

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: $f = 835 \text{ MHz}$; $\sigma = 0.941 \text{ mho/m}$; $\epsilon_r = 53.9$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

DASY4 Configuration:

Probe: EX3DV4 - SN3643; ConvF(9.31, 9.31, 9.31); Calibrated: 2010-01-26; Electronics: DAE3 Sn520

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

Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Test Date: 2010-08-30; Ambient Temp: 22.0; Tissue Temp: 22.5

Dipole Validation

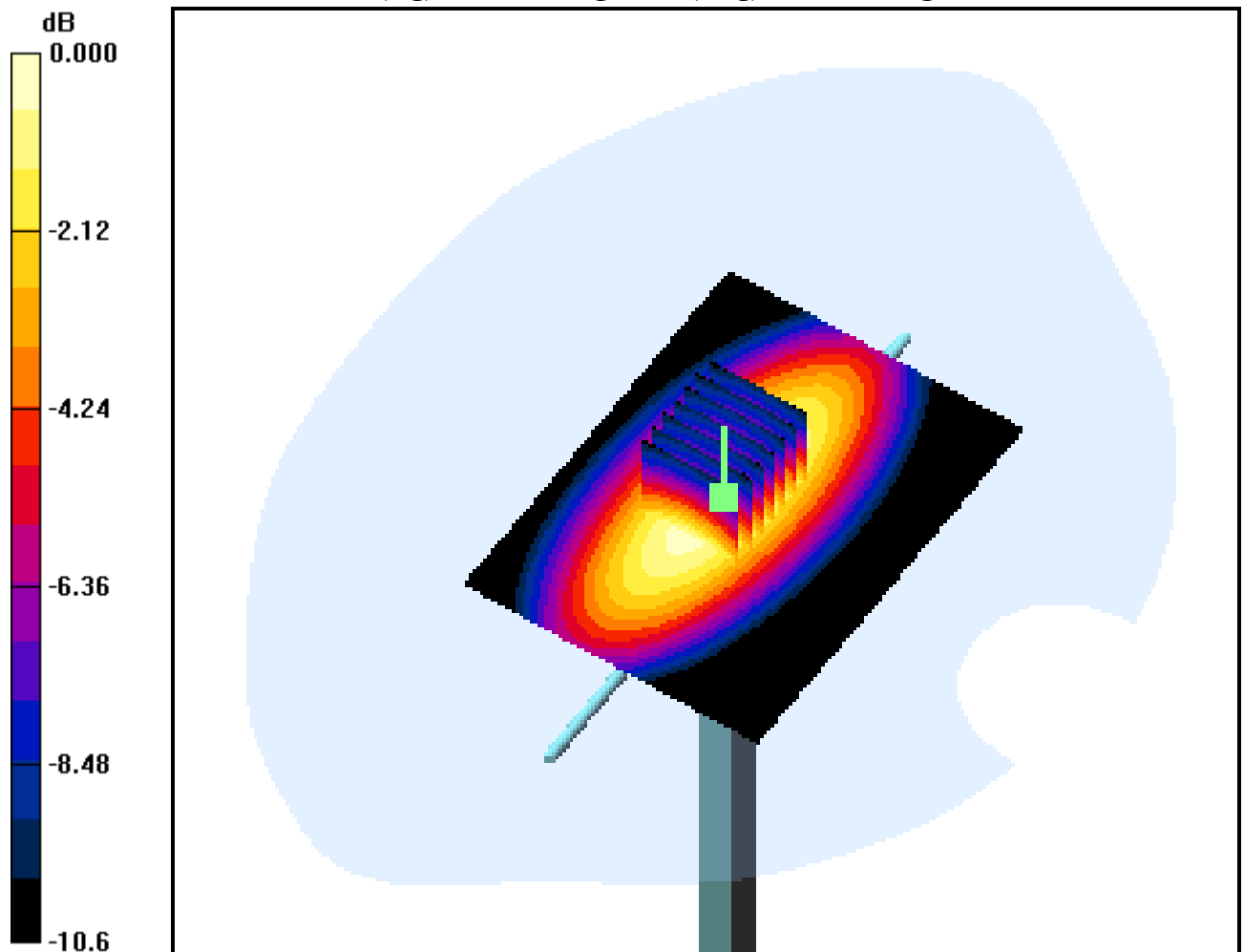
Area Scan (61x81x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

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

Power Drift = -0.139 dB

Peak SAR (extrapolated) = 3.43 W/kg

SAR(1 g) = 2.25 mW/g; SAR(10 g) = 1.47 mW/g



0 dB = 2.76mW/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: $f = 1900 \text{ MHz}$; $\sigma = 1.57 \text{ mho/m}$; $\epsilon_r = 53.9$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

DASY4 Configuration:

Probe: EX3DV4 - SN3643; ConvF(7.59, 7.59, 7.59); Calibrated: 2010-01-26; Electronics: DAE3 Sn520

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

Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Test Date: 2010-08-31; Ambient Temp: 22.0; Tissue Temp: 23.0

Dipole Validation

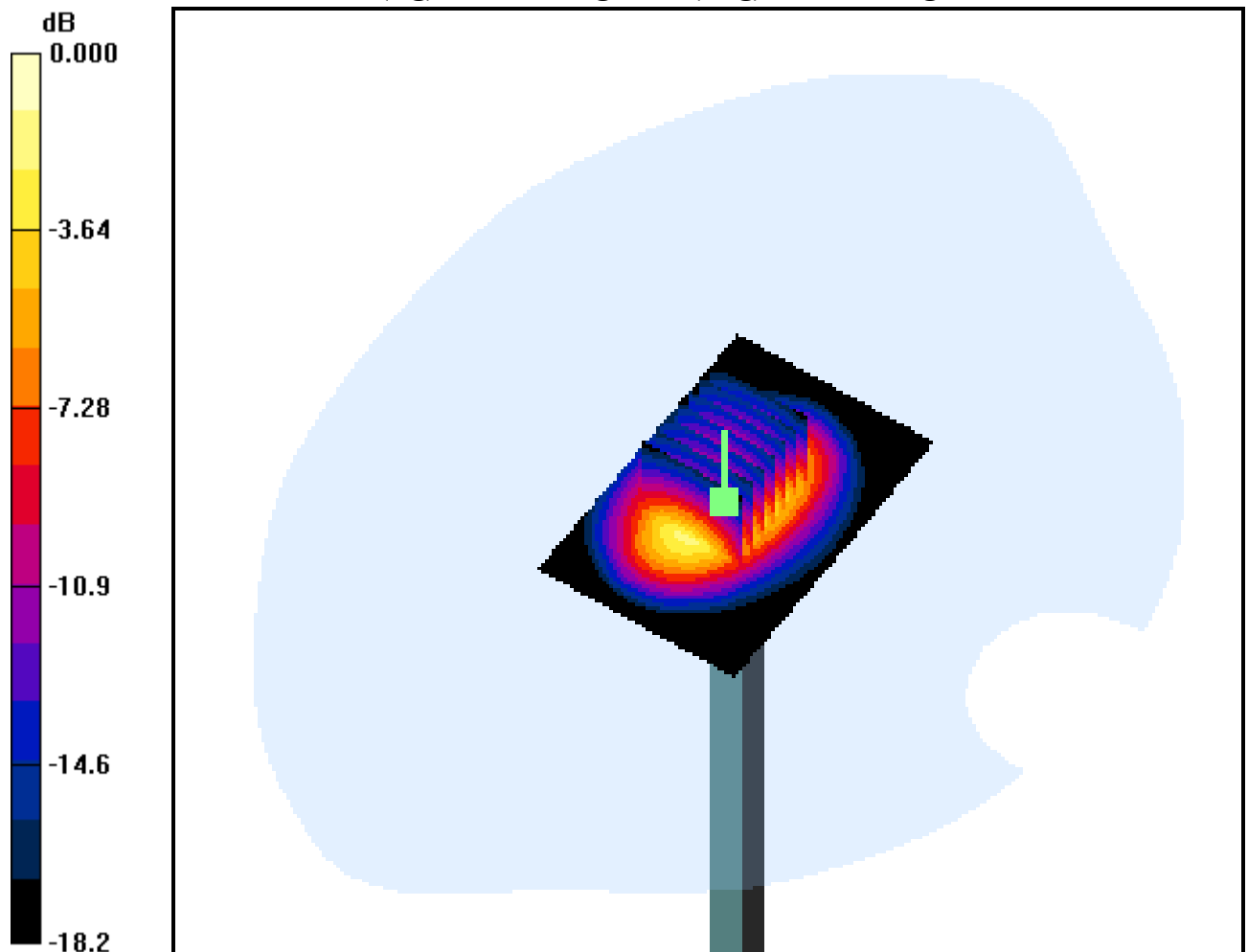
Area Scan (61x91x1): Measurement grid: $dx=10\text{mm}$, $dy=10\text{mm}$

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

Power Drift = 0.056 dB

Peak SAR (extrapolated) = 20.7 W/kg

SAR(1 g) = 10.7 mW/g; SAR(10 g) = 5.39 mW/g



0 dB = 14.8mW/g

DIGITAL EMC CO., LTD

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

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

Medium parameters used: $f = 2450$ MHz; $\sigma = 2.1$ mho/m; $\epsilon_r = 53.5$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY4 Configuration:

Probe: EX3DV4 - SN3643; ConvF(7.41, 7.41, 7.41); Calibrated: 2010-01-26; Electronics: DAE3 Sn520

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

Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Test Date: 2010-09-02; Ambient Temp: 22.5; Tissue Temp: 23.0

Dipole Validation

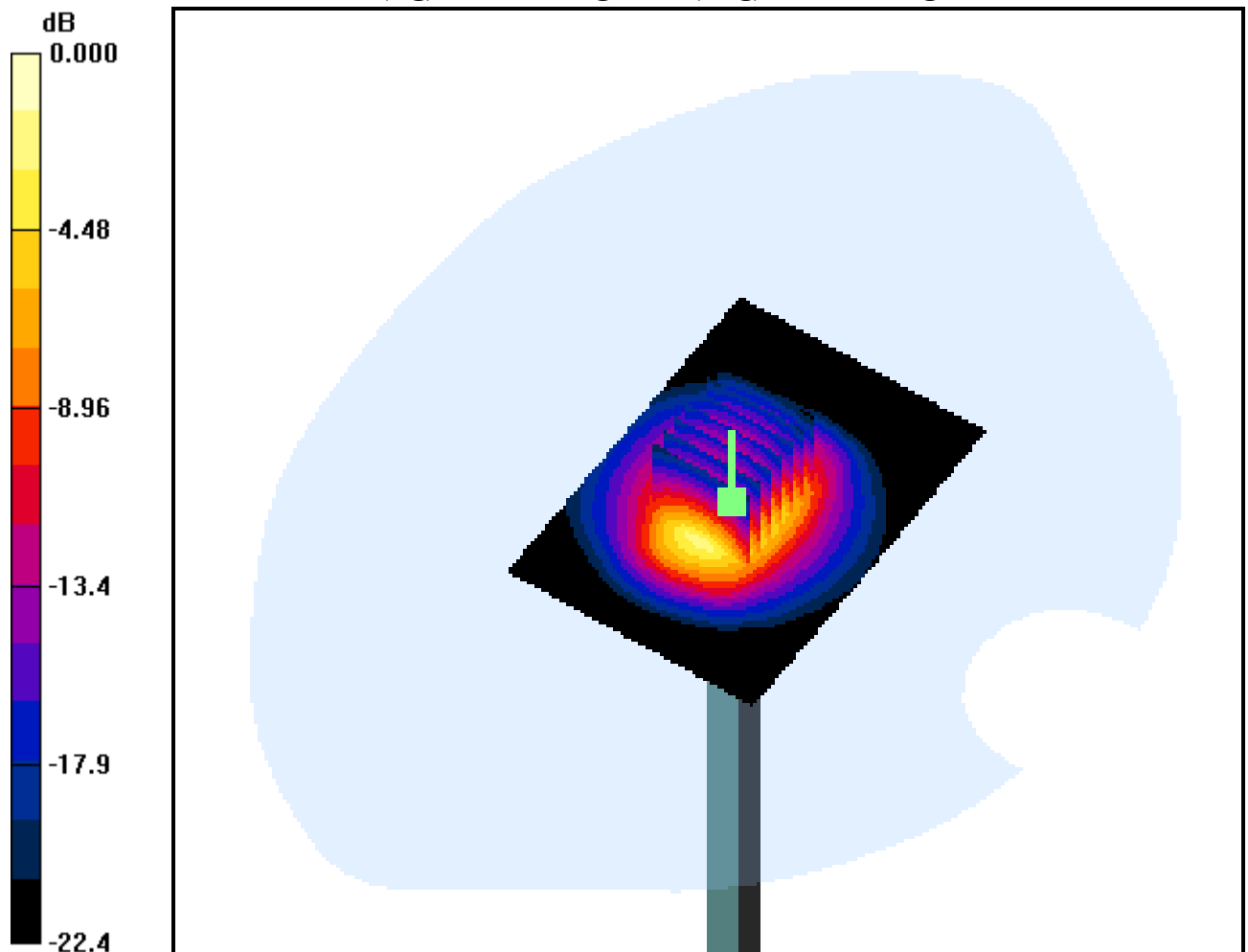
Area Scan (51x71x1): Measurement grid: dx=15mm, dy=15mm

Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Power Drift = -0.053 dB

Peak SAR (extrapolated) = 26.6 W/kg

SAR(1 g) = 12.7 mW/g; SAR(10 g) = 5.87 mW/g



0 dB = 18.1mW/g

DIGITAL EMC CO., LTD

DUT: SER-8189; Type: USB Modem

Communication System: FCC CDMA; Frequency: 836.52 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 836.667$ MHz; $\sigma = 0.943$ mho/m; $\epsilon_r = 53.9$; $\rho = 1000$ kg/m³
Phantom section: Flat Section

DASY4 Configuration:

Probe: EX3DV4 - SN3643; ConvF(9.31, 9.31, 9.31); Calibrated: 2010-01-26; Electronics: DAE3 Sn520
Phantom: SAM with 835MHz; Type: SAM; Serial: TP-1223
Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Test Date: 2010-08-30; Ambient Temp: 22.0; Tissue Temp: 22.5

1cm space from Body, Top, CDMA Cellular Ch. 384, Ant Internal

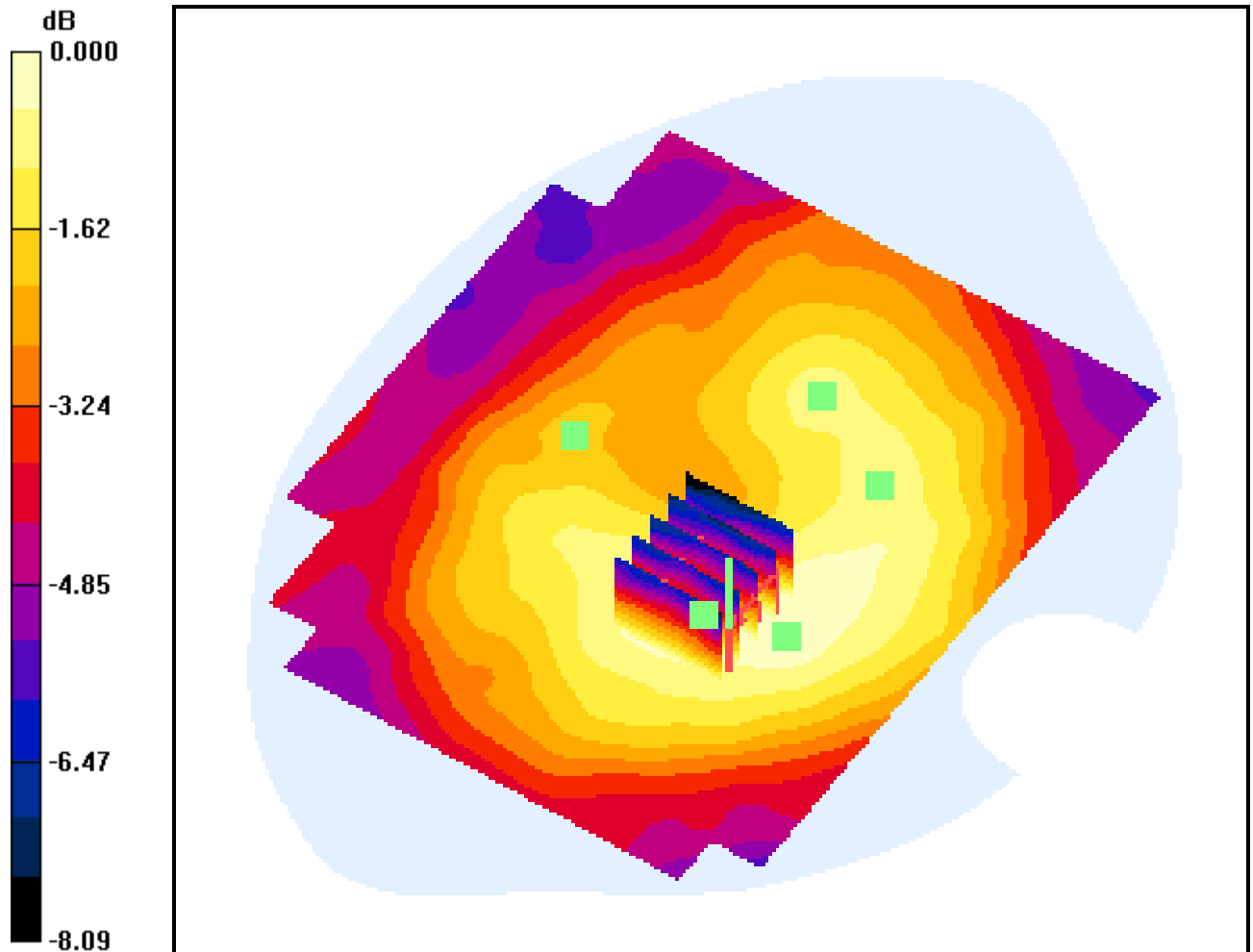
Area Scan (111x131x1): Measurement grid: dx=15mm, dy=15mm

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

Power Drift = 0.170 dB

Peak SAR (extrapolated) = 0.025 W/kg

SAR(1 g) = 0.019 mW/g; SAR(10 g) = 0.014 mW/g



0 dB = 0.022mW/g

DIGITAL EMC CO., LTD

DUT: SER-8189; Type: USB Modem

Communication System: FCC CDMA; Frequency: 836.52 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 836.667$ MHz; $\sigma = 0.943$ mho/m; $\epsilon_r = 53.9$; $\rho = 1000$ kg/m³
Phantom section: Flat Section

DASY4 Configuration:

Probe: EX3DV4 - SN3643; ConvF(9.31, 9.31, 9.31); Calibrated: 2010-01-26; Electronics: DAE3 Sn520
Phantom: SAM with 835MHz; Type: SAM; Serial: TP-1223
Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Test Date: 2010-08-30; Ambient Temp: 22.0; Tissue Temp: 22.5

1cm space from Body, Top, CDMA Cellular Ch. 384, Ant Internal

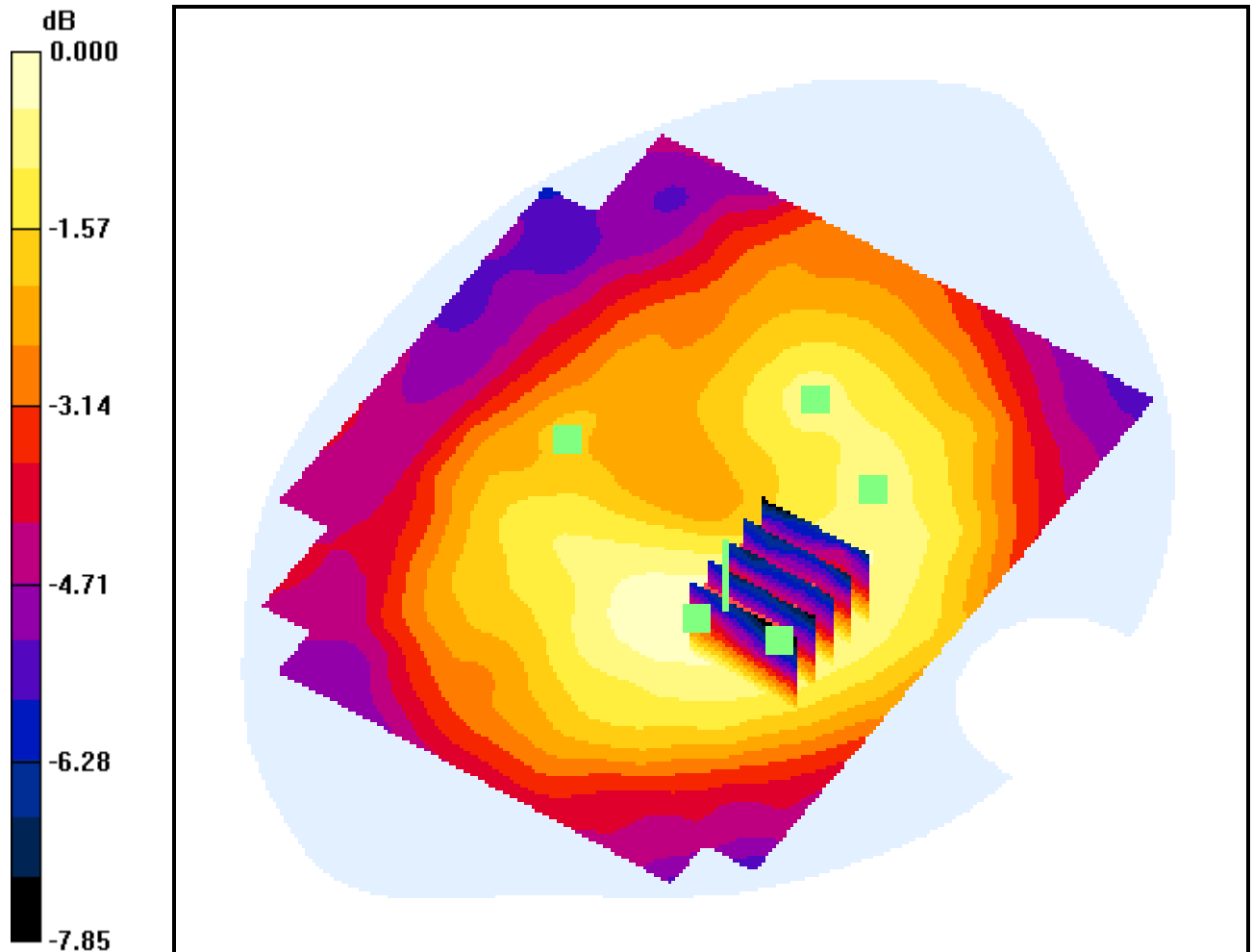
Area Scan (111x131x1): Measurement grid: dx=15mm, dy=15mm

Zoom Scan (5x5x7)/Cube 1: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Power Drift = 0.170 dB

Peak SAR (extrapolated) = 0.025 W/kg

SAR(1 g) = 0.018 mW/g; SAR(10 g) = 0.014 mW/g



0 dB = 0.022mW/g

DIGITAL EMC CO., LTD

DUT: SER-8189; Type: USB Modem

Communication System: FCC CDMA; Frequency: 836.52 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 836.667$ MHz; $\sigma = 0.943$ mho/m; $\epsilon_r = 53.9$; $\rho = 1000$ kg/m³
Phantom section: Flat Section

DASY4 Configuration:

Probe: EX3DV4 - SN3643; ConvF(9.31, 9.31, 9.31); Calibrated: 2010-01-26; Electronics: DAE3 Sn520
Phantom: SAM with 835MHz; Type: SAM; Serial: TP-1223
Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Test Date: 2010-08-30; Ambient Temp: 22.0; Tissue Temp: 22.5

1cm space from Body, Top, CDMA Cellular Ch. 384, Ant Internal

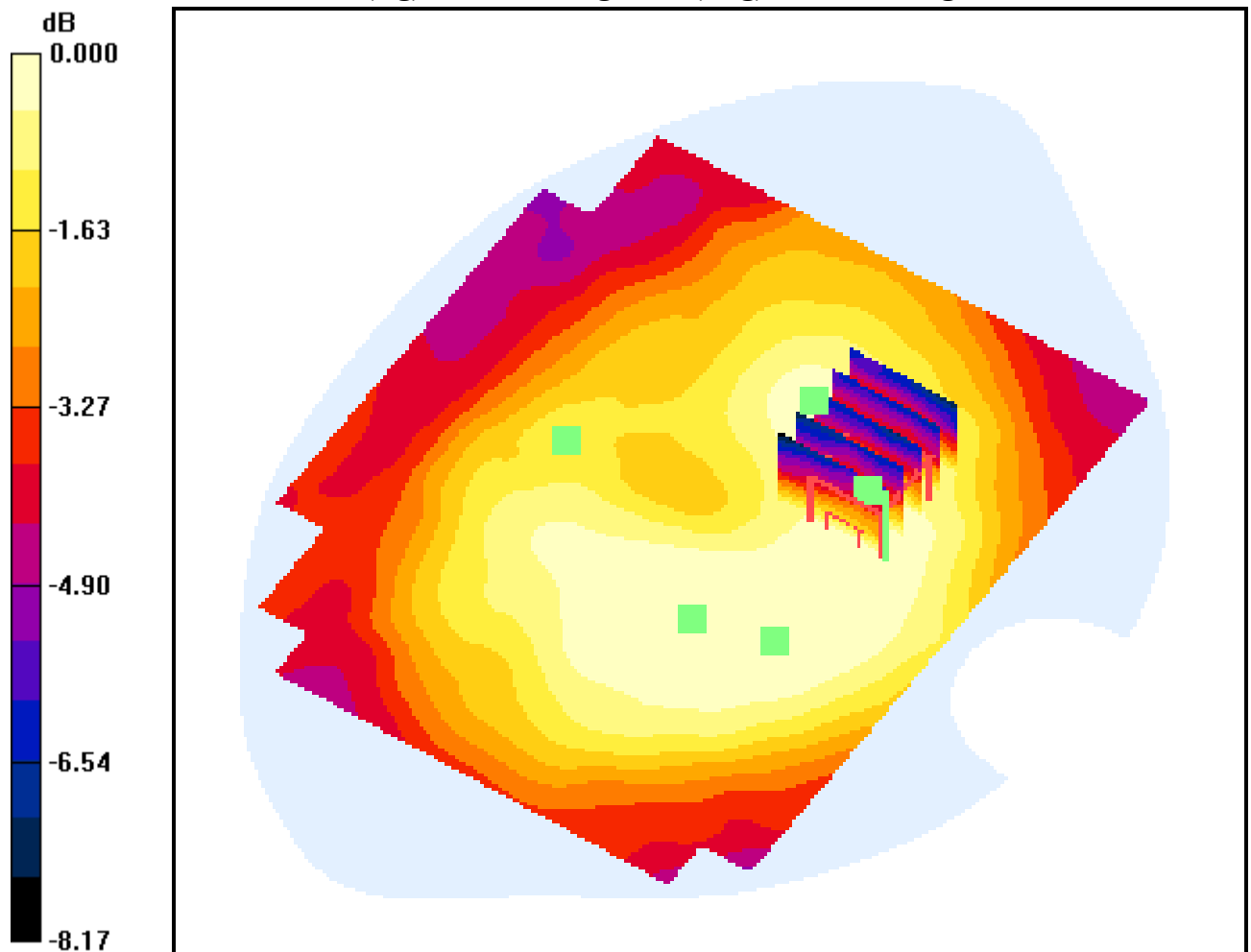
Area Scan (111x131x1): Measurement grid: dx=15mm, dy=15mm

Zoom Scan (5x5x7)/Cube 2: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Power Drift = 0.170 dB

Peak SAR (extrapolated) = 0.023 W/kg

SAR(1 g) = 0.017 mW/g; SAR(10 g) = 0.013 mW/g



0 dB = 0.019mW/g

DIGITAL EMC CO., LTD

DUT: SER-8189; Type: USB Modem

Communication System: FCC CDMA; Frequency: 836.52 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 836.667$ MHz; $\sigma = 0.943$ mho/m; $\epsilon_r = 53.9$; $\rho = 1000$ kg/m³
Phantom section: Flat Section

DASY4 Configuration:

Probe: EX3DV4 - SN3643; ConvF(9.31, 9.31, 9.31); Calibrated: 2010-01-26; Electronics: DAE3 Sn520
Phantom: SAM with 835MHz; Type: SAM; Serial: TP-1223
Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Test Date: 2010-08-30; Ambient Temp: 22.0; Tissue Temp: 22.5

1cm space from Body, Top, CDMA Cellular Ch. 384, Ant Internal

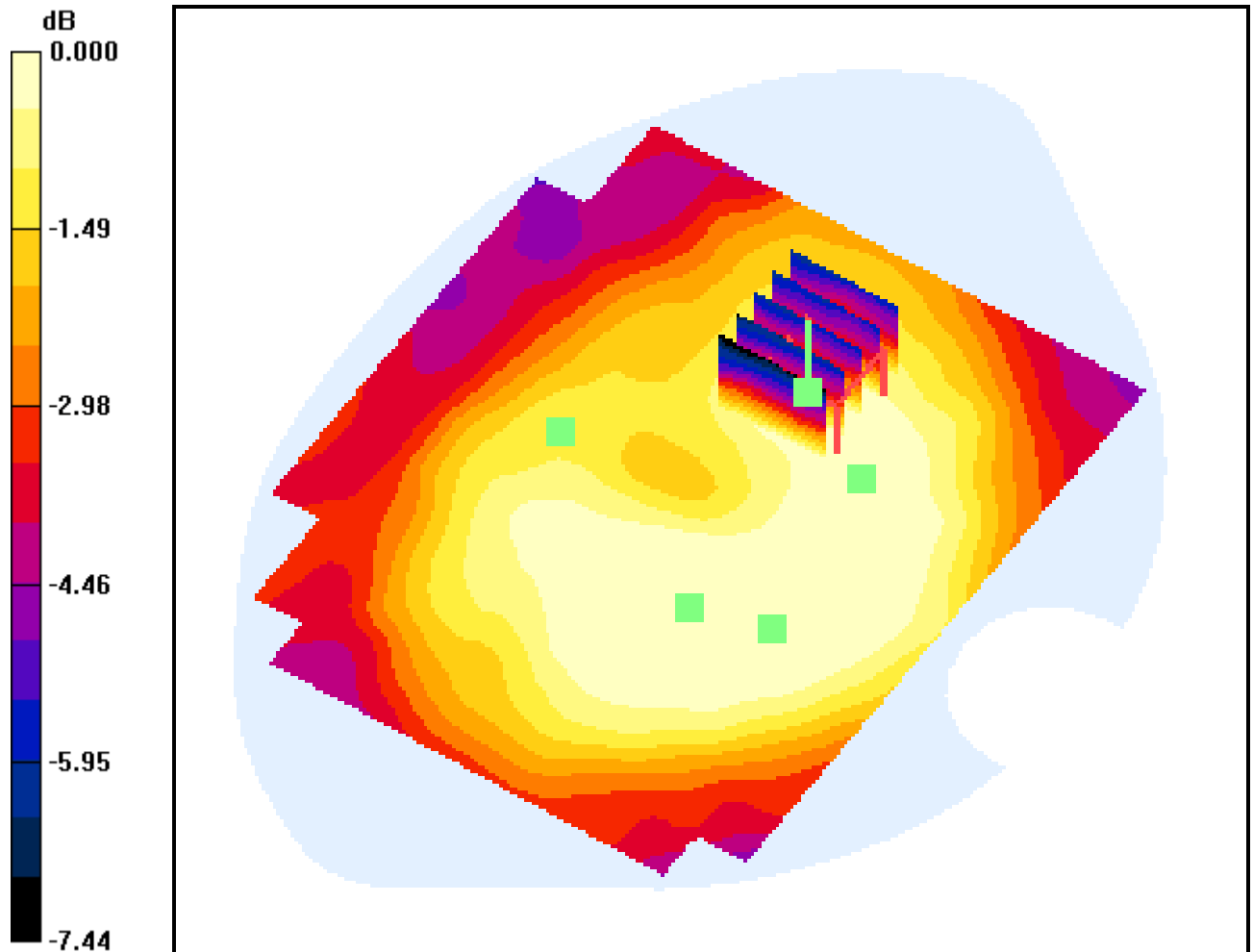
Area Scan (111x131x1): Measurement grid: dx=15mm, dy=15mm

Zoom Scan (5x5x7)/Cube 3: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Power Drift = 0.170 dB

Peak SAR (extrapolated) = 0.021 W/kg

SAR(1 g) = 0.016 mW/g; SAR(10 g) = 0.012 mW/g



0 dB = 0.018mW/g

DIGITAL EMC CO., LTD

DUT: SER-8189; Type: USB Modem

Communication System: FCC CDMA; Frequency: 836.52 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 836.667$ MHz; $\sigma = 0.943$ mho/m; $\epsilon_r = 53.9$; $\rho = 1000$ kg/m³
Phantom section: Flat Section

