

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: $f = 835 \text{ MHz}$; $\sigma = 0.917 \text{ mho/m}$; $\epsilon_r = 41.3$; $\rho = 1000 \text{ kg/m}^3$

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: 2009-04-08; Ambient Temp: 22.0; Tissue Temp: 21.1

Dipole Validation

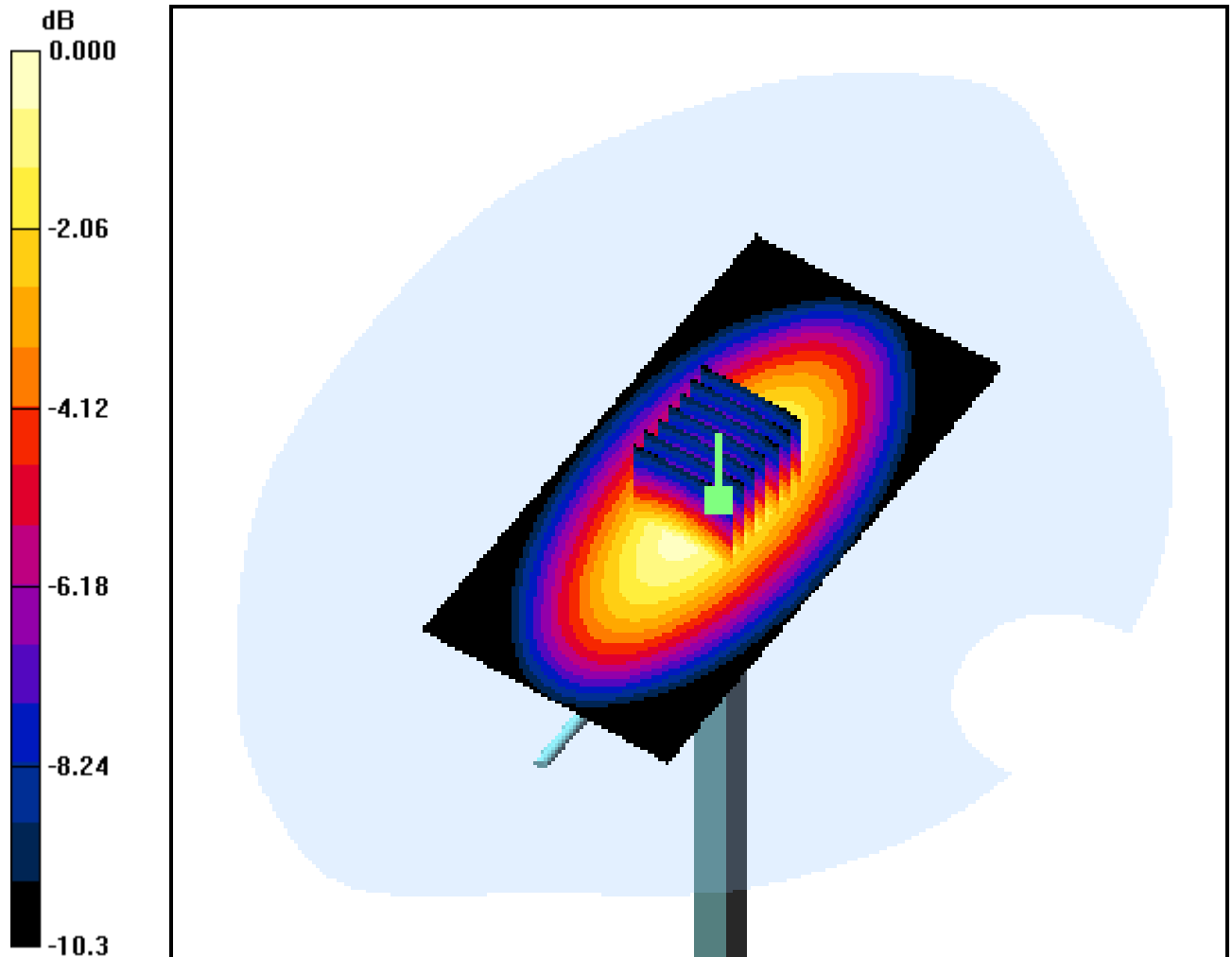
Area Scan (51x101x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

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

Power Drift = -0.062 dB

Peak SAR (extrapolated) = 3.65 W/kg

SAR(1 g) = 2.42 mW/g; SAR(10 g) = 1.59 mW/g



0 dB = 2.61mW/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: $f = 1900 \text{ MHz}$; $\sigma = 1.45 \text{ mho/m}$; $\epsilon_r = 39$; $\rho = 1000 \text{ kg/m}^3$

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: 2009-03-30; Ambient Temp: 22.0; Tissue Temp: 21.4

Dipole Validation

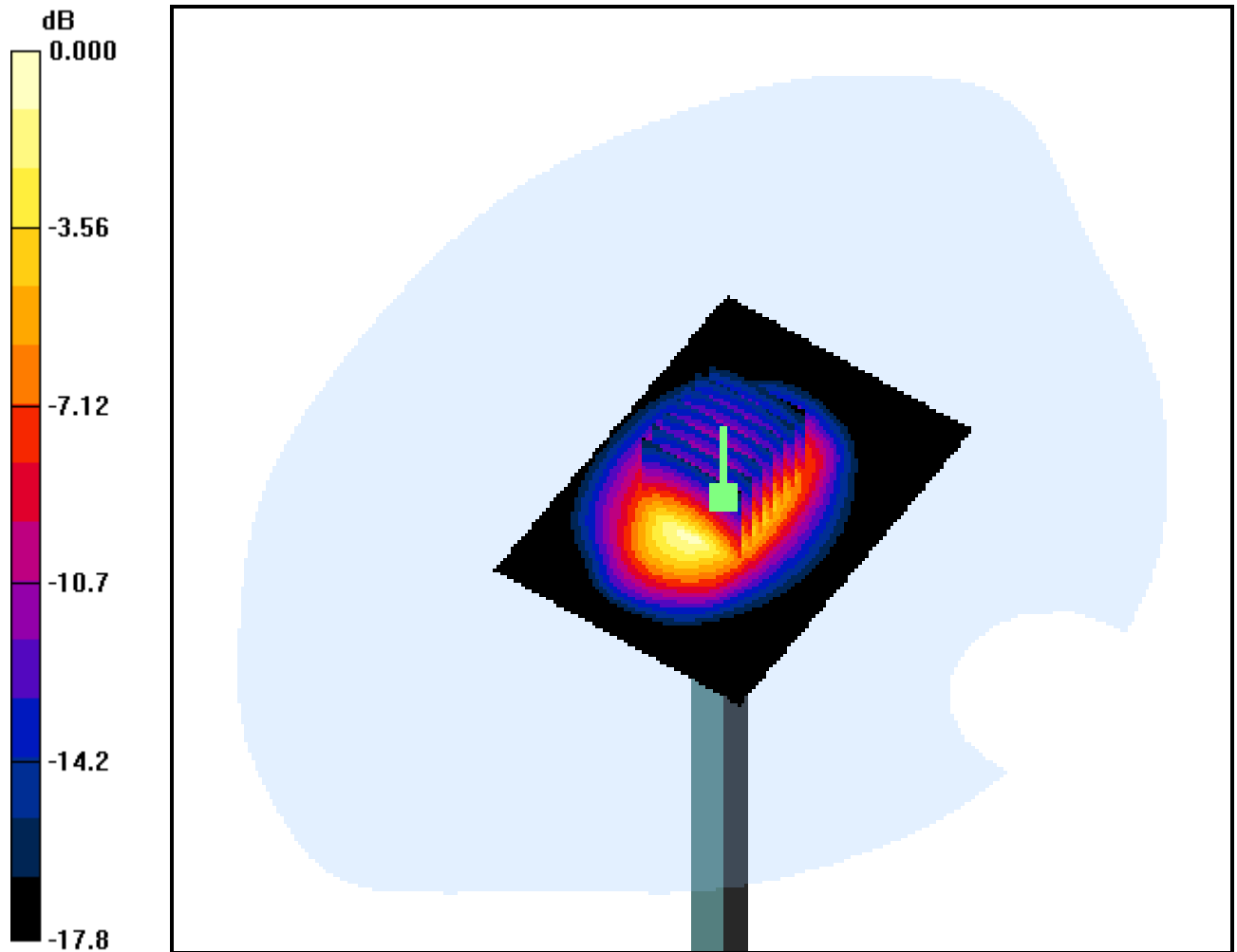
Area Scan (51x71x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

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

Power Drift = -0.008 dB

Peak SAR (extrapolated) = 19.2 W/kg

SAR(1 g) = 10.1 mW/g; SAR(10 g) = 5.22 mW/g



0 dB = 11.4mW/g

DIGITAL EMC CO., LTD

DUT: SUC-2000; Type: USB Modem

Communication System: GSM 850; Frequency: 836.6 MHz; Duty Cycle: 1:2.075

Medium parameters used: $f = 836.6 \text{ MHz}$; $\sigma = 1.01 \text{ mho/m}$; $\epsilon_r = 53.7$; $\rho = 1000 \text{ kg/m}^3$

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: 2009-04-08; Ambient Temp: 22.0; Tissue Temp: 21.1

5mm from Body, Horizontal Up, GSM850 Ch.190, GPRS Class 12 Mode

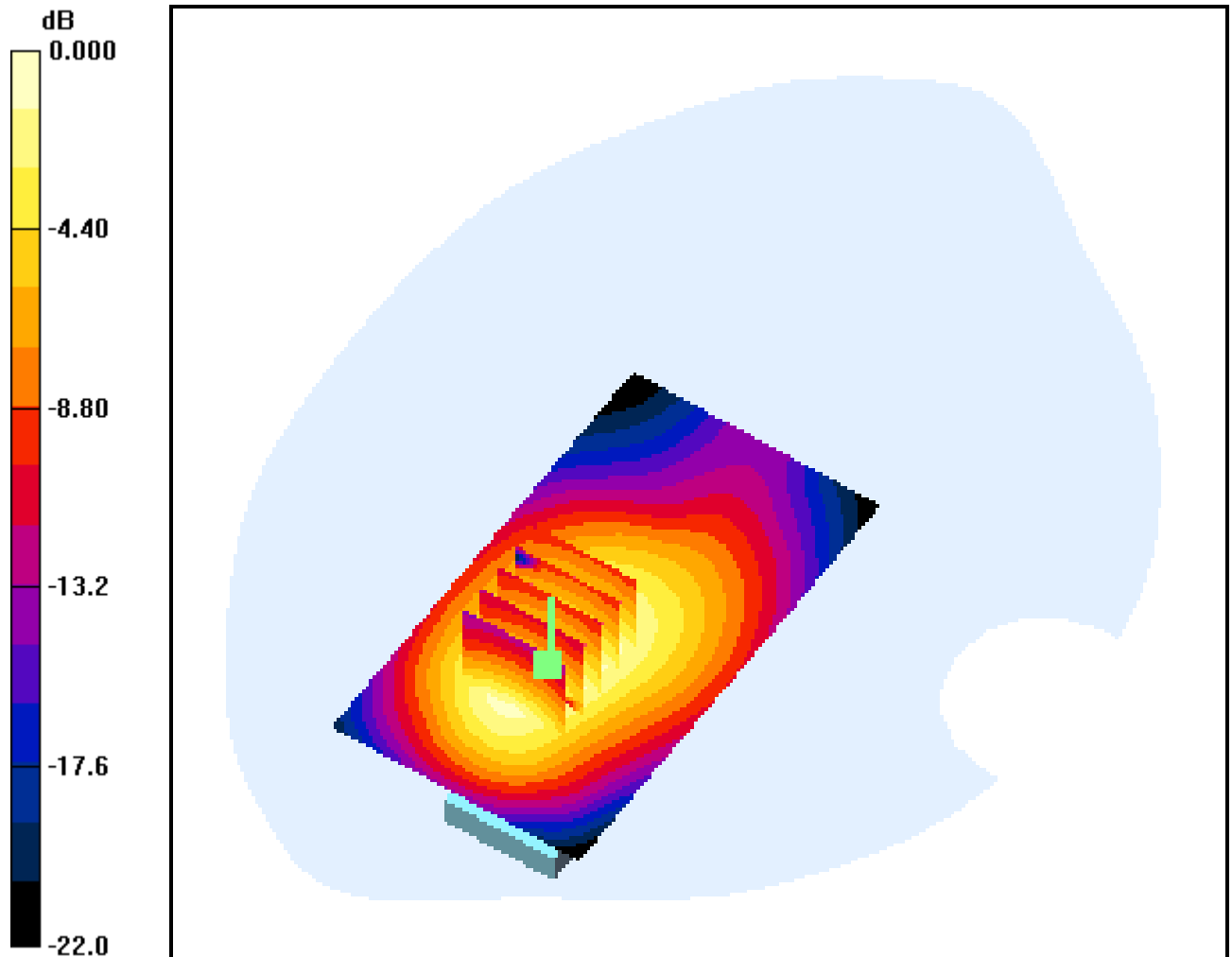
Area Scan (51x91x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

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

Power Drift = -0.317 dB

Peak SAR (extrapolated) = 0.947 W/kg

SAR(1 g) = 0.656 mW/g; SAR(10 g) = 0.414 mW/g



0 dB = 0.727mW/g

DIGITAL EMC CO., LTD

DUT: SUC-2000; Type: USB Modem

Communication System: GSM 850; Frequency: 824.2 MHz; Duty Cycle: 1:2.075

Medium parameters used: $f = 824.2 \text{ MHz}$; $\sigma = 0.995 \text{ mho/m}$; $\epsilon_r = 53.8$; $\rho = 1000 \text{ kg/m}^3$

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: 2009-04-08; Ambient Temp: 22.0; Tissue Temp: 21.1

5mm from Body, Horizontal Down, GSM850 Ch.128, GPRS Class 12 Mode

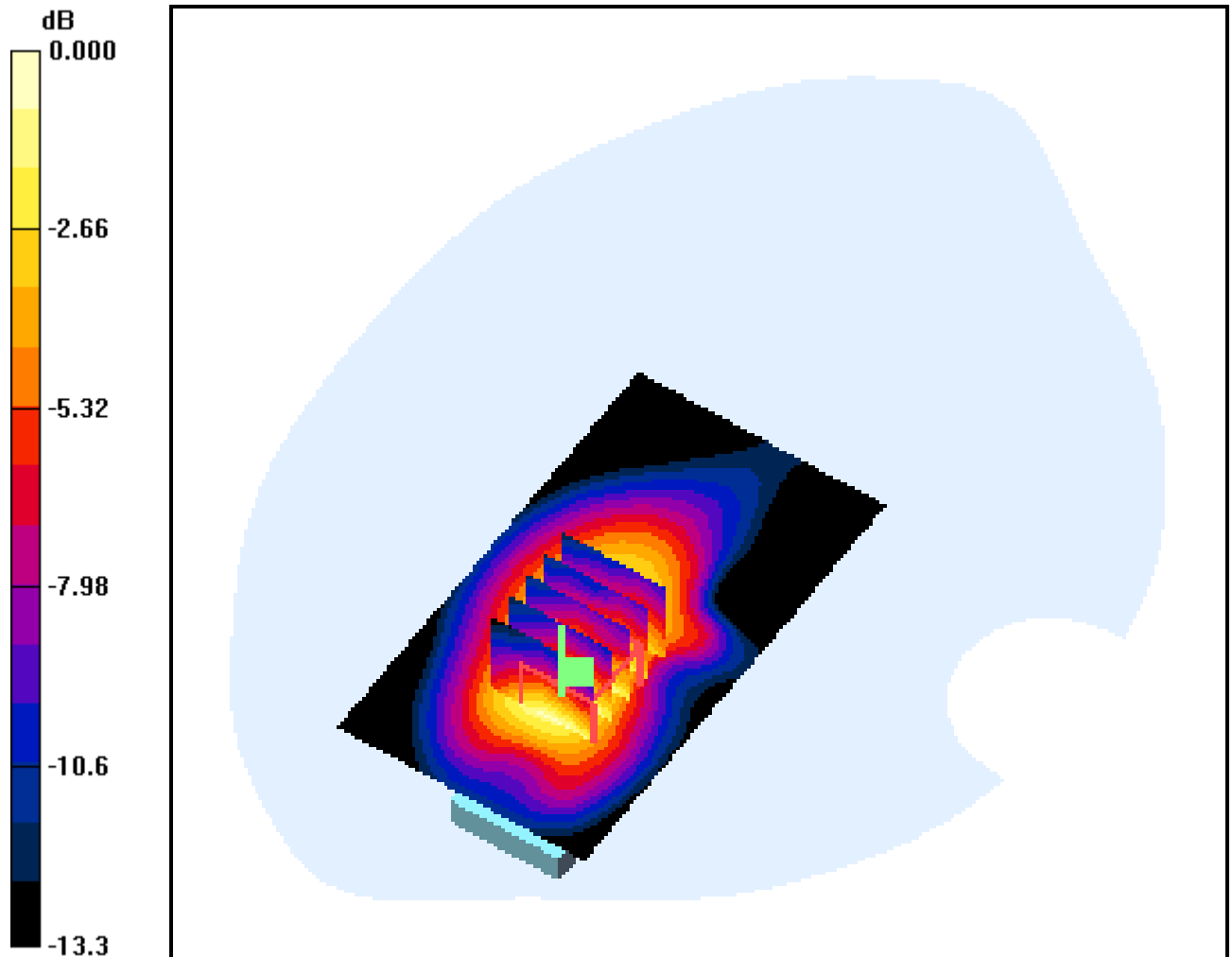
Area Scan (51x91x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

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

Power Drift = 0.064 dB

Peak SAR (extrapolated) = 1.02 W/kg

SAR(1 g) = 0.641 mW/g; SAR(10 g) = 0.391 mW/g



0 dB = 0.674mW/g

DIGITAL EMC CO., LTD

DUT: SUC-2000; Type: USB Modem

Communication System: GSM 850; Frequency: 836.6 MHz; Duty Cycle: 1:2.075

Medium parameters used: $f = 836.6 \text{ MHz}$; $\sigma = 1.01 \text{ mho/m}$; $\epsilon_r = 53.7$; $\rho = 1000 \text{ kg/m}^3$

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: 2009-04-08; Ambient Temp: 22.0; Tissue Temp: 21.1

5mm from Body, Horizontal Down, GSM850 Ch.190, GPRS Class 12 Mode

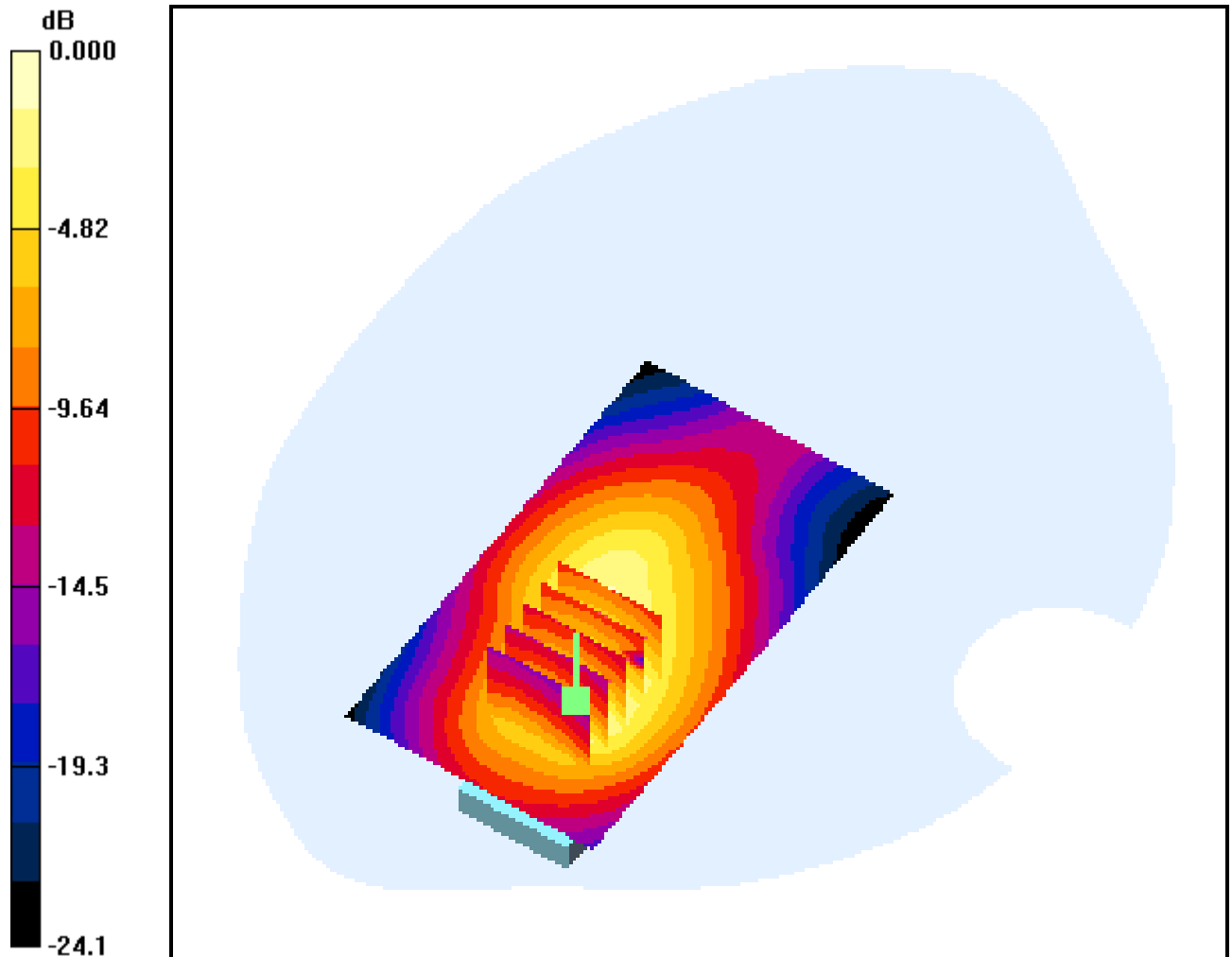
Area Scan (51x91x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

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

Power Drift = -0.035 dB

Peak SAR (extrapolated) = 1.57 W/kg

SAR(1 g) = 0.837 mW/g; SAR(10 g) = 0.502 mW/g



0 dB = 0.925mW/g

DIGITAL EMC CO., LTD

DUT: SUC-2000; Type: USB Modem

Communication System: GSM 850; Frequency: 848.8 MHz; Duty Cycle: 1:2.075

Medium parameters used: $f = 848.8 \text{ MHz}$; $\sigma = 1.02 \text{ mho/m}$; $\epsilon_r = 53.5$; $\rho = 1000 \text{ kg/m}^3$

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: 2009-04-08; Ambient Temp: 22.0; Tissue Temp: 21.1

5mm from Body, Horizontal Down, GSM850 Ch.251, GPRS Class 12 Mode

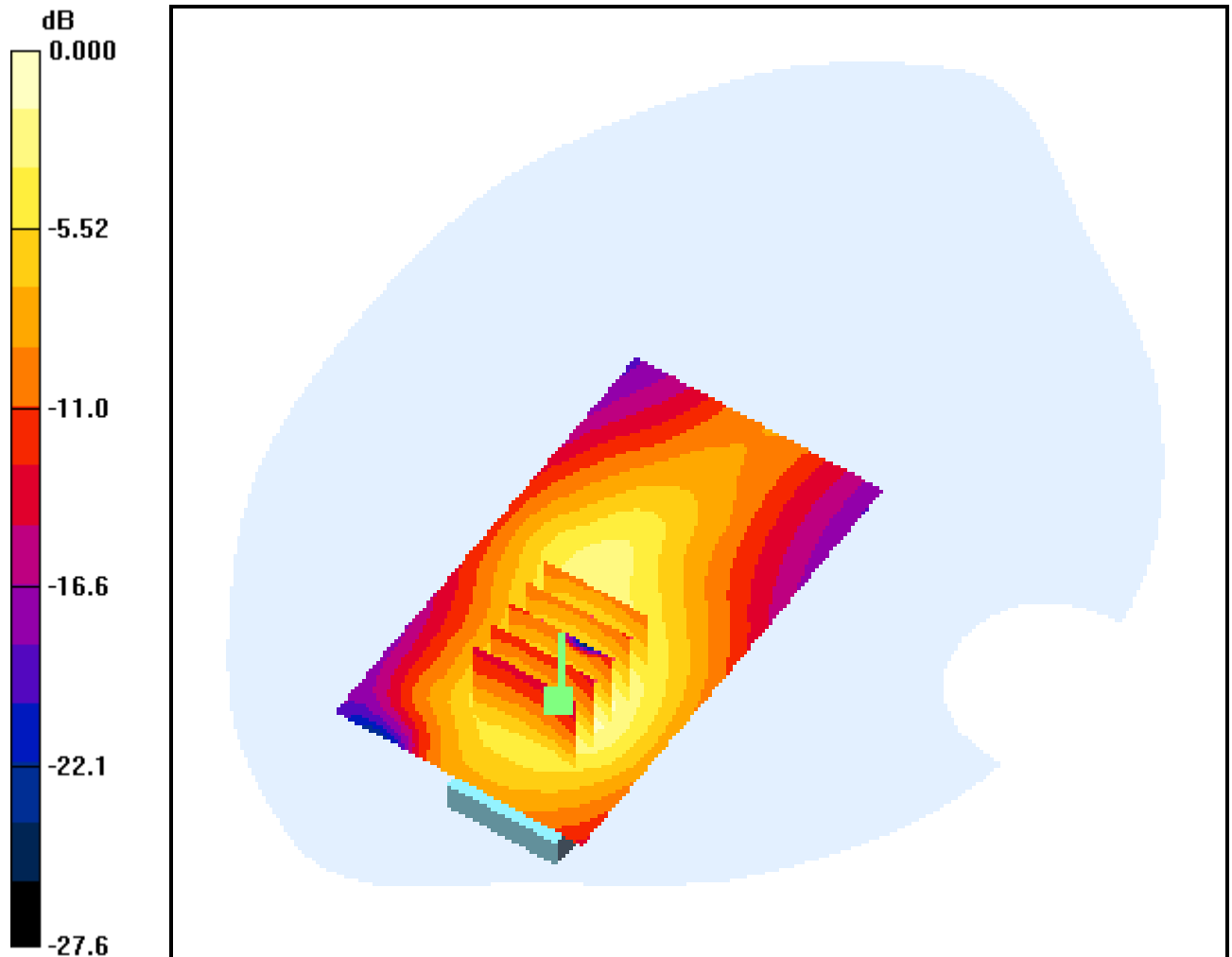
Area Scan (51x91x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

