

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: $f = 835.036 \text{ MHz}$; $\sigma = 0.892 \text{ mho/m}$; $\epsilon_r = 41.8$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

DASY4 Configuration:

Probe: ET3DV6 - SN1703; ConvF(6.49, 6.49, 6.49); Calibrated: 2008-01-29; Electronics: DAE3 Sn479

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: 2008-12-02; Ambient Temp: 21.0; Tissue Temp: 20.8

Dipole Validation

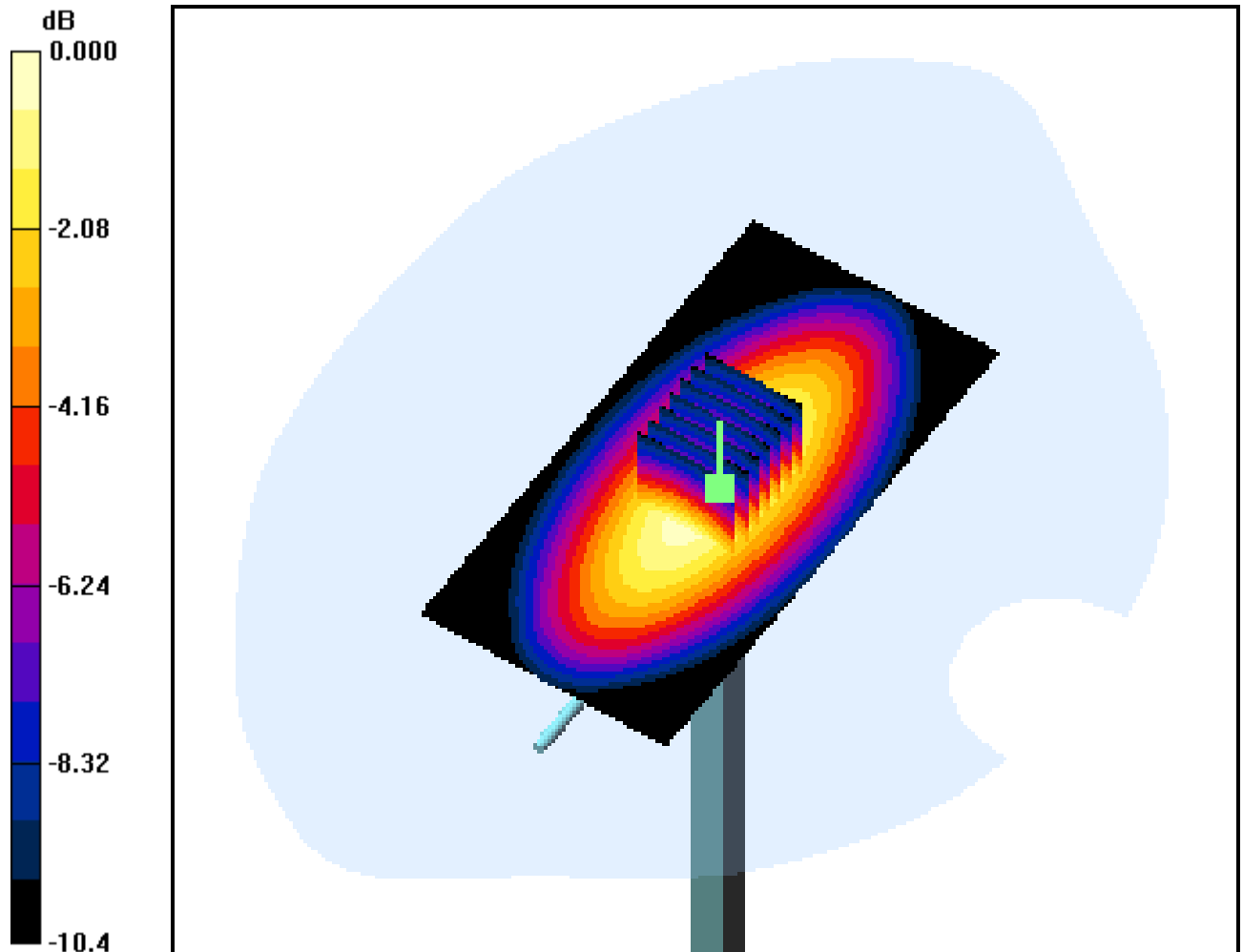
Area Scan (51x101x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

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

Reference Value = 55.3 V/m; Power Drift = 0.013 dB

Peak SAR (extrapolated) = 3.40 W/kg

SAR(1 g) = 2.34 mW/g; SAR(10 g) = 1.54 mW/g



0 dB = 2.53mW/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: $f = 1900 \text{ MHz}$; $\sigma = 1.4 \text{ mho/m}$; $\epsilon_r = 40$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

DASY4 Configuration:

Probe: ET3DV6 - SN1703; ConvF(5.19, 5.19, 5.19); Calibrated: 2008-01-29; Electronics: DAE3 Sn479

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: 2008-12-03; Ambient Temp: 21.0; Tissue Temp: 21.5

Dipole Validation

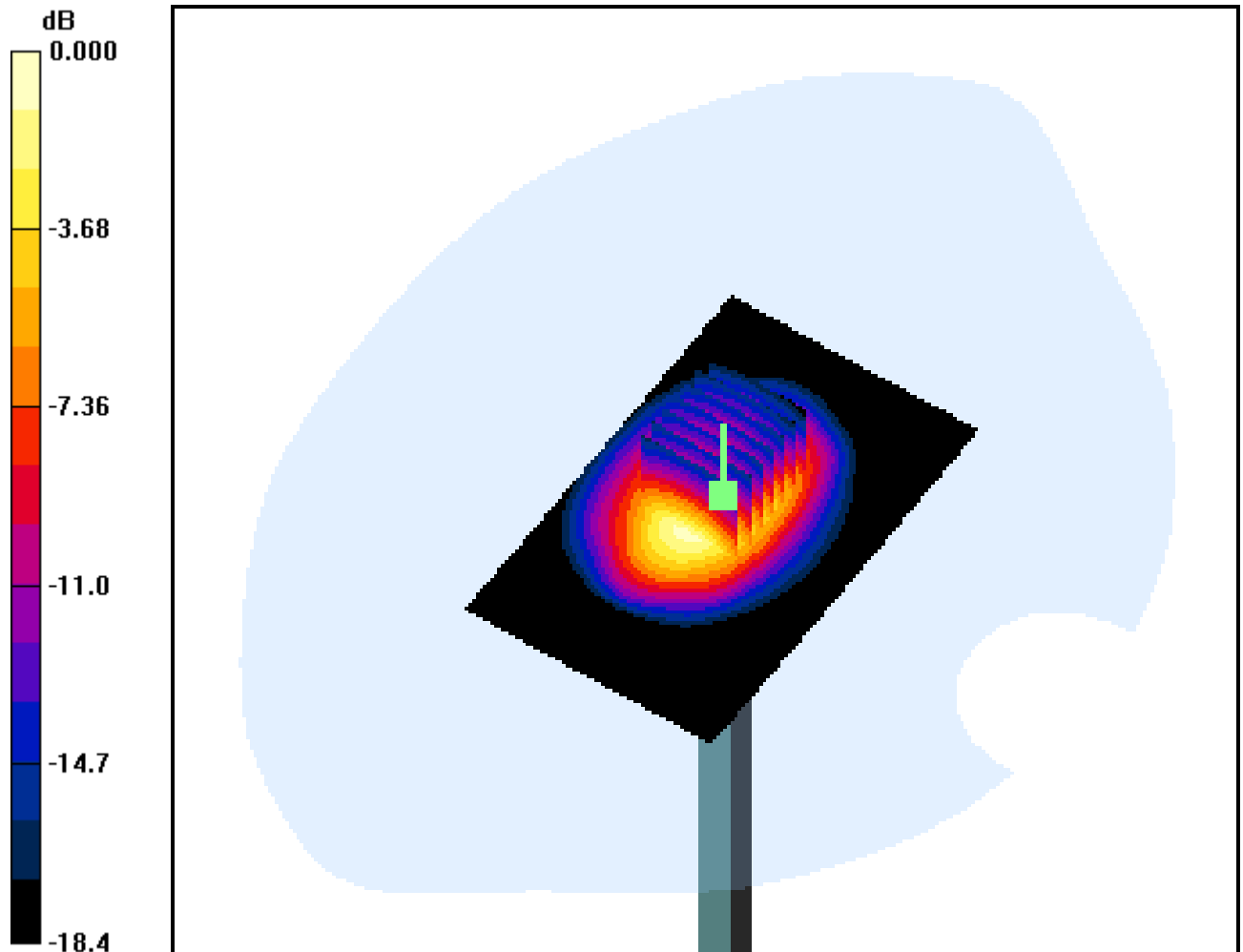
Area Scan (51x81x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

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

Reference Value = 92.2 V/m; Power Drift = 0.019 dB

Peak SAR (extrapolated) = 16.5 W/kg

SAR(1 g) = 9.47 mW/g; SAR(10 g) = 4.93 mW/g



0 dB = 10.7mW/g

DIGITAL EMC CO., LTD

DUT: S14; Type: Folder Type

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

Medium parameters used: $f = 824.2 \text{ MHz}$; $\sigma = 0.882 \text{ mho/m}$; $\epsilon_r = 41.9$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Right Section

DASY4 Configuration:

Probe: ET3DV6 - SN1703; ConvF(6.49, 6.49, 6.49); Calibrated: 2008-01-29; Electronics: DAE3 Sn479

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

Measurement SW: DASY4, V4.7 Build 55; Postprocessing SW: SEMCAD, V1.8 Build 176

Date: 2008-12-02; Ambient Temp: 21.0; Tissue Temp: 20.8

Right Touch, GSM Ch.128, Ant Internal, Standard Battery

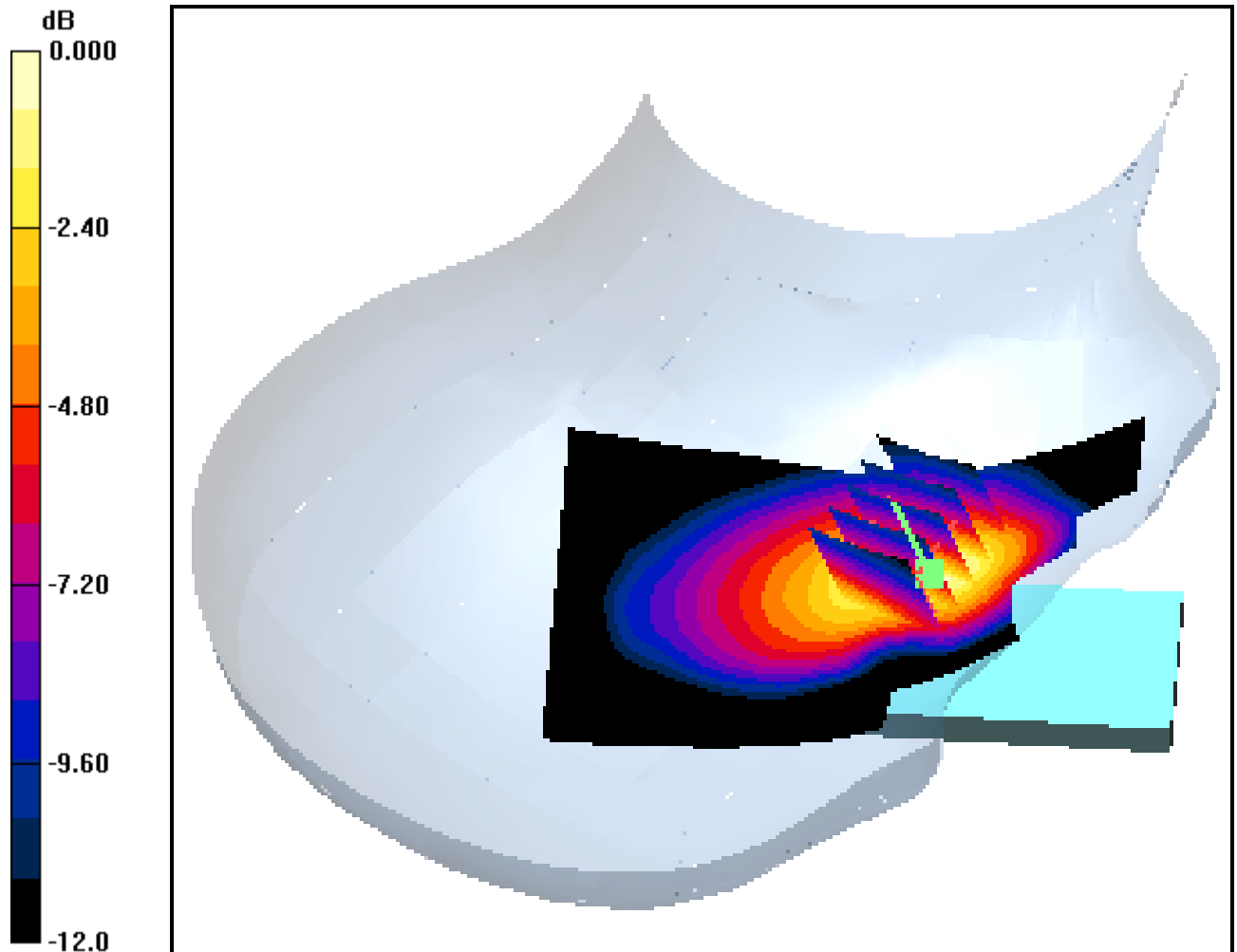
Area Scan (61x121x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

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

Reference Value = 8.17 V/m; Power Drift = -0.199 dB

Peak SAR (extrapolated) = 0.853 W/kg

SAR(1 g) = 0.522 mW/g; SAR(10 g) = 0.308 mW/g



0 dB = 0.585mW/g

DIGITAL EMC CO., LTD

DUT: S14; Type: Folder Type

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

Medium parameters used (interpolated): $f = 836.6$ MHz; $\sigma = 0.893$ mho/m; $\epsilon_r = 41.8$; $\rho = 1000$ kg/m³

Phantom section: Right Section

DASY4 Configuration:

Probe: ET3DV6 - SN1703; ConvF(6.49, 6.49, 6.49); Calibrated: 2008-01-29; Electronics: DAE3 Sn479

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

Measurement SW: DASY4, V4.7 Build 55; Postprocessing SW: SEMCAD, V1.8 Build 176

Date: 2008-12-02; Ambient Temp: 21.0; Tissue Temp: 20.8

Right Touch, GSM Ch.190, Ant Internal, Standard Battery

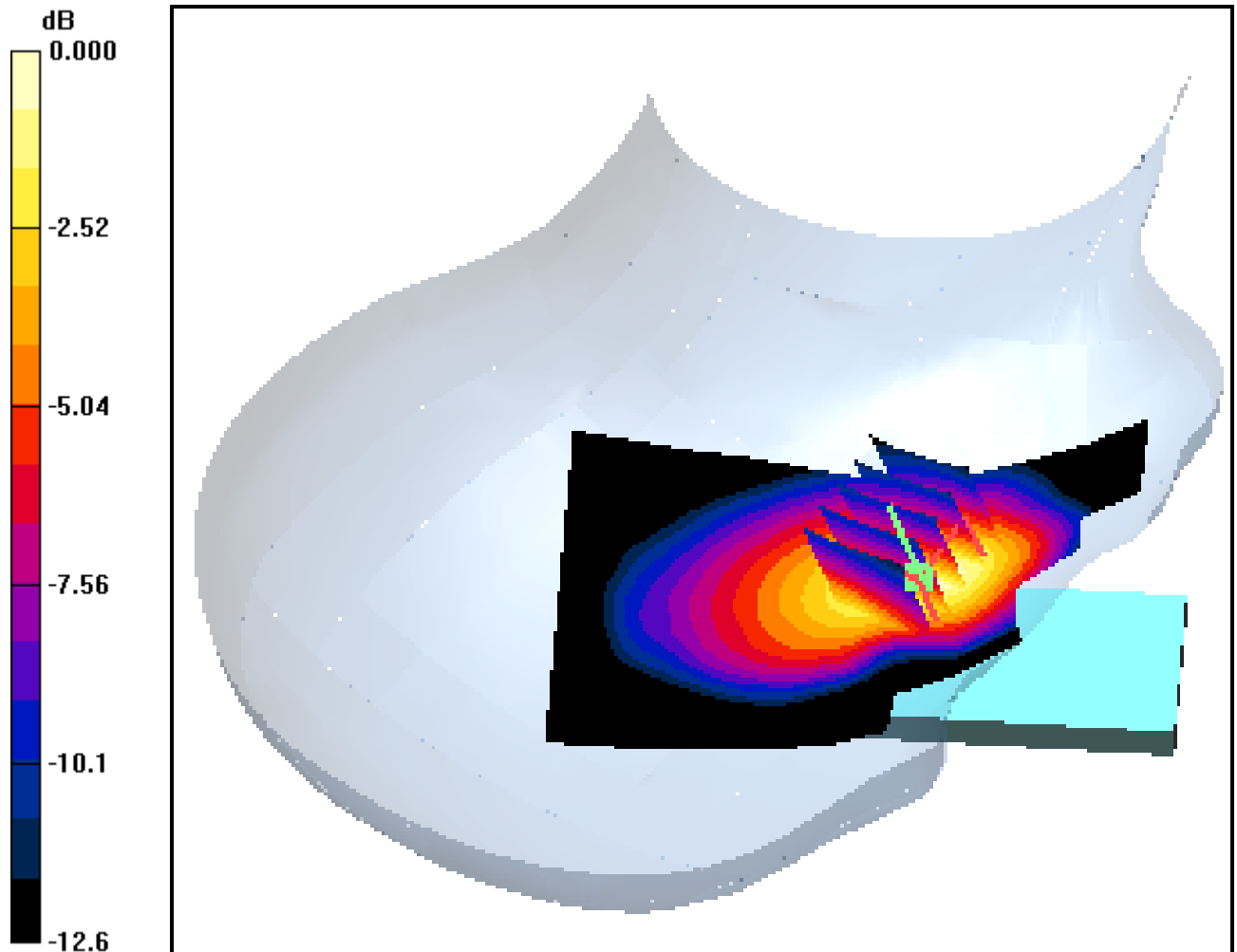
Area Scan (61x121x1): Measurement grid: dx=15mm, dy=15mm

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

Reference Value = 8.37 V/m; Power Drift = -0.071 dB

Peak SAR (extrapolated) = 0.999 W/kg

SAR(1 g) = 0.598 mW/g; SAR(10 g) = 0.351 mW/g



0 dB = 0.664mW/g

DIGITAL EMC CO., LTD

DUT: S14; Type: Folder Type

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

Medium parameters used (interpolated): $f = 848.8$ MHz; $\sigma = 0.907$ mho/m; $\epsilon_r = 41.7$; $\rho = 1000$ kg/m³

Phantom section: Right Section

DASY4 Configuration:

Probe: ET3DV6 - SN1703; ConvF(6.49, 6.49, 6.49); Calibrated: 2008-01-29; Electronics: DAE3 Sn479

