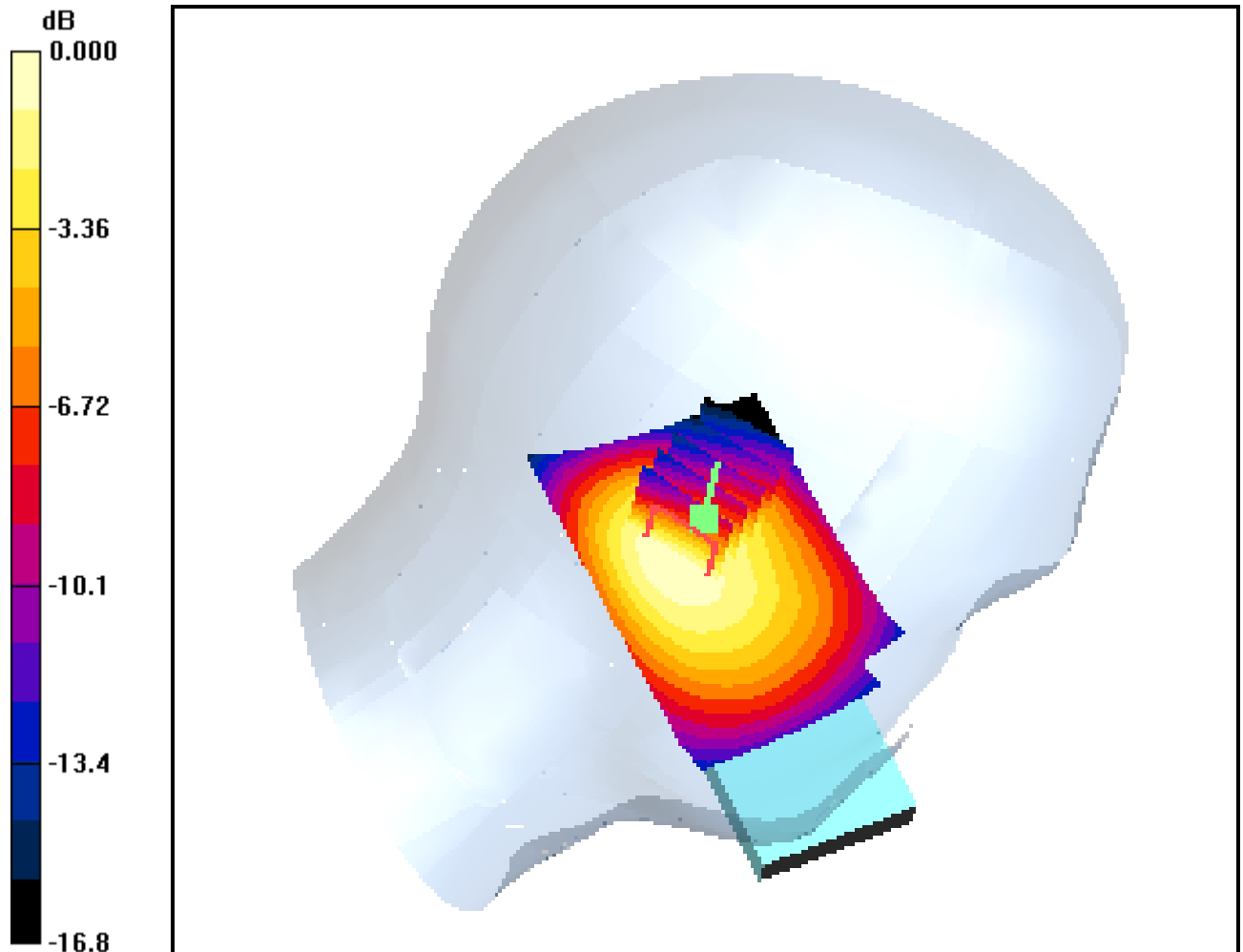
Area Scan (51x81x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

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

Power Drift = 0.006 dB

Peak SAR (extrapolated) = 1.51 W/kg

SAR(1 g) = 0.531 mW/g; SAR(10 g) = 0.296 mW/g



0 dB = 0.533mW/g

DIGITAL EMC CO., LTD

DUT: i230; Type: Bar Type

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

Medium parameters used: $f = 848.8 \text{ MHz}$; $\sigma = 0.919 \text{ mho/m}$; $\epsilon_r = 42.2$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Right Section

DASY4 Configuration:

Probe: ET3DV6 - SN1702; ConvF(6.66, 6.66, 6.66); Calibrated: 2006-03-23; Electronics: DAE3 Sn520

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

Measurement SW: DASY4, V4.6 Build 23; Postprocessing SW: SEMCAD, V1.8 Build 161

Date: 2007-01-27; Ambient Temp: 21.0; Tissue Temp: 21.5

Right Touch GSM Ch.251, Ant Intenna, Standard Battery With BT On

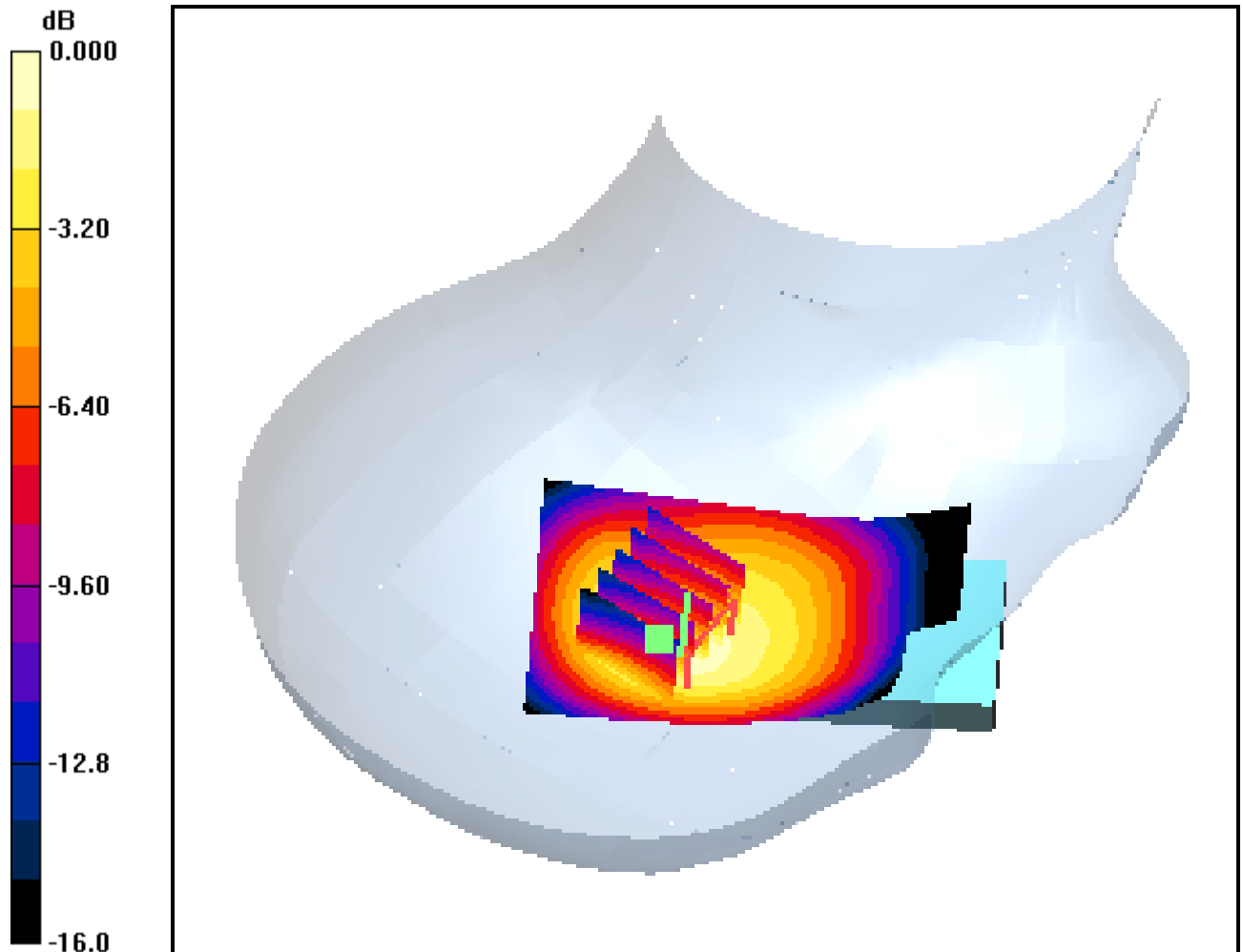
Area Scan (51x81x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

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

Power Drift = 0.019 dB

Peak SAR (extrapolated) = 1.65 W/kg

SAR(1 g) = 0.951 mW/g; SAR(10 g) = 0.595 mW/g



0 dB = 1.03mW/g

DIGITAL EMC CO., LTD

DUT: i230; Type: Bar Type

Communication System: GSM 850; Frequency: 824.2 MHz; Duty Cycle: 1:4.15
Medium parameters used: $f = 824.2 \text{ MHz}$; $\sigma = 0.984 \text{ mho/m}$; $\epsilon_r = 53.4$; $\rho = 1000 \text{ kg/m}^3$
Phantom section: Flat Section

DASY4 Configuration:

Probe: ET3DV6 - SN1702; ConvF(6.21, 6.21, 6.21); Calibrated: 2006-03-23; Electronics: DAE3 Sn520
Phantom: SAM with 835MHz; Type: SAM; Serial: TP-1223
Measurement SW: DASY4, V4.6 Build 23; Postprocessing SW: SEMCAD, V1.8 Build 161

Test Date: 2007-01-25; Ambient Temp: 20.5; Tissue Temp: 21.0

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

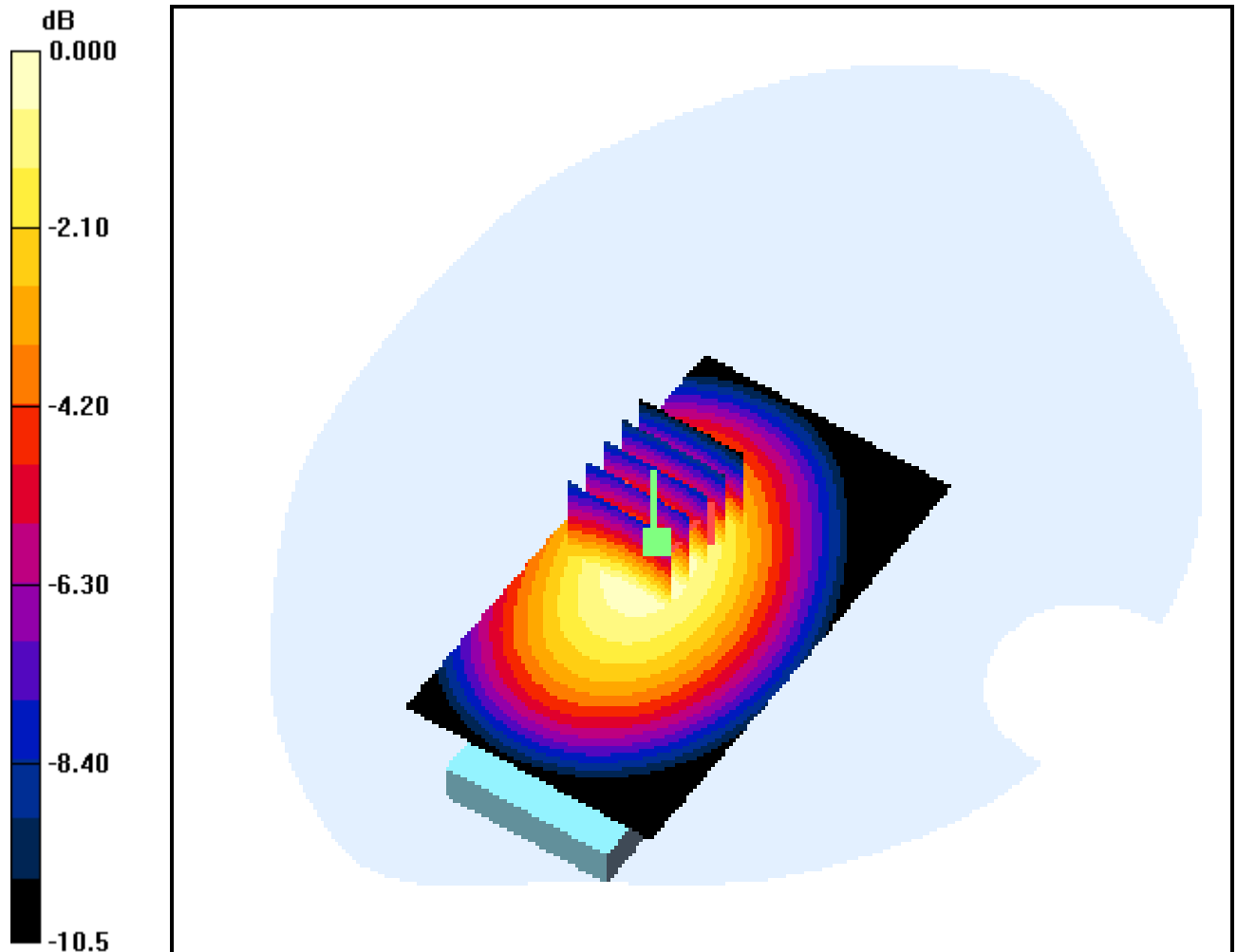
Area Scan (51x91x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

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

Power Drift = -0.091 dB

Peak SAR (extrapolated) = 0.510 W/kg

SAR(1 g) = 0.389 mW/g; SAR(10 g) = 0.275 mW/g



0 dB = 0.415mW/g

DIGITAL EMC CO., LTD

DUT: i230; Type: Bar Type

Communication System: GSM 850; Frequency: 836.6 MHz; Duty Cycle: 1:4.15
Medium parameters used: $f = 836.6 \text{ MHz}$; $\sigma = 0.998 \text{ mho/m}$; $\epsilon_r = 53.3$; $\rho = 1000 \text{ kg/m}^3$
Phantom section: Flat Section

DASY4 Configuration:

Probe: ET3DV6 - SN1702; ConvF(6.21, 6.21, 6.21); Calibrated: 2006-03-23; Electronics: DAE3 Sn520
Phantom: SAM with 835MHz; Type: SAM; Serial: TP-1223
Measurement SW: DASY4, V4.6 Build 23; Postprocessing SW: SEMCAD, V1.8 Build 161

