

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: $f = 835 \text{ MHz}$; $\sigma = 0.923 \text{ mho/m}$; $\epsilon_r = 41$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

DASY4 Configuration:

Probe: EX3DV4 - SN3643; ConvF(8.59, 8.59, 8.59); Calibrated: 2009-01-14; Electronics: DAE3 Sn519

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

Measurement SW: DASY4, V4.7 Build 55; Postprocessing SW: SEMCAD, V1.8 Build 176

Test Date: 2009-10-28; Ambient Temp: 22.9; Tissue Temp: 22.4

Dipole Validation

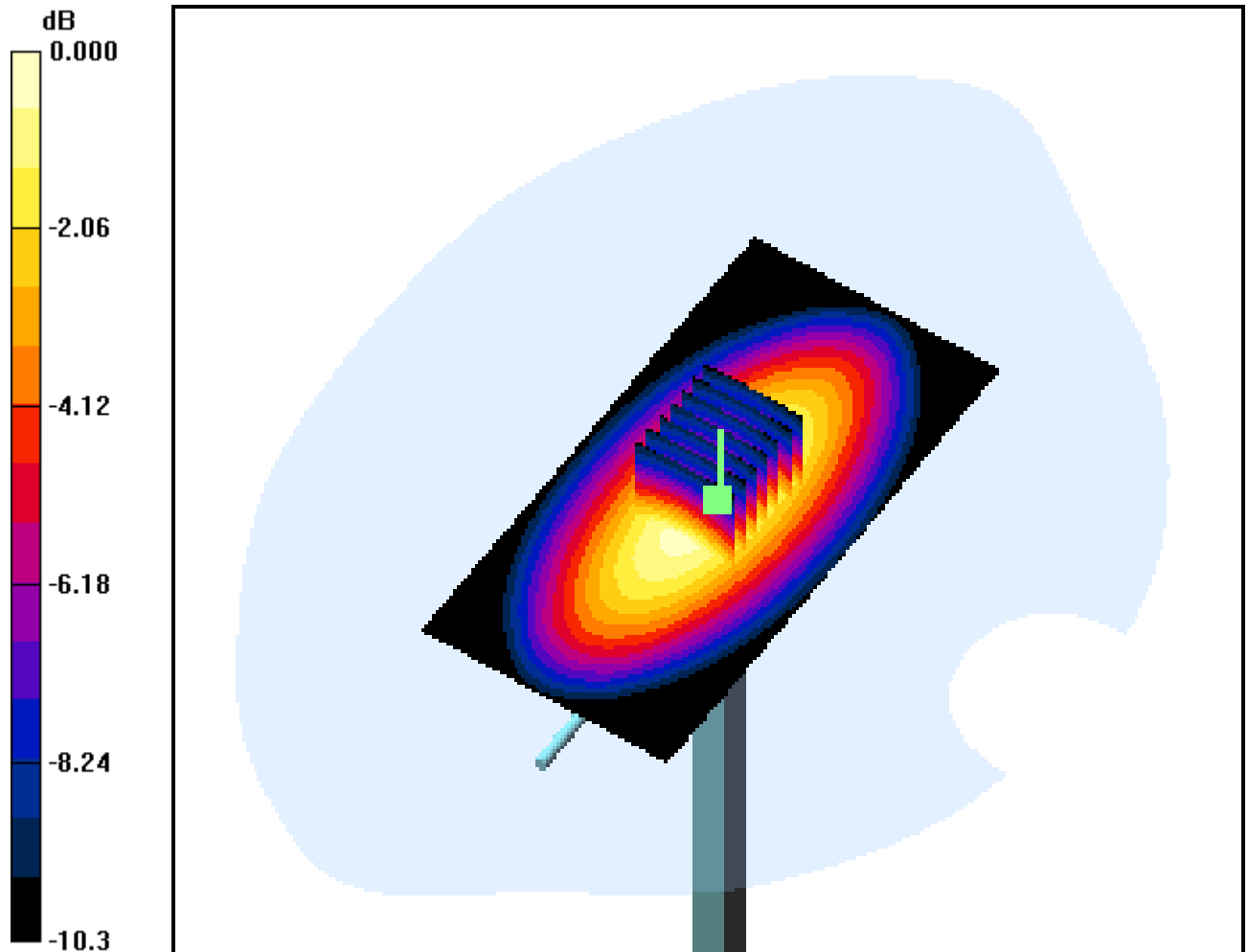
Area Scan (51x101x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

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

Power Drift = 0.002 dB

Peak SAR (extrapolated) = 3.62 W/kg

SAR(1 g) = 2.38 mW/g; SAR(10 g) = 1.56 mW/g



0 dB = 2.57mW/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: $f = 1900 \text{ MHz}$; $\sigma = 1.46 \text{ mho/m}$; $\epsilon_r = 39$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

DASY4 Configuration:

Probe: EX3DV4 - SN3643; ConvF(7.56, 7.56, 7.56); Calibrated: 2009-01-14; Electronics: DAE3 Sn519

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

Measurement SW: DASY4, V4.7 Build 55; Postprocessing SW: SEMCAD, V1.8 Build 176

Test Date: 2009-10-28; Ambient Temp: 22.9; Tissue Temp: 22.4

Dipole Validation

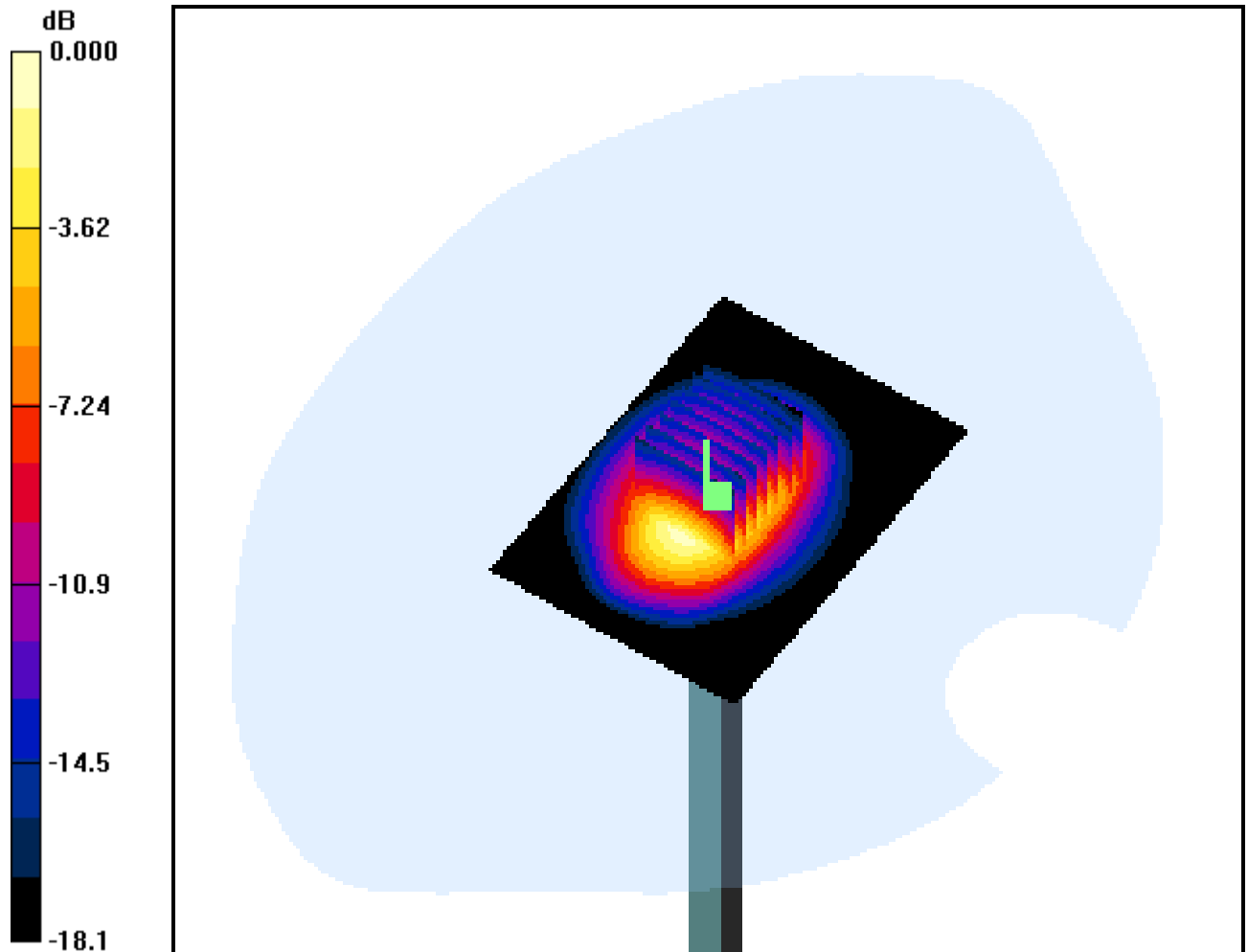
Area Scan (51x71x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

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

Power Drift = -0.011 dB

Peak SAR (extrapolated) = 19.2 W/kg

SAR(1 g) = 10.1 mW/g; SAR(10 g) = 5.21 mW/g



0 dB = 11.2mW/g

DIGITAL EMC CO., LTD

DUT: Dipole 2450 MHz; Type: D2450V2; Serial: D2450V2 - SN:726

Communication System: CW; Frequency: 2450 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 2450 \text{ MHz}$; $\sigma = 1.84 \text{ mho/m}$; $\epsilon_r = 38.1$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

DASY4 Configuration:

Probe: EX3DV4 - SN3643; ConvF(6.92, 6.92, 6.92); Calibrated: 2009-01-14; Electronics: DAE3 Sn519

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

Measurement SW: DASY4, V4.7 Build 55; Postprocessing SW: SEMCAD, V1.8 Build 176

Test Date: 2009-10-29; Ambient Temp: 21.7; Tissue Temp: 21.6

Dipole Validation

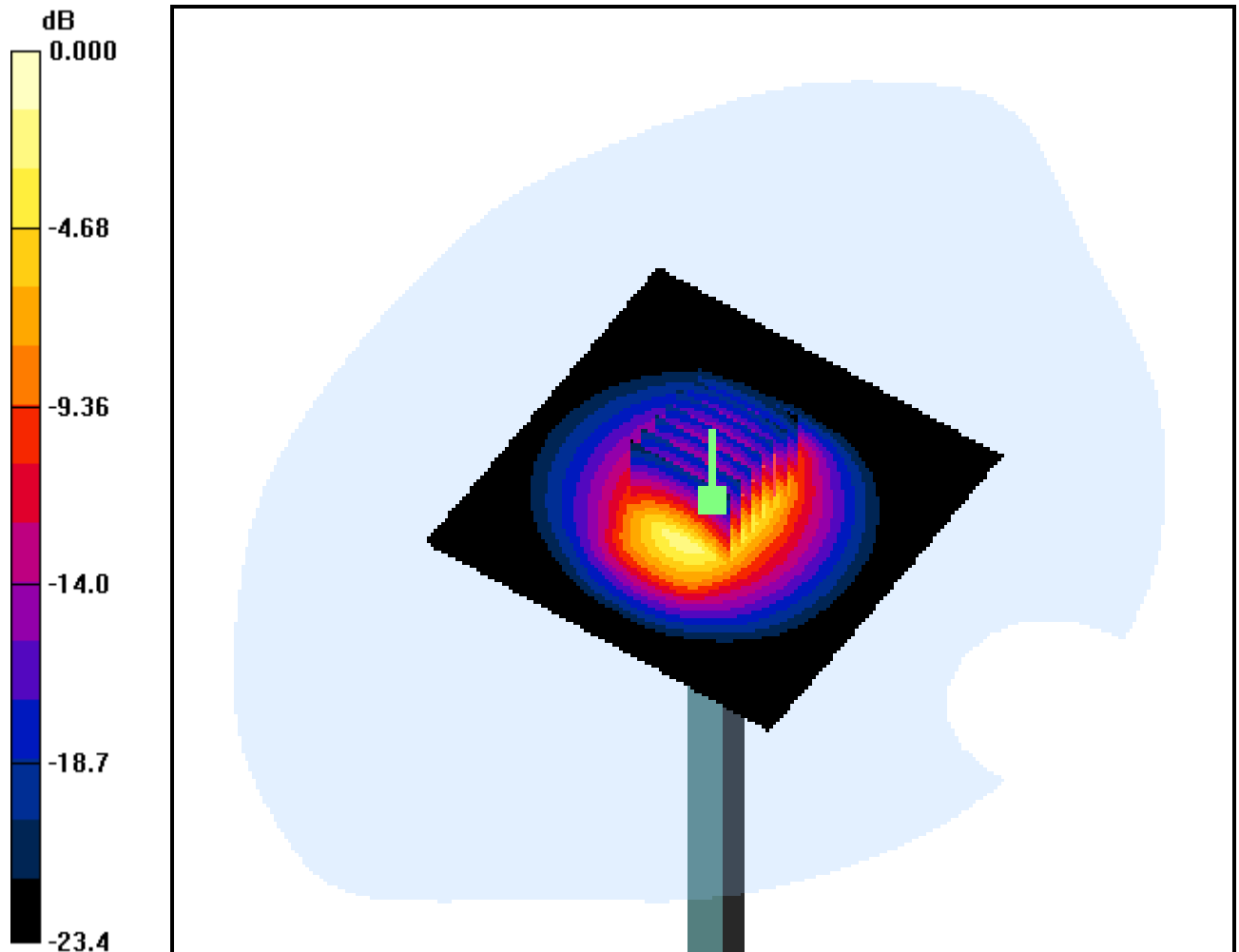
Area Scan (71x71x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

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

Power Drift = -0.019 dB

Peak SAR (extrapolated) = 29.2 W/kg

SAR(1 g) = 13.3 mW/g; SAR(10 g) = 6.04 mW/g



0 dB = 14.9mW/g

DIGITAL EMC CO., LTD

DUT: DOTH-100; Type: Bar Type

Communication System: GSM 850; Frequency: 836.6 MHz; Duty Cycle: 1:4.15

Medium parameters used: $f = 836.6 \text{ MHz}$; $\sigma = 1.01 \text{ mho/m}$; $\epsilon_r = 54.1$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

DASY4 Configuration:

Probe: EX3DV4 - SN3643; ConvF(8.63, 8.63, 8.63); Calibrated: 2009-01-14; Electronics: DAE3 Sn519

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

Measurement SW: DASY4, V4.7 Build 55; Postprocessing SW: SEMCAD, V1.8 Build 176

Test Date: 2009-10-28; Ambient Temp: 22.9; Tissue Temp: 22.4

Touch from Body, Horizontal Up, GSM850 Ch.190, Ant Fixed, GPRS CLASS 10

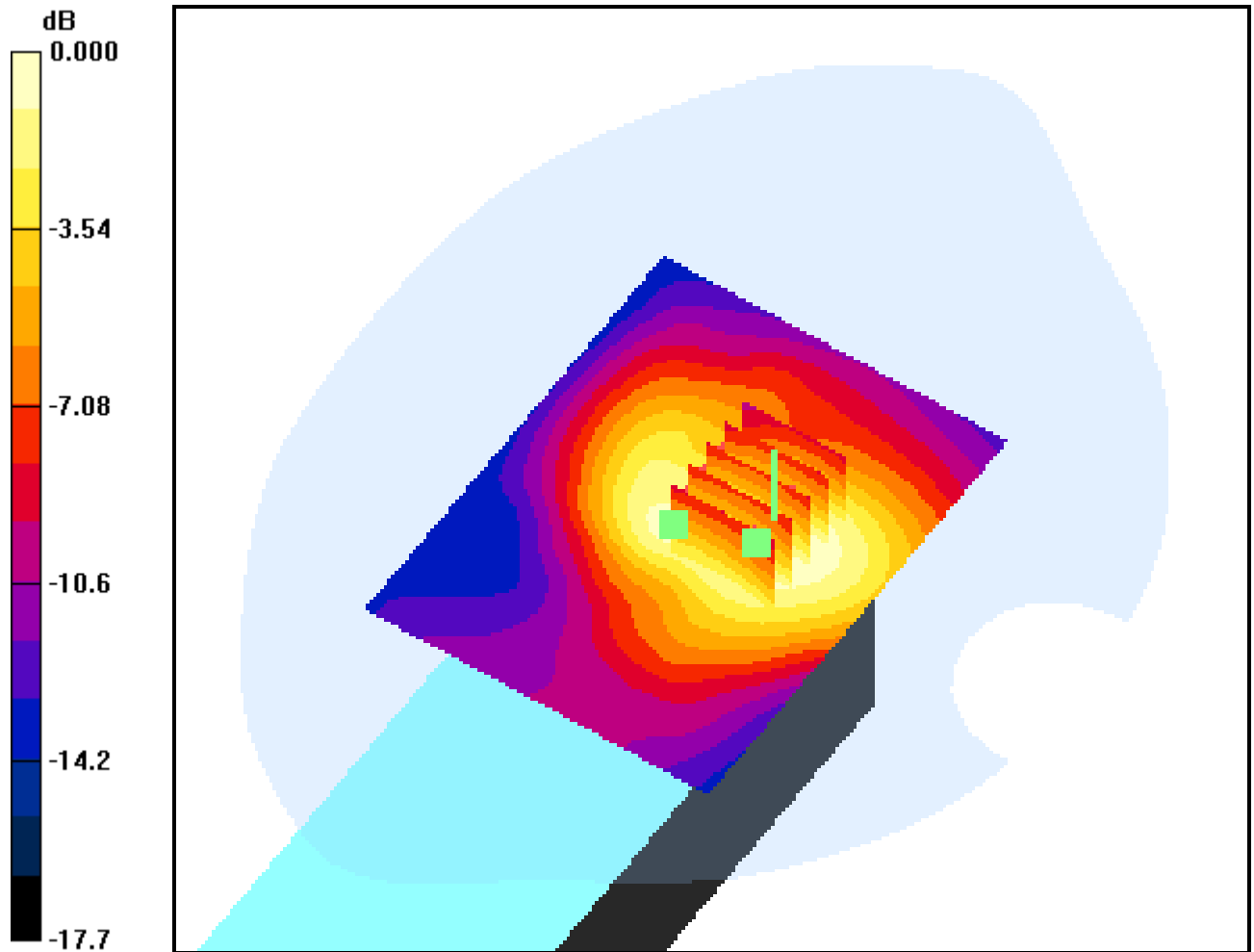
Area Scan (71x91x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

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

Power Drift = 0.216 dB

Peak SAR (extrapolated) = 0.112 W/kg

SAR(1 g) = 0.052 mW/g; SAR(10 g) = 0.036 mW/g



0 dB = 0.065mW/g

DIGITAL EMC CO., LTD

DUT: DOTH-100; Type: Bar Type

Communication System: GSM 850; Frequency: 836.6 MHz; Duty Cycle: 1:4.15

Medium parameters used: $f = 836.6 \text{ MHz}$; $\sigma = 1.01 \text{ mho/m}$; $\epsilon_r = 54.1$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

DASY4 Configuration:

Probe: EX3DV4 - SN3643; ConvF(8.63, 8.63, 8.63); Calibrated: 2009-01-14; Electronics: DAE3 Sn519

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

Measurement SW: DASY4, V4.7 Build 55; Postprocessing SW: SEMCAD, V1.8 Build 176

Test Date: 2009-10-28; Ambient Temp: 22.9; Tissue Temp: 22.4

Touch from Body, Horizontal Up, GSM850 Ch.190, Ant Fixed, GPRS CLASS 10

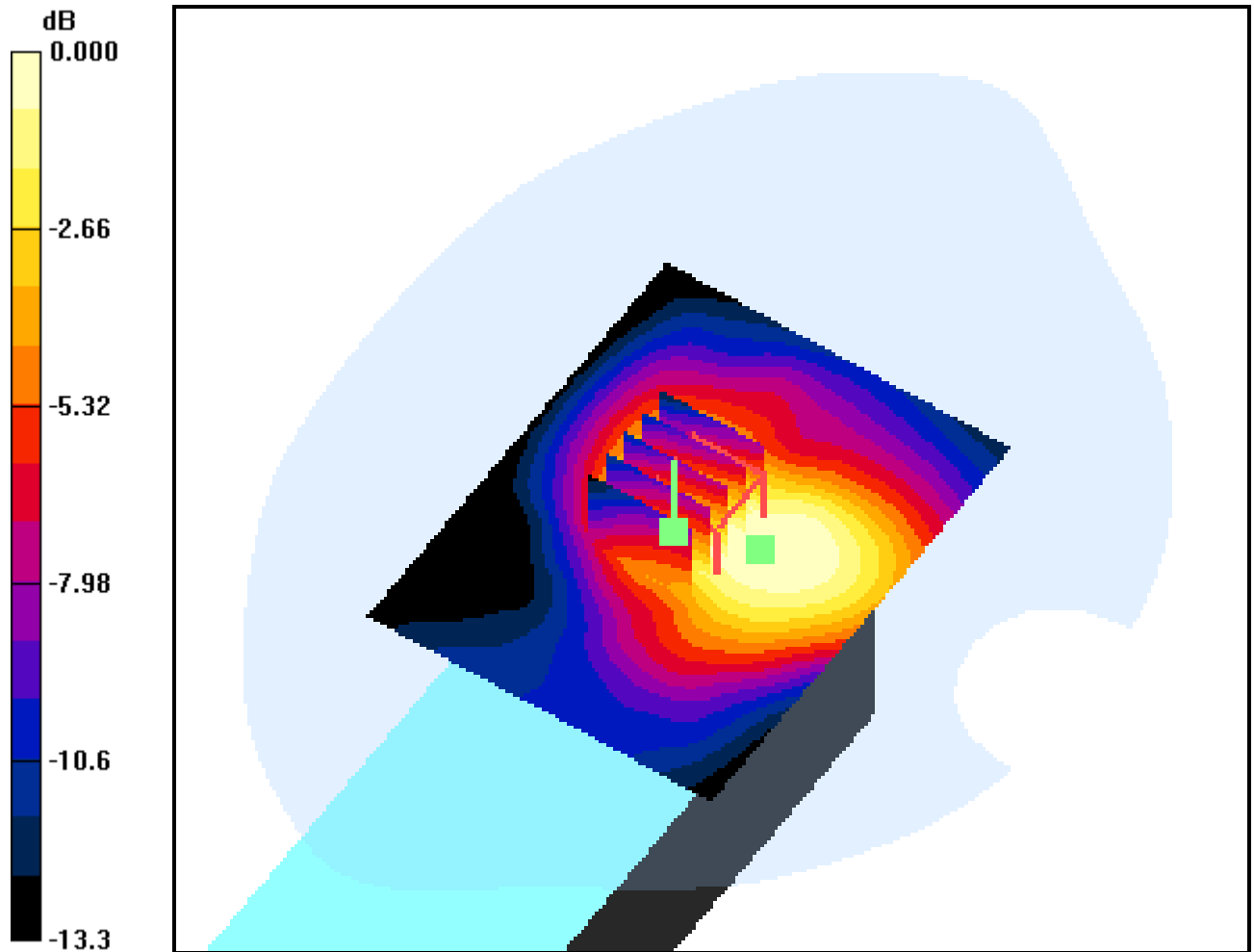
Area Scan (71x91x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

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

Power Drift = 0.216 dB

Peak SAR (extrapolated) = 0.076 W/kg

SAR(1 g) = 0.052 mW/g; SAR(10 g) = 0.036 mW/g



0 dB = 0.063mW/g

DIGITAL EMC CO., LTD

DUT: DOTH-100; Type: Bar Type

Communication System: GSM 850; Frequency: 836.6 MHz; Duty Cycle: 1:4.15

Medium parameters used: $f = 836.6 \text{ MHz}$; $\sigma = 1.01 \text{ mho/m}$; $\epsilon_r = 54.1$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

DASY4 Configuration:

Probe: EX3DV4 - SN3643; ConvF(8.63, 8.63, 8.63); Calibrated: 2009-01-14; Electronics: DAE3 Sn519

