

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: $f = 835 \text{ MHz}$; $\sigma = 0.912 \text{ mho/m}$; $\epsilon_r = 41.3$; $\rho = 1000 \text{ kg/m}^3$

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: 2009-04-27; Ambient Temp: 23.0; Tissue Temp: 22.4

Dipole Validation

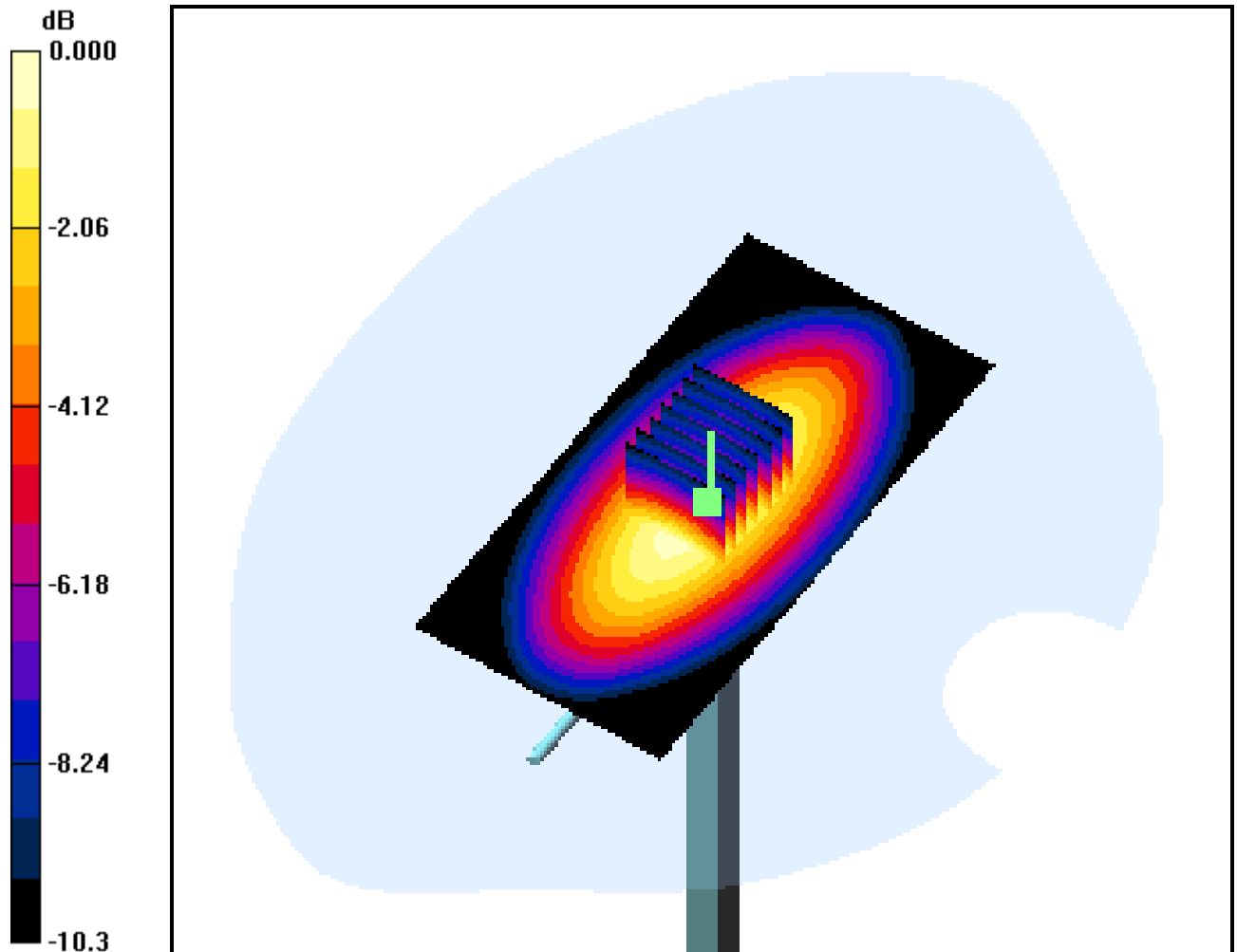
Area Scan (51x101x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

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

Power Drift = -0.010 dB

Peak SAR (extrapolated) = 3.69 W/kg

SAR(1 g) = 2.44 mW/g; SAR(10 g) = 1.59 mW/g



0 dB = 2.63mW/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: $f = 1900 \text{ MHz}$; $\sigma = 1.46 \text{ mho/m}$; $\epsilon_r = 39.4$; $\rho = 1000 \text{ kg/m}^3$

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: 2009-04-28; Ambient Temp: 23.0; Tissue Temp: 21.5

Dipole Validation

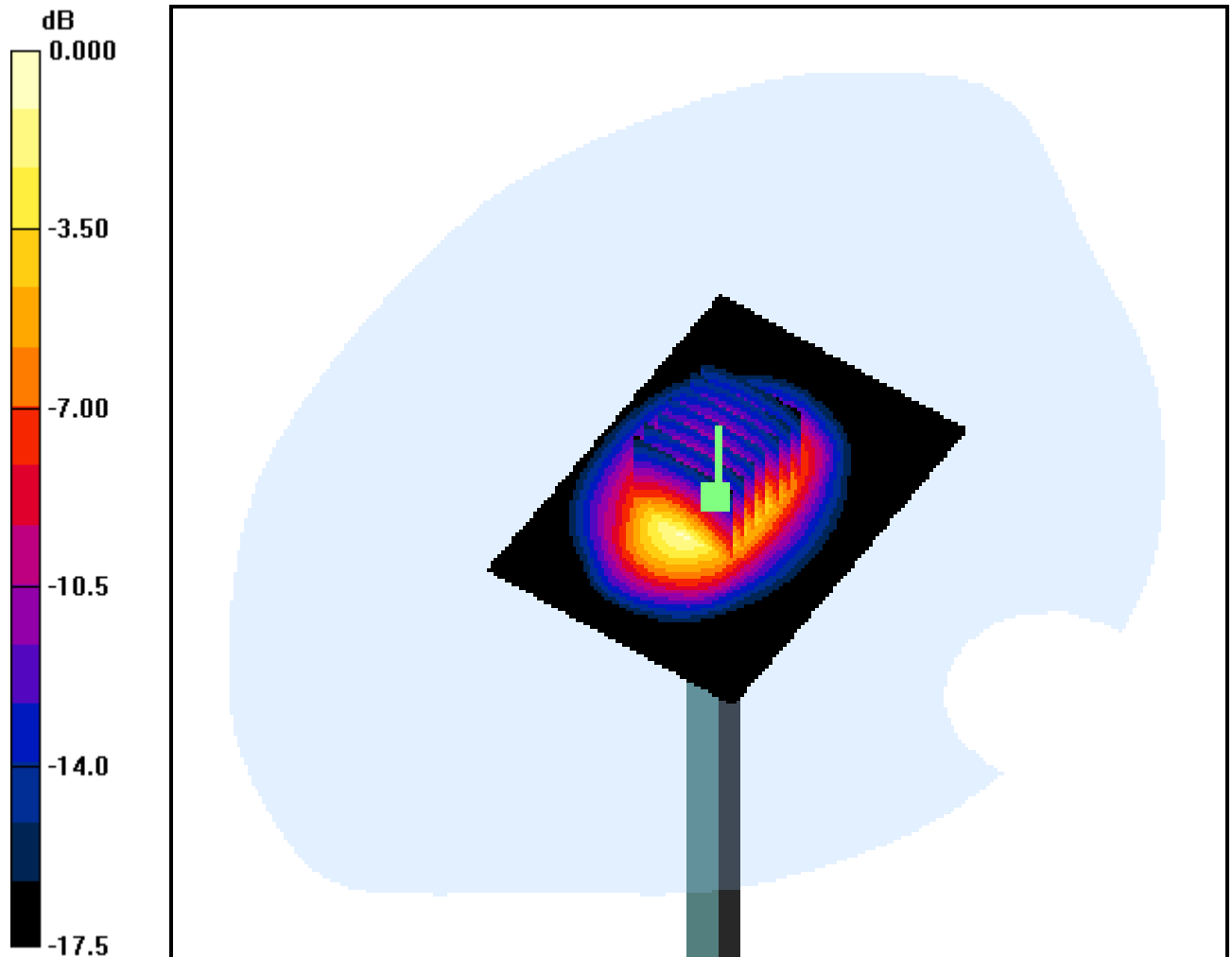
Area Scan (51x71x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

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

Power Drift = -0.025 dB

Peak SAR (extrapolated) = 18.7 W/kg

SAR(1 g) = 9.93 mW/g; SAR(10 g) = 5.15 mW/g



0 dB = 11.1mW/g

DIGITAL EMC CO., LTD

DUT: SEC-8089; Type: USB Modem

Communication System: FCC CDMA; Frequency: 836.52 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 836.52 \text{ MHz}$; $\sigma = 0.995 \text{ mho/m}$; $\epsilon_r = 54$; $\rho = 1000 \text{ kg/m}^3$
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: 2009-04-27; Ambient Temp: 23.0; Tissue Temp: 22.4

5mm from Body, Horizontal Up, CDMA_EV_DO Ch.384, Ant Internal

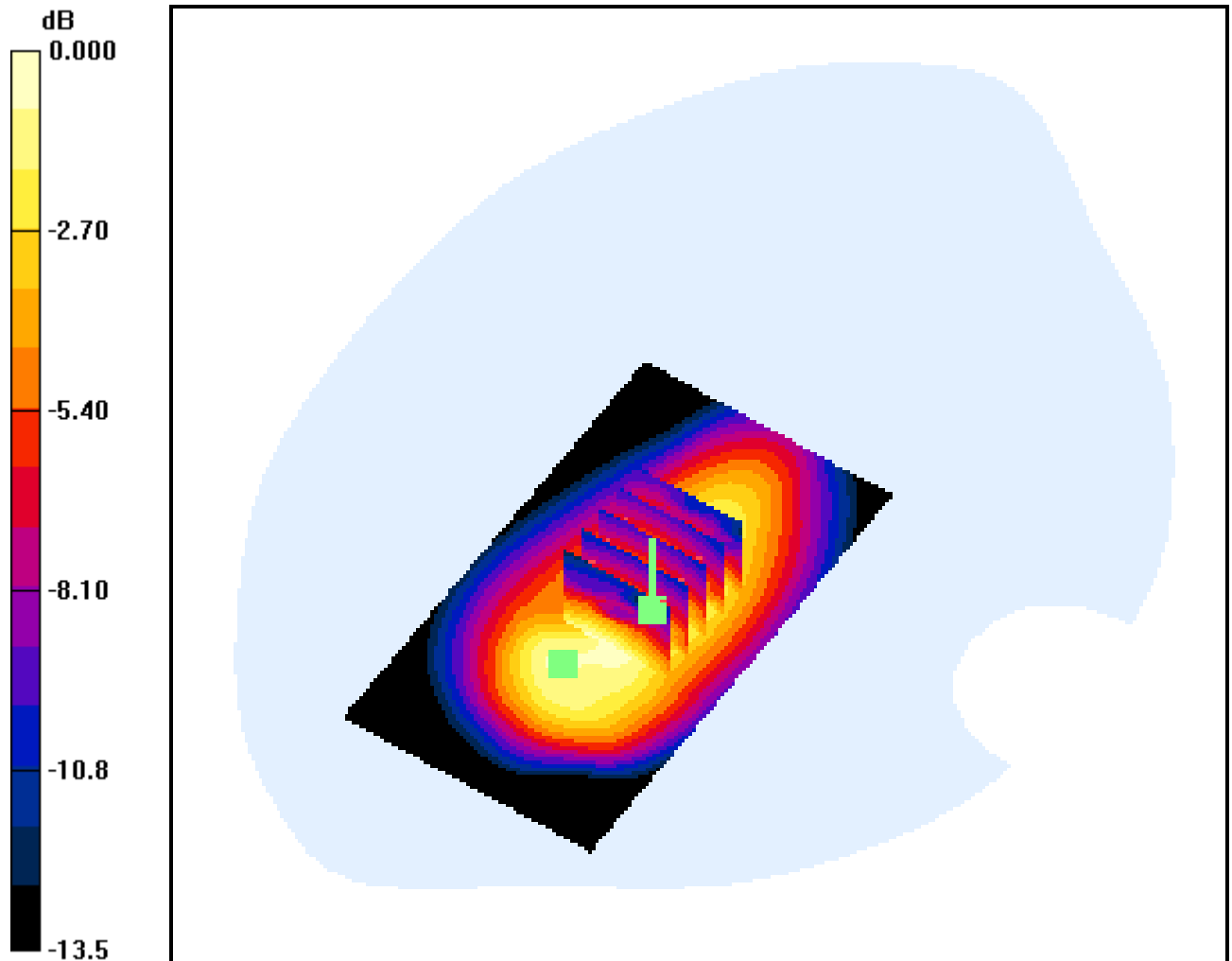
Area Scan (51x91x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

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

Power Drift = -0.332 dB

Peak SAR (extrapolated) = 1.31 W/kg

SAR(1 g) = 0.707 mW/g; SAR(10 g) = 0.445 mW/g



0 dB = 0.855mW/g

DIGITAL EMC CO., LTD

DUT: SEC-8089; Type: USB Modem

Communication System: FCC CDMA; Frequency: 836.52 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 836.52 \text{ MHz}$; $\sigma = 0.995 \text{ mho/m}$; $\epsilon_r = 54$; $\rho = 1000 \text{ kg/m}^3$
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: 2009-04-27; Ambient Temp: 23.0; Tissue Temp: 22.4

5mm from Body, Horizontal Up, CDMA_EV_DO Ch.384, Ant Internal

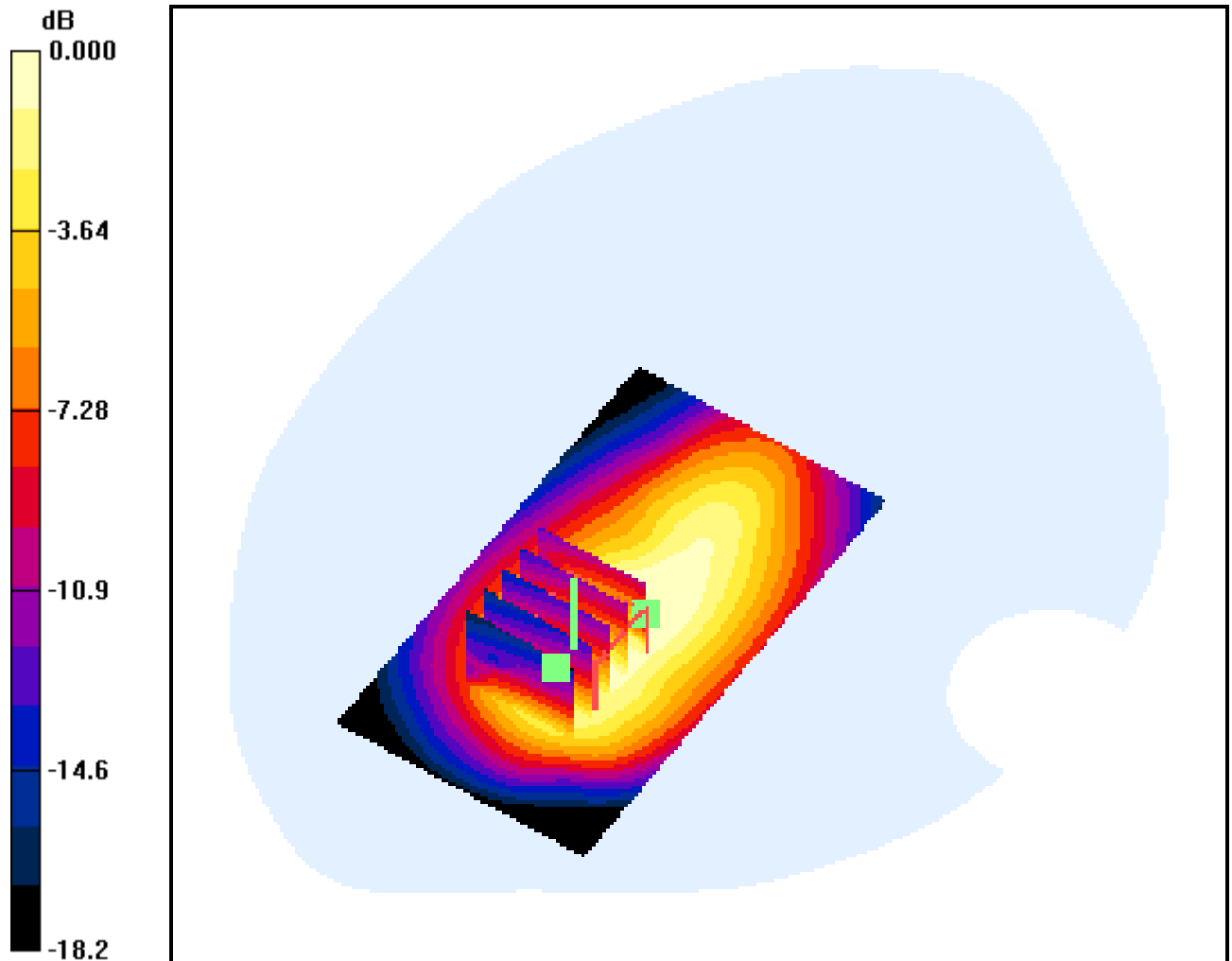
Area Scan (51x91x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

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

Power Drift = -0.332 dB

Peak SAR (extrapolated) = 1.03 W/kg

SAR(1 g) = 0.631 mW/g; SAR(10 g) = 0.358 mW/g



0 dB = 0.783mW/g

DIGITAL EMC CO., LTD

DUT: SEC-8089; Type: USB Modem

Communication System: FCC CDMA; Frequency: 824.7 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 824.7 \text{ MHz}$; $\sigma = 0.986 \text{ mho/m}$; $\epsilon_r = 54.1$; $\rho = 1000 \text{ kg/m}^3$
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: 2009-04-27; Ambient Temp: 23.0; Tissue Temp: 22.4

5mm from Body, Horizontal Down, CDMA_EV_DO Ch.1013, Ant Internal

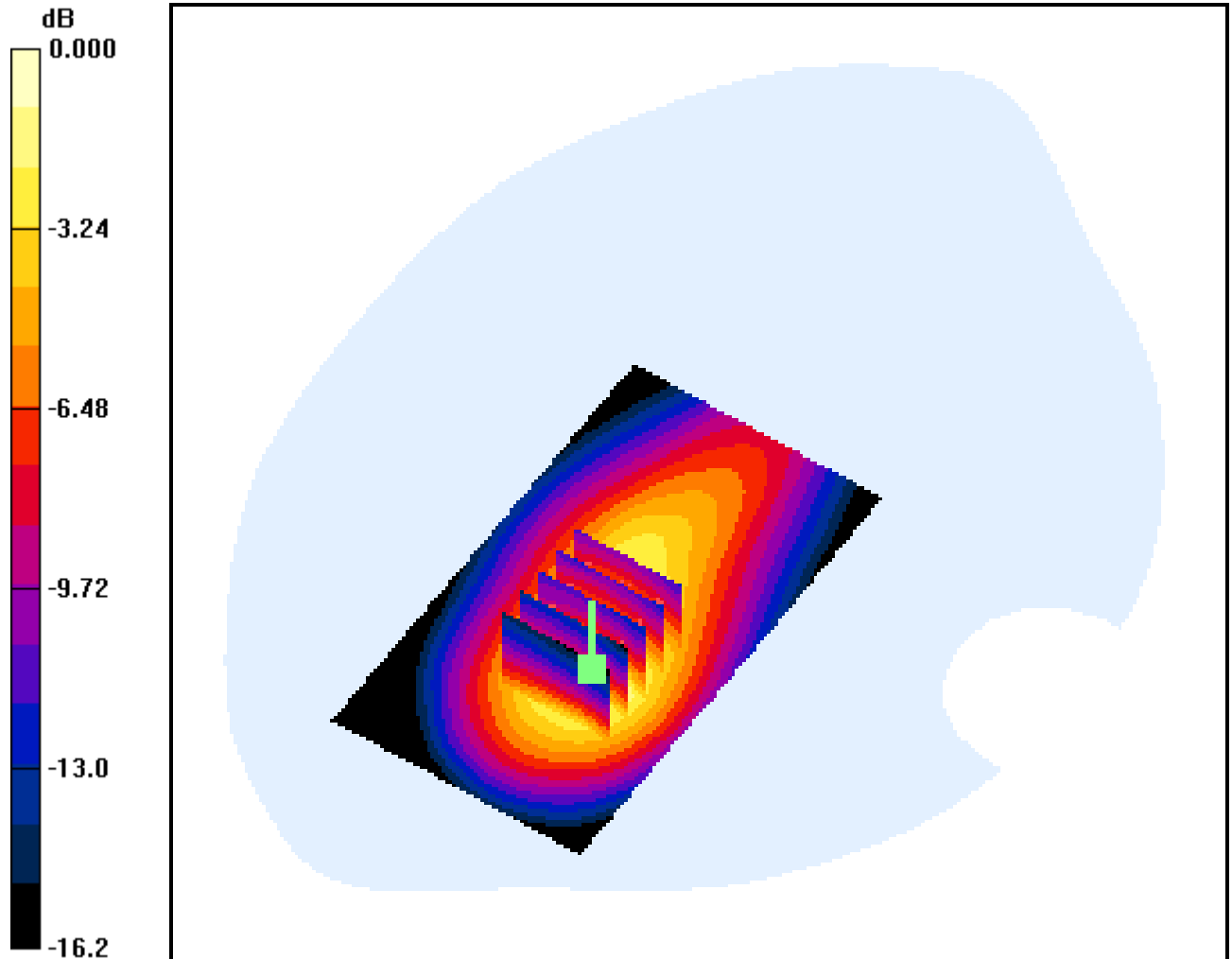
Area Scan (51x91x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

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

Power Drift = 0.185 dB

Peak SAR (extrapolated) = 1.56 W/kg

SAR(1 g) = 0.966 mW/g; SAR(10 g) = 0.584 mW/g



0 dB = 1.25mW/g

DIGITAL EMC CO., LTD

DUT: SEC-8089; Type: USB Modem

Communication System: FCC CDMA; Frequency: 836.52 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 836.52 \text{ MHz}$; $\sigma = 0.995 \text{ mho/m}$; $\epsilon_r = 54$; $\rho = 1000 \text{ kg/m}^3$
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: 2009-04-27; Ambient Temp: 23.0; Tissue Temp: 22.4

5mm from Body, Horizontal Down, CDMA_EV_DO Ch.384, Ant Internal

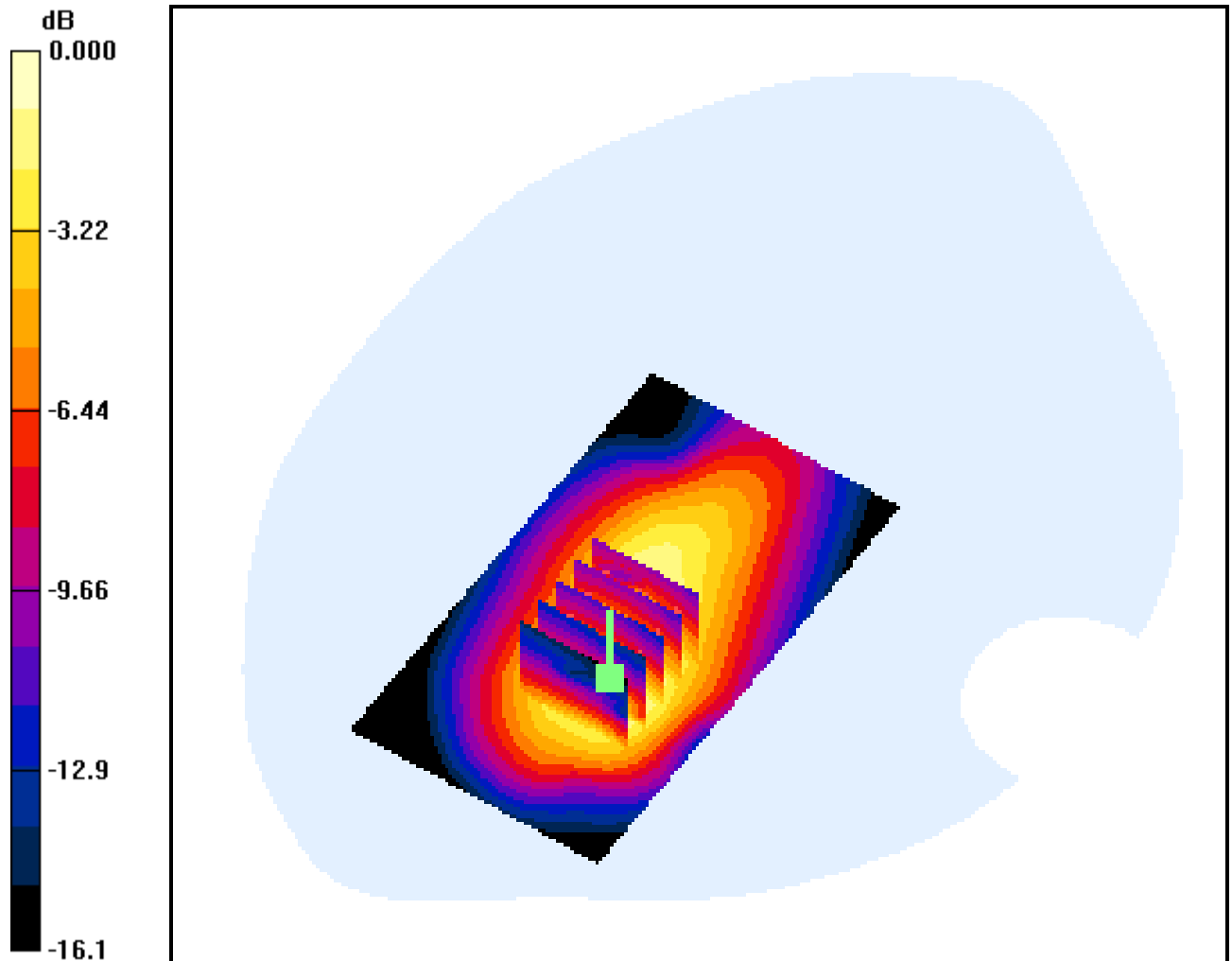
Area Scan (51x91x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