DASY4 Configuration:

Probe: EX3DV4 - SN3643; ConvF(9.31, 9.31, 9.31); Calibrated: 2010-01-26; Electronics: DAE3 Sn520
Phantom: SAM with 835MHz; Type: SAM; Serial: TP-1223
Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Test Date: 2010-08-30; Ambient Temp: 22.0; Tissue Temp: 22.5

1cm space from Body, Top, CDMA Cellular Ch. 384, Ant Internal

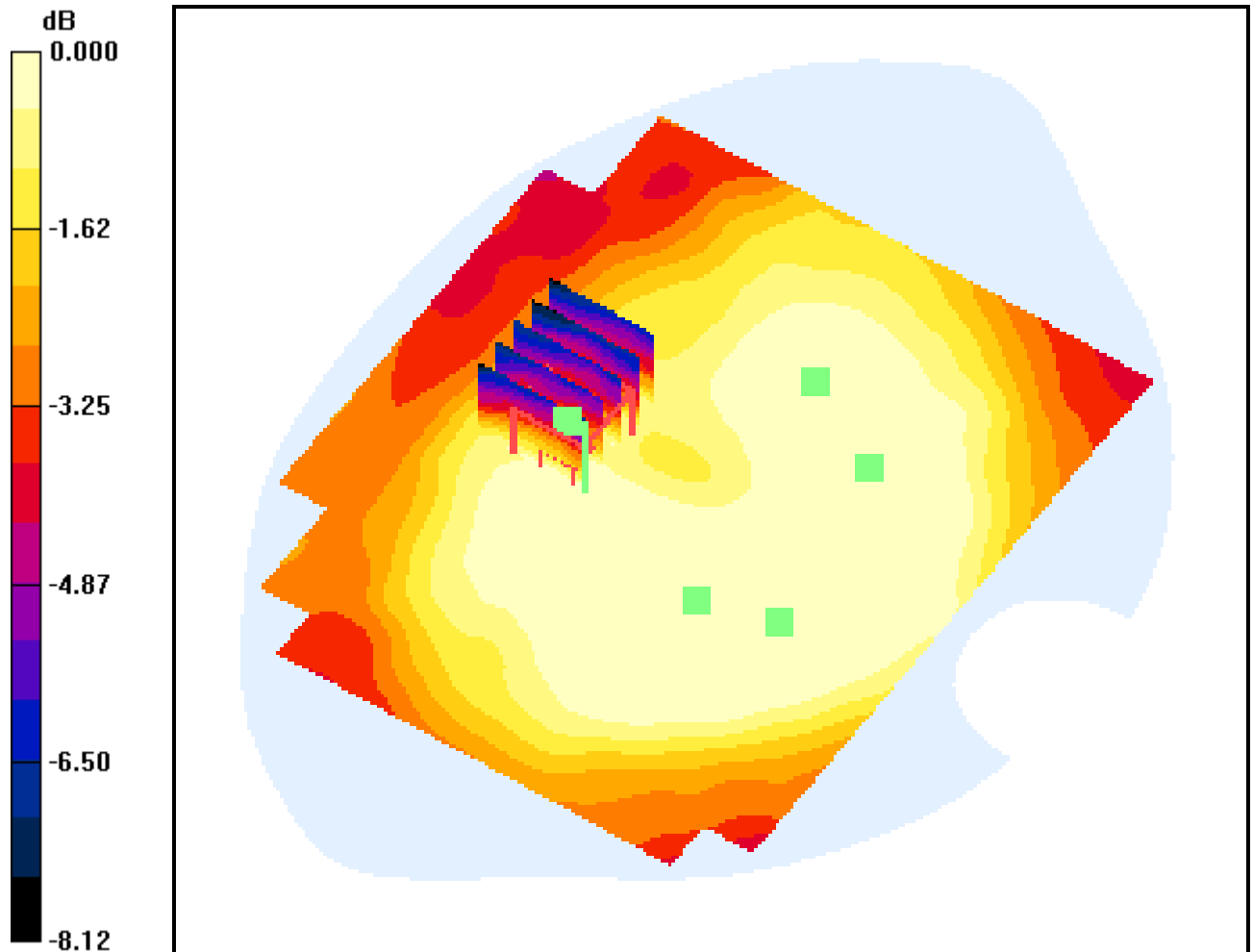
Area Scan (111x131x1): Measurement grid: dx=15mm, dy=15mm

Zoom Scan (5x5x7)/Cube 4: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Power Drift = 0.170 dB

Peak SAR (extrapolated) = 0.018 W/kg

SAR(1 g) = 0.014 mW/g; SAR(10 g) = 0.011 mW/g



0 dB = 0.016mW/g

DIGITAL EMC CO., LTD

DUT: SER-8189; Type: USB Modem

Communication System: FCC CDMA; Frequency: 836.52 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 836.667$ MHz; $\sigma = 0.943$ mho/m; $\epsilon_r = 53.9$; $\rho = 1000$ kg/m³
Phantom section: Flat Section

DASY4 Configuration:

Probe: EX3DV4 - SN3643; ConvF(9.31, 9.31, 9.31); Calibrated: 2010-01-26; Electronics: DAE3 Sn520
Phantom: SAM with 835MHz; Type: SAM; Serial: TP-1223
Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Test Date: 2010-08-30; Ambient Temp: 22.0; Tissue Temp: 22.5

1cm space from Body, Bottom, CDMA Cellular Ch. 384, Ant Internal

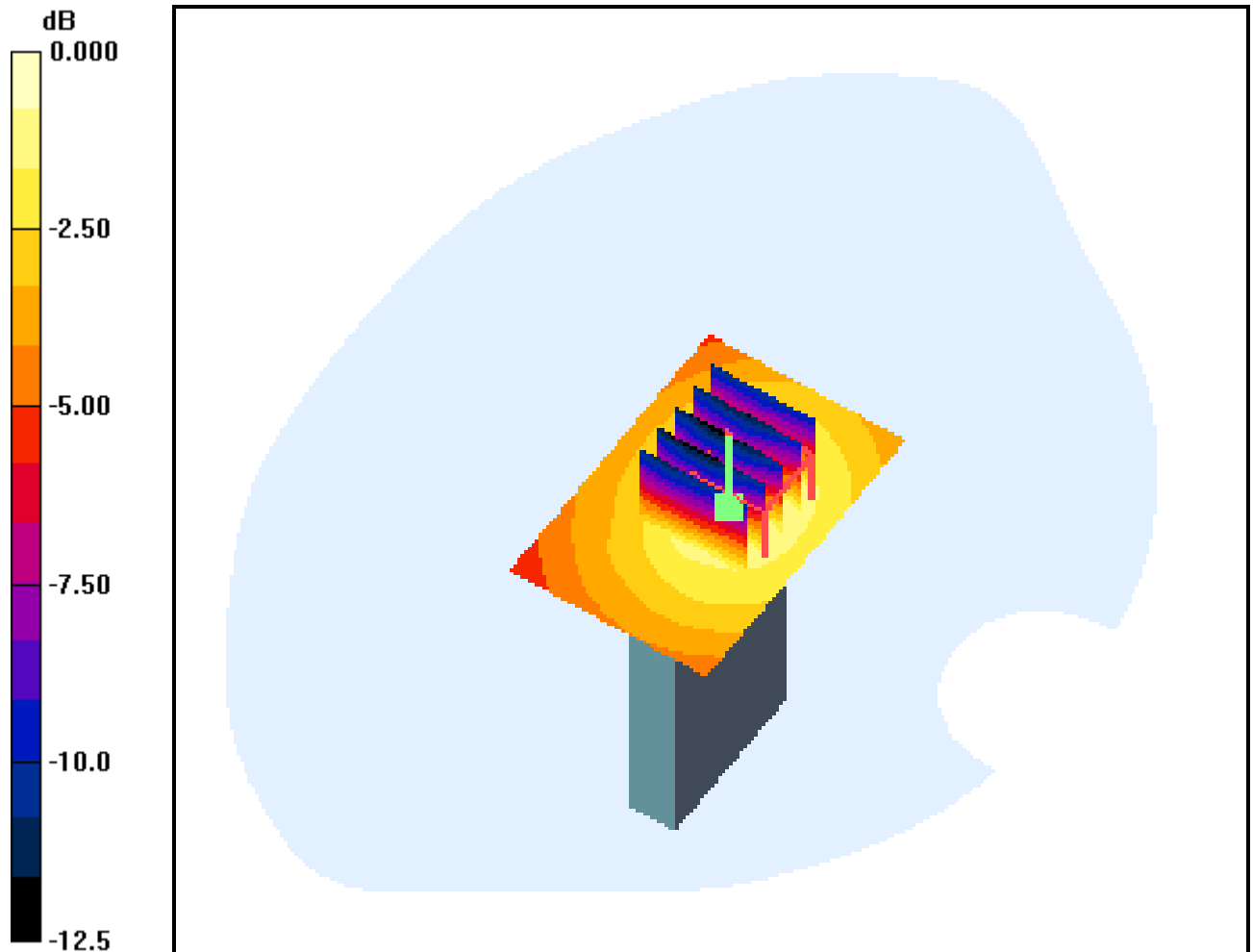
Area Scan (41x61x1): Measurement grid: dx=15mm, dy=15mm

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

Power Drift = 0.164 dB

Peak SAR (extrapolated) = 0.147 W/kg

SAR(1 g) = 0.083 mW/g; SAR(10 g) = 0.053 mW/g



0 dB = 0.108mW/g

DIGITAL EMC CO., LTD

DUT: SER-8189; Type: USB Modem

Communication System: FCC CDMA; Frequency: 836.52 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 836.667$ MHz; $\sigma = 0.943$ mho/m; $\epsilon_r = 53.9$; $\rho = 1000$ kg/m³
Phantom section: Flat Section

DASY4 Configuration:

Probe: EX3DV4 - SN3643; ConvF(9.31, 9.31, 9.31); Calibrated: 2010-01-26; Electronics: DAE3 Sn520
Phantom: SAM with 835MHz; Type: SAM; Serial: TP-1223
Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Test Date: 2010-08-30; Ambient Temp: 22.0; Tissue Temp: 22.5

1cm space from Body, Horizontal Up, CDMA Cellular Ch. 384, Ant Internal

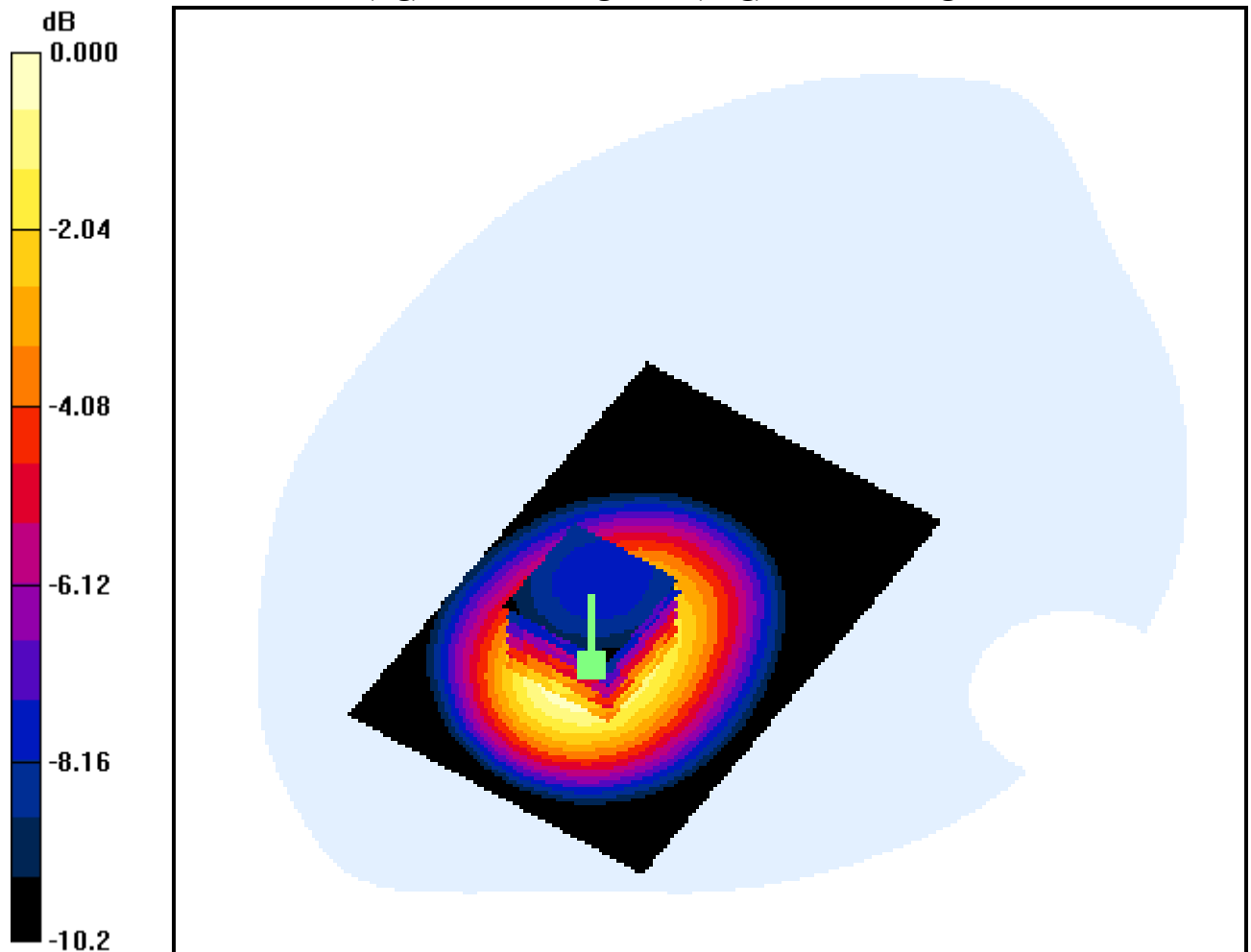
Area Scan (61x91x1): Measurement grid: dx=15mm, dy=15mm

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

Power Drift = 0.287 dB

Peak SAR (extrapolated) = 0.642 W/kg

SAR(1 g) = 0.486 mW/g; SAR(10 g) = 0.348 mW/g



0 dB = 0.560mW/g

DIGITAL EMC CO., LTD

DUT: SER-8189; Type: USB Modem

Communication System: FCC CDMA; Frequency: 824.7 MHz; Duty Cycle: 1:1
Medium parameters used (interpolated): $f = 824.7$ MHz; $\sigma = 0.937$ mho/m; $\epsilon_r = 54.1$; $\rho = 1000$ kg/m³
Phantom section: Flat Section

DASY4 Configuration:

Probe: EX3DV4 - SN3643; ConvF(9.31, 9.31, 9.31); Calibrated: 2010-01-26; Electronics: DAE3 Sn520
Phantom: SAM with 835MHz; Type: SAM; Serial: TP-1223
Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Test Date: 2010-08-30; Ambient Temp: 22.0; Tissue Temp: 22.5

1cm space from Body, Horizontal Down, CDMA Cellular Ch. 1013, Ant Internal

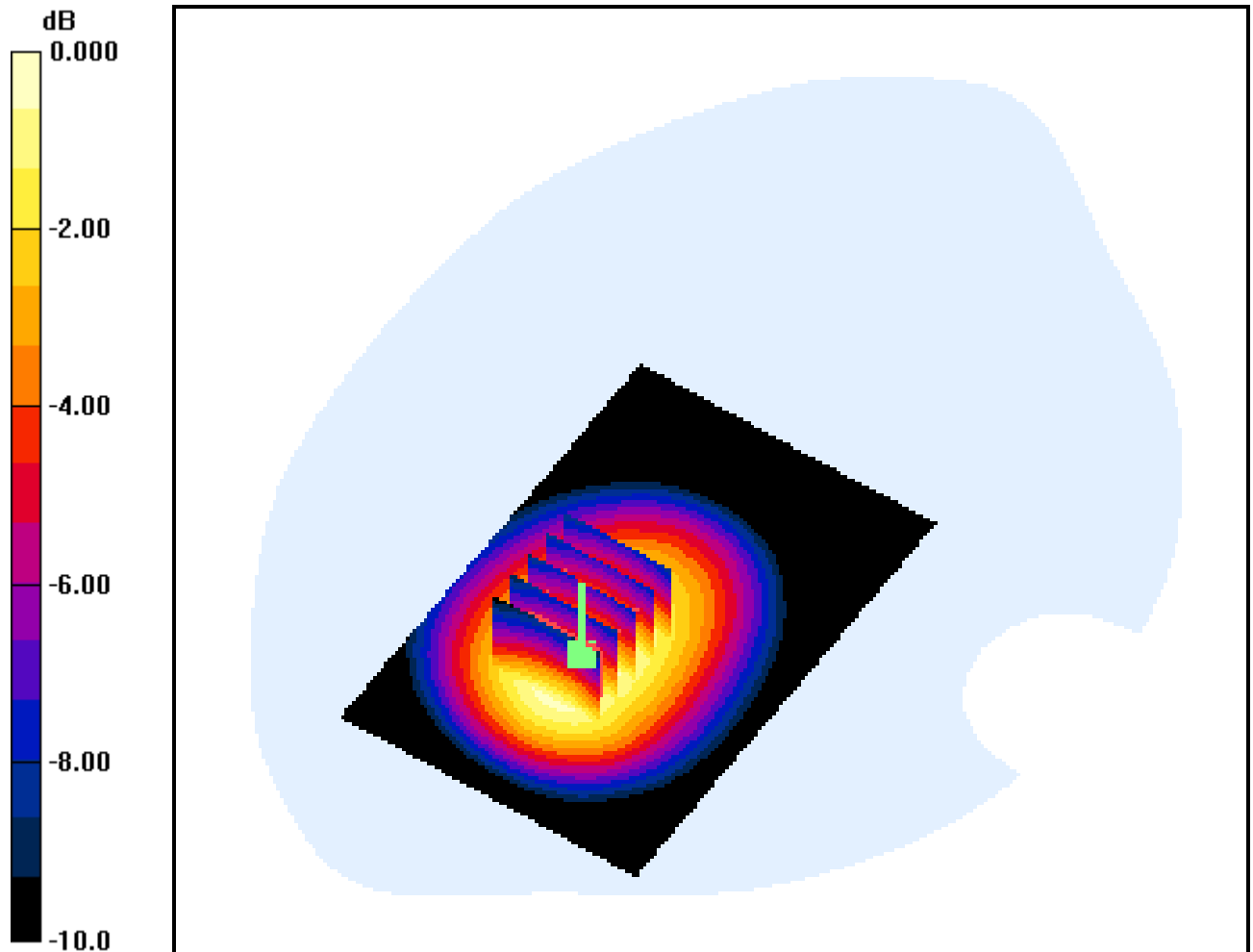
Area Scan (61x91x1): Measurement grid: dx=15mm, dy=15mm

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

Power Drift = 0.099 dB

Peak SAR (extrapolated) = 0.778 W/kg

SAR(1 g) = 0.601 mW/g; SAR(10 g) = 0.433 mW/g



0 dB = 0.685mW/g

DIGITAL EMC CO., LTD

DUT: SER-8189; Type: USB Modem

Communication System: FCC CDMA; Frequency: 836.52 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 836.667$ MHz; $\sigma = 0.943$ mho/m; $\epsilon_r = 53.9$; $\rho = 1000$ kg/m³
Phantom section: Flat Section

DASY4 Configuration:

Probe: EX3DV4 - SN3643; ConvF(9.31, 9.31, 9.31); Calibrated: 2010-01-26; Electronics: DAE3 Sn520
Phantom: SAM with 835MHz; Type: SAM; Serial: TP-1223
Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Test Date: 2010-08-30; Ambient Temp: 22.0; Tissue Temp: 22.5

1cm space from Body, Horizontal Down, CDMA Cellular Ch. 384, Ant Internal

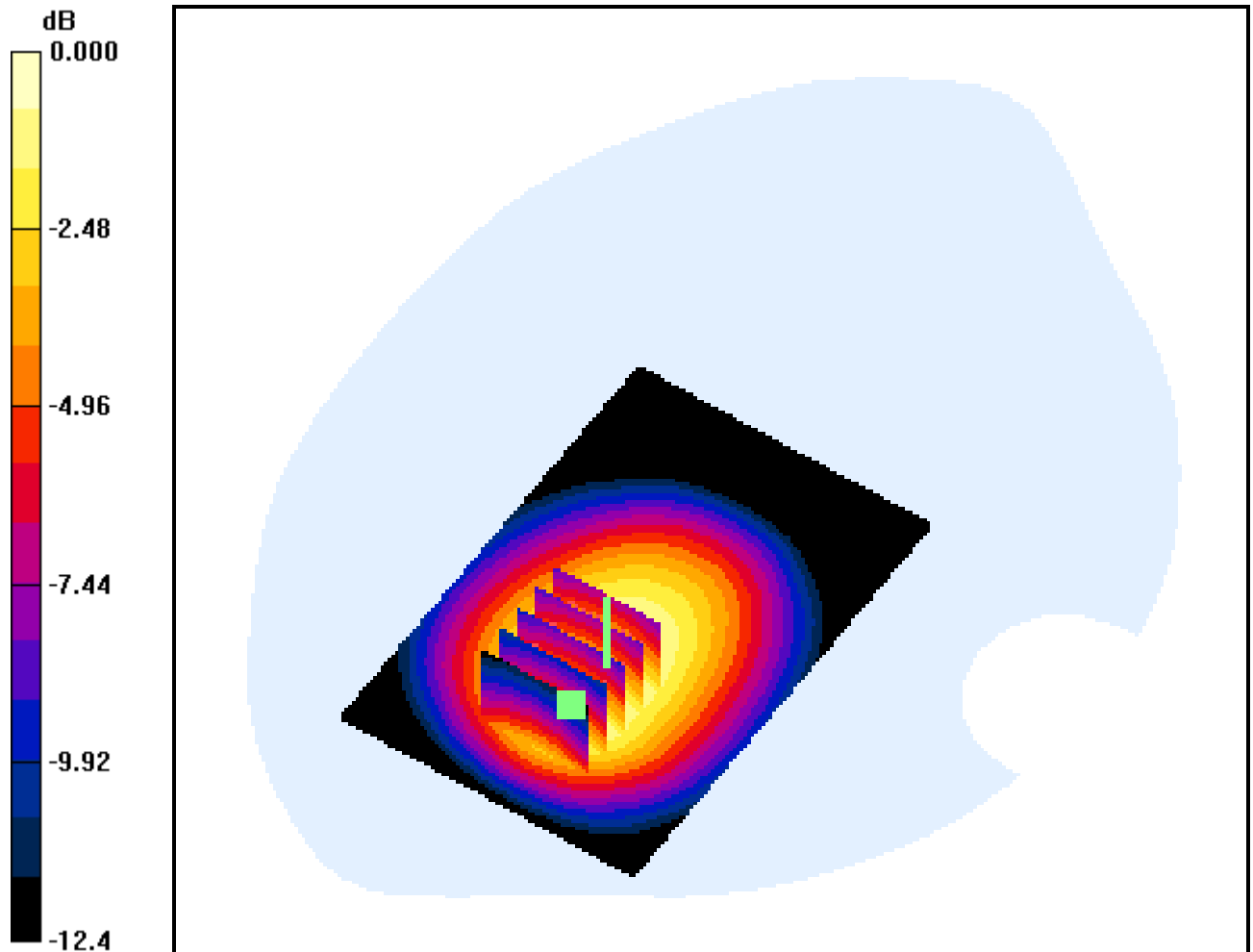
Area Scan (61x91x1): Measurement grid: dx=15mm, dy=15mm

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

Power Drift = 0.011 dB

Peak SAR (extrapolated) = 0.711 W/kg

SAR(1 g) = 0.526 mW/g; SAR(10 g) = 0.365 mW/g



0 dB = 0.607mW/g

DIGITAL EMC CO., LTD

DUT: SER-8189; Type: USB Modem

Communication System: FCC CDMA; Frequency: 848.31 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 848.333 \text{ MHz}$; $\sigma = 0.96 \text{ mho/m}$; $\epsilon_r = 53.7$; $\rho = 1000 \text{ kg/m}^3$
Phantom section: Flat Section

DASY4 Configuration:

Probe: EX3DV4 - SN3643; ConvF(9.31, 9.31, 9.31); Calibrated: 2010-01-26; Electronics: DAE3 Sn520
Phantom: SAM with 835MHz; Type: SAM; Serial: TP-1223
Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Test Date: 2010-08-30; Ambient Temp: 22.0; Tissue Temp: 22.5

1cm space from Body, Horizontal Down, CDMA Cellular Ch. 777, Ant Internal

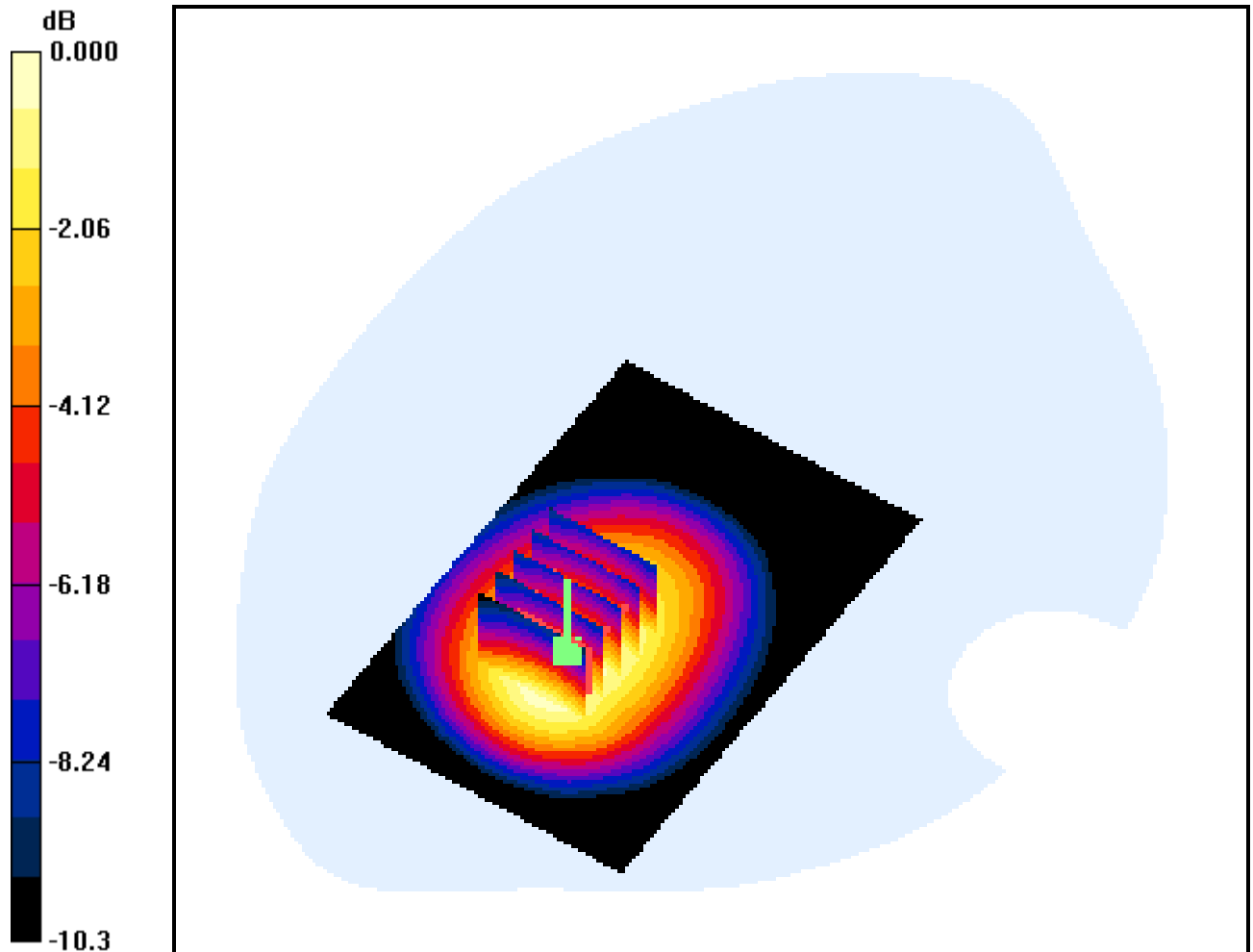
Area Scan (61x91x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

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

Power Drift = 0.116 dB

Peak SAR (extrapolated) = 0.621 W/kg

SAR(1 g) = 0.466 mW/g; SAR(10 g) = 0.333 mW/g



0 dB = 0.536mW/g

DIGITAL EMC CO., LTD

DUT: SER-8189; Type: USB Modem

Communication System: FCC CDMA; Frequency: 836.52 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 836.667$ MHz; $\sigma = 0.943$ mho/m; $\epsilon_r = 53.9$; $\rho = 1000$ kg/m³
Phantom section: Flat Section

DASY4 Configuration:

Probe: EX3DV4 - SN3643; ConvF(9.31, 9.31, 9.31); Calibrated: 2010-01-26; Electronics: DAE3 Sn520
Phantom: SAM with 835MHz; Type: SAM; Serial: TP-1223
Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Test Date: 2010-08-30; Ambient Temp: 22.0; Tissue Temp: 22.5

1cm space from Body, Vertical Front, CDMA Cellular Ch. 384, Ant Internal

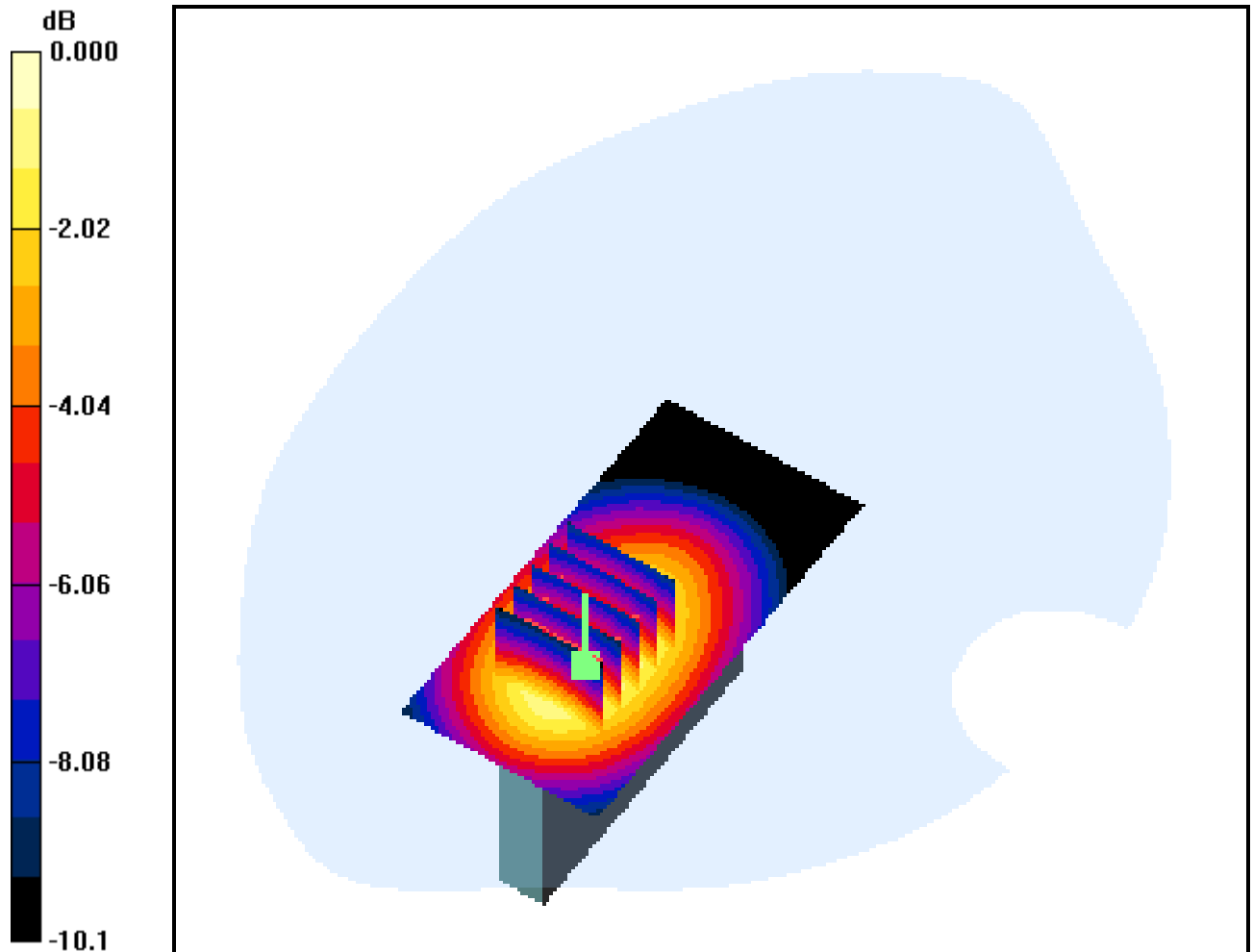
Area Scan (41x81x1): Measurement grid: dx=15mm, dy=15mm