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

Measurement SW: DASY4, V4.7 Build 55; Postprocessing SW: SEMCAD, V1.8 Build 176

Test Date: 2009-10-28; Ambient Temp: 22.9; Tissue Temp: 22.4

Touch from Body, Horizontal Down, GSM850 Ch.190, Ant Fixed, GPRS CLASS 10

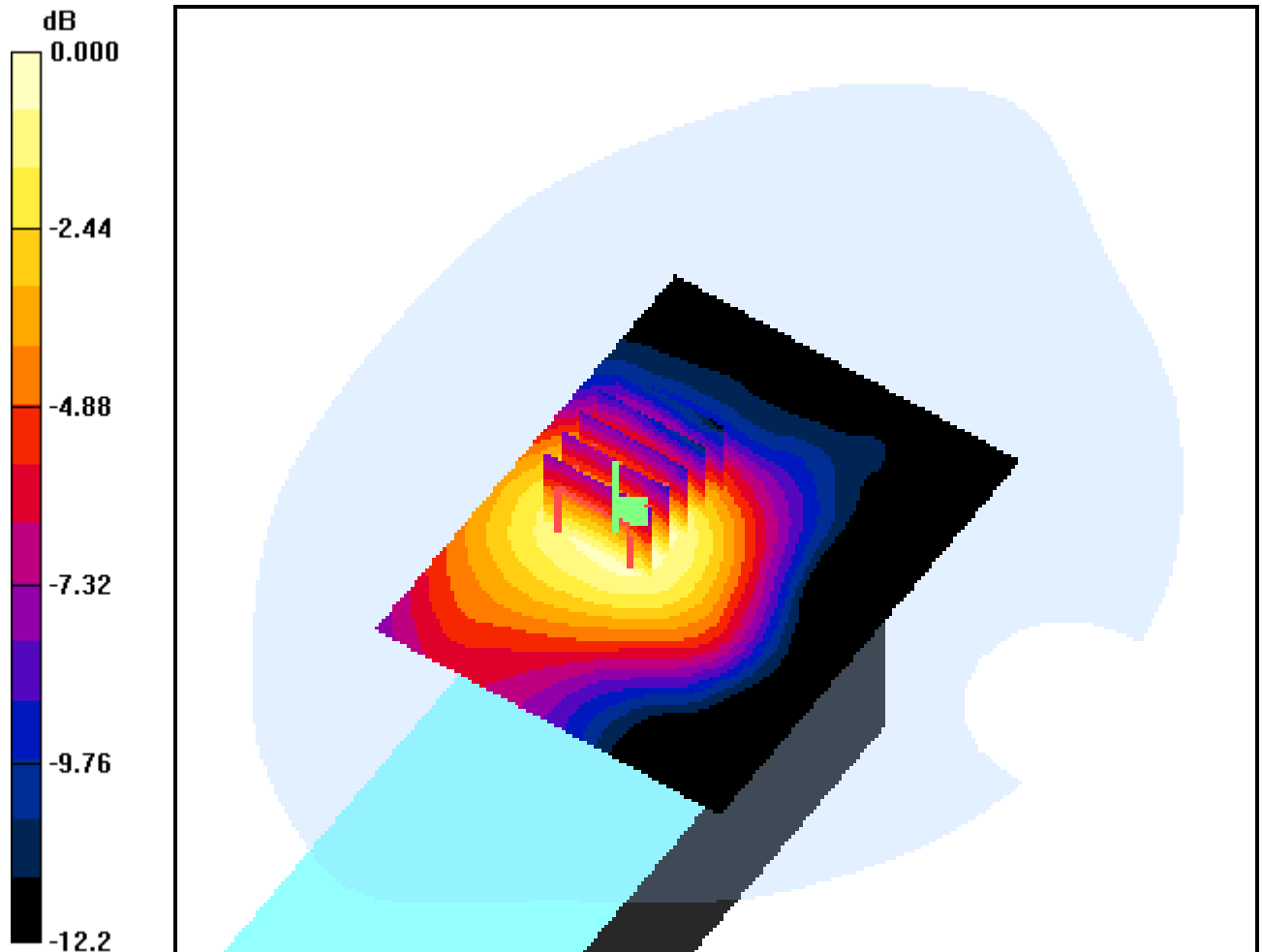
Area Scan (71x91x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

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) = 0.061 W/kg

SAR(1 g) = 0.045 mW/g; SAR(10 g) = 0.032 mW/g



0 dB = 0.052mW/g

DIGITAL EMC CO., LTD

DUT: DOTH-100; Type: Bar Type

Communication System: GSM 850; Frequency: 824.2 MHz; Duty Cycle: 1:4.15
Medium parameters used: $f = 824.2 \text{ MHz}$; $\sigma = 0.996 \text{ mho/m}$; $\epsilon_r = 54.2$; $\rho = 1000 \text{ kg/m}^3$
Phantom section: Flat Section

DASY4 Configuration:

Probe: EX3DV4 - SN3643; ConvF(8.63, 8.63, 8.63); Calibrated: 2009-01-14; Electronics: DAE3 Sn519
Phantom: SAM with 835MHz; Type: SAM; Serial: TP-1223
Measurement SW: DASY4, V4.7 Build 55; Postprocessing SW: SEMCAD, V1.8 Build 176

Test Date: 2009-10-28; Ambient Temp: 22.9; Tissue Temp: 22.4

Touch from Body, Vertical Front, GSM850 Ch.128, Ant Fixed, GPRS CLASS 10

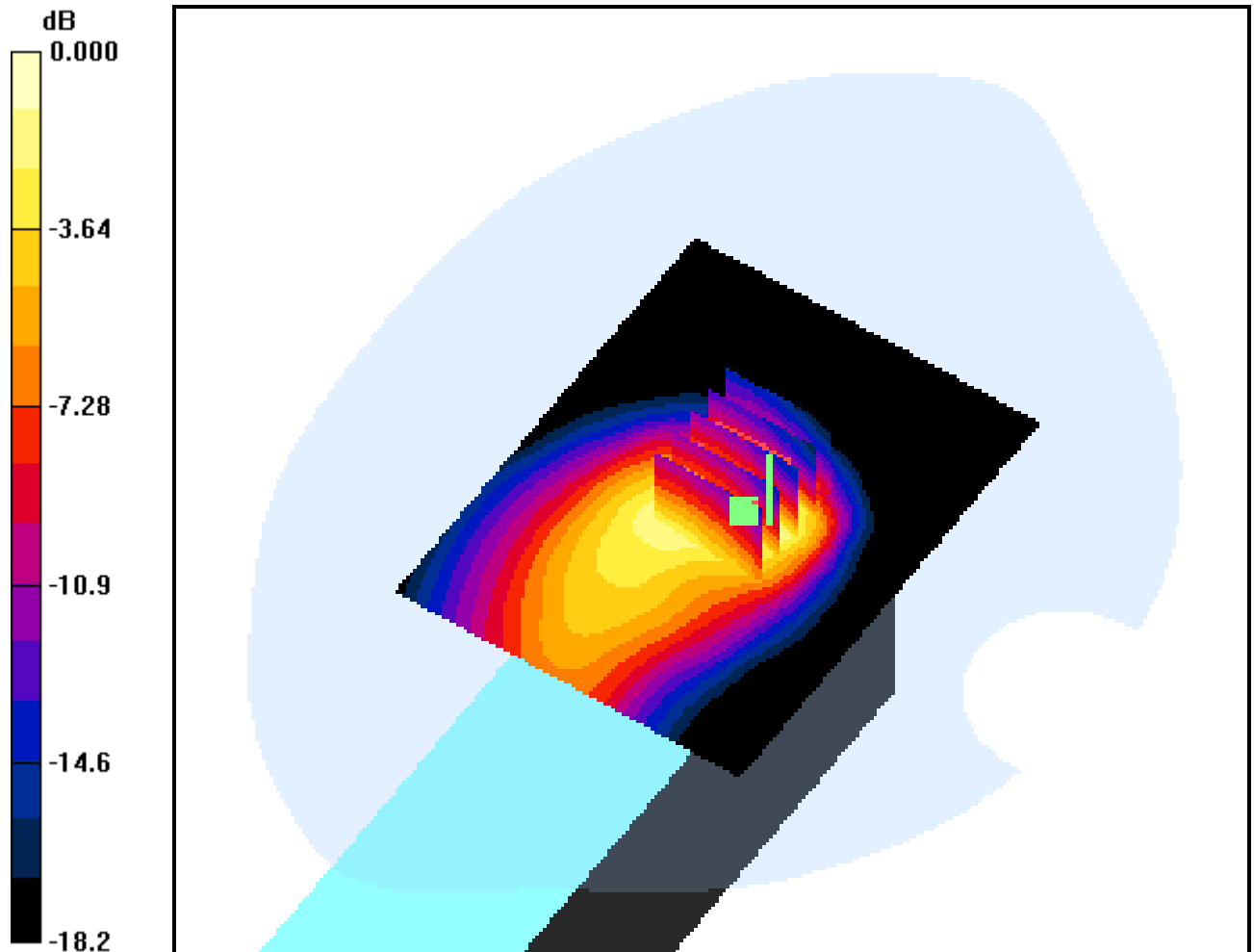
Area Scan (71x91x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

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

Power Drift = -0.017 dB

Peak SAR (extrapolated) = 0.552 W/kg

SAR(1 g) = 0.235 mW/g; SAR(10 g) = 0.129 mW/g



0 dB = 0.296mW/g

DIGITAL EMC CO., LTD

DUT: DOTH-100; Type: Bar Type

Communication System: GSM 850; Frequency: 836.6 MHz; Duty Cycle: 1:4.15

Medium parameters used: $f = 836.6 \text{ MHz}$; $\sigma = 1.01 \text{ mho/m}$; $\epsilon_r = 54.1$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

DASY4 Configuration:

Probe: EX3DV4 - SN3643; ConvF(8.63, 8.63, 8.63); Calibrated: 2009-01-14; Electronics: DAE3 Sn519

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

Measurement SW: DASY4, V4.7 Build 55; Postprocessing SW: SEMCAD, V1.8 Build 176

Test Date: 2009-10-28; Ambient Temp: 22.9; Tissue Temp: 22.4

Touch from Body, Vertical Front, GSM850 Ch.190, Ant Fixed, GPRS CLASS 10

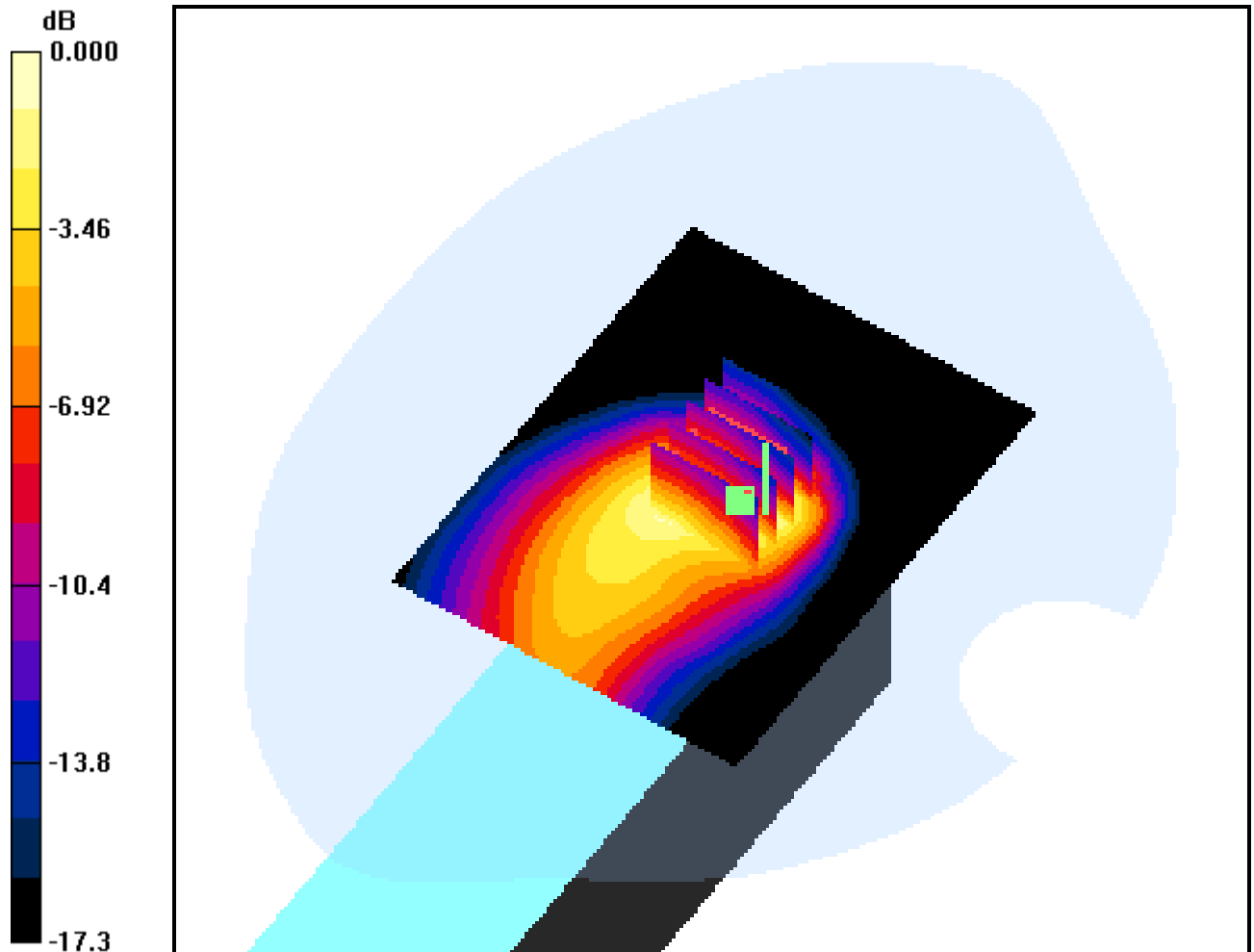
Area Scan (71x91x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

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) = 0.457 W/kg

SAR(1 g) = 0.197 mW/g; SAR(10 g) = 0.111 mW/g



0 dB = 0.248mW/g

DIGITAL EMC CO., LTD

DUT: DOTH-100; Type: Bar Type

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

Medium parameters used: $f = 848.8 \text{ MHz}$; $\sigma = 1.02 \text{ mho/m}$; $\epsilon_r = 53.9$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

DASY4 Configuration:

Probe: EX3DV4 - SN3643; ConvF(8.63, 8.63, 8.63); Calibrated: 2009-01-14; Electronics: DAE3 Sn519

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

Measurement SW: DASY4, V4.7 Build 55; Postprocessing SW: SEMCAD, V1.8 Build 176

Test Date: 2009-10-28; Ambient Temp: 22.9; Tissue Temp: 22.4

Touch from Body, Vertical Front, GSM850 Ch.251, Ant Fixed, GPRS CLASS 10

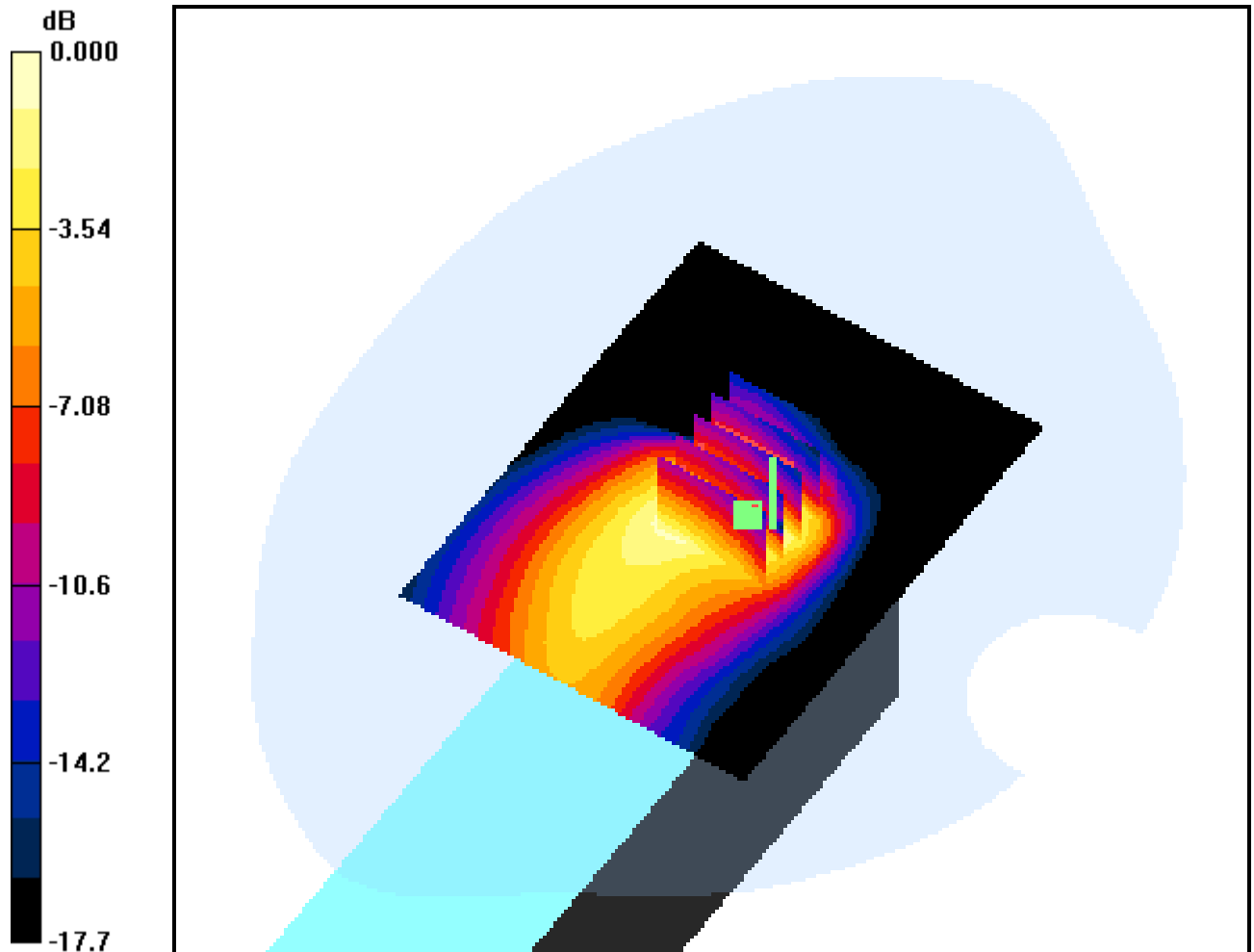
Area Scan (71x91x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

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) = 0.405 W/kg

SAR(1 g) = 0.176 mW/g; SAR(10 g) = 0.101 mW/g



0 dB = 0.219mW/g

DIGITAL EMC CO., LTD

DUT: DOTH-100; Type: Bar Type

Communication System: GSM 850; Frequency: 836.6 MHz; Duty Cycle: 1:4.15

Medium parameters used: $f = 836.6 \text{ MHz}$; $\sigma = 1.01 \text{ mho/m}$; $\epsilon_r = 54.1$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

DASY4 Configuration:

Probe: EX3DV4 - SN3643; ConvF(8.63, 8.63, 8.63); Calibrated: 2009-01-14; Electronics: DAE3 Sn519

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

Measurement SW: DASY4, V4.7 Build 55; Postprocessing SW: SEMCAD, V1.8 Build 176

Test Date: 2009-10-28; Ambient Temp: 22.9; Tissue Temp: 22.4

Touch from Body, Vertical Back, GSM850 Ch.190, Ant Fixed, GPRS CLASS 10

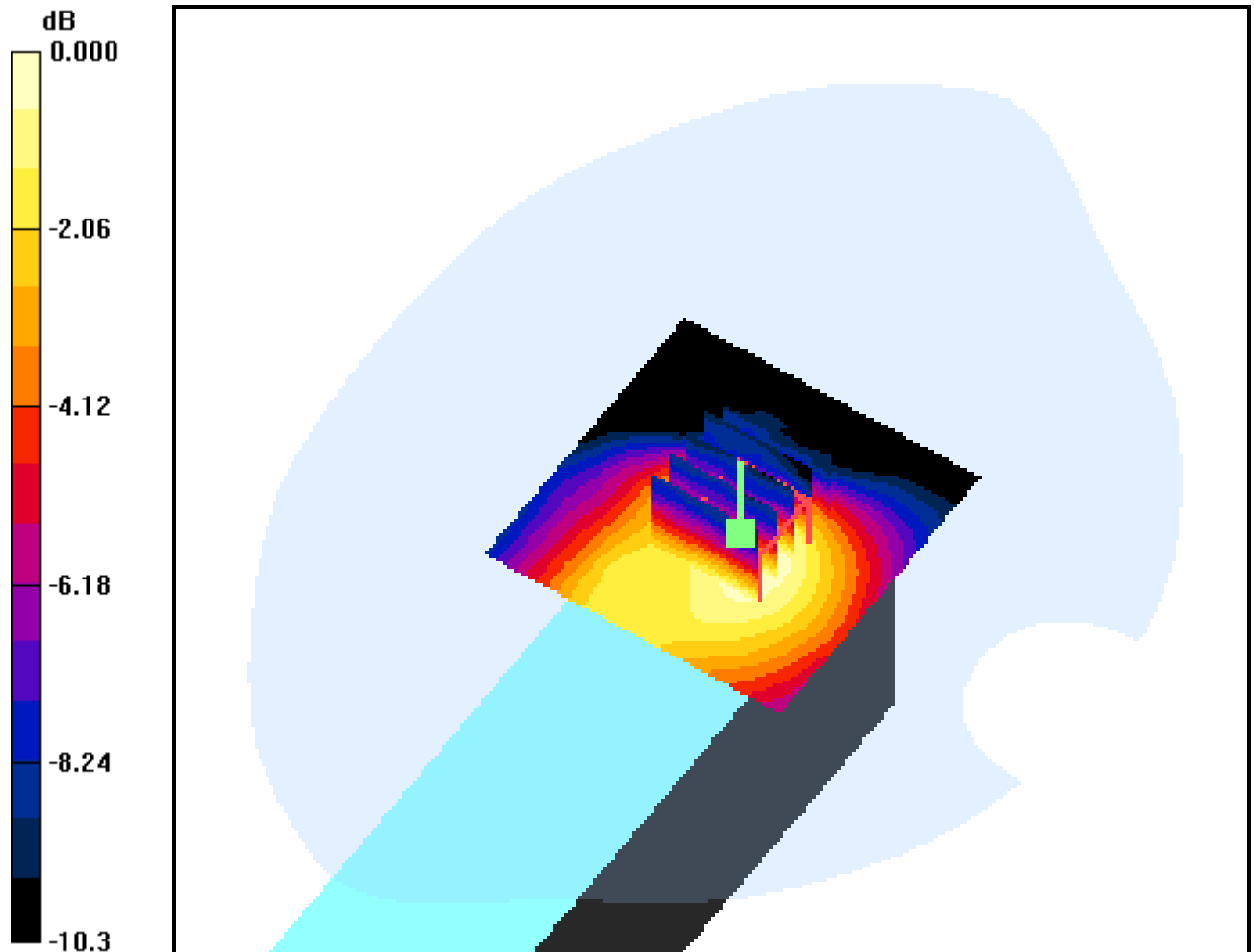
Area Scan (61x61x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

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) = 0.033 W/kg

SAR(1 g) = 0.021 mW/g; SAR(10 g) = 0.013 mW/g



0 dB = 0.025mW/g

DIGITAL EMC CO., LTD

DUT: DOTH-100; Type: Bar Type

Communication System: GSM 850; Frequency: 836.6 MHz; Duty Cycle: 1:4.15

Medium parameters used: $f = 836.6 \text{ MHz}$; $\sigma = 1.01 \text{ mho/m}$; $\epsilon_r = 54.1$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

DASY4 Configuration:

Probe: EX3DV4 - SN3643; ConvF(8.63, 8.63, 8.63); Calibrated: 2009-01-14; Electronics: DAE3 Sn519

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

Measurement SW: DASY4, V4.7 Build 55; Postprocessing SW: SEMCAD, V1.8 Build 176

Test Date: 2009-10-28; Ambient Temp: 22.9; Tissue Temp: 22.4

Touch from Body, Top, GSM850 Ch.190, Ant Fixed, GPRS CLASS 10

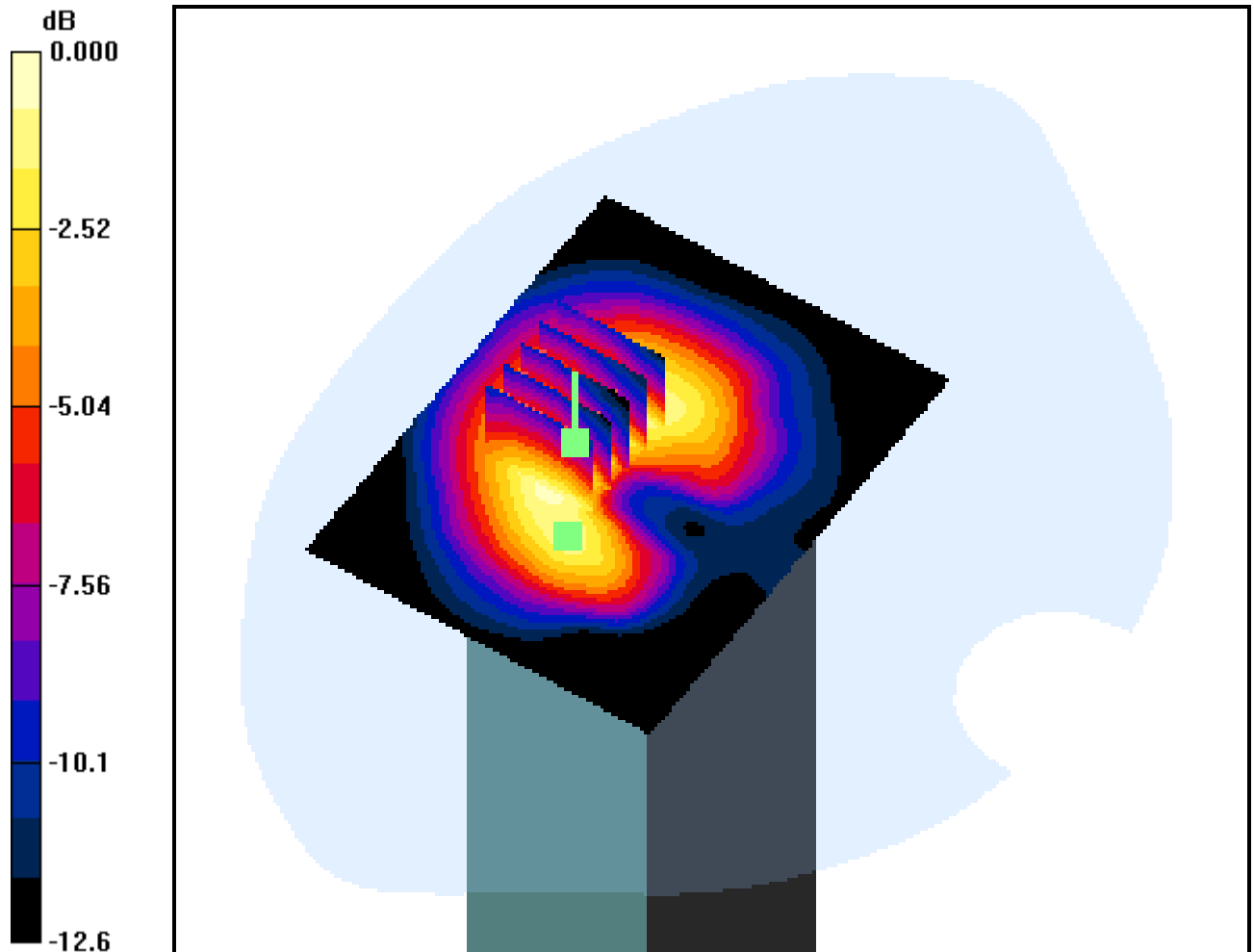
Area Scan (71x91x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

