

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: $f = 835 \text{ MHz}$; $\sigma = 0.918 \text{ mho/m}$; $\epsilon_r = 42.4$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

DASY4 Configuration:

Probe: ET3DV6 - SN1703; ConvF(6.49, 6.49, 6.49); Calibrated: 2008-01-29; Electronics: DAE3 Sn520

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: 2008-03-11; Ambient Temp: 21.0; Tissue Temp: 20.8

Dipole Validation

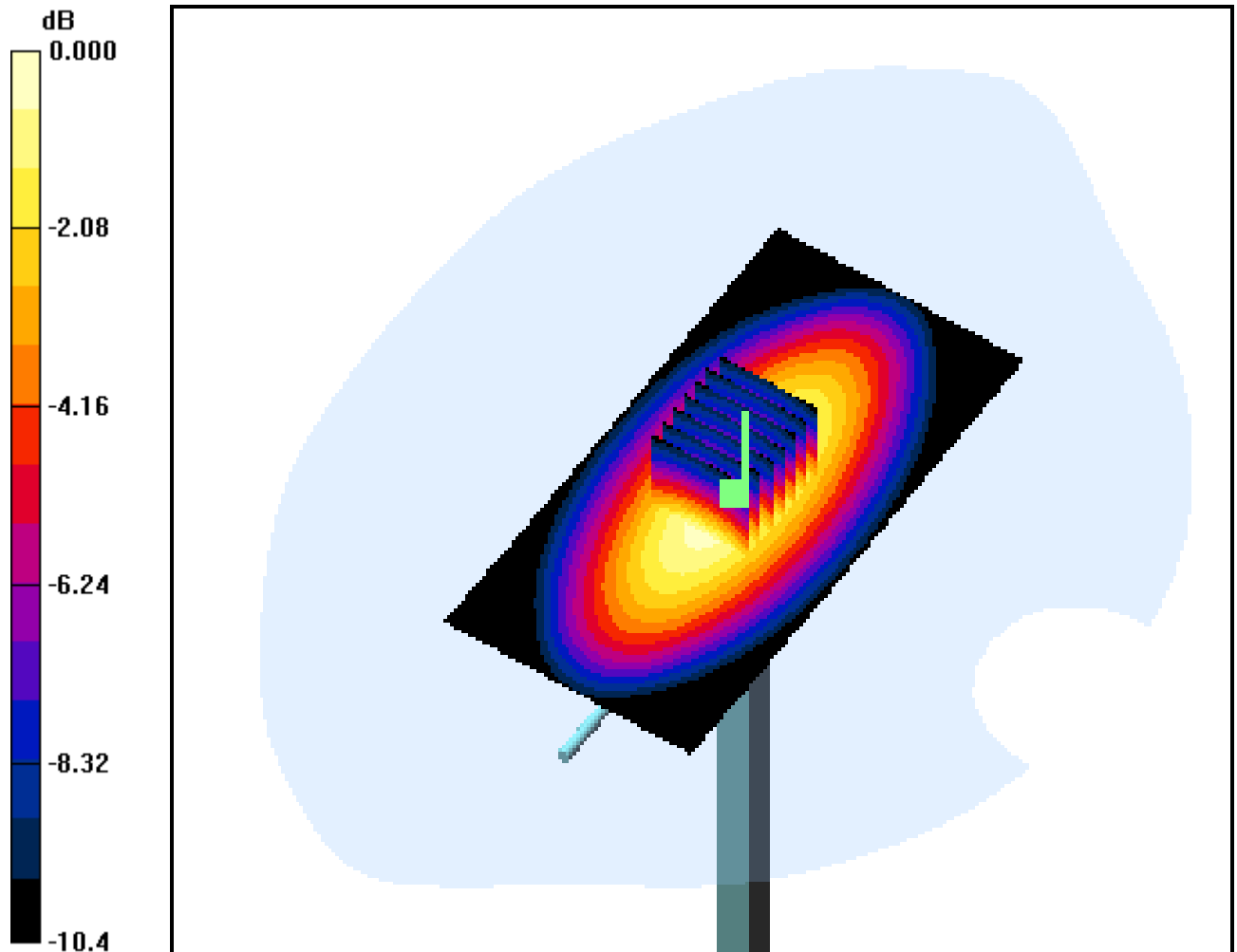
Area Scan (51x101x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

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

Power Drift = -0.095 dB

Peak SAR (extrapolated) = 3.58 W/kg

SAR(1 g) = 2.42 mW/g; SAR(10 g) = 1.58 mW/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: $f = 1900$ MHz; $\sigma = 1.45$ mho/m; $\epsilon_r = 41$; $\rho = 1000$ kg/m³
Phantom section: Flat Section

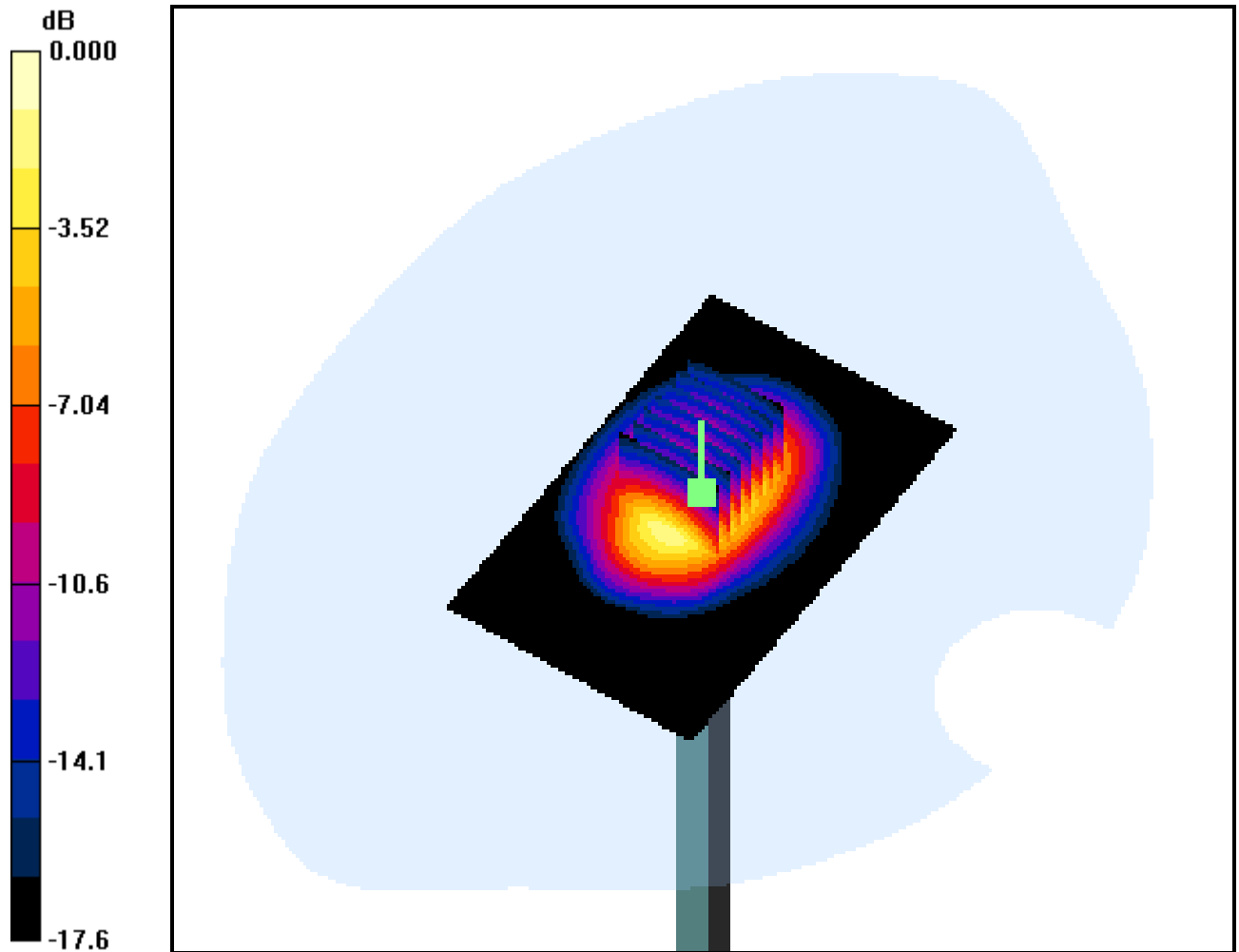
DASY4 Configuration:

Probe: ET3DV6 - SN1703; ConvF(5.19, 5.19, 5.19); Calibrated: 2008-01-29; Electronics: DAE3 Sn520
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: 2008-03-12; Ambient Temp: 21.5; Tissue Temp: 21.2

Dipole Validation

Area Scan (51x81x1): Measurement grid: dx=15mm, dy=15mm
Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Power Drift = 0.003 dB
Peak SAR (extrapolated) = 17.4 W/kg
SAR(1 g) = 10.2 mW/g; SAR(10 g) = 5.32 mW/g