Test Date: 2007-01-25; Ambient Temp: 20.5; Tissue Temp: 21.0

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

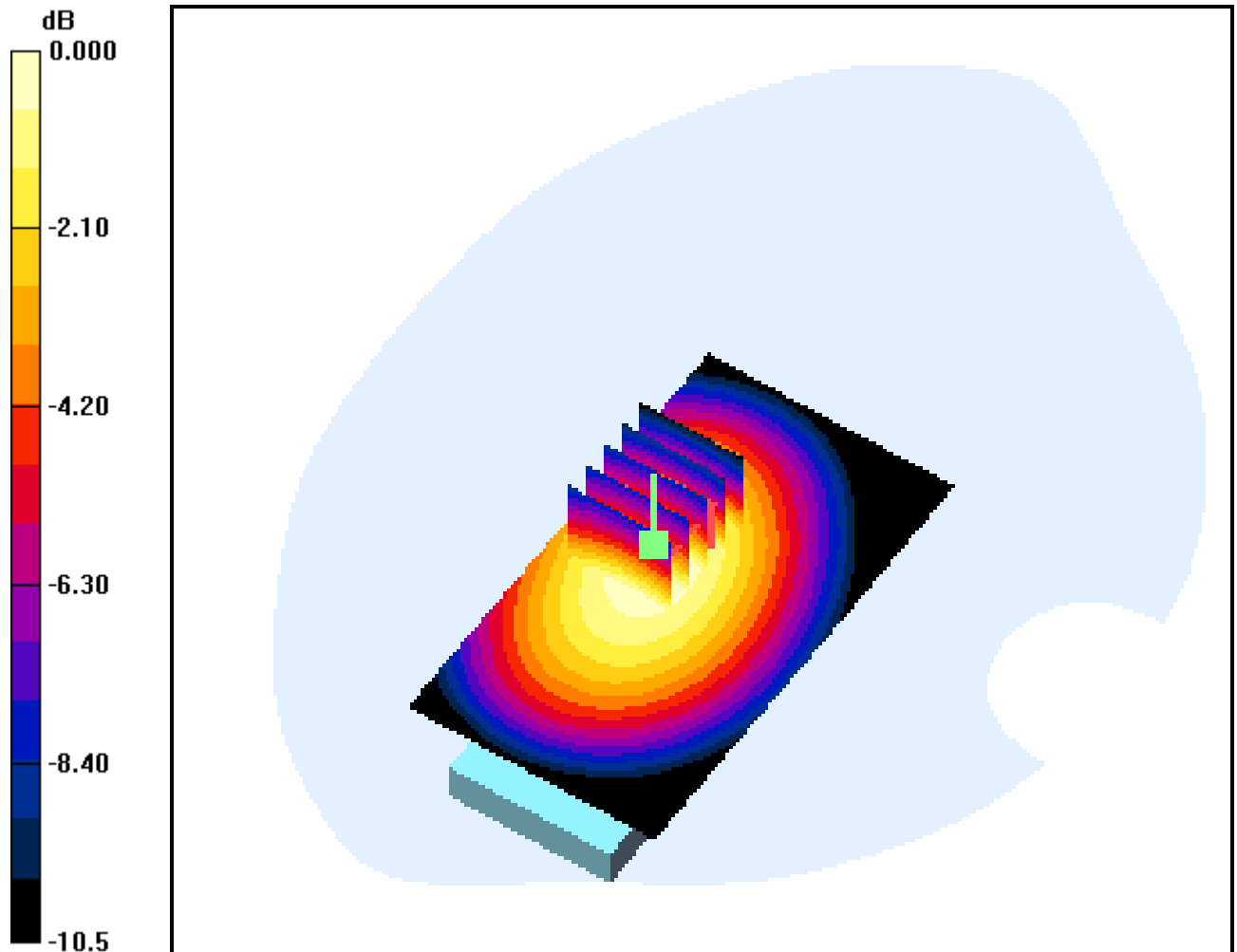
Area Scan (51x91x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

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

Power Drift = -0.042 dB

Peak SAR (extrapolated) = 0.636 W/kg

SAR(1 g) = 0.483 mW/g; SAR(10 g) = 0.342 mW/g



0 dB = 0.514mW/g

DIGITAL EMC CO., LTD

DUT: i230; Type: Bar Type

Communication System: GSM 850; Frequency: 848.8 MHz; Duty Cycle: 1:4.15

Medium parameters used: $f = 848.8 \text{ MHz}$; $\sigma = 1.02 \text{ mho/m}$; $\epsilon_r = 53.3$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

DASY4 Configuration:

Probe: ET3DV6 - SN1702; ConvF(6.21, 6.21, 6.21); Calibrated: 2006-03-23; Electronics: DAE3 Sn520

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

Measurement SW: DASY4, V4.6 Build 23; Postprocessing SW: SEMCAD, V1.8 Build 161

Test Date: 2007-01-25; Ambient Temp: 20.5; Tissue Temp: 21.0

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

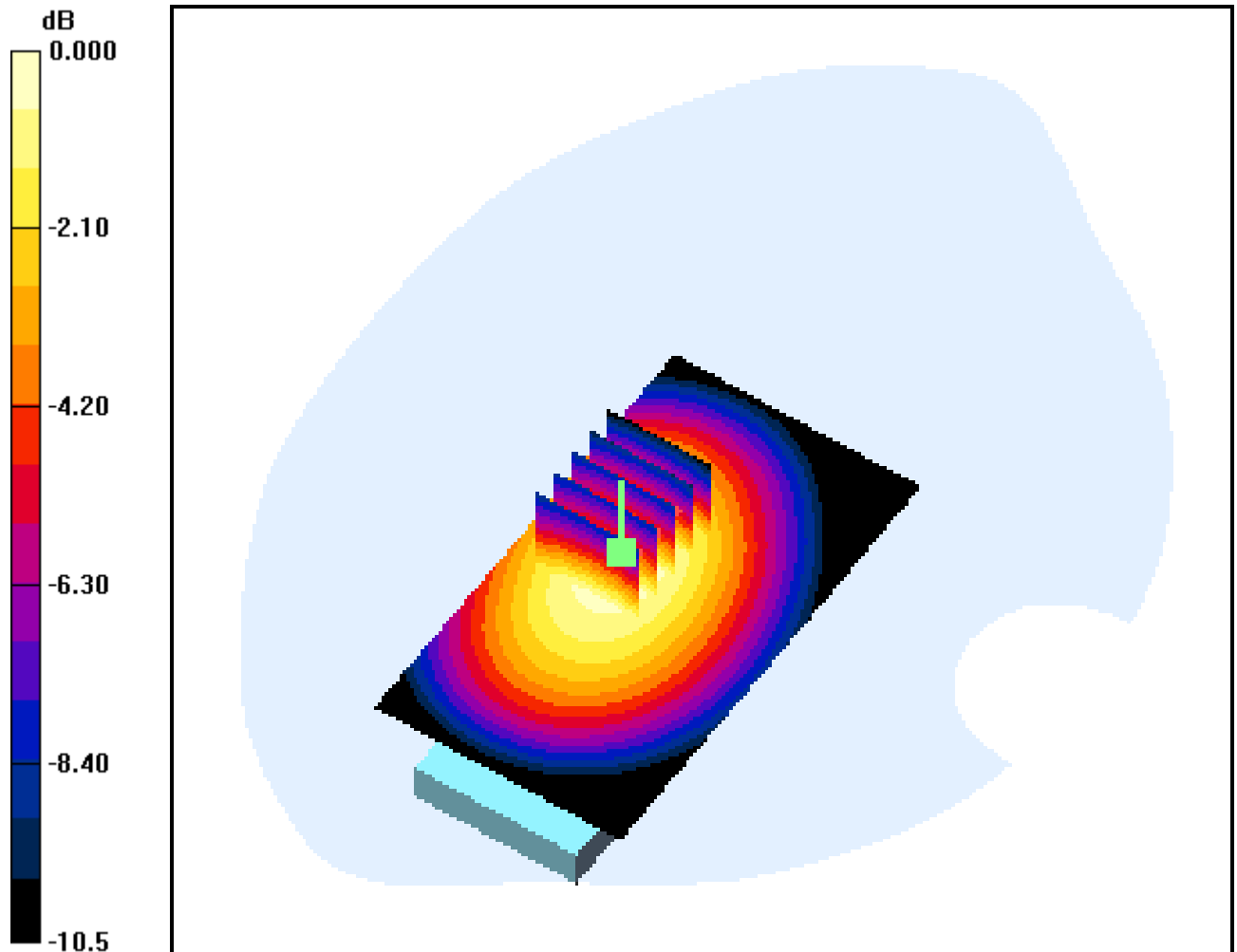
Area Scan (51x91x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

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

Power Drift = -0.061 dB

Peak SAR (extrapolated) = 0.793 W/kg

SAR(1 g) = 0.589 mW/g; SAR(10 g) = 0.414 mW/g



0 dB = 0.628mW/g

DIGITAL EMC CO., LTD

DUT: i230; Type: Bar Type

Communication System: GSM 850; Frequency: 848.8 MHz; Duty Cycle: 1:4.15

Medium parameters used: $f = 848.8 \text{ MHz}$; $\sigma = 1.02 \text{ mho/m}$; $\epsilon_r = 53.3$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

DASY4 Configuration:

Probe: ET3DV6 - SN1702; ConvF(6.21, 6.21, 6.21); Calibrated: 2006-03-23; Electronics: DAE3 Sn520

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

Measurement SW: DASY4, V4.6 Build 23; Postprocessing SW: SEMCAD, V1.8 Build 161

Test Date: 2007-01-25; Ambient Temp: 20.5; Tissue Temp: 21.0

1.5cm from Body, GSM Ch.251, Ant Intenna, Standard Battery GPRS/BT ON

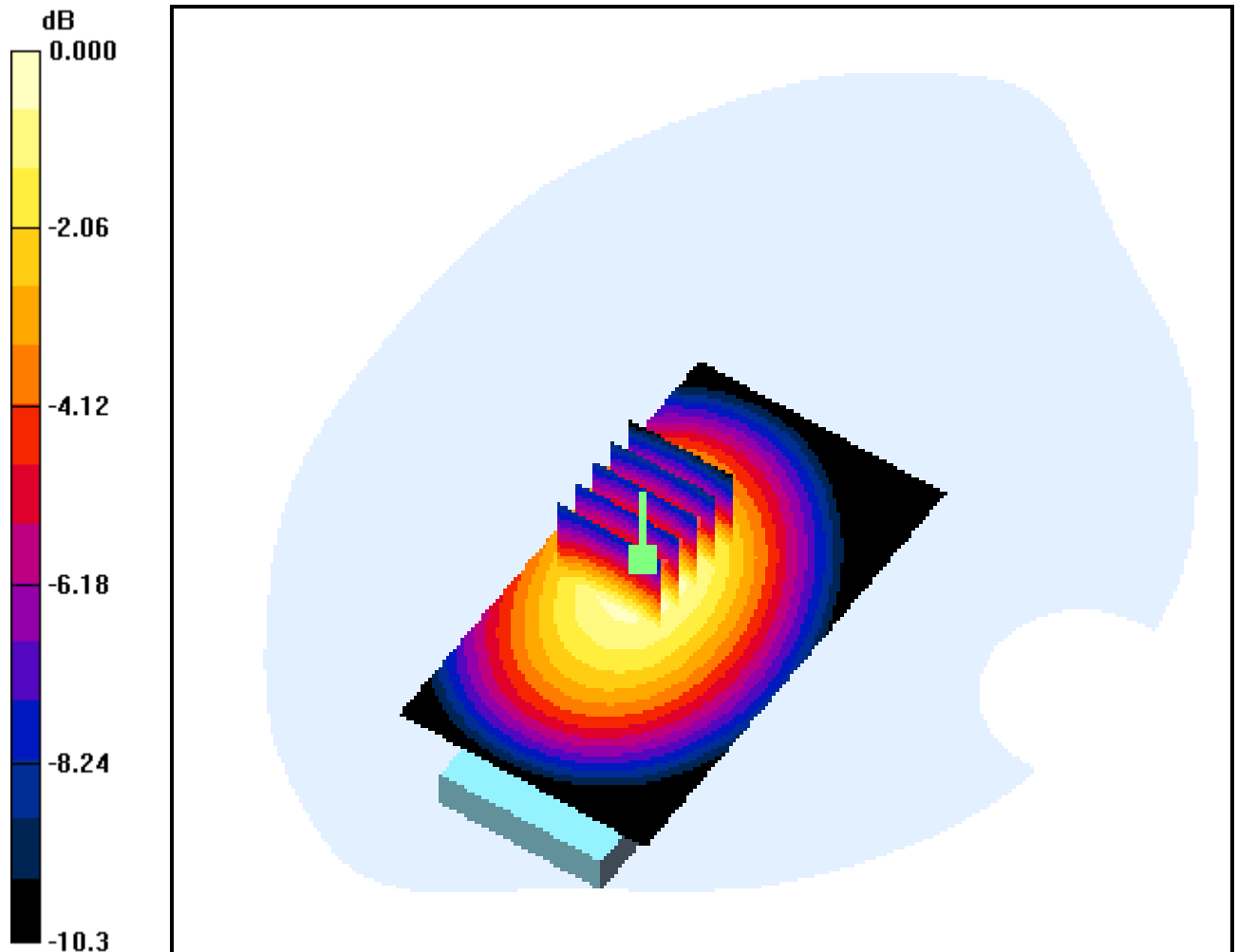
Area Scan (51x91x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

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

Power Drift = 0.000 dB

Peak SAR (extrapolated) = 0.771 W/kg

SAR(1 g) = 0.581 mW/g; SAR(10 g) = 0.411 mW/g



0 dB = 0.618mW/g

DIGITAL EMC CO., LTD

DUT: i230; Type: Bar Type

Communication System: PCS1900; Frequency: 1850.2 MHz; Duty Cycle: 1:8.3
Medium parameters used: $f = 1850.2 \text{ MHz}$; $\sigma = 1.36 \text{ mho/m}$; $\epsilon_r = 40$; $\rho = 1000 \text{ kg/m}^3$
Phantom section: Right Section

DASY4 Configuration:

Probe: ET3DV6 - SN1702; ConvF(5.29, 5.29, 5.29); Calibrated: 2006-03-23; Electronics: DAE3 Sn520
Phantom: SAM 1800/1900 MHz; Type: SAM; Serial: TP-1224
Measurement SW: DASY4, V4.6 Build 23; Postprocessing SW: SEMCAD, V1.8 Build 161