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

Power Drift = -0.146 dB

Peak SAR (extrapolated) = 0.085 W/kg

SAR(1 g) = 0.055 mW/g; SAR(10 g) = 0.036 mW/g



DIGITAL EMC CO., LTD

DUT: DOTH-100; Type: Bar Type

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

Medium parameters used: $f = 836.6 \text{ MHz}$; $\sigma = 1.01 \text{ mho/m}$; $\epsilon_r = 54.1$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

DASY4 Configuration:

Probe: EX3DV4 - SN3643; ConvF(8.63, 8.63, 8.63); Calibrated: 2009-01-14; Electronics: DAE3 Sn519

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

Measurement SW: DASY4, V4.7 Build 55; Postprocessing SW: SEMCAD, V1.8 Build 176

Test Date: 2009-10-28; Ambient Temp: 22.9; Tissue Temp: 22.4

Touch from Body, Horizontal Up, GSM850 Ch.190, Ant Fixed

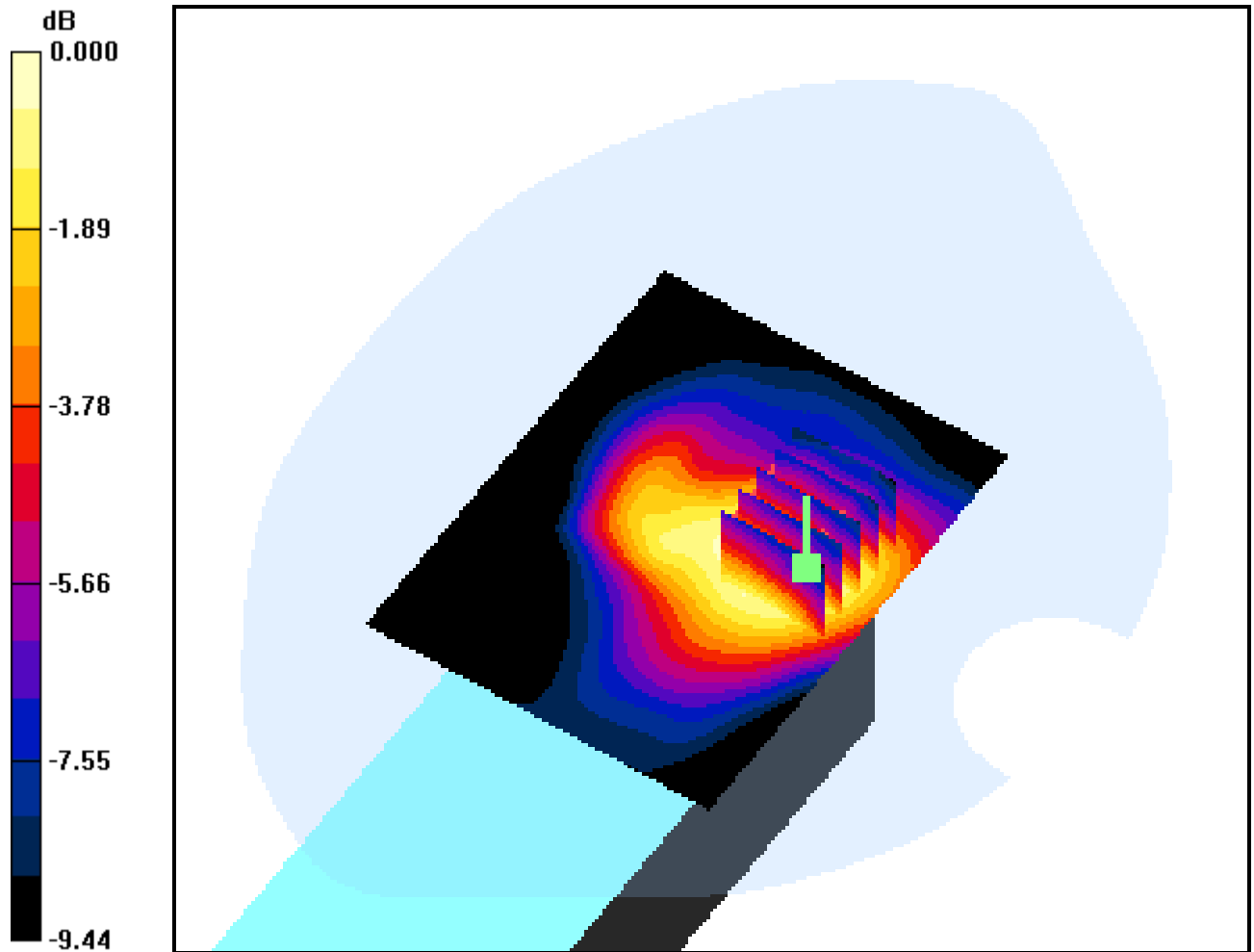
Area Scan (71x91x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

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

Power Drift = -0.276 dB

Peak SAR (extrapolated) = 0.038 W/kg

SAR(1 g) = 0.027 mW/g; SAR(10 g) = 0.020 mW/g



0 dB = 0.031mW/g

DIGITAL EMC CO., LTD

DUT: DOTH-100; Type: Bar Type

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

Medium parameters used: $f = 836.6 \text{ MHz}$; $\sigma = 1.01 \text{ mho/m}$; $\epsilon_r = 54.1$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

DASY4 Configuration:

Probe: EX3DV4 - SN3643; ConvF(8.63, 8.63, 8.63); Calibrated: 2009-01-14; Electronics: DAE3 Sn519

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

Measurement SW: DASY4, V4.7 Build 55; Postprocessing SW: SEMCAD, V1.8 Build 176

Test Date: 2009-10-28; Ambient Temp: 22.9; Tissue Temp: 22.4

Touch from Body, Horizontal Down, GSM850 Ch.190, Ant Fixed

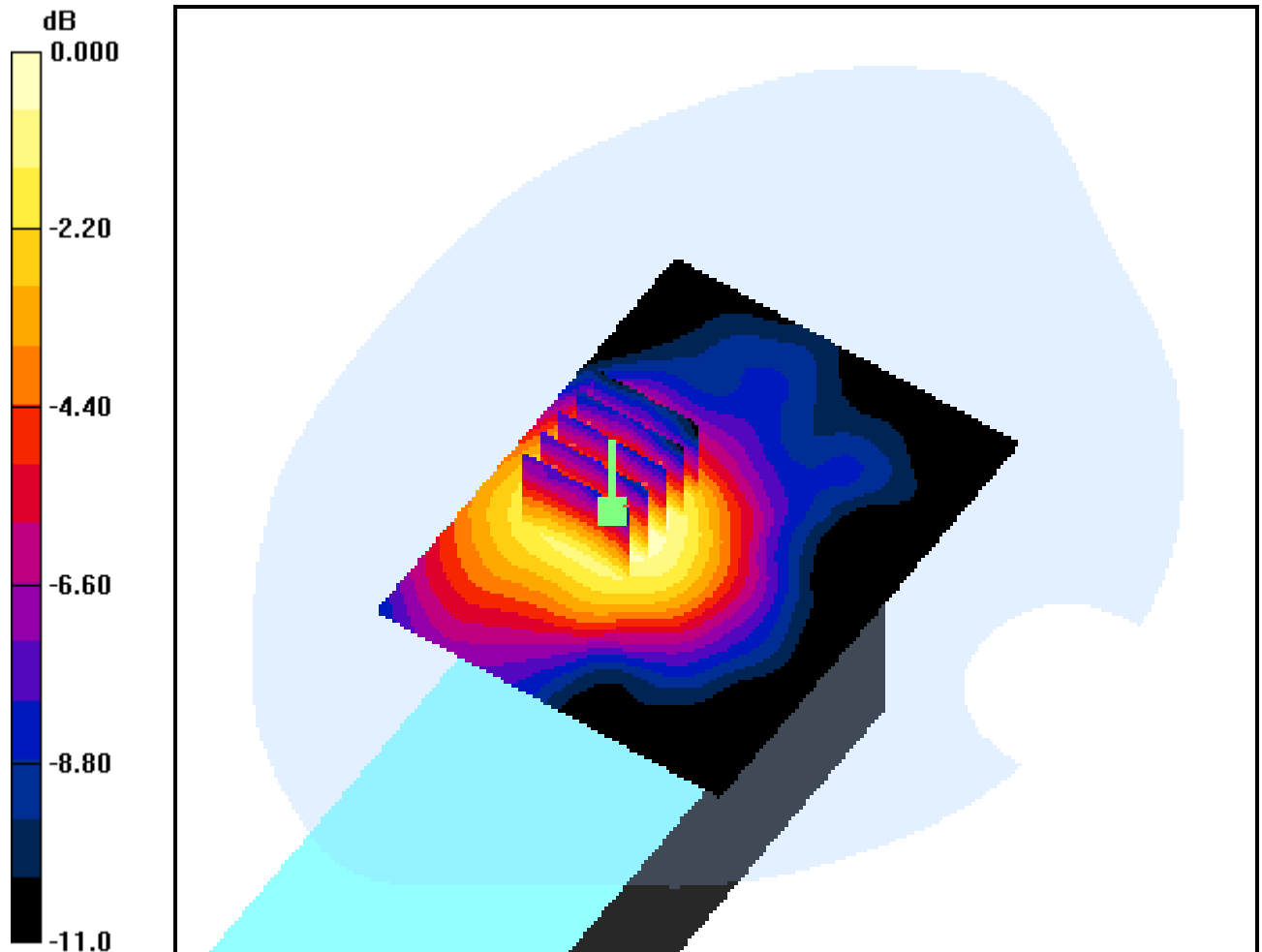
Area Scan (71x91x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

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

Power Drift = 0.130 dB

Peak SAR (extrapolated) = 0.036 W/kg

SAR(1 g) = 0.026 mW/g; SAR(10 g) = 0.018 mW/g



0 dB = 0.030mW/g

DIGITAL EMC CO., LTD

DUT: DOTH-100; Type: Bar Type

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

Medium parameters used: $f = 824.2$ MHz; $\sigma = 0.996$ mho/m; $\epsilon_r = 54.2$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY4 Configuration:

Probe: EX3DV4 - SN3643; ConvF(8.63, 8.63, 8.63); Calibrated: 2009-01-14; Electronics: DAE3 Sn519

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

Measurement SW: DASY4, V4.7 Build 55; Postprocessing SW: SEMCAD, V1.8 Build 176

Test Date: 2009-10-28; Ambient Temp: 22.9; Tissue Temp: 22.4

Touch from Body, Vertical Front, GSM850 Ch.128, Ant Fixed

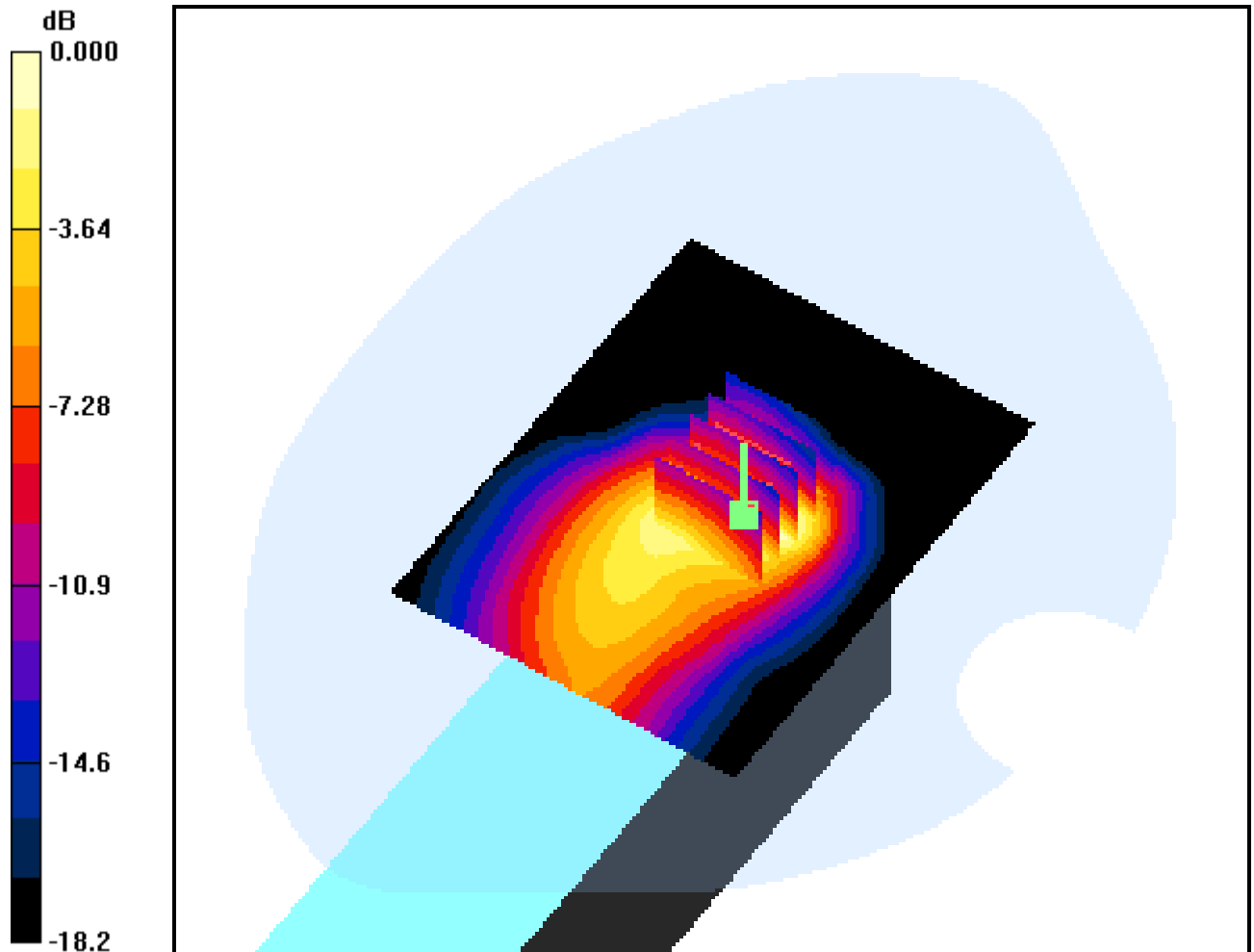
Area Scan (71x91x1): Measurement grid: dx=15mm, dy=15mm

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

Power Drift = -0.027 dB

Peak SAR (extrapolated) = 0.321 W/kg

SAR(1 g) = 0.141 mW/g; SAR(10 g) = 0.077 mW/g



0 dB = 0.177mW/g

DIGITAL EMC CO., LTD

DUT: DOTH-100; Type: Bar Type

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

Medium parameters used: $f = 836.6 \text{ MHz}$; $\sigma = 1.01 \text{ mho/m}$; $\epsilon_r = 54.1$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

DASY4 Configuration:

Probe: EX3DV4 - SN3643; ConvF(8.63, 8.63, 8.63); Calibrated: 2009-01-14; Electronics: DAE3 Sn519

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

Measurement SW: DASY4, V4.7 Build 55; Postprocessing SW: SEMCAD, V1.8 Build 176

Test Date: 2009-10-28; Ambient Temp: 22.9; Tissue Temp: 22.4

Touch from Body, Vertical Front, GSM850 Ch.190, Ant Fixed

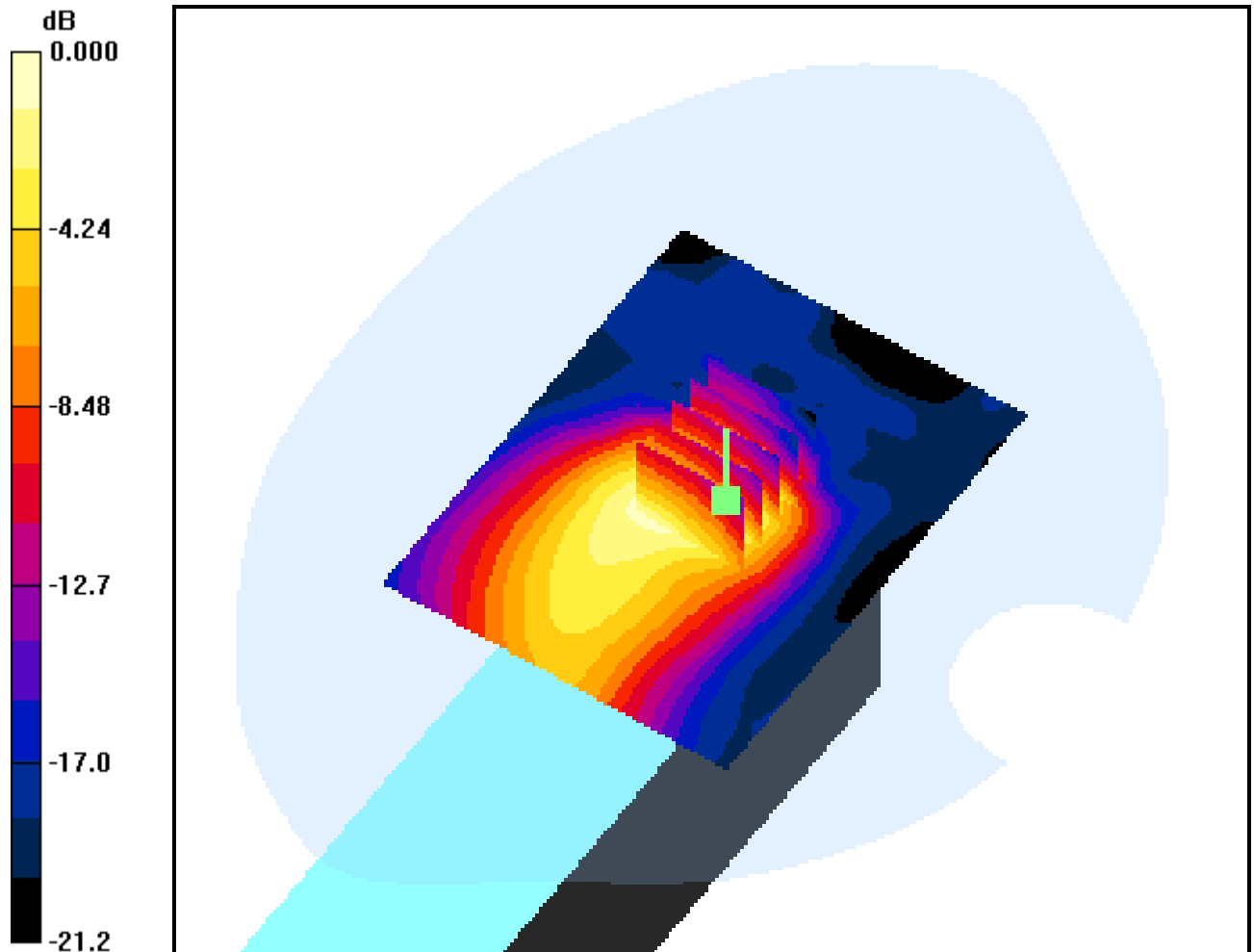
Area Scan (71x91x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

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

Power Drift = -0.043 dB

Peak SAR (extrapolated) = 0.227 W/kg

SAR(1 g) = 0.100 mW/g; SAR(10 g) = 0.057 mW/g



0 dB = 0.130mW/g

DIGITAL EMC CO., LTD

DUT: DOTH-100; Type: Bar Type

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

Medium parameters used: $f = 848.8 \text{ MHz}$; $\sigma = 1.02 \text{ mho/m}$; $\epsilon_r = 53.9$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

DASY4 Configuration:

Probe: EX3DV4 - SN3643; ConvF(8.63, 8.63, 8.63); Calibrated: 2009-01-14; Electronics: DAE3 Sn519

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

Measurement SW: DASY4, V4.7 Build 55; Postprocessing SW: SEMCAD, V1.8 Build 176

Test Date: 2009-10-28; Ambient Temp: 22.9; Tissue Temp: 22.4

Touch from Body, Vertical Front, GSM850 Ch.251, Ant Fixed

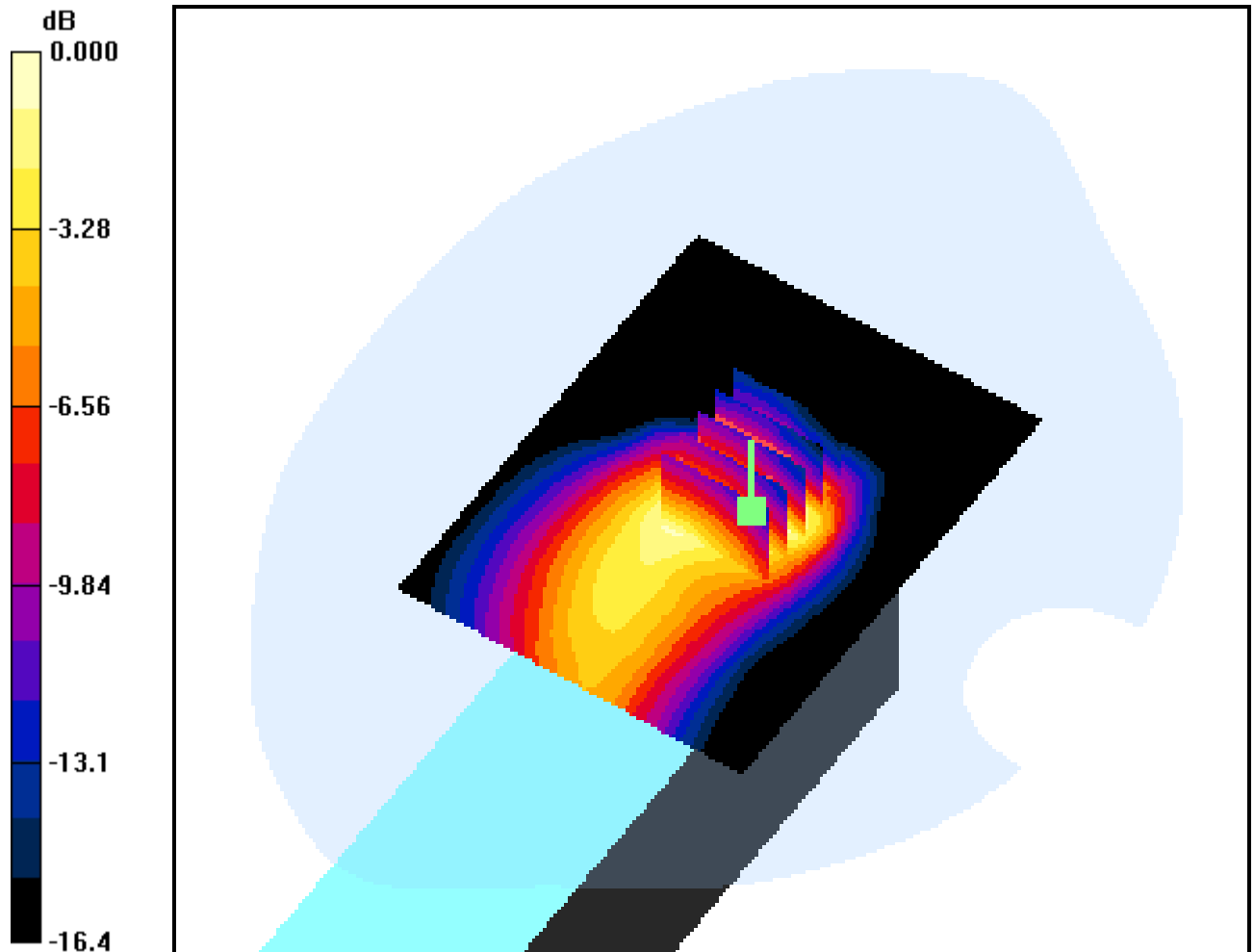
Area Scan (71x91x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

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

Power Drift = -0.056 dB

Peak SAR (extrapolated) = 0.227 W/kg

SAR(1 g) = 0.105 mW/g; SAR(10 g) = 0.061 mW/g



0 dB = 0.131mW/g

DIGITAL EMC CO., LTD

DUT: DOTH-100; Type: Bar Type

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

Medium parameters used: $f = 836.6 \text{ MHz}$; $\sigma = 1.01 \text{ mho/m}$; $\epsilon_r = 54.1$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

DASY4 Configuration:

Probe: EX3DV4 - SN3643; ConvF(8.63, 8.63, 8.63); Calibrated: 2009-01-14; Electronics: DAE3 Sn519