0 dB = 11.6mW/g

DIGITAL EMC CO., LTD

DUT: PG130; Type: WLL

Communication System: GSM 850; Frequency: 824.2 MHz; Duty Cycle: 1:4.15
Medium parameters used: $f = 824.2$ MHz; $\sigma = 0.977$ mho/m; $\epsilon_r = 53.1$; $\rho = 1000$ kg/m³
Phantom section: Flat Section

DASY4 Configuration:

Probe: ET3DV6 - SN1703; ConvF(6.16, 6.16, 6.16); Calibrated: 2008-01-29; Electronics: DAE3 Sn520
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: 2008-03-11; Ambient Temp: 21.0; Tissue Temp: 20.8

2.5cm from Body, GPRS Ch.128, Ant Fixed, Charger Mode

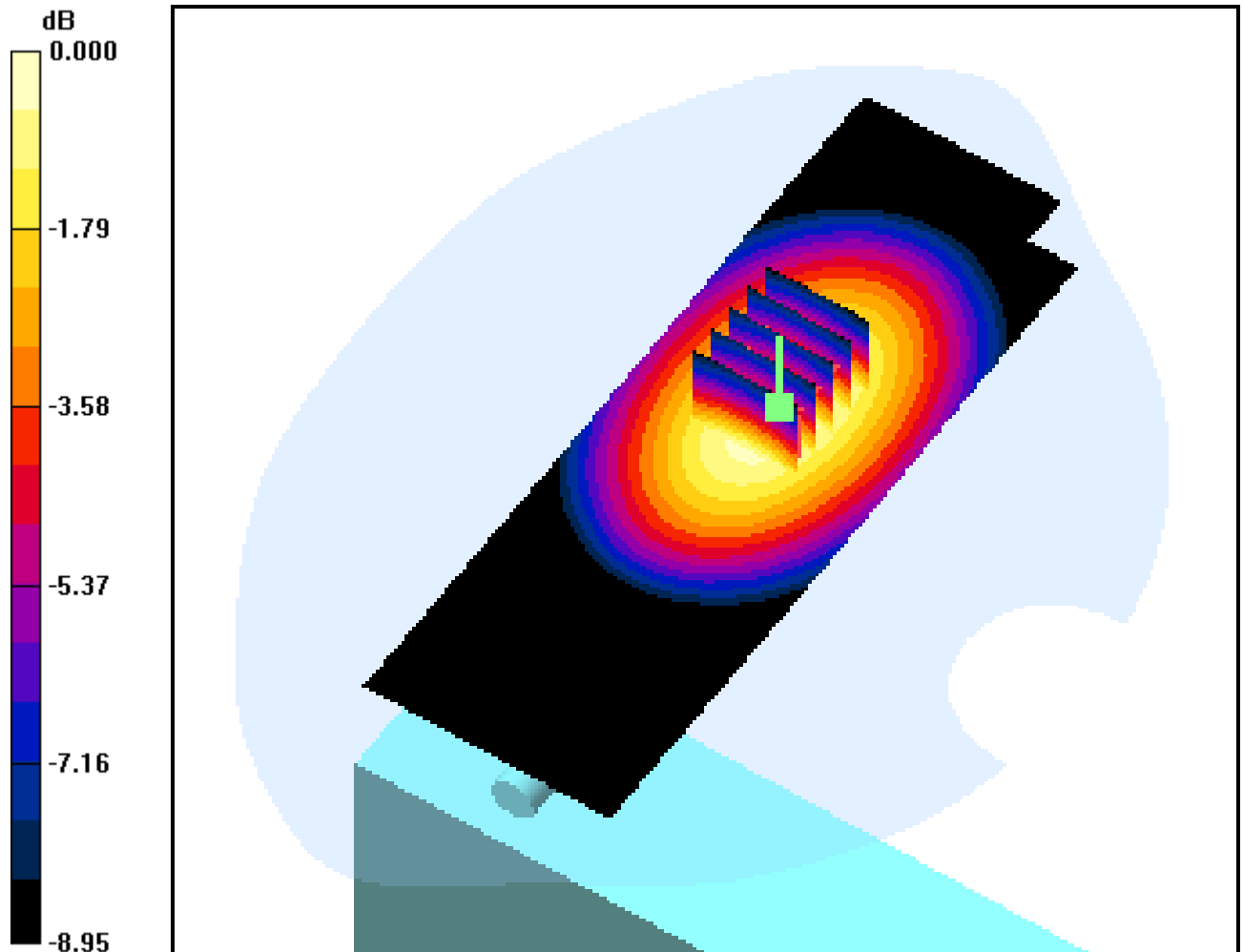
Area Scan (51x151x1): Measurement grid: dx=15mm, dy=15mm

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

Power Drift = -0.091 dB

Peak SAR (extrapolated) = 1.70 W/kg

SAR(1 g) = 1.29 mW/g; SAR(10 g) = 0.918 mW/g



0 dB = 1.37mW/g

DIGITAL EMC CO., LTD

DUT: PG130; Type: WLL

Communication System: GSM 850; Frequency: 836.6 MHz; Duty Cycle: 1:4.15
Medium parameters used: $f = 836.6$ MHz; $\sigma = 0.991$ mho/m; $\epsilon_r = 53.2$; $\rho = 1000$ kg/m³
Phantom section: Flat Section

DASY4 Configuration:

Probe: ET3DV6 - SN1703; ConvF(6.16, 6.16, 6.16); Calibrated: 2008-01-29; Electronics: DAE3 Sn520
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: 2008-03-11; Ambient Temp: 21.0; Tissue Temp: 20.8

2.5cm from Body, GPRS Ch.190, Ant Fixed, Charger Mode

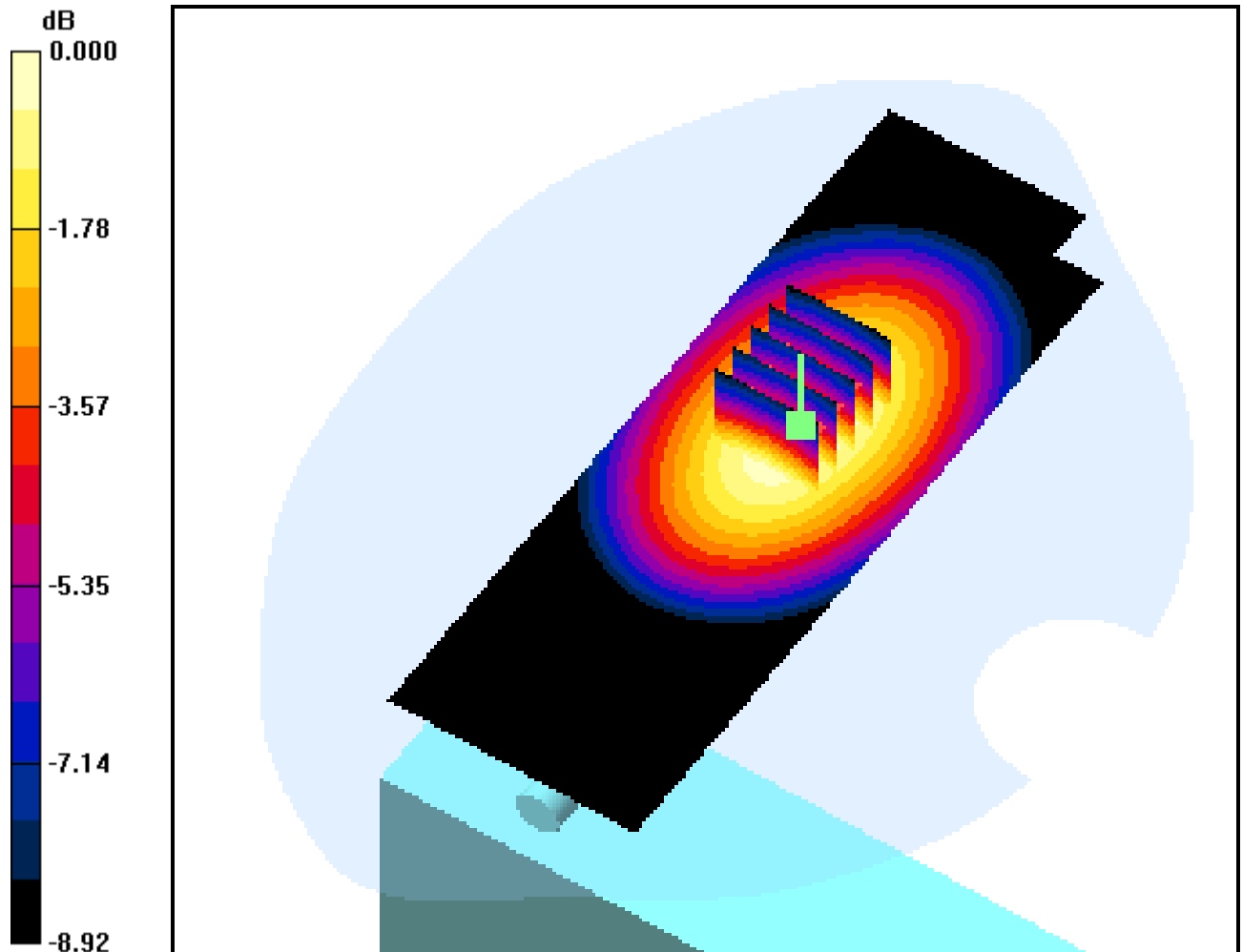
Area Scan (51x151x1): Measurement grid: dx=15mm, dy=15mm

