

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: $f = 835 \text{ MHz}$; $\sigma = 0.897 \text{ mho/m}$; $\epsilon_r = 41.5$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

DASY4 Configuration:

Probe: ET3DV6 - SN1703; ConvF(6.52, 6.52, 6.52); Calibrated: 2006-09-20; Electronics: DAE3 Sn520

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: 2007-03-07; Ambient Temp: 20.5; Tissue Temp: 20.0

Dipole Validation

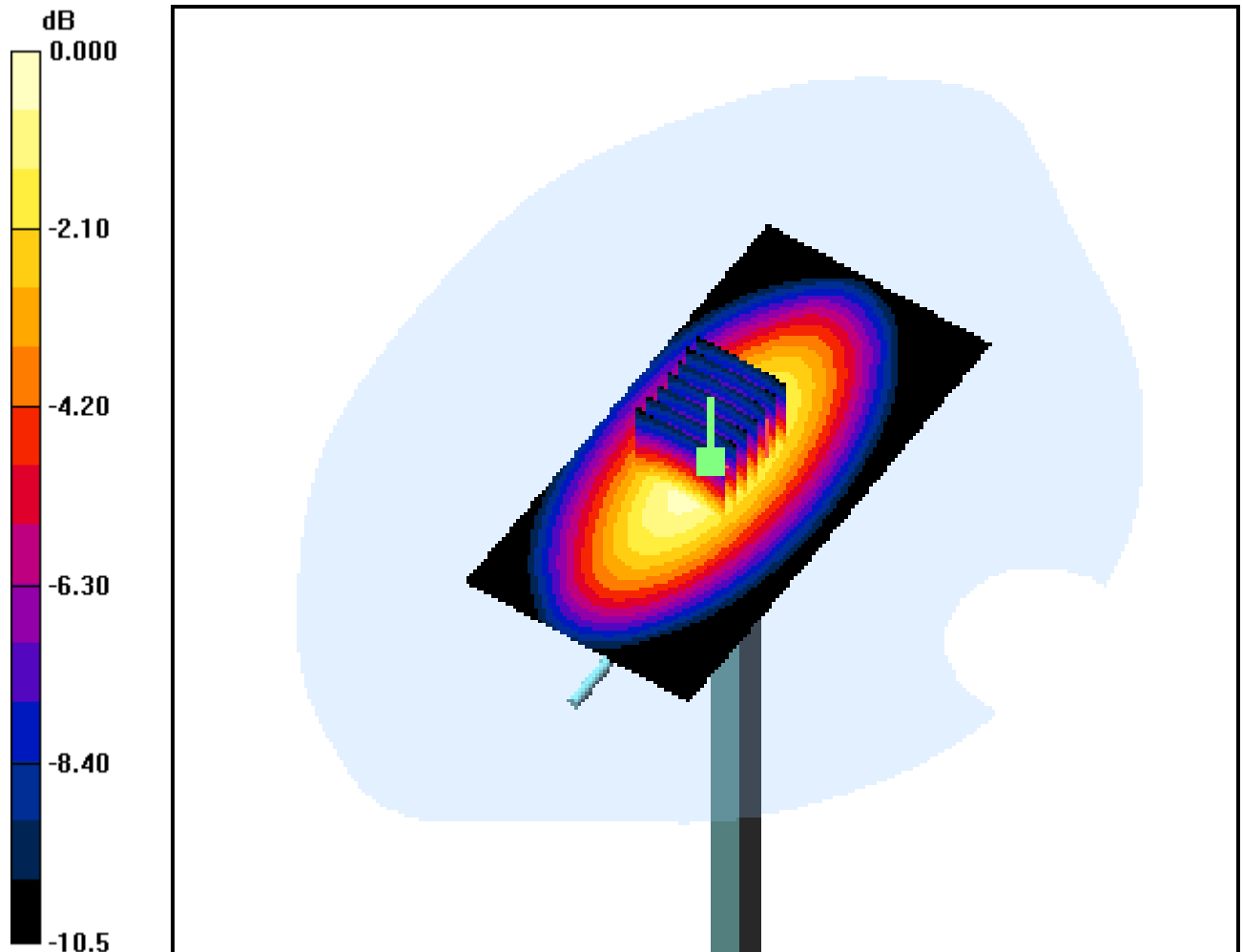
Area Scan (51x101x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

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

Power Drift = -0.003 dB

Peak SAR (extrapolated) = 3.80 W/kg

SAR(1 g) = 2.53 mW/g; SAR(10 g) = 1.65 mW/g



0 dB = 2.74mW/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: $f = 1900 \text{ MHz}$; $\sigma = 1.4 \text{ mho/m}$; $\epsilon_r = 38.9$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

DASY4 Configuration:

Probe: ET3DV6 - SN1703; ConvF(5.38, 5.38, 5.38); Calibrated: 2006-09-20; Electronics: DAE3 Sn520

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: 2007-03-08; Ambient Temp: 20.5; Tissue Temp: 20.0