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

Measurement SW: DASY4, V4.7 Build 55; Postprocessing SW: SEMCAD, V1.8 Build 176

Test Date: 2009-10-28; Ambient Temp: 22.9; Tissue Temp: 22.4

Touch from Body, Vertical Back, GSM850 Ch.190, Ant Fixed

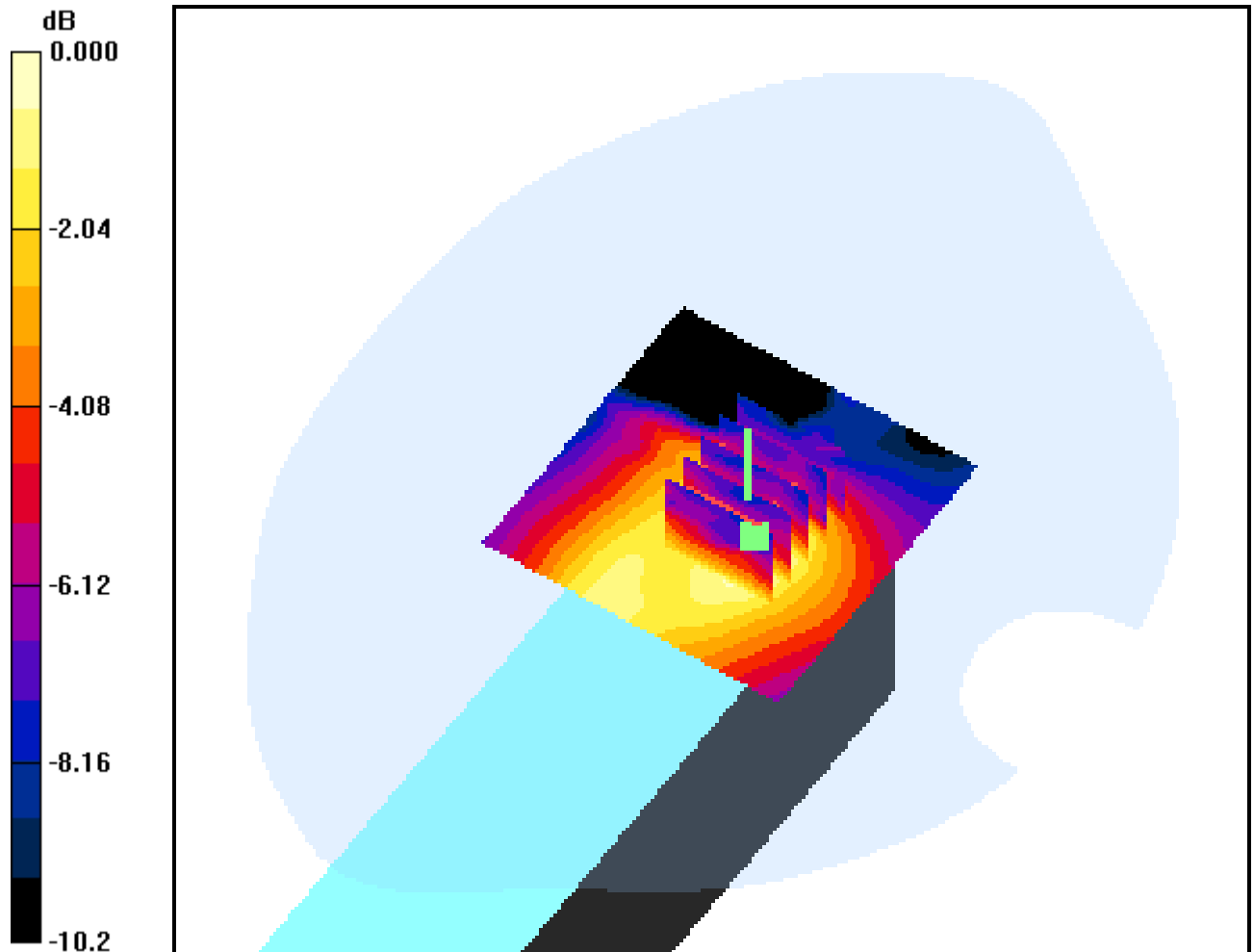
Area Scan (61x61x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

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

Power Drift = 0.009 dB

Peak SAR (extrapolated) = 0.016 W/kg

SAR(1 g) = 0.011 mW/g; SAR(10 g) = 0.00693 mW/g



0 dB = 0.013mW/g

DIGITAL EMC CO., LTD

DUT: DOTH-100; Type: Bar Type

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

Medium parameters used: $f = 836.6 \text{ MHz}$; $\sigma = 1.01 \text{ mho/m}$; $\epsilon_r = 54.1$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

DASY4 Configuration:

Probe: EX3DV4 - SN3643; ConvF(8.63, 8.63, 8.63); Calibrated: 2009-01-14; Electronics: DAE3 Sn519

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

Measurement SW: DASY4, V4.7 Build 55; Postprocessing SW: SEMCAD, V1.8 Build 176

Test Date: 2009-10-28; Ambient Temp: 22.9; Tissue Temp: 22.4

Touch from Body, Top, GSM850 Ch.190, Ant Fixed

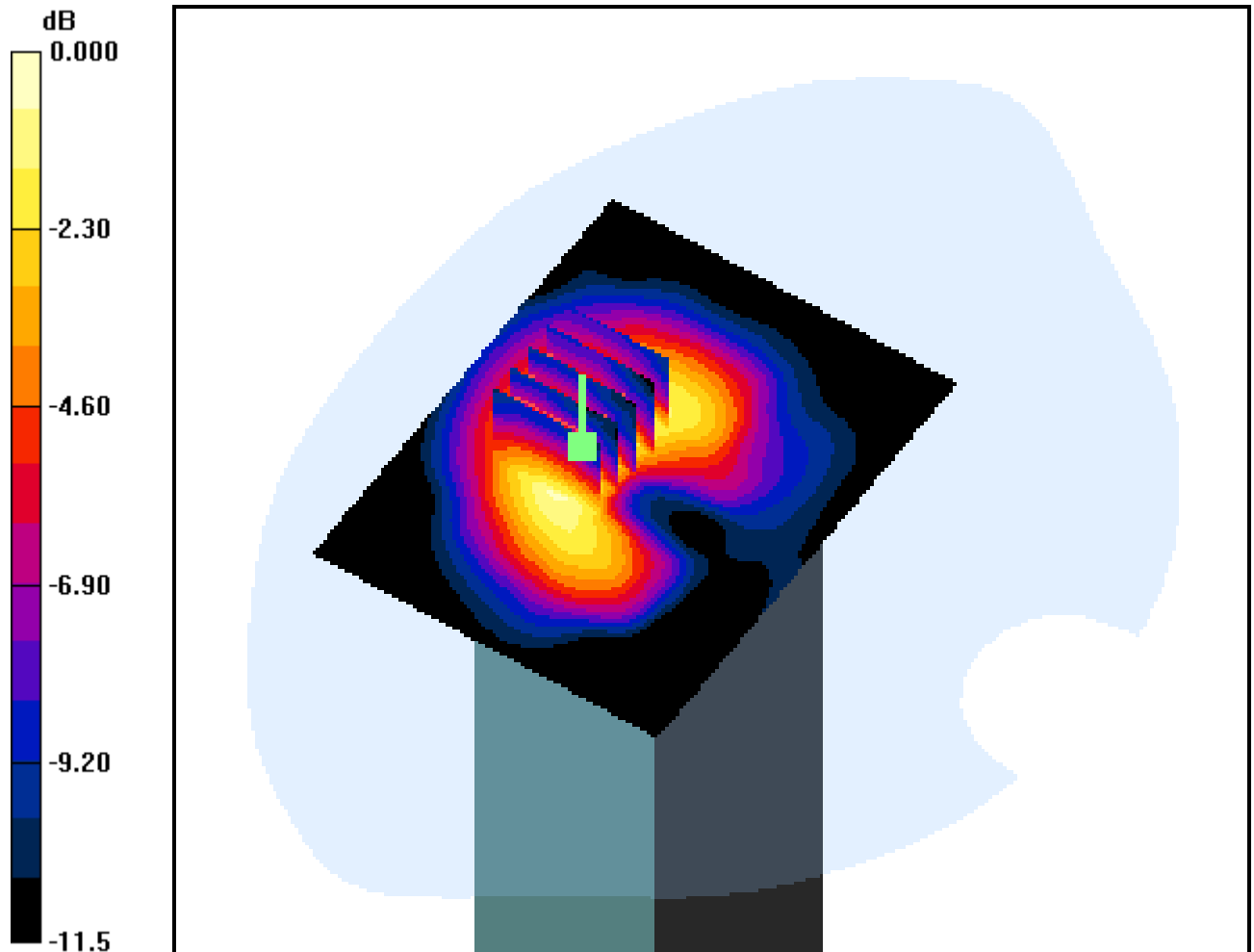
Area Scan (71x91x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

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

Power Drift = 0.260 dB

Peak SAR (extrapolated) = 0.046 W/kg

SAR(1 g) = 0.030 mW/g; SAR(10 g) = 0.019 mW/g



0 dB = 0.037mW/g

DIGITAL EMC CO., LTD

DUT: DOTH-100; Type: Bar Type

Communication System: PCS1900; Frequency: 1880 MHz; Duty Cycle: 1:4.15
Medium parameters used: $f = 1880 \text{ MHz}$; $\sigma = 1.56 \text{ mho/m}$; $\epsilon_r = 53$; $\rho = 1000 \text{ kg/m}^3$
Phantom section: Flat Section

DASY4 Configuration:

Probe: EX3DV4 - SN3643; ConvF(7.45, 7.45, 7.45); Calibrated: 2009-01-14; Electronics: DAE3 Sn519
Phantom: SAM 1800/1900 MHz; Type: SAM; Serial: TP-1224
Measurement SW: DASY4, V4.7 Build 55; Postprocessing SW: SEMCAD, V1.8 Build 176

Test Date: 2009-10-28; Ambient Temp: 22.9; Tissue Temp: 22.4

Touch from Body, Horizontal Up, PCS Ch.661, Ant Fixed, GPRS CLASS 10

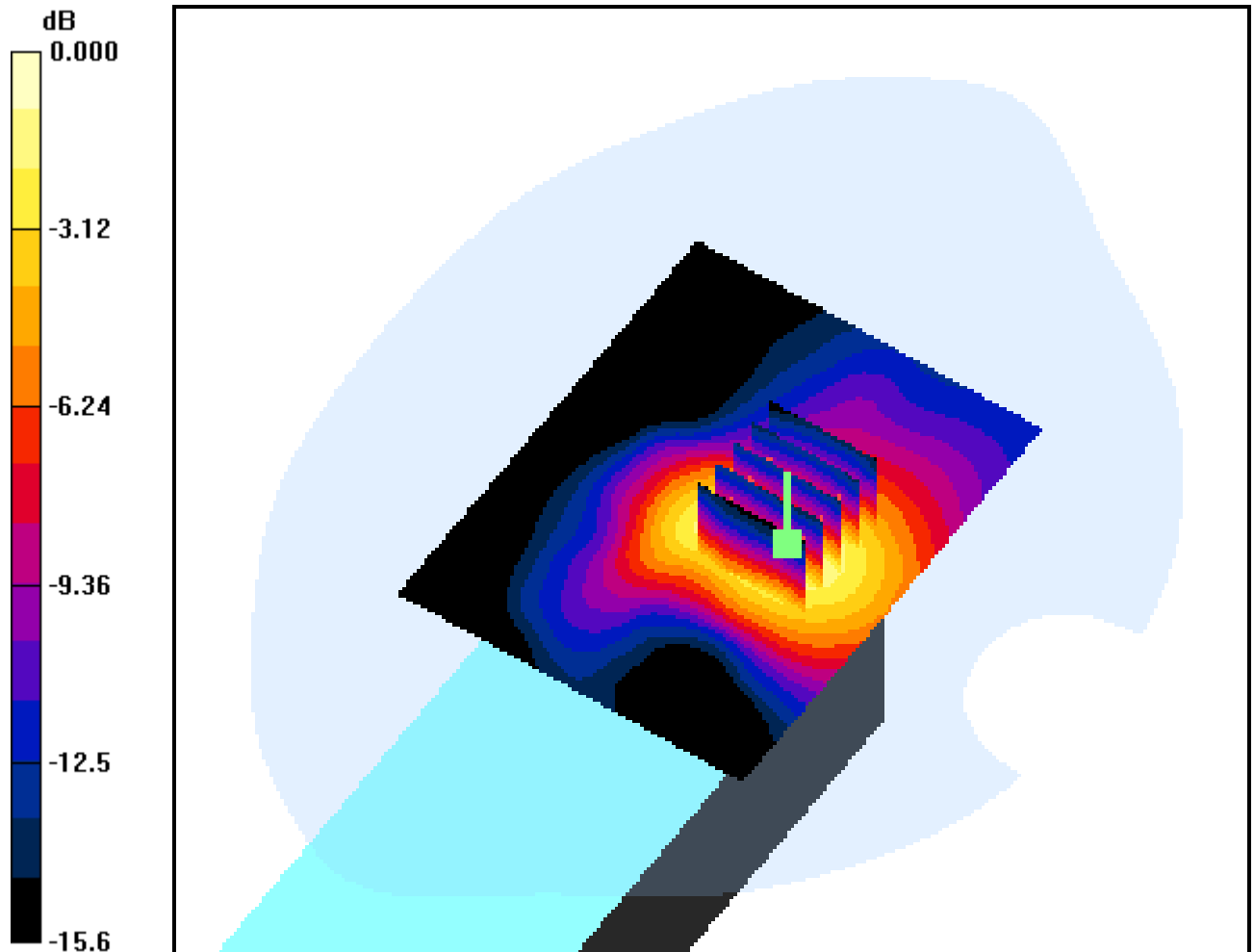
Area Scan (71x91x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

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

Power Drift = -0.163 dB

Peak SAR (extrapolated) = 0.334 W/kg

SAR(1 g) = 0.188 mW/g; SAR(10 g) = 0.106 mW/g



0 dB = 0.248mW/g

DIGITAL EMC CO., LTD

DUT: DOTH-100; Type: Bar Type

Communication System: PCS1900; Frequency: 1880 MHz; Duty Cycle: 1:4.15
Medium parameters used: $f = 1880 \text{ MHz}$; $\sigma = 1.56 \text{ mho/m}$; $\epsilon_r = 53$; $\rho = 1000 \text{ kg/m}^3$
Phantom section: Flat Section

DASY4 Configuration:

Probe: EX3DV4 - SN3643; ConvF(7.45, 7.45, 7.45); Calibrated: 2009-01-14; Electronics: DAE3 Sn519
Phantom: SAM 1800/1900 MHz; Type: SAM; Serial: TP-1224
Measurement SW: DASY4, V4.7 Build 55; Postprocessing SW: SEMCAD, V1.8 Build 176

Test Date: 2009-10-28; Ambient Temp: 22.9; Tissue Temp: 22.4

Touch from Body, Horizontal Down, PCS Ch.661, Ant Fixed, GPRS CLASS 10

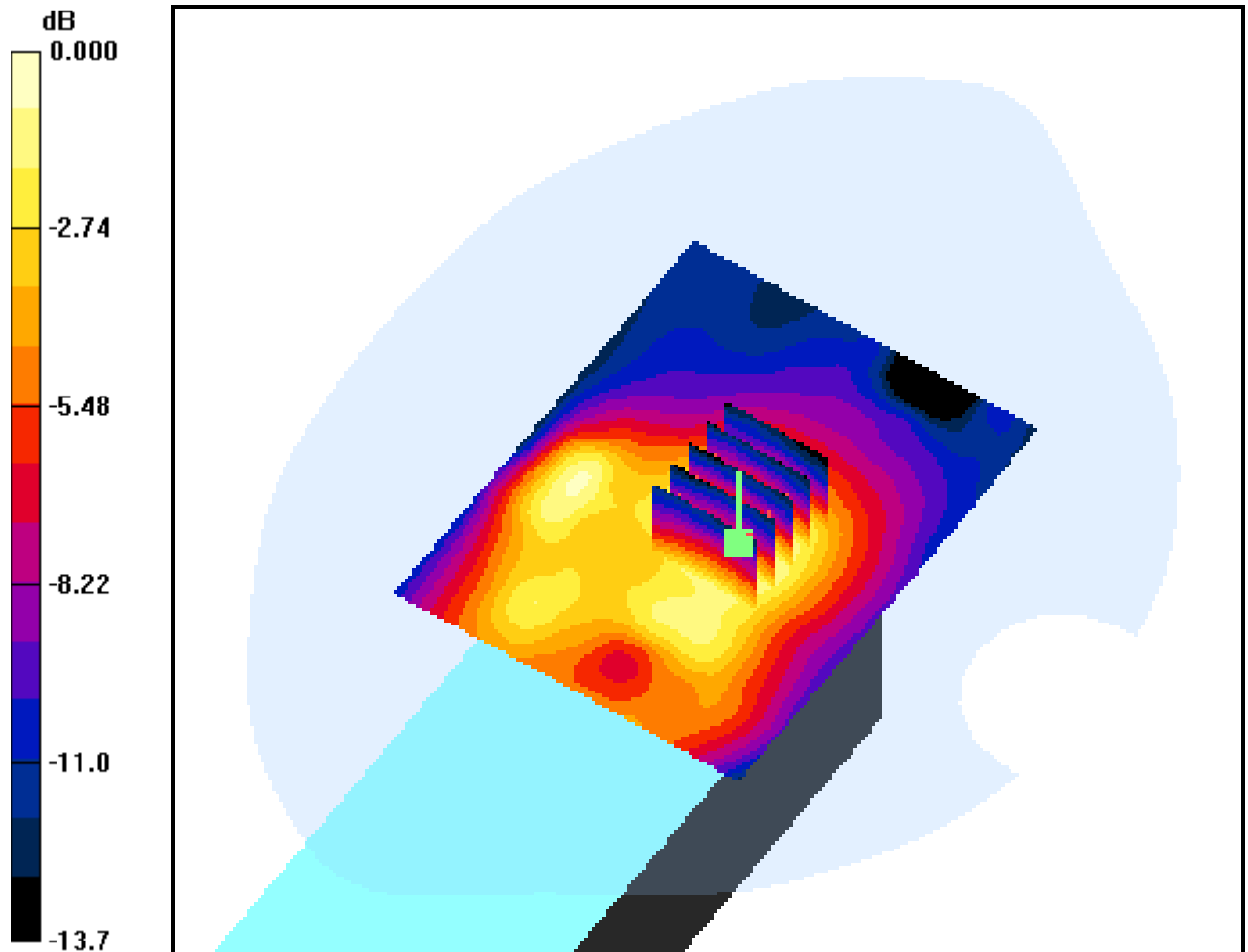
Area Scan (71x91x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

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

Power Drift = -0.141 dB

Peak SAR (extrapolated) = 0.120 W/kg

SAR(1 g) = 0.077 mW/g; SAR(10 g) = 0.047 mW/g



0 dB = 0.094mW/g

DIGITAL EMC CO., LTD

DUT: DOTH-100; Type: Bar Type

Communication System: PCS1900; Frequency: 1850.2 MHz; Duty Cycle: 1:4.15
Medium parameters used: $f = 1850.2 \text{ MHz}$; $\sigma = 1.52 \text{ mho/m}$; $\epsilon_r = 53.1$; $\rho = 1000 \text{ kg/m}^3$
Phantom section: Flat Section

DASY4 Configuration:

Probe: EX3DV4 - SN3643; ConvF(7.45, 7.45, 7.45); Calibrated: 2009-01-14; Electronics: DAE3 Sn519
Phantom: SAM 1800/1900 MHz; Type: SAM; Serial: TP-1224
Measurement SW: DASY4, V4.7 Build 55; Postprocessing SW: SEMCAD, V1.8 Build 176

Test Date: 2009-10-28; Ambient Temp: 22.9; Tissue Temp: 22.4

Touch from Body, Vertical Front, PCS Ch.512, Ant Fixed, GPRS CLASS 10

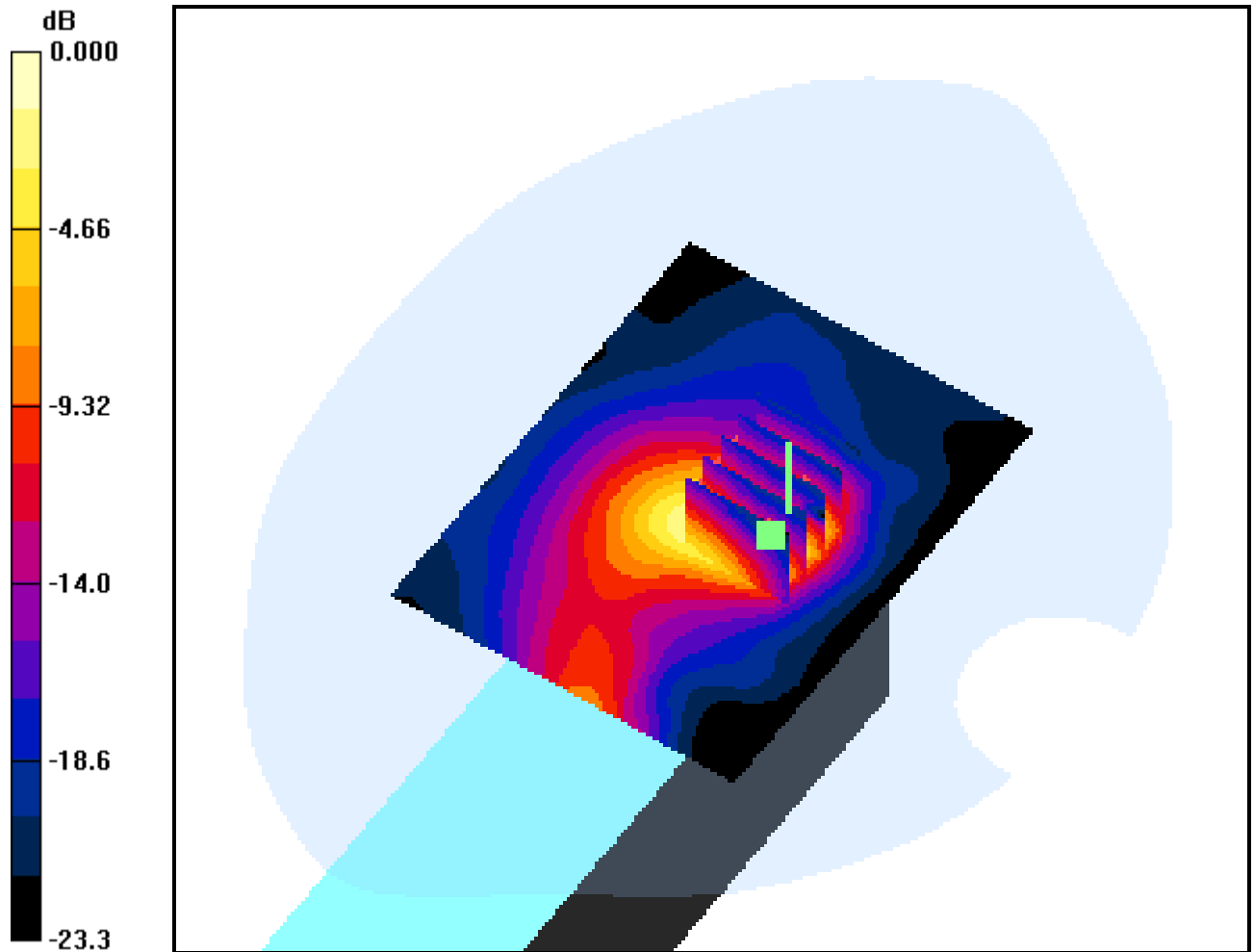
Area Scan (71x91x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

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) = 1.23 W/kg

SAR(1 g) = 0.459 mW/g; SAR(10 g) = 0.223 mW/g



0 dB = 0.737mW/g

DIGITAL EMC CO., LTD

DUT: DOTH-100; Type: Bar Type

Communication System: PCS1900; Frequency: 1880 MHz; Duty Cycle: 1:4.15
Medium parameters used: $f = 1880 \text{ MHz}$; $\sigma = 1.56 \text{ mho/m}$; $\epsilon_r = 53$; $\rho = 1000 \text{ kg/m}^3$
Phantom section: Flat Section

DASY4 Configuration:

Probe: EX3DV4 - SN3643; ConvF(7.45, 7.45, 7.45); Calibrated: 2009-01-14; Electronics: DAE3 Sn519
Phantom: SAM 1800/1900 MHz; Type: SAM; Serial: TP-1224
Measurement SW: DASY4, V4.7 Build 55; Postprocessing SW: SEMCAD, V1.8 Build 176