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

Power Drift = -0.059 dB

Peak SAR (extrapolated) = 1.73 W/kg

SAR(1 g) = 1.34 mW/g; SAR(10 g) = 0.964 mW/g



0 dB = 1.43mW/g

DIGITAL EMC CO., LTD

DUT: PG130; Type: WLL

Communication System: GSM 850; Frequency: 848.8 MHz; Duty Cycle: 1:4.15
Medium parameters used: $f = 848.8 \text{ MHz}$; $\sigma = 1 \text{ mho/m}$; $\epsilon_r = 53.1$; $\rho = 1000 \text{ kg/m}^3$
Phantom section: Flat Section

DASY4 Configuration:

Probe: ET3DV6 - SN1703; ConvF(6.16, 6.16, 6.16); Calibrated: 2008-01-29; Electronics: DAE3 Sn520
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: 2008-03-11; Ambient Temp: 21.0; Tissue Temp: 20.8

2.5cm from Body, GPRS Ch.251, Ant Fixed, Charger Mode

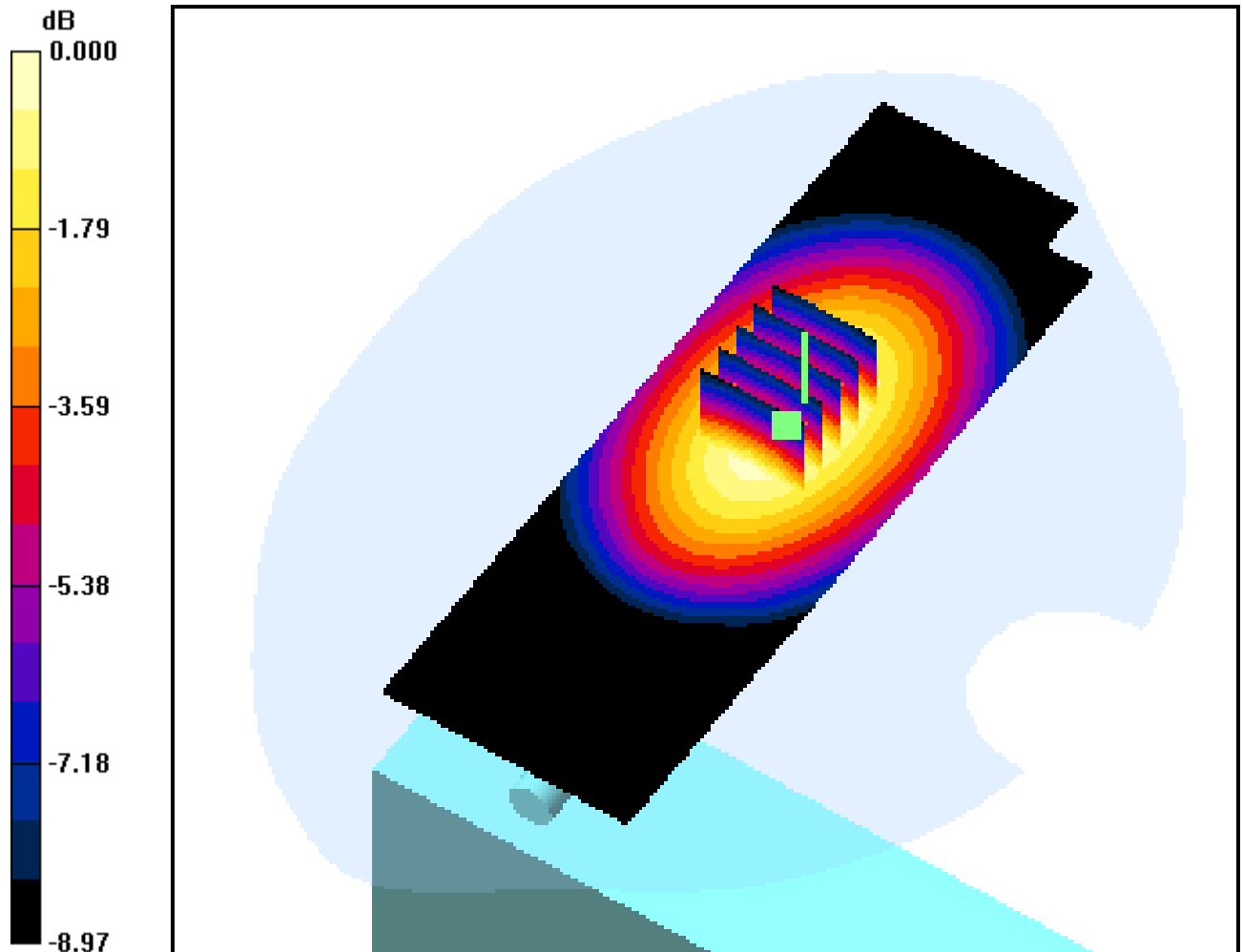
Area Scan (51x151x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

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) = 1.14 W/kg

SAR(1 g) = 0.881 mW/g; SAR(10 g) = 0.633 mW/g



0 dB = 0.935mW/g

DIGITAL EMC CO., LTD

DUT: PG130; Type: WLL

Communication System: GSM 850; Frequency: 836.6 MHz; Duty Cycle: 1:8.3
Medium parameters used: $f = 836.6$ MHz; $\sigma = 0.991$ mho/m; $\epsilon_r = 53.2$; $\rho = 1000$ kg/m³
Phantom section: Flat Section

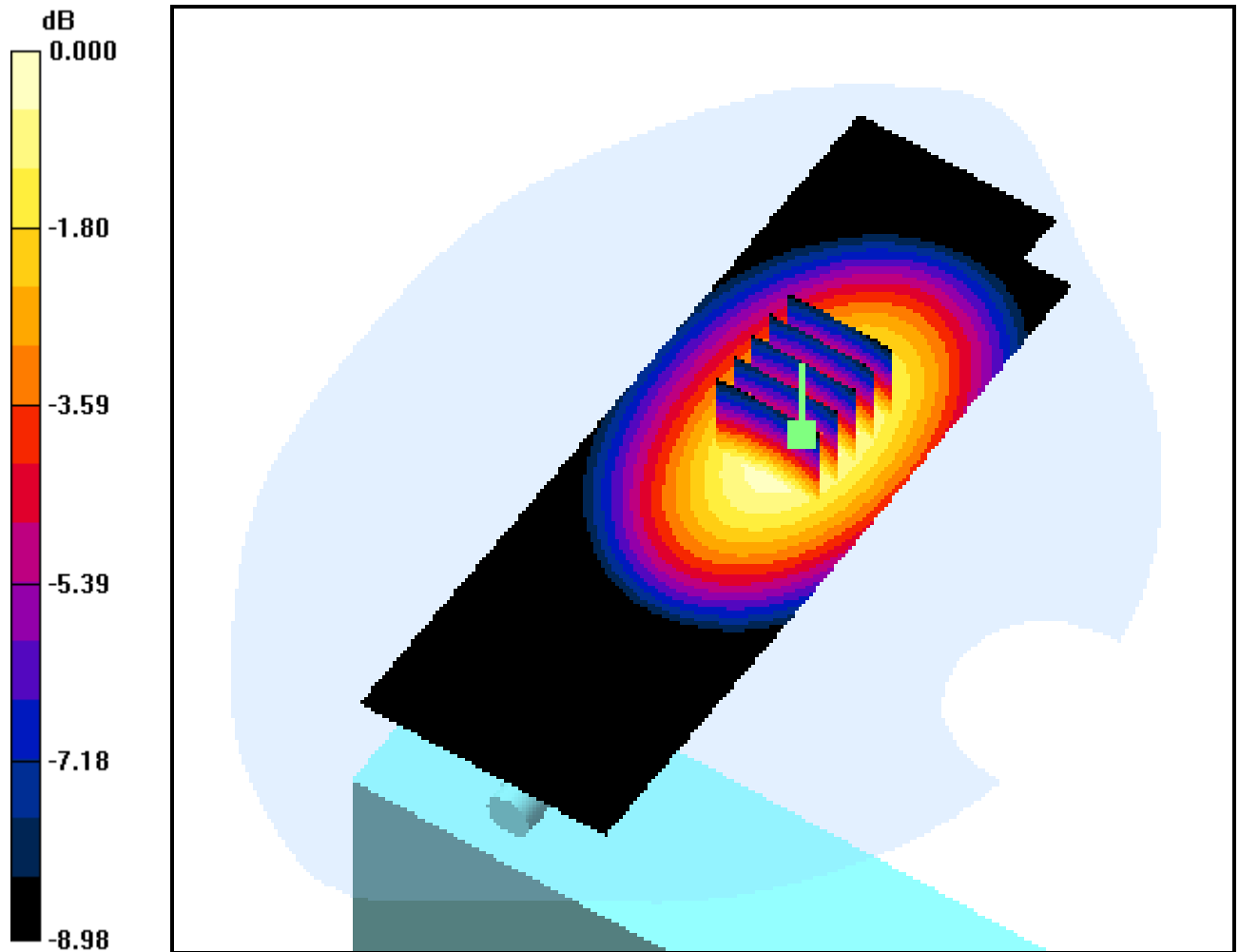
DASY4 Configuration:

Probe: ET3DV6 - SN1703; ConvF(6.16, 6.16, 6.16); Calibrated: 2008-01-29; Electronics: DAE3 Sn520
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: 2008-03-11; Ambient Temp: 21.0; Tissue Temp: 20.8

2.5cm from Body, GSM Ch.190, Ant Fixed, Charger Mode

Area Scan (51x151x1): Measurement grid: dx=15mm, dy=15mm
Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Power Drift = -0.120 dB
Peak SAR (extrapolated) = 0.960 W/kg
SAR(1 g) = 0.743 mW/g; SAR(10 g) = 0.532 mW/g



0 dB = 0.787mW/g

DIGITAL EMC CO., LTD

DUT: PG130; Type: WLL

Communication System: PCS1900; Frequency: 1850.2 MHz; Duty Cycle: 1:4.15
Medium parameters used: $f = 1850.2$ MHz; $\sigma = 1.46$ mho/m; $\epsilon_r = 51.8$; $\rho = 1000$ kg/m³
Phantom section: Flat Section

DASY4 Configuration:

Probe: ET3DV6 - SN1703; ConvF(4.86, 4.86, 4.86); Calibrated: 2008-01-29; Electronics: DAE3 Sn520
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: 2008-03-12; Ambient Temp: 21.5; Tissue Temp: 21.2

2.5cm from Body, GPRS Ch.512, Ant Fixed, Charger Mode

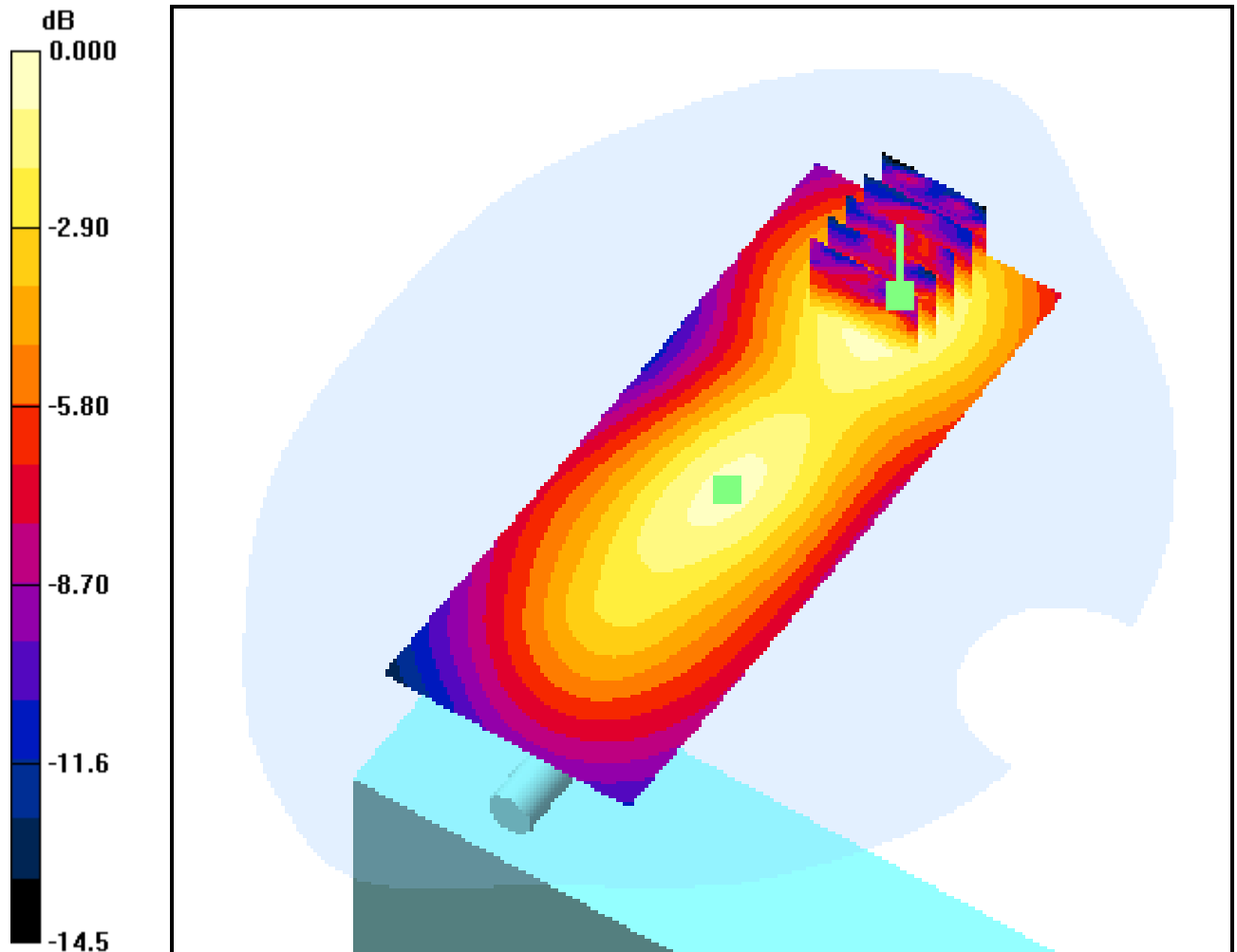
Area Scan (51x131x1): Measurement grid: dx=15mm, dy=15mm

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

Power Drift = 0.056 dB

Peak SAR (extrapolated) = 0.257 W/kg

SAR(1 g) = 0.162 mW/g; SAR(10 g) = 0.102 mW/g



0 dB = 0.171mW/g

DIGITAL EMC CO., LTD

DUT: PG130; Type: WLL

Communication System: PCS1900; Frequency: 1850.2 MHz; Duty Cycle: 1:4.15
Medium parameters used: $f = 1850.2$ MHz; $\sigma = 1.46$ mho/m; $\epsilon_r = 51.8$; $\rho = 1000$ kg/m³
Phantom section: Flat Section

DASY4 Configuration:

Probe: ET3DV6 - SN1703; ConvF(4.86, 4.86, 4.86); Calibrated: 2008-01-29; Electronics: DAE3 Sn520
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: 2008-03-12; Ambient Temp: 21.5; Tissue Temp: 21.2

2.5cm from Body, GPRS Ch.512, Ant Fixed, Charger Mode

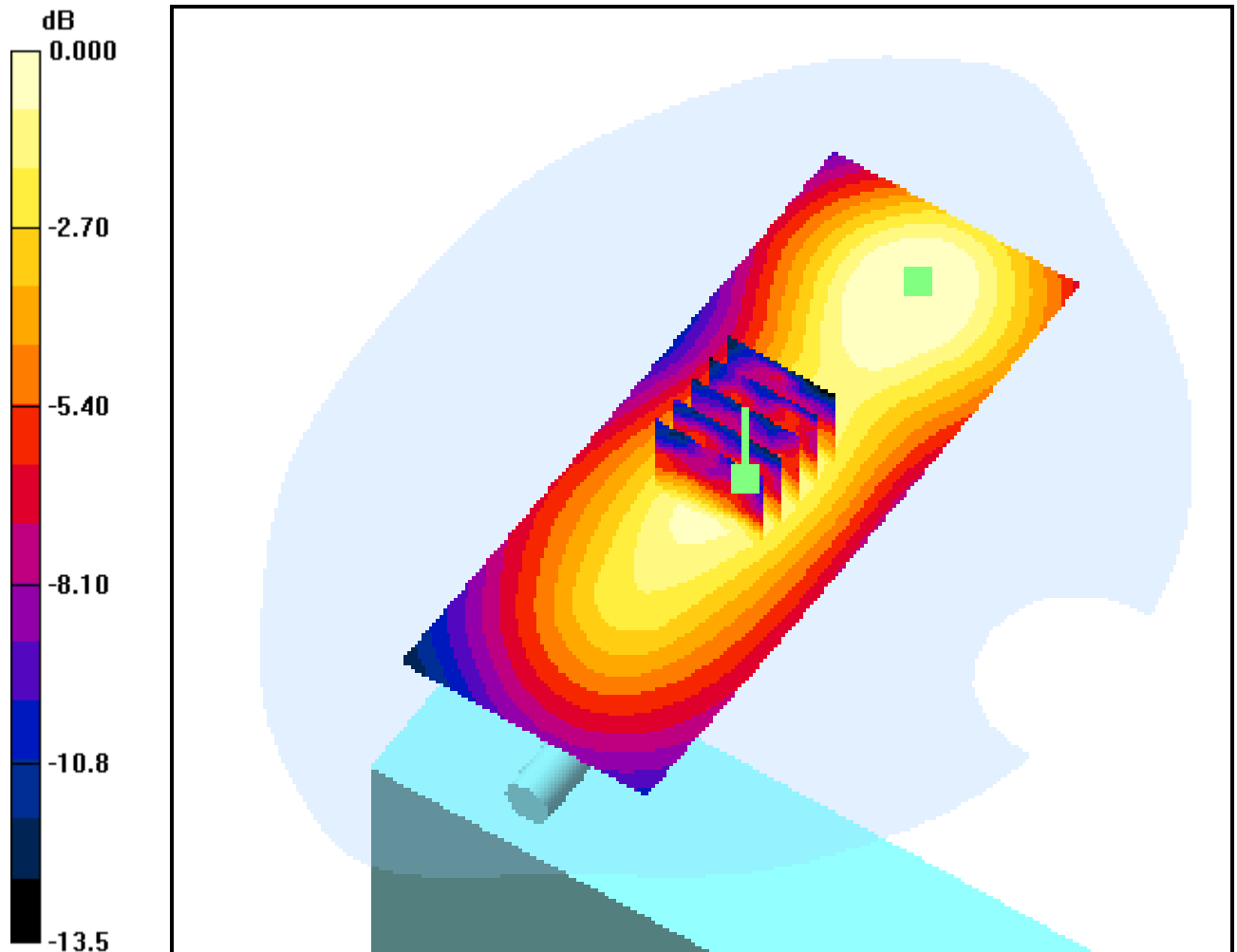
Area Scan (51x131x1): Measurement grid: dx=15mm, dy=15mm

