

# DIGITAL EMC CO., LTD

**DUT: Dipole 2450 MHz; Type: D2450V2; Serial: D2450V2 - SN:726**

Communication System: CW; Frequency: 2450 MHz; Duty Cycle: 1:1

Medium parameters used:  $f = 2450 \text{ MHz}$ ;  $\sigma = 1.83 \text{ mho/m}$ ;  $\epsilon_r = 37.8$ ;  $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

## **DASY4 Configuration:**

Probe: EX3DV4 - SN3643; ConvF(6.92, 6.92, 6.92); Calibrated: 2009-01-14; Electronics: DAE3 Sn519

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: 2009-04-30; Ambient Temp: 23.0; Tissue Temp: 22.7

## **Dipole Validation**

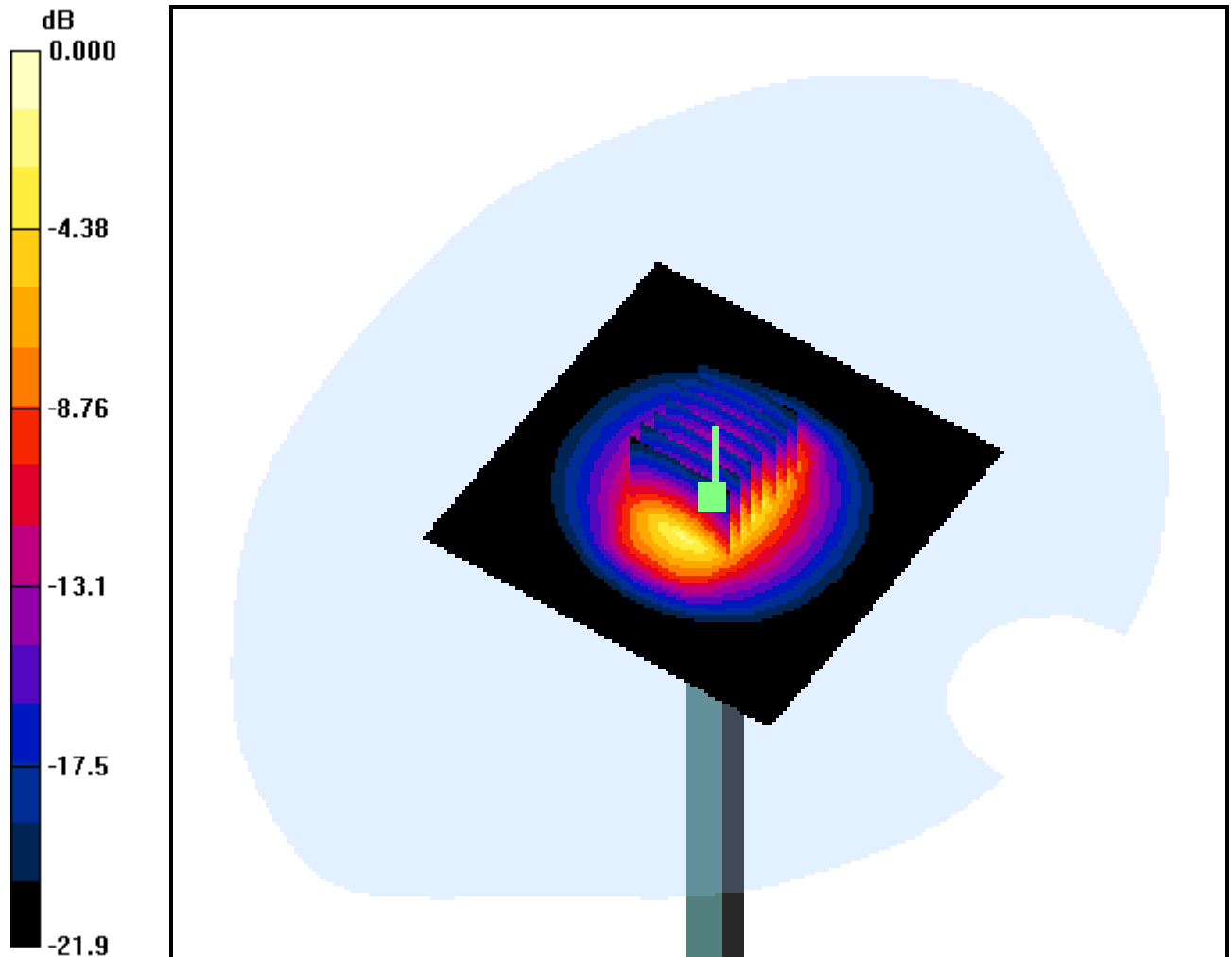
**Area Scan (71x71x1):** Measurement grid:  $dx=15\text{mm}$ ,  $dy=15\text{mm}$

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

Power Drift = -0.045 dB

Peak SAR (extrapolated) = 29.1 W/kg

**SAR(1 g) = 13.6 mW/g; SAR(10 g) = 6.26 mW/g**



0 dB = 15.4mW/g

# DIGITAL EMC CO., LTD

**DUT: S5 PREMIUM H; Type: UMPC**

Communication System: W-LAN; Frequency: 2437 MHz; Duty Cycle: 1:1

Medium parameters used:  $f = 2437 \text{ MHz}$ ;  $\sigma = 1.98 \text{ mho/m}$ ;  $\epsilon_r = 52.2$ ;  $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

## **DASY4 Configuration:**

Probe: EX3DV4 - SN3643; ConvF(6.8, 6.8, 6.8); Calibrated: 2009-01-14; Electronics: DAE3 Sn519

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: 2009-04-30; Ambient Temp: 23.0; Tissue Temp: 22.7

**Touch from Body(Back), W-LAN(802.11b)Ch.6, Ant Fixed, Battery Mode**

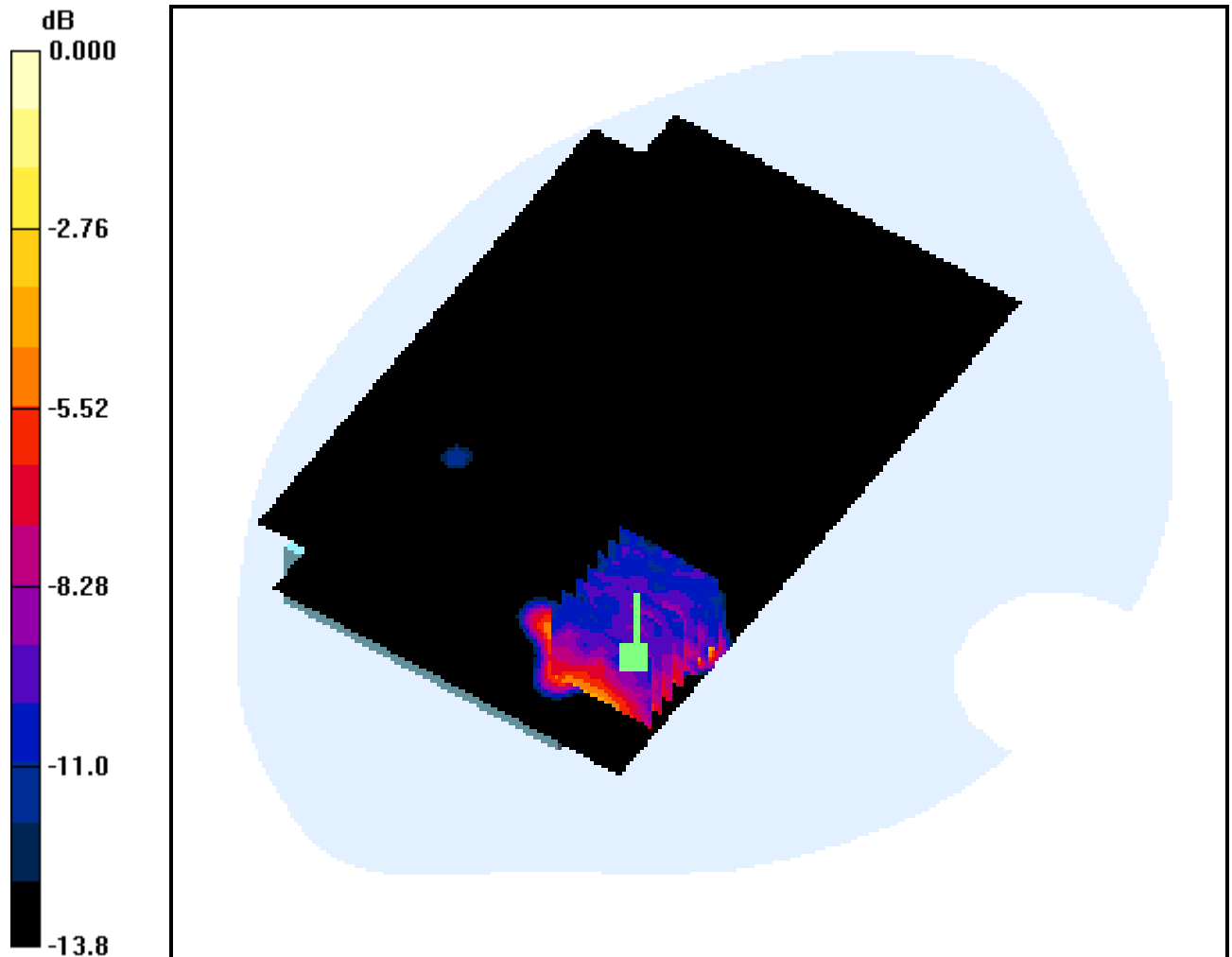
**Area Scan (81x121x1):** Measurement grid:  $dx=15\text{mm}$ ,  $dy=15\text{mm}$

