

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: $f = 835 \text{ MHz}$; $\sigma = 0.909 \text{ mho/m}$; $\epsilon_r = 41.8$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

DASY4 Configuration:

Probe: ET3DV6 - SN1702; ConvF(6.66, 6.66, 6.66); Calibrated: 2006-03-23; 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: 2007-02-27; Ambient Temp: 20.0; Tissue Temp: 20.0

Dipole Validation

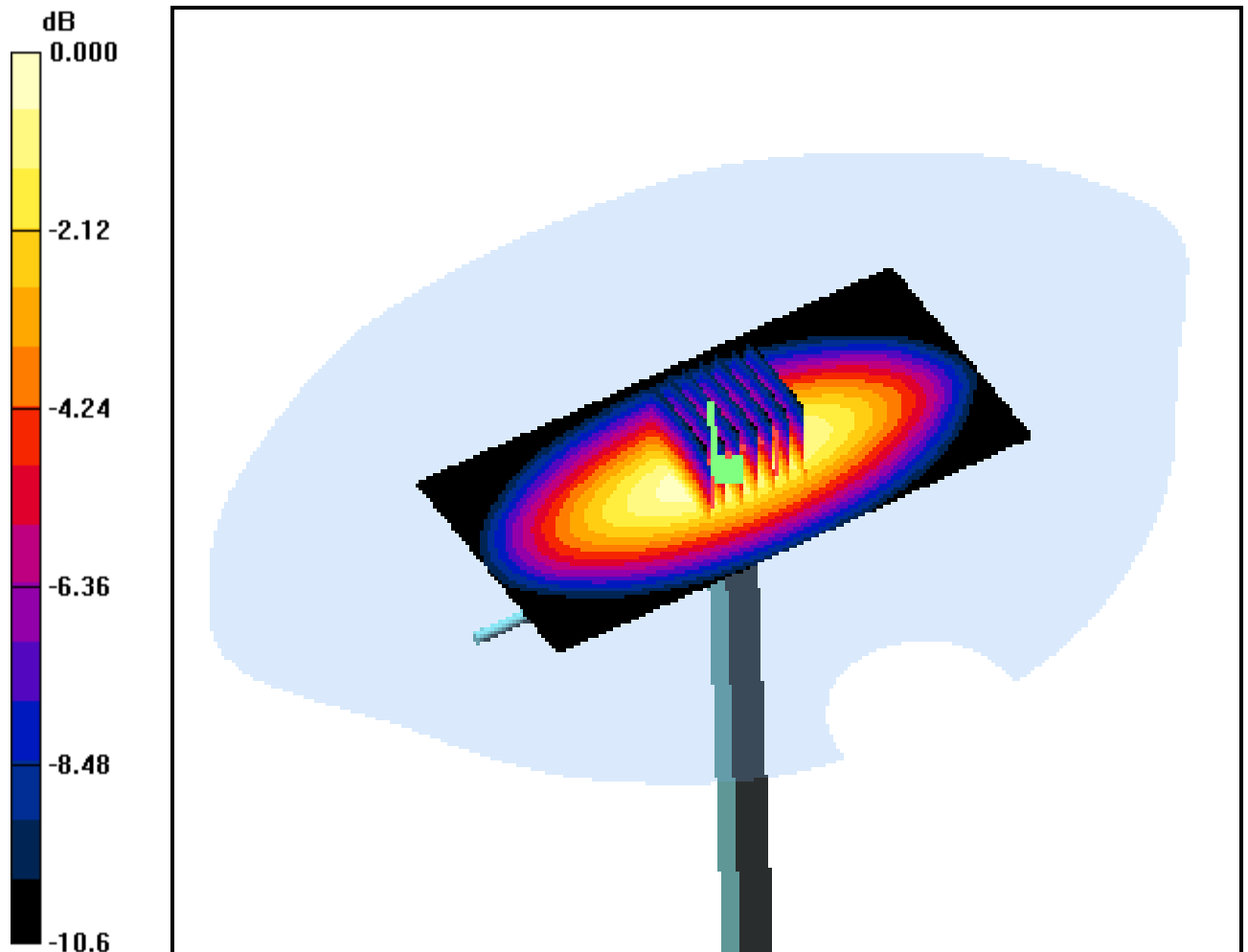
Area Scan (51x101x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

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

Power Drift = -0.047 dB

Peak SAR (extrapolated) = 3.61 W/kg

SAR(1 g) = 2.45 mW/g; SAR(10 g) = 1.59 mW/g



0 dB = 2.64mW/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: $f = 1900 \text{ MHz}$; $\sigma = 1.44 \text{ mho/m}$; $\epsilon_r = 39.1$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

DASY4 Configuration:

Probe: ET3DV6 - SN1702; ConvF(5.29, 5.29, 5.29); Calibrated: 2006-03-23; 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: 2007-02-21; Ambient Temp: 20.5; Tissue Temp: 20.0

Dipole Validation

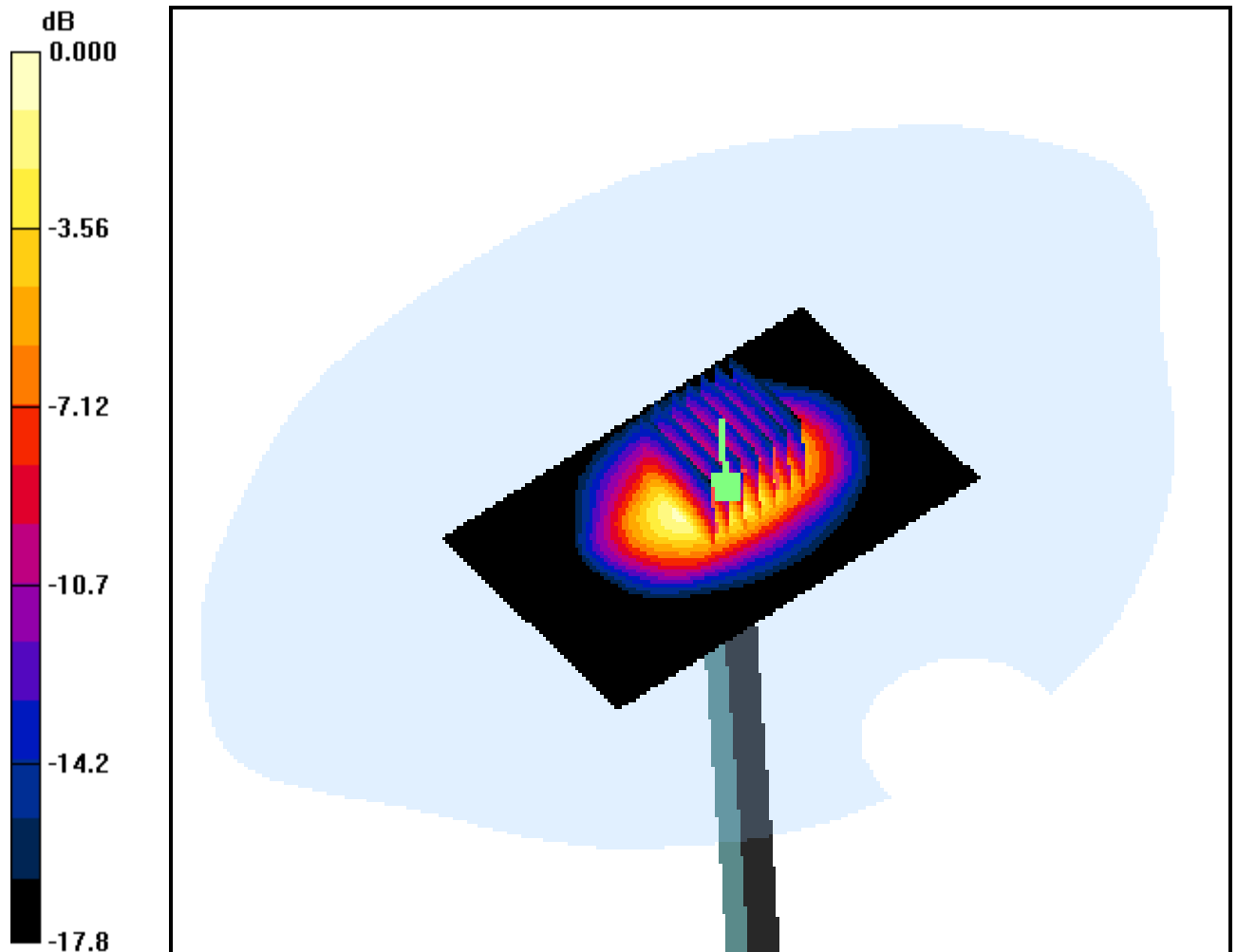
Area Scan (51x81x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

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

Power Drift = 0.001 dB

Peak SAR (extrapolated) = 18.2 W/kg

SAR(1 g) = 9.9 mW/g; SAR(10 g) = 5.11 mW/g



0 dB = 11.1mW/g

DIGITAL EMC CO., LTD

DUT: MGQ9180; Type: Slide Type

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

Medium parameters used: $f = 824.2$ MHz; $\sigma = 0.899$ mho/m; $\epsilon_r = 41.9$; $\rho = 1000$ kg/m³

Phantom section: Right Section

DASY4 Configuration:

Probe: ET3DV6 - SN1702; ConvF(6.66, 6.66, 6.66); Calibrated: 2006-03-23; 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

Date: 2007-02-27; Ambient Temp: 20.0; Tissue Temp: 20.0

Right Touch, Slide_Up, GSM Ch.128, Ant Intenna, Standard Battery

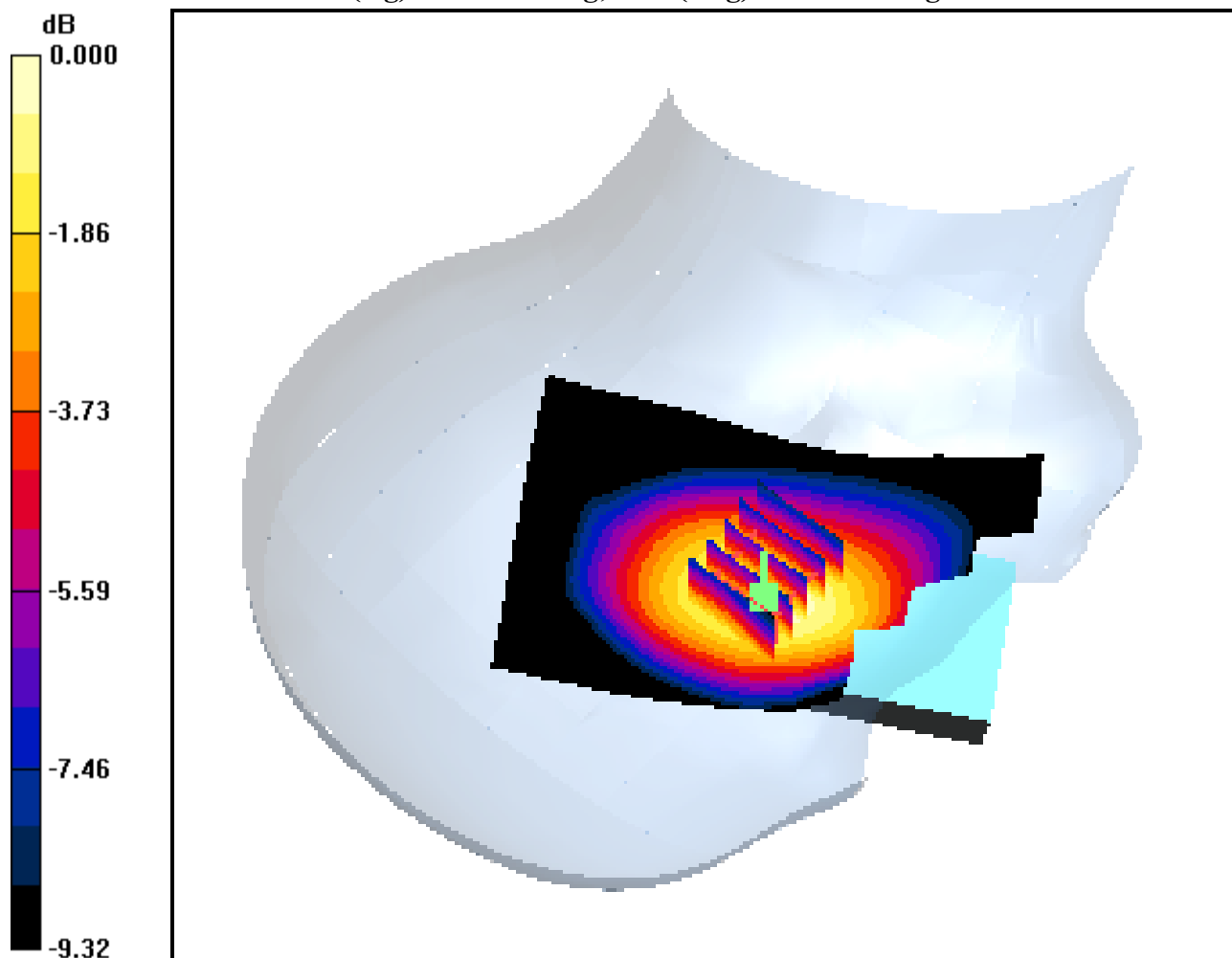
Area Scan (61x101x1): Measurement grid: dx=15mm, dy=15mm

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

Power Drift = 0.016 dB

Peak SAR (extrapolated) = 0.353 W/kg

SAR(1 g) = 0.275 mW/g; SAR(10 g) = 0.199 mW/g



0 dB = 0.291mW/g

DIGITAL EMC CO., LTD

DUT: MGQ9180; Type: Slide Type

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

Medium parameters used: $f = 836.6 \text{ MHz}$; $\sigma = 0.911 \text{ mho/m}$; $\epsilon_r = 41.8$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Right Section

DASY4 Configuration:

Probe: ET3DV6 - SN1702; ConvF(6.66, 6.66, 6.66); Calibrated: 2006-03-23; 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

Date: 2007-02-27; Ambient Temp: 20.0; Tissue Temp: 20.0

Right Touch, Slide_Up, GSM Ch.190, Ant Intenna, Standard Battery

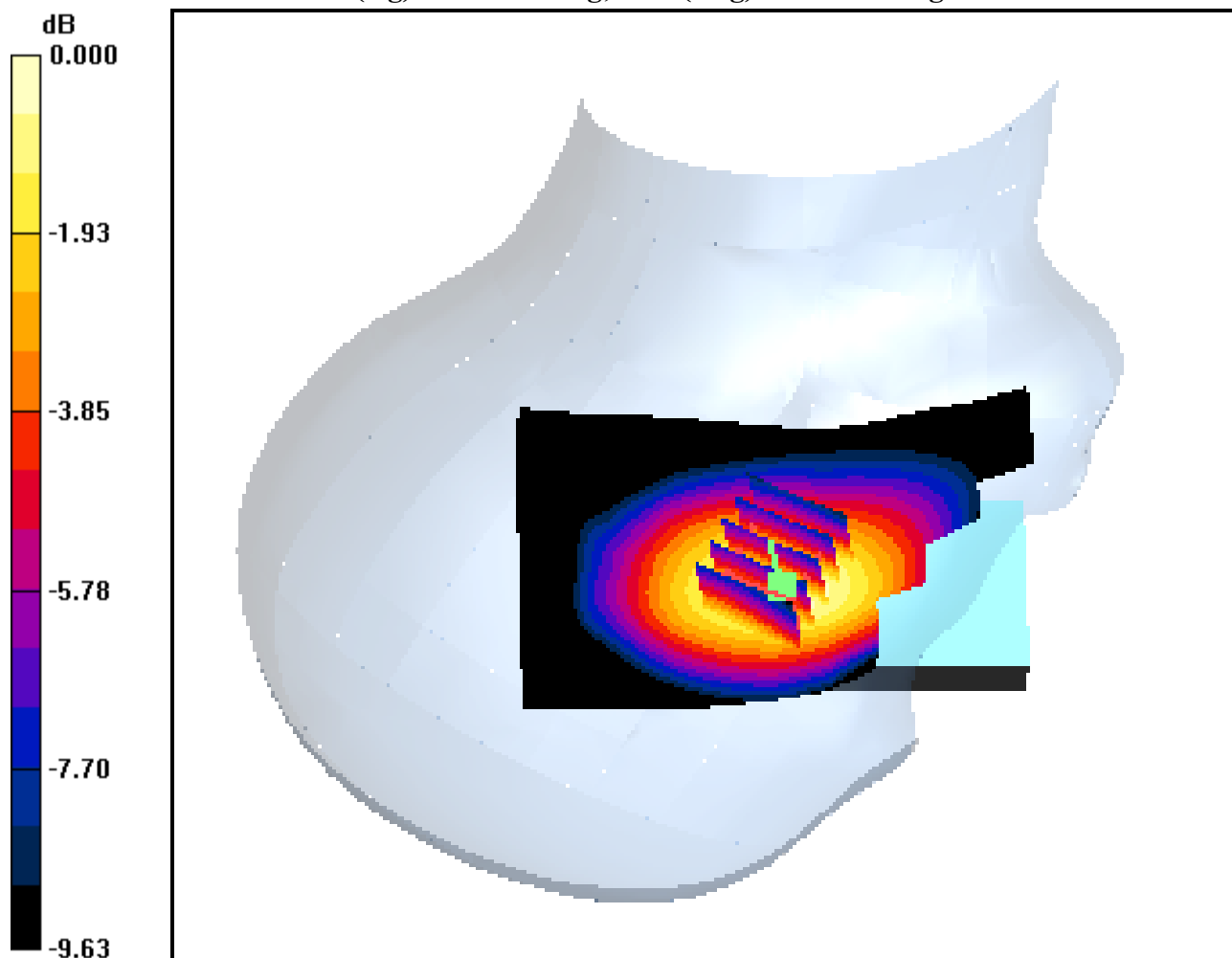
Area Scan (61x101x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

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) = 0.329 W/kg

SAR(1 g) = 0.251 mW/g; SAR(10 g) = 0.179 mW/g



0 dB = 0.266mW/g

DIGITAL EMC CO., LTD

DUT: MGQ9180; Type: Slide Type

Communication System: GSM 850; Frequency: 848.8 MHz; Duty Cycle: 1:8.3
Medium parameters used: $f = 848.8 \text{ MHz}$; $\sigma = 0.92 \text{ mho/m}$; $\epsilon_r = 41.6$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Right Section

DASY4 Configuration:

Probe: ET3DV6 - SN1702; ConvF(6.66, 6.66, 6.66); Calibrated: 2006-03-23; 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

Date: 2007-02-27; Ambient Temp: 20.0; Tissue Temp: 20.0

Right Touch, Slide_Up, GSM Ch.251, Ant Intenna, Standard Battery

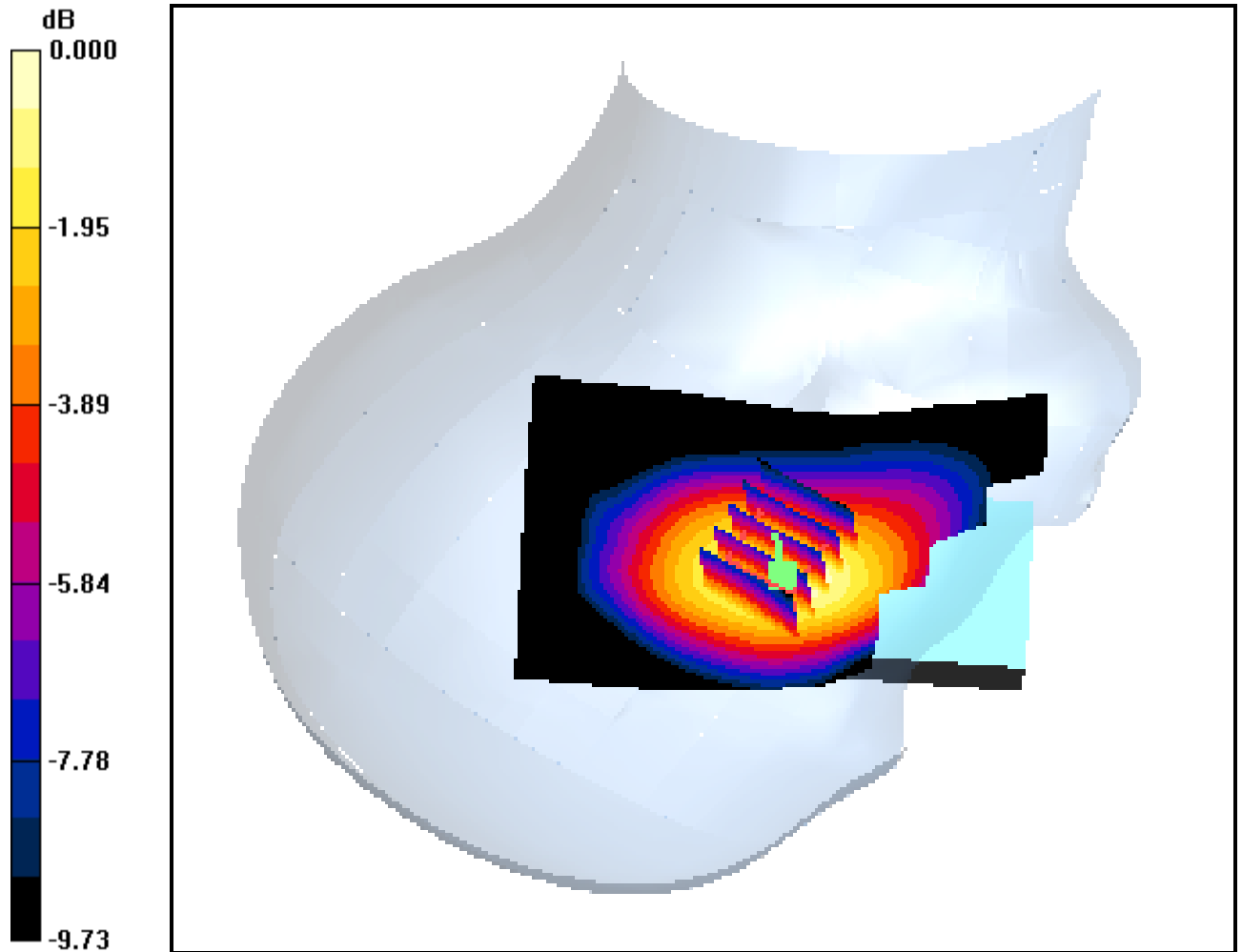
Area Scan (61x101x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

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) = 0.307 W/kg

SAR(1 g) = 0.237 mW/g; SAR(10 g) = 0.168 mW/g



0 dB = 0.252mW/g

DIGITAL EMC CO., LTD

DUT: MGQ9180; Type: Slide Type

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

Medium parameters used: $f = 836.6 \text{ MHz}$; $\sigma = 0.911 \text{ mho/m}$; $\epsilon_r = 41.8$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Right Section

DASY4 Configuration:

Probe: ET3DV6 - SN1702; ConvF(6.66, 6.66, 6.66); Calibrated: 2006-03-23; 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

Date: 2007-02-27; Ambient Temp: 20.0; Tissue Temp: 20.0

Right Tilt, Slide_Up, GSM Ch.190, Ant Intenna, Standard Battery

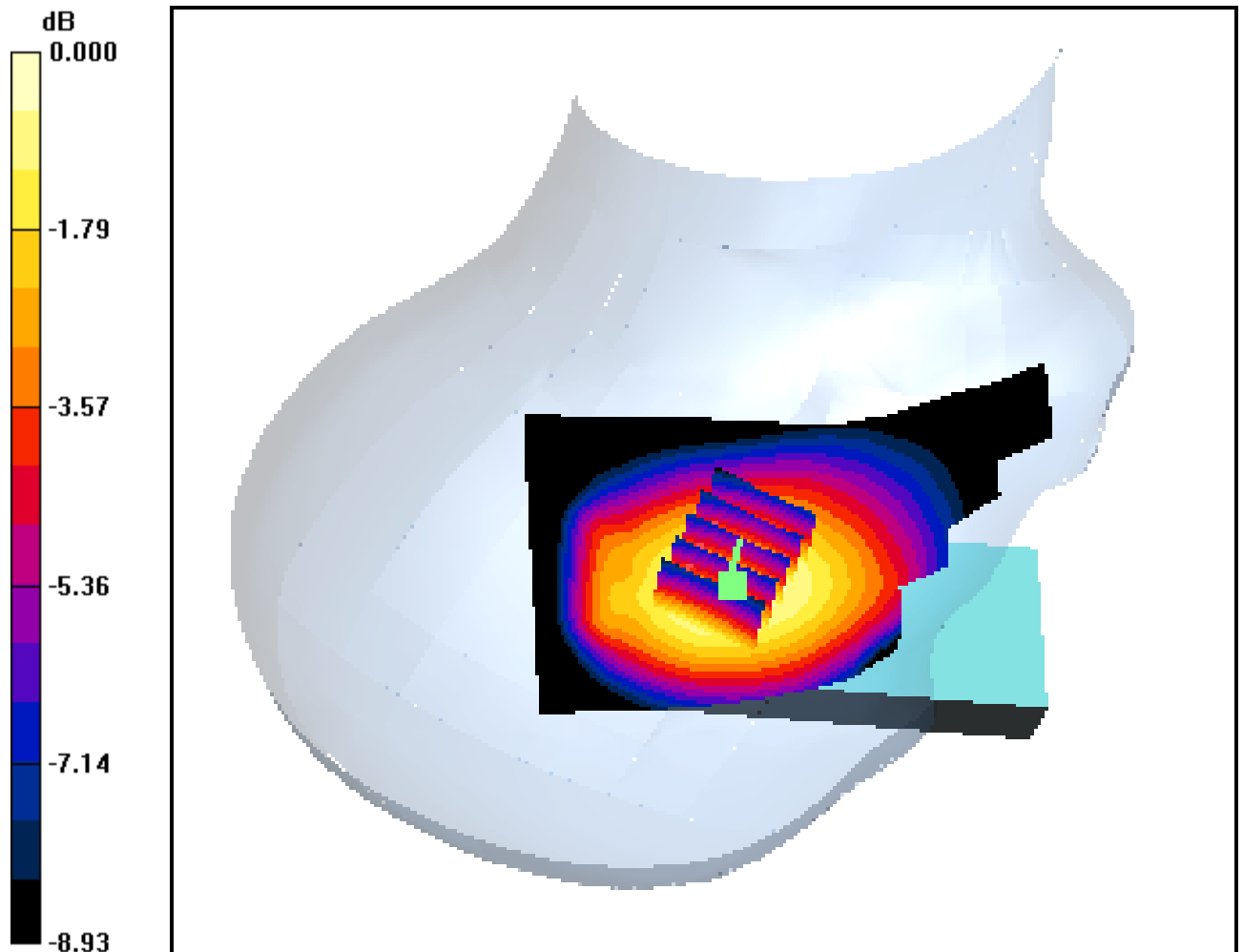
Area Scan (61x101x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

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

Power Drift = -0.068 dB

Peak SAR (extrapolated) = 0.158 W/kg

SAR(1 g) = 0.122 mW/g; SAR(10 g) = 0.090 mW/g



0 dB = 0.129mW/g

DIGITAL EMC CO., LTD

DUT: MGQ9180; Type: Slide Type

Communication System: GSM 850; Frequency: 824.2 MHz; Duty Cycle: 1:8.3
Medium parameters used: $f = 824.2 \text{ MHz}$; $\sigma = 0.899 \text{ mho/m}$; $\epsilon_r = 41.9$; $\rho = 1000 \text{ kg/m}^3$
Phantom section: Left Section

DASY4 Configuration:

Probe: ET3DV6 - SN1702; ConvF(6.66, 6.66, 6.66); Calibrated: 2006-03-23; 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

Date: 2007-02-27; Ambient Temp: 20.0; Tissue Temp: 20.0

Left Touch, Slide_Up, GSM Ch.128, Ant Intenna, Standard Battery

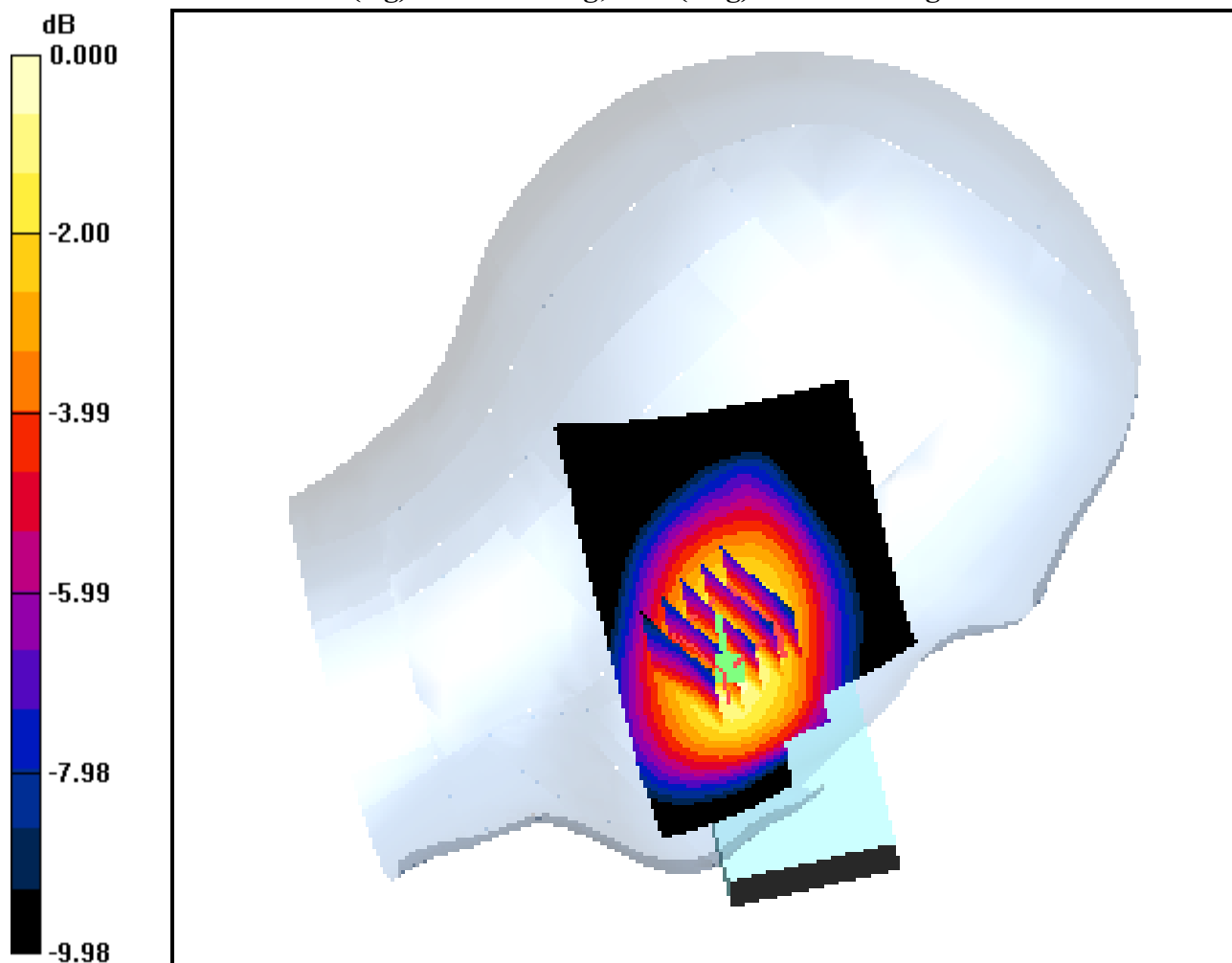
Area Scan (61x101x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

