
SAR TEST PLOTS

DIGITAL EMC CO., LTD

DUT: FGD-6280; Type: WLL; TA Model No:3A-061WP05

Communication System: GSM 850; Frequency: 824.2 MHz; Duty Cycle: 1:8.3

Medium parameters used: $f = 824.2 \text{ MHz}$; $\sigma = 0.971 \text{ mho/m}$; $\epsilon_r = 53.7$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

DASY4 Configuration:

Probe: ET3DV6 - SN1702; ConvF(6.21, 6.21, 6.21); Calibrated: 2006-03-23; Electronics: DAE3 Sn519

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

Measurement SW: DASY4, V4.6 Build 23; Postprocessing SW: SEMCAD, V1.8 Build 161

Test Date: 2006-08-30; Ambient Temp: 22.0; Tissue Temp: 22.5

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

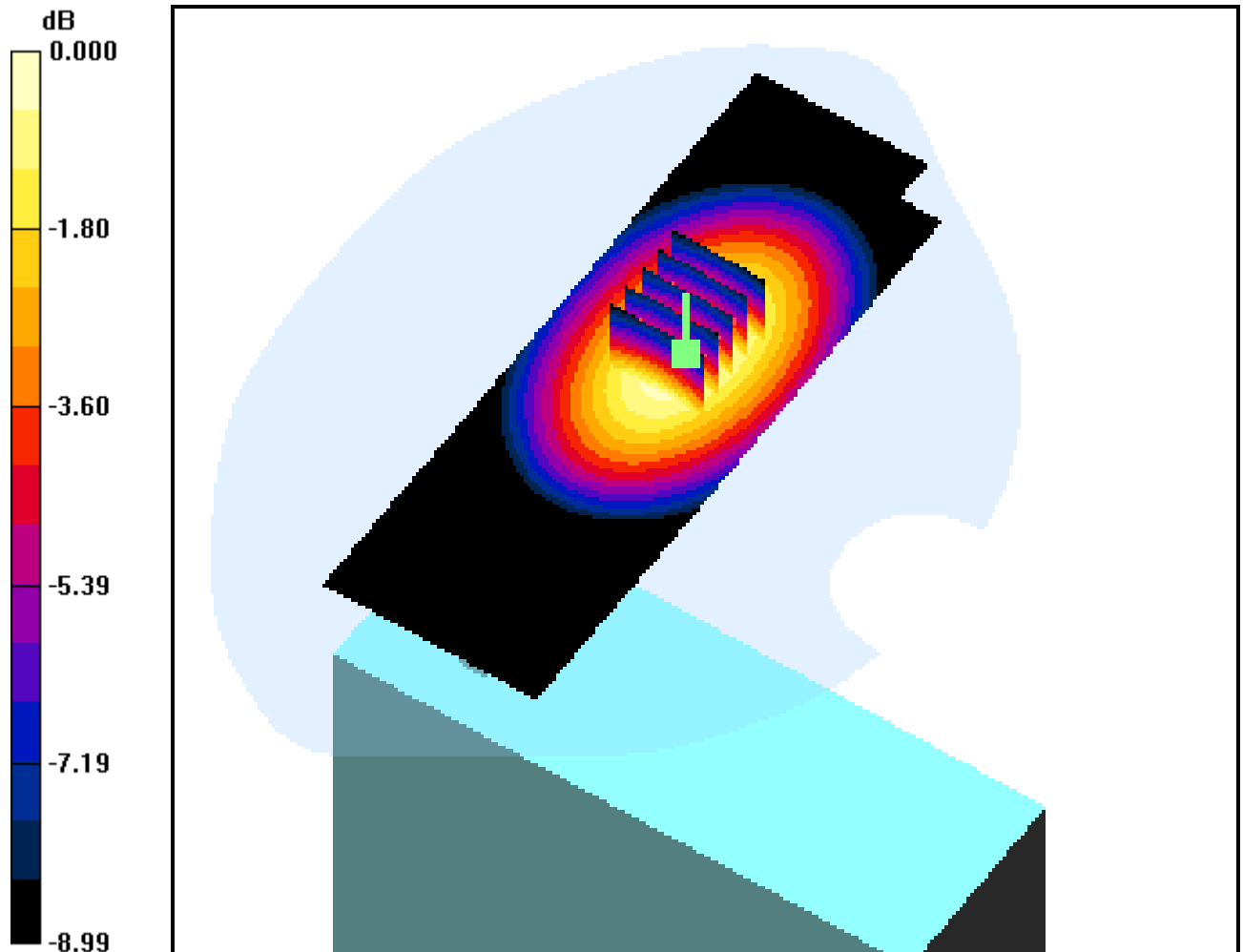
Area Scan (51x151x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

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

Power Drift = -0.021 dB

Peak SAR (extrapolated) = 0.764 W/kg

SAR(1 g) = 0.571 mW/g; SAR(10 g) = 0.404 mW/g



0 dB = 0.602mW/g

DIGITAL EMC CO., LTD

DUT: FGD-6280; Type: WLL;TA Model No:3A-061WP05

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

Medium parameters used: $f = 836.6 \text{ MHz}$; $\sigma = 0.983 \text{ mho/m}$; $\epsilon_r = 53.5$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

DASY4 Configuration:

Probe: ET3DV6 - SN1702; ConvF(6.21, 6.21, 6.21); Calibrated: 2006-03-23; Electronics: DAE3 Sn519

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

Measurement SW: DASY4, V4.6 Build 23; Postprocessing SW: SEMCAD, V1.8 Build 161

Test Date: 2006-08-30; Ambient Temp: 22.0; Tissue Temp: 22.5

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

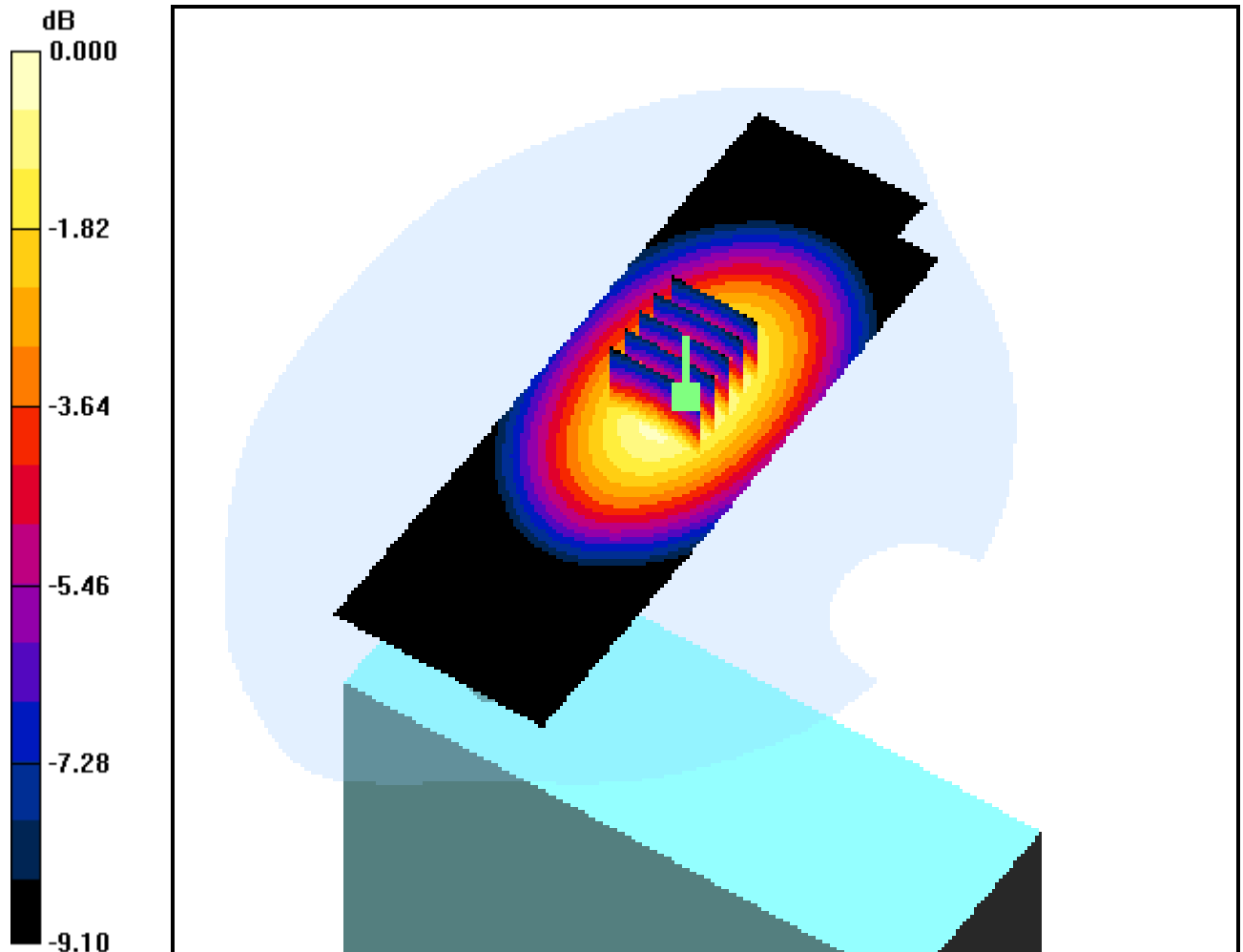
Area Scan (51x151x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