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

Power Drift = -0.263 dB

Peak SAR (extrapolated) = 0.056 W/kg

**SAR(1 g) = 0.029 mW/g; SAR(10 g) = 0.014 mW/g**



0 dB = 0.041mW/g

# DIGITAL EMC CO., LTD

**DUT: S5 PREMIUM H; Type: UMPC**

Communication System: W-LAN; Frequency: 2437 MHz; Duty Cycle: 1:1

Medium parameters used:  $f = 2437 \text{ MHz}$ ;  $\sigma = 1.98 \text{ mho/m}$ ;  $\epsilon_r = 52.2$ ;  $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

## **DASY4 Configuration:**

Probe: EX3DV4 - SN3643; ConvF(6.8, 6.8, 6.8); Calibrated: 2009-01-14; Electronics: DAE3 Sn519

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: 2009-04-30; Ambient Temp: 23.0; Tissue Temp: 22.7

**Touch from Body(Front), W-LAN(802.11b)Ch.6, Ant Fixed, Battery Mode**

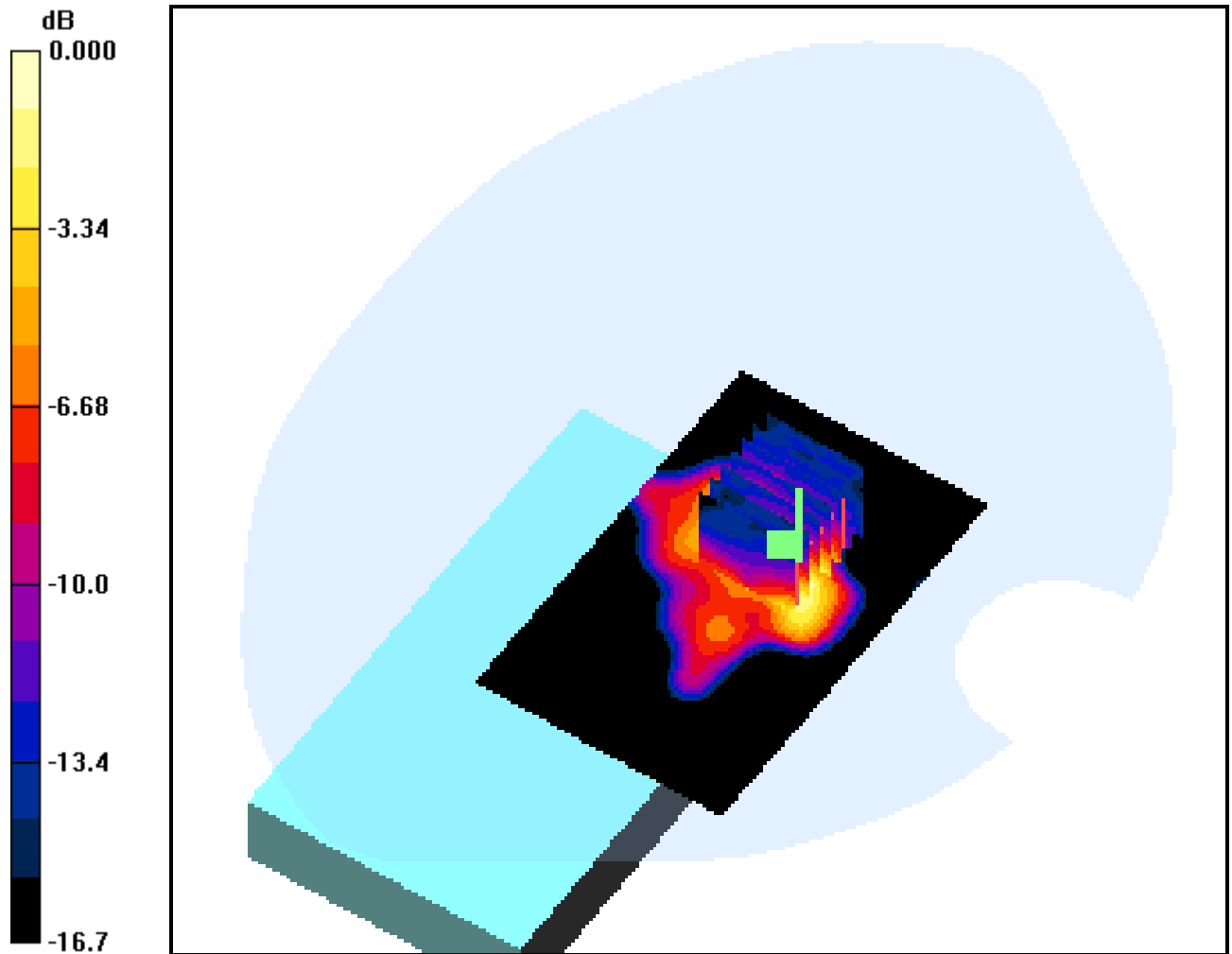
**Area Scan (51x81x1):** Measurement grid:  $dx=15\text{mm}$ ,  $dy=15\text{mm}$

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

Power Drift = 0.022 dB

Peak SAR (extrapolated) = 0.179 W/kg

**SAR(1 g) = 0.088 mW/g; SAR(10 g) = 0.042 mW/g**



0 dB = 0.122mW/g

# DIGITAL EMC CO., LTD

**DUT: S5 PREMIUM H; Type: UMPC**

Communication System: W-LAN; Frequency: 2412 MHz; Duty Cycle: 1:1

Medium parameters used:  $f = 2412 \text{ MHz}$ ;  $\sigma = 1.95 \text{ mho/m}$ ;  $\epsilon_r = 52.3$ ;  $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

## **DASY4 Configuration:**

Probe: EX3DV4 - SN3643; ConvF(6.8, 6.8, 6.8); Calibrated: 2009-01-14; Electronics: DAE3 Sn519

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: 2009-04-30; Ambient Temp: 23.0; Tissue Temp: 22.7

**Touch from Body(Side), W-LAN(802.11b)Ch.1, Ant Fixed, Battery Mode**

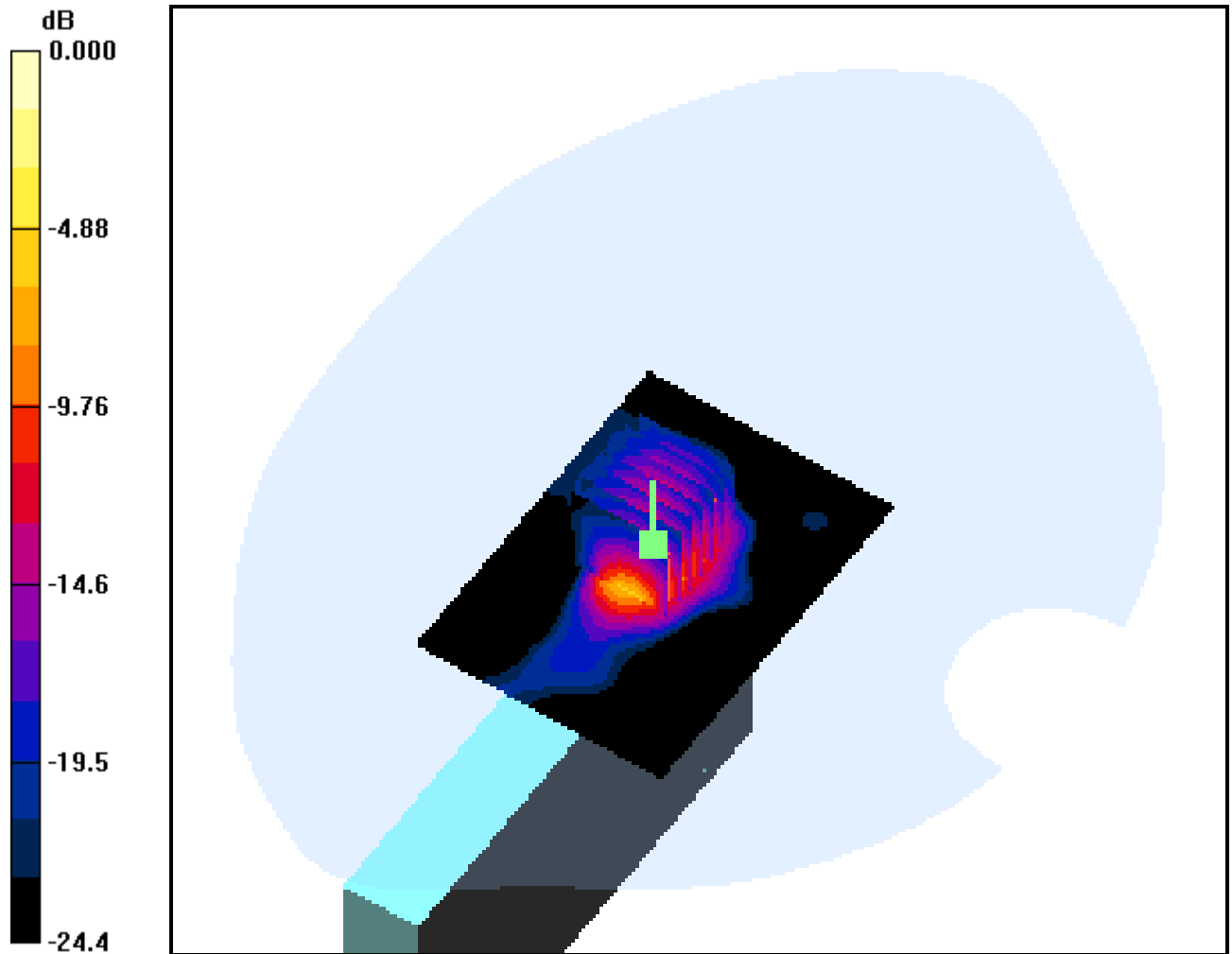
**Area Scan (51x71x1):** Measurement grid:  $dx=15\text{mm}$ ,  $dy=15\text{mm}$