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

Power Drift = 0.056 dB

Peak SAR (extrapolated) = 0.208 W/kg

SAR(1 g) = 0.135 mW/g; SAR(10 g) = 0.087 mW/g



0 dB = 0.146mW/g

DIGITAL EMC CO., LTD

DUT: PG130; Type: WLL

Communication System: PCS1900; Frequency: 1880 MHz; Duty Cycle: 1:4.15
Medium parameters used: $f = 1880$ MHz; $\sigma = 1.49$ mho/m; $\epsilon_r = 51.7$; $\rho = 1000$ kg/m³
Phantom section: Flat Section

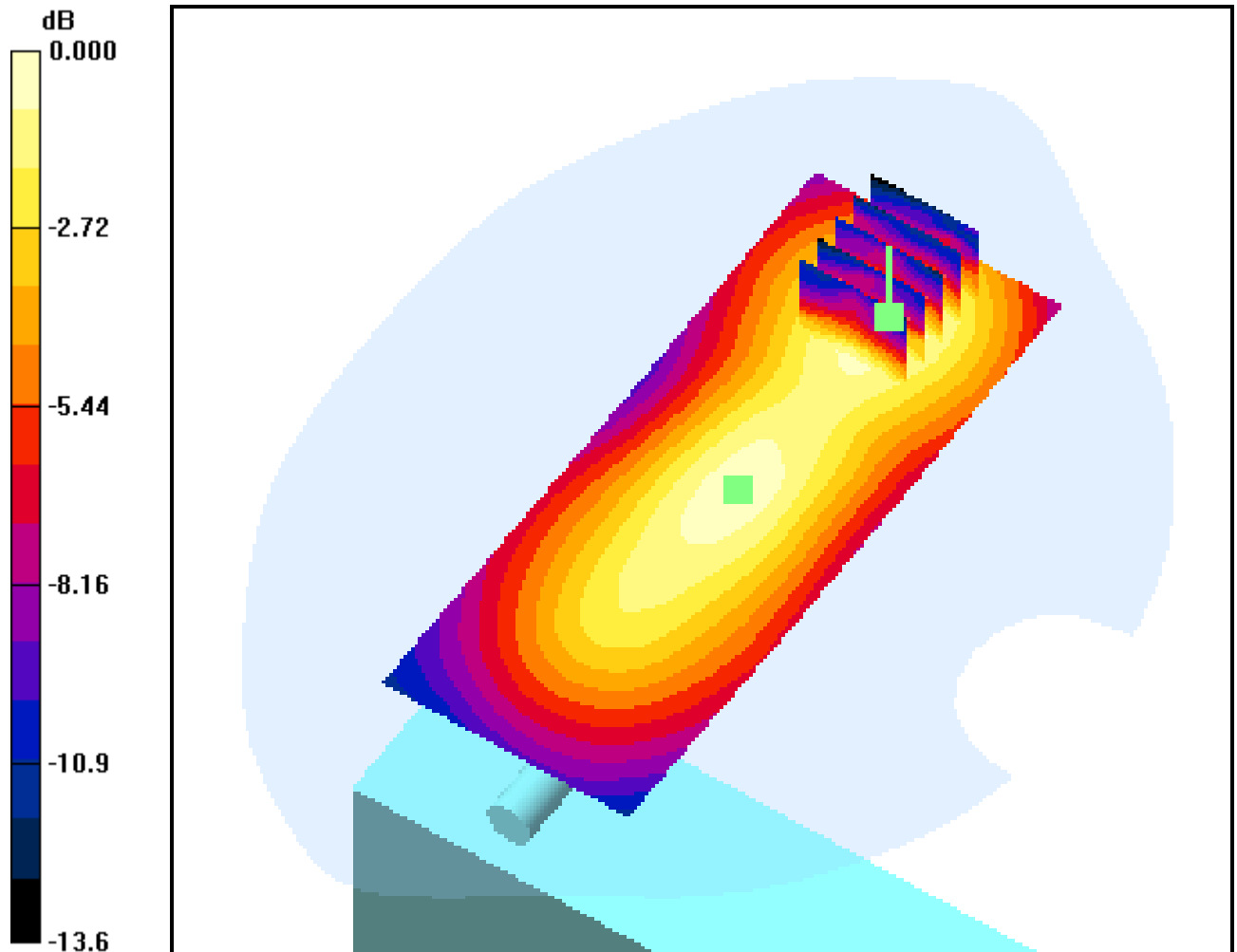
DASY4 Configuration:

Probe: ET3DV6 - SN1703; ConvF(4.86, 4.86, 4.86); Calibrated: 2008-01-29; Electronics: DAE3 Sn520
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: 2008-03-12; Ambient Temp: 21.5; Tissue Temp: 21.2

2.5cm from Body, GPRS Ch.661, Ant Fixed, Charger Mode

Area Scan (51x131x1): Measurement grid: dx=15mm, dy=15mm
Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Power Drift = -0.057 dB
Peak SAR (extrapolated) = 0.279 W/kg
SAR(1 g) = 0.175 mW/g; SAR(10 g) = 0.112 mW/g



0 dB = 0.189mW/g

DIGITAL EMC CO., LTD

DUT: PG130; Type: WLL

Communication System: PCS1900; Frequency: 1880 MHz; Duty Cycle: 1:4.15
Medium parameters used: $f = 1880$ MHz; $\sigma = 1.49$ mho/m; $\epsilon_r = 51.7$; $\rho = 1000$ kg/m³
Phantom section: Flat Section

DASY4 Configuration:

Probe: ET3DV6 - SN1703; ConvF(4.86, 4.86, 4.86); Calibrated: 2008-01-29; Electronics: DAE3 Sn520
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: 2008-03-12; Ambient Temp: 21.5; Tissue Temp: 21.2