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

Power Drift = -0.107 dB

Peak SAR (extrapolated) = 1.30 W/kg

SAR(1 g) = 0.760 mW/g; SAR(10 g) = 0.464 mW/g



0 dB = 0.926mW/g

DIGITAL EMC CO., LTD

DUT: SEC-8089; Type: USB Modem

Communication System: FCC CDMA; Frequency: 848.31 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 848.31 \text{ MHz}$; $\sigma = 1.01 \text{ mho/m}$; $\epsilon_r = 53.8$; $\rho = 1000 \text{ kg/m}^3$
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: 2009-04-27; Ambient Temp: 23.0; Tissue Temp: 22.4

5mm from Body, Horizontal Down, CDMA_EV_DO Ch.777, Ant Internal

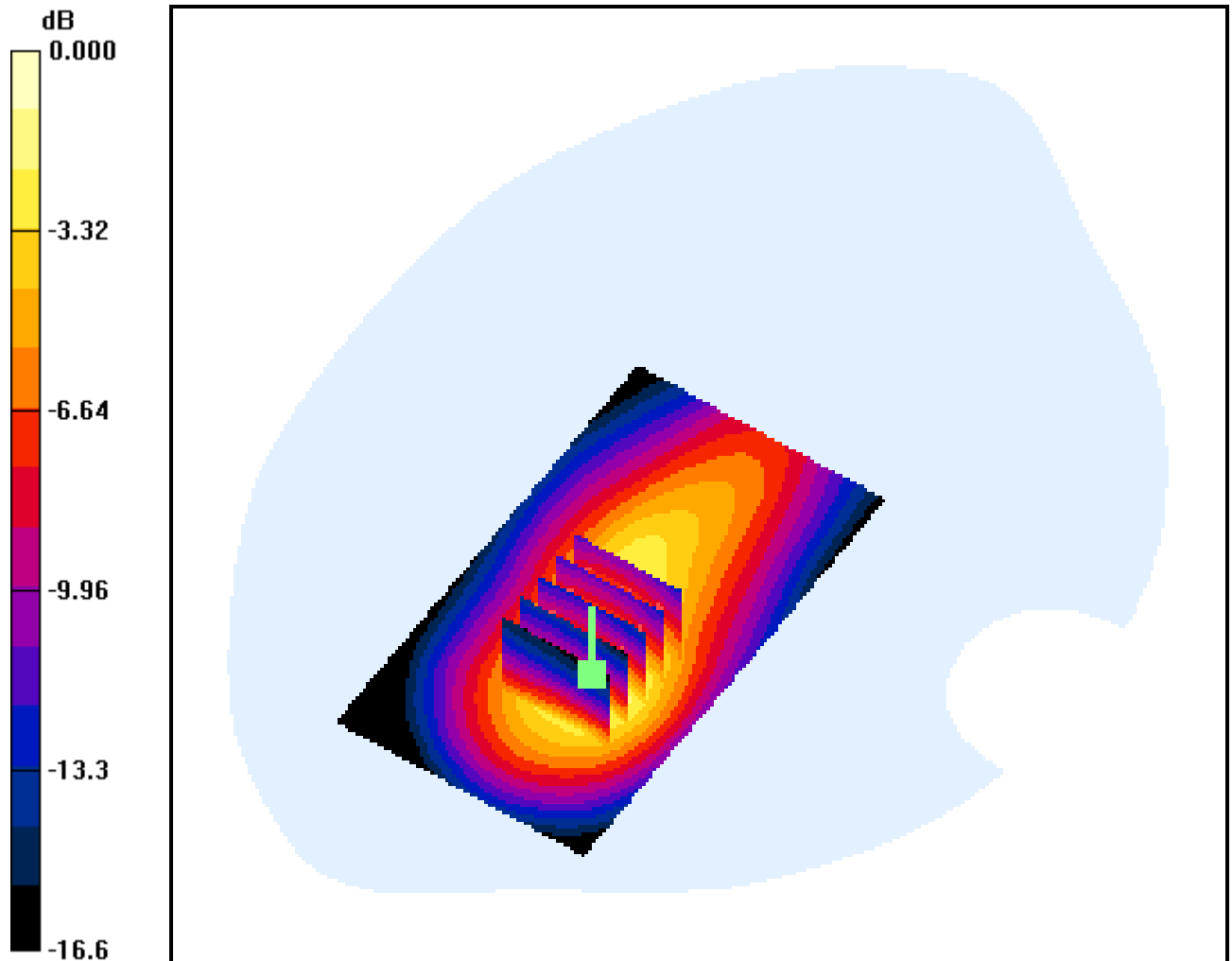
Area Scan (51x91x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

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

Reference Value = 11.6 V/m; Power Drift = 0.095 dB

Peak SAR (extrapolated) = 0.569 W/kg

SAR(1 g) = 0.313 mW/g; SAR(10 g) = 0.183 mW/g



0 dB = 0.413mW/g

DIGITAL EMC CO., LTD

DUT: SEC-8089; Type: USB Modem

Communication System: FCC CDMA; Frequency: 836.52 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 836.52 \text{ MHz}$; $\sigma = 0.995 \text{ mho/m}$; $\epsilon_r = 54$; $\rho = 1000 \text{ kg/m}^3$
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: 2009-04-27; Ambient Temp: 23.0; Tissue Temp: 22.4

5mm from Body, Vertical Front, CDMA_EV_DO Ch.384, Ant Internal

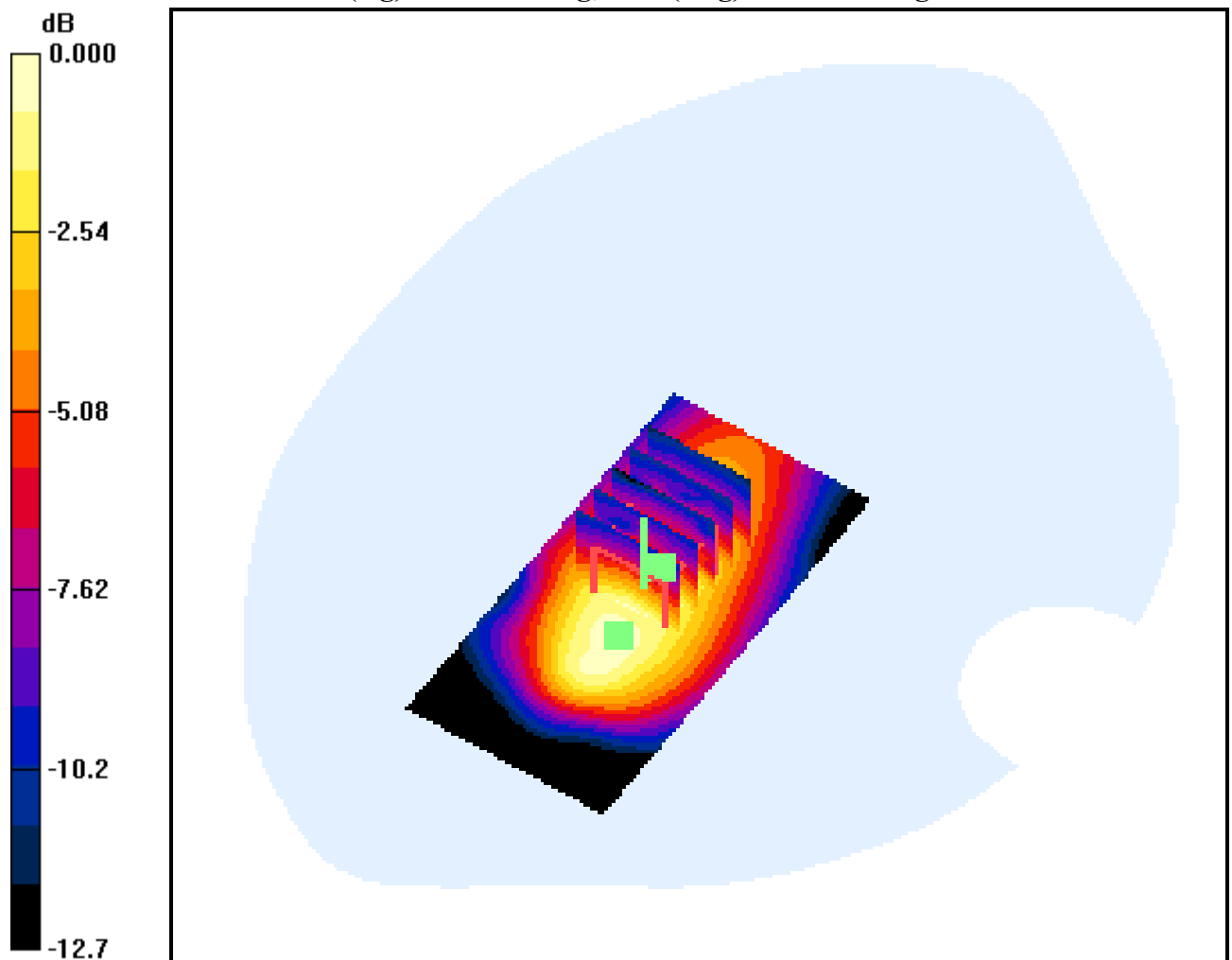
Area Scan (41x81x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

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

Reference Value = 17.6 V/m; Power Drift = -0.256 dB

Peak SAR (extrapolated) = 0.769 W/kg

SAR(1 g) = 0.491 mW/g; SAR(10 g) = 0.308 mW/g



0 dB = 0.618mW/g

DIGITAL EMC CO., LTD

DUT: SEC-8089; Type: USB Modem

Communication System: FCC CDMA; Frequency: 836.52 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 836.52 \text{ MHz}$; $\sigma = 0.995 \text{ mho/m}$; $\epsilon_r = 54$; $\rho = 1000 \text{ kg/m}^3$
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: 2009-04-27; Ambient Temp: 23.0; Tissue Temp: 22.4

5mm from Body, Vertical Front, CDMA_EV_DO Ch.384, Ant Internal

Area Scan (41x81x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

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

Reference Value = 17.6 V/m; Power Drift = -0.256 dB

Peak SAR (extrapolated) = 1.19 W/kg

SAR(1 g) = 0.516 mW/g; SAR(10 g) = 0.282 mW/g



0 dB = 0.525mW/g

DIGITAL EMC CO., LTD

DUT: SEC-8089; Type: USB Modem

Communication System: FCC CDMA; Frequency: 836.52 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 836.52 \text{ MHz}$; $\sigma = 0.995 \text{ mho/m}$; $\epsilon_r = 54$; $\rho = 1000 \text{ kg/m}^3$
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: 2009-04-27; Ambient Temp: 23.0; Tissue Temp: 22.4

5mm from Body, Vertical Back, CDMA_EV_DO Ch.384, Ant Internal

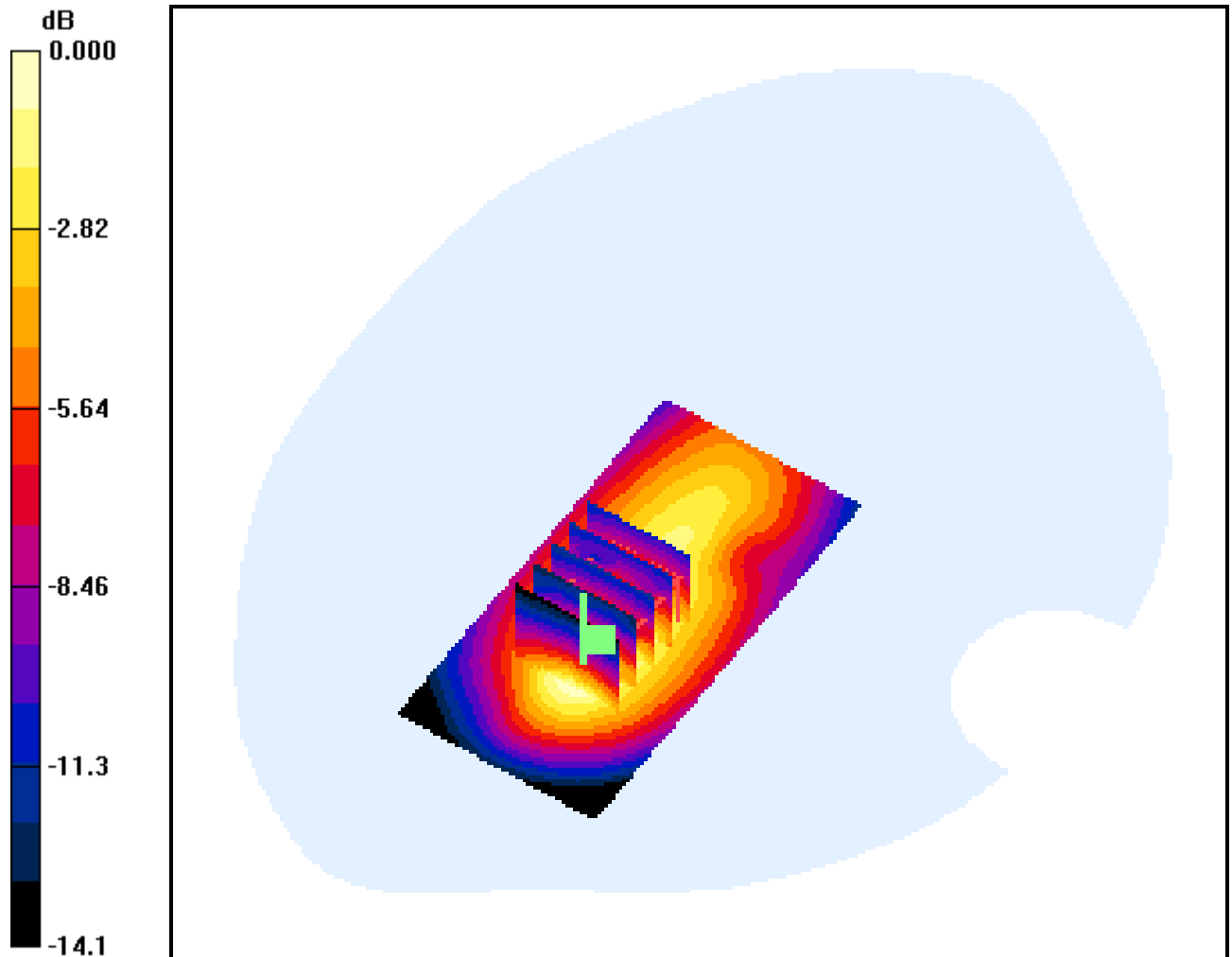
Area Scan (41x81x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

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

Power Drift = -0.001 dB

Peak SAR (extrapolated) = 0.525 W/kg

SAR(1 g) = 0.347 mW/g; SAR(10 g) = 0.204 mW/g



0 dB = 0.478mW/g

DIGITAL EMC CO., LTD

DUT: SEC-8089; Type: USB Modem

Communication System: FCC CDMA; Frequency: 836.52 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 836.52 \text{ MHz}$; $\sigma = 0.995 \text{ mho/m}$; $\epsilon_r = 54$; $\rho = 1000 \text{ kg/m}^3$
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: 2009-04-27; Ambient Temp: 23.0; Tissue Temp: 22.4

5mm from Body, Bottom, CDMA_EV_DO Ch.384, Ant Internal

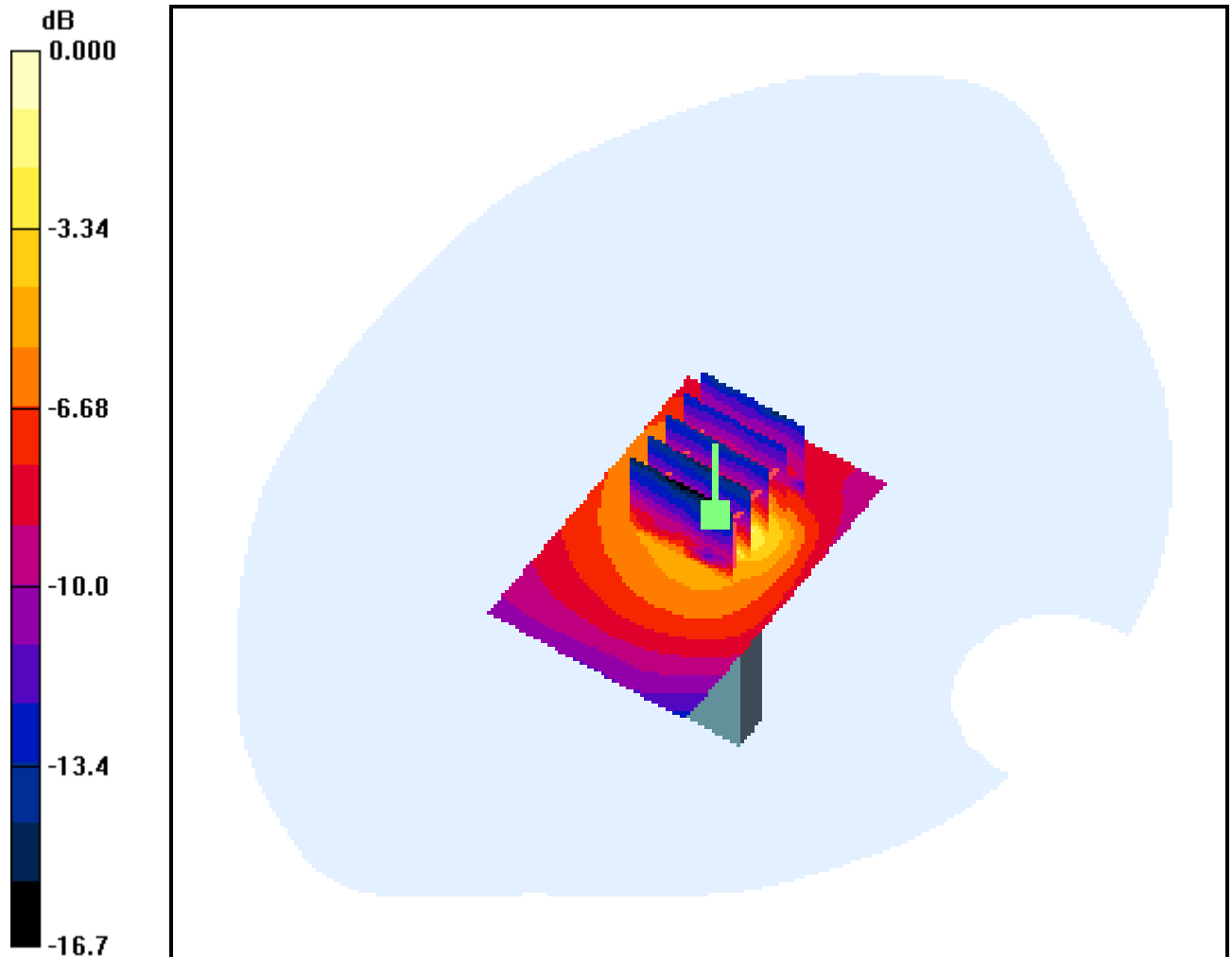
Area Scan (41x61x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

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

Power Drift = 0.160 dB

Peak SAR (extrapolated) = 0.277 W/kg

SAR(1 g) = 0.100 mW/g; SAR(10 g) = 0.045 mW/g



0 dB = 0.139mW/g

DIGITAL EMC CO., LTD

DUT: SEC-8089; Type: USB Modem

Communication System: FCC CDMA; Frequency: 836.52 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 836.52 \text{ MHz}$; $\sigma = 0.995 \text{ mho/m}$; $\epsilon_r = 54$; $\rho = 1000 \text{ kg/m}^3$
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: 2009-04-27; Ambient Temp: 23.0; Tissue Temp: 22.4

5mm from Body, Top, CDMA_EV_DO Ch.384, Ant Internal

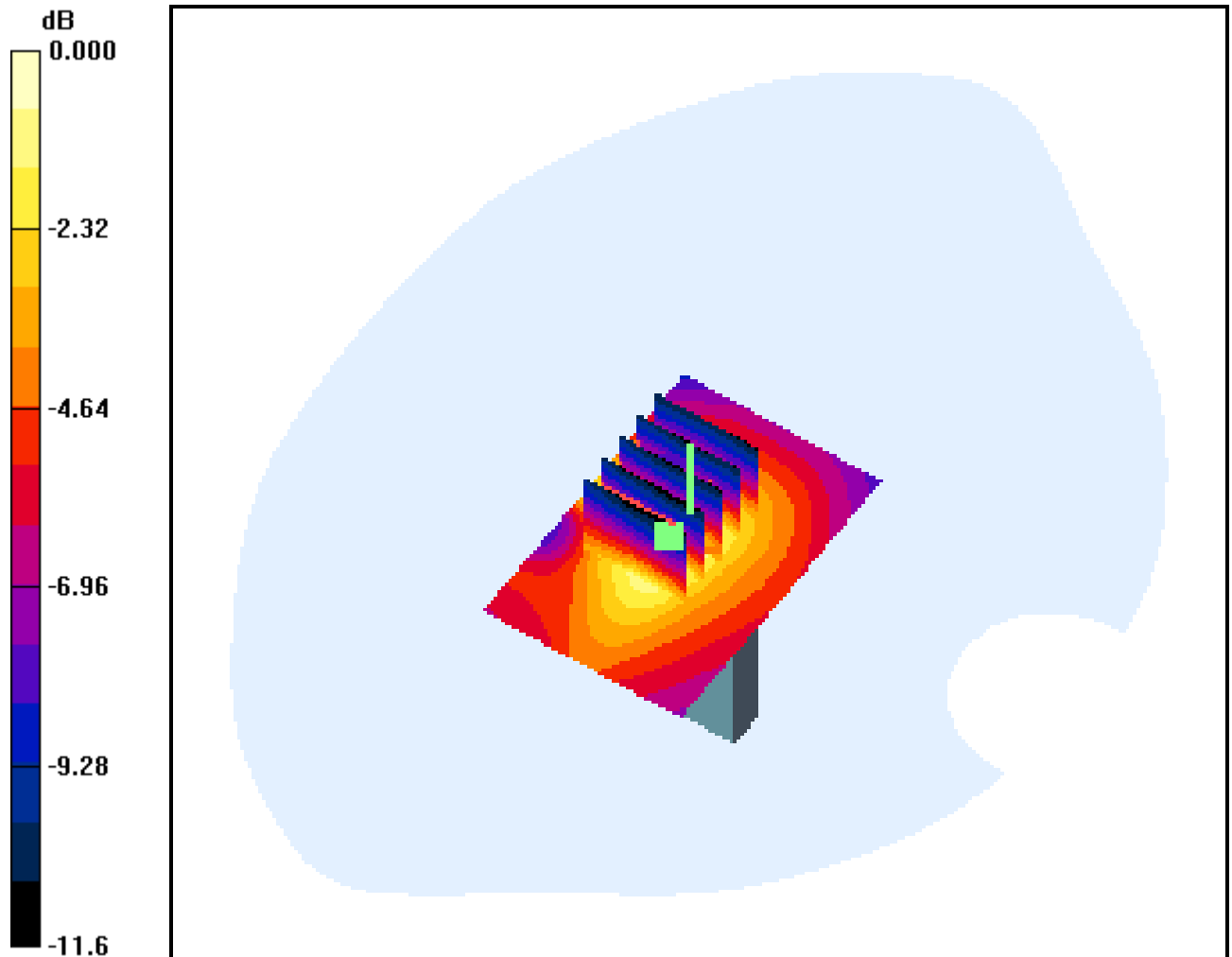
Area Scan (41x61x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

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

Power Drift = -0.266 dB

Peak SAR (extrapolated) = 0.178 W/kg

SAR(1 g) = 0.103 mW/g; SAR(10 g) = 0.062 mW/g



0 dB = 0.134mW/g

DIGITAL EMC CO., LTD

DUT: SEC-8089; Type: USB Modem

Communication System: FCC CDMA; Frequency: 824.7 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 824.7 \text{ MHz}$; $\sigma = 0.986 \text{ mho/m}$; $\epsilon_r = 54.1$; $\rho = 1000 \text{ kg/m}^3$
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: 2009-04-27; Ambient Temp: 23.0; Tissue Temp: 22.4