Dipole Validation

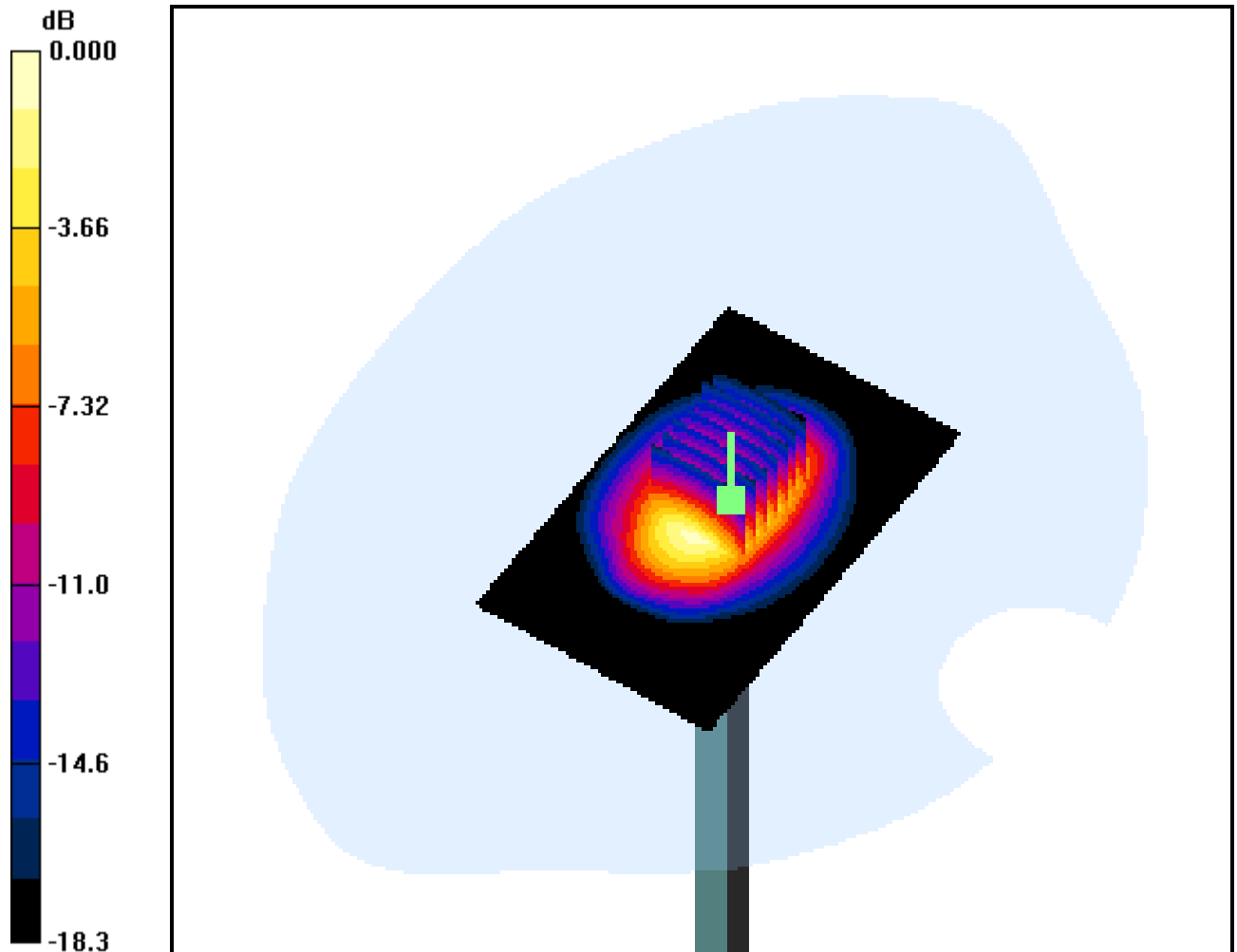
Area Scan (51x81x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

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

Power Drift = 0.025 dB

Peak SAR (extrapolated) = 17.4 W/kg

SAR(1 g) = 9.93 mW/g; SAR(10 g) = 5.17 mW/g



0 dB = 11.1mW/g

DIGITAL EMC CO., LTD

DUT: FX850P; Type: WLL

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

Medium parameters used: $f = 824.2 \text{ MHz}$; $\sigma = 0.994 \text{ mho/m}$; $\epsilon_r = 54.3$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

DASY4 Configuration:

Probe: ET3DV6 - SN1703; ConvF(6.29, 6.29, 6.29); Calibrated: 2006-09-20; Electronics: DAE3 Sn520

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: 2007-03-07; Ambient Temp: 20.5; Tissue Temp: 20.0