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

Power Drift = 0.191 dB

Peak SAR (extrapolated) = 0.366 W/kg

SAR(1 g) = 0.262 mW/g; SAR(10 g) = 0.182 mW/g



0 dB = 0.308mW/g

DIGITAL EMC CO., LTD

DUT: SER-8189; Type: USB Modem

Communication System: FCC CDMA; Frequency: 836.52 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 836.667$ MHz; $\sigma = 0.943$ mho/m; $\epsilon_r = 53.9$; $\rho = 1000$ kg/m³
Phantom section: Flat Section

DASY4 Configuration:

Probe: EX3DV4 - SN3643; ConvF(9.31, 9.31, 9.31); Calibrated: 2010-01-26; Electronics: DAE3 Sn520
Phantom: SAM with 835MHz; Type: SAM; Serial: TP-1223
Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Test Date: 2010-08-30; Ambient Temp: 22.0; Tissue Temp: 22.5

1cm space from Body, Vertical Back, CDMA Cellular Ch. 384, Ant Internal

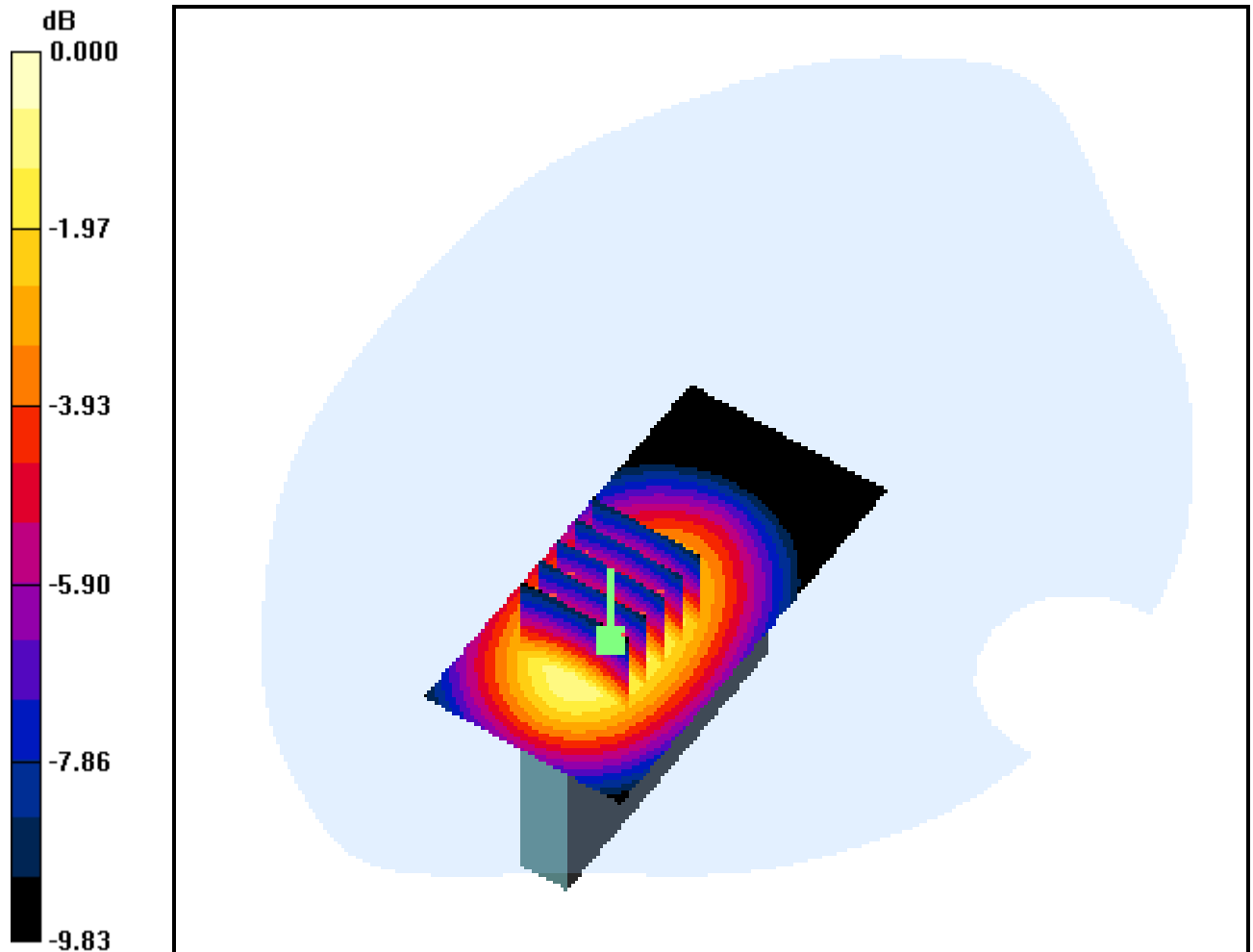
Area Scan (41x81x1): Measurement grid: dx=15mm, dy=15mm

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

Power Drift = 0.123 dB

Peak SAR (extrapolated) = 0.373 W/kg

SAR(1 g) = 0.266 mW/g; SAR(10 g) = 0.183 mW/g



0 dB = 0.315mW/g

DIGITAL EMC CO., LTD

DUT: SER-8189; Type: USB Modem

Communication System: FCC CDMA; Frequency: 824.7 MHz; Duty Cycle: 1:1
Medium parameters used (interpolated): $f = 824.7$ MHz; $\sigma = 0.937$ mho/m; $\epsilon_r = 54.1$; $\rho = 1000$ kg/m³
Phantom section: Flat Section

DASY4 Configuration:

Probe: EX3DV4 - SN3643; ConvF(9.31, 9.31, 9.31); Calibrated: 2010-01-26; Electronics: DAE3 Sn520
Phantom: SAM with 835MHz; Type: SAM; Serial: TP-1223
Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Test Date: 2010-08-30; Ambient Temp: 22.0; Tissue Temp: 22.5

1cm space from Body, Horizontal Down, CDMA Cellular Ch. 1175, Ant Internal, EV-DO Rev. A

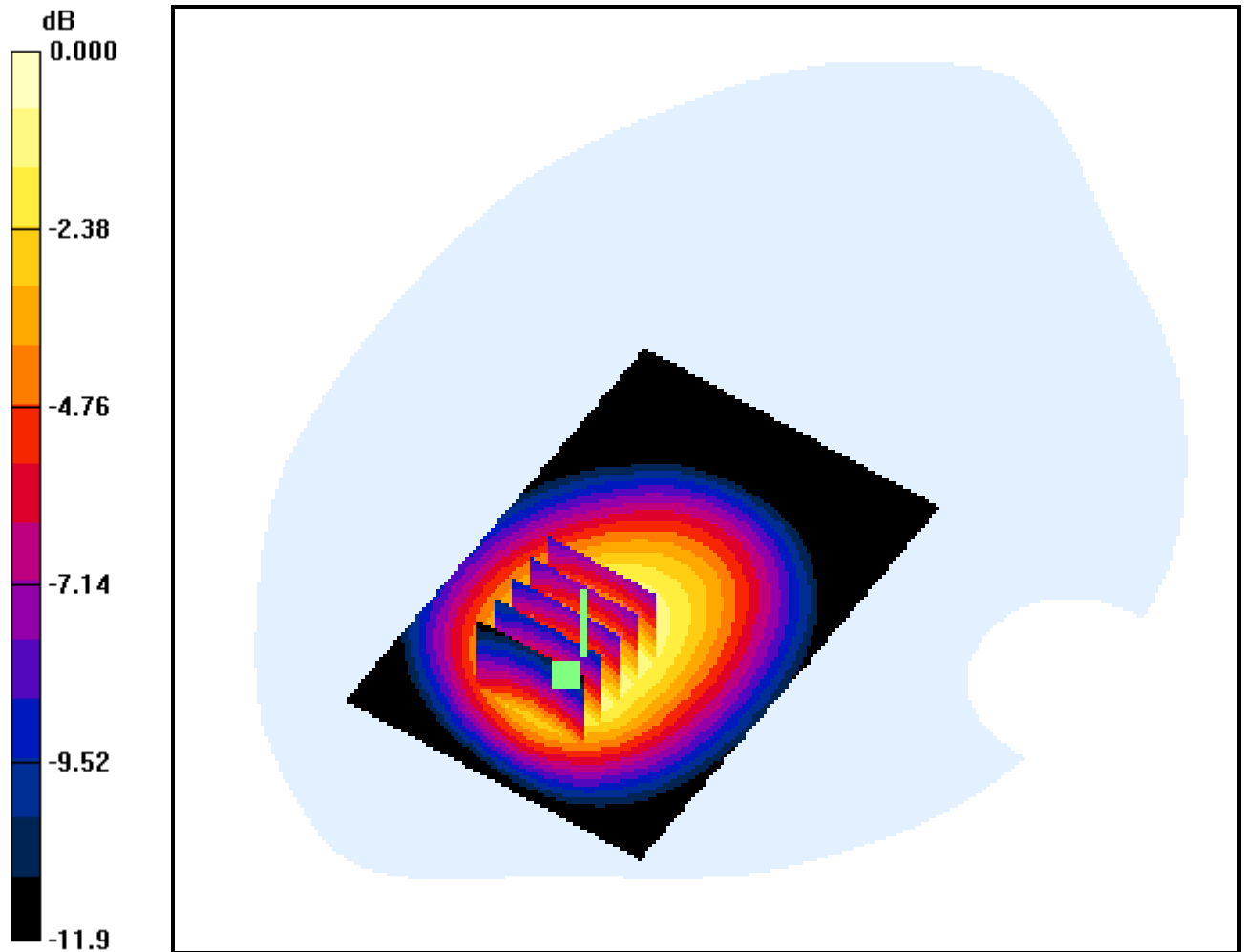
Area Scan (61x91x1): Measurement grid: dx=15mm, dy=15mm

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

Power Drift = 0.095 dB

Peak SAR (extrapolated) = 0.864 W/kg

SAR(1 g) = 0.638 mW/g; SAR(10 g) = 0.446 mW/g



0 dB = 0.736mW/g

DIGITAL EMC CO., LTD

DUT: SER-8189; Type: USB Modem

Communication System: FCC CDMA; Frequency: 836.52 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 836.667$ MHz; $\sigma = 0.943$ mho/m; $\epsilon_r = 53.9$; $\rho = 1000$ kg/m³
Phantom section: Flat Section

DASY4 Configuration:

Probe: EX3DV4 - SN3643; ConvF(9.31, 9.31, 9.31); Calibrated: 2010-01-26; Electronics: DAE3 Sn520
Phantom: SAM with 835MHz; Type: SAM; Serial: TP-1223
Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Test Date: 2010-08-30; Ambient Temp: 22.0; Tissue Temp: 22.5

1cm space from Body, Horizontal Down, CDMA Cellular Ch. 384, Ant Internal, EV-DO Rev. A

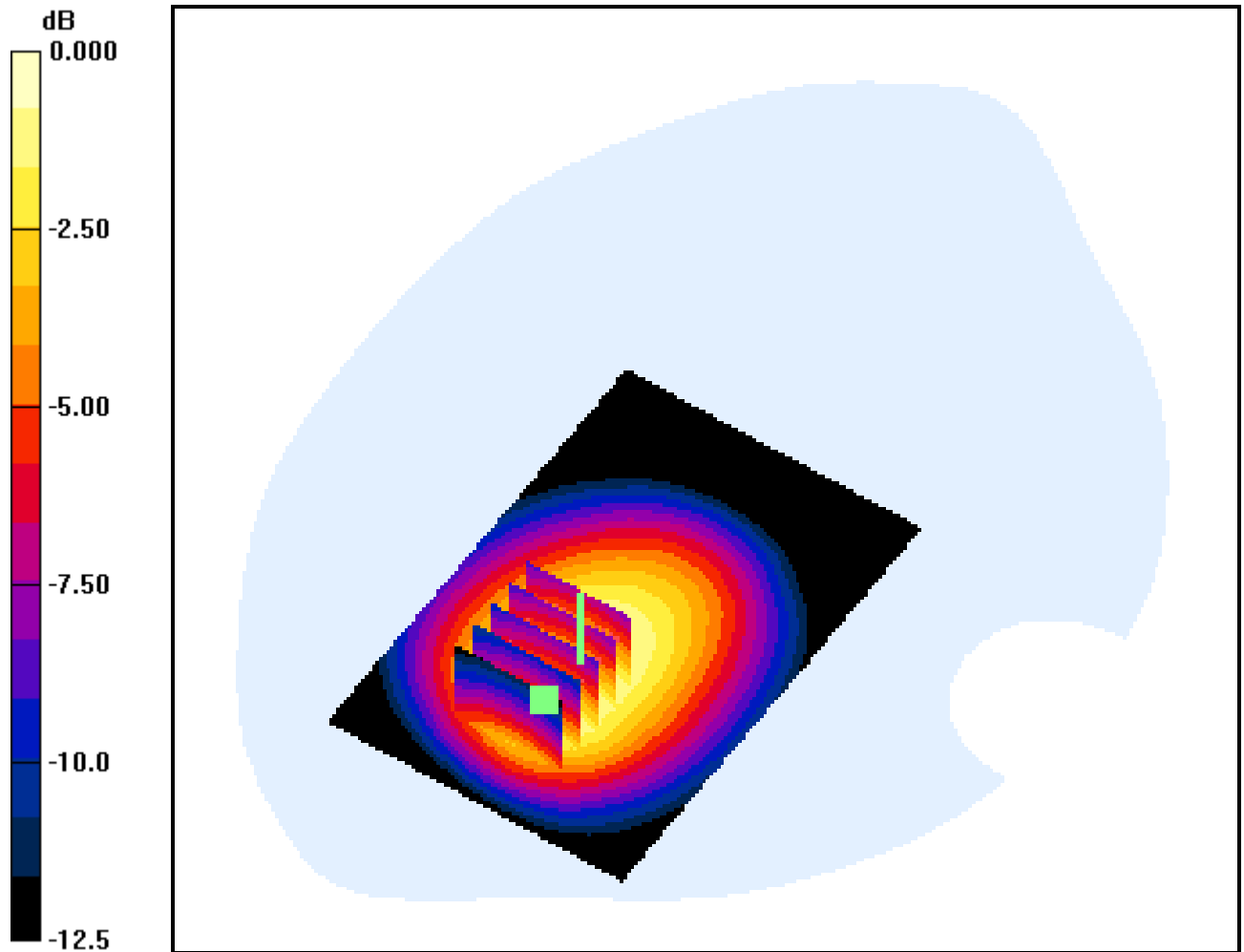
Area Scan (61x91x1): Measurement grid: dx=15mm, dy=15mm

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

Power Drift = 0.315 dB

Peak SAR (extrapolated) = 0.638 W/kg

SAR(1 g) = 0.471 mW/g; SAR(10 g) = 0.326 mW/g



0 dB = 0.547mW/g

DIGITAL EMC CO., LTD

DUT: SER-8189; Type: USB Modem

Communication System: FCC CDMA; Frequency: 848.31 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 848.333$ MHz; $\sigma = 0.96$ mho/m; $\epsilon_r = 53.7$; $\rho = 1000$ kg/m³
Phantom section: Flat Section

DASY4 Configuration:

Probe: EX3DV4 - SN3643; ConvF(9.31, 9.31, 9.31); Calibrated: 2010-01-26; Electronics: DAE3 Sn520
Phantom: SAM with 835MHz; Type: SAM; Serial: TP-1223
Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Test Date: 2010-08-30; Ambient Temp: 22.0; Tissue Temp: 22.5

1cm space from Body, Horizontal Down, CDMA Cellular Ch. 777, Ant Internal, EV-DO Rev. A

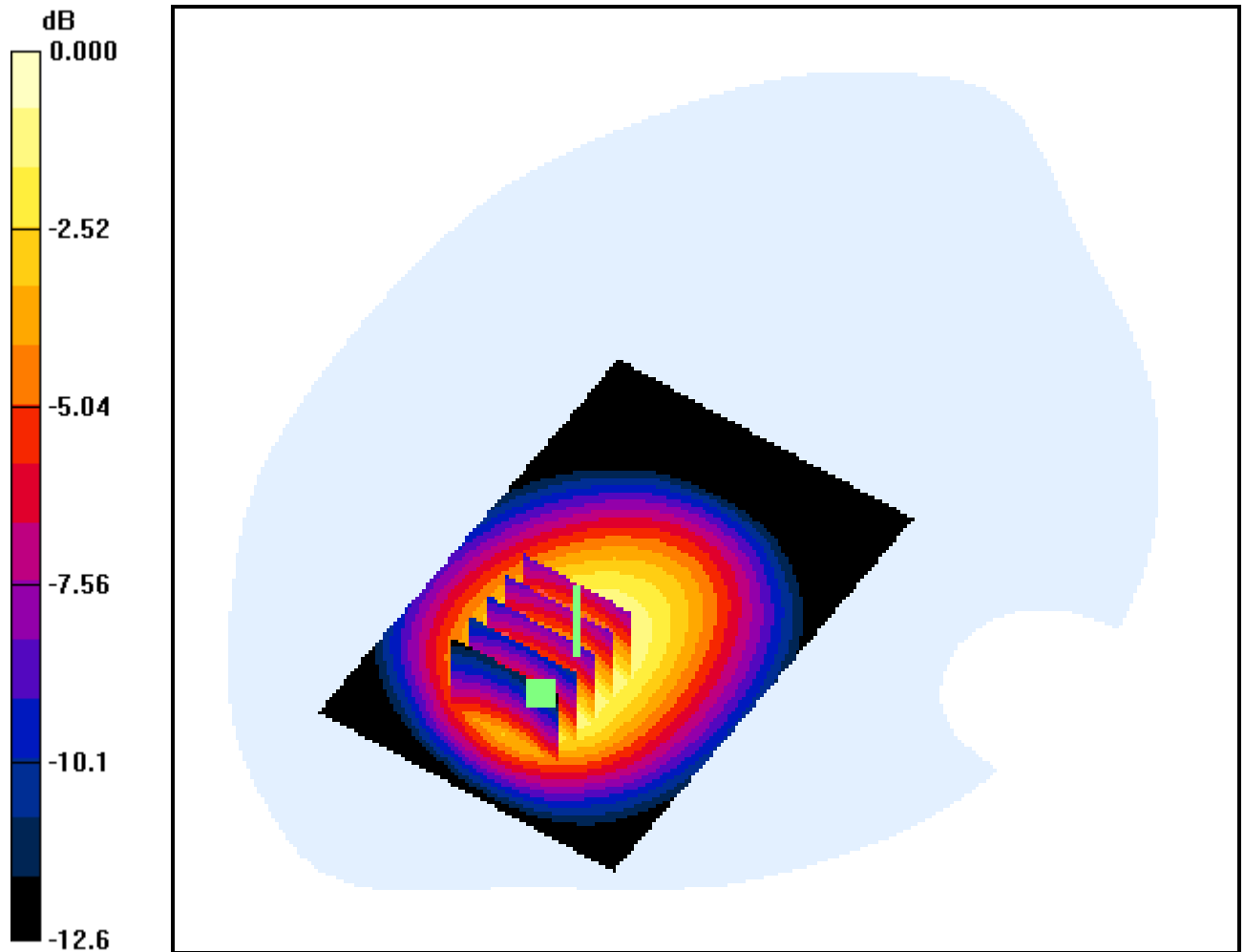
Area Scan (61x91x1): Measurement grid: dx=15mm, dy=15mm

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

Power Drift = 0.095 dB

Peak SAR (extrapolated) = 0.668 W/kg

SAR(1 g) = 0.497 mW/g; SAR(10 g) = 0.343 mW/g



0 dB = 0.571mW/g

DIGITAL EMC CO., LTD

DUT: SER-8189; Type: USB Modem

Communication System: FCC_PCS; Frequency: 1880 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 1880 \text{ MHz}$; $\sigma = 1.52 \text{ mho/m}$; $\epsilon_r = 53.9$; $\rho = 1000 \text{ kg/m}^3$
Phantom section: Flat Section

DASY4 Configuration:

Probe: EX3DV4 - SN3643; ConvF(7.59, 7.59, 7.59); Calibrated: 2010-01-26; Electronics: DAE3 Sn520
Phantom: SAM 1800/1900 MHz; Type: SAM; Serial: TP-1224
Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Test Date: 2010-08-31; Ambient Temp: 22.0; Tissue Temp: 23.0

1cm space from Body, Top, CDMA PCS Ch. 600, Ant Internal

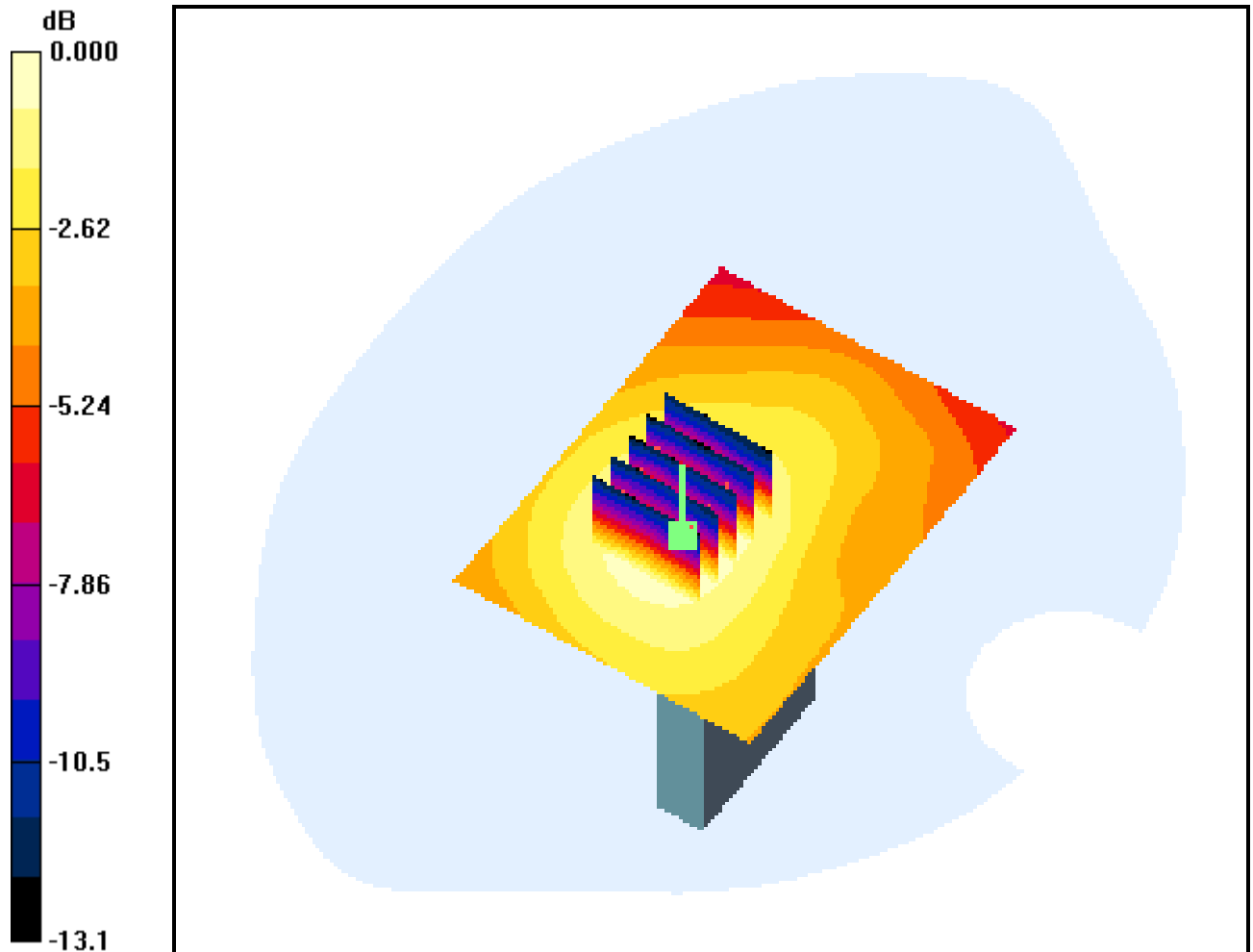
Area Scan (61x81x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

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

Power Drift = 0.183 dB

Peak SAR (extrapolated) = 0.145 W/kg

SAR(1 g) = 0.092 mW/g; SAR(10 g) = 0.059 mW/g



0 dB = 0.112mW/g

DIGITAL EMC CO., LTD

DUT: SER-8189; Type: USB Modem

Communication System: FCC_PCS; Frequency: 1851.25 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 1851.33$ MHz; $\sigma = 1.48$ mho/m; $\epsilon_r = 54$; $\rho = 1000$ kg/m³
Phantom section: Flat Section

DASY4 Configuration:

Probe: EX3DV4 - SN3643; ConvF(7.59, 7.59, 7.59); Calibrated: 2010-01-26; Electronics: DAE3 Sn520
Phantom: SAM 1800/1900 MHz; Type: SAM; Serial: TP-1224
Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Test Date: 2010-08-31; Ambient Temp: 22.0; Tissue Temp: 23.0

1cm space from Body, Bottom, CDMA PCS Ch. 25, Ant Internal

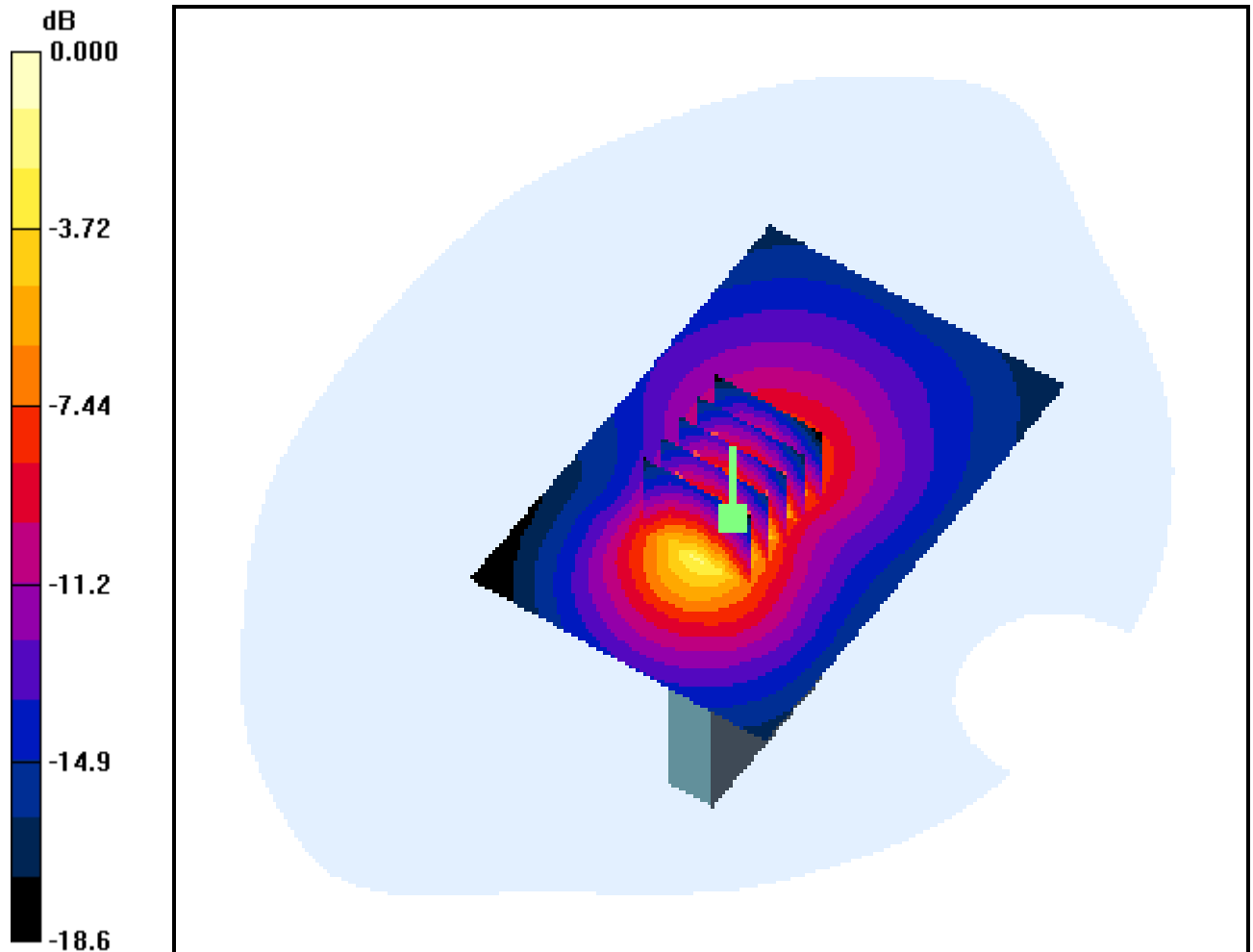
Area Scan (61x91x1): Measurement grid: dx=15mm, dy=15mm

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

Power Drift = -0.322 dB

Peak SAR (extrapolated) = 1.37 W/kg

SAR(1 g) = 0.778 mW/g; SAR(10 g) = 0.393 mW/g



0 dB = 1.05mW/g

DIGITAL EMC CO., LTD

DUT: SER-8189; Type: USB Modem

Communication System: FCC_PCS; Frequency: 1880 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 1880 \text{ MHz}$; $\sigma = 1.52 \text{ mho/m}$; $\epsilon_r = 53.9$; $\rho = 1000 \text{ kg/m}^3$
Phantom section: Flat Section

DASY4 Configuration:

Probe: EX3DV4 - SN3643; ConvF(7.59, 7.59, 7.59); Calibrated: 2010-01-26; Electronics: DAE3 Sn520
Phantom: SAM 1800/1900 MHz; Type: SAM; Serial: TP-1224
Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Test Date: 2010-08-31; Ambient Temp: 22.0; Tissue Temp: 23.0

1cm space from Body, Bottom, CDMA PCS Ch. 600, Ant Internal

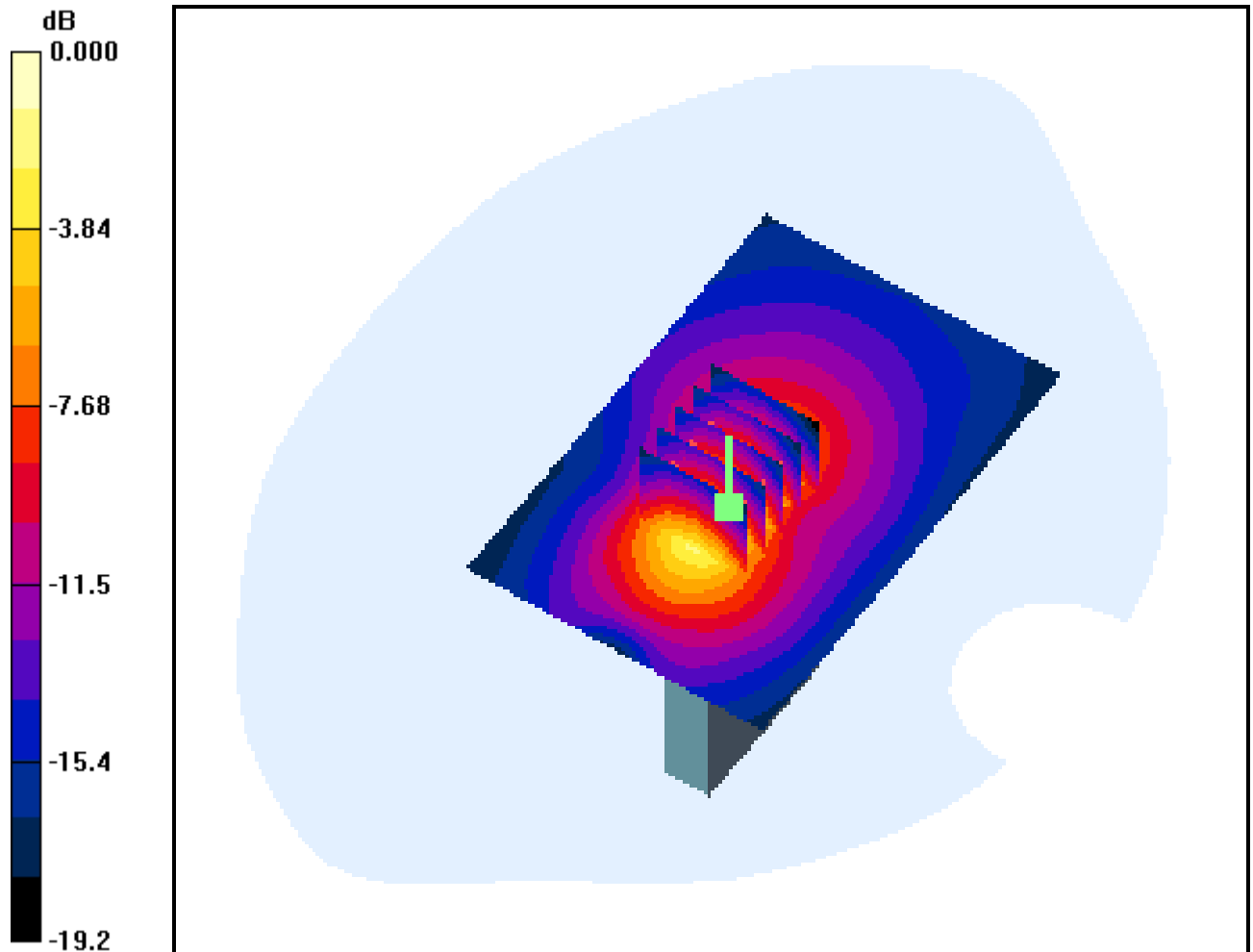
Area Scan (61x91x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