Date: 2007-01-25; Ambient Temp: 20.5; Tissue Temp: 21.0

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

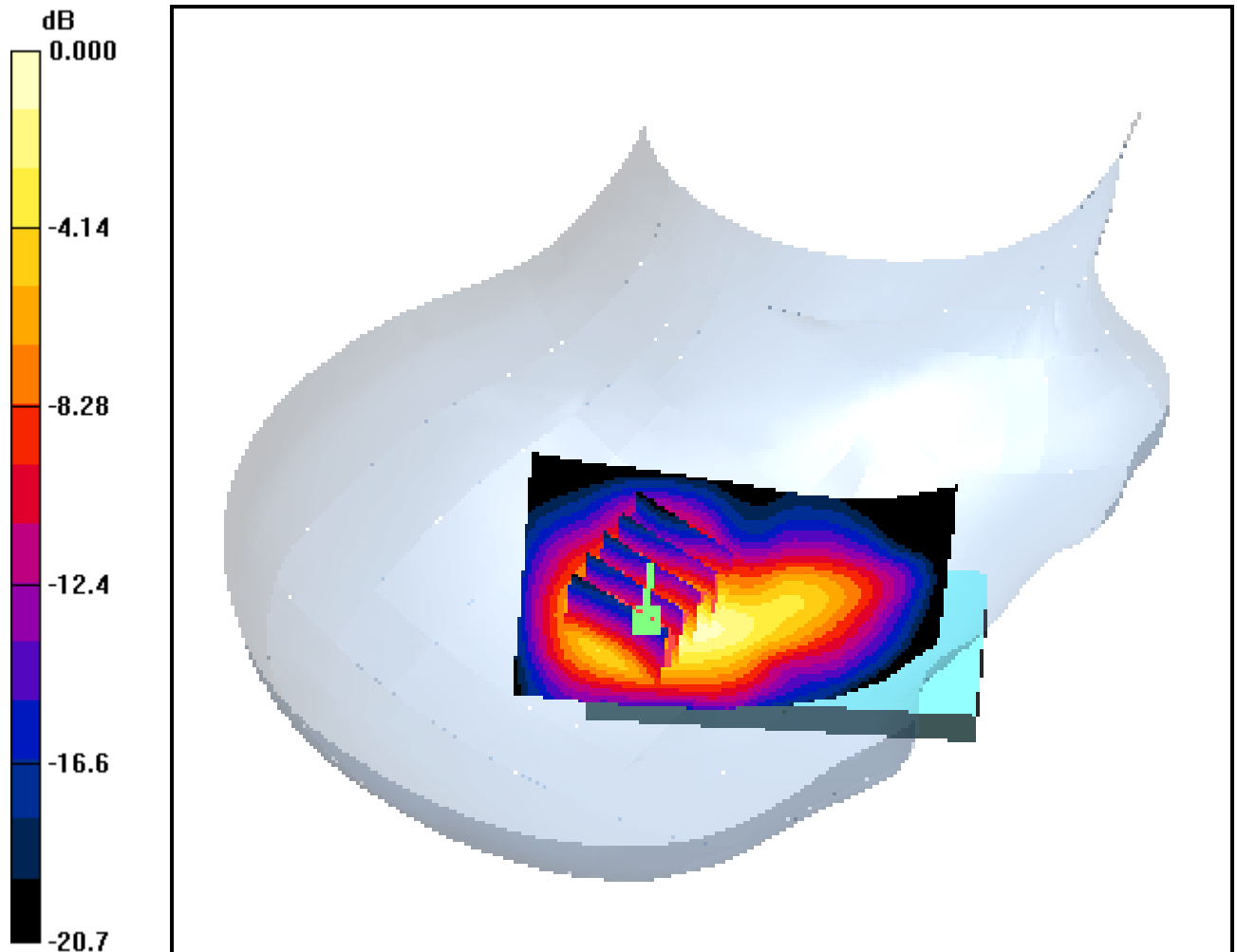
Area Scan (51x81x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

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

Power Drift = -0.034 dB

Peak SAR (extrapolated) = 2.35 W/kg

SAR(1 g) = 1.12 mW/g; SAR(10 g) = 0.564 mW/g



0 dB = 1.21mW/g

DIGITAL EMC CO., LTD

DUT: i230; Type: Bar Type

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

Medium parameters used: $f = 1880 \text{ MHz}$; $\sigma = 1.39 \text{ mho/m}$; $\epsilon_r = 39.9$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Right Section

DASY4 Configuration:

Probe: ET3DV6 - SN1702; ConvF(5.29, 5.29, 5.29); Calibrated: 2006-03-23; Electronics: DAE3 Sn520

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

Measurement SW: DASY4, V4.6 Build 23; Postprocessing SW: SEMCAD, V1.8 Build 161

Date: 2007-01-25; Ambient Temp: 20.5; Tissue Temp: 21.0

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

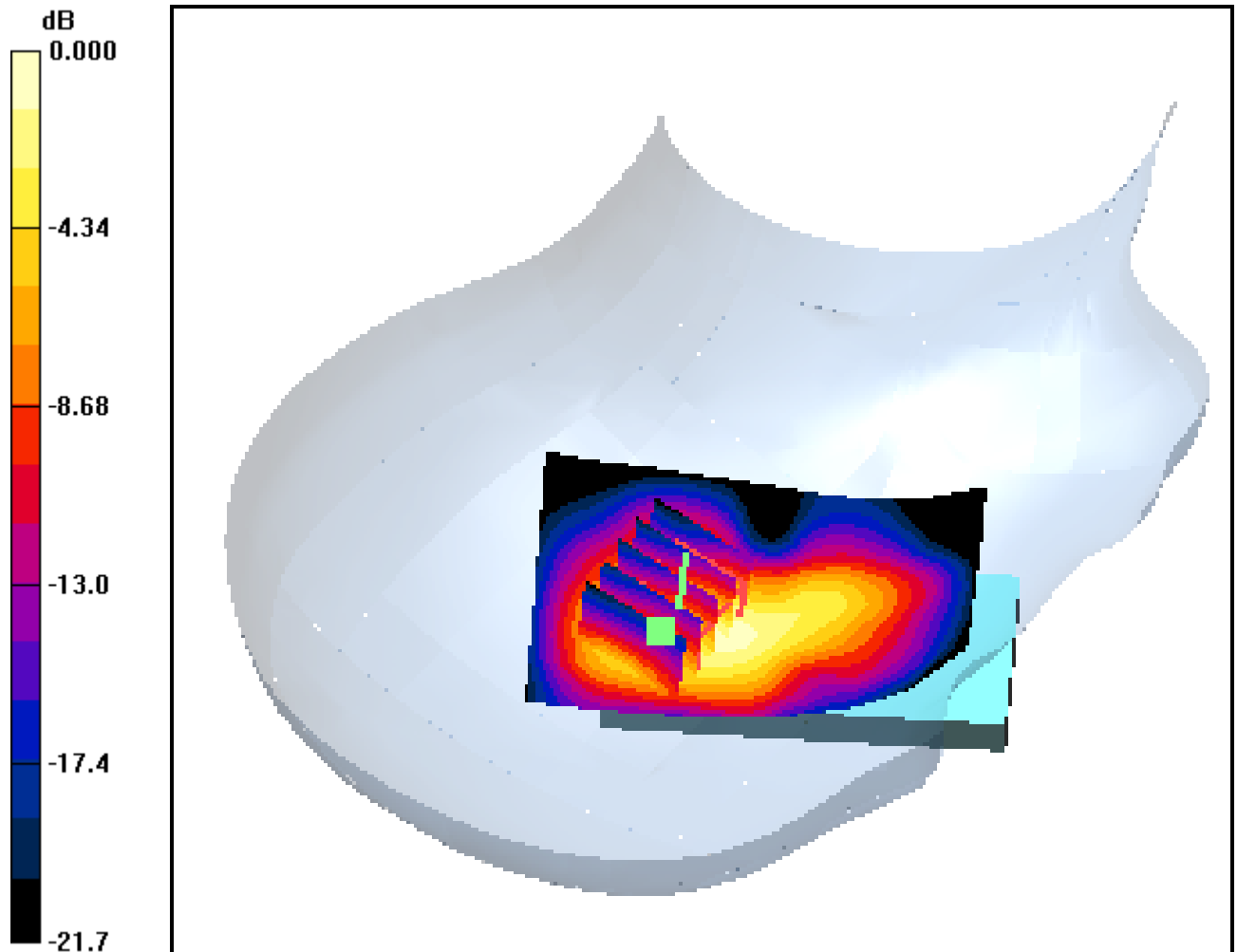
Area Scan (51x81x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

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

Power Drift = -0.003 dB

Peak SAR (extrapolated) = 2.10 W/kg

SAR(1 g) = 0.956 mW/g; SAR(10 g) = 0.481 mW/g



0 dB = 1.04mW/g

DIGITAL EMC CO., LTD

DUT: i230; Type: Bar Type

Communication System: PCS1900; Frequency: 1909.8 MHz; Duty Cycle: 1:8.3
Medium parameters used: $f = 1909.8 \text{ MHz}$; $\sigma = 1.42 \text{ mho/m}$; $\epsilon_r = 39.8$; $\rho = 1000 \text{ kg/m}^3$
Phantom section: Right Section

DASY4 Configuration:

Probe: ET3DV6 - SN1702; ConvF(5.29, 5.29, 5.29); Calibrated: 2006-03-23; Electronics: DAE3 Sn520
Phantom: SAM 1800/1900 MHz; Type: SAM; Serial: TP-1224
Measurement SW: DASY4, V4.6 Build 23; Postprocessing SW: SEMCAD, V1.8 Build 161

Date: 2007-01-25; Ambient Temp: 20.5; Tissue Temp: 21.0

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

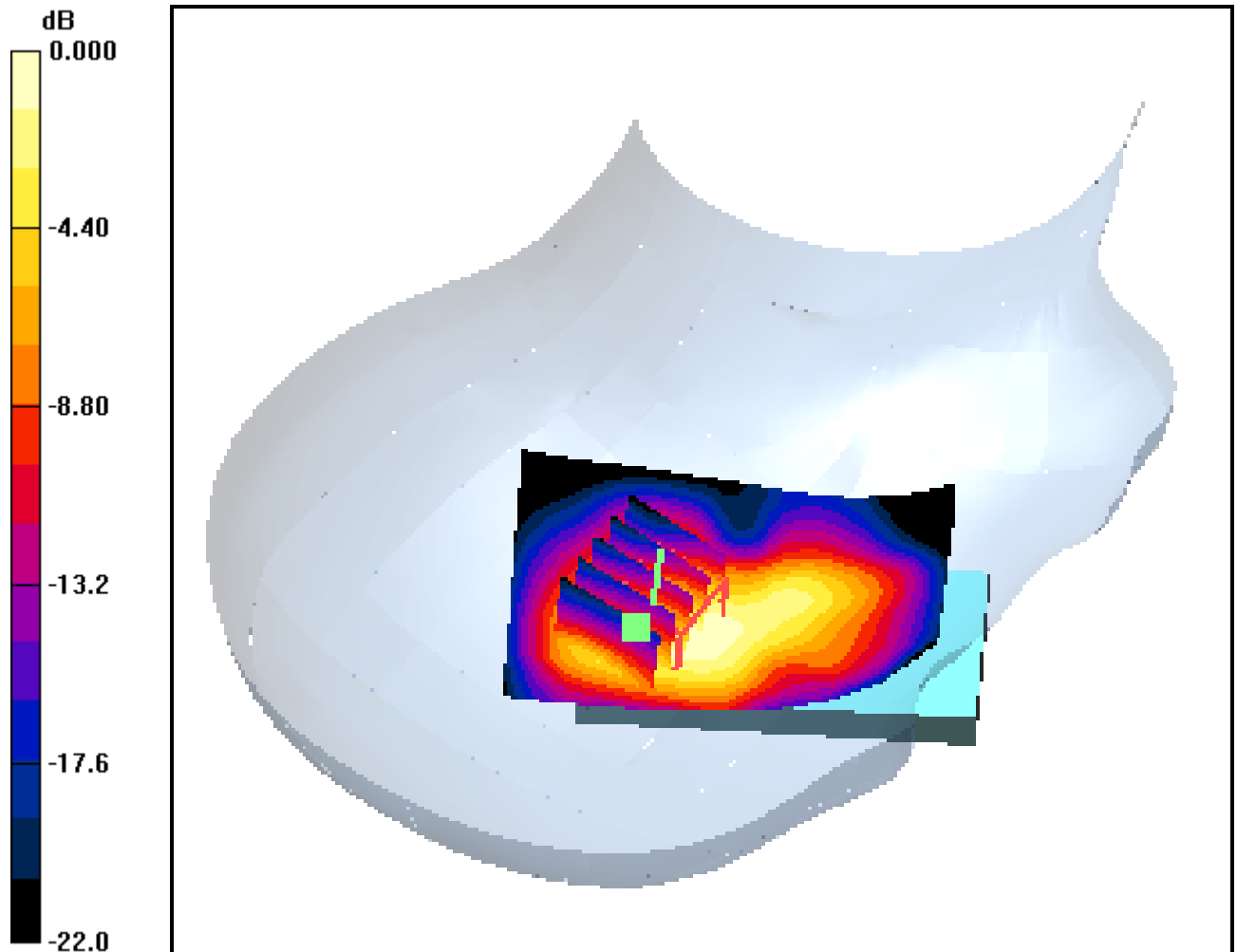
Area Scan (51x81x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

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

Power Drift = -0.028 dB

Peak SAR (extrapolated) = 1.71 W/kg

SAR(1 g) = 0.765 mW/g; SAR(10 g) = 0.391 mW/g



0 dB = 0.841mW/g

DIGITAL EMC CO., LTD

DUT: i230; Type: Bar Type

Communication System: PCS1900; Frequency: 1850.2 MHz; Duty Cycle: 1:8.3
Medium parameters used: $f = 1850.2 \text{ MHz}$; $\sigma = 1.36 \text{ mho/m}$; $\epsilon_r = 40$; $\rho = 1000 \text{ kg/m}^3$
Phantom section: Right Section

DASY4 Configuration:

Probe: ET3DV6 - SN1702; ConvF(5.29, 5.29, 5.29); Calibrated: 2006-03-23; Electronics: DAE3 Sn520
Phantom: SAM 1800/1900 MHz; Type: SAM; Serial: TP-1224
Measurement SW: DASY4, V4.6 Build 23; Postprocessing SW: SEMCAD, V1.8 Build 161