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

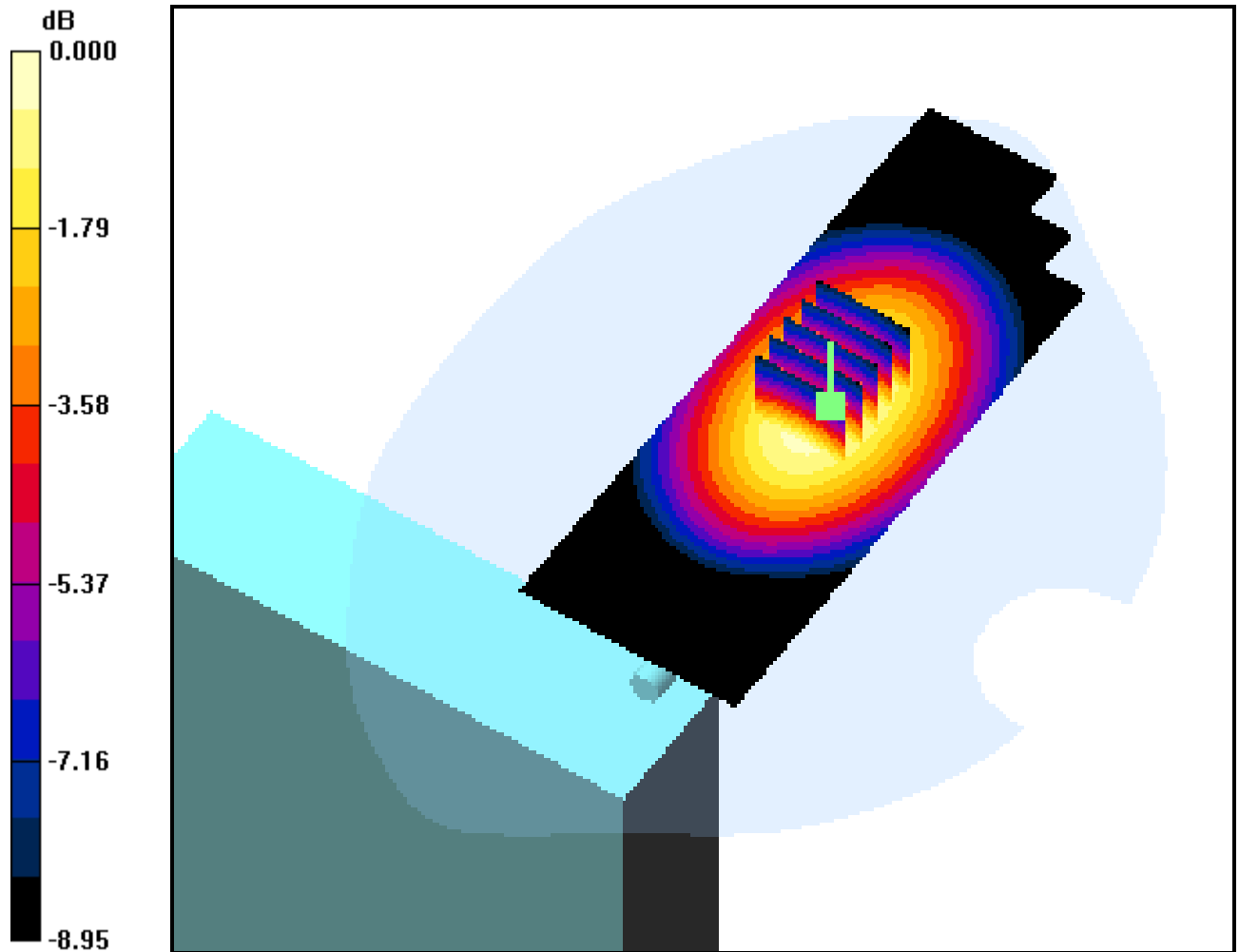
Area Scan (51x141x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

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

Power Drift = -0.034 dB

Peak SAR (extrapolated) = 0.752 W/kg

SAR(1 g) = 0.574 mW/g; SAR(10 g) = 0.409 mW/g



0 dB = 0.607mW/g

DIGITAL EMC CO., LTD

DUT: FX850P; Type: WLL

Communication System: GSM 850; Frequency: 836.6 MHz; Duty Cycle: 1:8.3
Medium parameters used: $f = 836.6 \text{ MHz}$; $\sigma = 1 \text{ mho/m}$; $\epsilon_r = 54.2$; $\rho = 1000 \text{ kg/m}^3$
Phantom section: Flat Section

DASY4 Configuration:

Probe: ET3DV6 - SN1703; ConvF(6.29, 6.29, 6.29); Calibrated: 2006-09-20; Electronics: DAE3 Sn520
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: 2007-03-07; Ambient Temp: 20.5; Tissue Temp: 20.0

