

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: $f = 835 \text{ MHz}$; $\sigma = 0.907 \text{ mho/m}$; $\epsilon_r = 42.1$; $\rho = 1000 \text{ kg/m}^3$

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: 2008-04-21; Ambient Temp: 22.0; Tissue Temp: 21.2

Dipole Validation

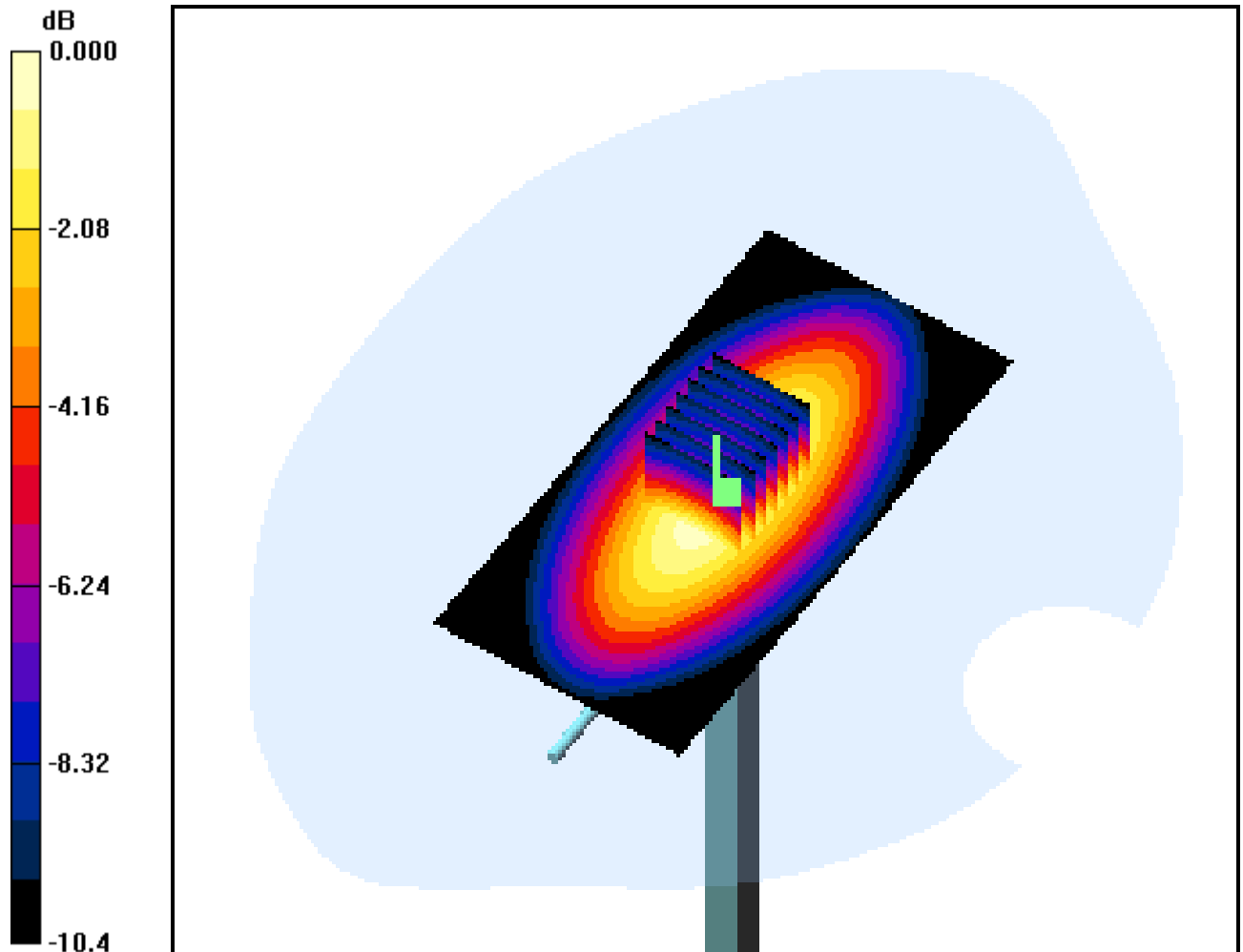
Area Scan (51x101x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

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

Reference Value = 55.2 V/m; Power Drift = -0.009 dB

Peak SAR (extrapolated) = 3.55 W/kg

SAR(1 g) = 2.39 mW/g; SAR(10 g) = 1.56 mW/g



0 dB = 2.59mW/g

DIGITAL EMC CO., LTD

DUT: SXC-1380; Type: CDMA single Band; Laptop: Toshiba M100

Communication System: FCC CDMA; Frequency: 824.7 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 824.7 \text{ MHz}$; $\sigma = 0.966 \text{ mho/m}$; $\epsilon_r = 54$; $\rho = 1000 \text{ kg/m}^3$
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: 2008-04-21; Ambient Temp: 22.0; Tissue Temp: 21.2