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

Measurement SW: DASY4, V4.7 Build 55; Postprocessing SW: SEMCAD, V1.8 Build 176

Date: 2008-12-02; Ambient Temp: 21.0; Tissue Temp: 20.8

Right Touch, GSM Ch.251, Ant Internal, Standard Battery

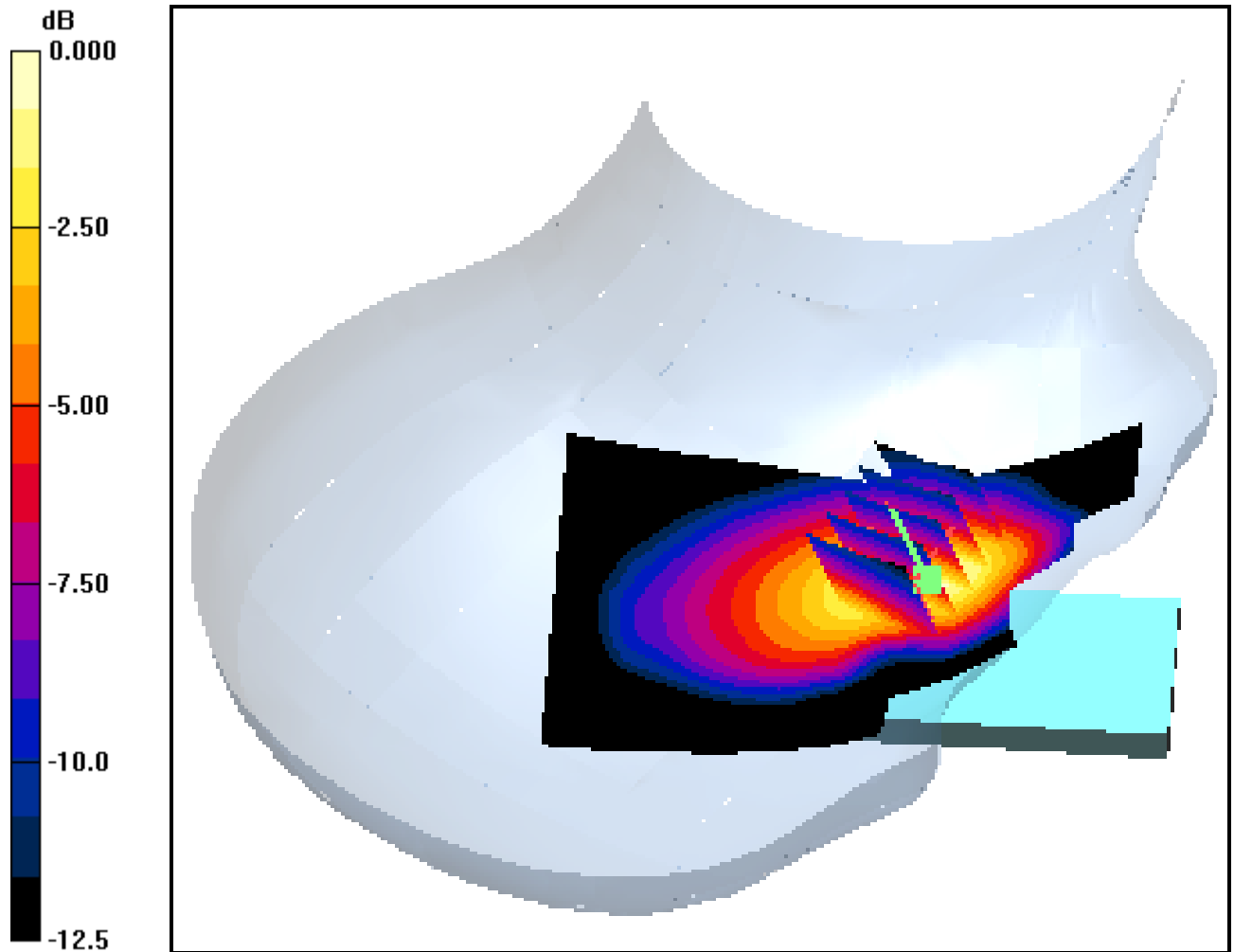
Area Scan (61x121x1): Measurement grid: dx=15mm, dy=15mm

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

Reference Value = 8.92 V/m; Power Drift = -0.063 dB

Peak SAR (extrapolated) = 1.11 W/kg

SAR(1 g) = 0.669 mW/g; SAR(10 g) = 0.391 mW/g



0 dB = 0.751mW/g

DIGITAL EMC CO., LTD

DUT: S14; Type: Folder Type

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

Medium parameters used (interpolated): $f = 836.6$ MHz; $\sigma = 0.893$ mho/m; $\epsilon_r = 41.8$; $\rho = 1000$ kg/m³

Phantom section: Right Section

DASY4 Configuration:

Probe: ET3DV6 - SN1703; ConvF(6.49, 6.49, 6.49); Calibrated: 2008-01-29; Electronics: DAE3 Sn479

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

Measurement SW: DASY4, V4.7 Build 55; Postprocessing SW: SEMCAD, V1.8 Build 176

Date: 2008-12-02; Ambient Temp: 21.0; Tissue Temp: 20.8

Right Tilt, GSM Ch.190, Ant Internal, Standard Battery

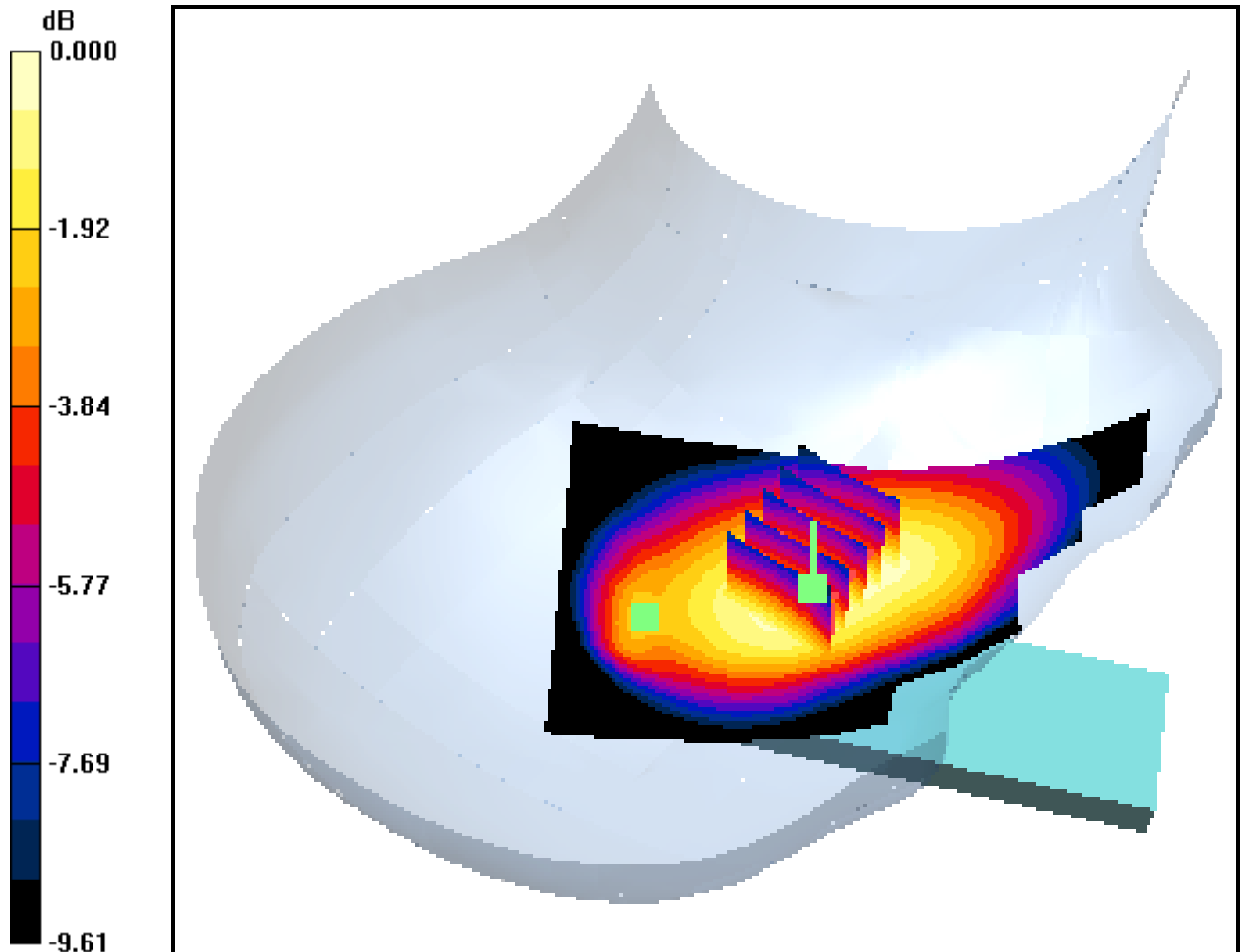
Area Scan (61x121x1): Measurement grid: dx=15mm, dy=15mm

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

Reference Value = 9.35 V/m; Power Drift = -0.131 dB

Peak SAR (extrapolated) = 0.191 W/kg

SAR(1 g) = 0.154 mW/g; SAR(10 g) = 0.113 mW/g



0 dB = 0.162mW/g

DIGITAL EMC CO., LTD

DUT: S14; Type: Folder Type

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

Medium parameters used (interpolated): $f = 836.6$ MHz; $\sigma = 0.893$ mho/m; $\epsilon_r = 41.8$; $\rho = 1000$ kg/m³

Phantom section: Right Section

DASY4 Configuration:

Probe: ET3DV6 - SN1703; ConvF(6.49, 6.49, 6.49); Calibrated: 2008-01-29; Electronics: DAE3 Sn479

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

Measurement SW: DASY4, V4.7 Build 55; Postprocessing SW: SEMCAD, V1.8 Build 176

Date: 2008-12-02; Ambient Temp: 21.0; Tissue Temp: 20.8

Right Tilt, GSM Ch.190, Ant Internal, Standard Battery

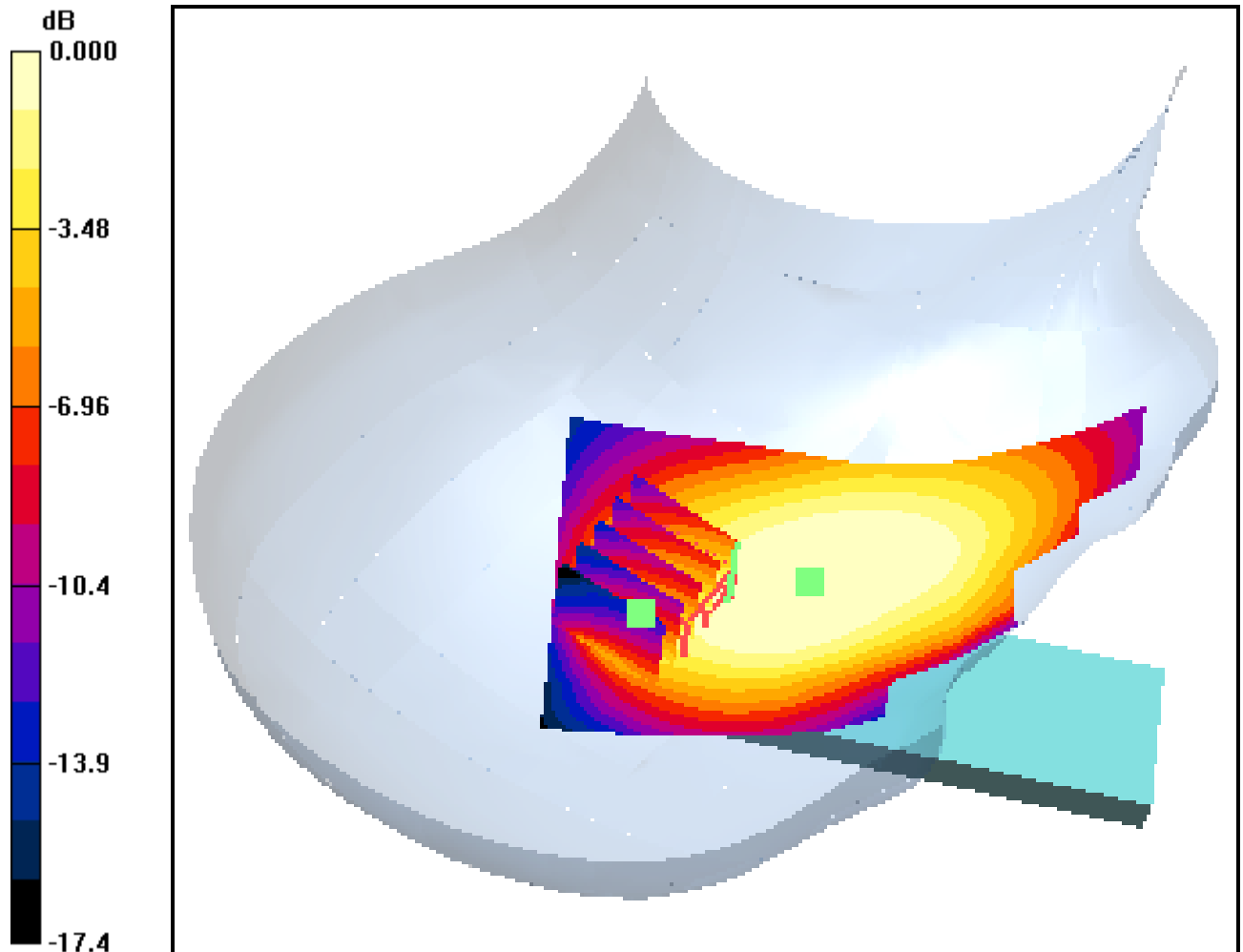
Area Scan (61x121x1): Measurement grid: dx=15mm, dy=15mm

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

Reference Value = 9.35 V/m; Power Drift = -0.131 dB

Peak SAR (extrapolated) = 0.156 W/kg

SAR(1 g) = 0.109 mW/g; SAR(10 g) = 0.067 mW/g



0 dB = 0.132mW/g

DIGITAL EMC CO., LTD

DUT: S14; Type: Folder Type

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

Medium parameters used: $f = 824.2 \text{ MHz}$; $\sigma = 0.882 \text{ mho/m}$; $\epsilon_r = 41.9$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Left Section

DASY4 Configuration:

Probe: ET3DV6 - SN1703; ConvF(6.49, 6.49, 6.49); Calibrated: 2008-01-29; Electronics: DAE3 Sn479

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

Measurement SW: DASY4, V4.7 Build 55; Postprocessing SW: SEMCAD, V1.8 Build 176

Date: 2008-12-02; Ambient Temp: 21.0; Tissue Temp: 20.8

Left Touch, GSM Ch.128, Ant Internal, Standard Battery

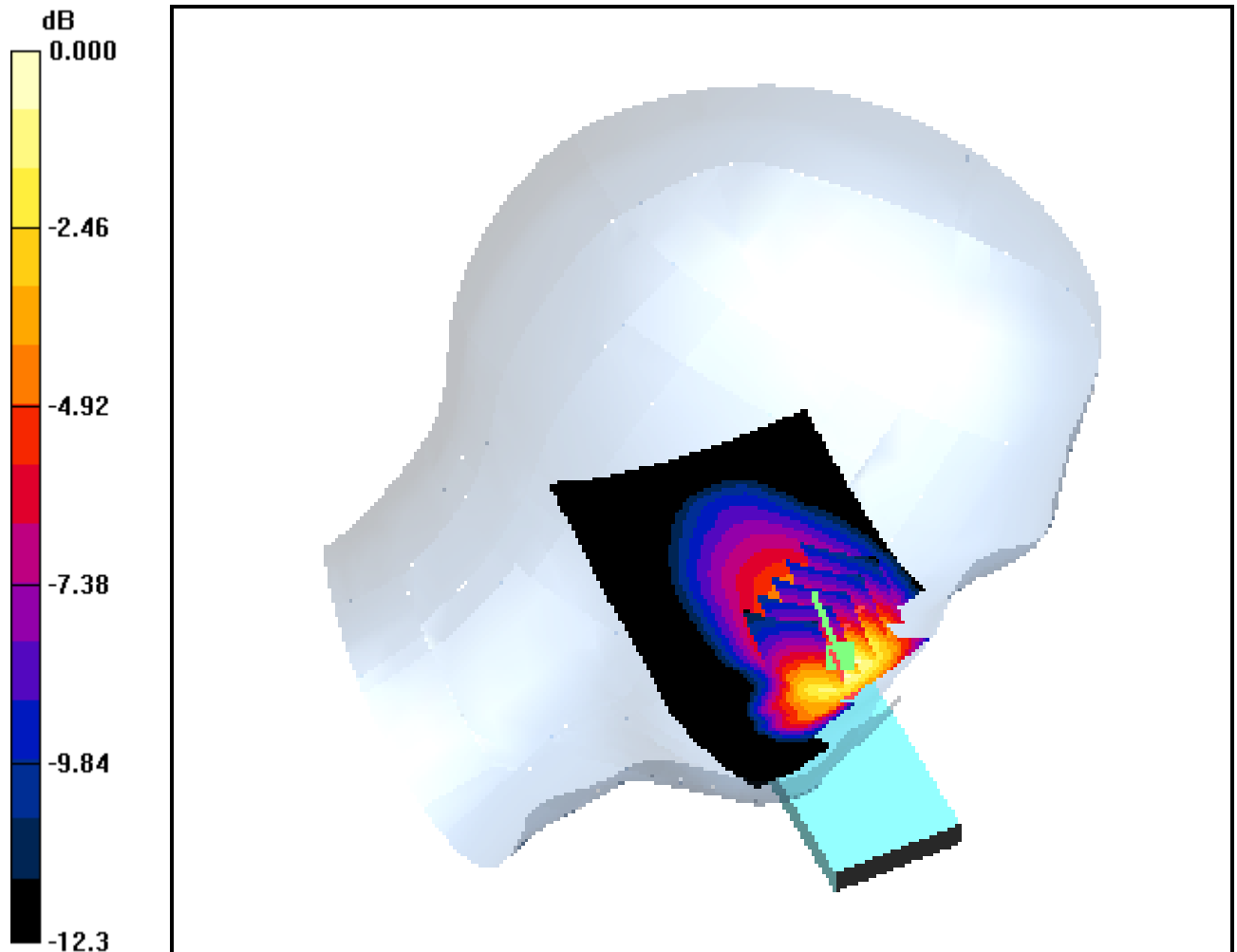
Area Scan (61x121x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

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

Reference Value = 7.09 V/m; Power Drift = -0.071 dB

Peak SAR (extrapolated) = 0.736 W/kg

SAR(1 g) = 0.472 mW/g; SAR(10 g) = 0.294 mW/g



0 dB = 0.511mW/g

DIGITAL EMC CO., LTD

DUT: S14; Type: Folder Type

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

Medium parameters used (interpolated): $f = 836.6$ MHz; $\sigma = 0.893$ mho/m; $\epsilon_r = 41.8$; $\rho = 1000$ kg/m³

Phantom section: Left Section

DASY4 Configuration:

Probe: ET3DV6 - SN1703; ConvF(6.49, 6.49, 6.49); Calibrated: 2008-01-29; Electronics: DAE3 Sn479