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

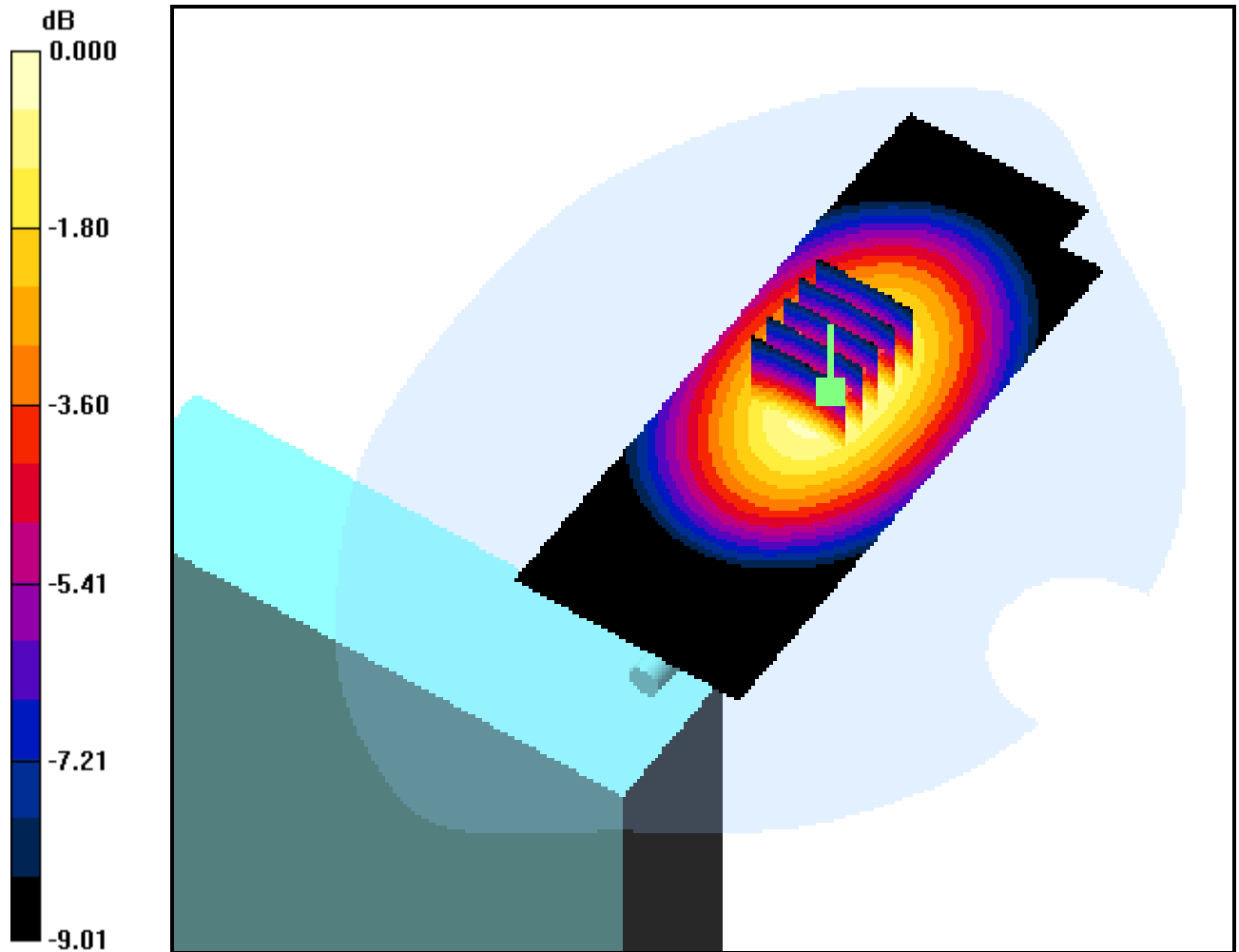
Area Scan (51x131x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

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

Power Drift = -0.047 dB

Peak SAR (extrapolated) = 0.809 W/kg

SAR(1 g) = 0.605 mW/g; SAR(10 g) = 0.428 mW/g



0 dB = 0.644mW/g

DIGITAL EMC CO., LTD

DUT: FX850P; Type: WLL

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

Medium parameters used: $f = 848.8 \text{ MHz}$; $\sigma = 1.02 \text{ mho/m}$; $\epsilon_r = 54.1$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

DASY4 Configuration:

Probe: ET3DV6 - SN1703; ConvF(6.29, 6.29, 6.29); Calibrated: 2006-09-20; Electronics: DAE3 Sn520

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: 2007-03-07; Ambient Temp: 20.5; Tissue Temp: 20.0

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

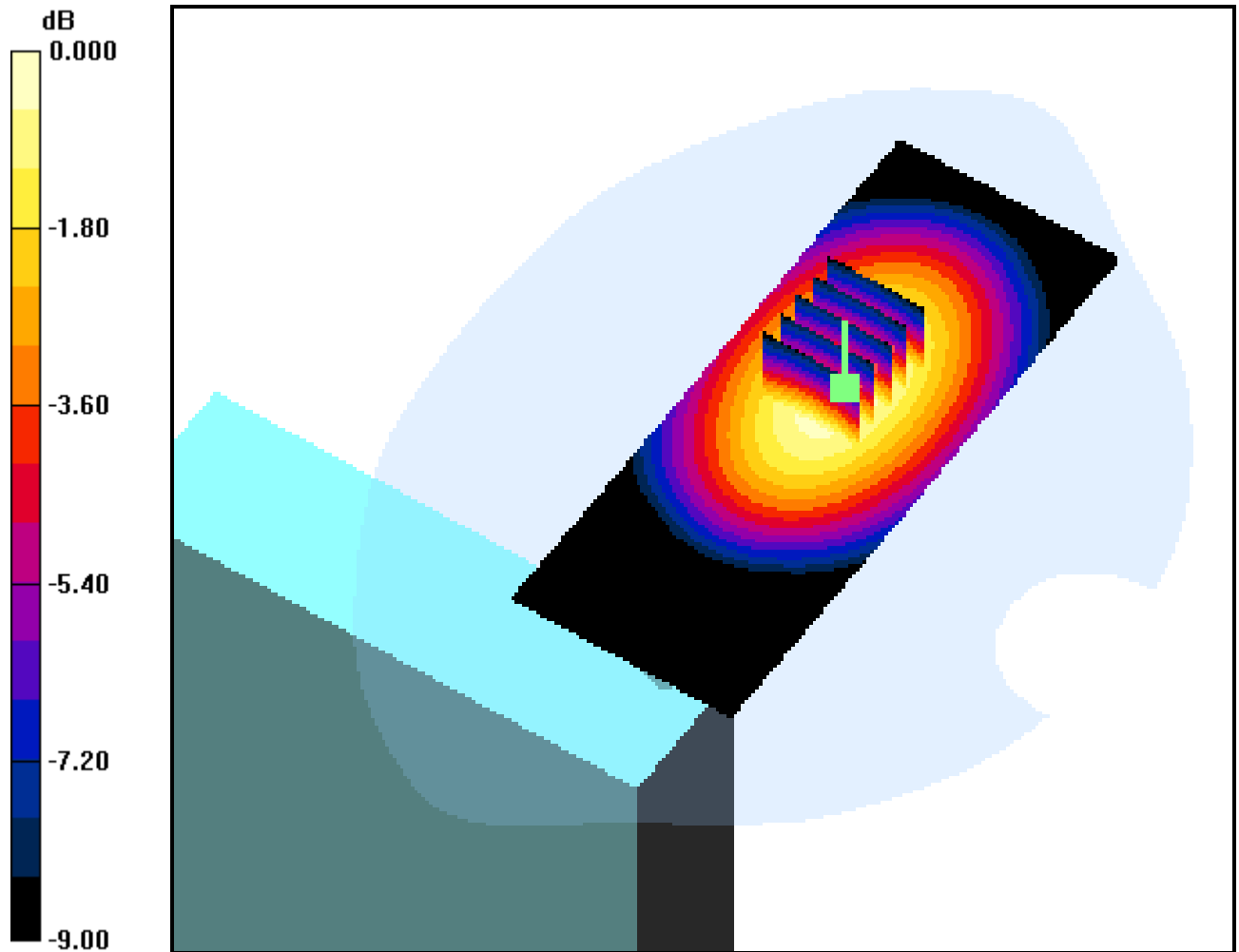
Area Scan (51x131x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

