

DIGITAL EMC CO., LTD

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

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

Medium parameters used: $f = 2450 \text{ MHz}$; $\sigma = 2.09 \text{ mho/m}$; $\epsilon_r = 53.3$; $\rho = 1000 \text{ kg/m}^3$

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: 2010-09-03; Ambient Temp: 22.0; Tissue Temp: 22.5

Dipole Validation

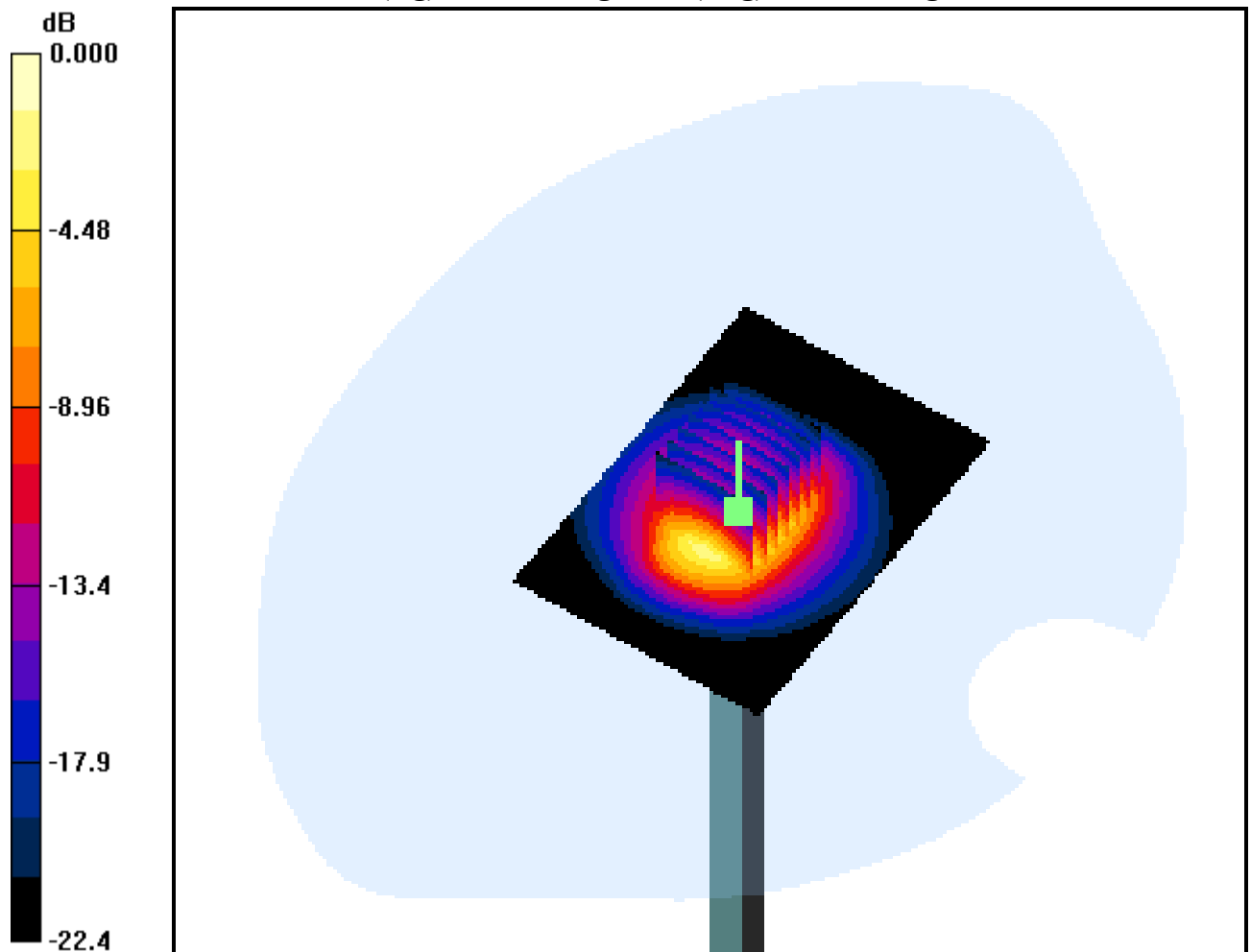
Area Scan (51x71x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

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

Power Drift = -0.053 dB

Peak SAR (extrapolated) = 26.5 W/kg

SAR(1 g) = 12.6 mW/g; SAR(10 g) = 5.84 mW/g



0 dB = 18.0mW/g

DIGITAL EMC CO., LTD

DUT: Dipole 2600 MHz; Type: D2600V2; Serial: D2600V2 - SN:1016

Communication System: CW; Frequency: 2600 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 2600$ MHz; $\sigma = 2.16$ mho/m; $\epsilon_r = 53.6$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY4 Configuration:

Probe: EX3DV4 - SN3643; ConvF(7.25, 7.25, 7.25); 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: 2010-09-14; Ambient Temp: 22.5; Tissue Temp: 23.0

Dipole Validation

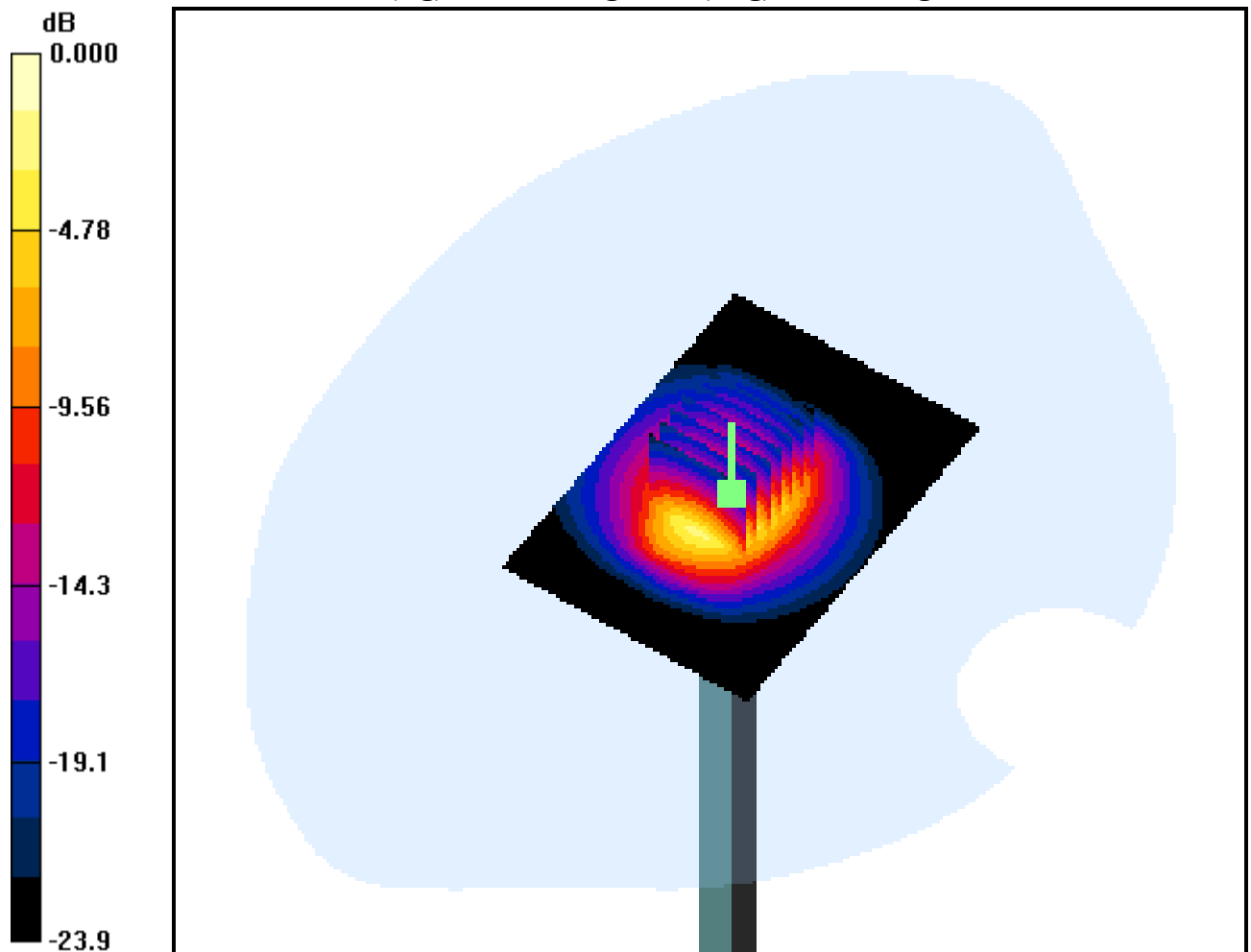
Area Scan (51x71x1): Measurement grid: dx=15mm, dy=15mm

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

Power Drift = -0.059 dB

Peak SAR (extrapolated) = 30.3 W/kg

SAR(1 g) = 13.9 mW/g; SAR(10 g) = 6.1 mW/g



0 dB = 16.0mW/g

DIGITAL EMC CO., LTD

DUT: SWR-8225; Type: USB Modem

Communication System: W-LAN; Frequency: 2412 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 2412 \text{ MHz}$; $\sigma = 1.99 \text{ mho/m}$; $\epsilon_r = 53$; $\rho = 1000 \text{ kg/m}^3$
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: 2010-09-03; Ambient Temp: 22.0; Tissue Temp: 22.5

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

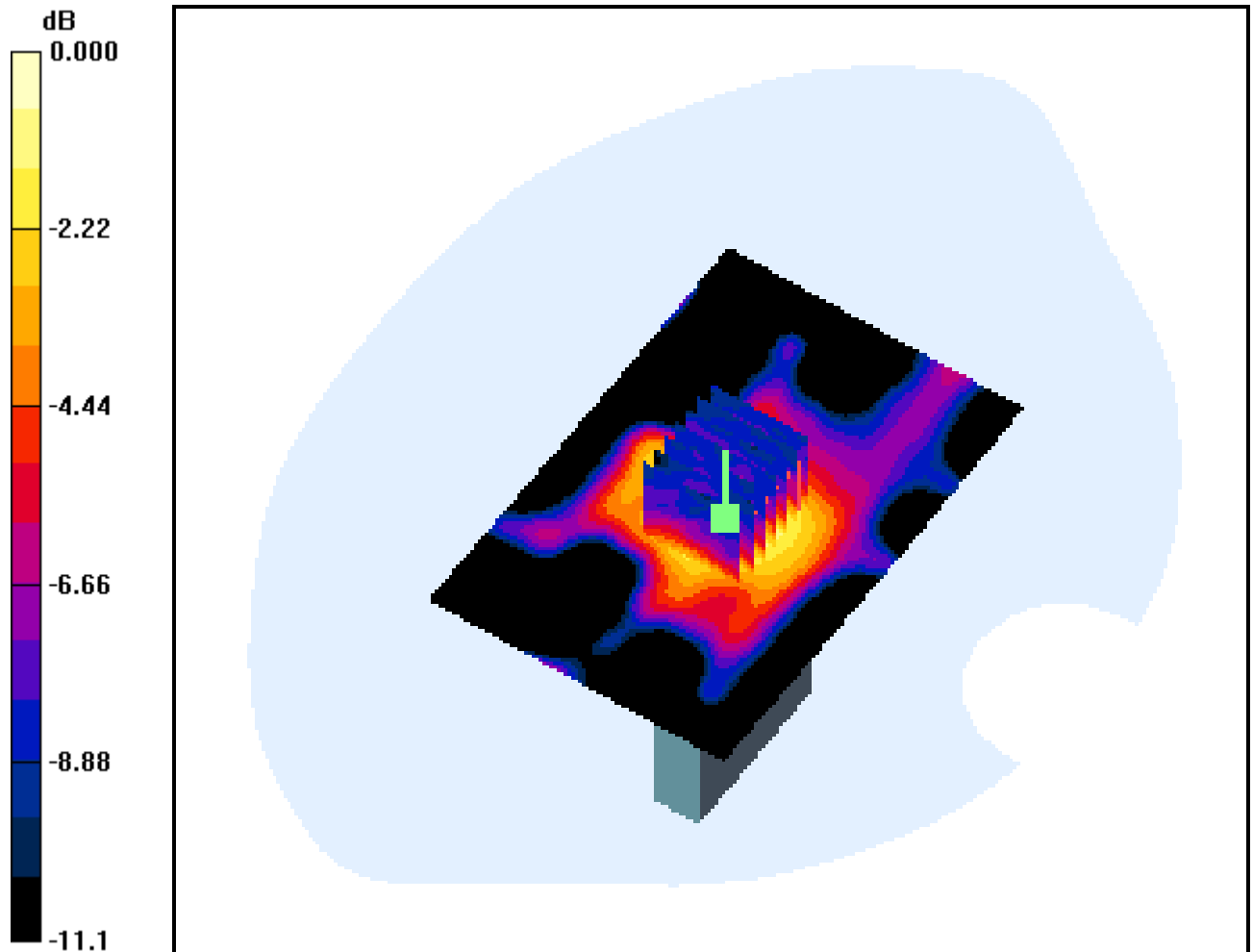
Area Scan (61x91x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

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

Power Drift = -0.295 dB

Peak SAR (extrapolated) = 0.065 W/kg

SAR(1 g) = 0.037 mW/g; SAR(10 g) = 0.022 mW/g



0 dB = 0.048mW/g

DIGITAL EMC CO., LTD

DUT: SWR-8225; Type: USB Modem

Communication System: W-LAN; Frequency: 2437 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 2437 \text{ MHz}$; $\sigma = 2 \text{ mho/m}$; $\epsilon_r = 53.1$; $\rho = 1000 \text{ kg/m}^3$
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: 2010-09-03; Ambient Temp: 22.0; Tissue Temp: 22.5