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

Power Drift = -0.231 dB

Peak SAR (extrapolated) = 1.51 W/kg

SAR(1 g) = 0.829 mW/g; SAR(10 g) = 0.415 mW/g



0 dB = 1.12mW/g

DIGITAL EMC CO., LTD

DUT: SER-8189; Type: USB Modem

Communication System: FCC_PCS; Frequency: 1908.75 MHz; Duty Cycle: 1:1
Medium parameters used (interpolated): $f = 1908.75$ MHz; $\sigma = 1.58$ mho/m; $\epsilon_r = 53.9$; $\rho = 1000$ kg/m³
Phantom section: Flat Section

DASY4 Configuration:

Probe: EX3DV4 - SN3643; ConvF(7.59, 7.59, 7.59); Calibrated: 2010-01-26; Electronics: DAE3 Sn520
Phantom: SAM 1800/1900 MHz; Type: SAM; Serial: TP-1224
Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Test Date: 2010-08-31; Ambient Temp: 22.0; Tissue Temp: 23.0

1cm space from Body, Bottom, CDMA PCS Ch. 1175, Ant Internal

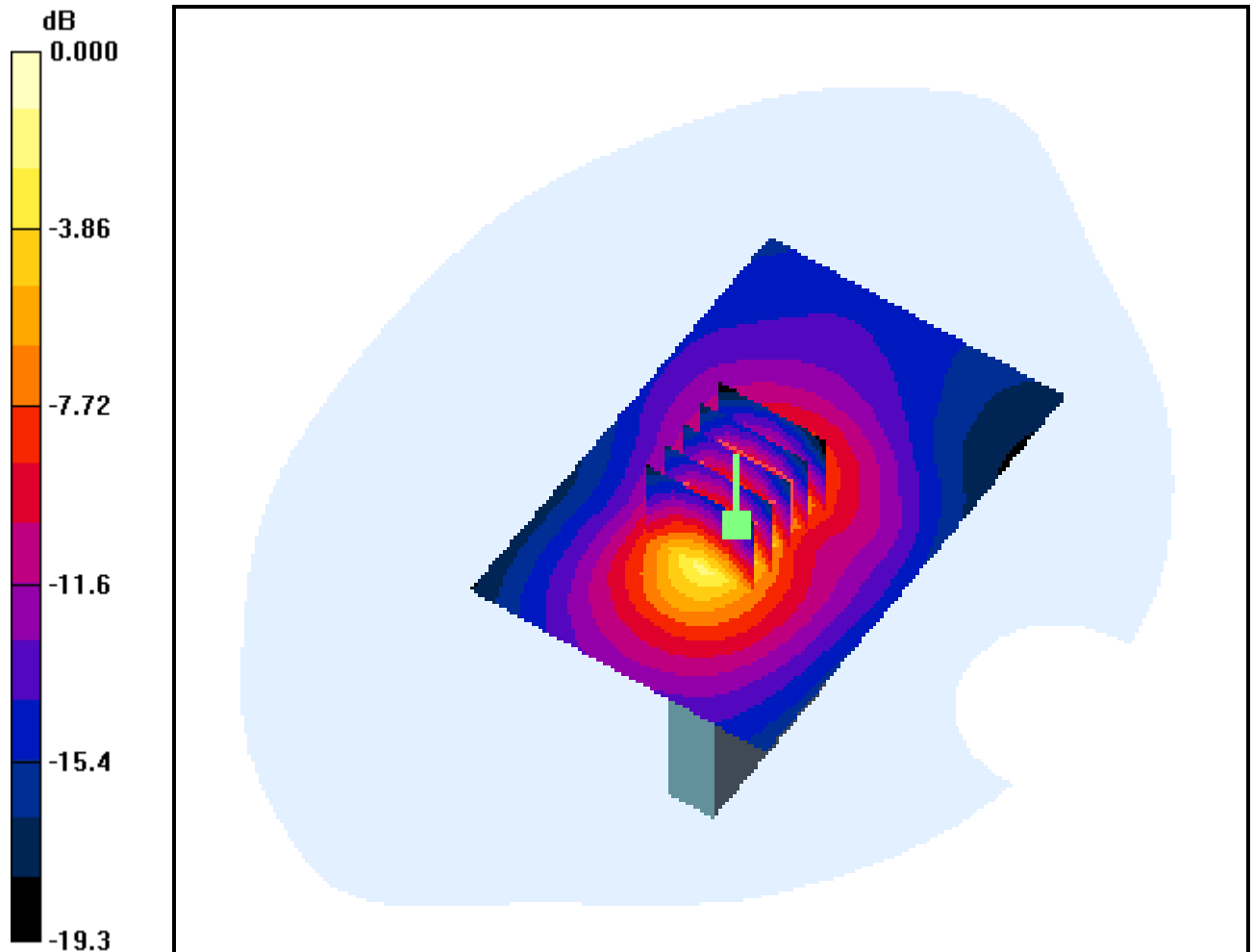
Area Scan (61x91x1): Measurement grid: dx=15mm, dy=15mm

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

Power Drift = -0.130 dB

Peak SAR (extrapolated) = 1.49 W/kg

SAR(1 g) = 0.795 mW/g; SAR(10 g) = 0.389 mW/g



0 dB = 1.09mW/g

DIGITAL EMC CO., LTD

DUT: SER-8189; Type: USB Modem

Communication System: FCC_PCS; Frequency: 1851.25 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 1851.33$ MHz; $\sigma = 1.48$ mho/m; $\epsilon_r = 54$; $\rho = 1000$ kg/m³
Phantom section: Flat Section

DASY4 Configuration:

Probe: EX3DV4 - SN3643; ConvF(7.59, 7.59, 7.59); Calibrated: 2010-01-26; Electronics: DAE3 Sn520
Phantom: SAM 1800/1900 MHz; Type: SAM; Serial: TP-1224
Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Test Date: 2010-08-31; Ambient Temp: 22.0; Tissue Temp: 23.0

1cm space from Body, Horizontal Up, CDMA PCS Ch. 25, Ant Internal

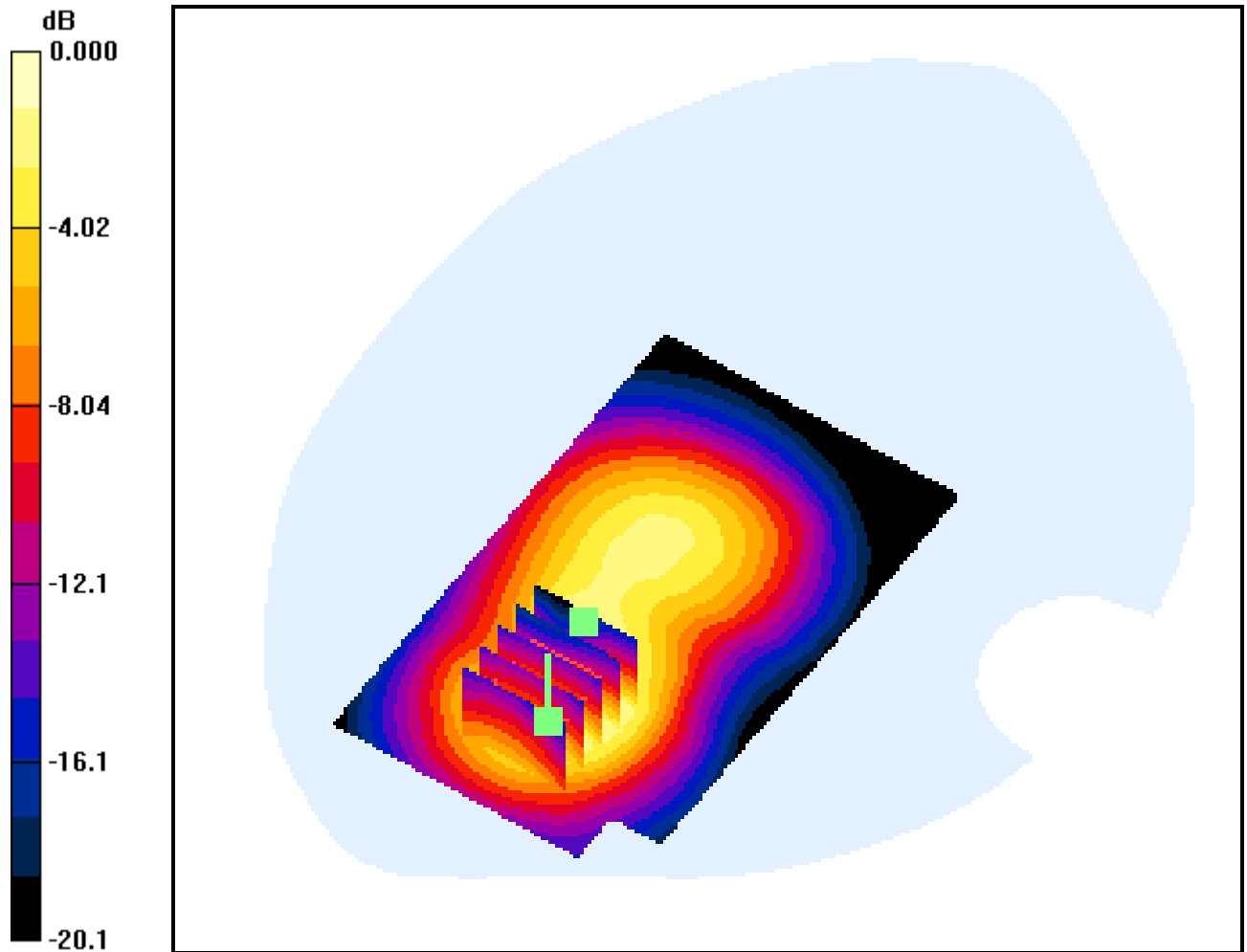
Area Scan (61x101x1): Measurement grid: dx=15mm, dy=15mm

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

Power Drift = -0.241 dB

Peak SAR (extrapolated) = 1.74 W/kg

SAR(1 g) = 0.984 mW/g; SAR(10 g) = 0.503 mW/g



0 dB = 1.30mW/g

DIGITAL EMC CO., LTD

DUT: SER-8189; Type: USB Modem

Communication System: FCC_PCS; Frequency: 1851.25 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 1851.33$ MHz; $\sigma = 1.48$ mho/m; $\epsilon_r = 54$; $\rho = 1000$ kg/m³
Phantom section: Flat Section

DASY4 Configuration:

Probe: EX3DV4 - SN3643; ConvF(7.59, 7.59, 7.59); Calibrated: 2010-01-26; Electronics: DAE3 Sn520
Phantom: SAM 1800/1900 MHz; Type: SAM; Serial: TP-1224
Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Test Date: 2010-08-31; Ambient Temp: 22.0; Tissue Temp: 23.0

1cm space from Body, Horizontal Up, CDMA PCS Ch. 25, Ant Internal

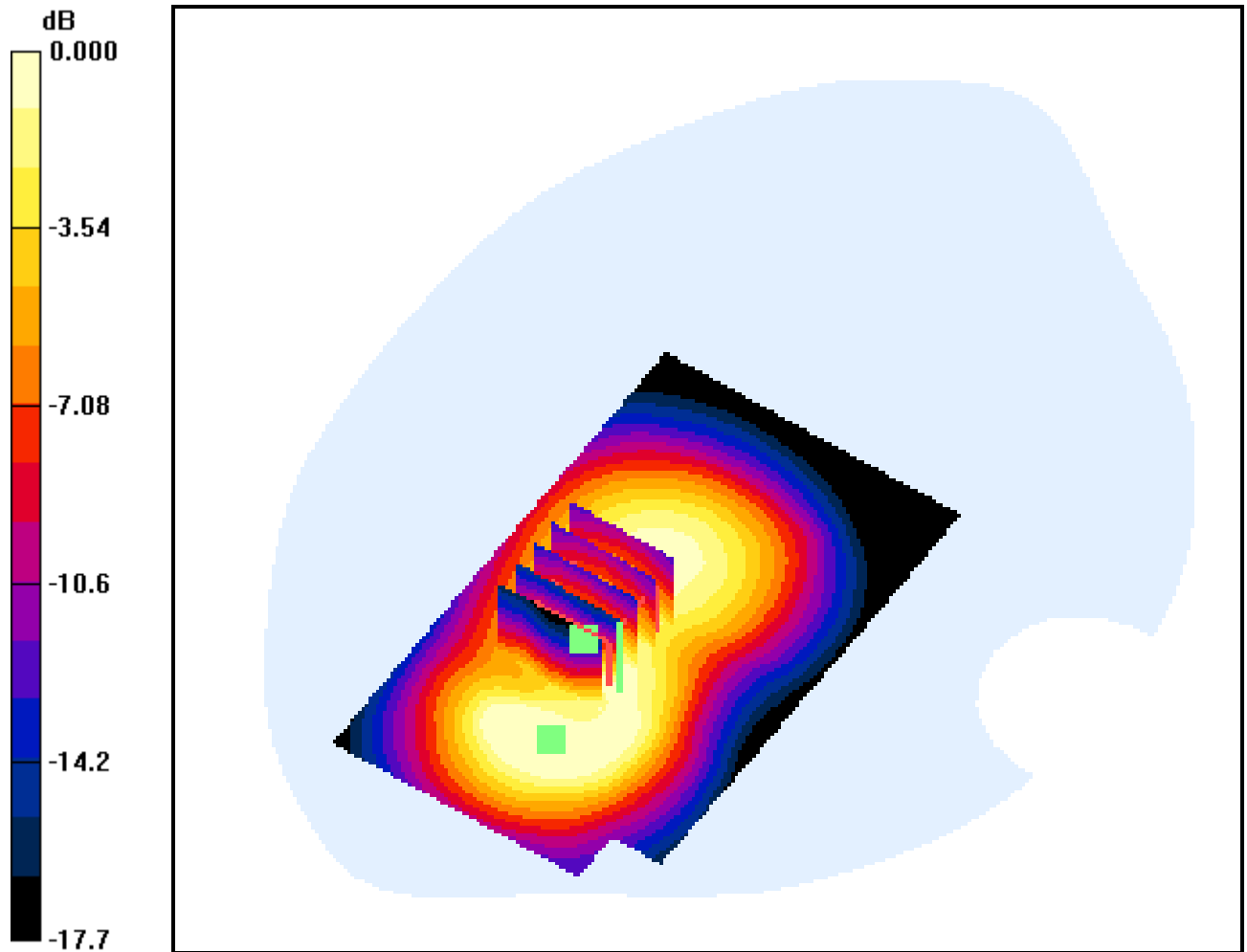
Area Scan (61x101x1): Measurement grid: dx=15mm, dy=15mm

Zoom Scan (5x5x7)/Cube 1: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Power Drift = -0.241 dB

Peak SAR (extrapolated) = 1.23 W/kg

SAR(1 g) = 0.664 mW/g; SAR(10 g) = 0.397 mW/g



0 dB = 0.850mW/g

DIGITAL EMC CO., LTD

DUT: SER-8189; Type: USB Modem

Communication System: FCC_PCS; Frequency: 1880 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 1880 \text{ MHz}$; $\sigma = 1.52 \text{ mho/m}$; $\epsilon_r = 53.9$; $\rho = 1000 \text{ kg/m}^3$
Phantom section: Flat Section

DASY4 Configuration:

Probe: EX3DV4 - SN3643; ConvF(7.59, 7.59, 7.59); Calibrated: 2010-01-26; Electronics: DAE3 Sn520
Phantom: SAM 1800/1900 MHz; Type: SAM; Serial: TP-1224
Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Test Date: 2010-08-31; Ambient Temp: 22.0; Tissue Temp: 23.0

1cm space from Body, Horizontal Up, CDMA PCS Ch. 600, Ant Internal

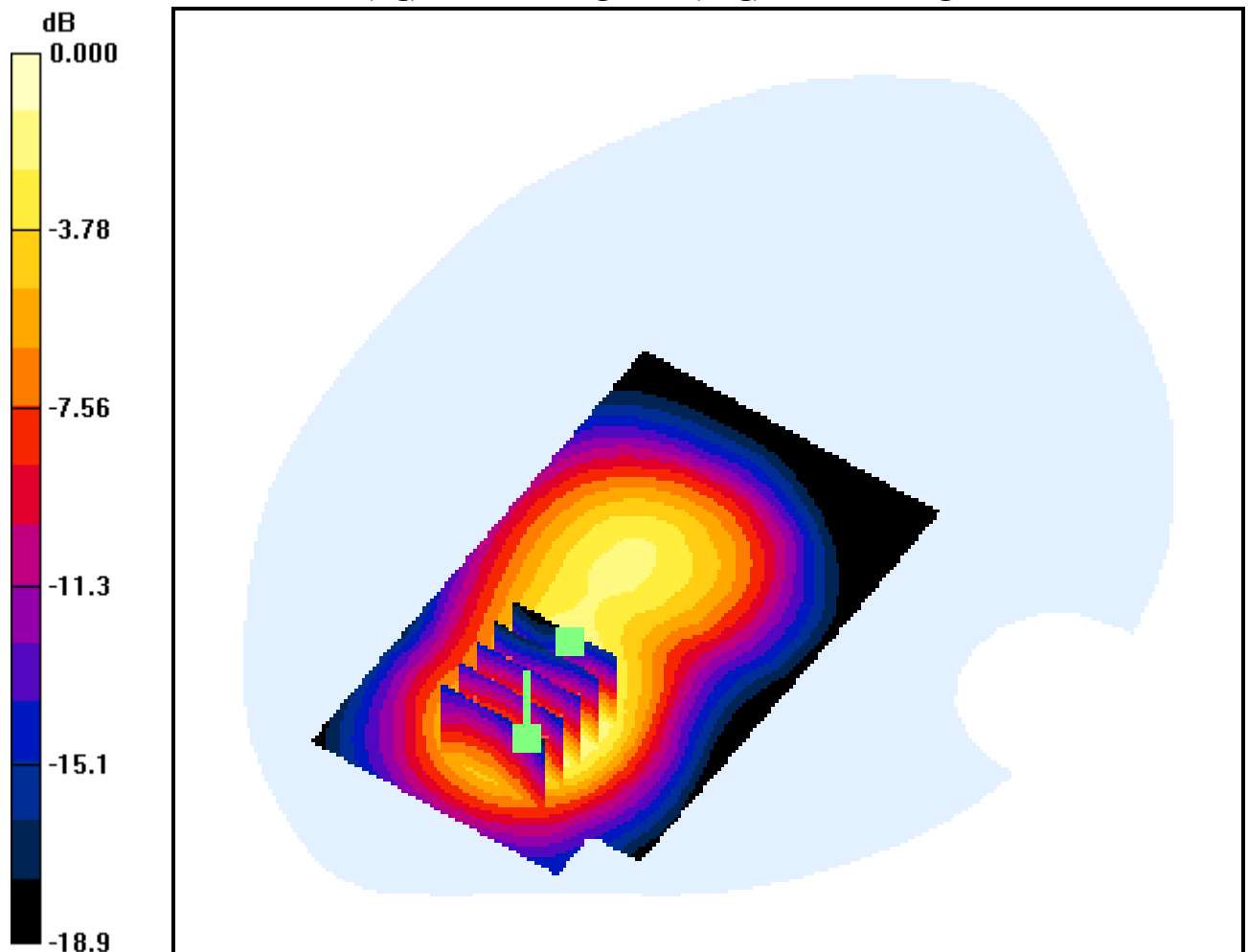
Area Scan (61x101x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

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

Power Drift = 0.173 dB

Peak SAR (extrapolated) = 1.58 W/kg

SAR(1 g) = 0.904 mW/g; SAR(10 g) = 0.465 mW/g



0 dB = 1.19mW/g

DIGITAL EMC CO., LTD

DUT: SER-8189; Type: USB Modem

Communication System: FCC_PCS; Frequency: 1880 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 1880 \text{ MHz}$; $\sigma = 1.52 \text{ mho/m}$; $\epsilon_r = 53.9$; $\rho = 1000 \text{ kg/m}^3$
Phantom section: Flat Section

DASY4 Configuration:

Probe: EX3DV4 - SN3643; ConvF(7.59, 7.59, 7.59); Calibrated: 2010-01-26; Electronics: DAE3 Sn520
Phantom: SAM 1800/1900 MHz; Type: SAM; Serial: TP-1224
Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Test Date: 2010-08-31; Ambient Temp: 22.0; Tissue Temp: 23.0

1cm space from Body, Horizontal Up, CDMA PCS Ch. 600, Ant Internal

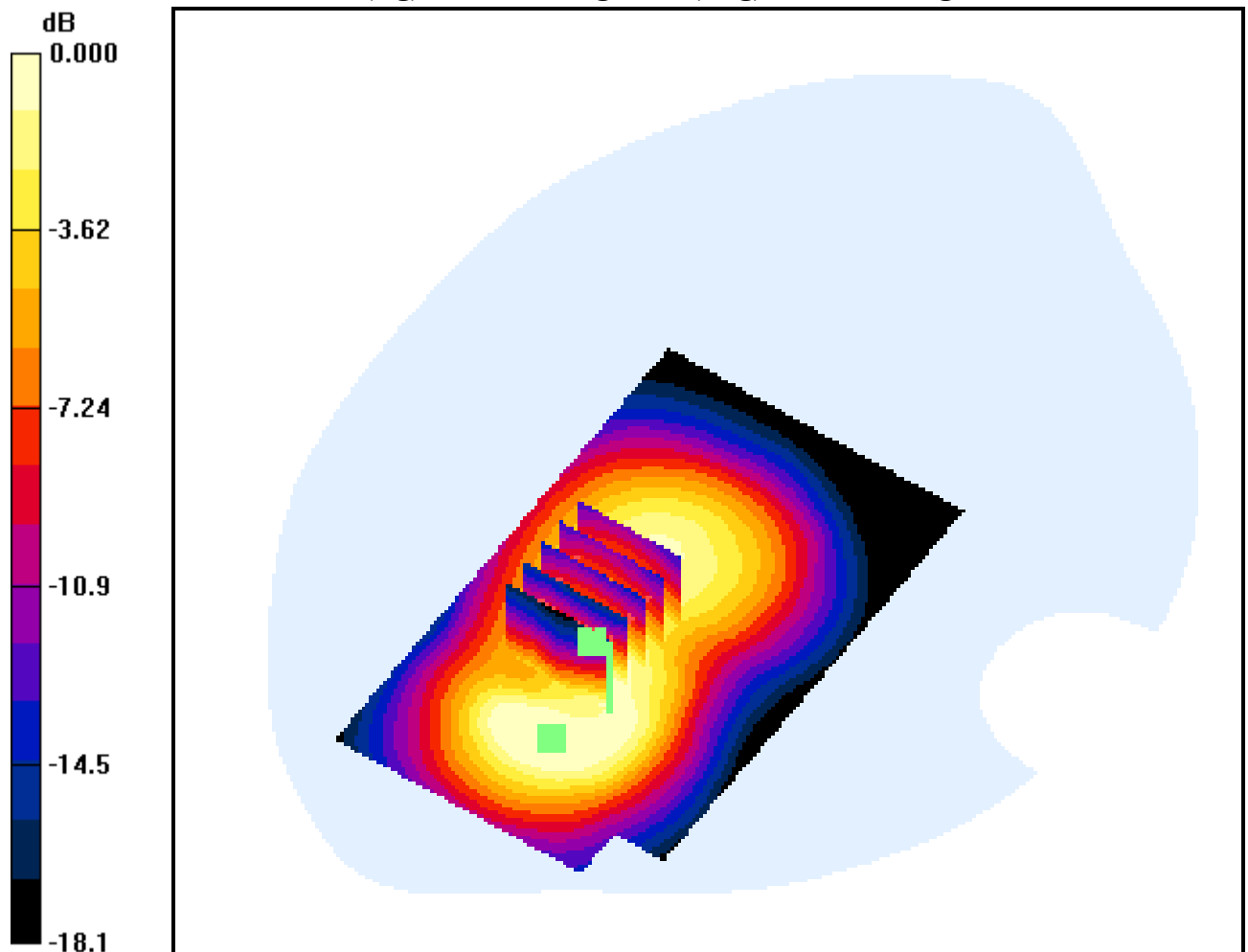
Area Scan (61x101x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

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

Power Drift = 0.173 dB

Peak SAR (extrapolated) = 1.24 W/kg

SAR(1 g) = 0.658 mW/g; SAR(10 g) = 0.386 mW/g



0 dB = 0.872mW/g

DIGITAL EMC CO., LTD

DUT: SER-8189; Type: USB Modem

Communication System: FCC_PCS; Frequency: 1908.75 MHz; Duty Cycle: 1:1
Medium parameters used (interpolated): $f = 1908.75$ MHz; $\sigma = 1.58$ mho/m; $\epsilon_r = 53.9$; $\rho = 1000$ kg/m³
Phantom section: Flat Section

DASY4 Configuration:

Probe: EX3DV4 - SN3643; ConvF(7.59, 7.59, 7.59); Calibrated: 2010-01-26; Electronics: DAE3 Sn520
Phantom: SAM 1800/1900 MHz; Type: SAM; Serial: TP-1224
Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Test Date: 2010-08-31; Ambient Temp: 22.0; Tissue Temp: 23.0

1cm space from Body, Horizontal Up, CDMA PCS Ch. 1175, Ant Internal

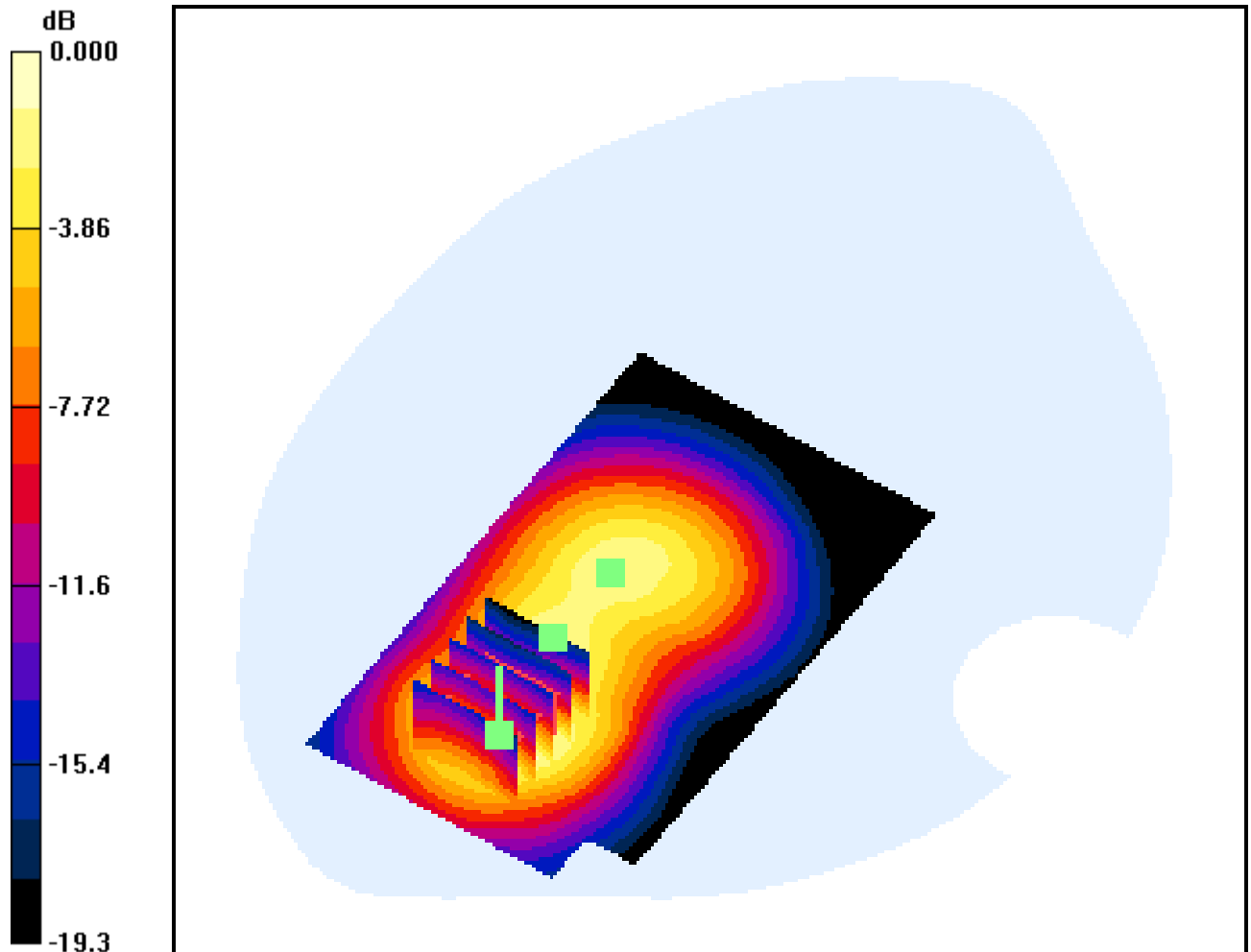
Area Scan (61x101x1): Measurement grid: dx=15mm, dy=15mm

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

Power Drift = -0.221 dB

Peak SAR (extrapolated) = 1.35 W/kg

SAR(1 g) = 0.801 mW/g; SAR(10 g) = 0.406 mW/g



0 dB = 1.01mW/g

DIGITAL EMC CO., LTD

DUT: SER-8189; Type: USB Modem

Communication System: FCC_PCS; Frequency: 1908.75 MHz; Duty Cycle: 1:1
Medium parameters used (interpolated): $f = 1908.75$ MHz; $\sigma = 1.58$ mho/m; $\epsilon_r = 53.9$; $\rho = 1000$ kg/m³
Phantom section: Flat Section

DASY4 Configuration:

Probe: EX3DV4 - SN3643; ConvF(7.59, 7.59, 7.59); Calibrated: 2010-01-26; Electronics: DAE3 Sn520
Phantom: SAM 1800/1900 MHz; Type: SAM; Serial: TP-1224
Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Test Date: 2010-08-31; Ambient Temp: 22.0; Tissue Temp: 23.0

1cm space from Body, Horizontal Up, CDMA PCS Ch. 1175, Ant Internal

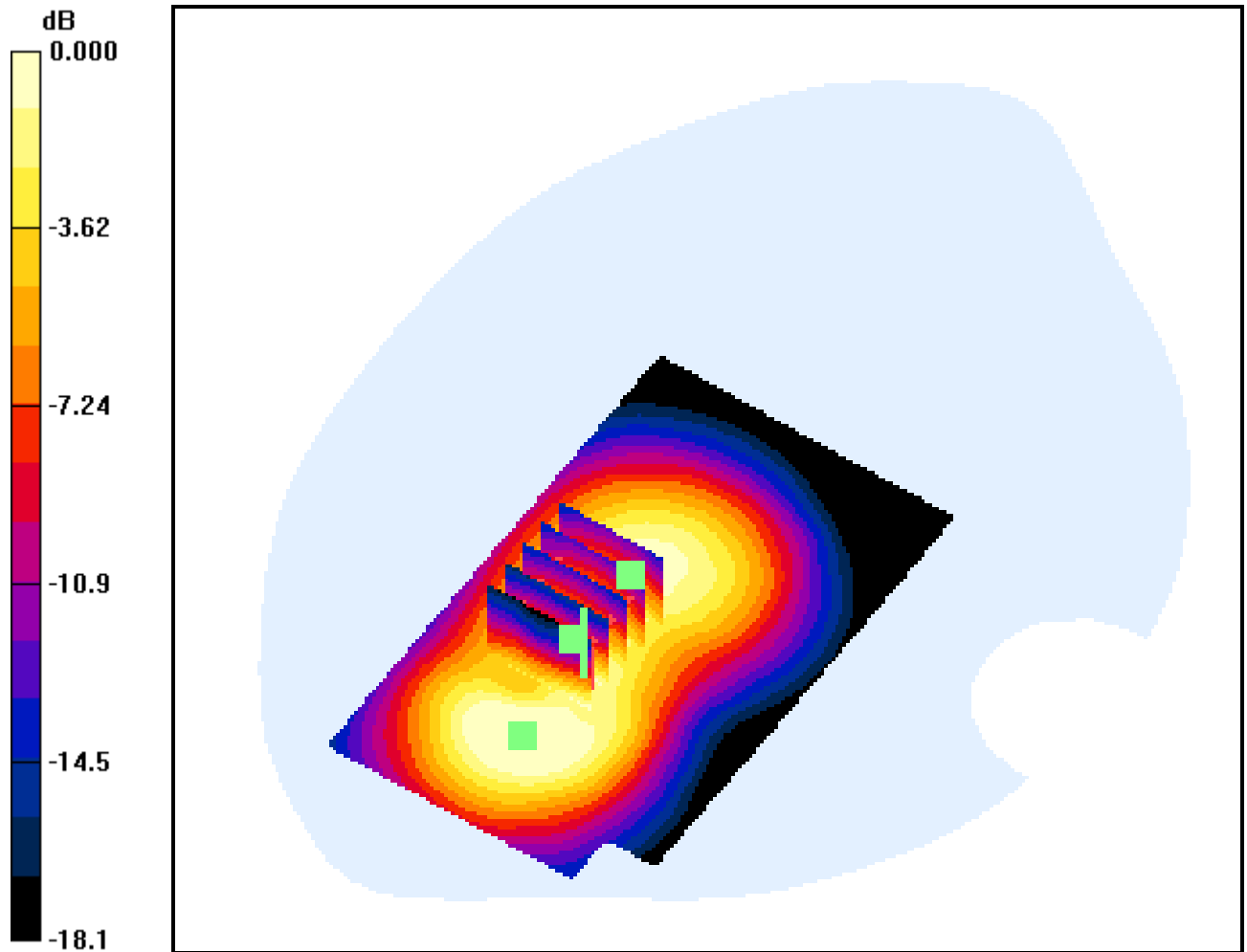
Area Scan (61x101x1): Measurement grid: dx=15mm, dy=15mm