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

Power Drift = -0.068 dB

Peak SAR (extrapolated) = 0.792 W/kg

SAR(1 g) = 0.489 mW/g; SAR(10 g) = 0.300 mW/g



0 dB = 0.520mW/g

DIGITAL EMC CO., LTD

DUT: SUC-2000; Type: USB Modem

Communication System: GSM 850; Frequency: 836.6 MHz; Duty Cycle: 1:2.075

Medium parameters used: $f = 836.6 \text{ MHz}$; $\sigma = 1.01 \text{ mho/m}$; $\epsilon_r = 53.7$; $\rho = 1000 \text{ kg/m}^3$

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: 2009-04-08; Ambient Temp: 22.0; Tissue Temp: 21.1

5mm from Body, Vertical Front, GSM850 Ch.190, GPRS Class 12 Mode

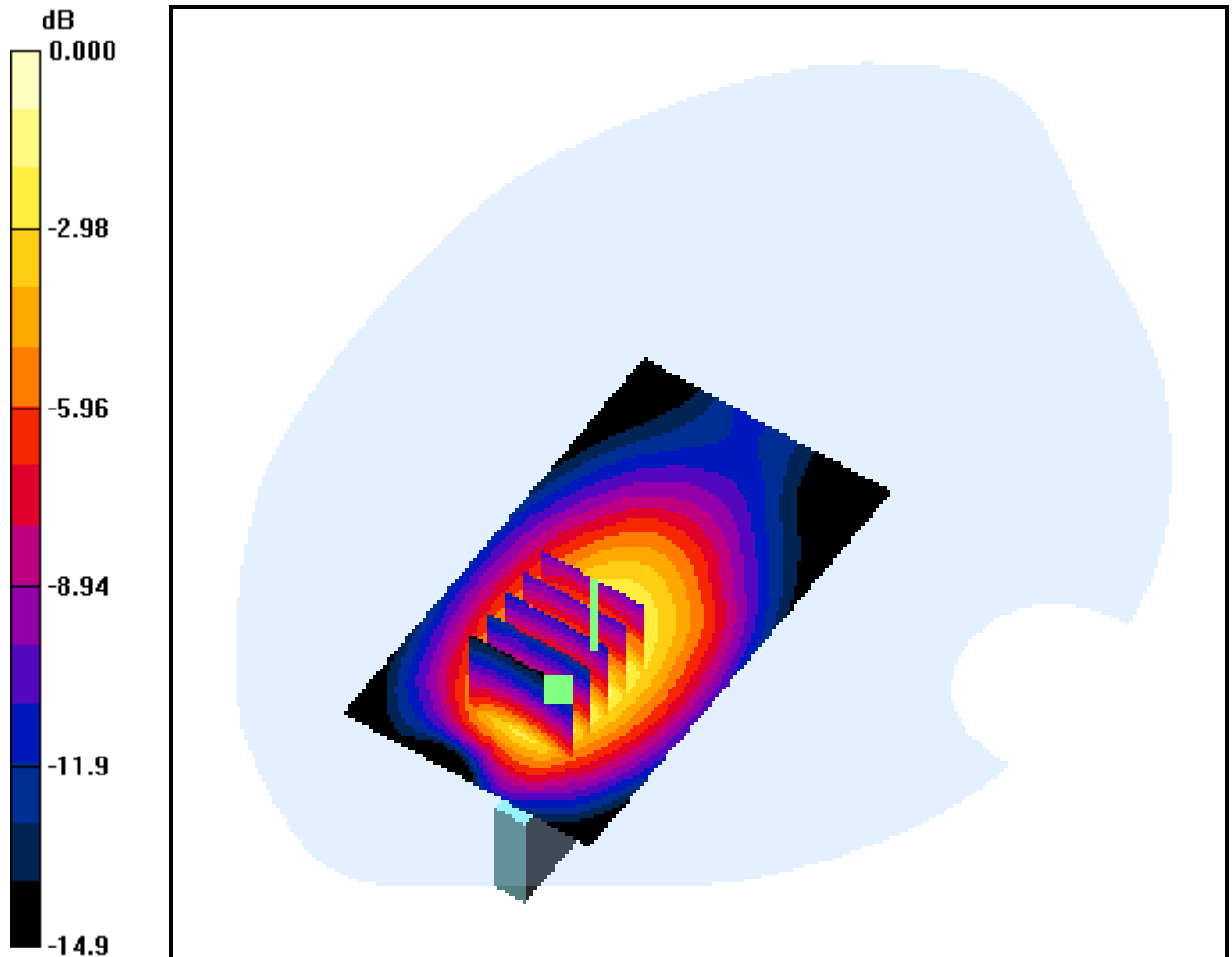
Area Scan (51x91x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

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

Power Drift = -0.136 dB

Peak SAR (extrapolated) = 0.693 W/kg

SAR(1 g) = 0.404 mW/g; SAR(10 g) = 0.250 mW/g



0 dB = 0.444mW/g

DIGITAL EMC CO., LTD

DUT: SUC-2000; Type: USB Modem

Communication System: GSM 850; Frequency: 836.6 MHz; Duty Cycle: 1:2.075

Medium parameters used: $f = 836.6 \text{ MHz}$; $\sigma = 1.01 \text{ mho/m}$; $\epsilon_r = 53.7$; $\rho = 1000 \text{ kg/m}^3$

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: 2009-04-08; Ambient Temp: 22.0; Tissue Temp: 21.1

5mm from Body, Vertical Back, GSM850 Ch.190, GPRS Class 12 Mode

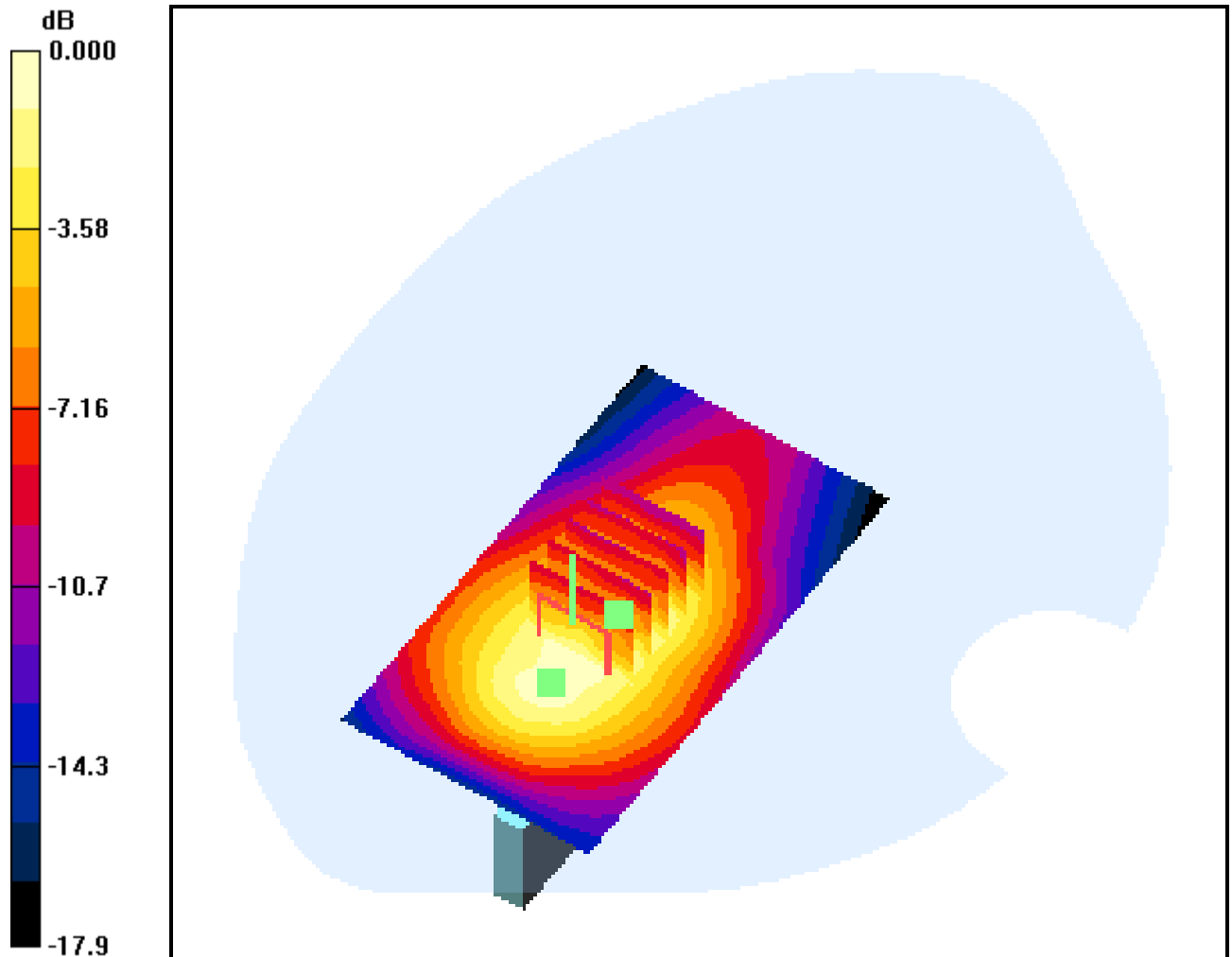
Area Scan (51x91x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

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

Power Drift = 0.219 dB

Peak SAR (extrapolated) = 0.474 W/kg

SAR(1 g) = 0.308 mW/g; SAR(10 g) = 0.201 mW/g



0 dB = 0.342mW/g

DIGITAL EMC CO., LTD

DUT: SUC-2000; Type: USB Modem

Communication System: GSM 850; Frequency: 836.6 MHz; Duty Cycle: 1:2.075

Medium parameters used: $f = 836.6 \text{ MHz}$; $\sigma = 1.01 \text{ mho/m}$; $\epsilon_r = 53.7$; $\rho = 1000 \text{ kg/m}^3$

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: 2009-04-08; Ambient Temp: 22.0; Tissue Temp: 21.1

5mm from Body, Vertical Back, GSM850 Ch.190, GPRS Class 12 Mode

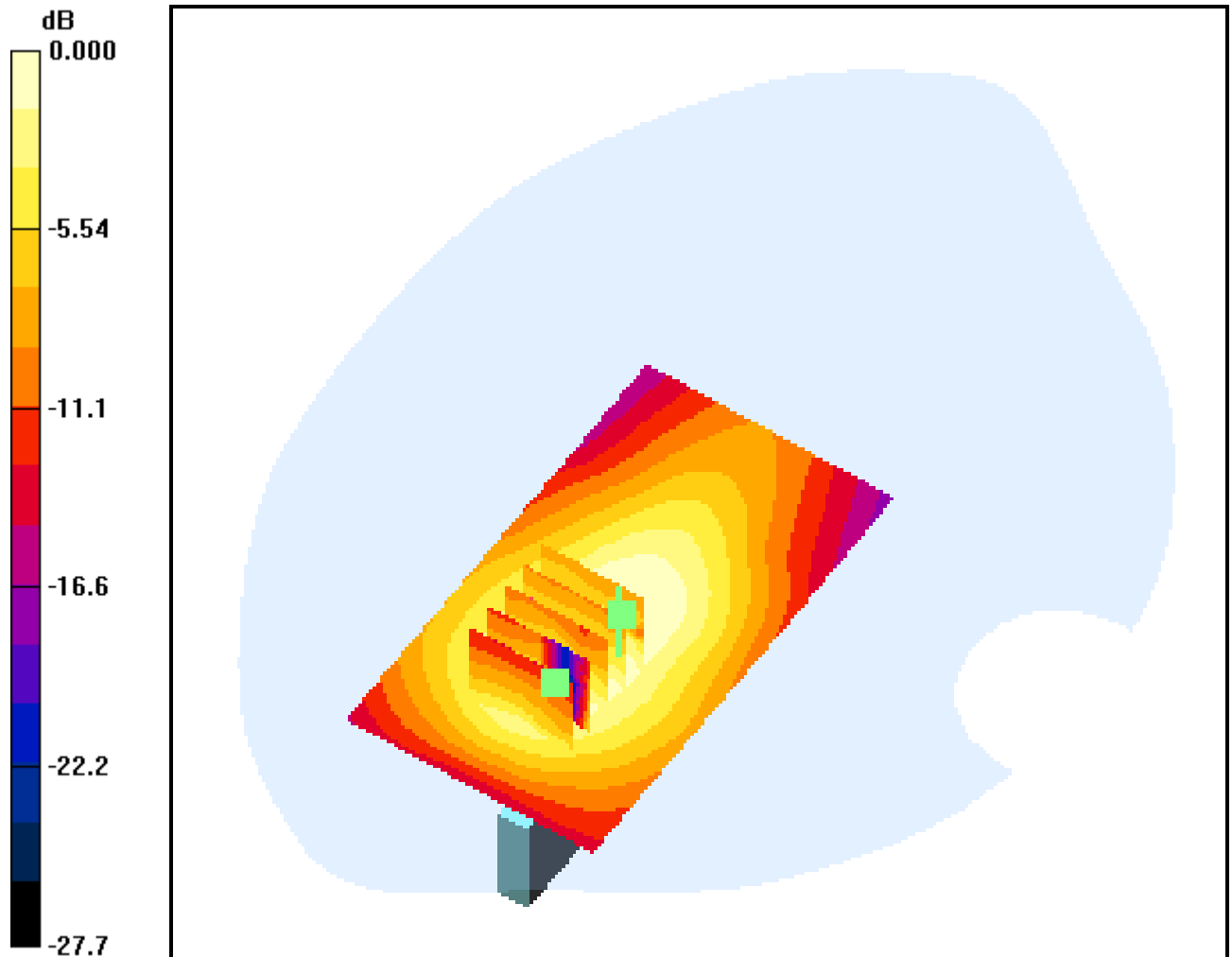
Area Scan (51x91x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

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

Power Drift = 0.219 dB

Peak SAR (extrapolated) = 0.487 W/kg

SAR(1 g) = 0.290 mW/g; SAR(10 g) = 0.174 mW/g



0 dB = 0.307mW/g

DIGITAL EMC CO., LTD

DUT: SUC-2000; Type: USB Modem

Communication System: GSM 850; Frequency: 836.6 MHz; Duty Cycle: 1:2.075

Medium parameters used: $f = 836.6 \text{ MHz}$; $\sigma = 1.01 \text{ mho/m}$; $\epsilon_r = 53.7$; $\rho = 1000 \text{ kg/m}^3$

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: 2009-04-08; Ambient Temp: 22.0; Tissue Temp: 21.1

5mm from Body, Bottom, GSM850 Ch.190, GPRS Class 12 Mode

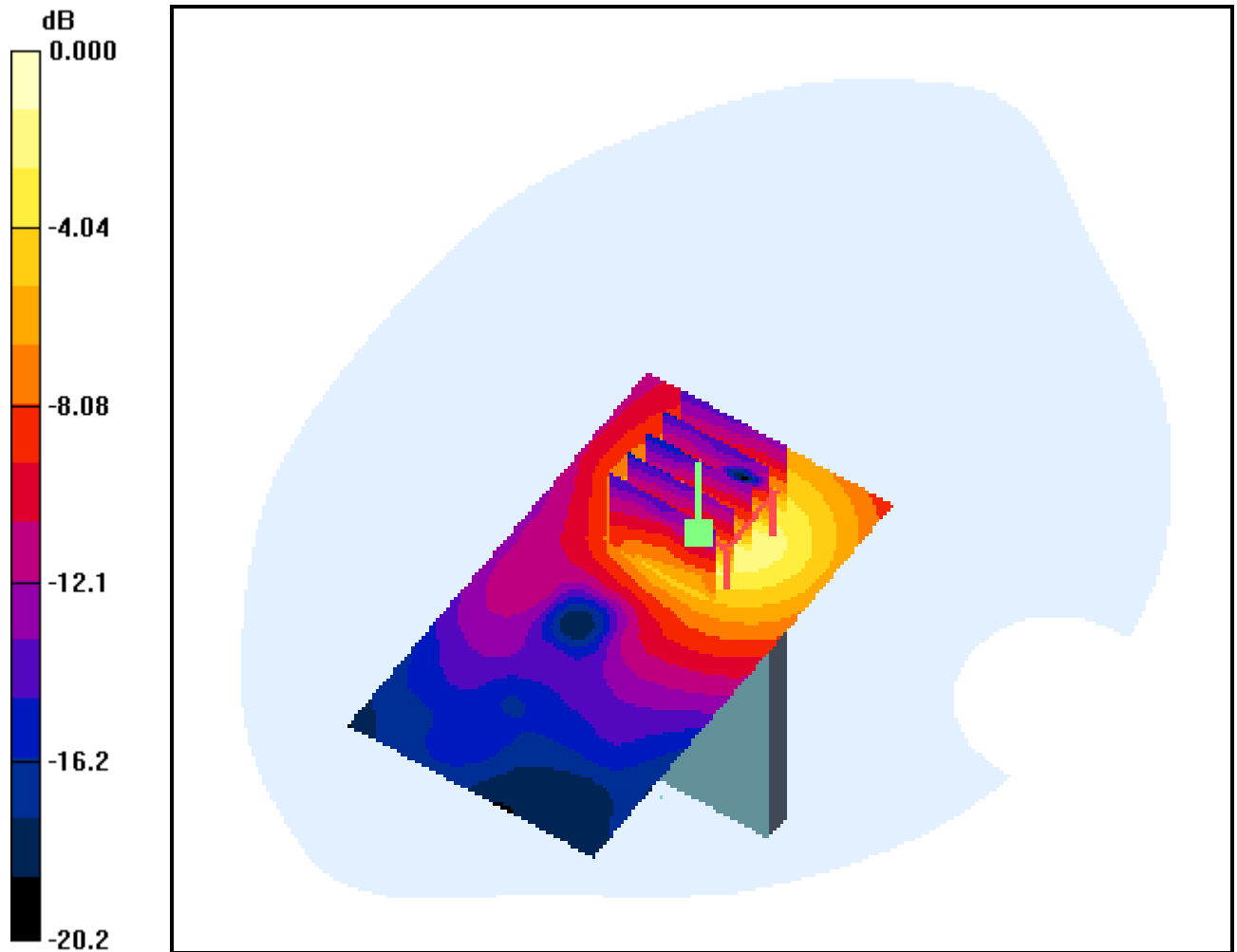
Area Scan (51x91x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

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

Power Drift = -0.293 dB

Peak SAR (extrapolated) = 0.316 W/kg

SAR(1 g) = 0.135 mW/g; SAR(10 g) = 0.068 mW/g



0 dB = 0.170mW/g

DIGITAL EMC CO., LTD

DUT: SUC-2000; Type: USB Modem

Communication System: GSM 850; Frequency: 836.6 MHz; Duty Cycle: 1:2.075

Medium parameters used: $f = 836.6 \text{ MHz}$; $\sigma = 1.01 \text{ mho/m}$; $\epsilon_r = 53.7$; $\rho = 1000 \text{ kg/m}^3$

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: 2009-04-08; Ambient Temp: 22.0; Tissue Temp: 21.1

5mm from Body, Top, GSM850 Ch.190, GPRS Class 12 Mode

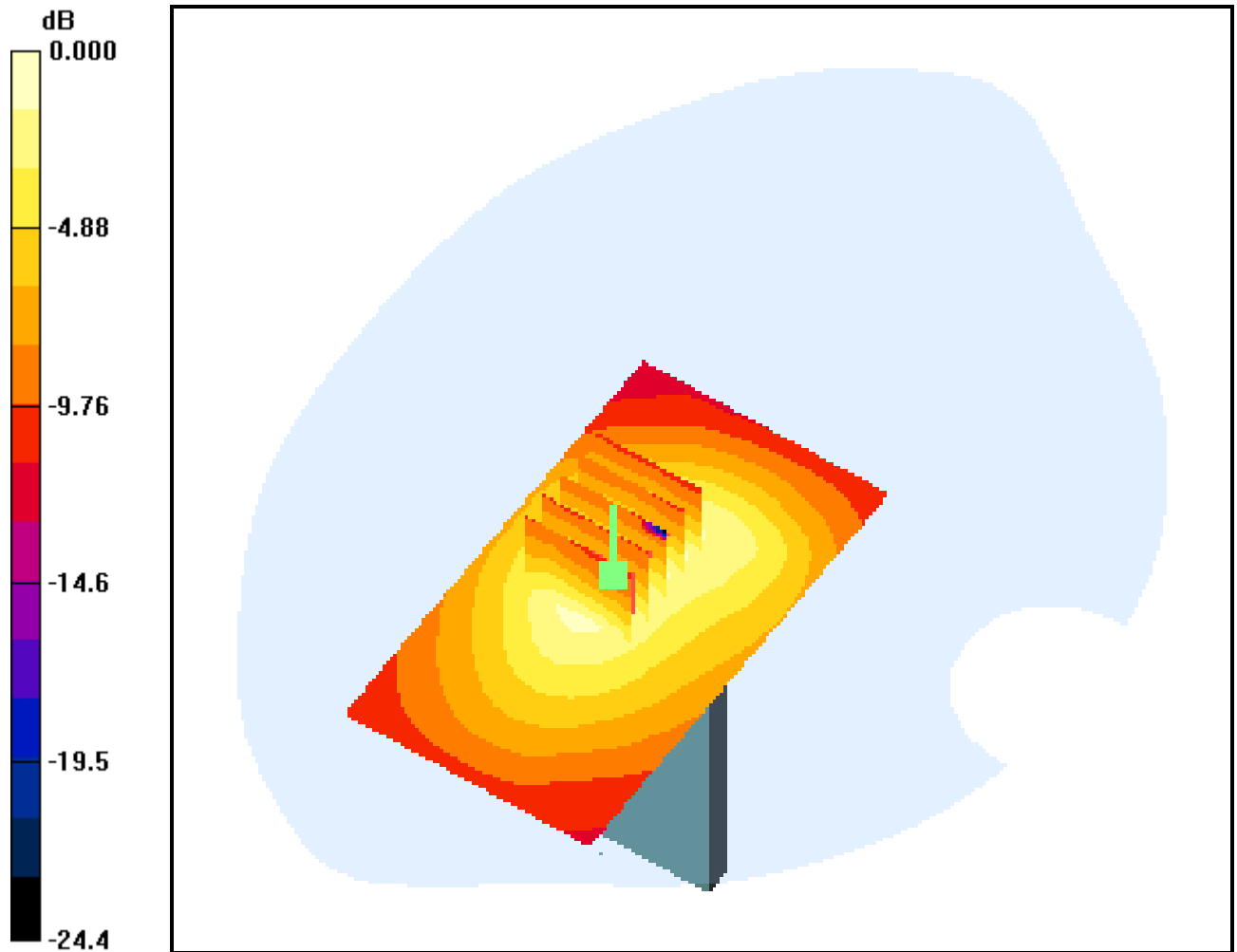
Area Scan (51x91x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

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

Power Drift = -0.094 dB

Peak SAR (extrapolated) = 0.197 W/kg

SAR(1 g) = 0.104 mW/g; SAR(10 g) = 0.065 mW/g



0 dB = 0.114mW/g

DIGITAL EMC CO., LTD

DUT: SUC-2000; Type: USB Modem

Communication System: GSM 850; Frequency: 836.6 MHz; Duty Cycle: 1:2.075

Medium parameters used: $f = 836.6 \text{ MHz}$; $\sigma = 1.01 \text{ mho/m}$; $\epsilon_r = 53.7$; $\rho = 1000 \text{ kg/m}^3$

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: 2009-04-08; Ambient Temp: 22.0; Tissue Temp: 21.1

5mm from Body, Horizontal Down, GSM850 Ch.190, EGPRS Class 12 Mode

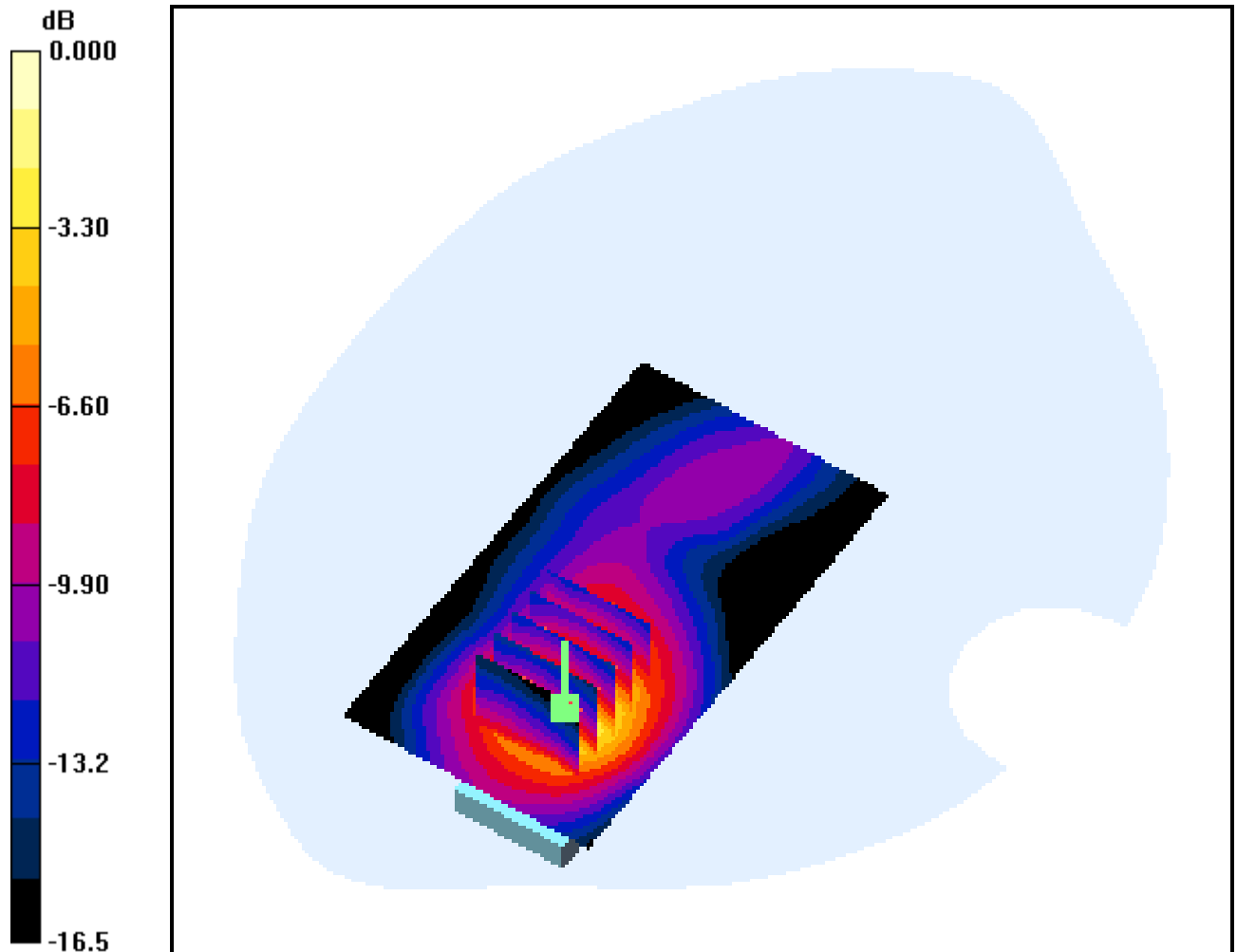
Area Scan (51x91x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