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

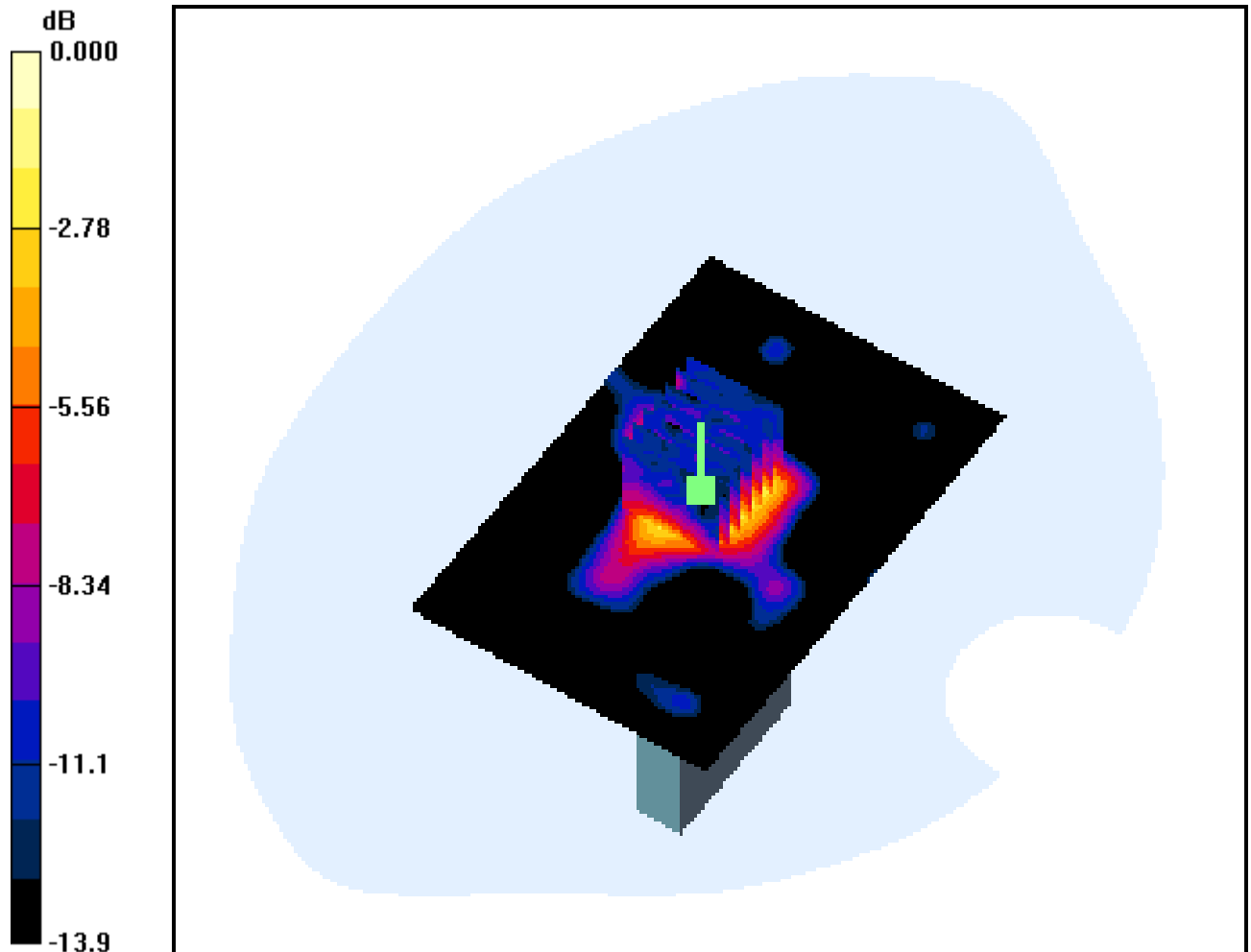
Area Scan (61x91x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

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

Power Drift = 0.041 dB

Peak SAR (extrapolated) = 0.085 W/kg

SAR(1 g) = 0.040 mW/g; SAR(10 g) = 0.020 mW/g



0 dB = 0.056mW/g

DIGITAL EMC CO., LTD

DUT: SWR-8225; Type: USB Modem

Communication System: W-LAN; Frequency: 2462 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 2462 \text{ MHz}$; $\sigma = 2.11 \text{ mho/m}$; $\epsilon_r = 53.4$; $\rho = 1000 \text{ kg/m}^3$
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: 2010-09-03; Ambient Temp: 22.0; Tissue Temp: 22.5

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

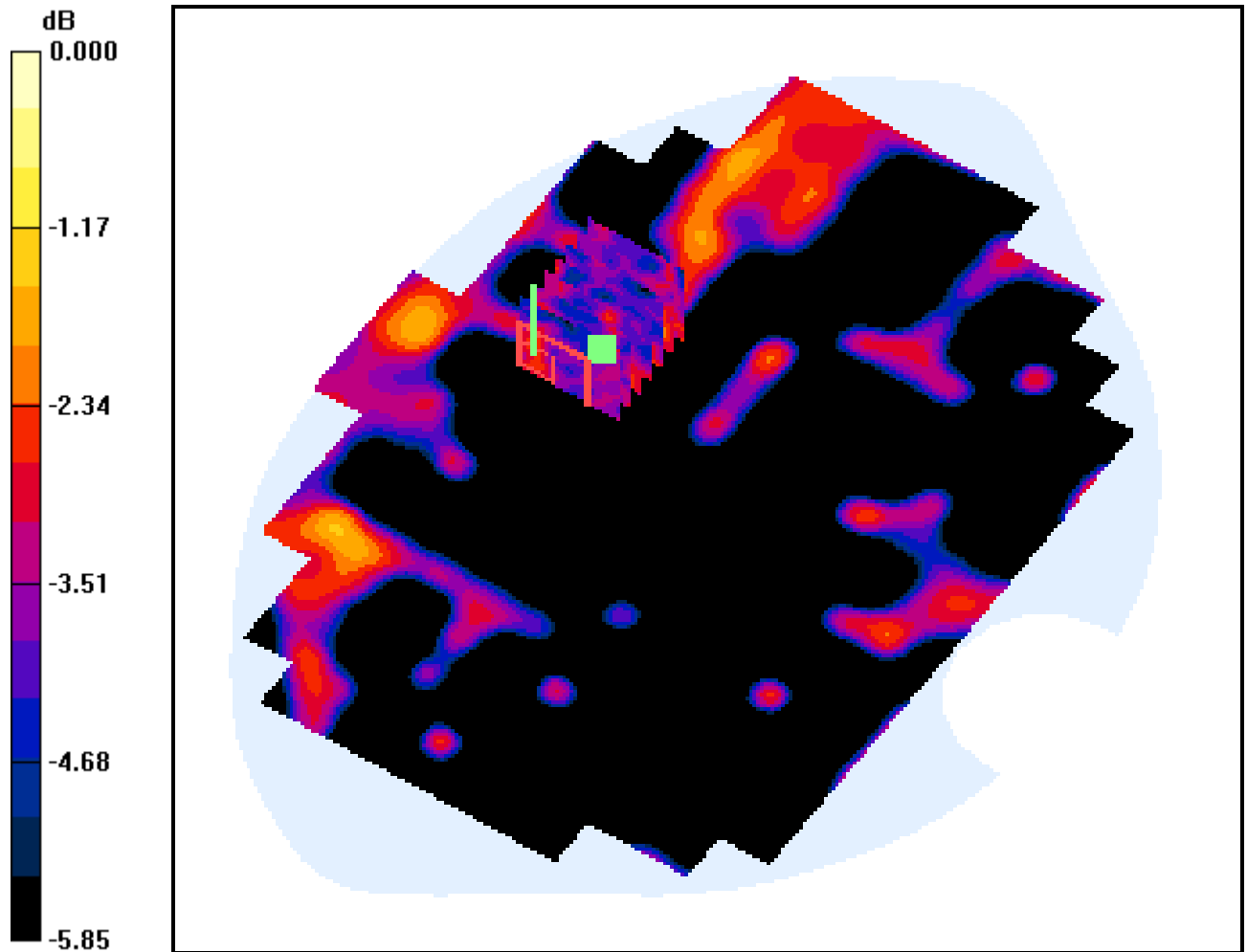
Area Scan (121x161x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

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

Power Drift = -0.109 dB

Peak SAR (extrapolated) = 0.012 W/kg

SAR(1 g) = 0.00559 mW/g; SAR(10 g) = 0.00242 mW/g



0 dB = 0.011mW/g

DIGITAL EMC CO., LTD

DUT: SWR-8225; Type: USB Modem

Communication System: W-LAN; Frequency: 2437 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 2437 \text{ MHz}$; $\sigma = 2 \text{ mho/m}$; $\epsilon_r = 53.1$; $\rho = 1000 \text{ kg/m}^3$
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: 2010-09-03; Ambient Temp: 22.0; Tissue Temp: 22.5

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

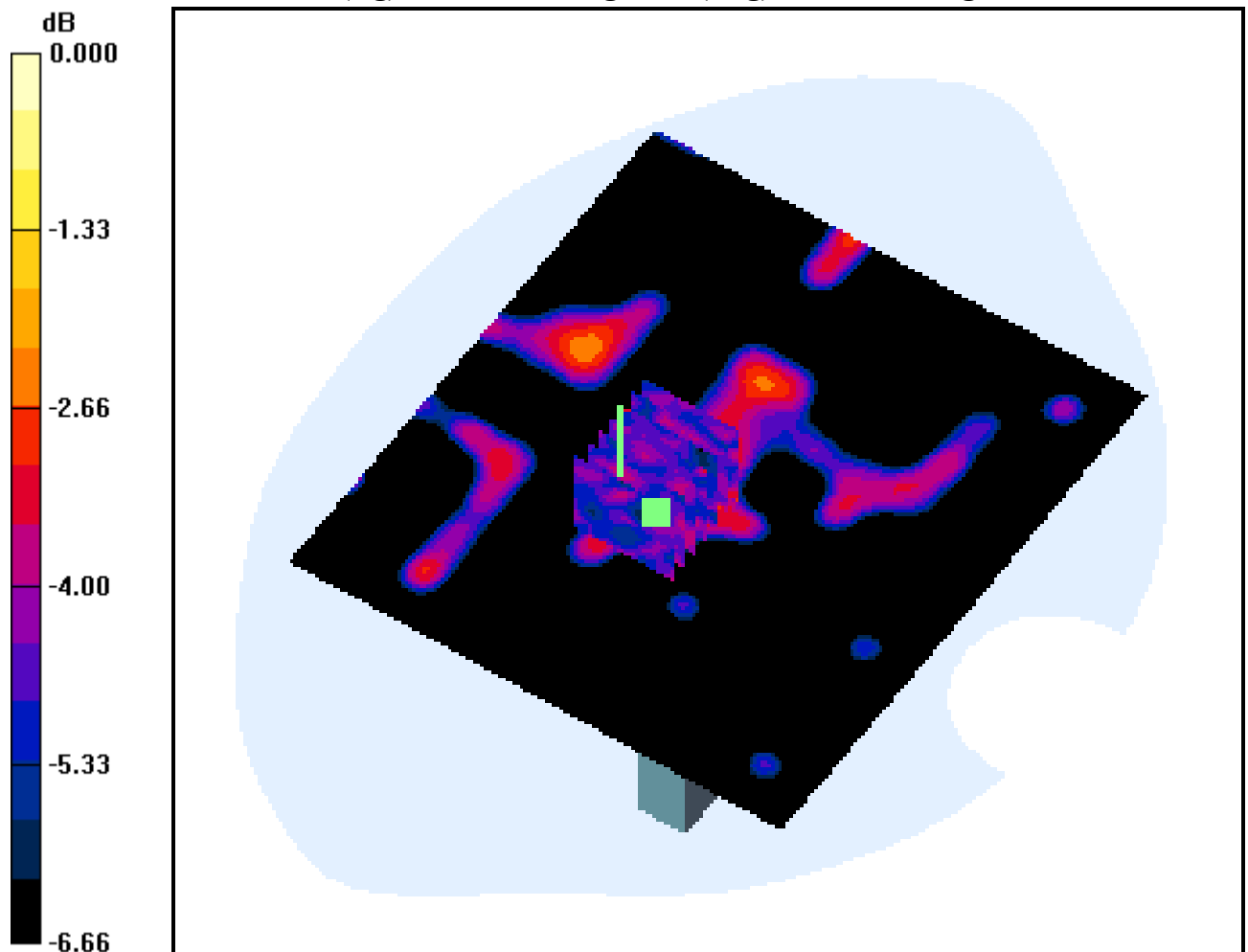
Area Scan (101x111x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

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

Power Drift = -0.107 dB

Peak SAR (extrapolated) = 0.014 W/kg

SAR(1 g) = 0.00271 mW/g; SAR(10 g) = 0.0012 mW/g



0 dB = 0.010mW/g

DIGITAL EMC CO., LTD

DUT: SWR-8225; Type: USB Modem

Communication System: W-LAN; Frequency: 2437 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 2437 \text{ MHz}$; $\sigma = 2 \text{ mho/m}$; $\epsilon_r = 53.1$; $\rho = 1000 \text{ kg/m}^3$
Phantom section: Flat Section

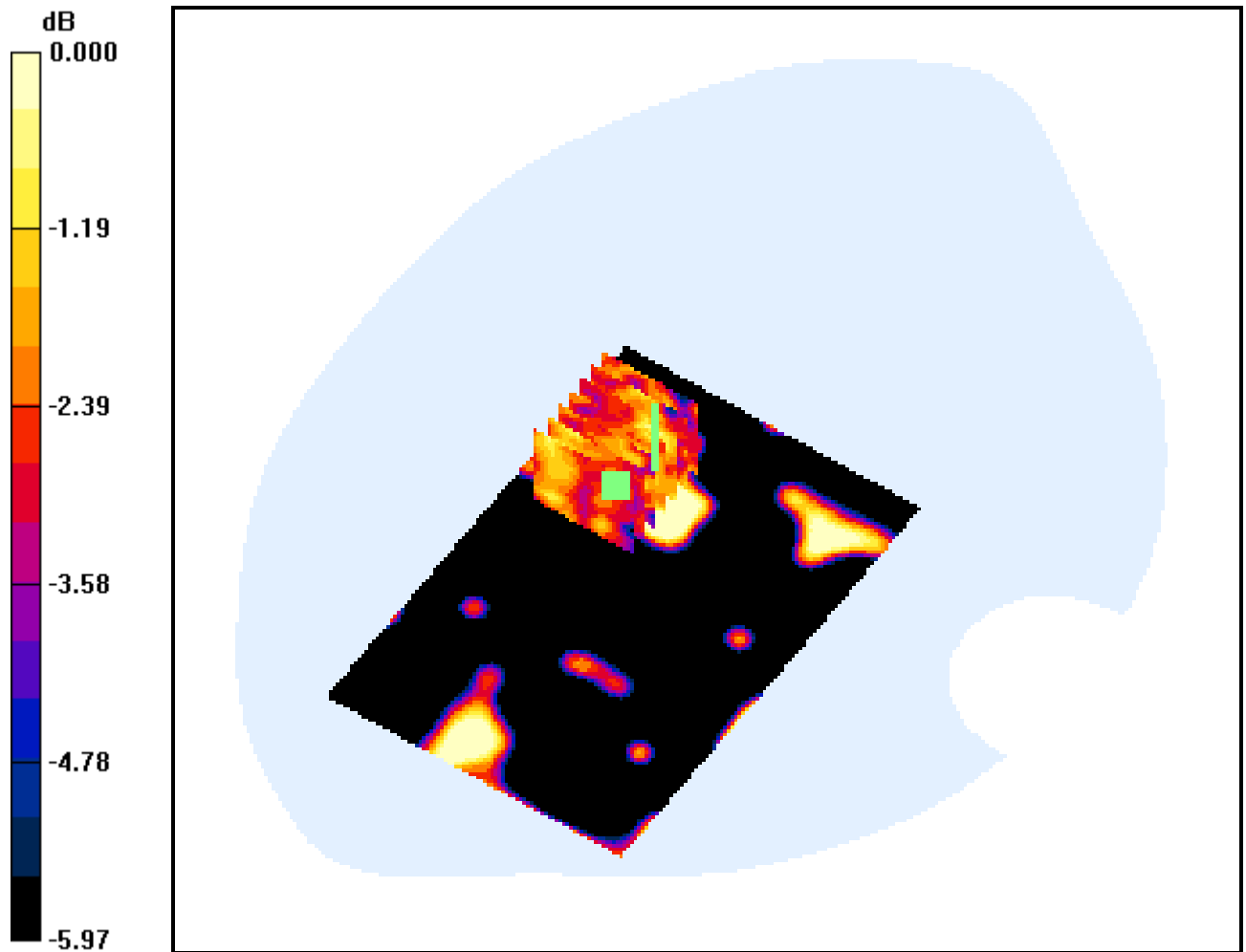
DASY4 Configuration:

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: 2010-09-03; Ambient Temp: 22.0; Tissue Temp: 22.5

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

Front/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 = -0.003 dB
Peak SAR (extrapolated) = 0.030 W/kg
SAR(1 g) = 0.011 mW/g; SAR(10 g) = 0.00846 mW/g



0 dB = 0.014mW/g

DIGITAL EMC CO., LTD

DUT: SWR-8225; Type: USB Modem

Communication System: W-LAN; Frequency: 2437 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 2437$ MHz; $\sigma = 2$ mho/m; $\epsilon_r = 53.1$; $\rho = 1000$ 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: 2010-09-03; Ambient Temp: 22.0; Tissue Temp: 22.5

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

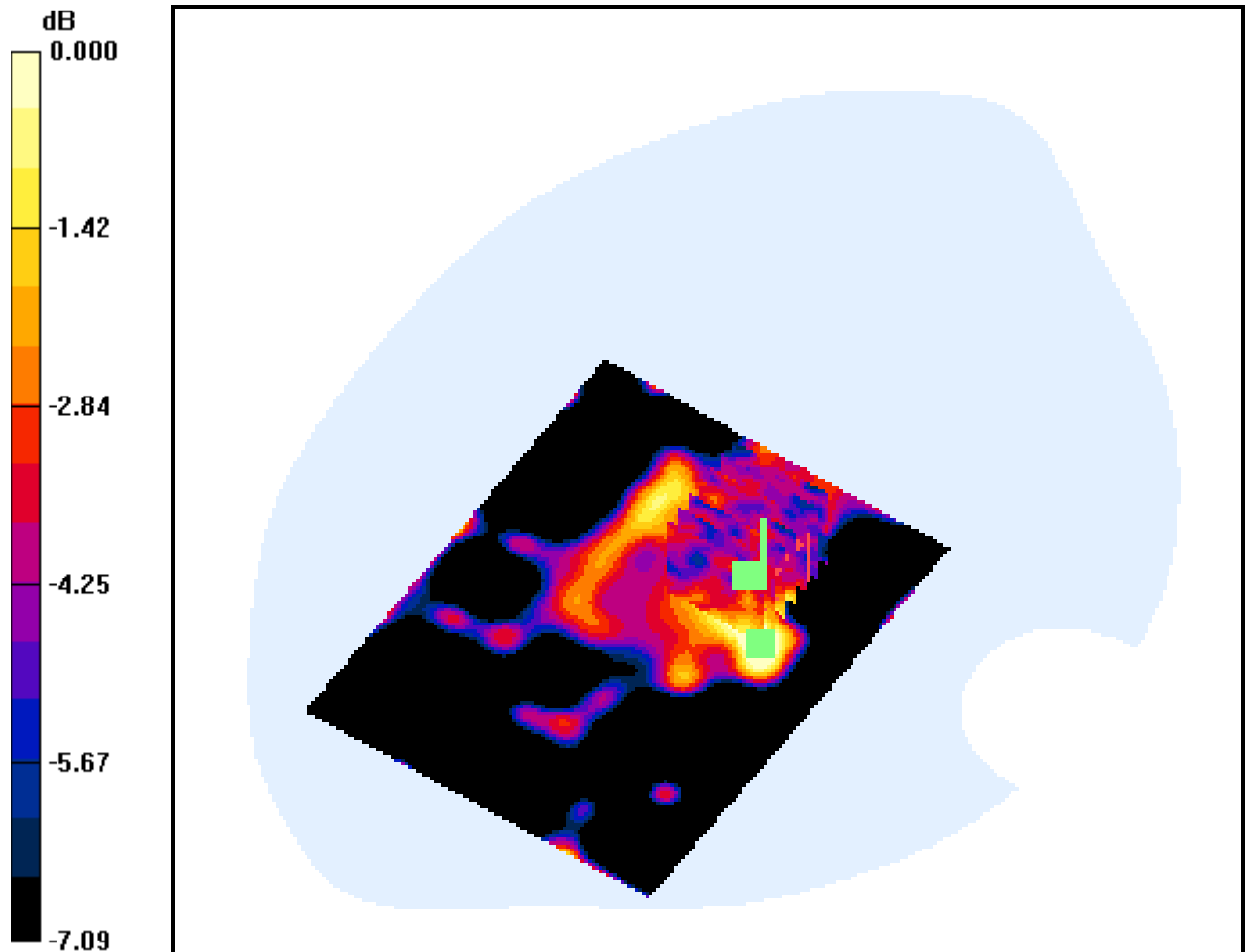
Area Scan (71x91x1): Measurement grid: dx=15mm, dy=15mm

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

Power Drift = 0.156 dB

Peak SAR (extrapolated) = 0.030 W/kg

SAR(1 g) = 0.018 mW/g; SAR(10 g) = 0.012 mW/g



0 dB = 0.023mW/g

DIGITAL EMC CO., LTD

DUT: SWR-8225; Type: USB Modem

Communication System: W-LAN; Frequency: 2437 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 2437 \text{ MHz}$; $\sigma = 2 \text{ mho/m}$; $\epsilon_r = 53.1$; $\rho = 1000 \text{ kg/m}^3$
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: 2010-09-03; Ambient Temp: 22.0; Tissue Temp: 22.5

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

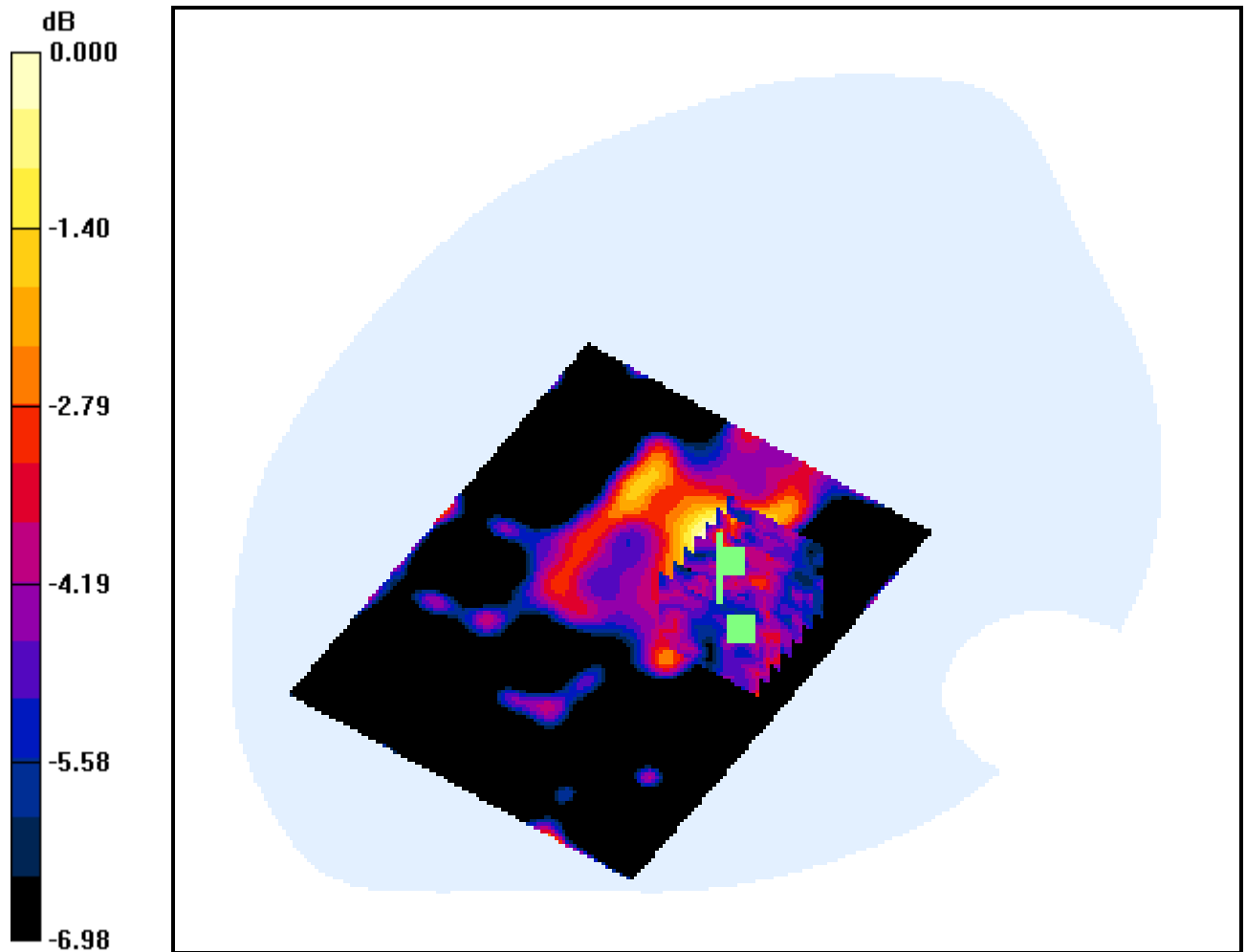
Area Scan (71x91x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

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

Power Drift = 0.156 dB

Peak SAR (extrapolated) = 0.030 W/kg

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



0 dB = 0.027mW/g

DIGITAL EMC CO., LTD

DUT: SWR-8225; Type: USB Modem

Communication System: W-LAN; Frequency: 2437 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 2437 \text{ MHz}$; $\sigma = 2 \text{ mho/m}$; $\epsilon_r = 53.1$; $\rho = 1000 \text{ kg/m}^3$
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: 2010-09-03; Ambient Temp: 22.0; Tissue Temp: 22.5

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

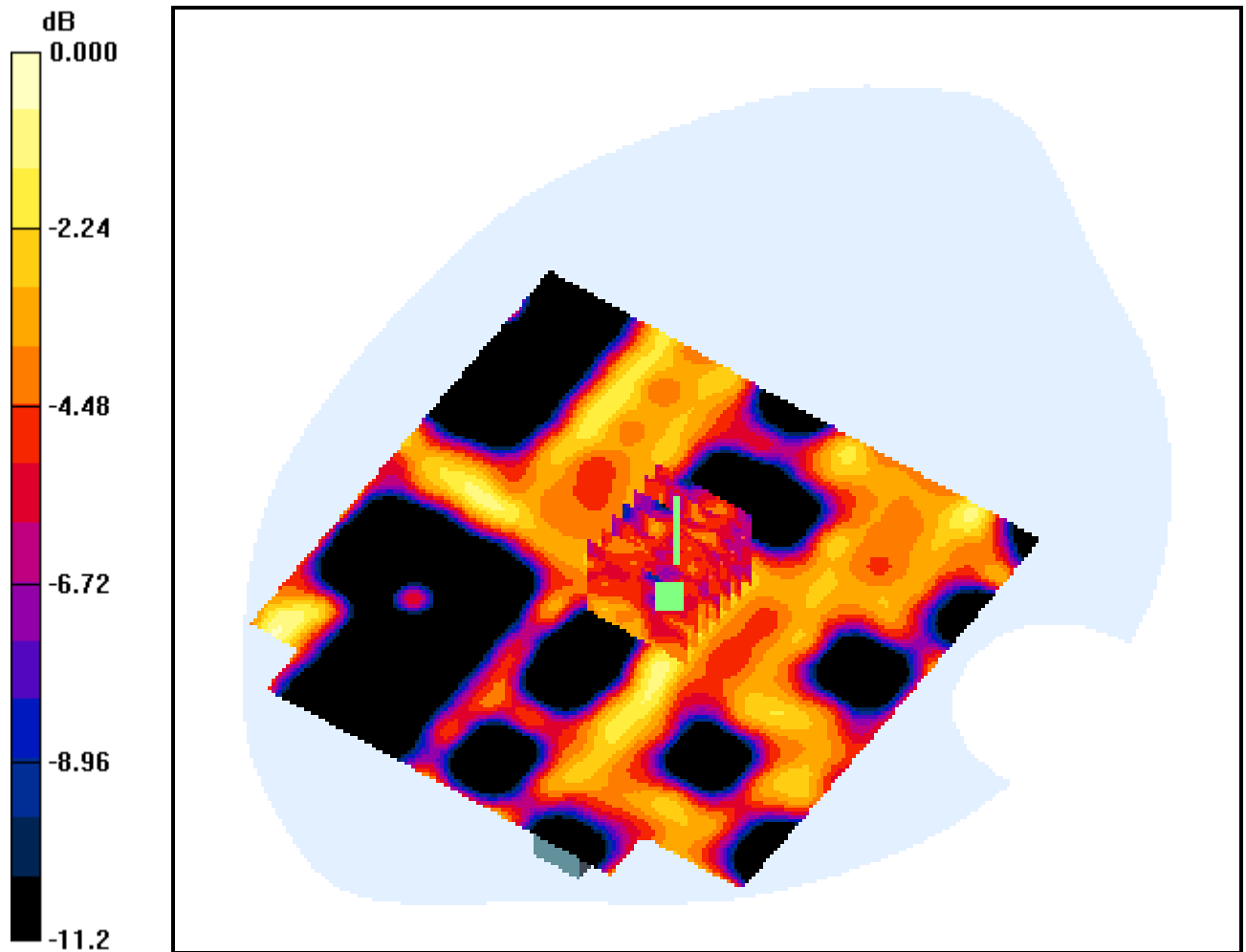
Area Scan (101x101x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