7mm from Body, CDMA_Cellular Ch.1013, Ant Internal

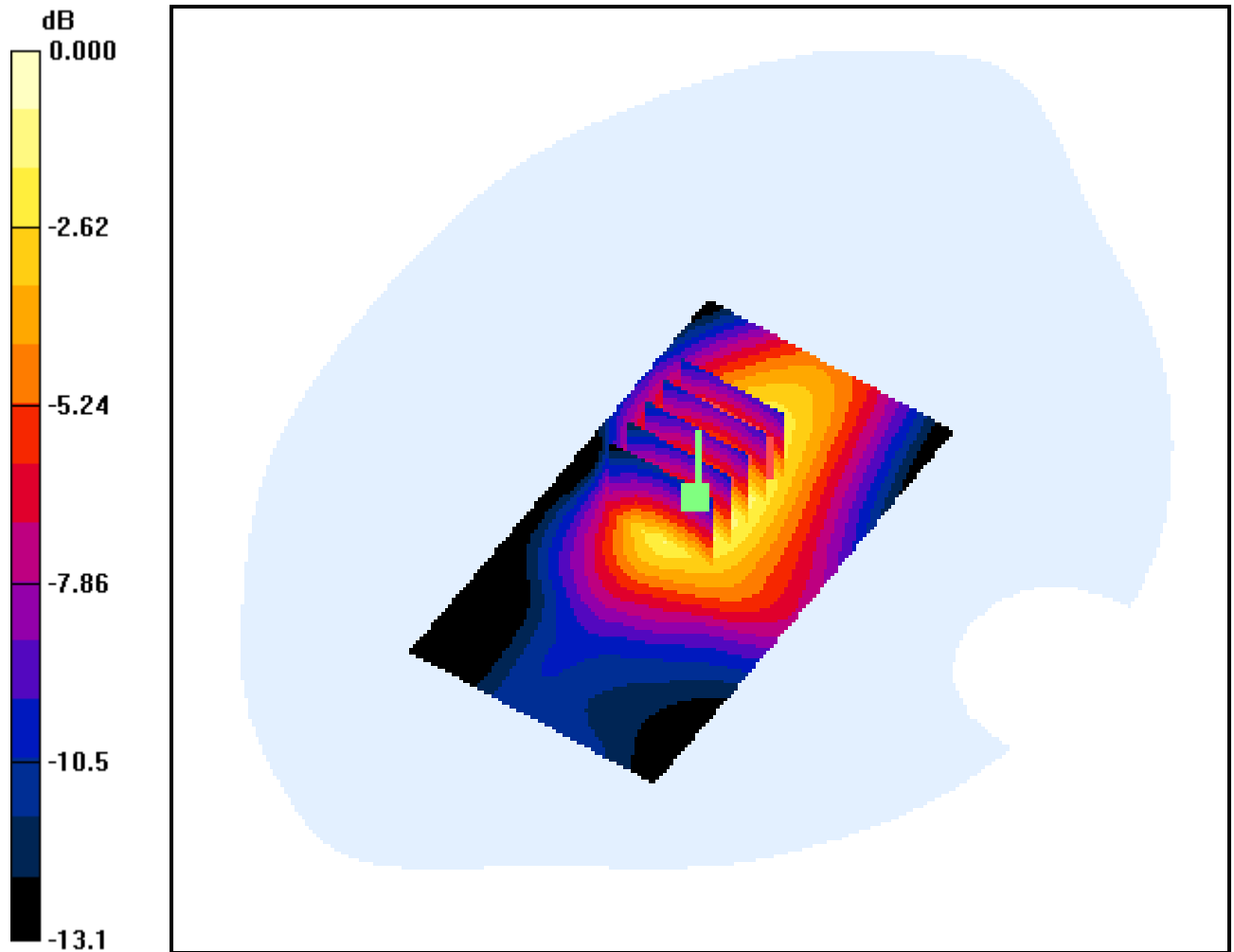
Area Scan (51x91x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

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

Reference Value = 38.5 V/m; Power Drift = 0.079 dB

Peak SAR (extrapolated) = 1.92 W/kg

SAR(1 g) = 1.29 mW/g; SAR(10 g) = 0.831 mW/g



0 dB = 1.40mW/g

DIGITAL EMC CO., LTD

DUT: SXC-1380; Type: CDMA single Band; Laptop: Toshiba M100

Communication System: FCC CDMA; Frequency: 836.52 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 836.52 \text{ MHz}$; $\sigma = 0.977 \text{ mho/m}$; $\epsilon_r = 54$; $\rho = 1000 \text{ kg/m}^3$
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: 2008-04-21; Ambient Temp: 22.0; Tissue Temp: 21.2

7mm from Body, CDMA_Cellular Ch.384, Ant Internal

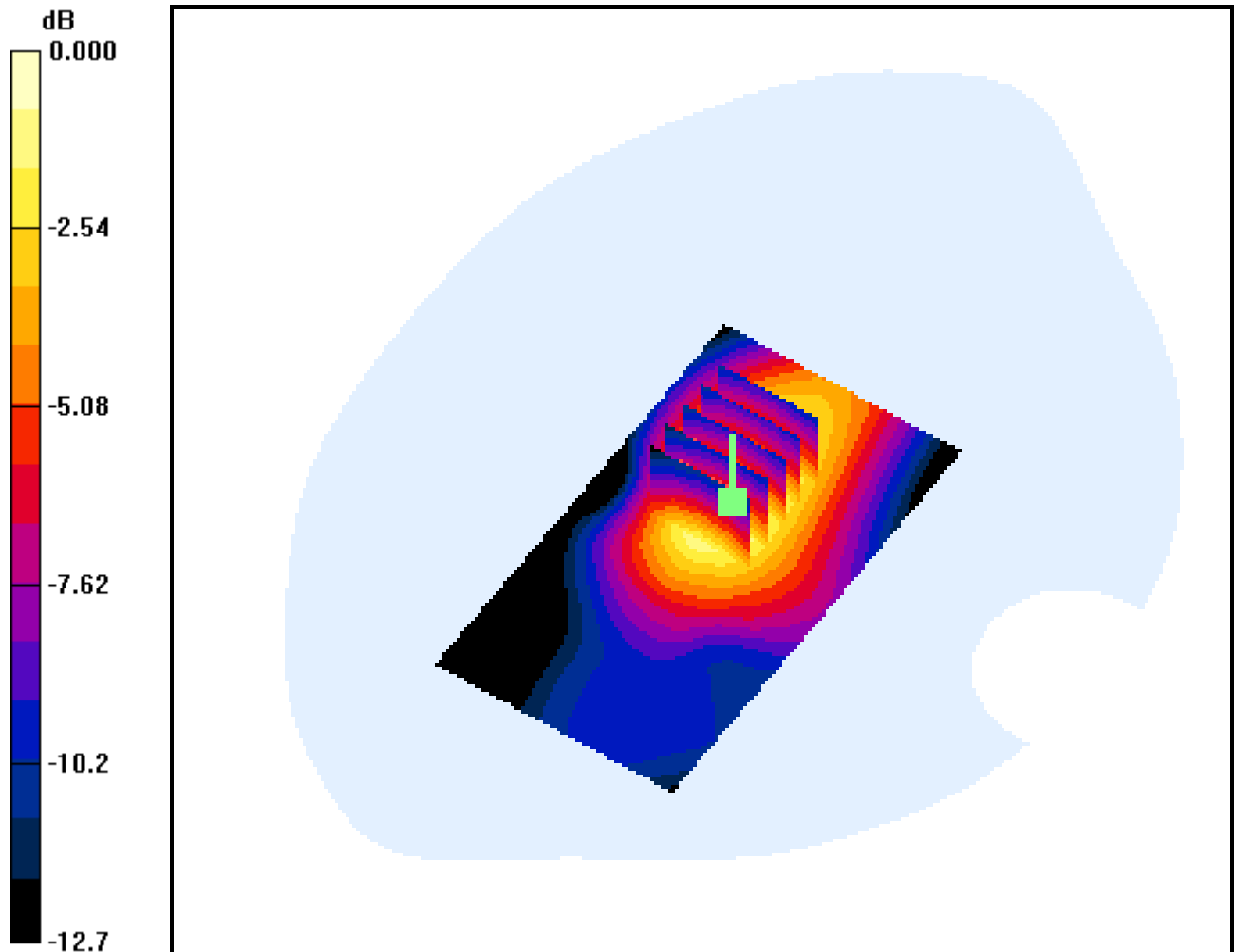
Area Scan (51x91x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