Zoom Scan (5x5x7)/Cube 1: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Power Drift = -0.221 dB

Peak SAR (extrapolated) = 1.02 W/kg

SAR(1 g) = 0.586 mW/g; SAR(10 g) = 0.341 mW/g



0 dB = 0.747mW/g

DIGITAL EMC CO., LTD

DUT: SER-8189; Type: USB Modem

Communication System: FCC_PCS; Frequency: 1908.75 MHz; Duty Cycle: 1:1
Medium parameters used (interpolated): $f = 1908.75$ MHz; $\sigma = 1.58$ mho/m; $\epsilon_r = 53.9$; $\rho = 1000$ kg/m³
Phantom section: Flat Section

DASY4 Configuration:

Probe: EX3DV4 - SN3643; ConvF(7.59, 7.59, 7.59); Calibrated: 2010-01-26; Electronics: DAE3 Sn520
Phantom: SAM 1800/1900 MHz; Type: SAM; Serial: TP-1224
Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Test Date: 2010-08-31; Ambient Temp: 22.0; Tissue Temp: 23.0

1cm space from Body, Horizontal Up, CDMA PCS Ch. 1175, Ant Internal

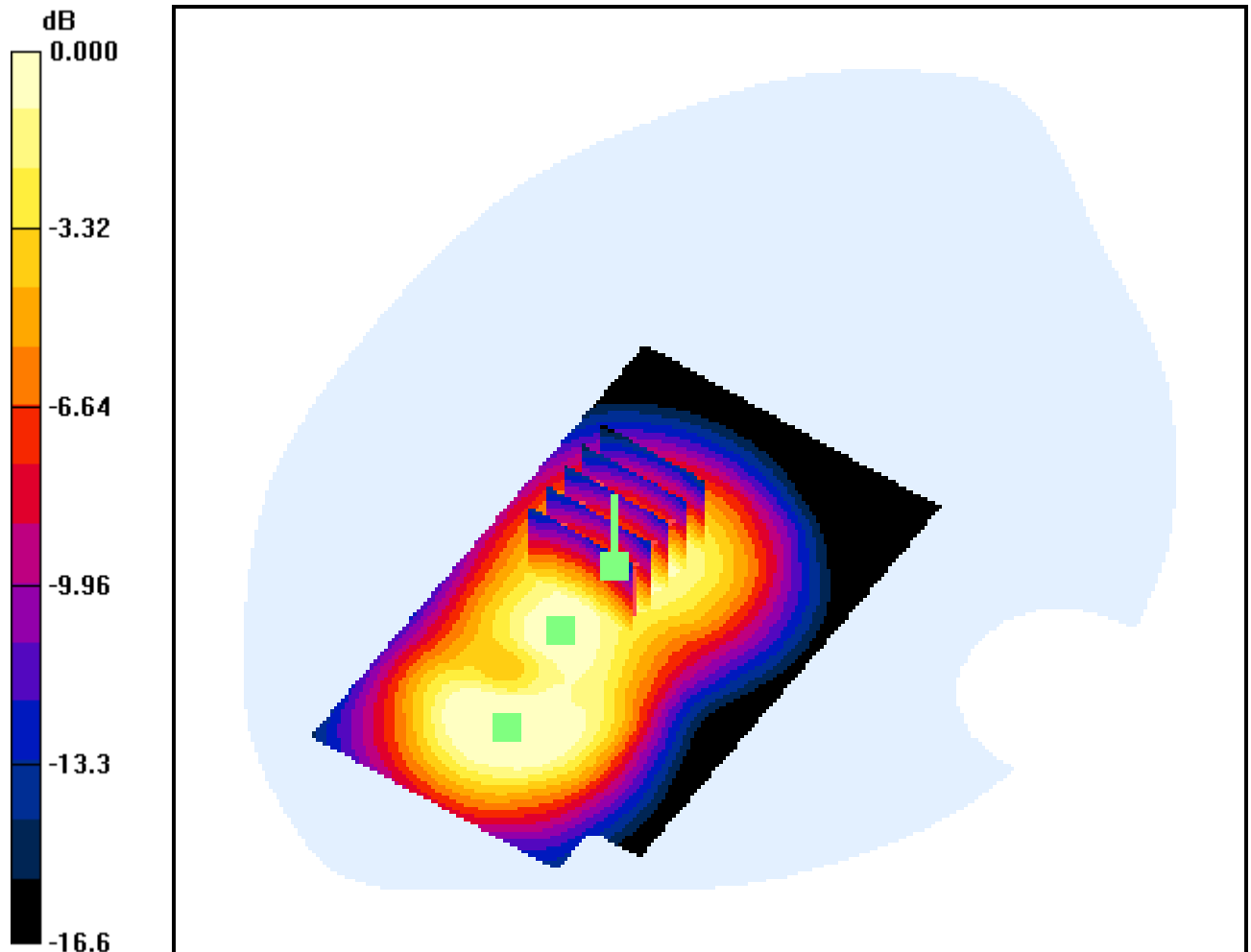
Area Scan (61x101x1): Measurement grid: dx=15mm, dy=15mm

Zoom Scan (5x5x7)/Cube 2: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Power Drift = -0.221 dB

Peak SAR (extrapolated) = 0.858 W/kg

SAR(1 g) = 0.543 mW/g; SAR(10 g) = 0.333 mW/g



DIGITAL EMC CO., LTD

DUT: SER-8189; Type: USB Modem

Communication System: FCC_PCS; Frequency: 1851.25 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 1851.33$ MHz; $\sigma = 1.48$ mho/m; $\epsilon_r = 54$; $\rho = 1000$ kg/m³
Phantom section: Flat Section

DASY4 Configuration:

Probe: EX3DV4 - SN3643; ConvF(7.59, 7.59, 7.59); Calibrated: 2010-01-26; Electronics: DAE3 Sn520
Phantom: SAM 1800/1900 MHz; Type: SAM; Serial: TP-1224
Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Test Date: 2010-08-31; Ambient Temp: 22.0; Tissue Temp: 23.0

1cm space from Body, Horizontal Down, CDMA PCS Ch. 25, Ant Internal

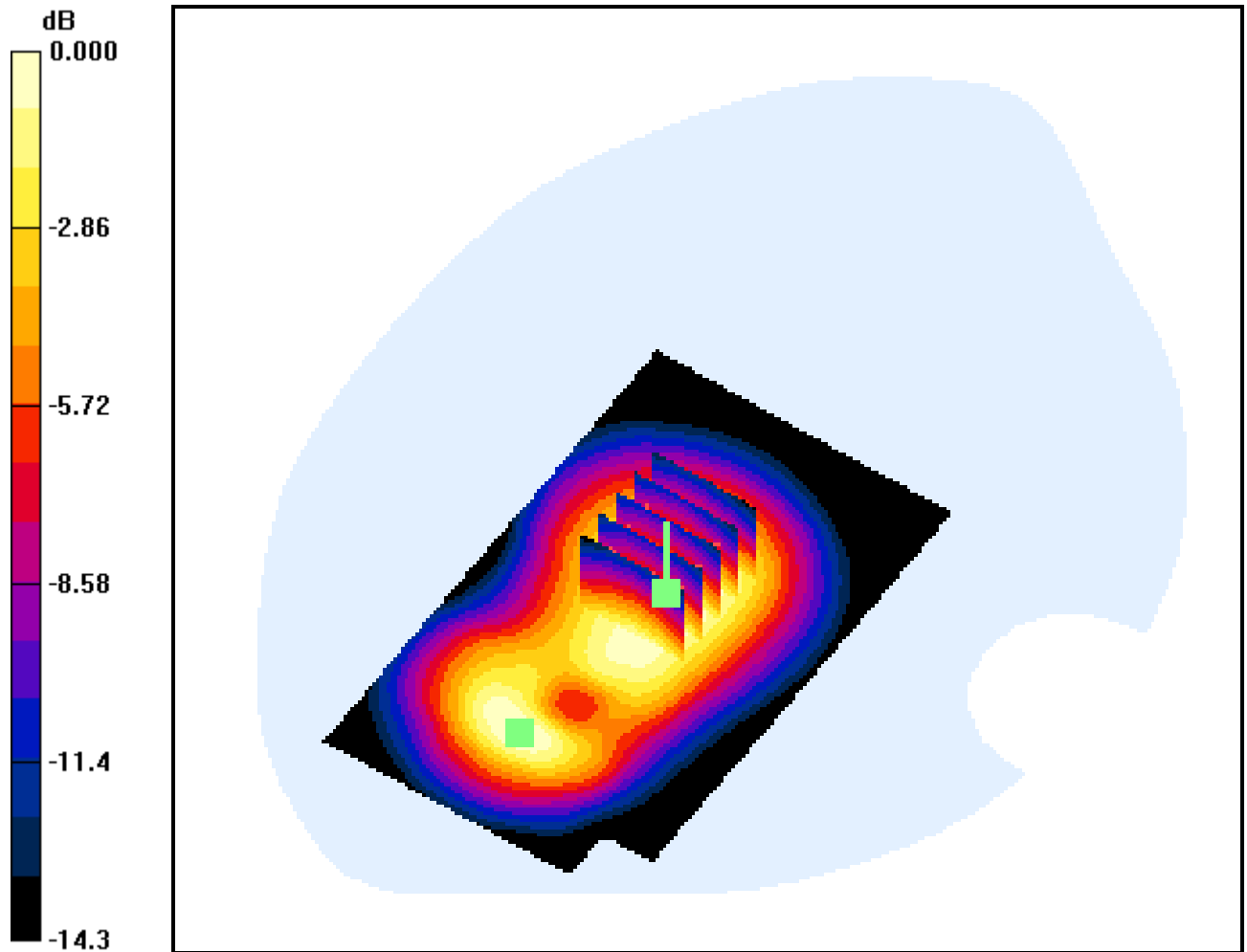
Area Scan (61x101x1): Measurement grid: dx=15mm, dy=15mm

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

Power Drift = 0.077 dB

Peak SAR (extrapolated) = 1.54 W/kg

SAR(1 g) = 0.982 mW/g; SAR(10 g) = 0.618 mW/g



0 dB = 1.22mW/g

DIGITAL EMC CO., LTD

DUT: SER-8189; Type: USB Modem

Communication System: FCC_PCS; Frequency: 1851.25 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 1851.33$ MHz; $\sigma = 1.48$ mho/m; $\epsilon_r = 54$; $\rho = 1000$ kg/m³
Phantom section: Flat Section

DASY4 Configuration:

Probe: EX3DV4 - SN3643; ConvF(7.59, 7.59, 7.59); Calibrated: 2010-01-26; Electronics: DAE3 Sn520
Phantom: SAM 1800/1900 MHz; Type: SAM; Serial: TP-1224
Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Test Date: 2010-08-31; Ambient Temp: 22.0; Tissue Temp: 23.0

1cm space from Body, Horizontal Down, CDMA PCS Ch. 25, Ant Internal

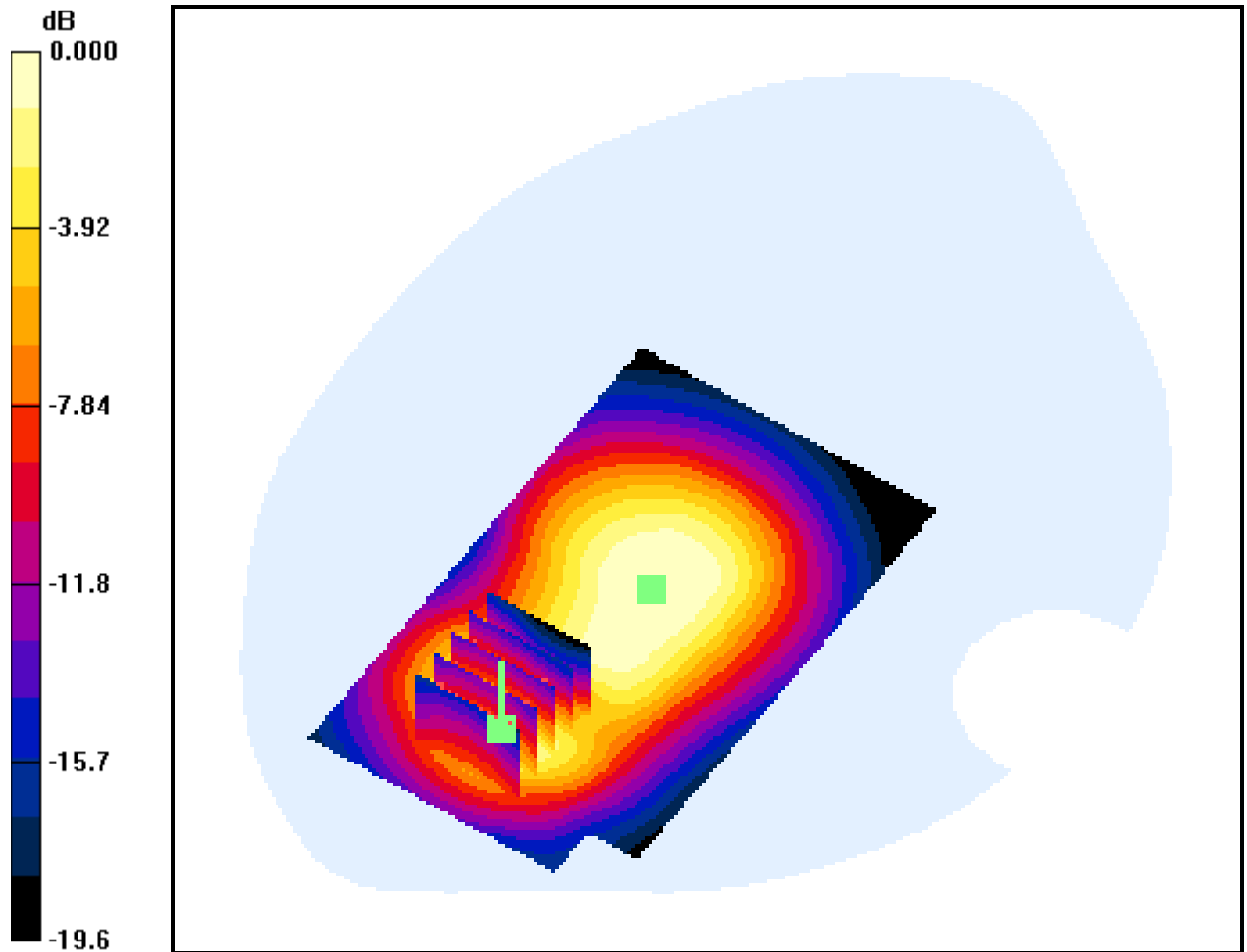
Area Scan (61x101x1): Measurement grid: dx=15mm, dy=15mm

Zoom Scan (5x5x7)/Cube 1: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Power Drift = 0.077 dB

Peak SAR (extrapolated) = 1.63 W/kg

SAR(1 g) = 0.924 mW/g; SAR(10 g) = 0.489 mW/g



0 dB = 1.21mW/g

DIGITAL EMC CO., LTD

DUT: SER-8189; Type: USB Modem

Communication System: FCC_PCS; Frequency: 1880 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 1880 \text{ MHz}$; $\sigma = 1.52 \text{ mho/m}$; $\epsilon_r = 53.9$; $\rho = 1000 \text{ kg/m}^3$
Phantom section: Flat Section

DASY4 Configuration:

Probe: EX3DV4 - SN3643; ConvF(7.59, 7.59, 7.59); Calibrated: 2010-01-26; Electronics: DAE3 Sn520
Phantom: SAM 1800/1900 MHz; Type: SAM; Serial: TP-1224
Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Test Date: 2010-08-31; Ambient Temp: 22.0; Tissue Temp: 23.0

1cm space from Body, Horizontal Down, CDMA PCS Ch. 600, Ant Internal

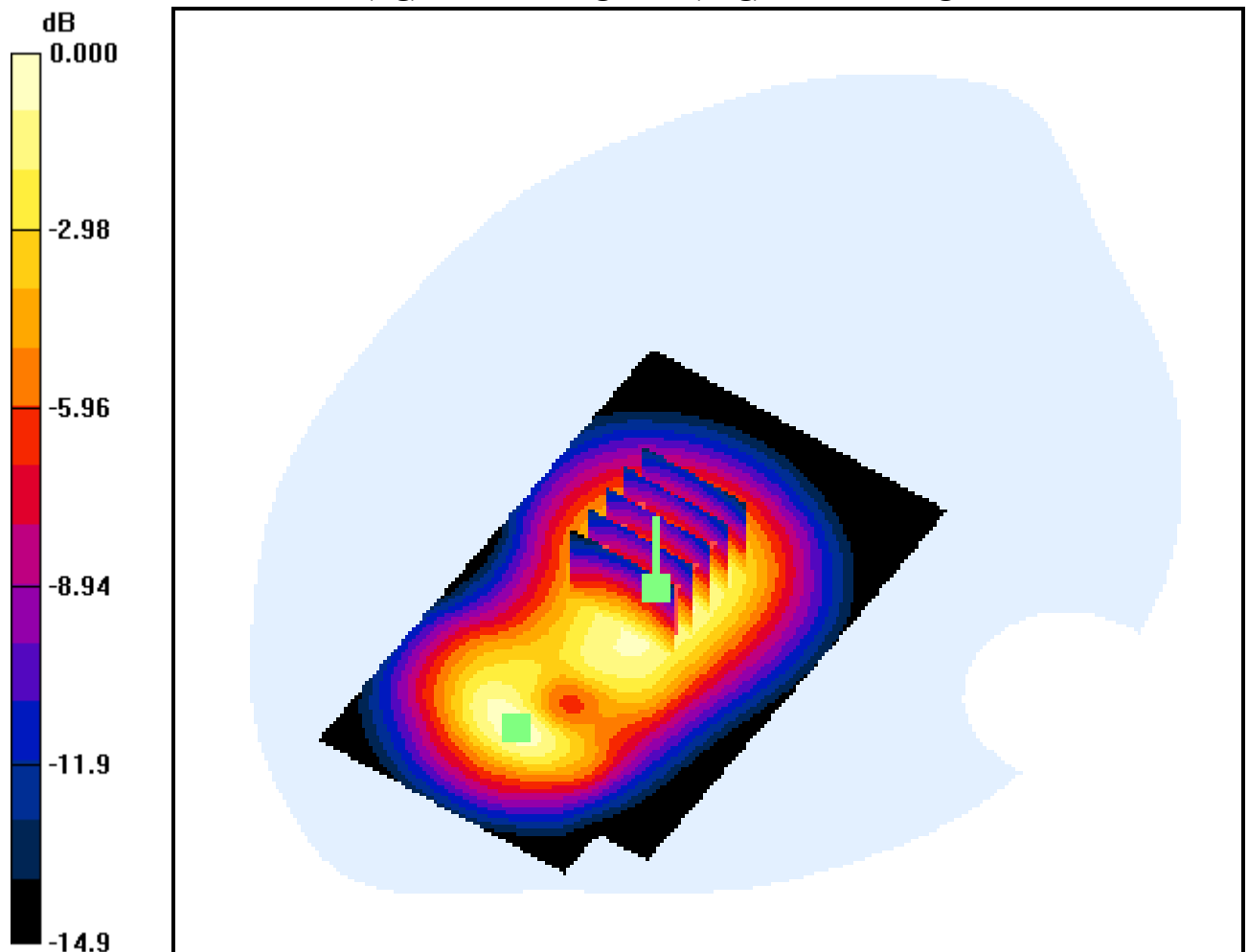
Area Scan (61x101x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

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

Power Drift = 0.119 dB

Peak SAR (extrapolated) = 1.50 W/kg

SAR(1 g) = 0.986 mW/g; SAR(10 g) = 0.617 mW/g



0 dB = 1.20mW/g

DIGITAL EMC CO., LTD

DUT: SER-8189; Type: USB Modem

Communication System: FCC_PCS; Frequency: 1880 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 1880 \text{ MHz}$; $\sigma = 1.52 \text{ mho/m}$; $\epsilon_r = 53.9$; $\rho = 1000 \text{ kg/m}^3$
Phantom section: Flat Section

DASY4 Configuration:

Probe: EX3DV4 - SN3643; ConvF(7.59, 7.59, 7.59); Calibrated: 2010-01-26; Electronics: DAE3 Sn520
Phantom: SAM 1800/1900 MHz; Type: SAM; Serial: TP-1224
Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Test Date: 2010-08-31; Ambient Temp: 22.0; Tissue Temp: 23.0

1cm space from Body, Horizontal Down, CDMA PCS Ch. 600, Ant Internal

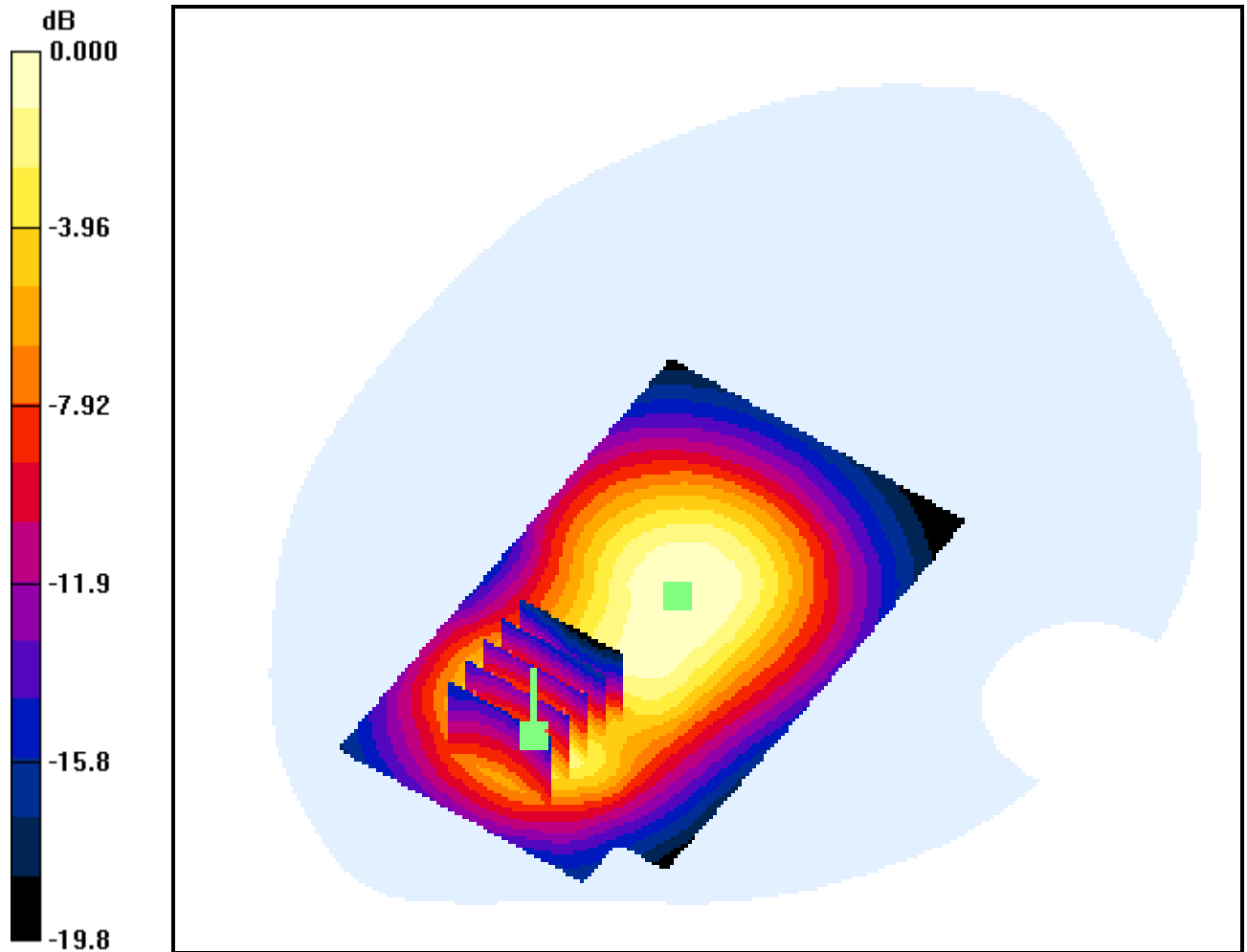
Area Scan (61x101x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

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

Power Drift = 0.119 dB

Peak SAR (extrapolated) = 1.54 W/kg

SAR(1 g) = 0.856 mW/g; SAR(10 g) = 0.453 mW/g



0 dB = 1.16mW/g

DIGITAL EMC CO., LTD

DUT: SER-8189; Type: USB Modem

Communication System: FCC_PCS; Frequency: 1908.75 MHz; Duty Cycle: 1:1
Medium parameters used (interpolated): $f = 1908.75$ MHz; $\sigma = 1.58$ mho/m; $\epsilon_r = 53.9$; $\rho = 1000$ kg/m³
Phantom section: Flat Section

DASY4 Configuration:

Probe: EX3DV4 - SN3643; ConvF(7.59, 7.59, 7.59); Calibrated: 2010-01-26; Electronics: DAE3 Sn520
Phantom: SAM 1800/1900 MHz; Type: SAM; Serial: TP-1224
Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Test Date: 2010-08-31; Ambient Temp: 22.0; Tissue Temp: 23.0

1cm space from Body, Horizontal Down, CDMA PCS Ch. 1175, Ant Internal

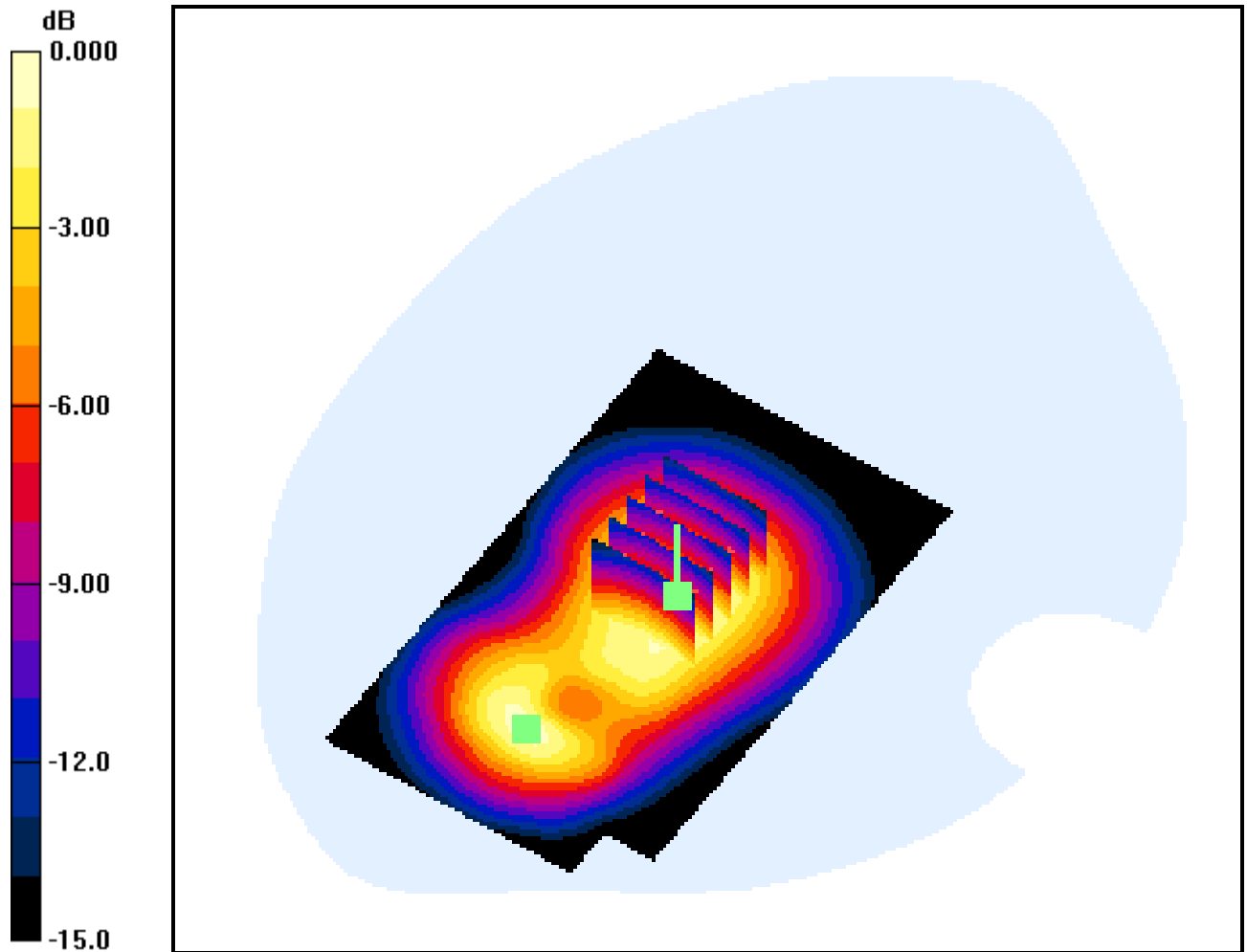
Area Scan (61x101x1): Measurement grid: dx=15mm, dy=15mm

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

Power Drift = 0.019 dB

Peak SAR (extrapolated) = 1.61 W/kg

SAR(1 g) = 1.03 mW/g; SAR(10 g) = 0.642 mW/g



0 dB = 1.25mW/g

DIGITAL EMC CO., LTD

DUT: SER-8189; Type: USB Modem

Communication System: FCC_PCS; Frequency: 1908.75 MHz; Duty Cycle: 1:1
Medium parameters used (interpolated): $f = 1908.75$ MHz; $\sigma = 1.58$ mho/m; $\epsilon_r = 53.9$; $\rho = 1000$ kg/m³
Phantom section: Flat Section

DASY4 Configuration:

Probe: EX3DV4 - SN3643; ConvF(7.59, 7.59, 7.59); Calibrated: 2010-01-26; Electronics: DAE3 Sn520
Phantom: SAM 1800/1900 MHz; Type: SAM; Serial: TP-1224
Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Test Date: 2010-08-31; Ambient Temp: 22.0; Tissue Temp: 23.0