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

Power Drift = -0.147 dB

Peak SAR (extrapolated) = 0.038 W/kg

SAR(1 g) = 0.023 mW/g; SAR(10 g) = 0.013 mW/g



0 dB = 0.030mW/g

DIGITAL EMC CO., LTD

DUT: SWR-8225; Type: USB Modem

Communication System: W-LAN; Frequency: 2437 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 2437 \text{ MHz}$; $\sigma = 2 \text{ mho/m}$; $\epsilon_r = 53.1$; $\rho = 1000 \text{ kg/m}^3$
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: 2010-09-03; Ambient Temp: 22.0; Tissue Temp: 22.5

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

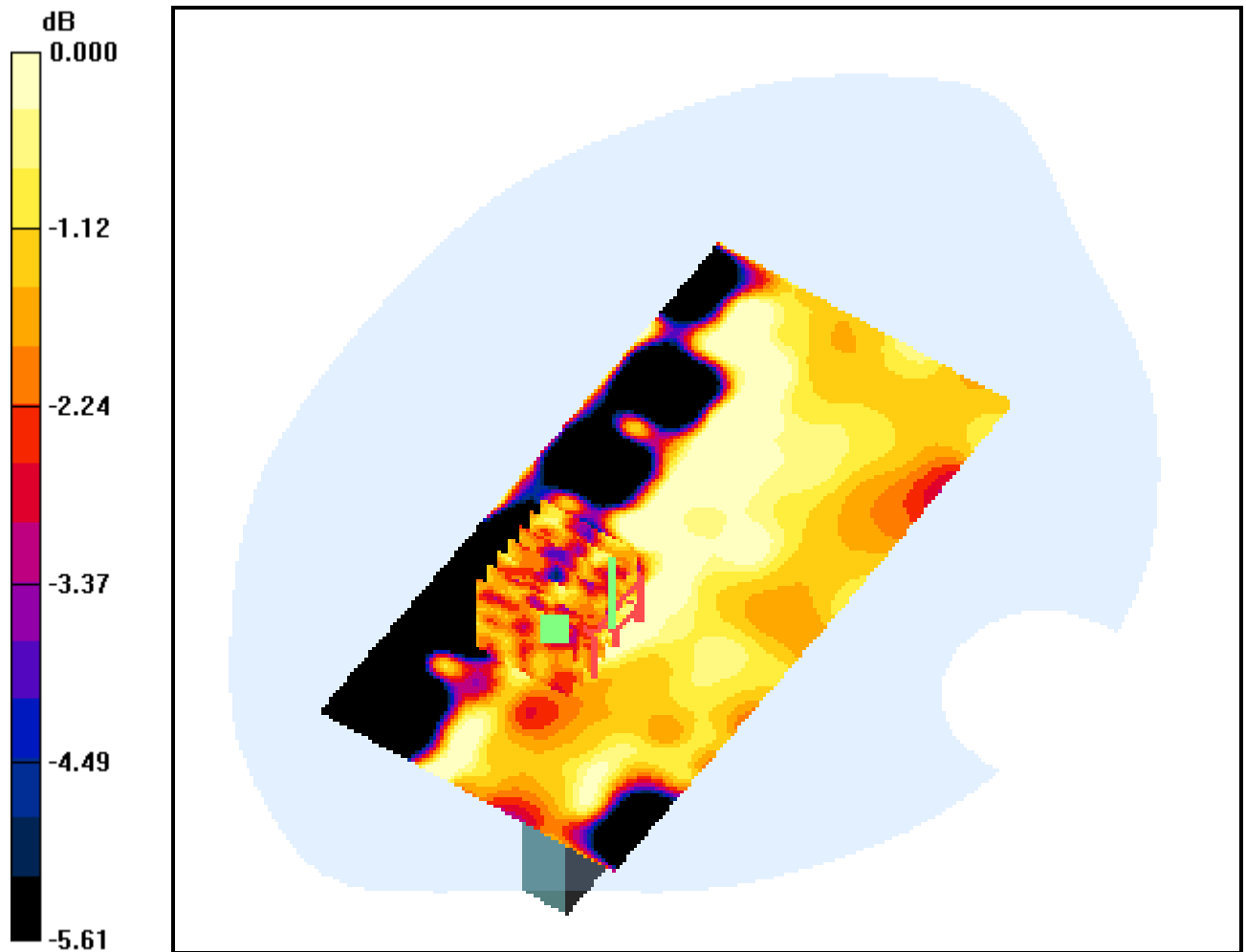
Area Scan (61x121x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

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

Power Drift = -0.058 dB

Peak SAR (extrapolated) = 0.015 W/kg

SAR(1 g) = 0.010 mW/g; SAR(10 g) = 0.00618 mW/g



0 dB = 0.012mW/g

DIGITAL EMC CO., LTD

DUT: SWR-8225; Type: USB Modem

Communication System: FCC_Wimax; Frequency: 2501 MHz; Duty Cycle: 1:3.21
Medium parameters used: $f = 2501$ MHz; $\sigma = 2.16$ mho/m; $\epsilon_r = 53.6$; $\rho = 1000$ kg/m³
Phantom section: Flat Section

DASY4 Configuration:

Probe: EX3DV4 - SN3643; ConvF(7.25, 7.25, 7.25); 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: 2010-09-14; Ambient Temp: 22.5; Tissue Temp: 23.0

1cm space from Body, WiMAX Ch. Low(2501 MHz), Ant Internal

Mode : Bandwidth 10M, 16QAM PUSC, Horizontal Down

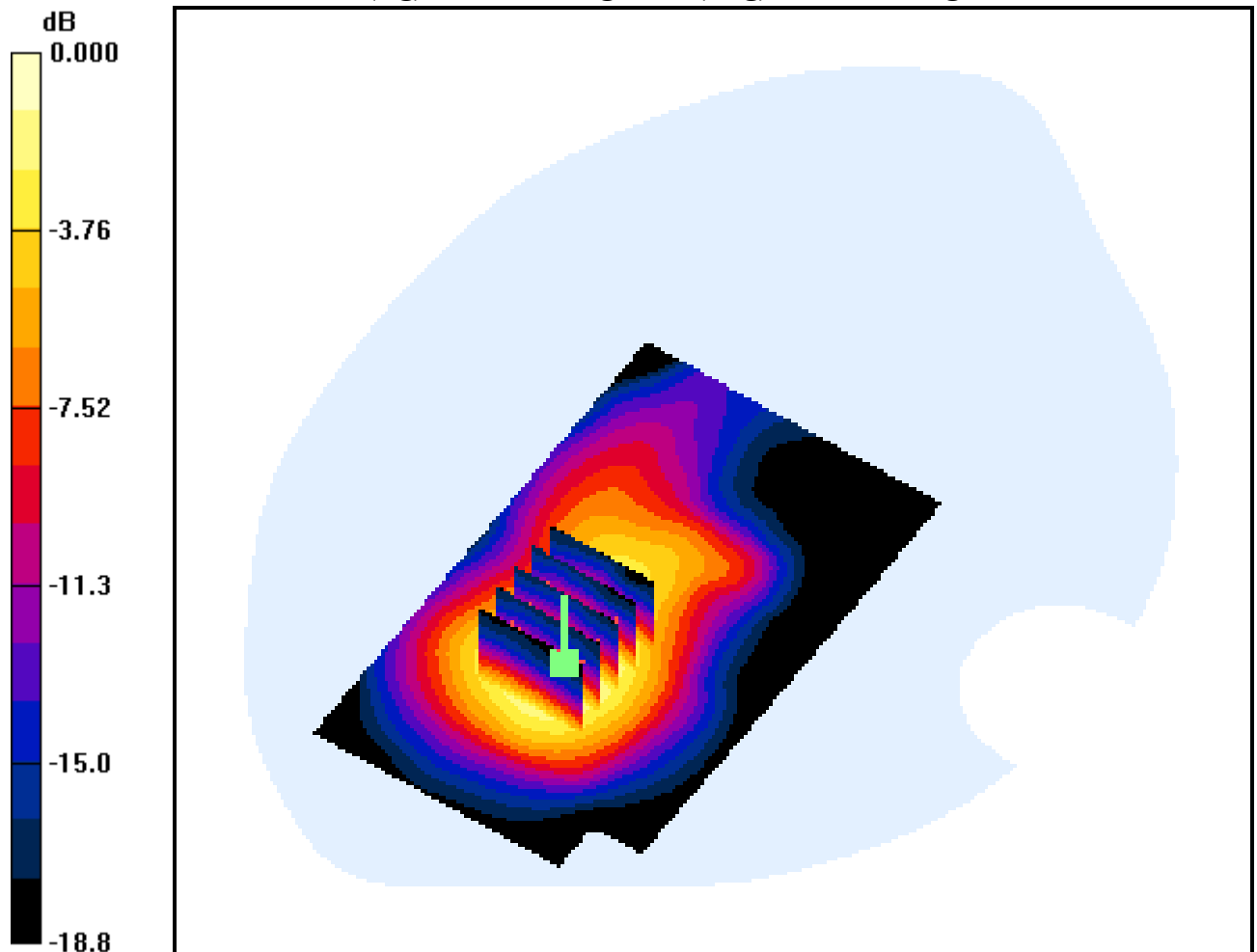
Area Scan (61x101x1): Measurement grid: dx=15mm, dy=15mm

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

Power Drift = 0.018 dB

Peak SAR (extrapolated) = 0.521 W/kg

SAR(1 g) = 0.272 mW/g; SAR(10 g) = 0.141 mW/g



0 dB = 0.368mW/g

DIGITAL EMC CO., LTD

DUT: SWR-8225; Type: USB Modem

Communication System: FCC_Wimax; Frequency: 2600 MHz; Duty Cycle: 1:3.21
Medium parameters used: $f = 2600$ MHz; $\sigma = 2.16$ mho/m; $\epsilon_r = 53.6$; $\rho = 1000$ kg/m³
Phantom section: Flat Section

DASY4 Configuration:

Probe: EX3DV4 - SN3643; ConvF(7.25, 7.25, 7.25); 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: 2010-09-14; Ambient Temp: 22.5; Tissue Temp: 23.0

1cm space from Body, WiMAX Ch. Mid(2600 MHz), Ant Internal

Mode : Bandwidth 10M, 16QAM PUSC, Horizontal Down

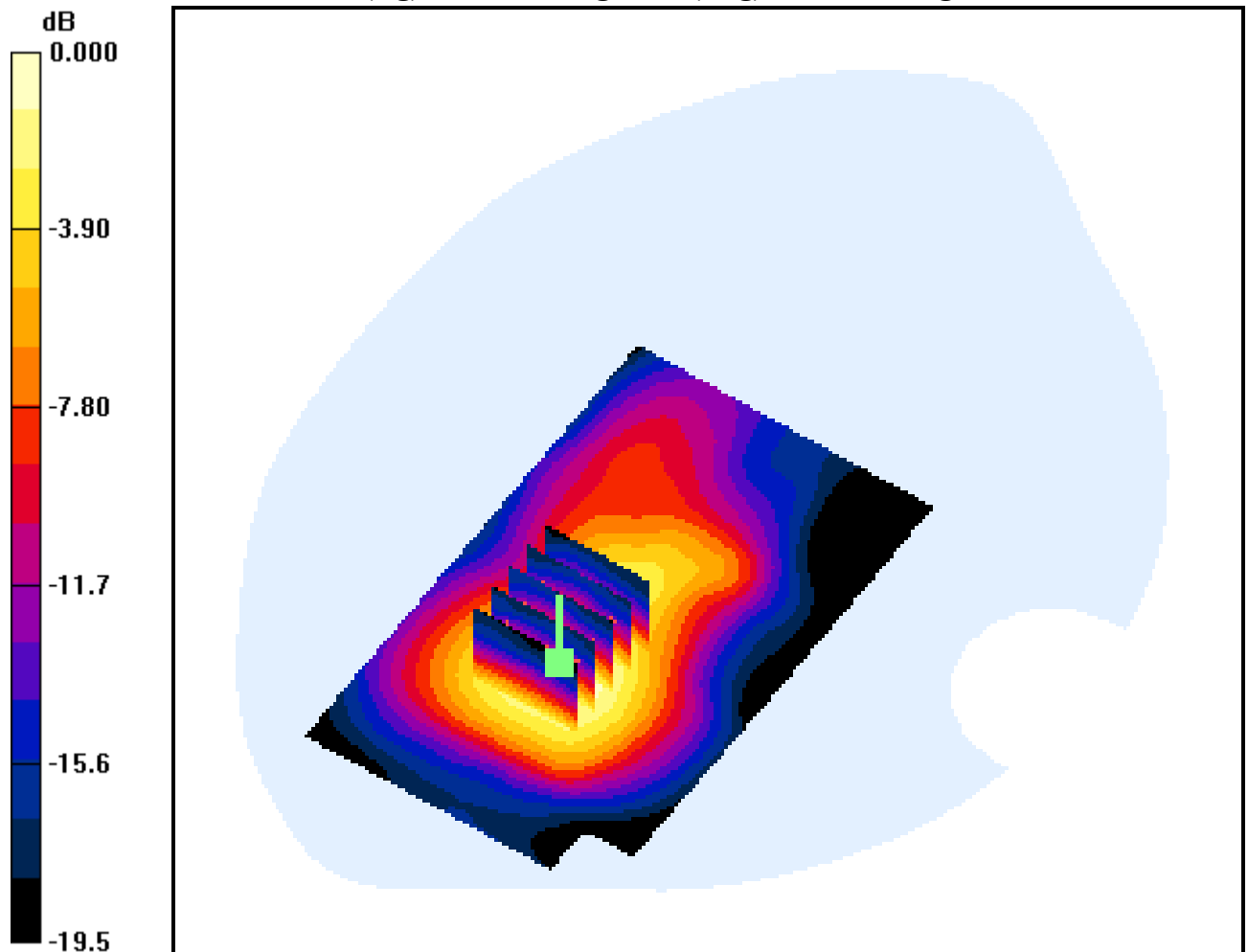
Area Scan (61x101x1): Measurement grid: dx=15mm, dy=15mm