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

Reference Value = 38.1 V/m; Power Drift = -0.073 dB

Peak SAR (extrapolated) = 2.00 W/kg

SAR(1 g) = 1.3 mW/g; SAR(10 g) = 0.824 mW/g



0 dB = 1.40mW/g

DIGITAL EMC CO., LTD

DUT: SXC-1380; Type: CDMA single Band; Laptop: Toshiba M100

Communication System: FCC CDMA; Frequency: 848.31 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 848.31 \text{ MHz}$; $\sigma = 0.99 \text{ mho/m}$; $\epsilon_r = 54$; $\rho = 1000 \text{ kg/m}^3$
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: 2008-04-21; Ambient Temp: 22.0; Tissue Temp: 21.2

7mm from Body, CDMA_Cellular Ch.777, Ant Internal

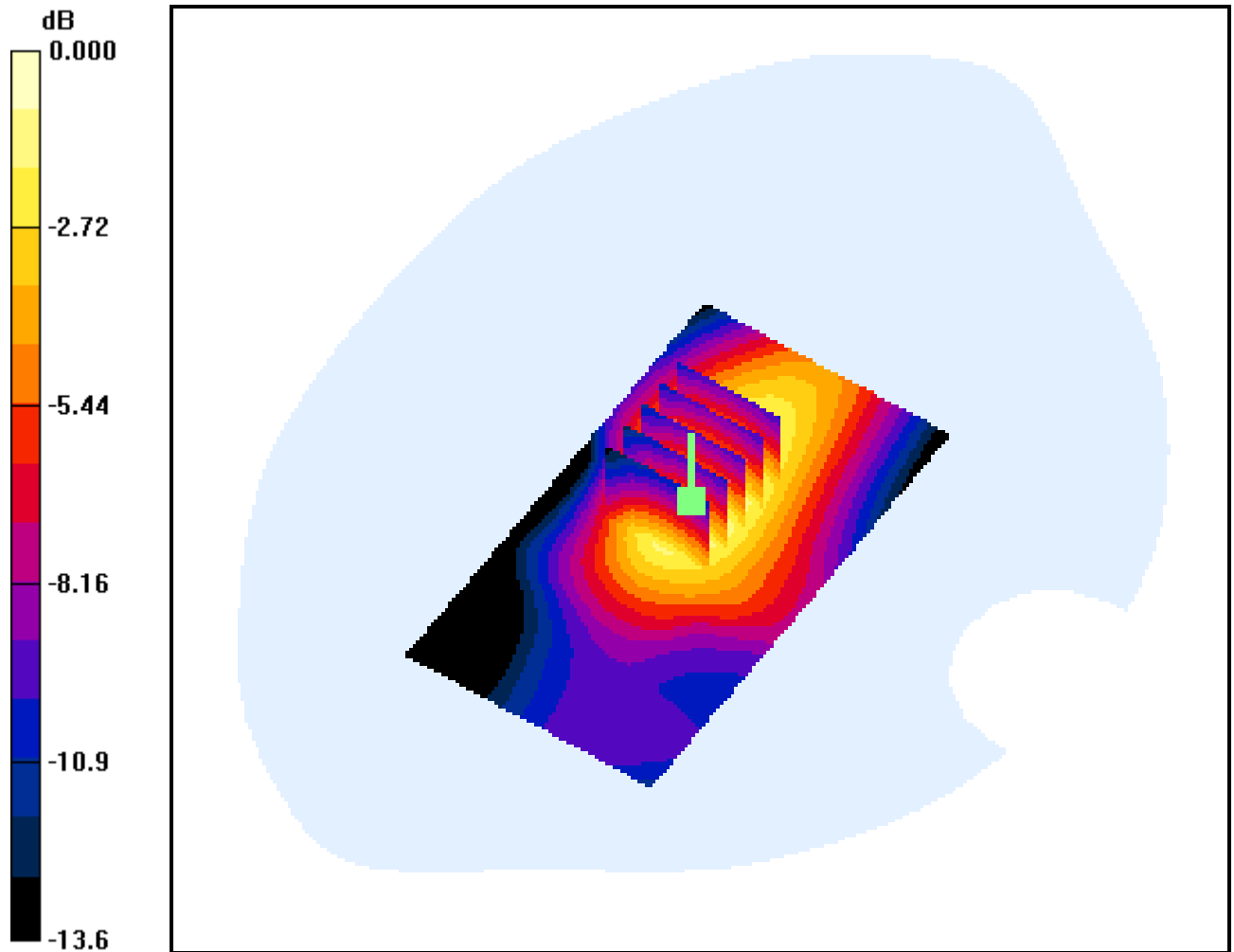
Area Scan (51x91x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