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

Power Drift = -0.027 dB

Peak SAR (extrapolated) = 0.515 W/kg

SAR(1 g) = 0.266 mW/g; SAR(10 g) = 0.136 mW/g



0 dB = 0.319mW/g

DIGITAL EMC CO., LTD

DUT: SUC-2000; Type: USB Modem

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

Medium parameters used: $f = 836.6 \text{ MHz}$; $\sigma = 1.01 \text{ mho/m}$; $\epsilon_r = 53.7$; $\rho = 1000 \text{ kg/m}^3$

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: 2009-04-08; Ambient Temp: 22.0; Tissue Temp: 21.1

5mm from Body, Horizontal Down, GSM850 Ch.190

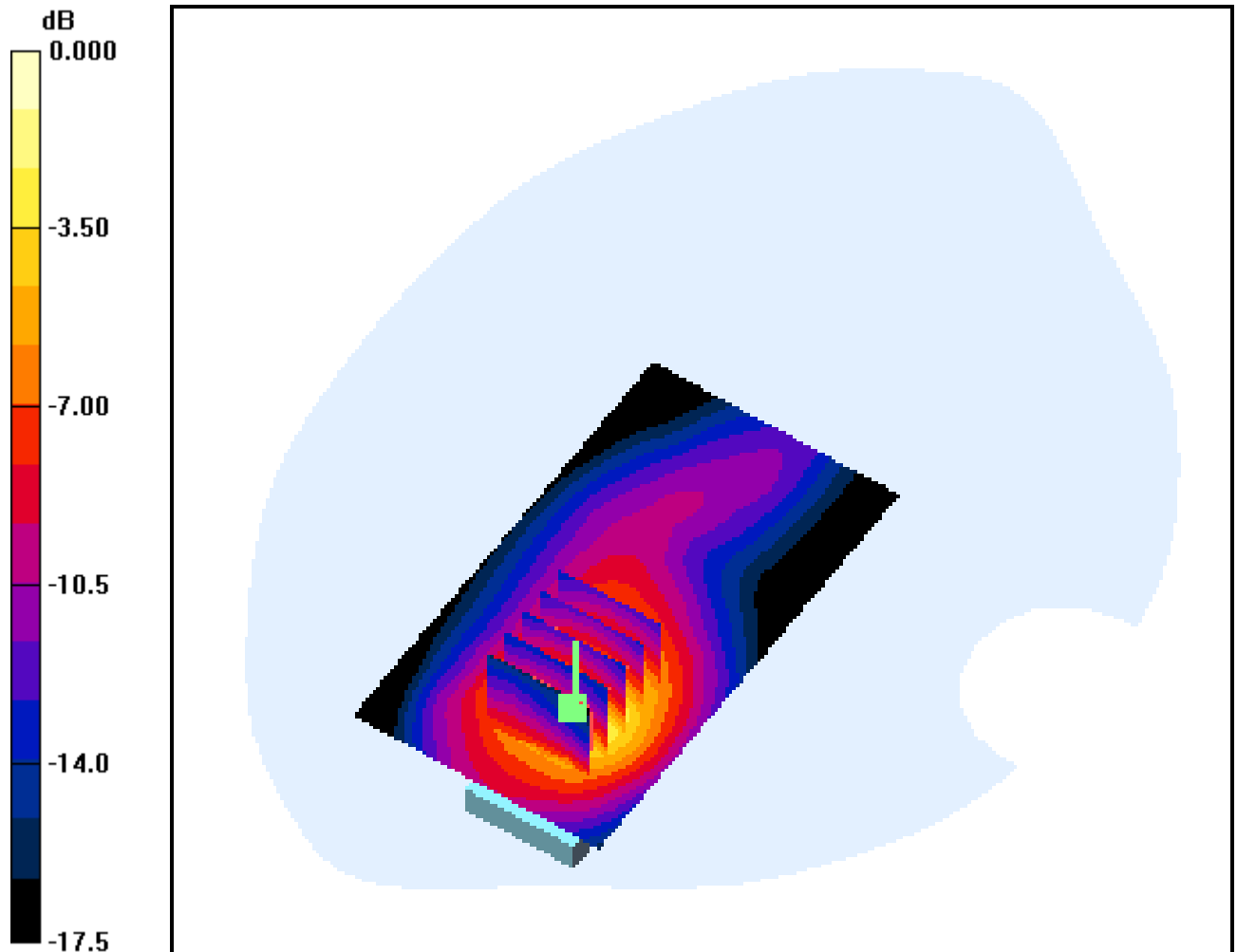
Area Scan (51x91x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

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

Power Drift = -0.071 dB

Peak SAR (extrapolated) = 0.661 W/kg

SAR(1 g) = 0.355 mW/g; SAR(10 g) = 0.186 mW/g



0 dB = 0.417mW/g

DIGITAL EMC CO., LTD

DUT: SUC-2000; Type: USB Modem

Communication System: PCS1900; Frequency: 1880 MHz; Duty Cycle: 1:2.075

Medium parameters used: $f = 1880 \text{ MHz}$; $\sigma = 1.56 \text{ mho/m}$; $\epsilon_r = 51.3$; $\rho = 1000 \text{ kg/m}^3$

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: 2009-03-30; Ambient Temp: 22.0; Tissue Temp: 21.4

5mm from Body, Horizontal Up, PCS1900 Ch.661, GPRS Class 12 Mode

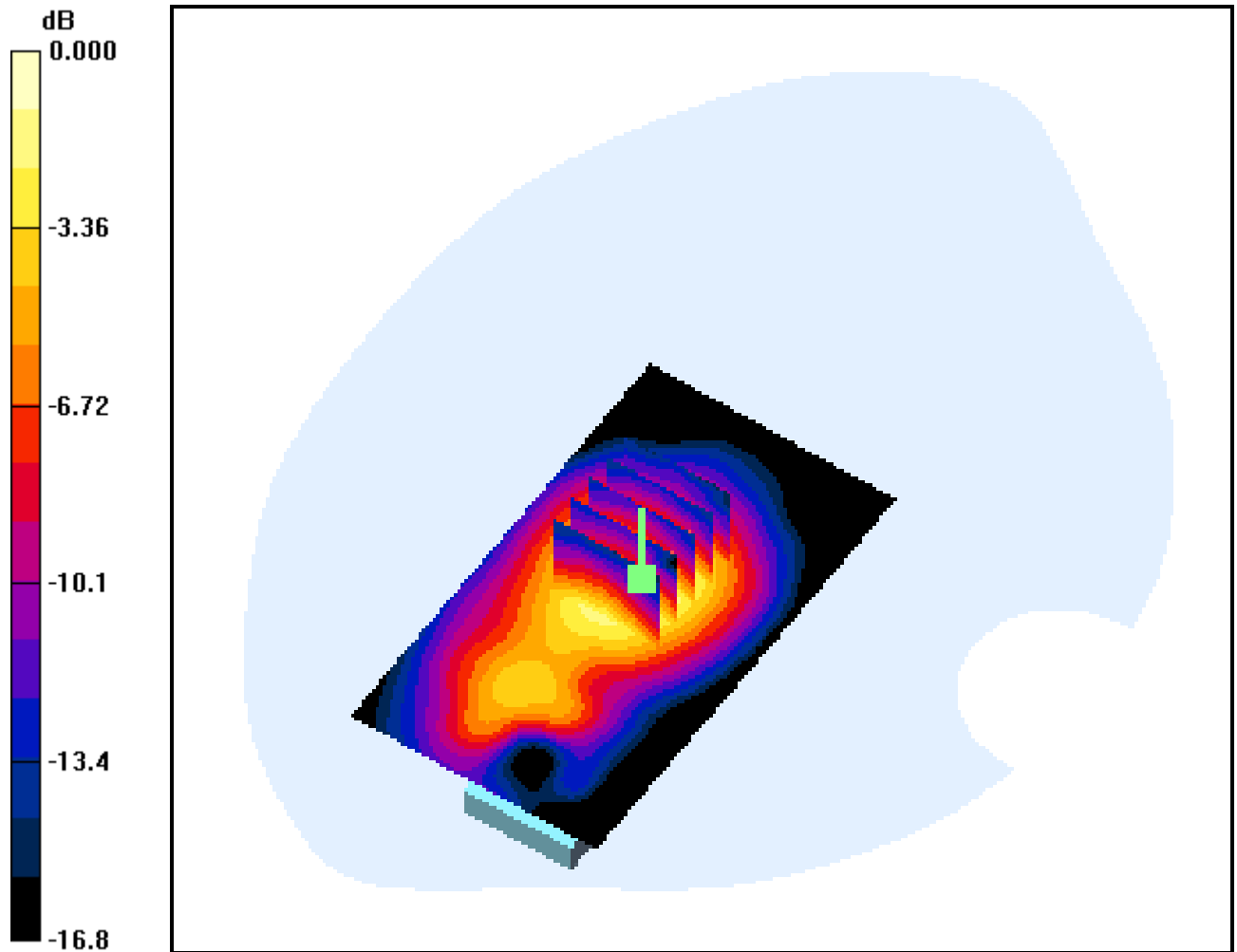
Area Scan (51x91x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

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

Power Drift = -0.139 dB

Peak SAR (extrapolated) = 0.490 W/kg

SAR(1 g) = 0.300 mW/g; SAR(10 g) = 0.170 mW/g



0 dB = 0.322mW/g

DIGITAL EMC CO., LTD

DUT: SUC-2000; Type: USB Modem

Communication System: PCS1900; Frequency: 1880 MHz; Duty Cycle: 1:2.075

Medium parameters used: $f = 1880 \text{ MHz}$; $\sigma = 1.56 \text{ mho/m}$; $\epsilon_r = 51.3$; $\rho = 1000 \text{ kg/m}^3$

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: 2009-03-30; Ambient Temp: 22.0; Tissue Temp: 21.4

5mm from Body, Horizontal Down, PCS1900 Ch.661, GPRS Class 12 Mode

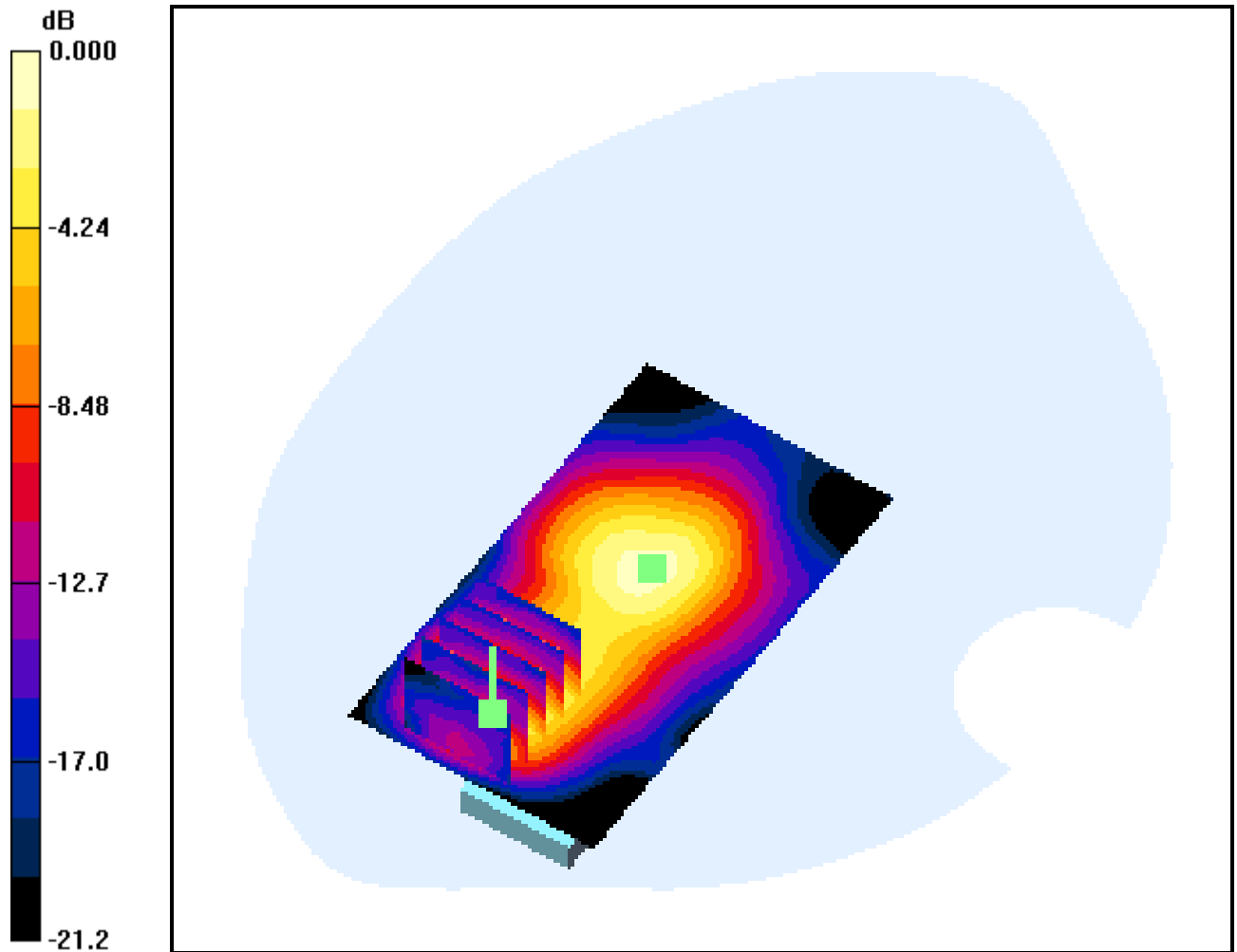
Area Scan (51x91x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

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

Power Drift = 0.008 dB

Peak SAR (extrapolated) = 0.931 W/kg

SAR(1 g) = 0.399 mW/g; SAR(10 g) = 0.197 mW/g



0 dB = 0.444mW/g

DIGITAL EMC CO., LTD

DUT: SUC-2000; Type: USB Modem

Communication System: PCS1900; Frequency: 1880 MHz; Duty Cycle: 1:2.075

Medium parameters used: $f = 1880 \text{ MHz}$; $\sigma = 1.56 \text{ mho/m}$; $\epsilon_r = 51.3$; $\rho = 1000 \text{ kg/m}^3$

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: 2009-03-30; Ambient Temp: 22.0; Tissue Temp: 21.4

5mm from Body, Horizontal Down, PCS1900 Ch.661, GPRS Class 12 Mode

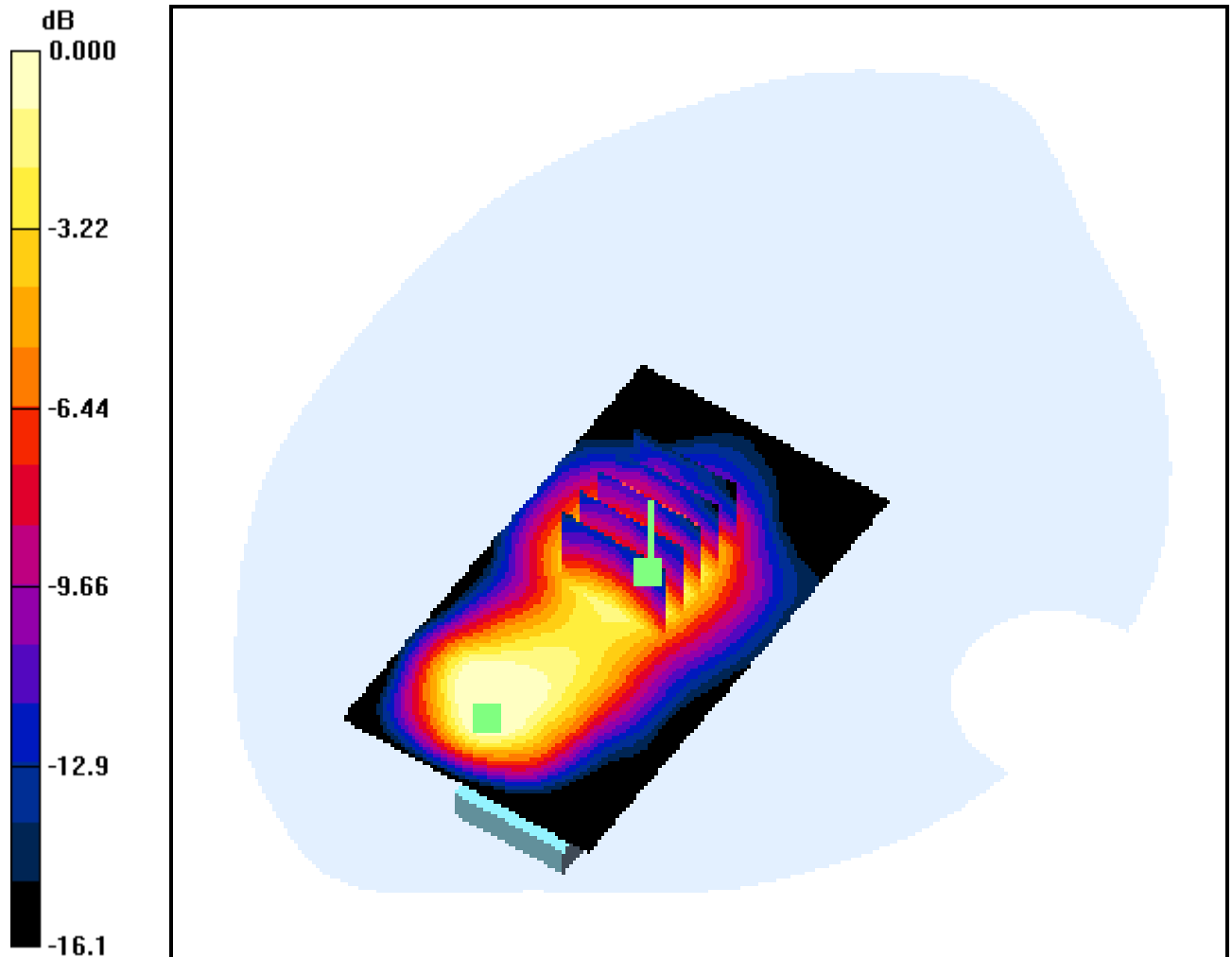
Area Scan (51x91x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

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

Power Drift = 0.008 dB

Peak SAR (extrapolated) = 0.519 W/kg

SAR(1 g) = 0.314 mW/g; SAR(10 g) = 0.180 mW/g



0 dB = 0.338mW/g

DIGITAL EMC CO., LTD

DUT: SUC-2000; Type: USB Modem

Communication System: PCS1900; Frequency: 1850.2 MHz; Duty Cycle: 1:2.075
Medium parameters used: $f = 1850.2 \text{ MHz}$; $\sigma = 1.54 \text{ mho/m}$; $\epsilon_r = 51.5$; $\rho = 1000 \text{ kg/m}^3$
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: 2009-03-30; Ambient Temp: 22.0; Tissue Temp: 21.4

5mm from Body, Vertical Front, PCS1900 Ch.512, GPRS Class 12 Mode

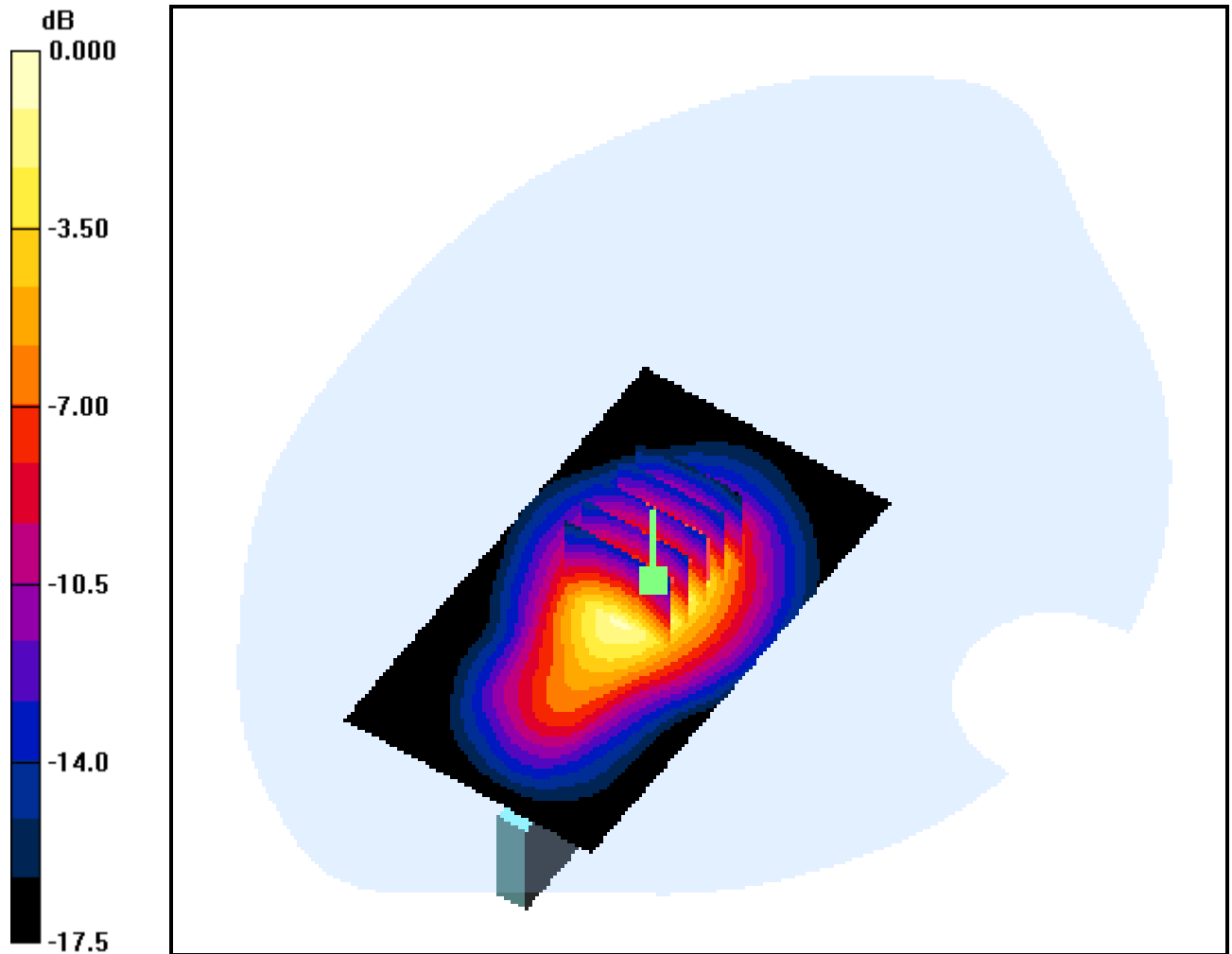
Area Scan (51x91x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

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

Power Drift = 0.056 dB

Peak SAR (extrapolated) = 1.53 W/kg

SAR(1 g) = 0.869 mW/g; SAR(10 g) = 0.475 mW/g



0 dB = 0.951mW/g

DIGITAL EMC CO., LTD

DUT: SUC-2000; Type: USB Modem

Communication System: PCS1900; Frequency: 1880 MHz; Duty Cycle: 1:2.075

Medium parameters used: $f = 1880 \text{ MHz}$; $\sigma = 1.56 \text{ mho/m}$; $\epsilon_r = 51.3$; $\rho = 1000 \text{ kg/m}^3$

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: 2009-03-30; Ambient Temp: 22.0; Tissue Temp: 21.4