Date: 2007-01-25; Ambient Temp: 20.5; Tissue Temp: 21.0

Right Tilt PCS Ch.512, Ant Intenna, Standard Battery

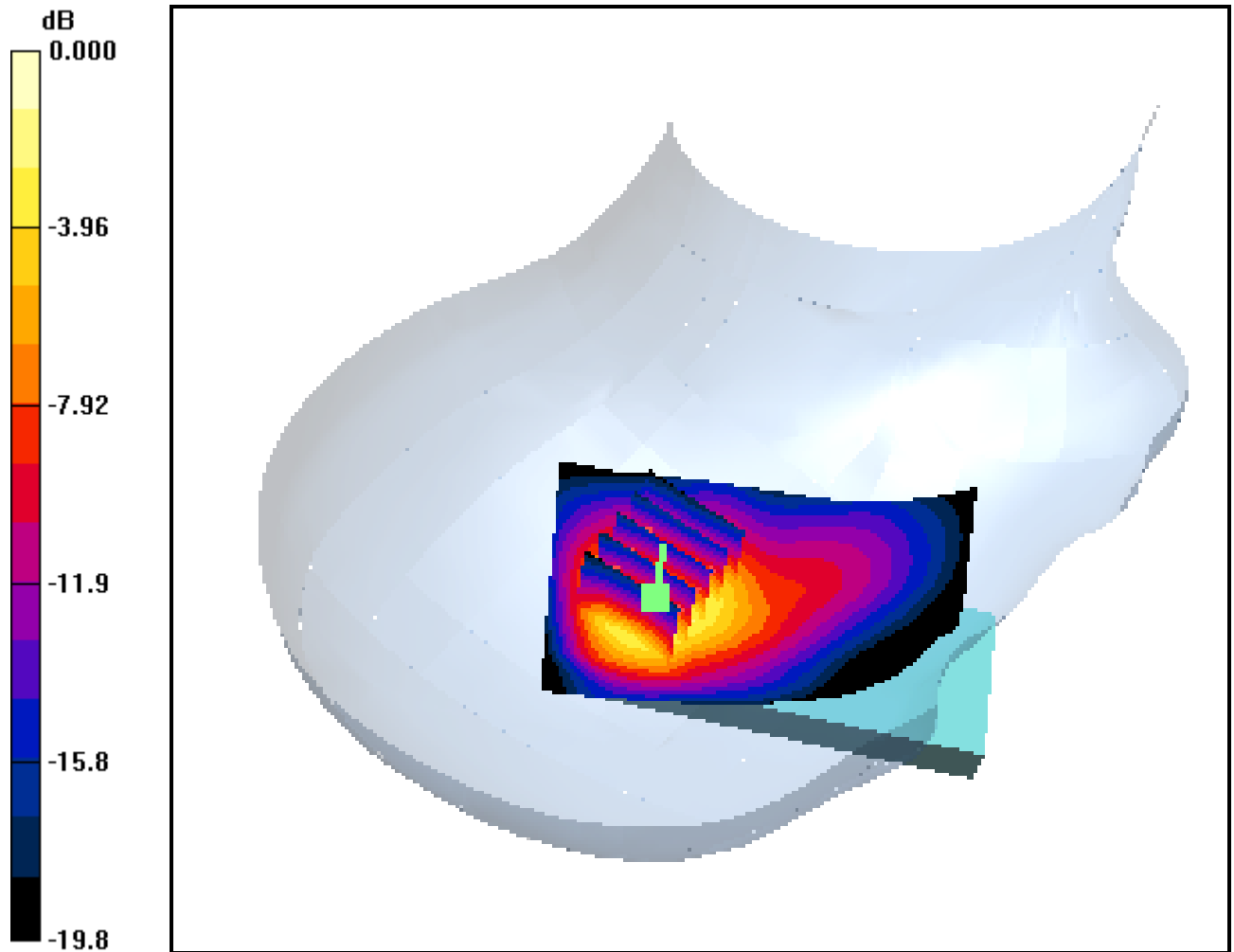
Area Scan (51x81x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

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

Power Drift = 0.002 dB

Peak SAR (extrapolated) = 1.75 W/kg

SAR(1 g) = 0.880 mW/g; SAR(10 g) = 0.437 mW/g



0 dB = 1.01mW/g

DIGITAL EMC CO., LTD

DUT: i230; Type: Bar Type

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

Medium parameters used: $f = 1880 \text{ MHz}$; $\sigma = 1.39 \text{ mho/m}$; $\epsilon_r = 39.9$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Right Section

DASY4 Configuration:

Probe: ET3DV6 - SN1702; ConvF(5.29, 5.29, 5.29); Calibrated: 2006-03-23; Electronics: DAE3 Sn520

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

Measurement SW: DASY4, V4.6 Build 23; Postprocessing SW: SEMCAD, V1.8 Build 161

Date: 2007-01-25; Ambient Temp: 20.5; Tissue Temp: 21.0

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

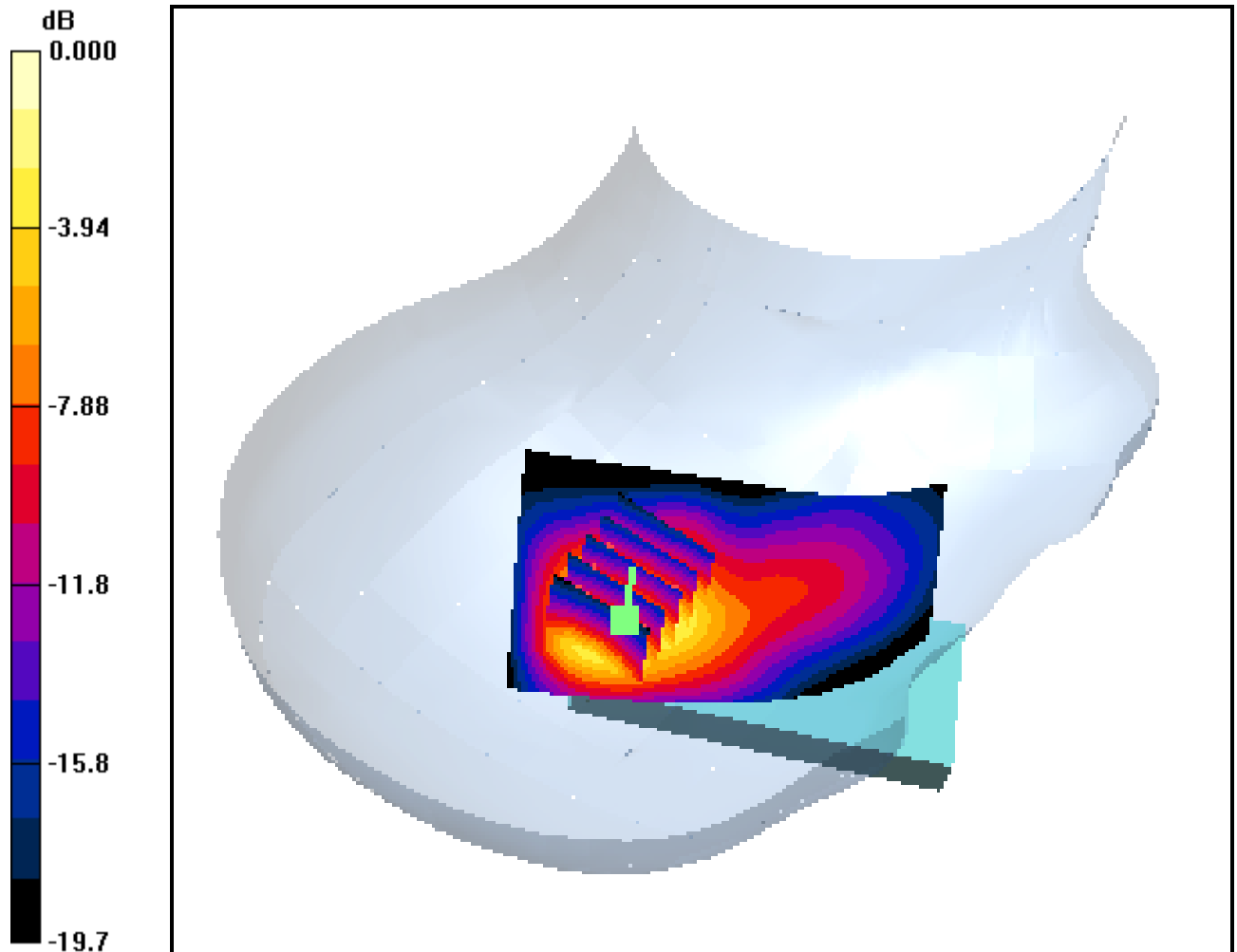
Area Scan (51x81x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

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

Power Drift = -0.074 dB

Peak SAR (extrapolated) = 1.47 W/kg

SAR(1 g) = 0.731 mW/g; SAR(10 g) = 0.362 mW/g



0 dB = 0.776mW/g

DIGITAL EMC CO., LTD

DUT: i230; Type: Bar Type

Communication System: PCS1900; Frequency: 1909.8 MHz; Duty Cycle: 1:8.3
Medium parameters used: $f = 1909.8 \text{ MHz}$; $\sigma = 1.42 \text{ mho/m}$; $\epsilon_r = 39.8$; $\rho = 1000 \text{ kg/m}^3$
Phantom section: Right Section

DASY4 Configuration:

Probe: ET3DV6 - SN1702; ConvF(5.29, 5.29, 5.29); Calibrated: 2006-03-23; Electronics: DAE3 Sn520
Phantom: SAM 1800/1900 MHz; Type: SAM; Serial: TP-1224
Measurement SW: DASY4, V4.6 Build 23; Postprocessing SW: SEMCAD, V1.8 Build 161

Date: 2007-01-25; Ambient Temp: 20.5; Tissue Temp: 21.0

Right Tilt PCS Ch.810, Ant Intenna, Standard Battery

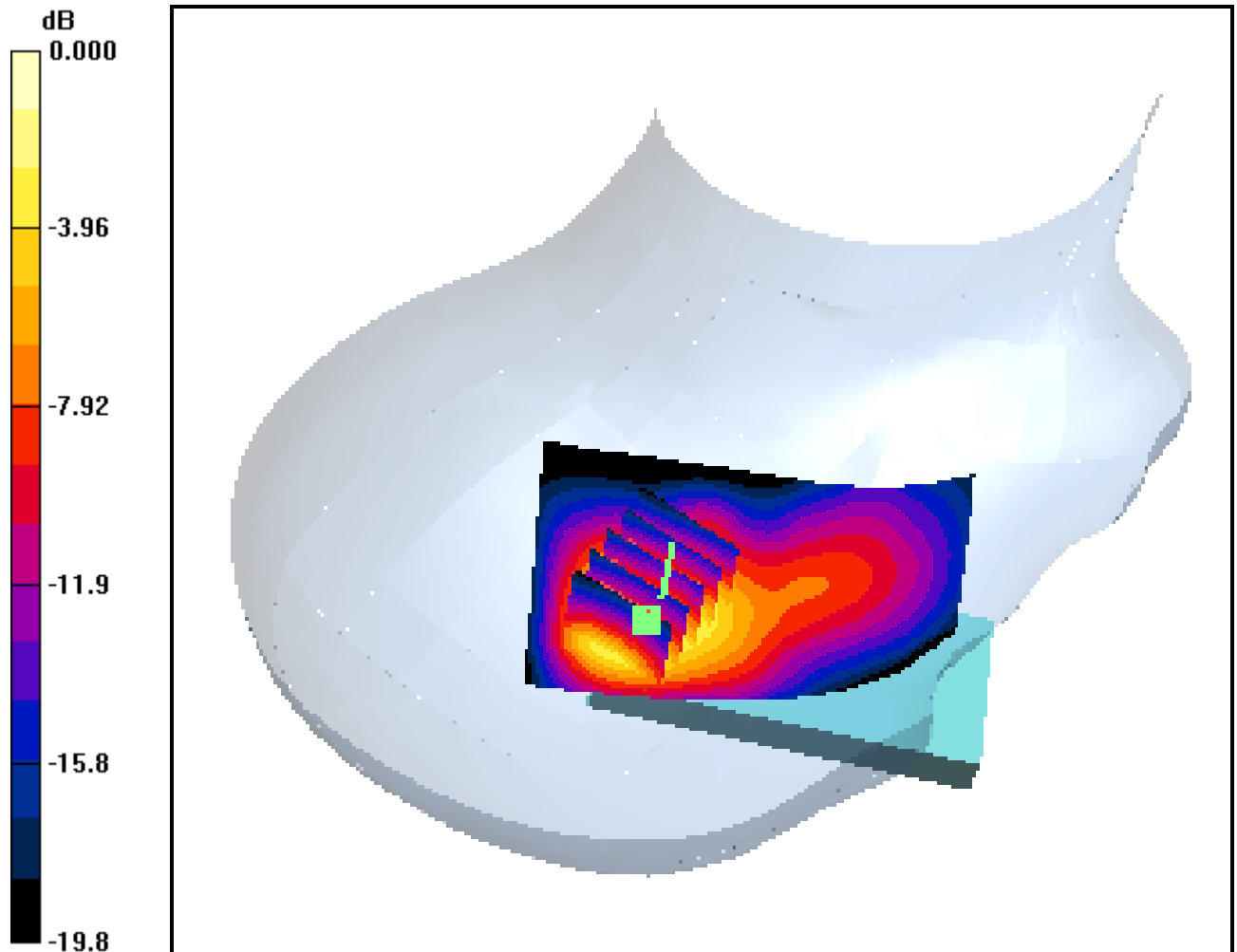
Area Scan (51x81x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

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

Power Drift = 0.013 dB

Peak SAR (extrapolated) = 1.23 W/kg

SAR(1 g) = 0.613 mW/g; SAR(10 g) = 0.305 mW/g



0 dB = 0.639mW/g

DIGITAL EMC CO., LTD

DUT: i230; Type: Bar Type

Communication System: PCS1900; Frequency: 1850.2 MHz; Duty Cycle: 1:8.3
Medium parameters used: $f = 1850.2 \text{ MHz}$; $\sigma = 1.36 \text{ mho/m}$; $\epsilon_r = 40$; $\rho = 1000 \text{ kg/m}^3$
Phantom section: Left Section

DASY4 Configuration:

Probe: ET3DV6 - SN1702; ConvF(5.29, 5.29, 5.29); Calibrated: 2006-03-23; Electronics: DAE3 Sn520
Phantom: SAM 1800/1900 MHz; Type: SAM; Serial: TP-1224
Measurement SW: DASY4, V4.6 Build 23; Postprocessing SW: SEMCAD, V1.8 Build 161