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

Power Drift = -0.059 dB

Peak SAR (extrapolated) = 0.735 W/kg

SAR(1 g) = 0.555 mW/g; SAR(10 g) = 0.393 mW/g



0 dB = 0.594mW/g

DIGITAL EMC CO., LTD

DUT: FGD-6280; Type: WLL;TA Model No:3A-061WP05

Communication System: GSM 850; Frequency: 848.8 MHz;Duty Cycle: 1:8.3

Medium parameters used: $f = 848.8 \text{ MHz}$; $\sigma = 0.996 \text{ mho/m}$; $\epsilon_r = 53.4$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

DASY4 Configuration:

Probe: ET3DV6 - SN1702; ConvF(6.21, 6.21, 6.21); Calibrated: 2006-03-23; Electronics: DAE3 Sn519

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

Measurement SW: DASY4, V4.6 Build 23; Postprocessing SW: SEMCAD, V1.8 Build 161

Test Date: 2006-08-30; Ambient Temp: 22.0; Tissue Temp: 22.5

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

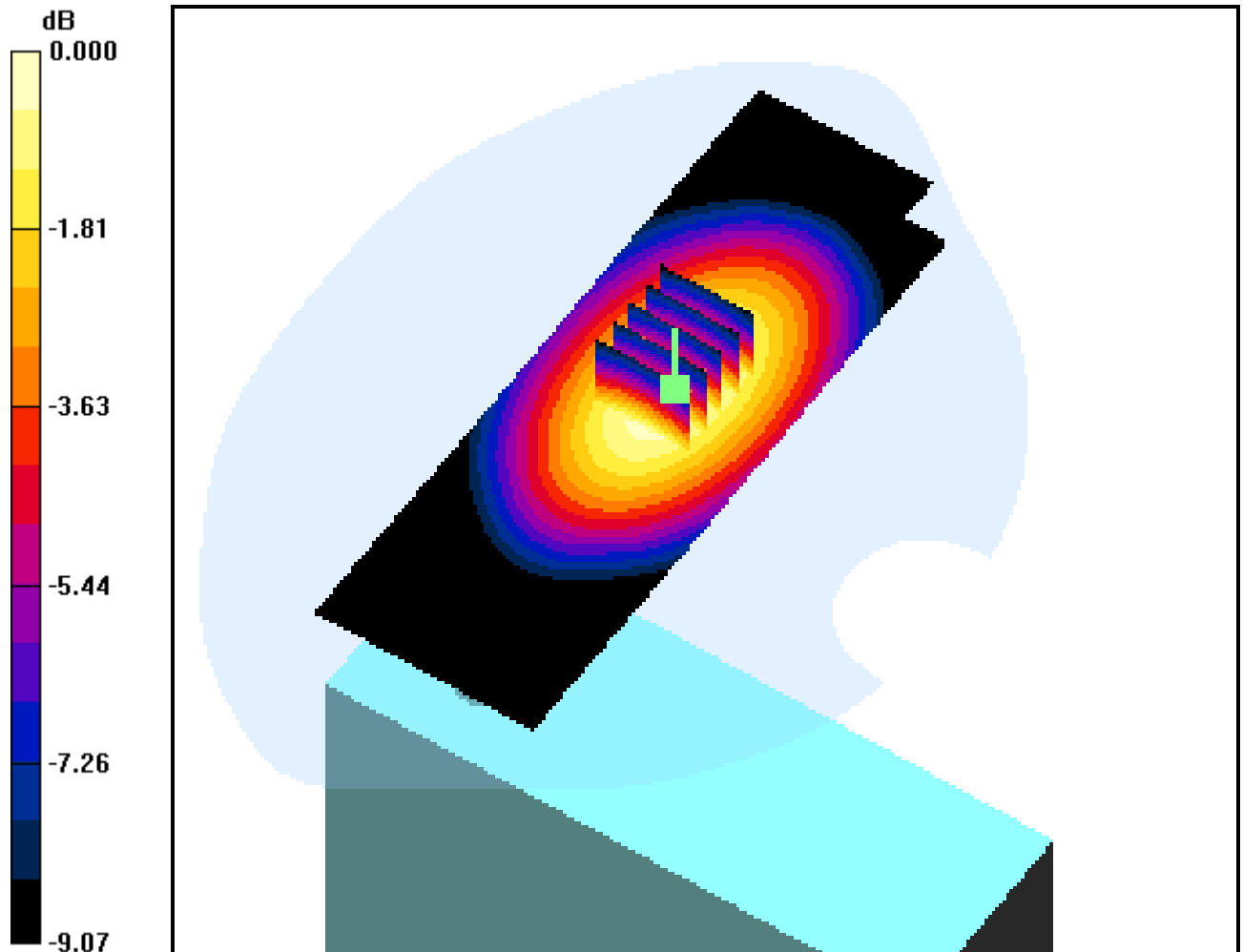
Area Scan (51x151x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

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

Power Drift = 0.005 dB

Peak SAR (extrapolated) = 0.581 W/kg

SAR(1 g) = 0.443 mW/g; SAR(10 g) = 0.315 mW/g



0 dB = 0.473mW/g

DIGITAL EMC CO., LTD

DUT: FGD-6280; Type: WLL; TA Model No:SYS1298-1506-W2

Communication System: GSM 850; Frequency: 824.2 MHz; Duty Cycle: 1:8.3

Medium parameters used: $f = 824.2 \text{ MHz}$; $\sigma = 0.971 \text{ mho/m}$; $\epsilon_r = 53.7$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

DASY4 Configuration:

Probe: ET3DV6 - SN1702; ConvF(6.21, 6.21, 6.21); Calibrated: 2006-03-23; Electronics: DAE3 Sn519