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

Power Drift = 0.088 dB

Peak SAR (extrapolated) = 0.399 W/kg

SAR(1 g) = 0.297 mW/g; SAR(10 g) = 0.210 mW/g



0 dB = 0.317mW/g

DIGITAL EMC CO., LTD

DUT: MGQ9180; Type: Slide Type

Communication System: GSM 850; Frequency: 836.6 MHz; Duty Cycle: 1:8.3
Medium parameters used: $f = 836.6 \text{ MHz}$; $\sigma = 0.911 \text{ mho/m}$; $\epsilon_r = 41.8$; $\rho = 1000 \text{ kg/m}^3$
Phantom section: Left Section

DASY4 Configuration:

Probe: ET3DV6 - SN1702; ConvF(6.66, 6.66, 6.66); Calibrated: 2006-03-23; 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

Date: 2007-02-27; Ambient Temp: 20.0; Tissue Temp: 20.0

Left Touch, Slide_Up, GSM Ch.190, Ant Intenna, Standard Battery

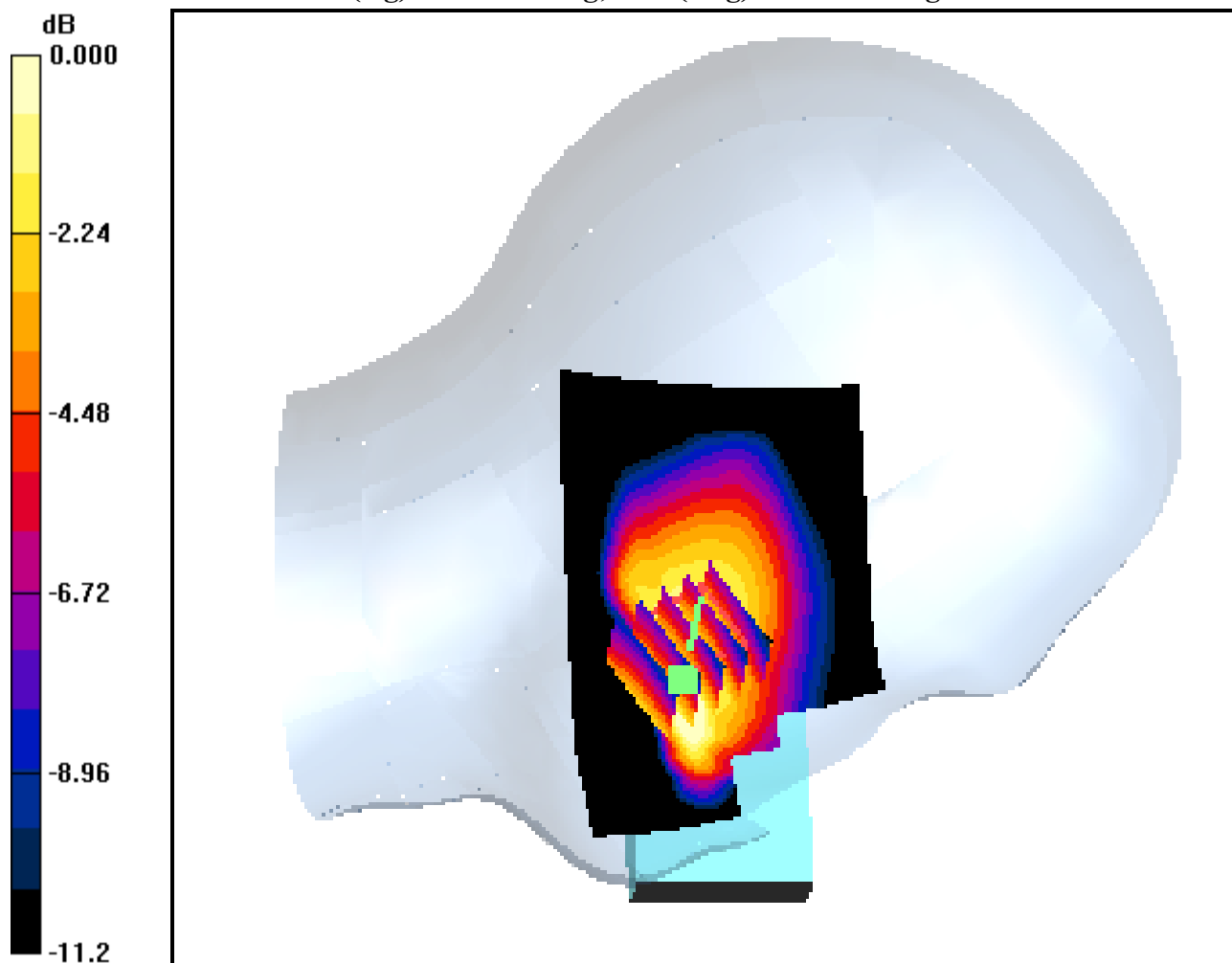
Area Scan (61x101x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

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

Power Drift = -0.014 dB

Peak SAR (extrapolated) = 0.401 W/kg

SAR(1 g) = 0.297 mW/g; SAR(10 g) = 0.206 mW/g



0 dB = 0.317mW/g

DIGITAL EMC CO., LTD

DUT: MGQ9180; Type: Slide Type

Communication System: GSM 850; Frequency: 848.8 MHz; Duty Cycle: 1:8.3
Medium parameters used: $f = 848.8 \text{ MHz}$; $\sigma = 0.92 \text{ mho/m}$; $\epsilon_r = 41.6$; $\rho = 1000 \text{ kg/m}^3$
Phantom section: Left Section

DASY4 Configuration:

Probe: ET3DV6 - SN1702; ConvF(6.66, 6.66, 6.66); Calibrated: 2006-03-23; 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

Date: 2007-02-27; Ambient Temp: 20.0; Tissue Temp: 20.0

Left Touch, Slide_Up, GSM Ch.251, Ant Intenna, Standard Battery

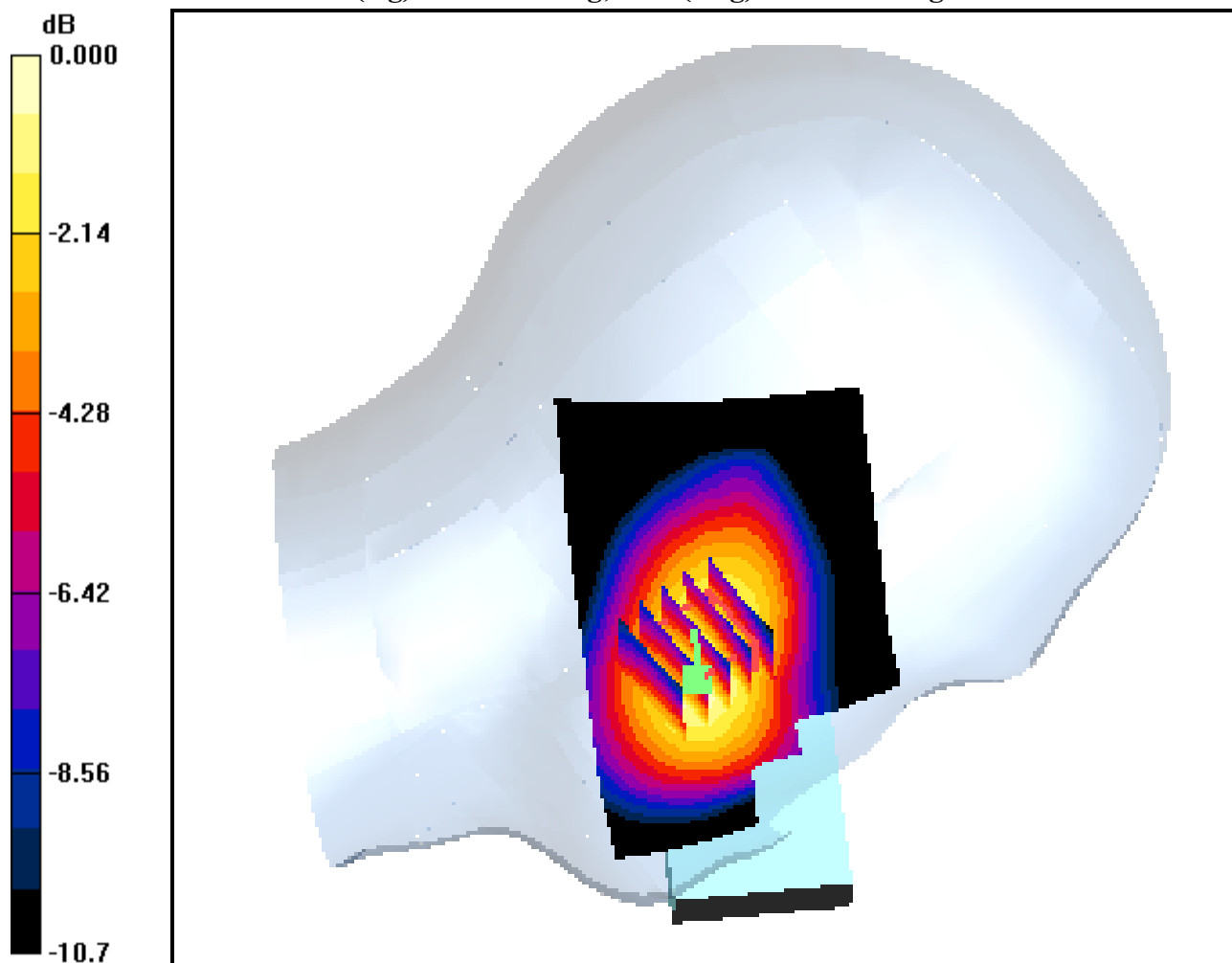
Area Scan (61x101x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

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) = 0.384 W/kg

SAR(1 g) = 0.286 mW/g; SAR(10 g) = 0.198 mW/g



0 dB = 0.304mW/g

DIGITAL EMC CO., LTD

DUT: MGQ9180; Type: Slide Type

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

Medium parameters used: $f = 836.6 \text{ MHz}$; $\sigma = 0.911 \text{ mho/m}$; $\epsilon_r = 41.8$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Left Section

DASY4 Configuration:

Probe: ET3DV6 - SN1702; ConvF(6.66, 6.66, 6.66); Calibrated: 2006-03-23; 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

Date: 2007-02-27; Ambient Temp: 20.0; Tissue Temp: 20.0

Left Tilt, Slide_Up, GSM Ch.190, Ant Intenna, Standard Battery

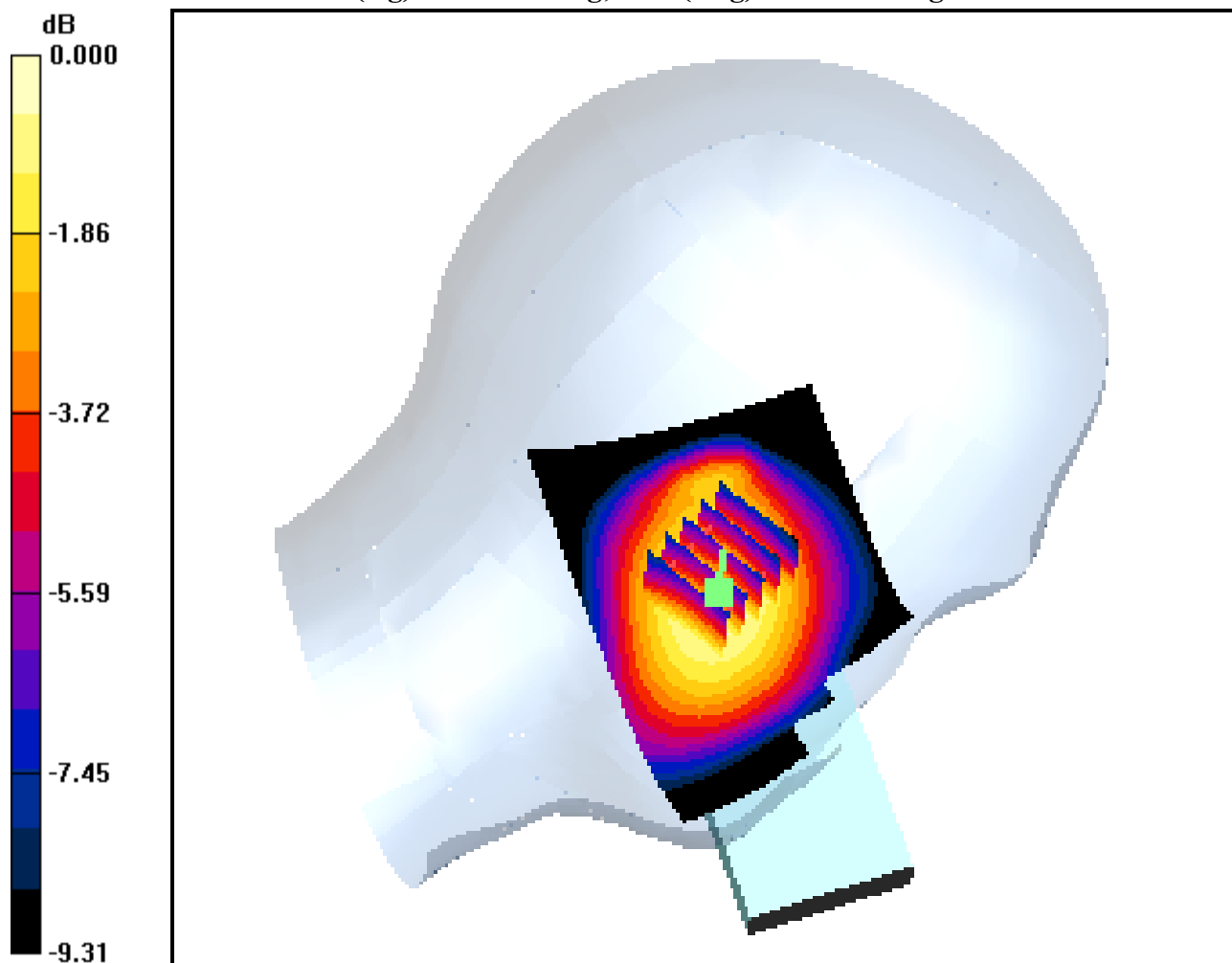
Area Scan (61x101x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

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

Power Drift = 0.028 dB

Peak SAR (extrapolated) = 0.168 W/kg

SAR(1 g) = 0.131 mW/g; SAR(10 g) = 0.096 mW/g



0 dB = 0.140mW/g

DIGITAL EMC CO., LTD

DUT: MGQ9180; Type: Slide Type

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

Medium parameters used: $f = 824.2$ MHz; $\sigma = 0.899$ mho/m; $\epsilon_r = 41.9$; $\rho = 1000$ kg/m³

Phantom section: Right Section

DASY4 Configuration:

Probe: ET3DV6 - SN1702; ConvF(6.66, 6.66, 6.66); Calibrated: 2006-03-23; 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

Date: 2007-02-27; Ambient Temp: 20.0; Tissue Temp: 20.0

Right Touch, Slide_Down, GSM Ch.128, Ant Intenna, Standard Battery

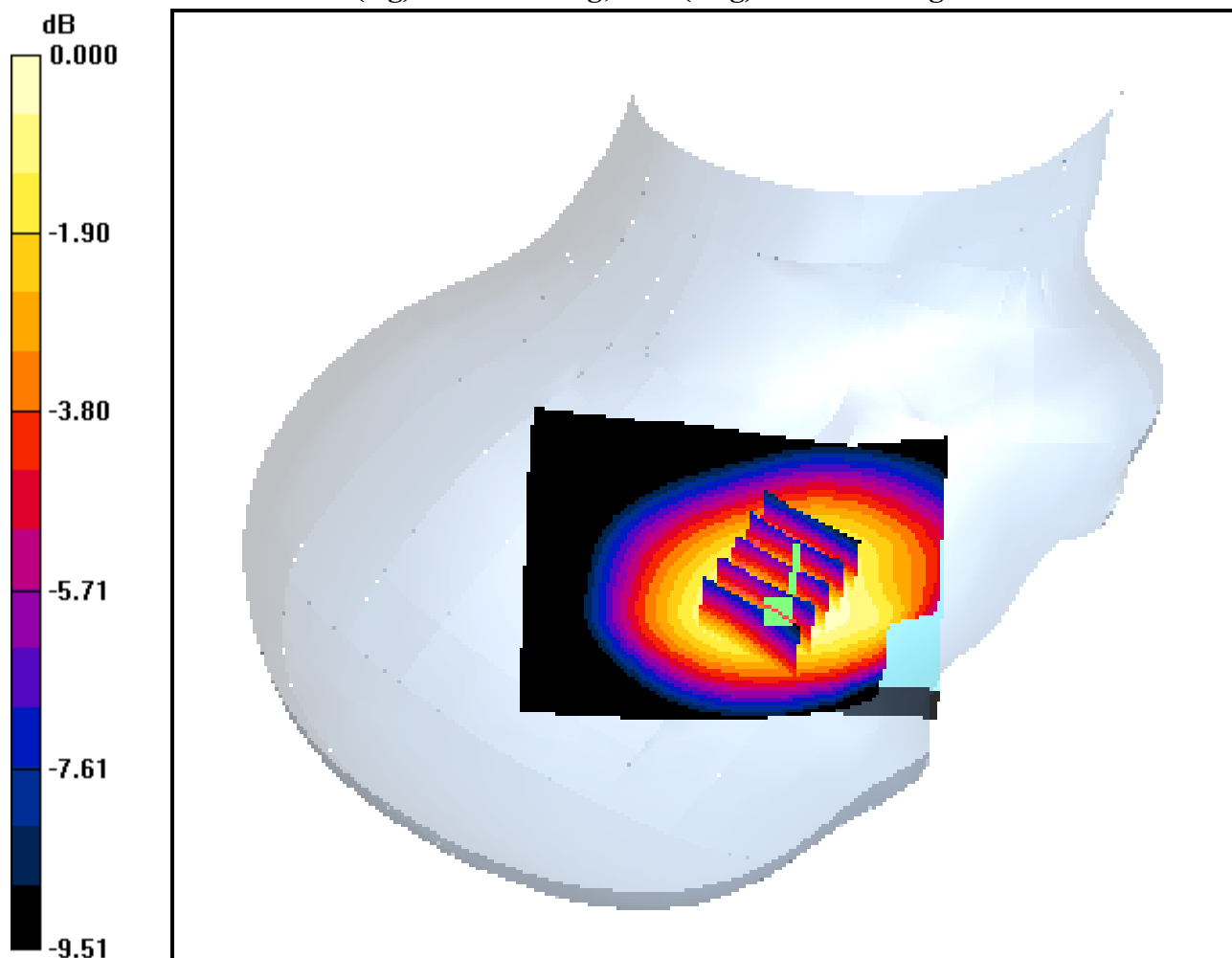
Area Scan (61x81x1): Measurement grid: dx=15mm, dy=15mm

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

Power Drift = -0.111 dB

Peak SAR (extrapolated) = 0.487 W/kg

SAR(1 g) = 0.398 mW/g; SAR(10 g) = 0.297 mW/g



0 dB = 0.416mW/g

DIGITAL EMC CO., LTD

DUT: MGQ9180; Type: Slide Type

Communication System: GSM 850; Frequency: 836.6 MHz; Duty Cycle: 1:8.3
Medium parameters used: $f = 836.6 \text{ MHz}$; $\sigma = 0.911 \text{ mho/m}$; $\epsilon_r = 41.8$; $\rho = 1000 \text{ kg/m}^3$
Phantom section: Right Section

DASY4 Configuration:

Probe: ET3DV6 - SN1702; ConvF(6.66, 6.66, 6.66); Calibrated: 2006-03-23; 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

Date: 2007-02-27; Ambient Temp: 20.0; Tissue Temp: 20.0

Right Touch, Slide_Down, GSM Ch.190, Ant Intenna, Standard Battery

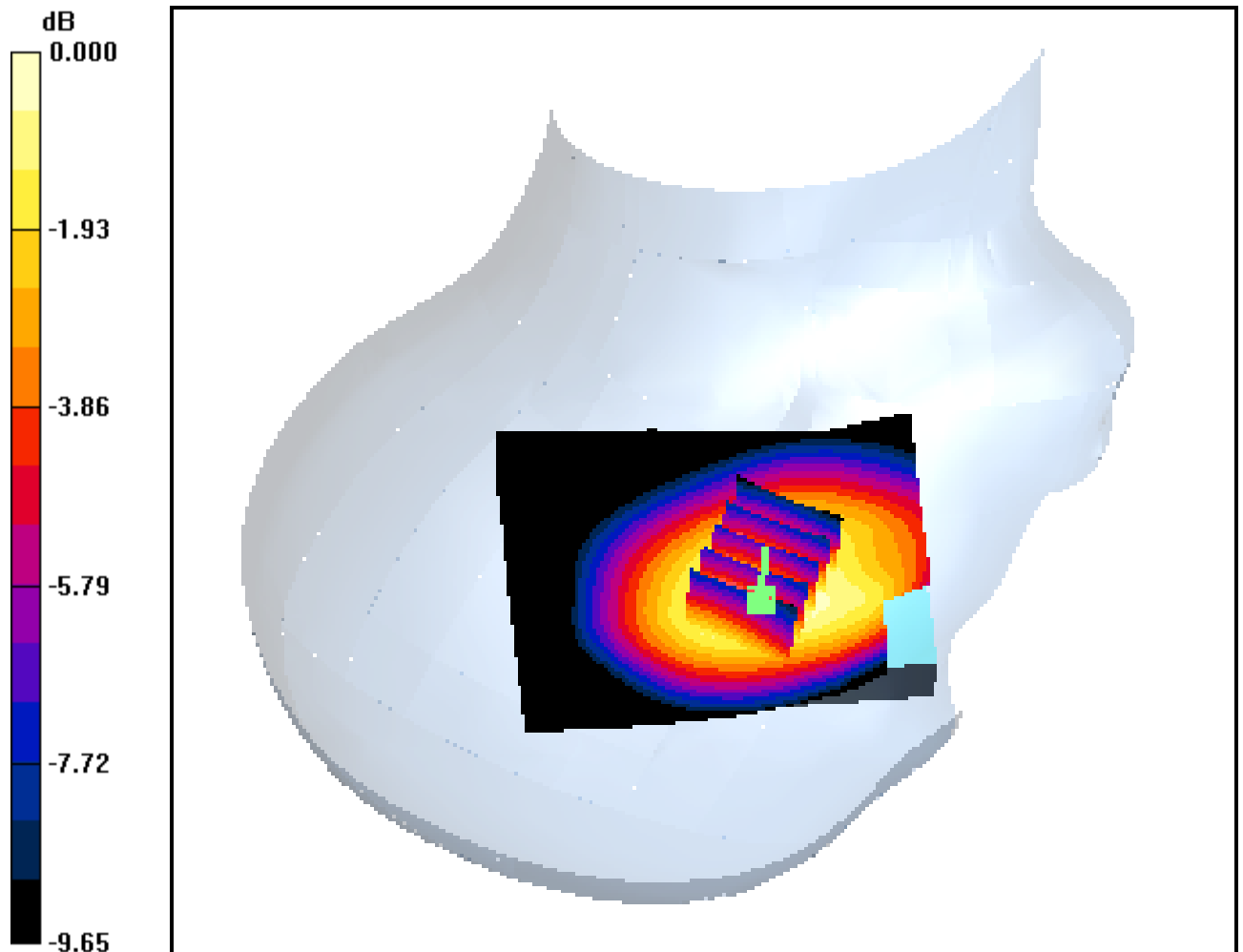
Area Scan (61x81x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

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

Power Drift = -0.175 dB

Peak SAR (extrapolated) = 0.561 W/kg

SAR(1 g) = 0.437 mW/g; SAR(10 g) = 0.325 mW/g



0 dB = 0.457mW/g

DIGITAL EMC CO., LTD

DUT: MGQ9180; Type: Slide Type

Communication System: GSM 850; Frequency: 848.8 MHz; Duty Cycle: 1:8.3
Medium parameters used: $f = 848.8 \text{ MHz}$; $\sigma = 0.92 \text{ mho/m}$; $\epsilon_r = 41.6$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Right Section

DASY4 Configuration:

Probe: ET3DV6 - SN1702; ConvF(6.66, 6.66, 6.66); Calibrated: 2006-03-23; 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

Date: 2007-02-27; Ambient Temp: 20.0; Tissue Temp: 20.0

Right Touch, Slide_Down, GSM Ch.251, Ant Intenna, Standard Battery

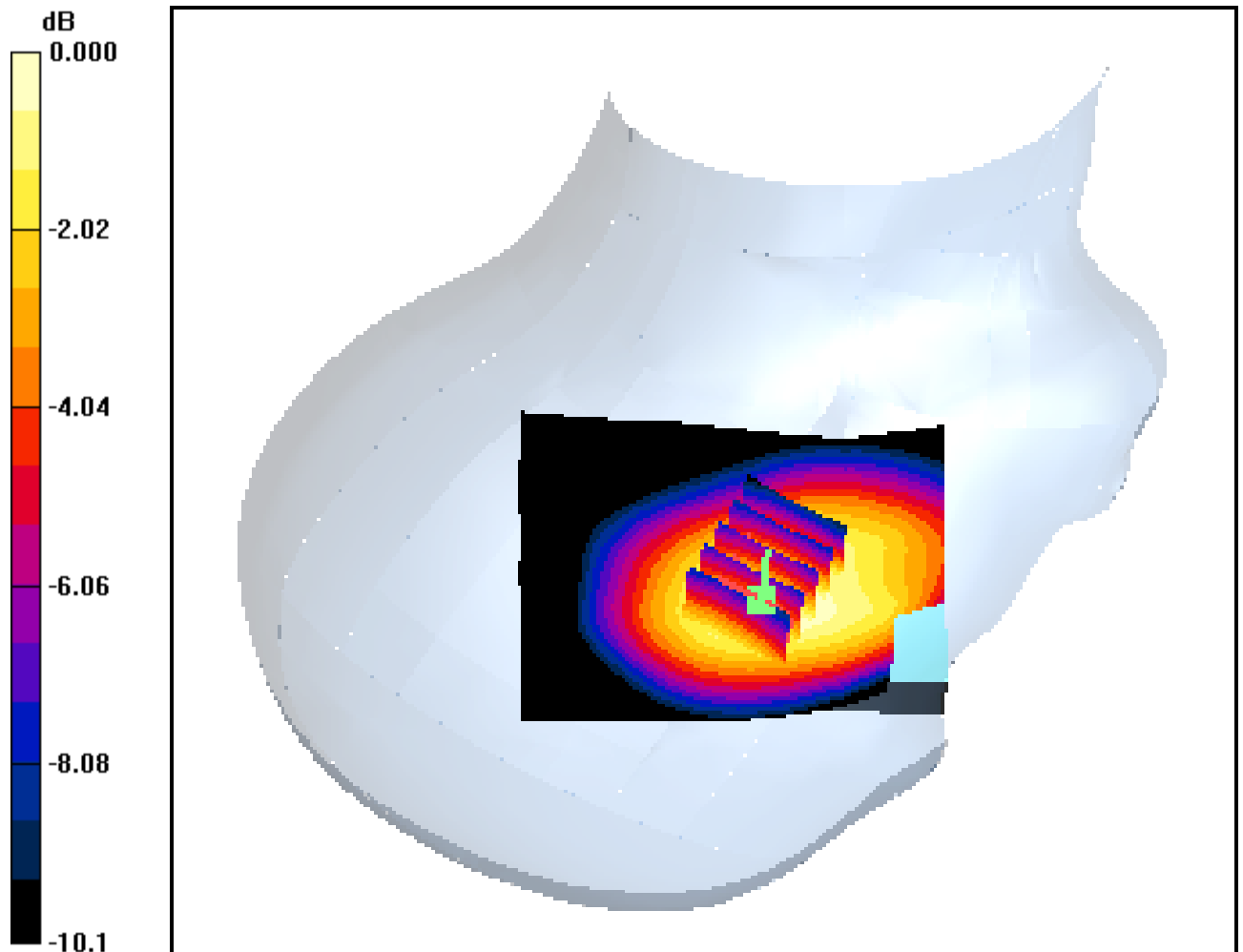
Area Scan (61x81x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

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

Power Drift = -0.026 dB

Peak SAR (extrapolated) = 0.576 W/kg

SAR(1 g) = 0.453 mW/g; SAR(10 g) = 0.337 mW/g



0 dB = 0.472mW/g

DIGITAL EMC CO., LTD

DUT: MGQ9180; Type: Slide Type

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

Medium parameters used: $f = 836.6 \text{ MHz}$; $\sigma = 0.911 \text{ mho/m}$; $\epsilon_r = 41.8$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Right Section

DASY4 Configuration:

Probe: ET3DV6 - SN1702; ConvF(6.66, 6.66, 6.66); Calibrated: 2006-03-23; 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