Date: 2007-01-25; Ambient Temp: 20.5; Tissue Temp: 21.0

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

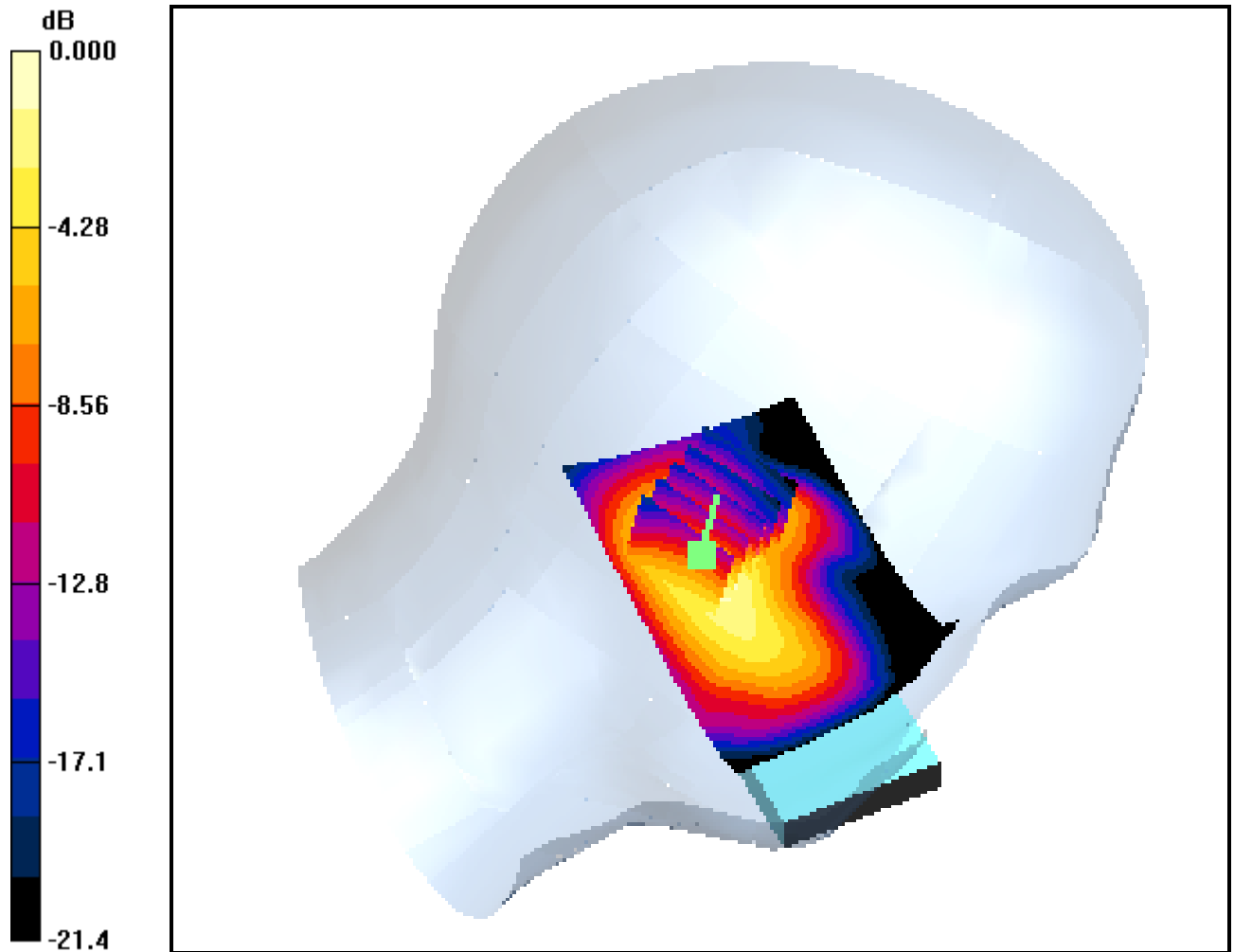
Area Scan (51x81x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

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

Power Drift = -0.069 dB

Peak SAR (extrapolated) = 1.72 W/kg

SAR(1 g) = 0.911 mW/g; SAR(10 g) = 0.478 mW/g



0 dB = 1.03mW/g

DIGITAL EMC CO., LTD

DUT: i230; Type: Bar Type

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

Medium parameters used: $f = 1880 \text{ MHz}$; $\sigma = 1.39 \text{ mho/m}$; $\epsilon_r = 39.9$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Left Section

DASY4 Configuration:

Probe: ET3DV6 - SN1702; ConvF(5.29, 5.29, 5.29); Calibrated: 2006-03-23; Electronics: DAE3 Sn520

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

Measurement SW: DASY4, V4.6 Build 23; Postprocessing SW: SEMCAD, V1.8 Build 161

Date: 2007-01-25; Ambient Temp: 20.5; Tissue Temp: 21.0

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

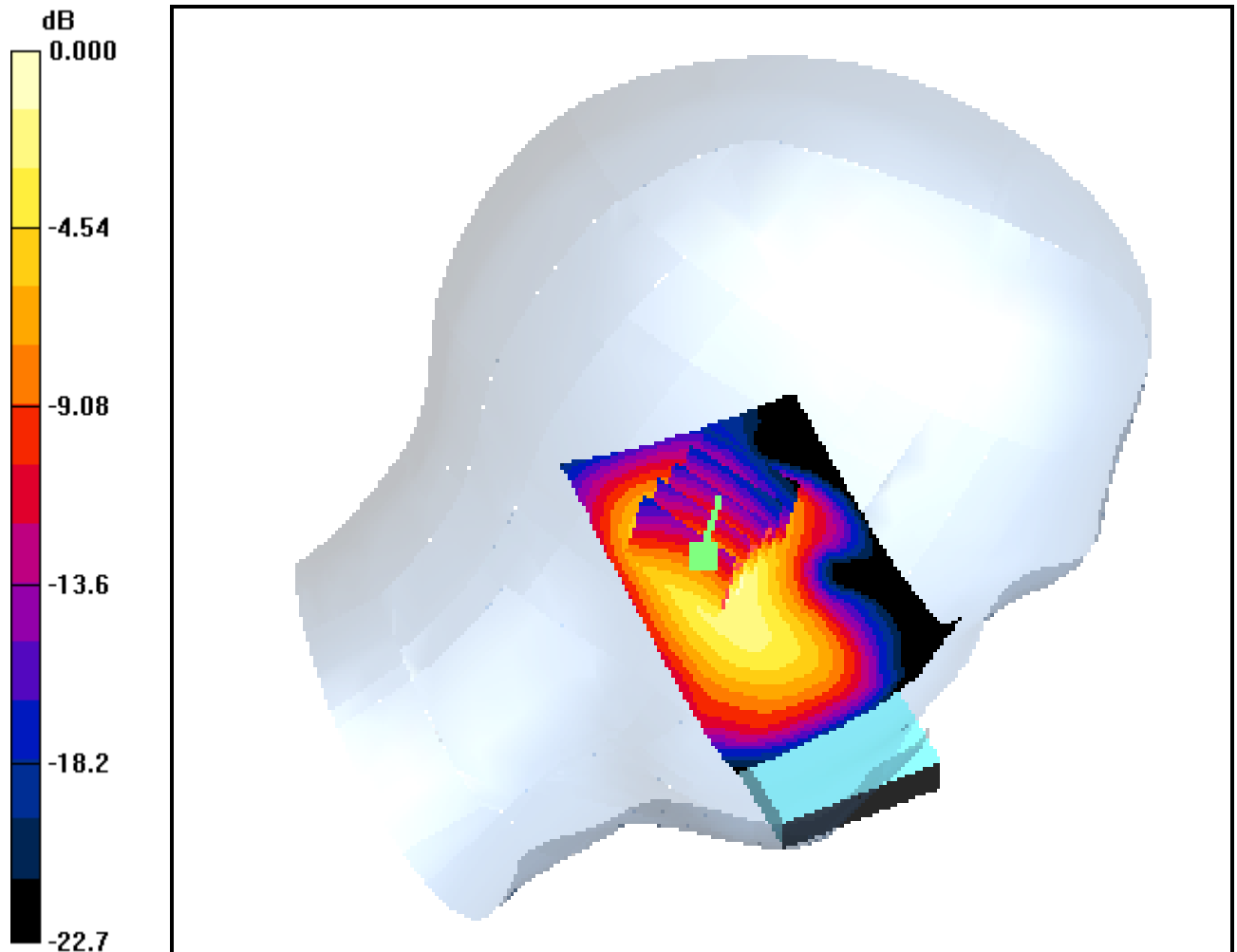
Area Scan (51x81x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

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

Power Drift = 0.010 dB

Peak SAR (extrapolated) = 1.62 W/kg

SAR(1 g) = 0.820 mW/g; SAR(10 g) = 0.421 mW/g



0 dB = 0.884mW/g

DIGITAL EMC CO., LTD

DUT: i230; Type: Bar Type

Communication System: PCS1900; Frequency: 1909.8 MHz; Duty Cycle: 1:8.3
Medium parameters used: $f = 1909.8 \text{ MHz}$; $\sigma = 1.42 \text{ mho/m}$; $\epsilon_r = 39.8$; $\rho = 1000 \text{ kg/m}^3$
Phantom section: Left Section

DASY4 Configuration:

Probe: ET3DV6 - SN1702; ConvF(5.29, 5.29, 5.29); Calibrated: 2006-03-23; Electronics: DAE3 Sn520
Phantom: SAM 1800/1900 MHz; Type: SAM; Serial: TP-1224
Measurement SW: DASY4, V4.6 Build 23; Postprocessing SW: SEMCAD, V1.8 Build 161

Date: 2007-01-25; Ambient Temp: 20.5; Tissue Temp: 21.0

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

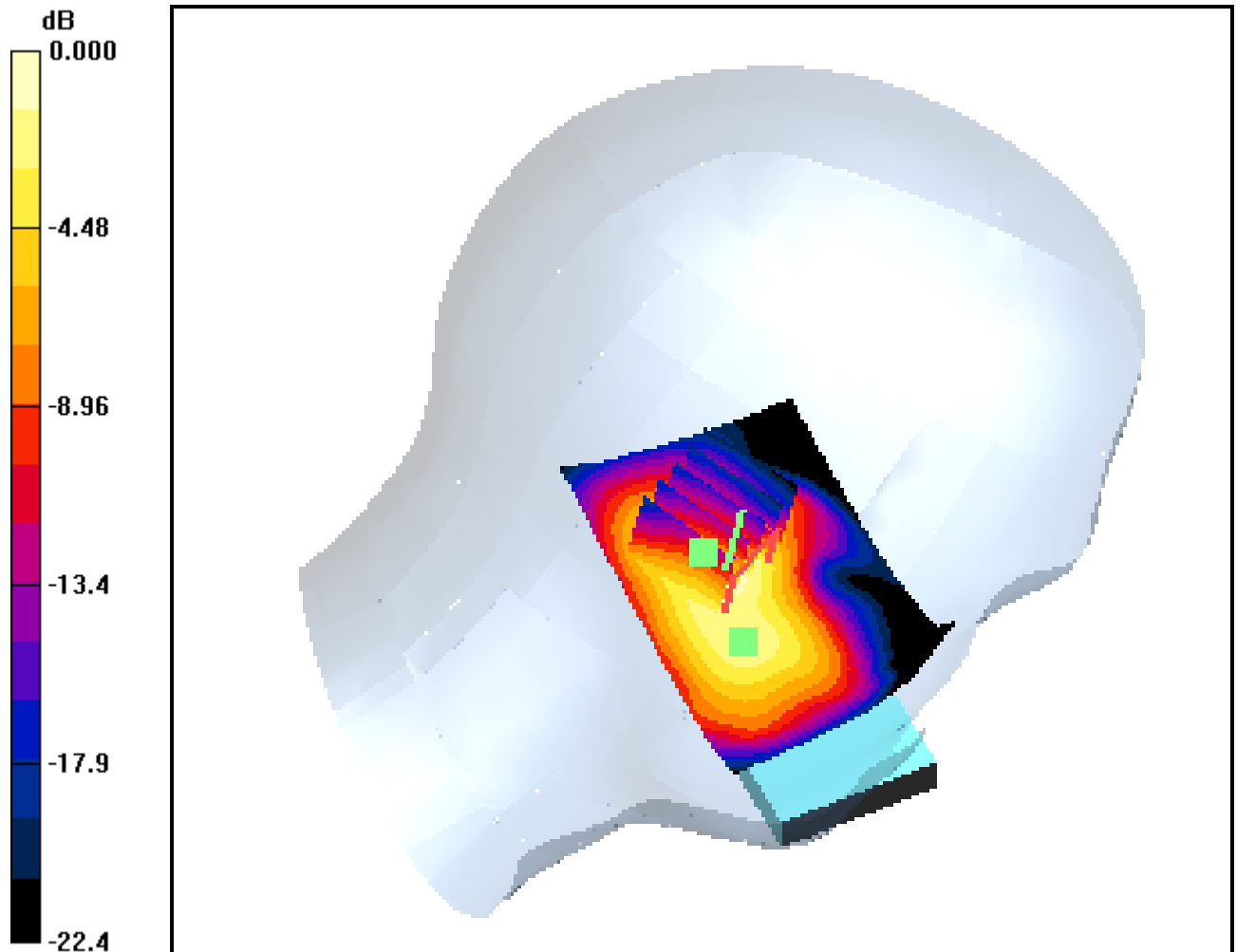
Area Scan (51x81x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

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

Power Drift = -0.018 dB

Peak SAR (extrapolated) = 1.50 W/kg

SAR(1 g) = 0.723 mW/g; SAR(10 g) = 0.363 mW/g



0 dB = 0.777mW/g

DIGITAL EMC CO., LTD

DUT: i230; Type: Bar Type

Communication System: PCS1900; Frequency: 1909.8 MHz; Duty Cycle: 1:8.3
Medium parameters used: $f = 1909.8 \text{ MHz}$; $\sigma = 1.42 \text{ mho/m}$; $\epsilon_r = 39.8$; $\rho = 1000 \text{ kg/m}^3$
Phantom section: Left Section

DASY4 Configuration:

Probe: ET3DV6 - SN1702; ConvF(5.29, 5.29, 5.29); Calibrated: 2006-03-23; Electronics: DAE3 Sn520
Phantom: SAM 1800/1900 MHz; Type: SAM; Serial: TP-1224
Measurement SW: DASY4, V4.6 Build 23; Postprocessing SW: SEMCAD, V1.8 Build 161

Date: 2007-01-25; Ambient Temp: 20.5; Tissue Temp: 21.0

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

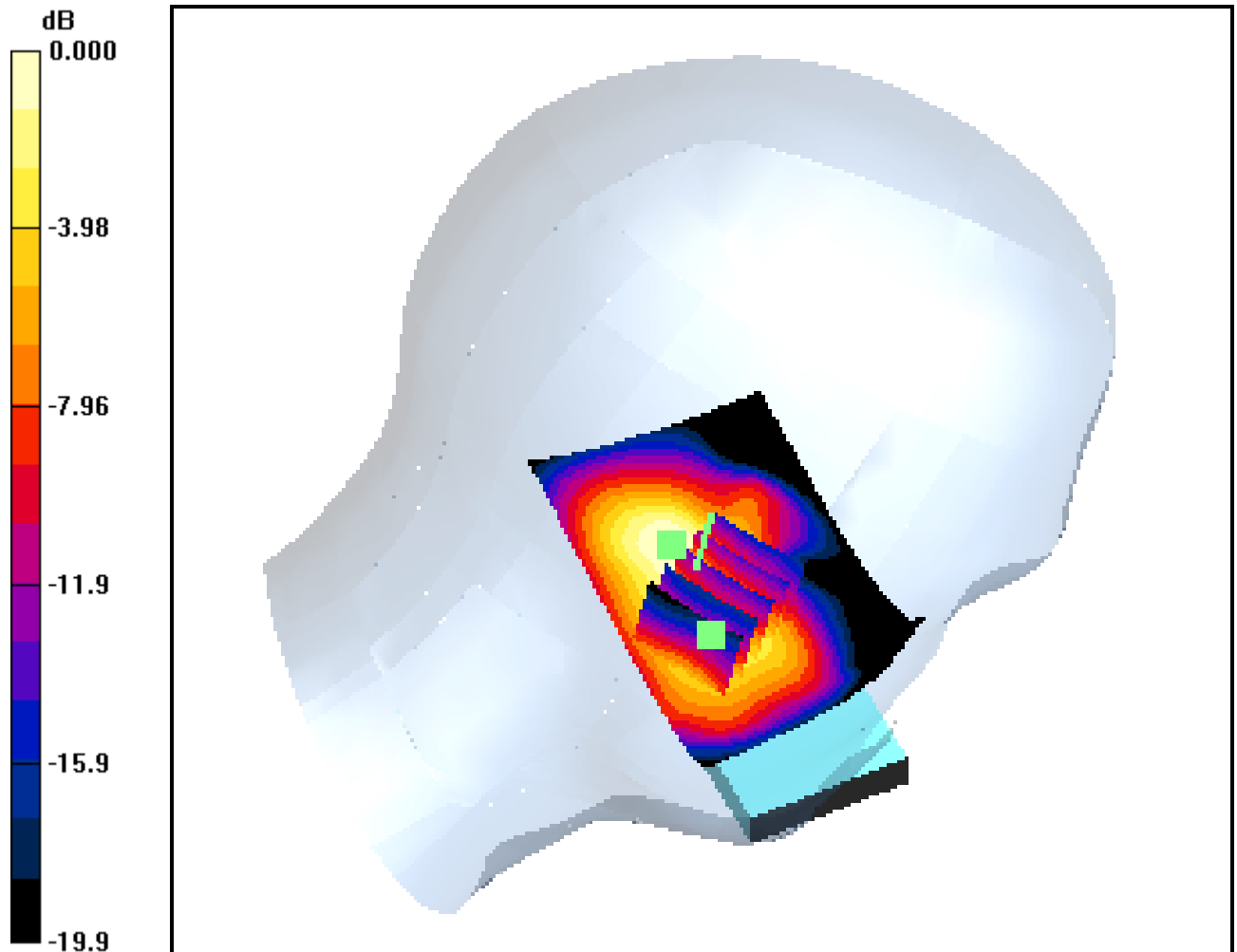
Area Scan (51x81x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