1cm space from Body, Horizontal Down, CDMA PCS Ch. 1175, Ant Internal

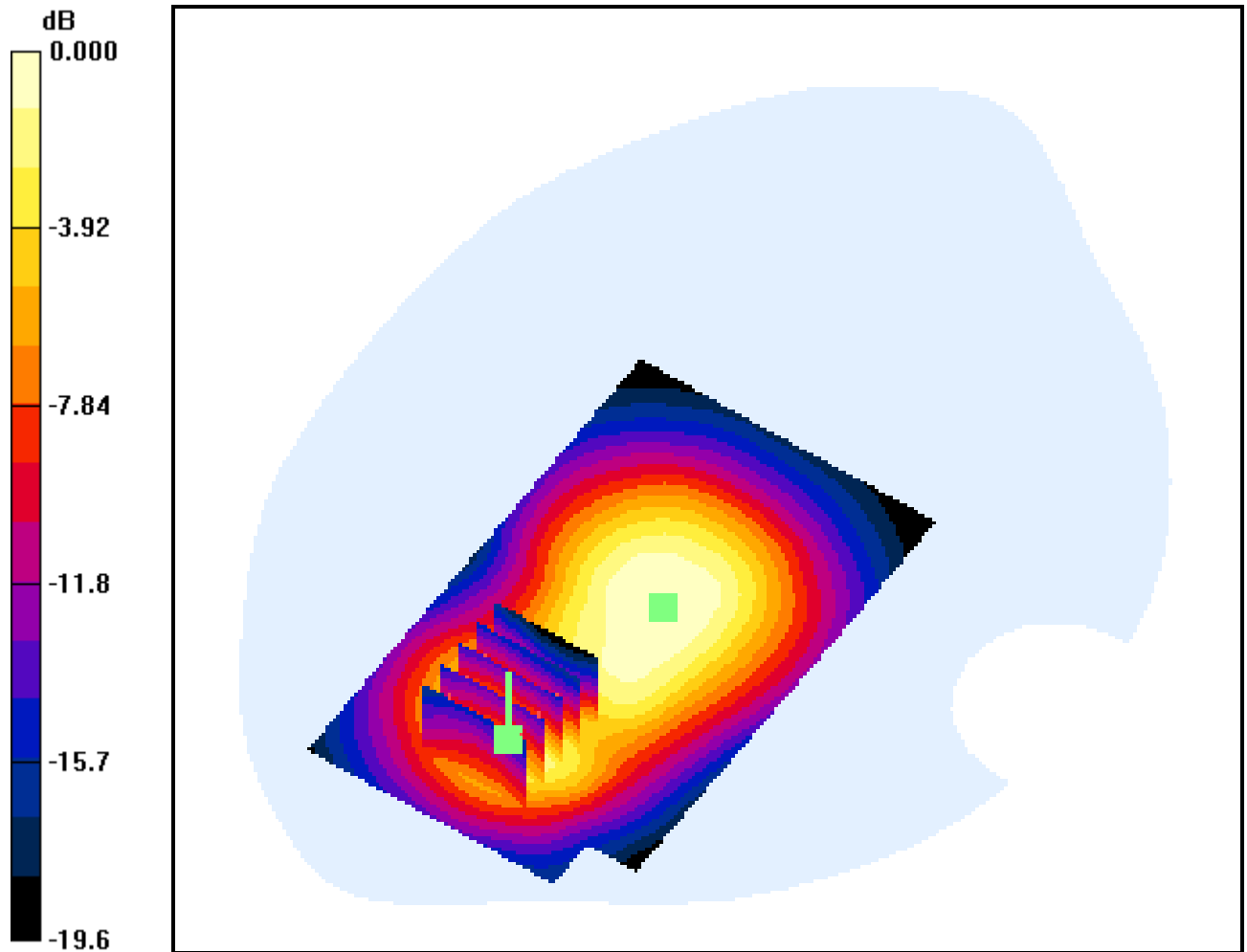
Area Scan (61x101x1): Measurement grid: dx=15mm, dy=15mm

Zoom Scan (5x5x7)/Cube 1: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Power Drift = 0.019 dB

Peak SAR (extrapolated) = 1.56 W/kg

SAR(1 g) = 0.871 mW/g; SAR(10 g) = 0.457 mW/g



0 dB = 1.19mW/g

DIGITAL EMC CO., LTD

DUT: SER-8189; Type: USB Modem

Communication System: FCC_PCS; Frequency: 1880 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 1880 \text{ MHz}$; $\sigma = 1.52 \text{ mho/m}$; $\epsilon_r = 53.9$; $\rho = 1000 \text{ kg/m}^3$
Phantom section: Flat Section

DASY4 Configuration:

Probe: EX3DV4 - SN3643; ConvF(7.59, 7.59, 7.59); Calibrated: 2010-01-26; Electronics: DAE3 Sn520
Phantom: SAM 1800/1900 MHz; Type: SAM; Serial: TP-1224
Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Test Date: 2010-08-31; Ambient Temp: 22.0; Tissue Temp: 23.0

1cm space from Body, Vertical Front, CDMA PCS Ch. 600, Ant Internal

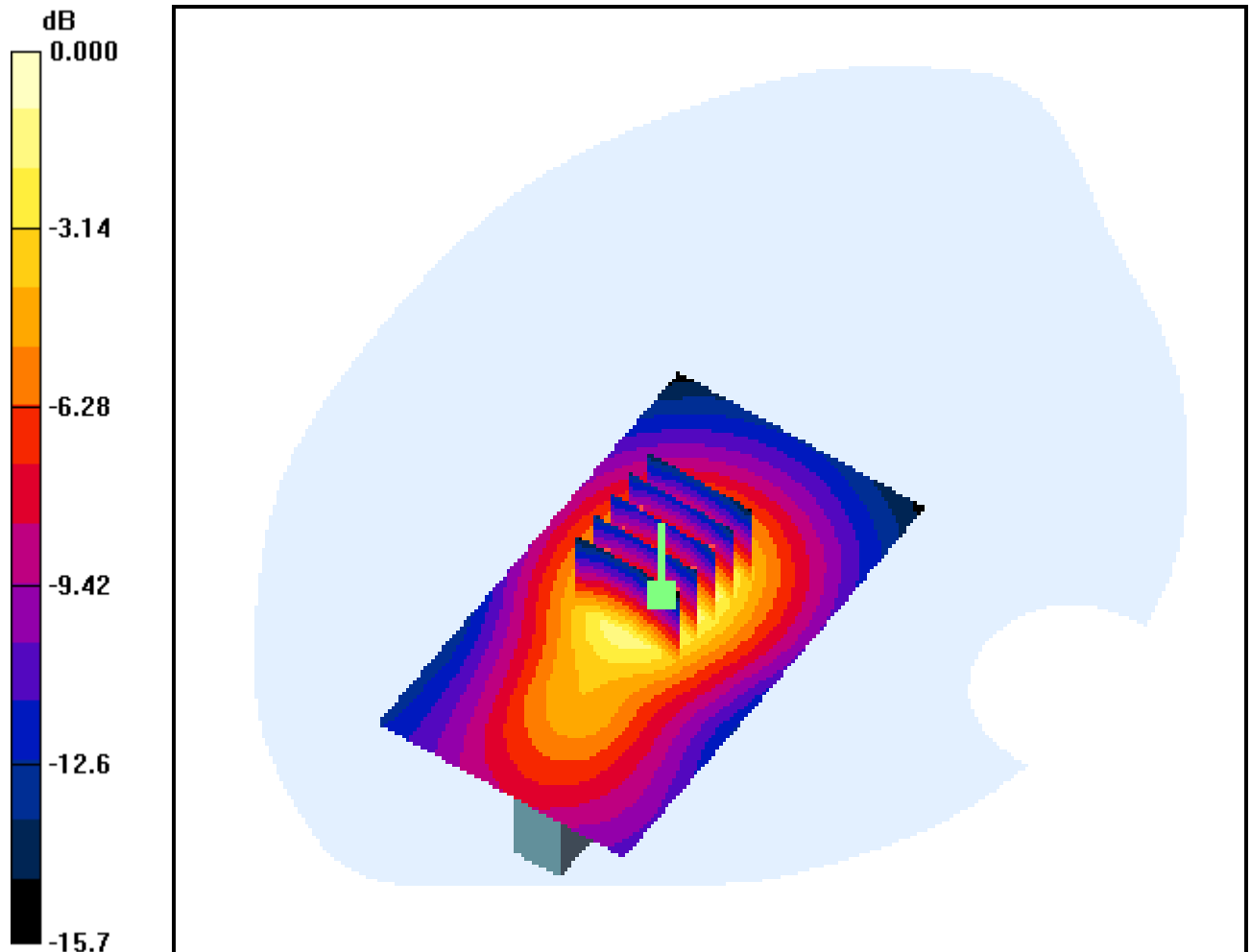
Area Scan (51x91x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

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

Power Drift = -0.128 dB

Peak SAR (extrapolated) = 1.17 W/kg

SAR(1 g) = 0.726 mW/g; SAR(10 g) = 0.431 mW/g



0 dB = 0.918mW/g

DIGITAL EMC CO., LTD

DUT: SER-8189; Type: USB Modem

Communication System: FCC_PCS; Frequency: 1880 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 1880 \text{ MHz}$; $\sigma = 1.52 \text{ mho/m}$; $\epsilon_r = 53.9$; $\rho = 1000 \text{ kg/m}^3$
Phantom section: Flat Section

DASY4 Configuration:

Probe: EX3DV4 - SN3643; ConvF(7.59, 7.59, 7.59); Calibrated: 2010-01-26; Electronics: DAE3 Sn520
Phantom: SAM 1800/1900 MHz; Type: SAM; Serial: TP-1224
Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Test Date: 2010-08-31; Ambient Temp: 22.0; Tissue Temp: 23.0

1cm space from Body, Vertical Back, CDMA PCS Ch. 600, Ant Internal

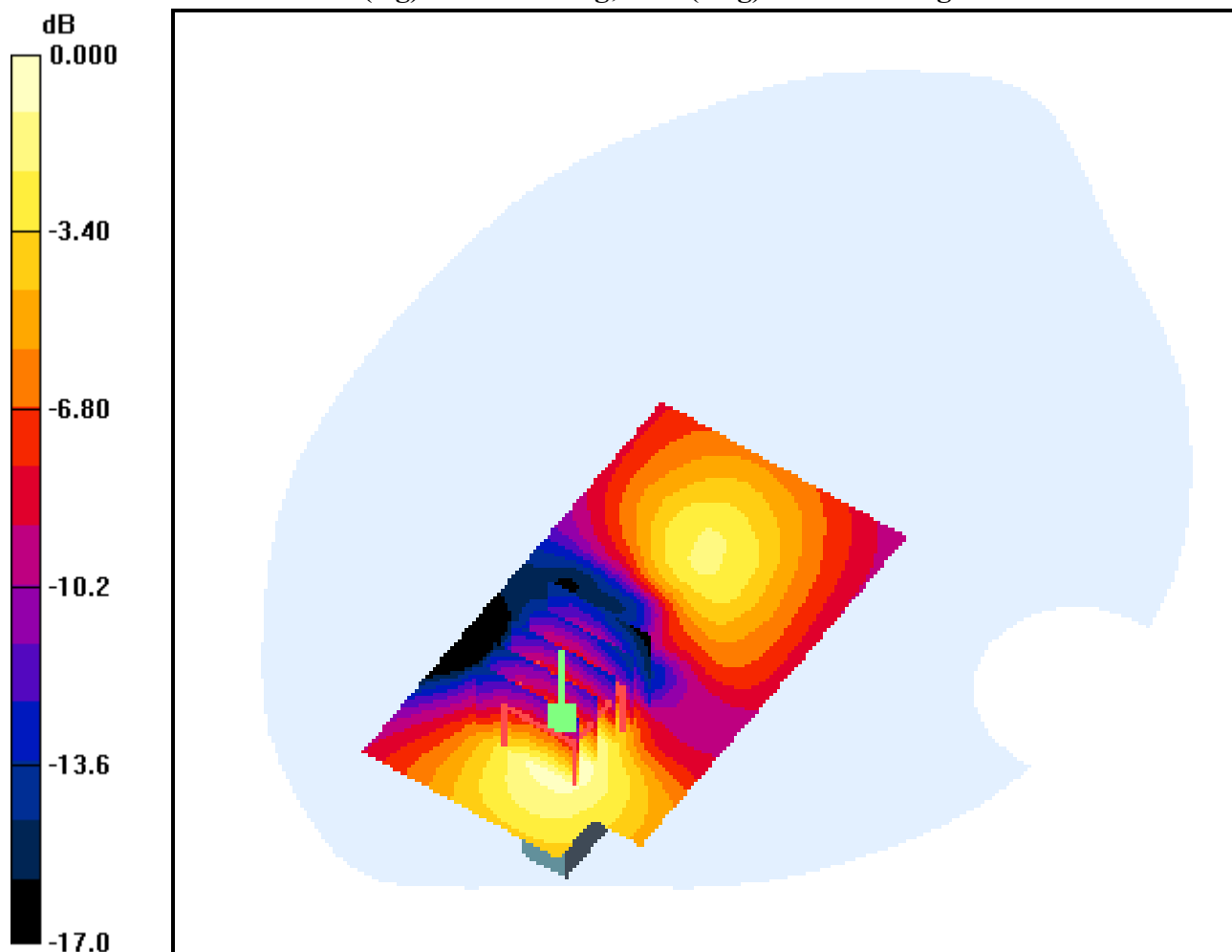
Area Scan (51x91x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

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

Power Drift = -0.016 dB

Peak SAR (extrapolated) = 0.254 W/kg

SAR(1 g) = 0.151 mW/g; SAR(10 g) = 0.087 mW/g



0 dB = 0.187mW/g

DIGITAL EMC CO., LTD

DUT: SER-8189; Type: USB Modem

Communication System: FCC_PCS; Frequency: 1851.25 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 1851.33$ MHz; $\sigma = 1.48$ mho/m; $\epsilon_r = 54$; $\rho = 1000$ kg/m³
Phantom section: Flat Section

DASY4 Configuration:

Probe: EX3DV4 - SN3643; ConvF(7.59, 7.59, 7.59); Calibrated: 2010-01-26; Electronics: DAE3 Sn520
Phantom: SAM 1800/1900 MHz; Type: SAM; Serial: TP-1224
Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Test Date: 2010-08-31; Ambient Temp: 22.0; Tissue Temp: 23.0

1cm space from Body, Horizontal Down, CDMA PCS Ch. 25, Ant Internal, EV-DO Rev. A

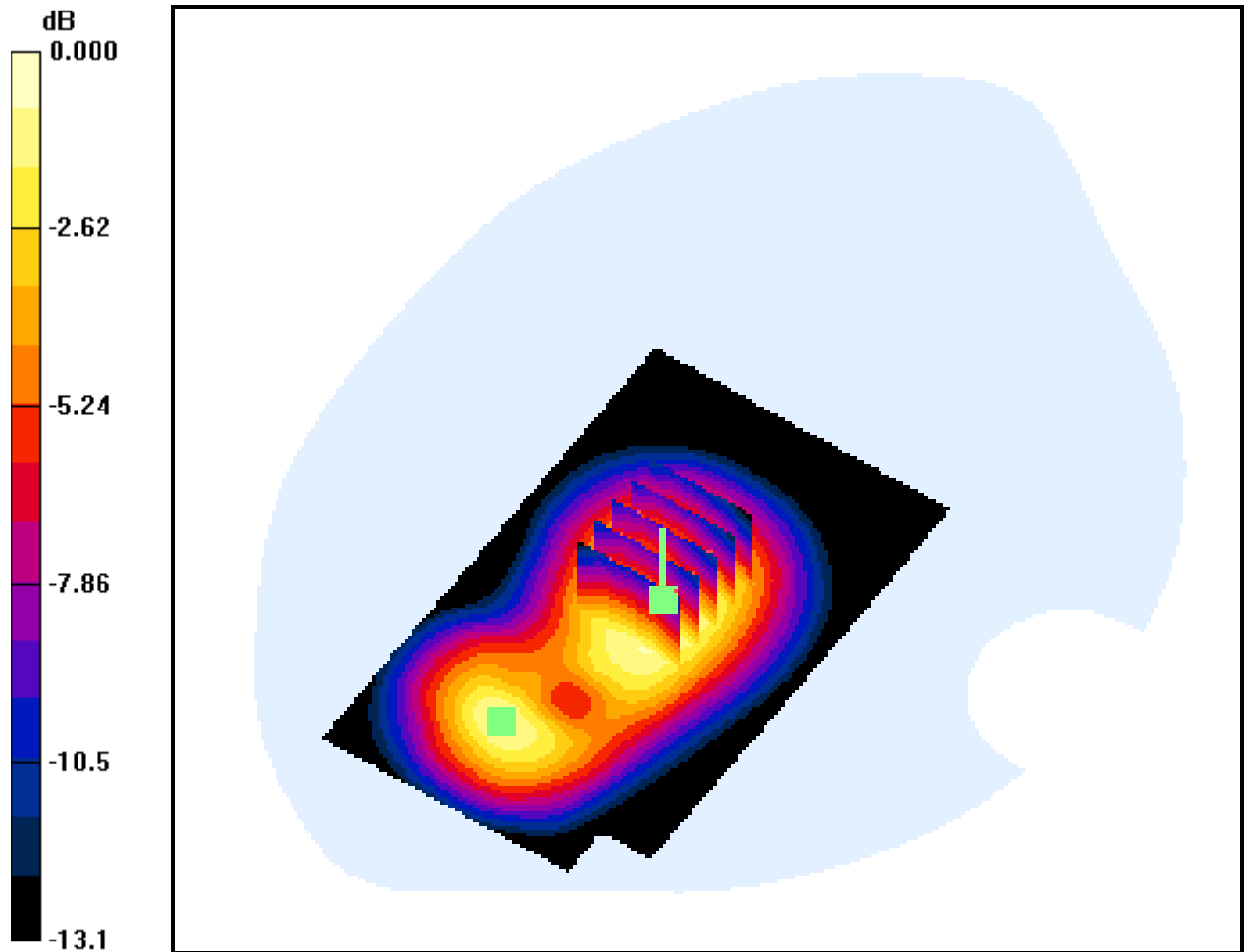
Area Scan (61x101x1): Measurement grid: dx=15mm, dy=15mm

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

Power Drift = 0.308 dB

Peak SAR (extrapolated) = 1.41 W/kg

SAR(1 g) = 0.986 mW/g; SAR(10 g) = 0.652 mW/g



0 dB = 1.16mW/g

DIGITAL EMC CO., LTD

DUT: SER-8189; Type: USB Modem

Communication System: FCC_PCS; Frequency: 1851.25 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 1851.33$ MHz; $\sigma = 1.48$ mho/m; $\epsilon_r = 54$; $\rho = 1000$ kg/m³
Phantom section: Flat Section

DASY4 Configuration:

Probe: EX3DV4 - SN3643; ConvF(7.59, 7.59, 7.59); Calibrated: 2010-01-26; Electronics: DAE3 Sn520
Phantom: SAM 1800/1900 MHz; Type: SAM; Serial: TP-1224
Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Test Date: 2010-08-31; Ambient Temp: 22.0; Tissue Temp: 23.0

1cm space from Body, Horizontal Down, CDMA PCS Ch. 25, Ant Internal, EV-DO Rev. A

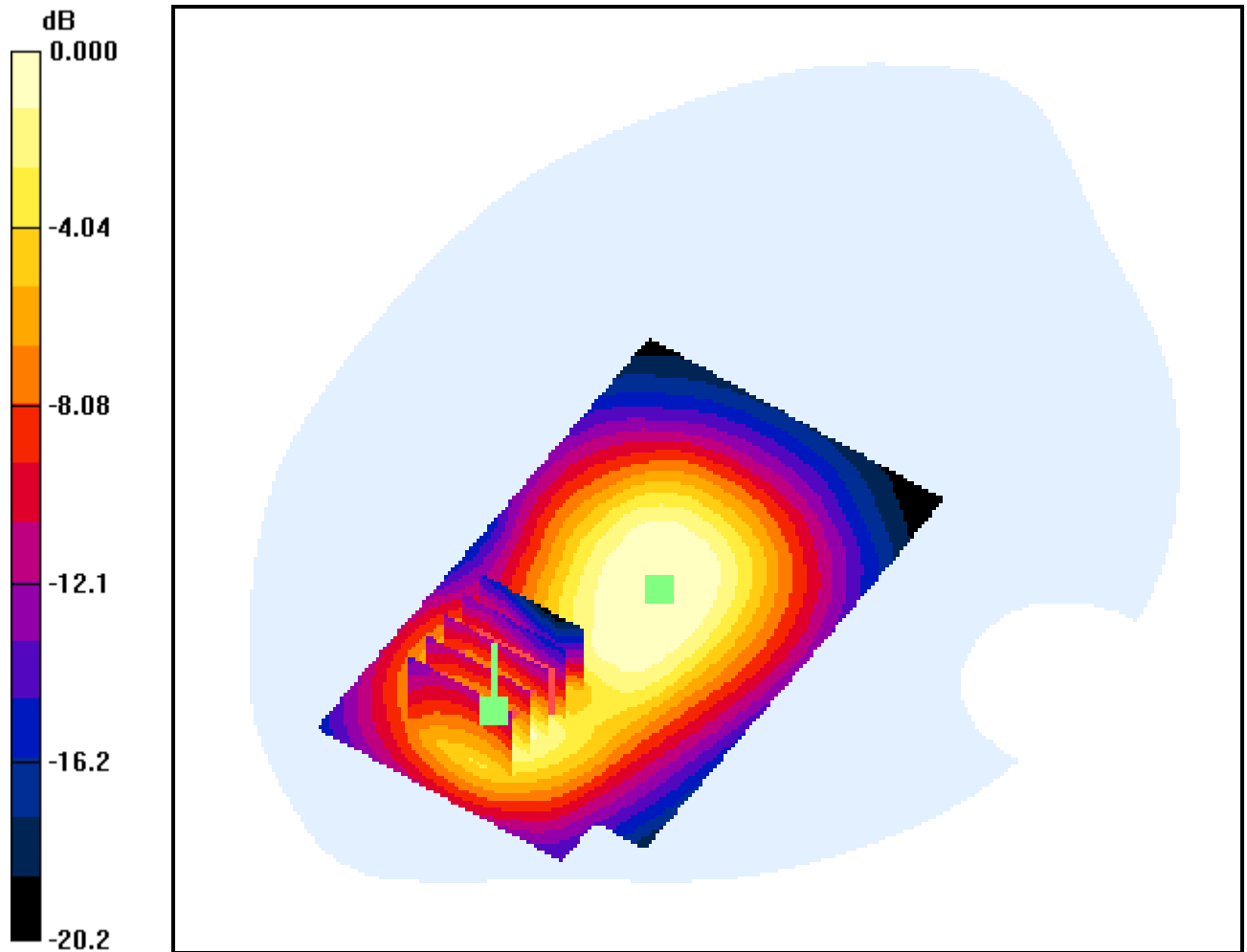
Area Scan (61x101x1): Measurement grid: dx=15mm, dy=15mm

Zoom Scan (5x5x7)/Cube 1: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Power Drift = 0.308 dB

Peak SAR (extrapolated) = 1.29 W/kg

SAR(1 g) = 0.780 mW/g; SAR(10 g) = 0.428 mW/g



0 dB = 0.971mW/g

DIGITAL EMC CO., LTD

DUT: SER-8189; Type: USB Modem

Communication System: FCC_PCS; Frequency: 1880 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 1880 \text{ MHz}$; $\sigma = 1.52 \text{ mho/m}$; $\epsilon_r = 53.9$; $\rho = 1000 \text{ kg/m}^3$
Phantom section: Flat Section

DASY4 Configuration:

Probe: EX3DV4 - SN3643; ConvF(7.59, 7.59, 7.59); Calibrated: 2010-01-26; Electronics: DAE3 Sn520
Phantom: SAM 1800/1900 MHz; Type: SAM; Serial: TP-1224
Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Test Date: 2010-08-31; Ambient Temp: 22.0; Tissue Temp: 23.0

1cm space from Body, Horizontal Down, CDMA PCS Ch. 600, Ant Internal, EV-DO Rev. A

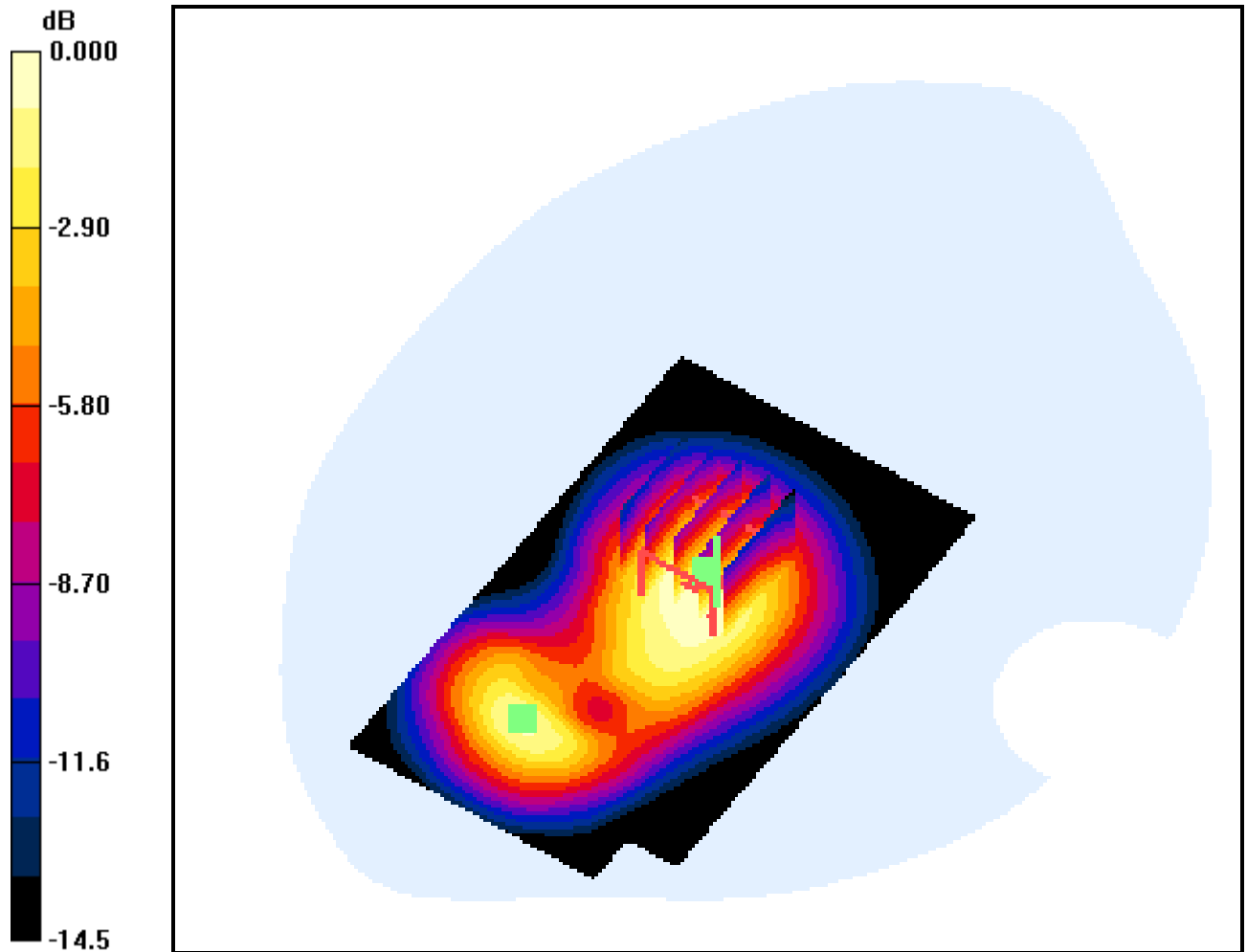
Area Scan (61x101x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

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

Power Drift = 0.345 dB

Peak SAR (extrapolated) = 1.67 W/kg

SAR(1 g) = 1.11 mW/g; SAR(10 g) = 0.722 mW/g



0 dB = 1.31mW/g

DIGITAL EMC CO., LTD

DUT: SER-8189; Type: USB Modem

Communication System: FCC_PCS; Frequency: 1880 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 1880 \text{ MHz}$; $\sigma = 1.52 \text{ mho/m}$; $\epsilon_r = 53.9$; $\rho = 1000 \text{ kg/m}^3$
Phantom section: Flat Section

DASY4 Configuration:

Probe: EX3DV4 - SN3643; ConvF(7.59, 7.59, 7.59); Calibrated: 2010-01-26; Electronics: DAE3 Sn520
Phantom: SAM 1800/1900 MHz; Type: SAM; Serial: TP-1224
Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Test Date: 2010-08-31; Ambient Temp: 22.0; Tissue Temp: 23.0

1cm space from Body, Horizontal Down, CDMA PCS Ch. 600, Ant Internal, EV-DO Rev. A

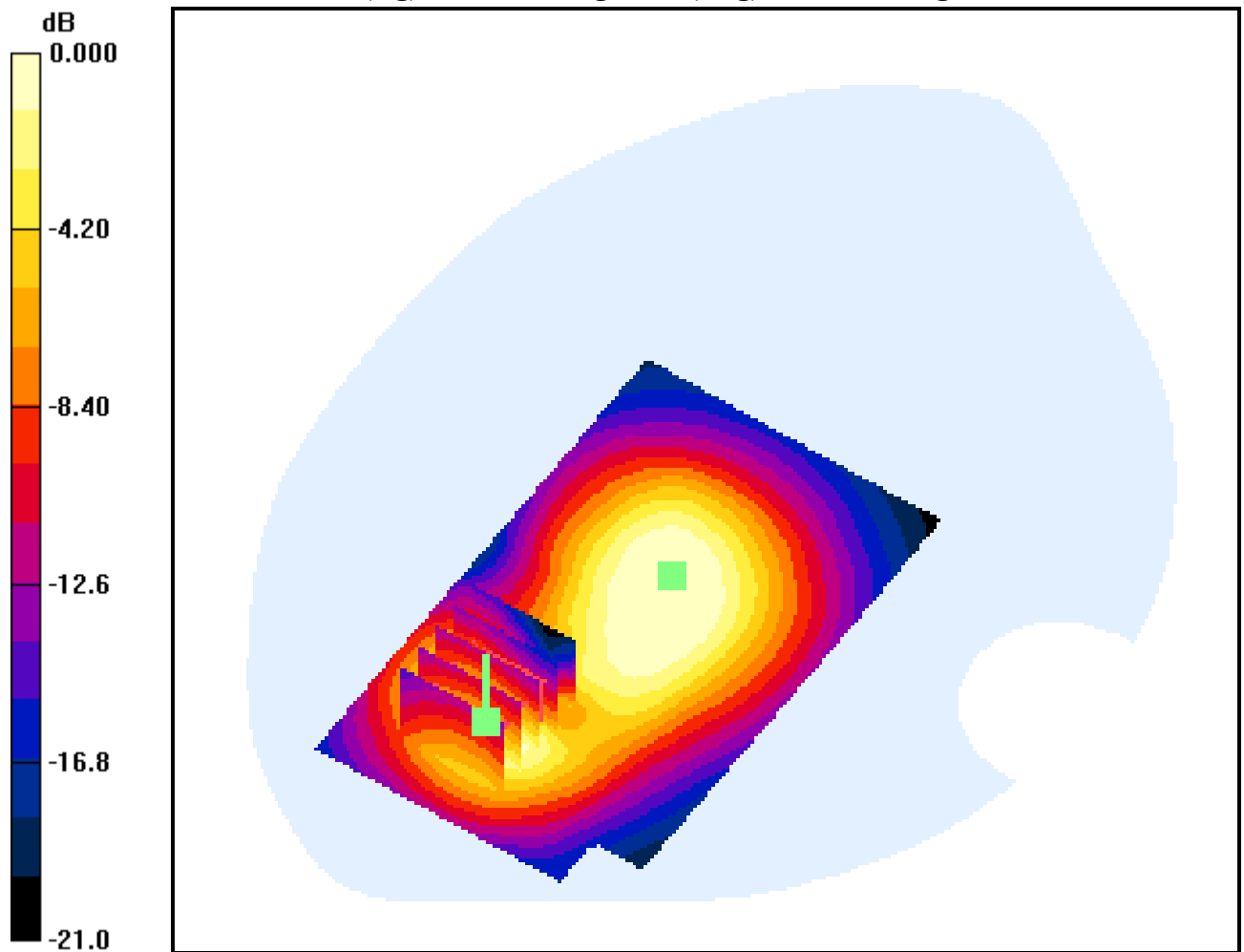
Area Scan (61x101x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

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

Power Drift = 0.345 dB

Peak SAR (extrapolated) = 1.44 W/kg

SAR(1 g) = 0.855 mW/g; SAR(10 g) = 0.460 mW/g



0 dB = 1.11mW/g

DIGITAL EMC CO., LTD

DUT: SER-8189; Type: USB Modem

Communication System: FCC_PCS; Frequency: 1908.75 MHz; Duty Cycle: 1:1
Medium parameters used (interpolated): $f = 1908.75$ MHz; $\sigma = 1.58$ mho/m; $\epsilon_r = 53.9$; $\rho = 1000$ kg/m³
Phantom section: Flat Section

DASY4 Configuration:

Probe: EX3DV4 - SN3643; ConvF(7.59, 7.59, 7.59); Calibrated: 2010-01-26; Electronics: DAE3 Sn520
Phantom: SAM 1800/1900 MHz; Type: SAM; Serial: TP-1224
Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Test Date: 2010-08-31; Ambient Temp: 22.0; Tissue Temp: 23.0

1cm space from Body, Horizontal Down, CDMA PCS Ch. 1175, Ant Internal, EV-DO Rev. A