Date: 2007-02-27; Ambient Temp: 20.0; Tissue Temp: 20.0

Right Tilt, Slide_Down, GSM Ch.190, Ant Intenna, Standard Battery

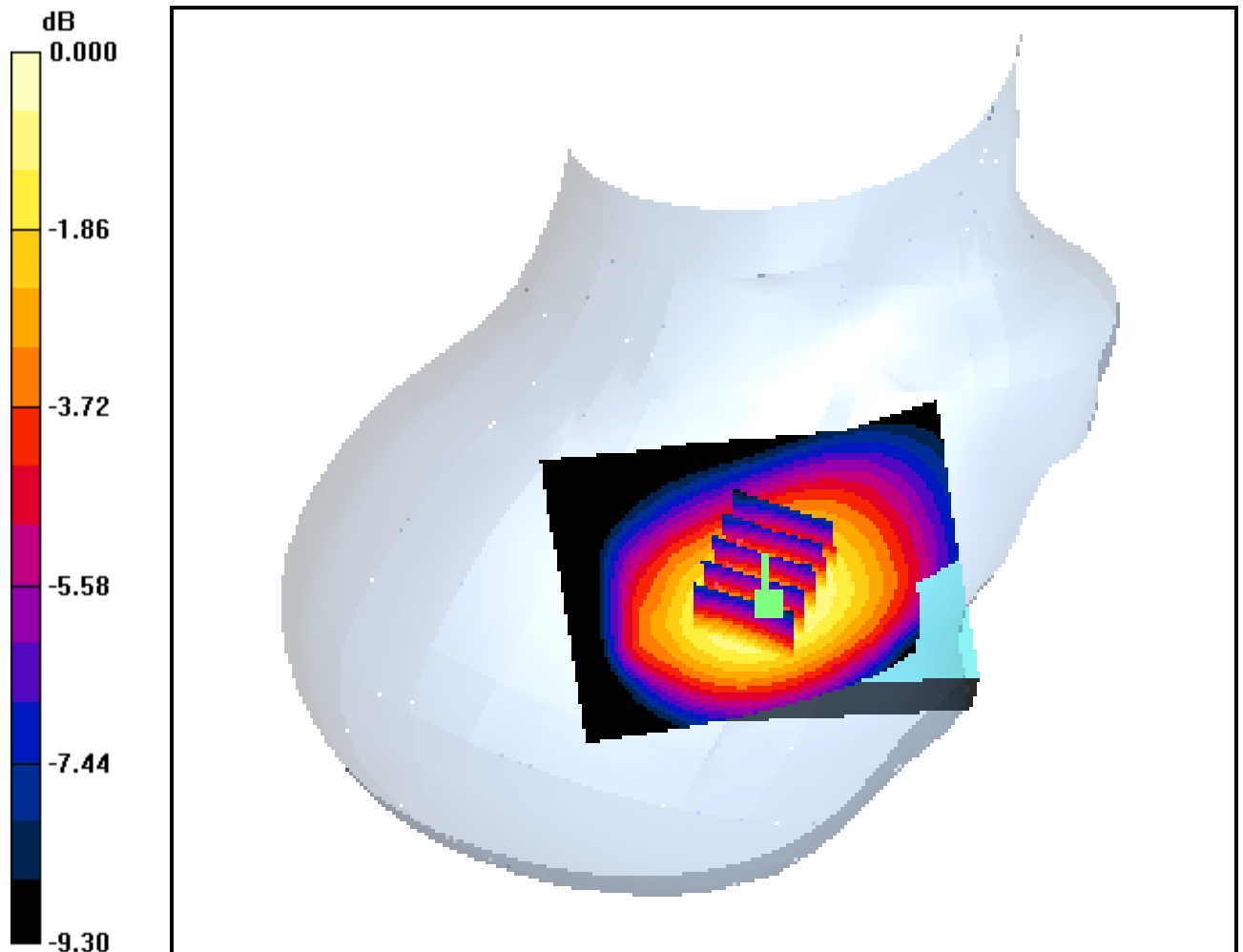
Area Scan (61x81x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

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

Power Drift = 0.008 dB

Peak SAR (extrapolated) = 0.247 W/kg

SAR(1 g) = 0.195 mW/g; SAR(10 g) = 0.144 mW/g



0 dB = 0.207mW/g

DIGITAL EMC CO., LTD

DUT: MGQ9180; Type: Slide Type

Communication System: GSM 850; Frequency: 824.2 MHz; Duty Cycle: 1:8.3
Medium parameters used: $f = 824.2 \text{ MHz}$; $\sigma = 0.899 \text{ mho/m}$; $\epsilon_r = 41.9$; $\rho = 1000 \text{ kg/m}^3$
Phantom section: Left Section

DASY4 Configuration:

Probe: ET3DV6 - SN1702; ConvF(6.66, 6.66, 6.66); Calibrated: 2006-03-23; 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

Date: 2007-02-27; Ambient Temp: 20.0; Tissue Temp: 20.0

Left Touch, Slide_Down, GSM Ch.128, Ant Intenna, Standard Battery

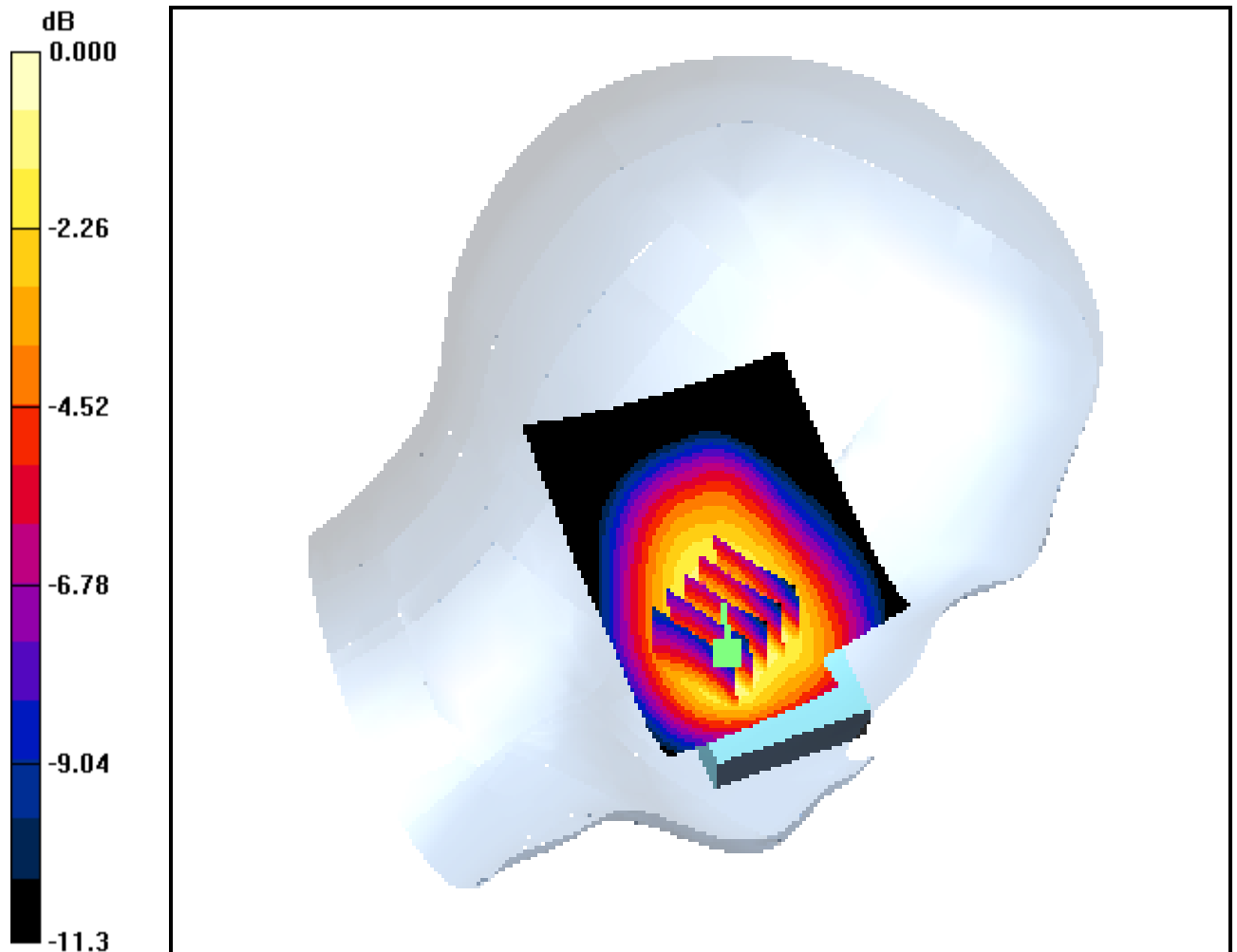
Area Scan (61x81x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

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

Power Drift = -0.217 dB

Peak SAR (extrapolated) = 0.568 W/kg

SAR(1 g) = 0.445 mW/g; SAR(10 g) = 0.322 mW/g



0 dB = 0.472mW/g

DIGITAL EMC CO., LTD

DUT: MGQ9180; Type: Slide Type

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

Medium parameters used: $f = 836.6 \text{ MHz}$; $\sigma = 0.911 \text{ mho/m}$; $\epsilon_r = 41.8$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Left Section

DASY4 Configuration:

Probe: ET3DV6 - SN1702; ConvF(6.66, 6.66, 6.66); Calibrated: 2006-03-23; 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

Date: 2007-02-27; Ambient Temp: 20.0; Tissue Temp: 20.0

Left Touch, Slide_Down, GSM Ch.190, Ant Intenna, Standard Battery

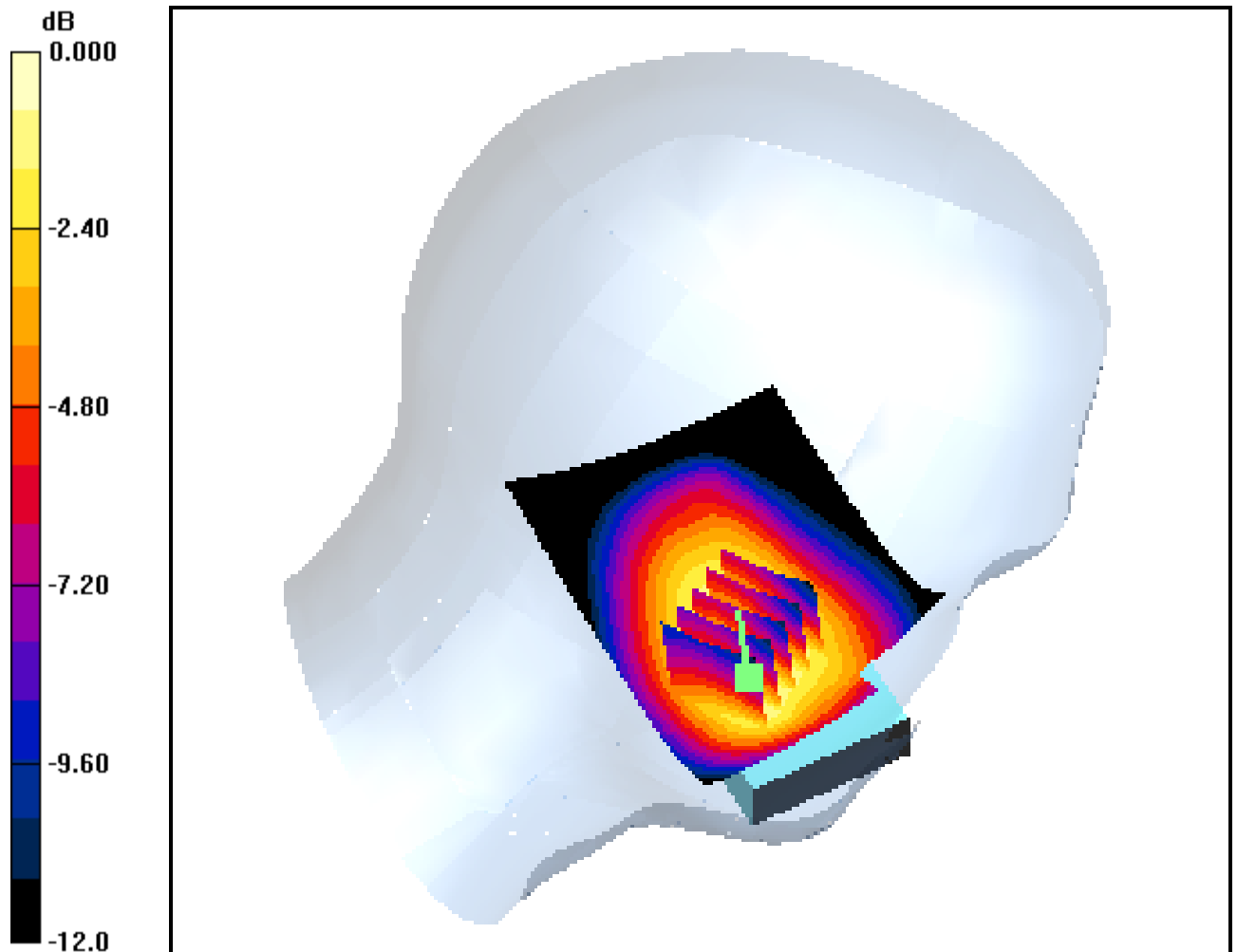
Area Scan (61x81x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

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

Power Drift = -0.047 dB

Peak SAR (extrapolated) = 0.641 W/kg

SAR(1 g) = 0.482 mW/g; SAR(10 g) = 0.346 mW/g



0 dB = 0.509mW/g

DIGITAL EMC CO., LTD

DUT: MGQ9180; Type: Slide Type

Communication System: GSM 850; Frequency: 848.8 MHz; Duty Cycle: 1:8.3
Medium parameters used: $f = 848.8 \text{ MHz}$; $\sigma = 0.92 \text{ mho/m}$; $\epsilon_r = 41.6$; $\rho = 1000 \text{ kg/m}^3$
Phantom section: Left Section

DASY4 Configuration:

Probe: ET3DV6 - SN1702; ConvF(6.66, 6.66, 6.66); Calibrated: 2006-03-23; 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

Date: 2007-02-27; Ambient Temp: 20.0; Tissue Temp: 20.0

Left Touch, Slide_Down, GSM Ch.251, Ant Intenna, Standard Battery

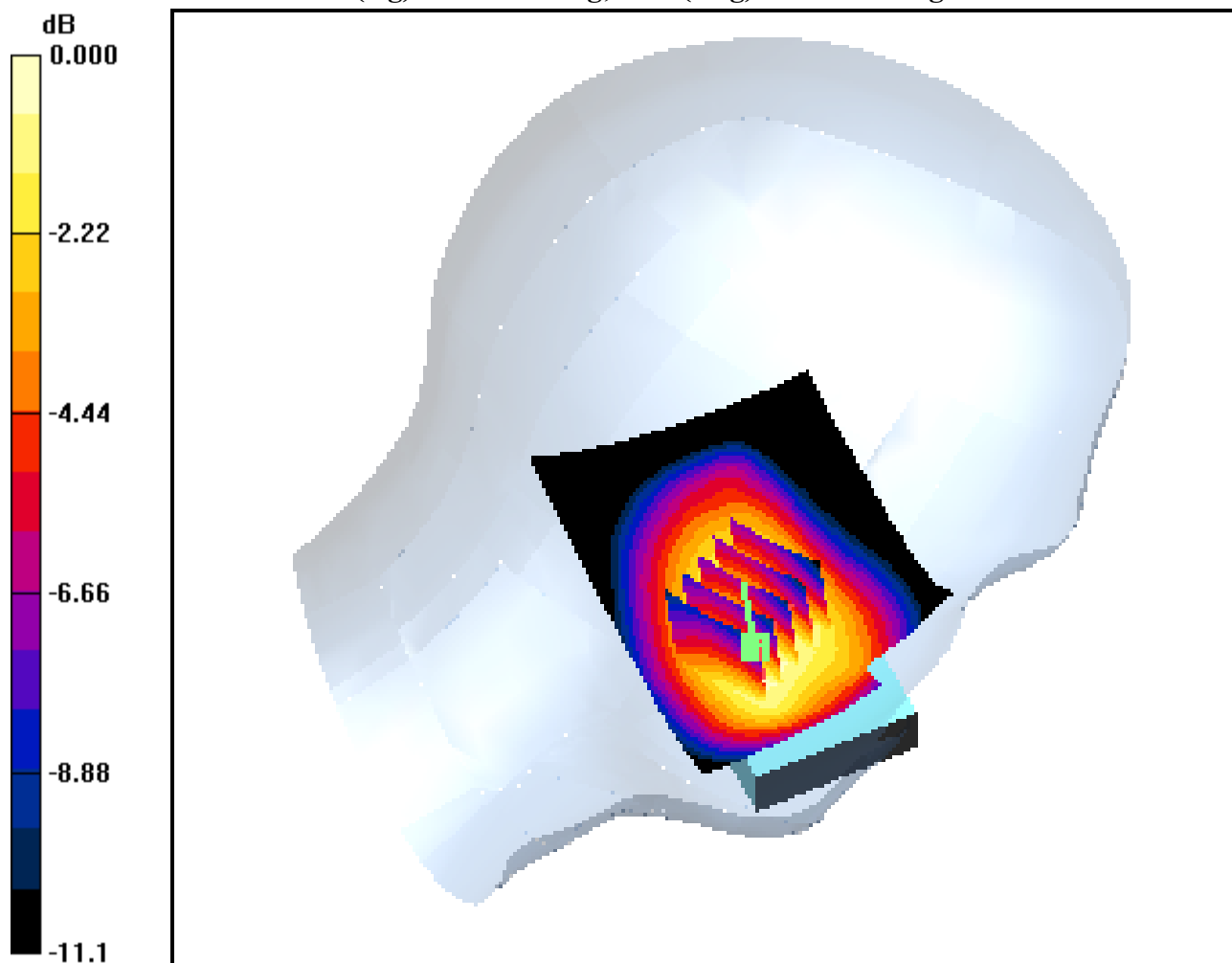
Area Scan (61x81x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

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

Power Drift = 0.044 dB

Peak SAR (extrapolated) = 0.630 W/kg

SAR(1 g) = 0.477 mW/g; SAR(10 g) = 0.342 mW/g



0 dB = 0.507mW/g

DIGITAL EMC CO., LTD

DUT: MGQ9180; Type: Slide Type

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

Medium parameters used: $f = 836.6 \text{ MHz}$; $\sigma = 0.911 \text{ mho/m}$; $\epsilon_r = 41.8$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Left Section

DASY4 Configuration:

Probe: ET3DV6 - SN1702; ConvF(6.66, 6.66, 6.66); Calibrated: 2006-03-23; 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

Date: 2007-02-27; Ambient Temp: 20.0; Tissue Temp: 20.0

Left Tilt, Slide_Down, GSM Ch.190, Ant Intenna, Standard Battery

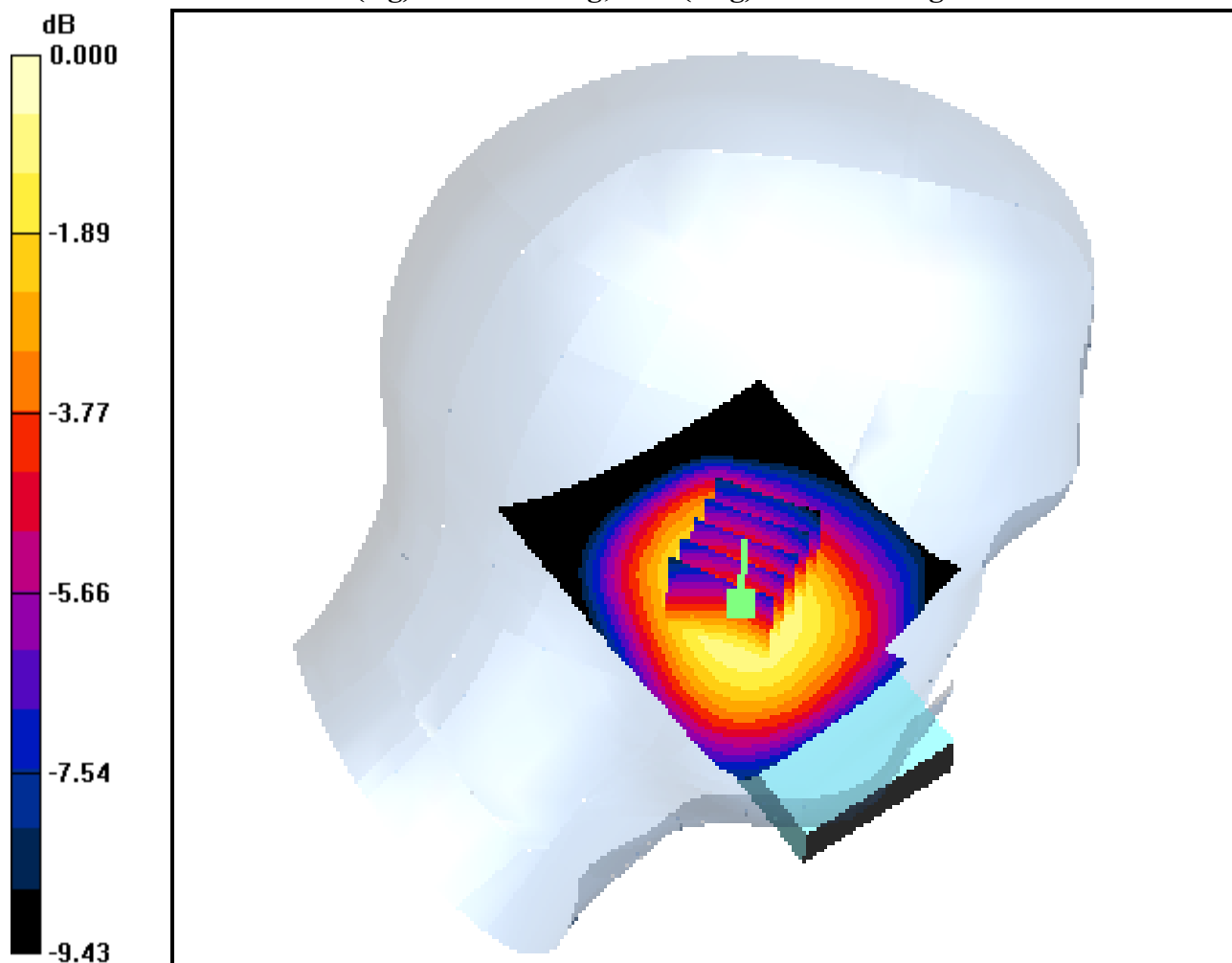
Area Scan (61x81x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

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

Power Drift = 0.031 dB

Peak SAR (extrapolated) = 0.241 W/kg

SAR(1 g) = 0.190 mW/g; SAR(10 g) = 0.141 mW/g



0 dB = 0.200mW/g

DIGITAL EMC CO., LTD

DUT: MGQ9180; Type: Slide Type

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

Medium parameters used: $f = 836.6 \text{ MHz}$; $\sigma = 0.911 \text{ mho/m}$; $\epsilon_r = 41.8$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Left Section

DASY4 Configuration:

Probe: ET3DV6 - SN1702; ConvF(6.66, 6.66, 6.66); Calibrated: 2006-03-23; 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

Date: 2007-02-27; Ambient Temp: 20.0; Tissue Temp: 20.0

Left Touch, Slide_Down, GSM Ch.190, Ant Intenna, Standard Battery With BT ON

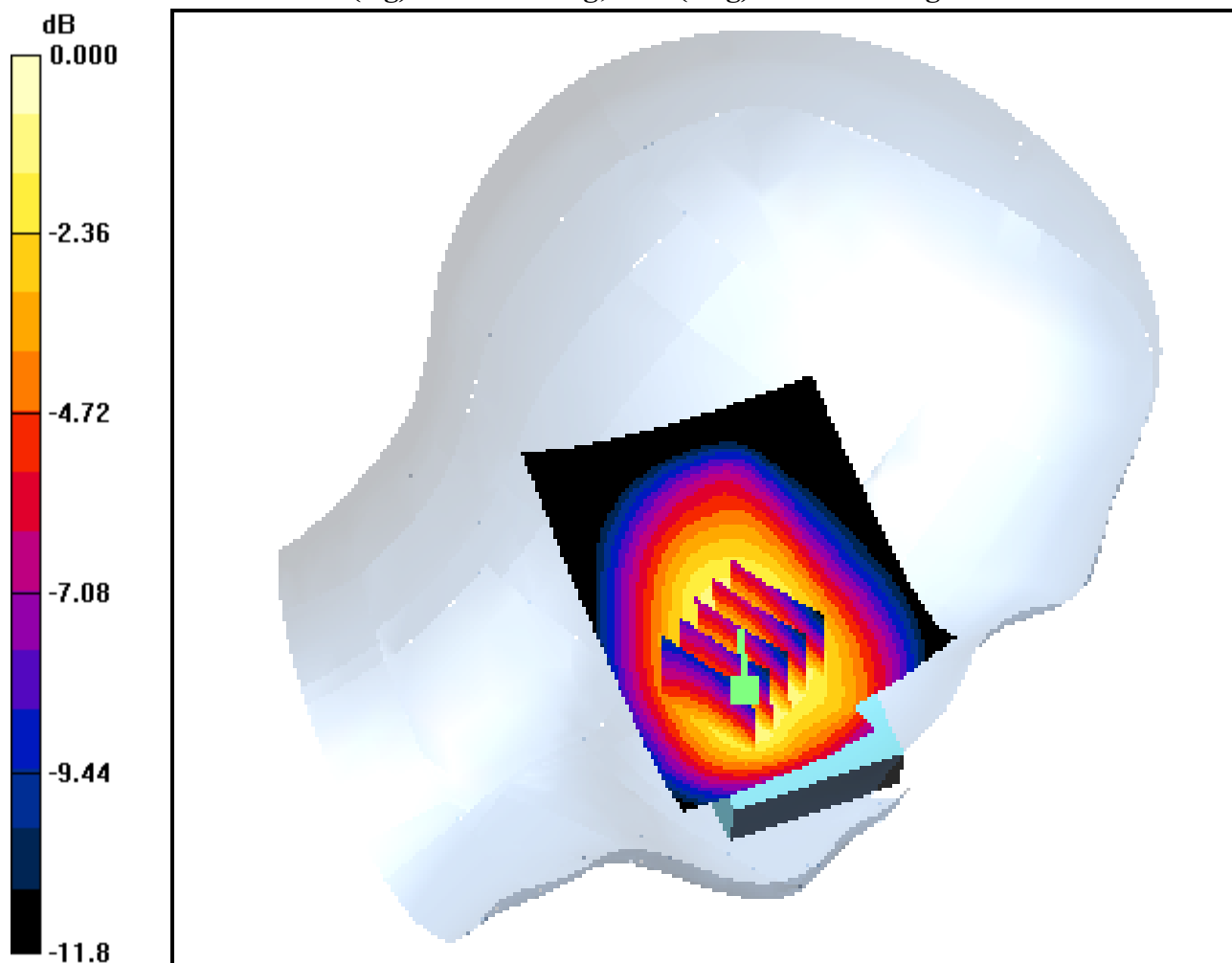
Area Scan (61x81x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

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

Power Drift = -0.135 dB

Peak SAR (extrapolated) = 0.663 W/kg

SAR(1 g) = 0.499 mW/g; SAR(10 g) = 0.359 mW/g



0 dB = 0.525mW/g

DIGITAL EMC CO., LTD

DUT: MGQ9180; Type: Slide Type

Communication System: GSM 850; Frequency: 824.2 MHz; Duty Cycle: 1:4.15
Medium parameters used: $f = 824.2 \text{ MHz}$; $\sigma = 0.985 \text{ mho/m}$; $\epsilon_r = 53.5$; $\rho = 1000 \text{ kg/m}^3$
Phantom section: Flat Section

DASY4 Configuration:

Probe: ET3DV6 - SN1702; ConvF(6.21, 6.21, 6.21); Calibrated: 2006-03-23; Electronics: DAE3 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: 2007-02-27; Ambient Temp: 20.0; Tissue Temp: 20.0

1.5cm from Body, GSM Ch.128, Ant Intenna, Standard Battery GPRS Mode

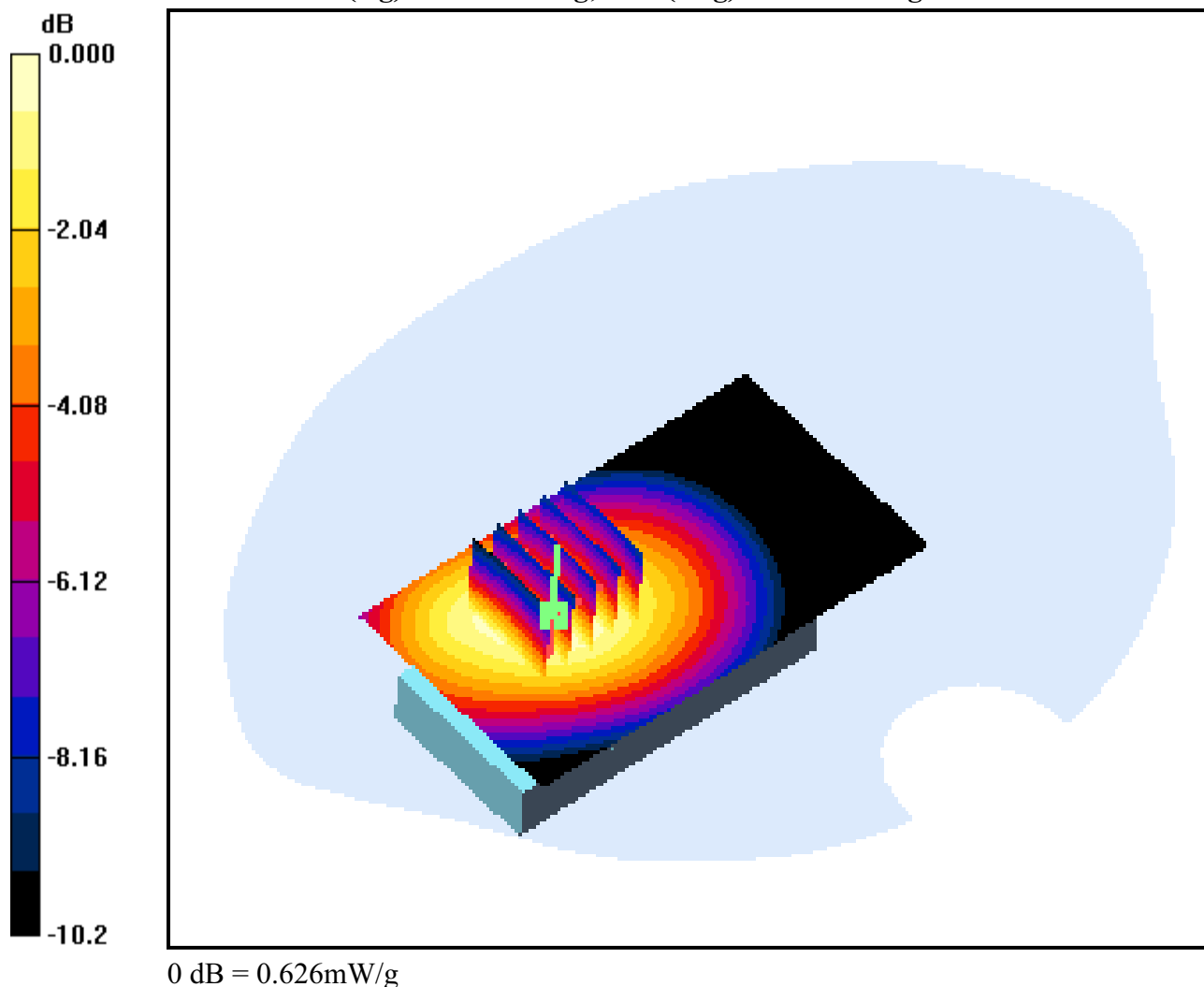
Area Scan (51x91x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