2.5cm from Body, GPRS Ch.661, Ant Fixed, Charger Mode

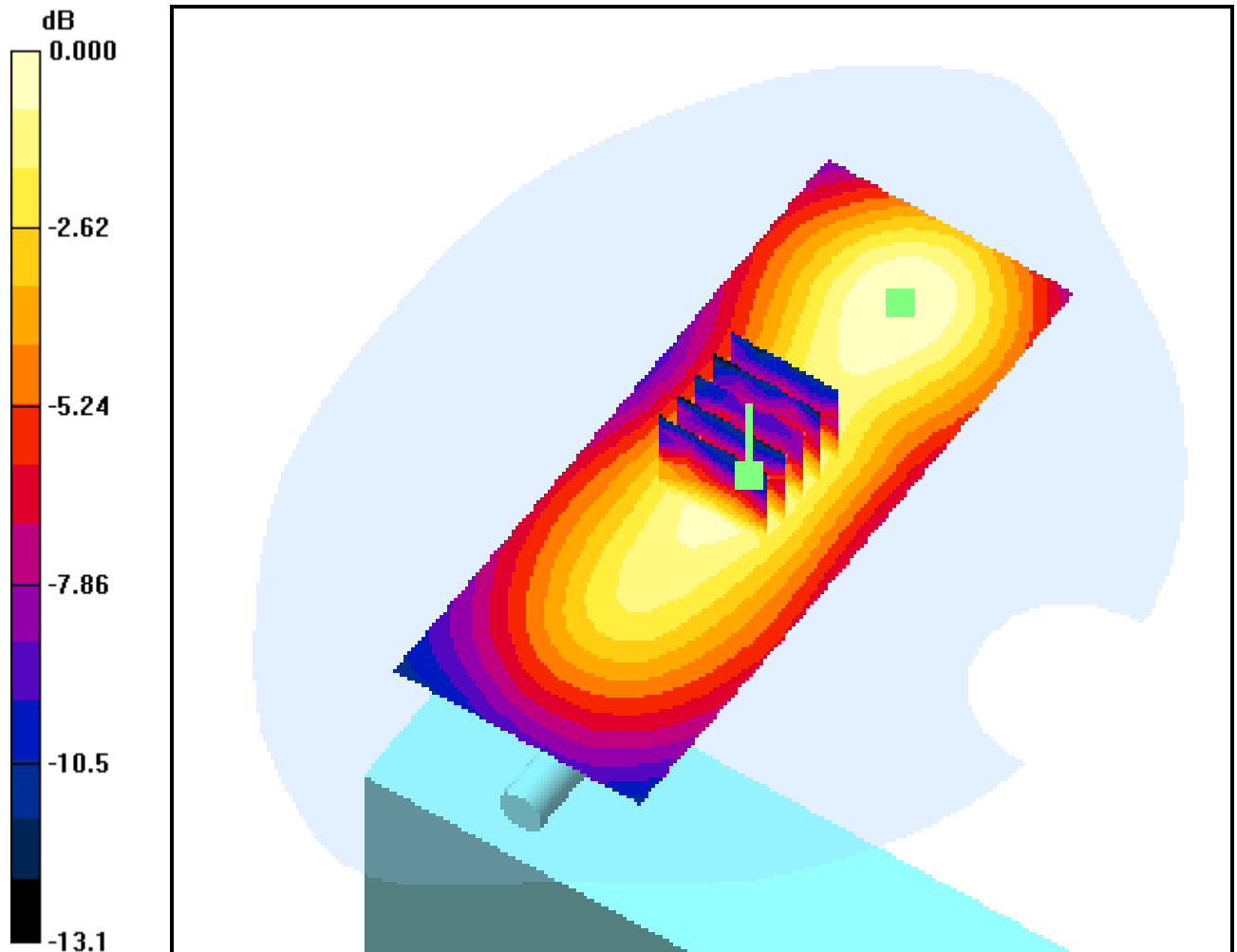
Area Scan (51x131x1): Measurement grid: dx=15mm, dy=15mm

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

Power Drift = -0.057 dB

Peak SAR (extrapolated) = 0.256 W/kg

SAR(1 g) = 0.164 mW/g; SAR(10 g) = 0.104 mW/g



0 dB = 0.177mW/g

DIGITAL EMC CO., LTD

DUT: PG130; Type: WLL

Communication System: PCS1900; Frequency: 1909.8 MHz; Duty Cycle: 1:4.15
Medium parameters used: $f = 1909.8$ MHz; $\sigma = 1.53$ mho/m; $\epsilon_r = 51.6$; $\rho = 1000$ kg/m³
Phantom section: Flat Section

DASY4 Configuration:

Probe: ET3DV6 - SN1703; ConvF(4.86, 4.86, 4.86); Calibrated: 2008-01-29; Electronics: DAE3 Sn520
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: 2008-03-12; Ambient Temp: 21.5; Tissue Temp: 21.2

2.5cm from Body, GPRS Ch.810, Ant Fixed, Charger Mode

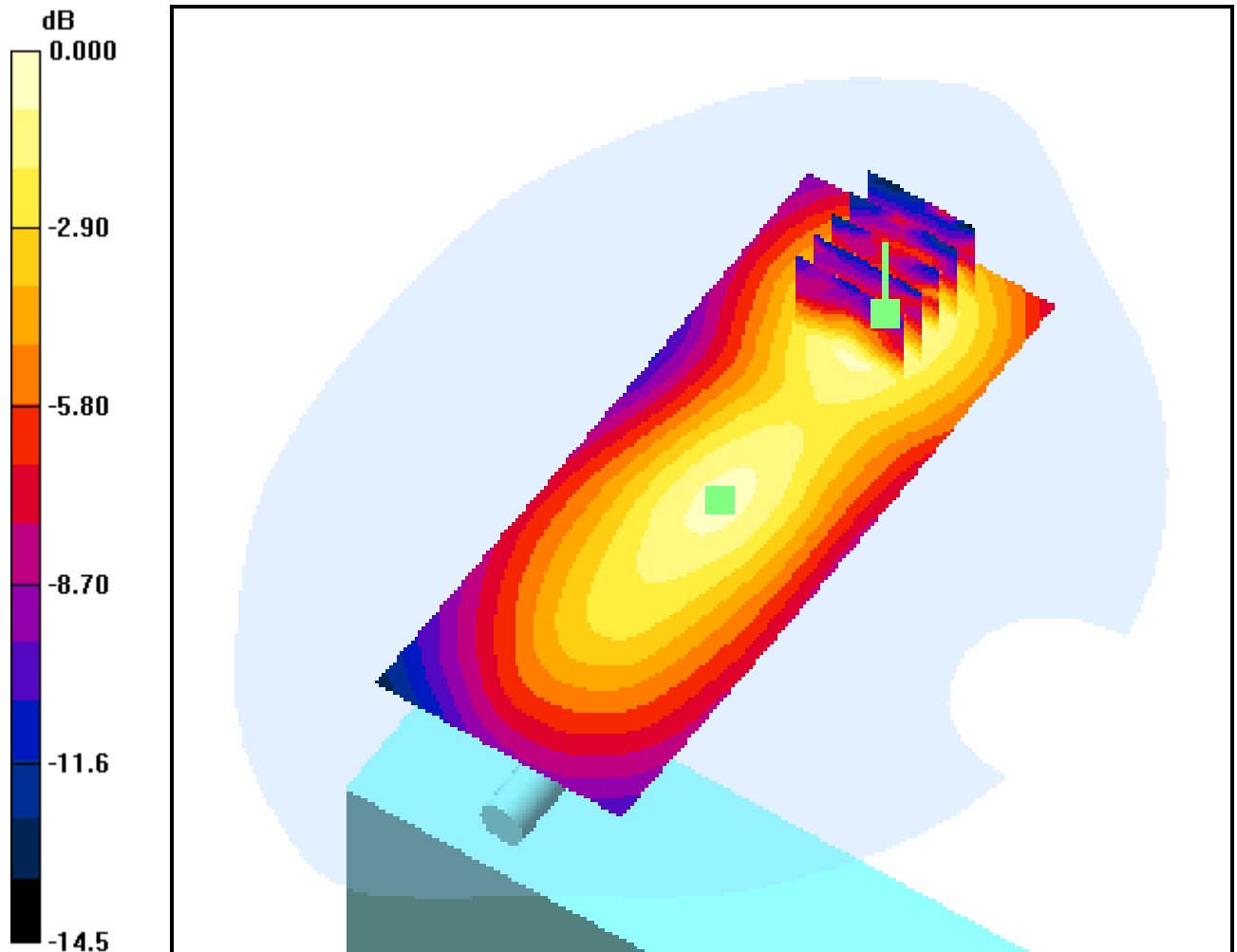
Area Scan (51x131x1): Measurement grid: dx=15mm, dy=15mm

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

Power Drift = 0.000 dB

Peak SAR (extrapolated) = 0.249 W/kg

SAR(1 g) = 0.164 mW/g; SAR(10 g) = 0.105 mW/g



0 dB = 0.179mW/g

DIGITAL EMC CO., LTD

DUT: PG130; Type: WLL

Communication System: PCS1900; Frequency: 1909.8 MHz; Duty Cycle: 1:4.15
Medium parameters used: $f = 1909.8$ MHz; $\sigma = 1.53$ mho/m; $\epsilon_r = 51.6$; $\rho = 1000$ kg/m³
Phantom section: Flat Section

DASY4 Configuration:

Probe: ET3DV6 - SN1703; ConvF(4.86, 4.86, 4.86); Calibrated: 2008-01-29; Electronics: DAE3 Sn520
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: 2008-03-12; Ambient Temp: 21.5; Tissue Temp: 21.2