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

Measurement SW: DASY4, V4.6 Build 23; Postprocessing SW: SEMCAD, V1.8 Build 161

Test Date: 2006-08-30; Ambient Temp: 22.0; Tissue Temp: 22.5

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

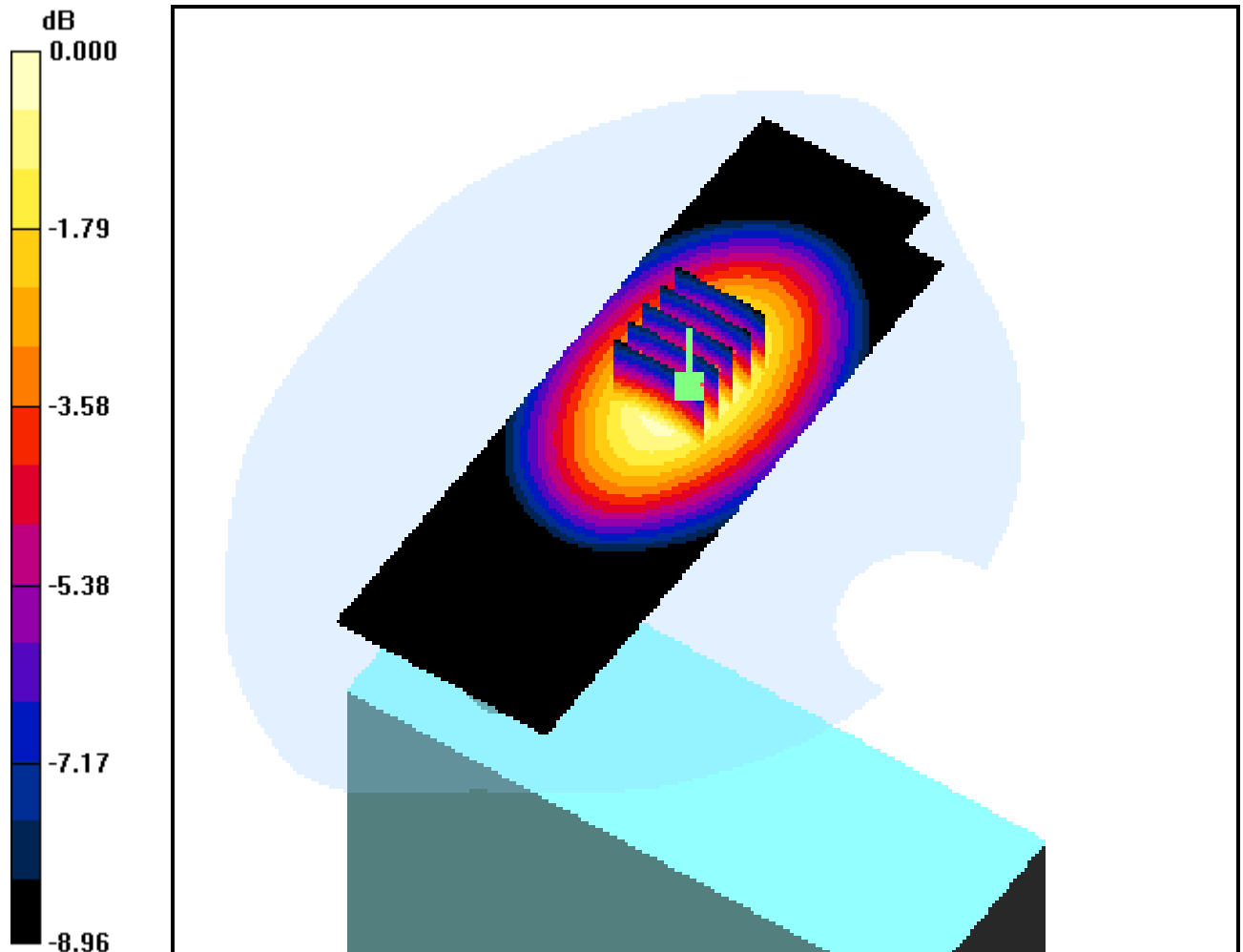
Area Scan (51x151x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

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

Power Drift = 0.101 dB

Peak SAR (extrapolated) = 0.766 W/kg

SAR(1 g) = 0.582 mW/g; SAR(10 g) = 0.413 mW/g



0 dB = 0.620mW/g

DIGITAL EMC CO., LTD

DUT: FGD-6280; Type: WLL;TA Model No:SYS1298-1506-W2

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

Medium parameters used: $f = 836.6 \text{ MHz}$; $\sigma = 0.983 \text{ mho/m}$; $\epsilon_r = 53.5$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

DASY4 Configuration:

Probe: ET3DV6 - SN1702; ConvF(6.21, 6.21, 6.21); Calibrated: 2006-03-23; Electronics: DAE3 Sn519

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

Measurement SW: DASY4, V4.6 Build 23; Postprocessing SW: SEMCAD, V1.8 Build 161

Test Date: 2006-08-30; Ambient Temp: 22.0; Tissue Temp: 22.5

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

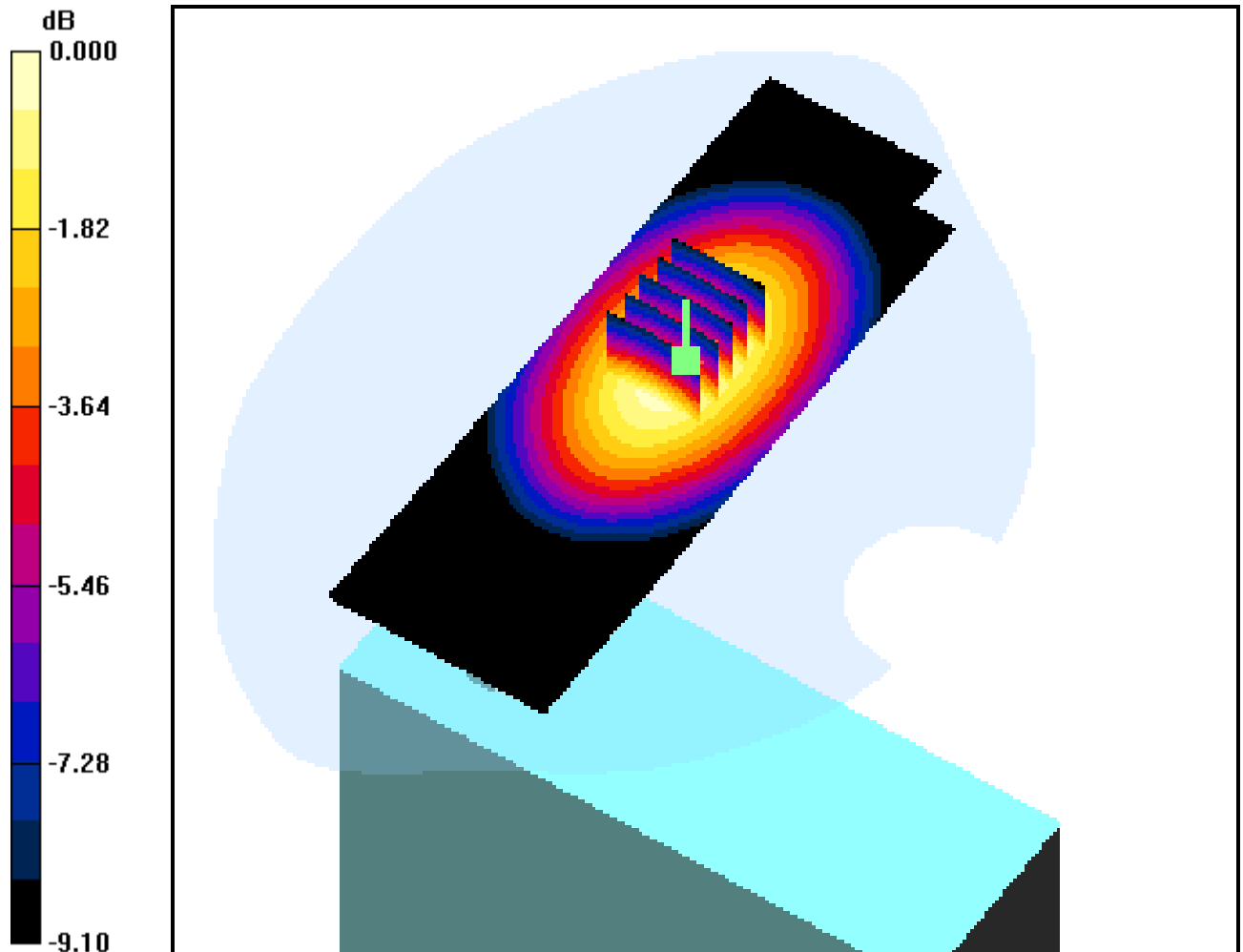
Area Scan (51x151x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

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

Power Drift = -0.038 dB

Peak SAR (extrapolated) = 0.726 W/kg

SAR(1 g) = 0.547 mW/g; SAR(10 g) = 0.387 mW/g



0 dB = 0.587mW/g

DIGITAL EMC CO., LTD

DUT: FGD-6280; Type: WLL;TA Model No:SYS1298-1506-W2

Communication System: GSM 850; Frequency: 848.8 MHz;Duty Cycle: 1:8.3

Medium parameters used: $f = 848.8 \text{ MHz}$; $\sigma = 0.996 \text{ mho/m}$; $\epsilon_r = 53.4$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

DASY4 Configuration:

Probe: ET3DV6 - SN1702; ConvF(6.21, 6.21, 6.21); Calibrated: 2006-03-23; Electronics: DAE3 Sn519