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) = 0.862 W/kg

SAR(1 g) = 0.641 mW/g; SAR(10 g) = 0.454 mW/g



0 dB = 0.683mW/g

DIGITAL EMC CO., LTD

DUT: FX850P; Type: WLL

Communication System: PCS 1900; Frequency: 1850.2 MHz; Duty Cycle: 1:8.3
Medium parameters used: $f = 1850.2 \text{ MHz}$; $\sigma = 1.51 \text{ mho/m}$; $\epsilon_r = 51.6$; $\rho = 1000 \text{ kg/m}^3$
Phantom section: Flat Section

DASY4 Configuration:

Probe: ET3DV6 - SN1703; ConvF(4.72, 4.72, 4.72); Calibrated: 2006-09-20; Electronics: DAE3 Sn520
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: 2007-03-08; Ambient Temp: 20.5; Tissue Temp: 20.0

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

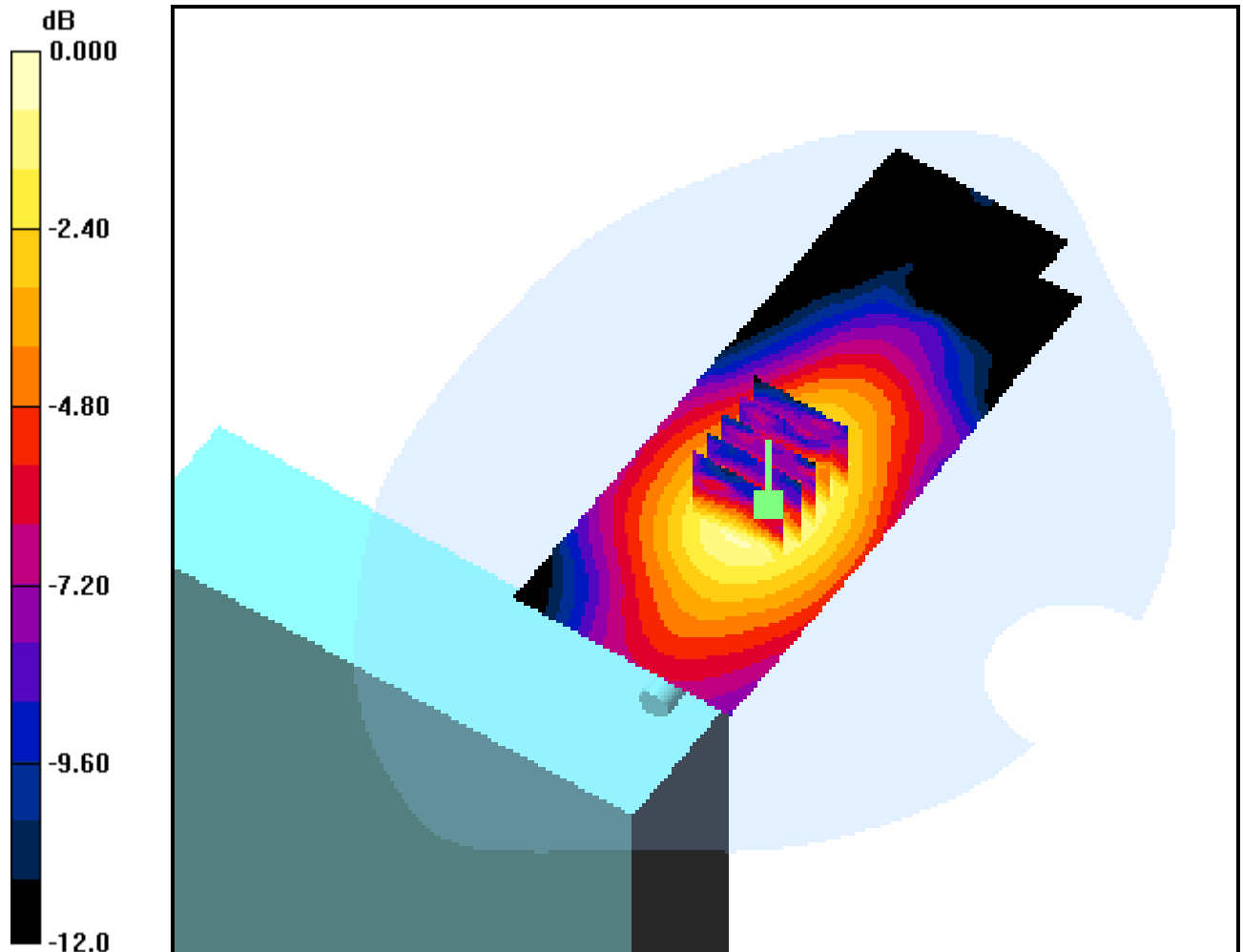
Area Scan (51x131x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