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

Reference Value = 35.7 V/m; Power Drift = -0.242 dB

Peak SAR (extrapolated) = 1.62 W/kg

SAR(1 g) = 1.09 mW/g; SAR(10 g) = 0.704 mW/g



0 dB = 1.19mW/g

DIGITAL EMC CO., LTD

DUT: SXC-1380; Type: CDMA single Band; Laptop: LG LS50

Communication System: FCC CDMA; Frequency: 824.7 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 824.7 \text{ MHz}$; $\sigma = 0.966 \text{ mho/m}$; $\epsilon_r = 54$; $\rho = 1000 \text{ kg/m}^3$
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: 2008-04-21; Ambient Temp: 22.0; Tissue Temp: 21.2

8.5mm from Body, CDMA_Cellular Ch.1013, Ant Internal

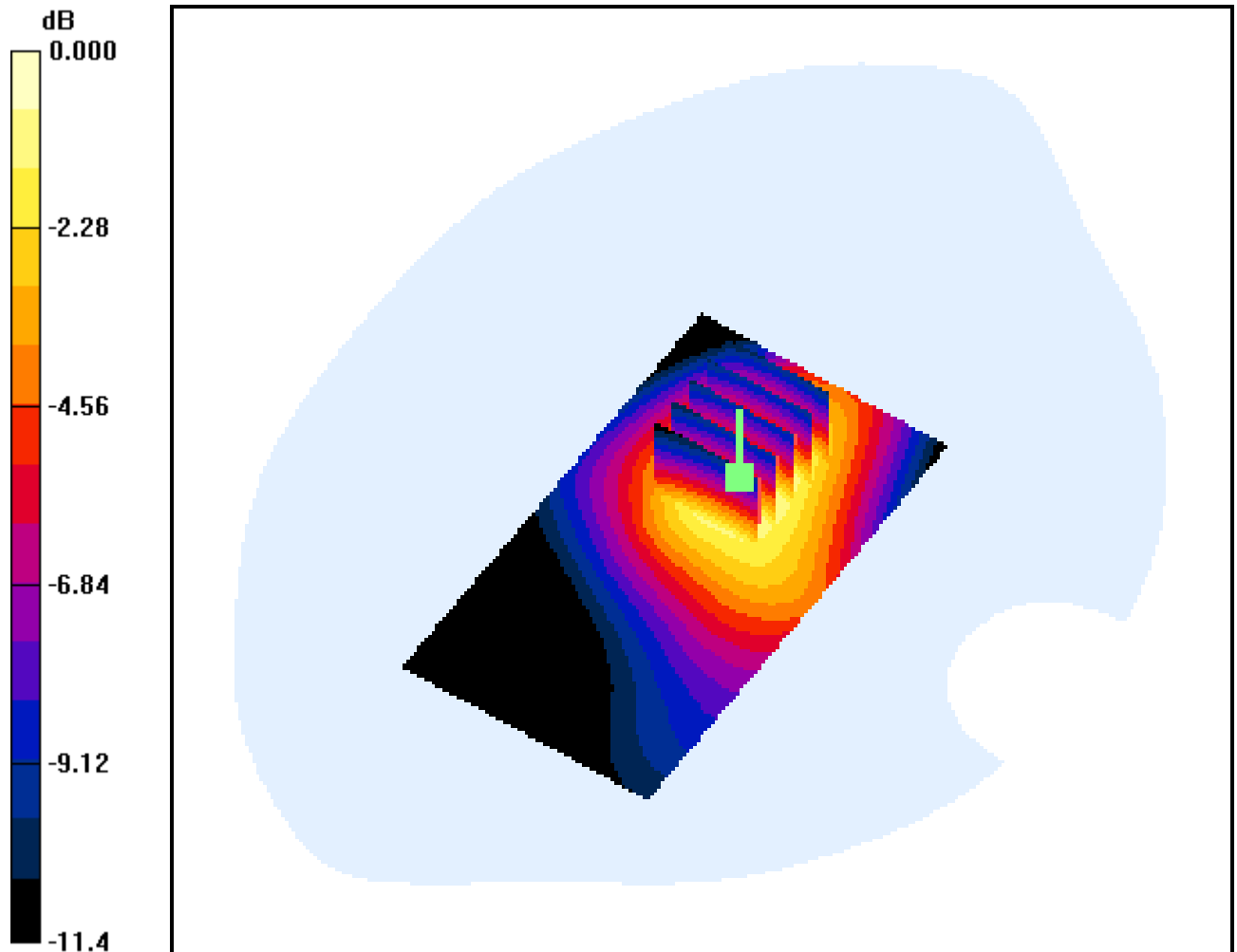
Area Scan (51x91x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

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

Reference Value = 38.2 V/m; Power Drift = -0.027 dB

Peak SAR (extrapolated) = 1.87 W/kg

SAR(1 g) = 1.29 mW/g; SAR(10 g) = 0.845 mW/g



0 dB = 1.41mW/g

DIGITAL EMC CO., LTD

DUT: SXC-1380; Type: CDMA single Band; Laptop: LG LS50

Communication System: FCC CDMA; Frequency: 836.52 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 836.52 \text{ MHz}$; $\sigma = 0.977 \text{ mho/m}$; $\epsilon_r = 54$; $\rho = 1000 \text{ kg/m}^3$
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: 2008-04-21; Ambient Temp: 22.0; Tissue Temp: 21.2