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

Power Drift = -0.241 dB

Peak SAR (extrapolated) = 0.737 W/kg

SAR(1 g) = 0.585 mW/g; SAR(10 g) = 0.417 mW/g



DIGITAL EMC CO., LTD

DUT: MGQ9180; Type: Slide Type

Communication System: GSM 850; Frequency: 836.6 MHz; Duty Cycle: 1:4.15
Medium parameters used: $f = 836.6 \text{ MHz}$; $\sigma = 0.989 \text{ mho/m}$; $\epsilon_r = 53.4$; $\rho = 1000 \text{ kg/m}^3$
Phantom section: Flat Section

DASY4 Configuration:

Probe: ET3DV6 - SN1702; ConvF(6.21, 6.21, 6.21); Calibrated: 2006-03-23; Electronics: DAE3 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: 2007-02-27; Ambient Temp: 20.0; Tissue Temp: 20.0

1.5cm from Body, GSM Ch.190, Ant Intenna, Standard Battery GPRS Mode

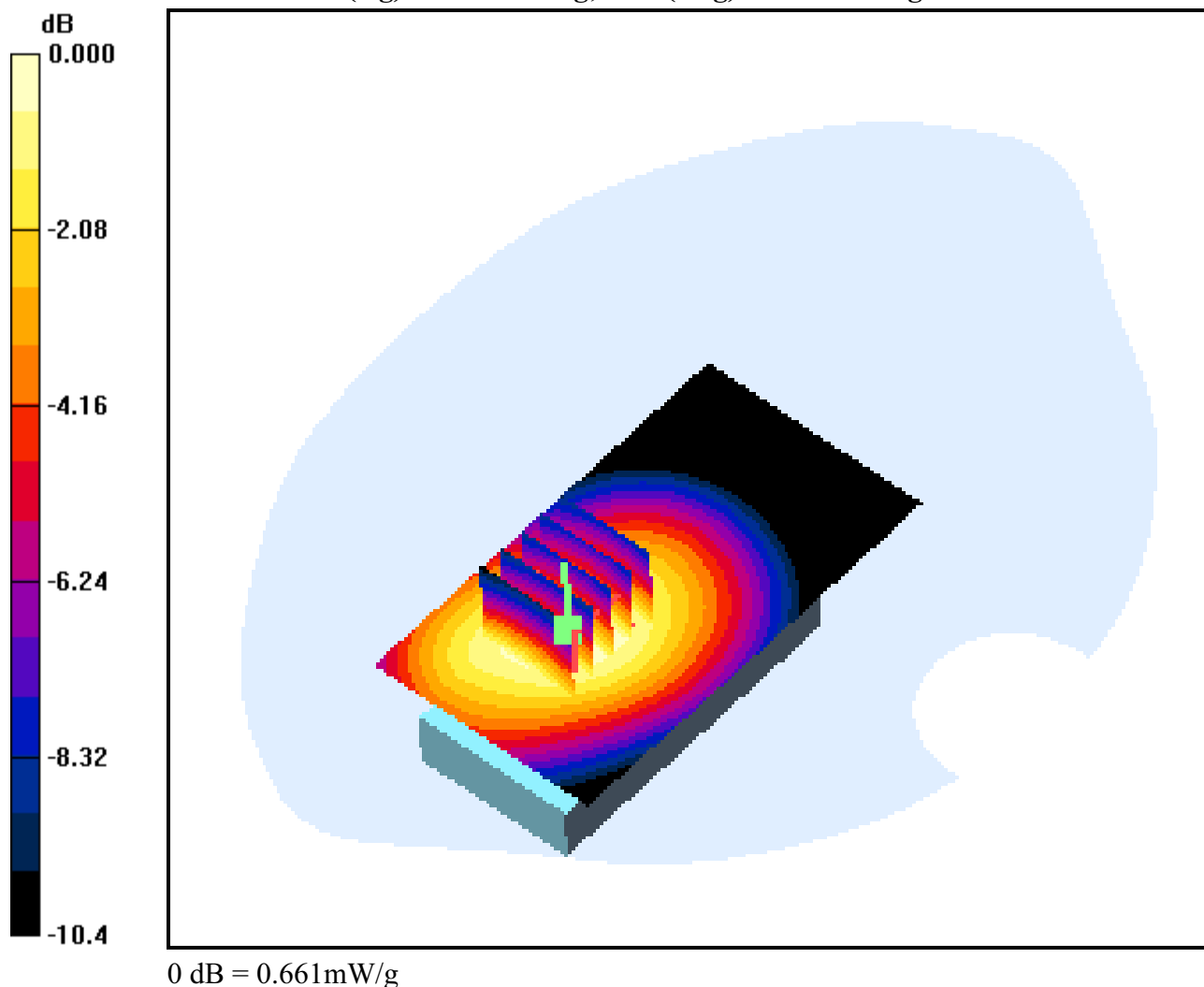
Area Scan (51x91x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

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

Power Drift = -0.157 dB

Peak SAR (extrapolated) = 0.799 W/kg

SAR(1 g) = 0.619 mW/g; SAR(10 g) = 0.440 mW/g



DIGITAL EMC CO., LTD

DUT: MGQ9180; Type: Slide Type

Communication System: GSM 850; Frequency: 848.8 MHz; Duty Cycle: 1:4.15
Medium parameters used: $f = 848.8 \text{ MHz}$; $\sigma = 1.02 \text{ mho/m}$; $\epsilon_r = 53.4$; $\rho = 1000 \text{ kg/m}^3$
Phantom section: Flat Section

DASY4 Configuration:

Probe: ET3DV6 - SN1702; ConvF(6.21, 6.21, 6.21); Calibrated: 2006-03-23; Electronics: DAE3 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: 2007-02-27; Ambient Temp: 20.0; Tissue Temp: 20.0

1.5cm from Body, GSM Ch.251, Ant Intenna, Standard Battery GPRS Mode

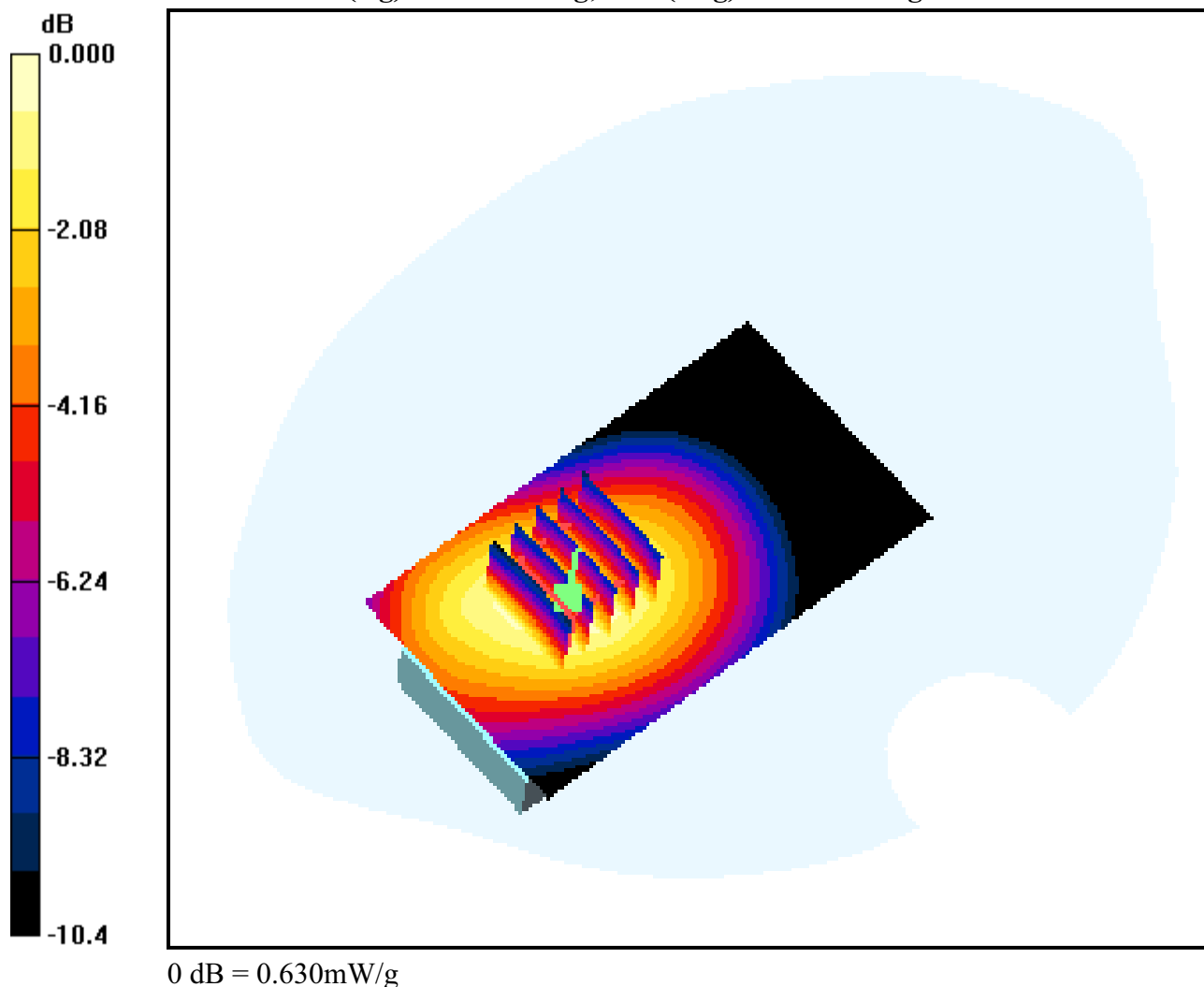
Area Scan (51x91x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

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

Power Drift = -0.145 dB

Peak SAR (extrapolated) = 0.757 W/kg

SAR(1 g) = 0.590 mW/g; SAR(10 g) = 0.418 mW/g



DIGITAL EMC CO., LTD

DUT: MGQ9180; Type: Slide Type

Communication System: GSM 850; Frequency: 836.6 MHz; Duty Cycle: 1:4.15
Medium parameters used: $f = 836.6 \text{ MHz}$; $\sigma = 0.989 \text{ mho/m}$; $\epsilon_r = 53.4$; $\rho = 1000 \text{ kg/m}^3$
Phantom section: Flat Section

DASY4 Configuration:

Probe: ET3DV6 - SN1702; ConvF(6.21, 6.21, 6.21); Calibrated: 2006-03-23; Electronics: DAE3 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: 2007-02-27; Ambient Temp: 20.0; Tissue Temp: 20.0

1.5cm from Body, GSM Ch.190, Ant Intenna, Standard Battery GPRS Mode With BT ON

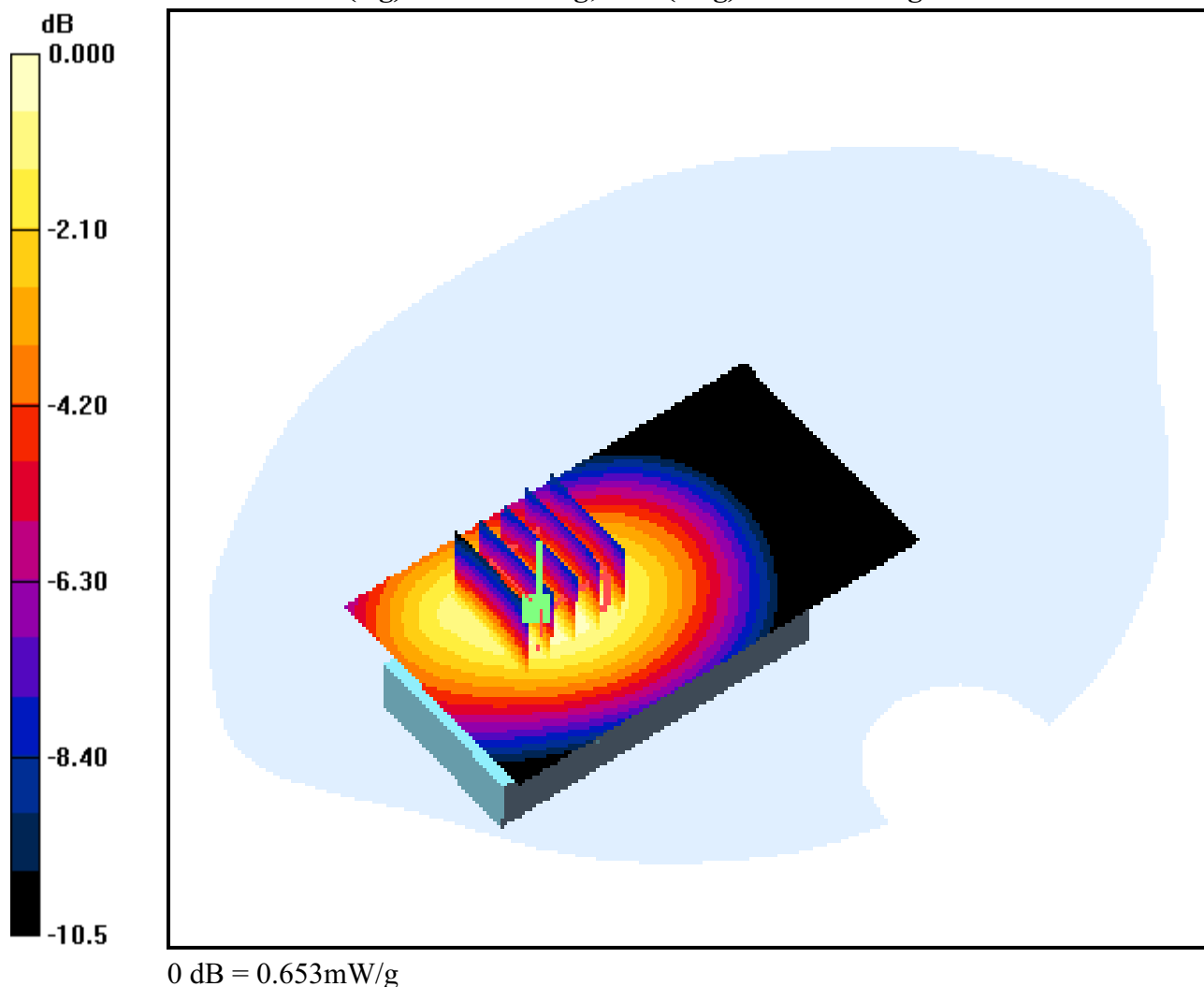
Area Scan (51x91x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

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

Power Drift = -0.068 dB

Peak SAR (extrapolated) = 0.792 W/kg

SAR(1 g) = 0.613 mW/g; SAR(10 g) = 0.436 mW/g



DIGITAL EMC CO., LTD

DUT: MGQ9180; Type: Slide Type

Communication System: PCS1900; Frequency: 1850.2 MHz; Duty Cycle: 1:8.3
Medium parameters used: $f = 1850.2 \text{ MHz}$; $\sigma = 1.38 \text{ mho/m}$; $\epsilon_r = 39$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Right Section

DASY4 Configuration:

Probe: ET3DV6 - SN1702; ConvF(5.29, 5.29, 5.29); Calibrated: 2006-03-23; 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

Date: 2007-02-21; Ambient Temp: 20.5; Tissue Temp: 20.0

Right Touch Slide Up, PCS Ch.512, Ant Intenna, Standard Battery

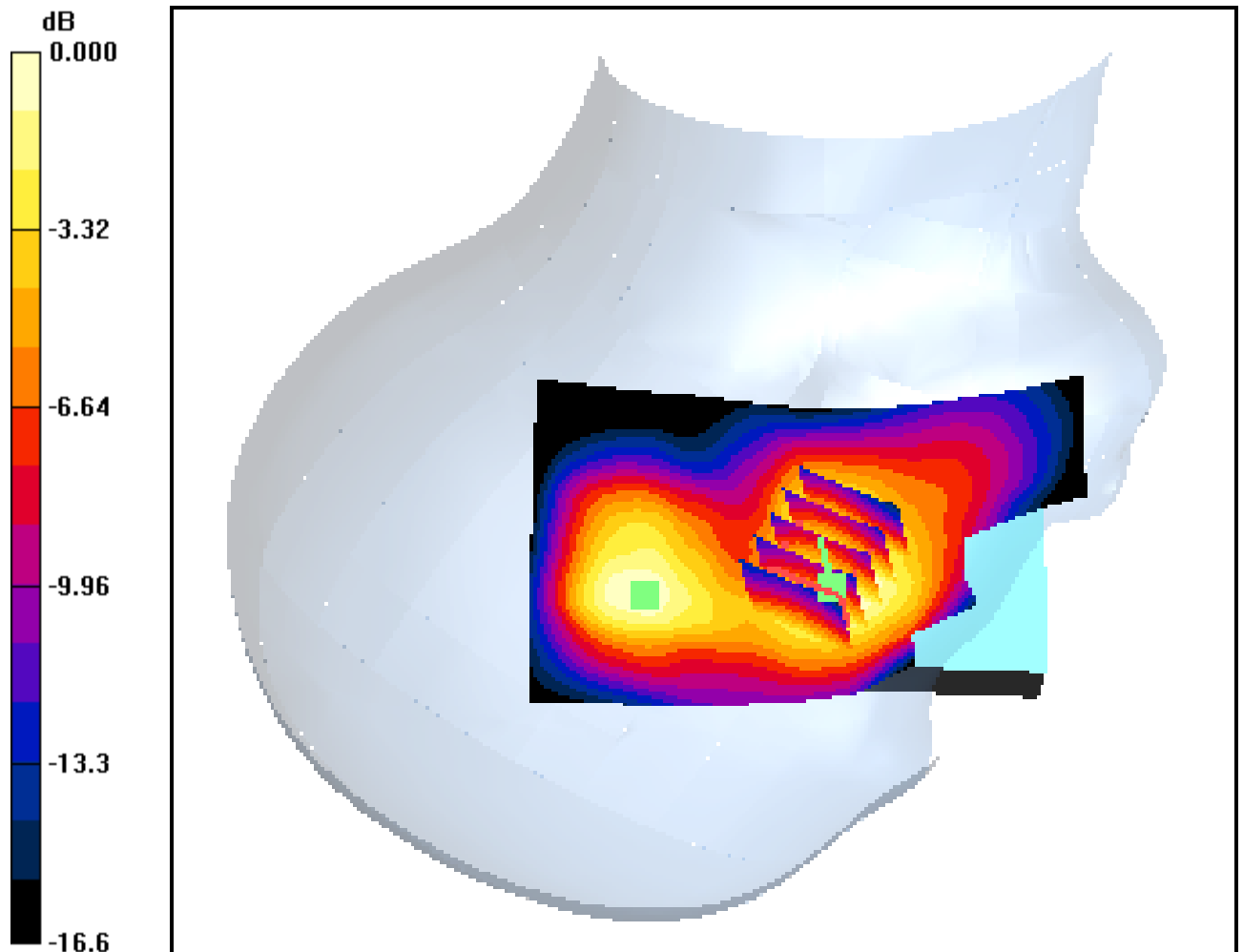
Area Scan (61x101x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

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

Power Drift = -0.002 dB

Peak SAR (extrapolated) = 0.375 W/kg

SAR(1 g) = 0.253 mW/g; SAR(10 g) = 0.164 mW/g



0 dB = 0.270mW/g

DIGITAL EMC CO., LTD

DUT: MGQ9180; Type: Slide Type

Communication System: PCS1900; Frequency: 1850.2 MHz; Duty Cycle: 1:8.3
Medium parameters used: $f = 1850.2$ MHz; $\sigma = 1.38$ mho/m; $\epsilon_r = 39$; $\rho = 1000$ kg/m³

Phantom section: Right Section

DASY4 Configuration:

Probe: ET3DV6 - SN1702; ConvF(5.29, 5.29, 5.29); Calibrated: 2006-03-23; 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

Date: 2007-02-21; Ambient Temp: 20.5; Tissue Temp: 20.0

Right Touch Slide Up, PCS Ch.512, Ant Intenna, Standard Battery

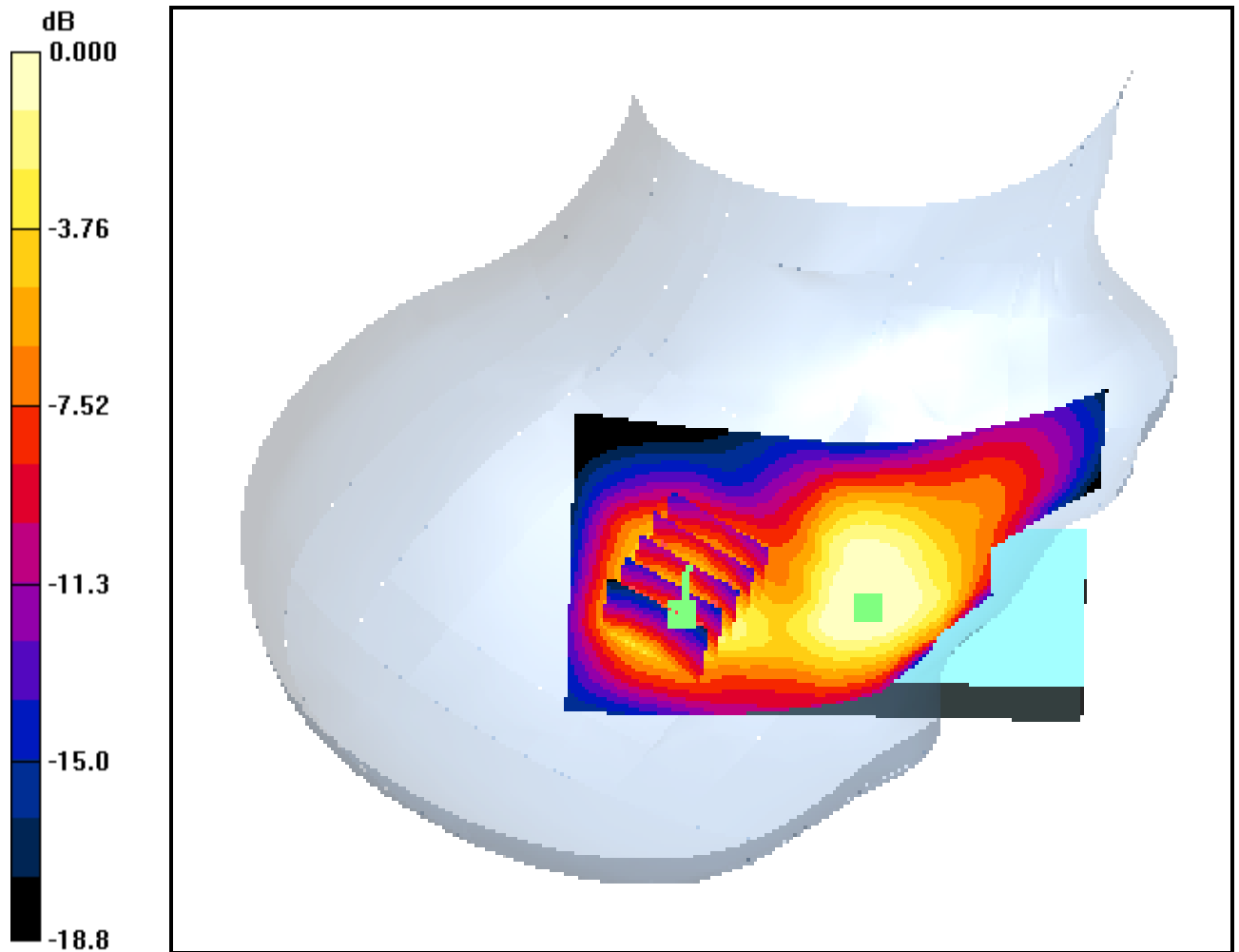
Area Scan (61x101x1): Measurement grid: dx=15mm, dy=15mm

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

Power Drift = -0.002 dB

Peak SAR (extrapolated) = 0.354 W/kg

SAR(1 g) = 0.221 mW/g; SAR(10 g) = 0.130 mW/g



0 dB = 0.242mW/g

DIGITAL EMC CO., LTD

DUT: MGQ9180; Type: Slide Type

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

Medium parameters used: $f = 1880 \text{ MHz}$; $\sigma = 1.41 \text{ mho/m}$; $\epsilon_r = 39.1$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Right Section

DASY4 Configuration:

Probe: ET3DV6 - SN1702; ConvF(5.29, 5.29, 5.29); Calibrated: 2006-03-23; 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

Date: 2007-02-21; Ambient Temp: 20.5; Tissue Temp: 20.0

Right Touch Slide Up, PCS Ch.661, Ant Intenna, Standard Battery

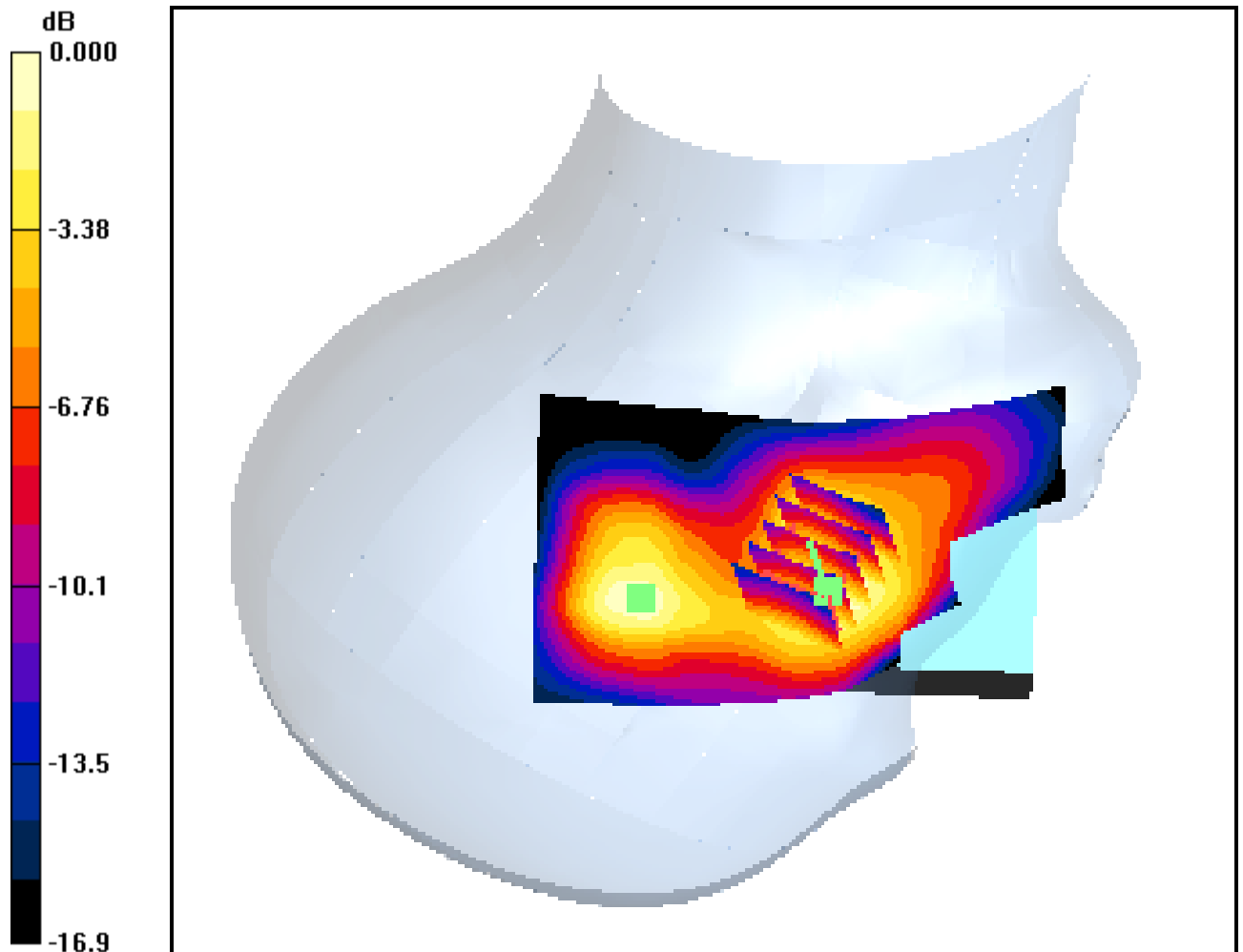
Area Scan (61x101x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

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) = 0.513 W/kg

SAR(1 g) = 0.339 mW/g; SAR(10 g) = 0.216 mW/g



0 dB = 0.361mW/g

DIGITAL EMC CO., LTD

DUT: MGQ9180; Type: Slide Type

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

Medium parameters used: $f = 1880 \text{ MHz}$; $\sigma = 1.41 \text{ mho/m}$; $\epsilon_r = 39.1$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Right Section