5mm from Body, Horizontal Up, CDMA_Cellular Ch.1013, Ant Internal

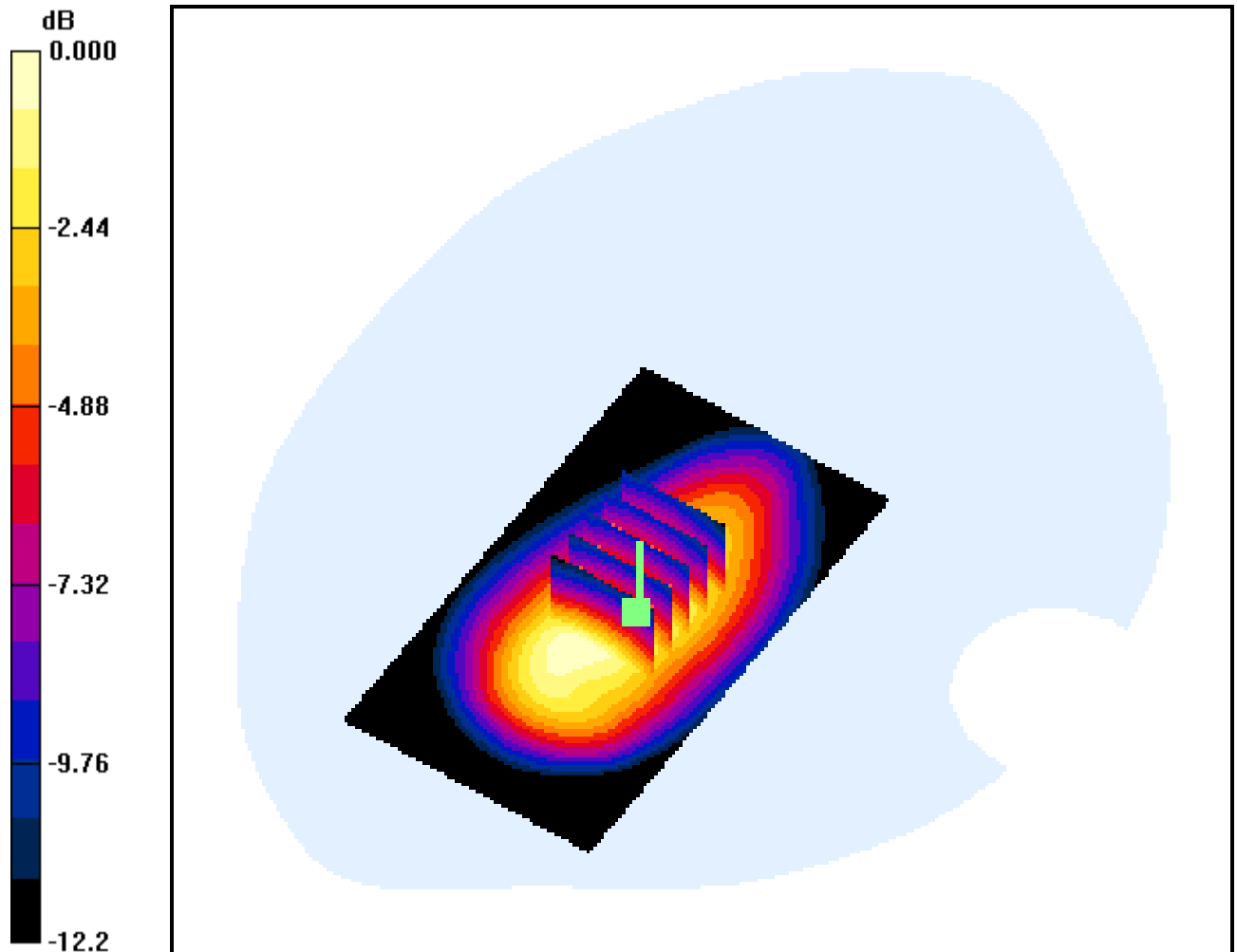
Area Scan (51x91x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

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

Power Drift = 0.070 dB

Peak SAR (extrapolated) = 1.49 W/kg

SAR(1 g) = 0.971 mW/g; SAR(10 g) = 0.629 mW/g



0 dB = 1.17mW/g

DIGITAL EMC CO., LTD

DUT: SEC-8089; Type: USB Modem

Communication System: FCC CDMA; Frequency: 836.52 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 836.52 \text{ MHz}$; $\sigma = 0.995 \text{ mho/m}$; $\epsilon_r = 54$; $\rho = 1000 \text{ kg/m}^3$
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: 2009-04-27; Ambient Temp: 23.0; Tissue Temp: 22.4

5mm from Body, Horizontal Up, CDMA_Cellular Ch.384, Ant Internal

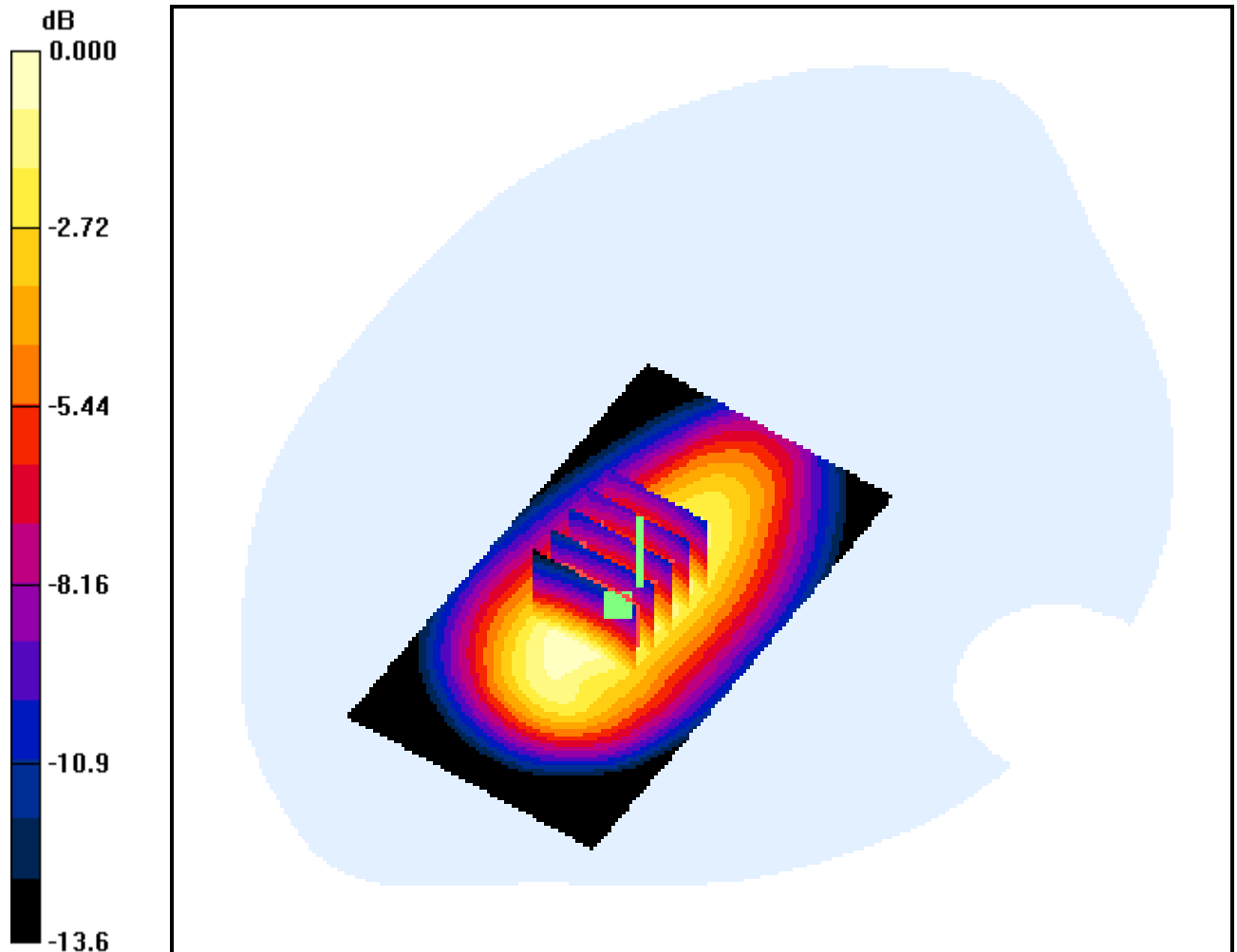
Area Scan (51x91x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

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

Power Drift = -0.127 dB

Peak SAR (extrapolated) = 1.46 W/kg

SAR(1 g) = 0.965 mW/g; SAR(10 g) = 0.622 mW/g



0 dB = 1.17mW/g

DIGITAL EMC CO., LTD

DUT: SEC-8089; Type: USB Modem

Communication System: FCC CDMA; Frequency: 848.31 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 848.31 \text{ MHz}$; $\sigma = 1.01 \text{ mho/m}$; $\epsilon_r = 53.8$; $\rho = 1000 \text{ kg/m}^3$
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: 2009-04-27; Ambient Temp: 23.0; Tissue Temp: 22.4

5mm from Body, Horizontal Up, CDMA_Cellular Ch.777, Ant Internal

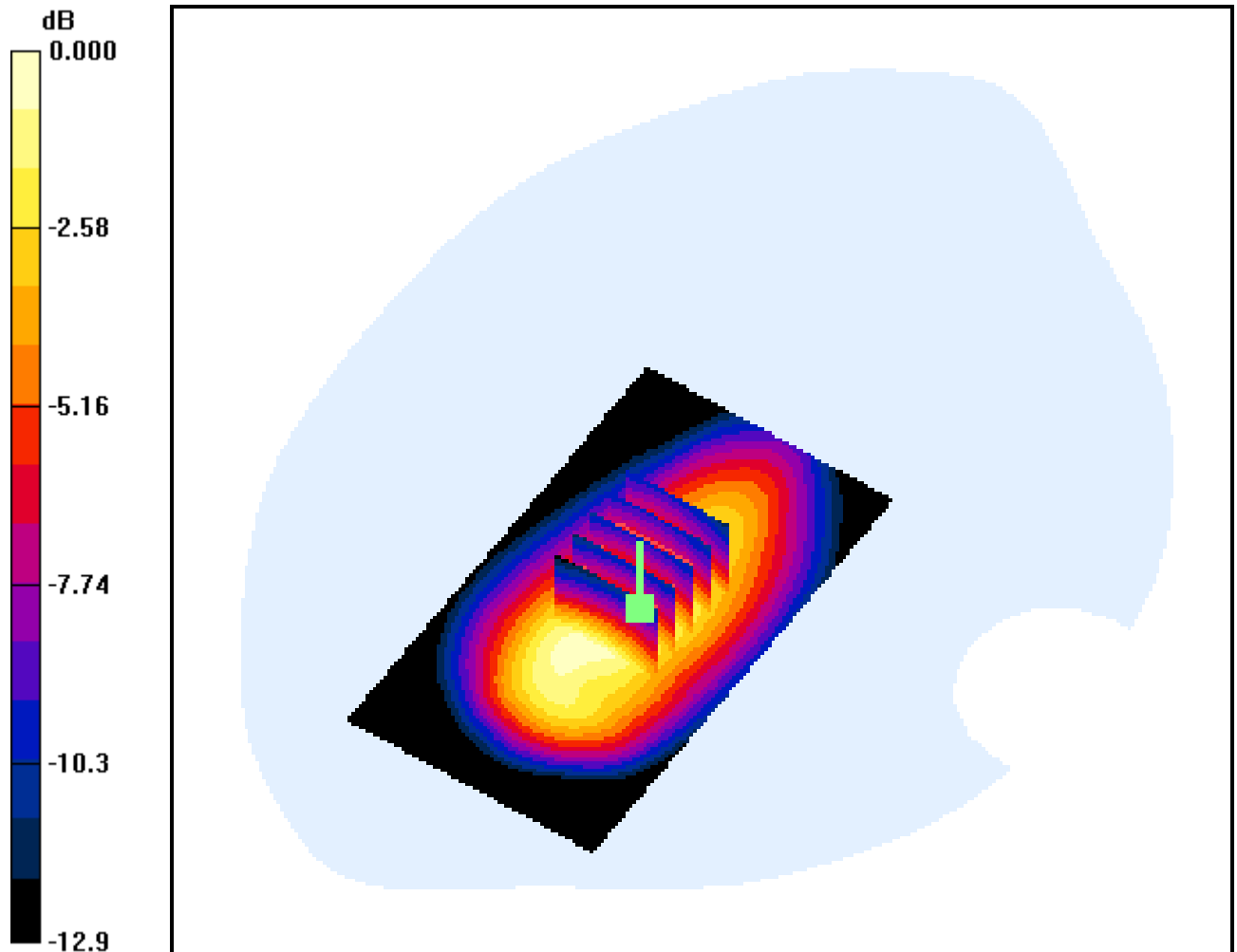
Area Scan (51x91x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

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

Power Drift = 0.039 dB

Peak SAR (extrapolated) = 0.463 W/kg

SAR(1 g) = 0.304 mW/g; SAR(10 g) = 0.194 mW/g



0 dB = 0.372mW/g

DIGITAL EMC CO., LTD

DUT: SEC-8089; Type: USB Modem

Communication System: FCC CDMA; Frequency: 824.7 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 824.7 \text{ MHz}$; $\sigma = 0.986 \text{ mho/m}$; $\epsilon_r = 54.1$; $\rho = 1000 \text{ kg/m}^3$
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: 2009-04-27; Ambient Temp: 23.0; Tissue Temp: 22.4

5mm from Body, Horizontal Down, CDMA_Cellular Ch.1013, Ant Internal

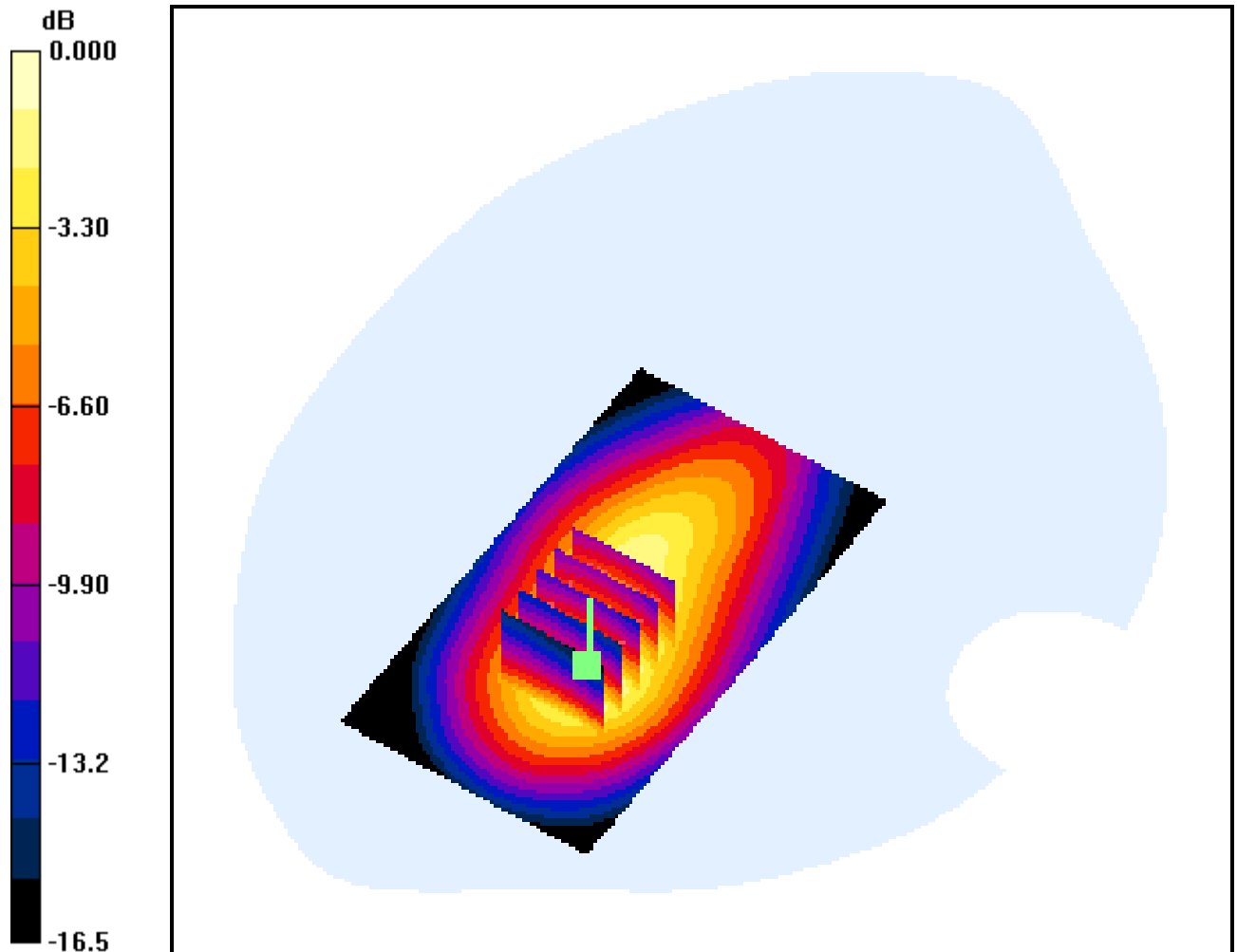
Area Scan (51x91x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

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

Power Drift = 0.138 dB

Peak SAR (extrapolated) = 1.93 W/kg

SAR(1 g) = 1.12 mW/g; SAR(10 g) = 0.685 mW/g



0 dB = 1.41mW/g

DIGITAL EMC CO., LTD

DUT: SEC-8089; Type: USB Modem

Communication System: FCC CDMA; Frequency: 836.52 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 836.52 \text{ MHz}$; $\sigma = 0.995 \text{ mho/m}$; $\epsilon_r = 54$; $\rho = 1000 \text{ kg/m}^3$
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: 2009-04-27; Ambient Temp: 23.0; Tissue Temp: 22.4

5mm from Body, Horizontal Down, CDMA_Cellular Ch.384, Ant Internal

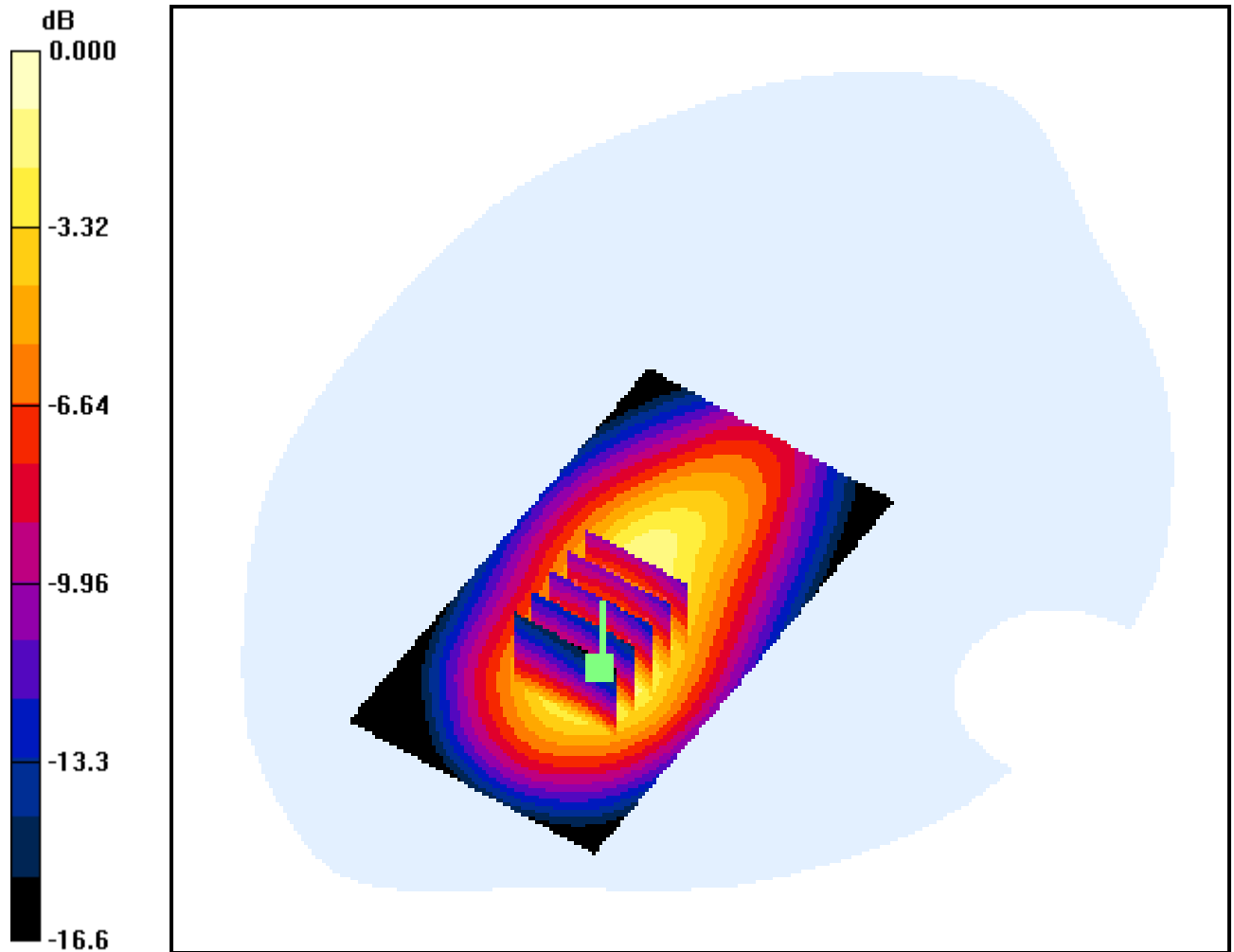
Area Scan (51x91x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

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

Power Drift = 0.014 dB

Peak SAR (extrapolated) = 1.81 W/kg

SAR(1 g) = 1.03 mW/g; SAR(10 g) = 0.631 mW/g



0 dB = 1.32mW/g

DIGITAL EMC CO., LTD

DUT: SEC-8089; Type: USB Modem

Communication System: FCC CDMA; Frequency: 848.31 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 848.31 \text{ MHz}$; $\sigma = 1.01 \text{ mho/m}$; $\epsilon_r = 53.8$; $\rho = 1000 \text{ kg/m}^3$
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: 2009-04-27; Ambient Temp: 23.0; Tissue Temp: 22.4

5mm from Body, Horizontal Down, CDMA_Cellular Ch.777, Ant Internal

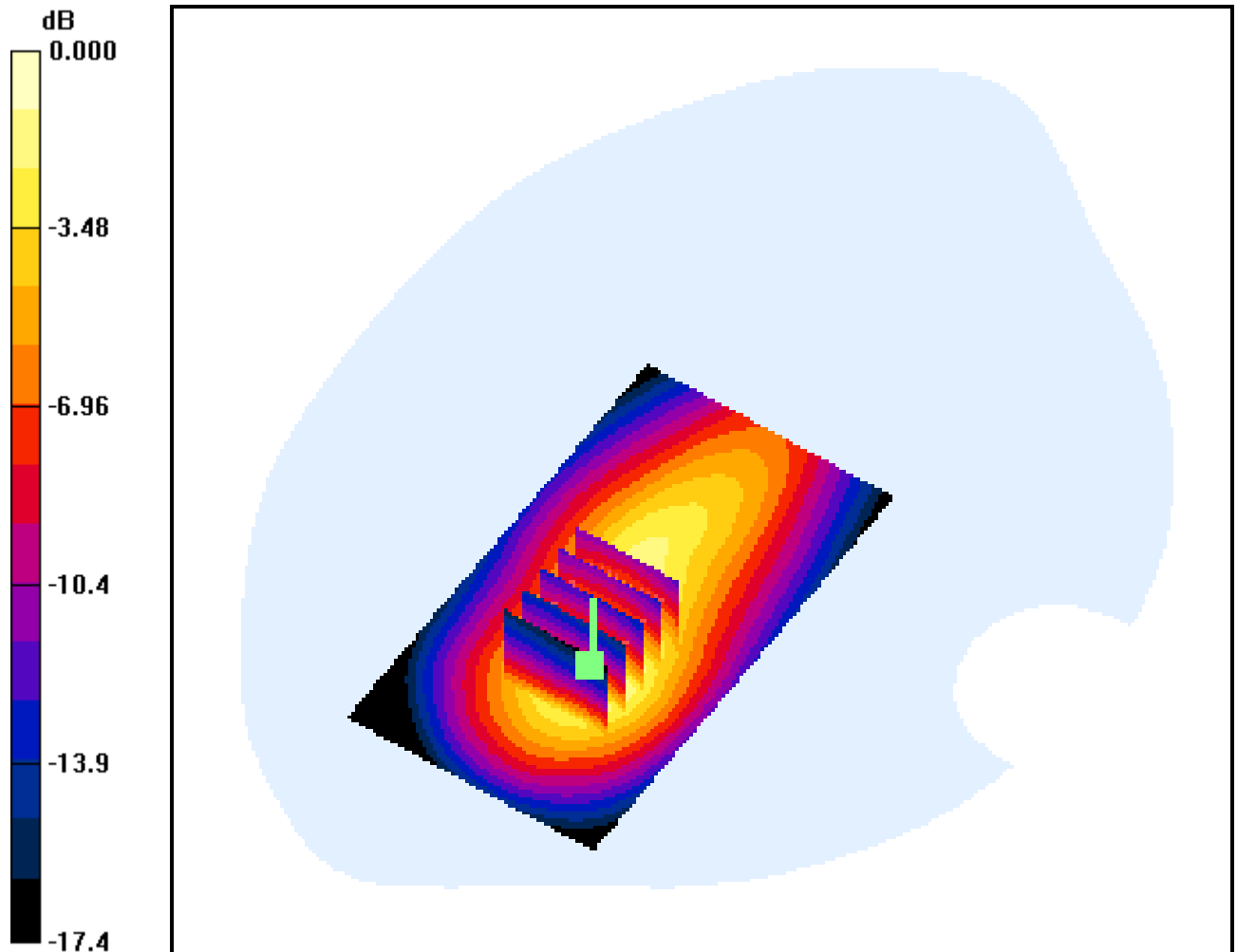
Area Scan (51x91x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

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

Power Drift = 0.102 dB

Peak SAR (extrapolated) = 0.822 W/kg

SAR(1 g) = 0.461 mW/g; SAR(10 g) = 0.269 mW/g



0 dB = 0.603mW/g

DIGITAL EMC CO., LTD

DUT: SEC-8089; Type: USB Modem

Communication System: FCC CDMA; Frequency: 836.52 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 836.52 \text{ MHz}$; $\sigma = 0.995 \text{ mho/m}$; $\epsilon_r = 54$; $\rho = 1000 \text{ kg/m}^3$
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: 2009-04-27; Ambient Temp: 23.0; Tissue Temp: 22.4