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

Power Drift = 0.225 dB

Peak SAR (extrapolated) = 1.73 W/kg

**SAR(1 g) = 0.681 mW/g; SAR(10 g) = 0.238 mW/g**



0 dB = 1.03mW/g

# DIGITAL EMC CO., LTD

**DUT: S5 PREMIUM H; Type: UMPC**

Communication System: W-LAN; Frequency: 2437 MHz; Duty Cycle: 1:1

Medium parameters used:  $f = 2437 \text{ MHz}$ ;  $\sigma = 1.98 \text{ mho/m}$ ;  $\epsilon_r = 52.2$ ;  $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

## **DASY4 Configuration:**

Probe: EX3DV4 - SN3643; ConvF(6.8, 6.8, 6.8); Calibrated: 2009-01-14; Electronics: DAE3 Sn519

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: 2009-04-30; Ambient Temp: 23.0; Tissue Temp: 22.7

**Touch from Body(Side), W-LAN(802.11b)Ch.6, Ant Fixed, Battery Mode**

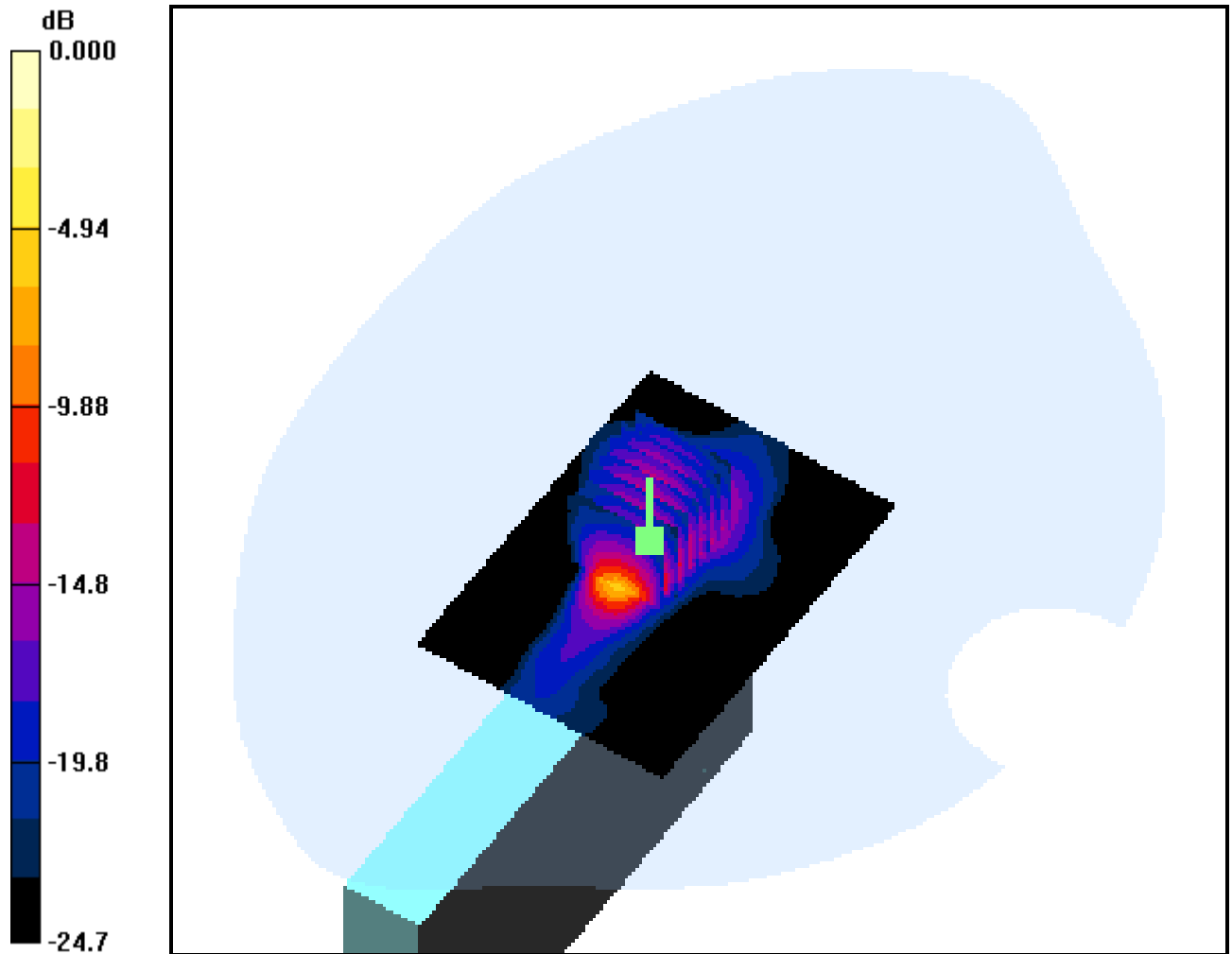
**Area Scan (51x71x1):** Measurement grid:  $dx=15\text{mm}$ ,  $dy=15\text{mm}$

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

Power Drift = 0.264 dB

Peak SAR (extrapolated) = 1.61 W/kg

**SAR(1 g) = 0.637 mW/g; SAR(10 g) = 0.221 mW/g**



0 dB = 1.05mW/g

# DIGITAL EMC CO., LTD

**DUT: S5 PREMIUM H; Type: UMPC**

Communication System: W-LAN; Frequency: 2462 MHz; Duty Cycle: 1:1

Medium parameters used:  $f = 2462 \text{ MHz}$ ;  $\sigma = 2.01 \text{ mho/m}$ ;  $\epsilon_r = 52.1$ ;  $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

## **DASY4 Configuration:**

Probe: EX3DV4 - SN3643; ConvF(6.8, 6.8, 6.8); Calibrated: 2009-01-14; Electronics: DAE3 Sn519

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: 2009-04-30; Ambient Temp: 23.0; Tissue Temp: 22.7

**Touch from Body(Side), W-LAN(802.11b)Ch.11, Ant Fixed, Battery Mode**

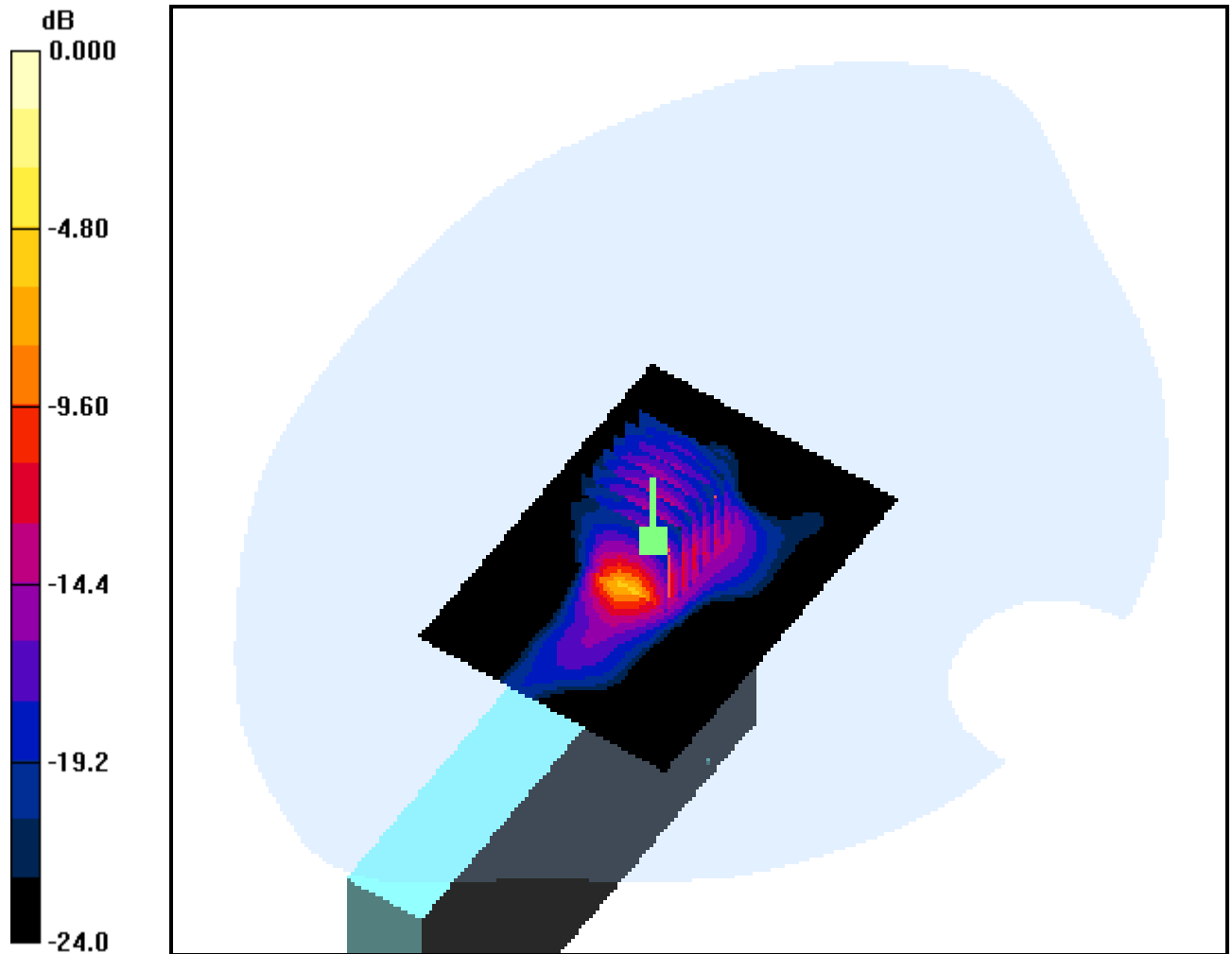
**Area Scan (51x71x1):** Measurement grid:  $dx=15\text{mm}$ ,  $dy=15\text{mm}$