Zoom Scan (5x5x7)/Cube 1: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

Power Drift = -0.018 dB

Peak SAR (extrapolated) = 0.860 W/kg

SAR(1 g) = 0.491 mW/g; SAR(10 g) = 0.289 mW/g



0 dB = 0.690mW/g

DIGITAL EMC CO., LTD

DUT: i230; Type: Bar Type

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

Medium parameters used: $f = 1880 \text{ MHz}$; $\sigma = 1.39 \text{ mho/m}$; $\epsilon_r = 39.9$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Left Section

DASY4 Configuration:

Probe: ET3DV6 - SN1702; ConvF(5.29, 5.29, 5.29); Calibrated: 2006-03-23; Electronics: DAE3 Sn520

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

Measurement SW: DASY4, V4.6 Build 23; Postprocessing SW: SEMCAD, V1.8 Build 161

Date: 2007-01-25; Ambient Temp: 20.5; Tissue Temp: 21.0

Left Tilt PCS Ch.512, Ant Intenna, Standard Battery

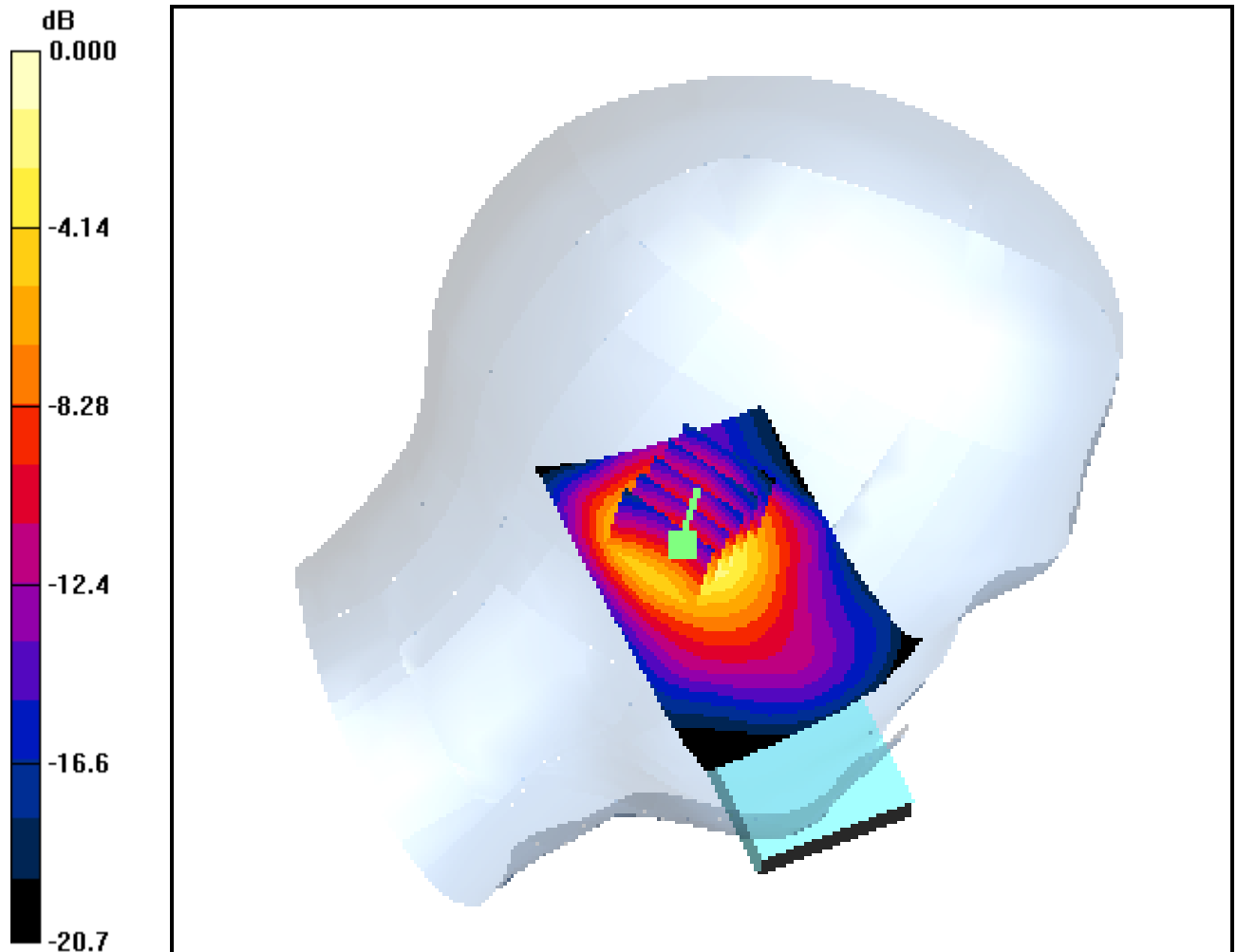
Area Scan (51x81x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

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

Power Drift = 0.005 dB

Peak SAR (extrapolated) = 1.30 W/kg

SAR(1 g) = 0.728 mW/g; SAR(10 g) = 0.383 mW/g



0 dB = 0.829mW/g

DIGITAL EMC CO., LTD

DUT: i230; Type: Bar Type

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

Medium parameters used: $f = 1880 \text{ MHz}$; $\sigma = 1.39 \text{ mho/m}$; $\epsilon_r = 39.9$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Left Section

DASY4 Configuration:

Probe: ET3DV6 - SN1702; ConvF(5.29, 5.29, 5.29); Calibrated: 2006-03-23; Electronics: DAE3 Sn520

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

Measurement SW: DASY4, V4.6 Build 23; Postprocessing SW: SEMCAD, V1.8 Build 161

Date: 2007-01-25; Ambient Temp: 20.5; Tissue Temp: 21.0

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

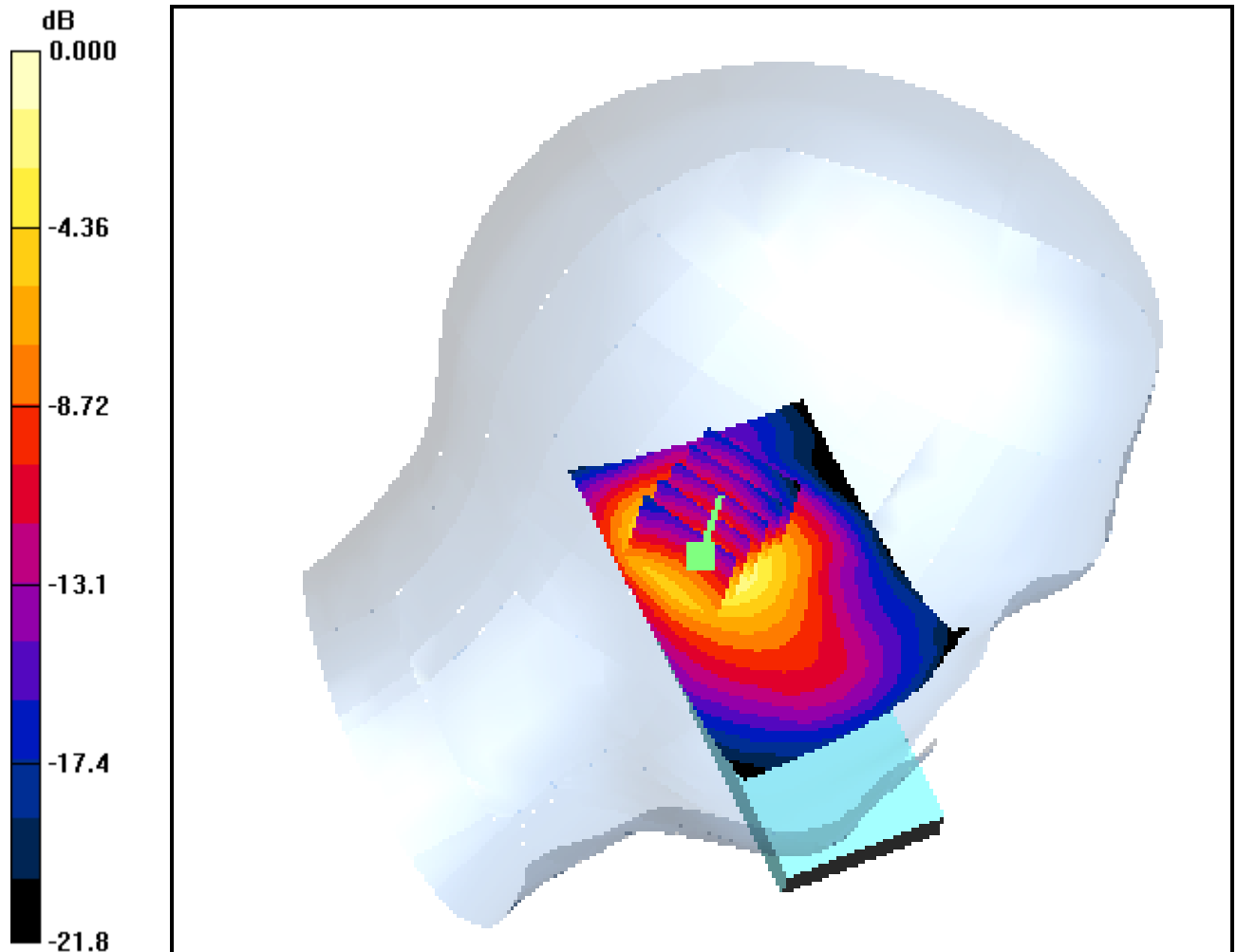
Area Scan (51x81x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

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

Power Drift = -0.034 dB

Peak SAR (extrapolated) = 1.13 W/kg

SAR(1 g) = 0.621 mW/g; SAR(10 g) = 0.323 mW/g



0 dB = 0.691mW/g

DIGITAL EMC CO., LTD

DUT: i230; Type: Bar Type

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

Medium parameters used: $f = 1880 \text{ MHz}$; $\sigma = 1.39 \text{ mho/m}$; $\epsilon_r = 39.9$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Left Section

DASY4 Configuration:

Probe: ET3DV6 - SN1702; ConvF(5.29, 5.29, 5.29); Calibrated: 2006-03-23; Electronics: DAE3 Sn520

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

Measurement SW: DASY4, V4.6 Build 23; Postprocessing SW: SEMCAD, V1.8 Build 161

Date: 2007-01-25; Ambient Temp: 20.5; Tissue Temp: 21.0

Left Tilt PCS Ch.810, Ant Intenna, Standard Battery

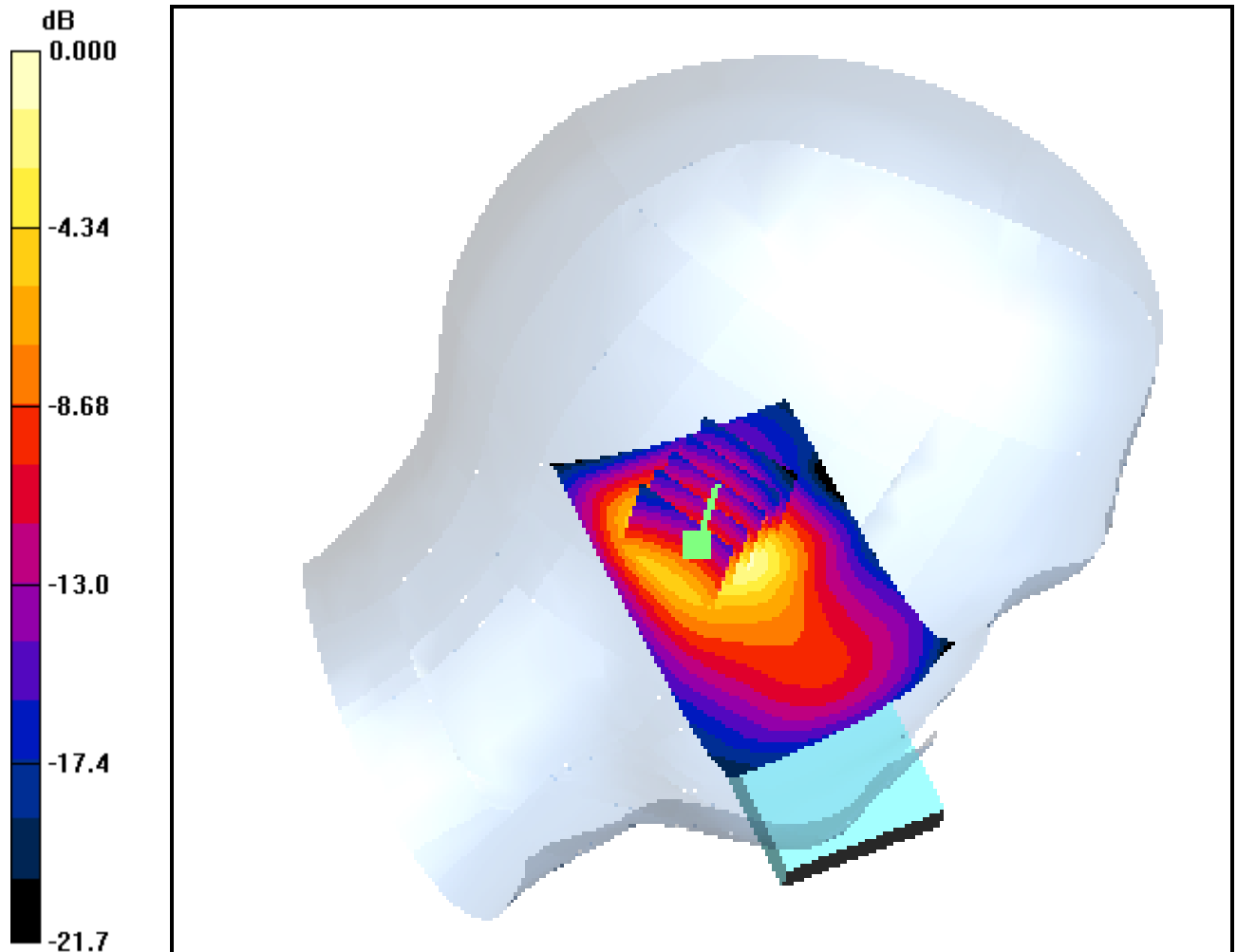
Area Scan (51x81x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