2.5cm from Body, GPRS Ch.810, Ant Fixed, Charger Mode

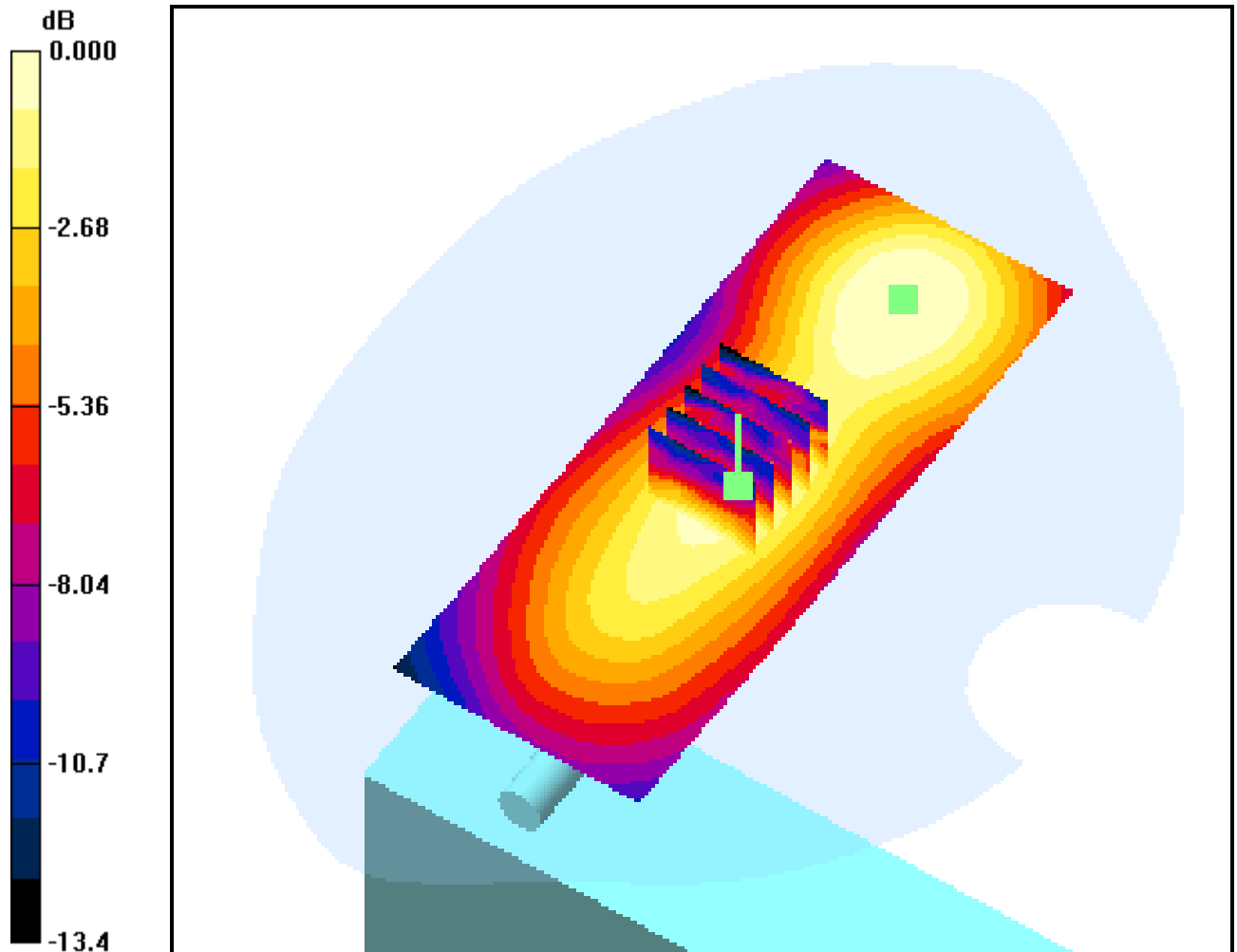
Area Scan (51x131x1): Measurement grid: dx=15mm, dy=15mm

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

Power Drift = 0.000 dB

Peak SAR (extrapolated) = 0.237 W/kg

SAR(1 g) = 0.144 mW/g; SAR(10 g) = 0.092 mW/g



0 dB = 0.154mW/g

DIGITAL EMC CO., LTD

DUT: PG130; Type: WLL

Communication System: PCS1900; Frequency: 1880 MHz; Duty Cycle: 1:8.3
Medium parameters used: $f = 1880$ MHz; $\sigma = 1.49$ mho/m; $\epsilon_r = 51.7$; $\rho = 1000$ kg/m³
Phantom section: Flat Section

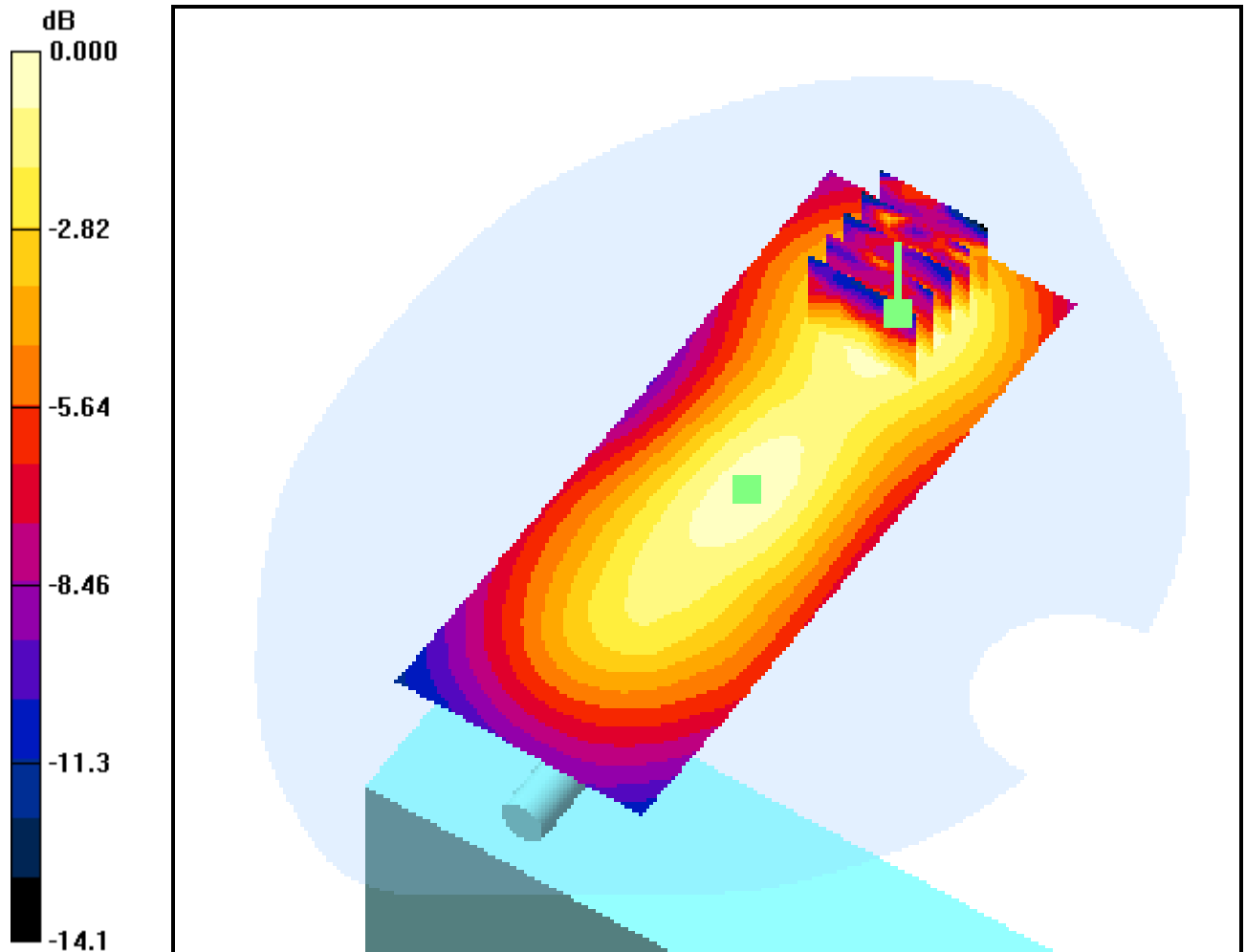
DASY4 Configuration:

Probe: ET3DV6 - SN1703; ConvF(4.86, 4.86, 4.86); Calibrated: 2008-01-29; Electronics: DAE3 Sn520
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: 2008-03-12; Ambient Temp: 21.5; Tissue Temp: 21.2

2.5cm from Body, PCS Ch.661, Ant Fixed, Charger Mode

Area Scan (51x131x1): Measurement grid: dx=15mm, dy=15mm
Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Power Drift = -0.048 dB
Peak SAR (extrapolated) = 0.146 W/kg
SAR(1 g) = 0.091 mW/g; SAR(10 g) = 0.060 mW/g



0 dB = 0.097mW/g

DIGITAL EMC CO., LTD

DUT: PG130; Type: WLL

Communication System: PCS1900; Frequency: 1880 MHz; Duty Cycle: 1:8.3
Medium parameters used: $f = 1880$ MHz; $\sigma = 1.49$ mho/m; $\epsilon_r = 51.7$; $\rho = 1000$ kg/m³
Phantom section: Flat Section

DASY4 Configuration:

Probe: ET3DV6 - SN1703; ConvF(4.86, 4.86, 4.86); Calibrated: 2008-01-29; Electronics: DAE3 Sn520
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: 2008-03-12; Ambient Temp: 21.5; Tissue Temp: 21.2