DASY4 Configuration:

Probe: ET3DV6 - SN1702; ConvF(5.29, 5.29, 5.29); Calibrated: 2006-03-23; 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

Date: 2007-02-21; Ambient Temp: 20.5; Tissue Temp: 20.0

Right Touch Slide Up, PCS Ch.661, Ant Intenna, Standard Battery

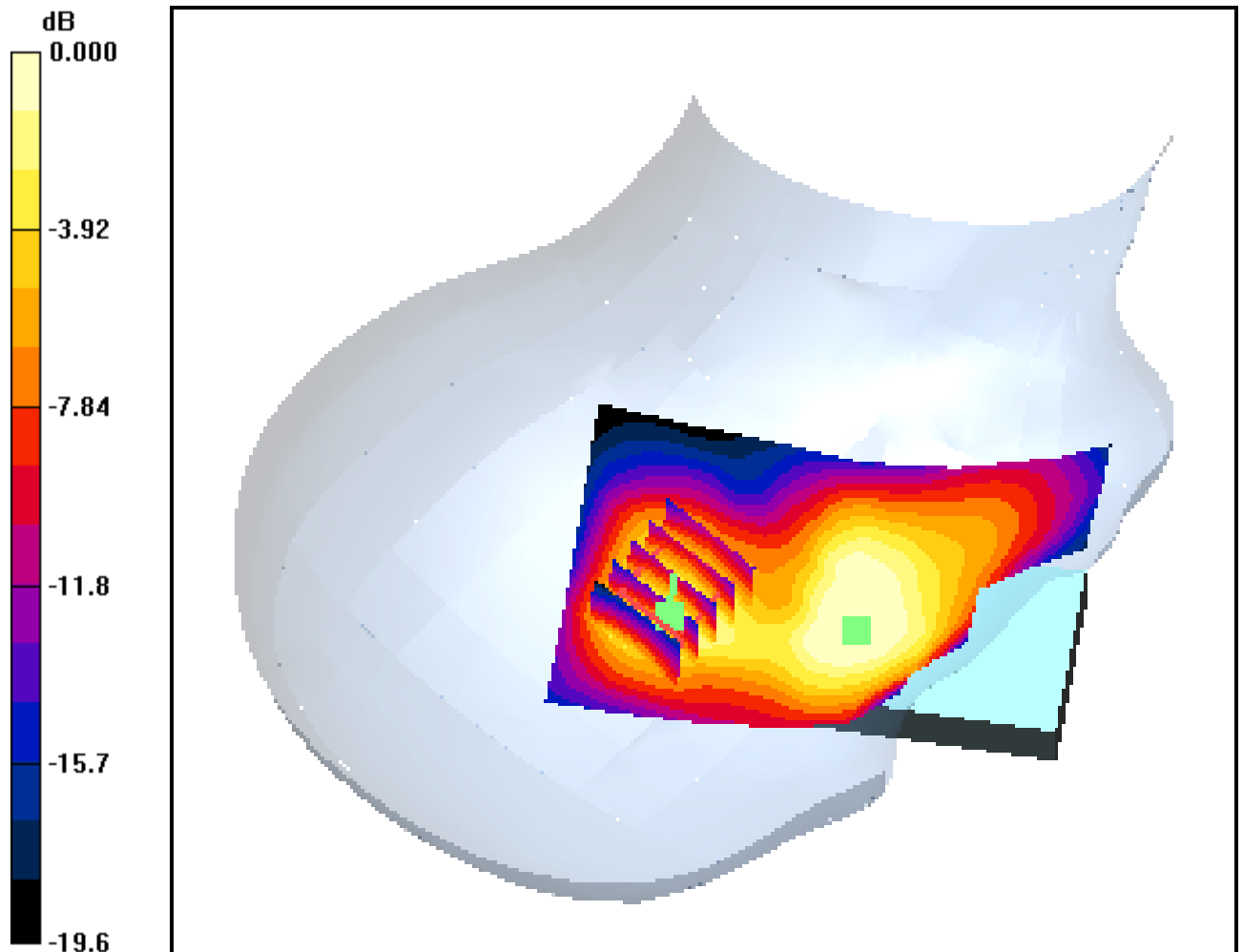
Area Scan (61x101x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

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

Power Drift = 0.038 dB

Peak SAR (extrapolated) = 0.464 W/kg

SAR(1 g) = 0.285 mW/g; SAR(10 g) = 0.164 mW/g



0 dB = 0.312mW/g

DIGITAL EMC CO., LTD

DUT: MGQ9180; Type: Slide Type

Communication System: PCS1900; Frequency: 1909.8 MHz; Duty Cycle: 1:8.3
Medium parameters used: $f = 1909.8 \text{ MHz}$; $\sigma = 1.45 \text{ mho/m}$; $\epsilon_r = 39.1$; $\rho = 1000 \text{ kg/m}^3$
Phantom section: Right Section

DASY4 Configuration:

Probe: ET3DV6 - SN1702; ConvF(5.29, 5.29, 5.29); Calibrated: 2006-03-23; 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

Date: 2007-02-21; Ambient Temp: 20.5; Tissue Temp: 20.0

Right Touch Slide Up, PCS Ch.810, Ant Intenna, Standard Battery

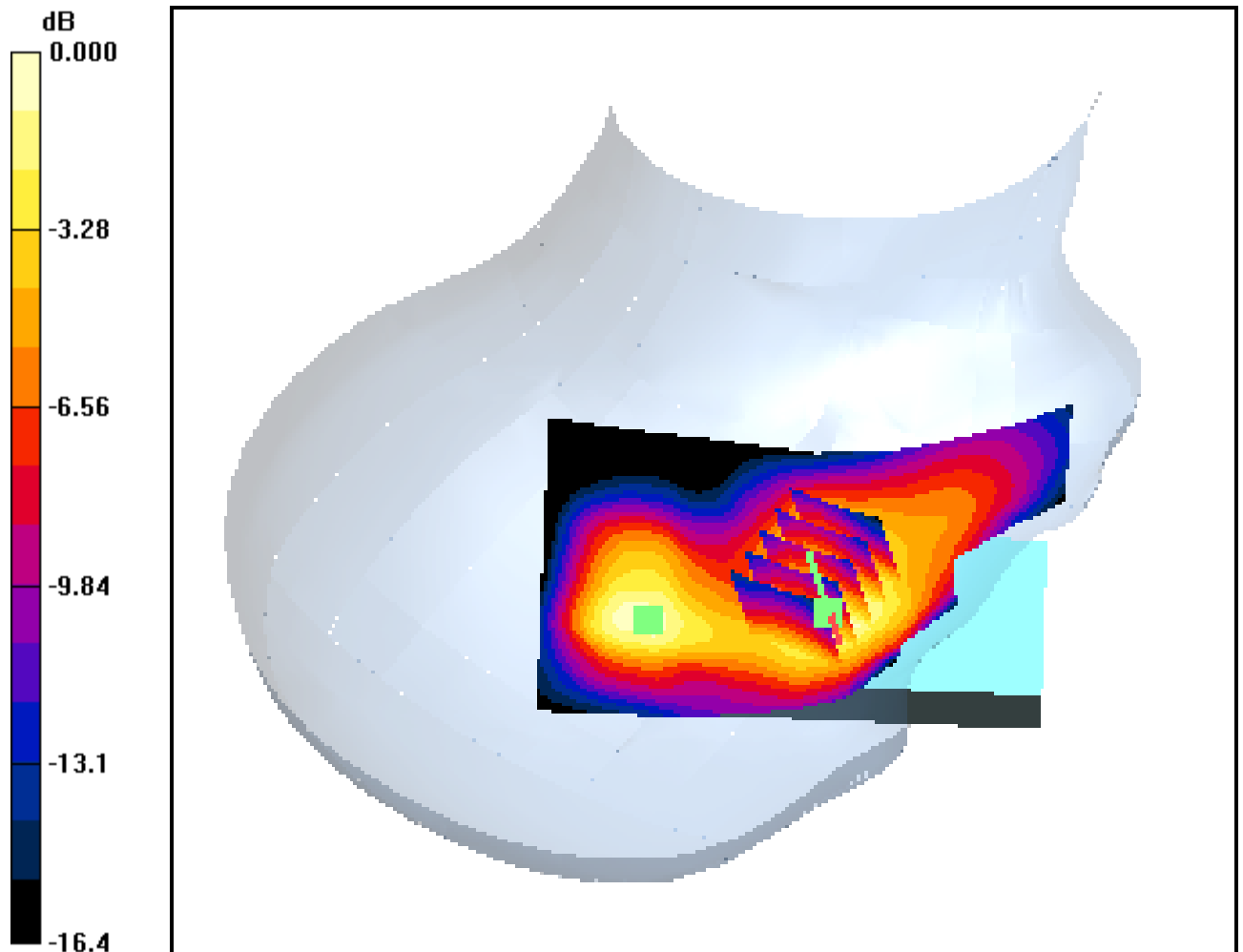
Area Scan (61x101x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

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) = 0.502 W/kg

SAR(1 g) = 0.331 mW/g; SAR(10 g) = 0.211 mW/g



0 dB = 0.354mW/g

DIGITAL EMC CO., LTD

DUT: MGQ9180; Type: Slide Type

Communication System: PCS1900; Frequency: 1909.8 MHz; Duty Cycle: 1:8.3
Medium parameters used: $f = 1909.8 \text{ MHz}$; $\sigma = 1.45 \text{ mho/m}$; $\epsilon_r = 39.1$; $\rho = 1000 \text{ kg/m}^3$
Phantom section: Right Section

DASY4 Configuration:

Probe: ET3DV6 - SN1702; ConvF(5.29, 5.29, 5.29); Calibrated: 2006-03-23; 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

Date: 2007-02-21; Ambient Temp: 20.5; Tissue Temp: 20.0

Right Touch Slide Up, PCS Ch.810, Ant Intenna, Standard Battery

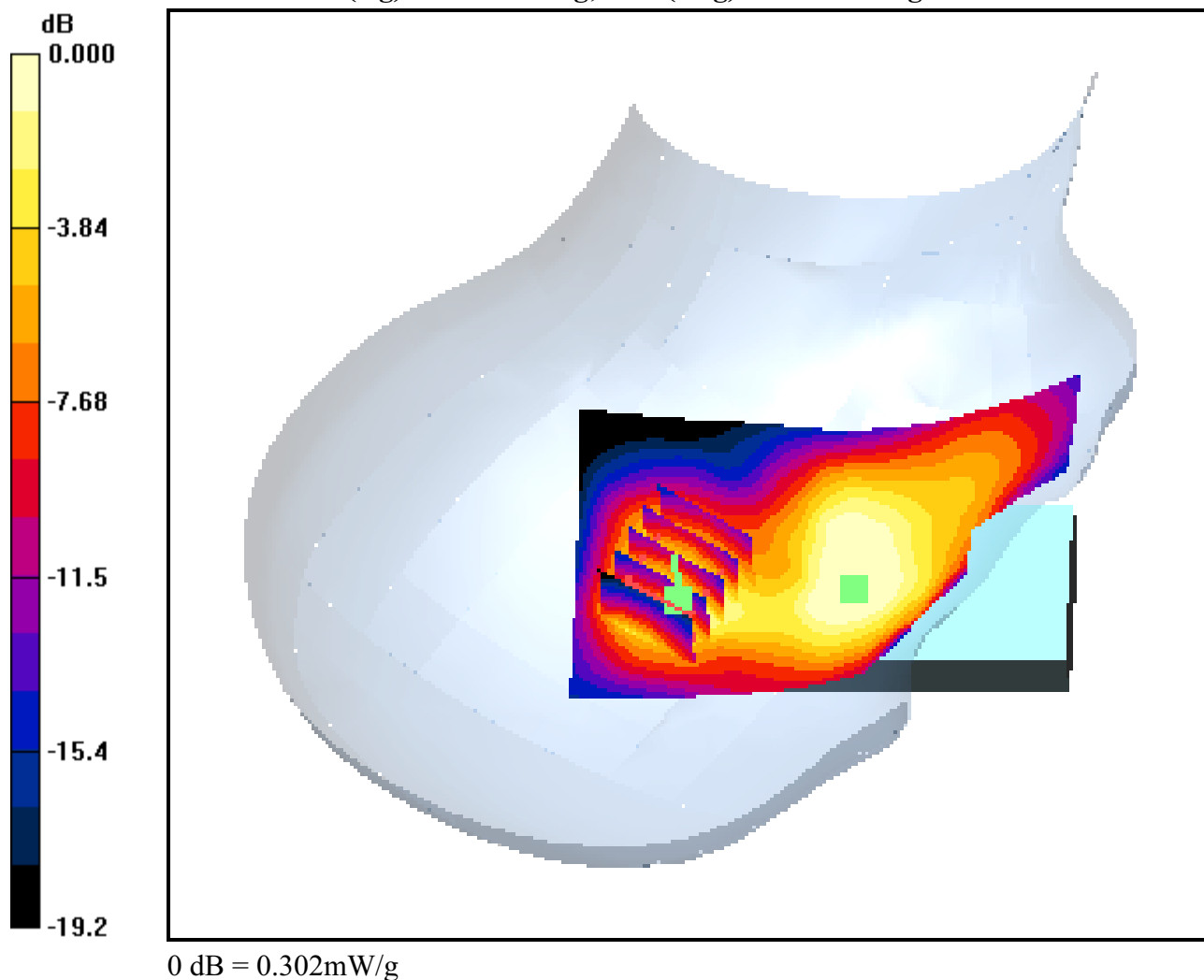
Area Scan (61x101x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

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

Power Drift = 0.022 dB

Peak SAR (extrapolated) = 0.459 W/kg

SAR(1 g) = 0.278 mW/g; SAR(10 g) = 0.157 mW/g



DIGITAL EMC CO., LTD

DUT: MGQ9180; Type: Slide Type

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

Medium parameters used: $f = 1880 \text{ MHz}$; $\sigma = 1.41 \text{ mho/m}$; $\epsilon_r = 39.1$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Right Section

DASY4 Configuration:

Probe: ET3DV6 - SN1702; ConvF(5.29, 5.29, 5.29); Calibrated: 2006-03-23; 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

Date: 2007-02-21; Ambient Temp: 20.5; Tissue Temp: 20.0

Right Tilt Slide Up, PCS Ch.661, Ant Intenna, Standard Battery

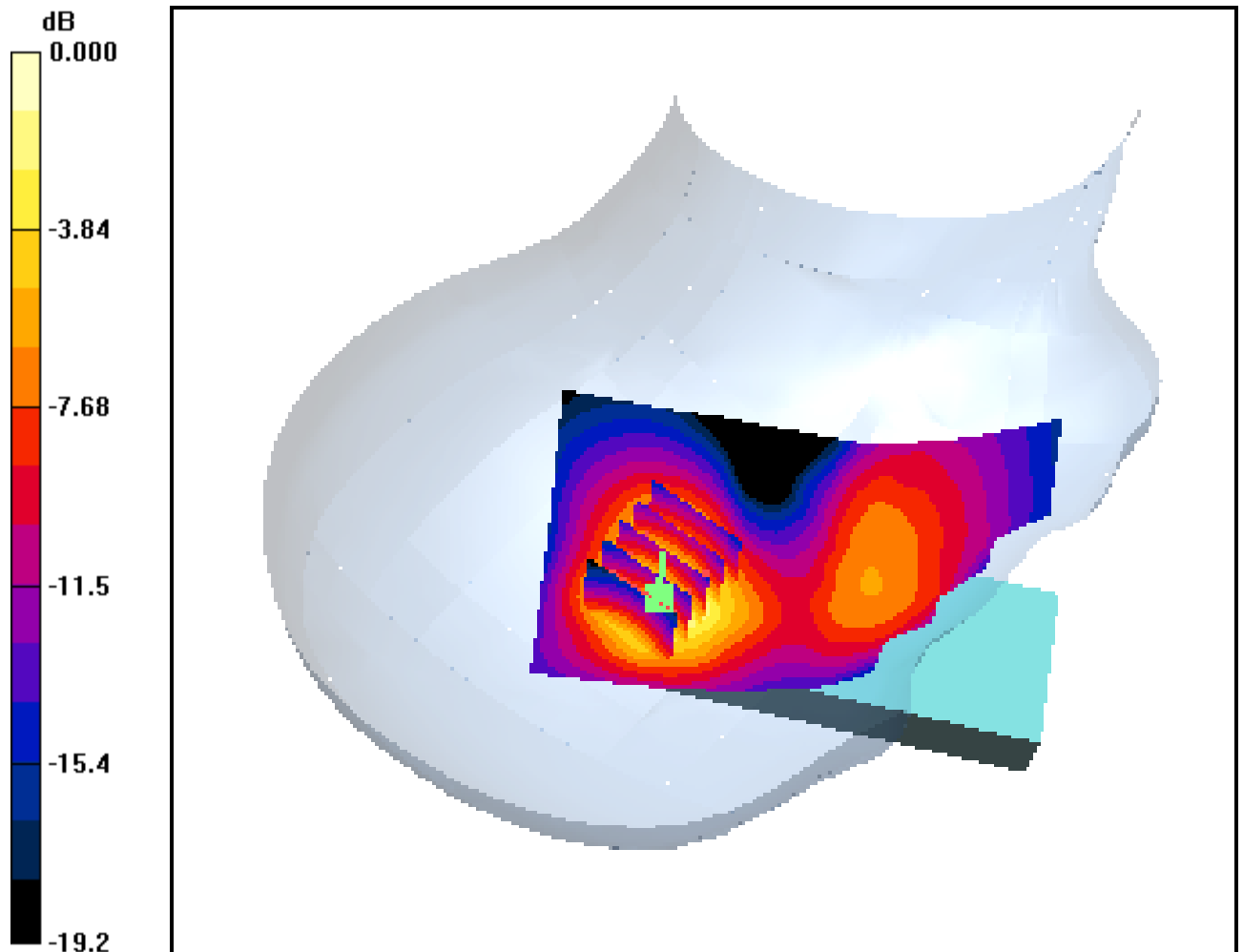
Area Scan (61x101x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

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

Power Drift = 0.003 dB

Peak SAR (extrapolated) = 0.537 W/kg

SAR(1 g) = 0.316 mW/g; SAR(10 g) = 0.178 mW/g



0 dB = 0.347mW/g

DIGITAL EMC CO., LTD

DUT: MGQ9180; Type: Slide Type

Communication System: PCS1900; Frequency: 1850.2 MHz; Duty Cycle: 1:8.3
Medium parameters used: $f = 1850.2 \text{ MHz}$; $\sigma = 1.38 \text{ mho/m}$; $\epsilon_r = 39$; $\rho = 1000 \text{ kg/m}^3$
Phantom section: Left Section

DASY4 Configuration:

Probe: ET3DV6 - SN1702; ConvF(5.29, 5.29, 5.29); Calibrated: 2006-03-23; 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

Date: 2007-02-21; Ambient Temp: 20.5; Tissue Temp: 20.0

Left Touch Slide Up, PCS Ch.512, Ant Intenna, Standard Battery

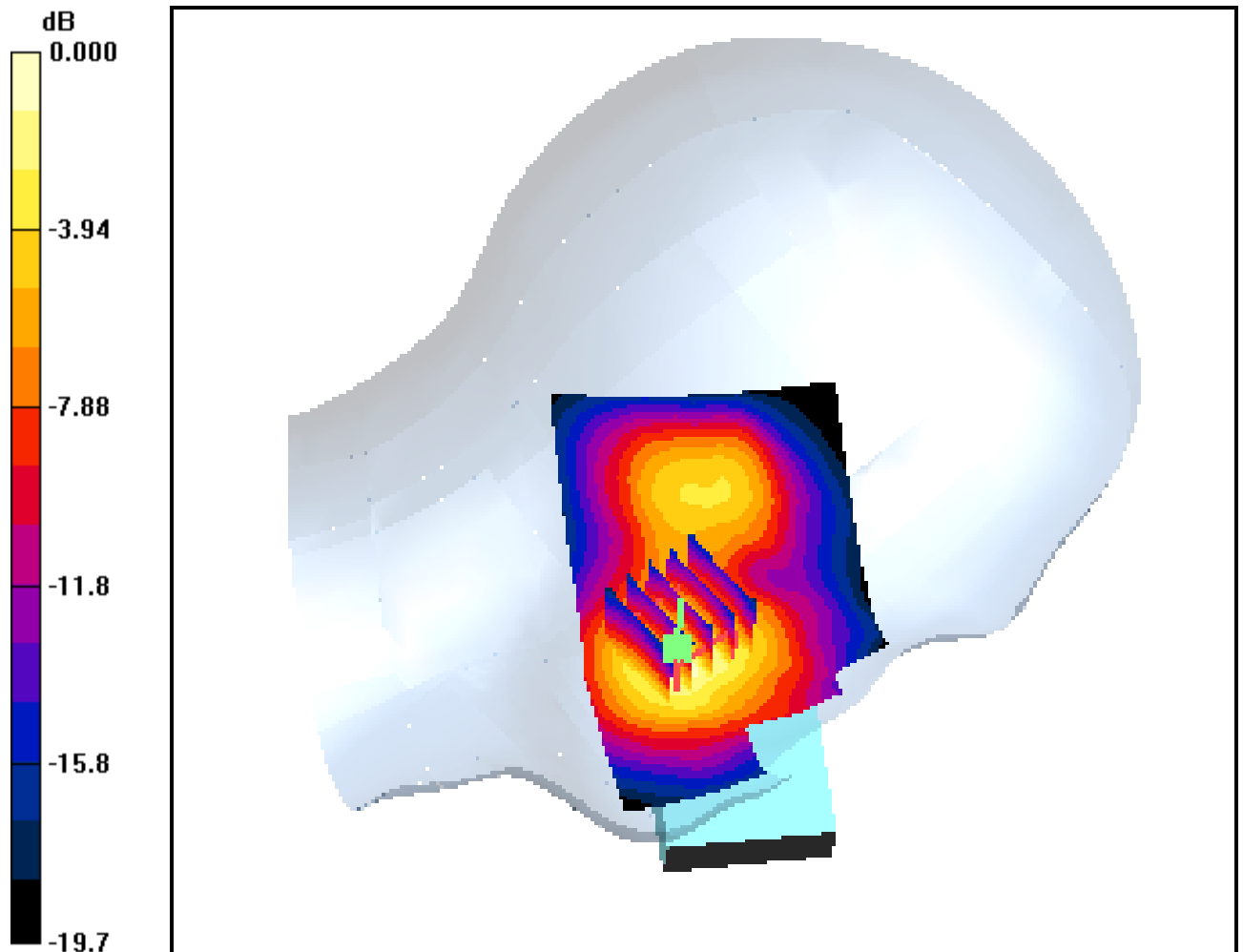
Area Scan (61x101x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

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

Power Drift = -0.090 dB

Peak SAR (extrapolated) = 0.918 W/kg

SAR(1 g) = 0.559 mW/g; SAR(10 g) = 0.315 mW/g



0 dB = 0.617mW/g

DIGITAL EMC CO., LTD

DUT: MGQ9180; Type: Slide Type

Communication System: PCS1900; Frequency: 1880 MHz; Duty Cycle: 1:8.3
Medium parameters used: $f = 1880 \text{ MHz}$; $\sigma = 1.41 \text{ mho/m}$; $\epsilon_r = 39.1$; $\rho = 1000 \text{ kg/m}^3$
Phantom section: Left Section

DASY4 Configuration:

Probe: ET3DV6 - SN1702; ConvF(5.29, 5.29, 5.29); Calibrated: 2006-03-23; 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

Date: 2007-02-21; Ambient Temp: 20.5; Tissue Temp: 20.0

Left Touch Slide Up, PCS Ch.661, Ant Intenna, Standard Battery

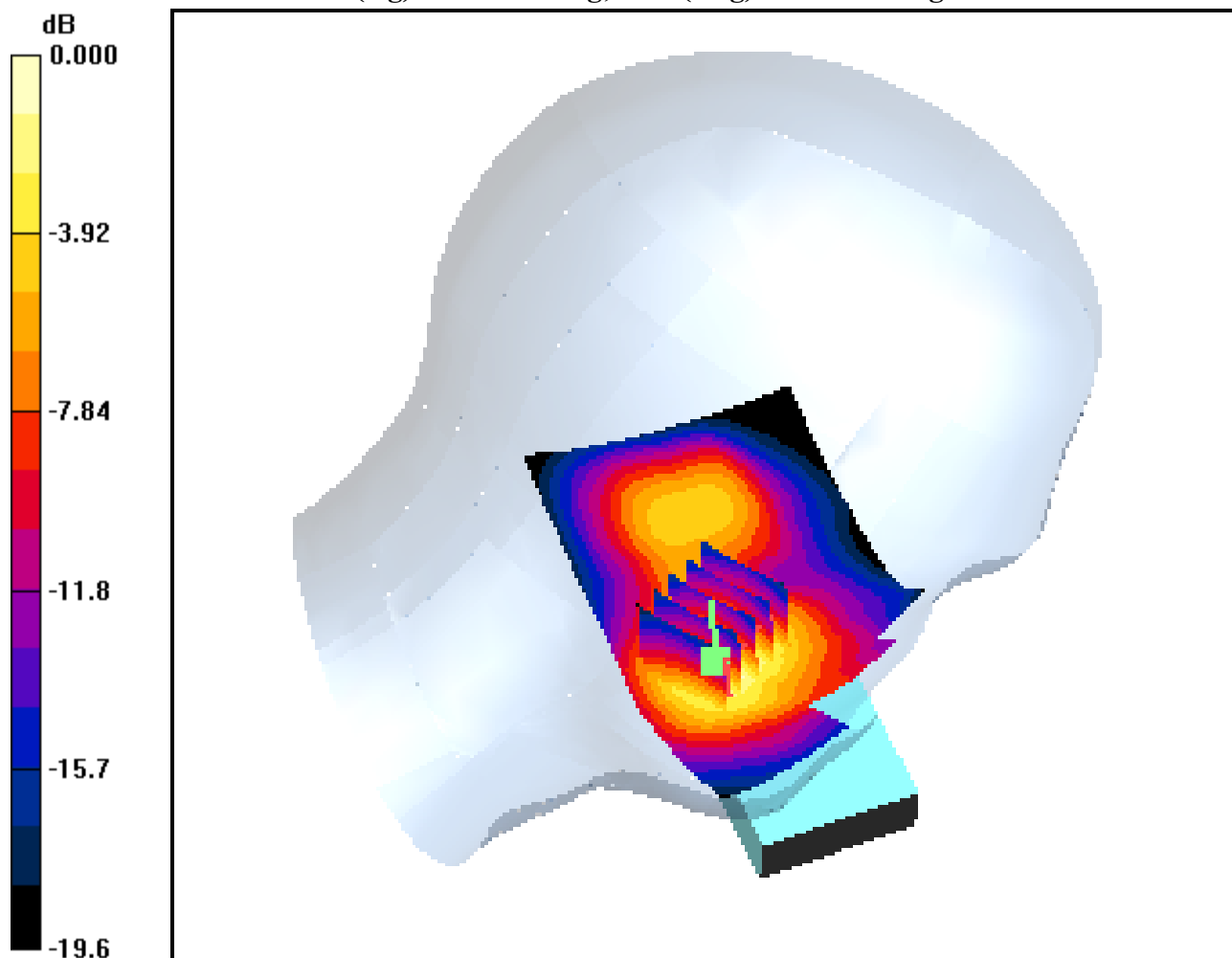
Area Scan (61x101x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

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

Power Drift = -0.019 dB

Peak SAR (extrapolated) = 1.11 W/kg

SAR(1 g) = 0.669 mW/g; SAR(10 g) = 0.372 mW/g



0 dB = 0.741mW/g

DIGITAL EMC CO., LTD

DUT: MGQ9180; Type: Slide Type

Communication System: PCS1900; Frequency: 1909.8 MHz; Duty Cycle: 1:8.3
Medium parameters used: $f = 1909.8 \text{ MHz}$; $\sigma = 1.45 \text{ mho/m}$; $\epsilon_r = 39.1$; $\rho = 1000 \text{ kg/m}^3$
Phantom section: Left Section

DASY4 Configuration:

Probe: ET3DV6 - SN1702; ConvF(5.29, 5.29, 5.29); Calibrated: 2006-03-23; 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