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

Measurement SW: DASY4, V4.6 Build 23; Postprocessing SW: SEMCAD, V1.8 Build 161

Test Date: 2006-08-30; Ambient Temp: 22.0; Tissue Temp: 22.5

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

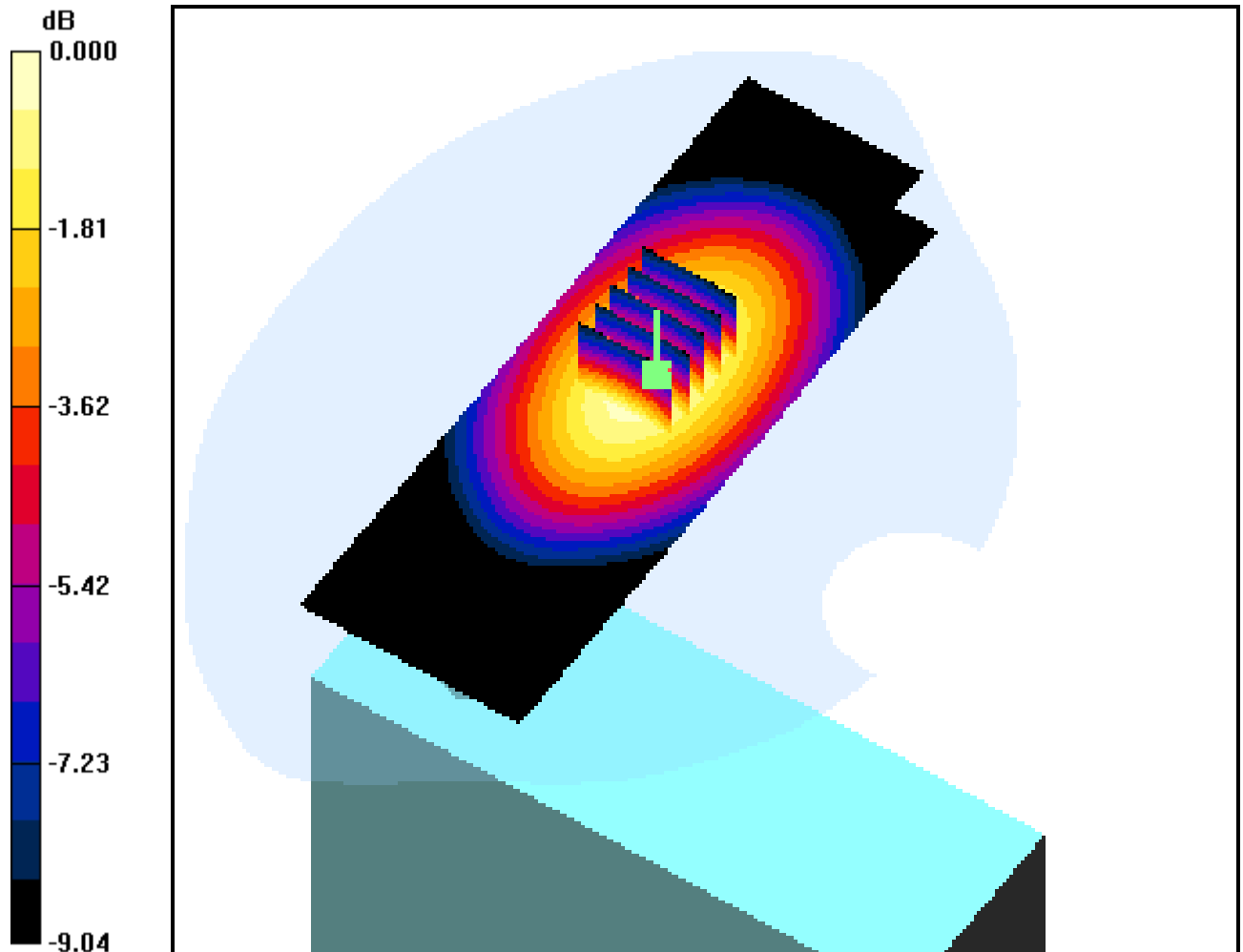
Area Scan (51x151x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

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

Power Drift = -0.055 dB

Peak SAR (extrapolated) = 0.574 W/kg

SAR(1 g) = 0.434 mW/g; SAR(10 g) = 0.308 mW/g



0 dB = 0.464mW/g

DIGITAL EMC CO., LTD

DUT: FGD-6280; Type: WLL; TA Model No:SYS1298-1506-W2

Communication System: GSM 850; Frequency: 824.2 MHz; Duty Cycle: 1:4.15
Medium parameters used: $f = 824.2 \text{ MHz}$; $\sigma = 0.971 \text{ mho/m}$; $\epsilon_r = 53.7$; $\rho = 1000 \text{ kg/m}^3$
Phantom section: Flat Section

DASY4 Configuration:

Probe: ET3DV6 - SN1702; ConvF(6.21, 6.21, 6.21); Calibrated: 2006-03-23; Electronics: DAE3 Sn519
Phantom: SAM with 835MHz; Type: SAM; Serial: TP-1223
Measurement SW: DASY4, V4.6 Build 23; Postprocessing SW: SEMCAD, V1.8 Build 161

Test Date: 2006-08-30; Ambient Temp: 22.0; Tissue Temp: 22.5

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

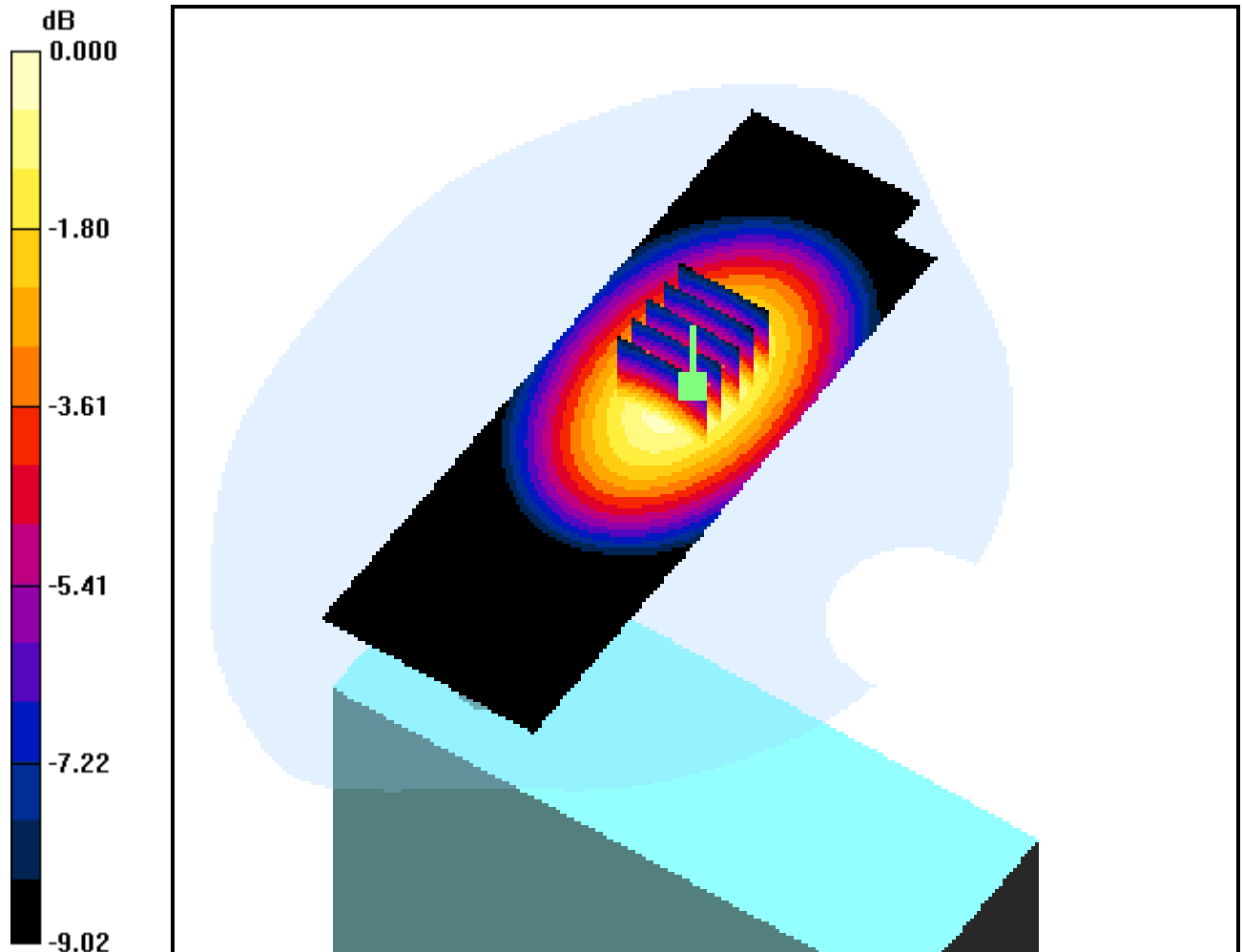
Area Scan (51x151x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

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

Power Drift = -0.032 dB

Peak SAR (extrapolated) = 1.41 W/kg

SAR(1 g) = 1.06 mW/g; SAR(10 g) = 0.757 mW/g



DIGITAL EMC CO., LTD

DUT: FGD-6280; Type: WLL;TA Model No:3A-061WP05

Communication System: PCS1900; Frequency: 1850.2 MHz;Duty Cycle: 1:8.3
Medium parameters used: $f = 1850.2 \text{ MHz}$; $\sigma = 1.46 \text{ mho/m}$; $\epsilon_r = 51.5$; $\rho = 1000 \text{ kg/m}^3$
Phantom section: Flat Section