5mm from Body, Vertical Front, PCS1900 Ch.661, GPRS Class 12 Mode

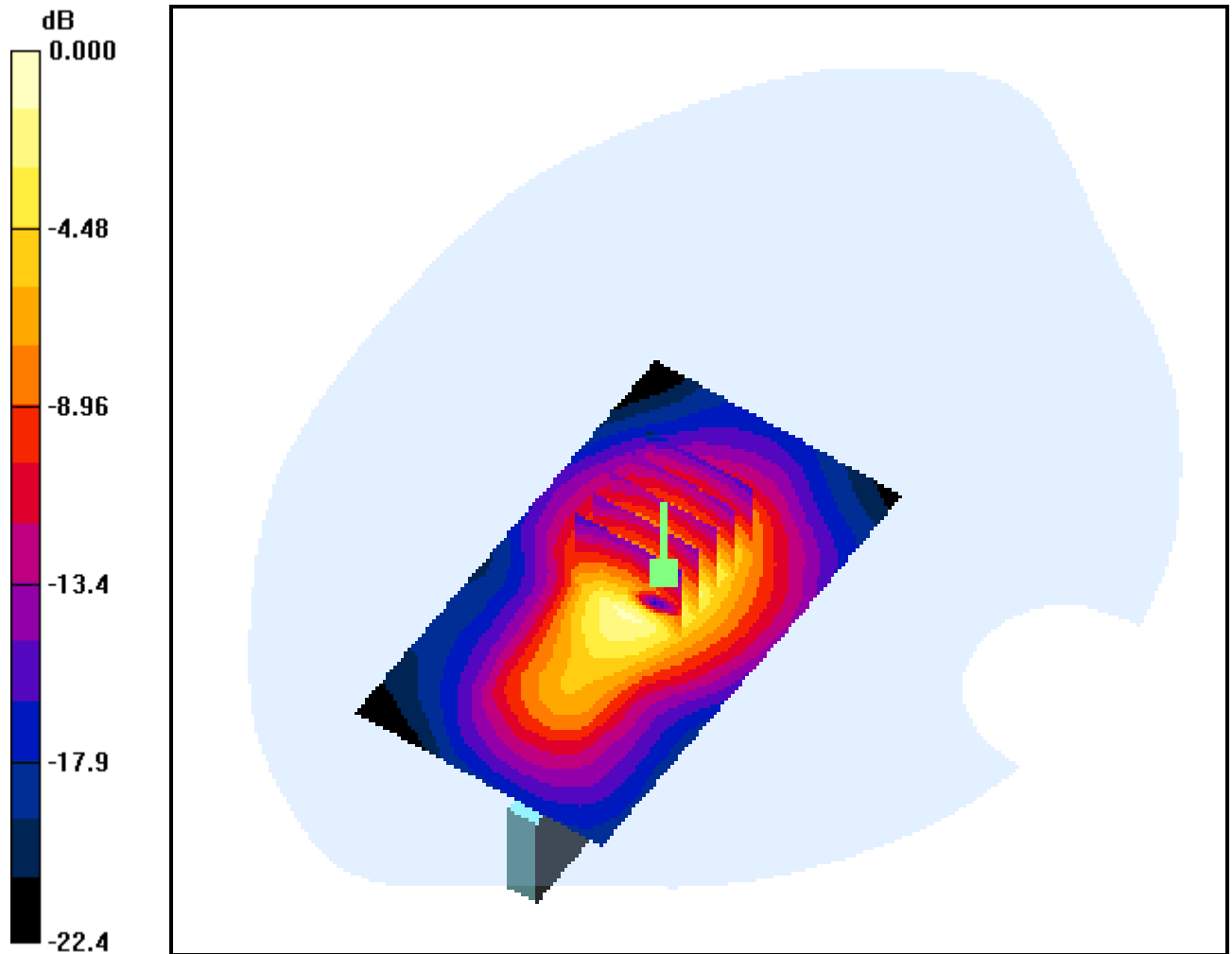
Area Scan (51x91x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

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

Power Drift = 0.042 dB

Peak SAR (extrapolated) = 1.15 W/kg

SAR(1 g) = 0.663 mW/g; SAR(10 g) = 0.359 mW/g



0 dB = 0.744mW/g

DIGITAL EMC CO., LTD

DUT: SUC-2000; Type: USB Modem

Communication System: PCS1900; Frequency: 1909.8 MHz; Duty Cycle: 1:2.075
Medium parameters used: $f = 1909.8 \text{ MHz}$; $\sigma = 1.59 \text{ mho/m}$; $\epsilon_r = 51.1$; $\rho = 1000 \text{ kg/m}^3$
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: 2009-03-30; Ambient Temp: 22.0; Tissue Temp: 21.4

5mm from Body, Vertical Front, PCS1900 Ch.810, GPRS Class 12 Mode

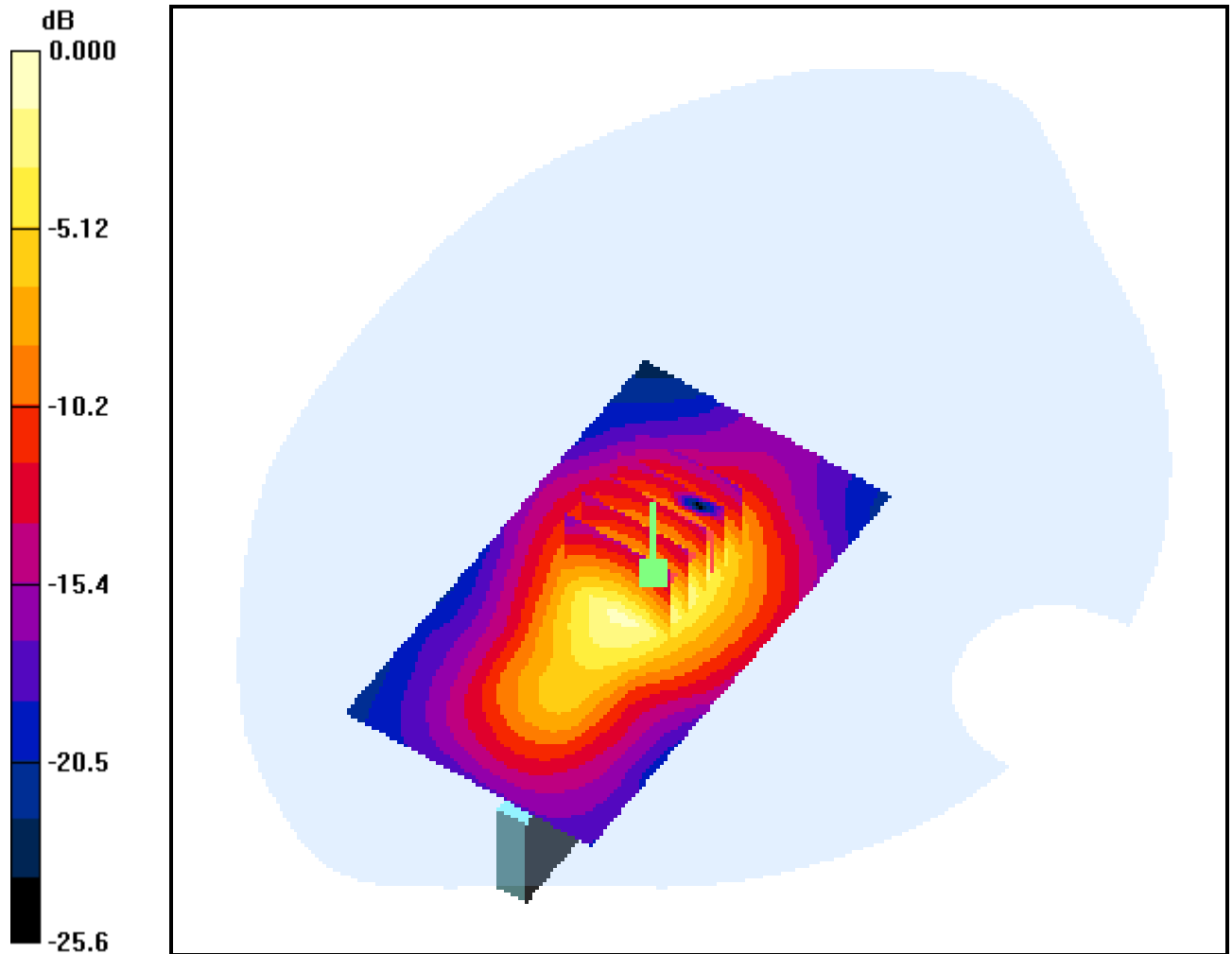
Area Scan (51x91x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

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

Power Drift = 0.048 dB

Peak SAR (extrapolated) = 0.994 W/kg

SAR(1 g) = 0.555 mW/g; SAR(10 g) = 0.300 mW/g



0 dB = 0.608mW/g

DIGITAL EMC CO., LTD

DUT: SUC-2000; Type: USB Modem

Communication System: PCS1900; Frequency: 1880 MHz; Duty Cycle: 1:2.075

Medium parameters used: $f = 1880 \text{ MHz}$; $\sigma = 1.56 \text{ mho/m}$; $\epsilon_r = 51.3$; $\rho = 1000 \text{ kg/m}^3$

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: 2009-03-30; Ambient Temp: 22.0; Tissue Temp: 21.4

5mm from Body, Vertical Back, PCS1900 Ch.661, GPRS Class 12 Mode

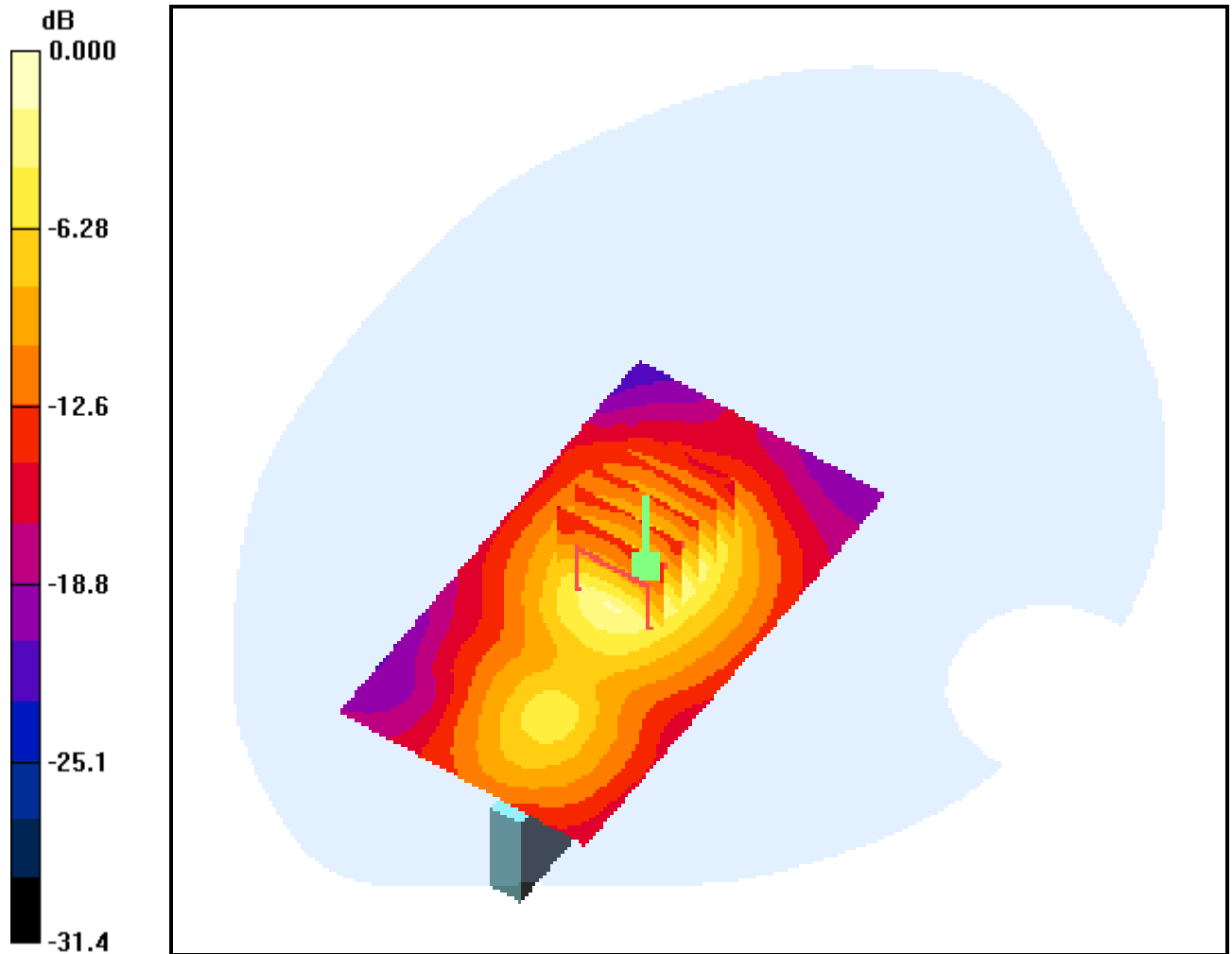
Area Scan (51x91x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

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

Power Drift = 0.044 dB

Peak SAR (extrapolated) = 0.533 W/kg

SAR(1 g) = 0.302 mW/g; SAR(10 g) = 0.150 mW/g



0 dB = 0.342mW/g

DIGITAL EMC CO., LTD

DUT: SUC-2000; Type: USB Modem

Communication System: PCS1900; Frequency: 1880 MHz; Duty Cycle: 1:2.075

Medium parameters used: $f = 1880 \text{ MHz}$; $\sigma = 1.56 \text{ mho/m}$; $\epsilon_r = 51.3$; $\rho = 1000 \text{ kg/m}^3$

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: 2009-03-30; Ambient Temp: 22.0; Tissue Temp: 21.4

5mm from Body, Bottom, PCS1900 Ch.661, GPRS Class 12 Mode

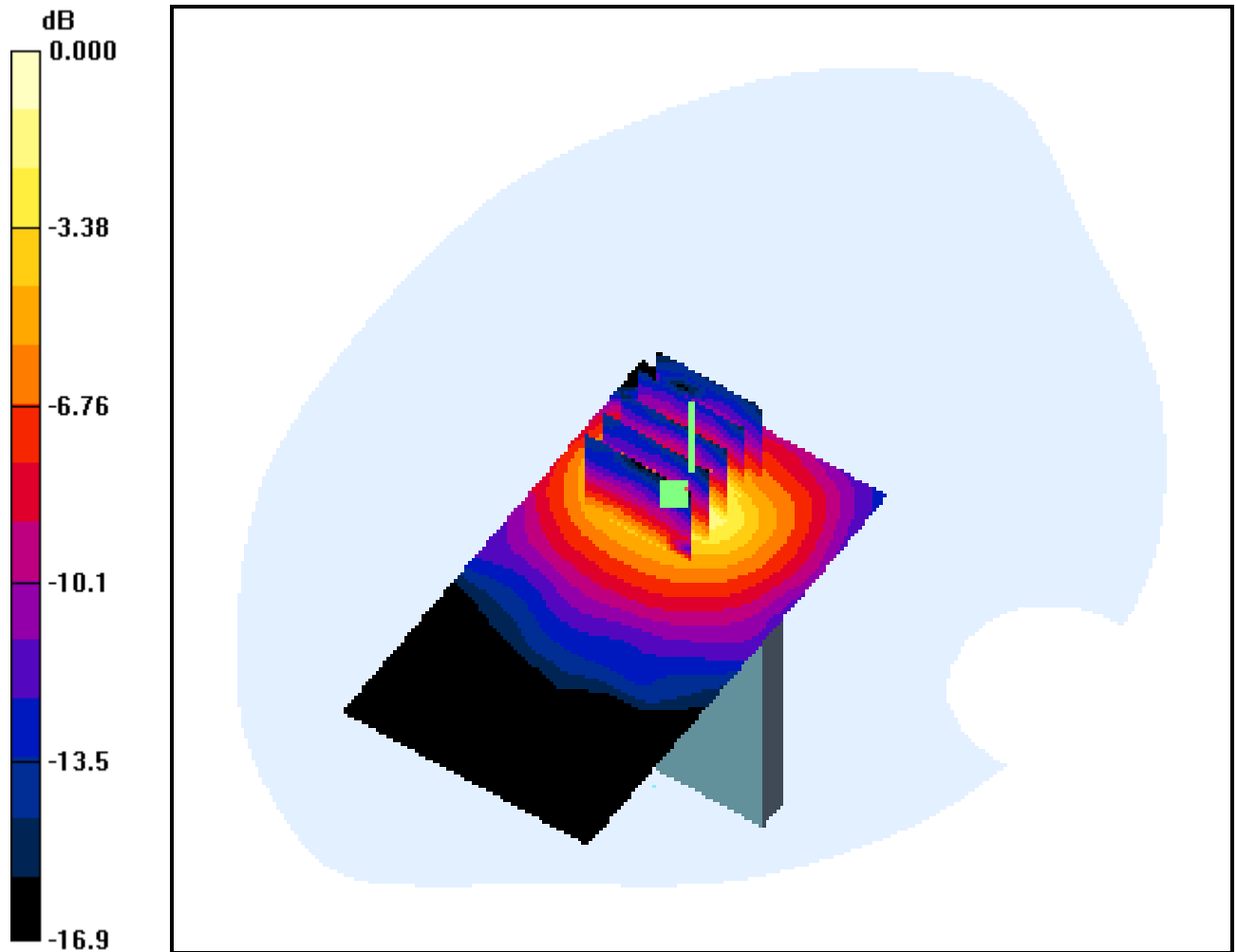
Area Scan (51x91x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

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

Power Drift = 0.082 dB

Peak SAR (extrapolated) = 0.336 W/kg

SAR(1 g) = 0.167 mW/g; SAR(10 g) = 0.080 mW/g



0 dB = 0.181mW/g

DIGITAL EMC CO., LTD

DUT: SUC-2000; Type: USB Modem

Communication System: PCS1900; Frequency: 1880 MHz; Duty Cycle: 1:2.075

Medium parameters used: $f = 1880 \text{ MHz}$; $\sigma = 1.56 \text{ mho/m}$; $\epsilon_r = 51.3$; $\rho = 1000 \text{ kg/m}^3$

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: 2009-03-30; Ambient Temp: 22.0; Tissue Temp: 21.4

5mm from Body, Top, PCS1900 Ch.661, GPRS Class 12 Mode

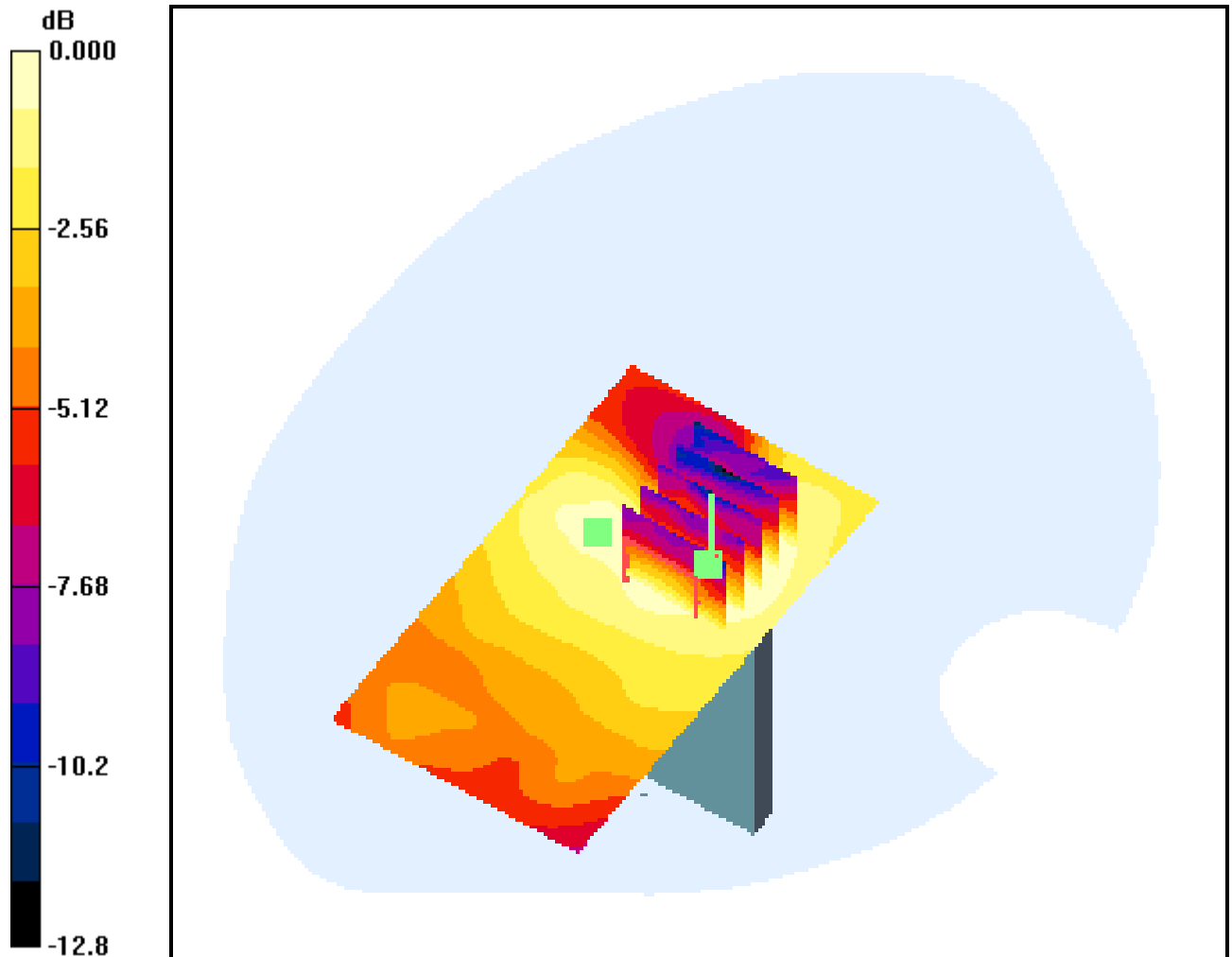
Area Scan (51x91x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

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

Power Drift = 0.162 dB

Peak SAR (extrapolated) = 0.058 W/kg

SAR(1 g) = 0.037 mW/g; SAR(10 g) = 0.025 mW/g



0 dB = 0.039mW/g

DIGITAL EMC CO., LTD

DUT: SUC-2000; Type: USB Modem

Communication System: PCS1900; Frequency: 1880 MHz; Duty Cycle: 1:2.075

Medium parameters used: $f = 1880 \text{ MHz}$; $\sigma = 1.56 \text{ mho/m}$; $\epsilon_r = 51.3$; $\rho = 1000 \text{ kg/m}^3$

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: 2009-03-30; Ambient Temp: 22.0; Tissue Temp: 21.4

5mm from Body, Top, PCS1900 Ch.661, GPRS Class 12 Mode

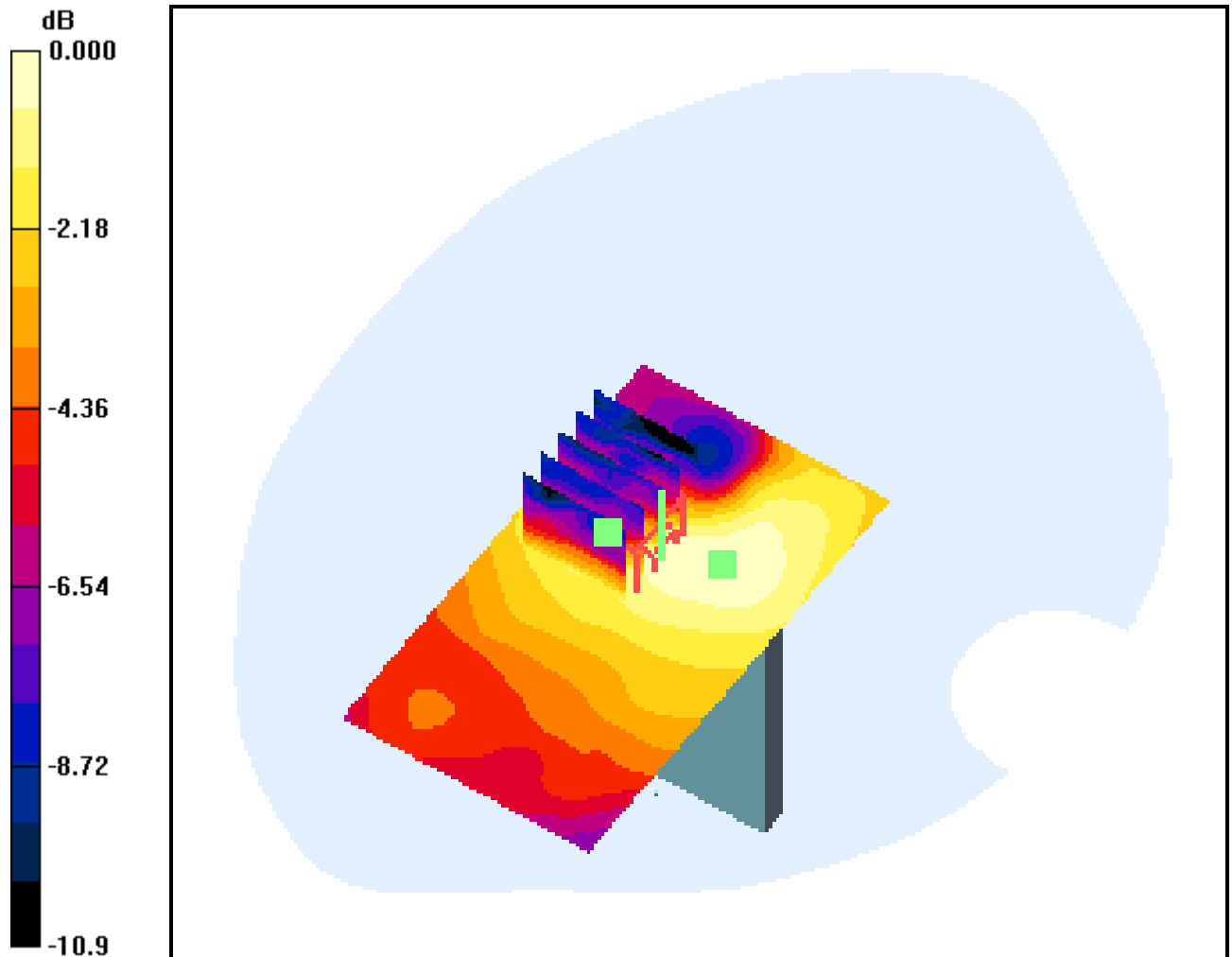
Area Scan (51x91x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

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

Power Drift = 0.162 dB

Peak SAR (extrapolated) = 0.071 W/kg

SAR(1 g) = 0.037 mW/g; SAR(10 g) = 0.023 mW/g



0 dB = 0.041mW/g

DIGITAL EMC CO., LTD

DUT: SUC-2000; Type: USB Modem

Communication System: PCS1900; Frequency: 1850.2 MHz; Duty Cycle: 1:2.075
Medium parameters used: $f = 1850.2 \text{ MHz}$; $\sigma = 1.54 \text{ mho/m}$; $\epsilon_r = 51.5$; $\rho = 1000 \text{ kg/m}^3$
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: 2009-03-30; Ambient Temp: 22.0; Tissue Temp: 21.4