Test Date: 2009-10-28; Ambient Temp: 22.9; Tissue Temp: 22.4

Touch from Body, Vertical Front, PCS Ch.661, Ant Fixed, GPRS CLASS 10

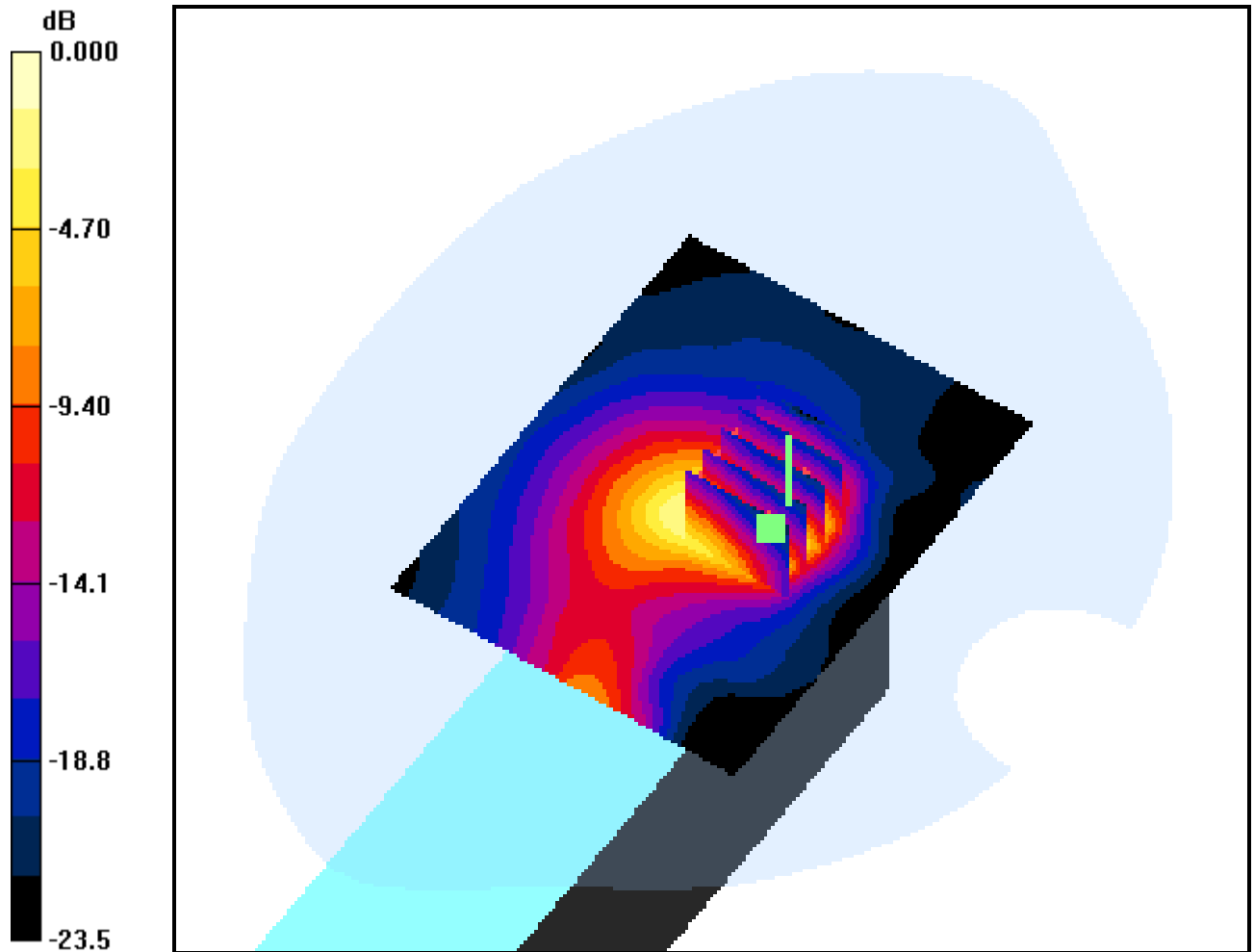
Area Scan (71x91x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

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) = 1.68 W/kg

SAR(1 g) = 0.634 mW/g; SAR(10 g) = 0.315 mW/g



0 dB = 0.999mW/g

DIGITAL EMC CO., LTD

DUT: DOTH-100; Type: Bar Type

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

Medium parameters used: $f = 1909.8 \text{ MHz}$; $\sigma = 1.6 \text{ mho/m}$; $\epsilon_r = 52.9$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

DASY4 Configuration:

Probe: EX3DV4 - SN3643; ConvF(7.45, 7.45, 7.45); Calibrated: 2009-01-14; Electronics: DAE3 Sn519

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

Measurement SW: DASY4, V4.7 Build 55; Postprocessing SW: SEMCAD, V1.8 Build 176

Test Date: 2009-10-28; Ambient Temp: 22.9; Tissue Temp: 22.4

Touch from Body, Vertical Front, PCS Ch.810, Ant Fixed, GPRS CLASS 10

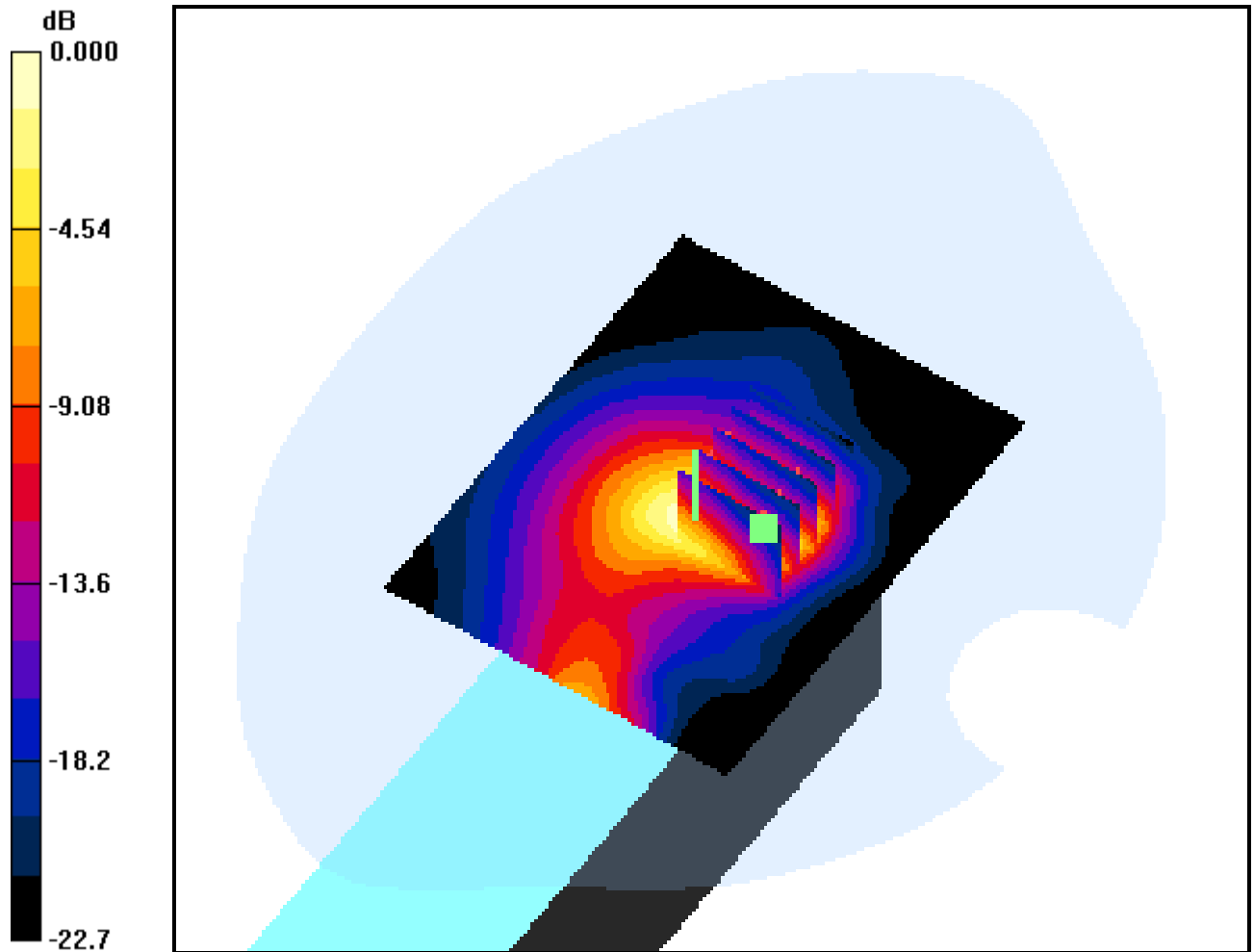
Area Scan (71x91x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

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) = 1.68 W/kg

SAR(1 g) = 0.672 mW/g; SAR(10 g) = 0.335 mW/g



0 dB = 1.00mW/g

DIGITAL EMC CO., LTD

DUT: DOTH-100; Type: Bar Type

Communication System: PCS1900; Frequency: 1880 MHz; Duty Cycle: 1:4.15
Medium parameters used: $f = 1880 \text{ MHz}$; $\sigma = 1.56 \text{ mho/m}$; $\epsilon_r = 53$; $\rho = 1000 \text{ kg/m}^3$
Phantom section: Flat Section

DASY4 Configuration:

Probe: EX3DV4 - SN3643; ConvF(7.45, 7.45, 7.45); Calibrated: 2009-01-14; Electronics: DAE3 Sn519
Phantom: SAM 1800/1900 MHz; Type: SAM; Serial: TP-1224
Measurement SW: DASY4, V4.7 Build 55; Postprocessing SW: SEMCAD, V1.8 Build 176

Test Date: 2009-10-28; Ambient Temp: 22.9; Tissue Temp: 22.4

Touch from Body, Vertical Back, PCS Ch.661, Ant Fixed, GPRS CLASS 10

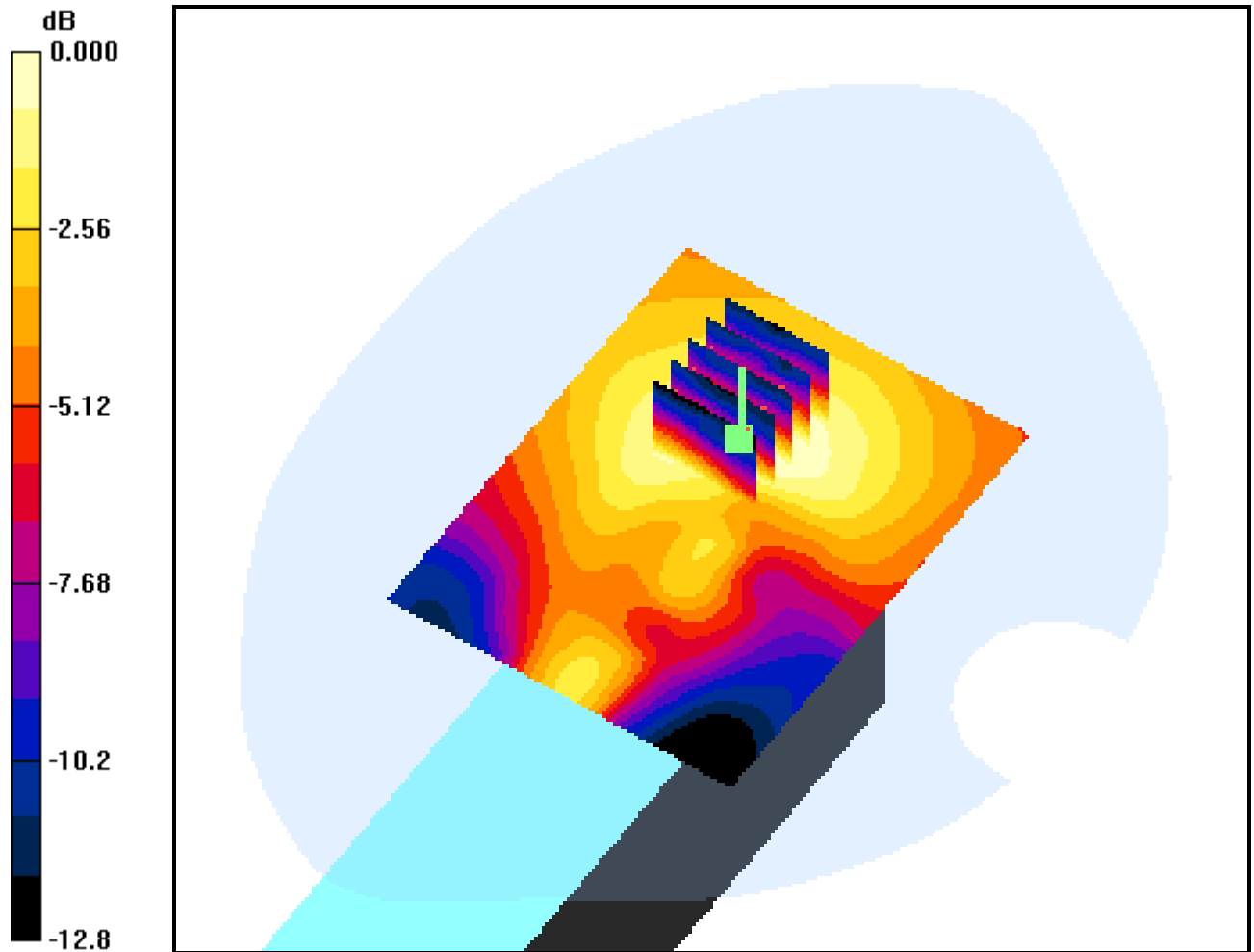
Area Scan (71x91x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

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

Power Drift = 0.164 dB

Peak SAR (extrapolated) = 0.069 W/kg

SAR(1 g) = 0.043 mW/g; SAR(10 g) = 0.027 mW/g



0 dB = 0.053mW/g

DIGITAL EMC CO., LTD

DUT: DOTH-100; Type: Bar Type

Communication System: PCS1900; Frequency: 1880 MHz; Duty Cycle: 1:4.15
Medium parameters used: $f = 1880 \text{ MHz}$; $\sigma = 1.56 \text{ mho/m}$; $\epsilon_r = 53$; $\rho = 1000 \text{ kg/m}^3$
Phantom section: Flat Section

DASY4 Configuration:

Probe: EX3DV4 - SN3643; ConvF(7.45, 7.45, 7.45); Calibrated: 2009-01-14; Electronics: DAE3 Sn519
Phantom: SAM 1800/1900 MHz; Type: SAM; Serial: TP-1224
Measurement SW: DASY4, V4.7 Build 55; Postprocessing SW: SEMCAD, V1.8 Build 176

Test Date: 2009-10-28; Ambient Temp: 22.9; Tissue Temp: 22.4

Touch from Body, Top, PCS Ch.661, Ant Fixed, GPRS CLASS 10

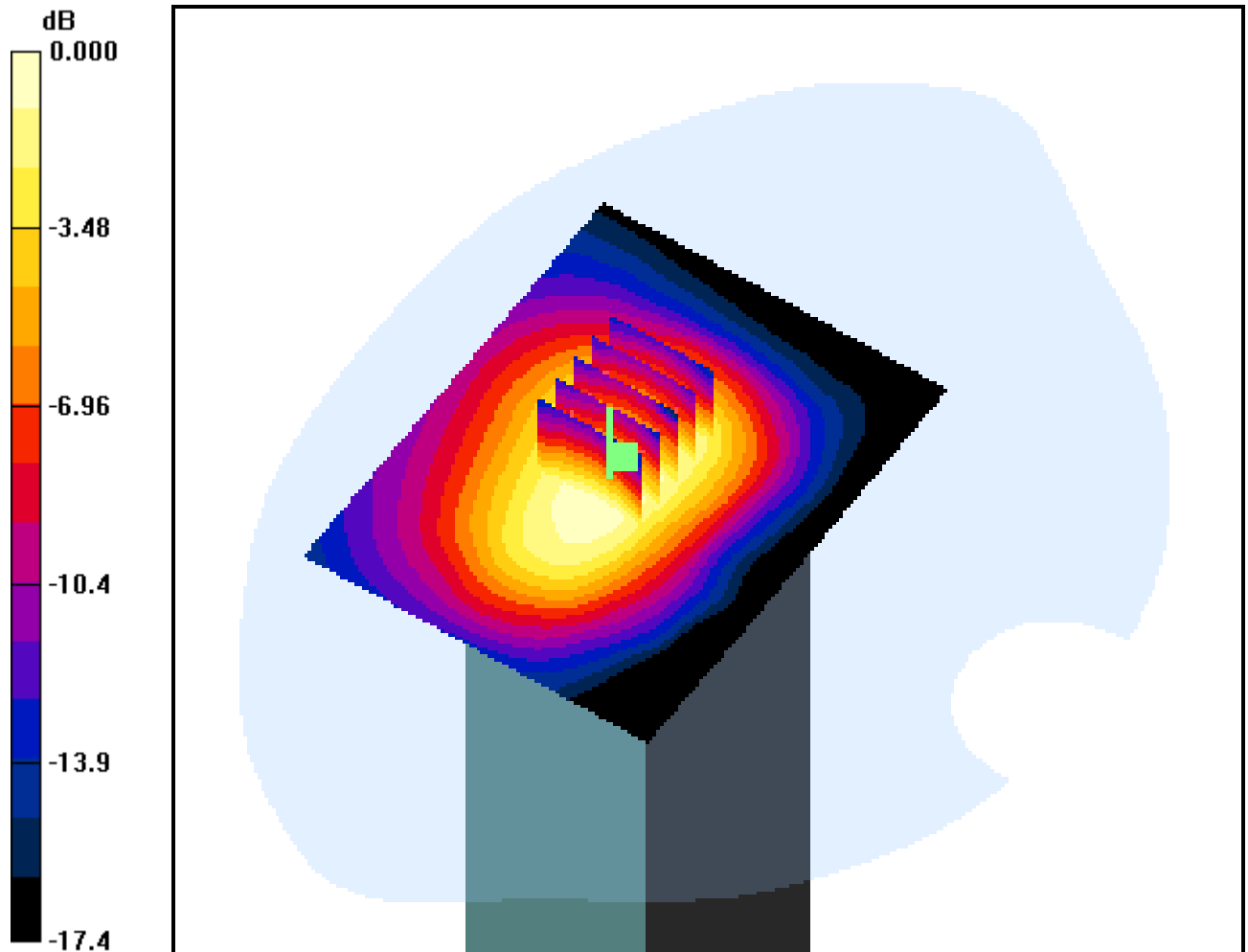
Area Scan (71x91x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

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

Power Drift = 0.284 dB

Peak SAR (extrapolated) = 0.340 W/kg

SAR(1 g) = 0.219 mW/g; SAR(10 g) = 0.142 mW/g



0 dB = 0.269mW/g

DIGITAL EMC CO., LTD

DUT: DOTH-100; Type: Bar Type

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

Medium parameters used: $f = 1880 \text{ MHz}$; $\sigma = 1.56 \text{ mho/m}$; $\epsilon_r = 53$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

DASY4 Configuration:

Probe: EX3DV4 - SN3643; ConvF(7.45, 7.45, 7.45); Calibrated: 2009-01-14; Electronics: DAE3 Sn519

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

Measurement SW: DASY4, V4.7 Build 55; Postprocessing SW: SEMCAD, V1.8 Build 176

Test Date: 2009-10-28; Ambient Temp: 22.9; Tissue Temp: 22.4

Touch from Body, Horizontal Up, PCS Ch.661, Ant Fixed

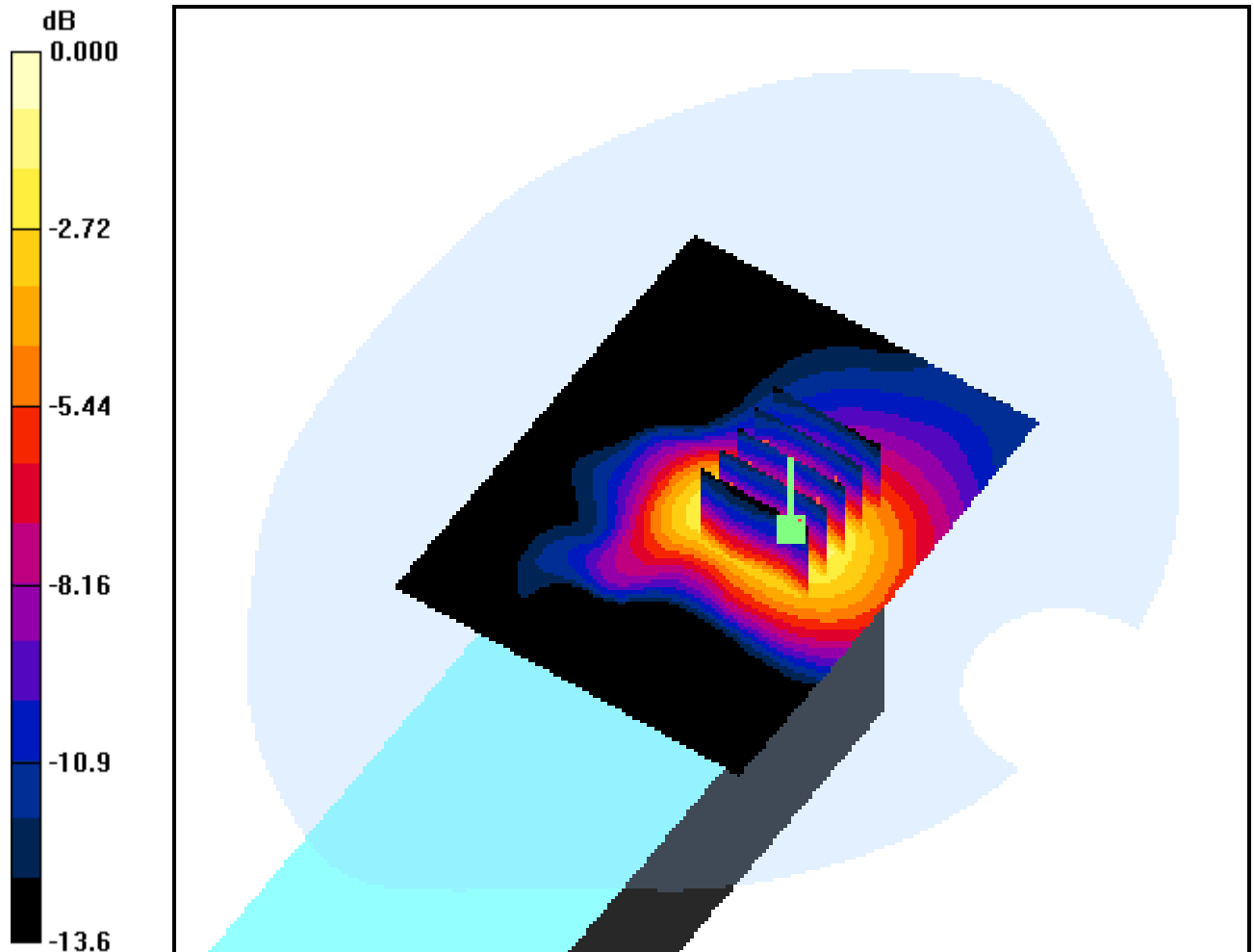
Area Scan (71x91x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

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

Power Drift = 0.161 dB

Peak SAR (extrapolated) = 0.169 W/kg

SAR(1 g) = 0.096 mW/g; SAR(10 g) = 0.055 mW/g



0 dB = 0.126mW/g

DIGITAL EMC CO., LTD

DUT: DOTH-100; Type: Bar Type

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

Medium parameters used: $f = 1880 \text{ MHz}$; $\sigma = 1.56 \text{ mho/m}$; $\epsilon_r = 53$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

DASY4 Configuration:

Probe: EX3DV4 - SN3643; ConvF(7.45, 7.45, 7.45); Calibrated: 2009-01-14; Electronics: DAE3 Sn519

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

Measurement SW: DASY4, V4.7 Build 55; Postprocessing SW: SEMCAD, V1.8 Build 176

Test Date: 2009-10-28; Ambient Temp: 22.9; Tissue Temp: 22.4

Touch from Body, Horizontal Down, PCS Ch.661, Ant Fixed

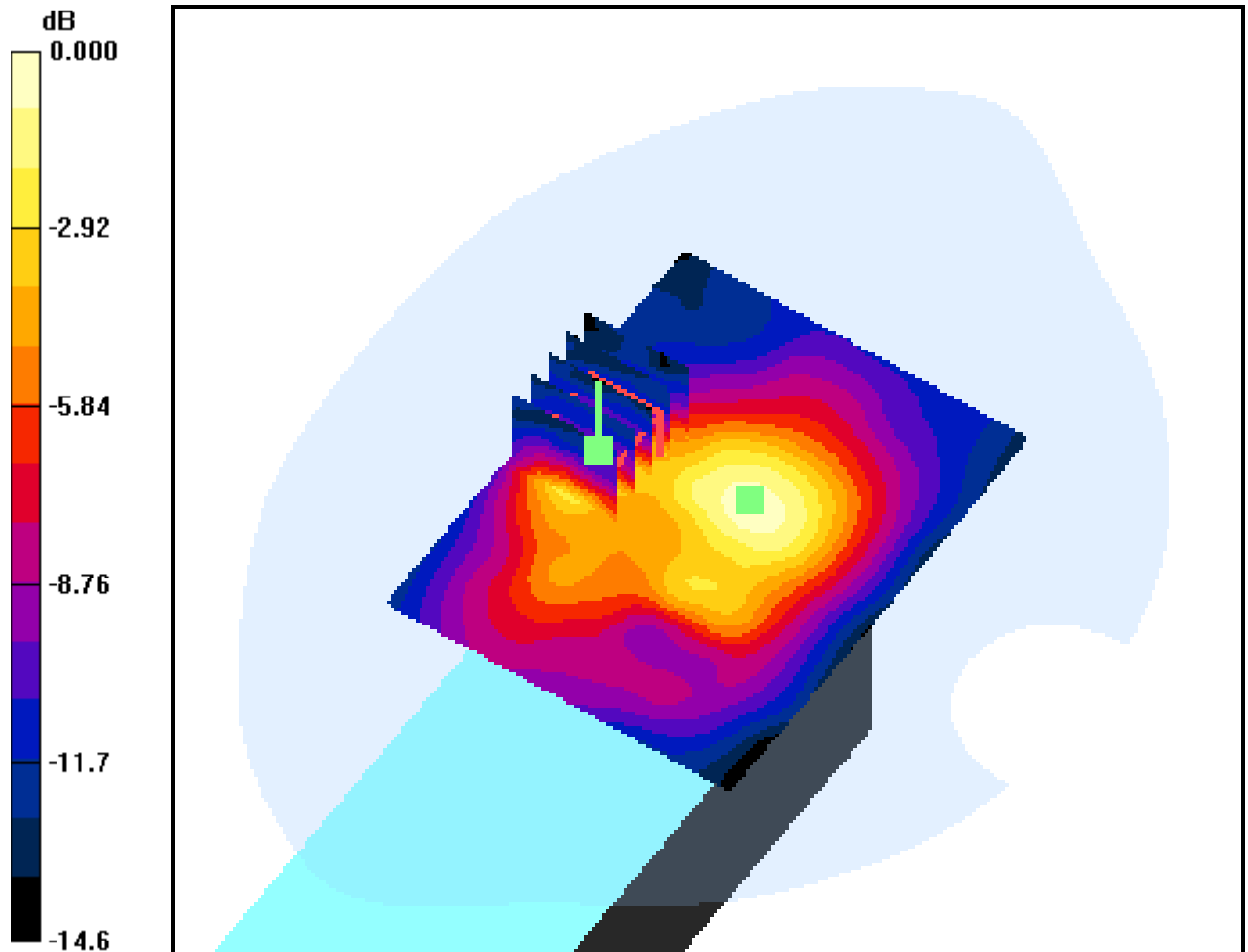
Area Scan (71x91x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