5mm from Body, Vertical Front, CDMA_Cellular Ch.384, Ant Internal

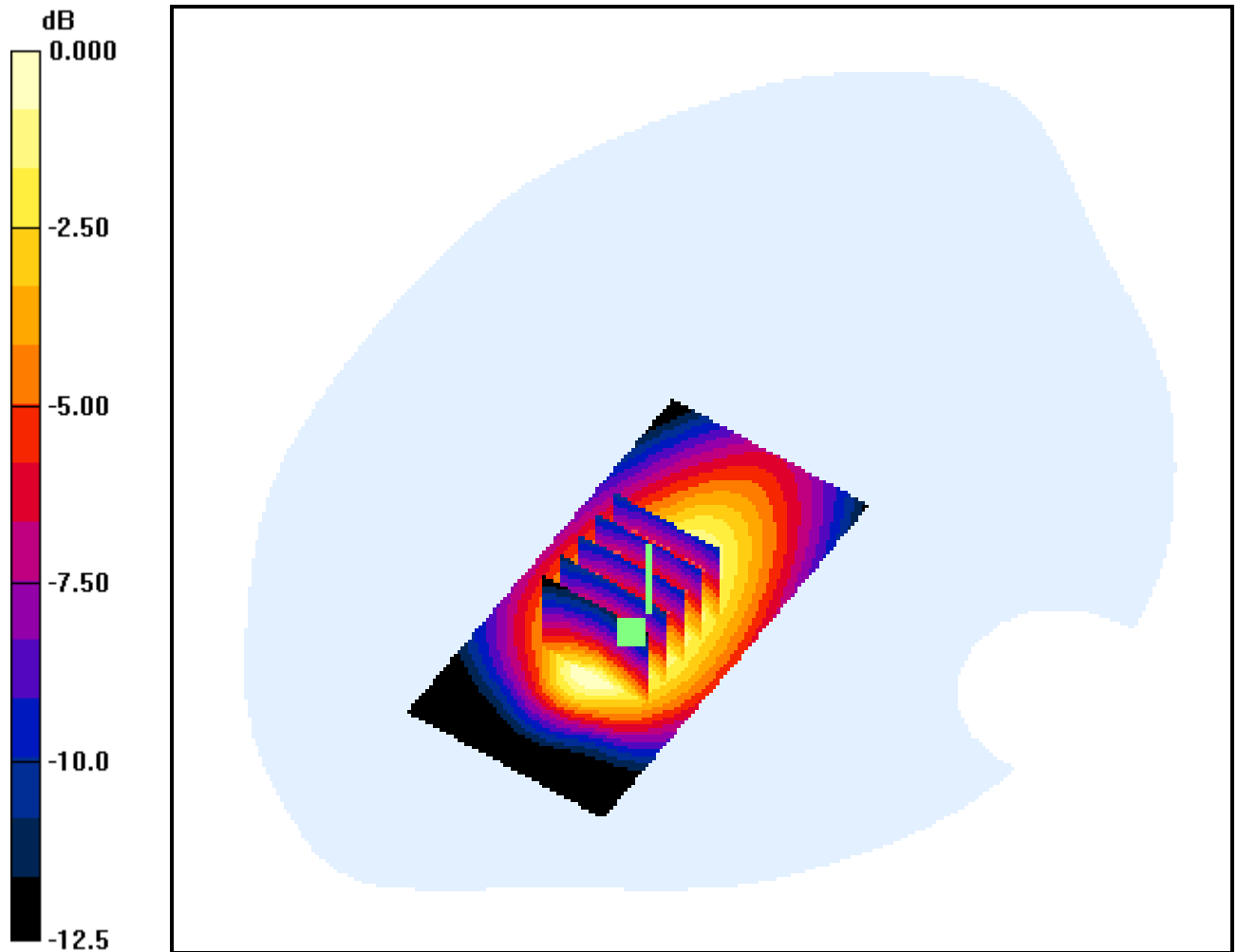
Area Scan (41x81x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

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) = 0.923 W/kg

SAR(1 g) = 0.602 mW/g; SAR(10 g) = 0.392 mW/g



0 dB = 0.740mW/g

DIGITAL EMC CO., LTD

DUT: SEC-8089; Type: USB Modem

Communication System: FCC CDMA; Frequency: 836.52 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 836.52 \text{ MHz}$; $\sigma = 0.995 \text{ mho/m}$; $\epsilon_r = 54$; $\rho = 1000 \text{ kg/m}^3$
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: 2009-04-27; Ambient Temp: 23.0; Tissue Temp: 22.4

5mm from Body, Vertical Back, CDMA_Cellular Ch.384, Ant Internal

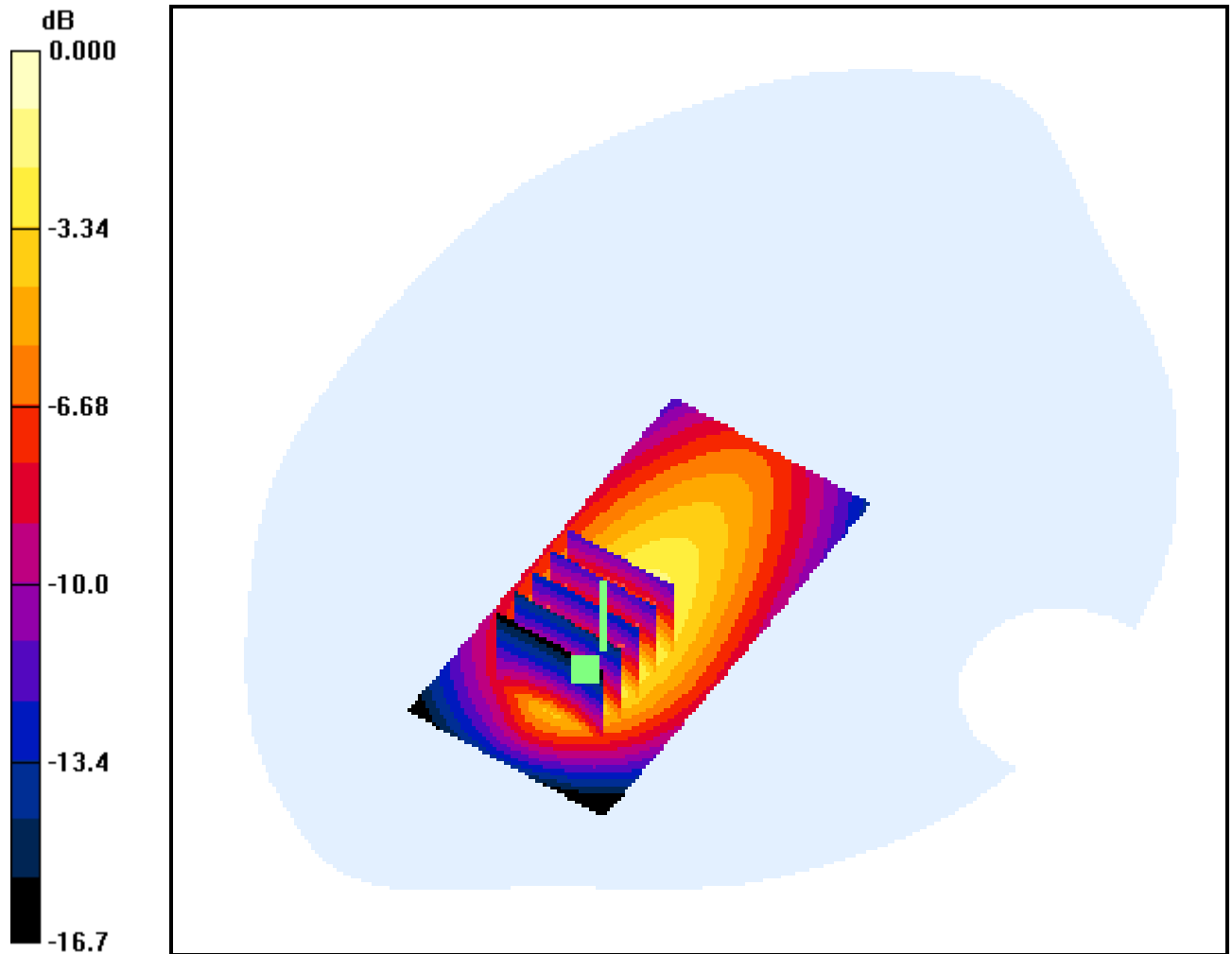
Area Scan (41x81x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

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

Power Drift = -0.332 dB

Peak SAR (extrapolated) = 0.923 W/kg

SAR(1 g) = 0.498 mW/g; SAR(10 g) = 0.279 mW/g



0 dB = 0.652mW/g

DIGITAL EMC CO., LTD

DUT: SEC-8089; Type: USB Modem

Communication System: FCC CDMA; Frequency: 836.52 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 836.52 \text{ MHz}$; $\sigma = 0.995 \text{ mho/m}$; $\epsilon_r = 54$; $\rho = 1000 \text{ kg/m}^3$
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: 2009-04-27; Ambient Temp: 23.0; Tissue Temp: 22.4

5mm from Body, Bottom, CDMA_Cellular Ch.384, Ant Internal

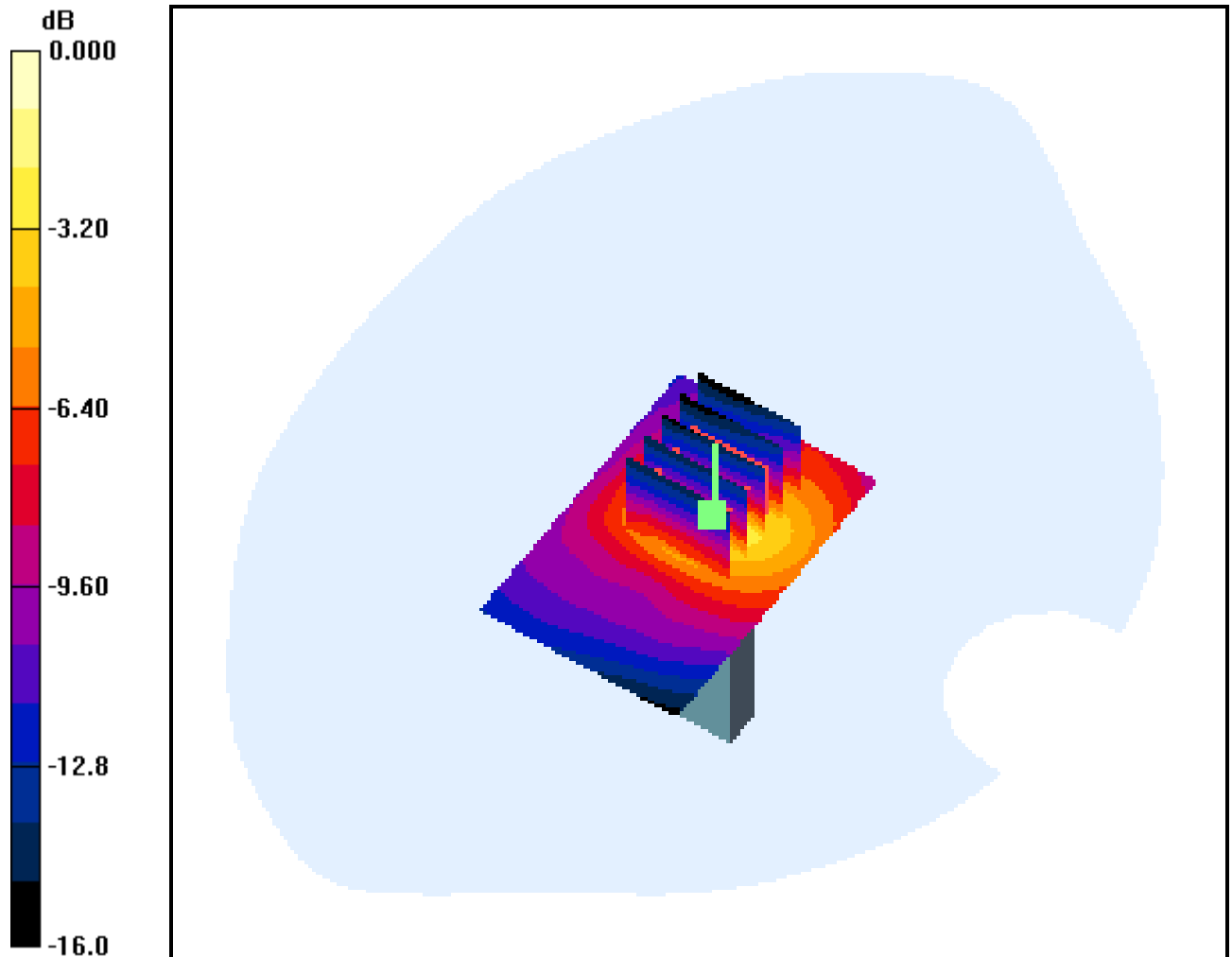
Area Scan (41x61x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

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) = 0.377 W/kg

SAR(1 g) = 0.150 mW/g; SAR(10 g) = 0.066 mW/g



0 dB = 0.210mW/g

DIGITAL EMC CO., LTD

DUT: SEC-8089; Type: USB Modem

Communication System: FCC CDMA; Frequency: 836.52 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 836.52 \text{ MHz}$; $\sigma = 0.995 \text{ mho/m}$; $\epsilon_r = 54$; $\rho = 1000 \text{ kg/m}^3$
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: 2009-04-27; Ambient Temp: 23.0; Tissue Temp: 22.4

5mm from Body, Top, CDMA_Cellular Ch.384, Ant Internal

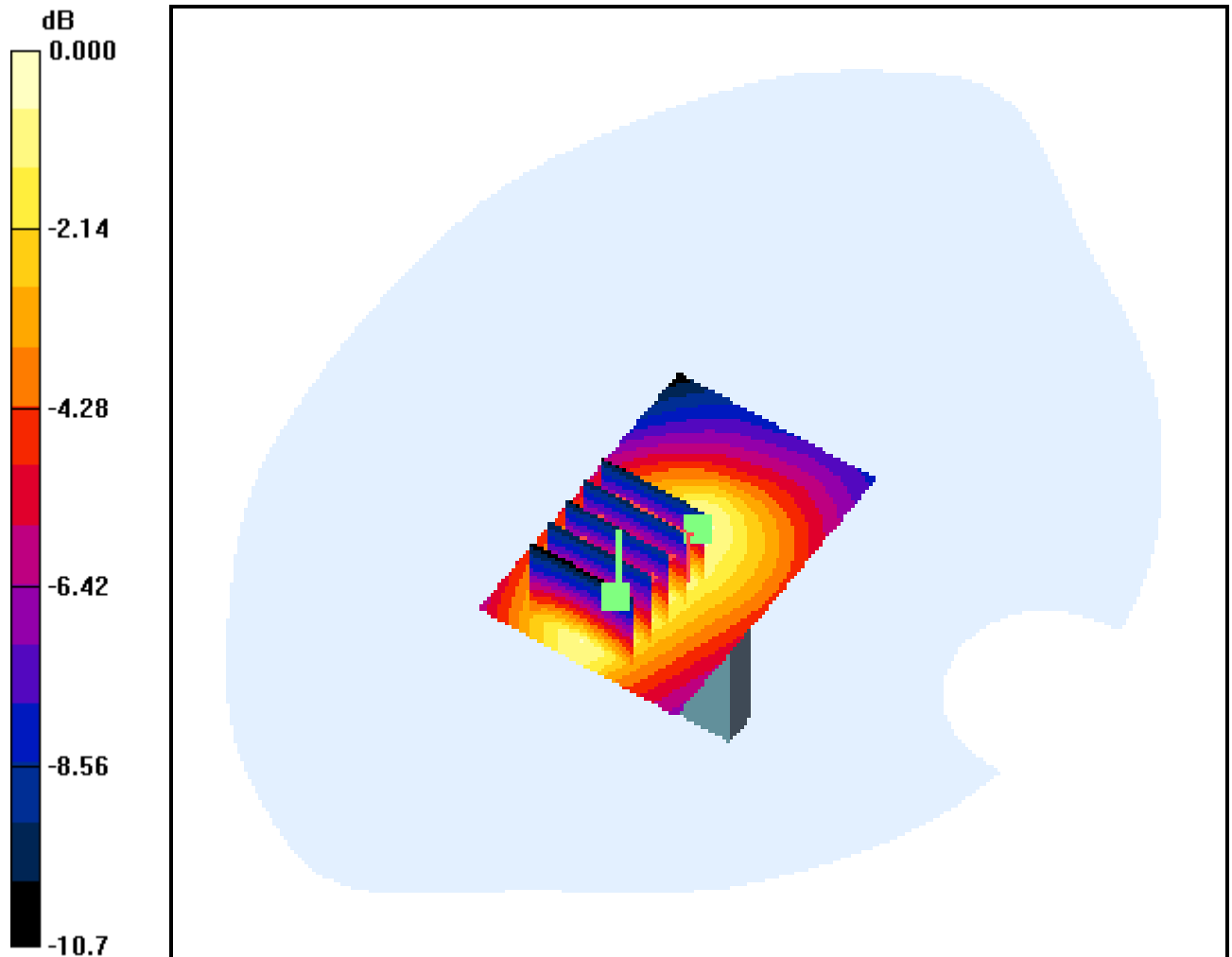
Area Scan (41x61x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

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

Power Drift = -0.364 dB

Peak SAR (extrapolated) = 0.192 W/kg

SAR(1 g) = 0.123 mW/g; SAR(10 g) = 0.080 mW/g



0 dB = 0.152mW/g

DIGITAL EMC CO., LTD

DUT: SEC-8089; Type: USB Modem

Communication System: FCC CDMA; Frequency: 836.52 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 836.52 \text{ MHz}$; $\sigma = 0.995 \text{ mho/m}$; $\epsilon_r = 54$; $\rho = 1000 \text{ kg/m}^3$
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: 2009-04-27; Ambient Temp: 23.0; Tissue Temp: 22.4

5mm from Body, Top, CDMA_Cellular Ch.384, Ant Internal

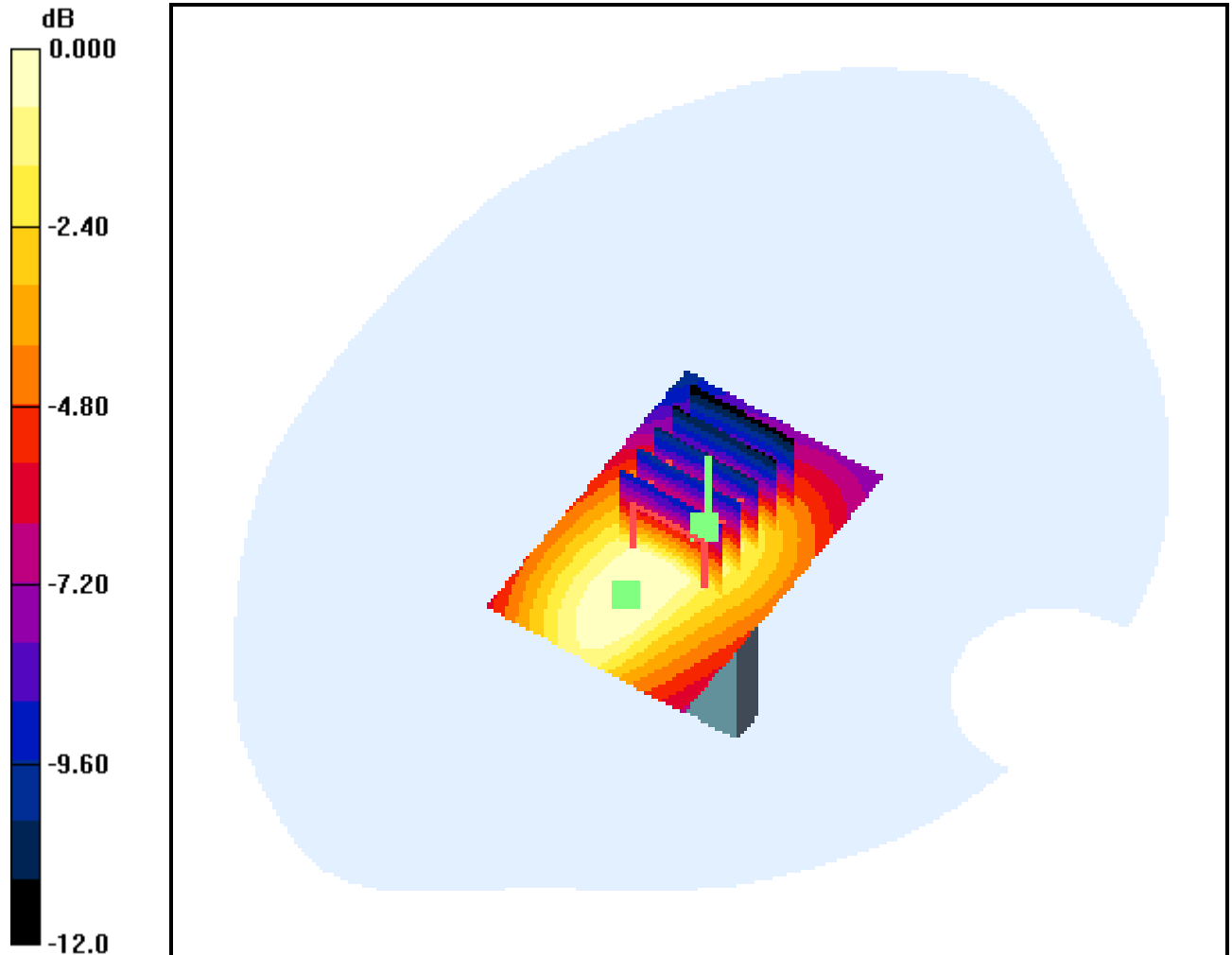
Area Scan (41x61x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

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

Power Drift = -0.364 dB

Peak SAR (extrapolated) = 0.191 W/kg

SAR(1 g) = 0.112 mW/g; SAR(10 g) = 0.073 mW/g



0 dB = 0.147mW/g

DIGITAL EMC CO., LTD

DUT: SEC-8089; Type: USB Modem

Communication System: FCC CDMA; Frequency: 824.7 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 824.7 \text{ MHz}$; $\sigma = 0.986 \text{ mho/m}$; $\epsilon_r = 54.1$; $\rho = 1000 \text{ kg/m}^3$
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: 2009-04-27; Ambient Temp: 23.0; Tissue Temp: 22.4

5mm from Body, Horizontal Down, EV_DO_Rev.A Ch.1013, Ant Internal

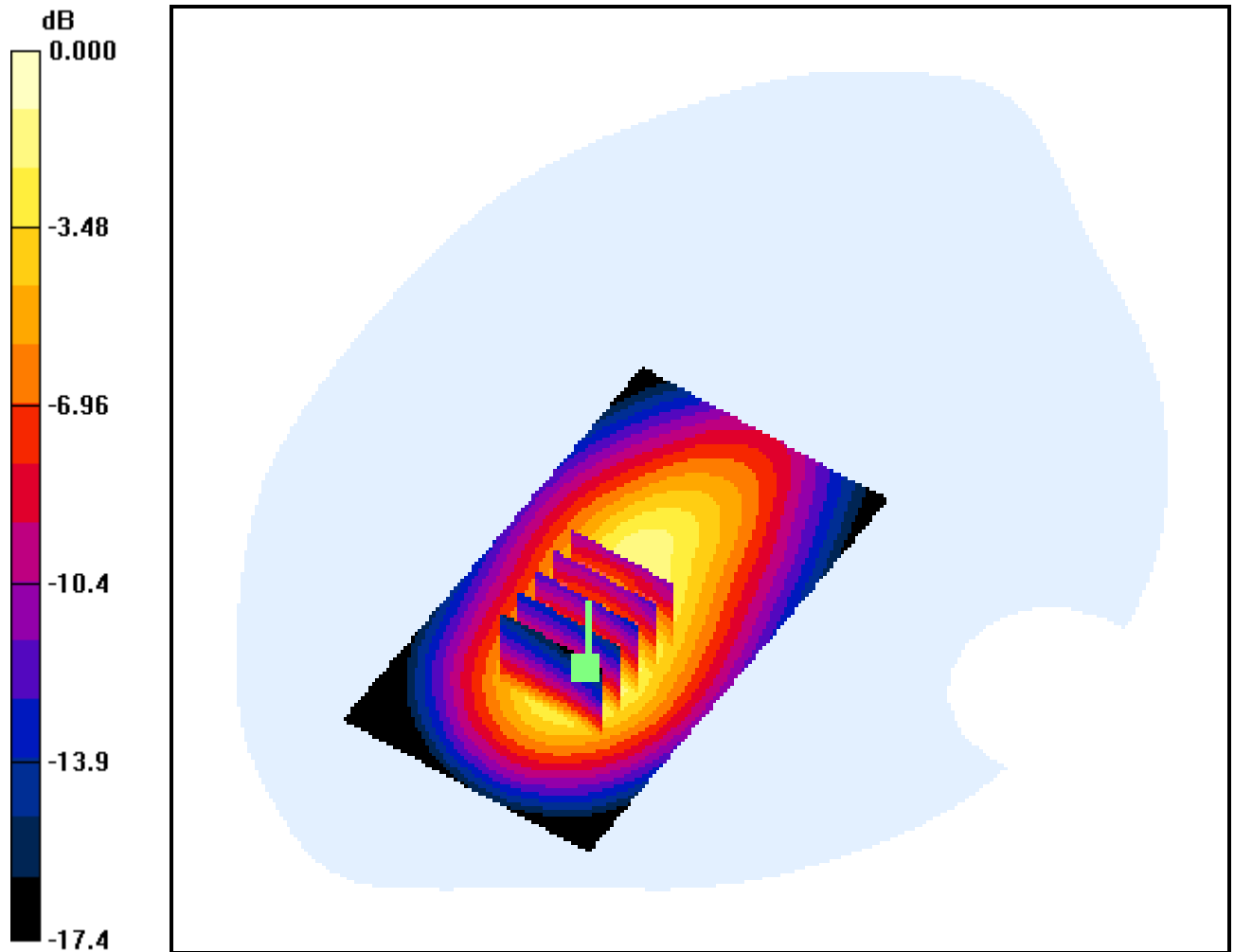
Area Scan (51x91x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