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

Measurement SW: DASY4, V4.7 Build 55; Postprocessing SW: SEMCAD, V1.8 Build 176

Date: 2008-12-02; Ambient Temp: 21.0; Tissue Temp: 20.8

Left Touch, GSM Ch.190, Ant Internal, Standard Battery

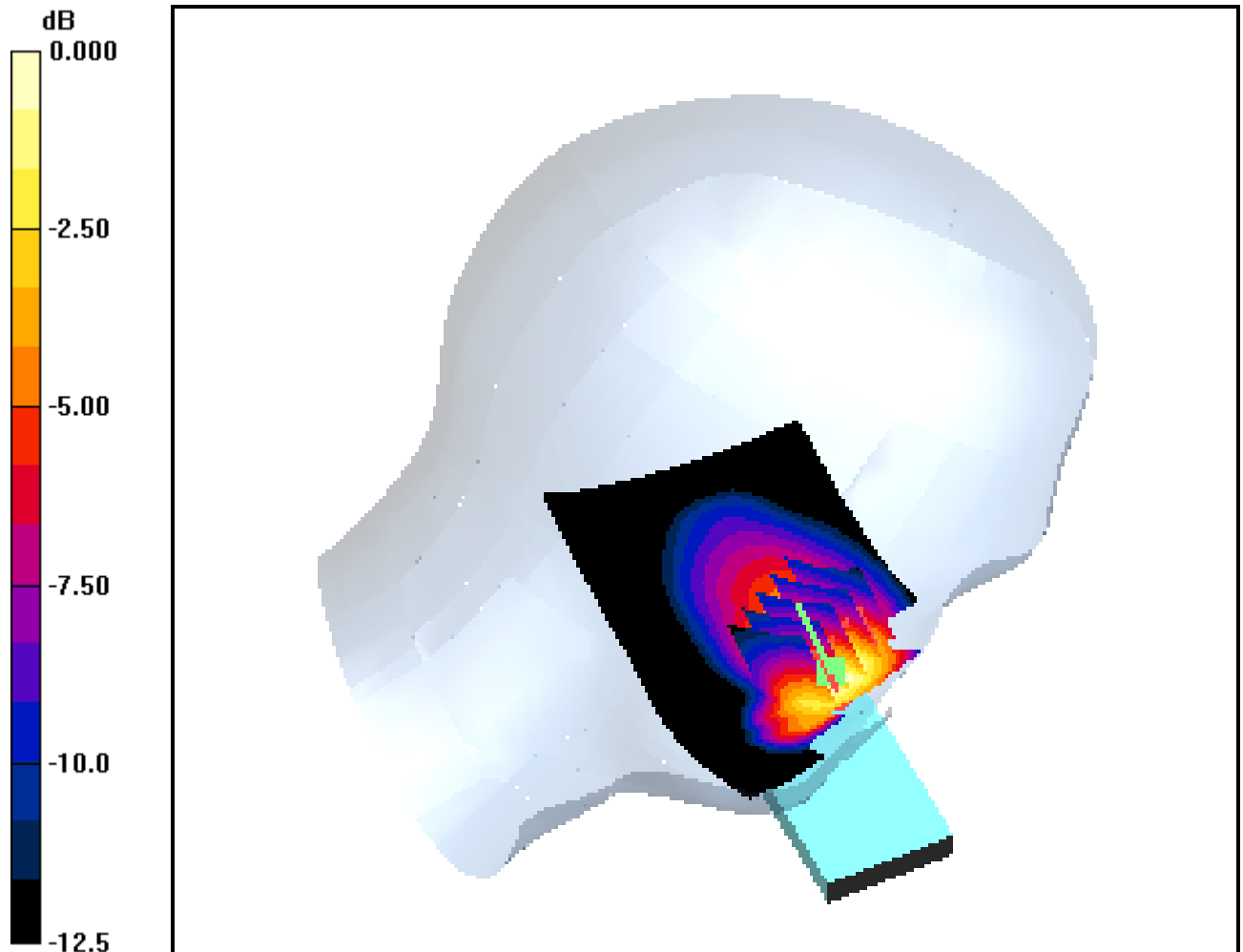
Area Scan (61x121x1): Measurement grid: dx=15mm, dy=15mm

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

Reference Value = 7.28 V/m; Power Drift = -0.061 dB

Peak SAR (extrapolated) = 0.826 W/kg

SAR(1 g) = 0.531 mW/g; SAR(10 g) = 0.328 mW/g



0 dB = 0.576mW/g

DIGITAL EMC CO., LTD

DUT: S14; Type: Folder Type

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

Medium parameters used (interpolated): $f = 848.8$ MHz; $\sigma = 0.907$ mho/m; $\epsilon_r = 41.7$; $\rho = 1000$ kg/m³

Phantom section: Left Section

DASY4 Configuration:

Probe: ET3DV6 - SN1703; ConvF(6.49, 6.49, 6.49); Calibrated: 2008-01-29; Electronics: DAE3 Sn479

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

Measurement SW: DASY4, V4.7 Build 55; Postprocessing SW: SEMCAD, V1.8 Build 176

Date: 2008-12-02; Ambient Temp: 21.0; Tissue Temp: 20.8

Left Touch, GSM Ch.251, Ant Internal, Standard Battery

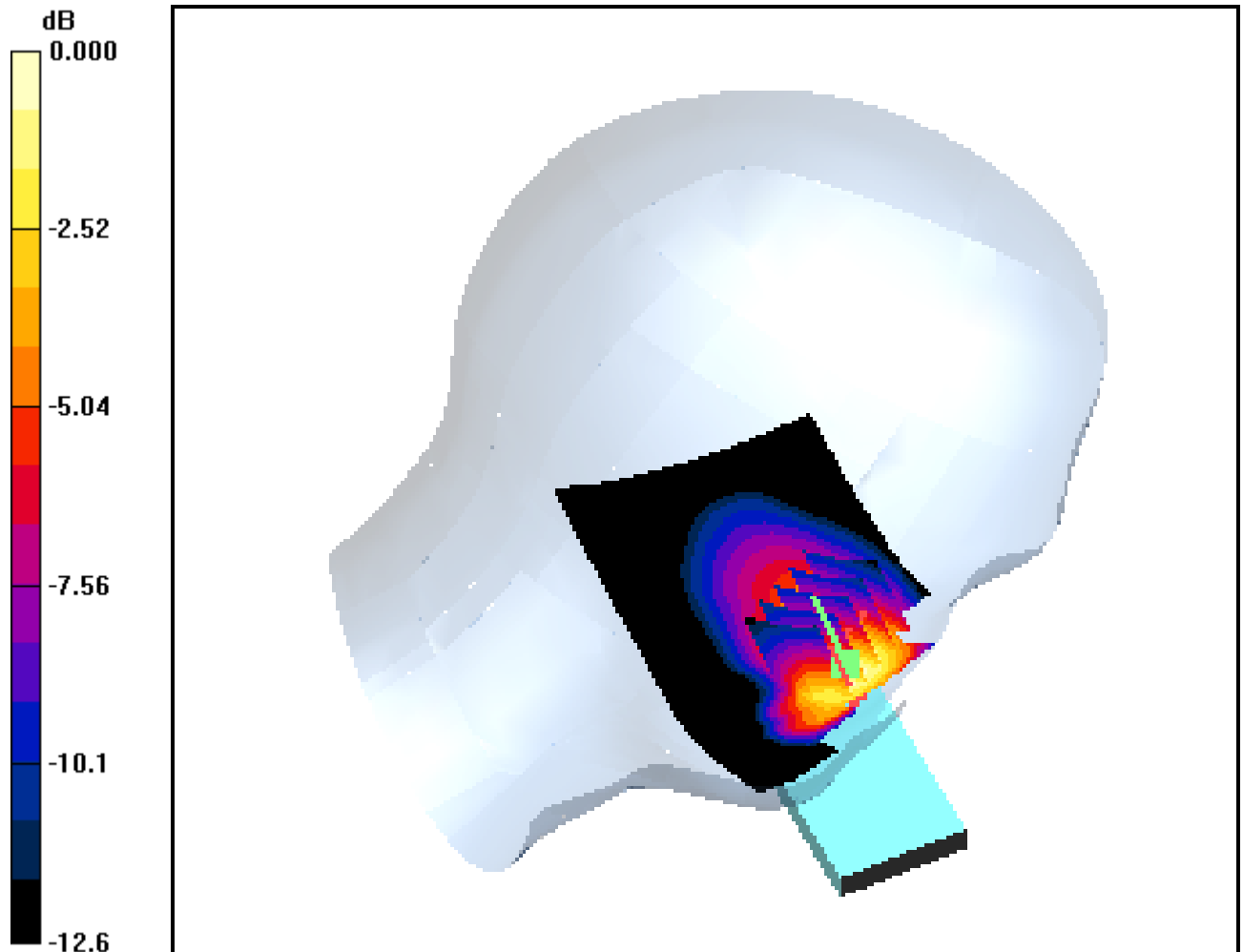
Area Scan (61x121x1): Measurement grid: dx=15mm, dy=15mm

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

Reference Value = 6.90 V/m; Power Drift = -0.032 dB

Peak SAR (extrapolated) = 0.988 W/kg

SAR(1 g) = 0.632 mW/g; SAR(10 g) = 0.390 mW/g



0 dB = 0.684mW/g

DIGITAL EMC CO., LTD

DUT: S14; Type: Folder Type

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

Medium parameters used (interpolated): $f = 836.6$ MHz; $\sigma = 0.893$ mho/m; $\epsilon_r = 41.8$; $\rho = 1000$ kg/m³

Phantom section: Left Section

DASY4 Configuration:

Probe: ET3DV6 - SN1703; ConvF(6.49, 6.49, 6.49); Calibrated: 2008-01-29; Electronics: DAE3 Sn479

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

Measurement SW: DASY4, V4.7 Build 55; Postprocessing SW: SEMCAD, V1.8 Build 176

Date: 2008-12-02; Ambient Temp: 21.0; Tissue Temp: 20.8

Left Tilt, GSM Ch.190, Ant Internal, Standard Battery

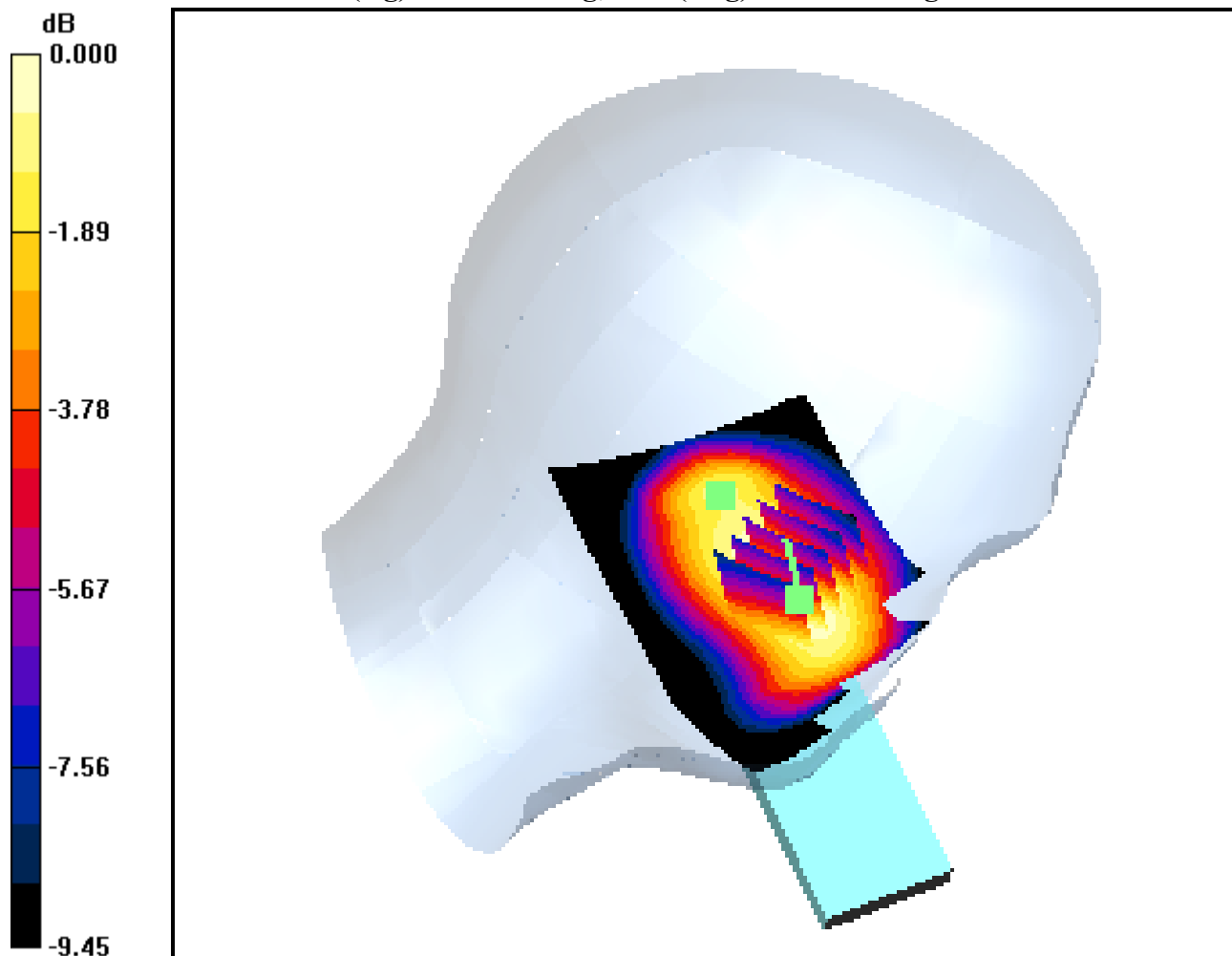
Area Scan (61x121x1): Measurement grid: dx=15mm, dy=15mm

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

Reference Value = 10.8 V/m; Power Drift = 0.065 dB

Peak SAR (extrapolated) = 0.192 W/kg

SAR(1 g) = 0.150 mW/g; SAR(10 g) = 0.110 mW/g



0 dB = 0.160mW/g

DIGITAL EMC CO., LTD

DUT: S14; Type: Folder Type

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

Medium parameters used (interpolated): $f = 836.6$ MHz; $\sigma = 0.893$ mho/m; $\epsilon_r = 41.8$; $\rho = 1000$ kg/m³

Phantom section: Left Section

DASY4 Configuration:

Probe: ET3DV6 - SN1703; ConvF(6.49, 6.49, 6.49); Calibrated: 2008-01-29; Electronics: DAE3 Sn479

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

Measurement SW: DASY4, V4.7 Build 55; Postprocessing SW: SEMCAD, V1.8 Build 176

Date: 2008-12-02; Ambient Temp: 21.0; Tissue Temp: 20.8

Left Tilt, GSM Ch.190, Ant Internal, Standard Battery

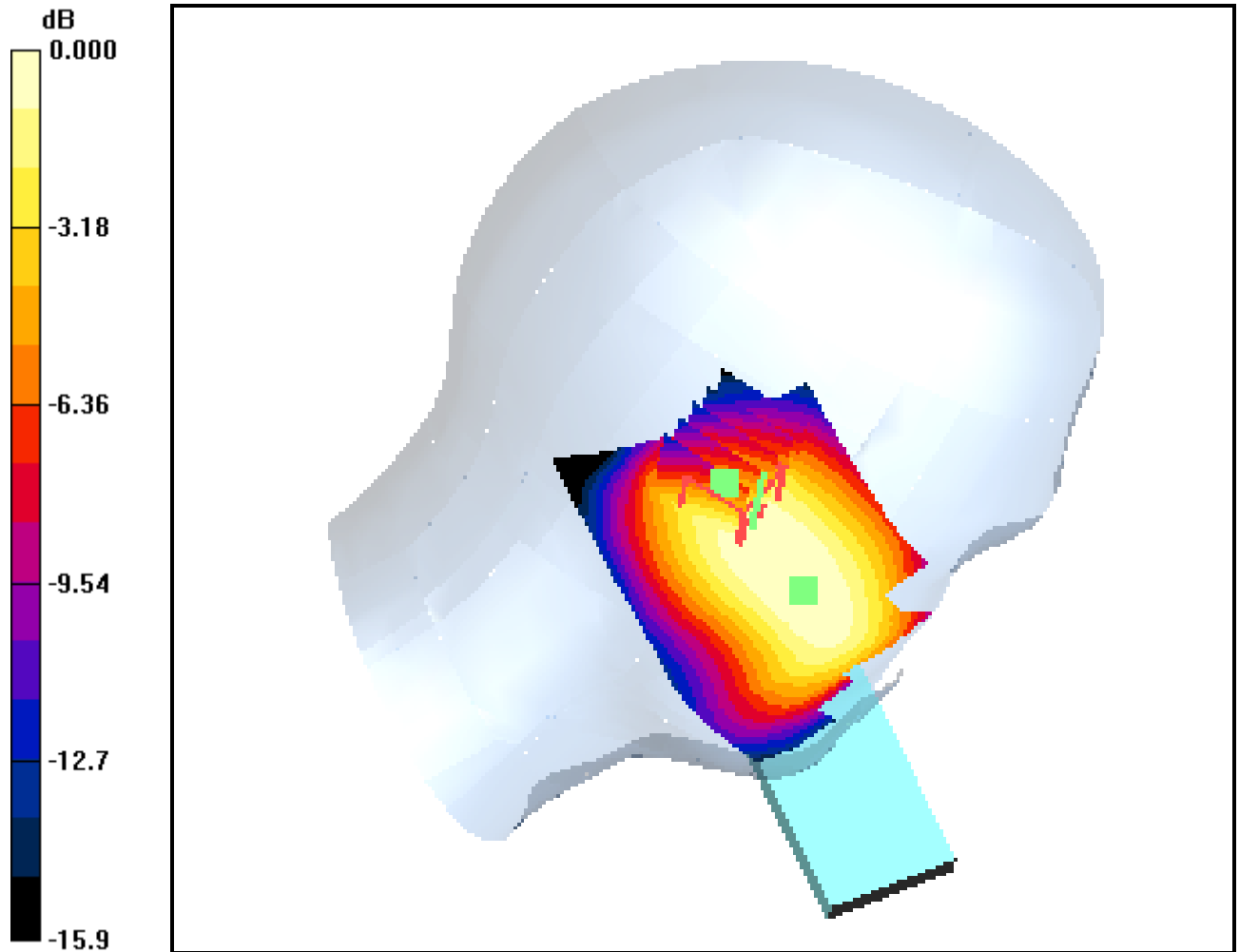
Area Scan (61x121x1): Measurement grid: dx=15mm, dy=15mm

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

Reference Value = 10.8 V/m; Power Drift = 0.065 dB

Peak SAR (extrapolated) = 0.190 W/kg

SAR(1 g) = 0.132 mW/g; SAR(10 g) = 0.087 mW/g



0 dB = 0.150mW/g

DIGITAL EMC CO., LTD

DUT: S14; Type: Folder Type

Communication System: GSM 850; Frequency: 824.2 MHz; Duty Cycle: 1:4.15

Medium parameters used (interpolated): $f = 824.2$ MHz; $\sigma = 0.982$ mho/m; $\epsilon_r = 54.9$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY4 Configuration:

Probe: ET3DV6 - SN1703; ConvF(6.16, 6.16, 6.16); Calibrated: 2008-01-29; Electronics: DAE3 Sn479

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: 2008-12-02; Ambient Temp: 21.0; Tissue Temp: 20.8

1.5cm from Body, GSM Ch.128, Ant Internal, GPRS Class 10 Mode

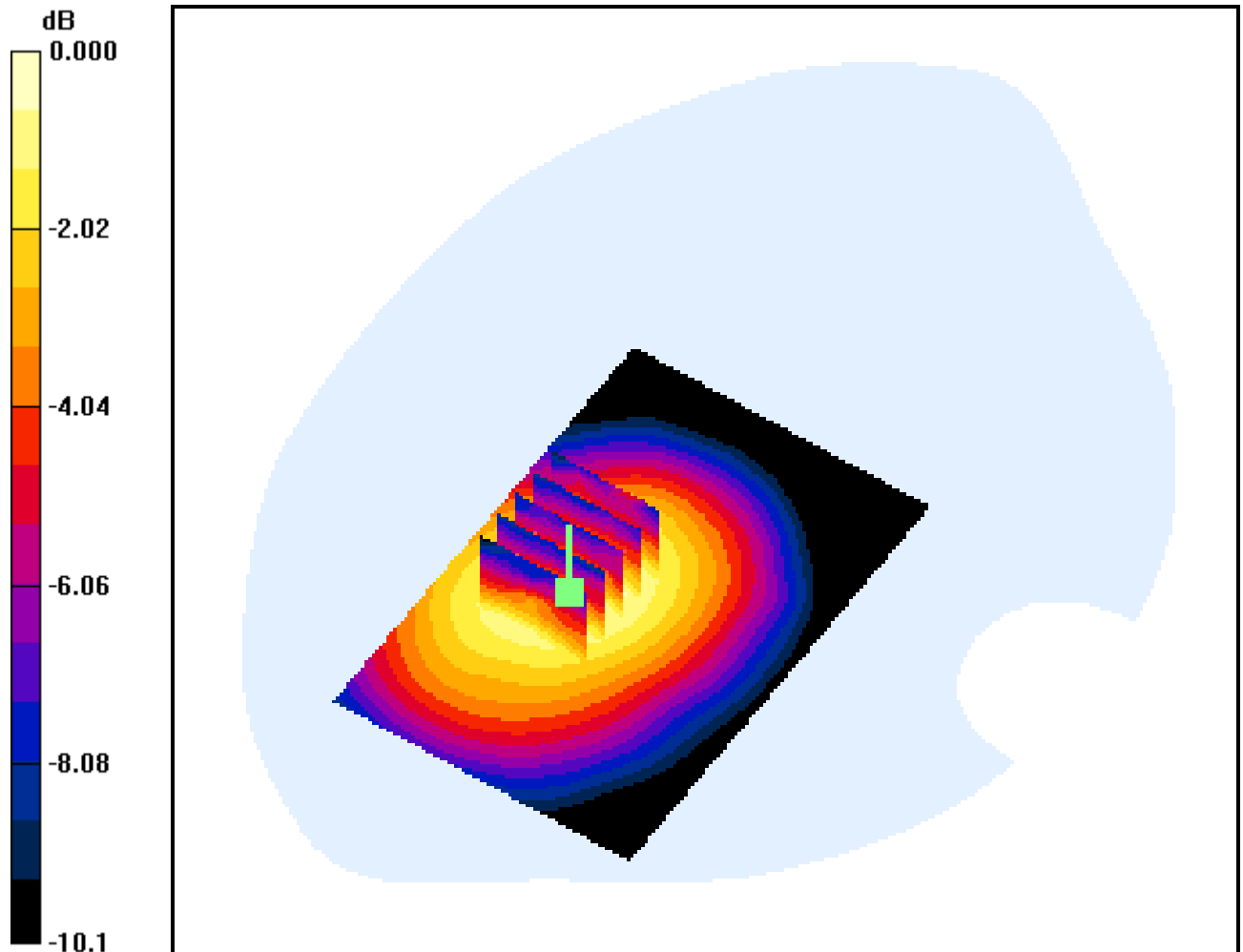
Area Scan (61x91x1): Measurement grid: dx=15mm, dy=15mm

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

Reference Value = 2.77 V/m; Power Drift = -0.061 dB

Peak SAR (extrapolated) = 0.034 W/kg

SAR(1 g) = 0.026 mW/g; SAR(10 g) = 0.019 mW/g



0 dB = 0.028mW/g

DIGITAL EMC CO., LTD

DUT: S14; Type: Folder Type

Communication System: GSM 850; Frequency: 836.6 MHz; Duty Cycle: 1:4.15
Medium parameters used: $f = 836.667$ MHz; $\sigma = 0.991$ mho/m; $\epsilon_r = 54.7$; $\rho = 1000$ kg/m³
Phantom section: Flat Section

DASY4 Configuration:

Probe: ET3DV6 - SN1703; ConvF(6.16, 6.16, 6.16); Calibrated: 2008-01-29; Electronics: DAE3 Sn479
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: 2008-12-02; Ambient Temp: 21.0; Tissue Temp: 20.8

1.5cm from Body, GSM Ch.190, Ant Internal, GPRS Class 10 Mode

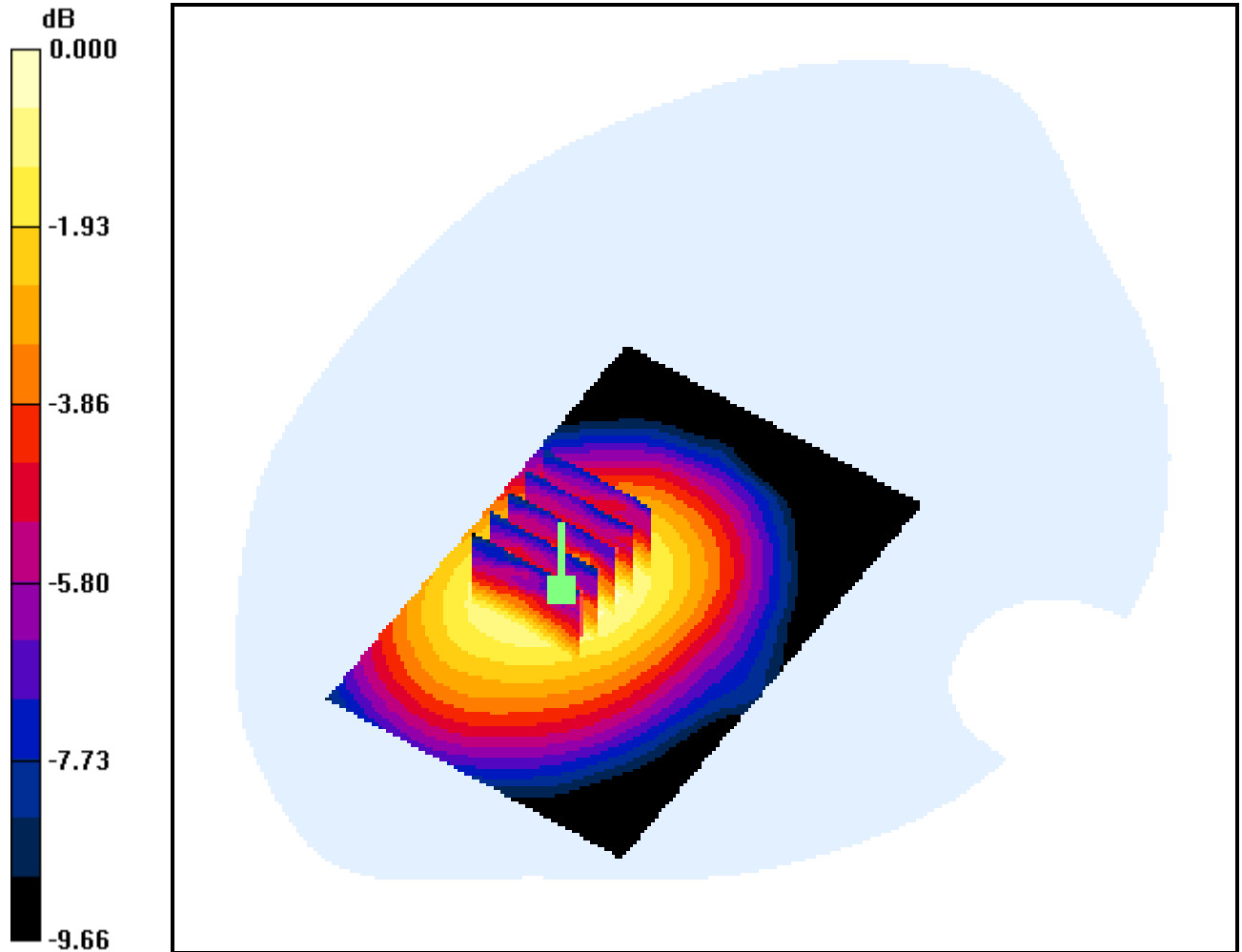
Area Scan (61x91x1): Measurement grid: dx=15mm, dy=15mm

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

Reference Value = 2.86 V/m; Power Drift = -0.100 dB

Peak SAR (extrapolated) = 0.035 W/kg

SAR(1 g) = 0.027 mW/g; SAR(10 g) = 0.019 mW/g



0 dB = 0.028mW/g

DIGITAL EMC CO., LTD

DUT: S14; Type: Folder Type

Communication System: GSM 850; Frequency: 848.8 MHz; Duty Cycle: 1:4.15
Medium parameters used: $f = 848.833 \text{ MHz}$; $\sigma = 1 \text{ mho/m}$; $\epsilon_r = 54.6$; $\rho = 1000 \text{ kg/m}^3$
Phantom section: Flat Section

DASY4 Configuration:

Probe: ET3DV6 - SN1703; ConvF(6.16, 6.16, 6.16); Calibrated: 2008-01-29; Electronics: DAE3 Sn479
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: 2008-12-02; Ambient Temp: 21.0; Tissue Temp: 20.8

1.5cm from Body, GSM Ch.251, Ant Internal, GPRS Class 10 Mode

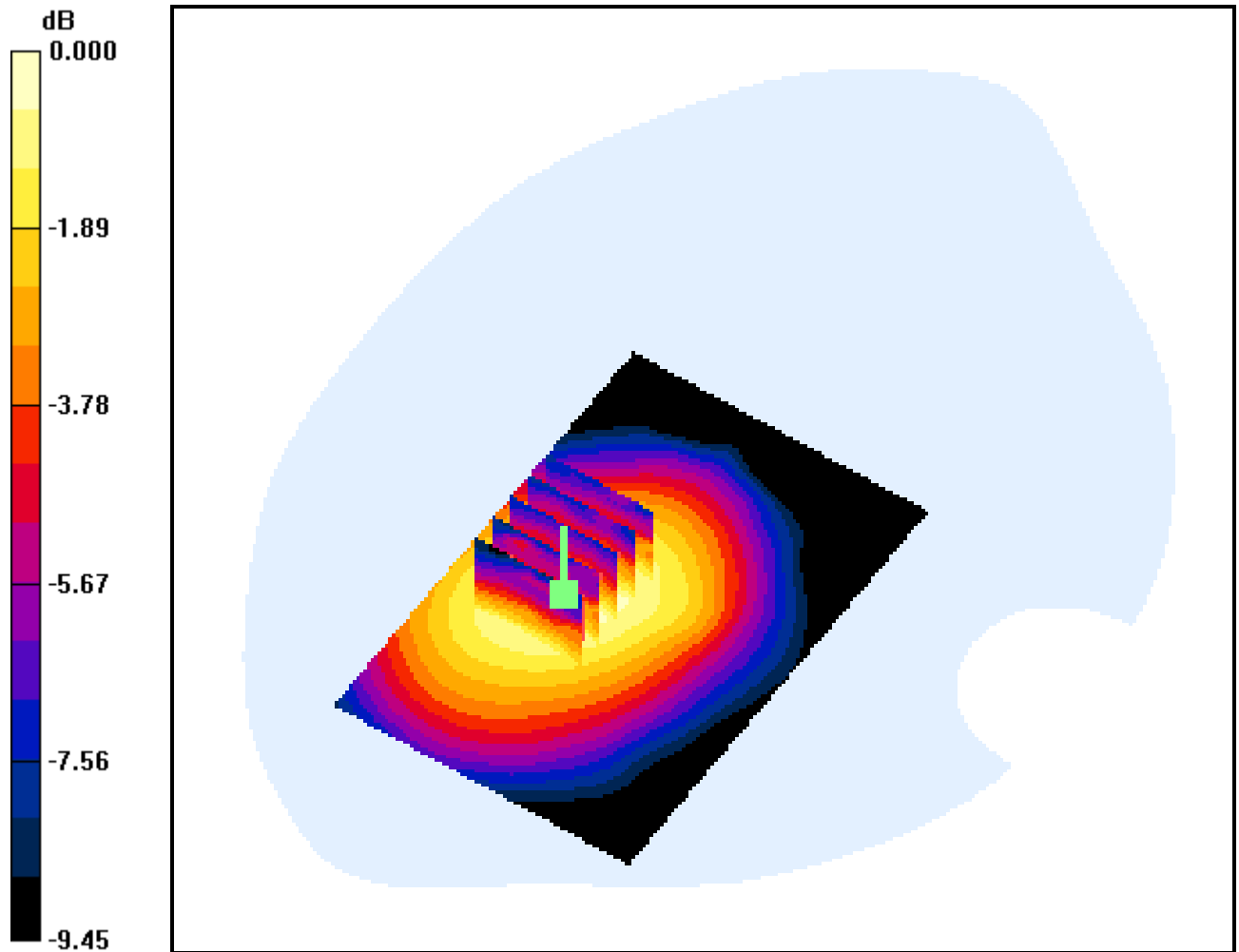
Area Scan (61x91x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

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

Reference Value = 2.80 V/m; Power Drift = -0.283 dB

Peak SAR (extrapolated) = 0.033 W/kg

SAR(1 g) = 0.026 mW/g; SAR(10 g) = 0.019 mW/g



0 dB = 0.027mW/g

DIGITAL EMC CO., LTD

DUT: S14; Type: Folder Type

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

Medium parameters used: $f = 836.667$ MHz; $\sigma = 0.991$ mho/m; $\epsilon_r = 54.7$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY4 Configuration:

Probe: ET3DV6 - SN1703; ConvF(6.16, 6.16, 6.16); Calibrated: 2008-01-29; Electronics: DAE3 Sn479

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: 2008-12-02; Ambient Temp: 21.0; Tissue Temp: 20.8

1.5cm from Body, GSM Ch.190, Ant Internal, Standard Battery

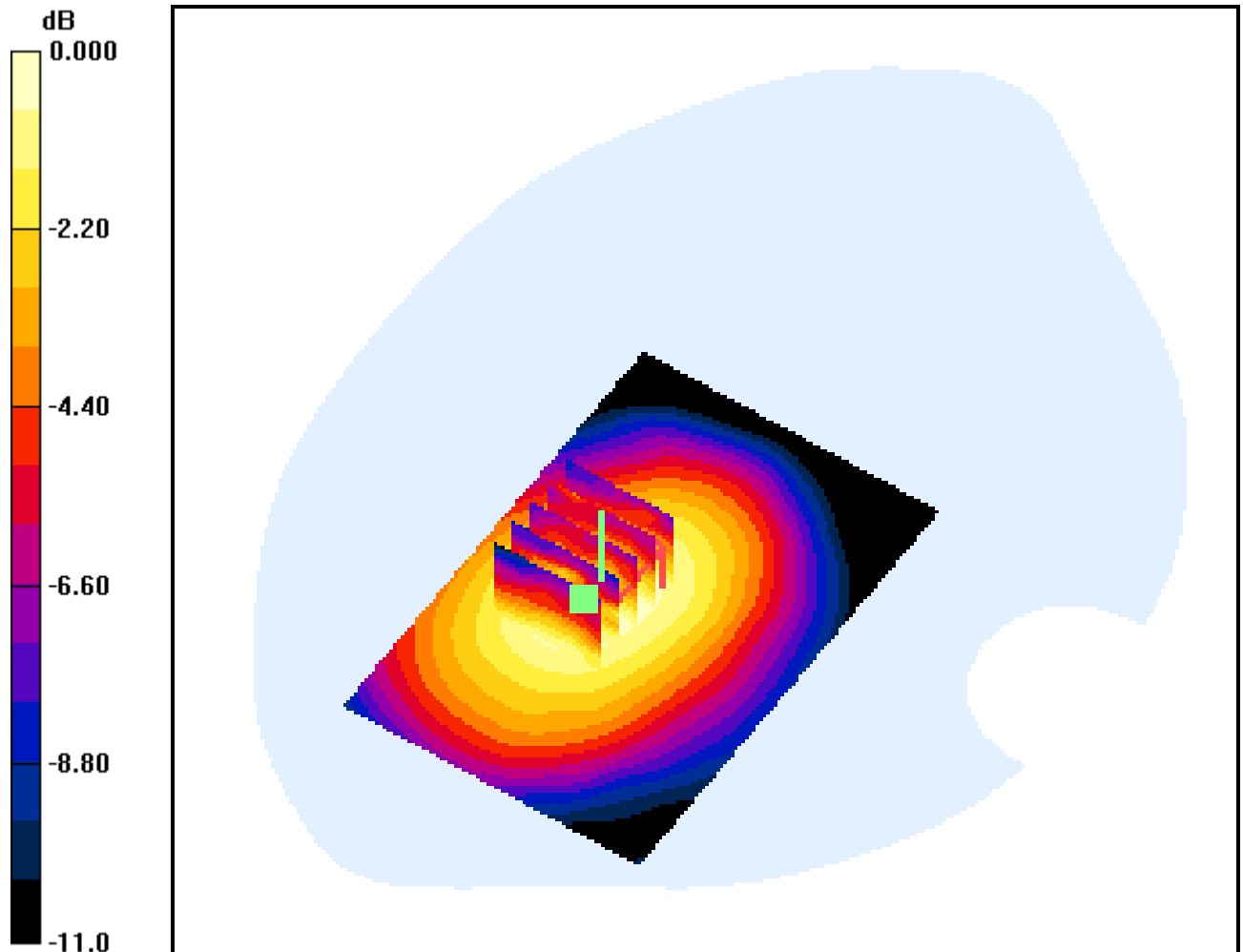
Area Scan (61x91x1): Measurement grid: dx=15mm, dy=15mm

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

Reference Value = 2.45 V/m; Power Drift = 0.082 dB

Peak SAR (extrapolated) = 0.021 W/kg

SAR(1 g) = 0.016 mW/g; SAR(10 g) = 0.012 mW/g



0 dB = 0.017mW/g

DIGITAL EMC CO., LTD

DUT: S14; Type: Folder Type

Communication System: PCS1900; Frequency: 1850.2 MHz; Duty Cycle: 1:8.3
Medium parameters used: $f = 1850.2 \text{ MHz}$; $\sigma = 1.35 \text{ mho/m}$; $\epsilon_r = 40.2$; $\rho = 1000 \text{ kg/m}^3$
Phantom section: Right Section