Date: 2007-02-21; Ambient Temp: 20.5; Tissue Temp: 20.0

Left Touch Slide Up, PCS Ch.810, Ant Intenna, Standard Battery

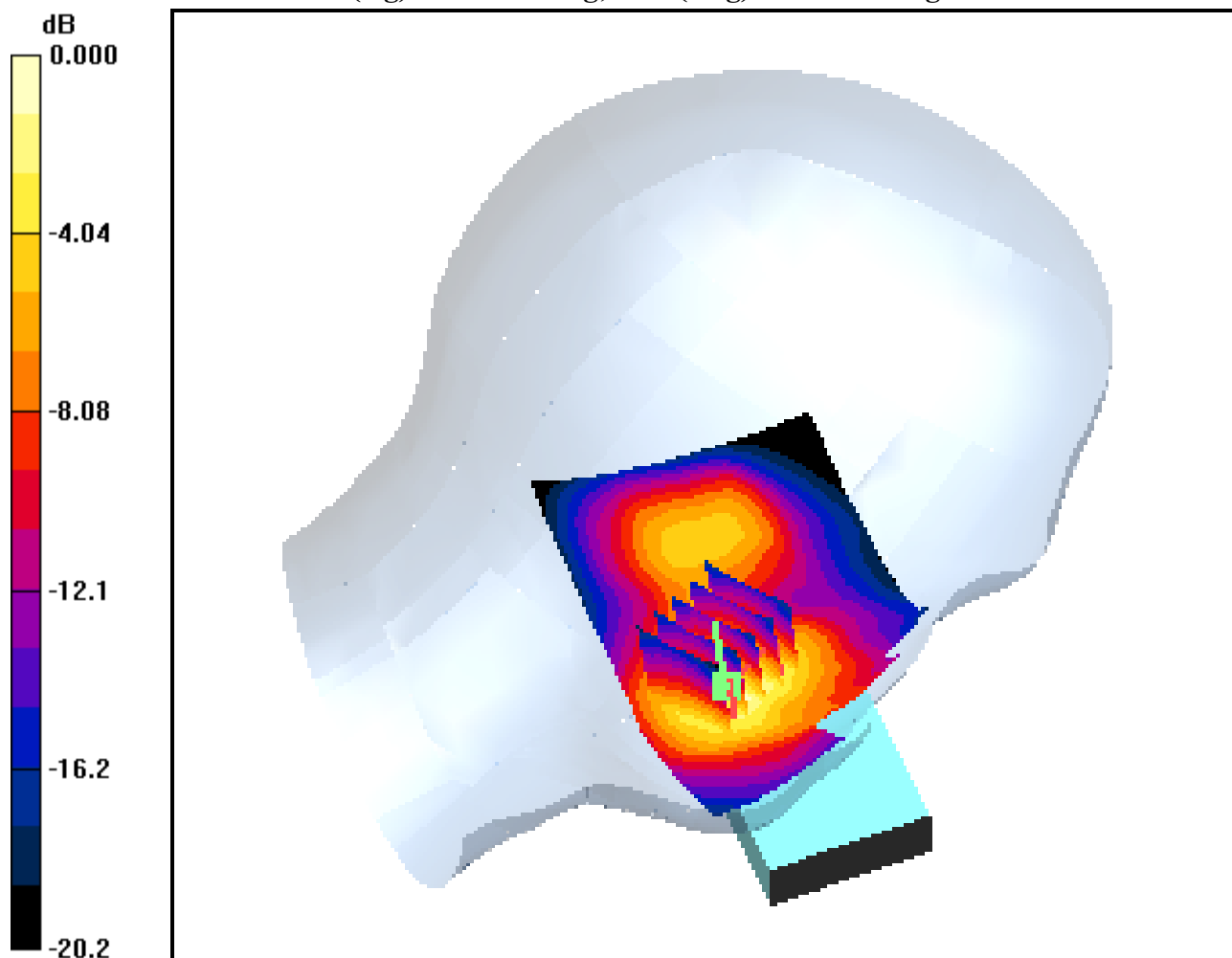
Area Scan (61x101x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

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

Power Drift = -0.013 dB

Peak SAR (extrapolated) = 1.13 W/kg

SAR(1 g) = 0.674 mW/g; SAR(10 g) = 0.372 mW/g



0 dB = 0.745mW/g

DIGITAL EMC CO., LTD

DUT: MGQ9180; Type: Slide Type

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

Medium parameters used: $f = 1880 \text{ MHz}$; $\sigma = 1.41 \text{ mho/m}$; $\epsilon_r = 39.1$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Left Section

DASY4 Configuration:

Probe: ET3DV6 - SN1702; ConvF(5.29, 5.29, 5.29); Calibrated: 2006-03-23; 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

Date: 2007-02-21; Ambient Temp: 20.5; Tissue Temp: 20.0

Left Tilt Slide Up, PCS Ch.661, Ant Intenna, Standard Battery

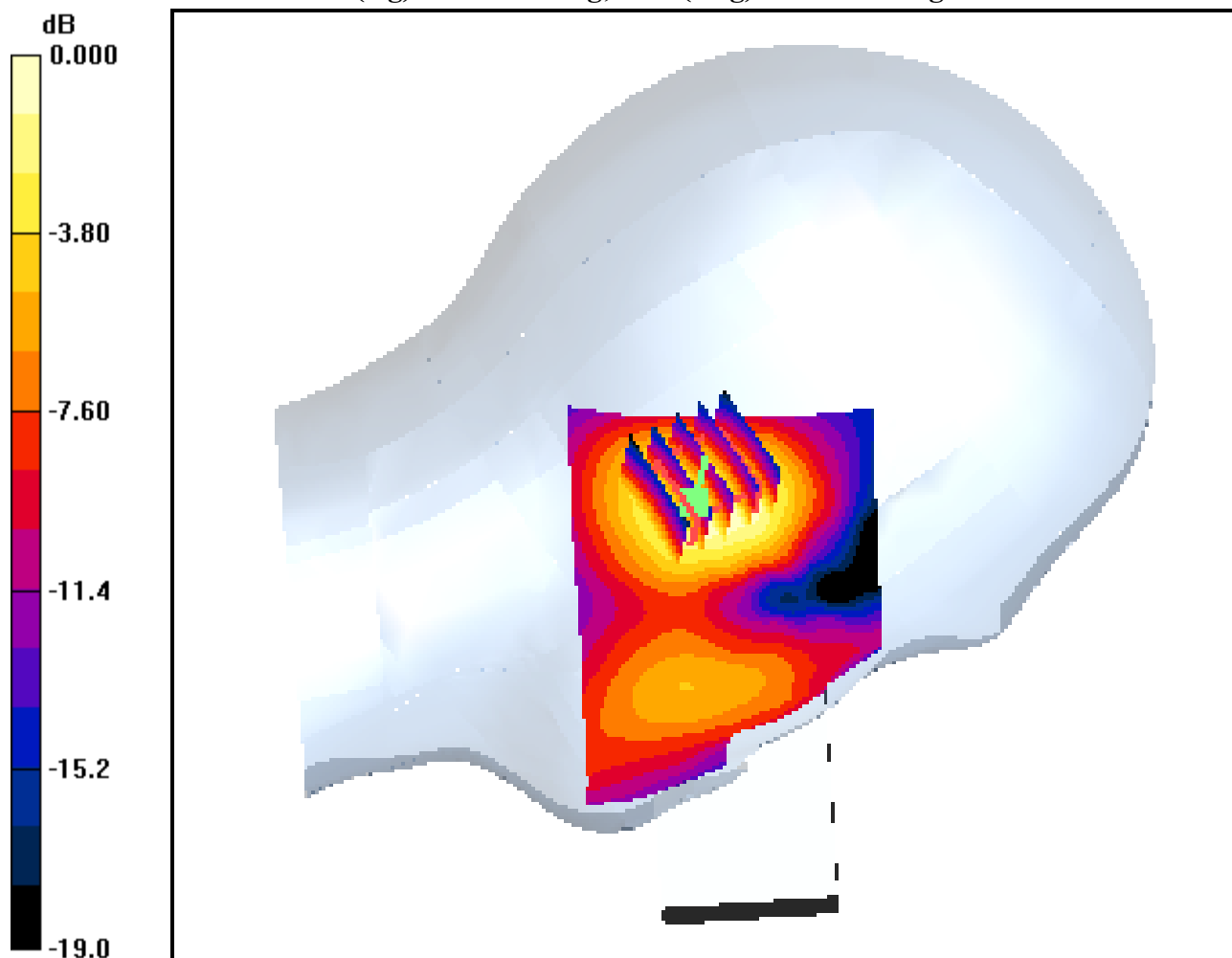
Area Scan (61x101x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

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

Power Drift = -0.013 dB

Peak SAR (extrapolated) = 0.433 W/kg

SAR(1 g) = 0.273 mW/g; SAR(10 g) = 0.158 mW/g



0 dB = 0.301mW/g

DIGITAL EMC CO., LTD

DUT: MGQ9180; Type: Slide Type

Communication System: PCS1900; Frequency: 1850.2 MHz; Duty Cycle: 1:8.3
Medium parameters used: $f = 1850.2$ MHz; $\sigma = 1.38$ mho/m; $\epsilon_r = 39$; $\rho = 1000$ kg/m³
Phantom section: Right Section

DASY4 Configuration:

Probe: ET3DV6 - SN1702; ConvF(5.29, 5.29, 5.29); Calibrated: 2006-03-23; 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

Date: 2007-02-21; Ambient Temp: 20.5; Tissue Temp: 20.0

Right Touch Slide Down, PCS Ch.512, Ant Intenna, Standard Battery

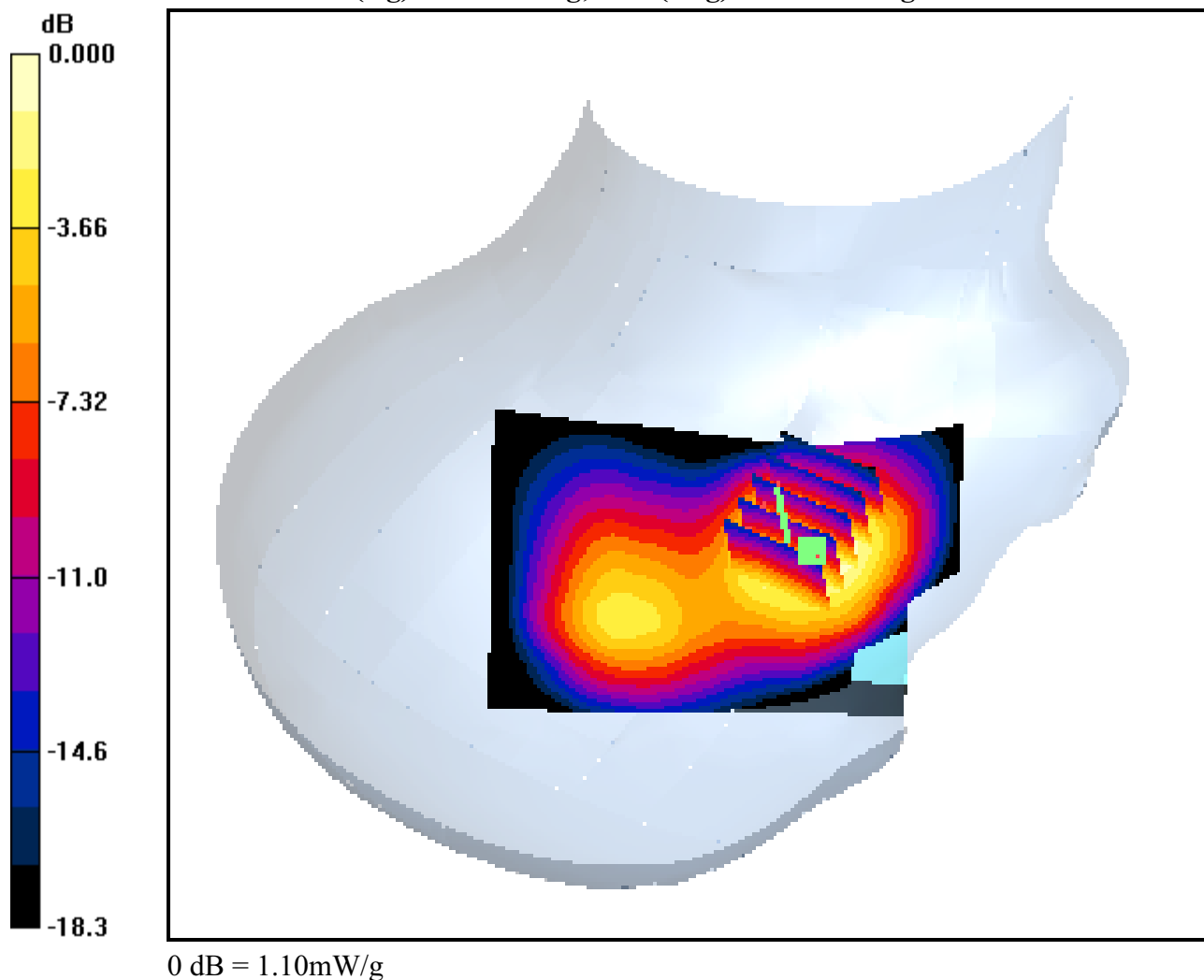
Area Scan (61x91x1): Measurement grid: dx=15mm, dy=15mm

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

Power Drift = 0.008 dB

Peak SAR (extrapolated) = 1.69 W/kg

SAR(1 g) = 1.02 mW/g; SAR(10 g) = 0.576 mW/g



DIGITAL EMC CO., LTD

DUT: MGQ9180; Type: Slide Type

Communication System: PCS1900; Frequency: 1880 MHz; Duty Cycle: 1:8.3
Medium parameters used: $f = 1880 \text{ MHz}$; $\sigma = 1.41 \text{ mho/m}$; $\epsilon_r = 39.1$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Right Section

DASY4 Configuration:

Probe: ET3DV6 - SN1702; ConvF(5.29, 5.29, 5.29); Calibrated: 2006-03-23; 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

Date: 2007-02-21; Ambient Temp: 20.5; Tissue Temp: 20.0

Right Touch Slide Down, PCS Ch.661, Ant Intenna, Standard Battery

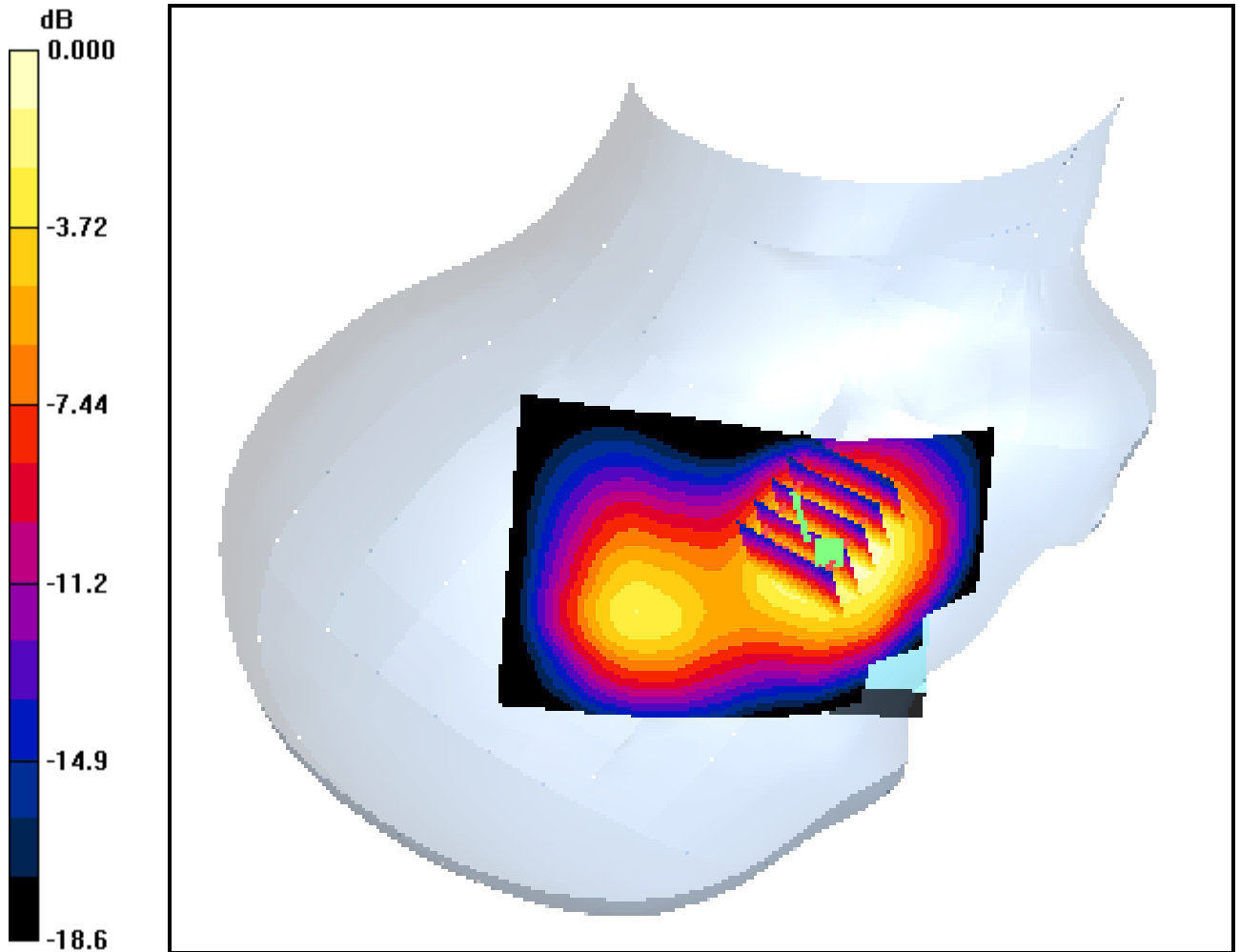
Area Scan (61x91x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

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

Power Drift = -0.145 dB

Peak SAR (extrapolated) = 2.11 W/kg

SAR(1 g) = 1.28 mW/g; SAR(10 g) = 0.725 mW/g



0 dB = 1.35mW/g

DIGITAL EMC CO., LTD

DUT: MGQ9180; Type: Slide Type

Communication System: PCS1900; Frequency: 1909.8 MHz; Duty Cycle: 1:8.3
Medium parameters used: $f = 1909.8 \text{ MHz}$; $\sigma = 1.45 \text{ mho/m}$; $\epsilon_r = 39.1$; $\rho = 1000 \text{ kg/m}^3$
Phantom section: Right Section

DASY4 Configuration:

Probe: ET3DV6 - SN1702; ConvF(5.29, 5.29, 5.29); Calibrated: 2006-03-23; 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

Date: 2007-02-21; Ambient Temp: 20.5; Tissue Temp: 20.0

Right Touch Slide Down, PCS Ch.810, Ant Intenna, Standard Battery

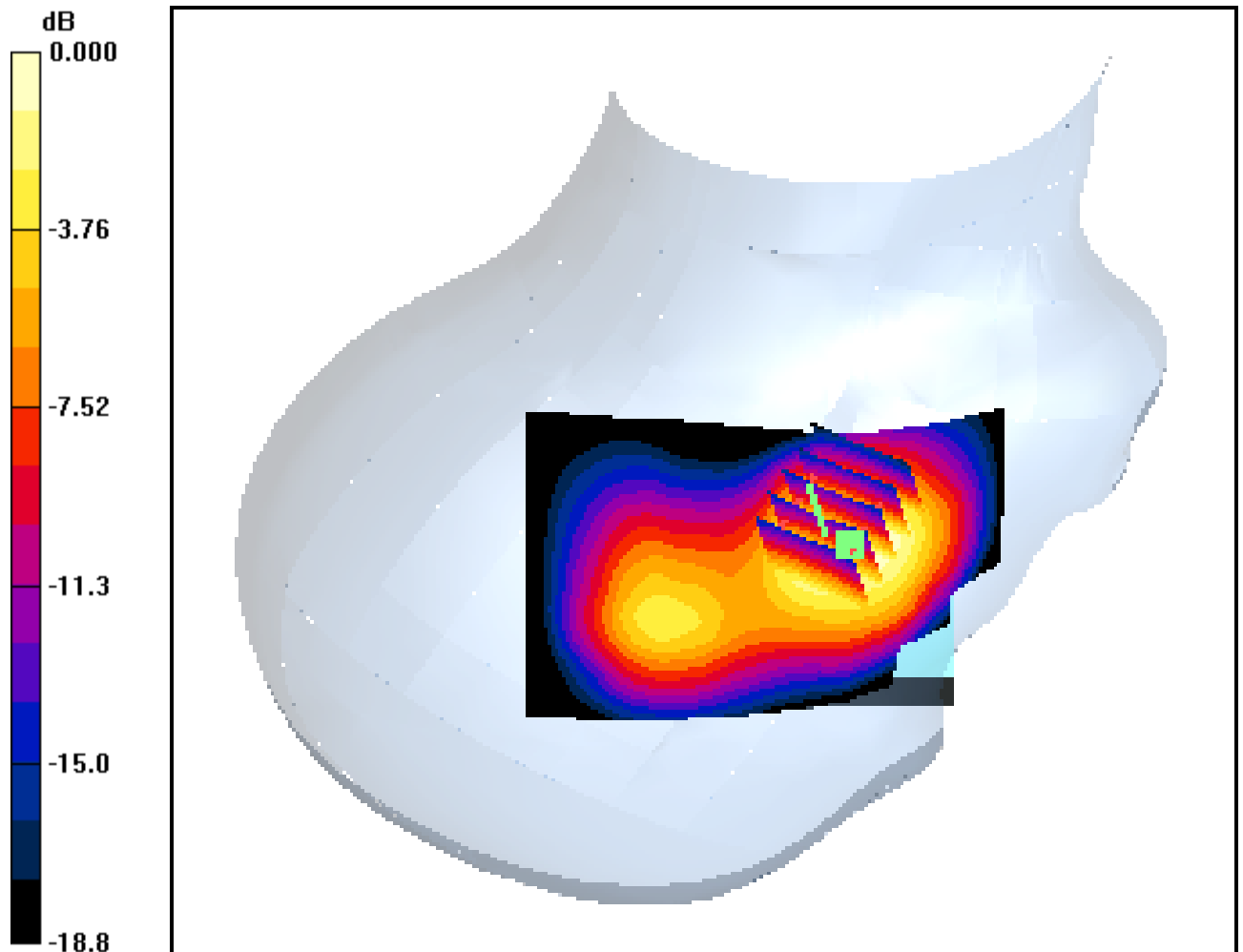
Area Scan (61x91x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

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

Power Drift = -0.041 dB

Peak SAR (extrapolated) = 1.90 W/kg

SAR(1 g) = 1.14 mW/g; SAR(10 g) = 0.642 mW/g



0 dB = 1.22mW/g

DIGITAL EMC CO., LTD

DUT: MGQ9180; Type: Slide Type

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

Medium parameters used: $f = 1880 \text{ MHz}$; $\sigma = 1.41 \text{ mho/m}$; $\epsilon_r = 39.1$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Right Section

DASY4 Configuration:

Probe: ET3DV6 - SN1702; ConvF(5.29, 5.29, 5.29); Calibrated: 2006-03-23; 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

Date: 2007-02-21; Ambient Temp: 20.5; Tissue Temp: 20.0

Right Tilt Slide Down, PCS Ch.661, Ant Intenna, Standard Battery

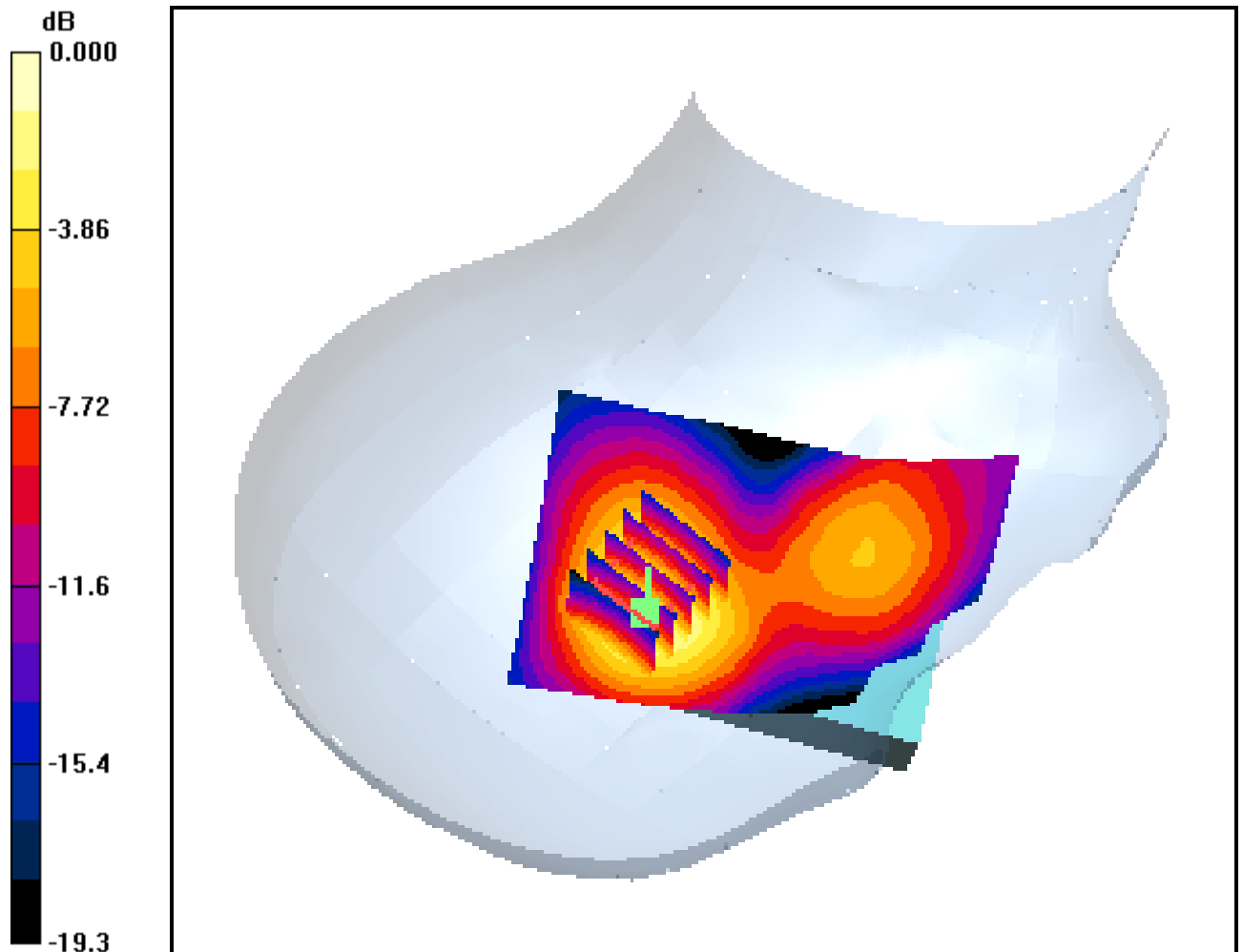
Area Scan (61x91x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

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

Power Drift = -0.040 dB

Peak SAR (extrapolated) = 0.801 W/kg

SAR(1 g) = 0.496 mW/g; SAR(10 g) = 0.284 mW/g



0 dB = 0.546mW/g

DIGITAL EMC CO., LTD

DUT: MGQ9180; Type: Slide Type

Communication System: PCS1900; Frequency: 1850.2 MHz; Duty Cycle: 1:8.3
Medium parameters used: $f = 1850.2 \text{ MHz}$; $\sigma = 1.38 \text{ mho/m}$; $\epsilon_r = 39$; $\rho = 1000 \text{ kg/m}^3$
Phantom section: Left Section

DASY4 Configuration:

Probe: ET3DV6 - SN1702; ConvF(5.29, 5.29, 5.29); Calibrated: 2006-03-23; 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

Date: 2007-02-21; Ambient Temp: 20.5; Tissue Temp: 20.0

Left Touch Slide Down, PCS Ch.512, Ant Intenna, Standard Battery

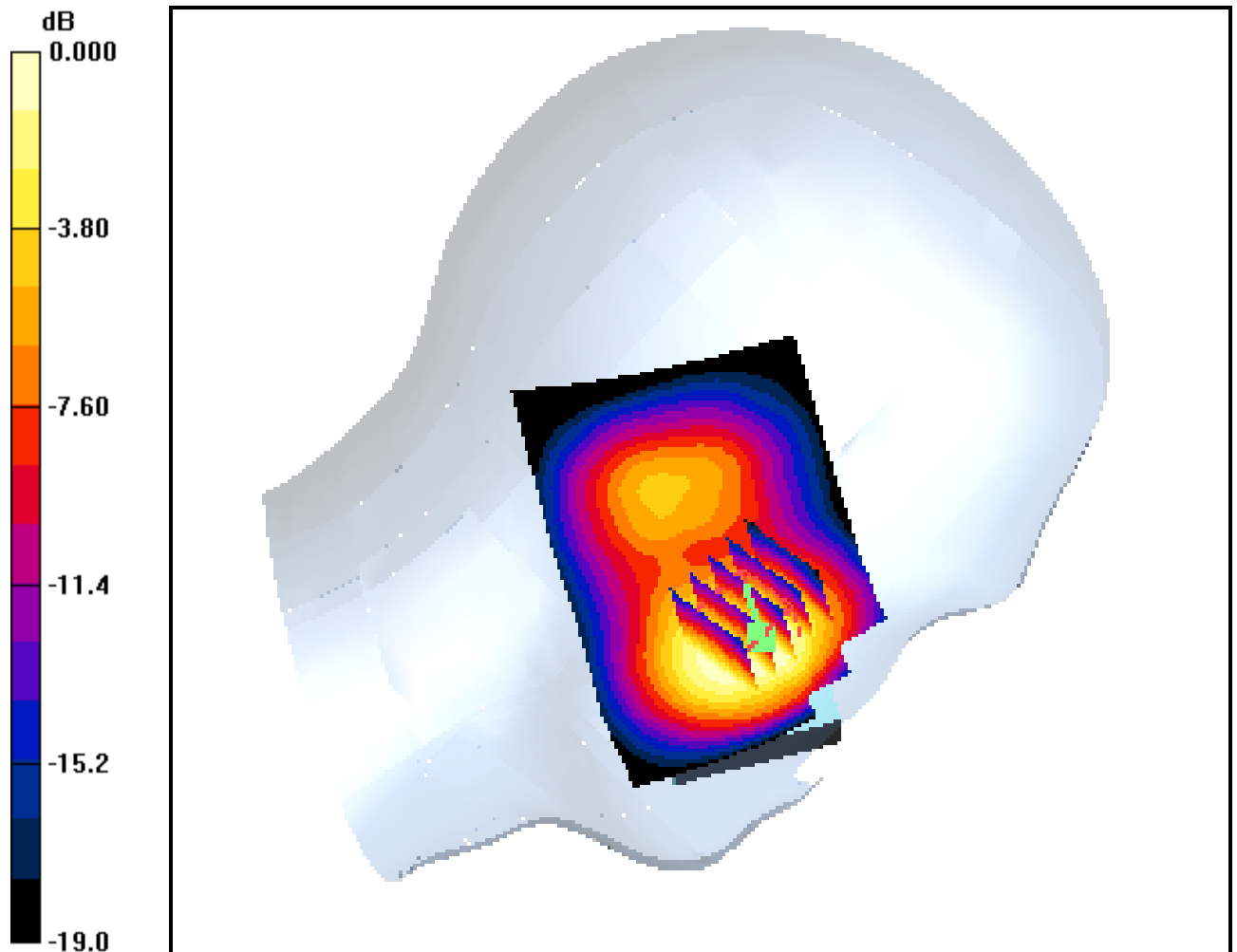
Area Scan (61x91x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