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

Power Drift = -0.068 dB

Peak SAR (extrapolated) = 1.95 W/kg

SAR(1 g) = 1.09 mW/g; SAR(10 g) = 0.658 mW/g



0 dB = 1.41mW/g

DIGITAL EMC CO., LTD

DUT: SEC-8089; Type: USB Modem

Communication System: FCC CDMA; Frequency: 836.52 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 836.52 \text{ MHz}$; $\sigma = 0.995 \text{ mho/m}$; $\epsilon_r = 54$; $\rho = 1000 \text{ kg/m}^3$
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: 2009-04-27; Ambient Temp: 23.0; Tissue Temp: 22.4

5mm from Body, Horizontal Down, EV_DO_Rev.A Ch.384, Ant Internal

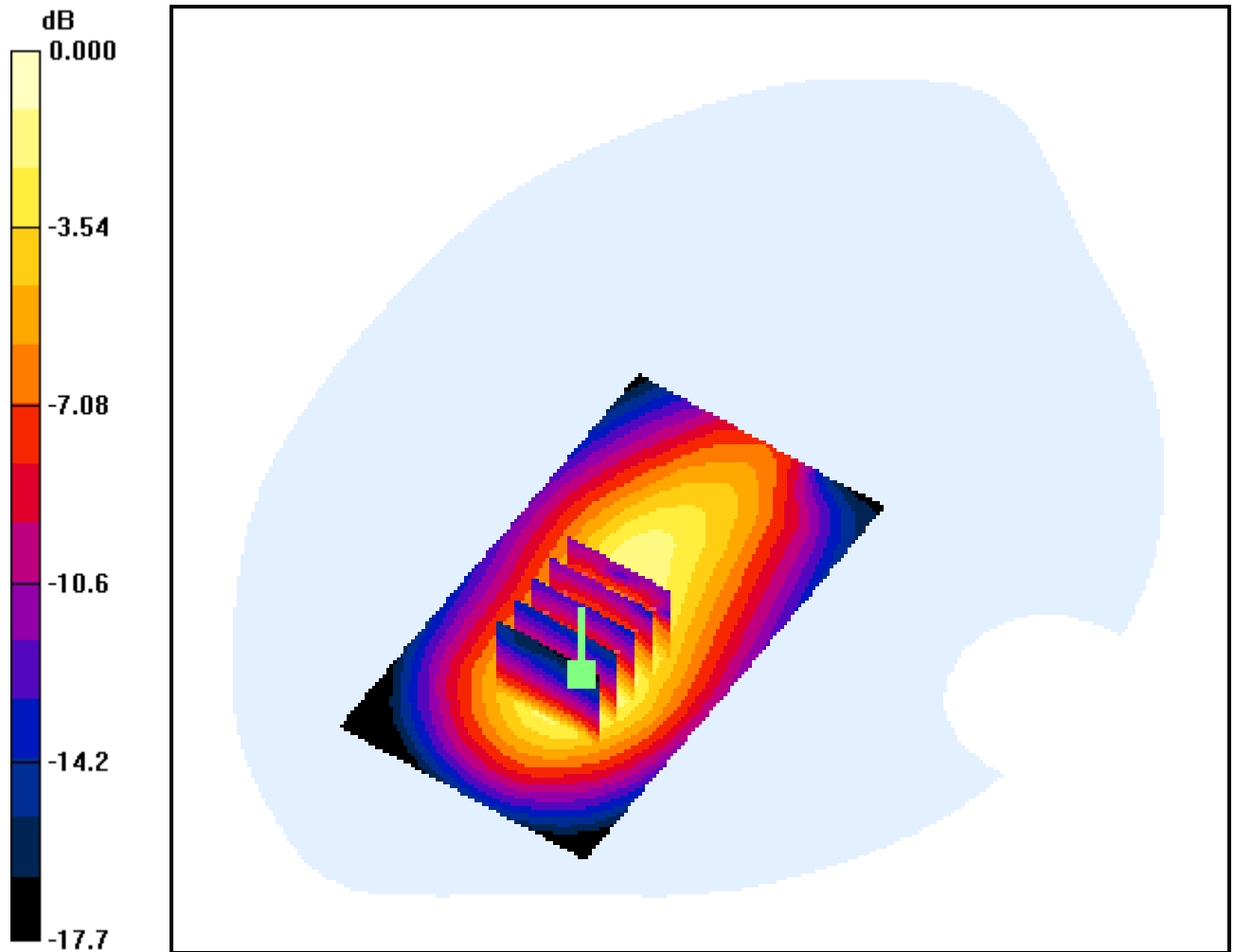
Area Scan (51x91x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

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

Power Drift = 0.371 dB

Peak SAR (extrapolated) = 1.39 W/kg

SAR(1 g) = 0.717 mW/g; SAR(10 g) = 0.417 mW/g



0 dB = 0.977mW/g

DIGITAL EMC CO., LTD

DUT: SEC-8089; Type: USB Modem

Communication System: FCC CDMA; Frequency: 848.31 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 848.31 \text{ MHz}$; $\sigma = 1.01 \text{ mho/m}$; $\epsilon_r = 53.8$; $\rho = 1000 \text{ kg/m}^3$
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: 2009-04-27; Ambient Temp: 23.0; Tissue Temp: 22.4

5mm from Body, Horizontal Down, EV_DO_Rev.A Ch.777, Ant Internal

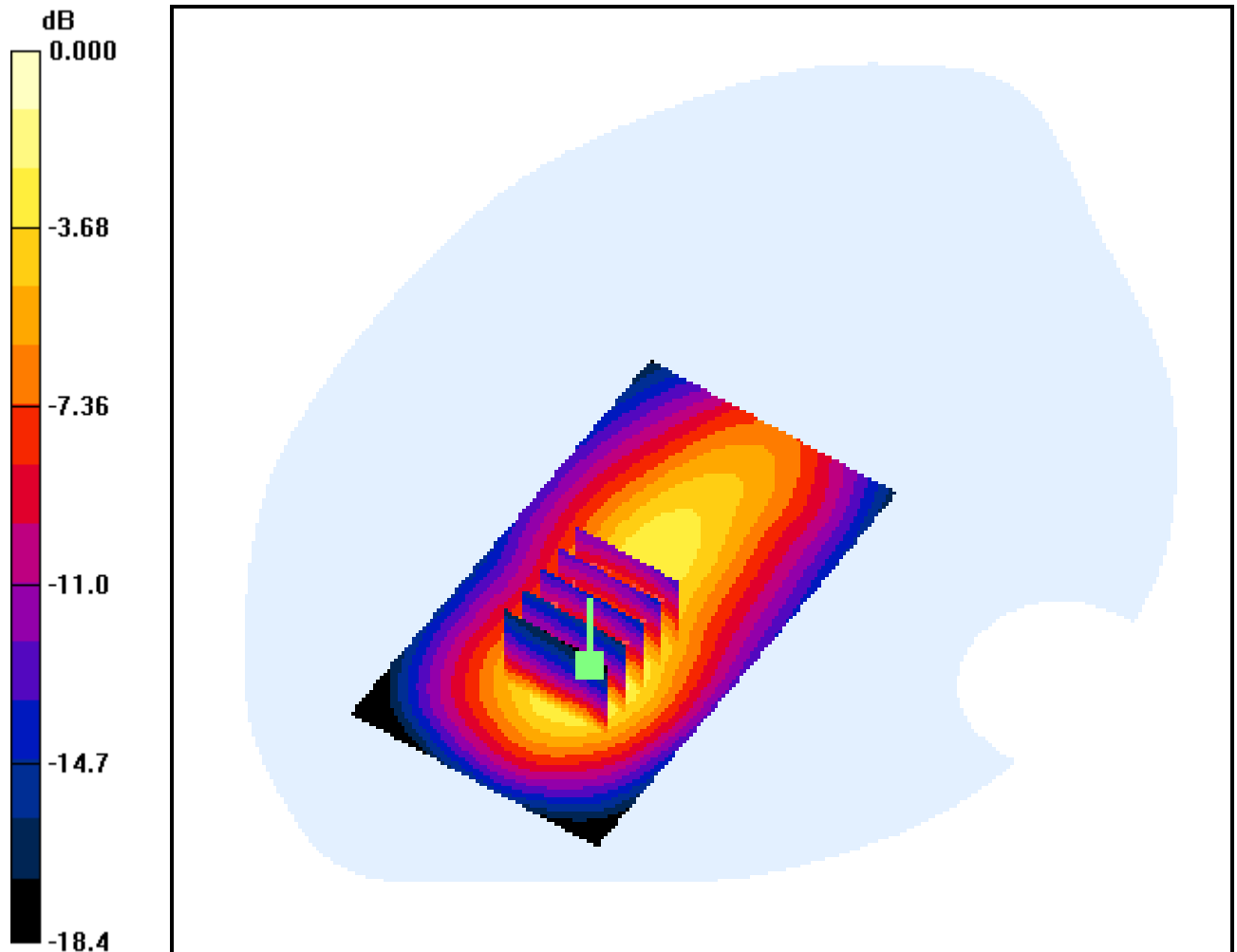
Area Scan (51x91x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

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

Power Drift = 0.002 dB

Peak SAR (extrapolated) = 0.658 W/kg

SAR(1 g) = 0.347 mW/g; SAR(10 g) = 0.190 mW/g



0 dB = 0.487mW/g

DIGITAL EMC CO., LTD

DUT: SEC-8089; Type: USB Modem

Communication System: FCC_PCS; Frequency: 1880 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 1880 \text{ MHz}$; $\sigma = 1.56 \text{ mho/m}$; $\epsilon_r = 52.9$; $\rho = 1000 \text{ kg/m}^3$

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: 2009-04-28; Ambient Temp: 23.0; Tissue Temp: 21.5

5mm from Body, Horizontal Up, CDMA_EV_DO Ch.600, Ant Internal

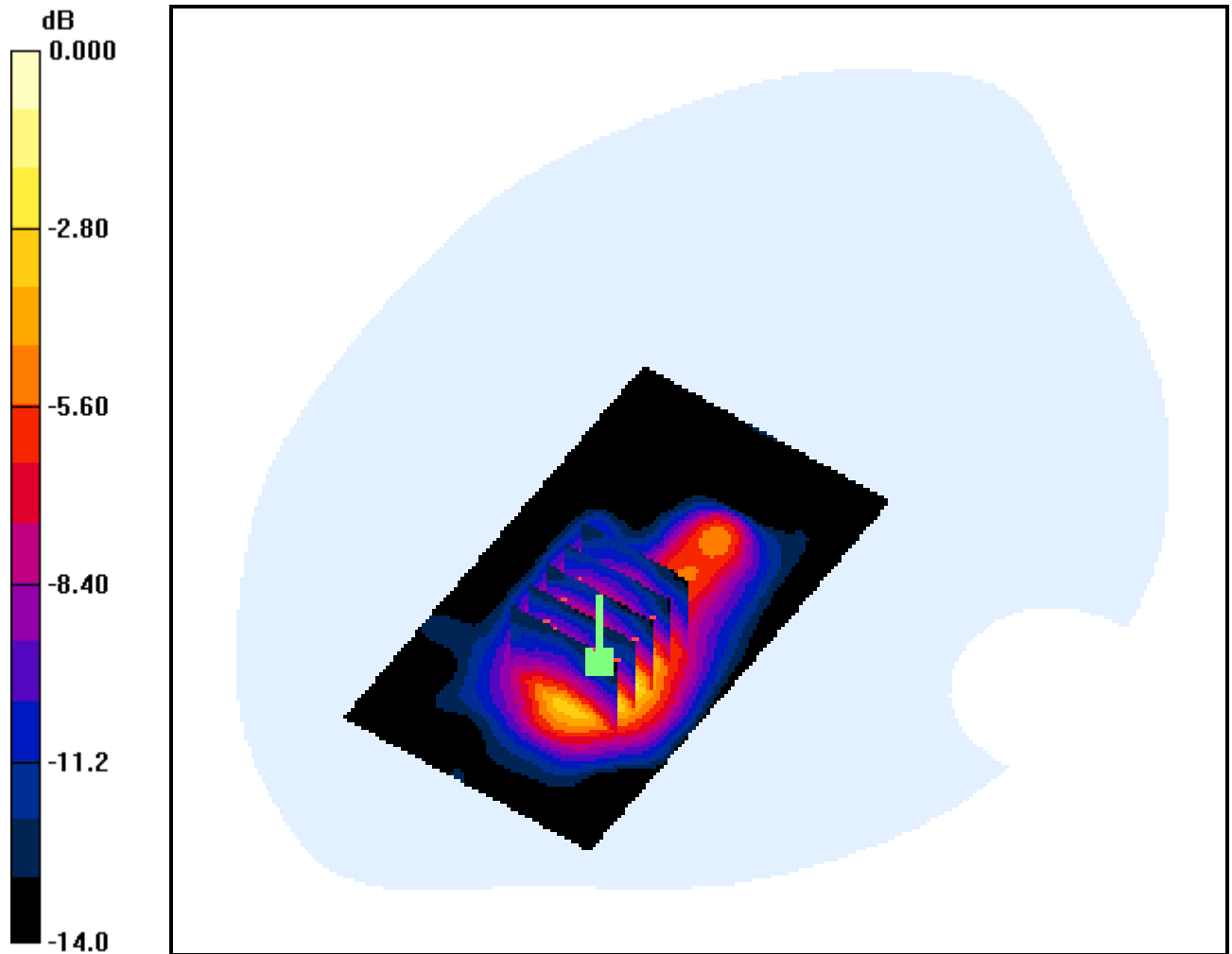
Area Scan (51x91x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

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

Power Drift = 0.273 dB

Peak SAR (extrapolated) = 0.167 W/kg

SAR(1 g) = 0.094 mW/g; SAR(10 g) = 0.050 mW/g



0 dB = 0.118mW/g

DIGITAL EMC CO., LTD

DUT: SEC-8089; Type: USB Modem

Communication System: FCC_PCS; Frequency: 1851.25 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 1851.25$ MHz; $\sigma = 1.52$ mho/m; $\epsilon_r = 53$; $\rho = 1000$ kg/m³
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: 2009-04-28; Ambient Temp: 23.0; Tissue Temp: 21.5

5mm from Body, Horizontal Down, CDMA_EV_DO Ch.25, Ant Internal

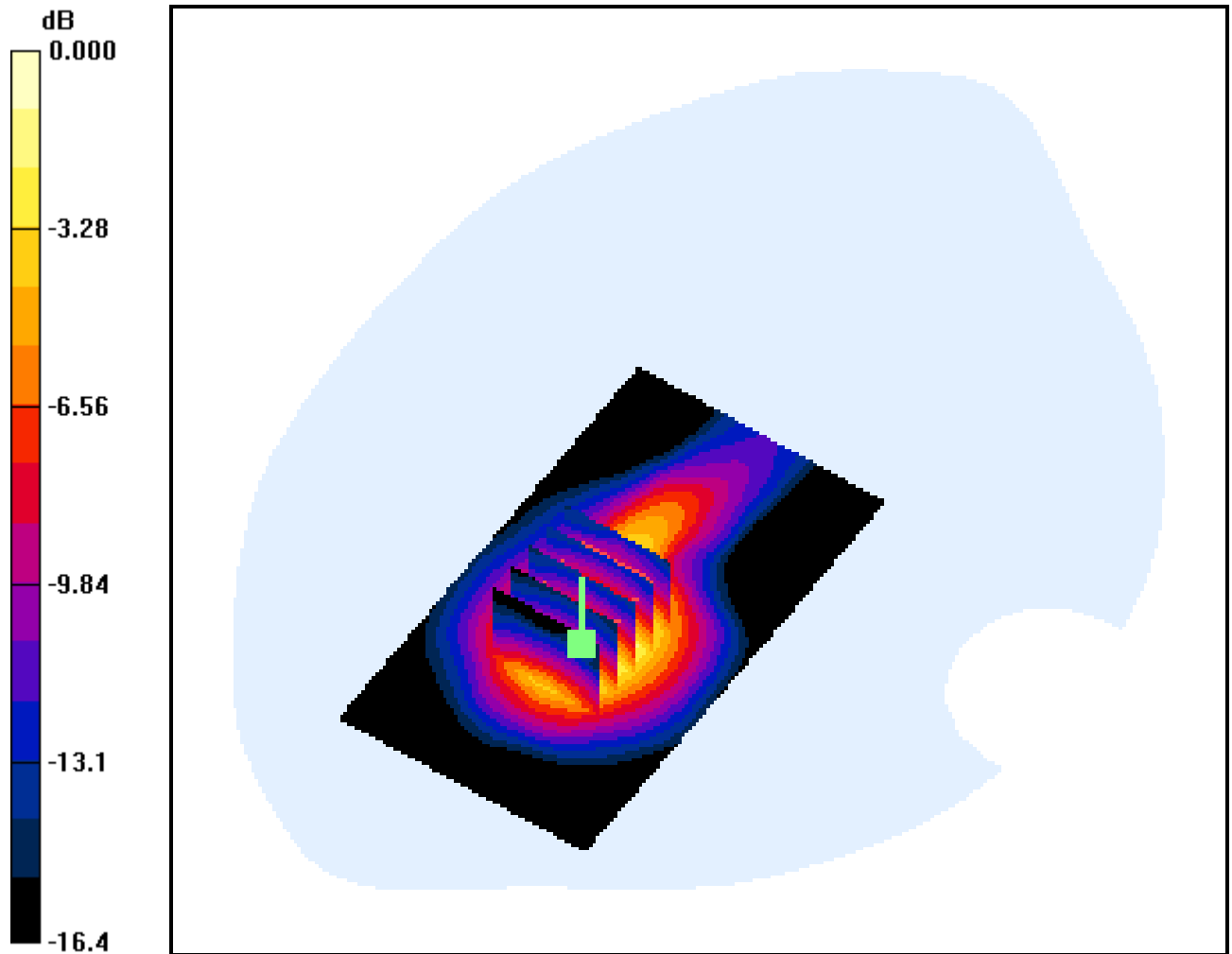
Area Scan (51x91x1): Measurement grid: dx=15mm, dy=15mm

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

Power Drift = -0.001 dB

Peak SAR (extrapolated) = 0.332 W/kg

SAR(1 g) = 0.189 mW/g; SAR(10 g) = 0.103 mW/g



0 dB = 0.245mW/g

DIGITAL EMC CO., LTD

DUT: SEC-8089; Type: USB Modem

Communication System: FCC_PCS; Frequency: 1880 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 1880 \text{ MHz}$; $\sigma = 1.56 \text{ mho/m}$; $\epsilon_r = 52.9$; $\rho = 1000 \text{ kg/m}^3$

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: 2009-04-28; Ambient Temp: 23.0; Tissue Temp: 21.5

5mm from Body, Horizontal Down, CDMA_EV_DO Ch.600, Ant Internal

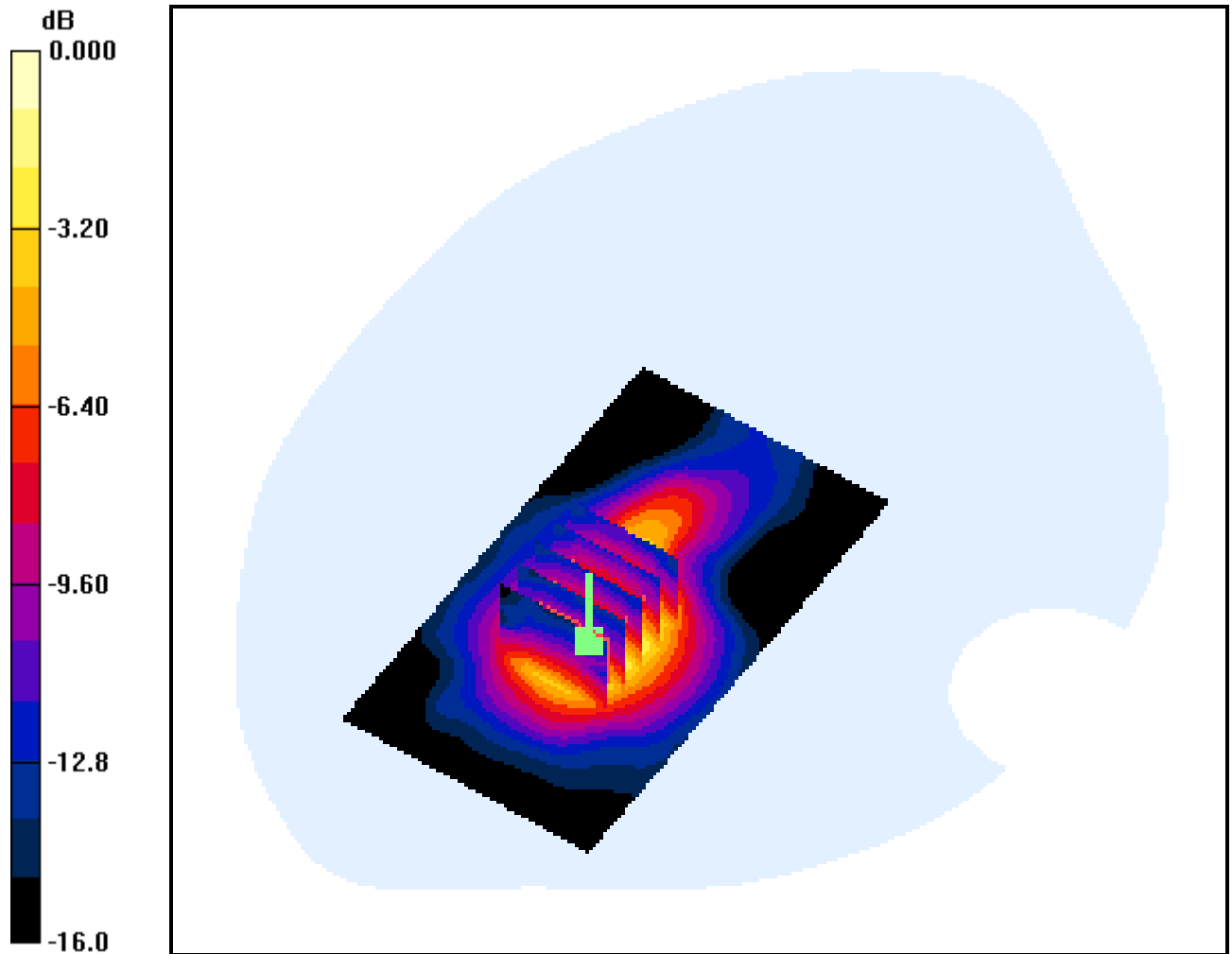
Area Scan (51x91x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

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

Power Drift = 0.206 dB

Peak SAR (extrapolated) = 0.248 W/kg

SAR(1 g) = 0.117 mW/g; SAR(10 g) = 0.064 mW/g



0 dB = 0.150mW/g

DIGITAL EMC CO., LTD

DUT: SEC-8089; Type: USB Modem

Communication System: FCC_PCS; Frequency: 1908.75 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 1908.75 \text{ MHz}$; $\sigma = 1.59 \text{ mho/m}$; $\epsilon_r = 52.8$; $\rho = 1000 \text{ kg/m}^3$
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: 2009-04-28; Ambient Temp: 23.0; Tissue Temp: 21.5

5mm from Body, Horizontal Down, CDMA_EV_DO Ch.1175, Ant Internal

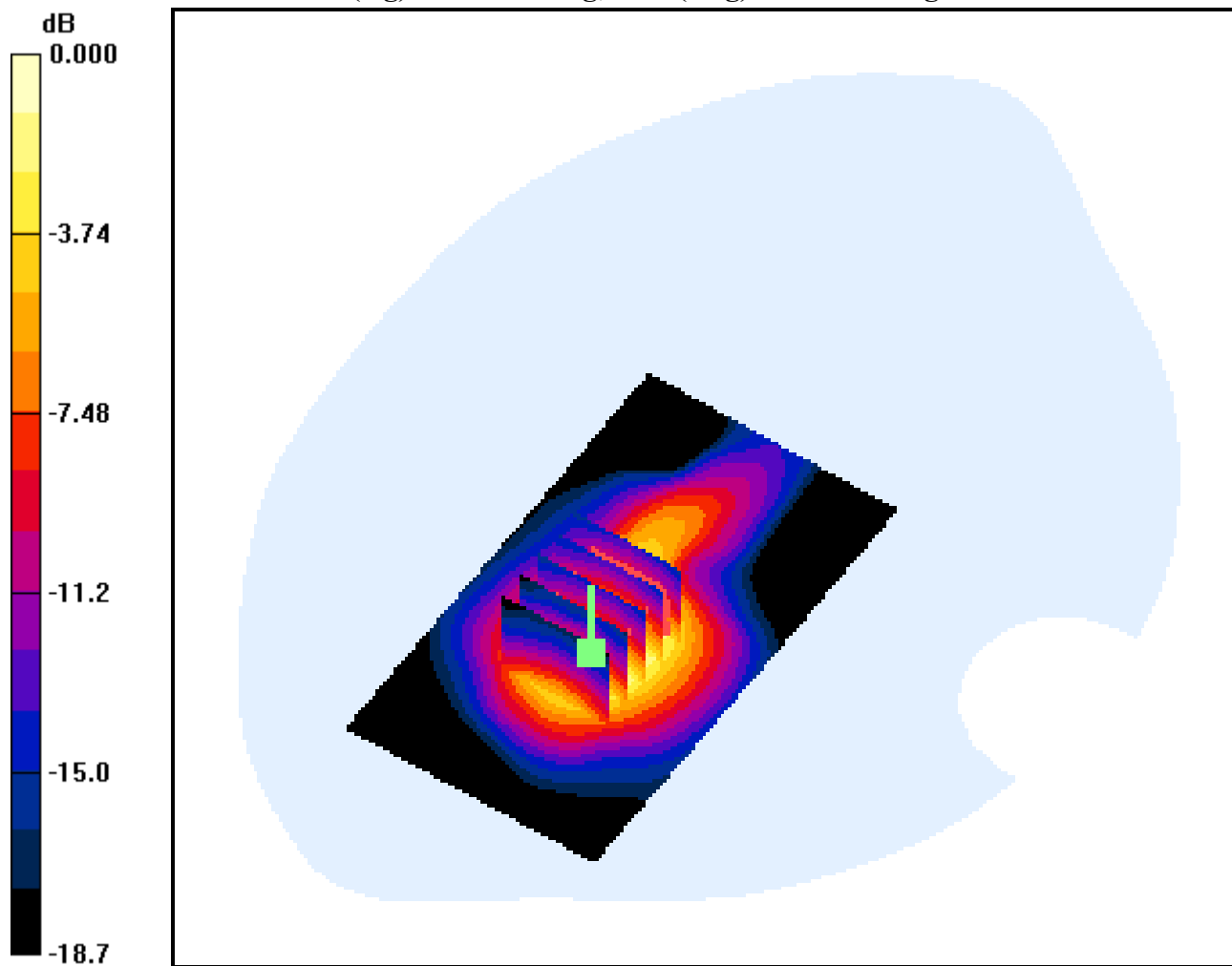
Area Scan (51x91x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