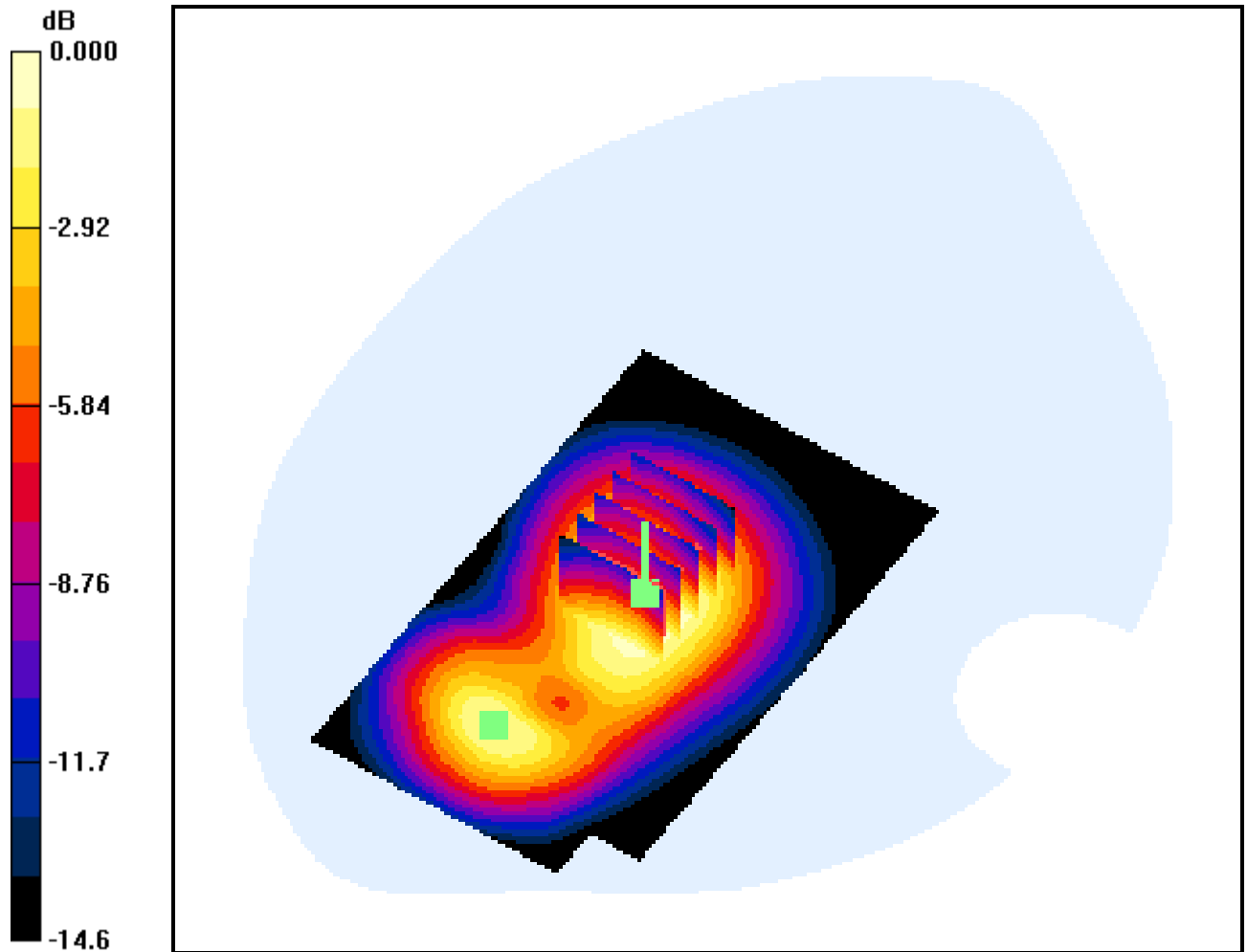
Area Scan (61x101x1): Measurement grid: dx=15mm, dy=15mm

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

Power Drift = -0.243 dB

Peak SAR (extrapolated) = 1.56 W/kg

SAR(1 g) = 1.05 mW/g; SAR(10 g) = 0.678 mW/g



0 dB = 1.25mW/g

DIGITAL EMC CO., LTD

DUT: SER-8189; Type: USB Modem

Communication System: FCC_PCS; Frequency: 1908.75 MHz; Duty Cycle: 1:1
Medium parameters used (interpolated): $f = 1908.75$ MHz; $\sigma = 1.58$ mho/m; $\epsilon_r = 53.9$; $\rho = 1000$ kg/m³
Phantom section: Flat Section

DASY4 Configuration:

Probe: EX3DV4 - SN3643; ConvF(7.59, 7.59, 7.59); Calibrated: 2010-01-26; Electronics: DAE3 Sn520
Phantom: SAM 1800/1900 MHz; Type: SAM; Serial: TP-1224
Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Test Date: 2010-08-31; Ambient Temp: 22.0; Tissue Temp: 23.0

1cm space from Body, Horizontal Down, CDMA PCS Ch. 1175, Ant Internal, EV-DO Rev. A

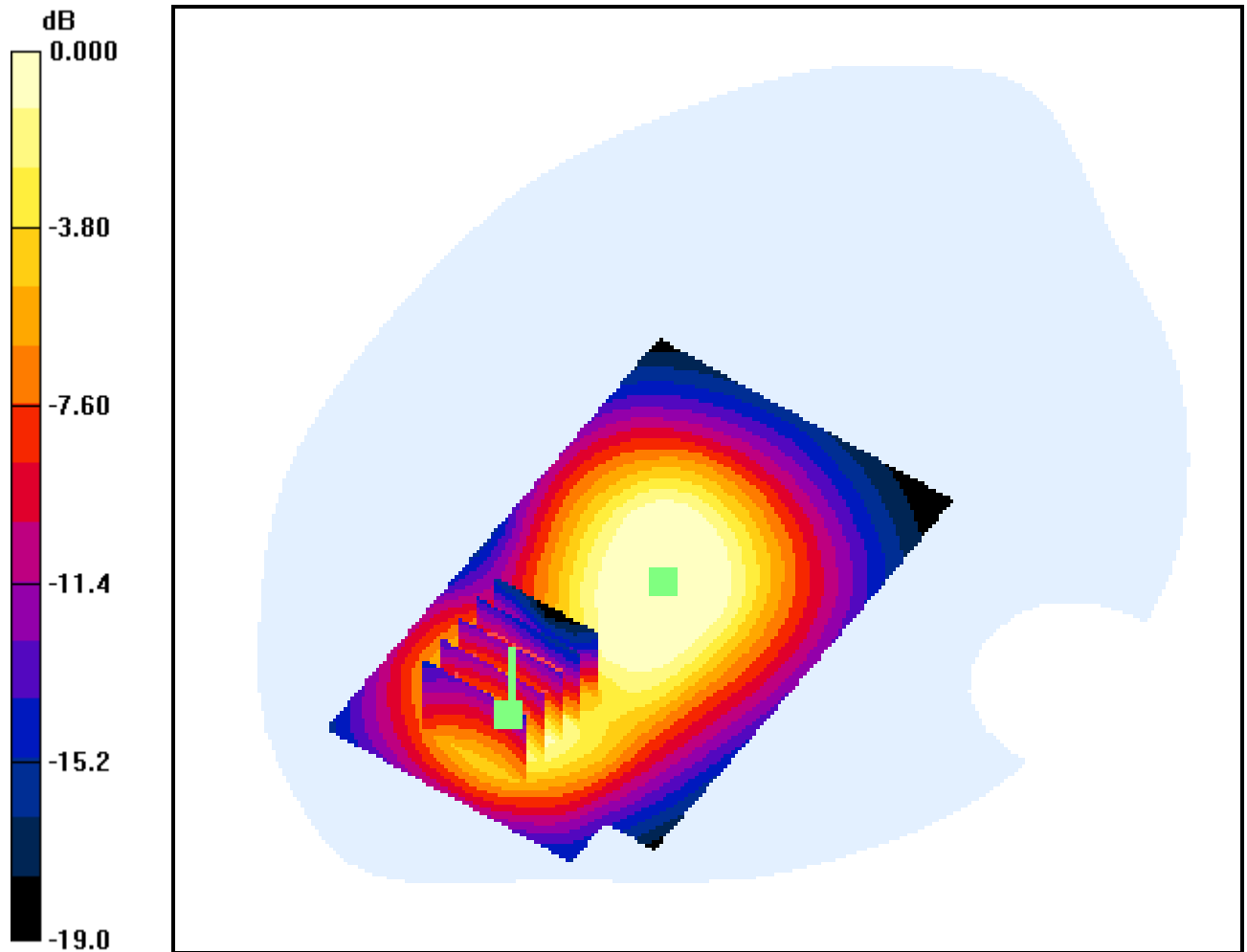
Area Scan (61x101x1): Measurement grid: dx=15mm, dy=15mm

Zoom Scan (5x5x7)/Cube 1: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Power Drift = -0.243 dB

Peak SAR (extrapolated) = 1.27 W/kg

SAR(1 g) = 0.762 mW/g; SAR(10 g) = 0.407 mW/g



0 dB = 0.967mW/g

DIGITAL EMC CO., LTD

DUT: SER-8189; Type: USB Modem

Communication System: W-LAN; Frequency: 2437 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 2437 \text{ MHz}$; $\sigma = 2.09 \text{ mho/m}$; $\epsilon_r = 53.3$; $\rho = 1000 \text{ kg/m}^3$
Phantom section: Flat Section

DASY4 Configuration:

Probe: EX3DV4 - SN3643; ConvF(7.41, 7.41, 7.41); Calibrated: 2010-01-26; Electronics: DAE3 Sn520
Phantom: SAM 1800/1900 MHz; Type: SAM; Serial: TP-1224
Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Test Date: 2010-09-02; Ambient Temp: 22.5; Tissue Temp: 23.0

1cm space from Body, Top, W-LAN(802.11b) Ch. Mid(2437 MHz), Ant Internal

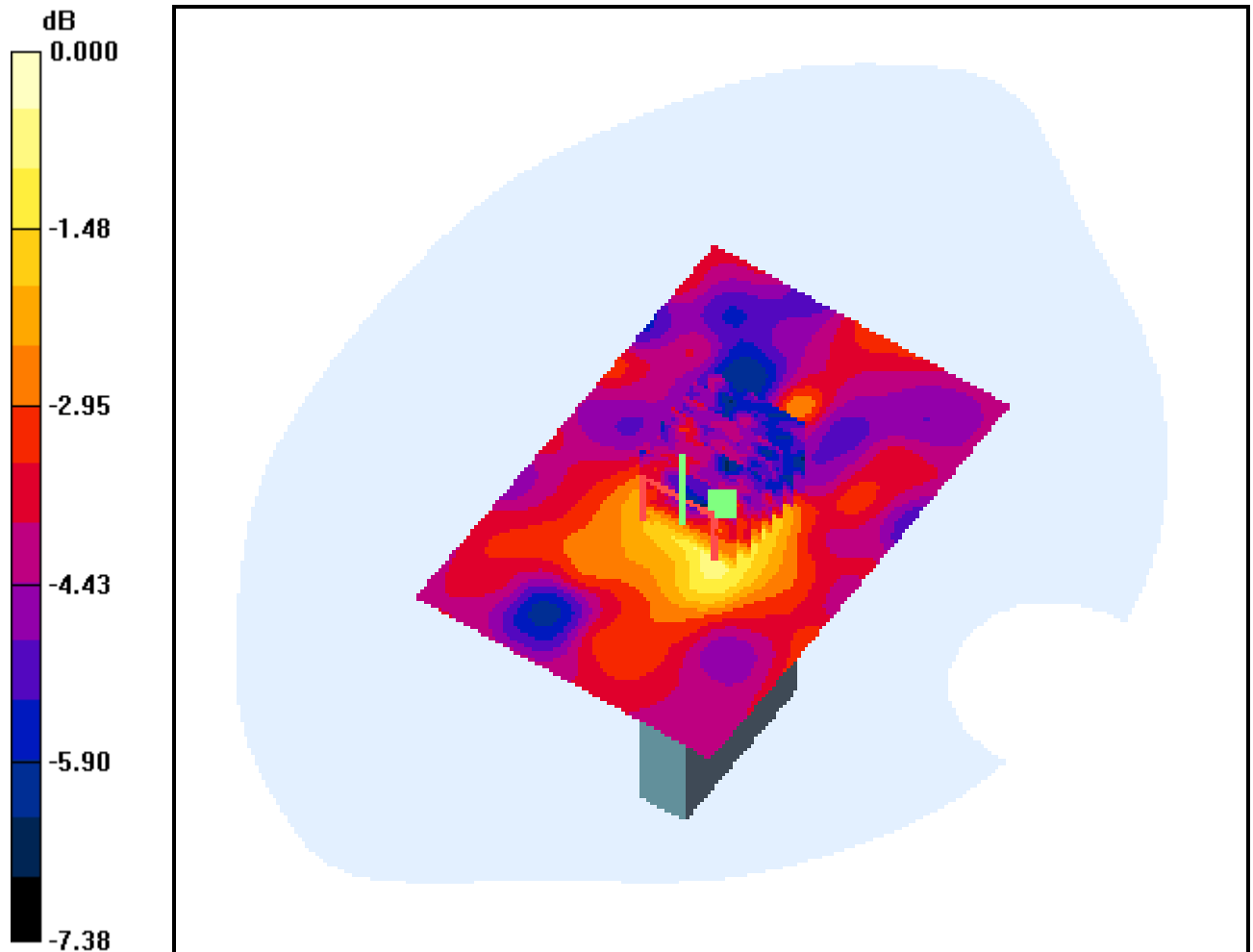
Area Scan (61x91x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

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

Power Drift = 0.218 dB

Peak SAR (extrapolated) = 0.032 W/kg

SAR(1 g) = 0.019 mW/g; SAR(10 g) = 0.013 mW/g



0 dB = 0.025mW/g

DIGITAL EMC CO., LTD

DUT: SER-8189; Type: USB Modem

Communication System: W-LAN; Frequency: 2437 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 2437 \text{ MHz}$; $\sigma = 2.09 \text{ mho/m}$; $\epsilon_r = 53.3$; $\rho = 1000 \text{ kg/m}^3$
Phantom section: Flat Section

DASY4 Configuration:

Probe: EX3DV4 - SN3643; ConvF(7.41, 7.41, 7.41); Calibrated: 2010-01-26; Electronics: DAE3 Sn520
Phantom: SAM 1800/1900 MHz; Type: SAM; Serial: TP-1224
Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Test Date: 2010-09-02; Ambient Temp: 22.5; Tissue Temp: 23.0

1cm space from Body, Bottom, W-LAN(802.11b) Ch. Mid(2437 MHz), Ant Internal

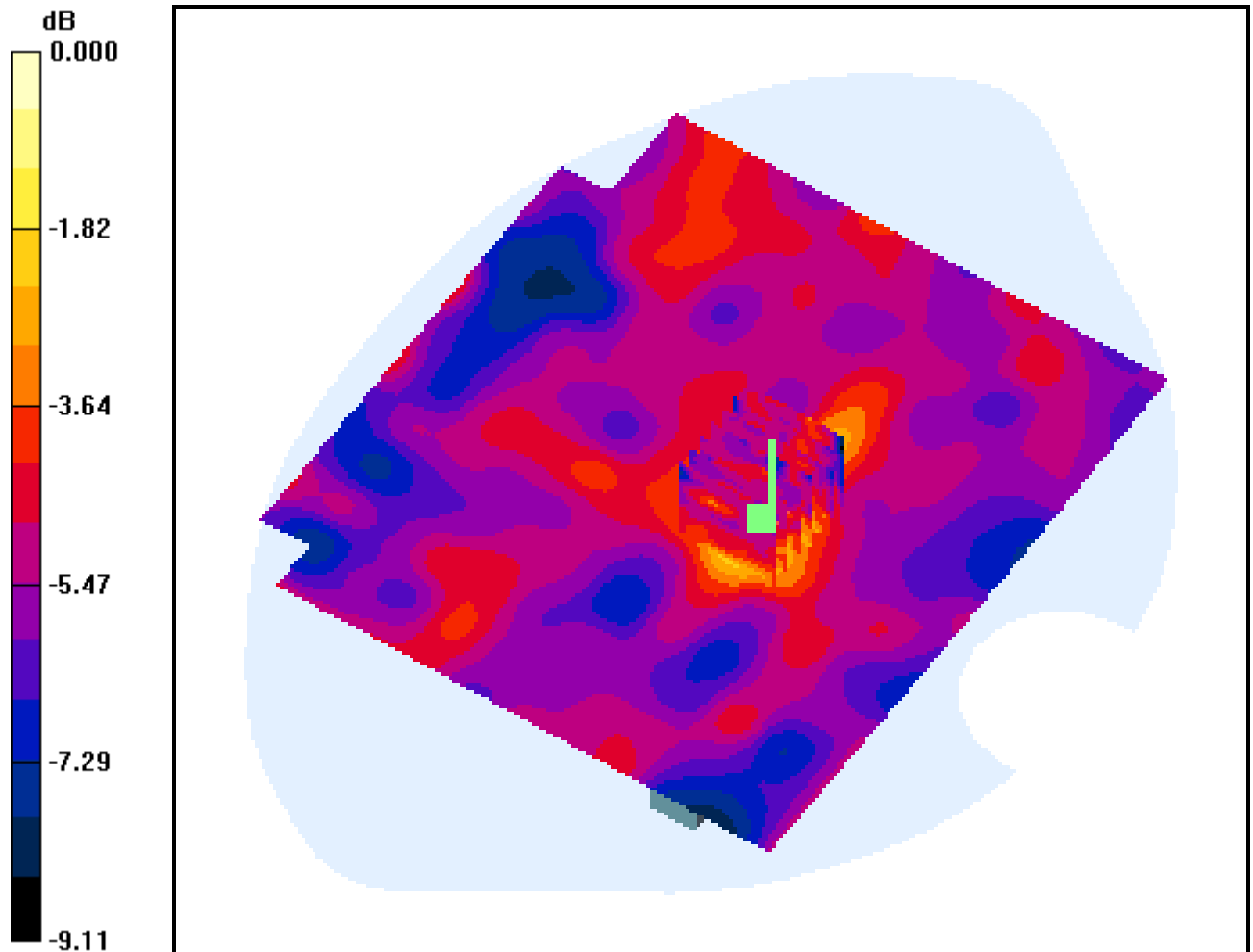
Area Scan (111x121x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

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

Power Drift = -0.241 dB

Peak SAR (extrapolated) = 0.056 W/kg

SAR(1 g) = 0.028 mW/g; SAR(10 g) = 0.019 mW/g



0 dB = 0.038mW/g

DIGITAL EMC CO., LTD

DUT: SER-8189; Type: USB Modem

Communication System: W-LAN; Frequency: 2437 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 2437 \text{ MHz}$; $\sigma = 2.09 \text{ mho/m}$; $\epsilon_r = 53.3$; $\rho = 1000 \text{ kg/m}^3$
Phantom section: Flat Section

DASY4 Configuration:

Probe: EX3DV4 - SN3643; ConvF(7.41, 7.41, 7.41); Calibrated: 2010-01-26; Electronics: DAE3 Sn520
Phantom: SAM 1800/1900 MHz; Type: SAM; Serial: TP-1224
Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Test Date: 2010-09-02; Ambient Temp: 22.5; Tissue Temp: 23.0

1cm space from Body, Horizontal Up, W-LAN(802.11b) Ch. Mid(2437 MHz), Ant Internal

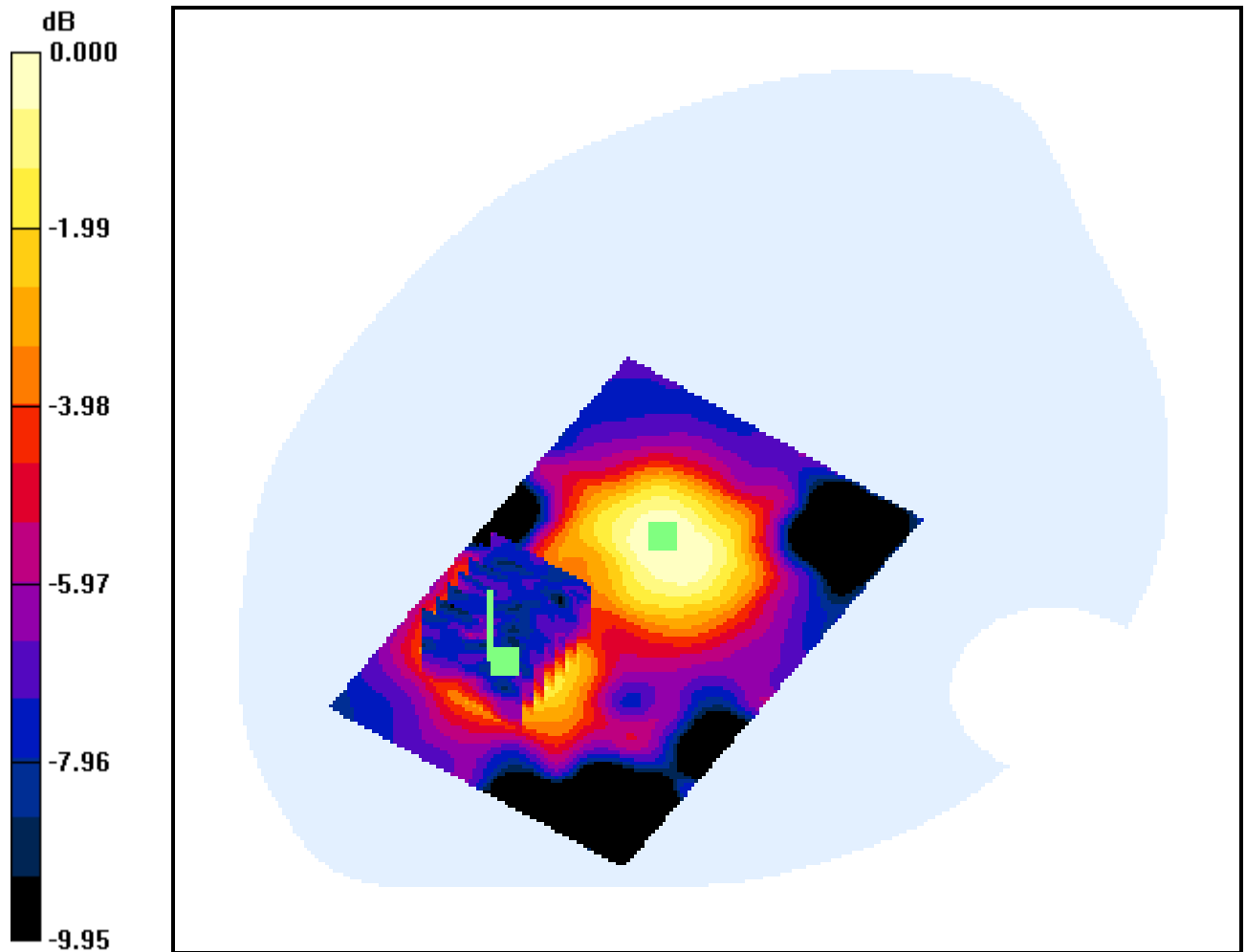
Area Scan (61x91x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

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

Power Drift = -0.294 dB

Peak SAR (extrapolated) = 0.066 W/kg

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



0 dB = 0.049mW/g

DIGITAL EMC CO., LTD

DUT: SER-8189; Type: USB Modem

Communication System: W-LAN; Frequency: 2437 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 2437 \text{ MHz}$; $\sigma = 2.09 \text{ mho/m}$; $\epsilon_r = 53.3$; $\rho = 1000 \text{ kg/m}^3$
Phantom section: Flat Section

DASY4 Configuration:

Probe: EX3DV4 - SN3643; ConvF(7.41, 7.41, 7.41); Calibrated: 2010-01-26; Electronics: DAE3 Sn520
Phantom: SAM 1800/1900 MHz; Type: SAM; Serial: TP-1224
Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Test Date: 2010-09-02; Ambient Temp: 22.5; Tissue Temp: 23.0

1cm space from Body, Horizontal Up, W-LAN(802.11b) Ch. Mid(2437 MHz), Ant Internal

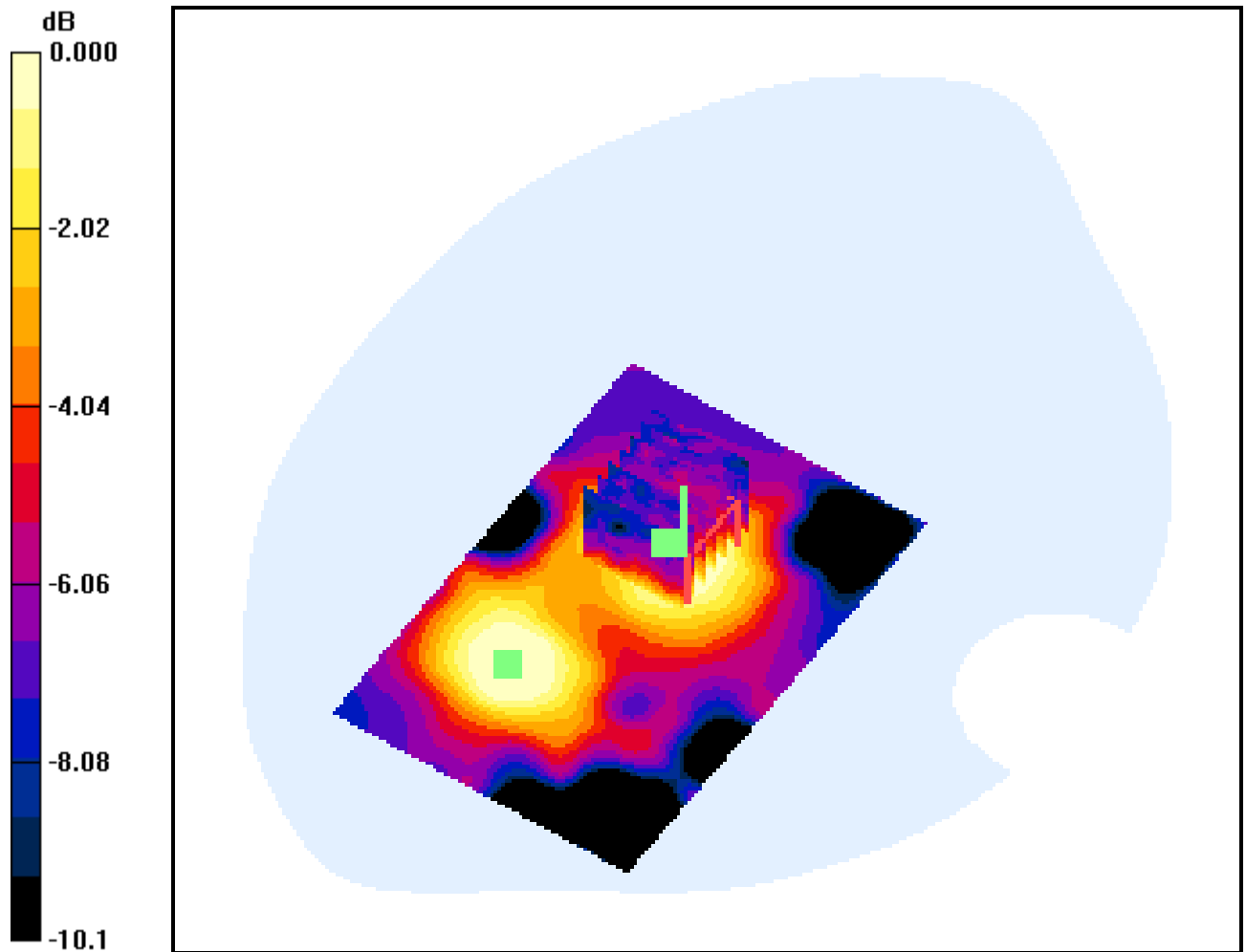
Area Scan (61x91x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

Zoom Scan (7x7x7)/Cube 1: Measurement grid: $dx=5\text{mm}$, $dy=5\text{mm}$, $dz=5\text{mm}$

Power Drift = -0.294 dB

Peak SAR (extrapolated) = 0.060 W/kg

SAR(1 g) = 0.035 mW/g; SAR(10 g) = 0.022 mW/g



0 dB = 0.045mW/g

DIGITAL EMC CO., LTD

DUT: SER-8189; Type: USB Modem

Communication System: W-LAN; Frequency: 2437 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 2437 \text{ MHz}$; $\sigma = 2.09 \text{ mho/m}$; $\epsilon_r = 53.3$; $\rho = 1000 \text{ kg/m}^3$
Phantom section: Flat Section

DASY4 Configuration:

Probe: EX3DV4 - SN3643; ConvF(7.41, 7.41, 7.41); Calibrated: 2010-01-26; Electronics: DAE3 Sn520
Phantom: SAM 1800/1900 MHz; Type: SAM; Serial: TP-1224
Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Test Date: 2010-09-02; Ambient Temp: 22.5; Tissue Temp: 23.0

1cm space from Body, Horizontal Down, W-LAN(802.11b) Ch. Mid(2437 MHz), Ant Internal

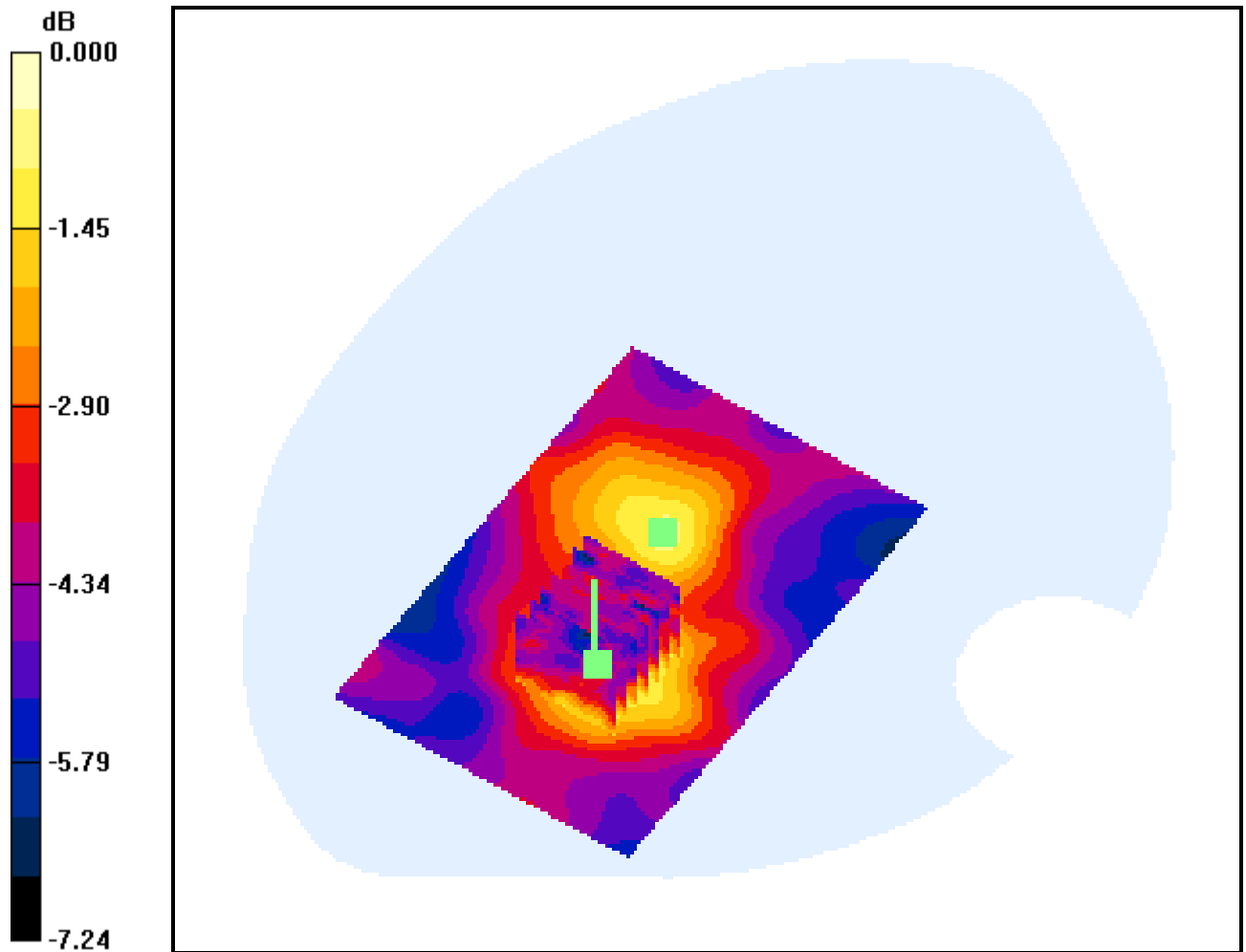
Area Scan (61x91x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