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

Power Drift = 0.075 dB

Peak SAR (extrapolated) = 0.110 W/kg

SAR(1 g) = 0.050 mW/g; SAR(10 g) = 0.024 mW/g



0 dB = 0.077mW/g

DIGITAL EMC CO., LTD

DUT: DOTH-100; Type: Bar Type

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

Medium parameters used: $f = 1880 \text{ MHz}$; $\sigma = 1.56 \text{ mho/m}$; $\epsilon_r = 53$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

DASY4 Configuration:

Probe: EX3DV4 - SN3643; ConvF(7.45, 7.45, 7.45); Calibrated: 2009-01-14; Electronics: DAE3 Sn519

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

Measurement SW: DASY4, V4.7 Build 55; Postprocessing SW: SEMCAD, V1.8 Build 176

Test Date: 2009-10-28; Ambient Temp: 22.9; Tissue Temp: 22.4

Touch from Body, Horizontal Down, PCS Ch.661, Ant Fixed

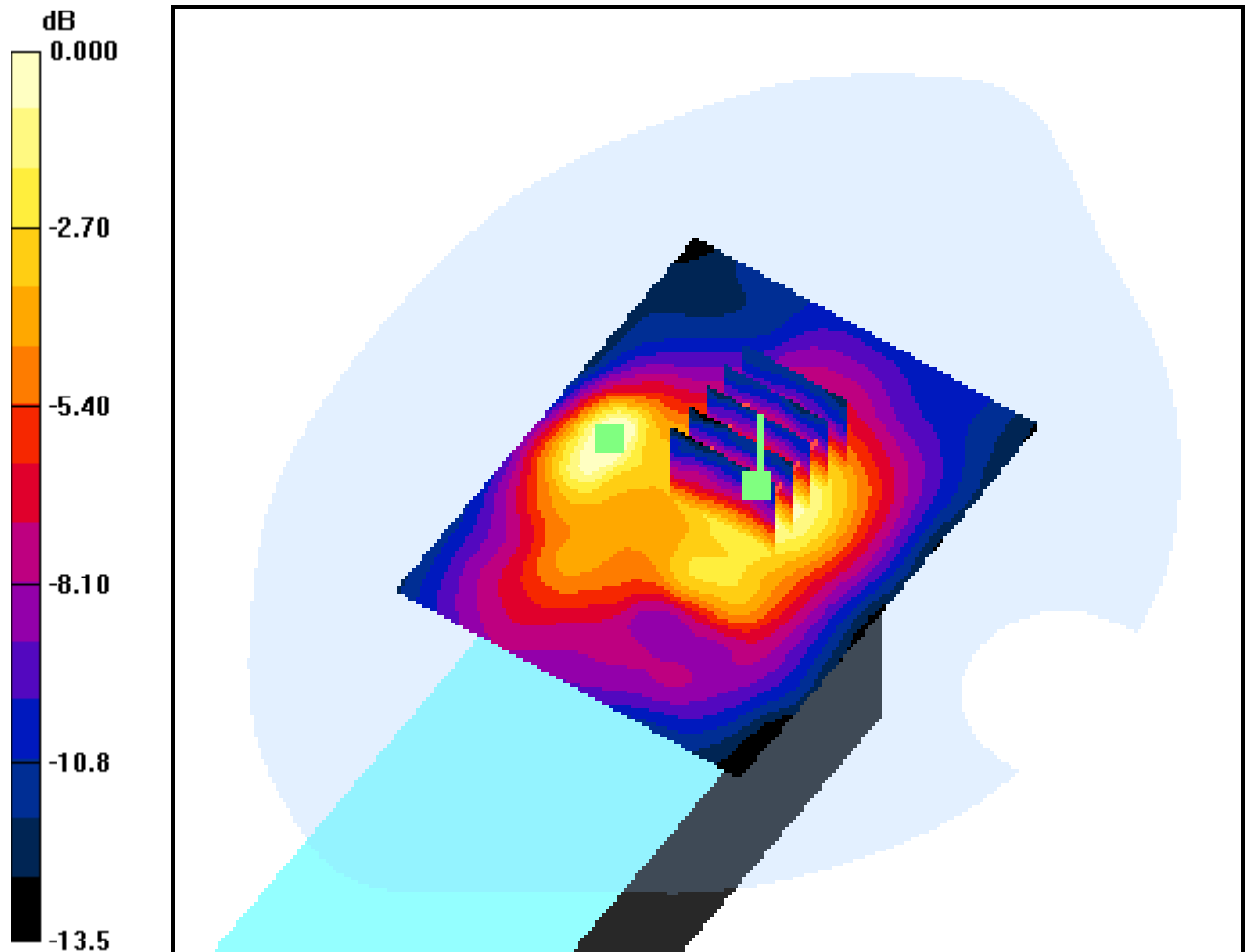
Area Scan (71x91x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

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

Power Drift = 0.075 dB

Peak SAR (extrapolated) = 0.091 W/kg

SAR(1 g) = 0.056 mW/g; SAR(10 g) = 0.034 mW/g



0 dB = 0.069mW/g

DIGITAL EMC CO., LTD

DUT: DOTH-100; Type: Bar Type

Communication System: PCS1900; Frequency: 1850.2 MHz; Duty Cycle: 1:8.3
Medium parameters used: $f = 1850.2 \text{ MHz}$; $\sigma = 1.52 \text{ mho/m}$; $\epsilon_r = 53.1$; $\rho = 1000 \text{ kg/m}^3$
Phantom section: Flat Section

DASY4 Configuration:

Probe: EX3DV4 - SN3643; ConvF(7.45, 7.45, 7.45); Calibrated: 2009-01-14; Electronics: DAE3 Sn519
Phantom: SAM 1800/1900 MHz; Type: SAM; Serial: TP-1224
Measurement SW: DASY4, V4.7 Build 55; Postprocessing SW: SEMCAD, V1.8 Build 176

Test Date: 2009-10-28; Ambient Temp: 22.9; Tissue Temp: 22.4

Touch from Body, Vertical Front, PCS Ch.512, Ant Fixed

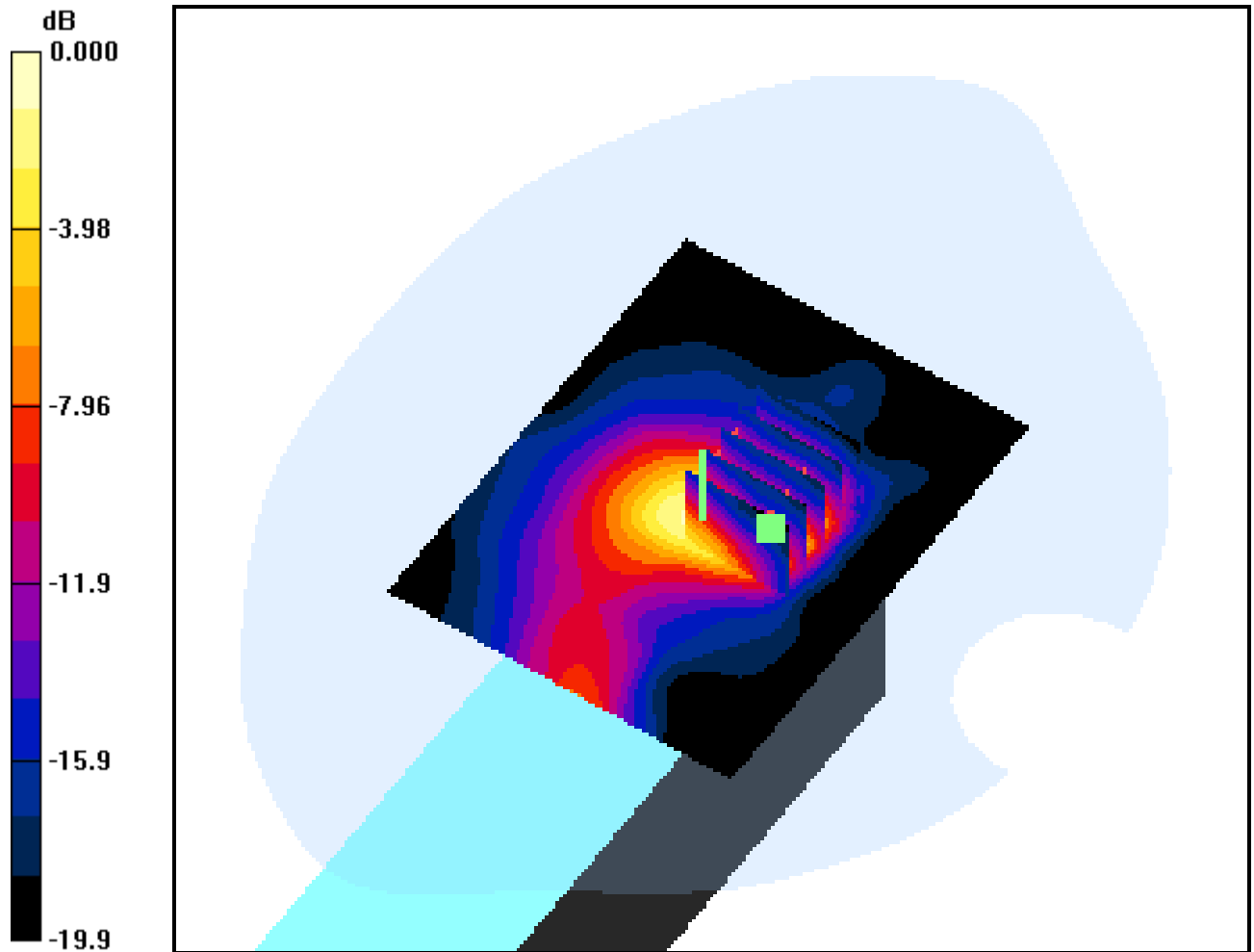
Area Scan (71x91x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

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

Power Drift = -0.004 dB

Peak SAR (extrapolated) = 0.660 W/kg

SAR(1 g) = 0.251 mW/g; SAR(10 g) = 0.127 mW/g



0 dB = 0.398mW/g

DIGITAL EMC CO., LTD

DUT: DOTH-100; Type: Bar Type

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

Medium parameters used: $f = 1880 \text{ MHz}$; $\sigma = 1.56 \text{ mho/m}$; $\epsilon_r = 53$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

DASY4 Configuration:

Probe: EX3DV4 - SN3643; ConvF(7.45, 7.45, 7.45); Calibrated: 2009-01-14; Electronics: DAE3 Sn519

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

Measurement SW: DASY4, V4.7 Build 55; Postprocessing SW: SEMCAD, V1.8 Build 176

Test Date: 2009-10-28; Ambient Temp: 22.9; Tissue Temp: 22.4

Touch from Body, Vertical Front, PCS Ch.661, Ant Fixed

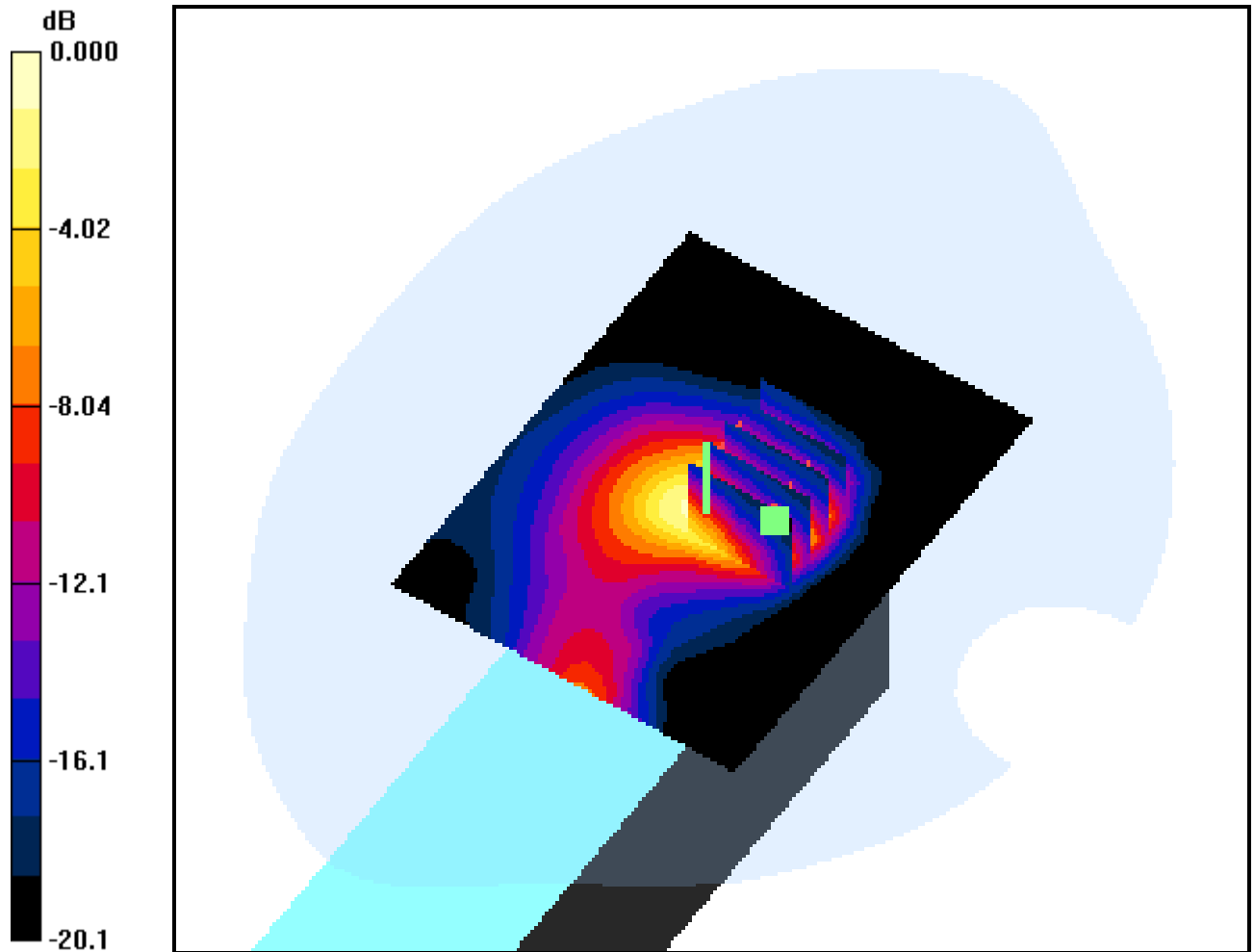
Area Scan (71x91x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

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

Power Drift = 0.055 dB

Peak SAR (extrapolated) = 0.833 W/kg

SAR(1 g) = 0.332 mW/g; SAR(10 g) = 0.164 mW/g



0 dB = 0.538mW/g

DIGITAL EMC CO., LTD

DUT: DOTH-100; Type: Bar Type

Communication System: PCS1900; Frequency: 1909.8 MHz; Duty Cycle: 1:8.3
Medium parameters used: $f = 1909.8 \text{ MHz}$; $\sigma = 1.6 \text{ mho/m}$; $\epsilon_r = 52.9$; $\rho = 1000 \text{ kg/m}^3$
Phantom section: Flat Section

DASY4 Configuration:

Probe: EX3DV4 - SN3643; ConvF(7.45, 7.45, 7.45); Calibrated: 2009-01-14; Electronics: DAE3 Sn519
Phantom: SAM 1800/1900 MHz; Type: SAM; Serial: TP-1224
Measurement SW: DASY4, V4.7 Build 55; Postprocessing SW: SEMCAD, V1.8 Build 176

Test Date: 2009-10-28; Ambient Temp: 22.9; Tissue Temp: 22.4

Touch from Body, Vertical Front, PCS Ch.810, Ant Fixed

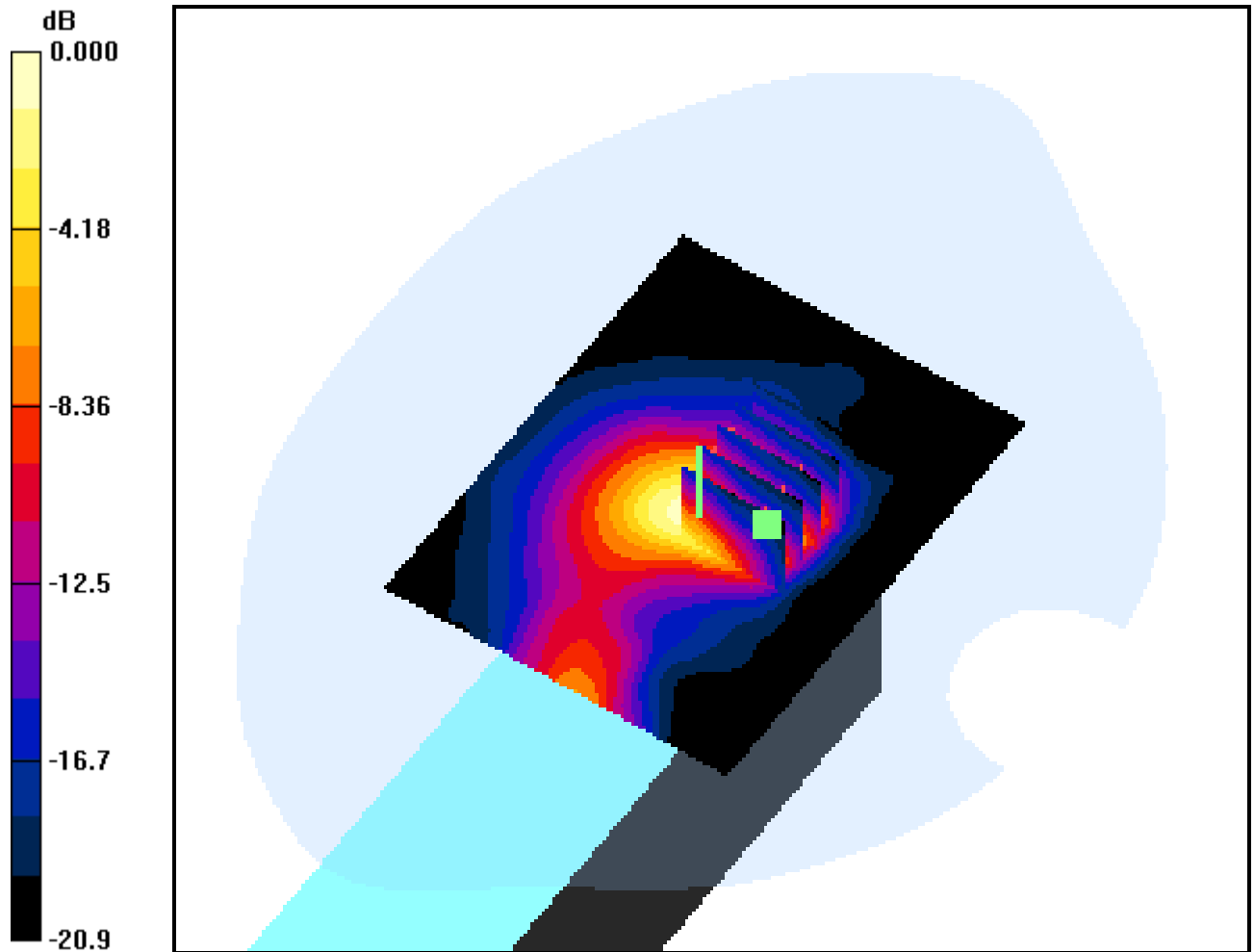
Area Scan (71x91x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

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

Power Drift = 0.009 dB

Peak SAR (extrapolated) = 0.819 W/kg

SAR(1 g) = 0.362 mW/g; SAR(10 g) = 0.173 mW/g



0 dB = 0.593mW/g

DIGITAL EMC CO., LTD

DUT: DOTH-100; Type: Bar Type

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

Medium parameters used: $f = 1880 \text{ MHz}$; $\sigma = 1.56 \text{ mho/m}$; $\epsilon_r = 53$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

DASY4 Configuration:

Probe: EX3DV4 - SN3643; ConvF(7.45, 7.45, 7.45); Calibrated: 2009-01-14; Electronics: DAE3 Sn519

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

Measurement SW: DASY4, V4.7 Build 55; Postprocessing SW: SEMCAD, V1.8 Build 176

Test Date: 2009-10-28; Ambient Temp: 22.9; Tissue Temp: 22.4

Touch from Body, Vertical Back, PCS Ch.661, Ant Fixed

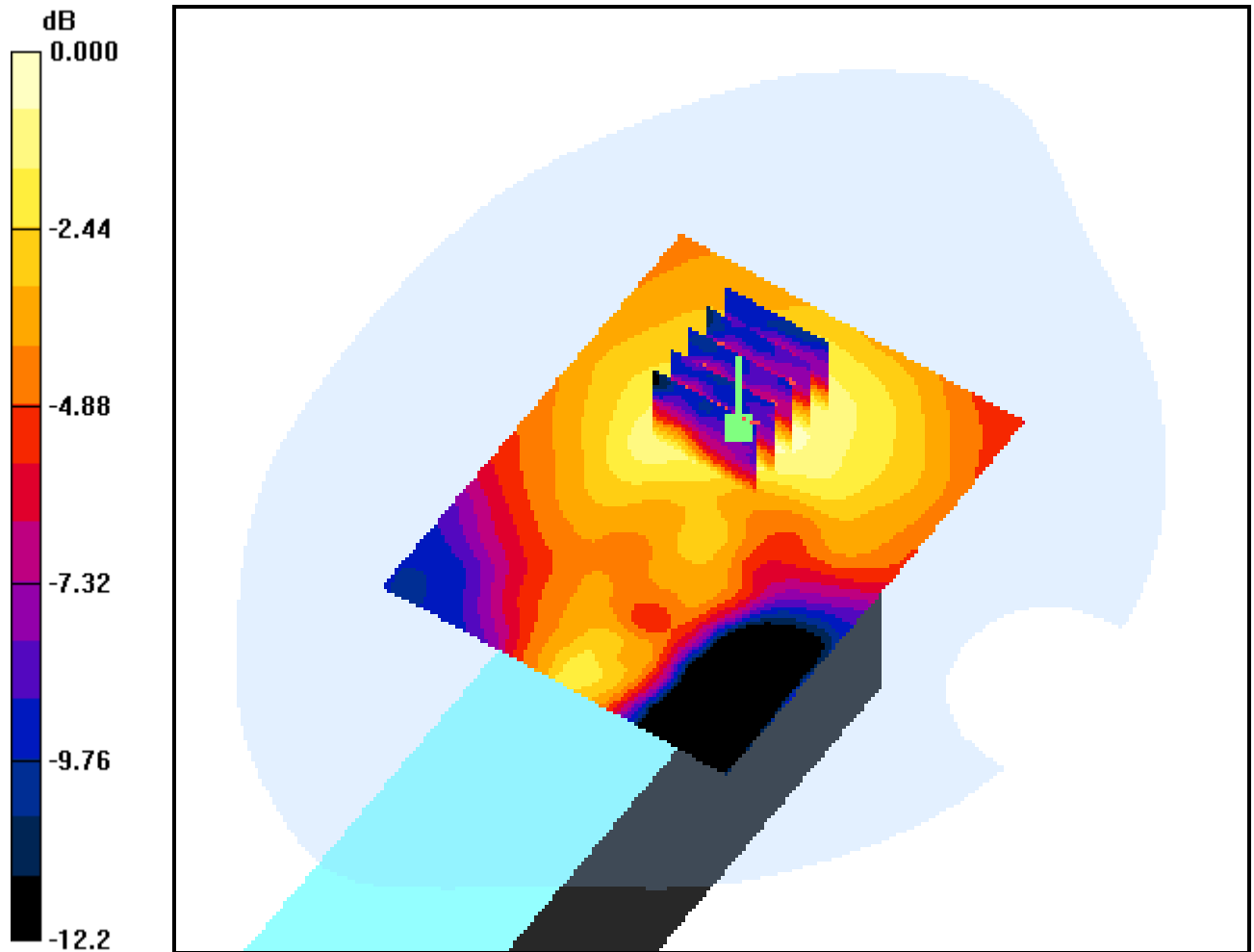
Area Scan (71x91x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

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) = 0.038 W/kg

SAR(1 g) = 0.023 mW/g; SAR(10 g) = 0.014 mW/g



0 dB = 0.029mW/g

DIGITAL EMC CO., LTD

DUT: DOTH-100; Type: Bar Type

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

Medium parameters used: $f = 1880 \text{ MHz}$; $\sigma = 1.56 \text{ mho/m}$; $\epsilon_r = 53$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

DASY4 Configuration:

Probe: EX3DV4 - SN3643; ConvF(7.45, 7.45, 7.45); Calibrated: 2009-01-14; Electronics: DAE3 Sn519