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

Power Drift = 0.111 dB

Peak SAR (extrapolated) = 0.469 W/kg

SAR(1 g) = 0.261 mW/g; SAR(10 g) = 0.140 mW/g



0 dB = 0.337mW/g

DIGITAL EMC CO., LTD

DUT: SEC-8089; Type: USB Modem

Communication System: FCC_PCS; Frequency: 1880 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 1880 \text{ MHz}$; $\sigma = 1.56 \text{ mho/m}$; $\epsilon_r = 52.9$; $\rho = 1000 \text{ kg/m}^3$

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: 2009-04-28; Ambient Temp: 23.0; Tissue Temp: 21.5

5mm from Body, Vertical Front, CDMA_EV_DO Ch.600, Ant Internal

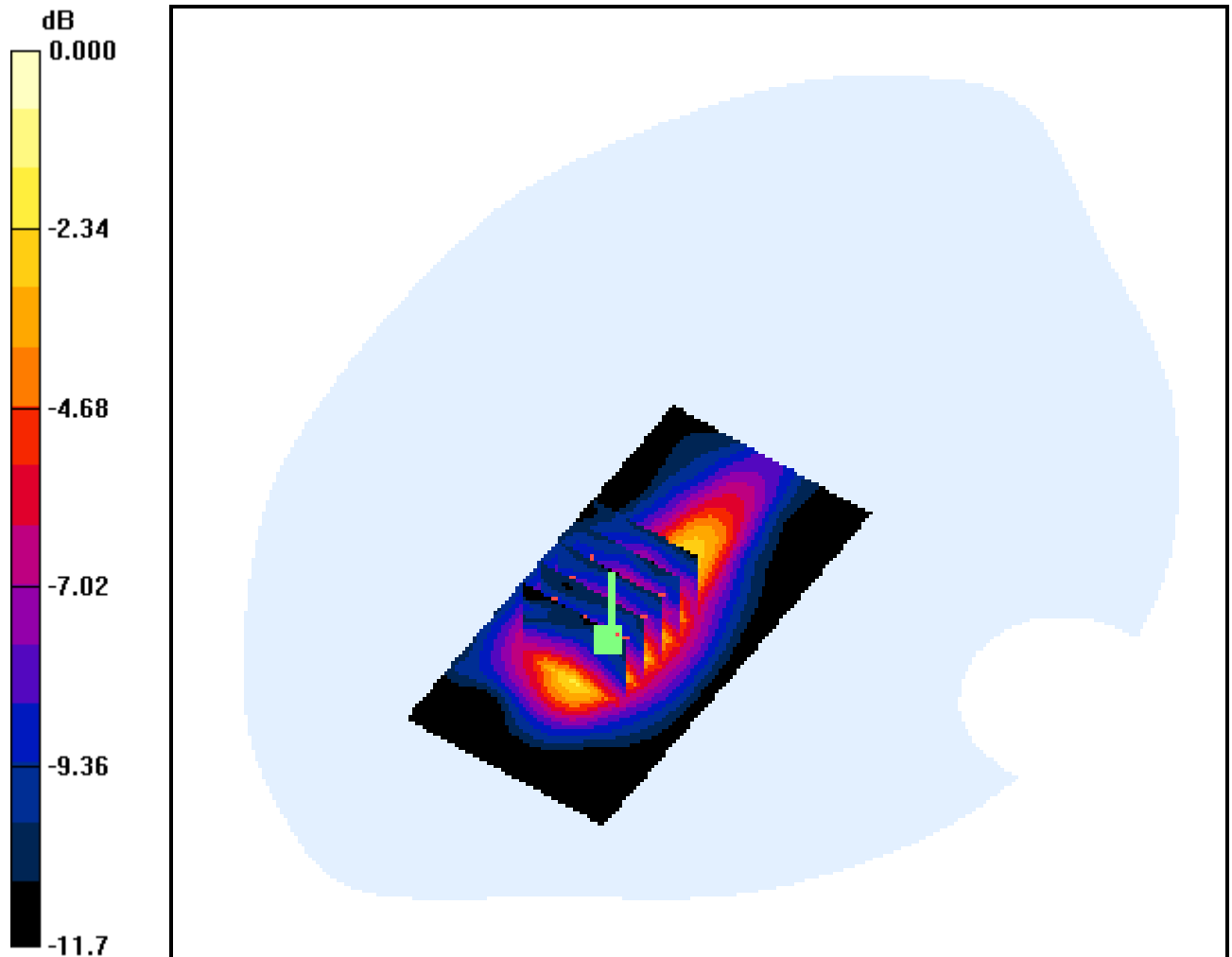
Area Scan (41x81x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

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

Power Drift = 0.230 dB

Peak SAR (extrapolated) = 0.082 W/kg

SAR(1 g) = 0.043 mW/g; SAR(10 g) = 0.024 mW/g



0 dB = 0.056mW/g

DIGITAL EMC CO., LTD

DUT: SEC-8089; Type: USB Modem

Communication System: FCC_PCS; Frequency: 1880 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 1880 \text{ MHz}$; $\sigma = 1.56 \text{ mho/m}$; $\epsilon_r = 52.9$; $\rho = 1000 \text{ kg/m}^3$

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: 2009-04-28; Ambient Temp: 23.0; Tissue Temp: 21.5

5mm from Body, Vertical Back, CDMA_EV_DO Ch.600, Ant Internal

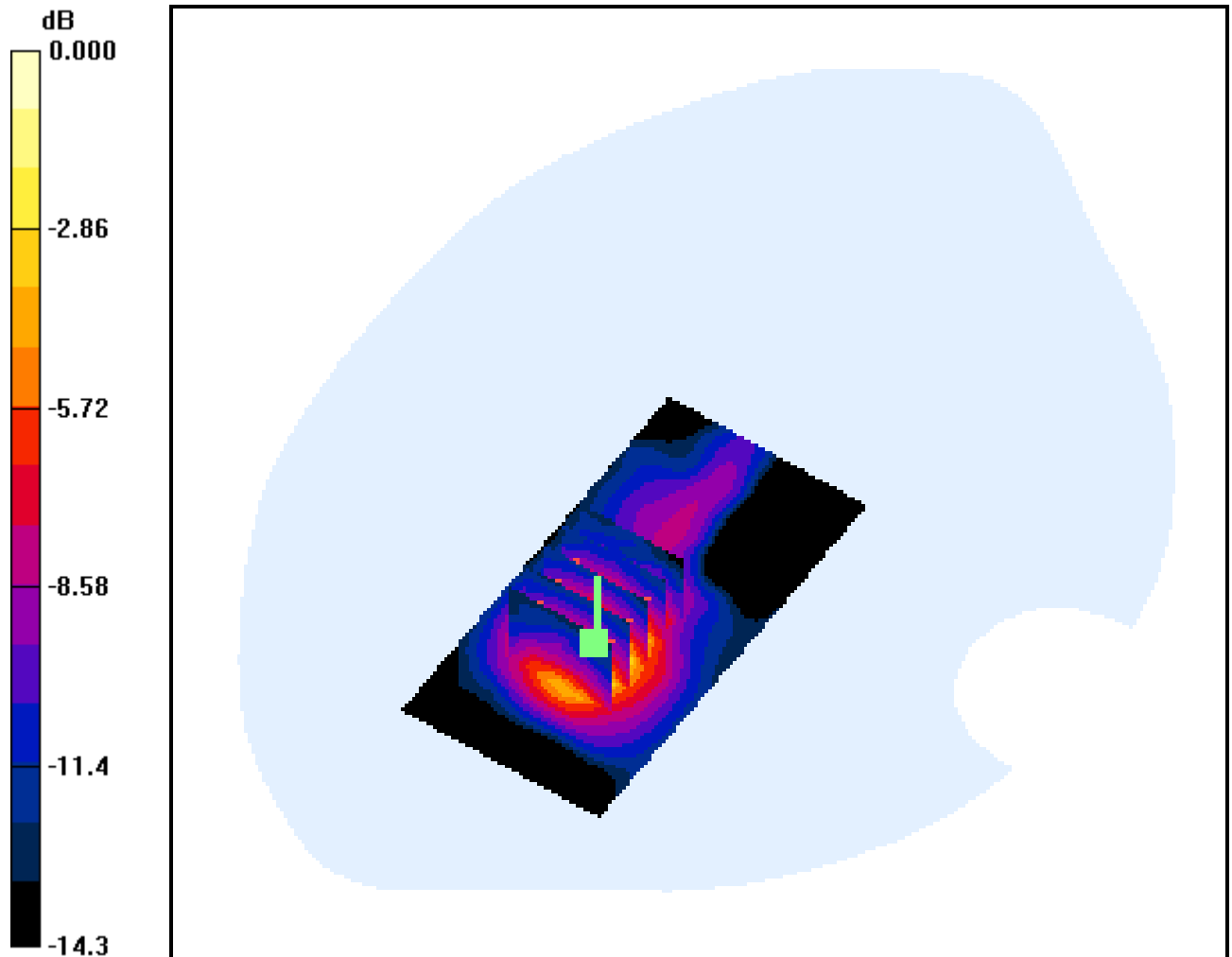
Area Scan (41x81x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

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

Power Drift = -0.138 dB

Peak SAR (extrapolated) = 0.115 W/kg

SAR(1 g) = 0.069 mW/g; SAR(10 g) = 0.036 mW/g



0 dB = 0.096mW/g

DIGITAL EMC CO., LTD

DUT: SEC-8089; Type: USB Modem

Communication System: FCC_PCS; Frequency: 1880 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 1880 \text{ MHz}$; $\sigma = 1.56 \text{ mho/m}$; $\epsilon_r = 52.9$; $\rho = 1000 \text{ kg/m}^3$

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: 2009-04-28; Ambient Temp: 23.0; Tissue Temp: 21.5

5mm from Body, Bottom, CDMA_EV_DO Ch.600, Ant Internal

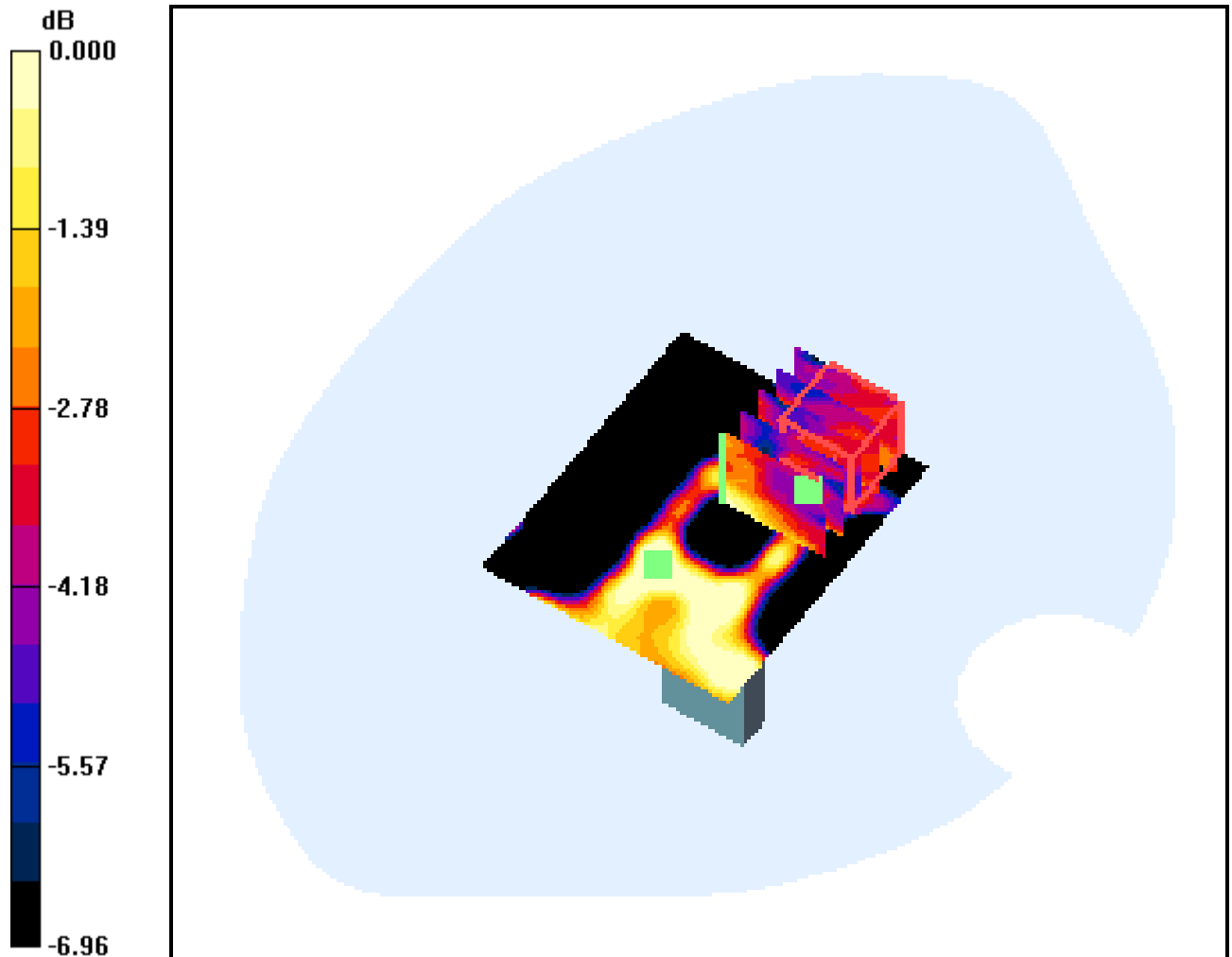
Area Scan (51x61x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

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

Power Drift = 0.229 dB

Peak SAR (extrapolated) = 0.008 W/kg

SAR(1 g) = 0.00364 mW/g; SAR(10 g) = 0.0024 mW/g



0 dB = 0.007mW/g

DIGITAL EMC CO., LTD

DUT: SEC-8089; Type: USB Modem

Communication System: FCC_PCS; Frequency: 1880 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 1880 \text{ MHz}$; $\sigma = 1.56 \text{ mho/m}$; $\epsilon_r = 52.9$; $\rho = 1000 \text{ kg/m}^3$

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: 2009-04-28; Ambient Temp: 23.0; Tissue Temp: 21.5

5mm from Body, Bottom, CDMA_EV_DO Ch.600, Ant Internal

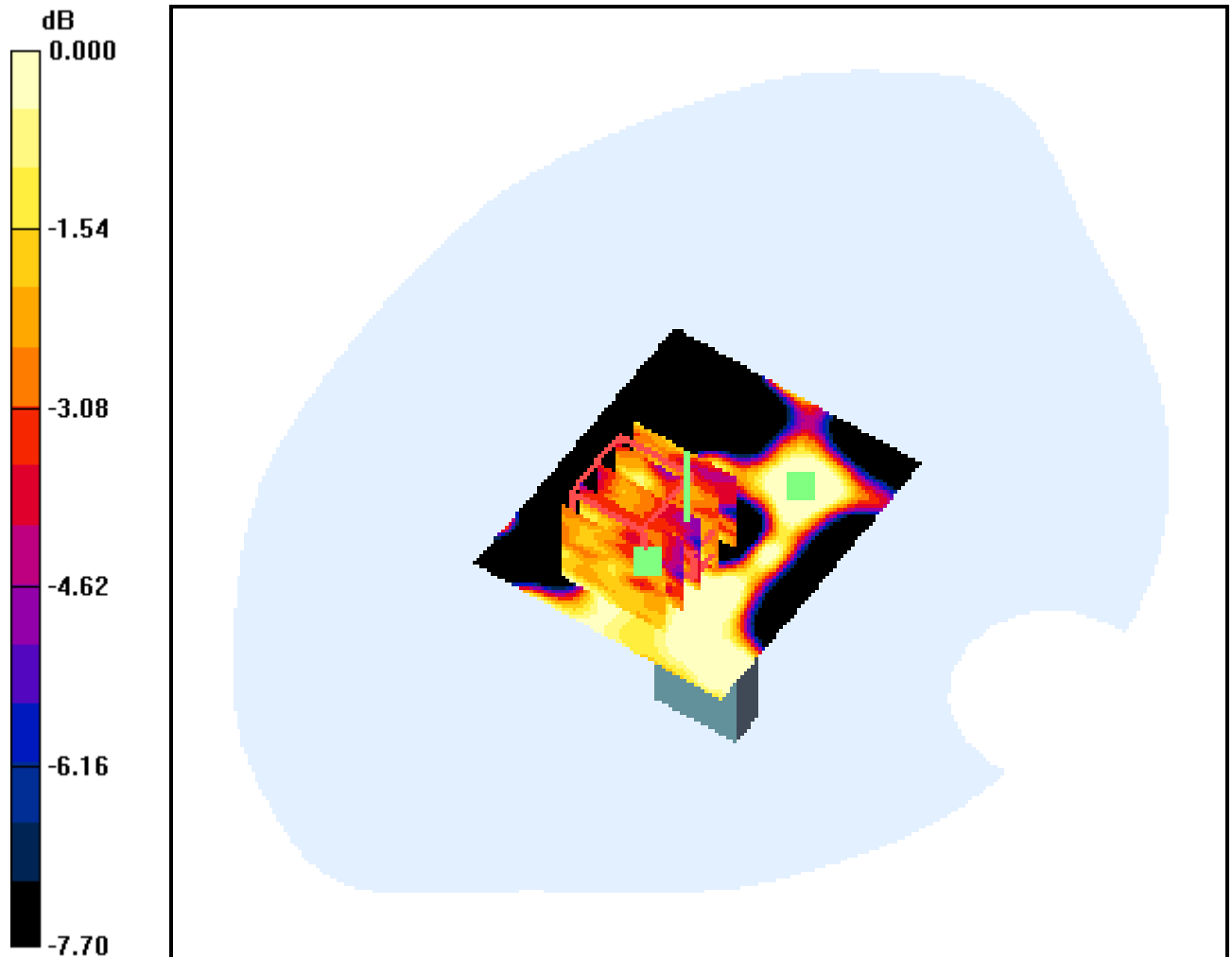
Area Scan (51x61x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

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

Power Drift = 0.229 dB

Peak SAR (extrapolated) = 0.024 W/kg

SAR(1 g) = 0.00507 mW/g; SAR(10 g) = 0.0026 mW/g



0 dB = 0.006mW/g

DIGITAL EMC CO., LTD

DUT: SEC-8089; Type: USB Modem

Communication System: FCC_PCS; Frequency: 1880 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 1880 \text{ MHz}$; $\sigma = 1.56 \text{ mho/m}$; $\epsilon_r = 52.9$; $\rho = 1000 \text{ kg/m}^3$

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: 2009-04-28; Ambient Temp: 23.0; Tissue Temp: 21.5

5mm from Body, Top, CDMA_EV_DO Ch.600, Ant Internal

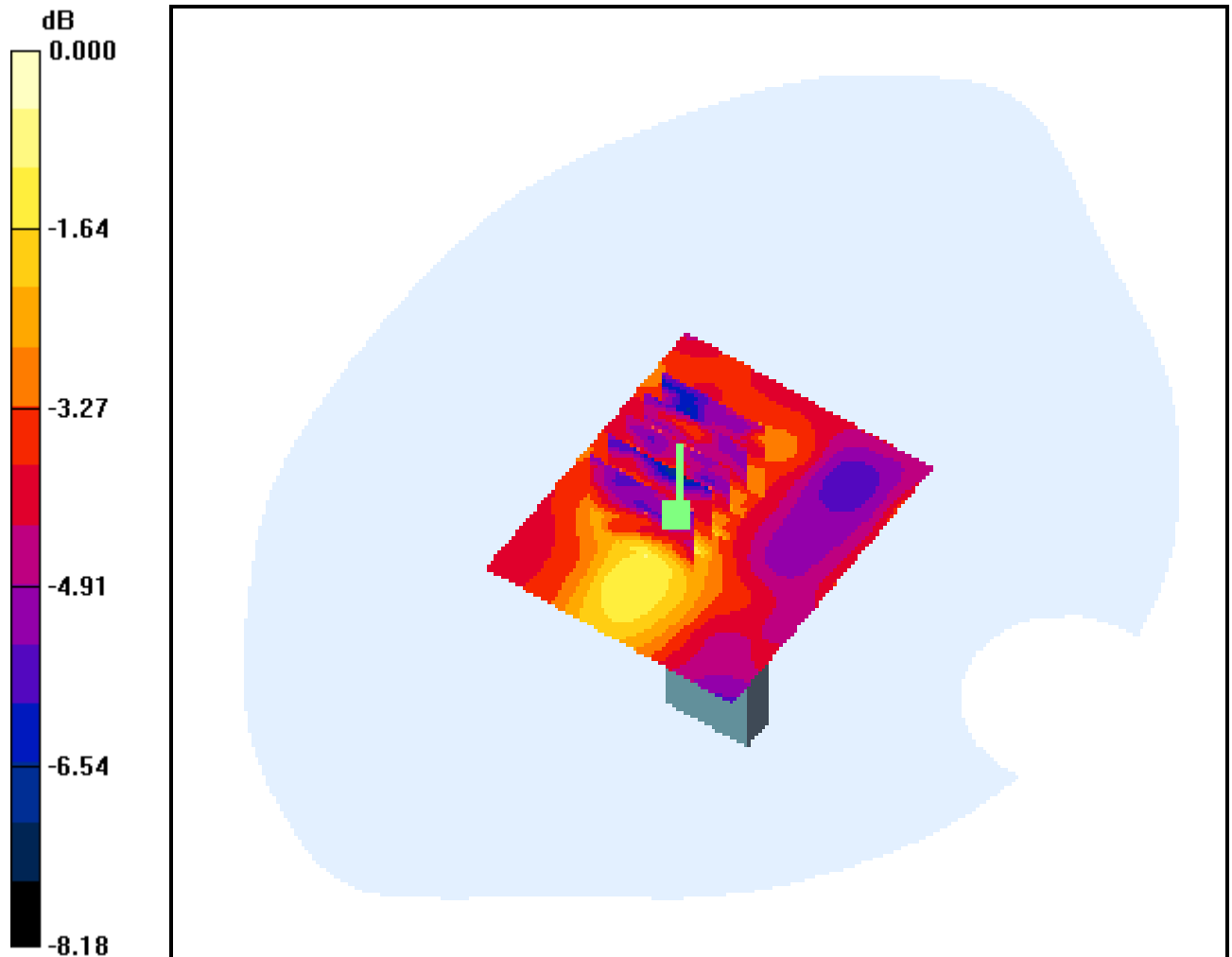
Area Scan (51x61x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

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

Power Drift = -0.259 dB

Peak SAR (extrapolated) = 0.016 W/kg

SAR(1 g) = 0.00879 mW/g; SAR(10 g) = 0.00636 mW/g



0 dB = 0.011mW/g

DIGITAL EMC CO., LTD

DUT: SEC-8089; Type: USB Modem

Communication System: FCC_PCS; Frequency: 1880 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 1880 \text{ MHz}$; $\sigma = 1.56 \text{ mho/m}$; $\epsilon_r = 52.9$; $\rho = 1000 \text{ kg/m}^3$

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: 2009-04-28; Ambient Temp: 23.0; Tissue Temp: 21.5