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

Power Drift = -0.024 dB

Peak SAR (extrapolated) = 0.190 W/kg

SAR(1 g) = 0.127 mW/g; SAR(10 g) = 0.085 mW/g



0 dB = 0.136mW/g

DIGITAL EMC CO., LTD

DUT: FX850P; Type: WLL

Communication System: PCS 1900; Frequency: 1880 MHz; Duty Cycle: 1:8.3

Medium parameters used: $f = 1880 \text{ MHz}$; $\sigma = 1.54 \text{ mho/m}$; $\epsilon_r = 51.4$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

DASY4 Configuration:

Probe: ET3DV6 - SN1703; ConvF(4.72, 4.72, 4.72); Calibrated: 2006-09-20; Electronics: DAE3 Sn520

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: 2007-03-08; Ambient Temp: 20.5; Tissue Temp: 20.0

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

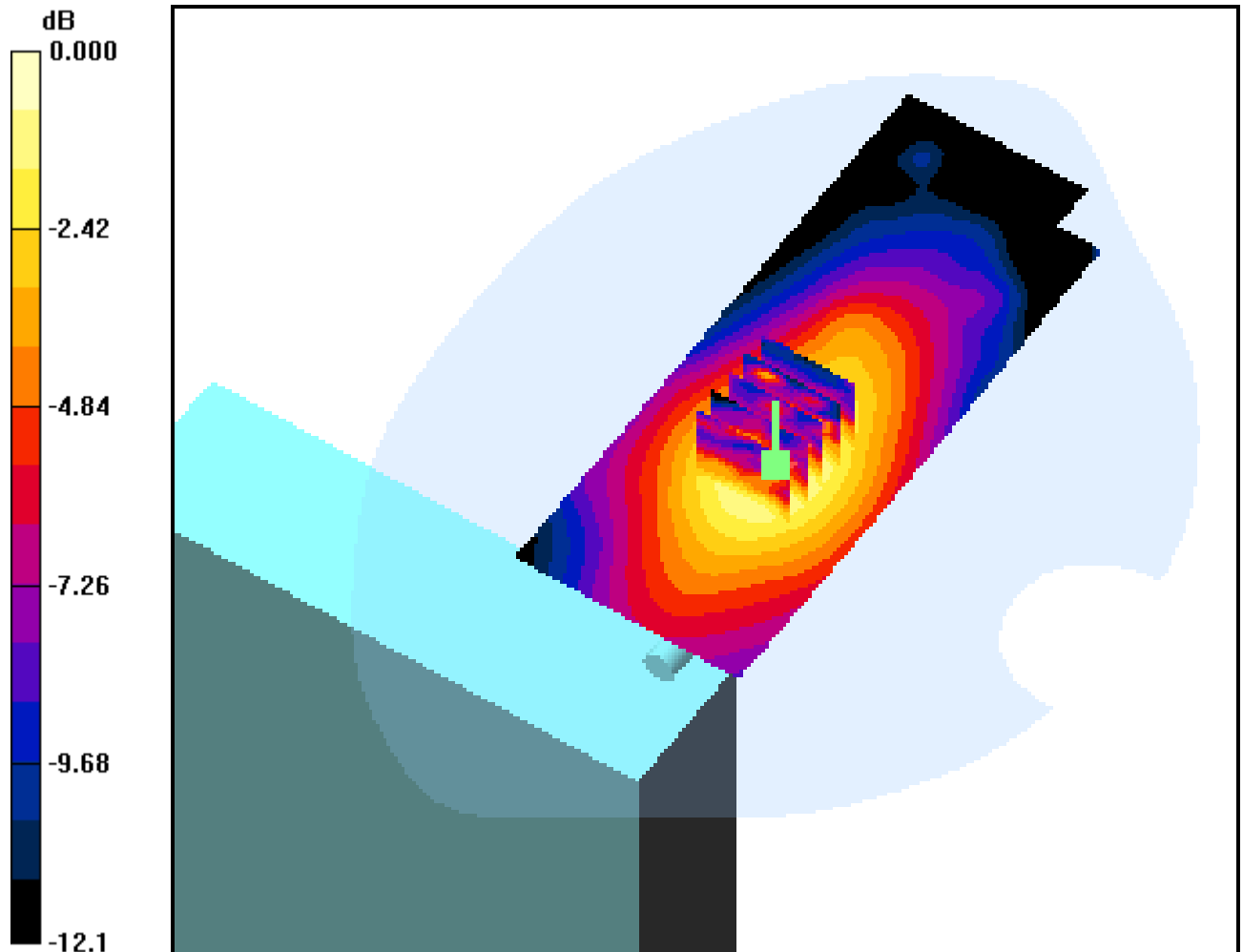
Area Scan (51x131x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