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

Power Drift = 0.268 dB

Peak SAR (extrapolated) = 0.055 W/kg

SAR(1 g) = 0.033 mW/g; SAR(10 g) = 0.023 mW/g



0 dB = 0.039mW/g

DIGITAL EMC CO., LTD

DUT: SER-8189; Type: USB Modem

Communication System: W-LAN; Frequency: 2437 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 2437 \text{ MHz}$; $\sigma = 2.09 \text{ mho/m}$; $\epsilon_r = 53.3$; $\rho = 1000 \text{ kg/m}^3$
Phantom section: Flat Section

DASY4 Configuration:

Probe: EX3DV4 - SN3643; ConvF(7.41, 7.41, 7.41); Calibrated: 2010-01-26; Electronics: DAE3 Sn520
Phantom: SAM 1800/1900 MHz; Type: SAM; Serial: TP-1224
Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Test Date: 2010-09-02; Ambient Temp: 22.5; Tissue Temp: 23.0

1cm space from Body, Horizontal Down, W-LAN(802.11b) Ch. Mid(2437 MHz), Ant Internal

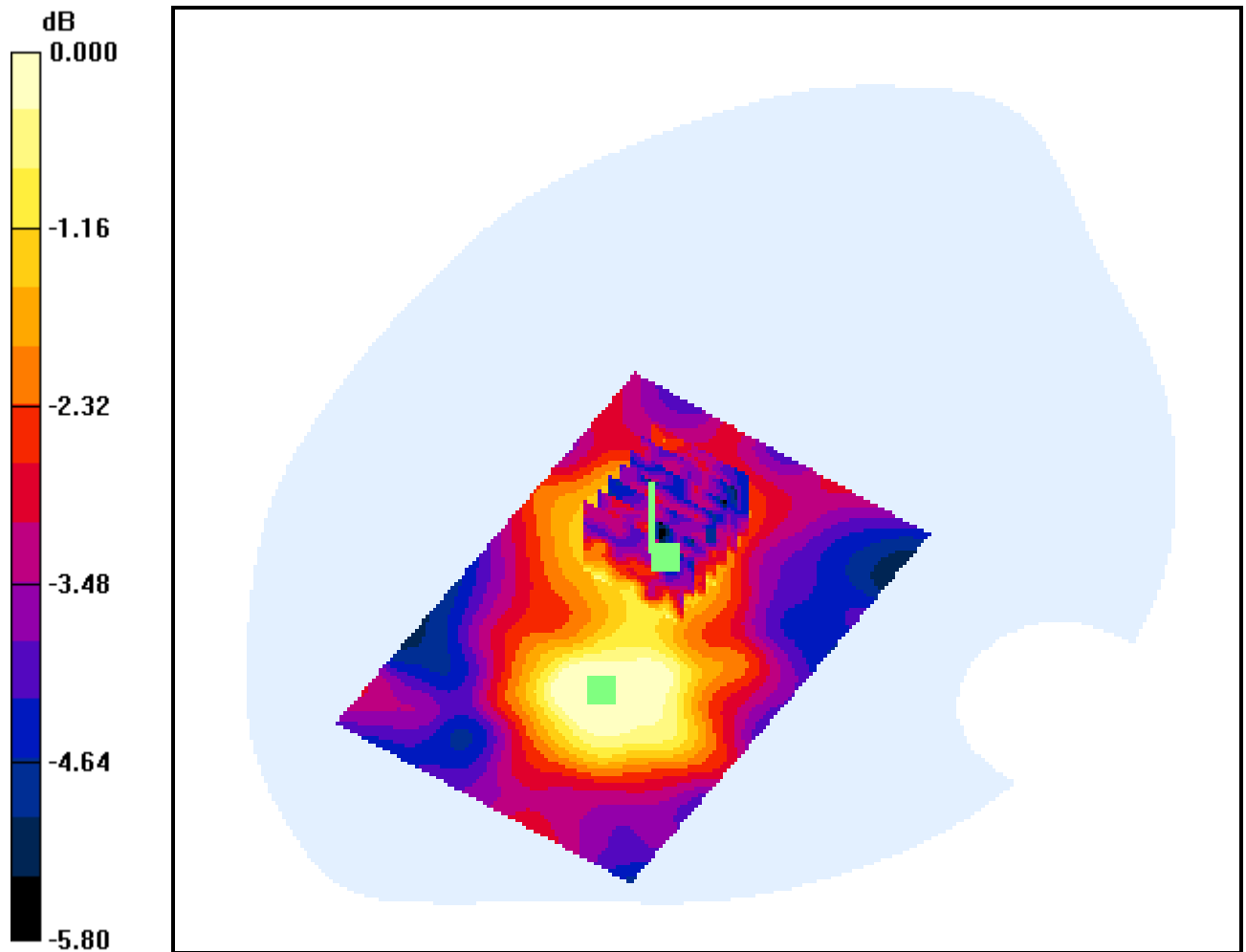
Area Scan (61x91x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

Zoom Scan (7x7x7)/Cube 1: Measurement grid: $dx=5\text{mm}$, $dy=5\text{mm}$, $dz=5\text{mm}$

Power Drift = 0.268 dB

Peak SAR (extrapolated) = 0.038 W/kg

SAR(1 g) = 0.026 mW/g; SAR(10 g) = 0.020 mW/g



0 dB = 0.031mW/g

DIGITAL EMC CO., LTD

DUT: SER-8189; Type: USB Modem

Communication System: W-LAN; Frequency: 2412 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 2412 \text{ MHz}$; $\sigma = 2.02 \text{ mho/m}$; $\epsilon_r = 53.1$; $\rho = 1000 \text{ kg/m}^3$
Phantom section: Flat Section

DASY4 Configuration:

Probe: EX3DV4 - SN3643; ConvF(7.41, 7.41, 7.41); Calibrated: 2010-01-26; Electronics: DAE3 Sn520
Phantom: SAM 1800/1900 MHz; Type: SAM; Serial: TP-1224
Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Test Date: 2010-09-02; Ambient Temp: 22.5; Tissue Temp: 23.0

1cm space from Body, Vertical Front, W-LAN(802.11b) Ch. Low(2412 MHz), Ant Internal

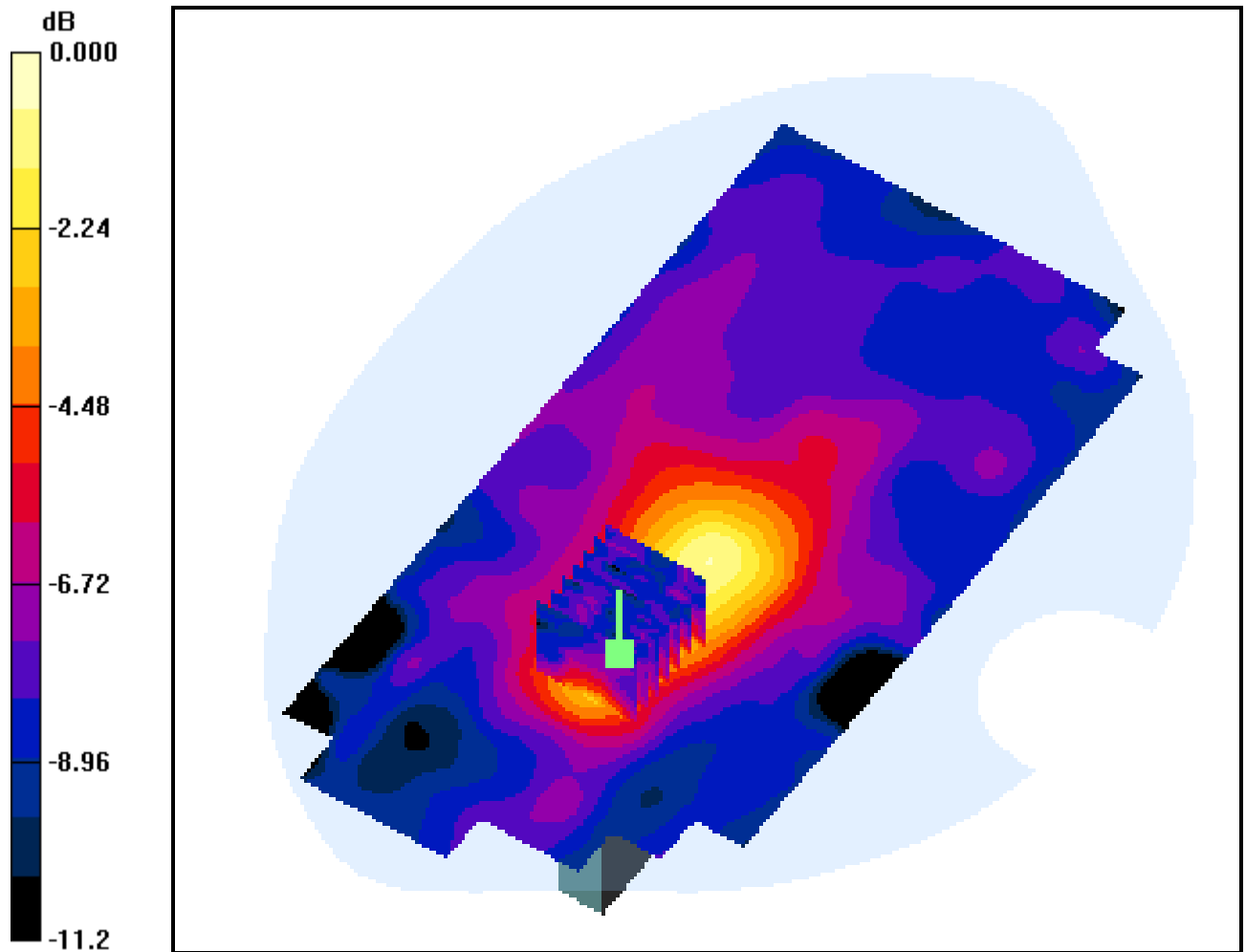
Area Scan (81x171x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

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

Power Drift = 0.039 dB

Peak SAR (extrapolated) = 0.081 W/kg

SAR(1 g) = 0.044 mW/g; SAR(10 g) = 0.024 mW/g



0 dB = 0.060mW/g

DIGITAL EMC CO., LTD

DUT: SER-8189; Type: USB Modem

Communication System: W-LAN; Frequency: 2437 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 2437 \text{ MHz}$; $\sigma = 2.09 \text{ mho/m}$; $\epsilon_r = 53.3$; $\rho = 1000 \text{ kg/m}^3$
Phantom section: Flat Section

DASY4 Configuration:

Probe: EX3DV4 - SN3643; ConvF(7.41, 7.41, 7.41); Calibrated: 2010-01-26; Electronics: DAE3 Sn520
Phantom: SAM 1800/1900 MHz; Type: SAM; Serial: TP-1224
Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Test Date: 2010-09-02; Ambient Temp: 22.5; Tissue Temp: 23.0

1cm space from Body, Vertical Front, W-LAN(802.11b) Ch. Mid(2437 MHz), Ant Internal

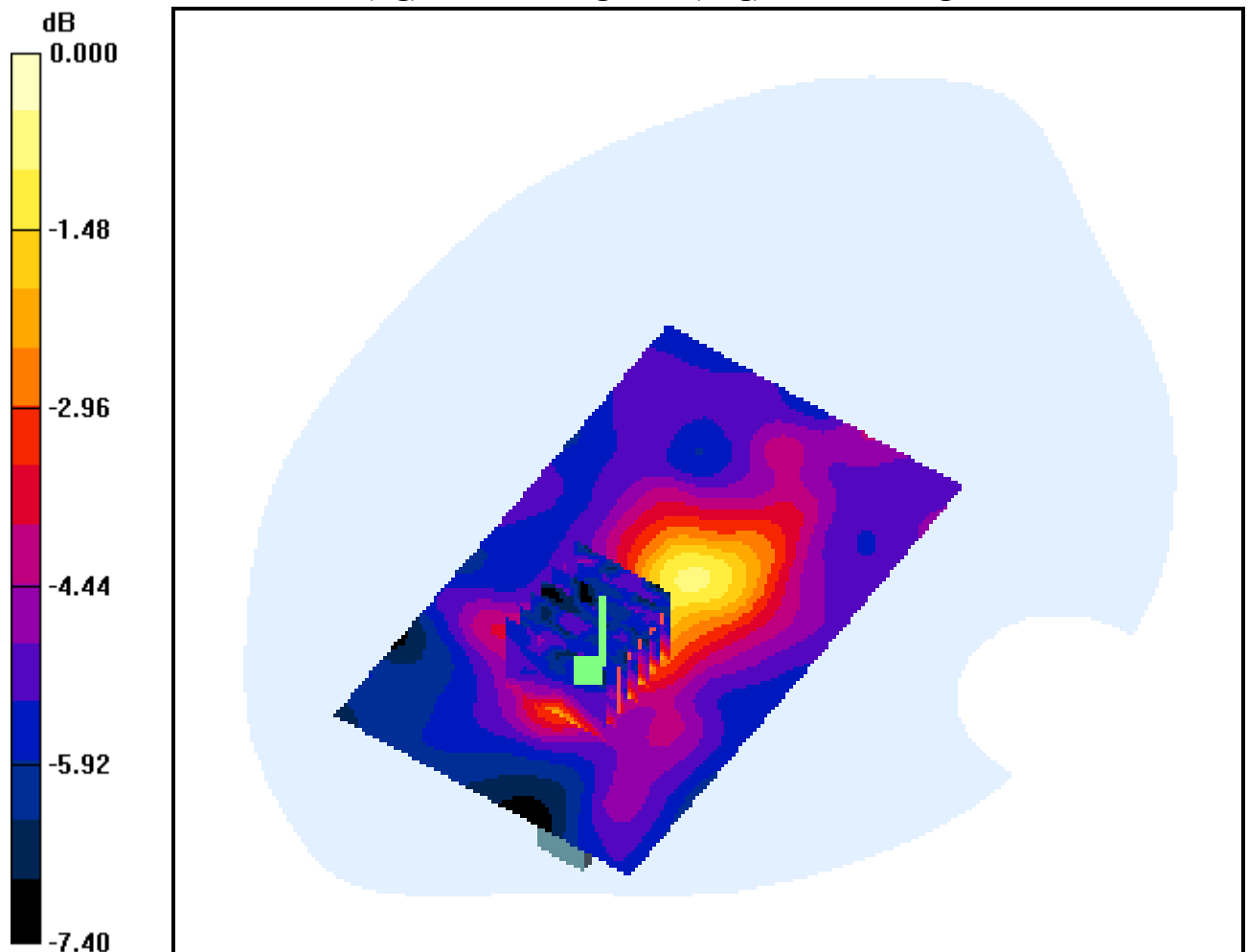
Area Scan (61x101x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

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

Power Drift = -0.113 dB

Peak SAR (extrapolated) = 0.079 W/kg

SAR(1 g) = 0.042 mW/g; SAR(10 g) = 0.026 mW/g



0 dB = 0.052mW/g

DIGITAL EMC CO., LTD

DUT: SER-8189; Type: USB Modem

Communication System: W-LAN; Frequency: 2462 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 2462 \text{ MHz}$; $\sigma = 2.1 \text{ mho/m}$; $\epsilon_r = 53.6$; $\rho = 1000 \text{ kg/m}^3$
Phantom section: Flat Section

DASY4 Configuration:

Probe: EX3DV4 - SN3643; ConvF(7.41, 7.41, 7.41); Calibrated: 2010-01-26; Electronics: DAE3 Sn520
Phantom: SAM 1800/1900 MHz; Type: SAM; Serial: TP-1224
Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Test Date: 2010-09-02; Ambient Temp: 22.5; Tissue Temp: 23.0

1cm space from Body, Vertical Front, W-LAN(802.11b) Ch. High(2462 MHz), Ant Internal

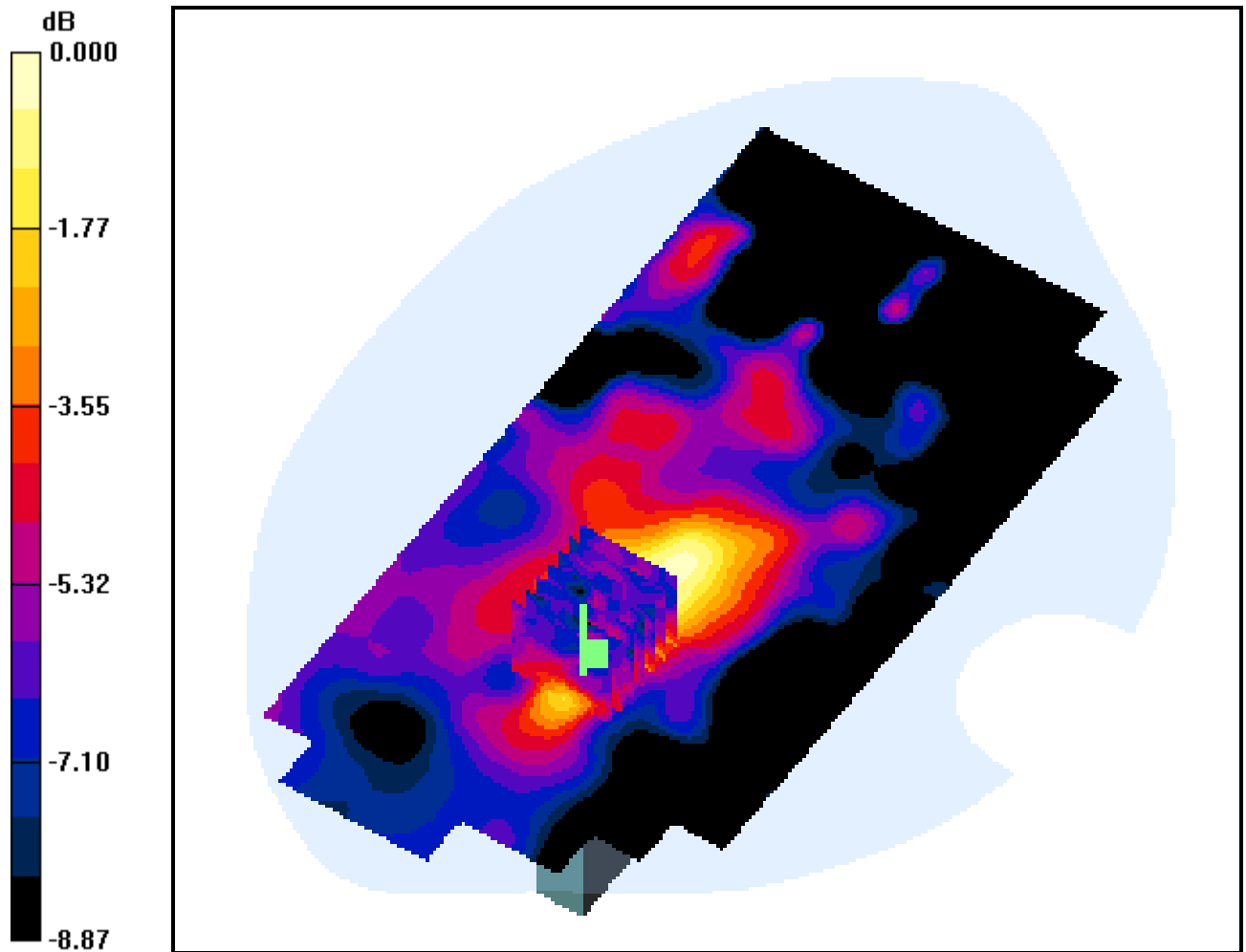
Area Scan (81x171x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

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

Power Drift = -0.055 dB

Peak SAR (extrapolated) = 0.046 W/kg

SAR(1 g) = 0.029 mW/g; SAR(10 g) = 0.018 mW/g



0 dB = 0.037mW/g

DIGITAL EMC CO., LTD

DUT: SER-8189; Type: USB Modem

Communication System: W-LAN; Frequency: 2437 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 2437 \text{ MHz}$; $\sigma = 2.09 \text{ mho/m}$; $\epsilon_r = 53.3$; $\rho = 1000 \text{ kg/m}^3$
Phantom section: Flat Section

DASY4 Configuration:

Probe: EX3DV4 - SN3643; ConvF(7.41, 7.41, 7.41); Calibrated: 2010-01-26; Electronics: DAE3 Sn520
Phantom: SAM 1800/1900 MHz; Type: SAM; Serial: TP-1224
Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Test Date: 2010-09-02; Ambient Temp: 22.5; Tissue Temp: 23.0

1cm space from Body, Vertical Back, W-LAN(802.11b) Ch. Mid(2437 MHz), Ant Internal

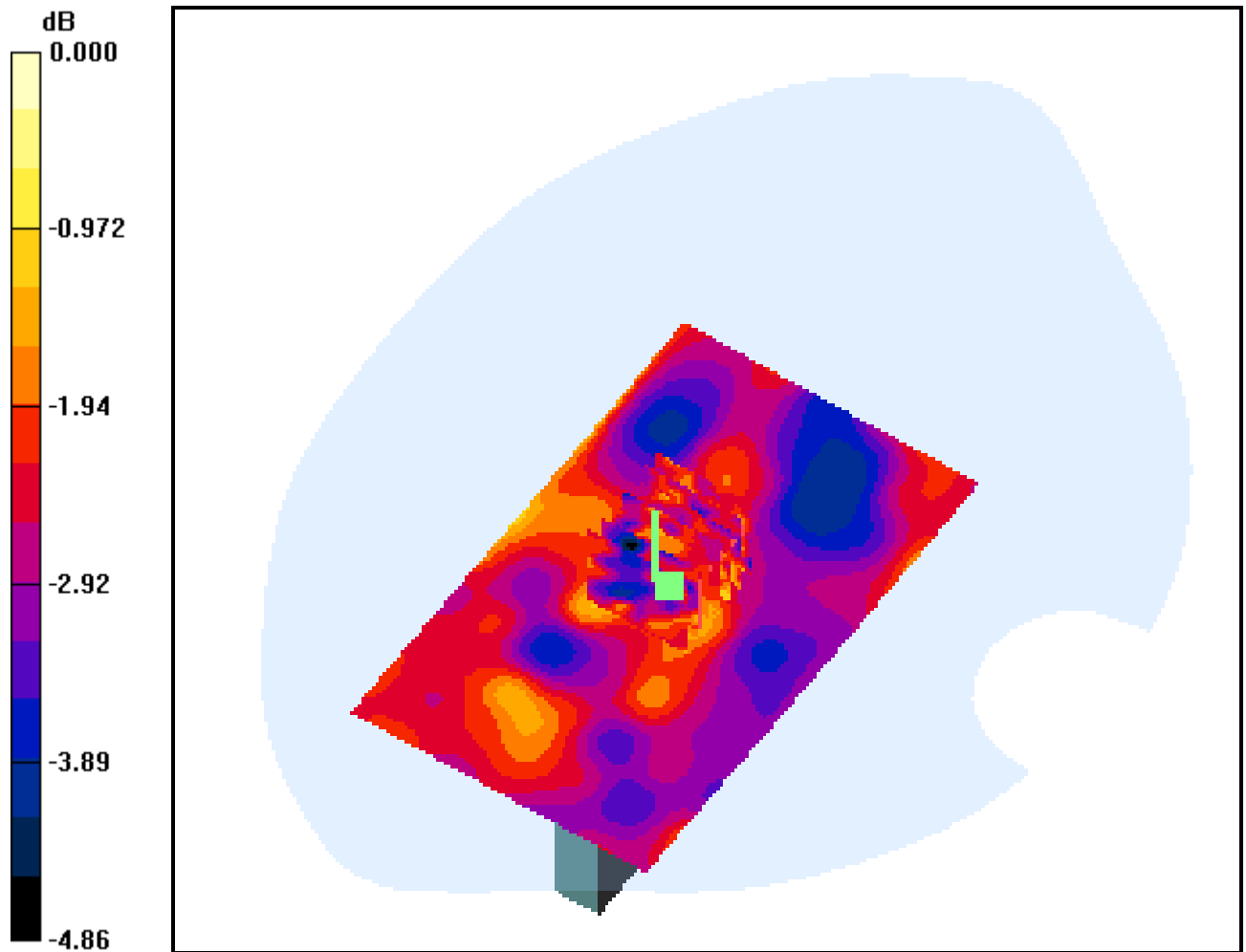
Area Scan (61x101x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

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

Power Drift = -0.005 dB

Peak SAR (extrapolated) = 0.028 W/kg

SAR(1 g) = 0.018 mW/g; SAR(10 g) = 0.016 mW/g



0 dB = 0.023mW/g

DIGITAL EMC CO., LTD

DUT: SER-8189; Type: USB Modem

Communication System: FCC CDMA; Frequency: 824.7 MHz; Duty Cycle: 1:1
Medium parameters used (interpolated): $f = 824.7$ MHz; $\sigma = 0.937$ mho/m; $\epsilon_r = 54.1$; $\rho = 1000$ kg/m³
Phantom section: Flat Section

DASY4 Configuration:

Probe: EX3DV4 - SN3643; ConvF(9.31, 9.31, 9.31); Calibrated: 2010-01-26; Electronics: DAE3 Sn520
Phantom: SAM with 835MHz; Type: SAM; Serial: TP-1223
Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Test Date: 2010-08-30; Ambient Temp: 22.0; Tissue Temp: 22.5

1cm space from Body, Horizontal Down, CDMA Cellular Ch. 1013, Ant Internal, EV-DO Rev.A

Area Scan (61x91x1): Measurement grid: dx=15mm, dy=15mm

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

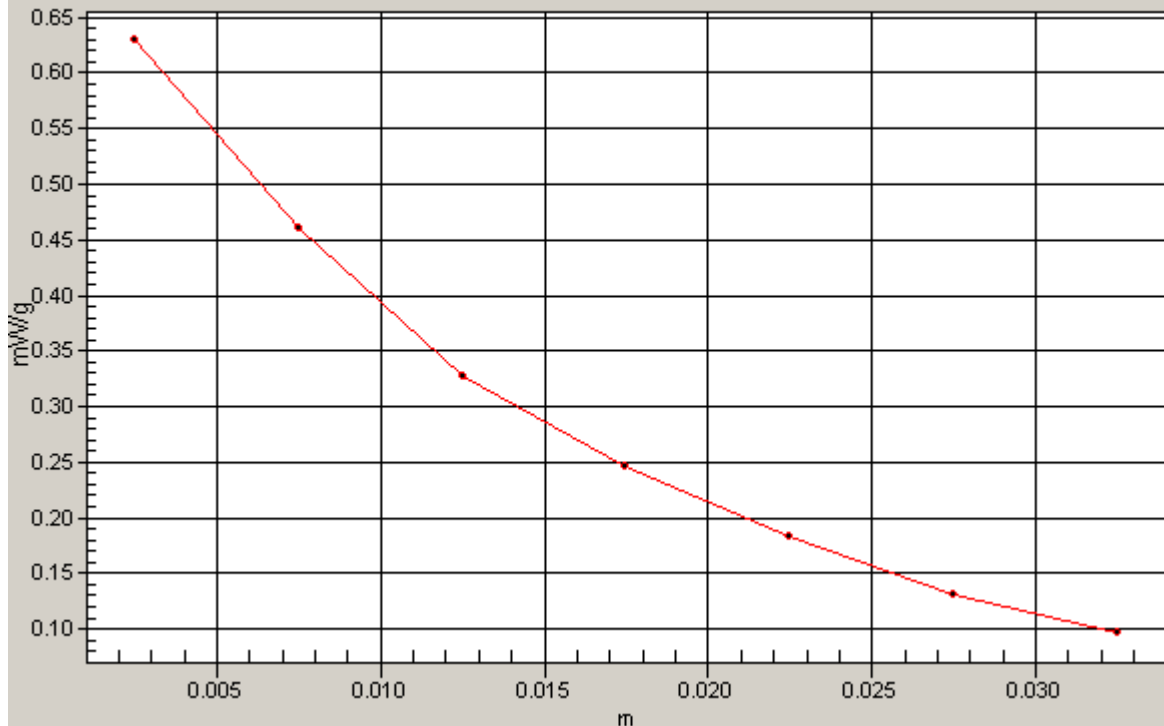
Power Drift = 0.095 dB

Peak SAR (extrapolated) = 0.864 W/kg

SAR(1 g) = 0.638 mW/g; SAR(10 g) = 0.446 mW/g

1g/10g Averaged SAR

SAR; Zoom Scan: Value Along Z, X=3, Y=2



DIGITAL EMC CO., LTD

DUT: SER-8189; Type: USB Modem

Communication System: FCC_PCS; Frequency: 1880 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 1880 \text{ MHz}$; $\sigma = 1.52 \text{ mho/m}$; $\epsilon_r = 53.9$; $\rho = 1000 \text{ kg/m}^3$
Phantom section: Flat Section

DASY4 Configuration:

Probe: EX3DV4 - SN3643; ConvF(7.59, 7.59, 7.59); Calibrated: 2010-01-26; Electronics: DAE3 Sn520
Phantom: SAM 1800/1900 MHz; Type: SAM; Serial: TP-1224
Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Test Date: 2010-08-31; Ambient Temp: 22.0; Tissue Temp: 23.0

1cm space from Body, Horizontal Down, CDMA PCS Ch. 600, Ant Internal, EV-DO Rev. A

Area Scan (61x101x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

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

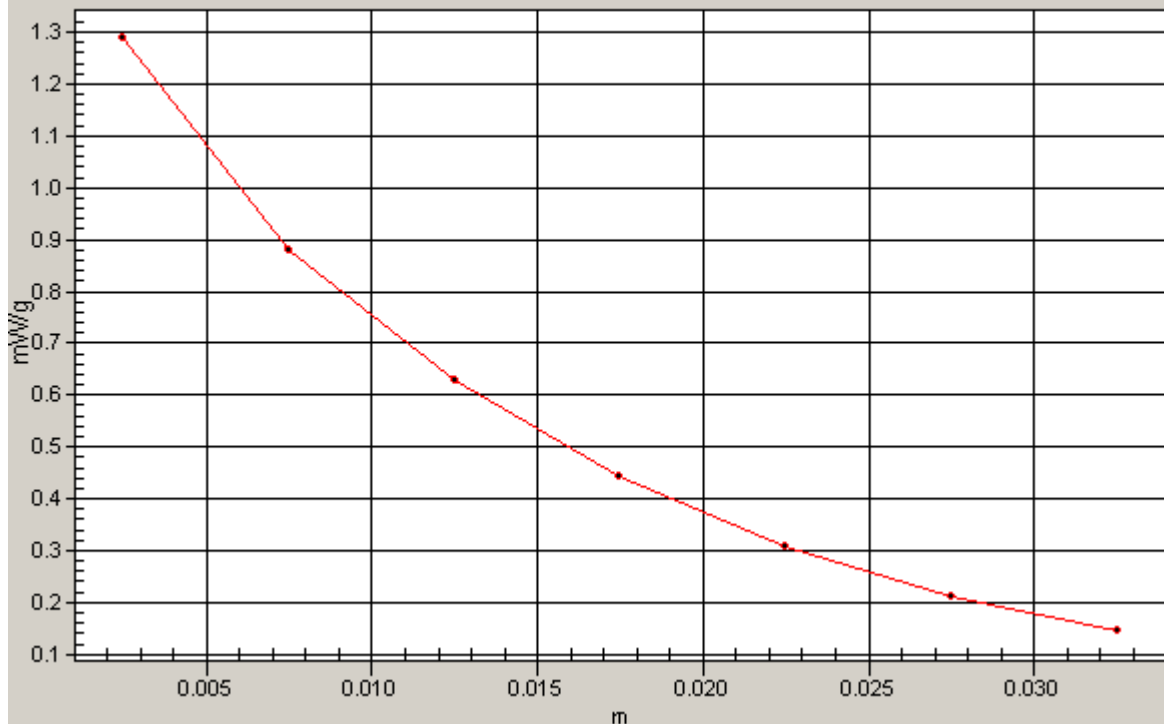
Power Drift = 0.345 dB

Peak SAR (extrapolated) = 1.67 W/kg

SAR(1 g) = 1.11 mW/g; SAR(10 g) = 0.722 mW/g

1g/10g Averaged SAR

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



DIGITAL EMC CO., LTD

DUT: SER-8189; Type: USB Modem

Communication System: W-LAN; Frequency: 2412 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 2412 \text{ MHz}$; $\sigma = 2.02 \text{ mho/m}$; $\epsilon_r = 53.1$; $\rho = 1000 \text{ kg/m}^3$
Phantom section: Flat Section

DASY4 Configuration:

Probe: EX3DV4 - SN3643; ConvF(7.41, 7.41, 7.41); Calibrated: 2010-01-26; Electronics: DAE3 Sn520
Phantom: SAM 1800/1900 MHz; Type: SAM; Serial: TP-1224
Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Test Date: 2010-09-02; Ambient Temp: 22.5; Tissue Temp: 23.0

1cm space from Body, Vertical Front, W-LAN(802.11b) Ch. Mid(2412 MHz), Ant Internal

Area Scan (81x171x1): 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 = 0.039 dB

Peak SAR (extrapolated) = 0.081 W/kg

SAR(1 g) = 0.044 mW/g; SAR(10 g) = 0.024 mW/g

1g/10g Averaged SAR

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