DASY4 Configuration:

Probe: ET3DV6 - SN1702; ConvF(4.76, 4.76, 4.76); Calibrated: 2006-03-23; Electronics: DAE3 Sn519
Phantom: SAM 1800/1900 MHz; Type: SAM; Serial: TP-1224
Measurement SW: DASY4, V4.6 Build 23; Postprocessing SW: SEMCAD, V1.8 Build 161

Test Date: 2006-09-04; Ambient Temp: 22.0; Tissue Temp: 23.0

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

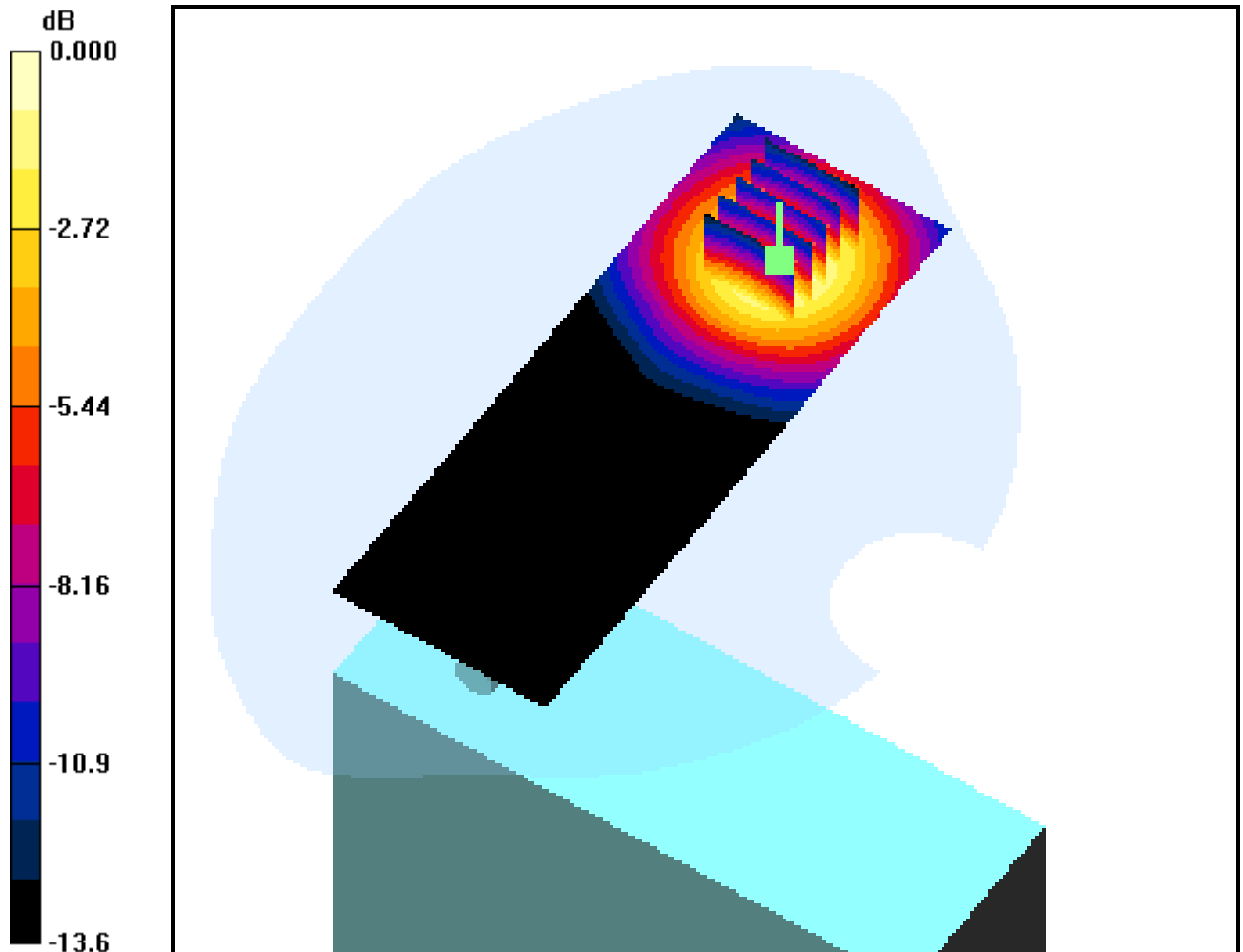
Area Scan (51x141x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

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

Power Drift = 0.079 dB

Peak SAR (extrapolated) = 0.301 W/kg

SAR(1 g) = 0.193 mW/g; SAR(10 g) = 0.122 mW/g



0 dB = 0.207mW/g

DIGITAL EMC CO., LTD

DUT: FGD-6280; Type: WLL; TA Model No:3A-061WP05

Communication System: PCS1900; Frequency: 1880 MHz; Duty Cycle: 1:8.3

Medium parameters used: $f = 1880 \text{ MHz}$; $\sigma = 1.5 \text{ mho/m}$; $\epsilon_r = 51.3$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

DASY4 Configuration:

Probe: ET3DV6 - SN1702; ConvF(4.76, 4.76, 4.76); Calibrated: 2006-03-23; Electronics: DAE3 Sn519

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

Measurement SW: DASY4, V4.6 Build 23; Postprocessing SW: SEMCAD, V1.8 Build 161

Test Date: 2006-09-04; Ambient Temp: 22.0; Tissue Temp: 23.0

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

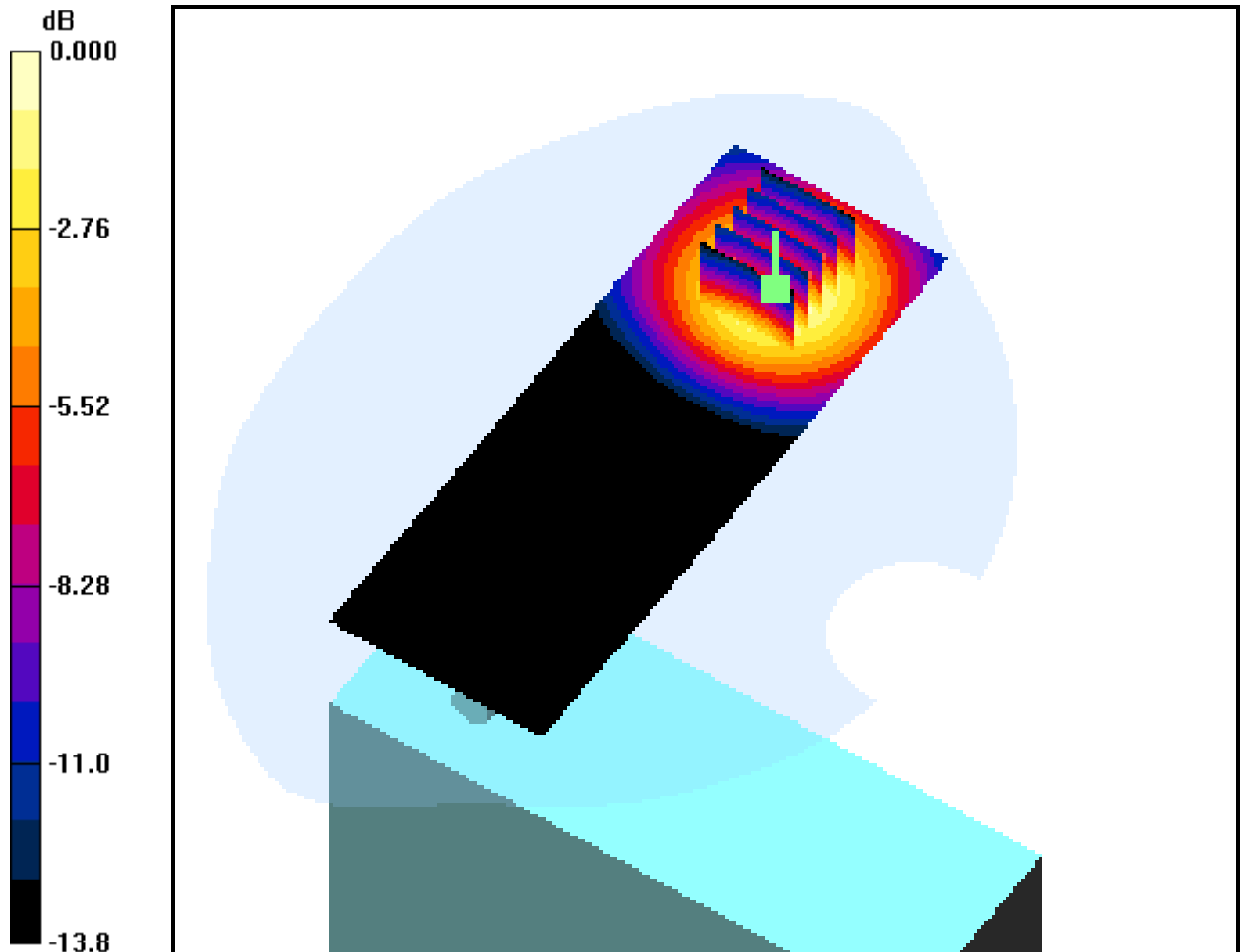
Area Scan (51x141x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