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

Power Drift = 0.022 dB

Peak SAR (extrapolated) = 0.176 W/kg

SAR(1 g) = 0.118 mW/g; SAR(10 g) = 0.079 mW/g



0 dB = 0.129mW/g

DIGITAL EMC CO., LTD

DUT: FX850P; Type: WLL

Communication System: PCS 1900; Frequency: 1909.8 MHz; Duty Cycle: 1:8.3
Medium parameters used: $f = 1909.8 \text{ MHz}$; $\sigma = 1.58 \text{ mho/m}$; $\epsilon_r = 51.3$; $\rho = 1000 \text{ kg/m}^3$
Phantom section: Flat Section

DASY4 Configuration:

Probe: ET3DV6 - SN1703; ConvF(4.72, 4.72, 4.72); Calibrated: 2006-09-20; Electronics: DAE3 Sn520
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: 2007-03-08; Ambient Temp: 20.5; Tissue Temp: 20.0

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

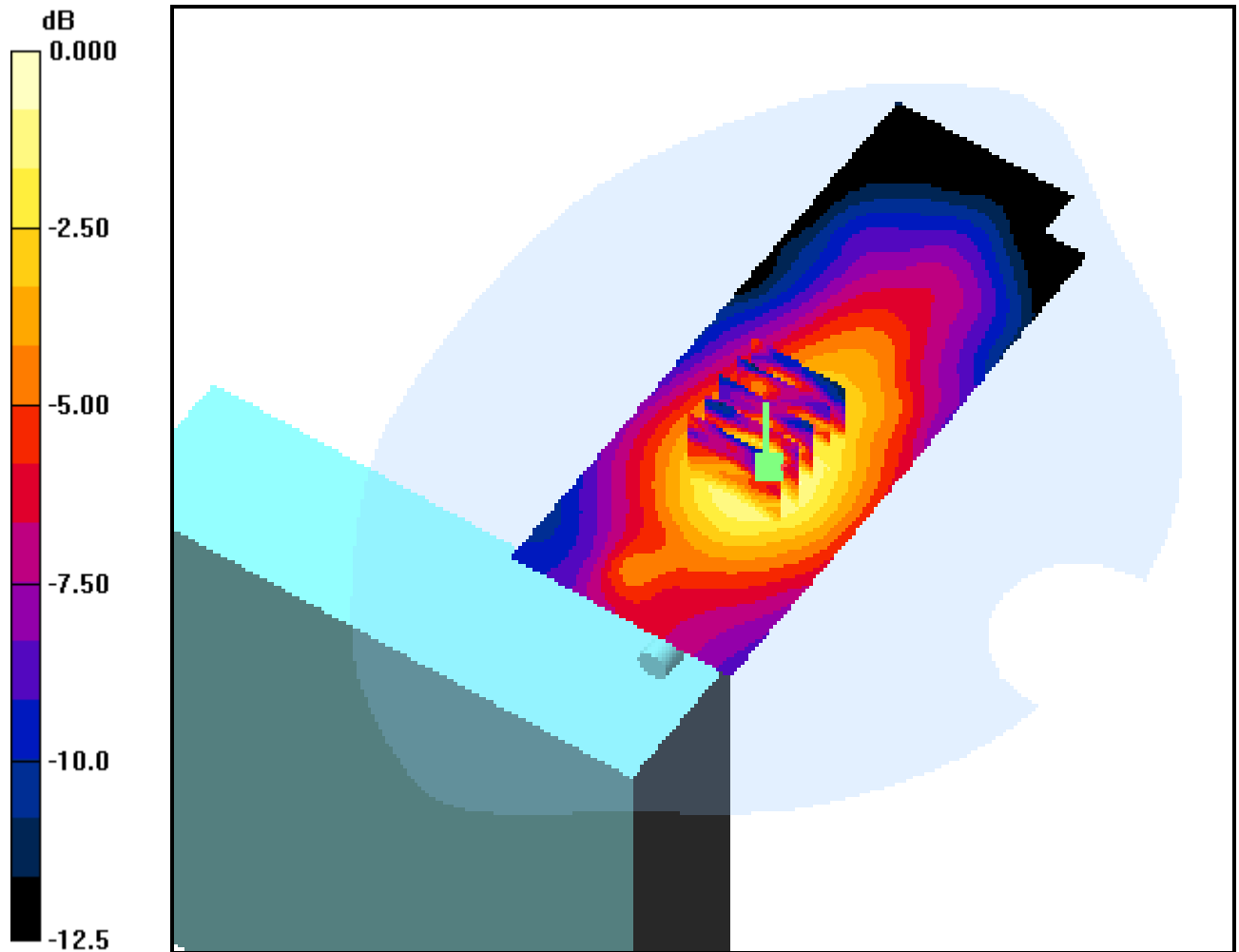
Area Scan (51x131x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