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

Measurement SW: DASY4, V4.7 Build 55; Postprocessing SW: SEMCAD, V1.8 Build 176

Test Date: 2009-10-28; Ambient Temp: 22.9; Tissue Temp: 22.4

Touch from Body, Top, PCS Ch.661, Ant Fixed

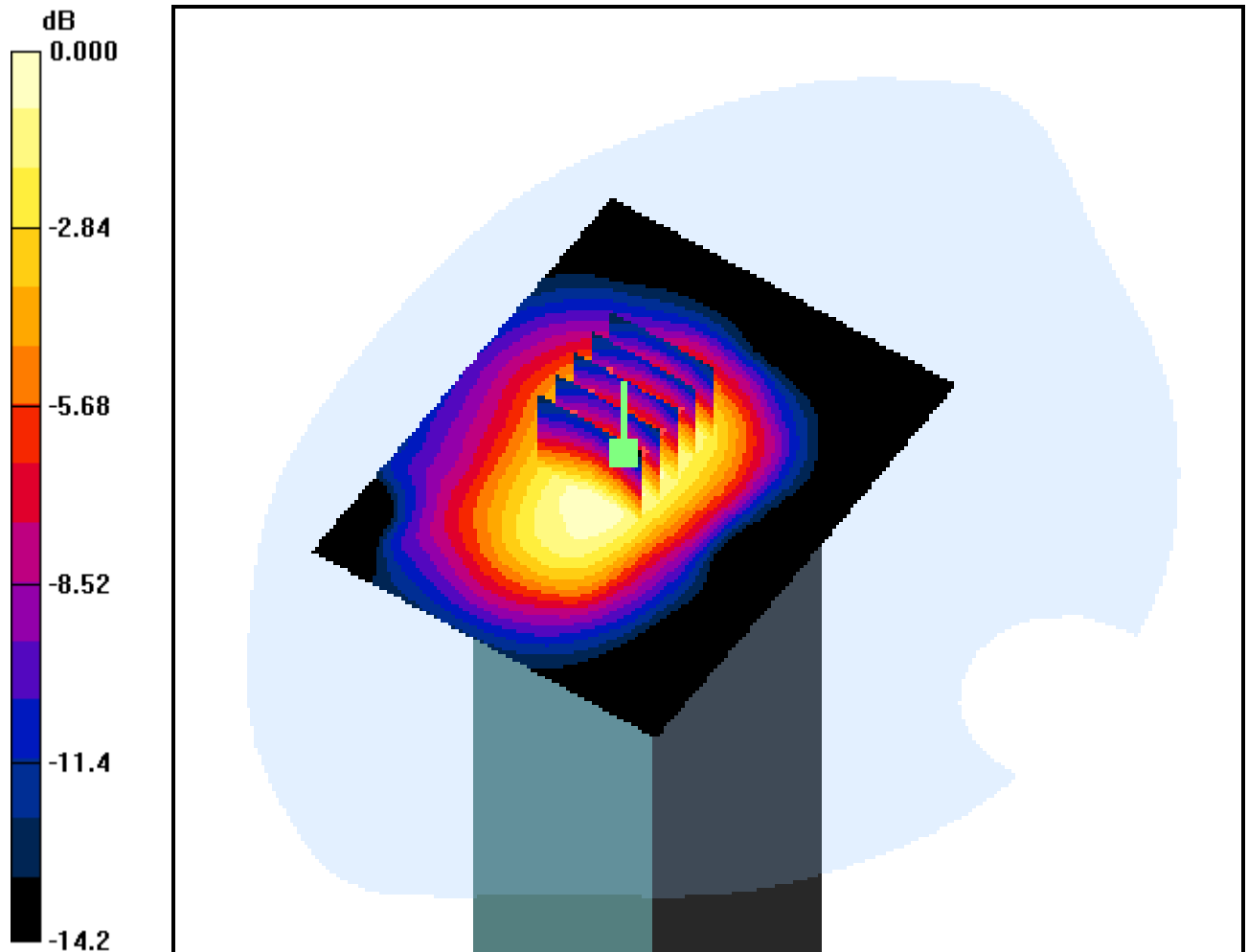
Area Scan (71x91x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

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) = 0.186 W/kg

SAR(1 g) = 0.121 mW/g; SAR(10 g) = 0.078 mW/g



0 dB = 0.148mW/g

DIGITAL EMC CO., LTD

DUT: DOTH-100; Type: Bar Type

Communication System: W-LAN; Frequency: 2412 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 2412 \text{ MHz}$; $\sigma = 1.93 \text{ mho/m}$; $\epsilon_r = 51.5$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

DASY4 Configuration:

Probe: EX3DV4 - SN3643; ConvF(6.8, 6.8, 6.8); Calibrated: 2009-01-14; Electronics: DAE3 Sn519

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

Measurement SW: DASY4, V4.7 Build 55; Postprocessing SW: SEMCAD, V1.8 Build 176

Test Date: 2009-10-29; Ambient Temp: 21.7; Tissue Temp: 21.6

Touch from Body, Front, W-LAN(802.11b)Ch.1, Ant Fixed

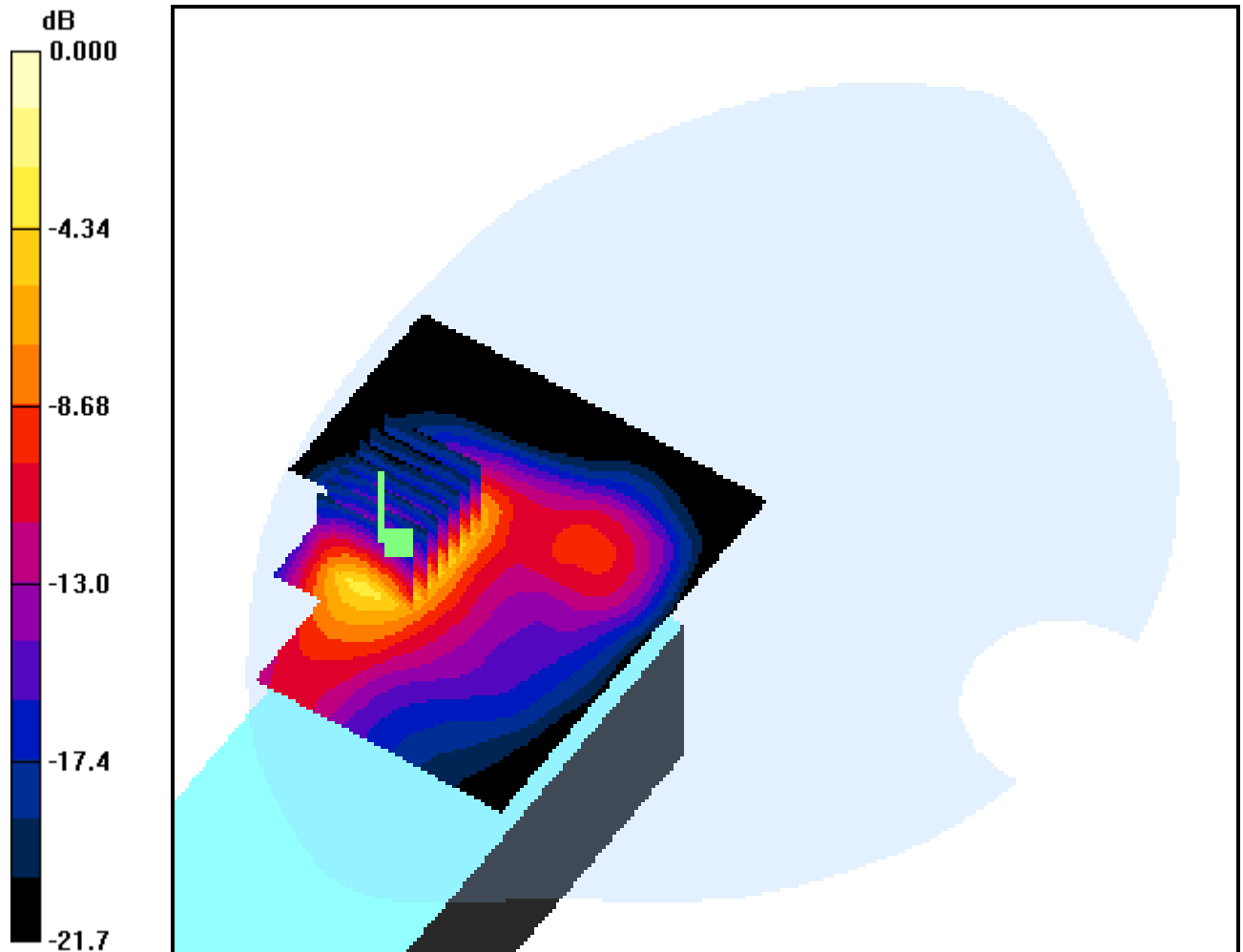
Area Scan (71x81x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

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

Power Drift = 0.022 dB

Peak SAR (extrapolated) = 1.39 W/kg

SAR(1 g) = 0.565 mW/g; SAR(10 g) = 0.245 mW/g



0 dB = 0.847mW/g

DIGITAL EMC CO., LTD

DUT: DOTH-100; Type: Bar Type

Communication System: W-LAN; Frequency: 2437 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 2437 \text{ MHz}$; $\sigma = 1.96 \text{ mho/m}$; $\epsilon_r = 51.4$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

DASY4 Configuration:

Probe: EX3DV4 - SN3643; ConvF(6.8, 6.8, 6.8); Calibrated: 2009-01-14; Electronics: DAE3 Sn519

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

Measurement SW: DASY4, V4.7 Build 55; Postprocessing SW: SEMCAD, V1.8 Build 176

Test Date: 2009-10-29; Ambient Temp: 21.7; Tissue Temp: 21.6

Touch from Body, Front, W-LAN(802.11b)Ch.6, Ant Fixed

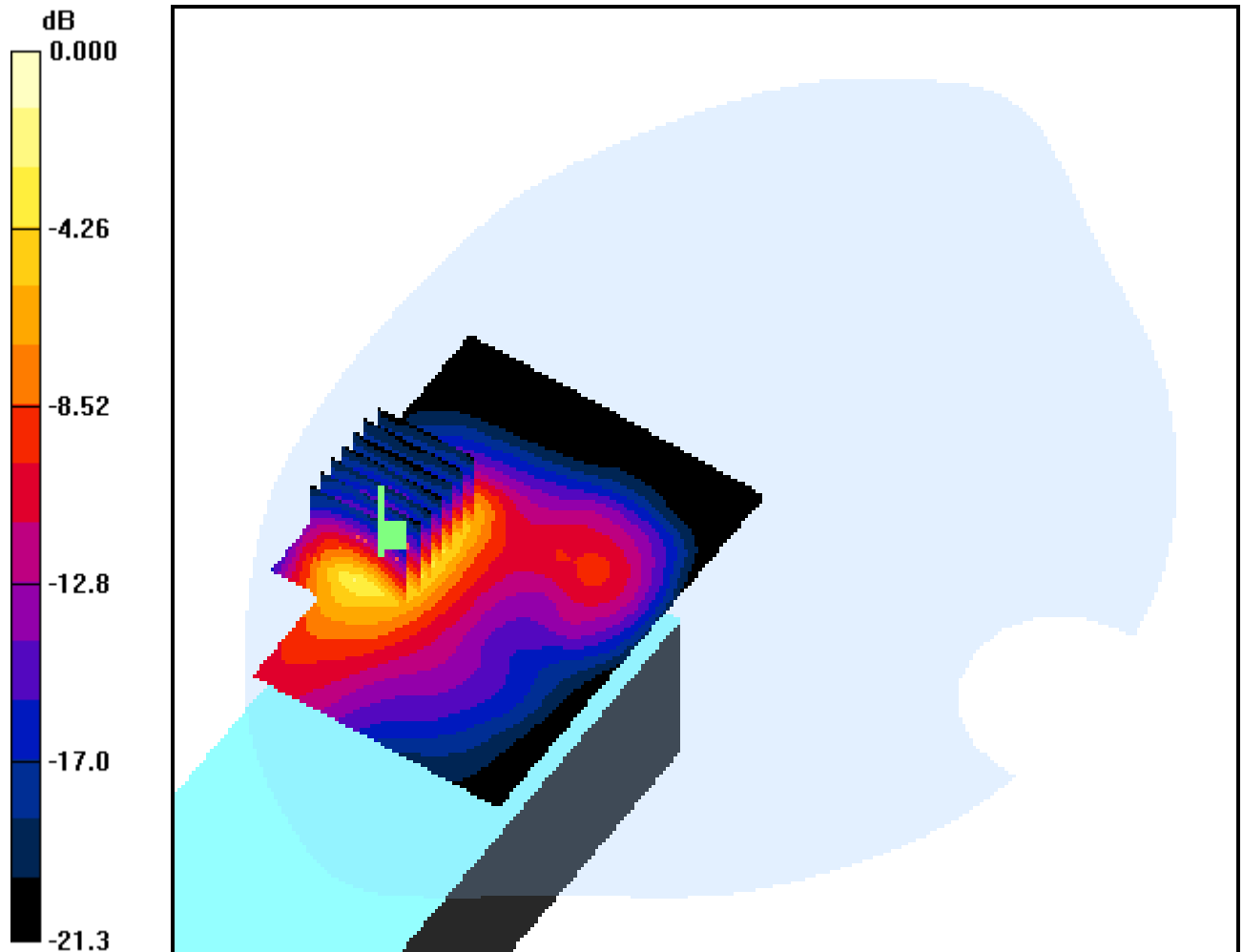
Area Scan (61x81x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

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

Power Drift = -0.112 dB

Peak SAR (extrapolated) = 1.29 W/kg

SAR(1 g) = 0.531 mW/g; SAR(10 g) = 0.230 mW/g



0 dB = 0.787mW/g

DIGITAL EMC CO., LTD

DUT: DOTH-100; Type: Bar Type

Communication System: W-LAN; Frequency: 2462 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 2462 \text{ MHz}$; $\sigma = 1.99 \text{ mho/m}$; $\epsilon_r = 51.2$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

DASY4 Configuration:

Probe: EX3DV4 - SN3643; ConvF(6.8, 6.8, 6.8); Calibrated: 2009-01-14; Electronics: DAE3 Sn519

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

Measurement SW: DASY4, V4.7 Build 55; Postprocessing SW: SEMCAD, V1.8 Build 176

Test Date: 2009-10-29; Ambient Temp: 21.7; Tissue Temp: 21.6

Touch from Body, Front, W-LAN(802.11b)Ch.11, Ant Fixed

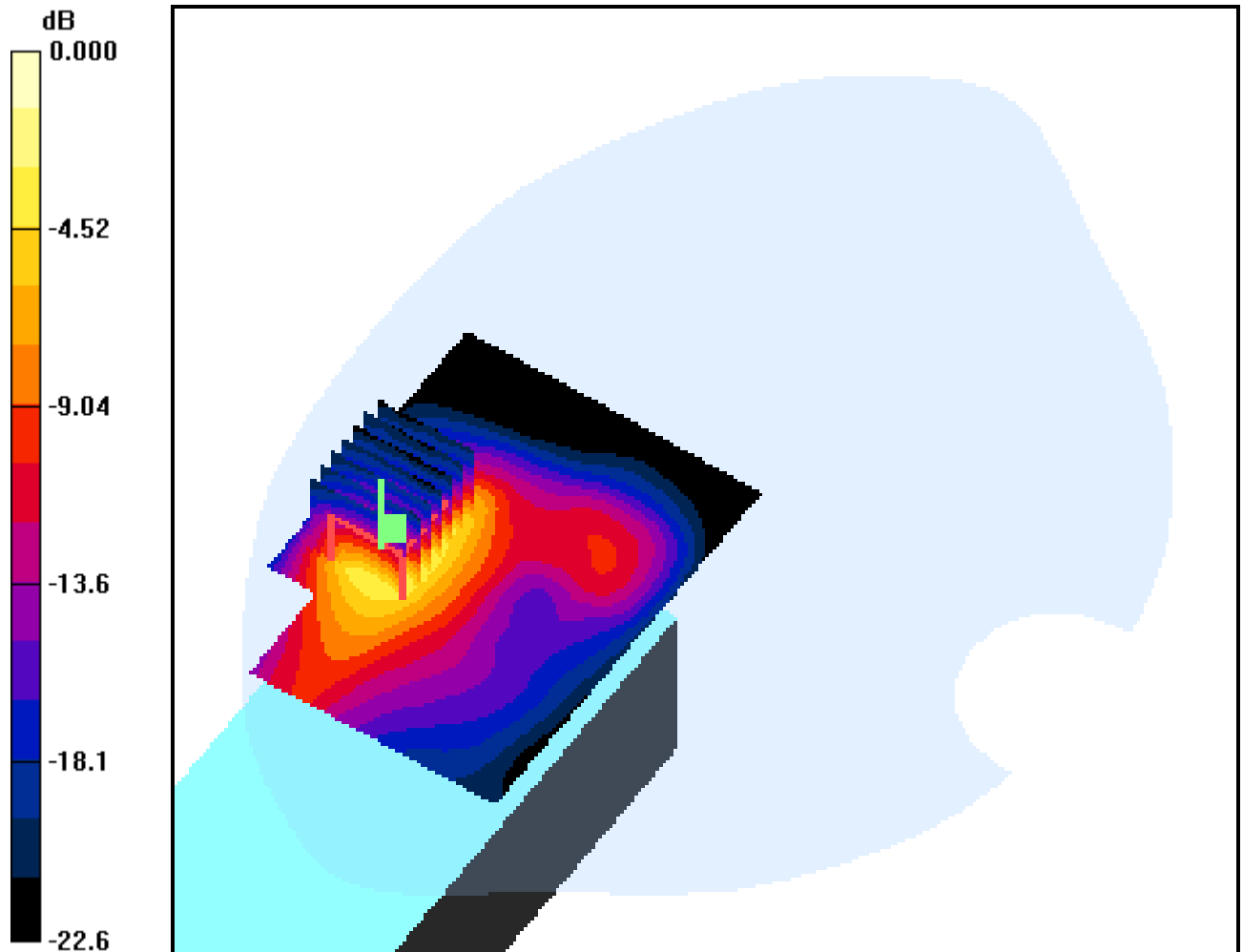
Area Scan (61x81x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

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

Power Drift = 0.340 dB

Peak SAR (extrapolated) = 1.91 W/kg

SAR(1 g) = 0.772 mW/g; SAR(10 g) = 0.329 mW/g



0 dB = 1.16mW/g

DIGITAL EMC CO., LTD

DUT: DOTH-100; Type: Bar Type

Communication System: W-LAN; Frequency: 2437 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 2437 \text{ MHz}$; $\sigma = 1.96 \text{ mho/m}$; $\epsilon_r = 51.4$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

DASY4 Configuration:

Probe: EX3DV4 - SN3643; ConvF(6.8, 6.8, 6.8); Calibrated: 2009-01-14; Electronics: DAE3 Sn519

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

Measurement SW: DASY4, V4.7 Build 55; Postprocessing SW: SEMCAD, V1.8 Build 176

Test Date: 2009-10-29; Ambient Temp: 21.7; Tissue Temp: 21.6

Touch from Body, Back, W-LAN(802.11b)Ch.6, Ant Fixed

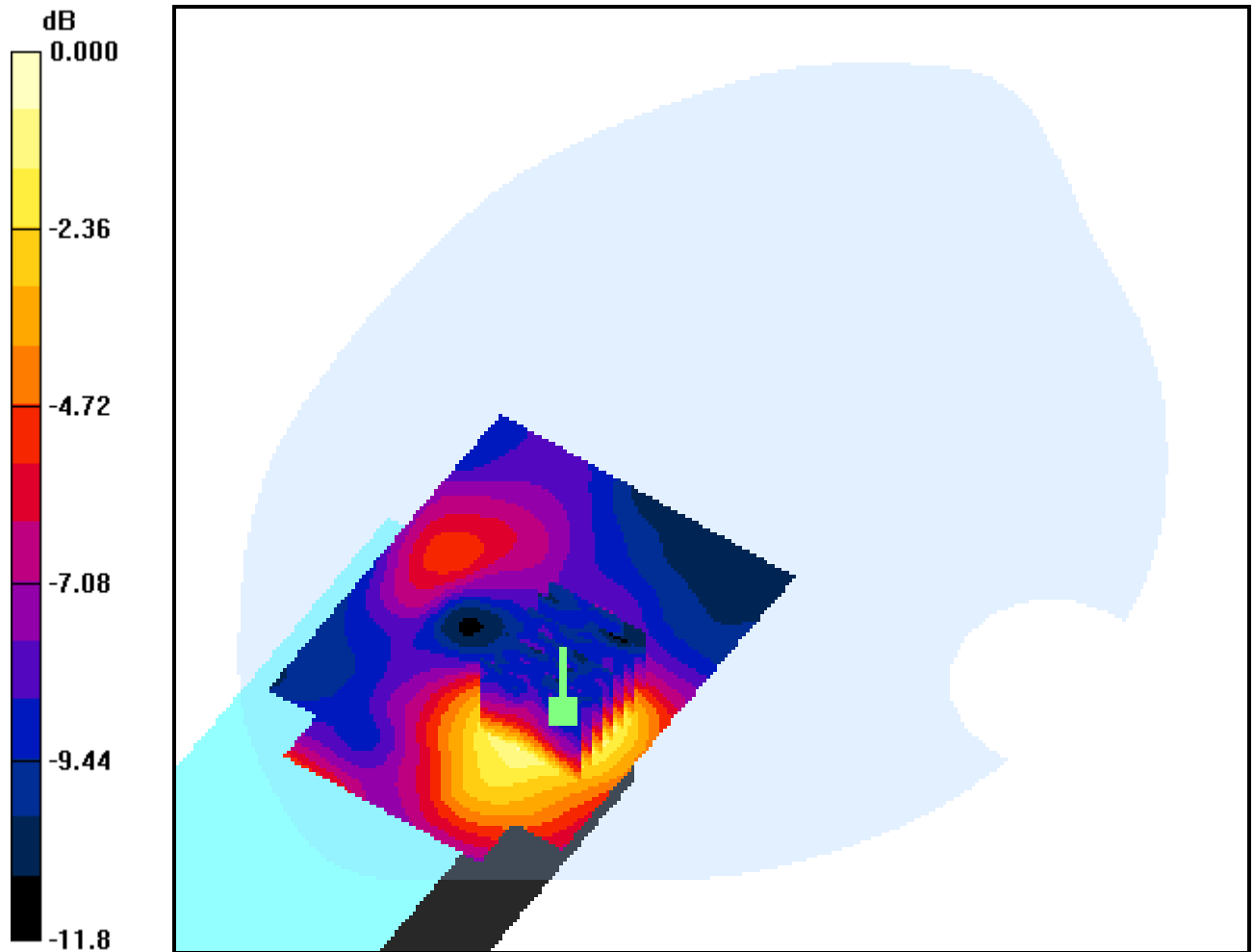
Area Scan (61x81x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

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

Power Drift = 0.297 dB

Peak SAR (extrapolated) = 0.071 W/kg

SAR(1 g) = 0.037 mW/g; SAR(10 g) = 0.021 mW/g



0 dB = 0.048mW/g

DIGITAL EMC CO., LTD

DUT: DOTH-100; Type: Bar Type

Communication System: W-LAN; Frequency: 2437 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 2437 \text{ MHz}$; $\sigma = 1.96 \text{ mho/m}$; $\epsilon_r = 51.4$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

DASY4 Configuration:

Probe: EX3DV4 - SN3643; ConvF(6.8, 6.8, 6.8); Calibrated: 2009-01-14; Electronics: DAE3 Sn519

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

Measurement SW: DASY4, V4.7 Build 55; Postprocessing SW: SEMCAD, V1.8 Build 176

Test Date: 2009-10-29; Ambient Temp: 21.7; Tissue Temp: 21.6

Touch from Body, Left, W-LAN(802.11b)Ch.6, Ant Fixed

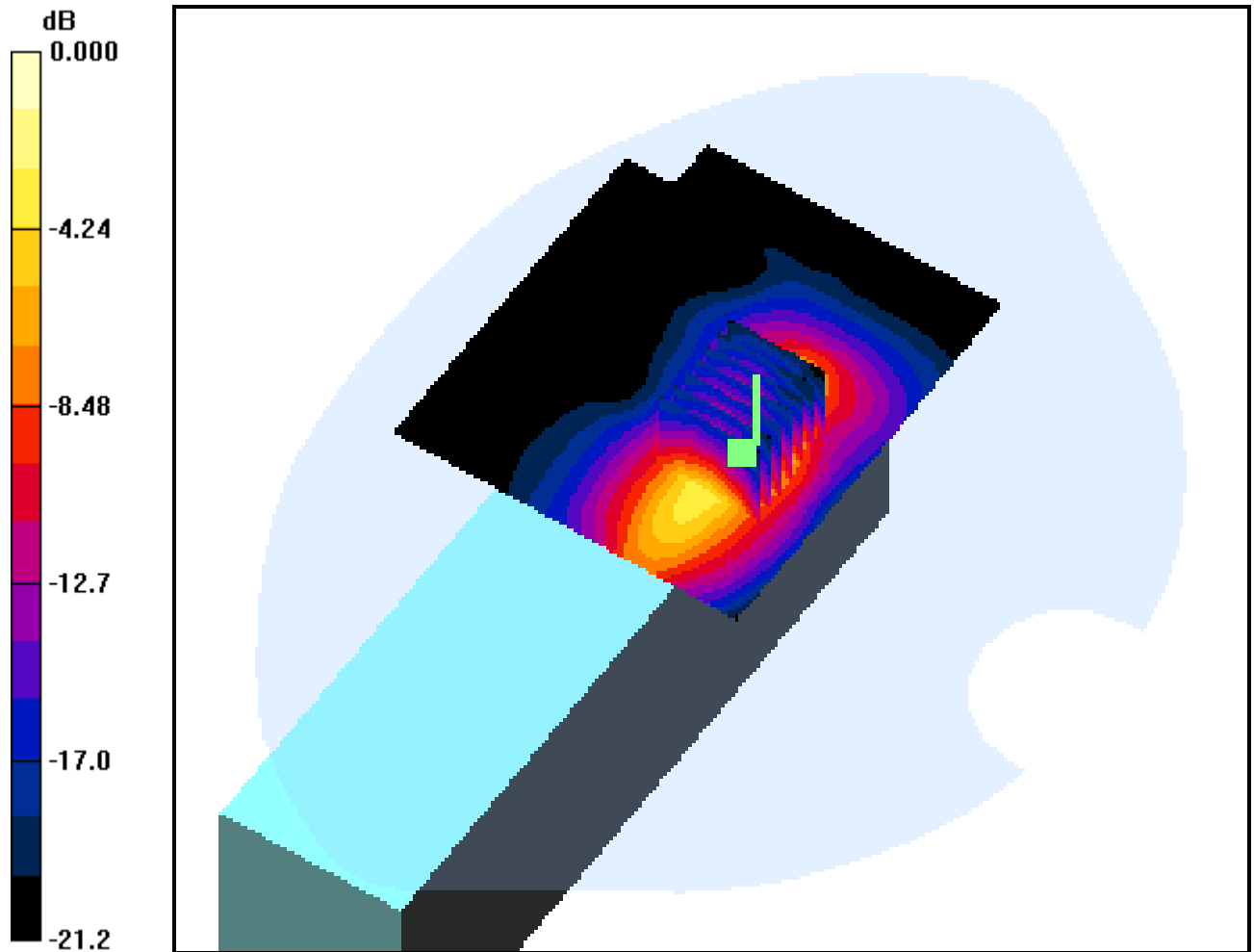
Area Scan (71x81x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