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

Power Drift = -0.059 dB

Peak SAR (extrapolated) = 0.902 W/kg

SAR(1 g) = 0.489 mW/g; SAR(10 g) = 0.250 mW/g



0 dB = 0.539mW/g

DIGITAL EMC CO., LTD

DUT: i230; Type: Bar Type

Communication System: PCS1900; Frequency: 1850.2 MHz; Duty Cycle: 1:8.3
Medium parameters used: $f = 1850.2 \text{ MHz}$; $\sigma = 1.36 \text{ mho/m}$; $\epsilon_r = 40$; $\rho = 1000 \text{ kg/m}^3$
Phantom section: Right Section

DASY4 Configuration:

Probe: ET3DV6 - SN1702; ConvF(5.29, 5.29, 5.29); Calibrated: 2006-03-23; Electronics: DAE3 Sn520
Phantom: SAM 1800/1900 MHz; Type: SAM; Serial: TP-1224
Measurement SW: DASY4, V4.6 Build 23; Postprocessing SW: SEMCAD, V1.8 Build 161

Date: 2007-01-25; Ambient Temp: 20.5; Tissue Temp: 21.0

Right Touch PCS Ch.512, Ant Intenna, Standard Battery With BT On

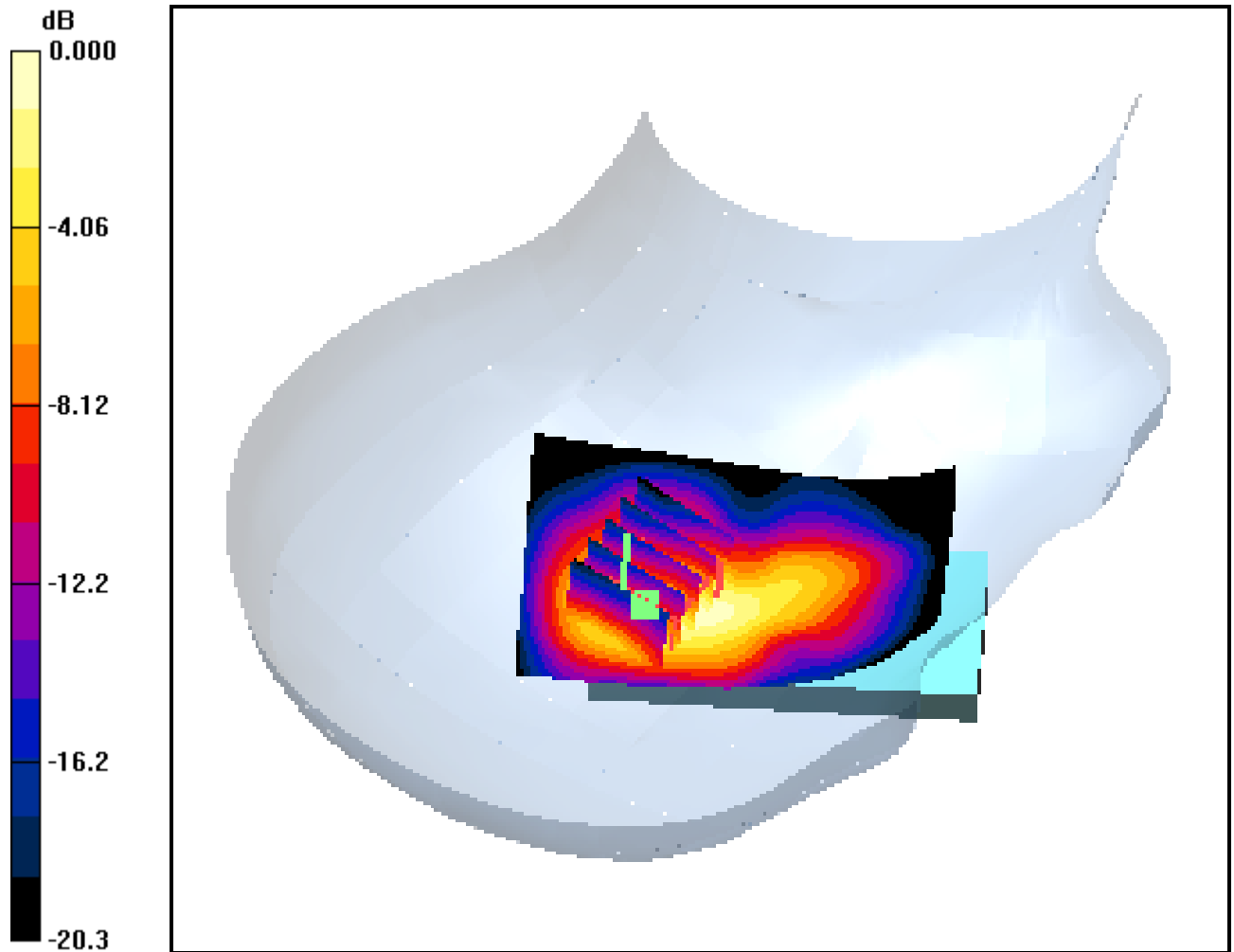
Area Scan (51x81x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

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

Power Drift = 0.023 dB

Peak SAR (extrapolated) = 2.38 W/kg

SAR(1 g) = 1.11 mW/g; SAR(10 g) = 0.569 mW/g



0 dB = 1.19mW/g

DIGITAL EMC CO., LTD

DUT: i230; Type: Bar Type

Communication System: PCS1900; Frequency: 1850.2 MHz; Duty Cycle: 1:4.15

Medium parameters used: $f = 1850.2 \text{ MHz}$; $\sigma = 1.5 \text{ mho/m}$; $\epsilon_r = 53.5$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

DASY4 Configuration:

Probe: ET3DV6 - SN1702; ConvF(4.76, 4.76, 4.76); Calibrated: 2006-03-23; Electronics: DAE3 Sn520

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

Measurement SW: DASY4, V4.6 Build 23; Postprocessing SW: SEMCAD, V1.8 Build 161

Test Date: 2007-01-27; Ambient Temp: 21.0; Tissue Temp: 21.5

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

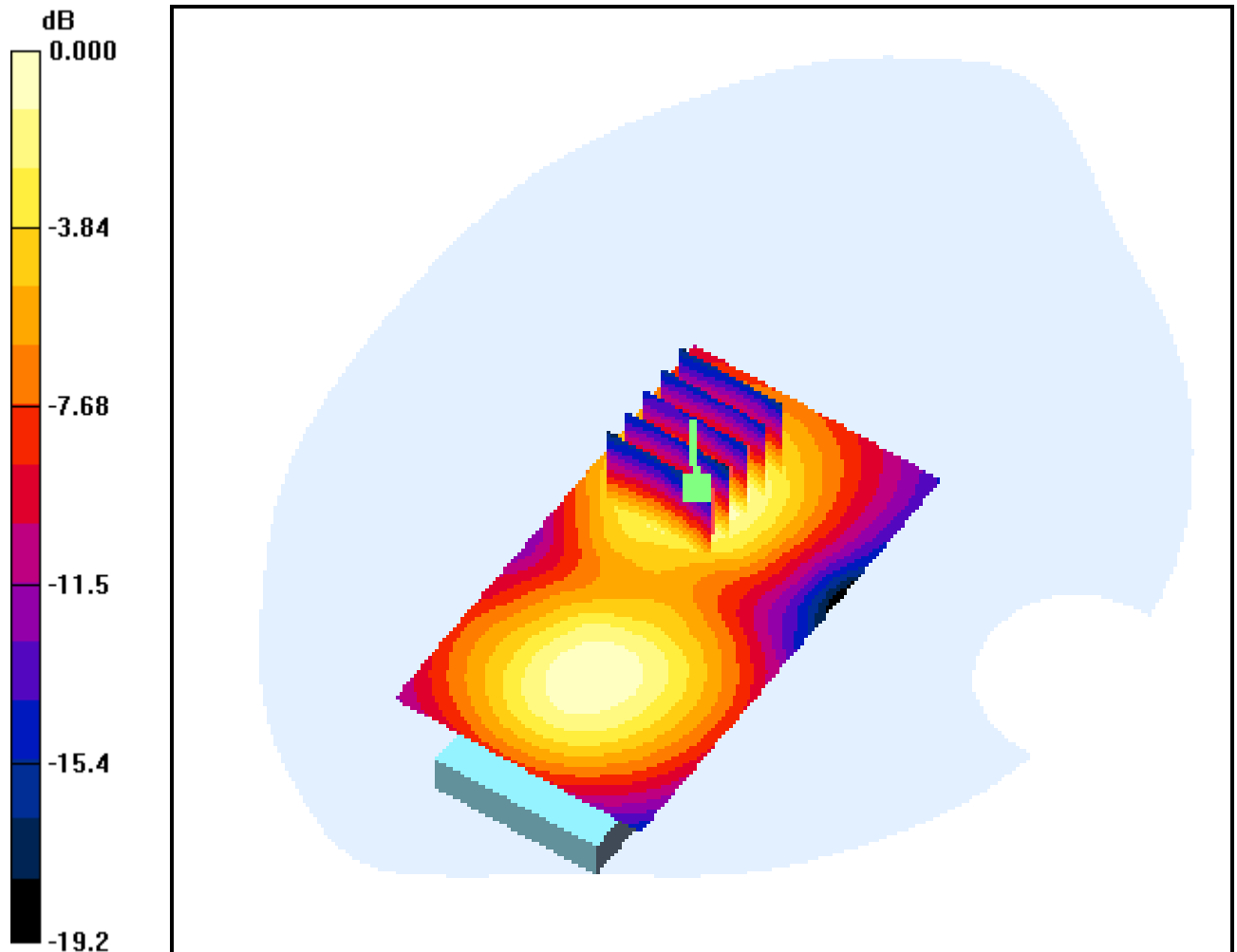
Area Scan (51x91x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

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

Power Drift = -0.180 dB

Peak SAR (extrapolated) = 0.504 W/kg

SAR(1 g) = 0.278 mW/g; SAR(10 g) = 0.153 mW/g



0 dB = 0.301mW/g

DIGITAL EMC CO., LTD

DUT: i230; Type: Bar Type

Communication System: PCS1900; Frequency: 1880 MHz; Duty Cycle: 1:4.15
Medium parameters used: $f = 1880 \text{ MHz}$; $\sigma = 1.53 \text{ mho/m}$; $\epsilon_r = 53.5$; $\rho = 1000 \text{ kg/m}^3$
Phantom section: Flat Section

DASY4 Configuration:

Probe: ET3DV6 - SN1702; ConvF(4.76, 4.76, 4.76); Calibrated: 2006-03-23; Electronics: DAE3 Sn520
Phantom: SAM 1800/1900 MHz; Type: SAM; Serial: TP-1224
Measurement SW: DASY4, V4.6 Build 23; Postprocessing SW: SEMCAD, V1.8 Build 161

Test Date: 2007-01-27; Ambient Temp: 21.0; Tissue Temp: 21.5

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

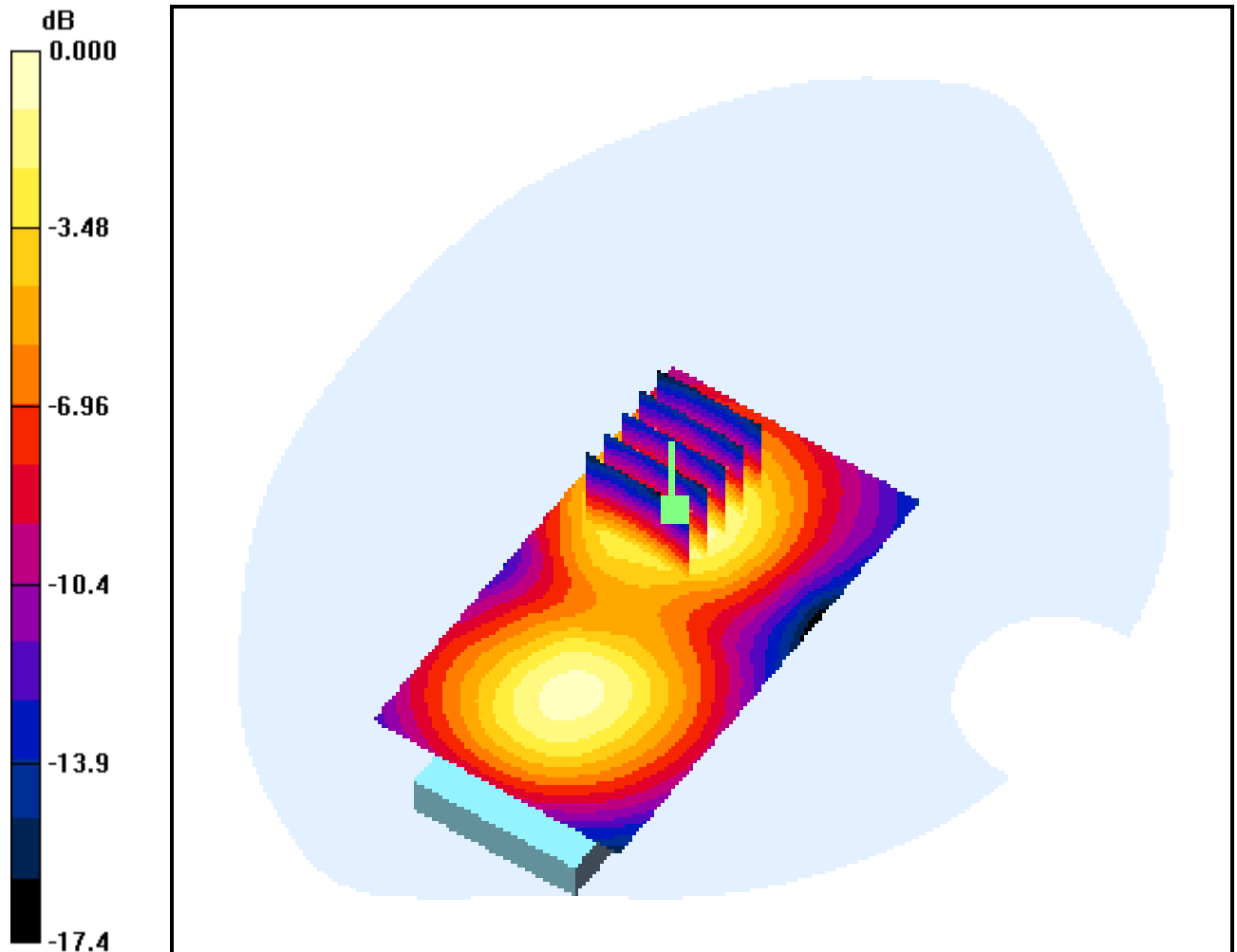
Area Scan (51x91x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