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

Power Drift = 0.225 dB

Peak SAR (extrapolated) = 0.542 W/kg

SAR(1 g) = 0.275 mW/g; SAR(10 g) = 0.139 mW/g



0 dB = 0.375mW/g

DIGITAL EMC CO., LTD

DUT: SWR-8225; Type: USB Modem

Communication System: FCC_Wimax; Frequency: 2685 MHz; Duty Cycle: 1:3.21
Medium parameters used: $f = 2685 \text{ MHz}$; $\sigma = 2.16 \text{ mho/m}$; $\epsilon_r = 53.5$; $\rho = 1000 \text{ kg/m}^3$
Phantom section: Flat Section

DASY4 Configuration:

Probe: EX3DV4 - SN3643; ConvF(7.25, 7.25, 7.25); 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: 2010-09-14; Ambient Temp: 22.5; Tissue Temp: 23.0

1cm space from Body, WiMAX Ch. High(2685 MHz), Ant Internal

Mode : Bandwidth 10M, 16QAM PUSC, Horizontal Down

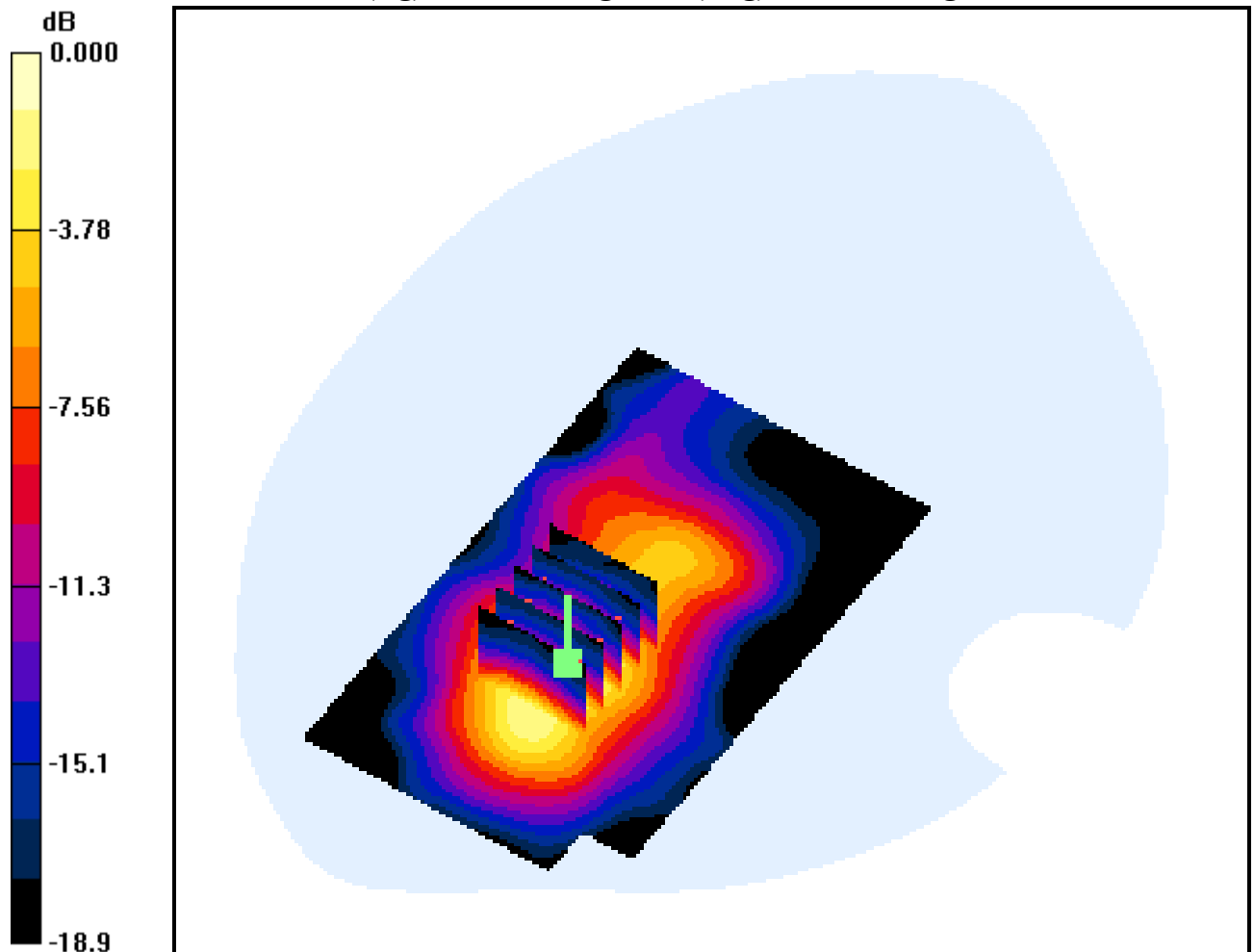
Area Scan (61x101x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

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

Power Drift = -0.270 dB

Peak SAR (extrapolated) = 0.476 W/kg

SAR(1 g) = 0.228 mW/g; SAR(10 g) = 0.108 mW/g



0 dB = 0.315mW/g

DIGITAL EMC CO., LTD

DUT: SWR-8225; Type: USB Modem

Communication System: FCC_Wimax; Frequency: 2501 MHz; Duty Cycle: 1:3.21
Medium parameters used: $f = 2501$ MHz; $\sigma = 2.16$ mho/m; $\epsilon_r = 53.6$; $\rho = 1000$ kg/m³
Phantom section: Flat Section

DASY4 Configuration:

Probe: EX3DV4 - SN3643; ConvF(7.25, 7.25, 7.25); 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: 2010-09-14; Ambient Temp: 22.5; Tissue Temp: 23.0

1cm space from Body, WiMAX Ch. Low(2501 MHz), Ant Internal

Mode : Bandwidth 10M, QPSK PUSC, Horizontal Down

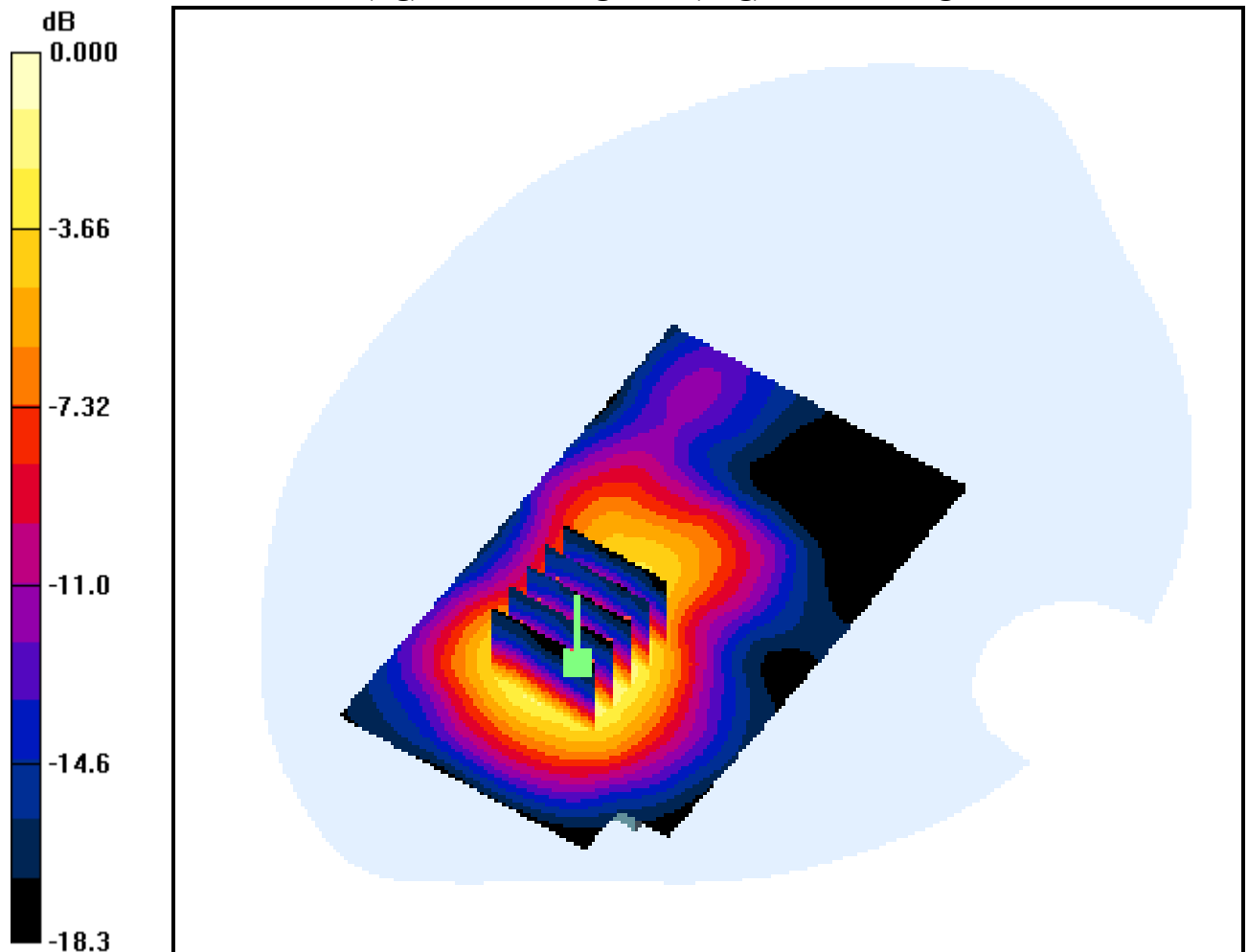
Area Scan (61x101x1): Measurement grid: dx=15mm, dy=15mm

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

Power Drift = -0.357 dB

Peak SAR (extrapolated) = 0.527 W/kg

SAR(1 g) = 0.274 mW/g; SAR(10 g) = 0.143 mW/g



0 dB = 0.367mW/g

DIGITAL EMC CO., LTD

DUT: SWR-8225; Type: USB Modem

Communication System: FCC_Wimax; Frequency: 2600 MHz; Duty Cycle: 1:3.21
Medium parameters used: $f = 2600$ MHz; $\sigma = 2.16$ mho/m; $\epsilon_r = 53.6$; $\rho = 1000$ kg/m³
Phantom section: Flat Section

DASY4 Configuration:

Probe: EX3DV4 - SN3643; ConvF(7.25, 7.25, 7.25); 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: 2010-09-14; Ambient Temp: 22.5; Tissue Temp: 23.0

1cm space from Body, WiMAX Ch. Mid(2600 MHz), Ant Internal

Mode : Bandwidth 10M, QPSK PUSC, Horizontal Down

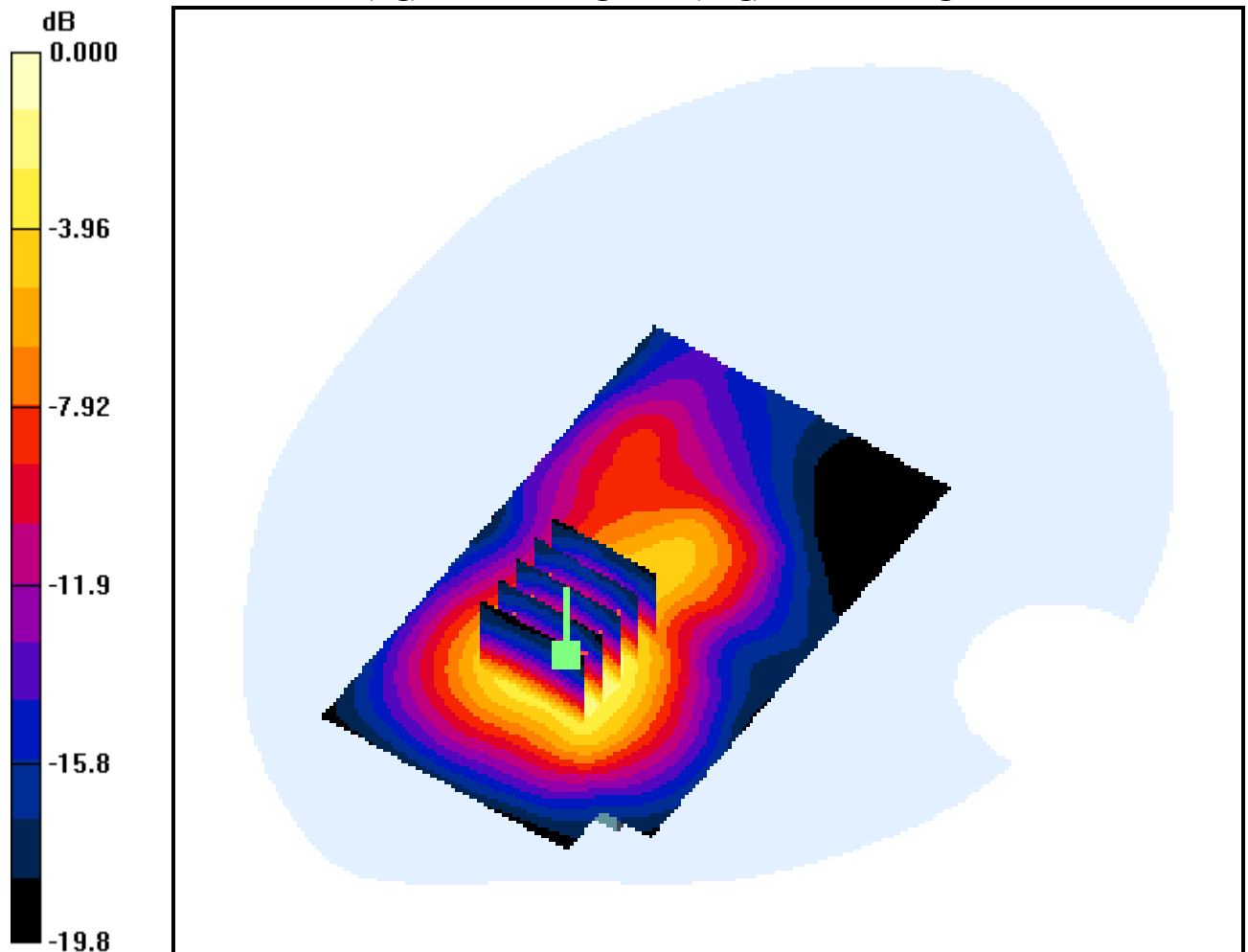
Area Scan (61x101x1): Measurement grid: dx=15mm, dy=15mm