8.5mm from Body, CDMA_Cellular Ch.384, Ant Internal

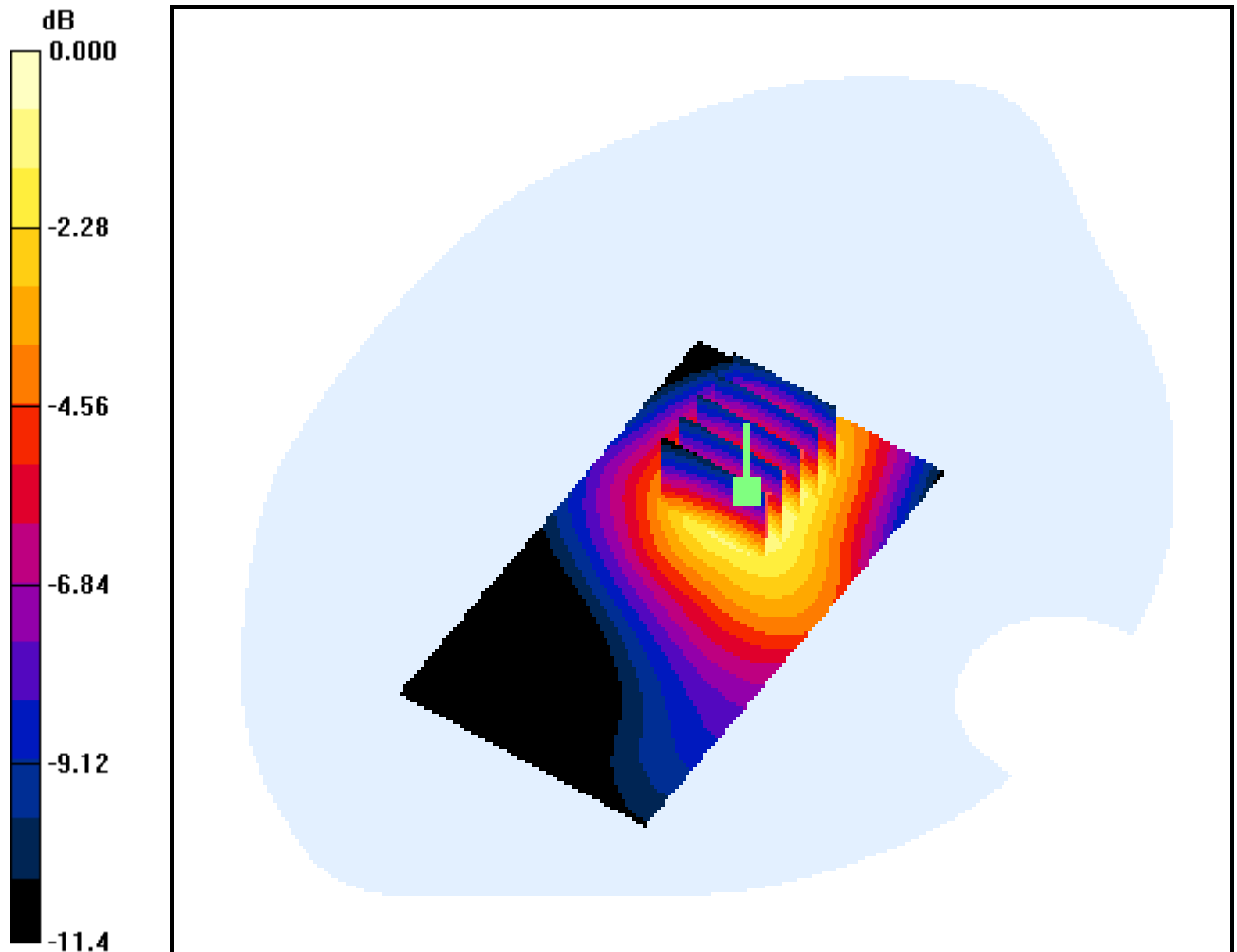
Area Scan (51x91x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

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

Reference Value = 39.9 V/m; Power Drift = -0.088 dB

Peak SAR (extrapolated) = 2.07 W/kg

SAR(1 g) = 1.4 mW/g; SAR(10 g) = 0.909 mW/g



0 dB = 1.52mW/g

DIGITAL EMC CO., LTD

DUT: SXC-1380; Type: CDMA single Band; Laptop: LG LS50

Communication System: FCC CDMA; Frequency: 848.31 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 848.31 \text{ MHz}$; $\sigma = 0.99 \text{ mho/m}$; $\epsilon_r = 54$; $\rho = 1000 \text{ kg/m}^3$
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: 2008-04-21; Ambient Temp: 22.0; Tissue Temp: 21.2