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

Power Drift = -0.057 dB

Peak SAR (extrapolated) = 1.65 W/kg

SAR(1 g) = 1.04 mW/g; SAR(10 g) = 0.617 mW/g



0 dB = 1.13mW/g

DIGITAL EMC CO., LTD

DUT: MGQ9180; Type: Slide Type

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

Medium parameters used: $f = 1880 \text{ MHz}$; $\sigma = 1.41 \text{ mho/m}$; $\epsilon_r = 39.1$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Left Section

DASY4 Configuration:

Probe: ET3DV6 - SN1702; ConvF(5.29, 5.29, 5.29); Calibrated: 2006-03-23; 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

Date: 2007-02-21; Ambient Temp: 20.5; Tissue Temp: 20.0

Left Touch Slide Down, PCS Ch.661, Ant Intenna, Standard Battery

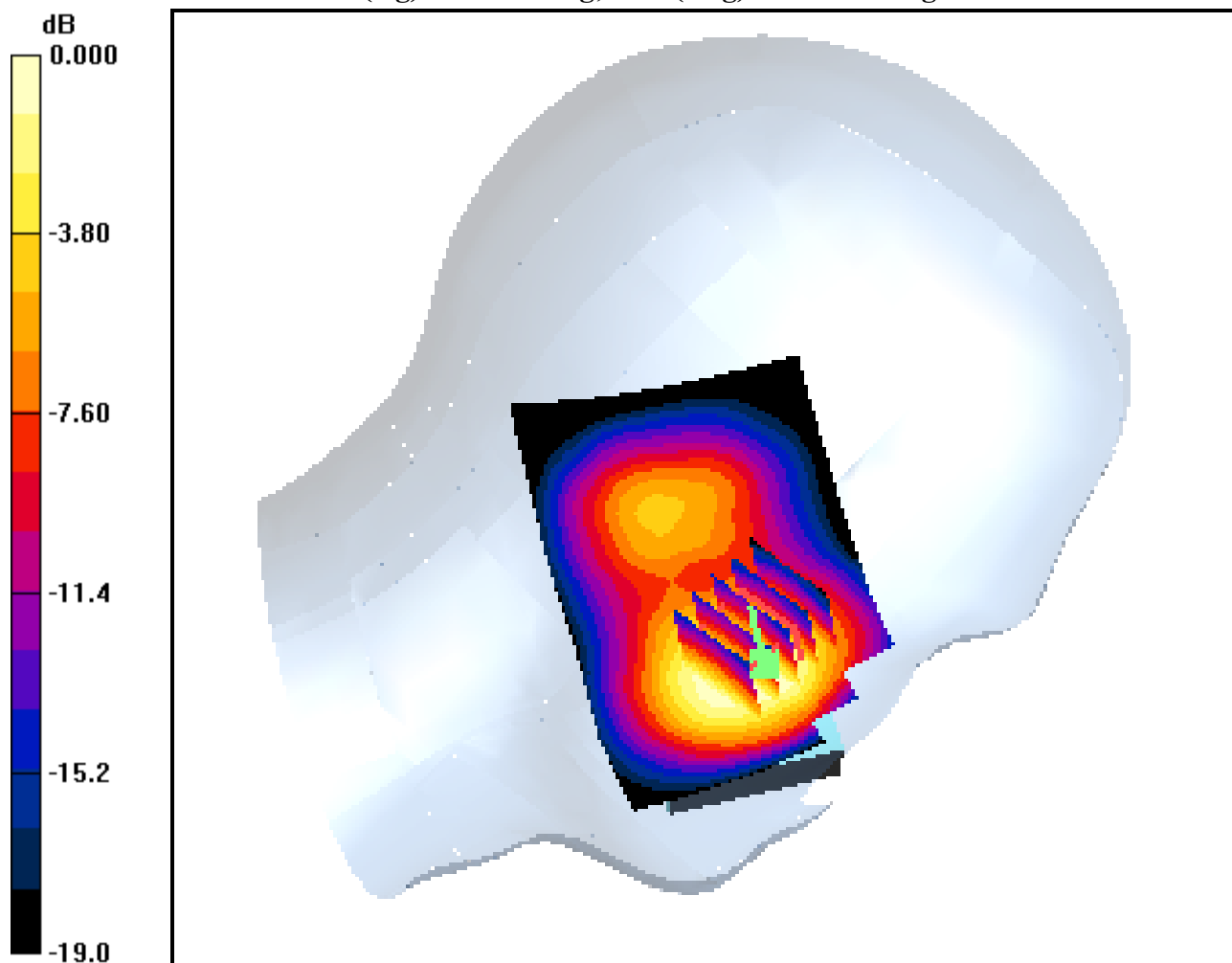
Area Scan (61x91x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

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

Power Drift = 0.007 dB

Peak SAR (extrapolated) = 1.92 W/kg

SAR(1 g) = 1.22 mW/g; SAR(10 g) = 0.724 mW/g



0 dB = 1.33mW/g

DIGITAL EMC CO., LTD

DUT: MGQ9180; Type: Slide Type

Communication System: PCS1900; Frequency: 1909.8 MHz; Duty Cycle: 1:8.3
Medium parameters used: $f = 1909.8 \text{ MHz}$; $\sigma = 1.45 \text{ mho/m}$; $\epsilon_r = 39.1$; $\rho = 1000 \text{ kg/m}^3$
Phantom section: Left Section

DASY4 Configuration:

Probe: ET3DV6 - SN1702; ConvF(5.29, 5.29, 5.29); Calibrated: 2006-03-23; 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

Date: 2007-02-21; Ambient Temp: 20.5; Tissue Temp: 20.0

Left Touch Slide Down, PCS Ch.810, Ant Intenna, Standard Battery

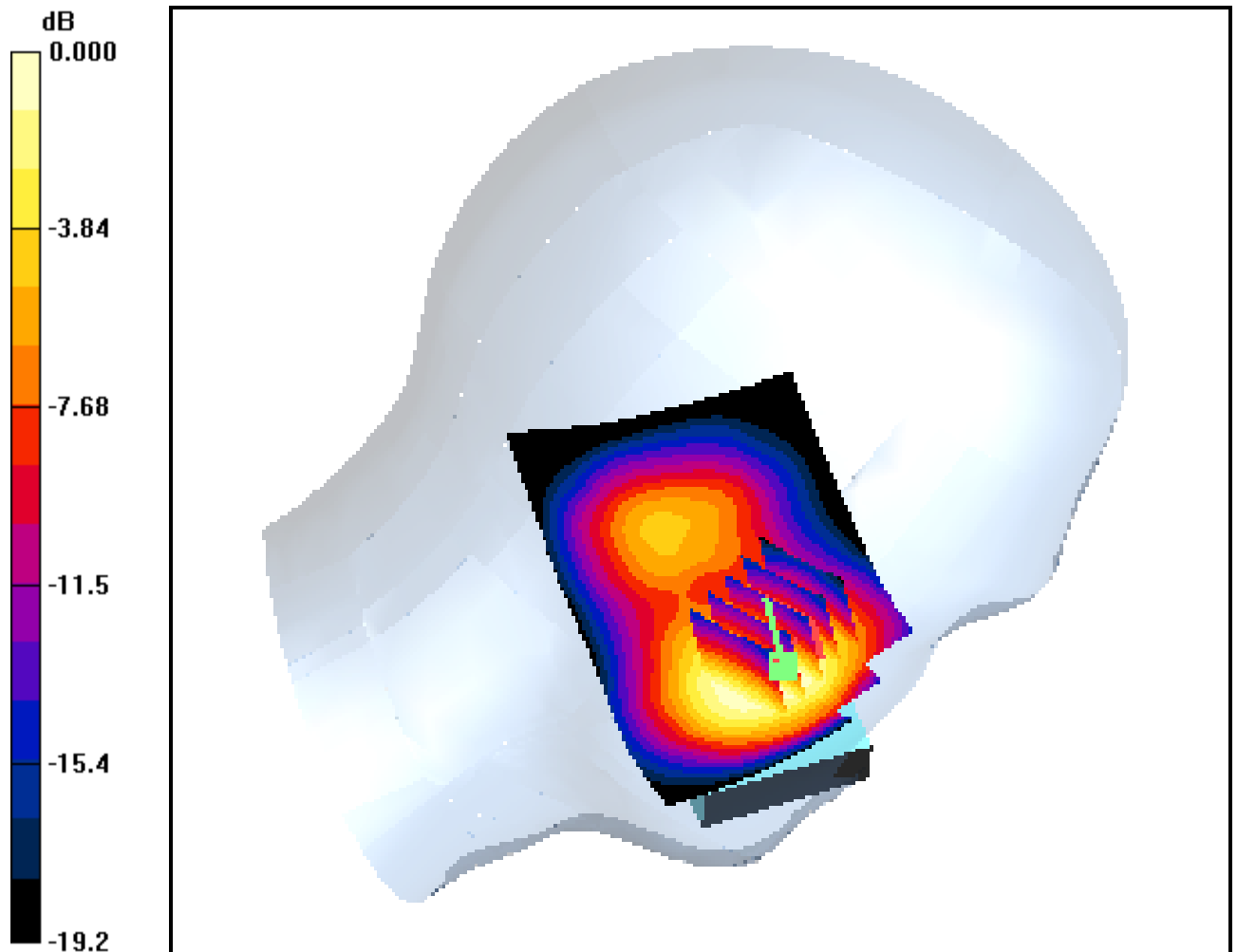
Area Scan (61x91x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

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

Power Drift = -0.035 dB

Peak SAR (extrapolated) = 1.67 W/kg

SAR(1 g) = 1.06 mW/g; SAR(10 g) = 0.634 mW/g



DIGITAL EMC CO., LTD

DUT: MGQ9180; Type: Slide Type

Communication System: PCS1900; Frequency: 1880 MHz; Duty Cycle: 1:8.3
Medium parameters used: $f = 1880 \text{ MHz}$; $\sigma = 1.41 \text{ mho/m}$; $\epsilon_r = 39.1$; $\rho = 1000 \text{ kg/m}^3$
Phantom section: Left Section

DASY4 Configuration:

Probe: ET3DV6 - SN1702; ConvF(5.29, 5.29, 5.29); Calibrated: 2006-03-23; 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

Date: 2007-02-21; Ambient Temp: 20.5; Tissue Temp: 20.0

Left Tilt Slide Down, PCS Ch.661, Ant Intenna, Standard Battery

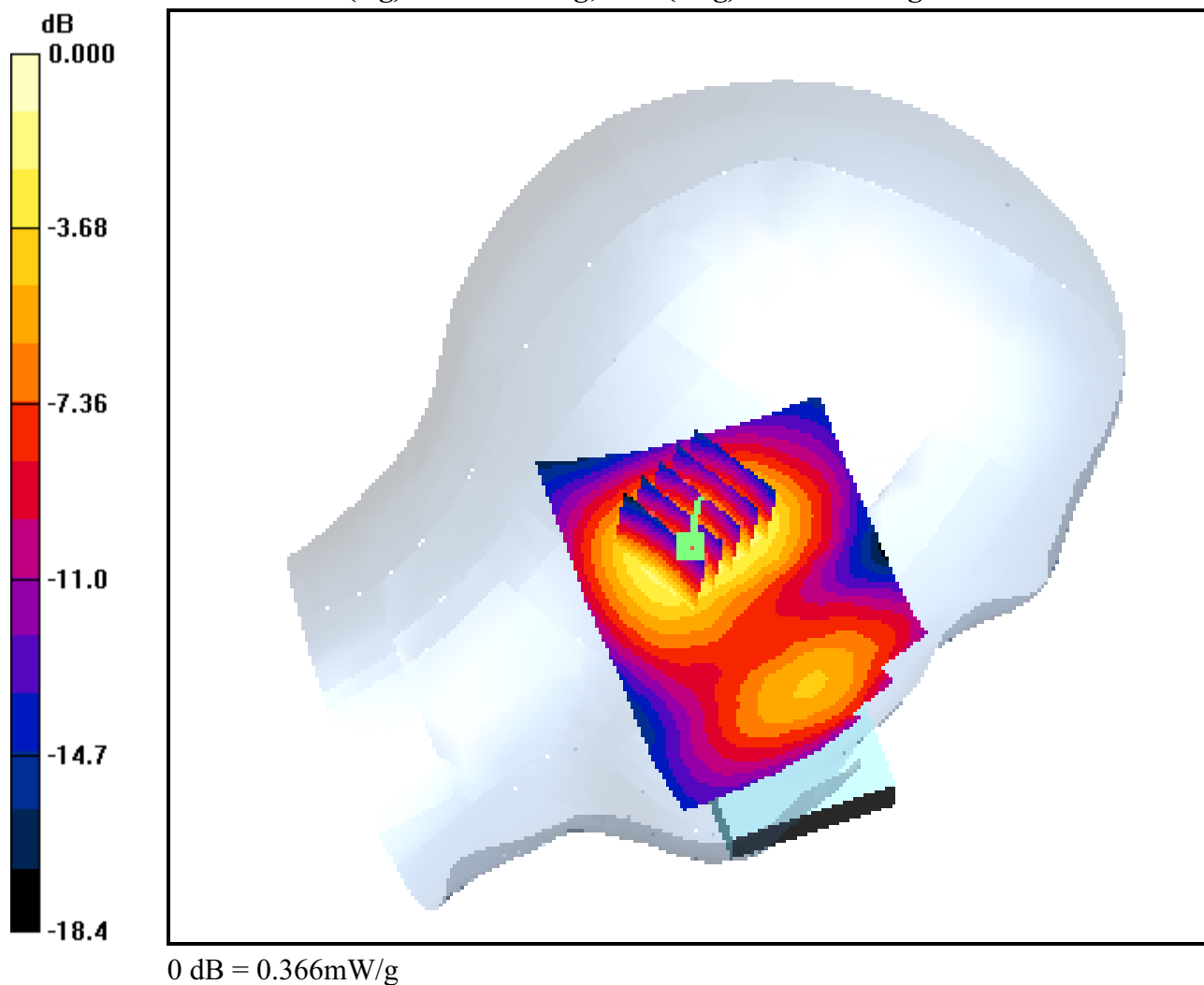
Area Scan (61x91x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

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

Power Drift = -0.095 dB

Peak SAR (extrapolated) = 0.516 W/kg

SAR(1 g) = 0.335 mW/g; SAR(10 g) = 0.199 mW/g



DIGITAL EMC CO., LTD

DUT: MGQ9180; Type: Slide Type

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

Medium parameters used: $f = 1880 \text{ MHz}$; $\sigma = 1.41 \text{ mho/m}$; $\epsilon_r = 39.1$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Right Section

DASY4 Configuration:

Probe: ET3DV6 - SN1702; ConvF(5.29, 5.29, 5.29); Calibrated: 2006-03-23; 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

Date: 2007-02-21; Ambient Temp: 20.5; Tissue Temp: 20.0

Right Touch Slide Down, PCS Ch.661, Ant Intenna, Standard Battery With BT ON

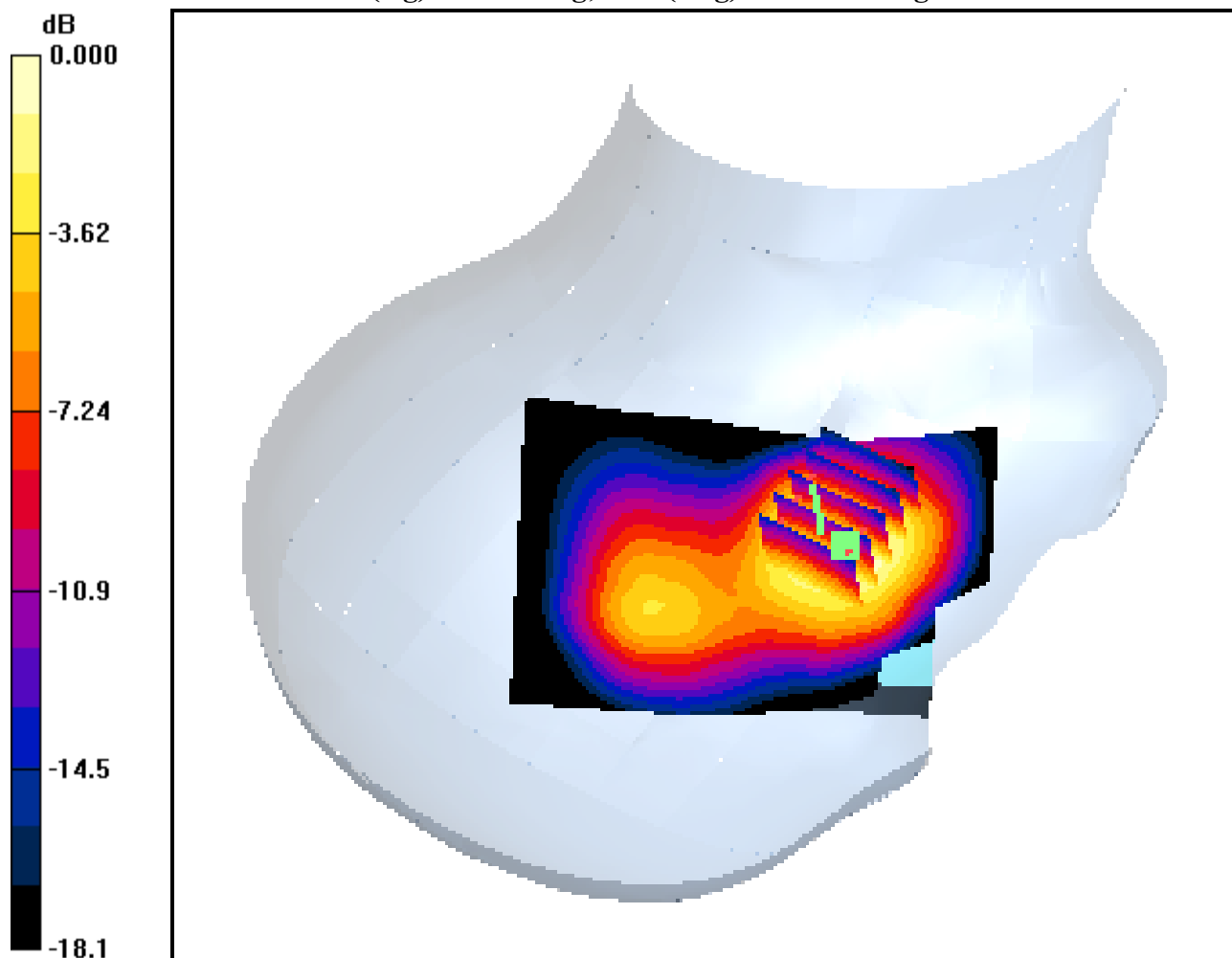
Area Scan (61x91x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

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

Power Drift = -0.051 dB

Peak SAR (extrapolated) = 2.23 W/kg

SAR(1 g) = 1.4 mW/g; SAR(10 g) = 0.812 mW/g



0 dB = 1.50mW/g

DIGITAL EMC CO., LTD

DUT: MGQ9180; Type: Slide Type

Communication System: PCS1900; Frequency: 1850.2 MHz; Duty Cycle: 1:4.15

Medium parameters used: $f = 1850.2 \text{ MHz}$; $\sigma = 1.5 \text{ mho/m}$; $\epsilon_r = 53.6$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

DASY4 Configuration:

Probe: ET3DV6 - SN1702; ConvF(4.76, 4.76, 4.76); Calibrated: 2006-03-23; Electronics: DAE3 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: 2007-02-21; Ambient Temp: 20.5; Tissue Temp: 20.0

1.5cm from Body, PCS Ch.512, Ant Intenna, Standard Battery GPRS Mode

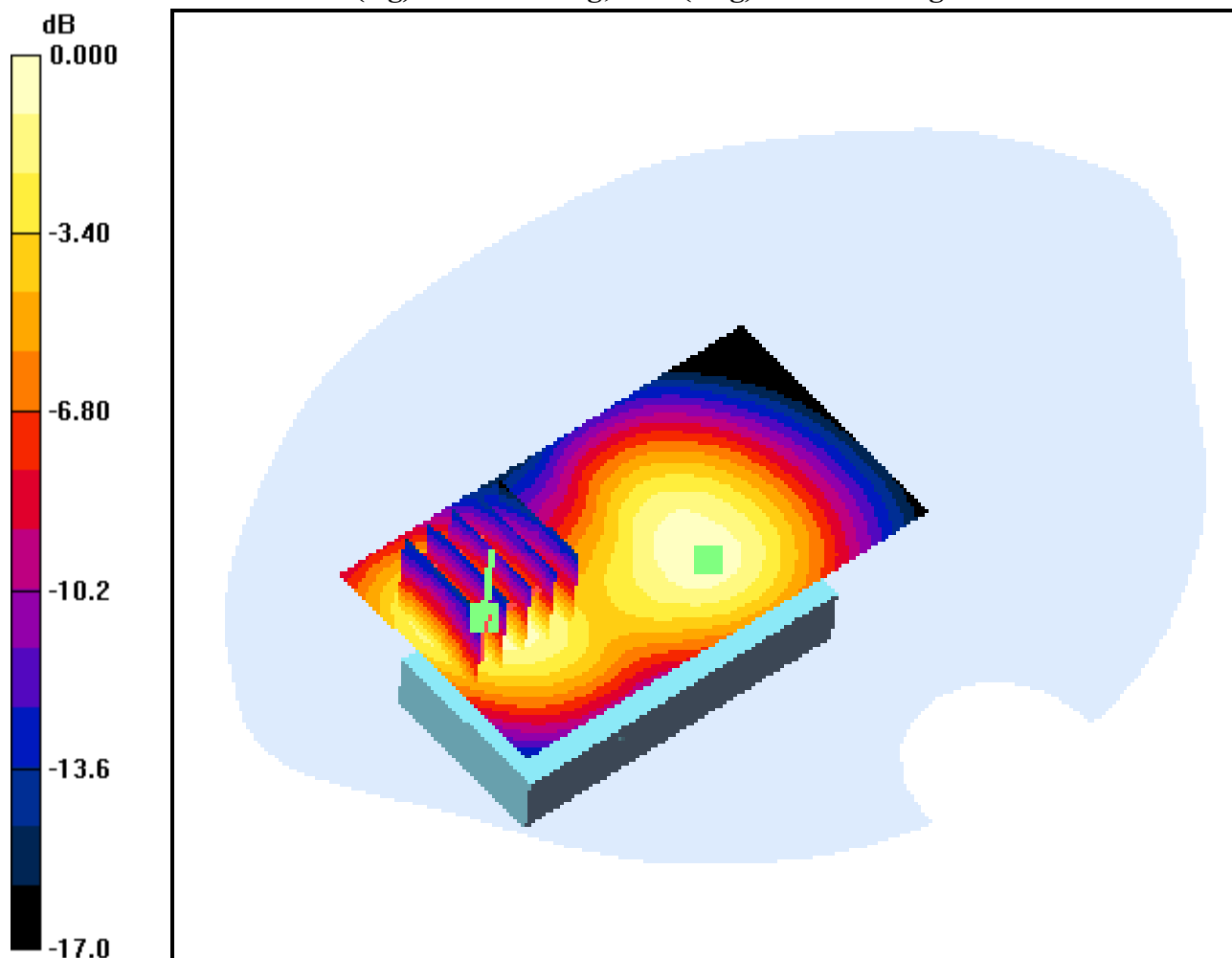
Area Scan (51x91x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

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

Power Drift = -0.285 dB

Peak SAR (extrapolated) = 0.650 W/kg

SAR(1 g) = 0.388 mW/g; SAR(10 g) = 0.227 mW/g



0 dB = 0.420mW/g

DIGITAL EMC CO., LTD

DUT: MGQ9180; Type: Slide Type

Communication System: PCS1900; Frequency: 1850.2 MHz; Duty Cycle: 1:4.15

Medium parameters used: $f = 1850.2 \text{ MHz}$; $\sigma = 1.5 \text{ mho/m}$; $\epsilon_r = 53.6$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

DASY4 Configuration:

Probe: ET3DV6 - SN1702; ConvF(4.76, 4.76, 4.76); Calibrated: 2006-03-23; Electronics: DAE3 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: 2007-02-21; Ambient Temp: 20.5; Tissue Temp: 20.0

1.5cm from Body, PCS Ch.512, Ant Intenna, Standard Battery GPRS Mode

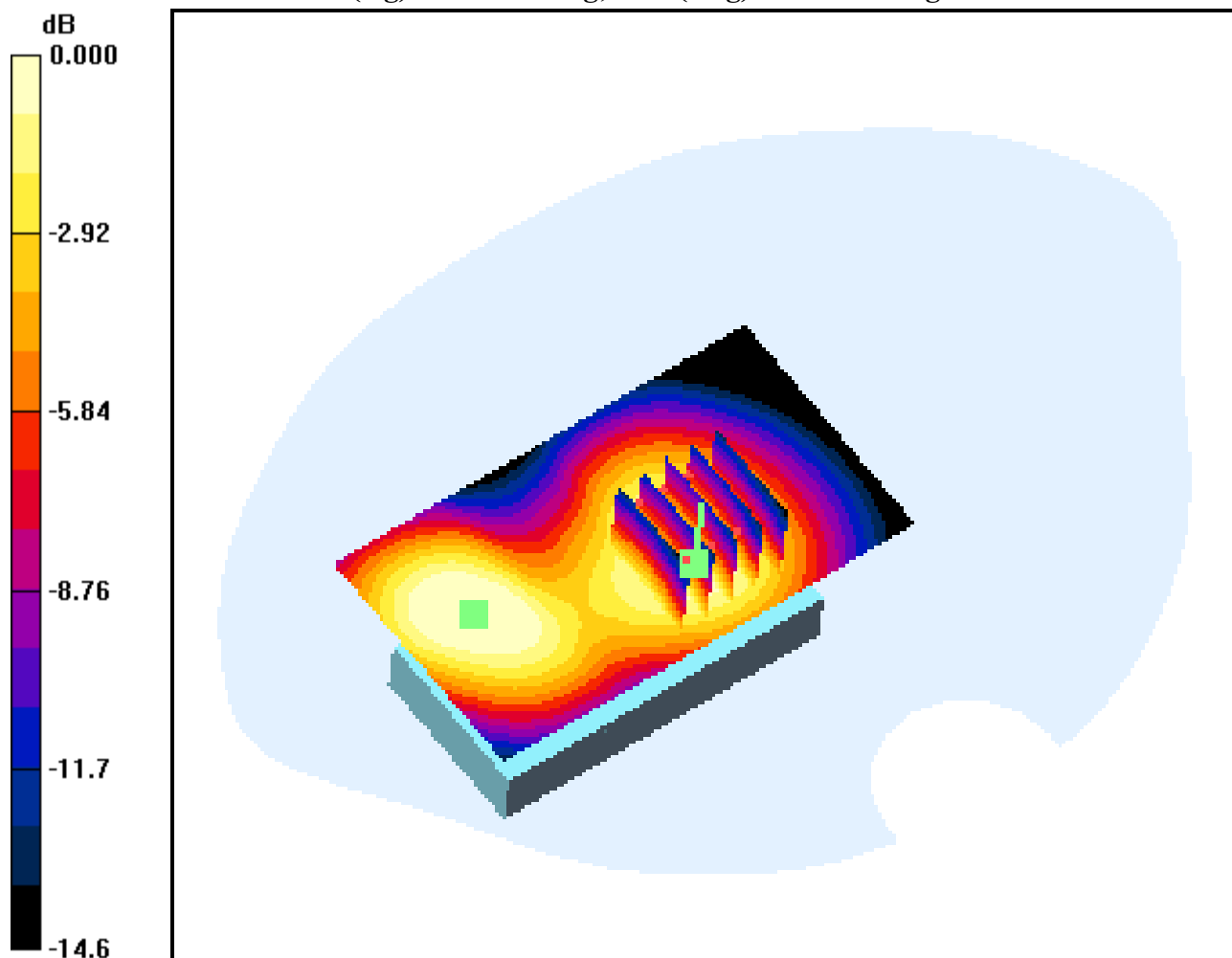
Area Scan (51x91x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

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

Power Drift = -0.285 dB

Peak SAR (extrapolated) = 0.513 W/kg

SAR(1 g) = 0.340 mW/g; SAR(10 g) = 0.215 mW/g



0 dB = 0.362mW/g

DIGITAL EMC CO., LTD

DUT: MGQ9180; Type: Slide Type

Communication System: PCS1900; Frequency: 1880 MHz; Duty Cycle: 1:4.15
Medium parameters used: $f = 1880 \text{ MHz}$; $\sigma = 1.53 \text{ mho/m}$; $\epsilon_r = 53.5$; $\rho = 1000 \text{ kg/m}^3$
Phantom section: Flat Section

DASY4 Configuration:

Probe: ET3DV6 - SN1702; ConvF(4.76, 4.76, 4.76); Calibrated: 2006-03-23; Electronics: DAE3 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: 2007-02-21; Ambient Temp: 20.5; Tissue Temp: 20.0