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

Power Drift = -0.192 dB

Peak SAR (extrapolated) = 0.363 W/kg

SAR(1 g) = 0.227 mW/g; SAR(10 g) = 0.142 mW/g



0 dB = 0.243mW/g

DIGITAL EMC CO., LTD

DUT: FGD-6280; Type: WLL;TA Model No:3A-061WP05

Communication System: PCS1900; Frequency: 1909.8 MHz;Duty Cycle: 1:8.3
Medium parameters used: $f = 1909.8 \text{ MHz}$; $\sigma = 1.53 \text{ mho/m}$; $\epsilon_r = 51.2$; $\rho = 1000 \text{ kg/m}^3$
Phantom section: Flat Section

DASY4 Configuration:

Probe: ET3DV6 - SN1702; ConvF(4.76, 4.76, 4.76); Calibrated: 2006-03-23; Electronics: DAE3 Sn519
Phantom: SAM 1800/1900 MHz; Type: SAM; Serial: TP-1224
Measurement SW: DASY4, V4.6 Build 23; Postprocessing SW: SEMCAD, V1.8 Build 161

Test Date: 2006-09-04; Ambient Temp: 22.0; Tissue Temp: 23.0

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

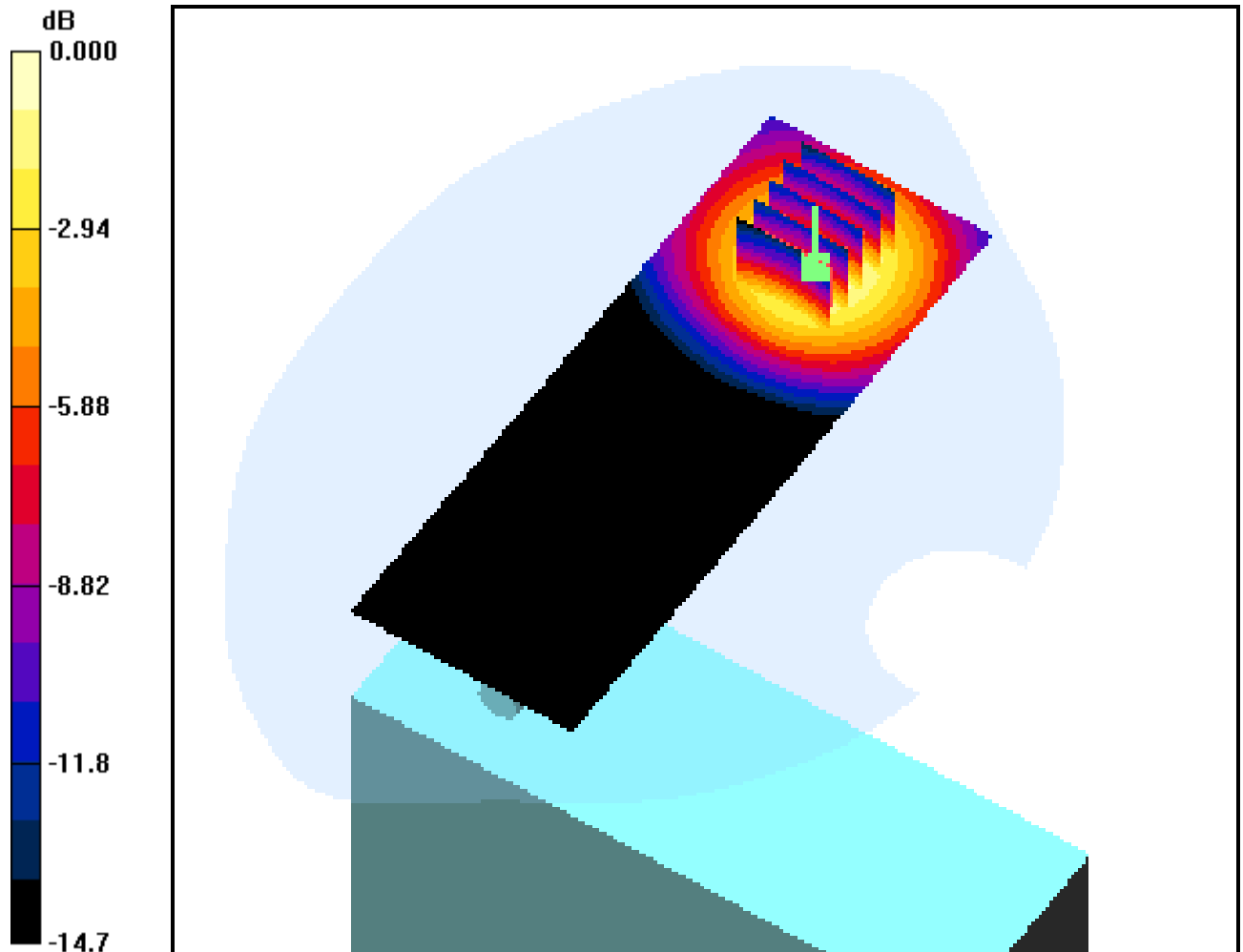
Area Scan (51x141x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

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

Power Drift = -0.225 dB

Peak SAR (extrapolated) = 0.321 W/kg

SAR(1 g) = 0.202 mW/g; SAR(10 g) = 0.125 mW/g



0 dB = 0.218mW/g

DIGITAL EMC CO., LTD

DUT: FGD-6280; Type: WLL; TA Model No:SYS1298-1506-W2

Communication System: PCS1900; Frequency: 1850.2 MHz; Duty Cycle: 1:8.3
Medium parameters used: $f = 1850.2 \text{ MHz}$; $\sigma = 1.46 \text{ mho/m}$; $\epsilon_r = 51.5$; $\rho = 1000 \text{ kg/m}^3$
Phantom section: Flat Section

DASY4 Configuration:

Probe: ET3DV6 - SN1702; ConvF(4.76, 4.76, 4.76); Calibrated: 2006-03-23; Electronics: DAE3 Sn519
Phantom: SAM 1800/1900 MHz; Type: SAM; Serial: TP-1224
Measurement SW: DASY4, V4.6 Build 23; Postprocessing SW: SEMCAD, V1.8 Build 161