5mm from Body, Horizontal Up, CDMA_PCS Ch.600, Ant Internal

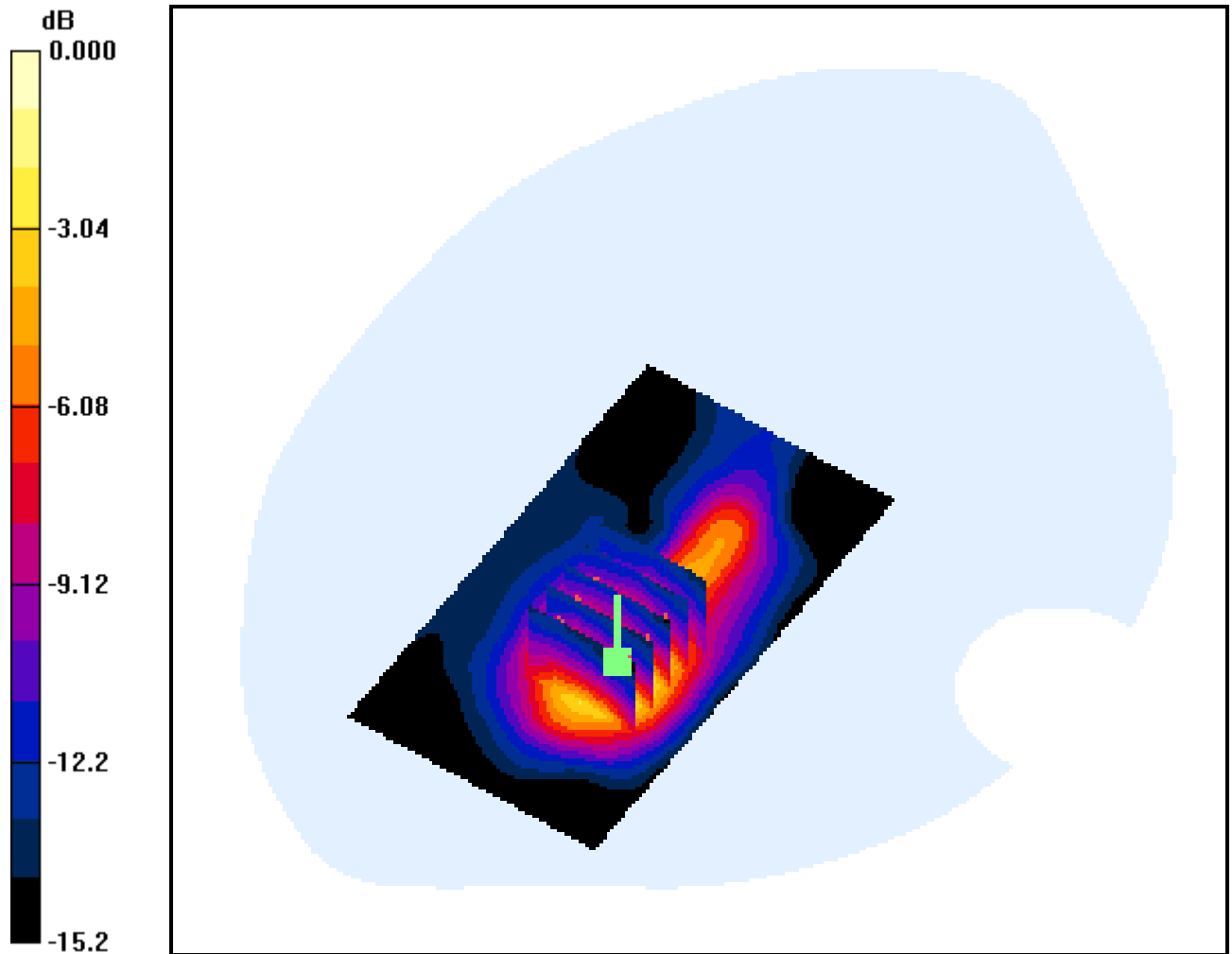
Area Scan (51x91x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

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) = 0.174 W/kg

SAR(1 g) = 0.093 mW/g; SAR(10 g) = 0.049 mW/g



0 dB = 0.125mW/g

DIGITAL EMC CO., LTD

DUT: SEC-8089; Type: USB Modem

Communication System: FCC_PCS; Frequency: 1851.25 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 1851.25 \text{ MHz}$; $\sigma = 1.52 \text{ mho/m}$; $\epsilon_r = 53$; $\rho = 1000 \text{ kg/m}^3$
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: 2009-04-28; Ambient Temp: 23.0; Tissue Temp: 21.5

5mm from Body, Horizontal Down, CDMA_PCS Ch.25, Ant Internal

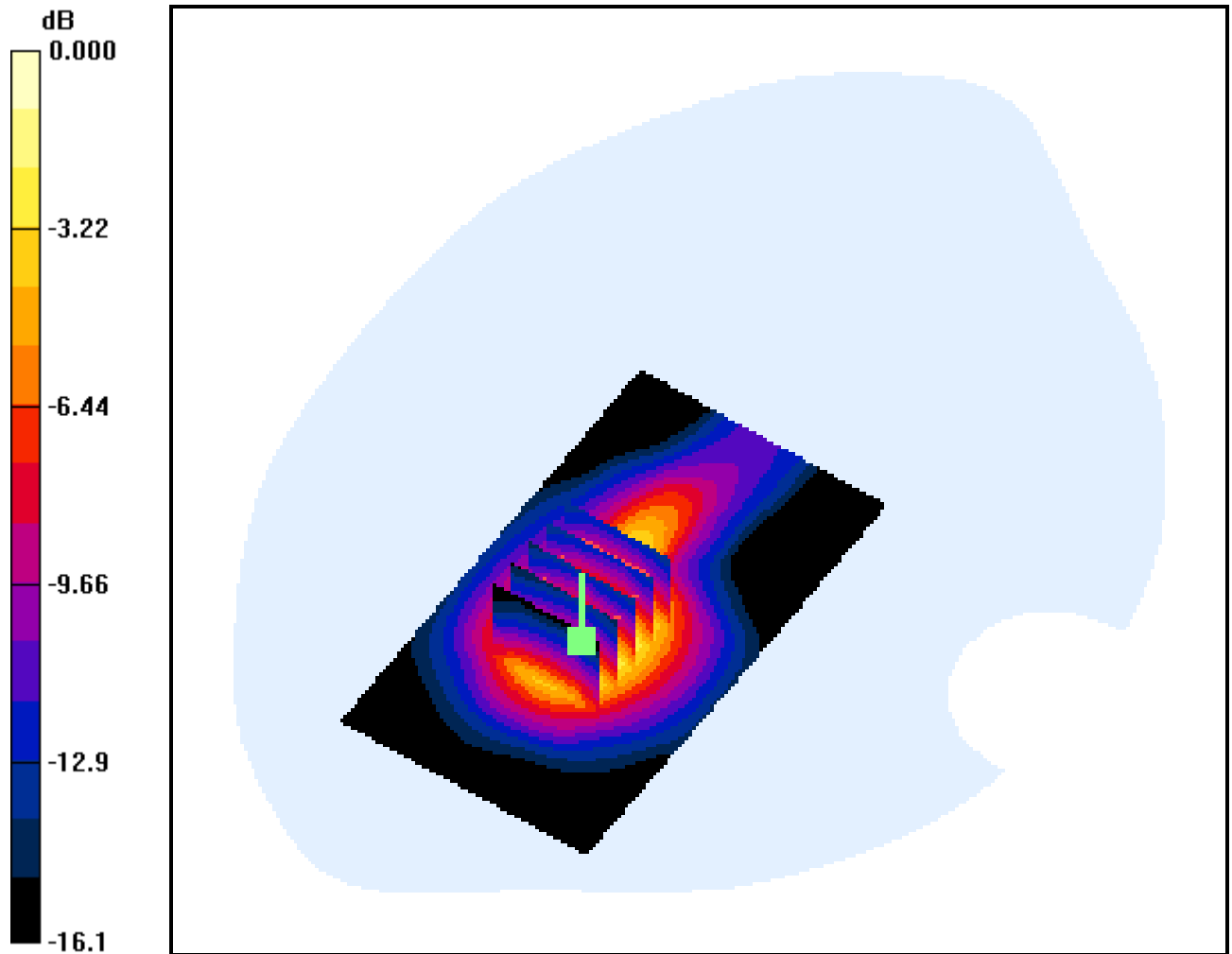
Area Scan (51x91x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

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

Power Drift = 0.222 dB

Peak SAR (extrapolated) = 0.338 W/kg

SAR(1 g) = 0.188 mW/g; SAR(10 g) = 0.103 mW/g



0 dB = 0.248mW/g

DIGITAL EMC CO., LTD

DUT: SEC-8089; Type: USB Modem

Communication System: FCC_PCS; Frequency: 1880 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 1880 \text{ MHz}$; $\sigma = 1.56 \text{ mho/m}$; $\epsilon_r = 52.9$; $\rho = 1000 \text{ kg/m}^3$

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: 2009-04-28; Ambient Temp: 23.0; Tissue Temp: 21.5

5mm from Body, Horizontal Down, CDMA_PCS Ch.600, Ant Internal

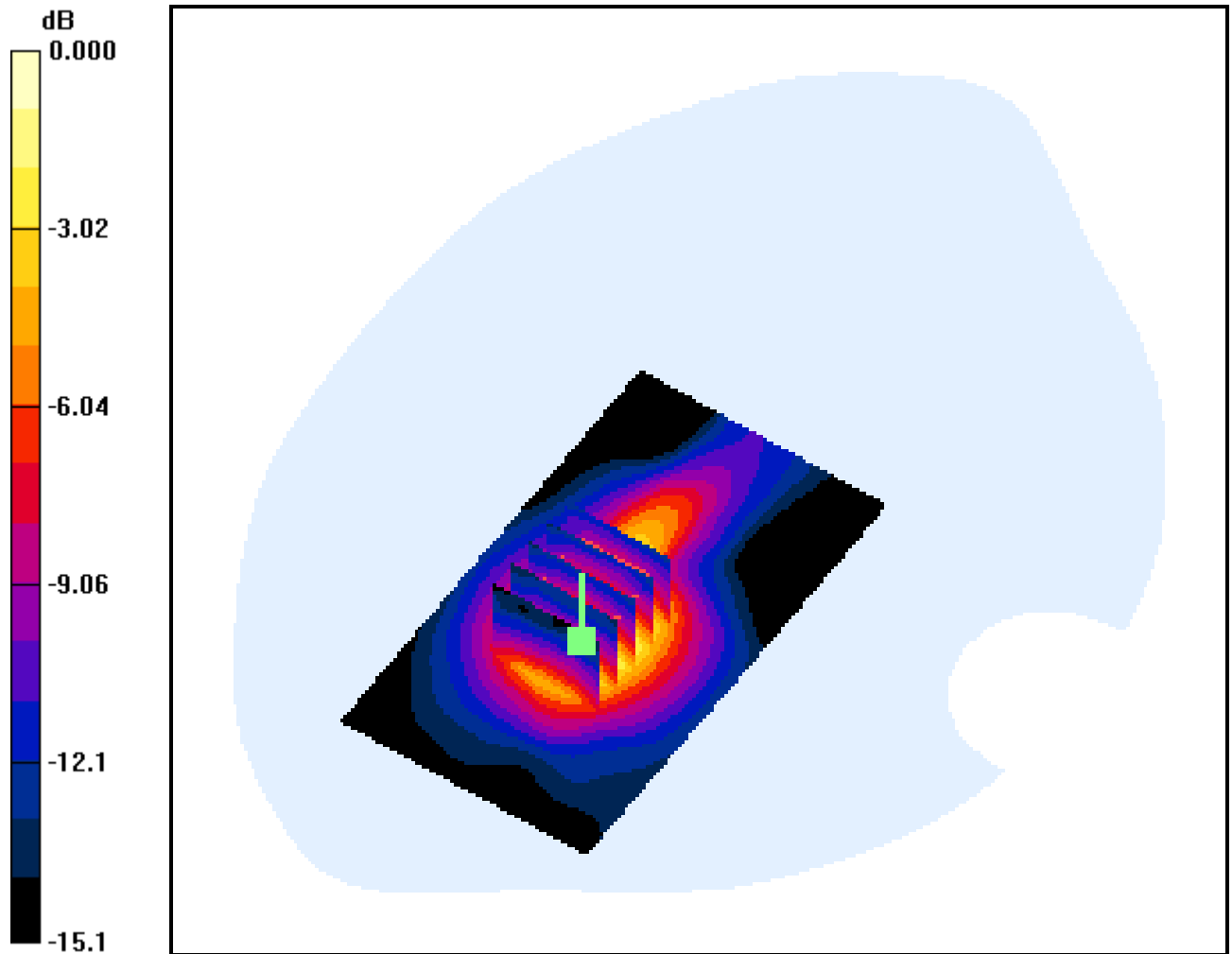
Area Scan (51x91x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

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

Power Drift = -0.148 dB

Peak SAR (extrapolated) = 0.182 W/kg

SAR(1 g) = 0.100 mW/g; SAR(10 g) = 0.055 mW/g



0 dB = 0.130mW/g

DIGITAL EMC CO., LTD

DUT: SEC-8089; Type: USB Modem

Communication System: FCC_PCS; Frequency: 1908.75 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 1908.75 \text{ MHz}$; $\sigma = 1.59 \text{ mho/m}$; $\epsilon_r = 52.8$; $\rho = 1000 \text{ kg/m}^3$
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: 2009-04-28; Ambient Temp: 23.0; Tissue Temp: 21.5

5mm from Body, Horizontal Down, CDMA_PCS Ch.1175, Ant Internal

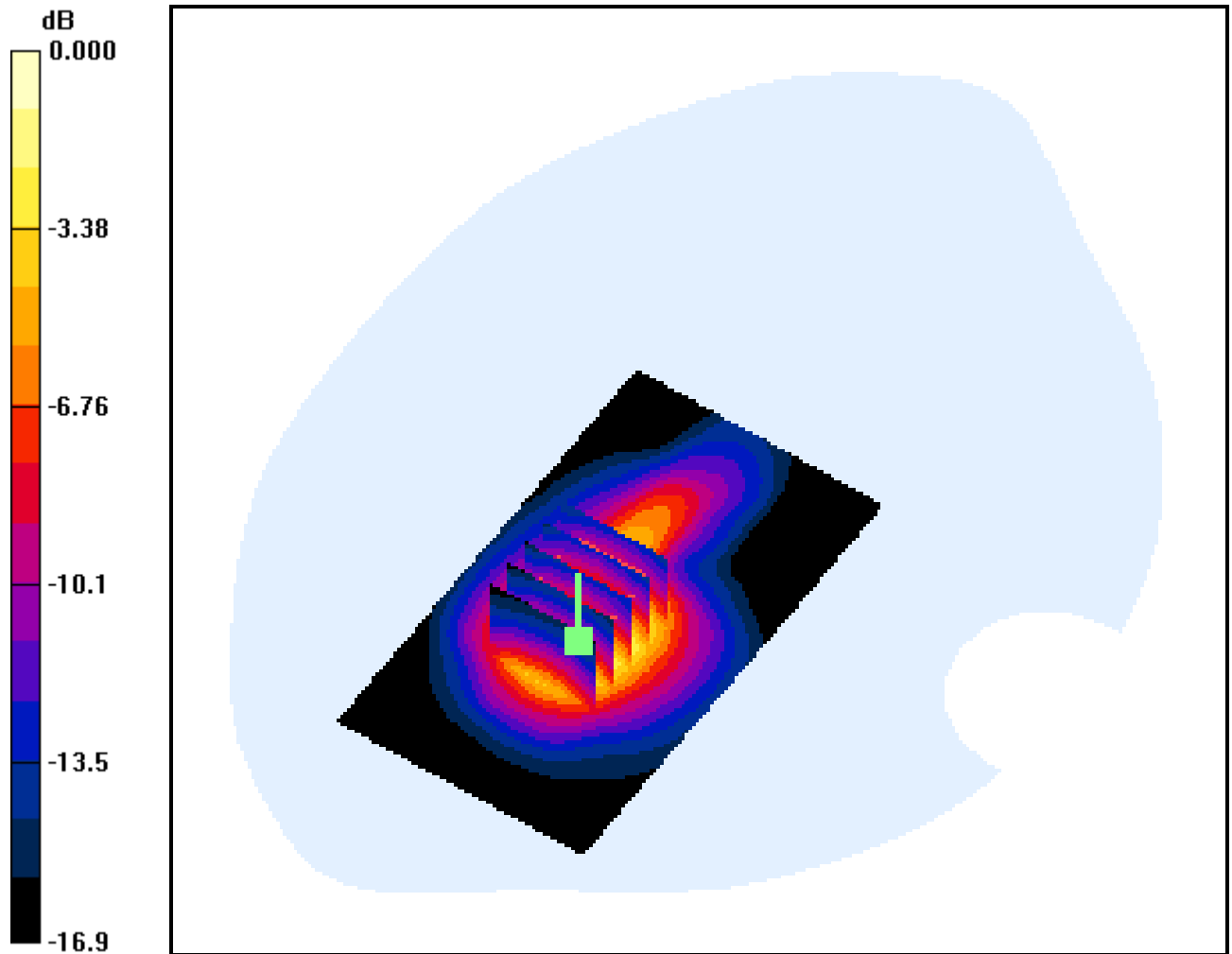
Area Scan (51x91x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

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

Power Drift = -0.137 dB

Peak SAR (extrapolated) = 0.396 W/kg

SAR(1 g) = 0.217 mW/g; SAR(10 g) = 0.117 mW/g



0 dB = 0.285mW/g

DIGITAL EMC CO., LTD

DUT: SEC-8089; Type: USB Modem

Communication System: FCC_PCS; Frequency: 1880 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 1880 \text{ MHz}$; $\sigma = 1.56 \text{ mho/m}$; $\epsilon_r = 52.9$; $\rho = 1000 \text{ kg/m}^3$

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: 2009-04-28; Ambient Temp: 23.0; Tissue Temp: 21.5

5mm from Body, Vertical Front, CDMA_PCS Ch.600, Ant Internal

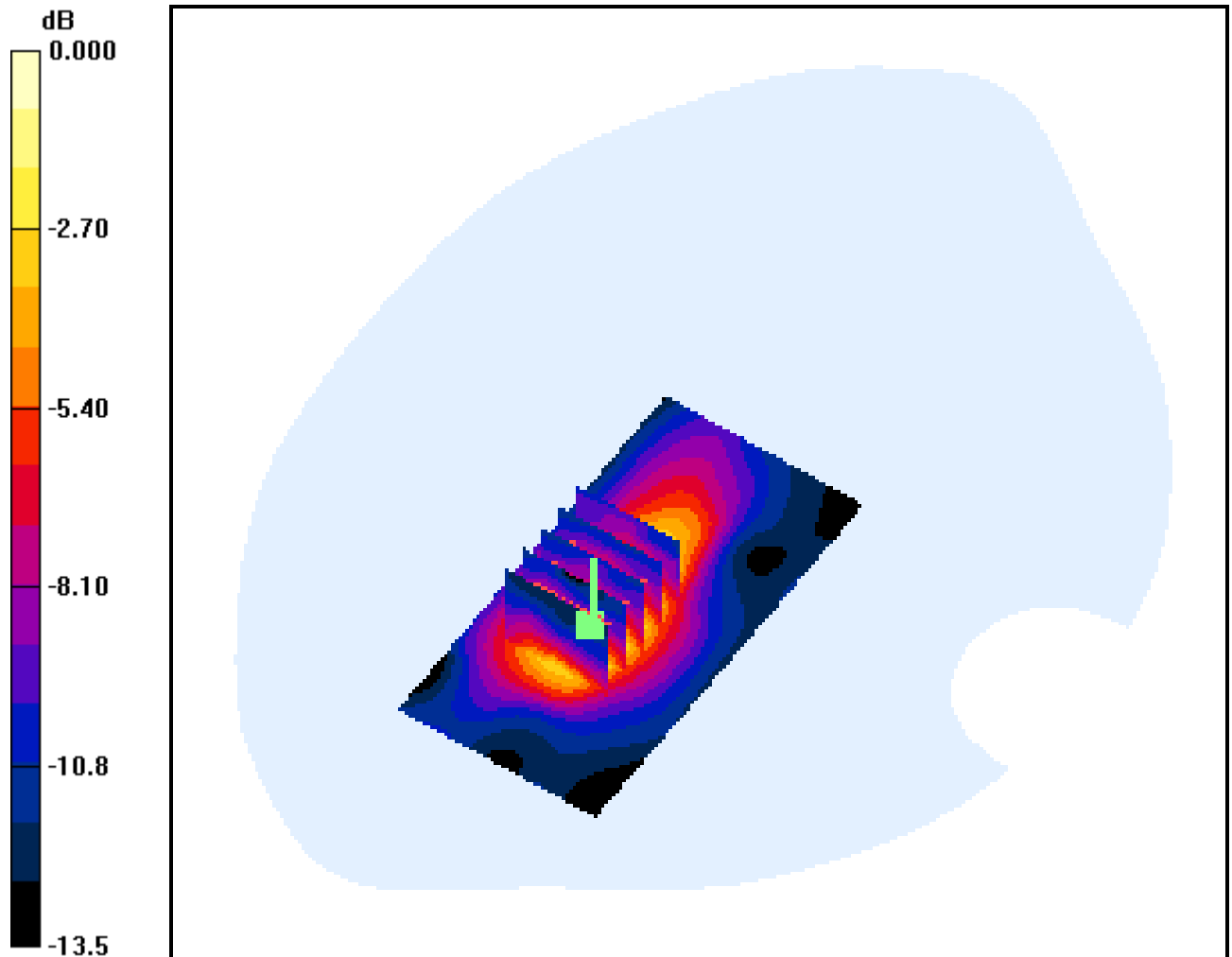
Area Scan (41x81x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

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

Power Drift = 0.315 dB

Peak SAR (extrapolated) = 0.082 W/kg

SAR(1 g) = 0.043 mW/g; SAR(10 g) = 0.024 mW/g



0 dB = 0.058mW/g

DIGITAL EMC CO., LTD

DUT: SEC-8089; Type: USB Modem

Communication System: FCC_PCS; Frequency: 1880 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 1880 \text{ MHz}$; $\sigma = 1.56 \text{ mho/m}$; $\epsilon_r = 52.9$; $\rho = 1000 \text{ kg/m}^3$

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: 2009-04-28; Ambient Temp: 23.0; Tissue Temp: 21.5

5mm from Body, Vertical Back, CDMA_PCS Ch.600, Ant Internal

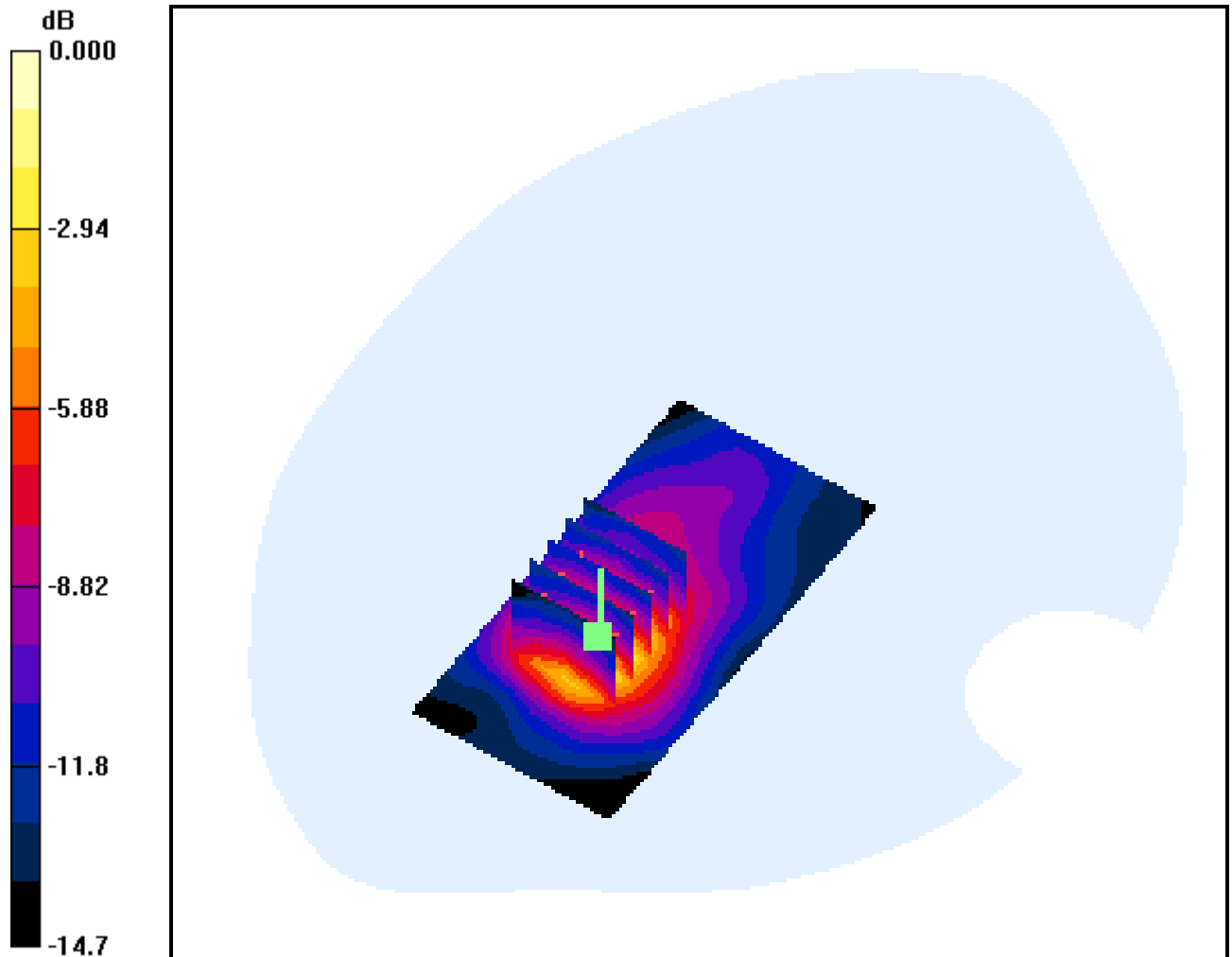
Area Scan (41x81x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

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

Power Drift = -0.205 dB

Peak SAR (extrapolated) = 0.127 W/kg

SAR(1 g) = 0.067 mW/g; SAR(10 g) = 0.035 mW/g



0 dB = 0.089mW/g

DIGITAL EMC CO., LTD

DUT: SEC-8089; Type: USB Modem

Communication System: FCC_PCS; Frequency: 1880 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 1880 \text{ MHz}$; $\sigma = 1.56 \text{ mho/m}$; $\epsilon_r = 52.9$; $\rho = 1000 \text{ kg/m}^3$

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: 2009-04-28; Ambient Temp: 23.0; Tissue Temp: 21.5