8.5mm from Body, CDMA_Cellular Ch.777, Ant Internal

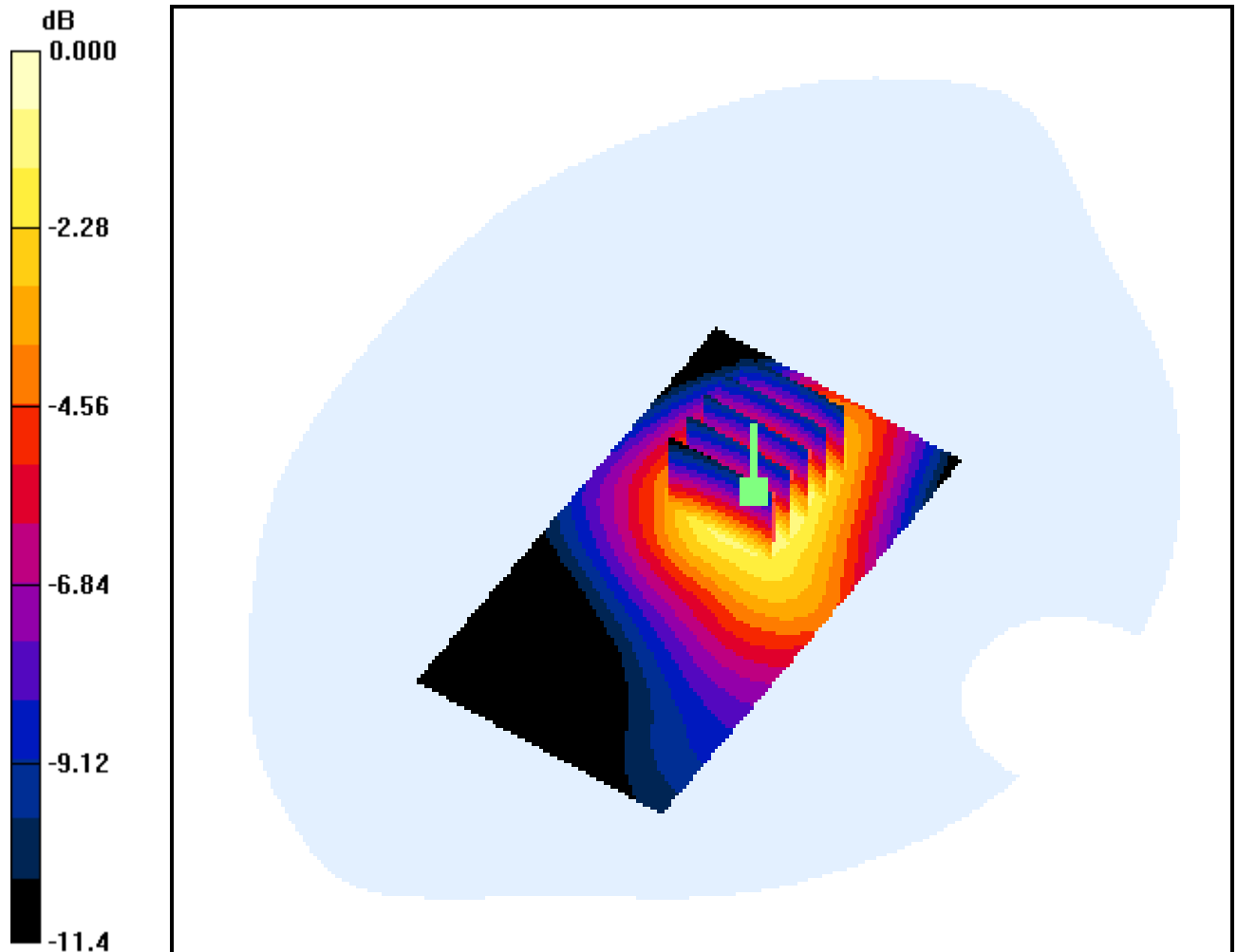
Area Scan (51x91x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

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

Reference Value = 36.7 V/m; Power Drift = -0.221 dB

Peak SAR (extrapolated) = 1.69 W/kg

SAR(1 g) = 1.16 mW/g; SAR(10 g) = 0.753 mW/g



0 dB = 1.27mW/g

DIGITAL EMC CO., LTD

DUT: SXC-1380; Type: CDMA single Band; Laptop: TG AVERATEC 6100

Communication System: FCC CDMA; Frequency: 824.7 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 824.7 \text{ MHz}$; $\sigma = 0.966 \text{ mho/m}$; $\epsilon_r = 54$; $\rho = 1000 \text{ kg/m}^3$
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: 2008-04-21; Ambient Temp: 22.0; Tissue Temp: 21.2

13mm from Body, CDMA_Cellular Ch.1013, Ant Internal

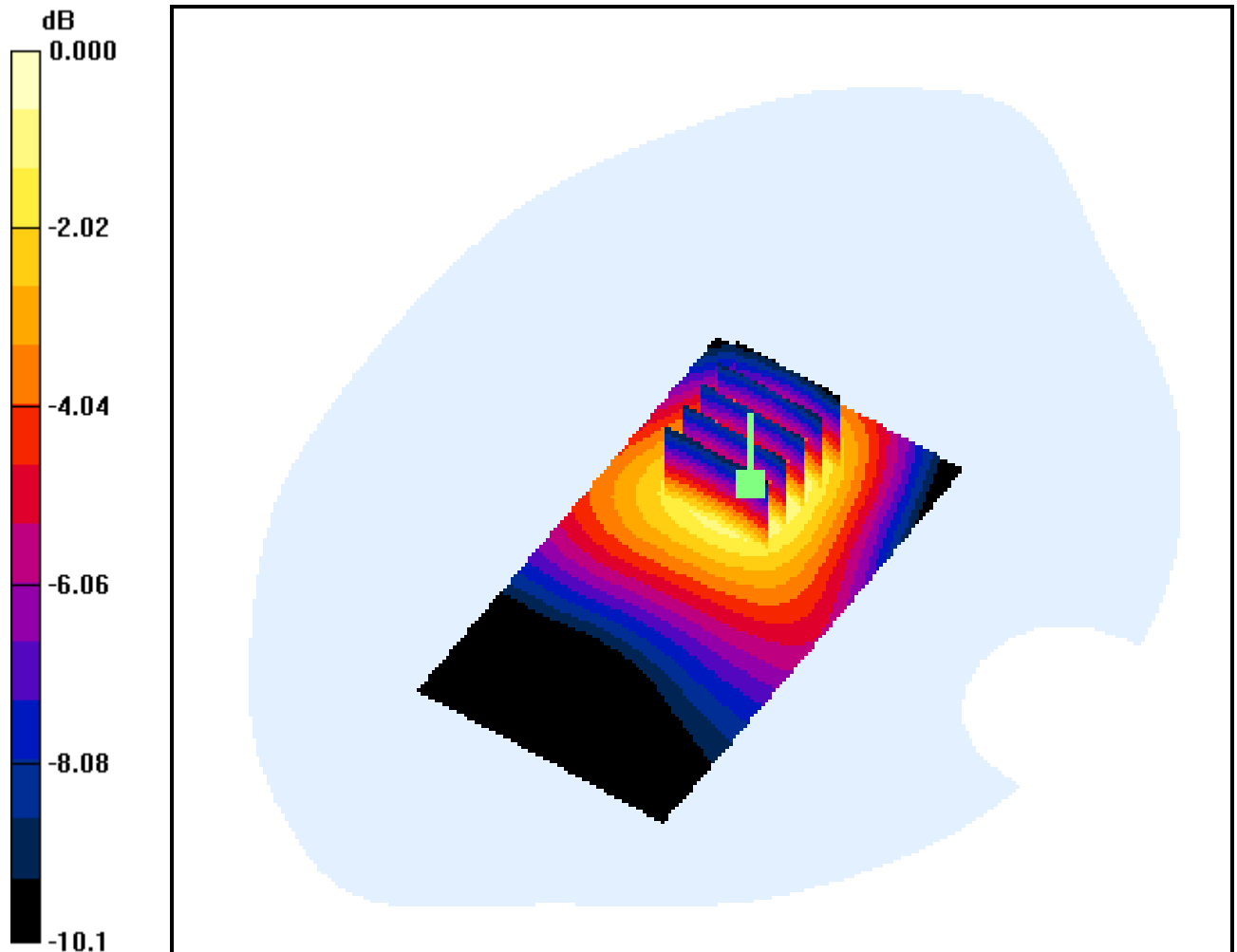
Area Scan (51x91x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