Test Date: 2006-09-04; Ambient Temp: 22.0; Tissue Temp: 23.0

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

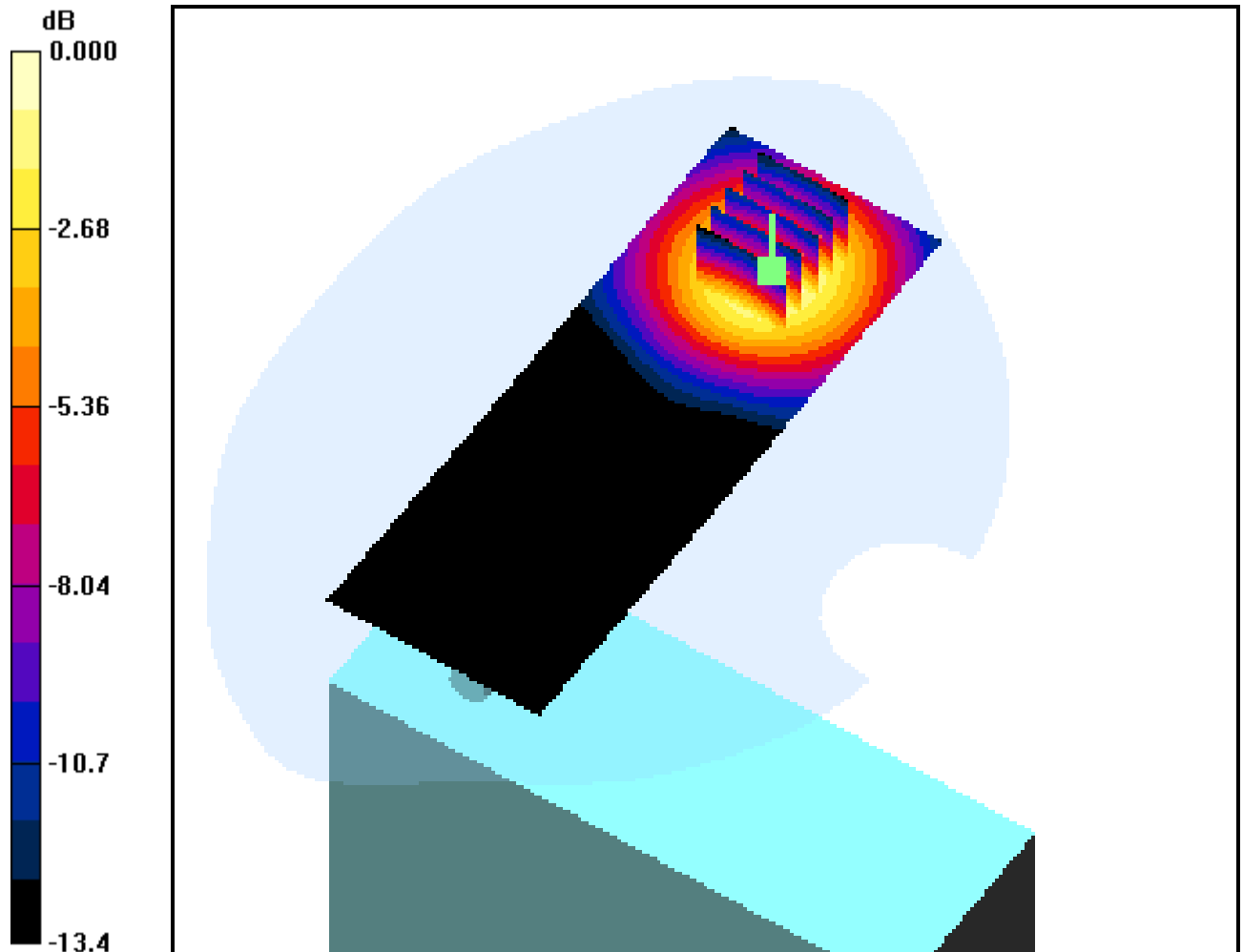
Area Scan (51x141x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

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

Power Drift = 0.126 dB

Peak SAR (extrapolated) = 0.310 W/kg

SAR(1 g) = 0.200 mW/g; SAR(10 g) = 0.125 mW/g



0 dB = 0.215mW/g

DIGITAL EMC CO., LTD

DUT: FGD-6280; Type: WLL;TA Model No:SYS1298-1506-W2

Communication System: PCS1900; Frequency: 1880 MHz;Duty Cycle: 1:8.3

Medium parameters used: $f = 1880 \text{ MHz}$; $\sigma = 1.5 \text{ mho/m}$; $\epsilon_r = 51.3$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

DASY4 Configuration:

Probe: ET3DV6 - SN1702; ConvF(4.76, 4.76, 4.76); Calibrated: 2006-03-23; Electronics: DAE3 Sn519

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

Measurement SW: DASY4, V4.6 Build 23; Postprocessing SW: SEMCAD, V1.8 Build 161

Test Date: 2006-09-04; Ambient Temp: 22.0; Tissue Temp: 23.0

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

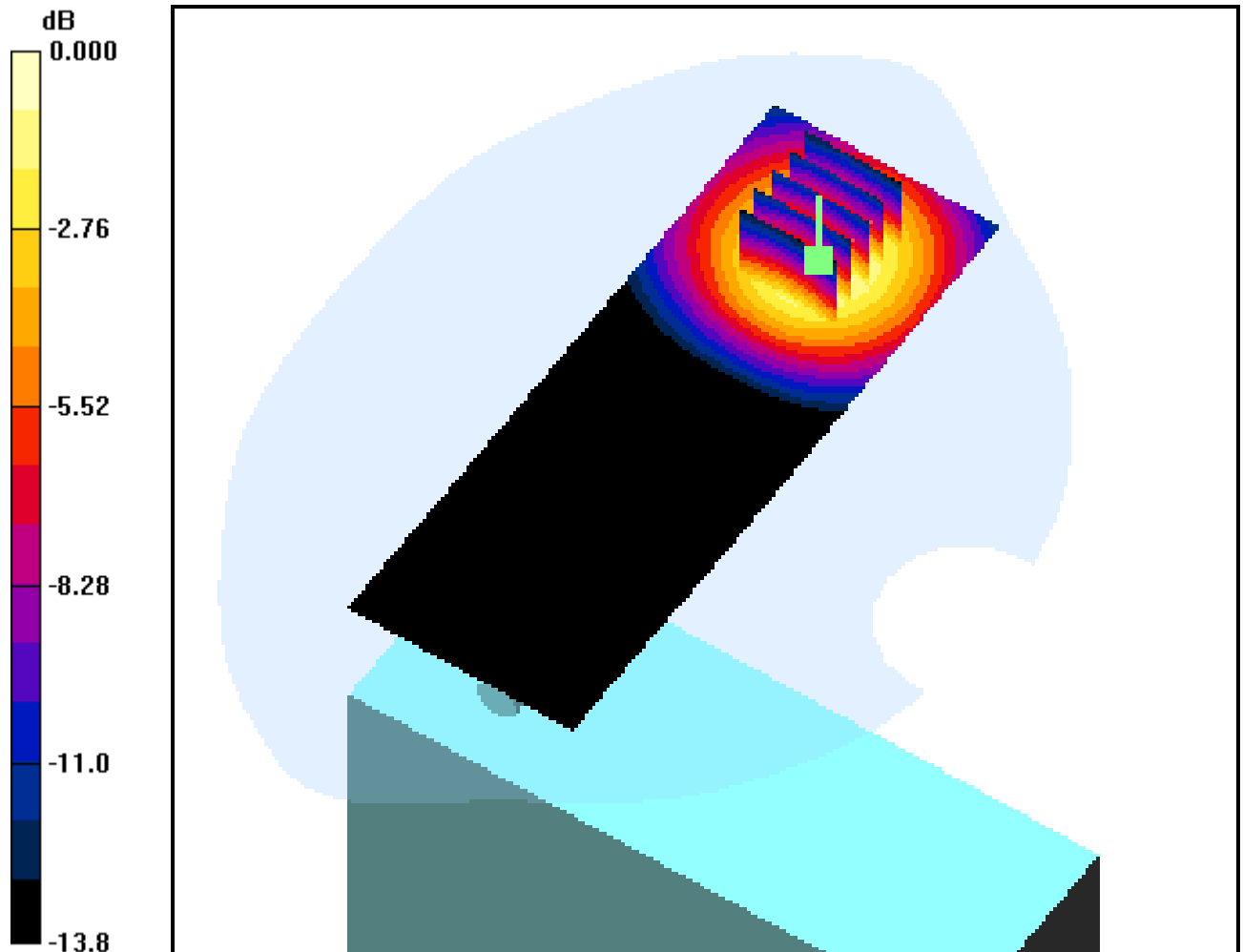
Area Scan (51x141x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

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

Power Drift = -0.061 dB

Peak SAR (extrapolated) = 0.374 W/kg

SAR(1 g) = 0.241 mW/g; SAR(10 g) = 0.151 mW/g



0 dB = 0.259mW/g

DIGITAL EMC CO., LTD

DUT: FGD-6280; Type: WLL;TA Model No:SYS1298-1506-W2

Communication System: PCS1900; Frequency: 1909.8 MHz;Duty Cycle: 1:8.3
Medium parameters used: $f = 1909.8 \text{ MHz}$; $\sigma = 1.53 \text{ mho/m}$; $\epsilon_r = 51.2$; $\rho = 1000 \text{ kg/m}^3$
Phantom section: Flat Section

DASY4 Configuration:

Probe: ET3DV6 - SN1702; ConvF(4.76, 4.76, 4.76); Calibrated: 2006-03-23; Electronics: DAE3 Sn519
Phantom: SAM 1800/1900 MHz; Type: SAM; Serial: TP-1224
Measurement SW: DASY4, V4.6 Build 23; Postprocessing SW: SEMCAD, V1.8 Build 161