5mm from Body, Bottom, CDMA_PCS Ch.600, Ant Internal

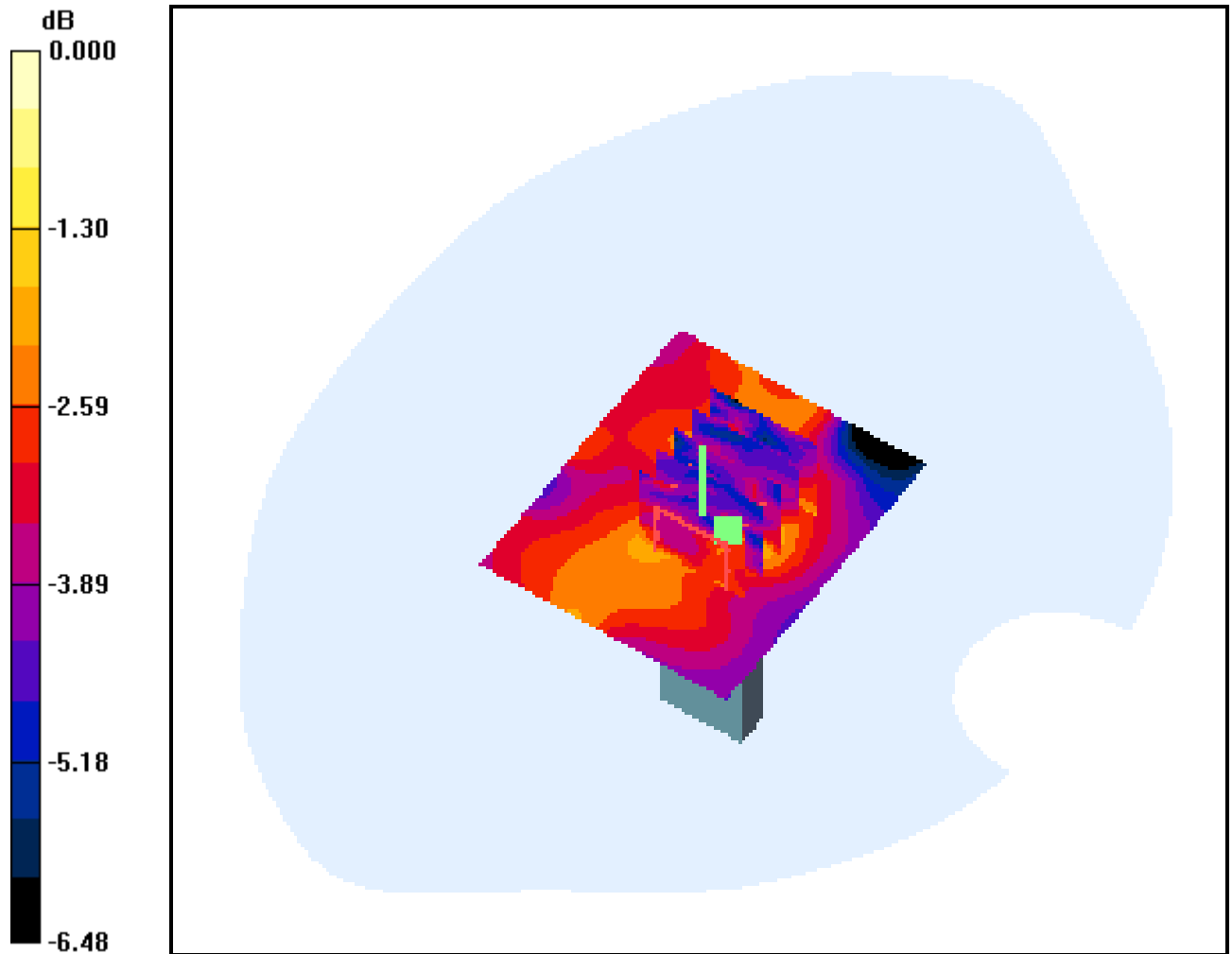
Area Scan (51x61x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

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

Power Drift = -0.143 dB

Peak SAR (extrapolated) = 0.012 W/kg

SAR(1 g) = 0.00666 mW/g; SAR(10 g) = 0.0049 mW/g



0 dB = 0.010mW/g

DIGITAL EMC CO., LTD

DUT: SEC-8089; Type: USB Modem

Communication System: FCC_PCS; Frequency: 1880 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 1880 \text{ MHz}$; $\sigma = 1.56 \text{ mho/m}$; $\epsilon_r = 52.9$; $\rho = 1000 \text{ kg/m}^3$

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: 2009-04-28; Ambient Temp: 23.0; Tissue Temp: 21.5

5mm from Body, Top, CDMA_PCS Ch.600, Ant Internal

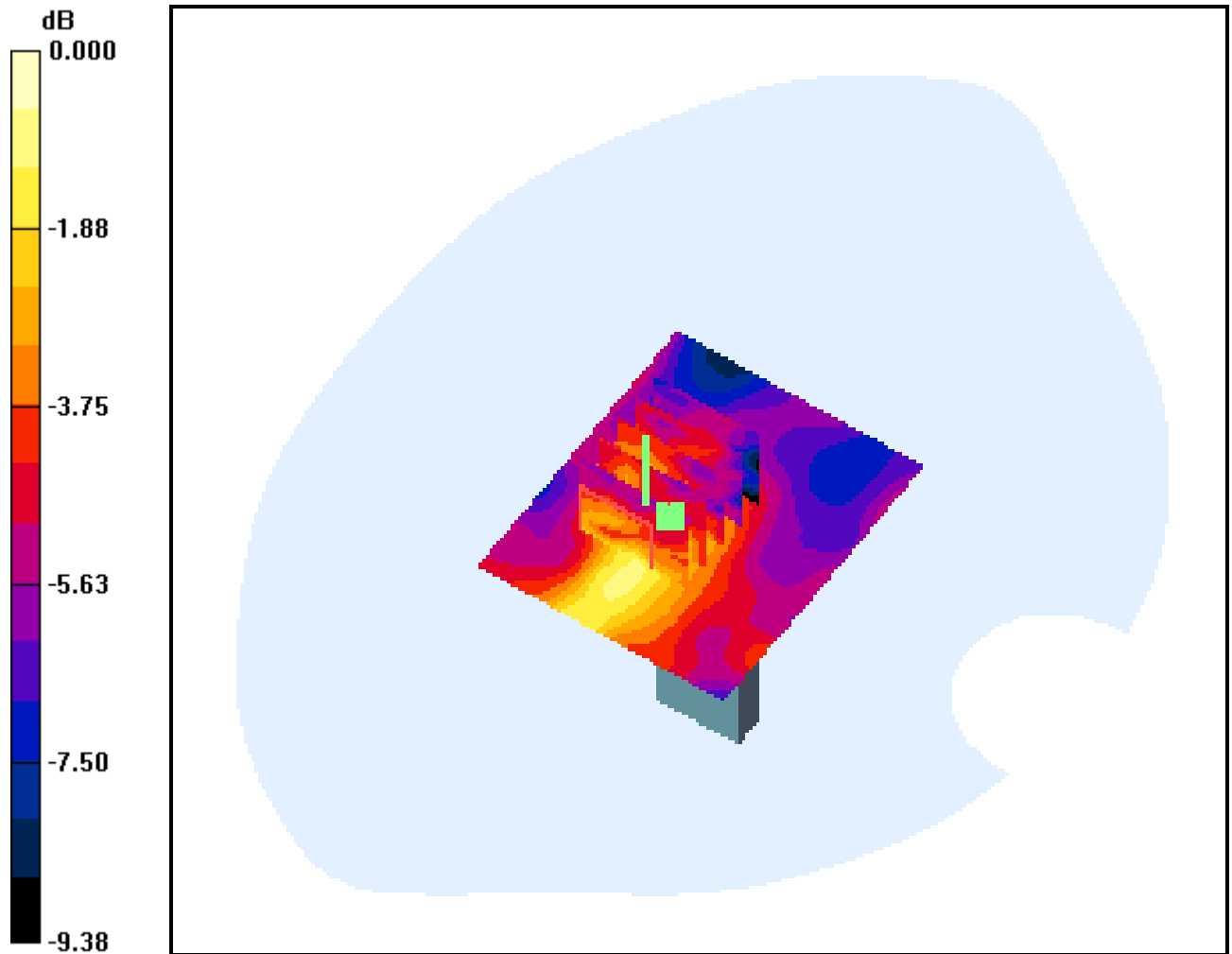
Area Scan (51x61x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

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

Power Drift = 0.291 dB

Peak SAR (extrapolated) = 0.014 W/kg

SAR(1 g) = 0.00876 mW/g; SAR(10 g) = 0.00638 mW/g



0 dB = 0.012mW/g

DIGITAL EMC CO., LTD

DUT: SEC-8089; Type: USB Modem

Communication System: FCC_PCS; Frequency: 1851.25 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 1851.25 \text{ MHz}$; $\sigma = 1.52 \text{ mho/m}$; $\epsilon_r = 53$; $\rho = 1000 \text{ kg/m}^3$
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: 2009-04-28; Ambient Temp: 23.0; Tissue Temp: 21.5

5mm from Body, Horizontal Down, EV_DO_Rev.A_PCS Ch.25, Ant Internal

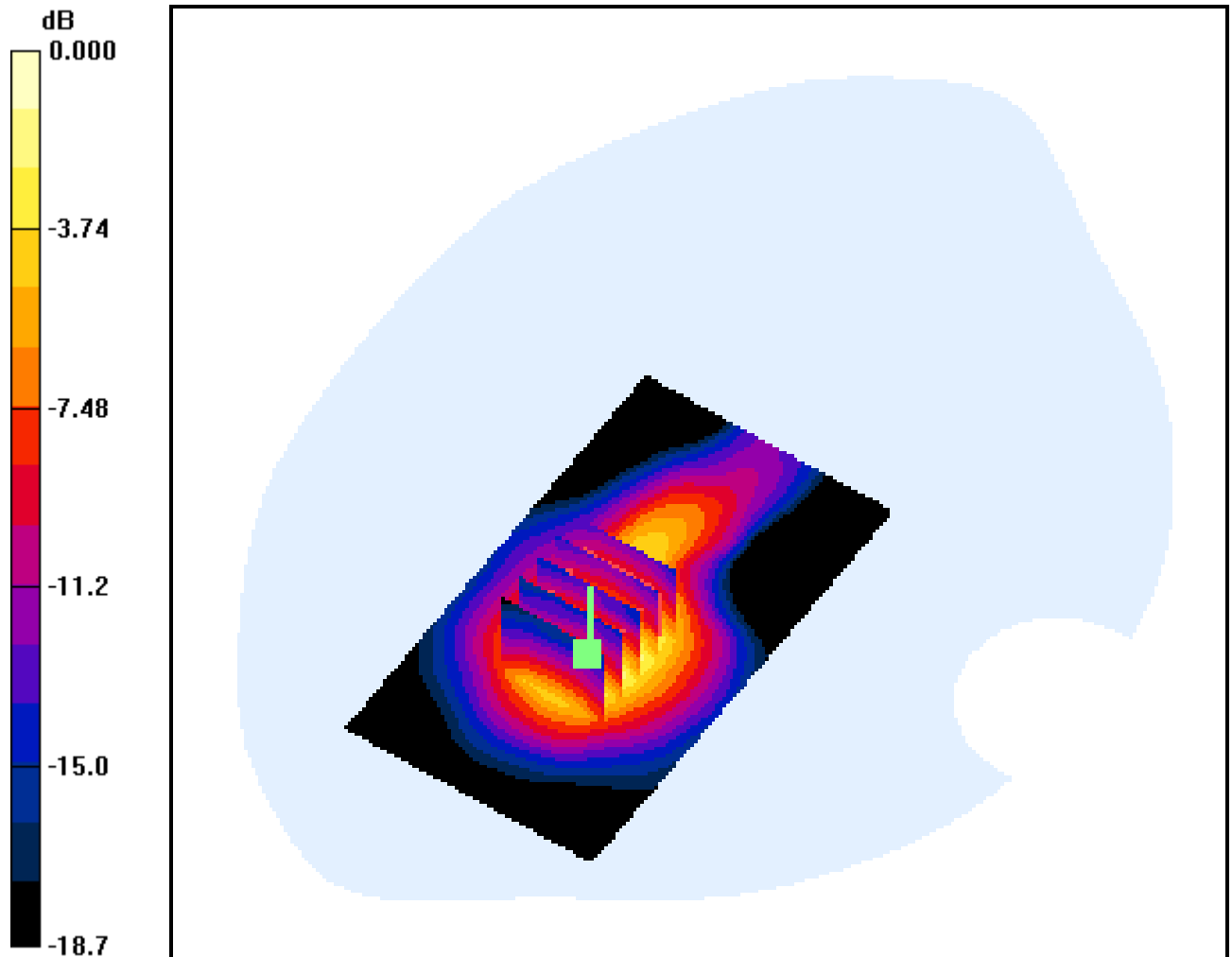
Area Scan (51x91x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

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

Power Drift = 0.257 dB

Peak SAR (extrapolated) = 0.330 W/kg

SAR(1 g) = 0.184 mW/g; SAR(10 g) = 0.101 mW/g



0 dB = 0.239mW/g

DIGITAL EMC CO., LTD

DUT: SEC-8089; Type: USB Modem

Communication System: FCC_PCS; Frequency: 1880 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 1880 \text{ MHz}$; $\sigma = 1.56 \text{ mho/m}$; $\epsilon_r = 52.9$; $\rho = 1000 \text{ kg/m}^3$

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: 2009-04-28; Ambient Temp: 23.0; Tissue Temp: 21.5

5mm from Body, Horizontal Down, EV_DO_Rev.A_PCS Ch.600, Ant Internal

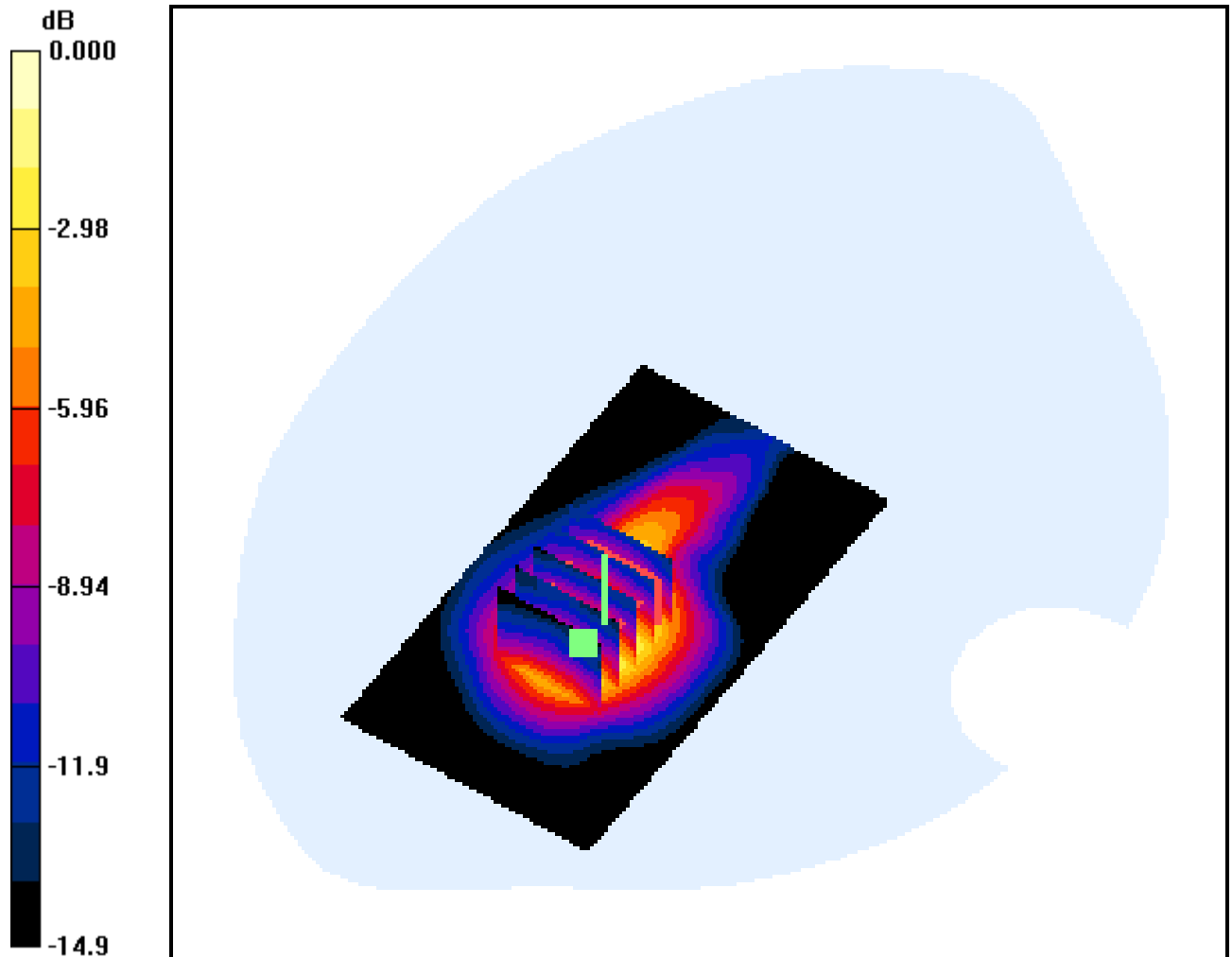
Area Scan (51x91x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

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

Power Drift = -0.046 dB

Peak SAR (extrapolated) = 0.151 W/kg

SAR(1 g) = 0.095 mW/g; SAR(10 g) = 0.054 mW/g



0 dB = 0.126mW/g

DIGITAL EMC CO., LTD

DUT: SEC-8089; Type: USB Modem

Communication System: FCC_PCS; Frequency: 1908.75 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 1908.75 \text{ MHz}$; $\sigma = 1.59 \text{ mho/m}$; $\epsilon_r = 52.8$; $\rho = 1000 \text{ kg/m}^3$
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: 2009-04-28; Ambient Temp: 23.0; Tissue Temp: 21.5

5mm from Body, Horizontal Down, EV_DO_Rev.A_PCS Ch.1175, Ant Internal

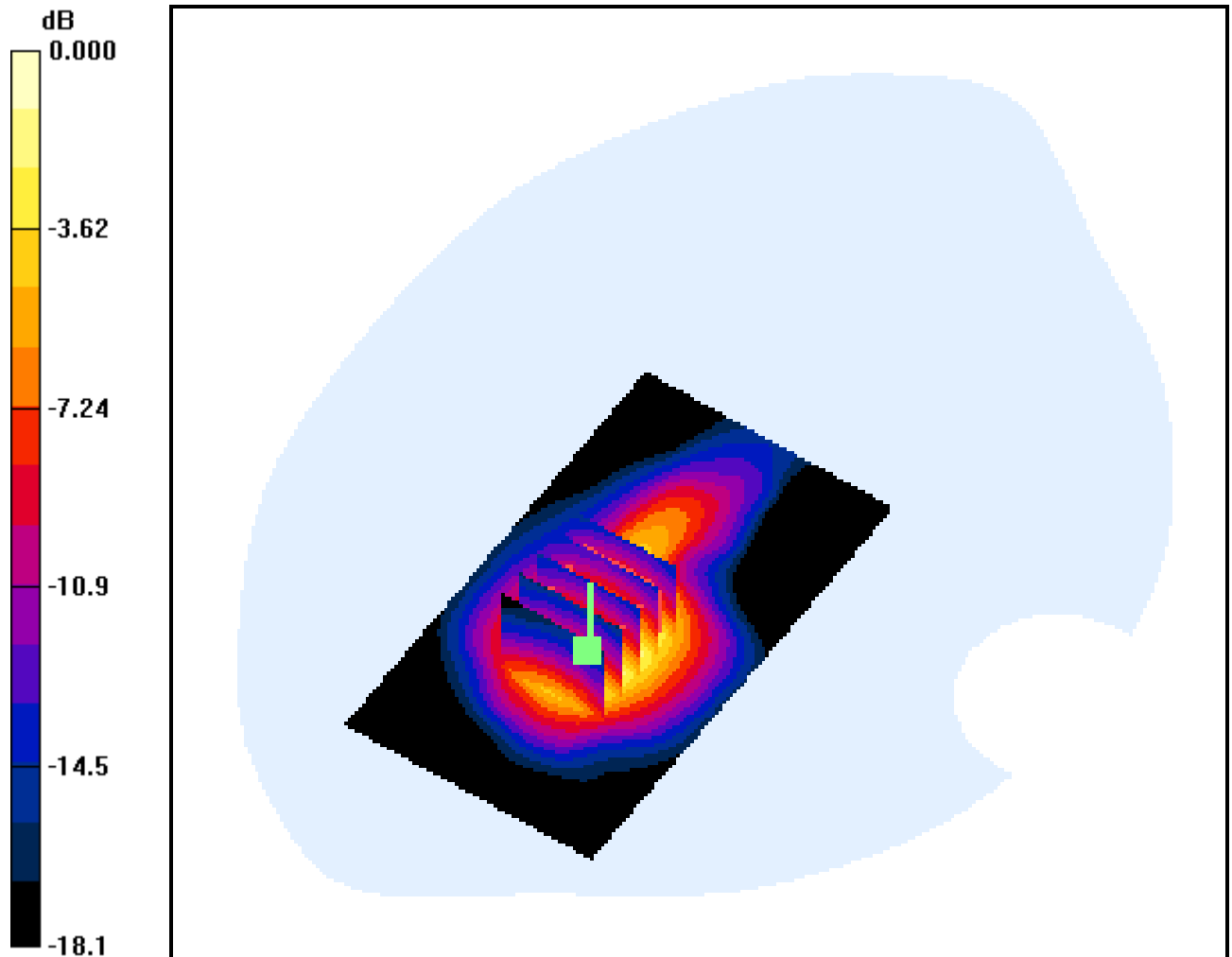
Area Scan (51x91x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

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

Power Drift = -0.251 dB

Peak SAR (extrapolated) = 0.436 W/kg

SAR(1 g) = 0.242 mW/g; SAR(10 g) = 0.129 mW/g



0 dB = 0.310mW/g

DIGITAL EMC CO., LTD

DUT: SEC-8089; Type: USB Modem

Communication System: FCC CDMA; Frequency: 824.7 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 824.7 \text{ MHz}$; $\sigma = 0.986 \text{ mho/m}$; $\epsilon_r = 54.1$; $\rho = 1000 \text{ kg/m}^3$
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: 2009-04-27; Ambient Temp: 23.0; Tissue Temp: 22.4

5mm from Body, Horizontal Down, CDMA_Cellular Ch.1013, Ant Internal

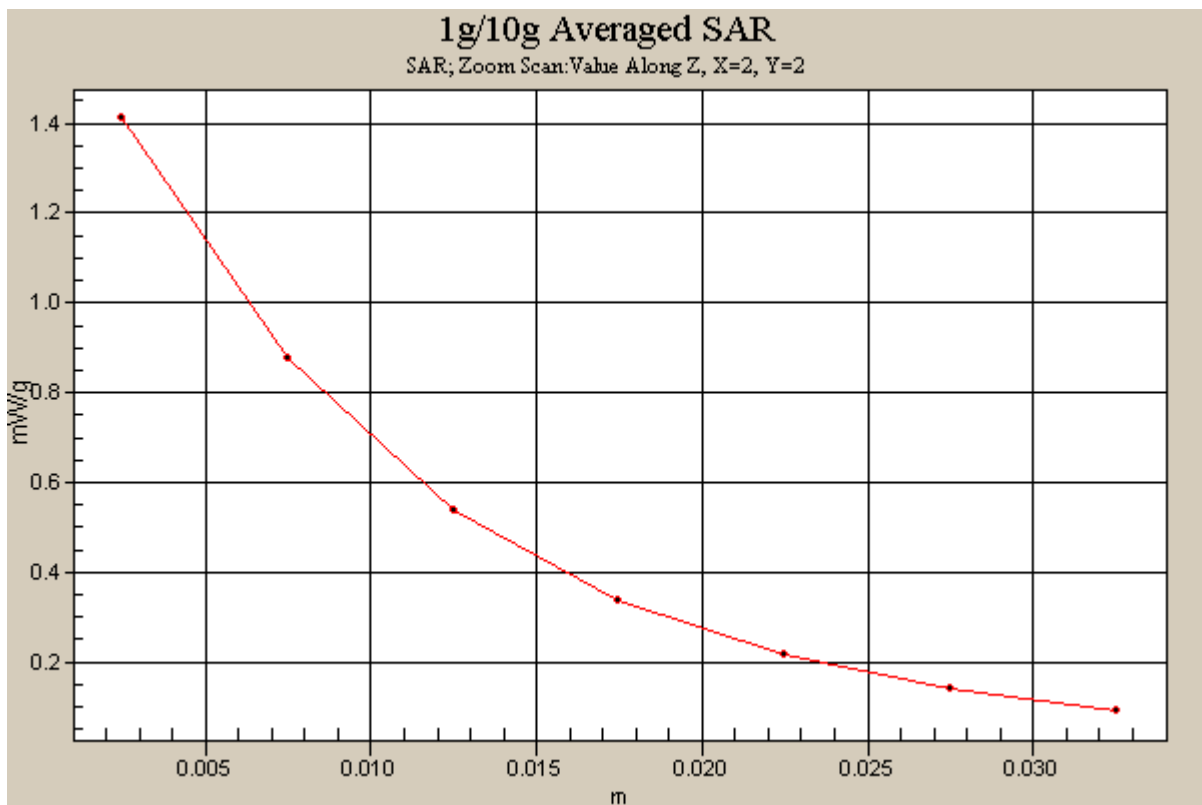
Area Scan (51x91x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

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

Power Drift = 0.138 dB

Peak SAR (extrapolated) = 1.93 W/kg

SAR(1 g) = 1.12 mW/g; SAR(10 g) = 0.685 mW/g



DIGITAL EMC CO., LTD

DUT: SEC-8089; Type: USB Modem

Communication System: FCC_PCS; Frequency: 1908.75 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 1908.75 \text{ MHz}$; $\sigma = 1.59 \text{ mho/m}$; $\epsilon_r = 52.8$; $\rho = 1000 \text{ kg/m}^3$
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: 2009-04-28; Ambient Temp: 23.0; Tissue Temp: 21.5

5mm from Body, Horizontal Down, CDMA_EV_DO Ch.1175, Ant Internal

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 = 0.111 dB

Peak SAR (extrapolated) = 0.469 W/kg

SAR(1 g) = 0.261 mW/g; SAR(10 g) = 0.140 mW/g