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

Reference Value = 28.9 V/m; Power Drift = -0.072 dB

Peak SAR (extrapolated) = 1.08 W/kg

SAR(1 g) = 0.783 mW/g; SAR(10 g) = 0.531 mW/g



0 dB = 0.845mW/g

DIGITAL EMC CO., LTD

DUT: SXC-1380; Type: CDMA single Band; Laptop: TG AVERATEC 6100

Communication System: FCC CDMA; Frequency: 836.52 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 836.52 \text{ MHz}$; $\sigma = 0.977 \text{ mho/m}$; $\epsilon_r = 54$; $\rho = 1000 \text{ kg/m}^3$
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: 2008-04-21; Ambient Temp: 22.0; Tissue Temp: 21.2

13mm from Body, CDMA_Cellular Ch.384, Ant Internal

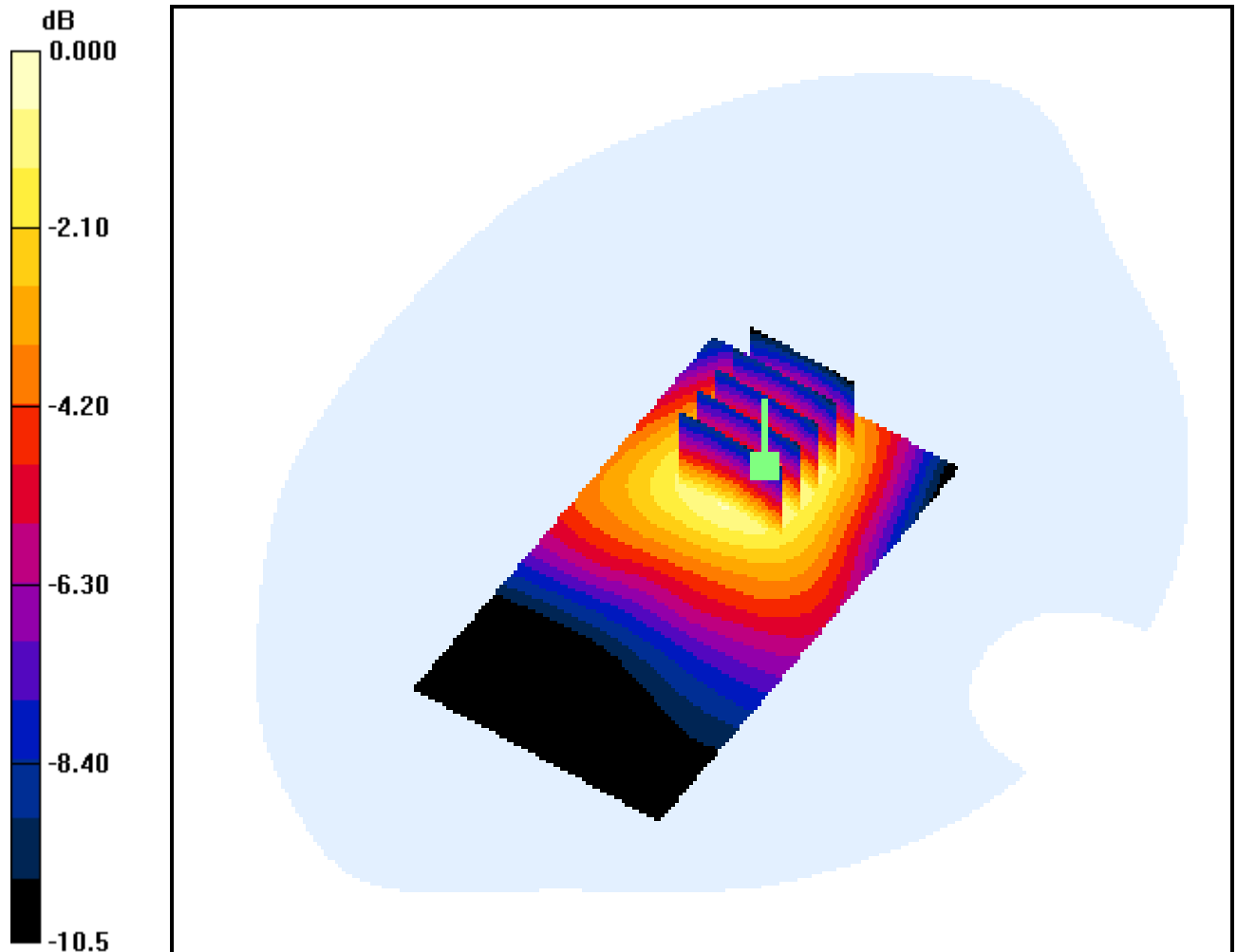
Area Scan (51x91x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