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

Power Drift = 0.305 dB

Peak SAR (extrapolated) = 1.40 W/kg

**SAR(1 g) = 0.547 mW/g; SAR(10 g) = 0.188 mW/g**



0 dB = 0.863mW/g

# DIGITAL EMC CO., LTD

**DUT: S5 PREMIUM H; Type: UMPC**

Communication System: W-LAN; Frequency: 2437 MHz; Duty Cycle: 1:1

Medium parameters used:  $f = 2437 \text{ MHz}$ ;  $\sigma = 1.98 \text{ mho/m}$ ;  $\epsilon_r = 52.2$ ;  $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

## **DASY4 Configuration:**

Probe: EX3DV4 - SN3643; ConvF(6.8, 6.8, 6.8); Calibrated: 2009-01-14; Electronics: DAE3 Sn519

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: 2009-04-30; Ambient Temp: 23.0; Tissue Temp: 22.7

## **Touch from Body(Top), W-LAN(802.11b)Ch.6, Ant Fixed, Battery Mode**

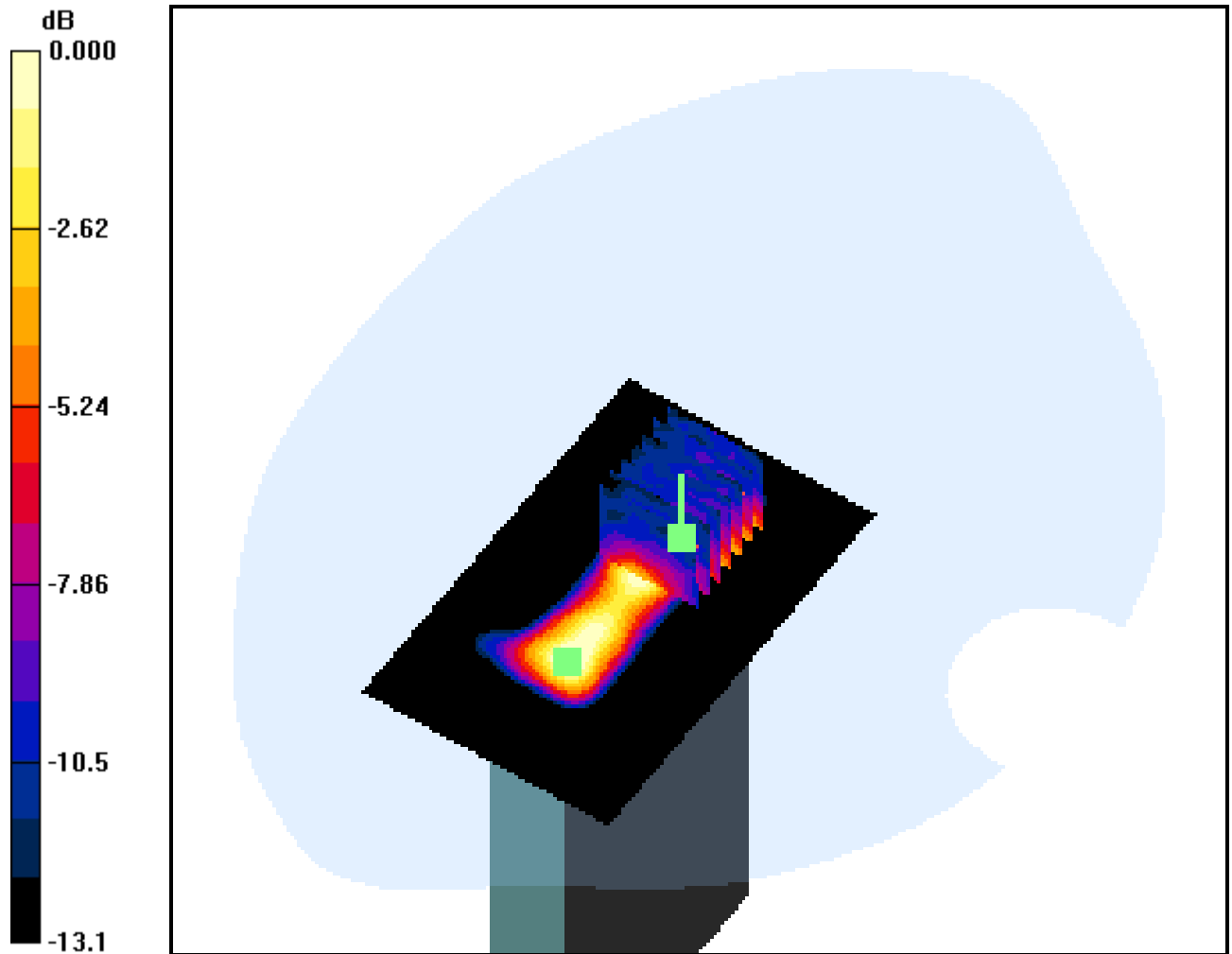
**Area Scan (51x81x1):** Measurement grid:  $dx=15\text{mm}$ ,  $dy=15\text{mm}$

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

Power Drift = -0.115 dB

Peak SAR (extrapolated) = 0.074 W/kg

**SAR(1 g) = 0.037 mW/g; SAR(10 g) = 0.018 mW/g**



# DIGITAL EMC CO., LTD

**DUT: S5 PREMIUM H; Type: UMPC**

Communication System: W-LAN; Frequency: 2437 MHz; Duty Cycle: 1:1

Medium parameters used:  $f = 2437 \text{ MHz}$ ;  $\sigma = 1.98 \text{ mho/m}$ ;  $\epsilon_r = 52.2$ ;  $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

## **DASY4 Configuration:**

Probe: EX3DV4 - SN3643; ConvF(6.8, 6.8, 6.8); Calibrated: 2009-01-14; Electronics: DAE3 Sn519

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: 2009-04-30; Ambient Temp: 23.0; Tissue Temp: 22.7

## **Touch from Body(Top), W-LAN(802.11b)Ch.6, Ant Fixed, Battery Mode**

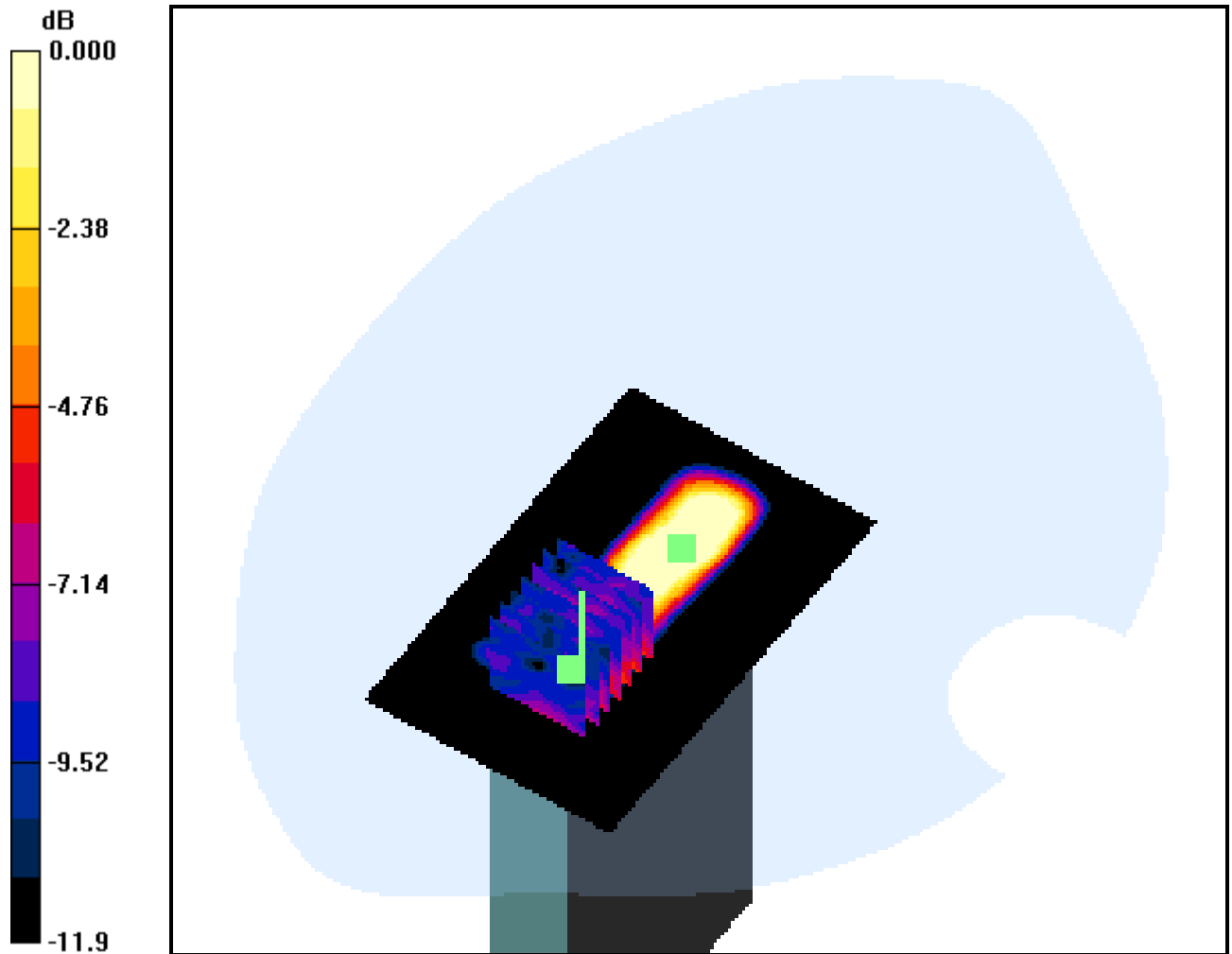
**Area Scan (51x81x1):** Measurement grid:  $dx=15\text{mm}$ ,  $dy=15\text{mm}$