DASY4 Configuration:

Probe: ET3DV6 - SN1703; ConvF(5.19, 5.19, 5.19); Calibrated: 2008-01-29; Electronics: DAE3 Sn479
Phantom: SAM 1800/1900 MHz; Type: SAM; Serial: TP-1224
Measurement SW: DASY4, V4.7 Build 55; Postprocessing SW: SEMCAD, V1.8 Build 176

Date: 2008-12-03; Ambient Temp: 21.0; Tissue Temp: 21.5

Right Touch, PCS Ch.512, Ant Internal, Standard Battery

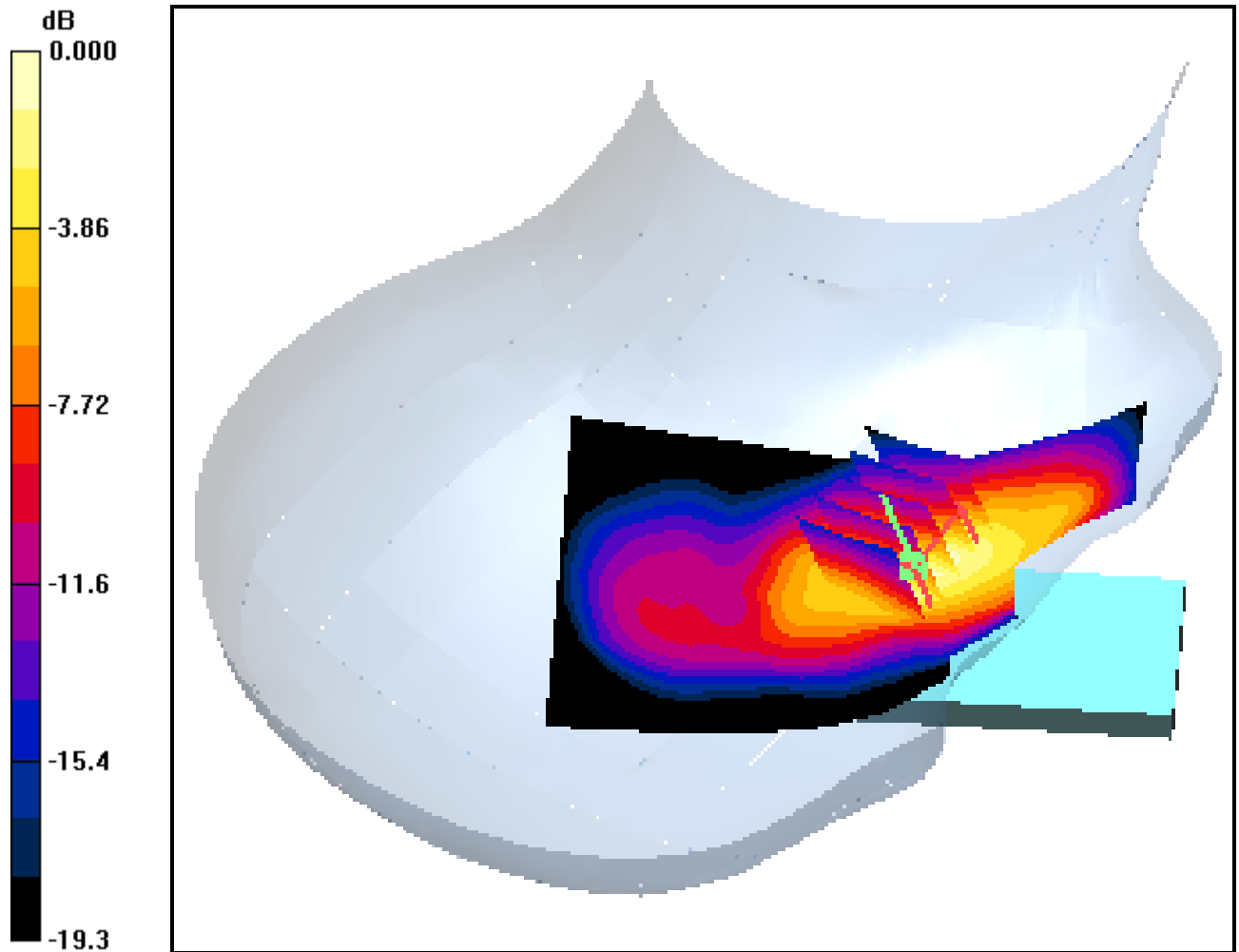
Area Scan (61x121x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

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

Reference Value = 9.18 V/m; Power Drift = -0.021 dB

Peak SAR (extrapolated) = 2.13 W/kg

SAR(1 g) = 1.25 mW/g; SAR(10 g) = 0.682 mW/g



0 dB = 1.40mW/g

DIGITAL EMC CO., LTD

DUT: S14; Type: Folder Type

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

Medium parameters used: $f = 1880 \text{ MHz}$; $\sigma = 1.38 \text{ mho/m}$; $\epsilon_r = 40.1$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Right Section

DASY4 Configuration:

Probe: ET3DV6 - SN1703; ConvF(5.19, 5.19, 5.19); Calibrated: 2008-01-29; Electronics: DAE3 Sn479

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

Measurement SW: DASY4, V4.7 Build 55; Postprocessing SW: SEMCAD, V1.8 Build 176

Date: 2008-12-03; Ambient Temp: 21.0; Tissue Temp: 21.5

Right Touch, PCS Ch.661, Ant Internal, Standard Battery

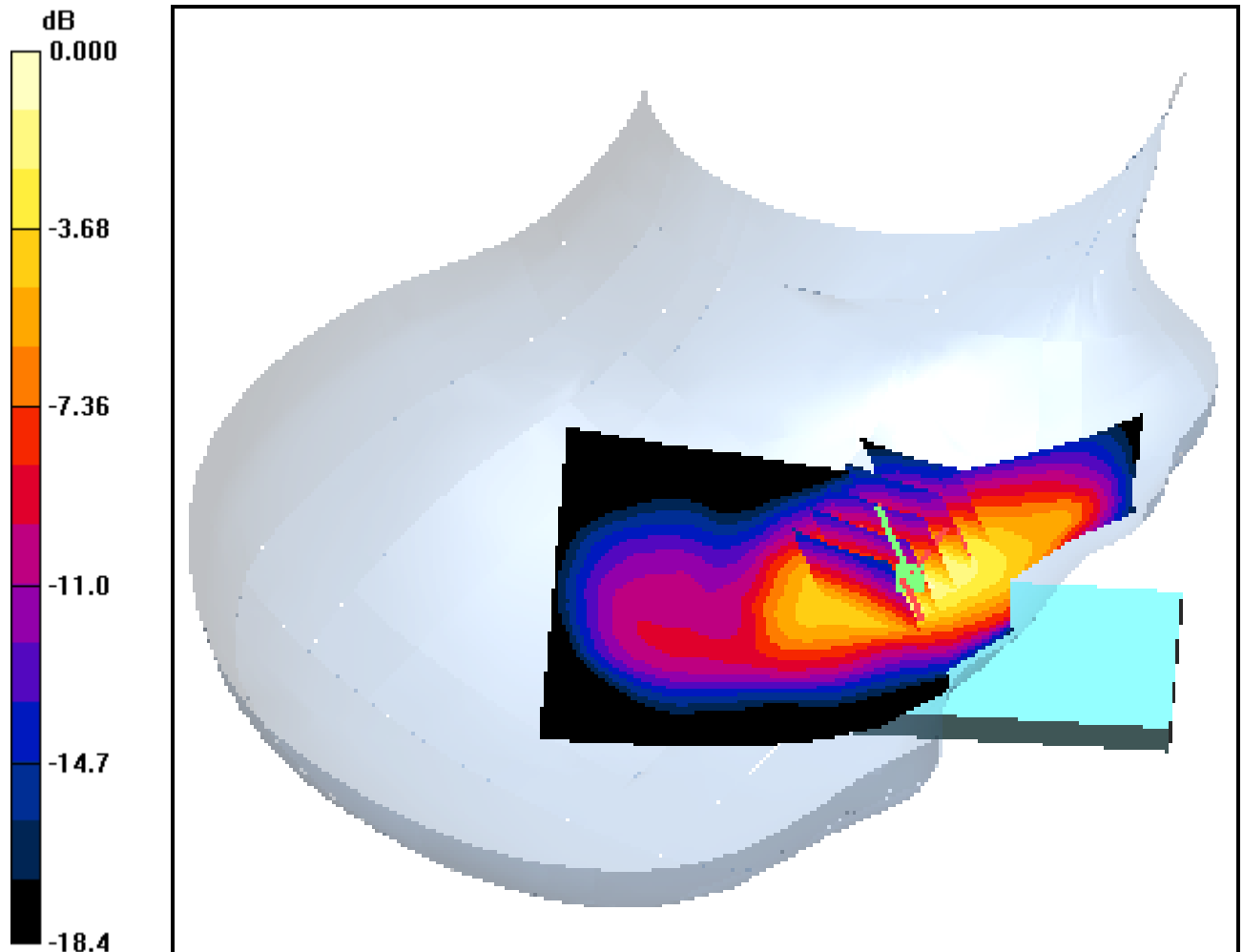
Area Scan (61x121x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

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

Reference Value = 8.72 V/m; Power Drift = -0.149 dB

Peak SAR (extrapolated) = 1.75 W/kg

SAR(1 g) = 1.03 mW/g; SAR(10 g) = 0.559 mW/g



0 dB = 1.16mW/g

DIGITAL EMC CO., LTD

DUT: S14; Type: Folder Type

Communication System: PCS1900; Frequency: 1909.8 MHz; Duty Cycle: 1:8.3
Medium parameters used: $f = 1909.8 \text{ MHz}$; $\sigma = 1.41 \text{ mho/m}$; $\epsilon_r = 40$; $\rho = 1000 \text{ kg/m}^3$
Phantom section: Right Section

DASY4 Configuration:

Probe: ET3DV6 - SN1703; ConvF(5.19, 5.19, 5.19); Calibrated: 2008-01-29; Electronics: DAE3 Sn479
Phantom: SAM 1800/1900 MHz; Type: SAM; Serial: TP-1224
Measurement SW: DASY4, V4.7 Build 55; Postprocessing SW: SEMCAD, V1.8 Build 176

Date: 2008-12-03; Ambient Temp: 21.0; Tissue Temp: 21.5

Right Touch, PCS Ch.810, Ant Internal, Standard Battery

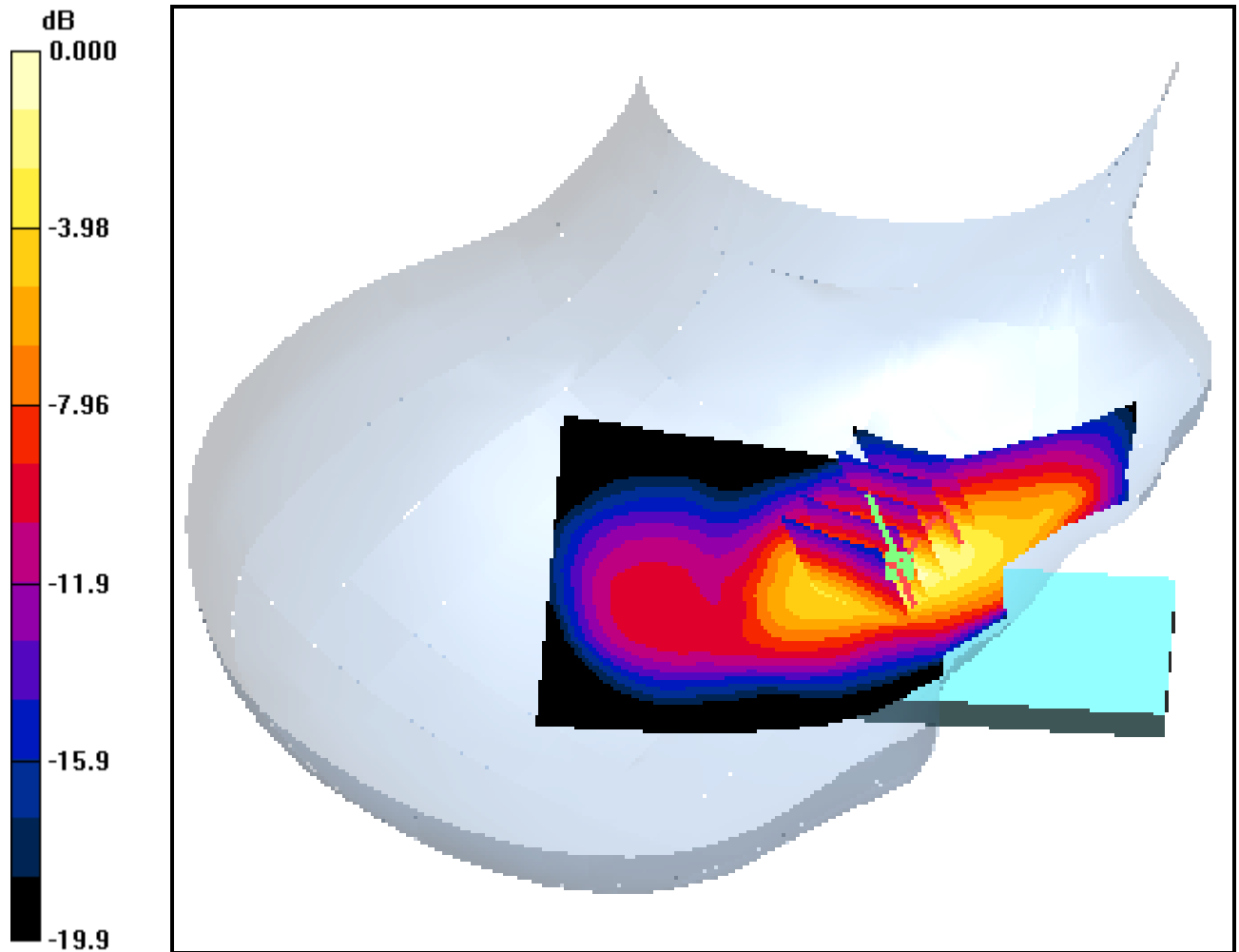
Area Scan (61x121x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

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

Reference Value = 8.57 V/m; Power Drift = -0.046 dB

Peak SAR (extrapolated) = 1.65 W/kg

SAR(1 g) = 0.943 mW/g; SAR(10 g) = 0.504 mW/g



0 dB = 1.08mW/g

DIGITAL EMC CO., LTD

DUT: S14; Type: Folder Type

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

Medium parameters used: $f = 1880 \text{ MHz}$; $\sigma = 1.38 \text{ mho/m}$; $\epsilon_r = 40.1$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Right Section

DASY4 Configuration:

Probe: ET3DV6 - SN1703; ConvF(5.19, 5.19, 5.19); Calibrated: 2008-01-29; Electronics: DAE3 Sn479

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

Measurement SW: DASY4, V4.7 Build 55; Postprocessing SW: SEMCAD, V1.8 Build 176

Date: 2008-12-03; Ambient Temp: 21.0; Tissue Temp: 21.5

Right Tilt, PCS Ch.661, Ant Internal, Standard Battery

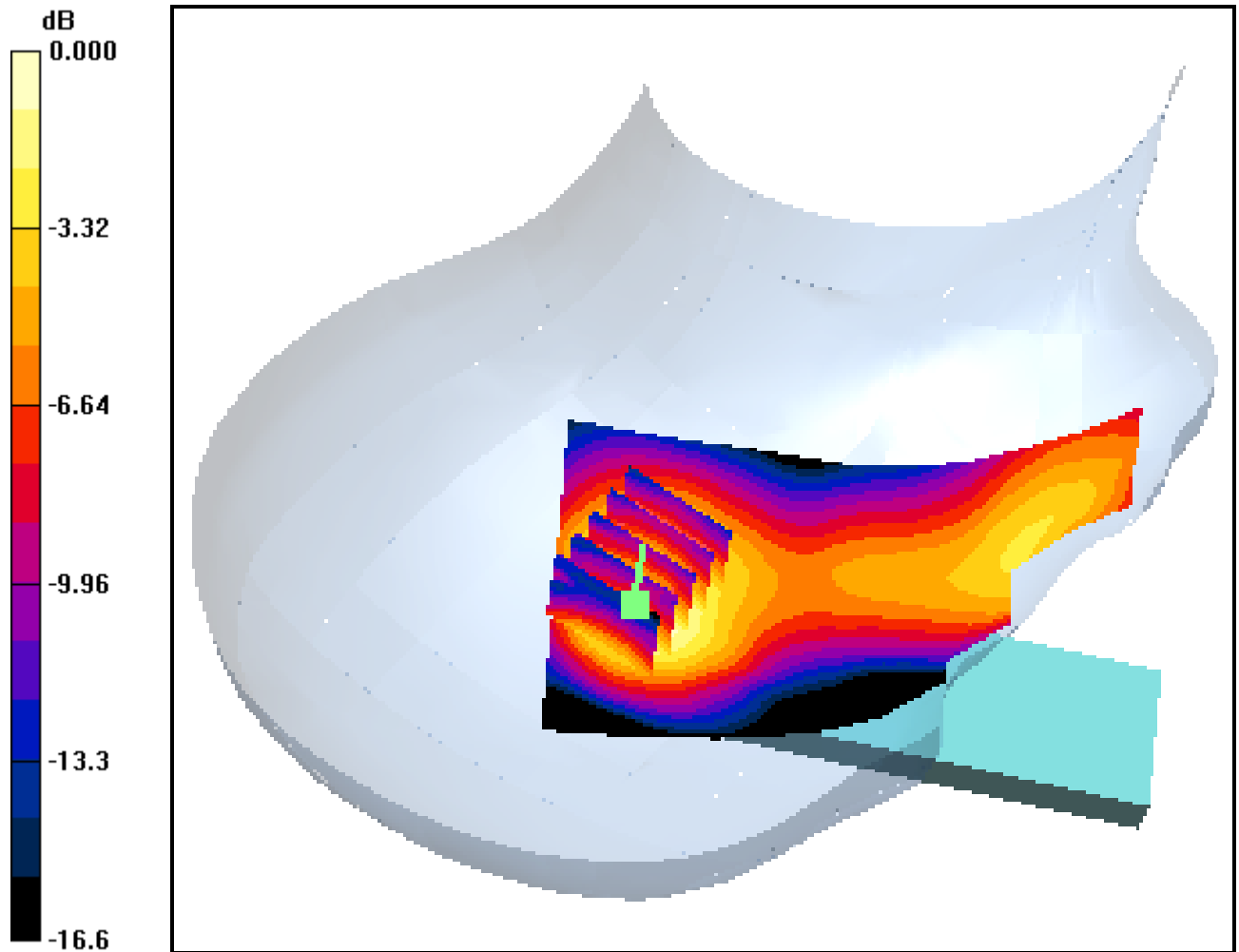
Area Scan (61x121x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