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

Power Drift = 0.033 dB

Peak SAR (extrapolated) = 0.109 W/kg

SAR(1 g) = 0.087 mW/g; SAR(10 g) = 0.054 mW/g



0 dB = 0.096mW/g

DIGITAL EMC CO., LTD

DUT: FX850P; Type: WLL

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

Medium parameters used: $f = 848.8 \text{ MHz}$; $\sigma = 1.02 \text{ mho/m}$; $\epsilon_r = 54.1$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

DASY4 Configuration:

Probe: ET3DV6 - SN1703; ConvF(6.29, 6.29, 6.29); Calibrated: 2006-09-20; Electronics: DAE3 Sn520

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: 2007-03-07; Ambient Temp: 20.5; Tissue Temp: 20.0

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

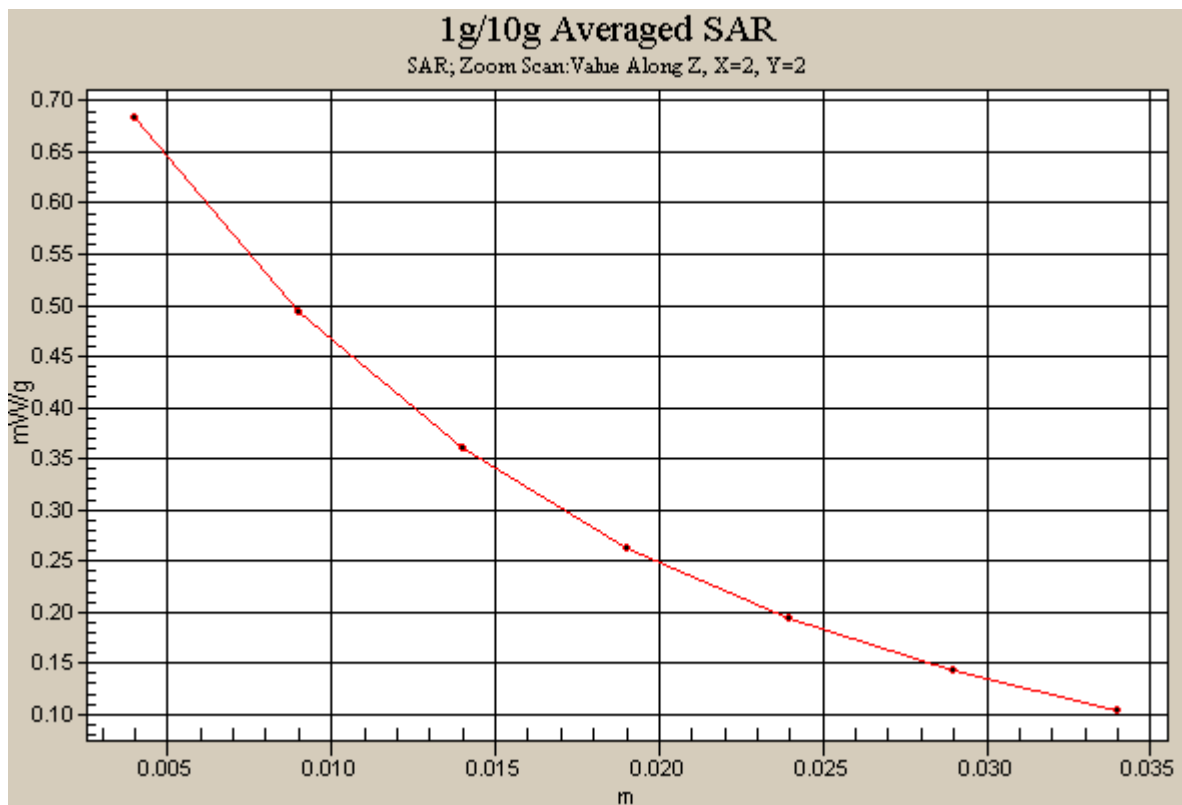
Area Scan (51x131x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

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) = 0.862 W/kg

SAR(1 g) = 0.641 mW/g; SAR(10 g) = 0.454 mW/g



DIGITAL EMC CO., LTD

DUT: FX850P; Type: WLL

Communication System: PCS 1900; Frequency: 1850.2 MHz; Duty Cycle: 1:8.3
Medium parameters used: $f = 1850.2 \text{ MHz}$; $\sigma = 1.51 \text{ mho/m}$; $\epsilon_r = 51.6$; $\rho = 1000 \text{ kg/m}^3$
Phantom section: Flat Section

DASY4 Configuration:

Probe: ET3DV6 - SN1703; ConvF(4.72, 4.72, 4.72); Calibrated: 2006-09-20; Electronics: DAE3 Sn520
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: 2007-03-08; Ambient Temp: 20.5; Tissue Temp: 20.0

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

Area Scan (51x131x1): 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 = -0.024 dB

Peak SAR (extrapolated) = 0.190 W/kg

SAR(1 g) = 0.127 mW/g; SAR(10 g) = 0.085 mW/g