**Zoom Scan (7x7x7)/Cube 1:** Measurement grid:  $dx=5\text{mm}$ ,  $dy=5\text{mm}$ ,  $dz=5\text{mm}$

Power Drift = -0.115 dB

Peak SAR (extrapolated) = 0.053 W/kg

**SAR(1 g) = 0.025 mW/g; SAR(10 g) = 0.013 mW/g**



0 dB = 0.033mW/g



# DIGITAL EMC CO., LTD

**DUT: S5 PREMIUM H; Type: UMPC**

Communication System: W-LAN; Frequency: 2412 MHz; Duty Cycle: 1:1

Medium parameters used:  $f = 2412 \text{ MHz}$ ;  $\sigma = 1.95 \text{ mho/m}$ ;  $\epsilon_r = 52.3$ ;  $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

## **DASY4 Configuration:**

Probe: EX3DV4 - SN3643; ConvF(6.8, 6.8, 6.8); Calibrated: 2009-01-14; Electronics: DAE3 Sn519

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: 2009-04-30; Ambient Temp: 23.0; Tissue Temp: 22.7

**Touch from Body(Side), W-LAN(802.11b)Ch.1+B/T, Ant Fixed, Battery Mode**

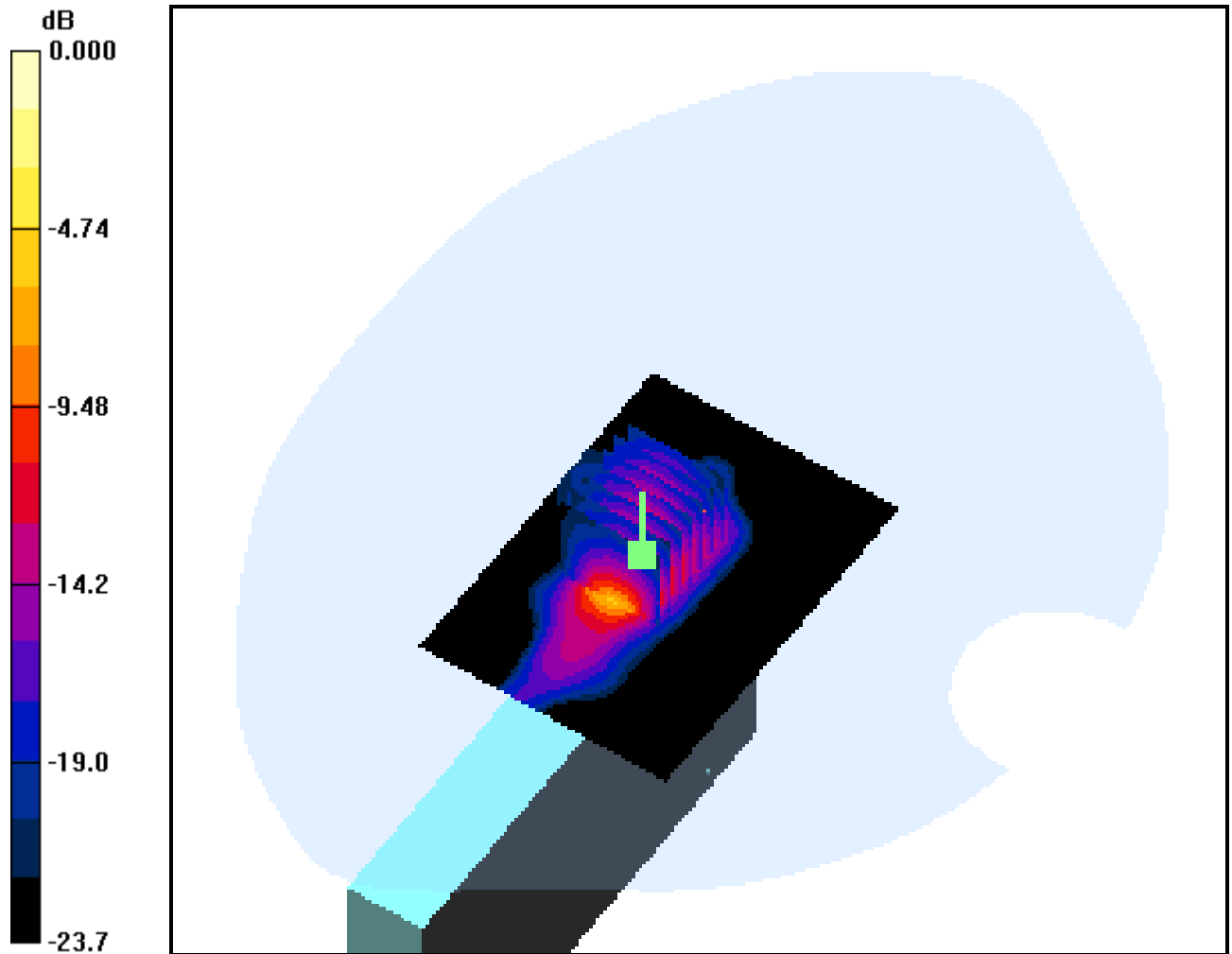
**Area Scan (51x71x1):** Measurement grid:  $dx=15\text{mm}$ ,  $dy=15\text{mm}$

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

Power Drift = 0.034 dB

Peak SAR (extrapolated) = 1.60 W/kg

**SAR(1 g) = 0.635 mW/g; SAR(10 g) = 0.224 mW/g**



0 dB = 1.02mW/g

# DIGITAL EMC CO., LTD

**DUT: S5 PREMIUM H; Type: UMPC**

Communication System: W-LAN; Frequency: 2437 MHz; Duty Cycle: 1:1

Medium parameters used:  $f = 2437 \text{ MHz}$ ;  $\sigma = 1.98 \text{ mho/m}$ ;  $\epsilon_r = 52.2$ ;  $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

## **DASY4 Configuration:**

Probe: EX3DV4 - SN3643; ConvF(6.8, 6.8, 6.8); Calibrated: 2009-01-14; Electronics: DAE3 Sn519

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: 2009-04-30; Ambient Temp: 23.0; Tissue Temp: 22.7