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

Reference Value = 13.6 V/m; Power Drift = -0.025 dB

Peak SAR (extrapolated) = 0.312 W/kg

SAR(1 g) = 0.225 mW/g; SAR(10 g) = 0.142 mW/g



0 dB = 0.244mW/g

DIGITAL EMC CO., LTD

DUT: S14; Type: Folder Type

Communication System: PCS1900; Frequency: 1850.2 MHz; Duty Cycle: 1:8.3
Medium parameters used: $f = 1850.2 \text{ MHz}$; $\sigma = 1.35 \text{ mho/m}$; $\epsilon_r = 40.2$; $\rho = 1000 \text{ kg/m}^3$
Phantom section: Left Section

DASY4 Configuration:

Probe: ET3DV6 - SN1703; ConvF(5.19, 5.19, 5.19); Calibrated: 2008-01-29; Electronics: DAE3 Sn479
Phantom: SAM 1800/1900 MHz; Type: SAM; Serial: TP-1224
Measurement SW: DASY4, V4.7 Build 55; Postprocessing SW: SEMCAD, V1.8 Build 176

Date: 2008-12-03; Ambient Temp: 21.0; Tissue Temp: 21.5

Left Touch, PCS Ch.512, Ant Internal, Standard Battery

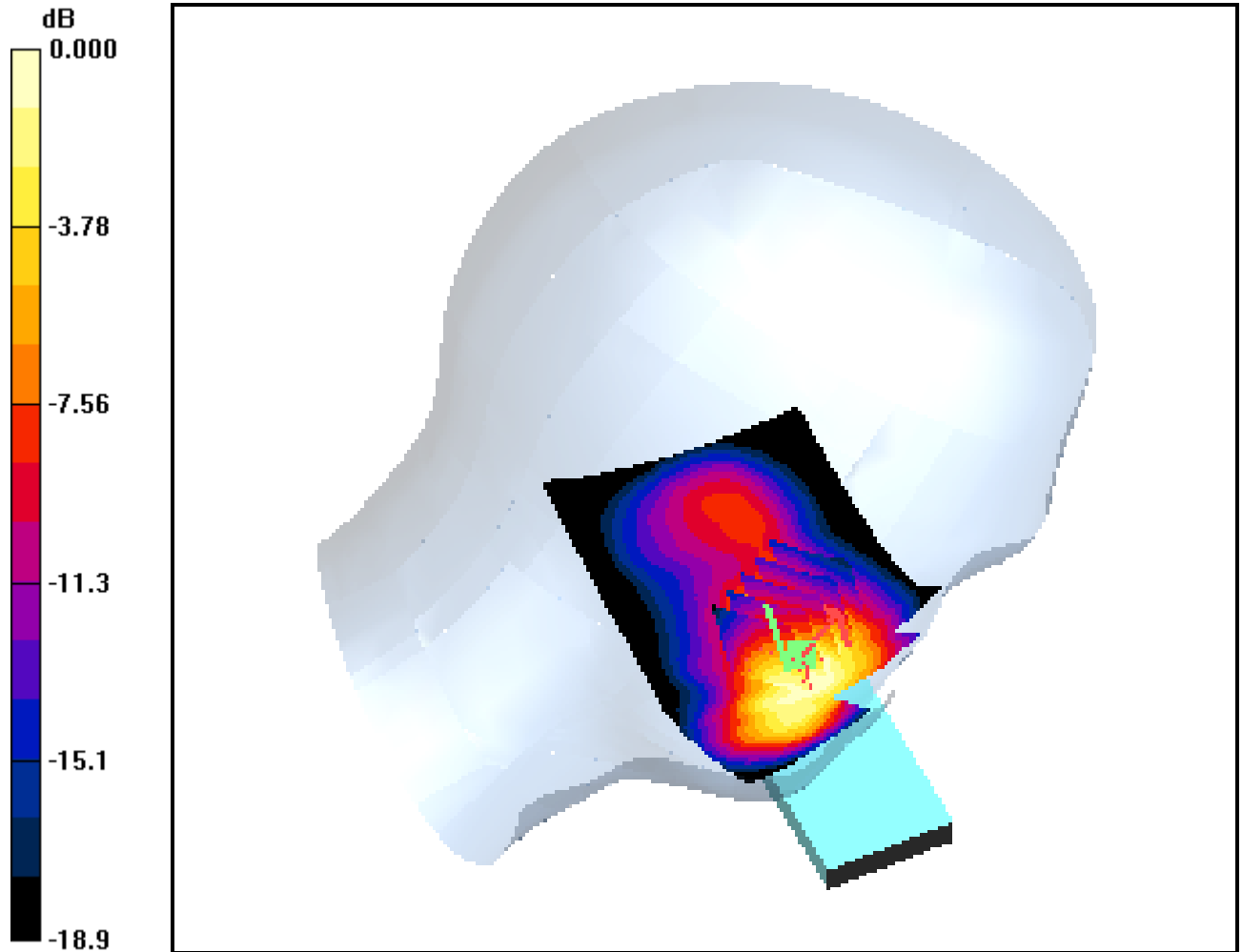
Area Scan (61x121x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

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

Reference Value = 9.95 V/m; Power Drift = 0.027 dB

Peak SAR (extrapolated) = 1.54 W/kg

SAR(1 g) = 1.02 mW/g; SAR(10 g) = 0.586 mW/g



0 dB = 1.08mW/g

DIGITAL EMC CO., LTD

DUT: S14; Type: Folder Type

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

Medium parameters used: $f = 1880 \text{ MHz}$; $\sigma = 1.38 \text{ mho/m}$; $\epsilon_r = 40.1$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Left Section

DASY4 Configuration:

Probe: ET3DV6 - SN1703; ConvF(5.19, 5.19, 5.19); Calibrated: 2008-01-29; Electronics: DAE3 Sn479

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

Measurement SW: DASY4, V4.7 Build 55; Postprocessing SW: SEMCAD, V1.8 Build 176

Date: 2008-12-03; Ambient Temp: 21.0; Tissue Temp: 21.5

Left Touch, PCS Ch.661, Ant Internal, Standard Battery

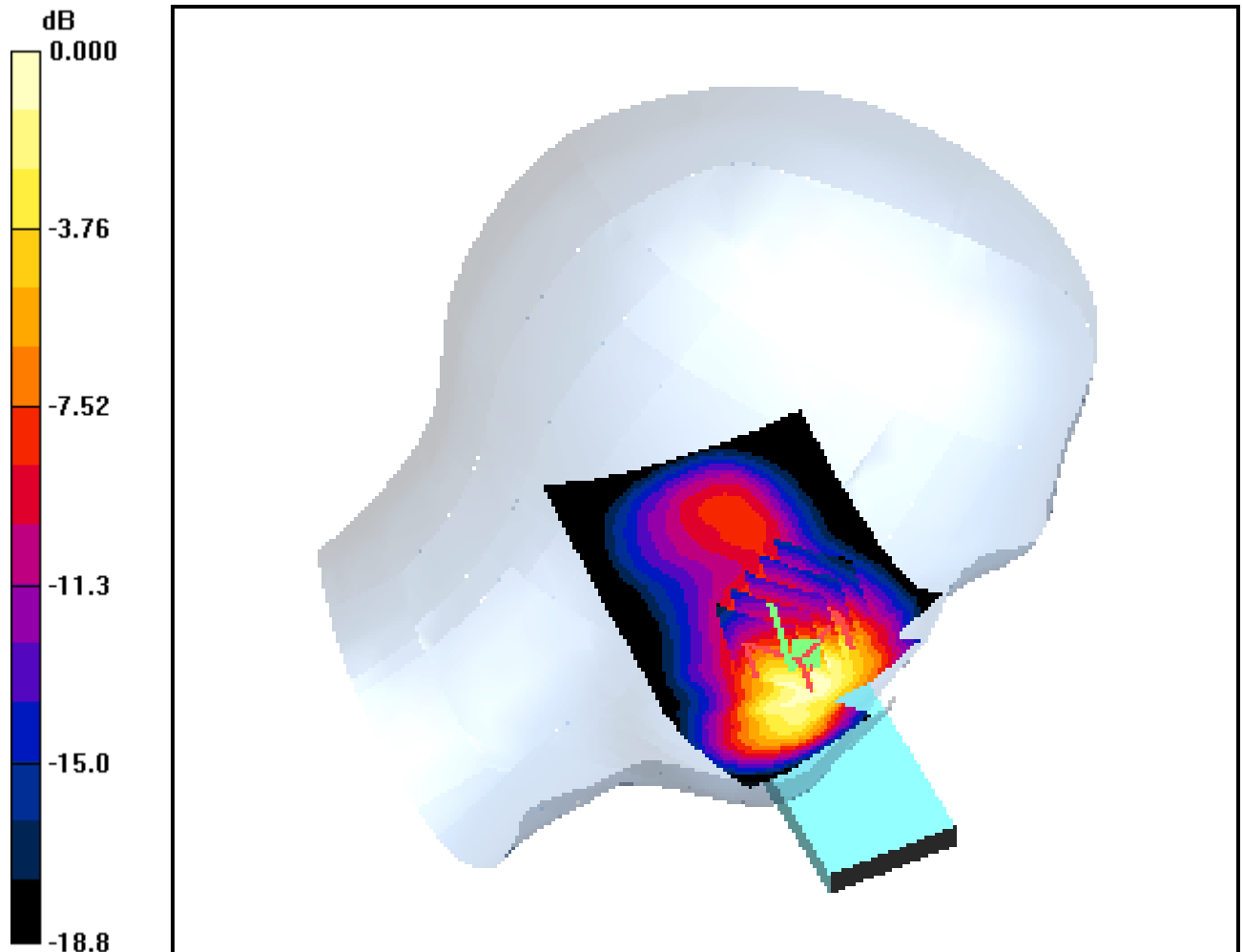
Area Scan (61x121x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

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

Reference Value = 9.50 V/m; Power Drift = -0.028 dB

Peak SAR (extrapolated) = 1.41 W/kg

SAR(1 g) = 0.908 mW/g; SAR(10 g) = 0.508 mW/g



0 dB = 0.970mW/g

DIGITAL EMC CO., LTD

DUT: S14; Type: Folder Type

Communication System: PCS1900; Frequency: 1909.8 MHz; Duty Cycle: 1:8.3
Medium parameters used: $f = 1909.8 \text{ MHz}$; $\sigma = 1.41 \text{ mho/m}$; $\epsilon_r = 40$; $\rho = 1000 \text{ kg/m}^3$
Phantom section: Left Section

DASY4 Configuration:

Probe: ET3DV6 - SN1703; ConvF(5.19, 5.19, 5.19); Calibrated: 2008-01-29; Electronics: DAE3 Sn479
Phantom: SAM 1800/1900 MHz; Type: SAM; Serial: TP-1224
Measurement SW: DASY4, V4.7 Build 55; Postprocessing SW: SEMCAD, V1.8 Build 176

Date: 2008-12-03; Ambient Temp: 21.0; Tissue Temp: 21.5

Left Touch, PCS Ch.810, Ant Internal, Standard Battery

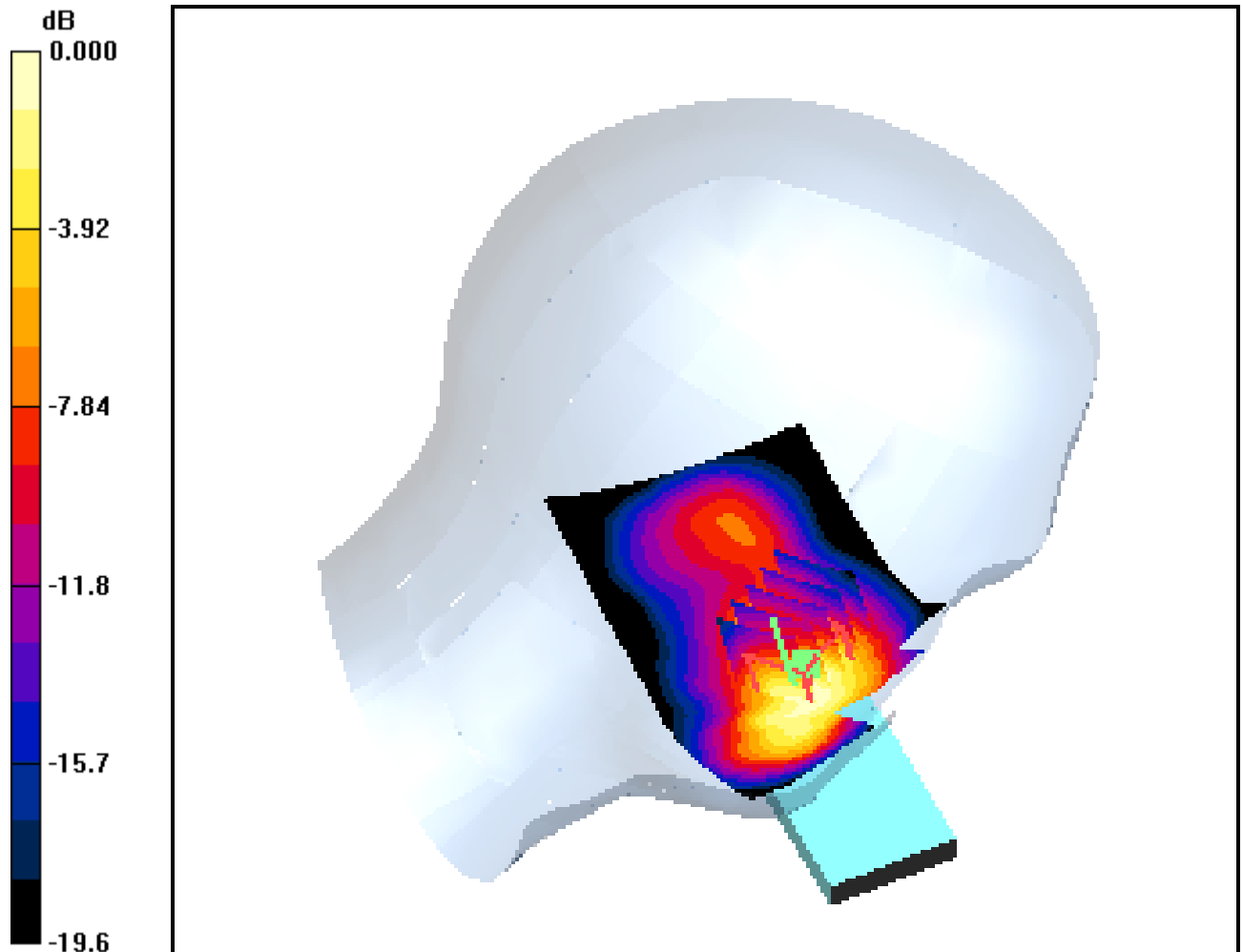
Area Scan (61x121x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

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

Reference Value = 9.18 V/m; Power Drift = -0.089 dB

Peak SAR (extrapolated) = 1.26 W/kg

SAR(1 g) = 0.809 mW/g; SAR(10 g) = 0.457 mW/g



0 dB = 0.870mW/g

DIGITAL EMC CO., LTD

DUT: S14; Type: Folder Type

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

Medium parameters used: $f = 1880 \text{ MHz}$; $\sigma = 1.38 \text{ mho/m}$; $\epsilon_r = 40.1$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Left Section

DASY4 Configuration:

Probe: ET3DV6 - SN1703; ConvF(5.19, 5.19, 5.19); Calibrated: 2008-01-29; Electronics: DAE3 Sn479

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

Measurement SW: DASY4, V4.7 Build 55; Postprocessing SW: SEMCAD, V1.8 Build 176

Date: 2008-12-03; Ambient Temp: 21.0; Tissue Temp: 21.5

Left Tilt, PCS Ch.661, Ant Internal, Standard Battery

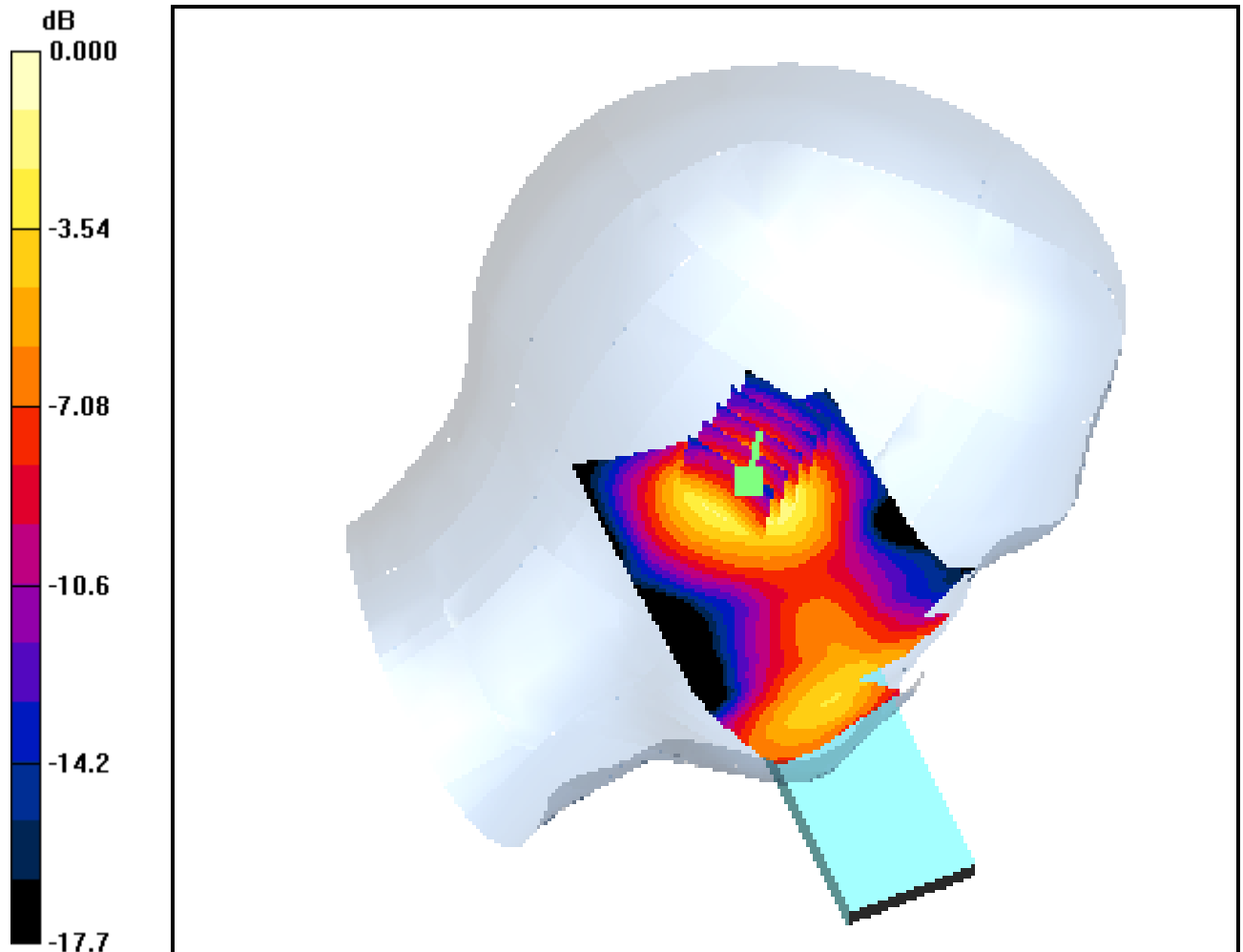
Area Scan (61x121x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