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

Reference Value = 32.8 V/m; Power Drift = -0.314 dB

Peak SAR (extrapolated) = 1.30 W/kg

SAR(1 g) = 0.952 mW/g; SAR(10 g) = 0.649 mW/g



0 dB = 1.01mW/g

DIGITAL EMC CO., LTD

DUT: SXC-1380; Type: CDMA single Band; Laptop: TG AVERATEC 6100

Communication System: FCC CDMA; Frequency: 848.31 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 848.31 \text{ MHz}$; $\sigma = 0.99 \text{ mho/m}$; $\epsilon_r = 54$; $\rho = 1000 \text{ kg/m}^3$
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: 2008-04-21; Ambient Temp: 22.0; Tissue Temp: 21.2

13mm from Body, CDMA_Cellular Ch.777, Ant Internal

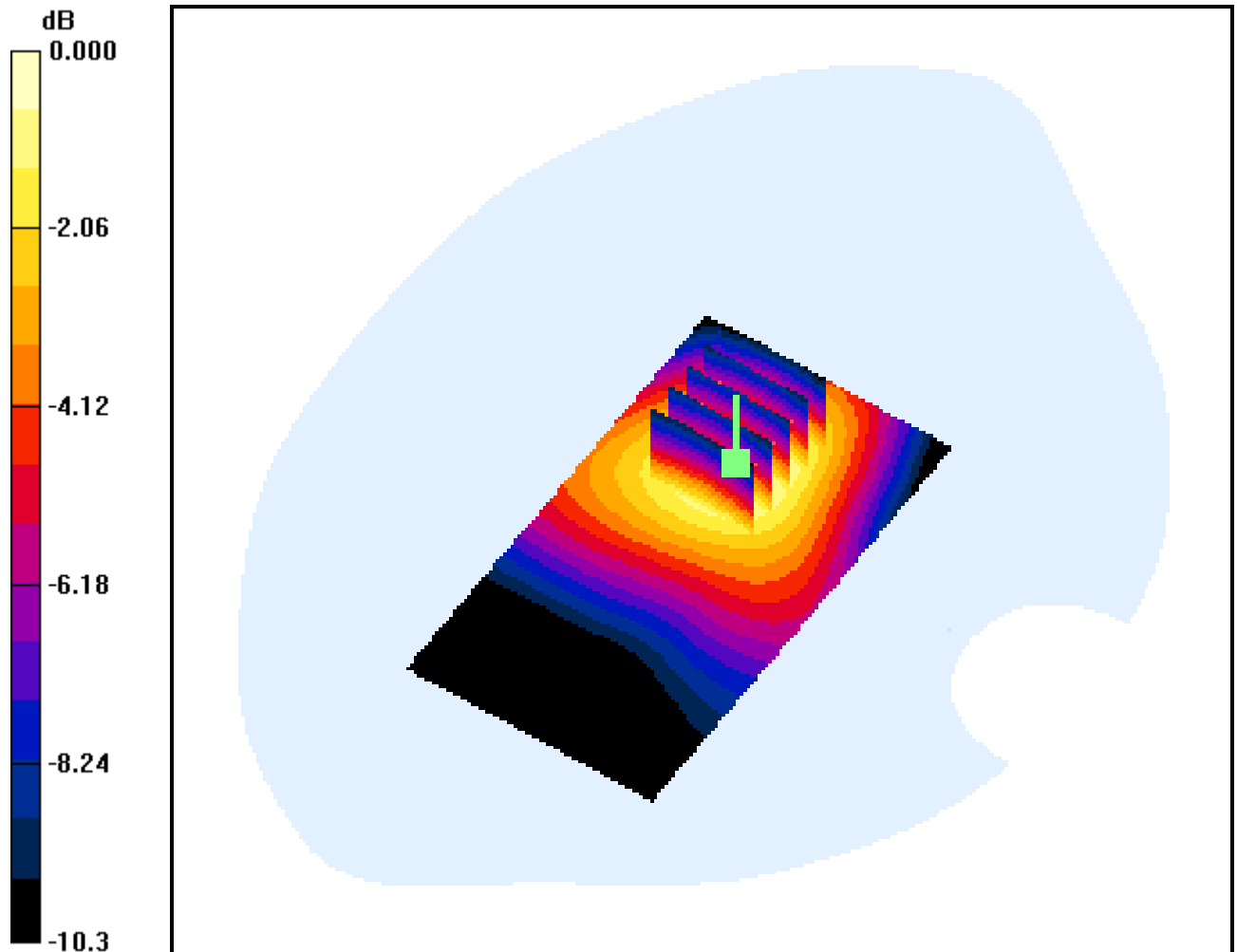
Area Scan (51x91x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

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

Reference Value = 25.3 V/m; Power Drift = 0.010 dB

Peak SAR (extrapolated) = 0.837 W/kg

SAR(1 g) = 0.617 mW/g; SAR(10 g) = 0.419 mW/g



0 dB = 0.666mW/g

DIGITAL EMC CO., LTD

DUT: SXC-1380; Type: CDMA single Band; Laptop: LG LS50

Communication System: FCC CDMA; Frequency: 836.52 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 836.52 \text{ MHz}$; $\sigma = 0.977 \text{ mho/m}$; $\epsilon_r = 54$; $\rho = 1000 \text{ kg/m}^3$
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: 2008-04-21; Ambient Temp: 22.0; Tissue Temp: 21.2

8.5mm from Body, CDMA_Cellular Ch.384, Ant Internal

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

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

Reference Value = 39.9 V/m; Power Drift = -0.088 dB

Peak SAR (extrapolated) = 2.07 W/kg

SAR(1 g) = 1.4 mW/g; SAR(10 g) = 0.909 mW/g