## **Touch from Body(Back), W-LAN(802.11g)Ch.6, Ant Fixed, Battery Mode**

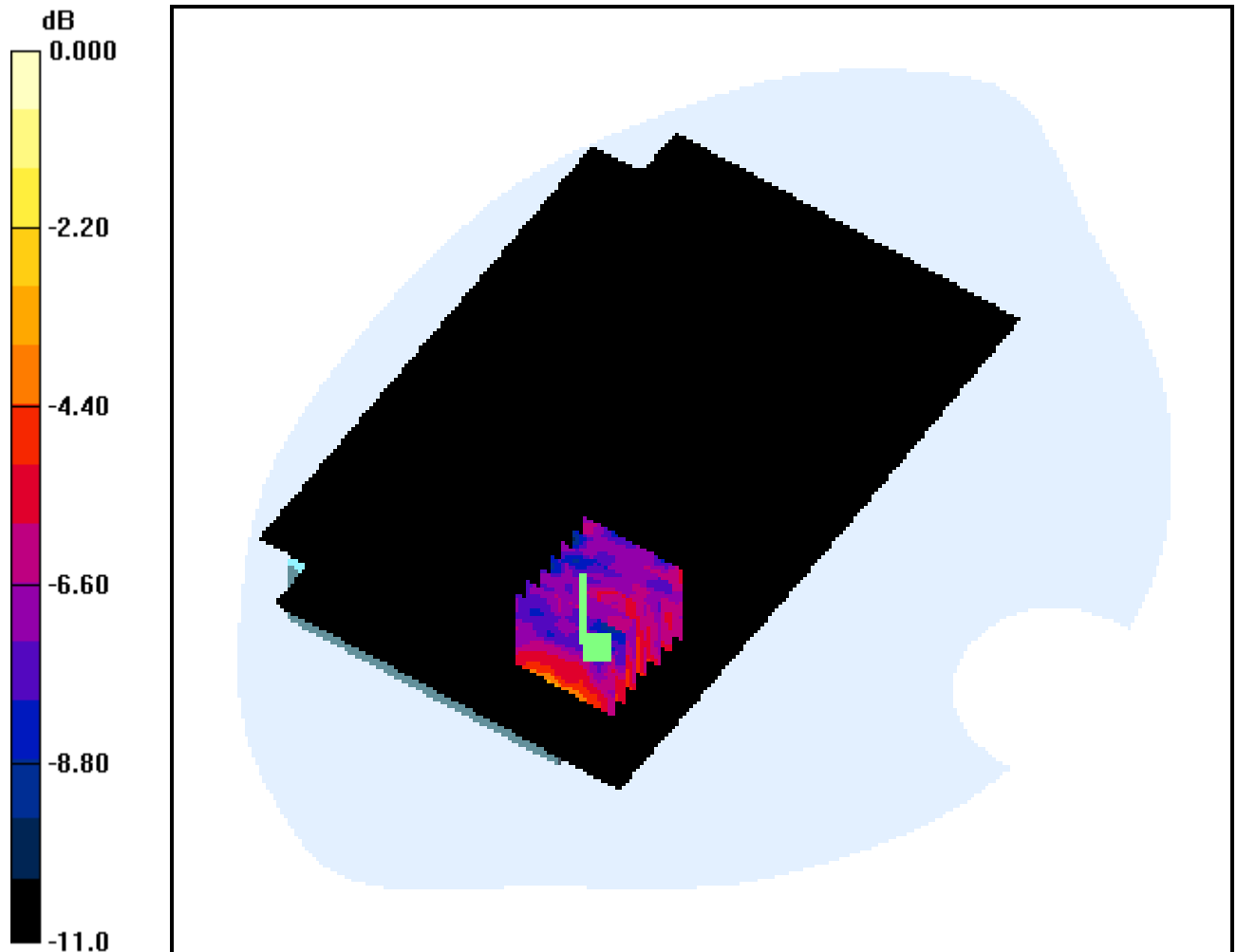
**Area Scan (81x121x1):** Measurement grid:  $dx=15\text{mm}$ ,  $dy=15\text{mm}$

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

Power Drift = -0.254 dB

Peak SAR (extrapolated) = 0.061 W/kg

**SAR(1 g) = 0.018 mW/g; SAR(10 g) = 0.00834 mW/g**



0 dB = 0.022mW/g

# DIGITAL EMC CO., LTD

**DUT: S5 PREMIUM H; Type: UMPC**

Communication System: W-LAN; Frequency: 2437 MHz; Duty Cycle: 1:1

Medium parameters used:  $f = 2437 \text{ MHz}$ ;  $\sigma = 1.98 \text{ mho/m}$ ;  $\epsilon_r = 52.2$ ;  $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

## **DASY4 Configuration:**

Probe: EX3DV4 - SN3643; ConvF(6.8, 6.8, 6.8); Calibrated: 2009-01-14; Electronics: DAE3 Sn519

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: 2009-04-30; Ambient Temp: 23.0; Tissue Temp: 22.7

## **Touch from Body(Front), W-LAN(802.11g)Ch.6, Ant Fixed, Battery Mode**

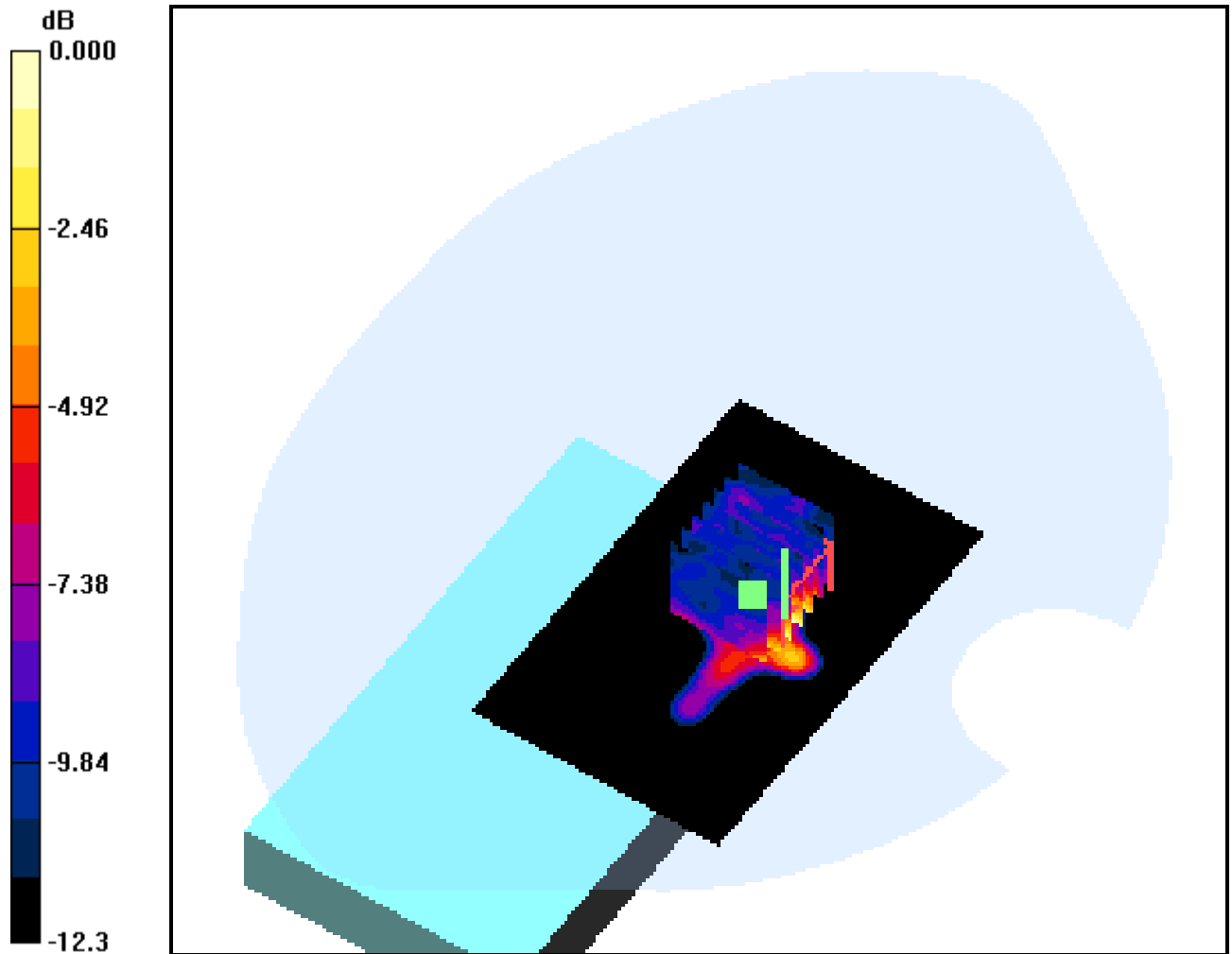
**Area Scan (51x81x1):** Measurement grid:  $dx=15\text{mm}$ ,  $dy=15\text{mm}$

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

Power Drift = -0.039 dB

Peak SAR (extrapolated) = 0.070 W/kg

**SAR(1 g) = 0.031 mW/g; SAR(10 g) = 0.016 mW/g**



0 dB = 0.046mW/g

# DIGITAL EMC CO., LTD

**DUT: S5 PREMIUM H; Type: UMPC**

Communication System: W-LAN; Frequency: 2412 MHz; Duty Cycle: 1:1

Medium parameters used:  $f = 2412 \text{ MHz}$ ;  $\sigma = 1.95 \text{ mho/m}$ ;  $\epsilon_r = 52.3$ ;  $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

## **DASY4 Configuration:**

Probe: EX3DV4 - SN3643; ConvF(6.8, 6.8, 6.8); Calibrated: 2009-01-14; Electronics: DAE3 Sn519

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: 2009-04-30; Ambient Temp: 23.0; Tissue Temp: 22.7