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

Reference Value = 13.4 V/m; Power Drift = -0.071 dB

Peak SAR (extrapolated) = 0.356 W/kg

SAR(1 g) = 0.233 mW/g; SAR(10 g) = 0.138 mW/g



0 dB = 0.255mW/g

DIGITAL EMC CO., LTD

DUT: S14; Type: Folder Type

Communication System: PCS1900; Frequency: 1850.2 MHz; Duty Cycle: 1:4.15
Medium parameters used: $f = 1850.2 \text{ MHz}$; $\sigma = 1.48 \text{ mho/m}$; $\epsilon_r = 51.4$; $\rho = 1000 \text{ kg/m}^3$
Phantom section: Flat Section

DASY4 Configuration:

Probe: ET3DV6 - SN1703; ConvF(4.86, 4.86, 4.86); Calibrated: 2008-01-29; Electronics: DAE3 Sn479
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: 2008-12-03; Ambient Temp: 21.0; Tissue Temp: 21.5

1.5cm from Body, PCS Ch.512, Ant Internal, GPRS Class 10 Mode

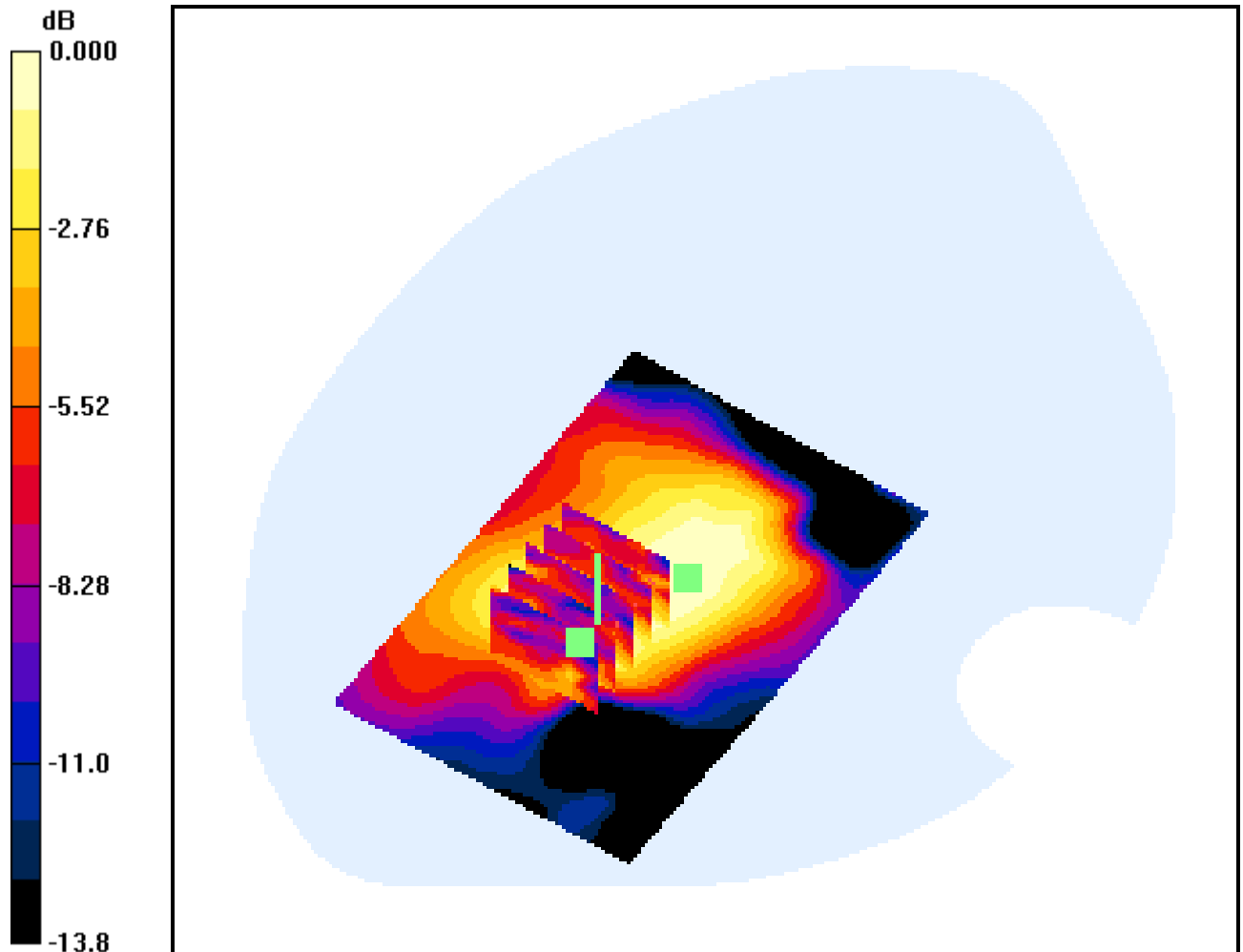
Area Scan (61x91x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

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

Reference Value = 4.53 V/m; Power Drift = -0.108 dB

Peak SAR (extrapolated) = 0.157 W/kg

SAR(1 g) = 0.049 mW/g; SAR(10 g) = 0.021 mW/g



0 dB = 0.049mW/g

DIGITAL EMC CO., LTD

DUT: S14; Type: Folder Type

Communication System: PCS1900; Frequency: 1850.2 MHz; Duty Cycle: 1:4.15
Medium parameters used: $f = 1850.2 \text{ MHz}$; $\sigma = 1.48 \text{ mho/m}$; $\epsilon_r = 51.4$; $\rho = 1000 \text{ kg/m}^3$
Phantom section: Flat Section

DASY4 Configuration:

Probe: ET3DV6 - SN1703; ConvF(4.86, 4.86, 4.86); Calibrated: 2008-01-29; Electronics: DAE3 Sn479
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: 2008-12-03; Ambient Temp: 21.0; Tissue Temp: 21.5

1.5cm from Body, PCS Ch.512, Ant Internal, GPRS Class 10 Mode

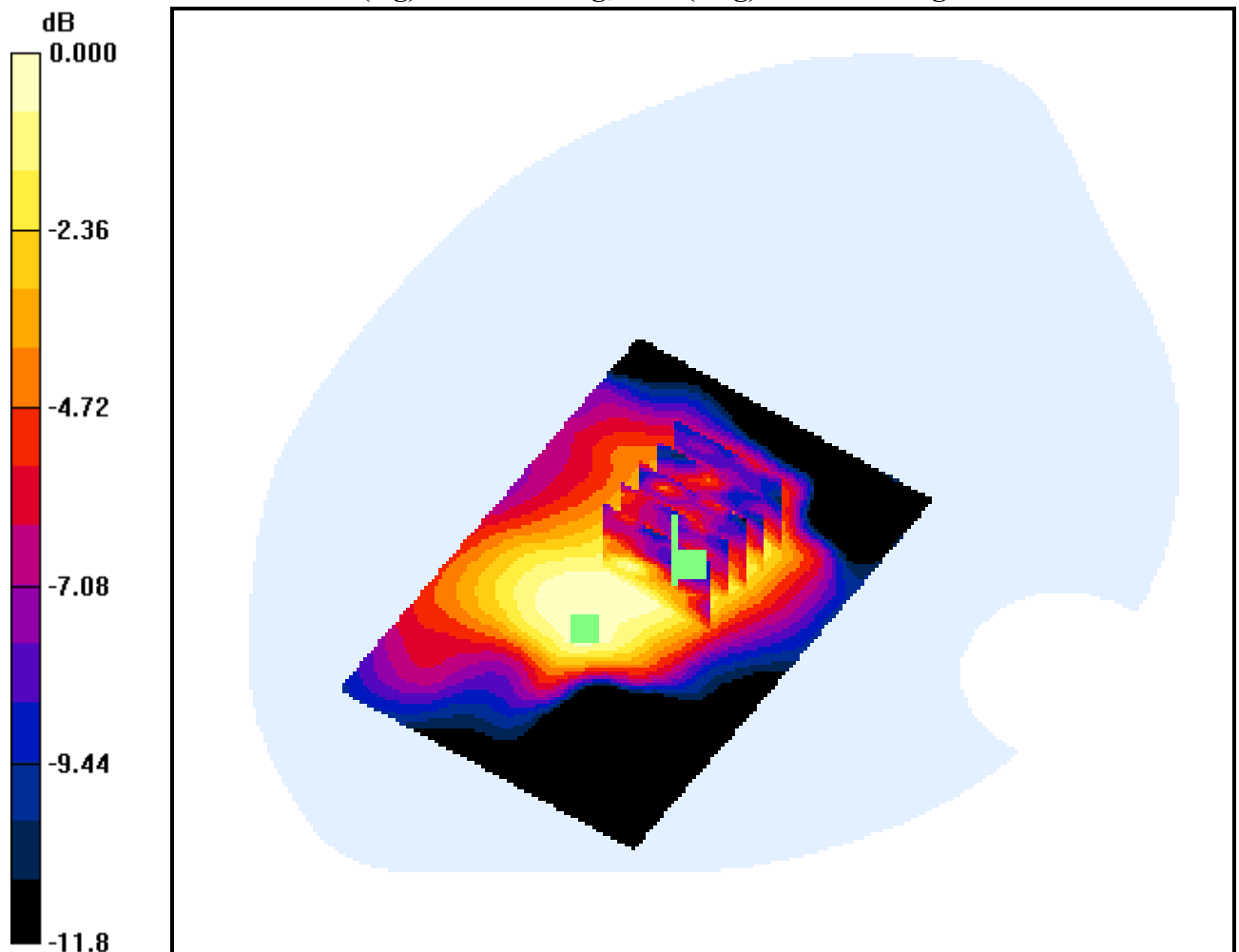
Area Scan (61x91x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

Zoom Scan (5x5x7)/Cube 1: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

Reference Value = 4.53 V/m; Power Drift = -0.108 dB

Peak SAR (extrapolated) = 0.113 W/kg

SAR(1 g) = 0.046 mW/g; SAR(10 g) = 0.024 mW/g



0 dB = 0.052mW/g

DIGITAL EMC CO., LTD

DUT: S14; Type: Folder Type

Communication System: PCS1900; Frequency: 1880 MHz; Duty Cycle: 1:4.15
Medium parameters used: $f = 1880 \text{ MHz}$; $\sigma = 1.51 \text{ mho/m}$; $\epsilon_r = 51.3$; $\rho = 1000 \text{ kg/m}^3$
Phantom section: Flat Section

DASY4 Configuration:

Probe: ET3DV6 - SN1703; ConvF(4.86, 4.86, 4.86); Calibrated: 2008-01-29; Electronics: DAE3 Sn479
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: 2008-12-03; Ambient Temp: 21.0; Tissue Temp: 21.5

1.5cm from Body, PCS Ch.661, Ant Internal, GPRS Class 10 Mode

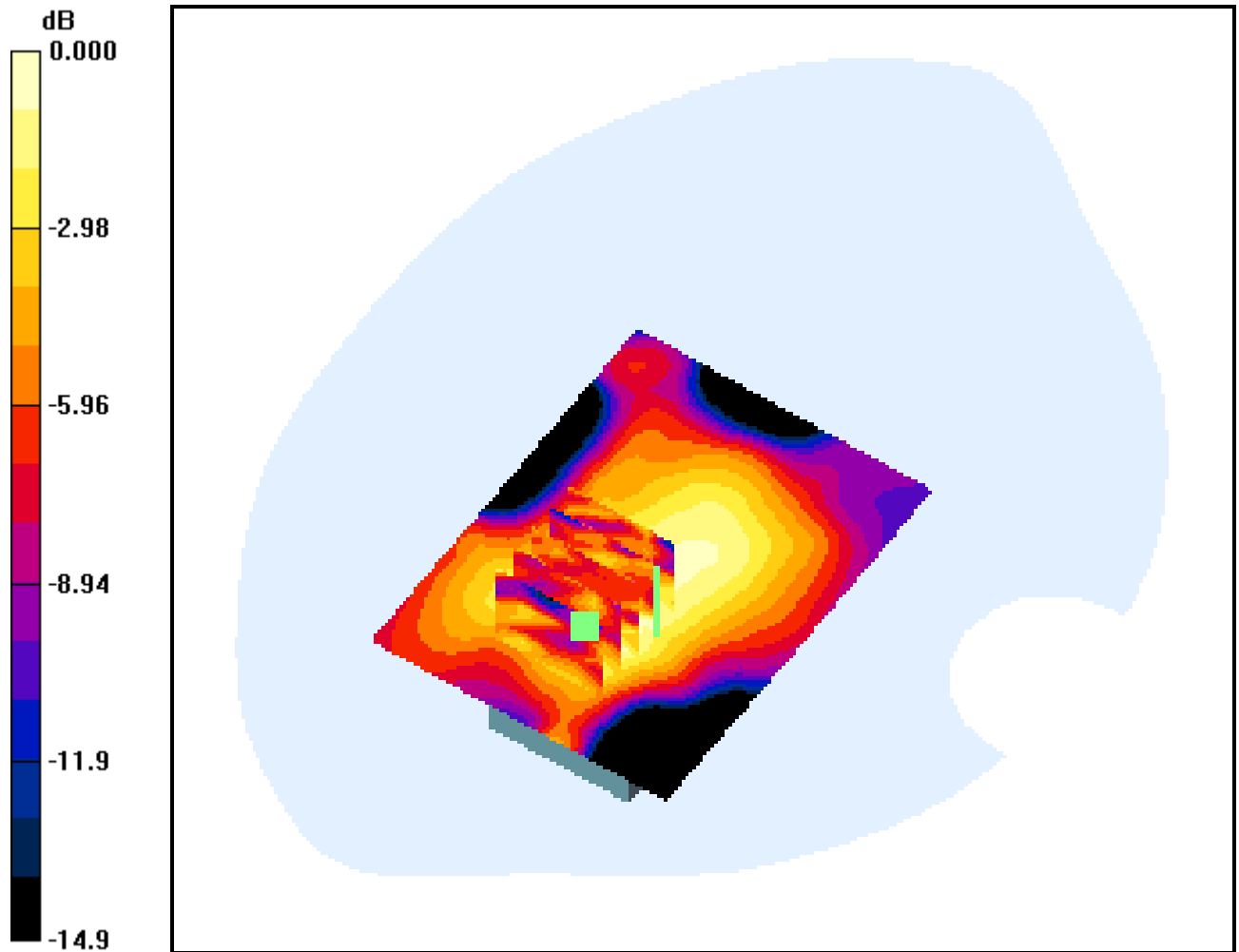
Area Scan (61x81x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

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

Reference Value = 4.05 V/m; Power Drift = 0.223 dB

Peak SAR (extrapolated) = 0.144 W/kg

SAR(1 g) = 0.043 mW/g; SAR(10 g) = 0.016 mW/g



0 dB = 0.041mW/g

DIGITAL EMC CO., LTD

DUT: S14; Type: Folder Type

Communication System: PCS1900; Frequency: 1909.8 MHz; Duty Cycle: 1:4.15
Medium parameters used: $f = 1909.8 \text{ MHz}$; $\sigma = 1.55 \text{ mho/m}$; $\epsilon_r = 51.2$; $\rho = 1000 \text{ kg/m}^3$
Phantom section: Flat Section

DASY4 Configuration:

Probe: ET3DV6 - SN1703; ConvF(4.86, 4.86, 4.86); Calibrated: 2008-01-29; Electronics: DAE3 Sn479
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: 2008-12-03; Ambient Temp: 21.0; Tissue Temp: 21.5

1.5cm from Body, PCS Ch.810, Ant Internal, GPRS Class 10 Mode

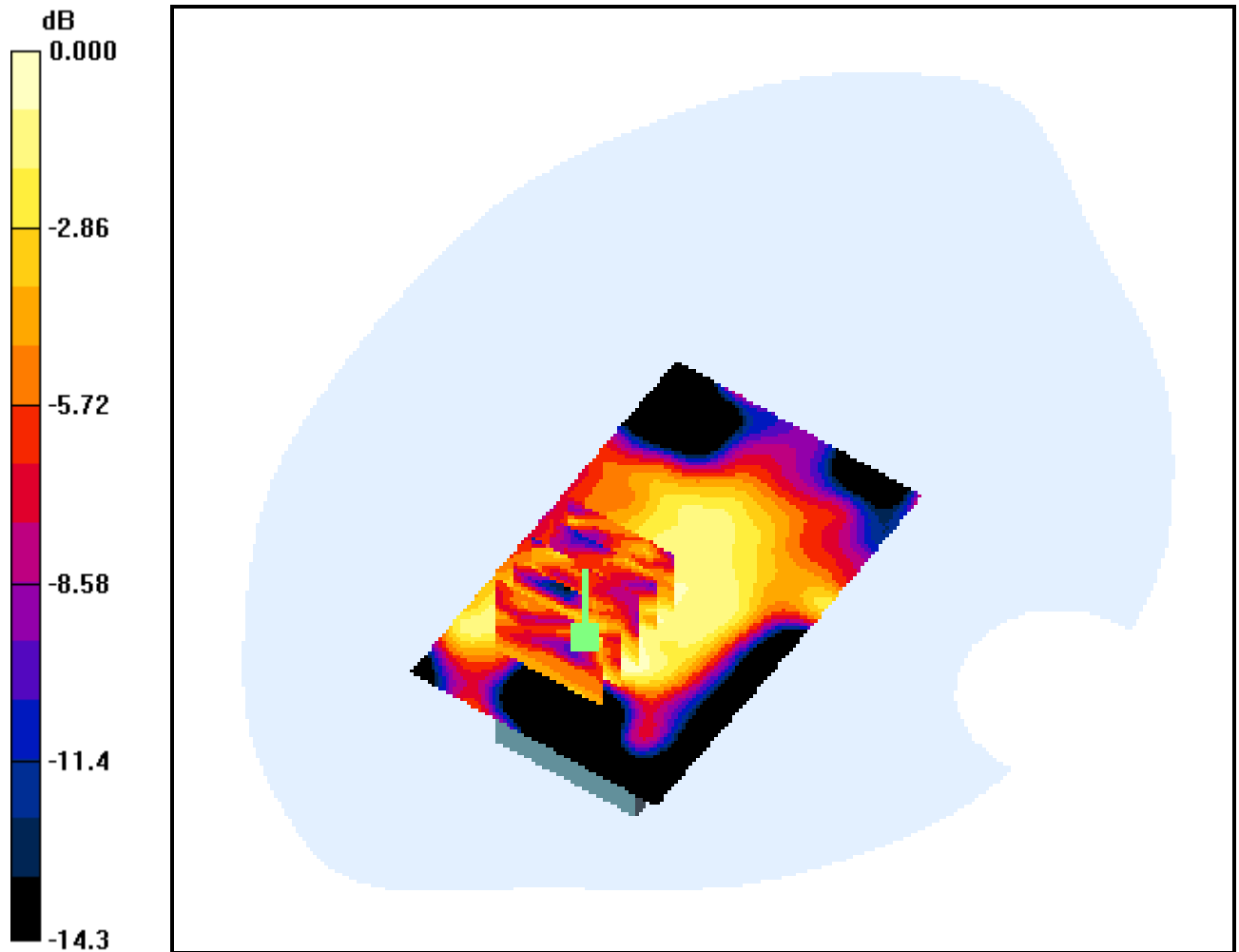
Area Scan (51x81x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