2.5cm from Body, PCS Ch.661, Ant Fixed, Charger Mode

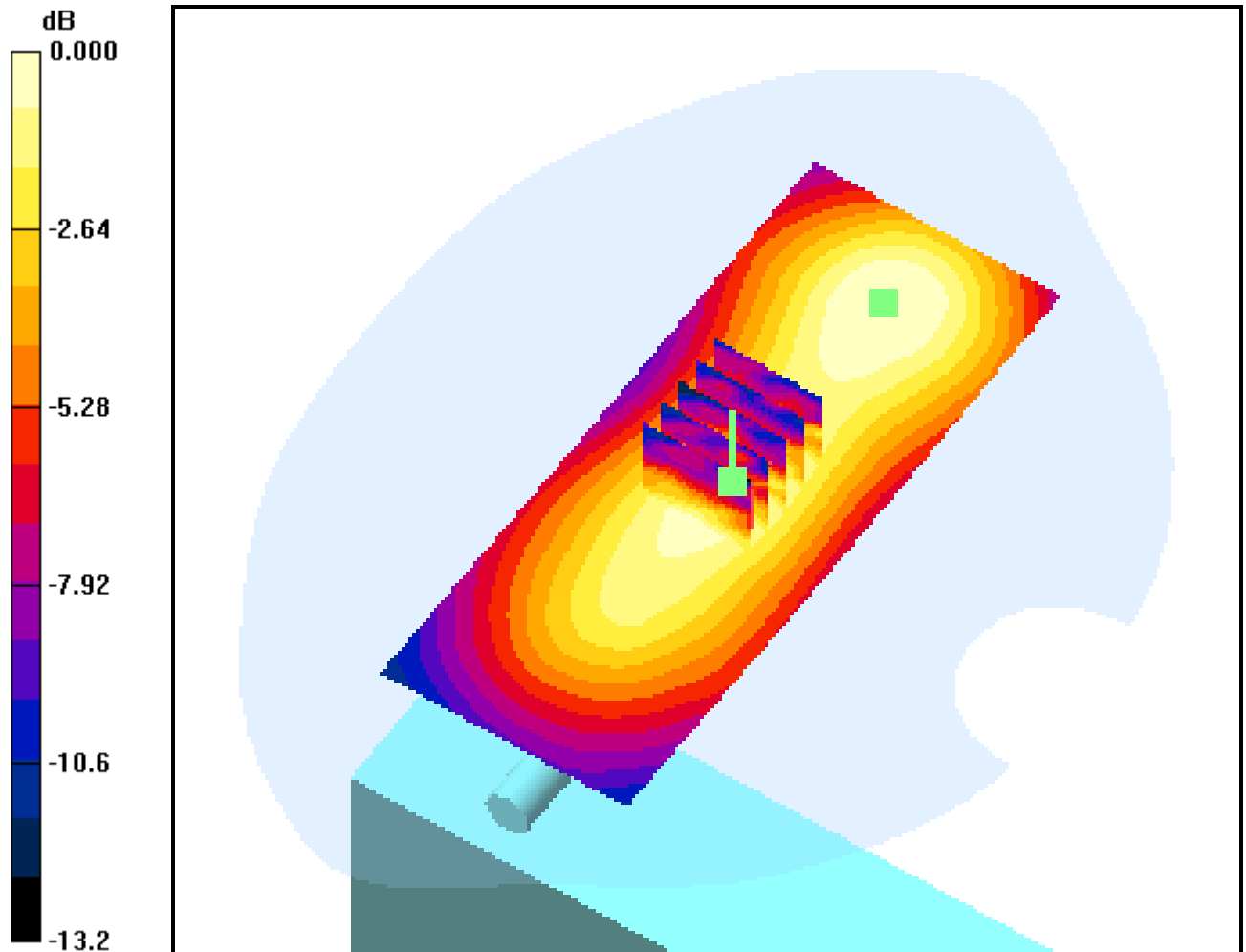
Area Scan (51x131x1): Measurement grid: dx=15mm, dy=15mm

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

Power Drift = -0.048 dB

Peak SAR (extrapolated) = 0.120 W/kg

SAR(1 g) = 0.083 mW/g; SAR(10 g) = 0.055 mW/g



0 dB = 0.090mW/g

DIGITAL EMC CO., LTD

DUT: PG130; Type: WLL

Communication System: GSM 850; Frequency: 836.6 MHz; Duty Cycle: 1:4.15
Medium parameters used: $f = 836.6$ MHz; $\sigma = 0.991$ mho/m; $\epsilon_r = 53.2$; $\rho = 1000$ kg/m³
Phantom section: Flat Section

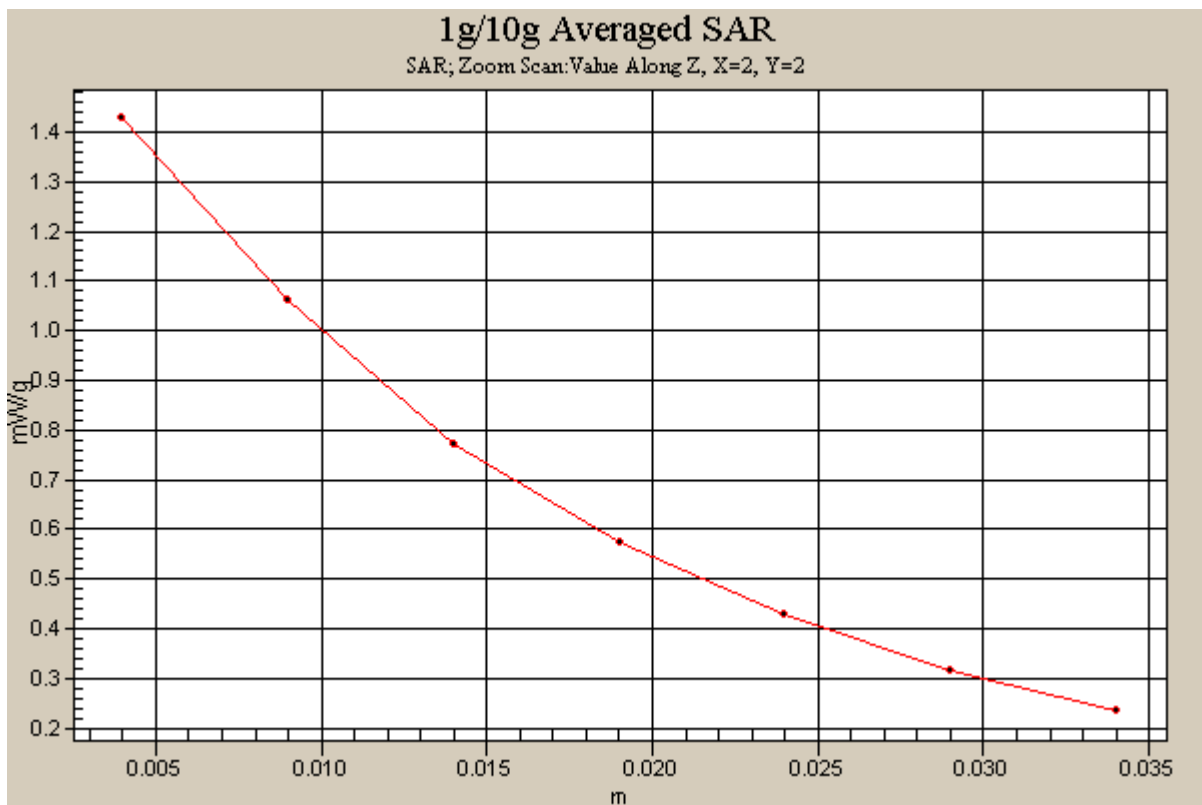
DASY4 Configuration:

Probe: ET3DV6 - SN1703; ConvF(6.16, 6.16, 6.16); Calibrated: 2008-01-29; Electronics: DAE3 Sn520
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: 2008-03-11; Ambient Temp: 21.0; Tissue Temp: 20.8

2.5cm from Body, GPRS Ch.190, Ant Fixed, Charger Mode

Area Scan (51x151x1): Measurement grid: dx=15mm, dy=15mm
Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Power Drift = -0.059 dB
Peak SAR (extrapolated) = 1.73 W/kg
SAR(1 g) = 1.34 mW/g; SAR(10 g) = 0.964 mW/g



DIGITAL EMC CO., LTD

DUT: PG130; Type: WLL

Communication System: PCS1900; Frequency: 1880 MHz; Duty Cycle: 1:4.15
Medium parameters used: $f = 1880$ MHz; $\sigma = 1.49$ mho/m; $\epsilon_r = 51.7$; $\rho = 1000$ kg/m³
Phantom section: Flat Section

DASY4 Configuration:

Probe: ET3DV6 - SN1703; ConvF(4.86, 4.86, 4.86); Calibrated: 2008-01-29; Electronics: DAE3 Sn520
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: 2008-03-12; Ambient Temp: 21.5; Tissue Temp: 21.2

2.5cm from Body, GPRS Ch.661, Ant Fixed, Charger Mode

Area Scan (51x131x1): Measurement grid: dx=15mm, dy=15mm
Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Power Drift = -0.057 dB
Peak SAR (extrapolated) = 0.279 W/kg
SAR(1 g) = 0.175 mW/g; SAR(10 g) = 0.112 mW/g