**Touch from Body(Side), W-LAN(802.11g)Ch.1, Ant Fixed, Battery Mode**

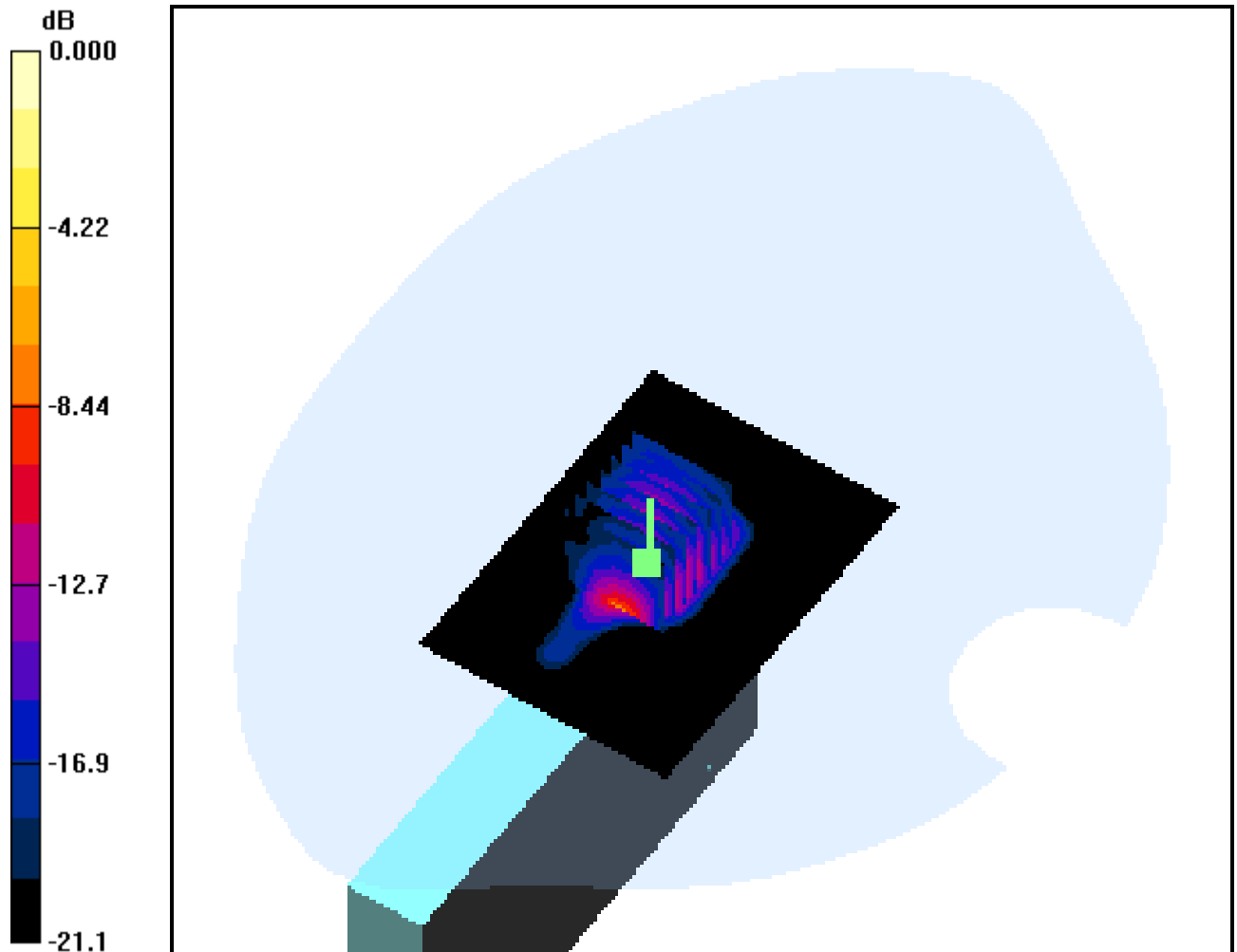
**Area Scan (51x71x1):** Measurement grid:  $dx=15\text{mm}$ ,  $dy=15\text{mm}$

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

Power Drift = -0.140 dB

Peak SAR (extrapolated) = 0.704 W/kg

**SAR(1 g) = 0.279 mW/g; SAR(10 g) = 0.098 mW/g**



0 dB = 0.452mW/g

# DIGITAL EMC CO., LTD

**DUT: S5 PREMIUM H; Type: UMPC**

Communication System: W-LAN; Frequency: 2437 MHz; Duty Cycle: 1:1

Medium parameters used:  $f = 2437 \text{ MHz}$ ;  $\sigma = 1.98 \text{ mho/m}$ ;  $\epsilon_r = 52.2$ ;  $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

## **DASY4 Configuration:**

Probe: EX3DV4 - SN3643; ConvF(6.8, 6.8, 6.8); Calibrated: 2009-01-14; Electronics: DAE3 Sn519

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: 2009-04-30; Ambient Temp: 23.0; Tissue Temp: 22.7

**Touch from Body(Side), W-LAN(802.11g)Ch.6, Ant Fixed, Battery Mode**

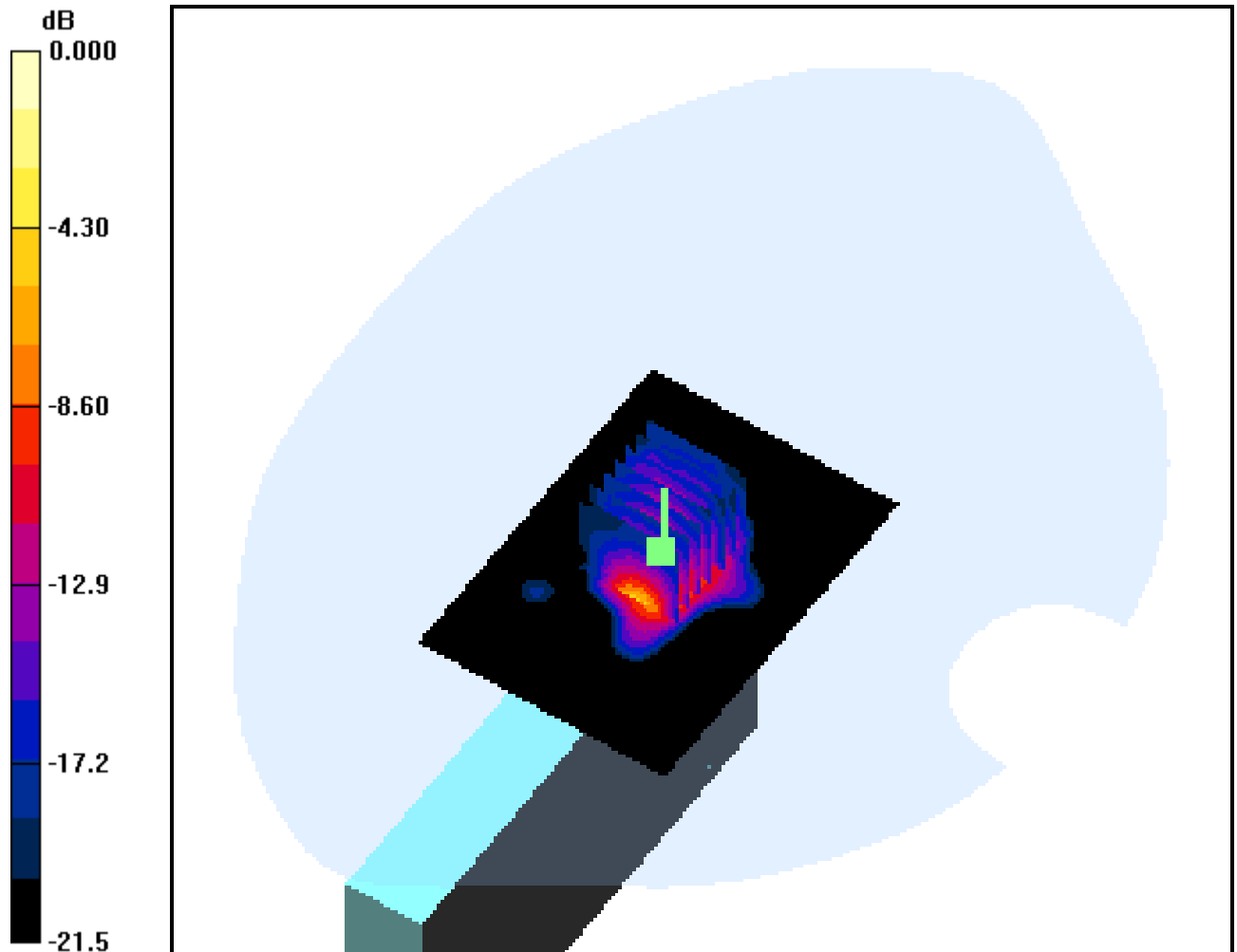
**Area Scan (51x71x1):** Measurement grid:  $dx=15\text{mm}$ ,  $dy=15\text{mm}$

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

Power Drift = 0.331 dB

Peak SAR (extrapolated) = 0.661 W/kg

**SAR(1 g) = 0.263 mW/g; SAR(10 g) = 0.092 mW/g**



0 dB = 0.410mW/g

# DIGITAL EMC CO., LTD

**DUT: S5 PREMIUM H; Type: UMPC**

Communication System: W-LAN; Frequency: 2462 MHz; Duty Cycle: 1:1

Medium parameters used:  $f = 2462 \text{ MHz}$ ;  $\sigma = 2.01 \text{ mho/m}$ ;  $\epsilon_r = 52.1$ ;  $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

## **DASY4 Configuration:**

Probe: EX3DV4 - SN3643; ConvF(6.8, 6.8, 6.8); Calibrated: 2009-01-14; Electronics: DAE3 Sn519

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: 2009-04-30; Ambient Temp: 23.0; Tissue Temp: 22.7