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

Reference Value = 3.52 V/m; Power Drift = -0.071 dB

Peak SAR (extrapolated) = 0.111 W/kg

SAR(1 g) = 0.034 mW/g; SAR(10 g) = 0.00886 mW/g



0 dB = 0.035mW/g

DIGITAL EMC CO., LTD

DUT: S14; Type: Folder Type

Communication System: PCS1900; Frequency: 1850.2 MHz; Duty Cycle: 1:8.3
Medium parameters used: $f = 1850.2 \text{ MHz}$; $\sigma = 1.48 \text{ mho/m}$; $\epsilon_r = 51.4$; $\rho = 1000 \text{ kg/m}^3$
Phantom section: Flat Section

DASY4 Configuration:

Probe: ET3DV6 - SN1703; ConvF(4.86, 4.86, 4.86); Calibrated: 2008-01-29; Electronics: DAE3 Sn479
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: 2008-12-03; Ambient Temp: 21.0; Tissue Temp: 21.5

1.5cm from Body, PCS Ch.512, Ant Internal, Standard Battery

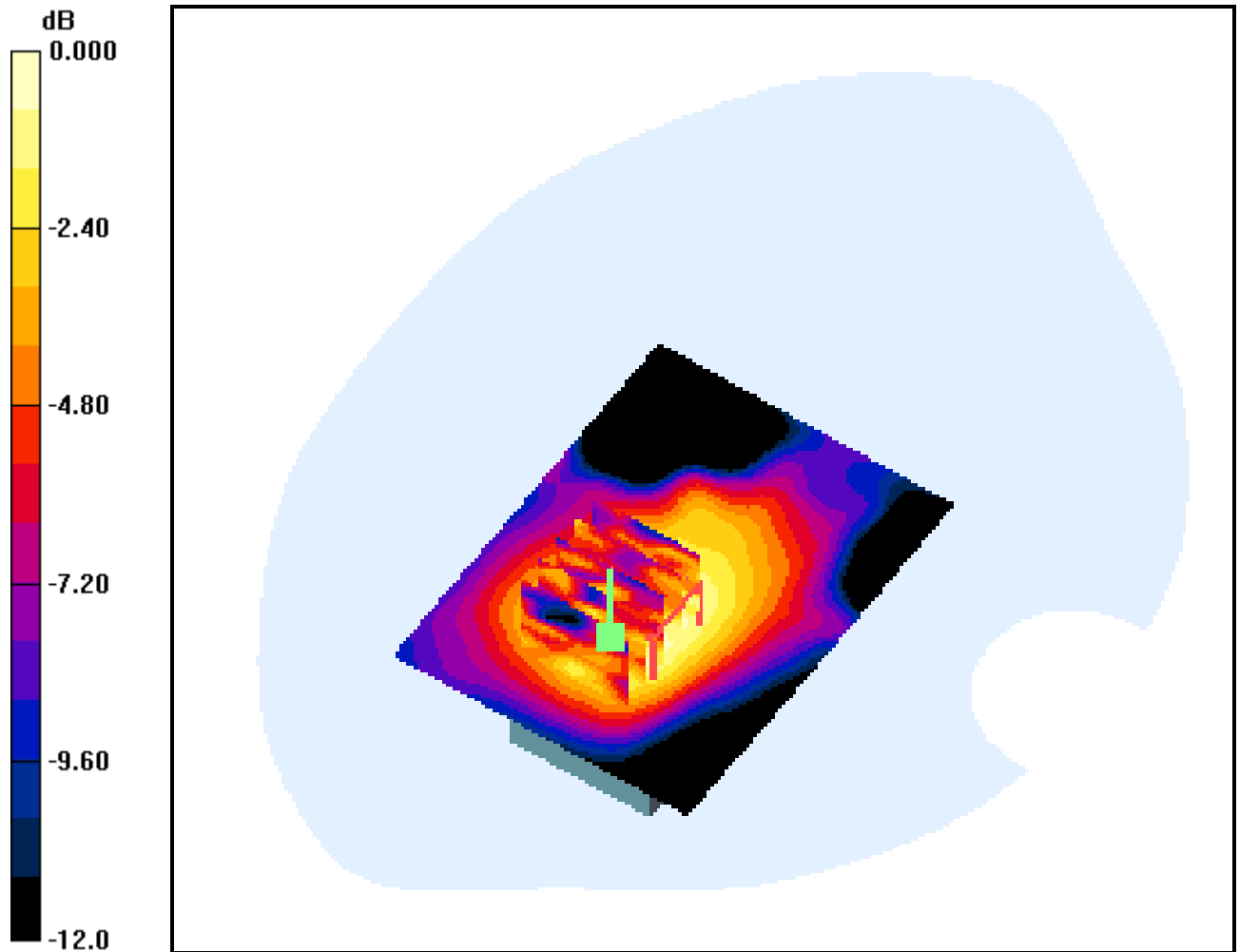
Area Scan (61x81x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

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

Reference Value = 3.04 V/m; Power Drift = 0.115 dB

Peak SAR (extrapolated) = 0.141 W/kg

SAR(1 g) = 0.037 mW/g; SAR(10 g) = 0.016 mW/g



0 dB = 0.037mW/g

DIGITAL EMC CO., LTD

DUT: S14; Type: Folder Type

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

Medium parameters used (interpolated): $f = 848.8$ MHz; $\sigma = 0.907$ mho/m; $\epsilon_r = 41.7$; $\rho = 1000$ kg/m³

Phantom section: Right Section

DASY4 Configuration:

Probe: ET3DV6 - SN1703; ConvF(6.49, 6.49, 6.49); Calibrated: 2008-01-29; Electronics: DAE3 Sn479

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

Measurement SW: DASY4, V4.7 Build 55; Postprocessing SW: SEMCAD, V1.8 Build 176

Date: 2008-12-02; Ambient Temp: 21.0; Tissue Temp: 20.8

Right Touch, GSM Ch.251, Ant Internal, Standard Battery

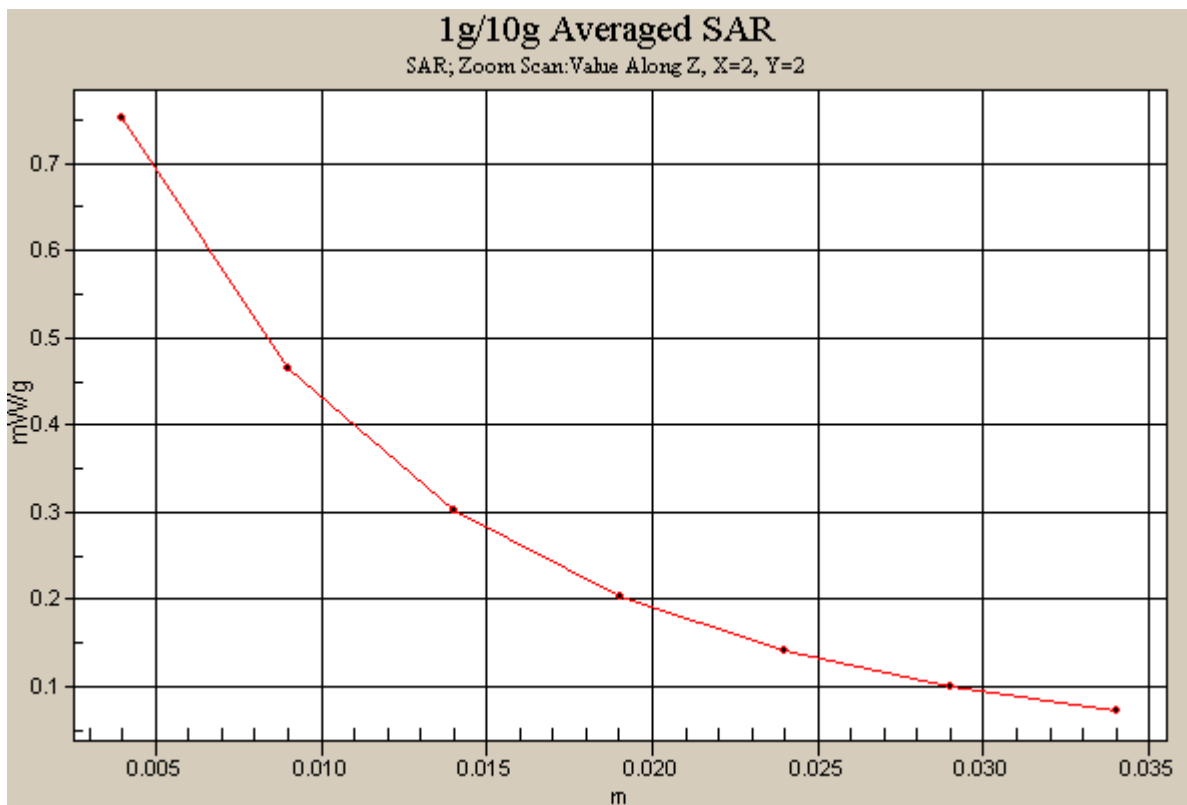
Area Scan (61x121x1): Measurement grid: dx=15mm, dy=15mm

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

Reference Value = 8.92 V/m; Power Drift = -0.063 dB

Peak SAR (extrapolated) = 1.11 W/kg

SAR(1 g) = 0.669 mW/g; SAR(10 g) = 0.391 mW/g



DIGITAL EMC CO., LTD

DUT: S14; Type: Folder Type

Communication System: GSM 850; Frequency: 836.6 MHz; Duty Cycle: 1:4.15
Medium parameters used: $f = 836.667$ MHz; $\sigma = 0.991$ mho/m; $\epsilon_r = 54.7$; $\rho = 1000$ kg/m³
Phantom section: Flat Section

DASY4 Configuration:

Probe: ET3DV6 - SN1703; ConvF(6.16, 6.16, 6.16); Calibrated: 2008-01-29; Electronics: DAE3 Sn479
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: 2008-12-02; Ambient Temp: 21.0; Tissue Temp: 20.8

1.5cm from Body, GSM Ch.190, Ant Internal, GPRS Class 10 Mode

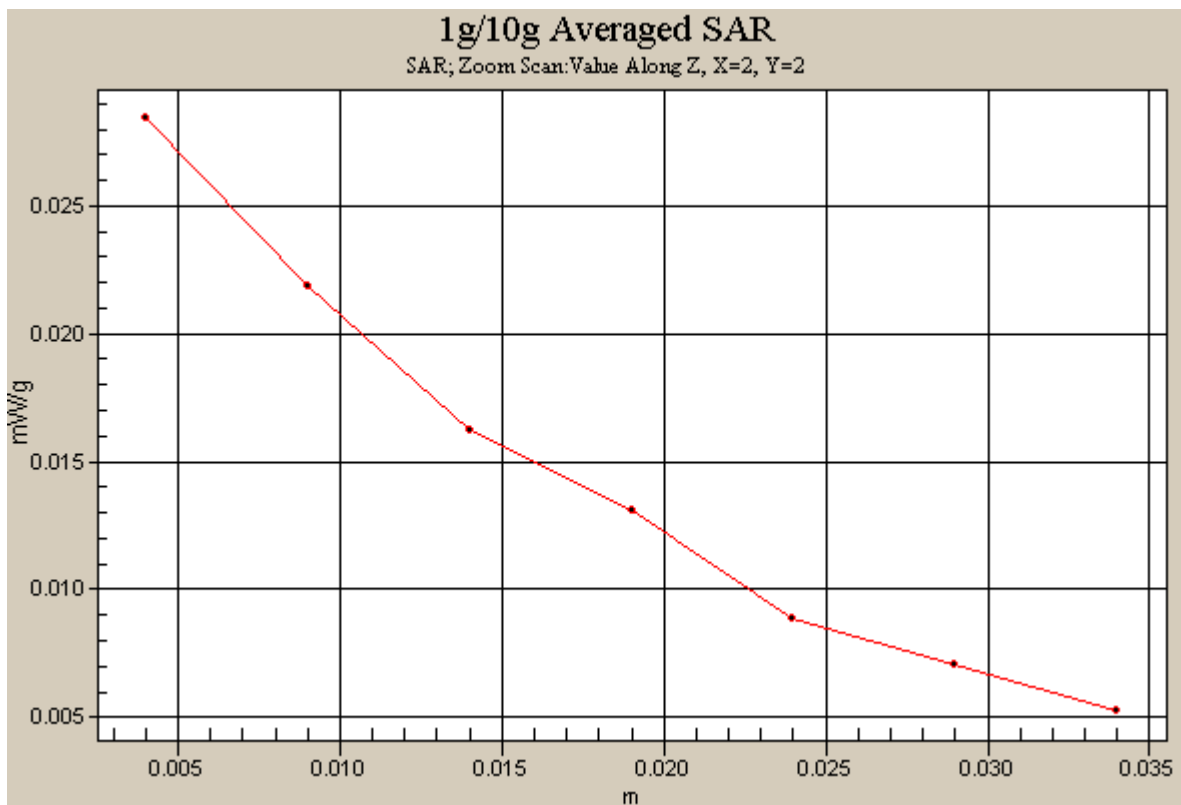
Area Scan (61x91x1): Measurement grid: dx=15mm, dy=15mm

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

Reference Value = 2.86 V/m; Power Drift = -0.100 dB

Peak SAR (extrapolated) = 0.035 W/kg

SAR(1 g) = 0.027 mW/g; SAR(10 g) = 0.019 mW/g



DIGITAL EMC CO., LTD

DUT: S14; Type: Folder Type

Communication System: PCS1900; Frequency: 1850.2 MHz; Duty Cycle: 1:8.3
Medium parameters used: $f = 1850.2 \text{ MHz}$; $\sigma = 1.35 \text{ mho/m}$; $\epsilon_r = 40.2$; $\rho = 1000 \text{ kg/m}^3$
Phantom section: Right Section

DASY4 Configuration:

Probe: ET3DV6 - SN1703; ConvF(5.19, 5.19, 5.19); Calibrated: 2008-01-29; Electronics: DAE3 Sn479
Phantom: SAM 1800/1900 MHz; Type: SAM; Serial: TP-1224
Measurement SW: DASY4, V4.7 Build 55; Postprocessing SW: SEMCAD, V1.8 Build 176

Date: 2008-12-03; Ambient Temp: 21.0; Tissue Temp: 21.5

Right Touch, PCS Ch.512, Ant Internal, Standard Battery

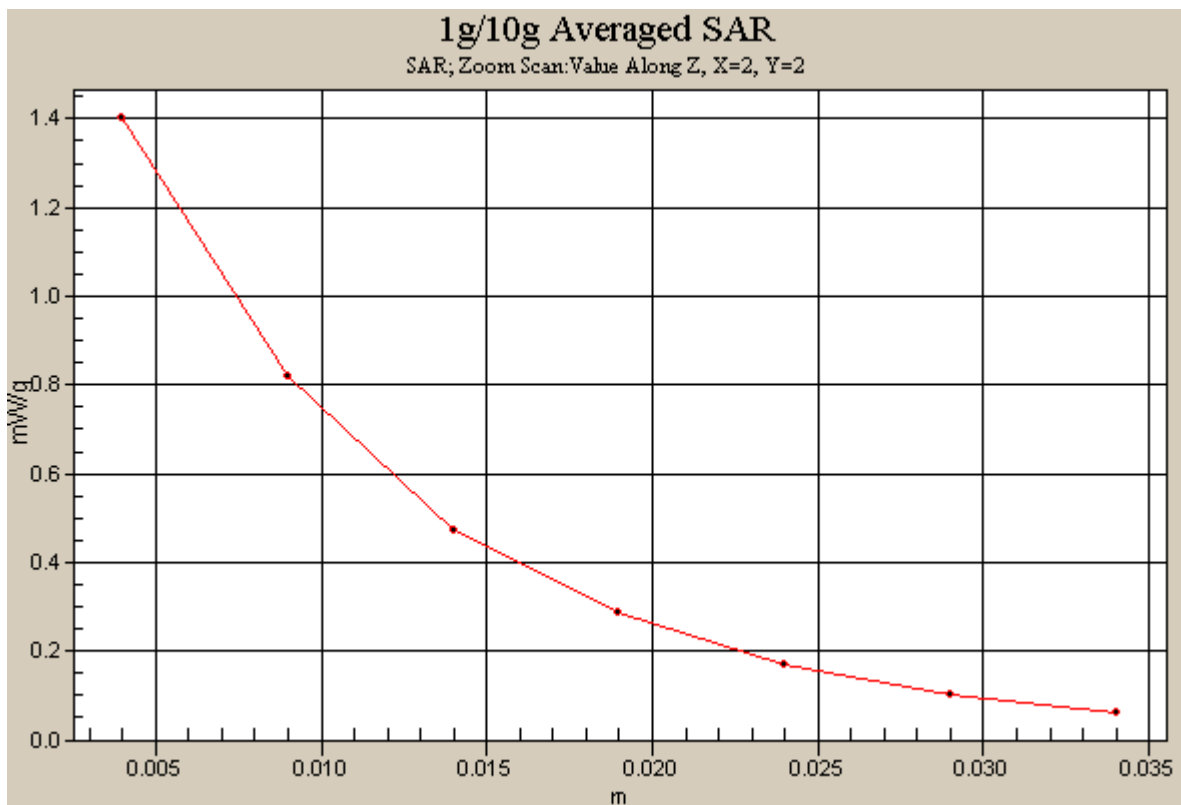
Area Scan (61x121x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

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

Reference Value = 9.18 V/m; Power Drift = -0.021 dB

Peak SAR (extrapolated) = 2.13 W/kg

SAR(1 g) = 1.25 mW/g; SAR(10 g) = 0.682 mW/g



DIGITAL EMC CO., LTD

DUT: S14; Type: Folder Type

Communication System: PCS1900; Frequency: 1850.2 MHz; Duty Cycle: 1:4.15
Medium parameters used: $f = 1850.2$ MHz; $\sigma = 1.48$ mho/m; $\epsilon_r = 51.4$; $\rho = 1000$ kg/m³
Phantom section: Flat Section

DASY4 Configuration:

Probe: ET3DV6 - SN1703; ConvF(4.86, 4.86, 4.86); Calibrated: 2008-01-29; Electronics: DAE3 Sn479
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: 2008-12-03; Ambient Temp: 21.0; Tissue Temp: 21.5

1.5cm from Body, PCS Ch.512, Ant Internal, GPRS Class 10 Mode

Area Scan (61x91x1): Measurement grid: dx=15mm, dy=15mm

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

Reference Value = 4.53 V/m; Power Drift = -0.108 dB

Peak SAR (extrapolated) = 0.157 W/kg

SAR(1 g) = 0.049 mW/g; SAR(10 g) = 0.021 mW/g