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

Power Drift = -0.025 dB

Peak SAR (extrapolated) = 0.687 W/kg

SAR(1 g) = 0.350 mW/g; SAR(10 g) = 0.176 mW/g



0 dB = 0.472mW/g

DIGITAL EMC CO., LTD

DUT: SWR-8225; Type: USB Modem

Communication System: FCC_Wimax; Frequency: 2685 MHz; Duty Cycle: 1:3.21
Medium parameters used: $f = 2685$ MHz; $\sigma = 2.16$ mho/m; $\epsilon_r = 53.5$; $\rho = 1000$ kg/m³
Phantom section: Flat Section

DASY4 Configuration:

Probe: EX3DV4 - SN3643; ConvF(7.25, 7.25, 7.25); 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: 2010-09-14; Ambient Temp: 22.5; Tissue Temp: 23.0

1cm space from Body, WiMAX Ch. High(2685 MHz), Ant Internal

Mode : Bandwidth 10M, QPSK PUSC, Horizontal Down

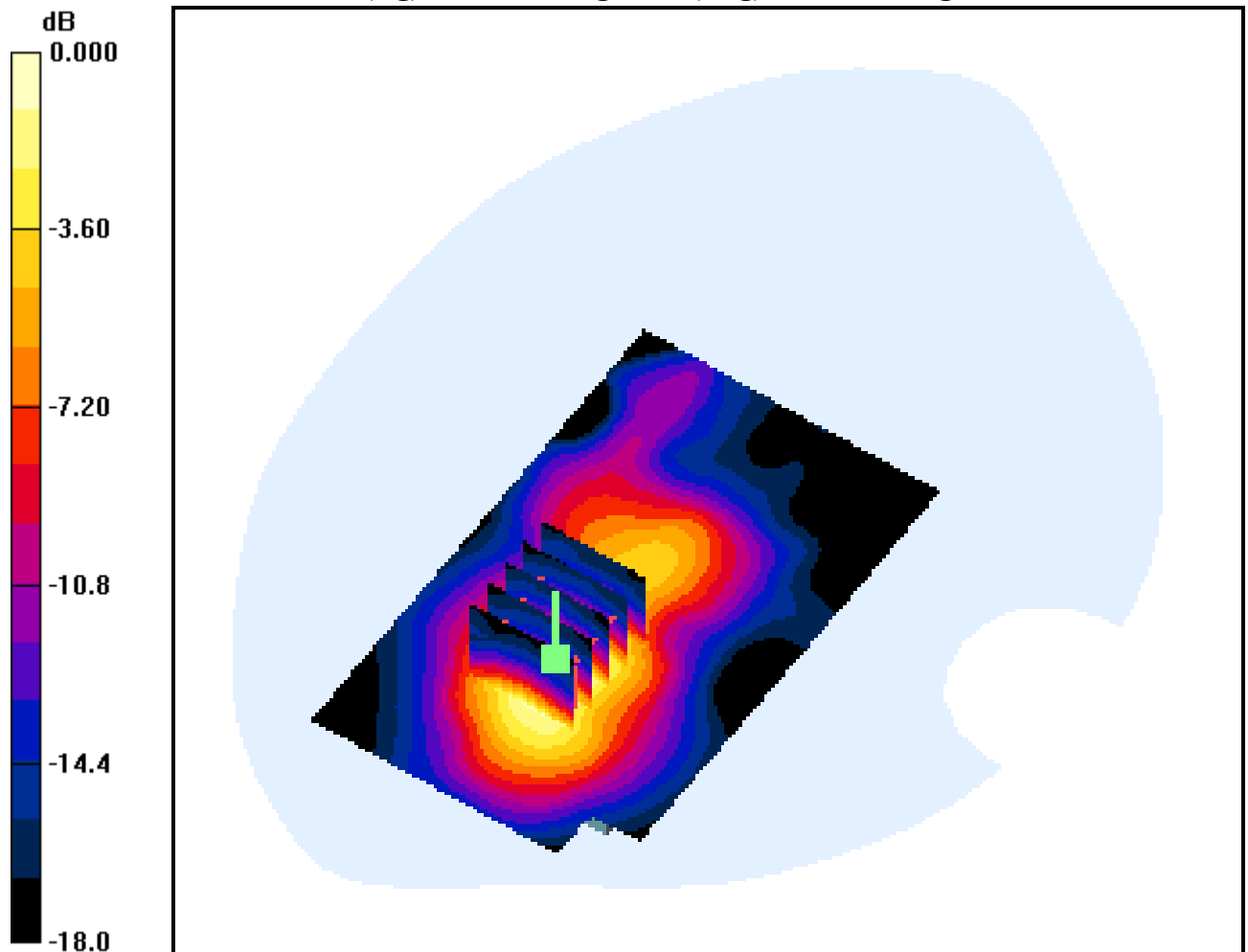
Area Scan (61x101x1): Measurement grid: dx=15mm, dy=15mm

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

Power Drift = 0.181 dB

Peak SAR (extrapolated) = 0.500 W/kg

SAR(1 g) = 0.237 mW/g; SAR(10 g) = 0.112 mW/g



0 dB = 0.318mW/g

DIGITAL EMC CO., LTD

DUT: SWR-8225; Type: USB Modem

Communication System: FCC_Wimax; Frequency: 2600 MHz; Duty Cycle: 1:3.21
Medium parameters used: $f = 2600$ MHz; $\sigma = 2.16$ mho/m; $\epsilon_r = 53.6$; $\rho = 1000$ kg/m³
Phantom section: Flat Section

DASY4 Configuration:

Probe: EX3DV4 - SN3643; ConvF(7.25, 7.25, 7.25); 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: 2010-09-14; Ambient Temp: 22.5; Tissue Temp: 23.0

1cm space from Body, WiMAX Ch. Mid(2600 MHz), Ant Internal

Mode : Bandwidth 10M, QPSK PUSC, Horizontal Down Curve

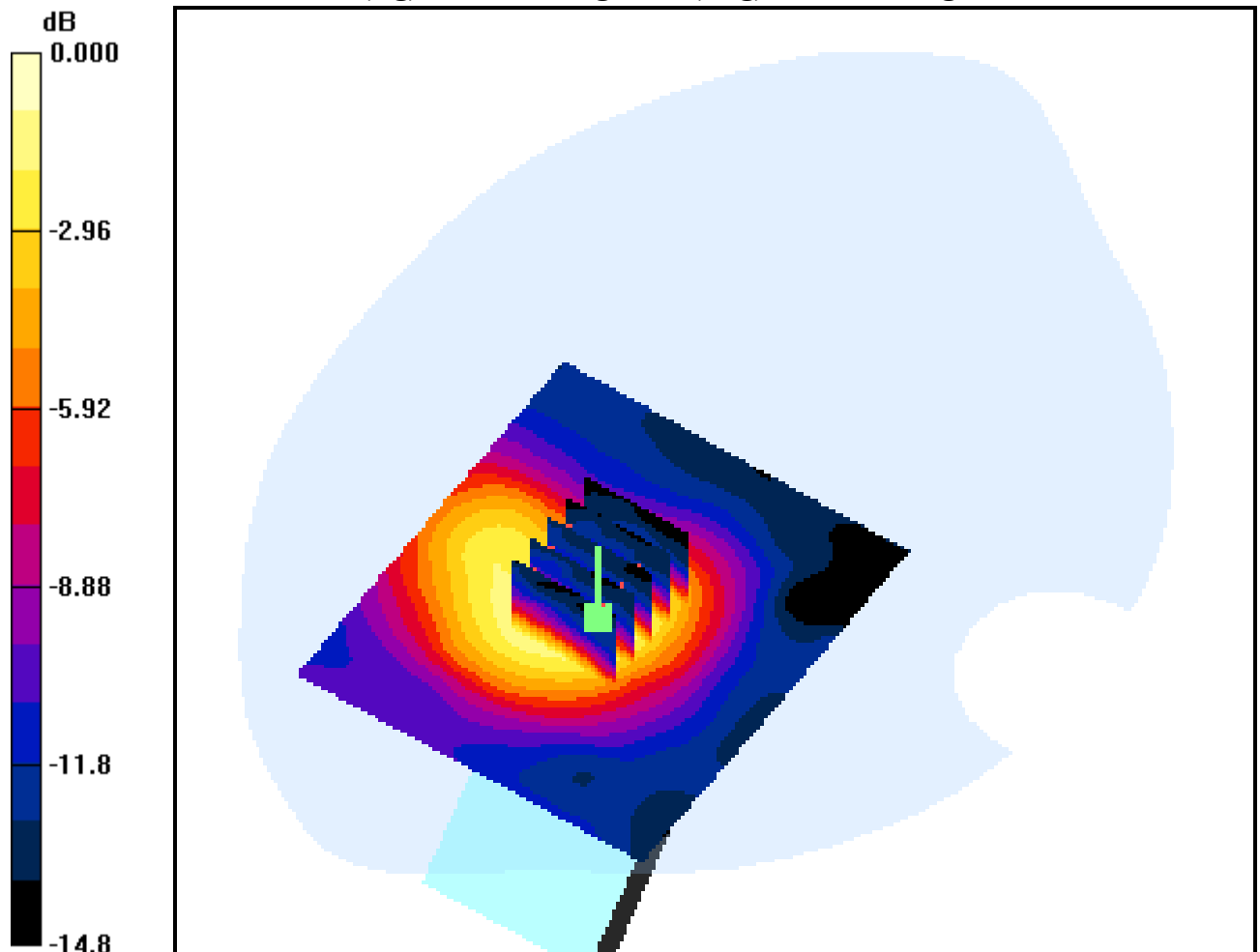
Area Scan (71x81x1): Measurement grid: dx=15mm, dy=15mm

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

Power Drift = -0.173 dB

Peak SAR (extrapolated) = 0.204 W/kg

SAR(1 g) = 0.097 mW/g; SAR(10 g) = 0.050 mW/g



0 dB = 0.132mW/g

DIGITAL EMC CO., LTD

DUT: SWR-8225; Type: USB Modem

Communication System: FCC_Wimax; Frequency: 2600 MHz; Duty Cycle: 1:3.21
Medium parameters used: $f = 2600$ MHz; $\sigma = 2.16$ mho/m; $\epsilon_r = 53.6$; $\rho = 1000$ kg/m³
Phantom section: Flat Section

DASY4 Configuration:

Probe: EX3DV4 - SN3643; ConvF(7.25, 7.25, 7.25); 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: 2010-09-14; Ambient Temp: 22.5; Tissue Temp: 23.0

Touch from Body, WiMAX Ch. Mid(2600 MHz), Ant Internal

Mode : Bandwidth 10M, QPSK PUSC, 12.5 mW, Horizontal Down

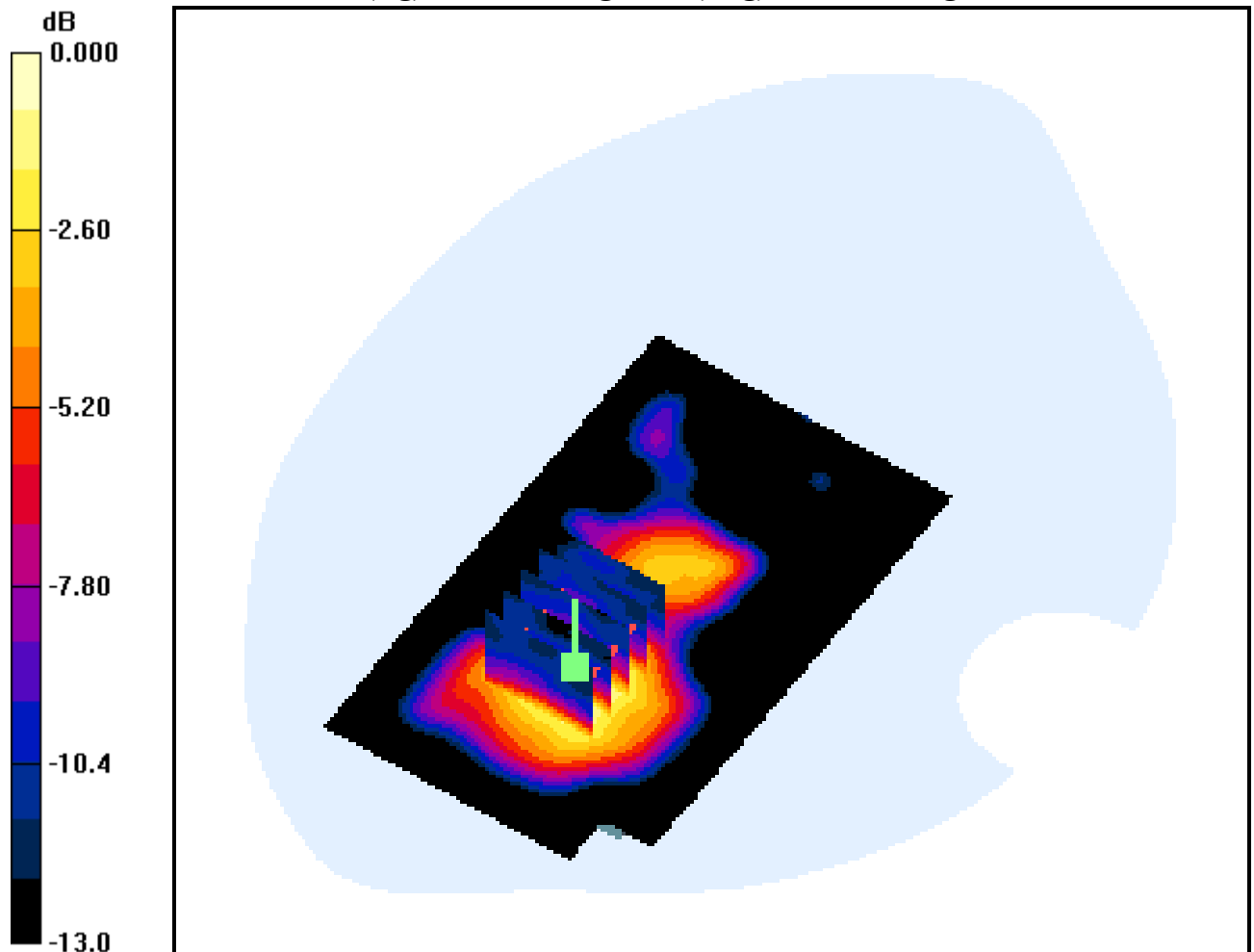
Area Scan (61x101x1): Measurement grid: dx=15mm, dy=15mm