5mm from Body, Vertical Front, PCS1900 Ch.512, EGPRS Class 12 Mode

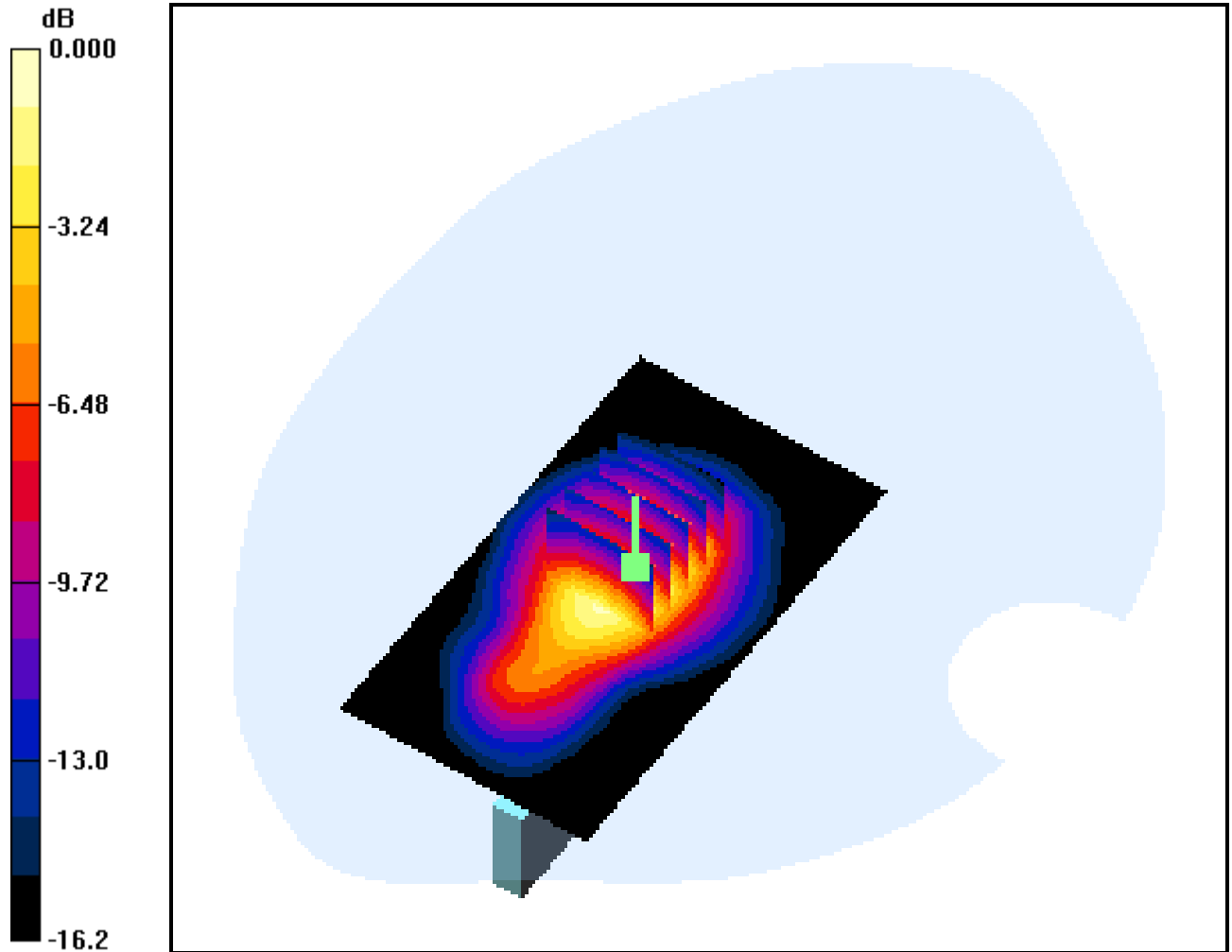
Area Scan (51x91x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

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

Power Drift = -0.113 dB

Peak SAR (extrapolated) = 0.923 W/kg

SAR(1 g) = 0.531 mW/g; SAR(10 g) = 0.295 mW/g



0 dB = 0.580mW/g

DIGITAL EMC CO., LTD

DUT: SUC-2000; Type: USB Modem

Communication System: PCS1900; Frequency: 1850.2 MHz; Duty Cycle: 1:8.3
Medium parameters used: $f = 1850.2 \text{ MHz}$; $\sigma = 1.54 \text{ mho/m}$; $\epsilon_r = 51.5$; $\rho = 1000 \text{ kg/m}^3$
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: 2009-03-30; Ambient Temp: 22.0; Tissue Temp: 21.4

5mm from Body, Vertical Front, PCS Ch.512

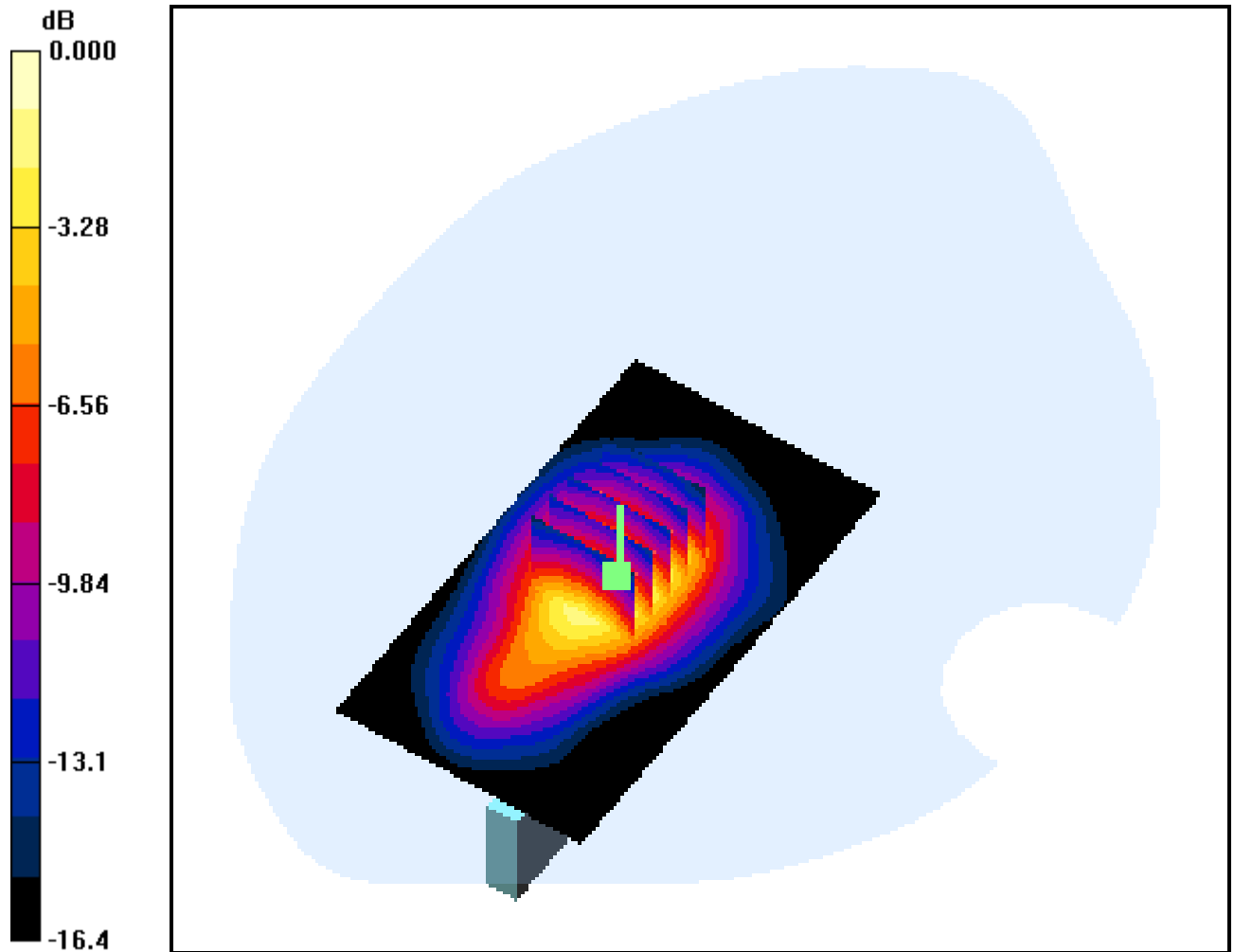
Area Scan (51x91x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

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

Power Drift = 0.241 dB

Peak SAR (extrapolated) = 0.658 W/kg

SAR(1 g) = 0.386 mW/g; SAR(10 g) = 0.217 mW/g



0 dB = 0.427mW/g

DIGITAL EMC CO., LTD

DUT: SUC-2000; Type: USB Modem

Communication System: UMTS850; Frequency: 826.4 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 826.4 \text{ MHz}$; $\sigma = 0.998 \text{ mho/m}$; $\epsilon_r = 53.8$; $\rho = 1000 \text{ kg/m}^3$

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: 2009-04-08; Ambient Temp: 22.0; Tissue Temp: 21.1

5mm from Body, Horizontal Up, WCDMA(FDD V) Ch.4132, Ant Internal

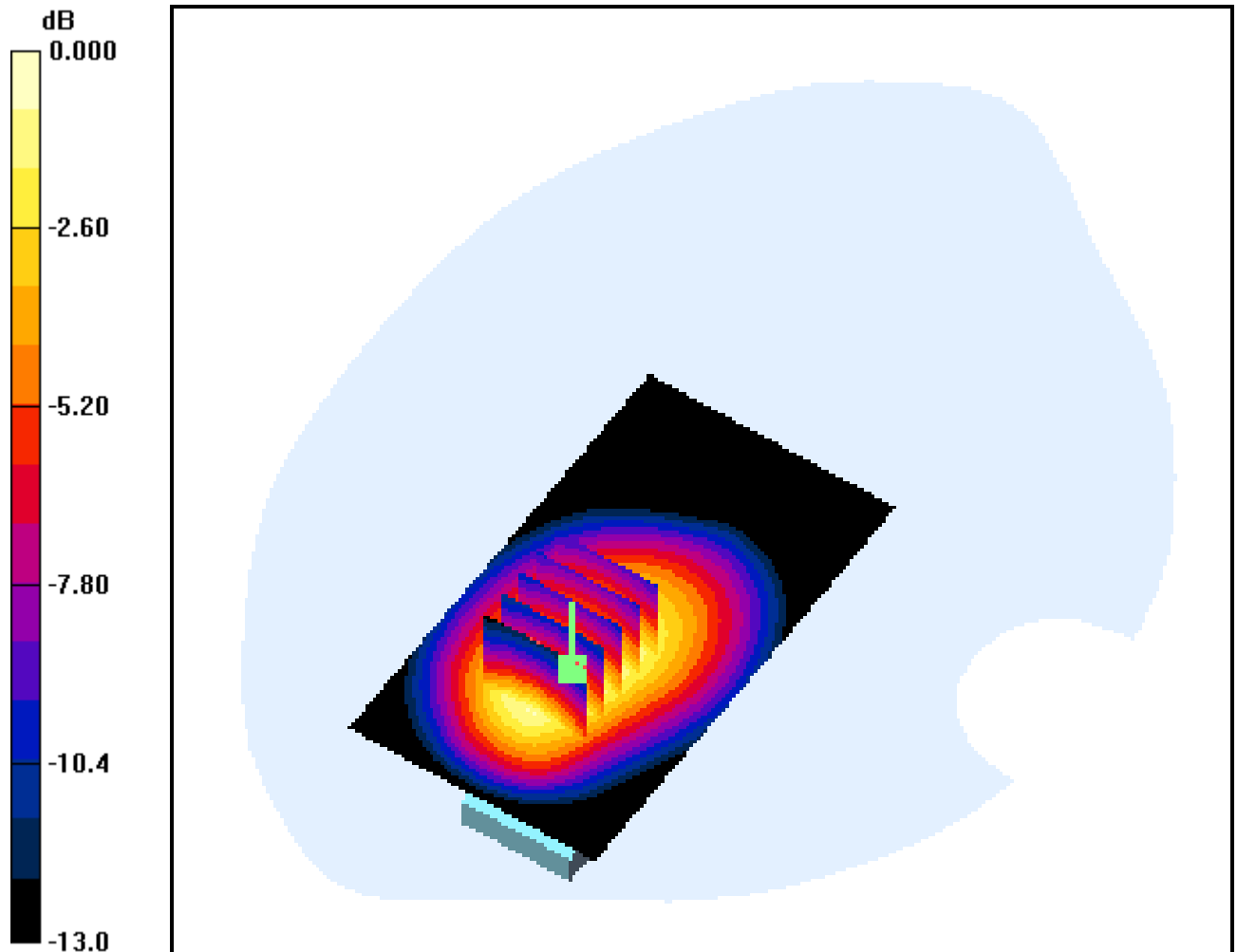
Area Scan (51x91x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

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

Power Drift = -0.050 dB

Peak SAR (extrapolated) = 0.721 W/kg

SAR(1 g) = 0.478 mW/g; SAR(10 g) = 0.310 mW/g



0 dB = 0.510mW/g

DIGITAL EMC CO., LTD

DUT: SUC-2000; Type: USB Modem

Communication System: UMTS850; Frequency: 836.4 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 836.4 \text{ MHz}$; $\sigma = 1.01 \text{ mho/m}$; $\epsilon_r = 53.6$; $\rho = 1000 \text{ kg/m}^3$

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: 2009-04-08; Ambient Temp: 22.0; Tissue Temp: 21.1

5mm from Body, Horizontal Up, WCDMA(FDD V) Ch.4182, Ant Internal

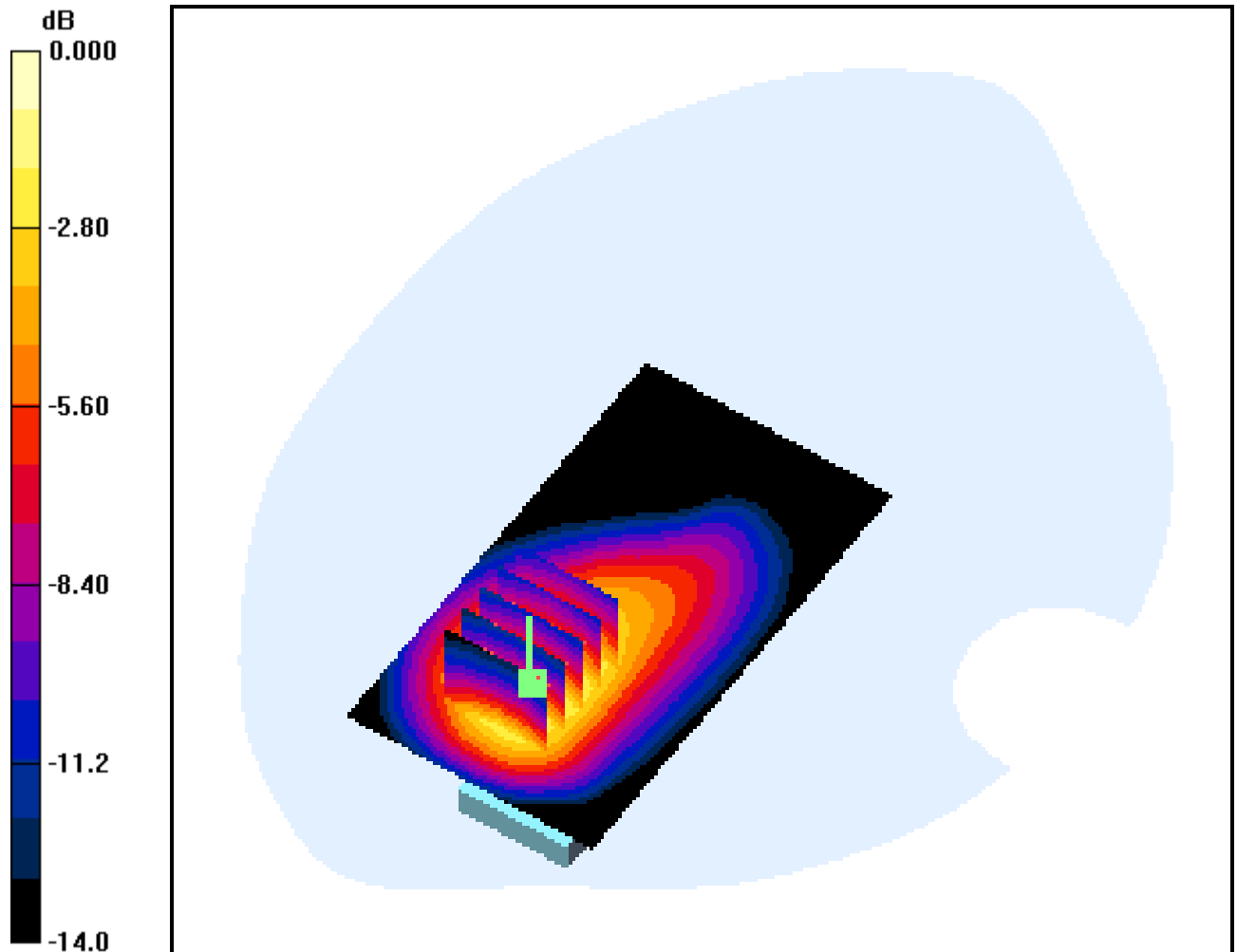
Area Scan (51x91x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

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

Power Drift = 0.179 dB

Peak SAR (extrapolated) = 0.344 W/kg

SAR(1 g) = 0.209 mW/g; SAR(10 g) = 0.125 mW/g



0 dB = 0.229mW/g

DIGITAL EMC CO., LTD

DUT: SUC-2000; Type: USB Modem

Communication System: UMTS850; Frequency: 846.6 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 846.6 \text{ MHz}$; $\sigma = 1.01 \text{ mho/m}$; $\epsilon_r = 53.6$; $\rho = 1000 \text{ kg/m}^3$

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: 2009-04-08; Ambient Temp: 22.0; Tissue Temp: 21.1

5mm from Body, Horizontal Up, WCDMA(FDD V) Ch.4233, Ant Internal

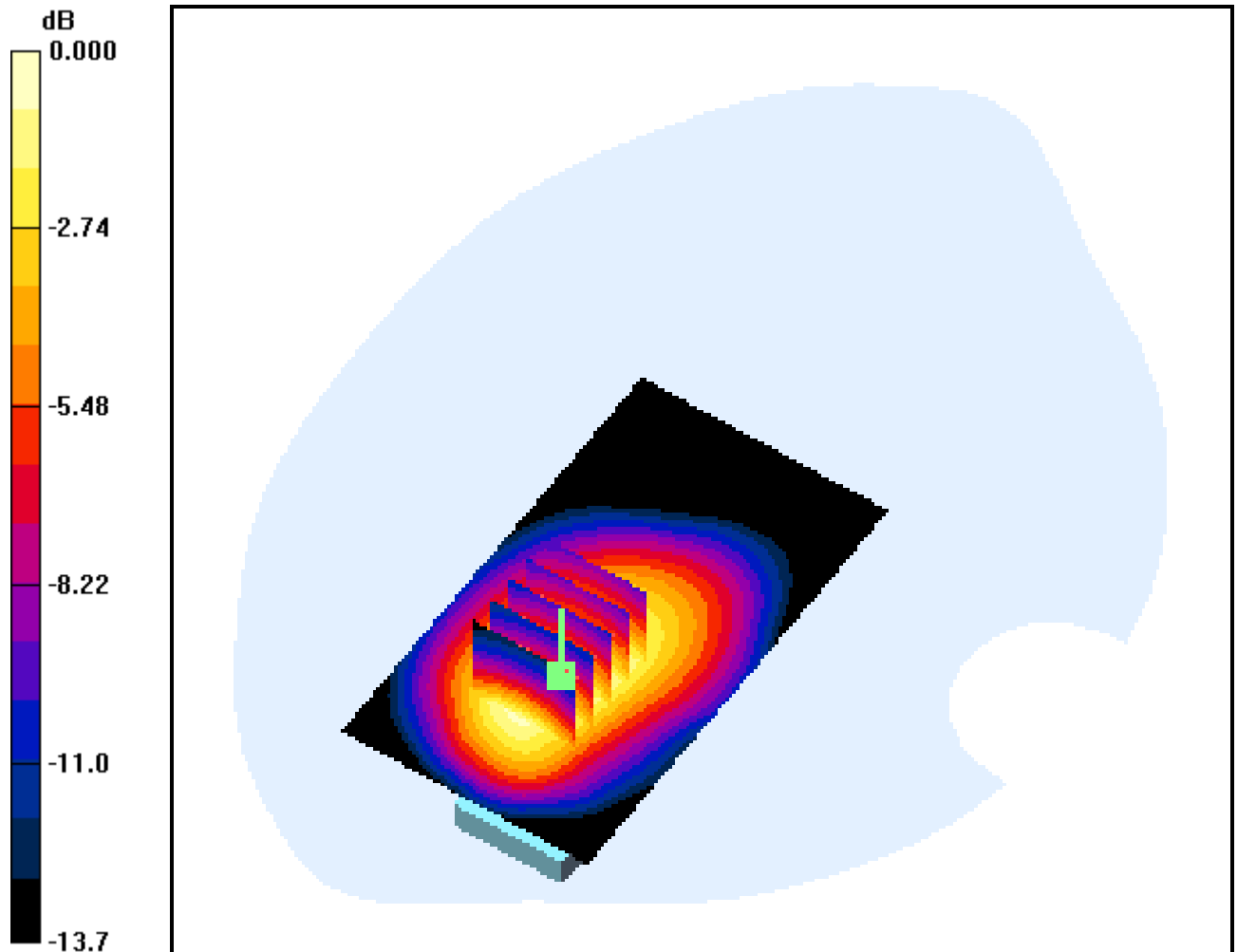
Area Scan (51x91x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

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

Power Drift = 0.297 dB

Peak SAR (extrapolated) = 0.393 W/kg

SAR(1 g) = 0.251 mW/g; SAR(10 g) = 0.159 mW/g



0 dB = 0.269mW/g

DIGITAL EMC CO., LTD

DUT: SUC-2000; Type: USB Modem

Communication System: UMTS850; Frequency: 836.4 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 836.4 \text{ MHz}$; $\sigma = 1.01 \text{ mho/m}$; $\epsilon_r = 53.6$; $\rho = 1000 \text{ kg/m}^3$

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: 2009-04-08; Ambient Temp: 22.0; Tissue Temp: 21.1

5mm from Body, Horizontal Down, WCDMA(FDD V) Ch.4182, Ant Internal

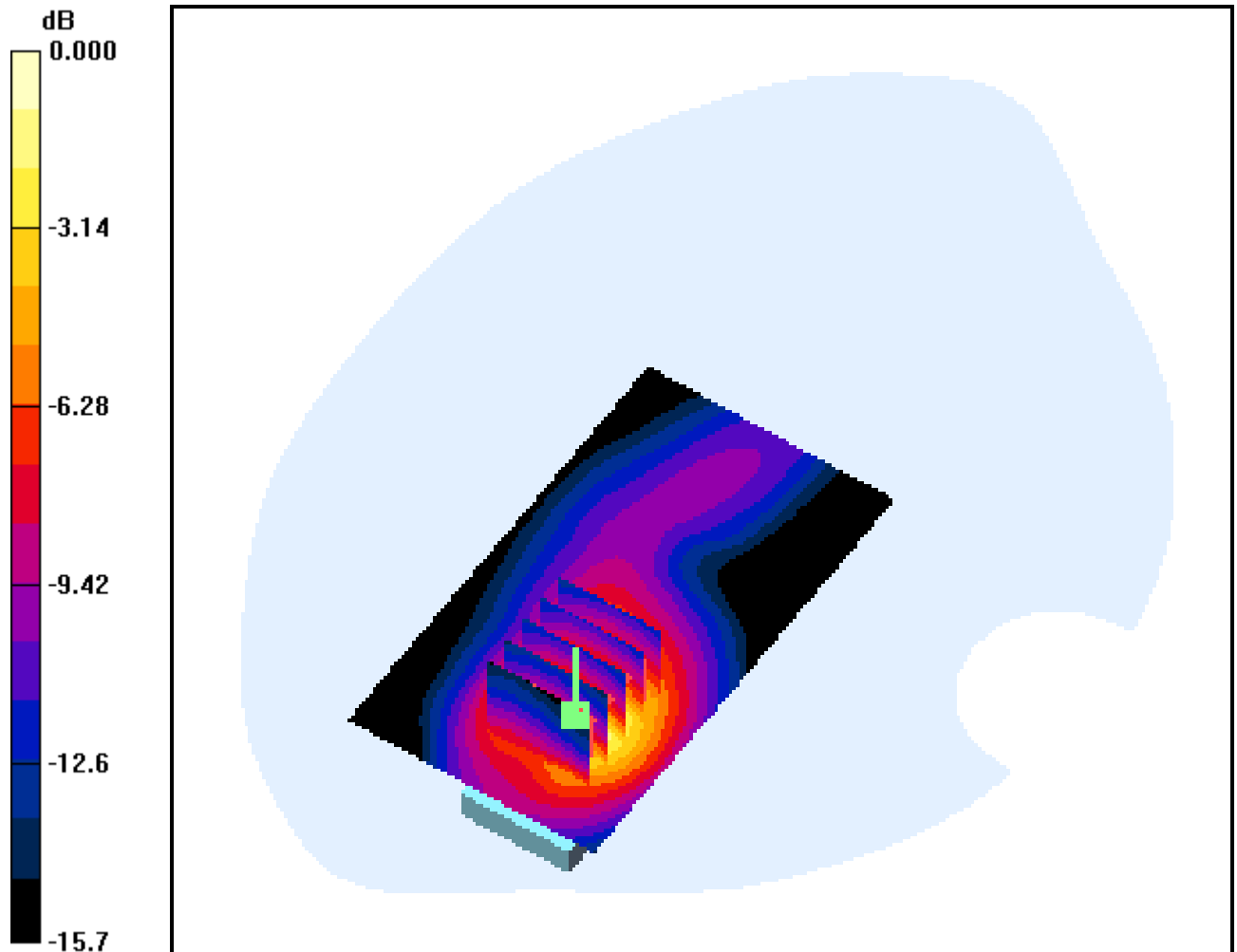
Area Scan (51x91x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

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

Power Drift = 0.298 dB

Peak SAR (extrapolated) = 0.349 W/kg

SAR(1 g) = 0.189 mW/g; SAR(10 g) = 0.101 mW/g



0 dB = 0.224mW/g

DIGITAL EMC CO., LTD

DUT: SUC-2000; Type: USB Modem

Communication System: UMTS850; Frequency: 836.4 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 836.4 \text{ MHz}$; $\sigma = 1.01 \text{ mho/m}$; $\epsilon_r = 53.6$; $\rho = 1000 \text{ kg/m}^3$

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: 2009-04-08; Ambient Temp: 22.0; Tissue Temp: 21.1