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

Power Drift = -0.042 dB

Peak SAR (extrapolated) = 0.904 W/kg

SAR(1 g) = 0.381 mW/g; SAR(10 g) = 0.159 mW/g



0 dB = 0.563mW/g

DIGITAL EMC CO., LTD

DUT: DOTH-100; Type: Bar Type

Communication System: W-LAN; Frequency: 2437 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 2437 \text{ MHz}$; $\sigma = 1.96 \text{ mho/m}$; $\epsilon_r = 51.4$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

DASY4 Configuration:

Probe: EX3DV4 - SN3643; ConvF(6.8, 6.8, 6.8); Calibrated: 2009-01-14; Electronics: DAE3 Sn519

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

Measurement SW: DASY4, V4.7 Build 55; Postprocessing SW: SEMCAD, V1.8 Build 176

Test Date: 2009-10-29; Ambient Temp: 21.7; Tissue Temp: 21.6

Touch from Body, Right, W-LAN(802.11b)Ch.6, Ant Fixed

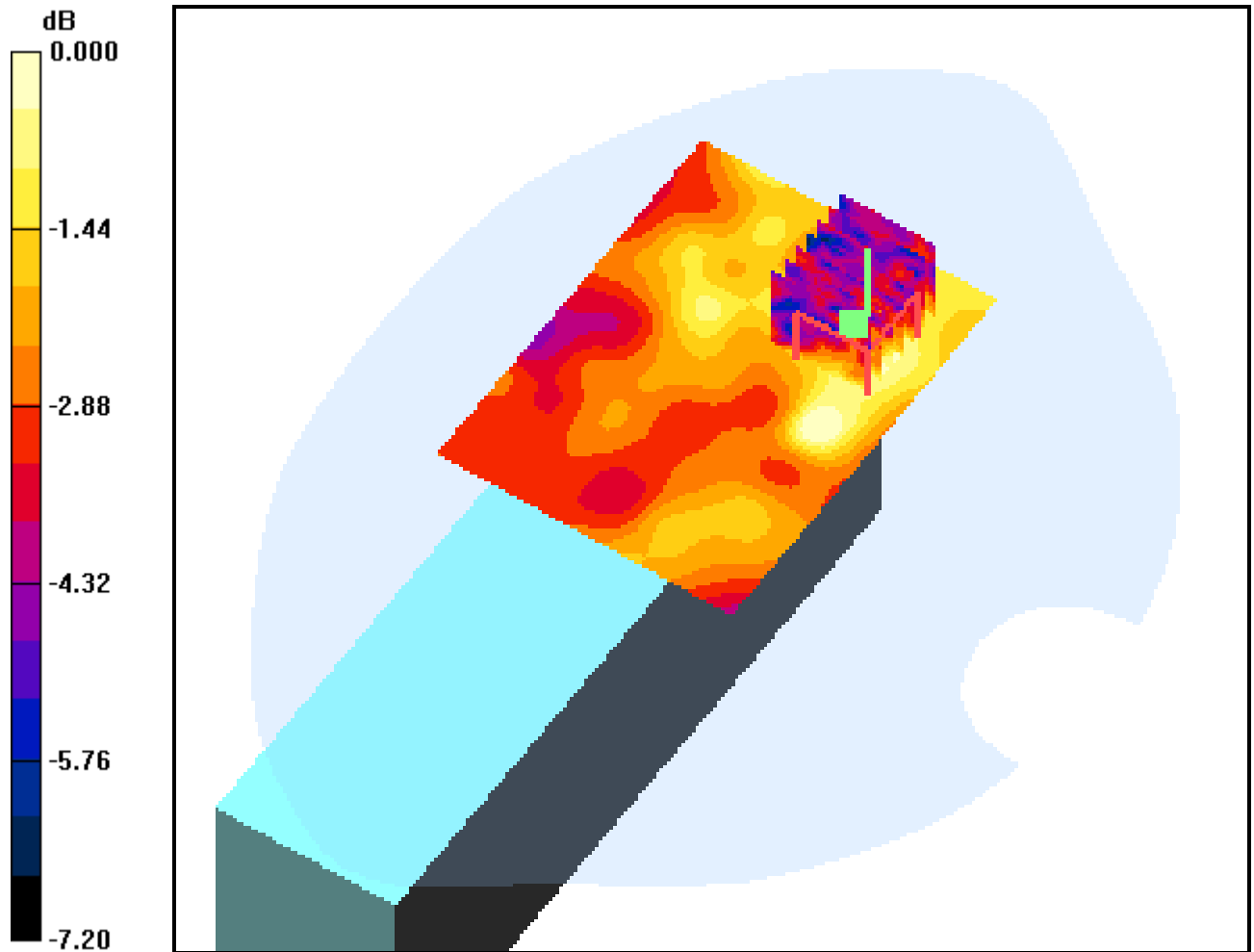
Area Scan (61x81x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

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

Power Drift = 0.063 dB

Peak SAR (extrapolated) = 0.014 W/kg

SAR(1 g) = 0.00711 mW/g; SAR(10 g) = 0.00499 mW/g



0 dB = 0.009mW/g

DIGITAL EMC CO., LTD

DUT: DOTH-100; Type: Bar Type

Communication System: W-LAN; Frequency: 2437 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 2437 \text{ MHz}$; $\sigma = 1.96 \text{ mho/m}$; $\epsilon_r = 51.4$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

DASY4 Configuration:

Probe: EX3DV4 - SN3643; ConvF(6.8, 6.8, 6.8); Calibrated: 2009-01-14; Electronics: DAE3 Sn519

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

Measurement SW: DASY4, V4.7 Build 55; Postprocessing SW: SEMCAD, V1.8 Build 176

Test Date: 2009-10-29; Ambient Temp: 21.7; Tissue Temp: 21.6

Touch from Body, Top, W-LAN(802.11b)Ch.6, Ant Fixed

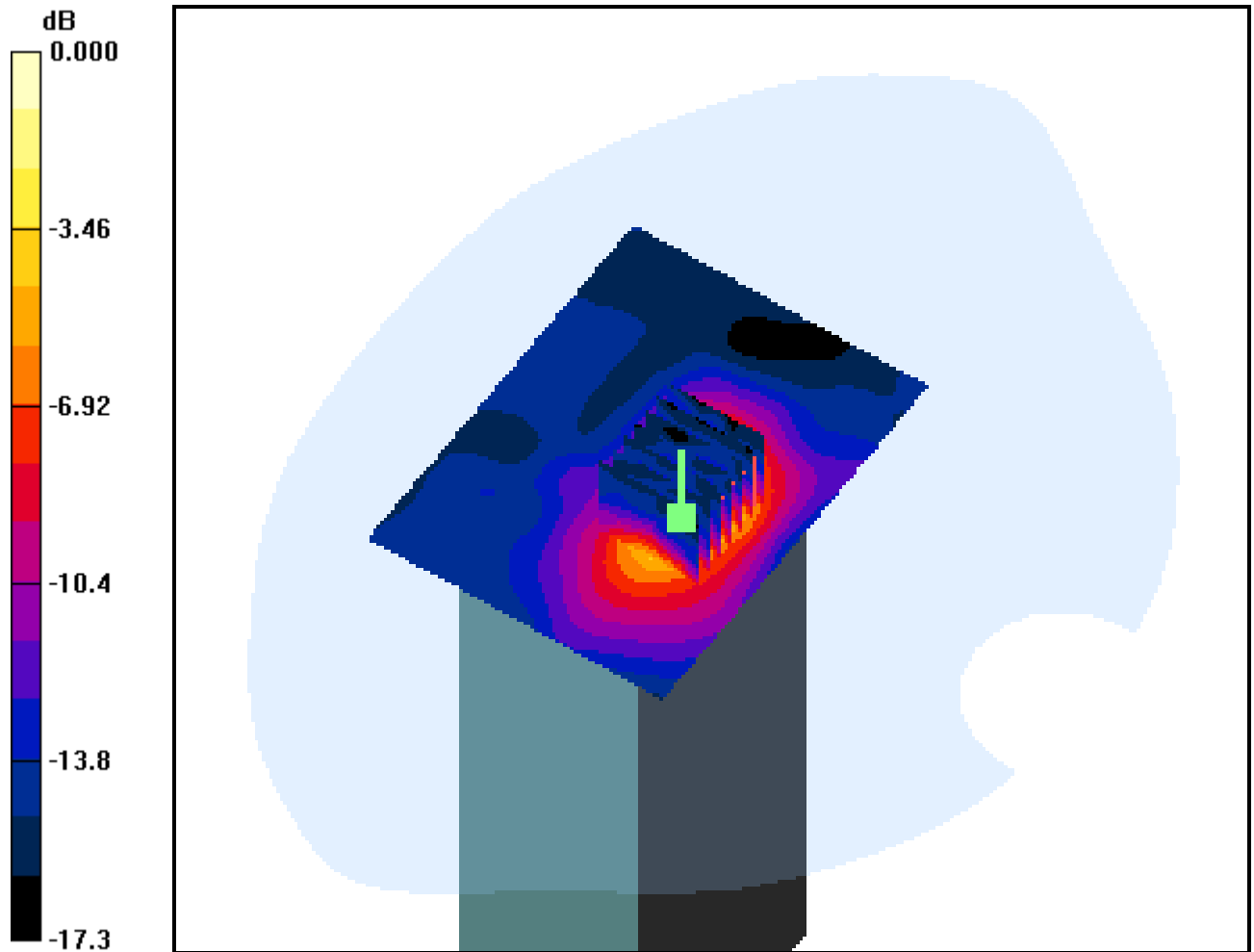
Area Scan (61x81x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

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

Power Drift = 0.306 dB

Peak SAR (extrapolated) = 0.211 W/kg

SAR(1 g) = 0.092 mW/g; SAR(10 g) = 0.041 mW/g



0 dB = 0.141mW/g

DIGITAL EMC CO., LTD

DUT: DOTH-100; Type: Bar Type

Communication System: W-LAN; Frequency: 2462 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 2462 \text{ MHz}$; $\sigma = 1.99 \text{ mho/m}$; $\epsilon_r = 51.2$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

DASY4 Configuration:

Probe: EX3DV4 - SN3643; ConvF(6.8, 6.8, 6.8); Calibrated: 2009-01-14; Electronics: DAE3 Sn519

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

Measurement SW: DASY4, V4.7 Build 55; Postprocessing SW: SEMCAD, V1.8 Build 176

Test Date: 2009-10-29; Ambient Temp: 21.7; Tissue Temp: 21.6

Touch from Body, Front, W-LAN(802.11b)Ch.11+B/T, Ant Fixed

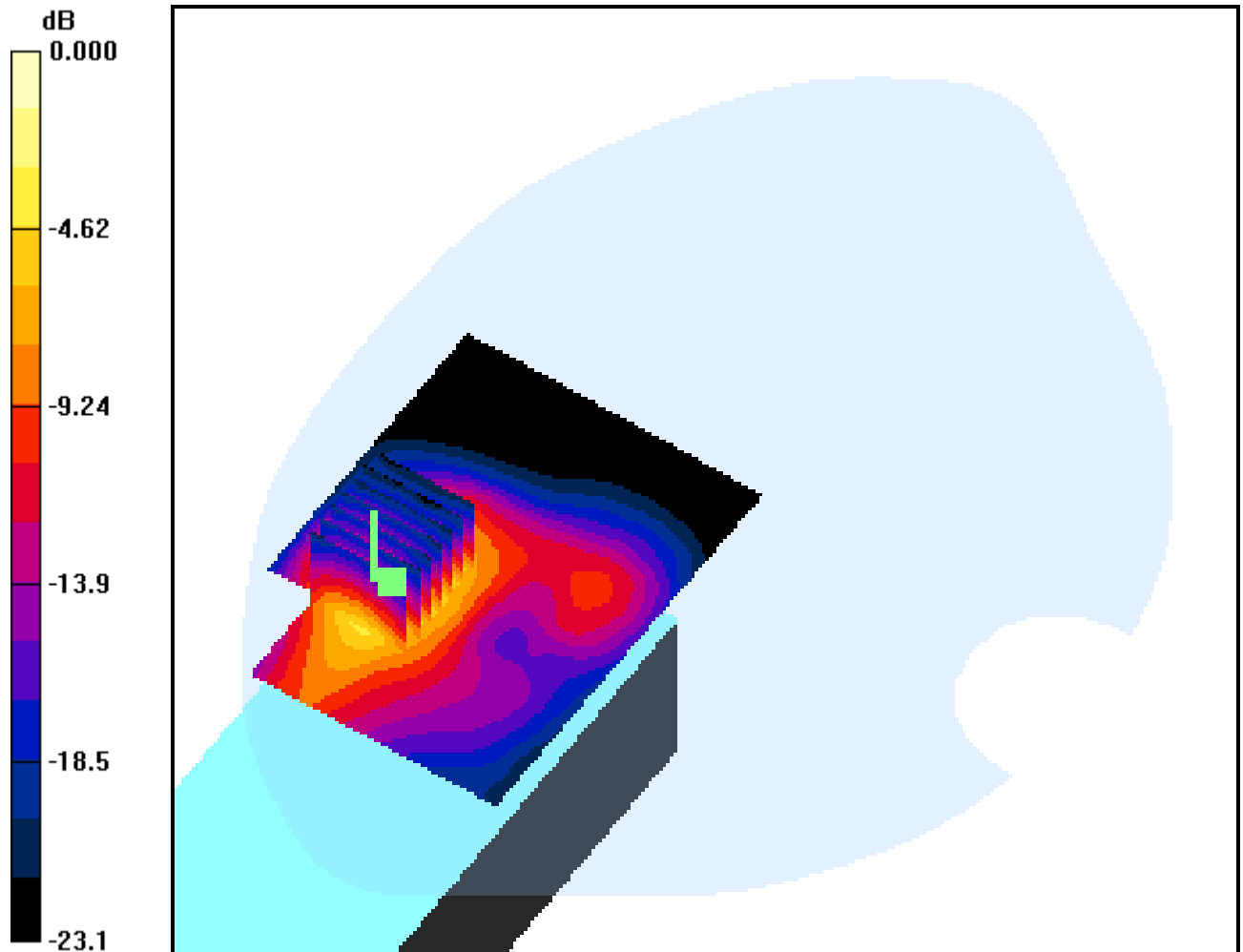
Area Scan (61x81x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

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

Power Drift = 0.072 dB

Peak SAR (extrapolated) = 1.89 W/kg

SAR(1 g) = 0.770 mW/g; SAR(10 g) = 0.331 mW/g



0 dB = 1.17mW/g

DIGITAL EMC CO., LTD

DUT: DOTH-100; Type: Bar Type

Communication System: GSM 850; Frequency: 824.2 MHz; Duty Cycle: 1:4.15
Medium parameters used: $f = 824.2 \text{ MHz}$; $\sigma = 0.996 \text{ mho/m}$; $\epsilon_r = 54.2$; $\rho = 1000 \text{ kg/m}^3$
Phantom section: Flat Section

DASY4 Configuration:

Probe: EX3DV4 - SN3643; ConvF(8.63, 8.63, 8.63); Calibrated: 2009-01-14; Electronics: DAE3 Sn519
Phantom: SAM with 835MHz; Type: SAM; Serial: TP-1223
Measurement SW: DASY4, V4.7 Build 55; Postprocessing SW: SEMCAD, V1.8 Build 176

Test Date: 2009-10-28; Ambient Temp: 22.9; Tissue Temp: 22.4

Touch from Body, Vertical Front, GSM850 Ch.128, Ant Fixed, GPRS CLASS 10

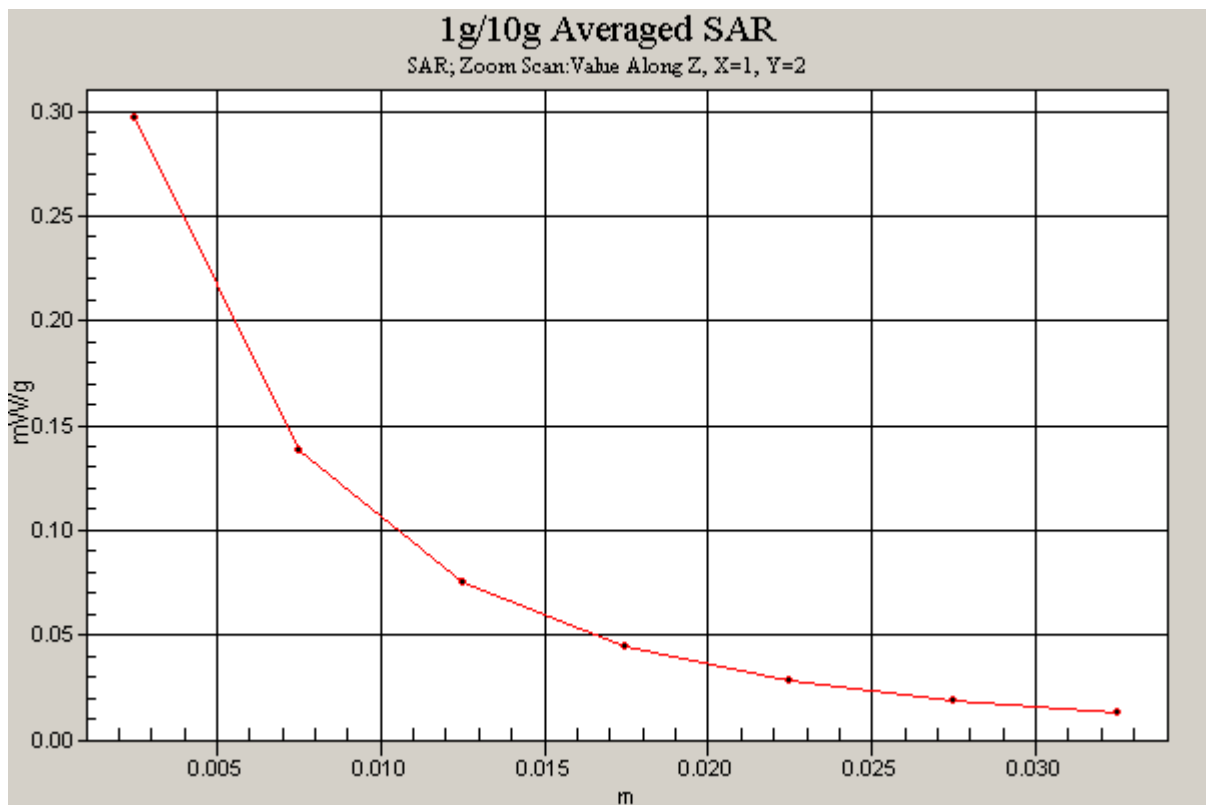
Area Scan (71x91x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

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

Power Drift = -0.017 dB

Peak SAR (extrapolated) = 0.552 W/kg

SAR(1 g) = 0.235 mW/g; SAR(10 g) = 0.129 mW/g



DIGITAL EMC CO., LTD

DUT: DOTH-100; Type: Bar Type

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

Medium parameters used: $f = 1909.8 \text{ MHz}$; $\sigma = 1.6 \text{ mho/m}$; $\epsilon_r = 52.9$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

DASY4 Configuration:

Probe: EX3DV4 - SN3643; ConvF(7.45, 7.45, 7.45); Calibrated: 2009-01-14; Electronics: DAE3 Sn519

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

Measurement SW: DASY4, V4.7 Build 55; Postprocessing SW: SEMCAD, V1.8 Build 176

Test Date: 2009-10-28; Ambient Temp: 22.9; Tissue Temp: 22.4

Touch from Body, Vertical Front, PCS Ch.810, Ant Fixed, GPRS CLASS 10

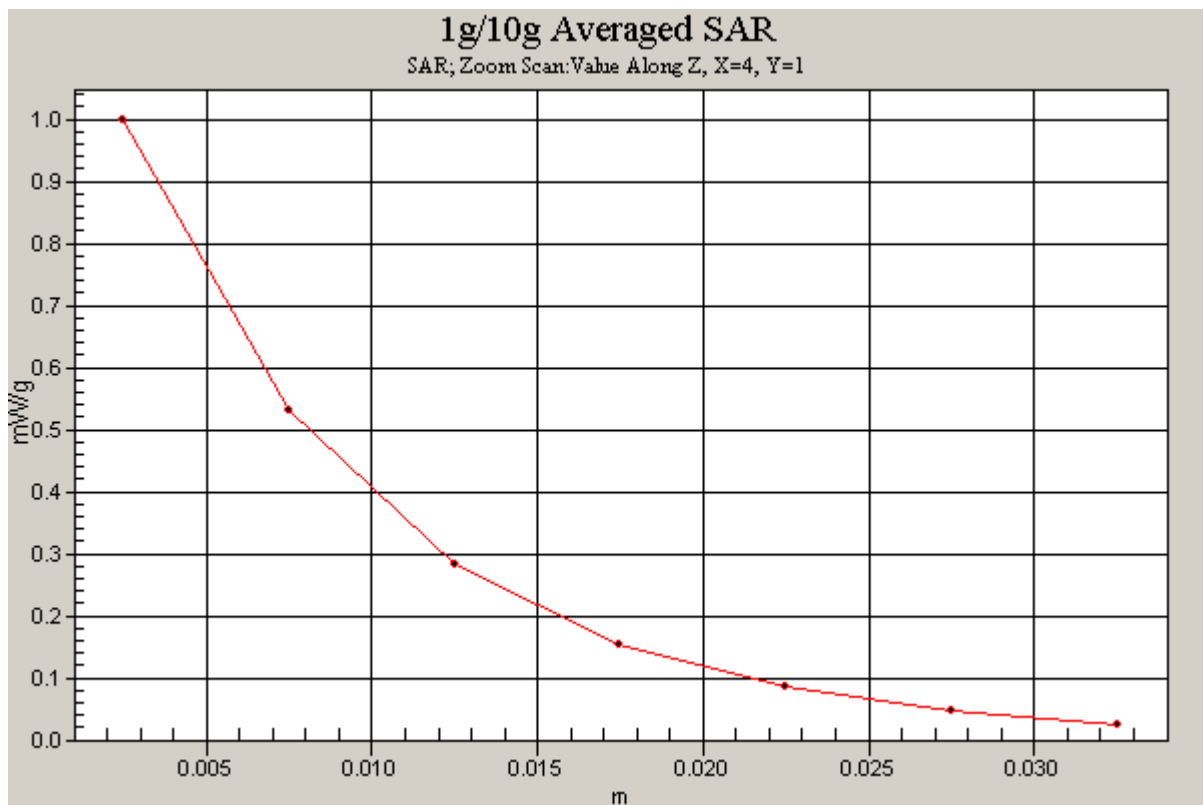
Area Scan (71x91x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

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) = 1.68 W/kg

SAR(1 g) = 0.672 mW/g; SAR(10 g) = 0.335 mW/g



DIGITAL EMC CO., LTD

DUT: DOTH-100; Type: Bar Type

Communication System: W-LAN; Frequency: 2462 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 2462 \text{ MHz}$; $\sigma = 1.99 \text{ mho/m}$; $\epsilon_r = 51.2$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

DASY4 Configuration:

Probe: EX3DV4 - SN3643; ConvF(6.8, 6.8, 6.8); Calibrated: 2009-01-14; Electronics: DAE3 Sn519

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

Measurement SW: DASY4, V4.7 Build 55; Postprocessing SW: SEMCAD, V1.8 Build 176

Test Date: 2009-10-29; Ambient Temp: 21.7; Tissue Temp: 21.6

Touch from Body, Front, W-LAN(802.11b)Ch.11, Ant Fixed

Area Scan (61x81x1): 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 = 0.340 dB

Peak SAR (extrapolated) = 1.91 W/kg

SAR(1 g) = 0.772 mW/g; SAR(10 g) = 0.329 mW/g