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

Power Drift = 0.190 dB

Peak SAR (extrapolated) = 0.108 W/kg

SAR(1 g) = 0.050 mW/g; SAR(10 g) = 0.026 mW/g



0 dB = 0.067mW/g

DIGITAL EMC CO., LTD

DUT: SWR-8225; Type: USB Modem

Communication System: FCC_Wimax; Frequency: 2600 MHz; Duty Cycle: 1:3.21
Medium parameters used: $f = 2600$ MHz; $\sigma = 2.16$ mho/m; $\epsilon_r = 53.6$; $\rho = 1000$ kg/m³
Phantom section: Flat Section

DASY4 Configuration:

Probe: EX3DV4 - SN3643; ConvF(7.25, 7.25, 7.25); 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: 2010-09-14; Ambient Temp: 22.5; Tissue Temp: 23.0

Touch from Body, WiMAX Ch. Mid(2600 MHz), Ant Internal

Mode : Bandwidth 10M, QPSK PUSC, 25 mW, Horizontal Down

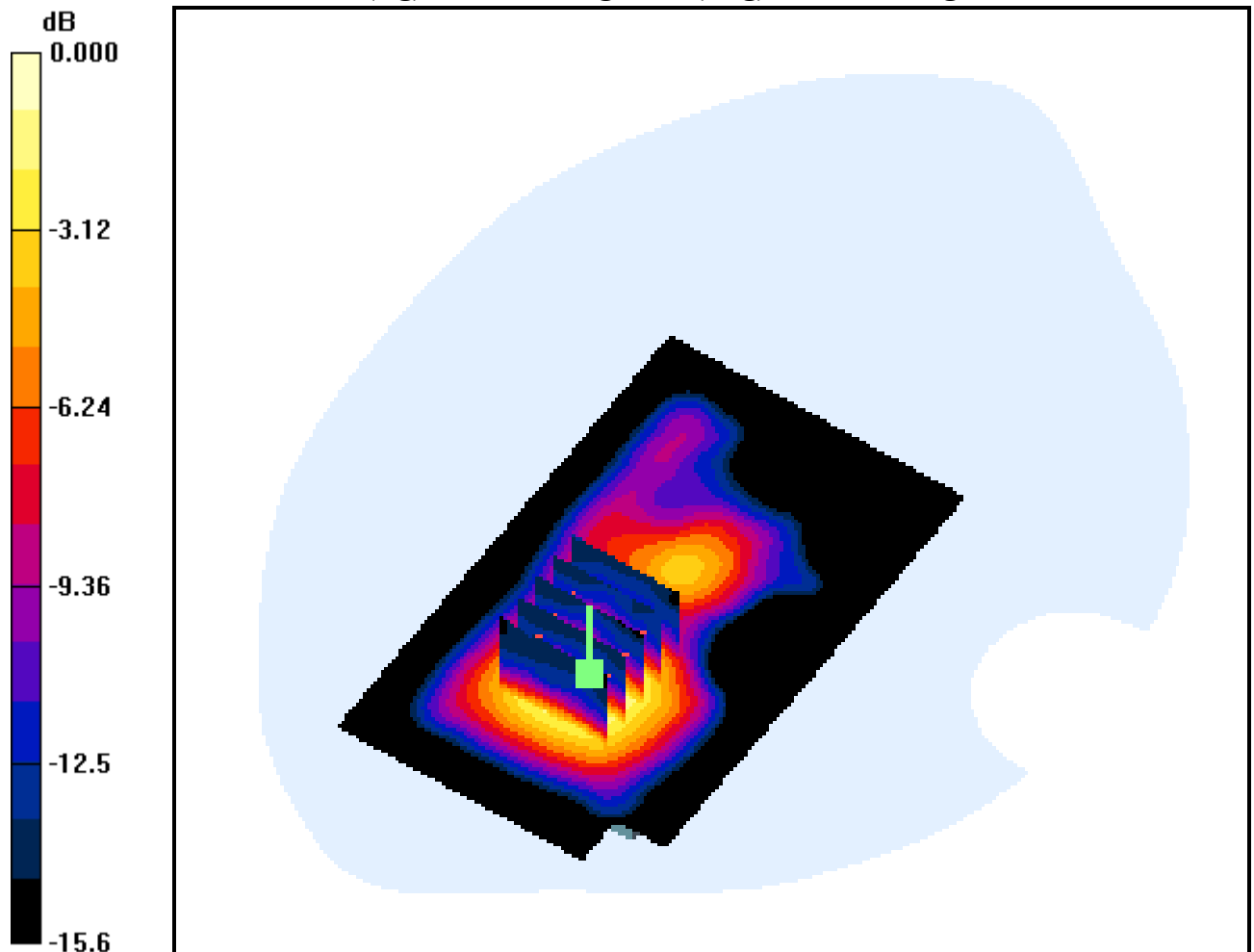
Area Scan (61x101x1): Measurement grid: dx=15mm, dy=15mm

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

Power Drift = 0.131 dB

Peak SAR (extrapolated) = 0.218 W/kg

SAR(1 g) = 0.101 mW/g; SAR(10 g) = 0.051 mW/g



0 dB = 0.137mW/g

DIGITAL EMC CO., LTD

DUT: SWR-8225; Type: USB Modem

Communication System: FCC_Wimax; Frequency: 2600 MHz; Duty Cycle: 1:3.21
Medium parameters used: $f = 2600$ MHz; $\sigma = 2.16$ mho/m; $\epsilon_r = 53.6$; $\rho = 1000$ kg/m³
Phantom section: Flat Section

DASY4 Configuration:

Probe: EX3DV4 - SN3643; ConvF(7.25, 7.25, 7.25); 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: 2010-09-14; Ambient Temp: 22.5; Tissue Temp: 23.0

Touch from Body, WiMAX Ch. Mid(2600 MHz), Ant Internal

Mode : Bandwidth 10M, QPSK PUSC, 50 mW, Horizontal Down

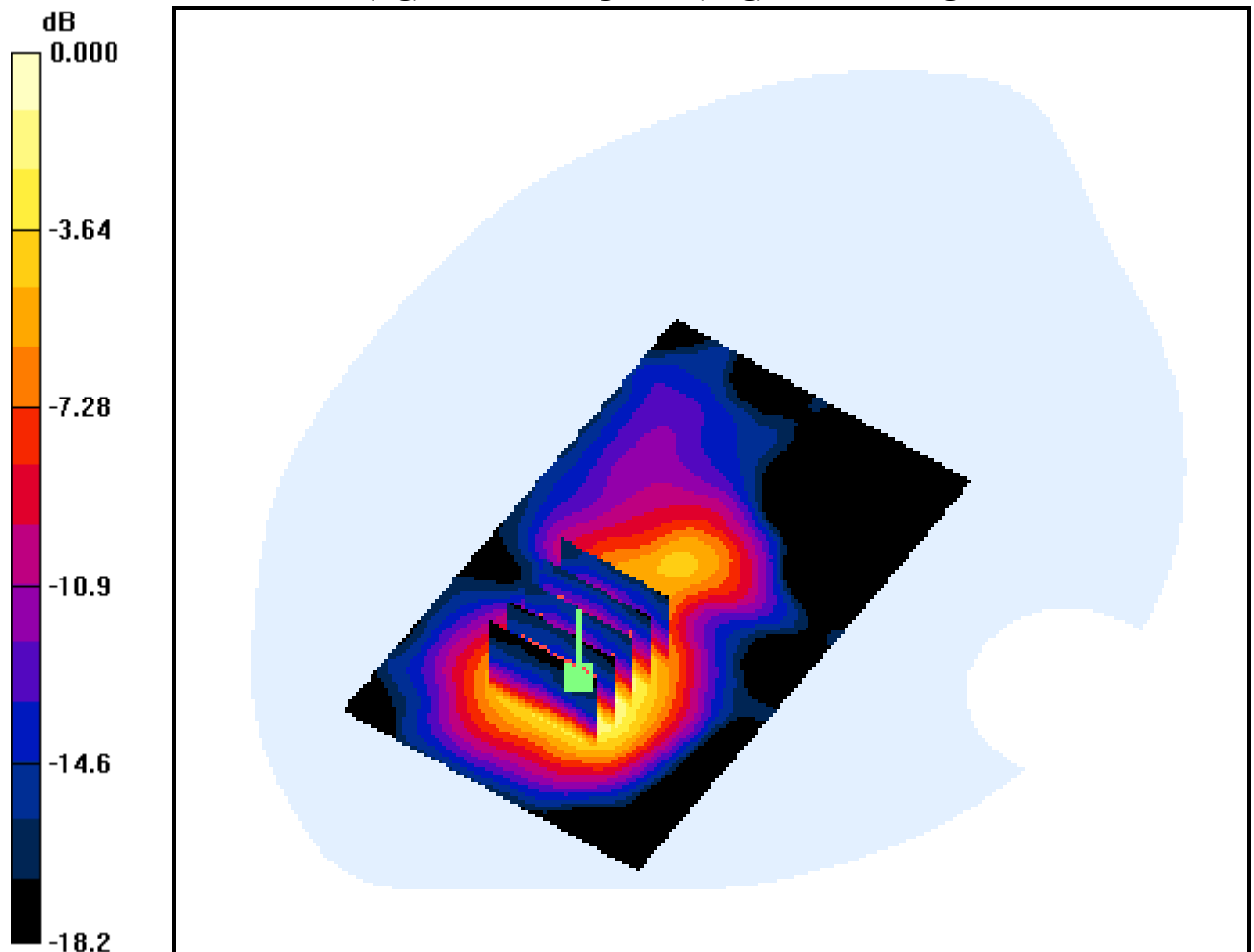
Area Scan (61x101x1): Measurement grid: dx=15mm, dy=15mm

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

Power Drift = -0.020 dB

Peak SAR (extrapolated) = 0.422 W/kg

SAR(1 g) = 0.205 mW/g; SAR(10 g) = 0.101 mW/g



0 dB = 0.276mW/g

DIGITAL EMC CO., LTD

DUT: SWR-8225; Type: USB Modem

Communication System: FCC_Wimax; Frequency: 2600 MHz; Duty Cycle: 1:3.21
Medium parameters used: $f = 2600$ MHz; $\sigma = 2.16$ mho/m; $\epsilon_r = 53.6$; $\rho = 1000$ kg/m³
Phantom section: Flat Section

DASY4 Configuration:

Probe: EX3DV4 - SN3643; ConvF(7.25, 7.25, 7.25); 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: 2010-09-14; Ambient Temp: 22.5; Tissue Temp: 23.0

Touch from Body, WiMAX Ch. Mid(2600 MHz), Ant Internal

Mode : Bandwidth 10M, QPSK PUSC, 100 mW, Horizontal Down

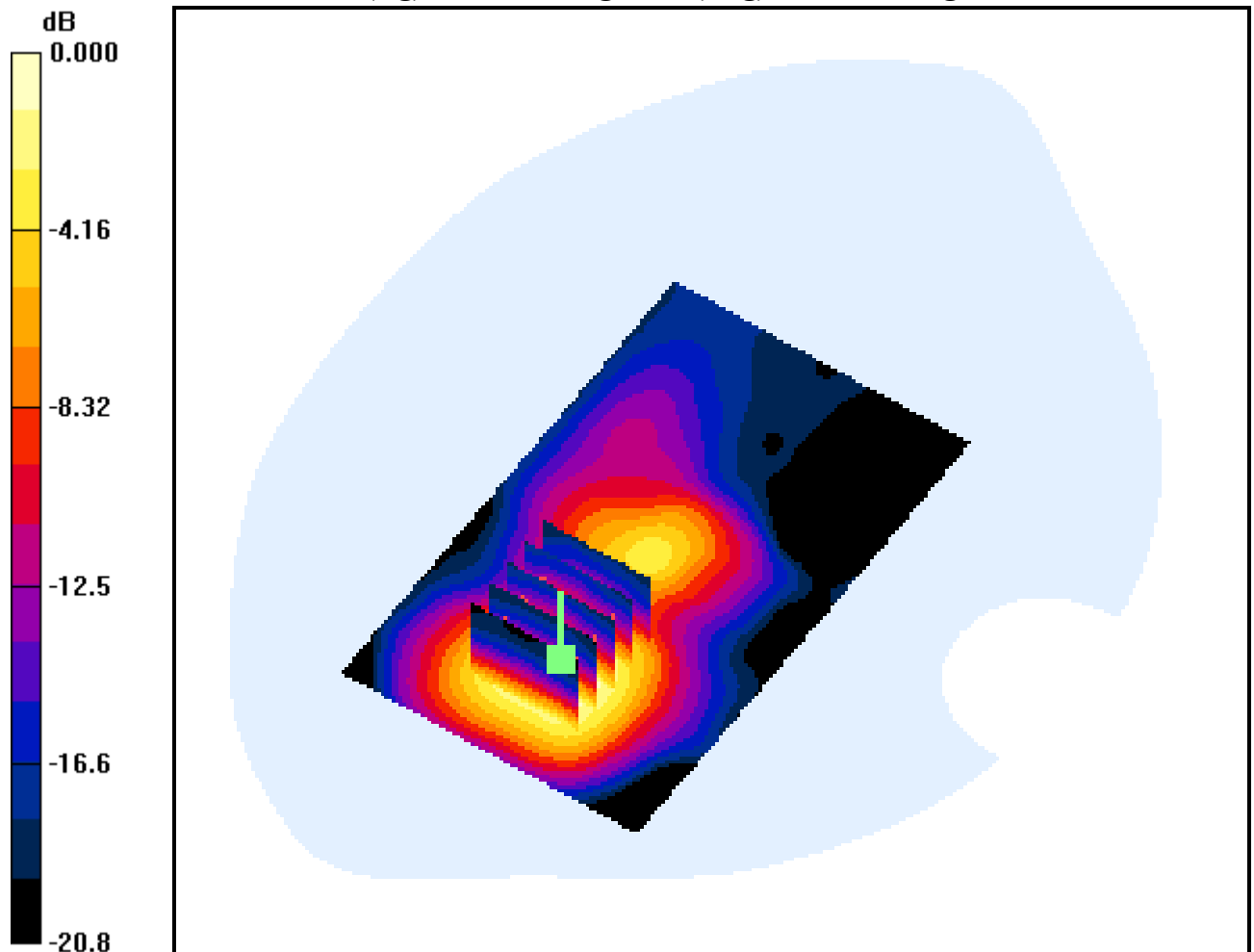
Area Scan (61x101x1): Measurement grid: dx=15mm, dy=15mm