5mm from Body, Vertical Front, WCDMA(FDD V) Ch.4182, Ant Internal

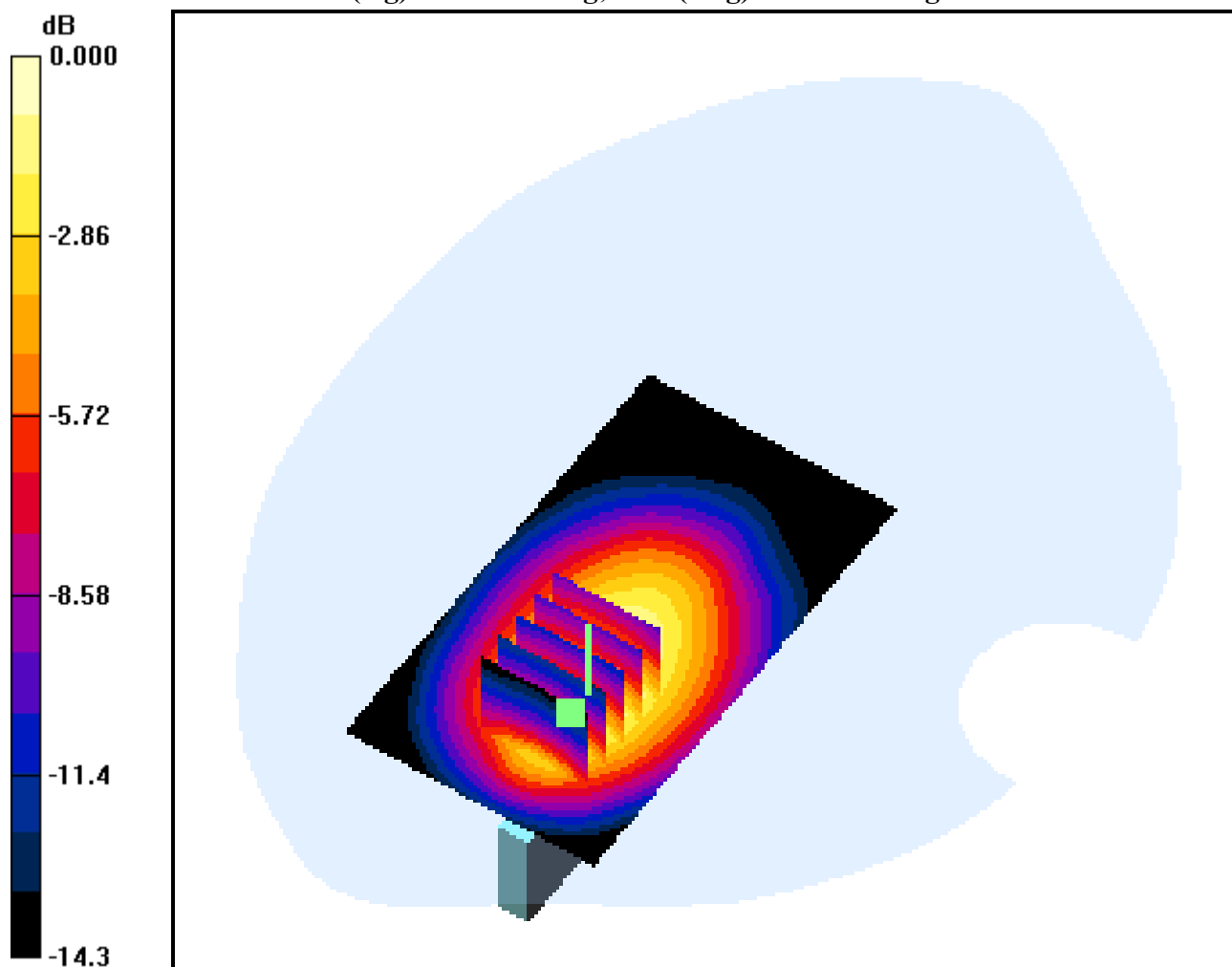
Area Scan (51x91x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

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

Power Drift = 0.098 dB

Peak SAR (extrapolated) = 0.245 W/kg

SAR(1 g) = 0.146 mW/g; SAR(10 g) = 0.090 mW/g



0 dB = 0.157mW/g

DIGITAL EMC CO., LTD

DUT: SUC-2000; Type: USB Modem

Communication System: UMTS850; Frequency: 836.4 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 836.4 \text{ MHz}$; $\sigma = 1.01 \text{ mho/m}$; $\epsilon_r = 53.6$; $\rho = 1000 \text{ kg/m}^3$

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: 2009-04-08; Ambient Temp: 22.0; Tissue Temp: 21.1

5mm from Body, Vertical Back, WCDMA(FDD V) Ch.4182, Ant Internal

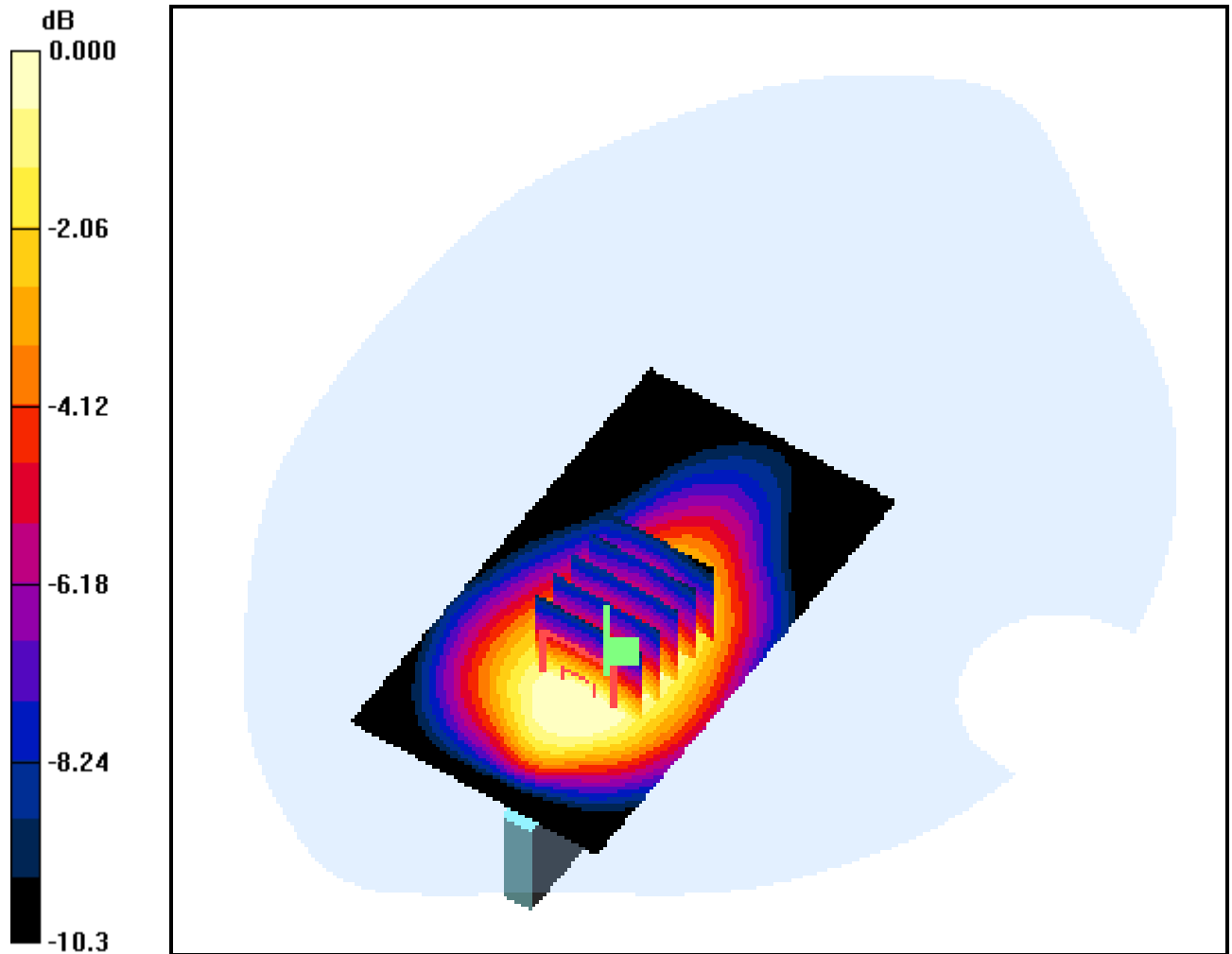
Area Scan (51x91x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

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

Power Drift = 0.330 dB

Peak SAR (extrapolated) = 0.112 W/kg

SAR(1 g) = 0.076 mW/g; SAR(10 g) = 0.050 mW/g



0 dB = 0.080mW/g

DIGITAL EMC CO., LTD

DUT: SUC-2000; Type: USB Modem

Communication System: UMTS850; Frequency: 836.4 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 836.4 \text{ MHz}$; $\sigma = 1.01 \text{ mho/m}$; $\epsilon_r = 53.6$; $\rho = 1000 \text{ kg/m}^3$

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: 2009-04-08; Ambient Temp: 22.0; Tissue Temp: 21.1

5mm from Body, Bottom, WCDMA(FDD V) Ch.4182, Ant Internal

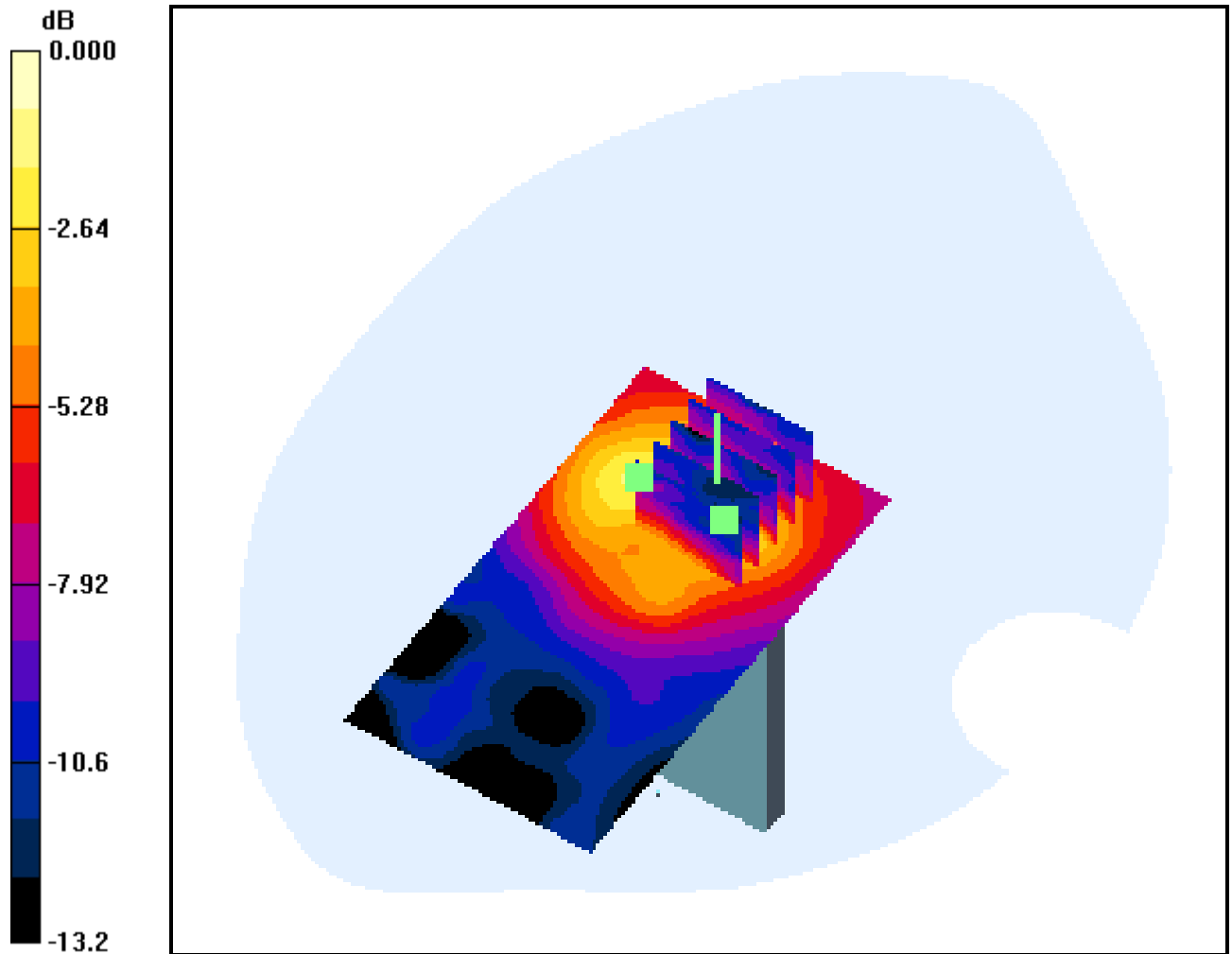
Area Scan (51x91x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

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) = 0.035 W/kg

SAR(1 g) = 0.020 mW/g; SAR(10 g) = 0.010 mW/g



0 dB = 0.022mW/g

DIGITAL EMC CO., LTD

DUT: SUC-2000; Type: USB Modem

Communication System: UMTS850; Frequency: 836.4 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 836.4 \text{ MHz}$; $\sigma = 1.01 \text{ mho/m}$; $\epsilon_r = 53.6$; $\rho = 1000 \text{ kg/m}^3$

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: 2009-04-08; Ambient Temp: 22.0; Tissue Temp: 21.1

5mm from Body, Bottom, WCDMA(FDD V) Ch.4182, Ant Internal

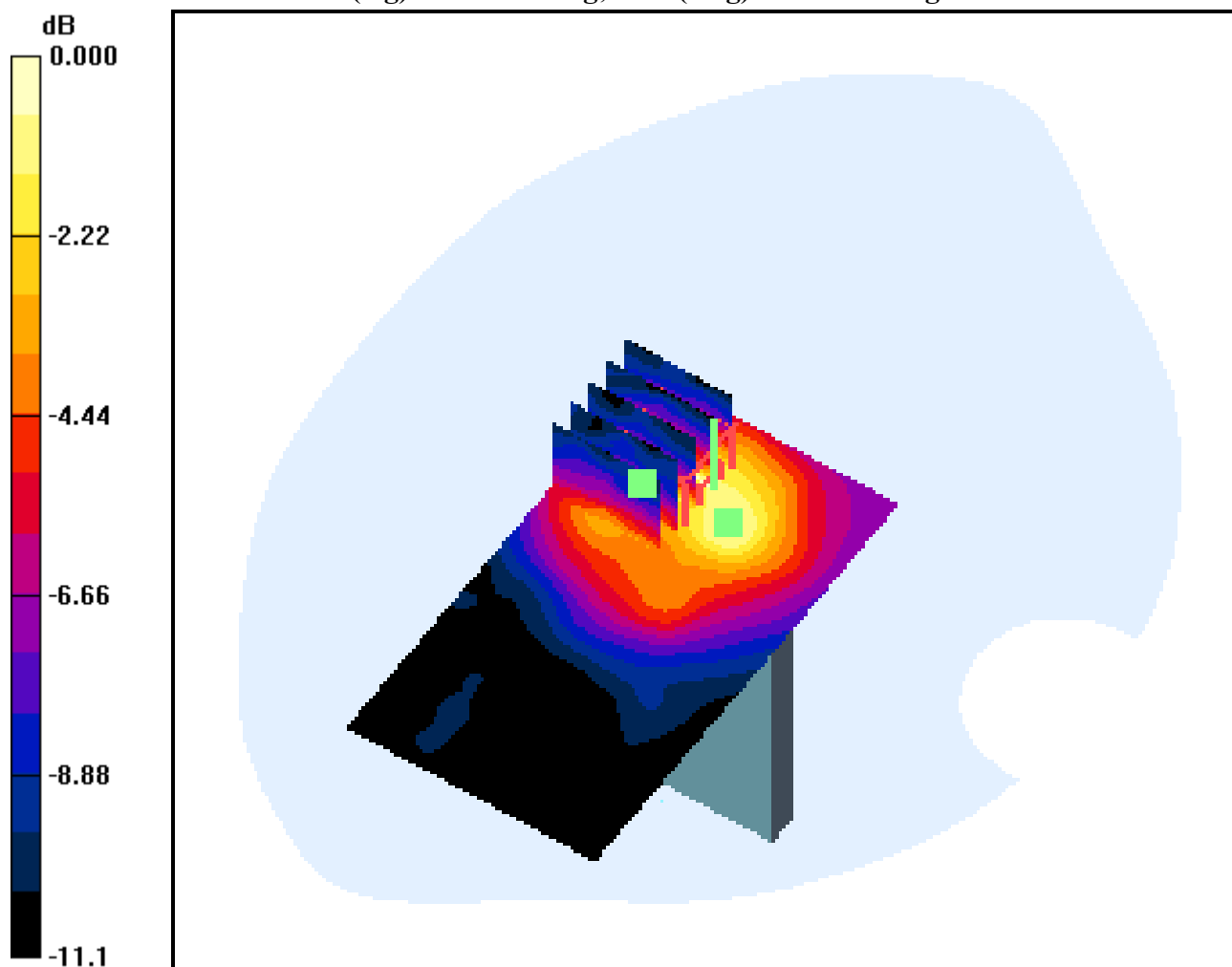
Area Scan (51x91x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

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

Power Drift = 0.070 dB

Peak SAR (extrapolated) = 0.041 W/kg

SAR(1 g) = 0.020 mW/g; SAR(10 g) = 0.010 mW/g



0 dB = 0.022mW/g

DIGITAL EMC CO., LTD

DUT: SUC-2000; Type: USB Modem

Communication System: UMTS850; Frequency: 836.4 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 836.4 \text{ MHz}$; $\sigma = 1.01 \text{ mho/m}$; $\epsilon_r = 53.6$; $\rho = 1000 \text{ kg/m}^3$

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: 2009-04-08; Ambient Temp: 22.0; Tissue Temp: 21.1

5mm from Body, Top, WCDMA(FDD V) Ch.4182, Ant Internal

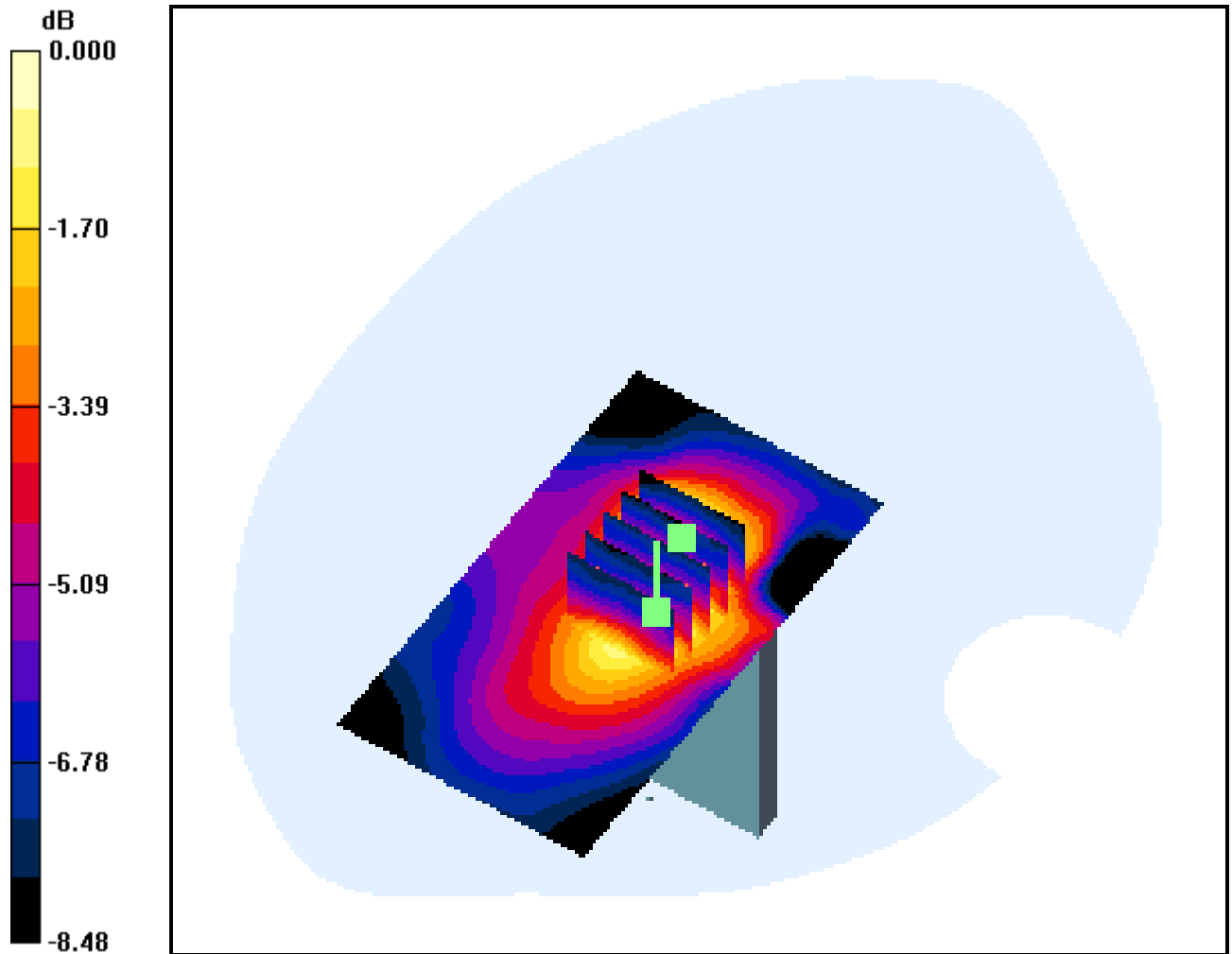
Area Scan (51x91x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

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

Power Drift = 0.125 dB

Peak SAR (extrapolated) = 0.028 W/kg

SAR(1 g) = 0.017 mW/g; SAR(10 g) = 0.011 mW/g



0 dB = 0.018mW/g

DIGITAL EMC CO., LTD

DUT: SUC-2000; Type: USB Modem

Communication System: UMTS850; Frequency: 836.4 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 836.4 \text{ MHz}$; $\sigma = 1.01 \text{ mho/m}$; $\epsilon_r = 53.6$; $\rho = 1000 \text{ kg/m}^3$

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: 2009-04-08; Ambient Temp: 22.0; Tissue Temp: 21.1

5mm from Body, Top, WCDMA(FDD V) Ch.4182, Ant Internal

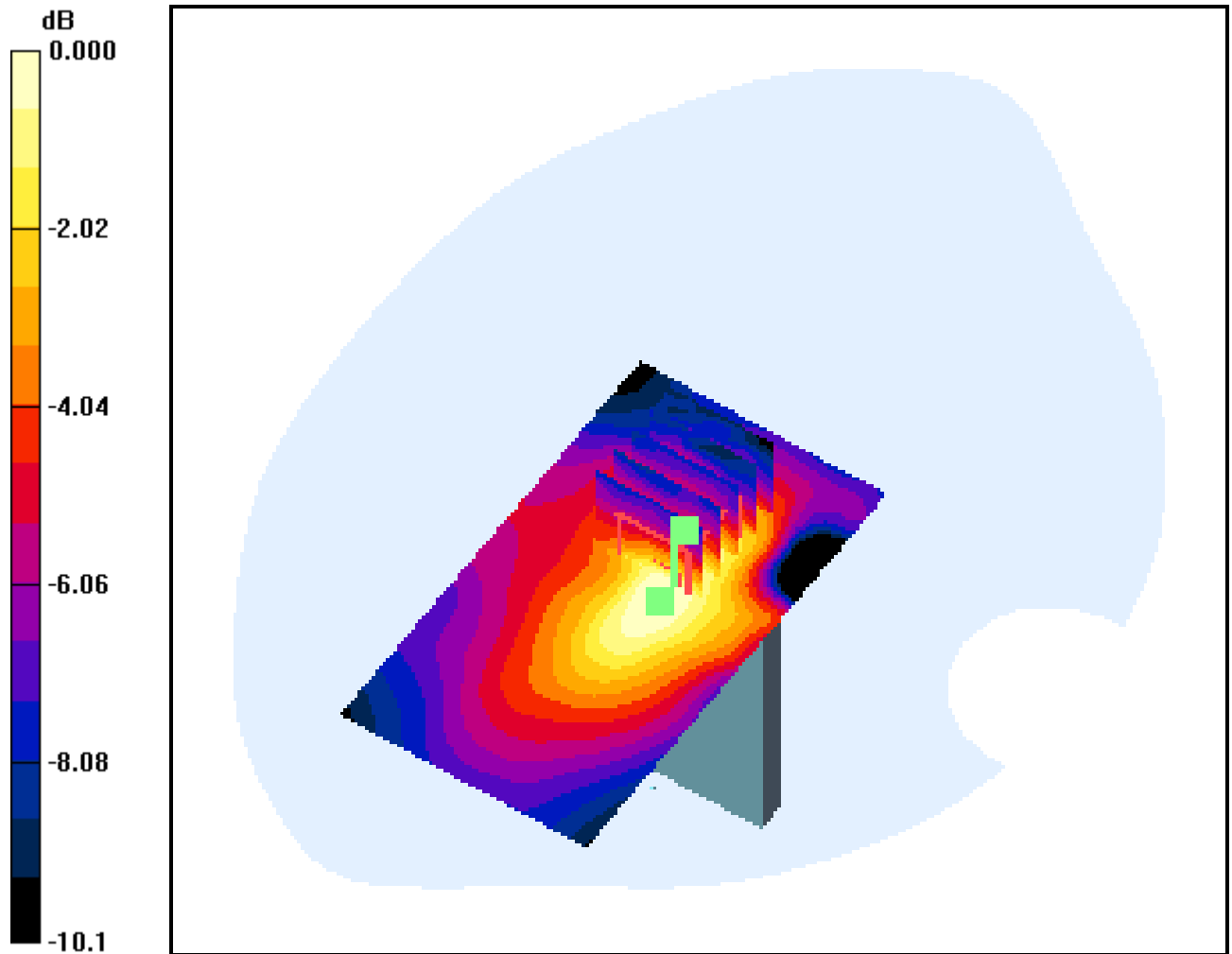
Area Scan (51x91x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