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

Power Drift = -0.036 dB

Peak SAR (extrapolated) = 0.688 W/kg

SAR(1 g) = 0.389 mW/g; SAR(10 g) = 0.221 mW/g



0 dB = 0.422mW/g

DIGITAL EMC CO., LTD

DUT: i230; Type: Bar Type

Communication System: PCS1900; Frequency: 1909.8 MHz; Duty Cycle: 1:4.15

Medium parameters used (interpolated): $f = 1909.8$ MHz; $\sigma = 1.56$ mho/m; $\epsilon_r = 53.4$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY4 Configuration:

Probe: ET3DV6 - SN1702; ConvF(4.76, 4.76, 4.76); Calibrated: 2006-03-23; Electronics: DAE3 Sn520

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

Measurement SW: DASY4, V4.6 Build 23; Postprocessing SW: SEMCAD, V1.8 Build 161

Test Date: 2007-01-27; Ambient Temp: 21.0; Tissue Temp: 21.5

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

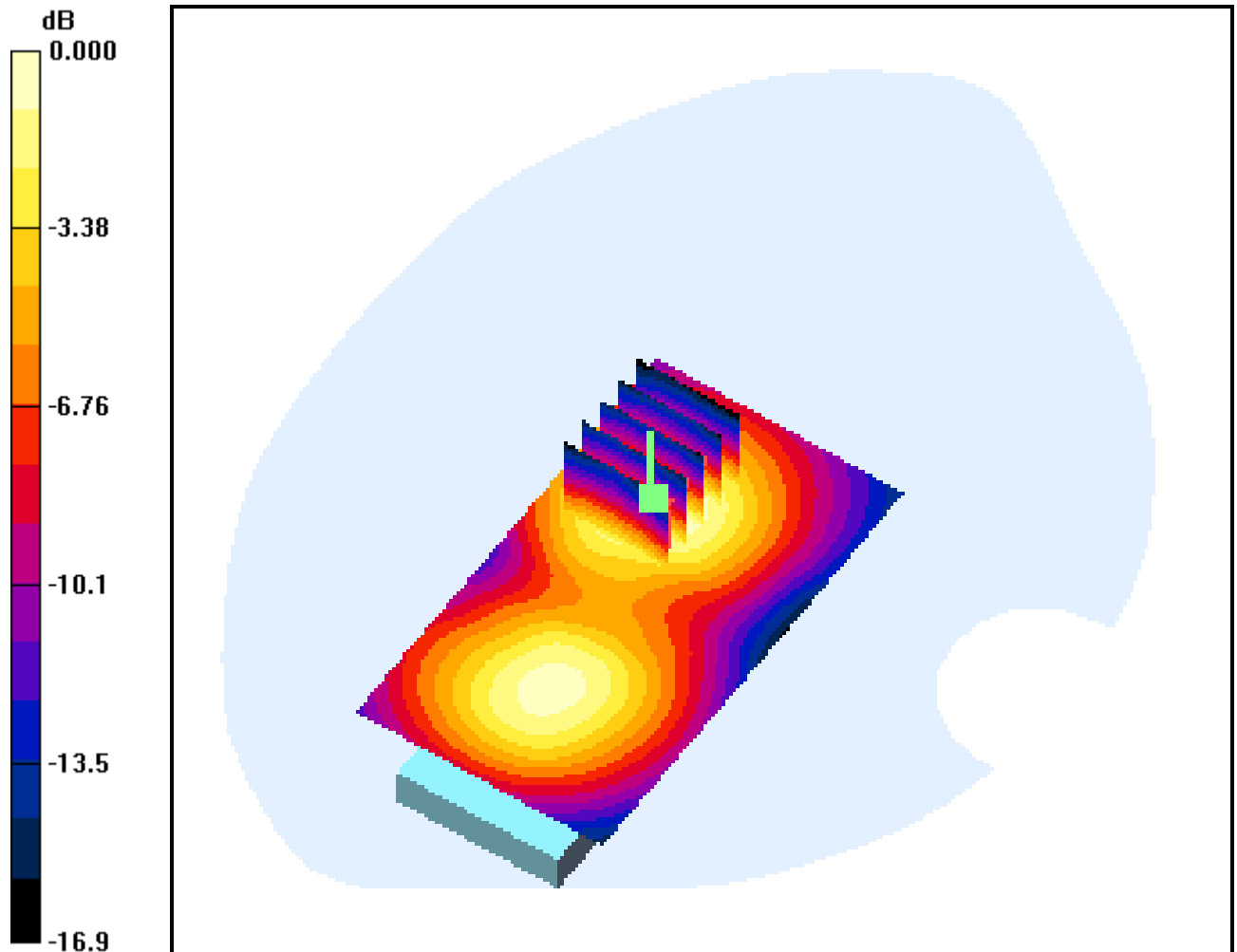
Area Scan (51x91x1): Measurement grid: dx=15mm, dy=15mm

Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Power Drift = -0.025 dB

Peak SAR (extrapolated) = 0.642 W/kg

SAR(1 g) = 0.363 mW/g; SAR(10 g) = 0.206 mW/g



0 dB = 0.393mW/g

DIGITAL EMC CO., LTD

DUT: i230; Type: Bar Type

Communication System: PCS1900; Frequency: 1880 MHz; Duty Cycle: 1:4.15
Medium parameters used: $f = 1880 \text{ MHz}$; $\sigma = 1.53 \text{ mho/m}$; $\epsilon_r = 53.5$; $\rho = 1000 \text{ kg/m}^3$
Phantom section: Flat Section

DASY4 Configuration:

Probe: ET3DV6 - SN1702; ConvF(4.76, 4.76, 4.76); Calibrated: 2006-03-23; Electronics: DAE3 Sn520
Phantom: SAM 1800/1900 MHz; Type: SAM; Serial: TP-1224
Measurement SW: DASY4, V4.6 Build 23; Postprocessing SW: SEMCAD, V1.8 Build 161

Test Date: 2007-01-27; Ambient Temp: 21.0; Tissue Temp: 21.5

1.5cm from Body, PCS Ch.661, Ant Intenna, Standard Battery GPRS/BT ON

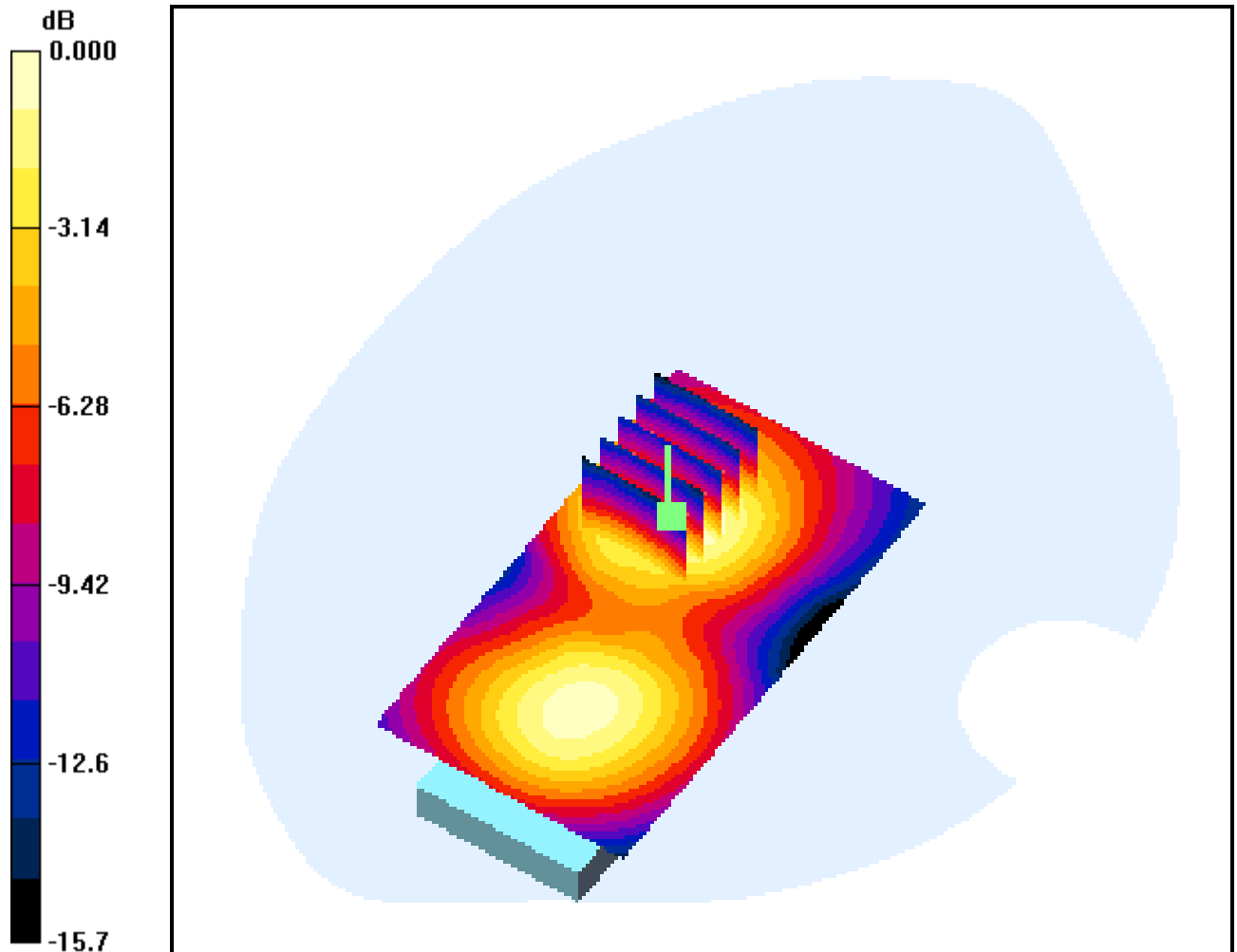
Area Scan (51x91x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

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

Power Drift = -0.024 dB

Peak SAR (extrapolated) = 0.587 W/kg

SAR(1 g) = 0.358 mW/g; SAR(10 g) = 0.214 mW/g



0 dB = 0.384mW/g

DIGITAL EMC CO., LTD

DUT: i230; Type: Bar Type

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

Medium parameters used: $f = 848.8 \text{ MHz}$; $\sigma = 0.919 \text{ mho/m}$; $\epsilon_r = 42.2$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Right Section

DASY4 Configuration:

Probe: ET3DV6 - SN1702; ConvF(6.66, 6.66, 6.66); Calibrated: 2006-03-23; Electronics: DAE3 Sn520

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

Measurement SW: DASY4, V4.6 Build 23; Postprocessing SW: SEMCAD, V1.8 Build 161

Date: 2007-01-27; Ambient Temp: 21.0; Tissue Temp: 21.5

Right Touch GSM Ch.251, Ant Intenna, Standard 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 = 0.019 dB

Peak SAR (extrapolated) = 1.65 W/kg

SAR(1 g) = 0.951 mW/g; SAR(10 g) = 0.595 mW/g

FIG. 1.076

1g/10g Averaged SAR

SAR; Zoom Scan/Value Along Z, X=1, Y=2



DIGITAL EMC CO., LTD

DUT: i230; Type: Bar Type

Communication System: GSM 850; Frequency: 848.8 MHz; Duty Cycle: 1:4.15
Medium parameters used: $f = 848.8 \text{ MHz}$; $\sigma = 1.02 \text{ mho/m}$; $\epsilon_r = 53.3$; $\rho = 1000 \text{ kg/m}^3$
Phantom section: Flat Section

DASY4 Configuration:

Probe: ET3DV6 - SN1702; ConvF(6.21, 6.21, 6.21); Calibrated: 2006-03-23; Electronics: DAE3 Sn520
Phantom: SAM with 835MHz; Type: SAM; Serial: TP-1223
Measurement SW: DASY4, V4.6 Build 23; Postprocessing SW: SEMCAD, V1.8 Build 161

Test Date: 2007-01-25; Ambient Temp: 20.5; Tissue Temp: 21.0

1.5cm from Body, GSM Ch251, Ant Intenna, Standard Battery GPRS Mode

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 = -0.061 dB

Peak SAR (extrapolated) = 0.793 W/kg

SAR(1 g) = 0.589 mW/g; SAR(10 g) = 0.414 mW/g

1g/10g Averaged SAR

SAR: Zoom Scan: Value Along Z, X=2, Y=2



DIGITAL EMC CO., LTD

DUT: i230; Type: Bar Type

Communication System: PCS1900; Frequency: 1850.2 MHz; Duty Cycle: 1:8.3
Medium parameters used: $f = 1850.2 \text{ MHz}$; $\sigma = 1.36 \text{ mho/m}$; $\epsilon_r = 40$; $\rho = 1000 \text{ kg/m}^3$
Phantom section: Right Section

DASY4 Configuration:

Probe: ET3DV6 - SN1702; ConvF(5.29, 5.29, 5.29); Calibrated: 2006-03-23; Electronics: DAE3 Sn520
Phantom: SAM 1800/1900 MHz; Type: SAM; Serial: TP-1224
Measurement SW: DASY4, V4.6 Build 23; Postprocessing SW: SEMCAD, V1.8 Build 161

Date: 2007-01-25; Ambient Temp: 20.5; Tissue Temp: 21.0

Right Touch 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 = -0.034 dB

Peak SAR (extrapolated) = 2.35 W/kg

SAR(1 g) = 1.12 mW/g; SAR(10 g) = 0.564 mW/g

1g/10g Averaged SAR

SAR; Zoom Scan: Value Along Z, X=2, Y=2



DIGITAL EMC CO., LTD

DUT: i230; Type: Bar Type

Communication System: PCS1900; Frequency: 1880 MHz; Duty Cycle: 1:4.15
Medium parameters used: $f = 1880 \text{ MHz}$; $\sigma = 1.53 \text{ mho/m}$; $\epsilon_r = 53.5$; $\rho = 1000 \text{ kg/m}^3$
Phantom section: Flat Section

DASY4 Configuration:

Probe: ET3DV6 - SN1702; ConvF(4.76, 4.76, 4.76); Calibrated: 2006-03-23; Electronics: DAE3 Sn520
Phantom: SAM 1800/1900 MHz; Type: SAM; Serial: TP-1224
Measurement SW: DASY4, V4.6 Build 23; Postprocessing SW: SEMCAD, V1.8 Build 161

Test Date: 2007-01-27; Ambient Temp: 21.0; Tissue Temp: 21.5

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

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 = -0.036 dB

Peak SAR (extrapolated) = 0.688 W/kg

SAR(1 g) = 0.389 mW/g; SAR(10 g) = 0.221 mW/g

1g/10g Averaged SAR

SAR; Zoom Scan Value Along Z, X=2, Y=2