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

Power Drift = -0.284 dB

Peak SAR (extrapolated) = 0.866 W/kg

SAR(1 g) = 0.416 mW/g; SAR(10 g) = 0.204 mW/g



0 dB = 0.566mW/g

DIGITAL EMC CO., LTD

DUT: SWR-8225; Type: USB Modem

Communication System: FCC_Wimax; Frequency: 2600 MHz; Duty Cycle: 1:3.21
Medium parameters used: $f = 2600$ MHz; $\sigma = 2.16$ mho/m; $\epsilon_r = 53.6$; $\rho = 1000$ kg/m³
Phantom section: Flat Section

DASY4 Configuration:

Probe: EX3DV4 - SN3643; ConvF(7.25, 7.25, 7.25); 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: 2010-09-14; Ambient Temp: 22.5; Tissue Temp: 23.0

Touch from Body, WiMAX Ch. Mid(2600 MHz), Ant Internal

Mode : Bandwidth 10M, QPSK PUSC, 200 mW, Horizontal Down

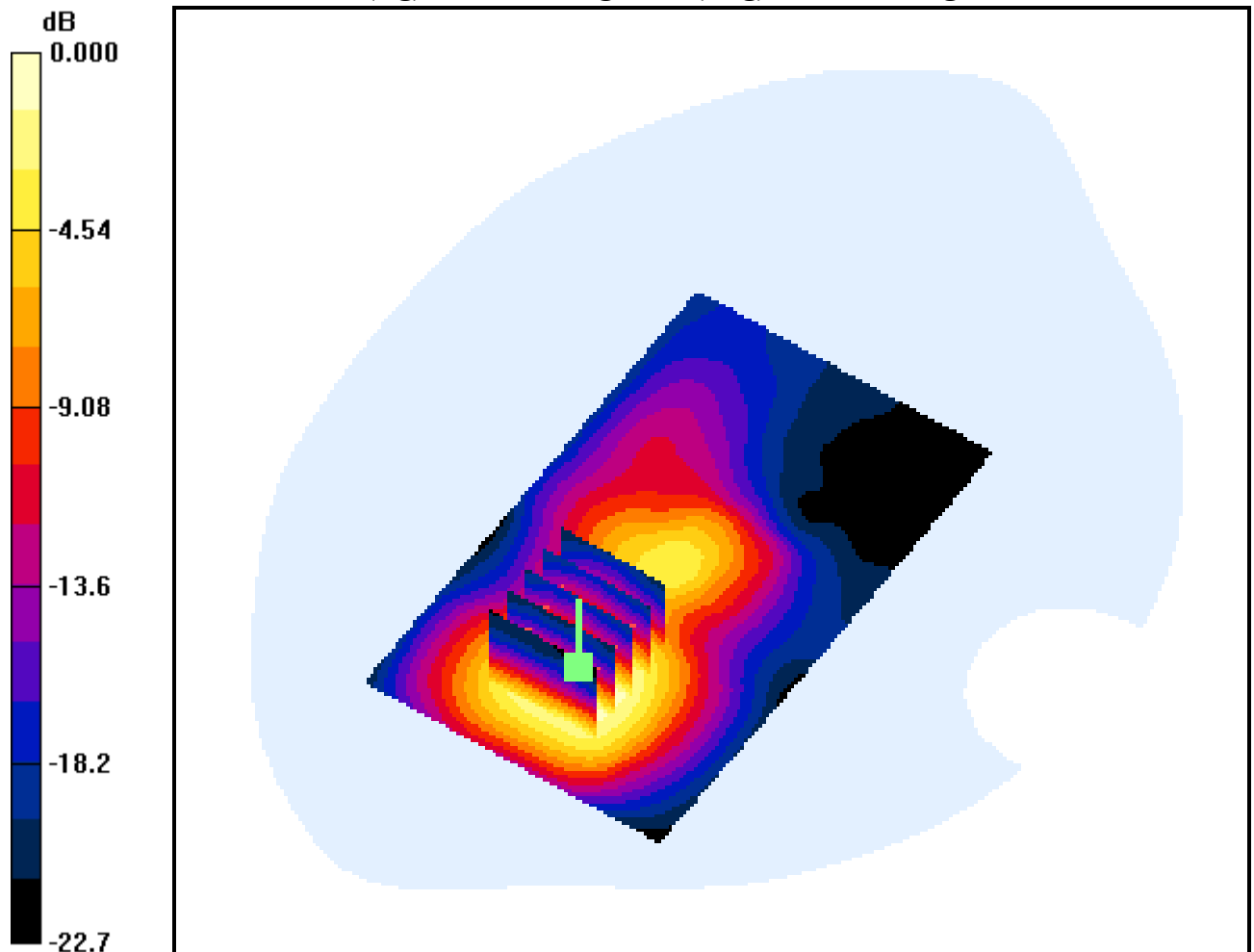
Area Scan (61x101x1): Measurement grid: dx=15mm, dy=15mm

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

Power Drift = 0.040 dB

Peak SAR (extrapolated) = 1.50 W/kg

SAR(1 g) = 0.724 mW/g; SAR(10 g) = 0.357 mW/g



0 dB = 0.968mW/g

DIGITAL EMC CO., LTD

DUT: SWR-8225; Type: USB Modem

Communication System: FCC_Wimax; Frequency: 2600 MHz; Duty Cycle: 1:3.21
Medium parameters used: $f = 2600$ MHz; $\sigma = 2.16$ mho/m; $\epsilon_r = 53.6$; $\rho = 1000$ kg/m³
Phantom section: Flat Section

DASY4 Configuration:

Probe: EX3DV4 - SN3643; ConvF(7.25, 7.25, 7.25); 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: 2010-09-14; Ambient Temp: 22.5; Tissue Temp: 23.0

1cm space from Body, WiMAX Ch. Mid(2600 MHz), Ant Internal

Mode : Bandwidth 10M, QPSK PUSC, Horizontal Down

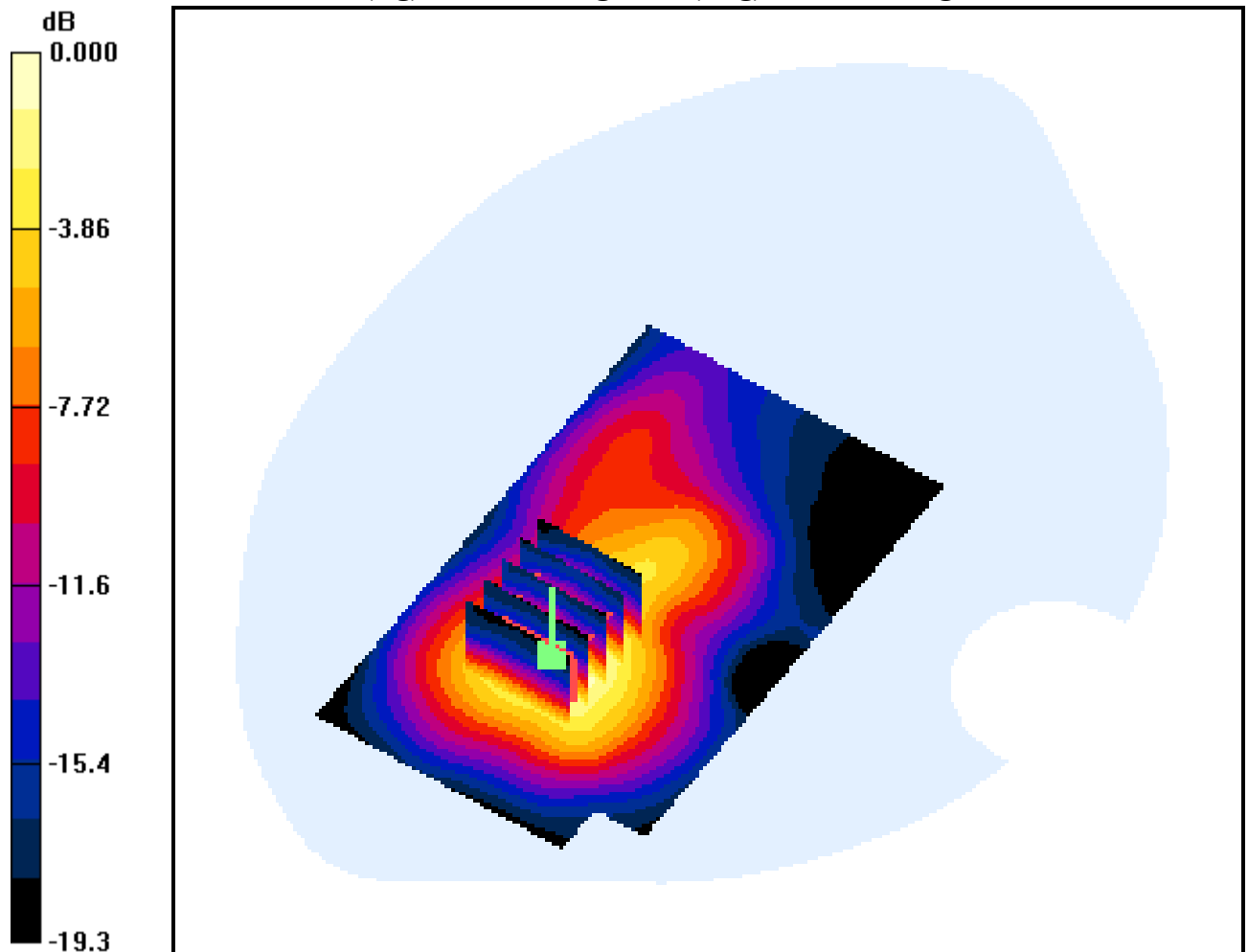
Area Scan (61x101x1): Measurement grid: dx=15mm, dy=15mm

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

Power Drift = 0.075 dB

Peak SAR (extrapolated) = 0.713 W/kg

SAR(1 g) = 0.354 mW/g; SAR(10 g) = 0.178 mW/g



0 dB = 0.475mW/g

DIGITAL EMC CO., LTD

DUT: SWR-8225; Type: USB Modem

Communication System: FCC_Wimax; Frequency: 2600 MHz; Duty Cycle: 1:3.21
Medium parameters used: $f = 2600$ MHz; $\sigma = 2.16$ mho/m; $\epsilon_r = 53.6$; $\rho = 1000$ kg/m³
Phantom section: Flat Section

DASY4 Configuration:

Probe: EX3DV4 - SN3643; ConvF(7.25, 7.25, 7.25); 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: 2010-09-14; Ambient Temp: 22.5; Tissue Temp: 23.0

1cm space from Body, WiMAX Ch. Mid(2600 MHz), Ant Internal

Mode : Bandwidth 10M, QPSK PUSC, Step Size Minimum, Horizontal Down

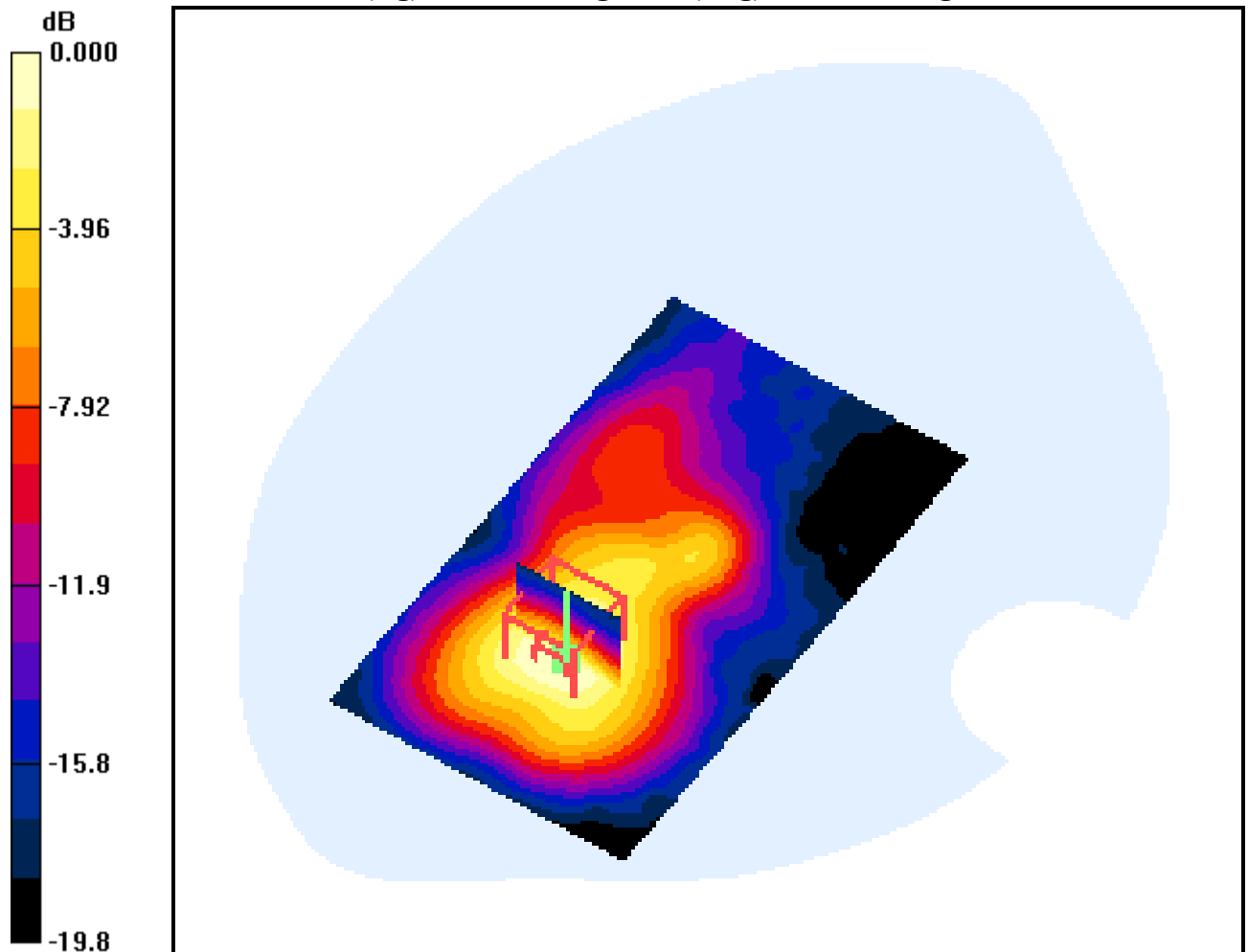
Area Scan (181x311x1): Measurement grid: dx=5mm, dy=5mm

Zoom Scan (9x9x13)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm

Power Drift = 0.084 dB

Peak SAR (extrapolated) = 0.670 W/kg

SAR(1 g) = 0.352 mW/g; SAR(10 g) = 0.177 mW/g



0 dB = 0.477mW/g