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

Power Drift = 0.125 dB

Peak SAR (extrapolated) = 0.028 W/kg

SAR(1 g) = 0.016 mW/g; SAR(10 g) = 0.010 mW/g



0 dB = 0.018mW/g

DIGITAL EMC CO., LTD

DUT: SUC-2000; Type: USB Modem

Communication System: UMTS1900; Frequency: 1880 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 1880 \text{ MHz}$; $\sigma = 1.56 \text{ mho/m}$; $\epsilon_r = 51.3$; $\rho = 1000 \text{ kg/m}^3$
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: 2009-03-30; Ambient Temp: 22.0; Tissue Temp: 21.4

5mm from Body, Horizontal Up, WCDMA(FDD II) Ch.9400, Ant Internal

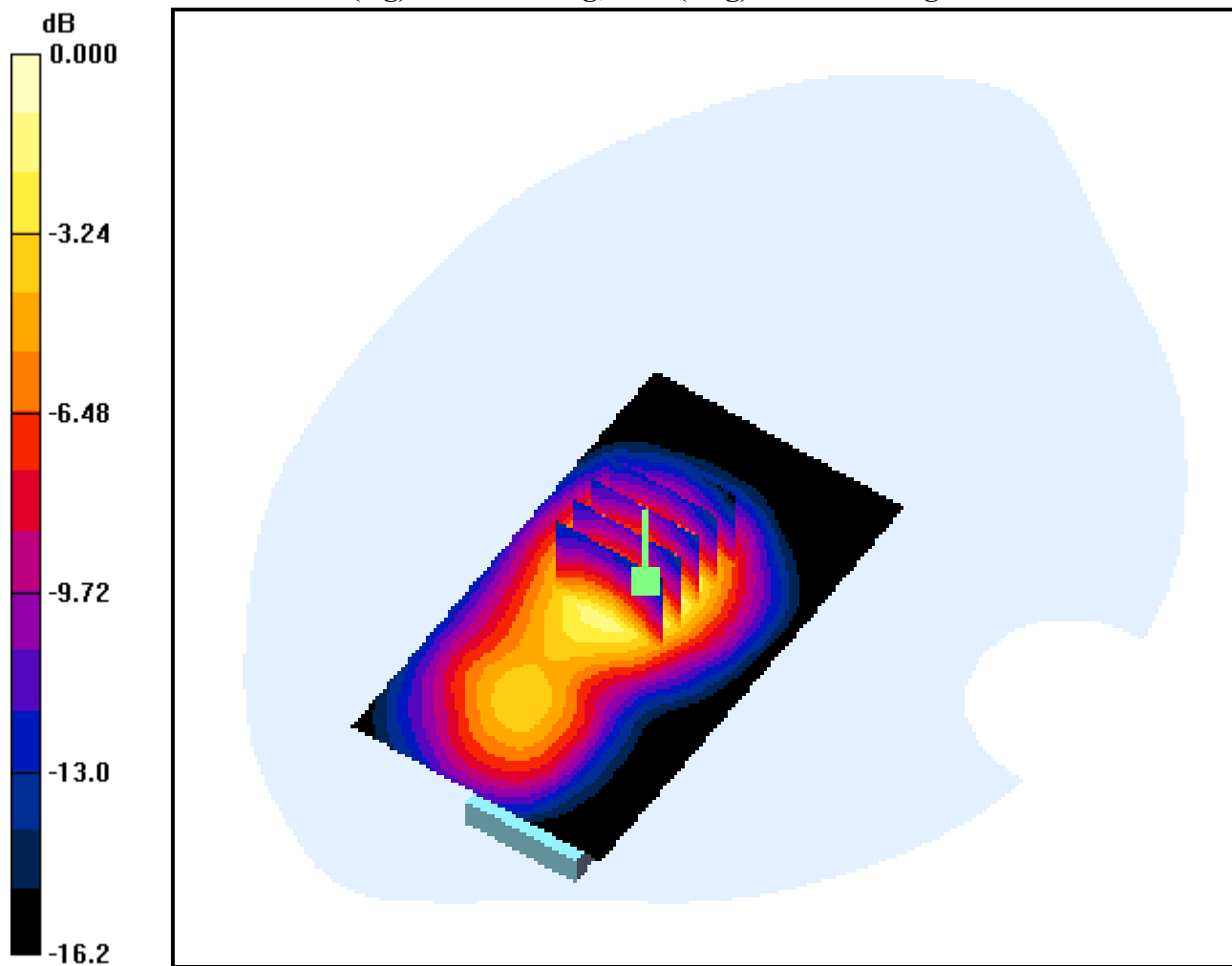
Area Scan (51x91x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

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

Power Drift = 0.000 dB

Peak SAR (extrapolated) = 0.395 W/kg

SAR(1 g) = 0.253 mW/g; SAR(10 g) = 0.148 mW/g



0 dB = 0.270mW/g

DIGITAL EMC CO., LTD

DUT: SUC-2000; Type: USB Modem

Communication System: UMTS1900; Frequency: 1880 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 1880 \text{ MHz}$; $\sigma = 1.56 \text{ mho/m}$; $\epsilon_r = 51.3$; $\rho = 1000 \text{ kg/m}^3$

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: 2009-03-30; Ambient Temp: 22.0; Tissue Temp: 21.4

5mm from Body, Horizontal Down, WCDMA(FDD II) Ch.9400, Ant Internal

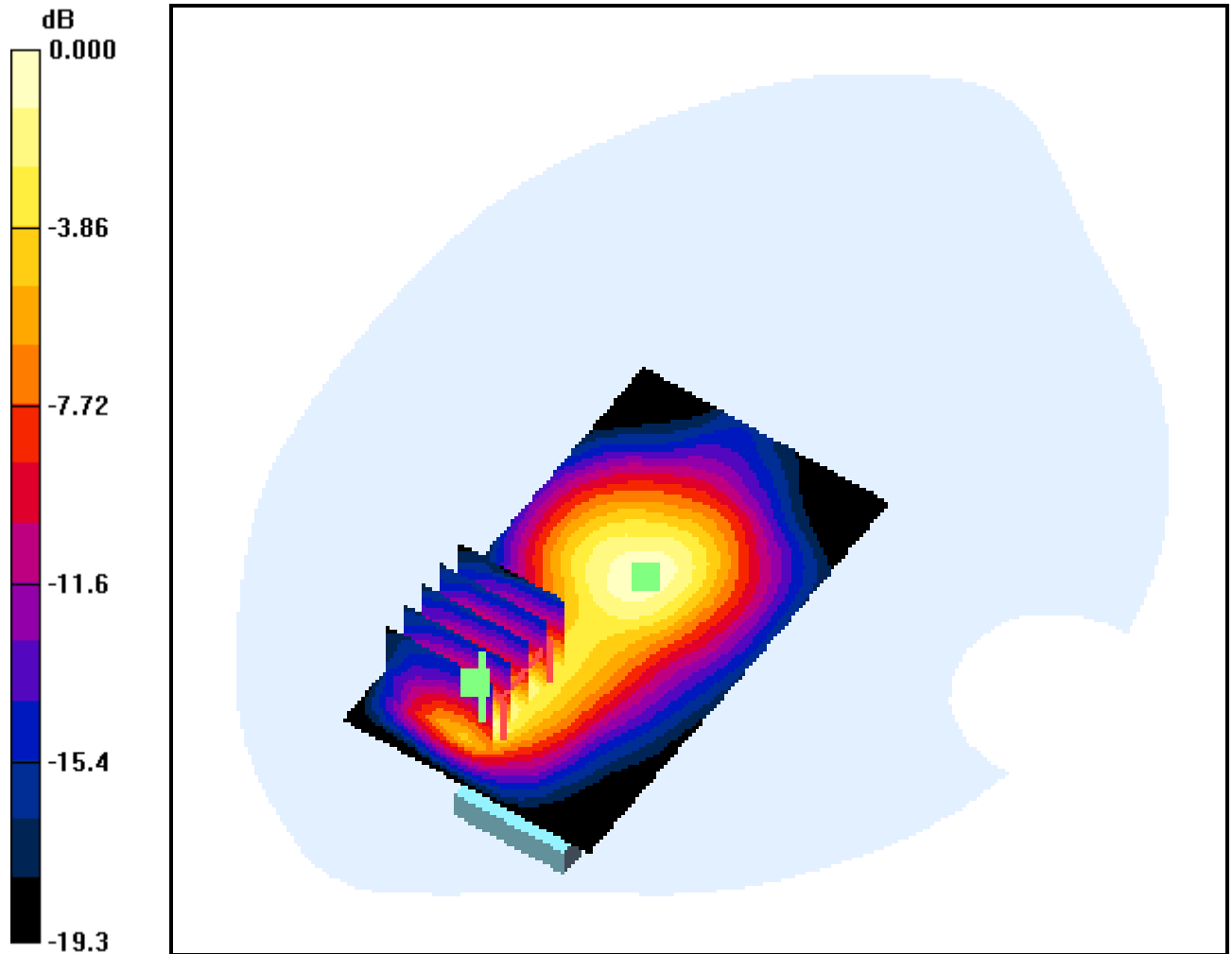
Area Scan (51x91x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

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

Power Drift = 0.241 dB

Peak SAR (extrapolated) = 0.748 W/kg

SAR(1 g) = 0.340 mW/g; SAR(10 g) = 0.170 mW/g



0 dB = 0.373mW/g

DIGITAL EMC CO., LTD

DUT: SUC-2000; Type: USB Modem

Communication System: UMTS1900; Frequency: 1880 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 1880 \text{ MHz}$; $\sigma = 1.56 \text{ mho/m}$; $\epsilon_r = 51.3$; $\rho = 1000 \text{ kg/m}^3$

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: 2009-03-30; Ambient Temp: 22.0; Tissue Temp: 21.4

5mm from Body, Horizontal Down, WCDMA(FDD II) Ch.9400, Ant Internal

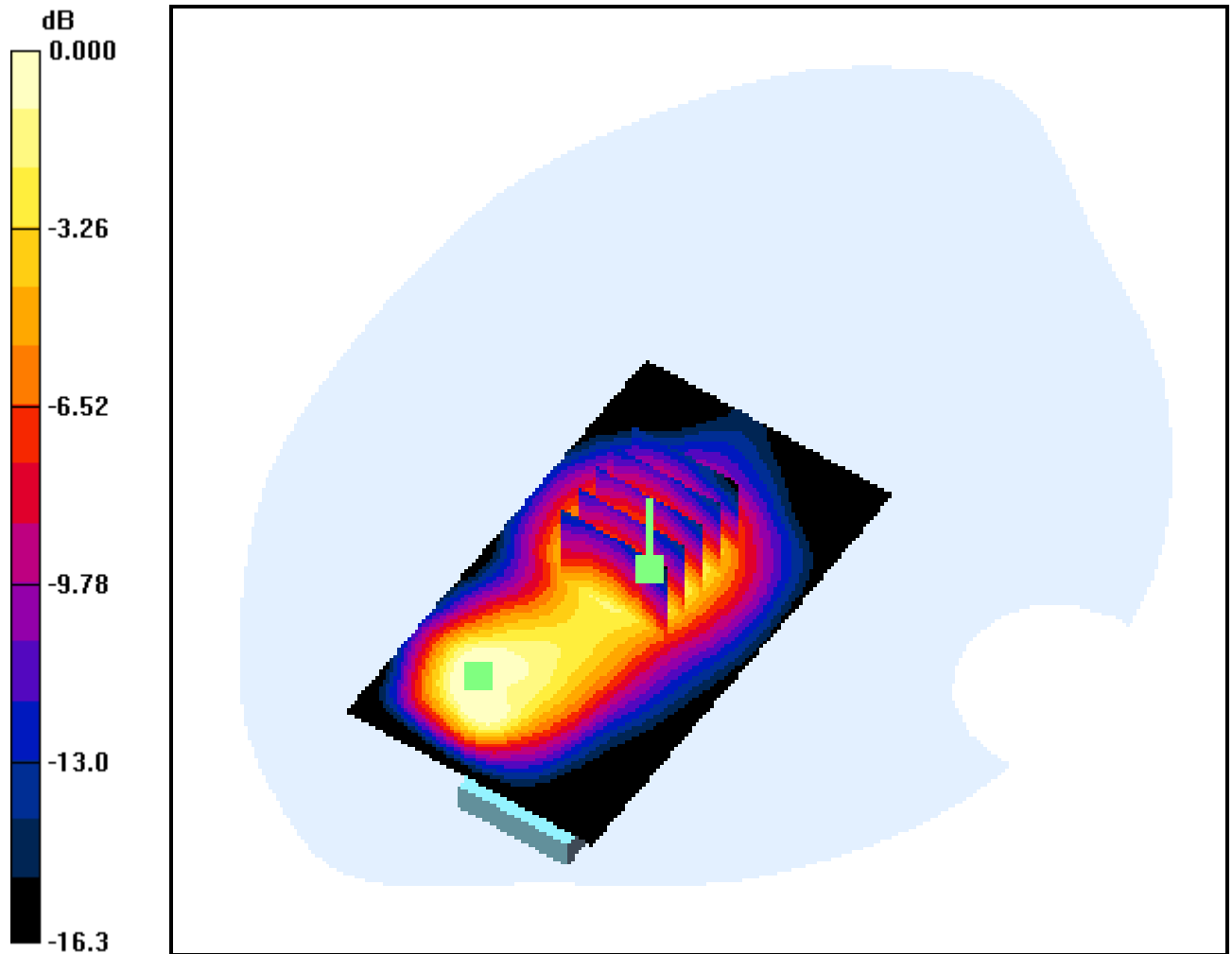
Area Scan (51x91x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

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

Power Drift = 0.241 dB

Peak SAR (extrapolated) = 0.471 W/kg

SAR(1 g) = 0.291 mW/g; SAR(10 g) = 0.171 mW/g



DIGITAL EMC CO., LTD

DUT: SUC-2000; Type: USB Modem

Communication System: UMTS1900; Frequency: 1852.4 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 1852.4 \text{ MHz}$; $\sigma = 1.54 \text{ mho/m}$; $\epsilon_r = 51.4$; $\rho = 1000 \text{ kg/m}^3$
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: 2009-03-30; Ambient Temp: 22.0; Tissue Temp: 21.4

5mm from Body, Vertical Front, WCDMA(FDD II) Ch.9262, Ant Internal

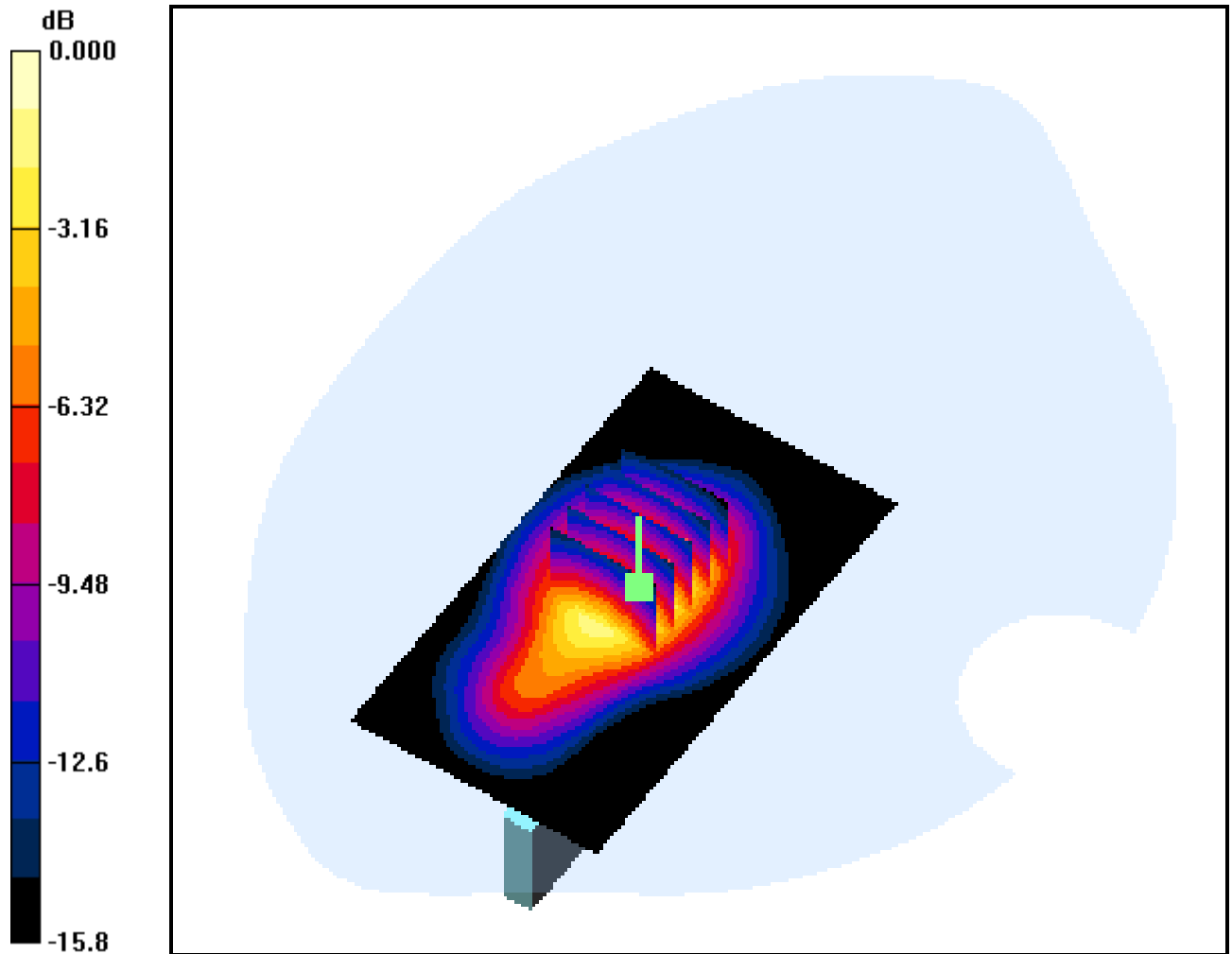
Area Scan (51x91x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

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

Power Drift = 0.040 dB

Peak SAR (extrapolated) = 1.00 W/kg

SAR(1 g) = 0.589 mW/g; SAR(10 g) = 0.329 mW/g



0 dB = 0.650mW/g

DIGITAL EMC CO., LTD

DUT: SUC-2000; Type: USB Modem

Communication System: UMTS1900; Frequency: 1880 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 1880 \text{ MHz}$; $\sigma = 1.56 \text{ mho/m}$; $\epsilon_r = 51.3$; $\rho = 1000 \text{ kg/m}^3$
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: 2009-03-30; Ambient Temp: 22.0; Tissue Temp: 21.4

5mm from Body, Vertical Front, WCDMA(FDD II) Ch.9400, Ant Internal

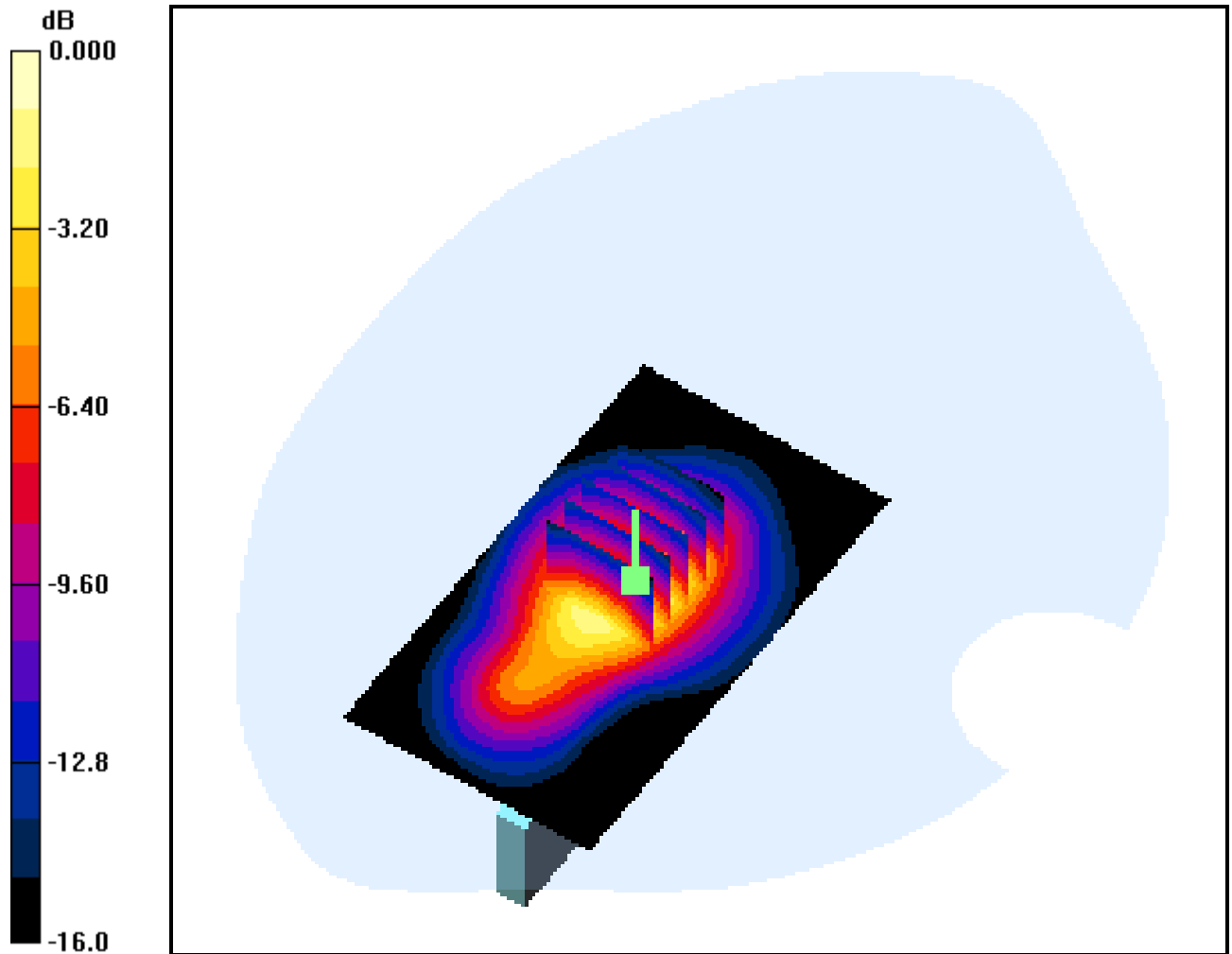
Area Scan (51x91x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

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

Power Drift = -0.169 dB

Peak SAR (extrapolated) = 0.946 W/kg

SAR(1 g) = 0.552 mW/g; SAR(10 g) = 0.307 mW/g



0 dB = 0.606mW/g

DIGITAL EMC CO., LTD

DUT: SUC-2000; Type: USB Modem

Communication System: UMTS1900; Frequency: 1907.6 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 1907.6 \text{ MHz}$; $\sigma = 1.59 \text{ mho/m}$; $\epsilon_r = 51.1$; $\rho = 1000 \text{ kg/m}^3$
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: 2009-03-30; Ambient Temp: 22.0; Tissue Temp: 21.4

5mm from Body, Vertical Front, WCDMA(FDD II) Ch.9538, Ant Internal

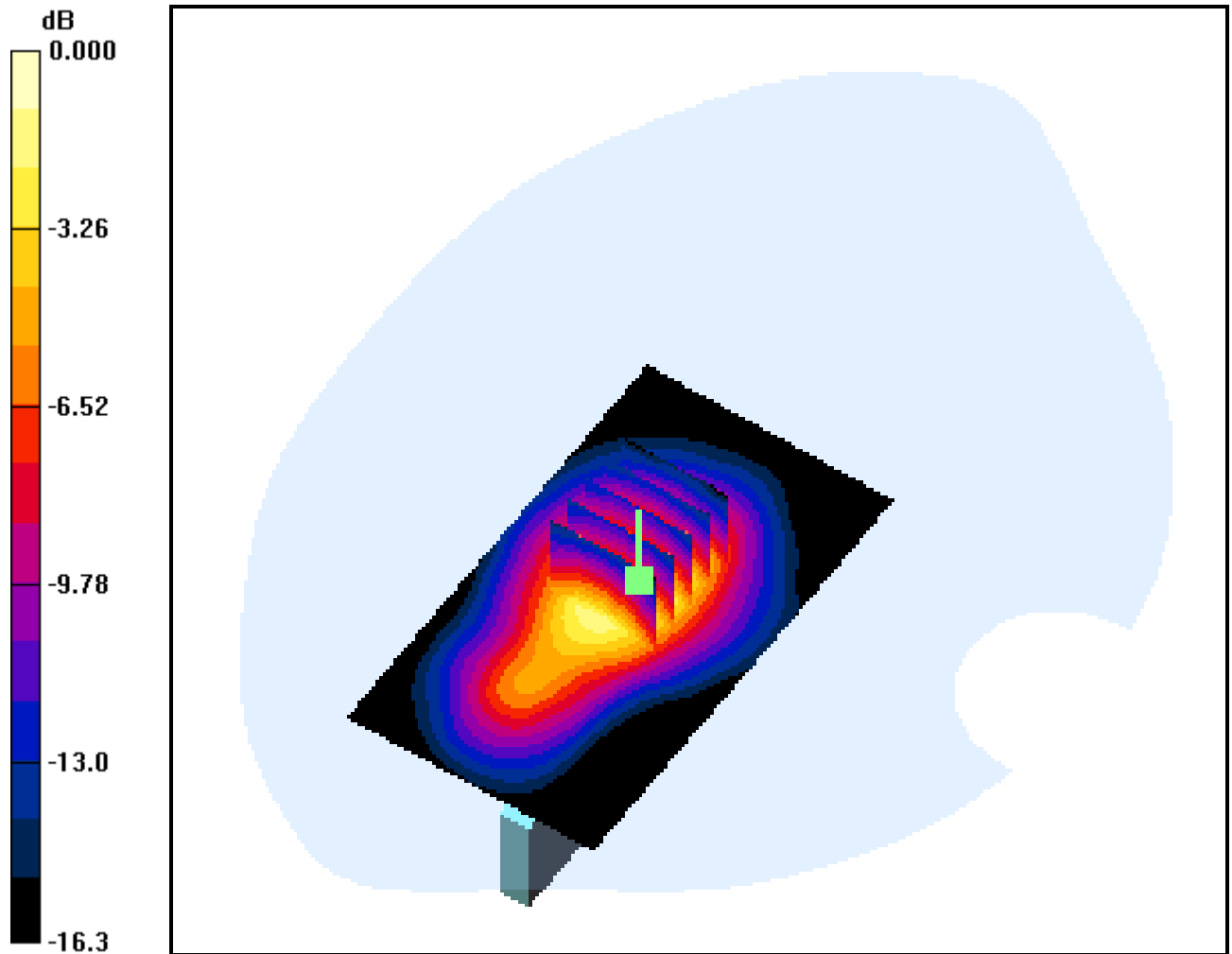
Area Scan (51x91x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