Test Date: 2006-09-04; Ambient Temp: 22.0; Tissue Temp: 23.0

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

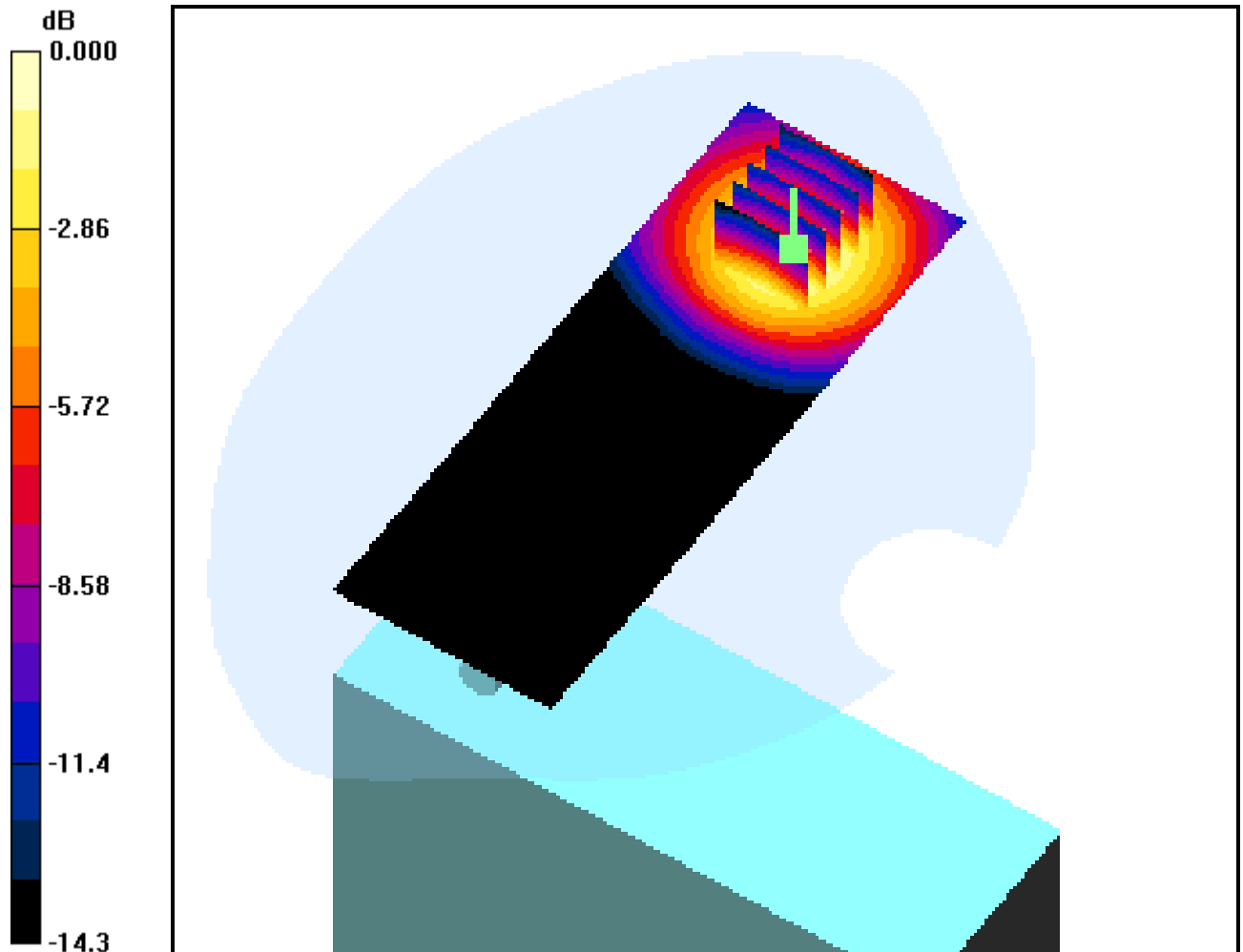
Area Scan (51x141x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

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

Power Drift = -0.178 dB

Peak SAR (extrapolated) = 0.338 W/kg

SAR(1 g) = 0.210 mW/g; SAR(10 g) = 0.130 mW/g



0 dB = 0.226mW/g

DIGITAL EMC CO., LTD

DUT: FGD-6280; Type: WLL;TA Model No:SYS1298-1506-W2

Communication System: PCS1900; Frequency: 1880 MHz;Duty Cycle: 1:4.15
Medium parameters used: $f = 1880 \text{ MHz}$; $\sigma = 1.5 \text{ mho/m}$; $\epsilon_r = 51.3$; $\rho = 1000 \text{ kg/m}^3$
Phantom section: Flat Section

DASY4 Configuration:

Probe: ET3DV6 - SN1702; ConvF(4.76, 4.76, 4.76); Calibrated: 2006-03-23; Electronics: DAE3 Sn519
Phantom: SAM 1800/1900 MHz; Type: SAM; Serial: TP-1224
Measurement SW: DASY4, V4.6 Build 23; Postprocessing SW: SEMCAD, V1.8 Build 161

Test Date: 2006-09-04; Ambient Temp: 22.0; Tissue Temp: 23.0

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

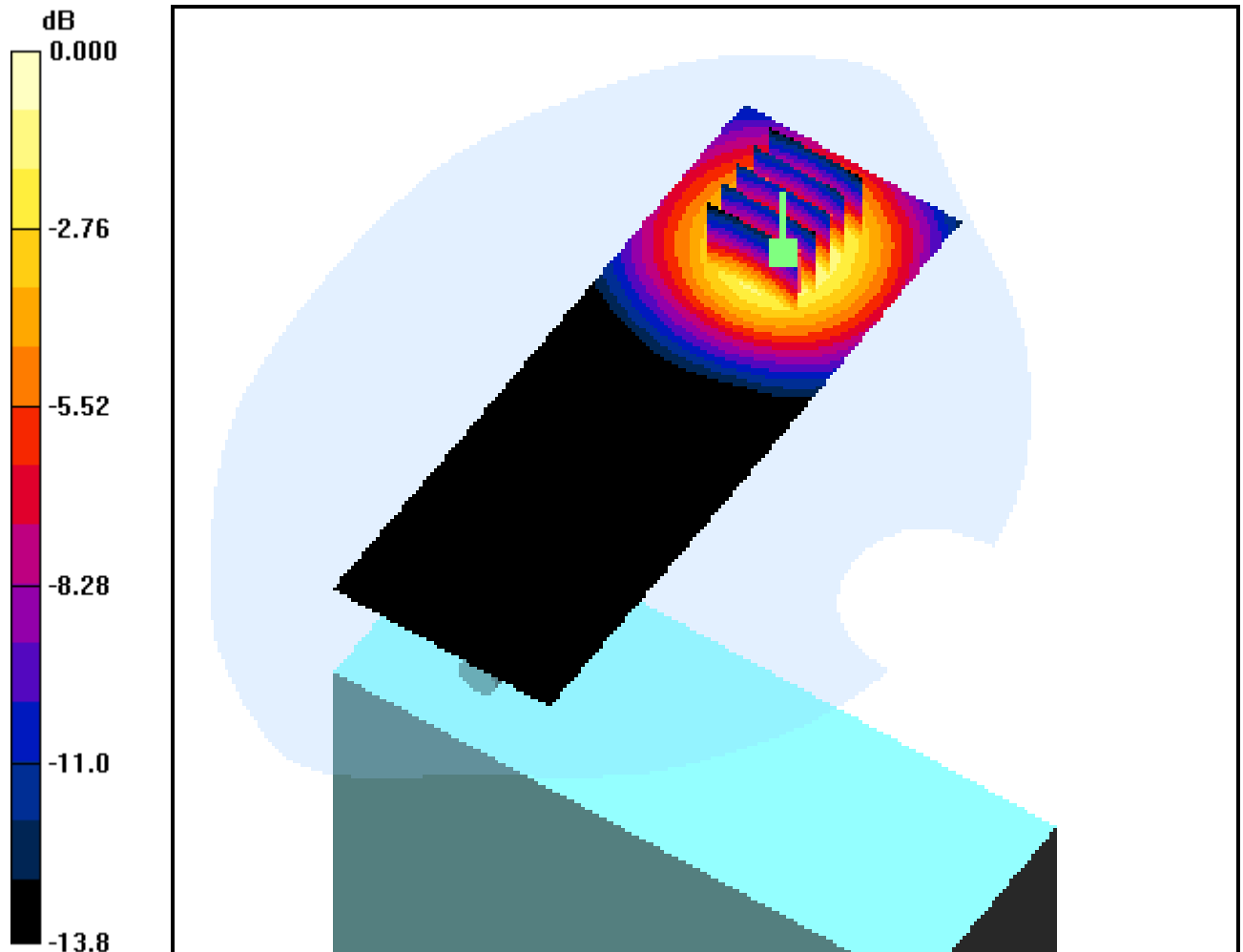
Area Scan (51x141x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

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

Power Drift = -0.084 dB

Peak SAR (extrapolated) = 0.711 W/kg

SAR(1 g) = 0.442 mW/g; SAR(10 g) = 0.273 mW/g



0 dB = 0.478mW/g