1.5cm from Body, PCS Ch.661, Ant Intenna, Standard Battery GPRS Mode

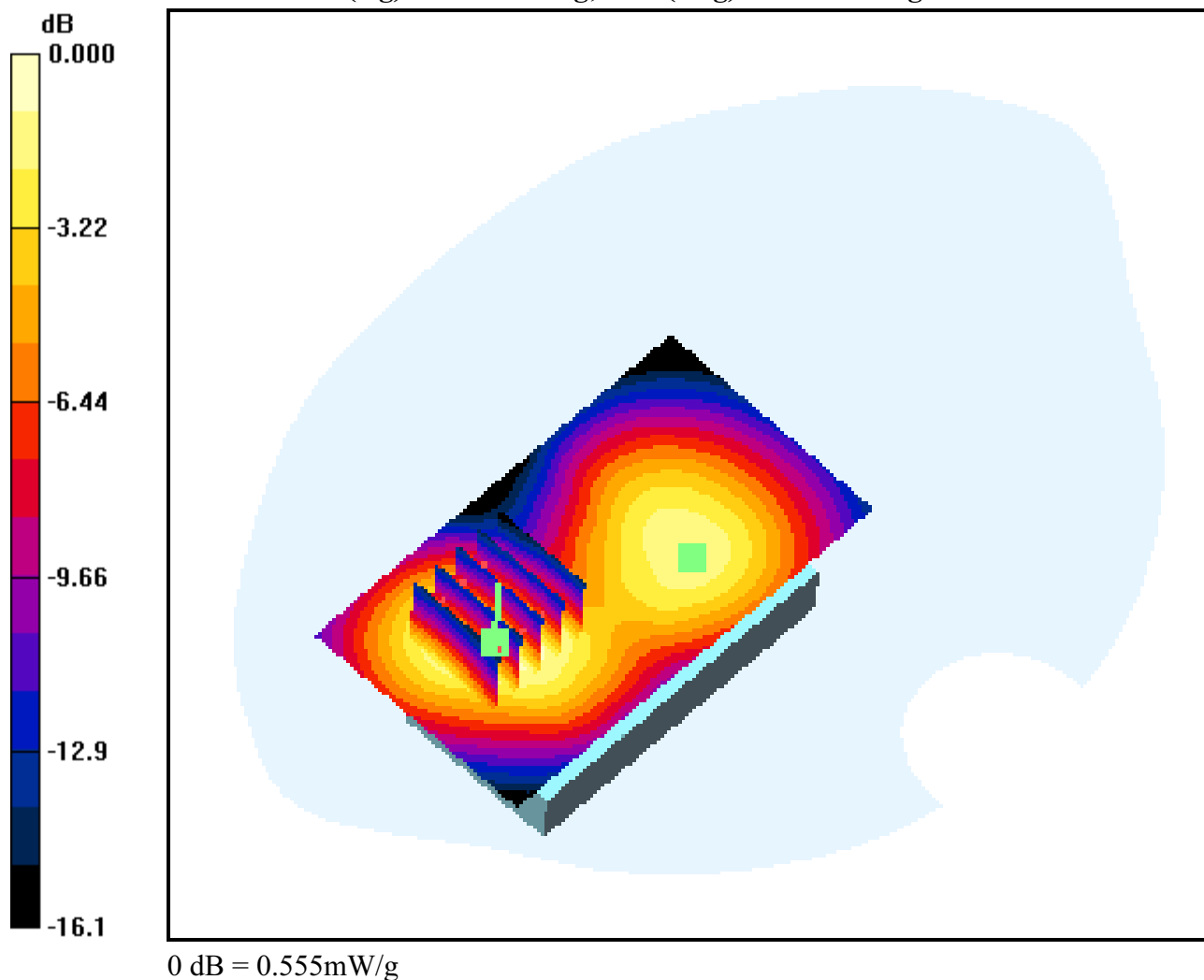
Area Scan (51x91x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

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

Power Drift = -0.049 dB

Peak SAR (extrapolated) = 0.867 W/kg

SAR(1 g) = 0.512 mW/g; SAR(10 g) = 0.299 mW/g



DIGITAL EMC CO., LTD

DUT: MGQ9180; Type: Slide Type

Communication System: PCS1900; Frequency: 1880 MHz; Duty Cycle: 1:4.15
Medium parameters used: $f = 1880 \text{ MHz}$; $\sigma = 1.53 \text{ mho/m}$; $\epsilon_r = 53.5$; $\rho = 1000 \text{ kg/m}^3$
Phantom section: Flat Section

DASY4 Configuration:

Probe: ET3DV6 - SN1702; ConvF(4.76, 4.76, 4.76); Calibrated: 2006-03-23; Electronics: DAE3 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: 2007-02-21; Ambient Temp: 20.5; Tissue Temp: 20.0

1.5cm from Body, PCS Ch.661, Ant Intenna, Standard Battery GPRS Mode

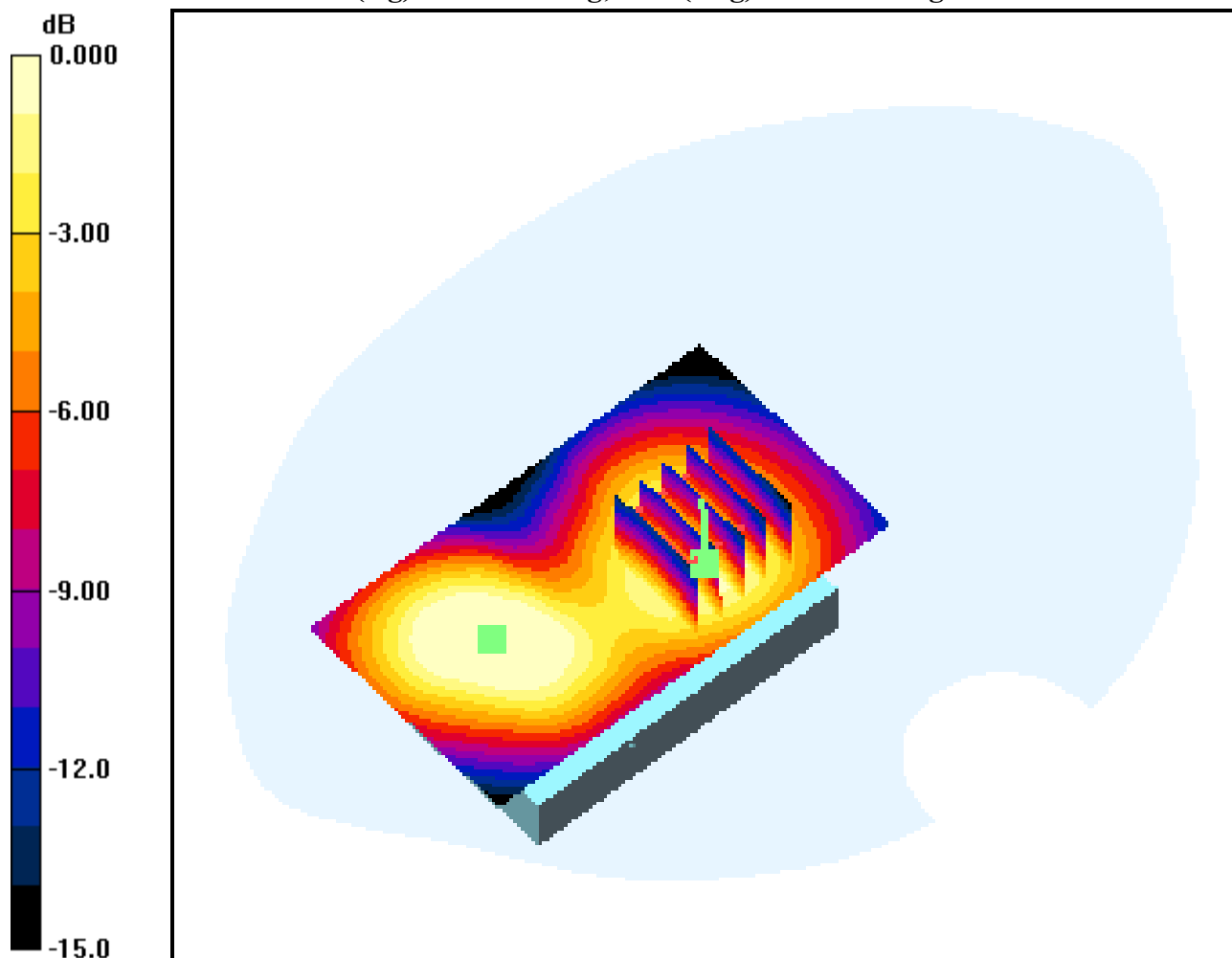
Area Scan (51x91x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

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

Power Drift = -0.049 dB

Peak SAR (extrapolated) = 0.581 W/kg

SAR(1 g) = 0.377 mW/g; SAR(10 g) = 0.237 mW/g



0 dB = 0.402mW/g

DIGITAL EMC CO., LTD

DUT: MGQ9180; Type: Slide Type

Communication System: PCS1900; Frequency: 1909.8 MHz; Duty Cycle: 1:4.15
Medium parameters used: $f = 1909.8 \text{ MHz}$; $\sigma = 1.57 \text{ mho/m}$; $\epsilon_r = 53.5$; $\rho = 1000 \text{ kg/m}^3$
Phantom section: Flat Section

DASY4 Configuration:

Probe: ET3DV6 - SN1702; ConvF(4.76, 4.76, 4.76); Calibrated: 2006-03-23; Electronics: DAE3 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: 2007-02-21; Ambient Temp: 20.5; Tissue Temp: 20.0

1.5cm from Body, PCS Ch.810, Ant Intenna, Standard Battery GPRS Mode

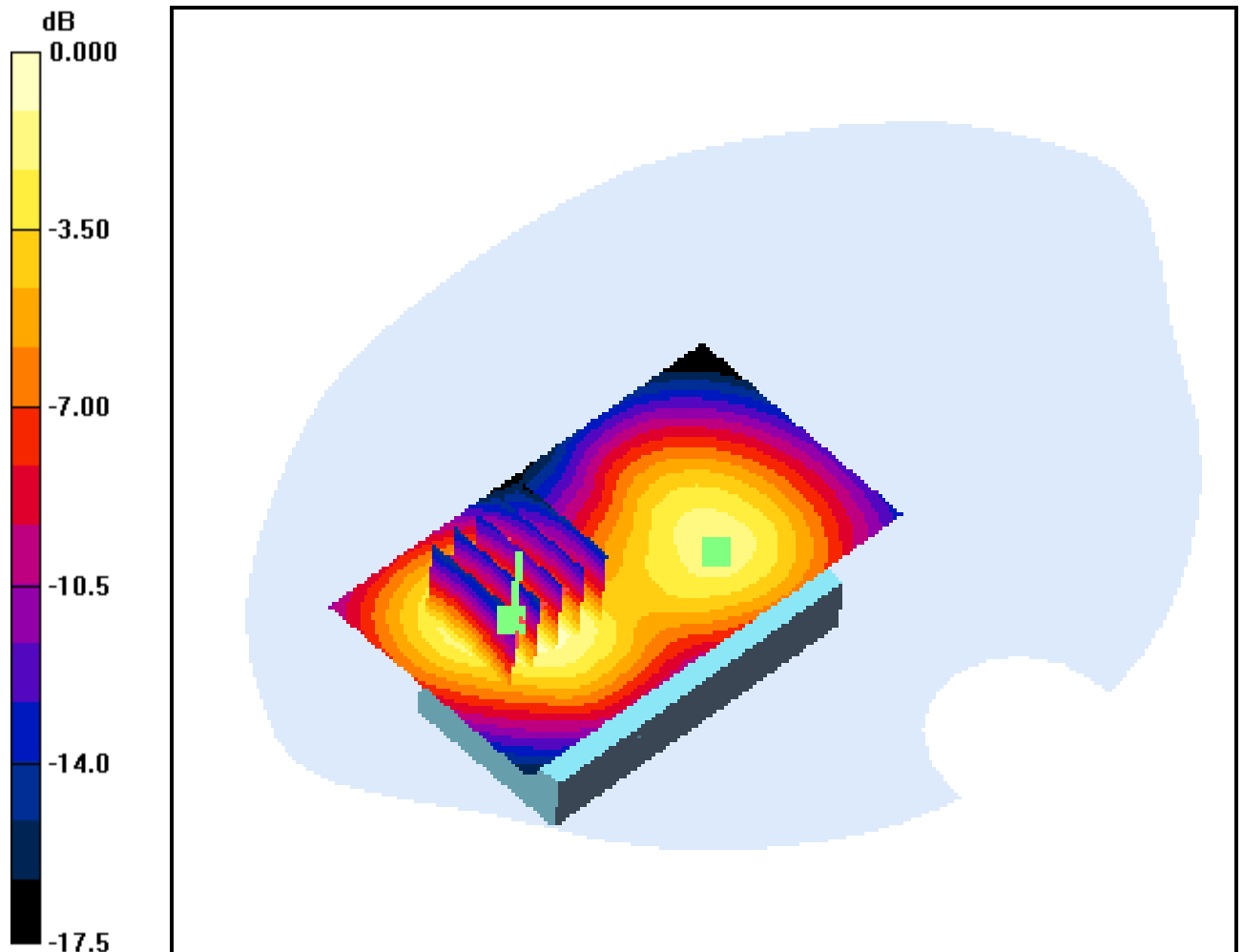
Area Scan (51x91x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

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

Power Drift = -0.114 dB

Peak SAR (extrapolated) = 0.798 W/kg

SAR(1 g) = 0.475 mW/g; SAR(10 g) = 0.277 mW/g



0 dB = 0.515mW/g

DIGITAL EMC CO., LTD

DUT: MGQ9180; Type: Slide Type

Communication System: PCS1900; Frequency: 1909.8 MHz; Duty Cycle: 1:4.15
Medium parameters used: $f = 1909.8 \text{ MHz}$; $\sigma = 1.57 \text{ mho/m}$; $\epsilon_r = 53.5$; $\rho = 1000 \text{ kg/m}^3$
Phantom section: Flat Section

DASY4 Configuration:

Probe: ET3DV6 - SN1702; ConvF(4.76, 4.76, 4.76); Calibrated: 2006-03-23; Electronics: DAE3 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: 2007-02-21; Ambient Temp: 20.5; Tissue Temp: 20.0

1.5cm from Body, PCS Ch.810, Ant Intenna, Standard Battery GPRS Mode

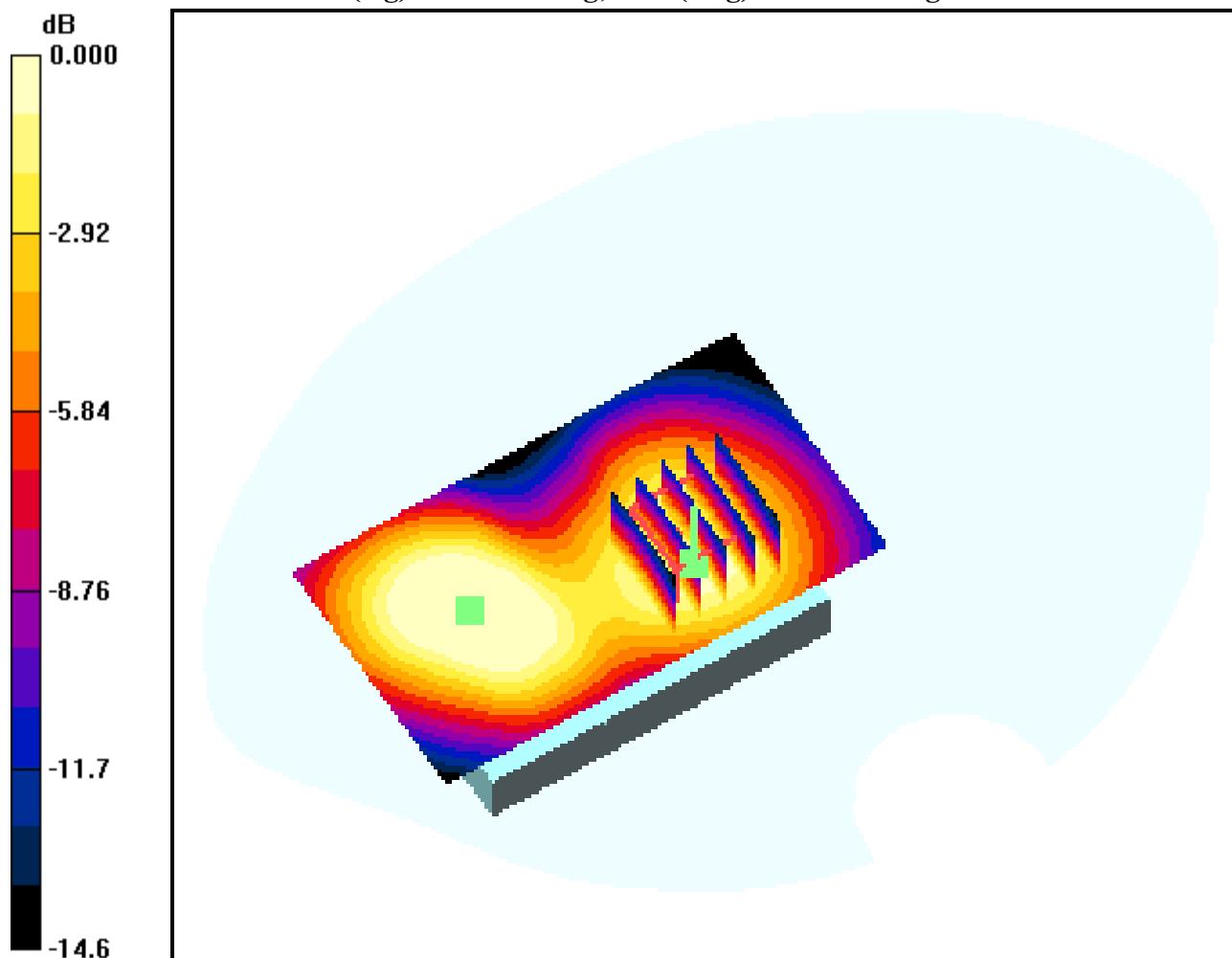
Area Scan (51x91x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

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

Power Drift = -0.114 dB

Peak SAR (extrapolated) = 0.513 W/kg

SAR(1 g) = 0.328 mW/g; SAR(10 g) = 0.205 mW/g



0 dB = 0.351mW/g

DIGITAL EMC CO., LTD

DUT: MGQ9180; Type: Slide Type

Communication System: PCS1900; Frequency: 1880 MHz; Duty Cycle: 1:4.15
Medium parameters used: $f = 1880 \text{ MHz}$; $\sigma = 1.53 \text{ mho/m}$; $\epsilon_r = 53.5$; $\rho = 1000 \text{ kg/m}^3$
Phantom section: Flat Section

DASY4 Configuration:

Probe: ET3DV6 - SN1702; ConvF(4.76, 4.76, 4.76); Calibrated: 2006-03-23; Electronics: DAE3 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: 2007-02-21; Ambient Temp: 20.5; Tissue Temp: 20.0

1.5cm from Body, PCS Ch.661, Ant Intenna, Standard Battery GPRS Mode With BT ON

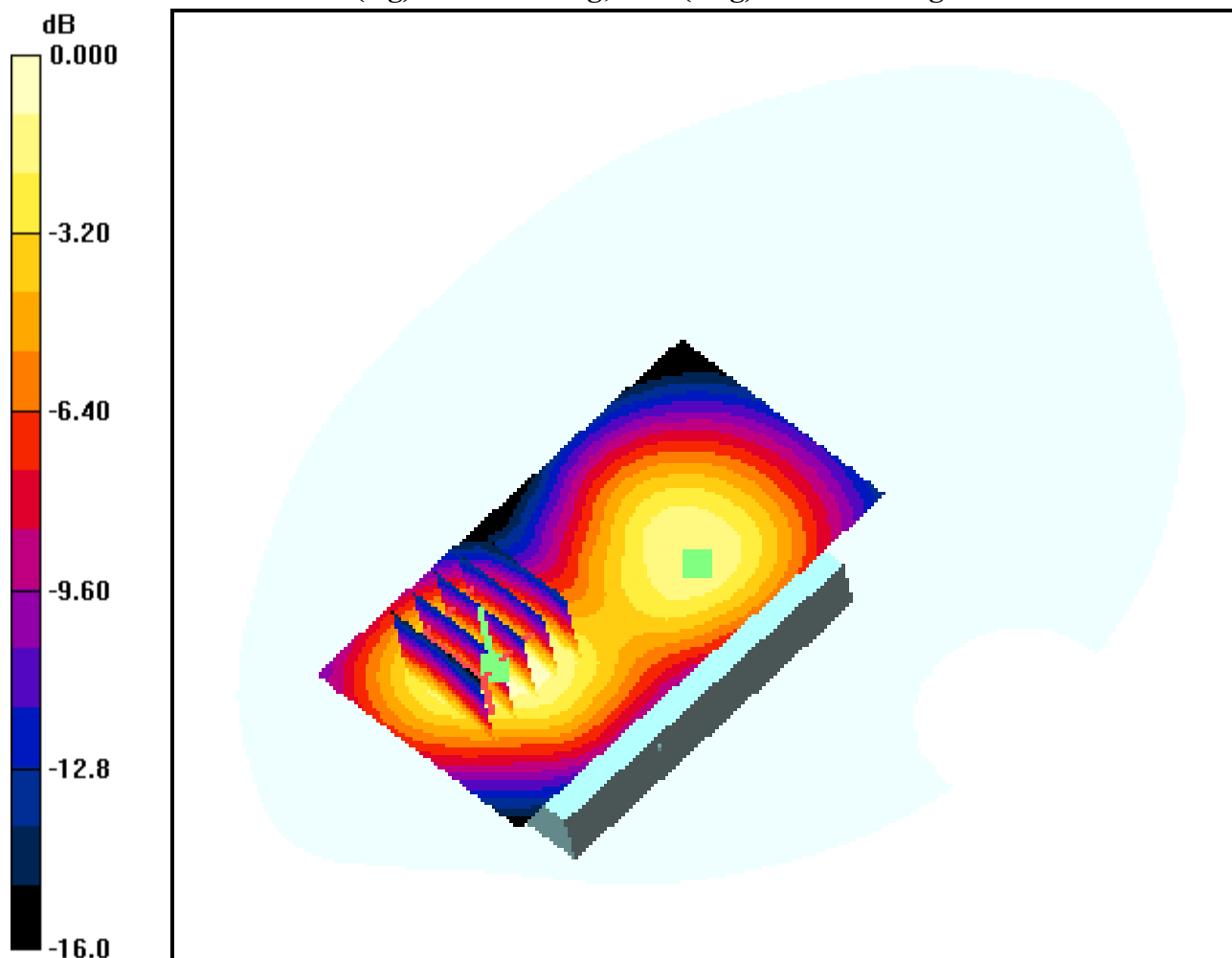
Area Scan (51x91x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

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

Power Drift = -0.008 dB

Peak SAR (extrapolated) = 0.788 W/kg

SAR(1 g) = 0.472 mW/g; SAR(10 g) = 0.277 mW/g



0 dB = 0.509mW/g

DIGITAL EMC CO., LTD

DUT: MGQ9180; Type: Slide Type

Communication System: PCS1900; Frequency: 1880 MHz; Duty Cycle: 1:4.15
Medium parameters used: $f = 1880 \text{ MHz}$; $\sigma = 1.53 \text{ mho/m}$; $\epsilon_r = 53.5$; $\rho = 1000 \text{ kg/m}^3$
Phantom section: Flat Section

DASY4 Configuration:

Probe: ET3DV6 - SN1702; ConvF(4.76, 4.76, 4.76); Calibrated: 2006-03-23; Electronics: DAE3 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: 2007-02-21; Ambient Temp: 20.5; Tissue Temp: 20.0

1.5cm from Body, PCS Ch.661, Ant Intenna, Standard Battery GPRS Mode With BT ON

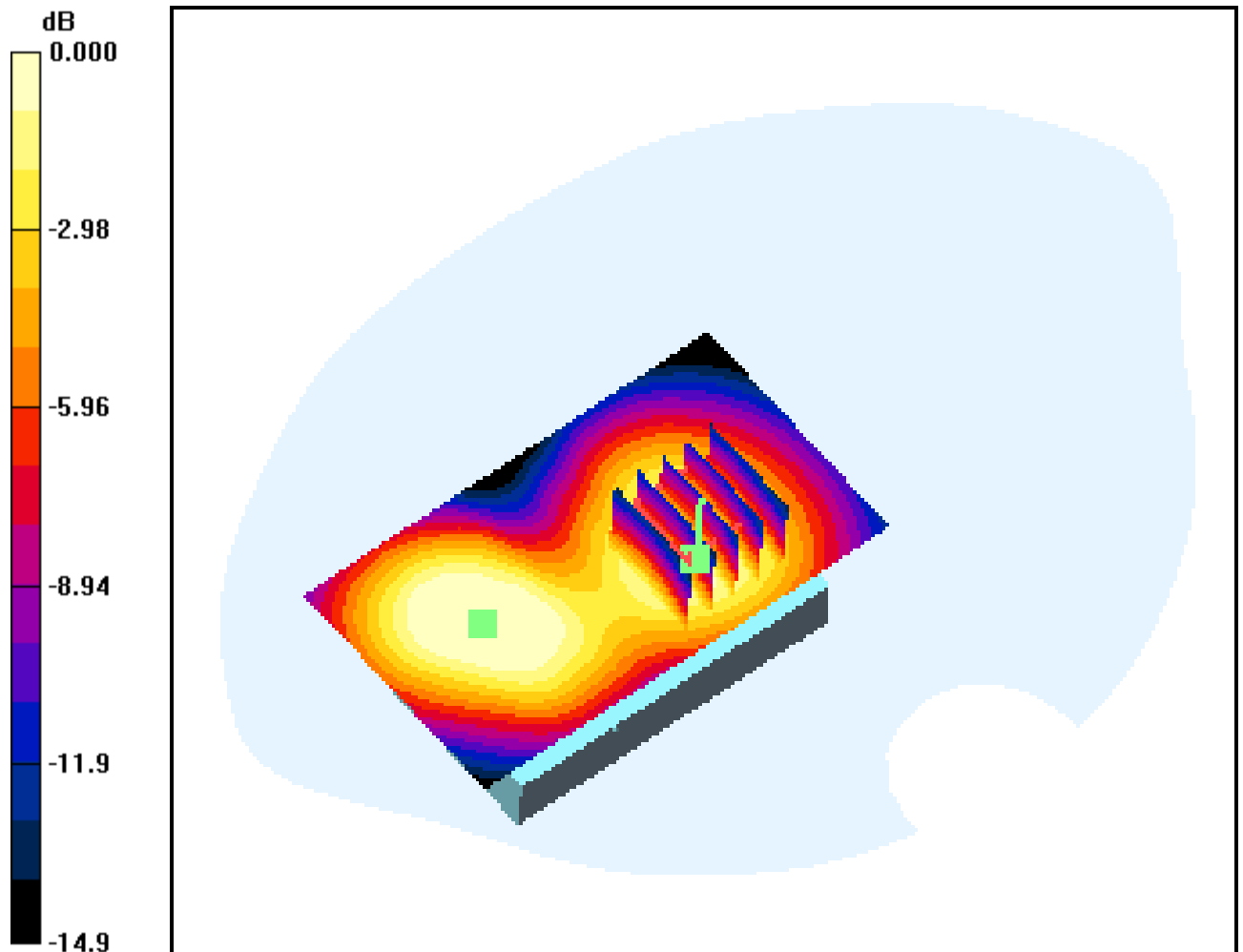
Area Scan (51x91x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

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

Power Drift = -0.008 dB

Peak SAR (extrapolated) = 0.551 W/kg

SAR(1 g) = 0.365 mW/g; SAR(10 g) = 0.231 mW/g



0 dB = 0.387mW/g

DIGITAL EMC CO., LTD

DUT: MGQ9180; Type: Slide Type

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

Medium parameters used: $f = 836.6 \text{ MHz}$; $\sigma = 0.911 \text{ mho/m}$; $\epsilon_r = 41.8$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Left Section

DASY4 Configuration:

Probe: ET3DV6 - SN1702; ConvF(6.66, 6.66, 6.66); Calibrated: 2006-03-23; 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

Date: 2007-02-27; Ambient Temp: 20.0; Tissue Temp: 20.0

Left Touch, Slide_Down, GSM Ch.190, Ant Fixed, Standard Battery With BT ON

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

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

Power Drift = -0.135 dB

Peak SAR (extrapolated) = 0.663 W/kg

SAR(1 g) = 0.499 mW/g; SAR(10 g) = 0.359 mW/g

1g/10g Averaged SAR

SAR; Zoom Scan Value Along Z, X=2, Y=2



DIGITAL EMC CO., LTD

DUT: MGQ9180; Type: Slide Type

Communication System: GSM 850; Frequency: 836.6 MHz; Duty Cycle: 1:4.15

Medium parameters used: $f = 836.6 \text{ MHz}$; $\sigma = 0.989 \text{ mho/m}$; $\epsilon_r = 53.4$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

DASY4 Configuration:

Probe: ET3DV6 - SN1702; ConvF(6.21, 6.21, 6.21); Calibrated: 2006-03-23; Electronics: DAE3 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: 2007-02-27; Ambient Temp: 20.0; Tissue Temp: 20.0

1.5cm from Body, GSM Ch.190, Ant Intenna, Standard Battery GPRS Mode

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

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

Power Drift = -0.157 dB

Peak SAR (extrapolated) = 0.799 W/kg

SAR(1 g) = 0.619 mW/g; SAR(10 g) = 0.440 mW/g

1g/10g Averaged SAR

SAR, Zoom Scan, Value Along Z, X 2, Y 2



DIGITAL EMC CO., LTD

DUT: MGQ9180; Type: Slide Type

Communication System: PCS1900; Frequency: 1880 MHz; Duty Cycle: 1:8.3
Medium parameters used: $f = 1880$ MHz; $\sigma = 1.41$ mho/m; $\epsilon_r = 39.1$; $\rho = 1000$ kg/m³
Phantom section: Right Section

DASY4 Configuration:

Probe: ET3DV6 - SN1702; ConvF(5.29, 5.29, 5.29); Calibrated: 2006-03-23; 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

Date: 2007-02-21; Ambient Temp: 20.5; Tissue Temp: 20.0

Right Touch Slide Down, PCS Ch.661, Ant Intenna, Standard Battery With BT ON

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

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

Power Drift = -0.051 dB

Peak SAR (extrapolated) = 2.23 W/kg

SAR(1 g) = 1.4 mW/g; SAR(10 g) = 0.812 mW/g

1g/10g Averaged SAR

SAR; Zoom Scan Value Along Z, X=3, Y=2



DIGITAL EMC CO., LTD

DUT: MGQ9180; Type: Slide Type

Communication System: PCS1900; Frequency: 1880 MHz; Duty Cycle: 1:4.15

Medium parameters used: $f = 1880$ MHz; $\sigma = 1.53$ mho/m; $\epsilon_r = 53.5$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY4 Configuration:

Probe: ET3DV6 - SN1702; ConvF(4.76, 4.76, 4.76); Calibrated: 2006-03-23; 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: 2007-02-21; Ambient Temp: 20.5; Tissue Temp: 20.0

1.5cm from Body, PCS Ch.661, Ant Intenna, Standard Battery GPRS Mode

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

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

Power Drift = -0.049 dB

Peak SAR (extrapolated) = 0.867 W/kg

SAR(1 g) = 0.512 mW/g; SAR(10 g) = 0.299 mW/g

0.02', 0.547

1g/10g Averaged SAR

SAR, Zoom Scan: Value Along Z, X=2, Y=2