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

Power Drift = 0.142 dB

Peak SAR (extrapolated) = 0.551 W/kg

SAR(1 g) = 0.320 mW/g; SAR(10 g) = 0.177 mW/g



0 dB = 0.350mW/g

DIGITAL EMC CO., LTD

DUT: SUC-2000; Type: USB Modem

Communication System: UMTS1900; Frequency: 1880 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 1880 \text{ MHz}$; $\sigma = 1.56 \text{ mho/m}$; $\epsilon_r = 51.3$; $\rho = 1000 \text{ kg/m}^3$

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: 2009-03-30; Ambient Temp: 22.0; Tissue Temp: 21.4

5mm from Body, Vertical Back, WCDMA(FDD II) Ch.9400, Ant Internal

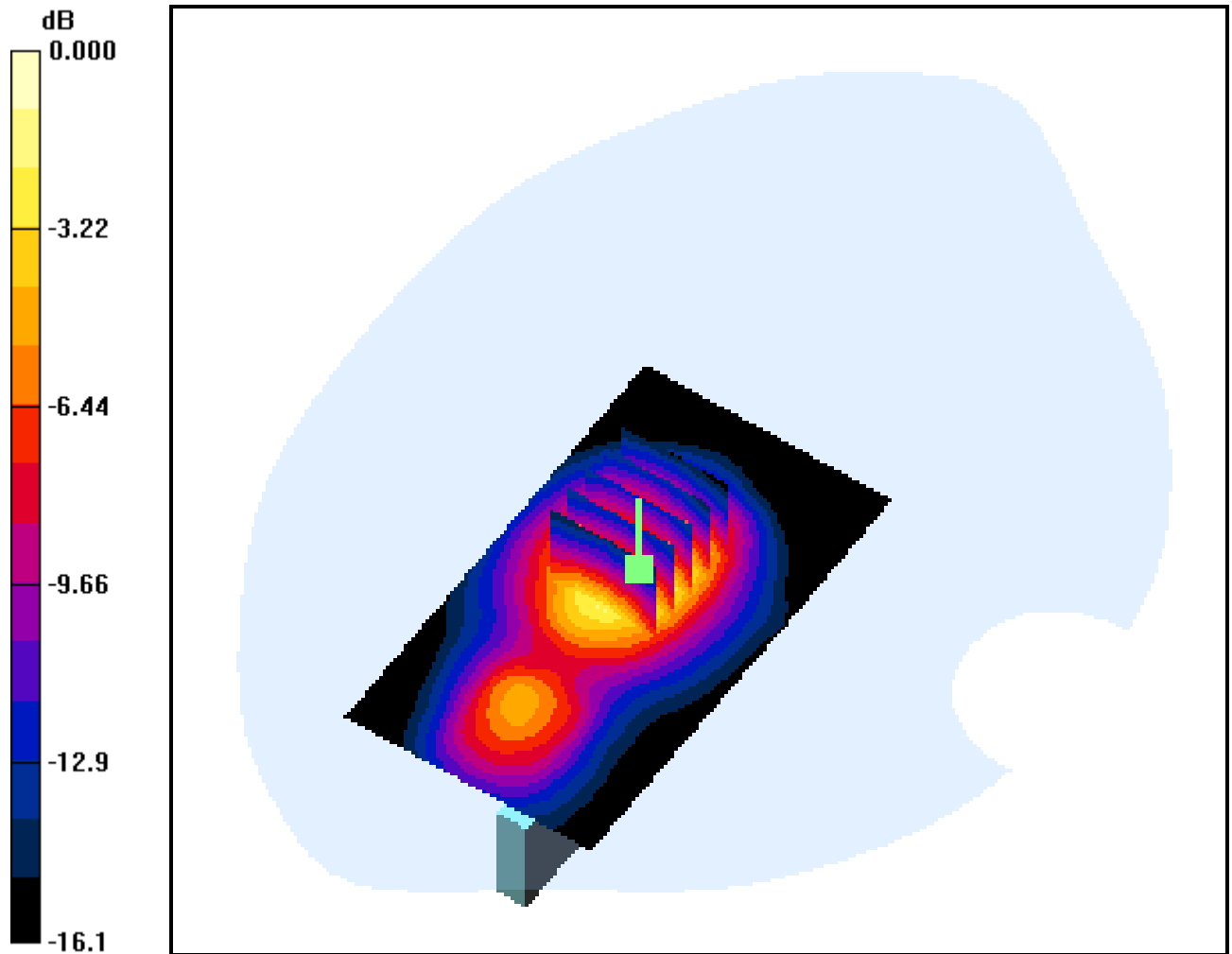
Area Scan (51x91x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

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

Power Drift = 0.079 dB

Peak SAR (extrapolated) = 0.519 W/kg

SAR(1 g) = 0.293 mW/g; SAR(10 g) = 0.159 mW/g



0 dB = 0.323mW/g

DIGITAL EMC CO., LTD

DUT: SUC-2000; Type: USB Modem

Communication System: UMTS1900; Frequency: 1880 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 1880 \text{ MHz}$; $\sigma = 1.56 \text{ mho/m}$; $\epsilon_r = 51.3$; $\rho = 1000 \text{ kg/m}^3$
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: 2009-03-30; Ambient Temp: 22.0; Tissue Temp: 21.4

5mm from Body, Bottom, WCDMA(FDD II) Ch.9400, Ant Internal

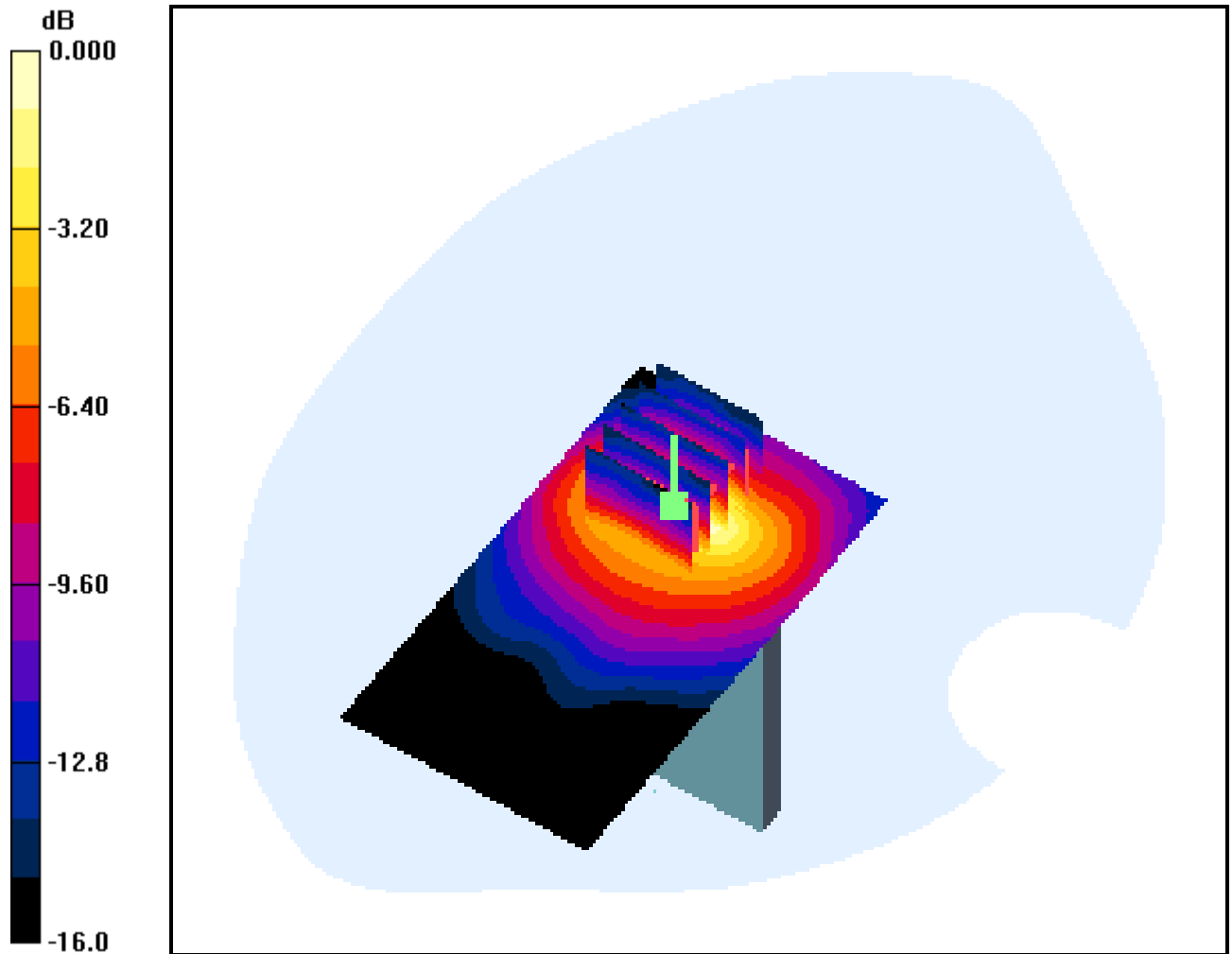
Area Scan (51x91x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

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

Power Drift = 0.233 dB

Peak SAR (extrapolated) = 0.300 W/kg

SAR(1 g) = 0.149 mW/g; SAR(10 g) = 0.071 mW/g



0 dB = 0.154mW/g

DIGITAL EMC CO., LTD

DUT: SUC-2000; Type: USB Modem

Communication System: UMTS1900; Frequency: 1880 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 1880 \text{ MHz}$; $\sigma = 1.56 \text{ mho/m}$; $\epsilon_r = 51.3$; $\rho = 1000 \text{ kg/m}^3$
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: 2009-03-30; Ambient Temp: 22.0; Tissue Temp: 21.4

5mm from Body, Top, WCDMA(FDD II) Ch.9400, Ant Internal

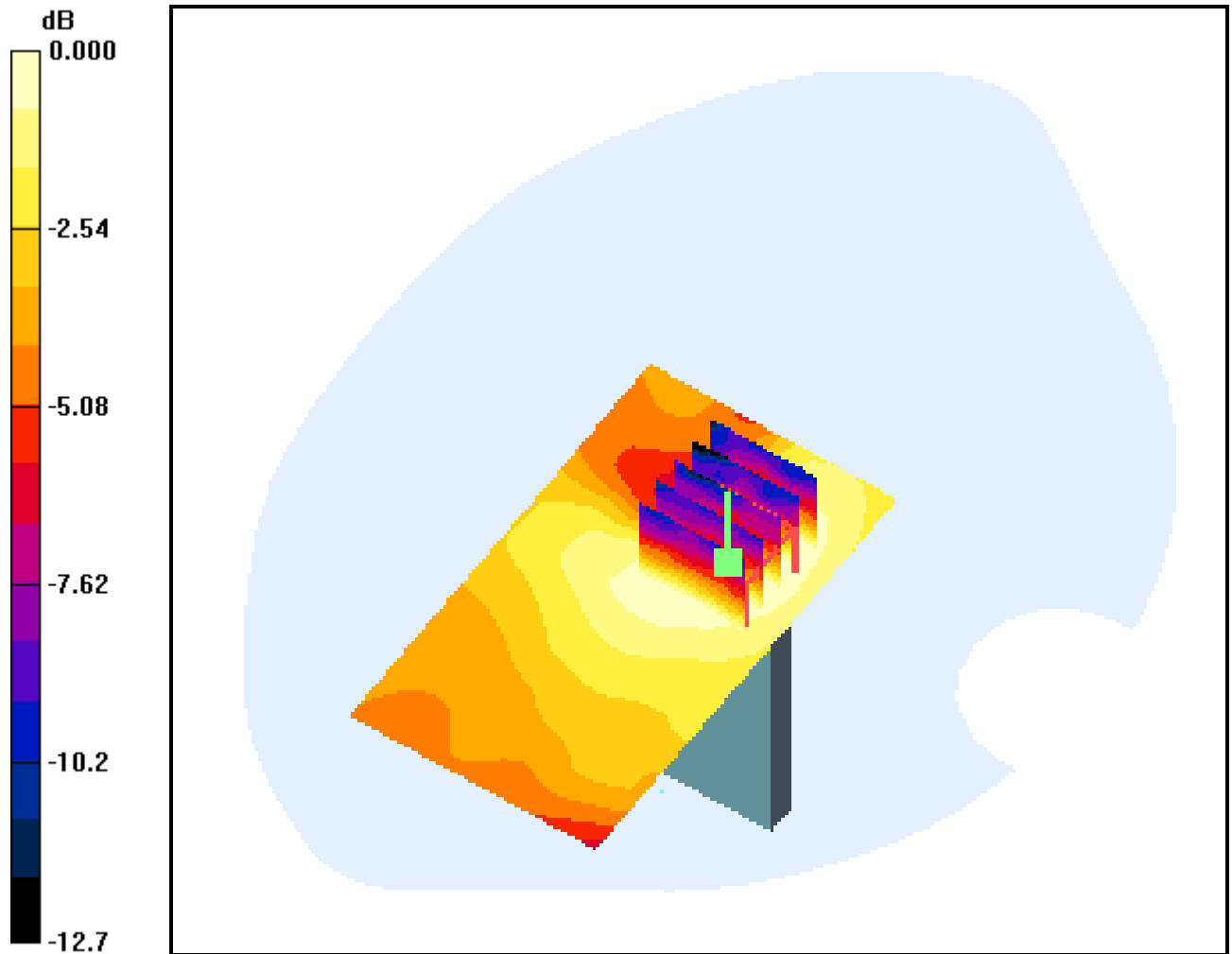
Area Scan (51x91x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

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

Power Drift = -0.054 dB

Peak SAR (extrapolated) = 0.049 W/kg

SAR(1 g) = 0.032 mW/g; SAR(10 g) = 0.021 mW/g



0 dB = 0.034mW/g

DIGITAL EMC CO., LTD

DUT: SUC-2000; Type: USB Modem

Communication System: GSM 850; Frequency: 836.6 MHz; Duty Cycle: 1:2.075

Medium parameters used: $f = 836.6 \text{ MHz}$; $\sigma = 1.01 \text{ mho/m}$; $\epsilon_r = 53.7$; $\rho = 1000 \text{ kg/m}^3$

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: 2009-04-08; Ambient Temp: 22.0; Tissue Temp: 21.1

5mm from Body, Horizontal Down, GSM850 Ch.190, GPRS Class 12 Mode

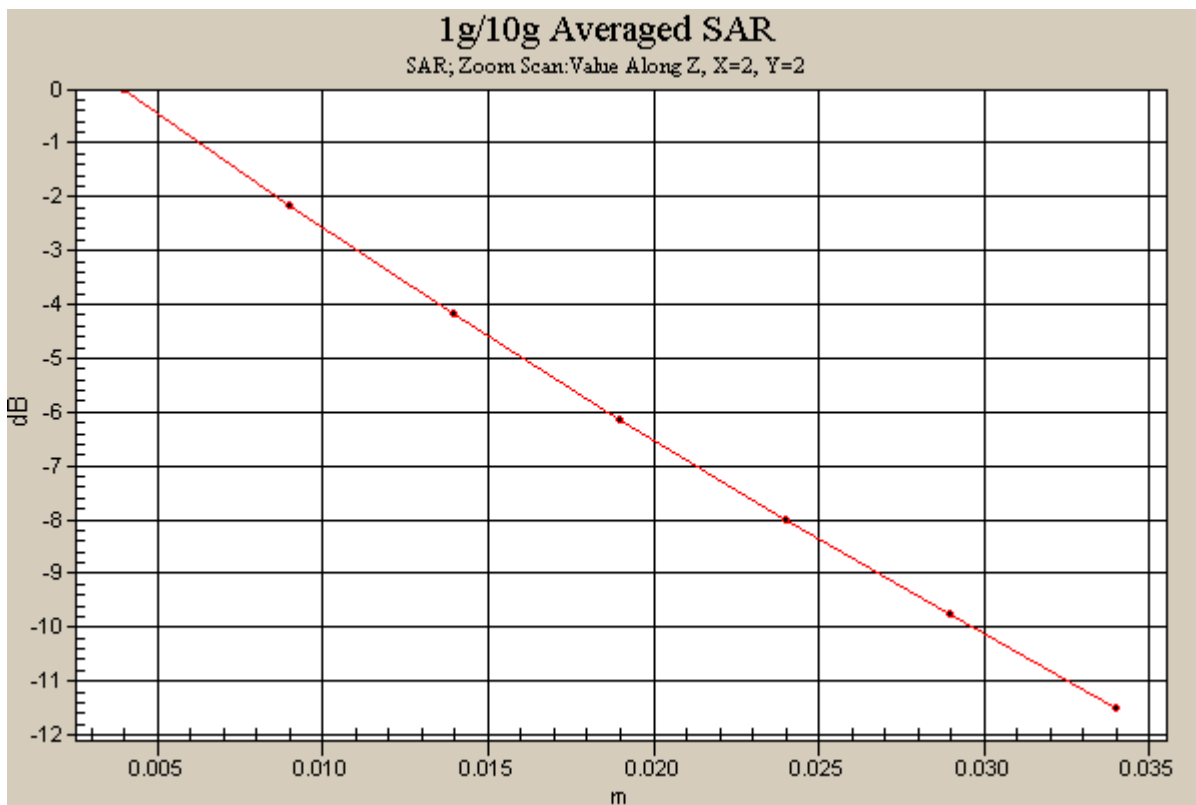
Area Scan (51x91x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

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

Power Drift = -0.035 dB

Peak SAR (extrapolated) = 1.57 W/kg

SAR(1 g) = 0.837 mW/g; SAR(10 g) = 0.502 mW/g



DIGITAL EMC CO., LTD

DUT: SUC-2000; Type: USB Modem

Communication System: PCS1900; Frequency: 1850.2 MHz; Duty Cycle: 1:2.075
Medium parameters used: $f = 1850.2 \text{ MHz}$; $\sigma = 1.54 \text{ mho/m}$; $\epsilon_r = 51.5$; $\rho = 1000 \text{ kg/m}^3$
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: 2009-03-30; Ambient Temp: 22.0; Tissue Temp: 21.4

5mm from Body, Vertical Front, PCS1900 Ch.512, GPRS Class 12 Mode

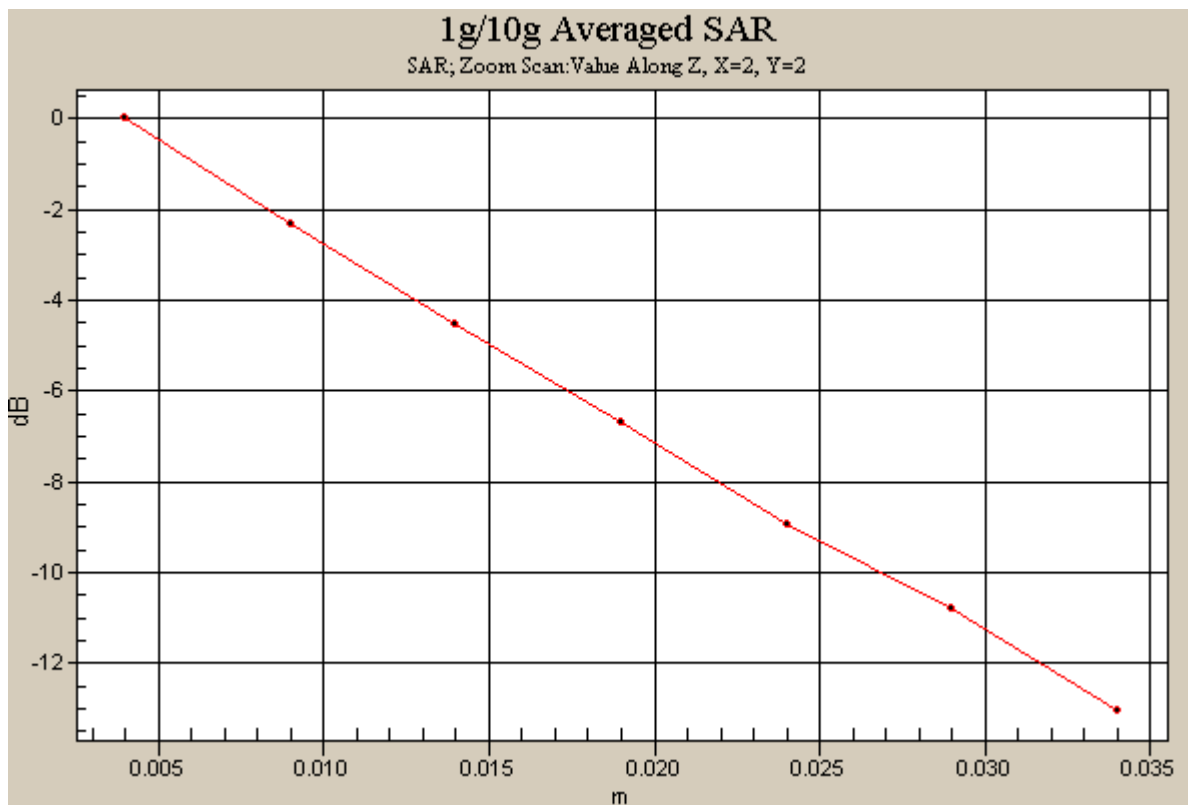
Area Scan (51x91x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

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

Power Drift = 0.056 dB

Peak SAR (extrapolated) = 1.53 W/kg

SAR(1 g) = 0.869 mW/g; SAR(10 g) = 0.475 mW/g



DIGITAL EMC CO., LTD

DUT: SUC-2000; Type: USB Modem

Communication System: UMTS850; Frequency: 826.4 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 826.4 \text{ MHz}$; $\sigma = 0.998 \text{ mho/m}$; $\epsilon_r = 53.8$; $\rho = 1000 \text{ kg/m}^3$

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: 2009-04-08; Ambient Temp: 22.0; Tissue Temp: 21.1

5mm from Body, Horizontal Up, WCDMA(FDD V) Ch.4132, Ant Internal

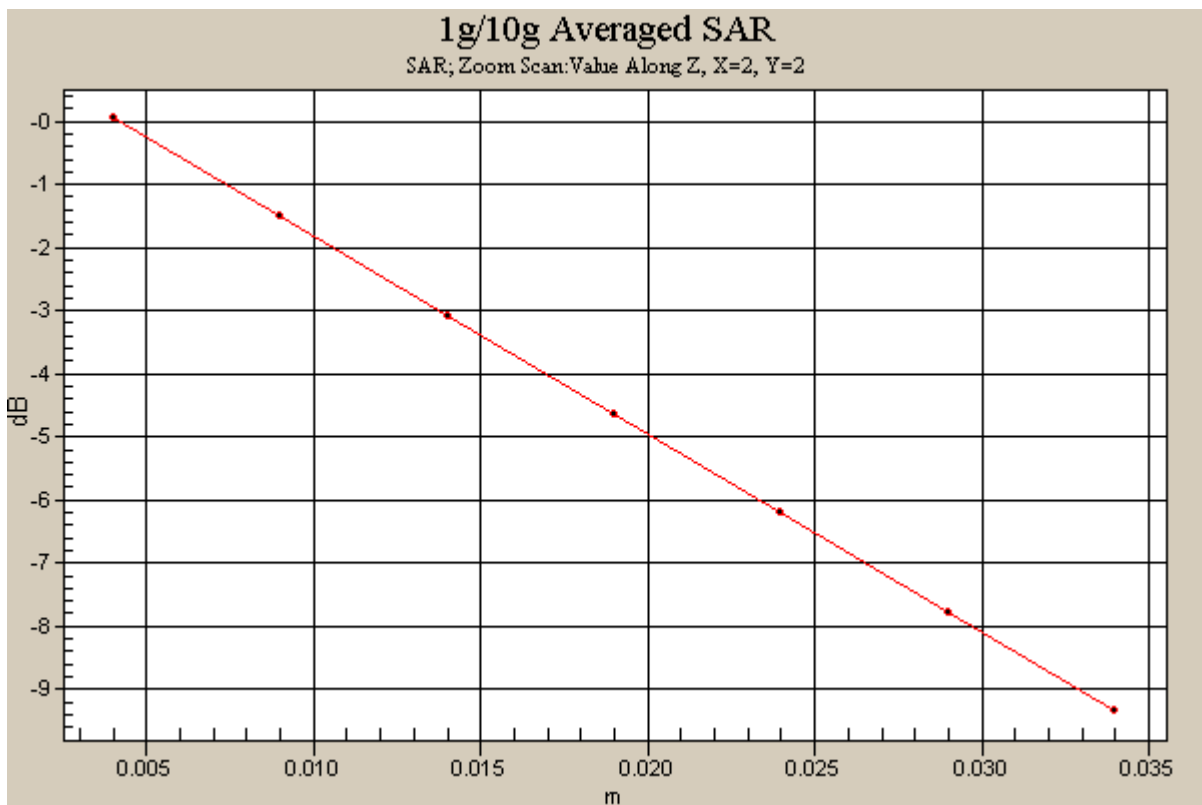
Area Scan (51x91x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

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

Power Drift = -0.050 dB

Peak SAR (extrapolated) = 0.721 W/kg

SAR(1 g) = 0.478 mW/g; SAR(10 g) = 0.310 mW/g



DIGITAL EMC CO., LTD

DUT: SUC-2000; Type: USB Modem

Communication System: UMTS1900; Frequency: 1852.4 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 1852.4$ MHz; $\sigma = 1.54$ mho/m; $\epsilon_r = 51.4$; $\rho = 1000$ 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: 2009-03-30; Ambient Temp: 22.0; Tissue Temp: 21.4

5mm from Body, Vertical Front, WCDMA(FDD II) Ch.9262, 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 = 0.040 dB

Peak SAR (extrapolated) = 1.00 W/kg

SAR(1 g) = 0.589 mW/g; SAR(10 g) = 0.329 mW/g