**Touch from Body(Side), W-LAN(802.11g)Ch.11, Ant Fixed, Battery Mode**

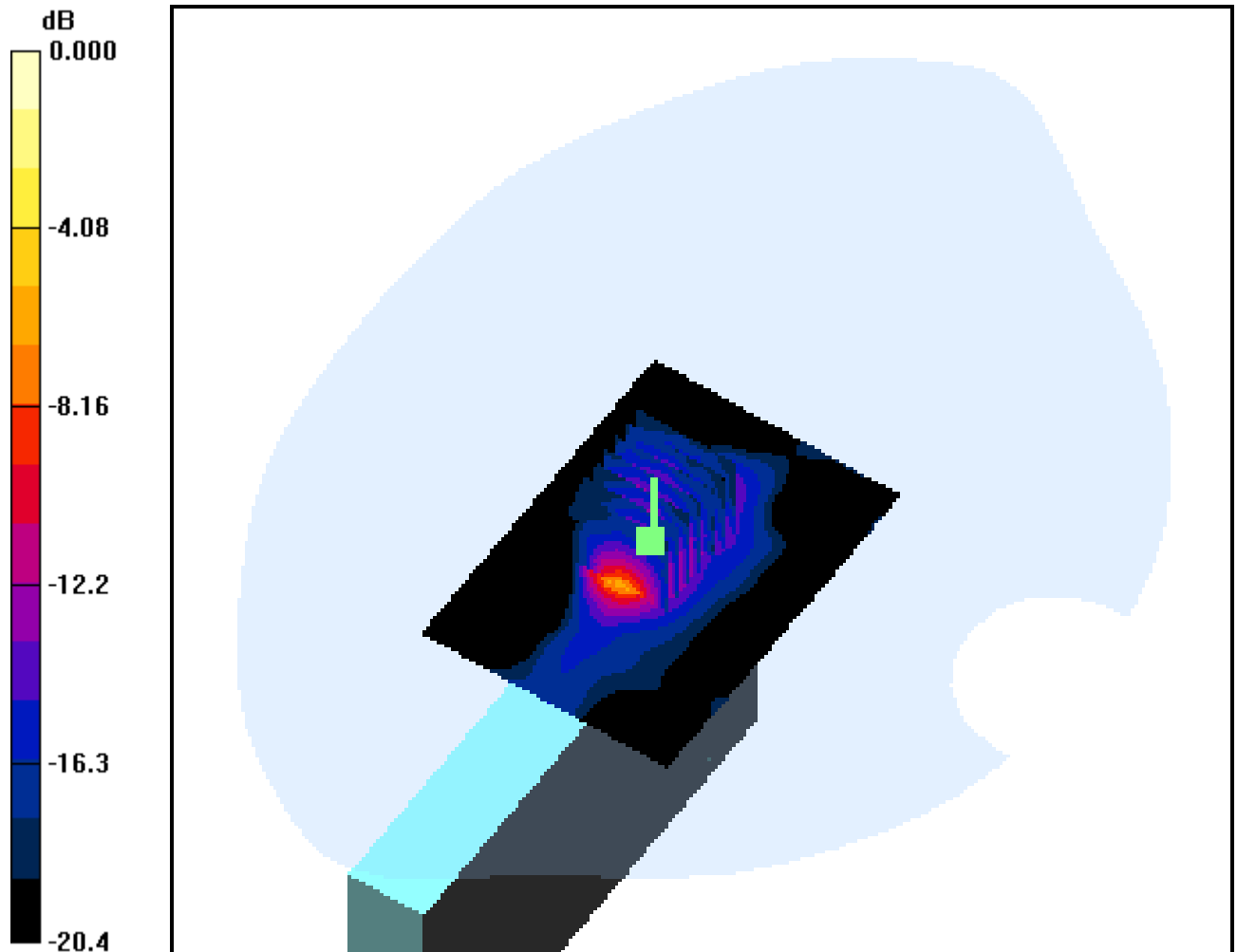
**Area Scan (51x71x1):** Measurement grid:  $dx=15\text{mm}$ ,  $dy=15\text{mm}$

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

Power Drift = -0.020 dB

Peak SAR (extrapolated) = 0.612 W/kg

**SAR(1 g) = 0.240 mW/g; SAR(10 g) = 0.083 mW/g**



0 dB = 0.392mW/g

# DIGITAL EMC CO., LTD

**DUT: S5 PREMIUM H; Type: UMPC**

Communication System: W-LAN; Frequency: 2437 MHz; Duty Cycle: 1:1

Medium parameters used:  $f = 2437 \text{ MHz}$ ;  $\sigma = 1.98 \text{ mho/m}$ ;  $\epsilon_r = 52.2$ ;  $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

## **DASY4 Configuration:**

Probe: EX3DV4 - SN3643; ConvF(6.8, 6.8, 6.8); Calibrated: 2009-01-14; Electronics: DAE3 Sn519

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: 2009-04-30; Ambient Temp: 23.0; Tissue Temp: 22.7

## **Touch from Body(Top), W-LAN(802.11g)Ch.6, Ant Fixed, Battery Mode**

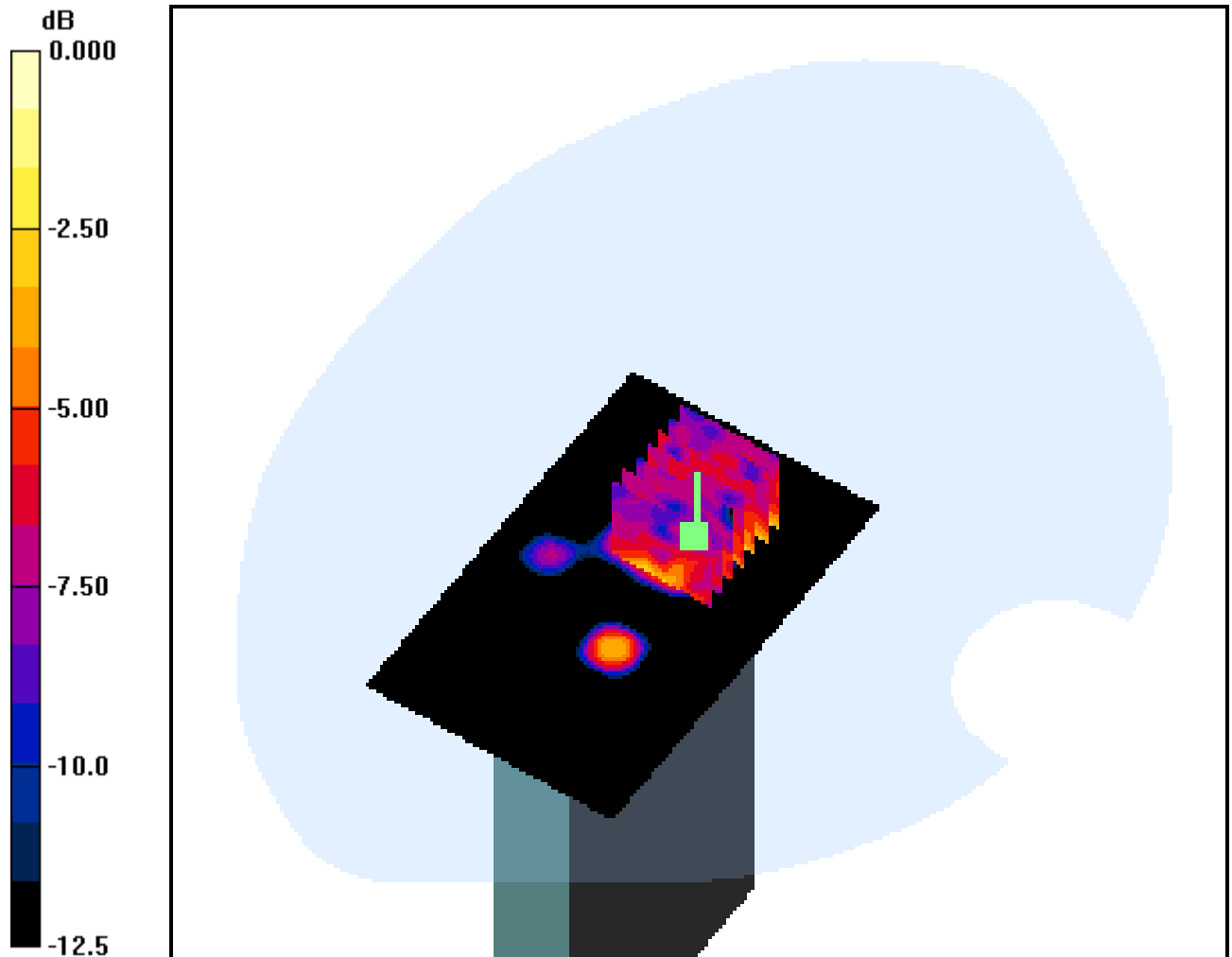
**Area Scan (51x81x1):** Measurement grid:  $dx=15\text{mm}$ ,  $dy=15\text{mm}$

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

Power Drift = -0.292 dB

Peak SAR (extrapolated) = 0.030 W/kg

**SAR(1 g) = 0.017 mW/g; SAR(10 g) = 0.009 mW/g**



0 dB = 0.021mW/g

# **DIGITAL EMC CO., LTD**

**DUT: S5 PREMIUM H; Type: UMPC**

Communication System: W-LAN; Frequency: 2412 MHz; Duty Cycle: 1:1

Medium parameters used:  $f = 2412 \text{ MHz}$ ;  $\sigma = 1.95 \text{ mho/m}$ ;  $\epsilon_r = 52.3$ ;  $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

## **DASY4 Configuration:**

Probe: EX3DV4 - SN3643; ConvF(6.8, 6.8, 6.8); Calibrated: 2009-01-14; Electronics: DAE3 Sn519

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: 2009-04-30; Ambient Temp: 23.0; Tissue Temp: 22.7

**Touch from Body(Side), W-LAN(802.11b)Ch.1, Ant Fixed, Battery Mode**

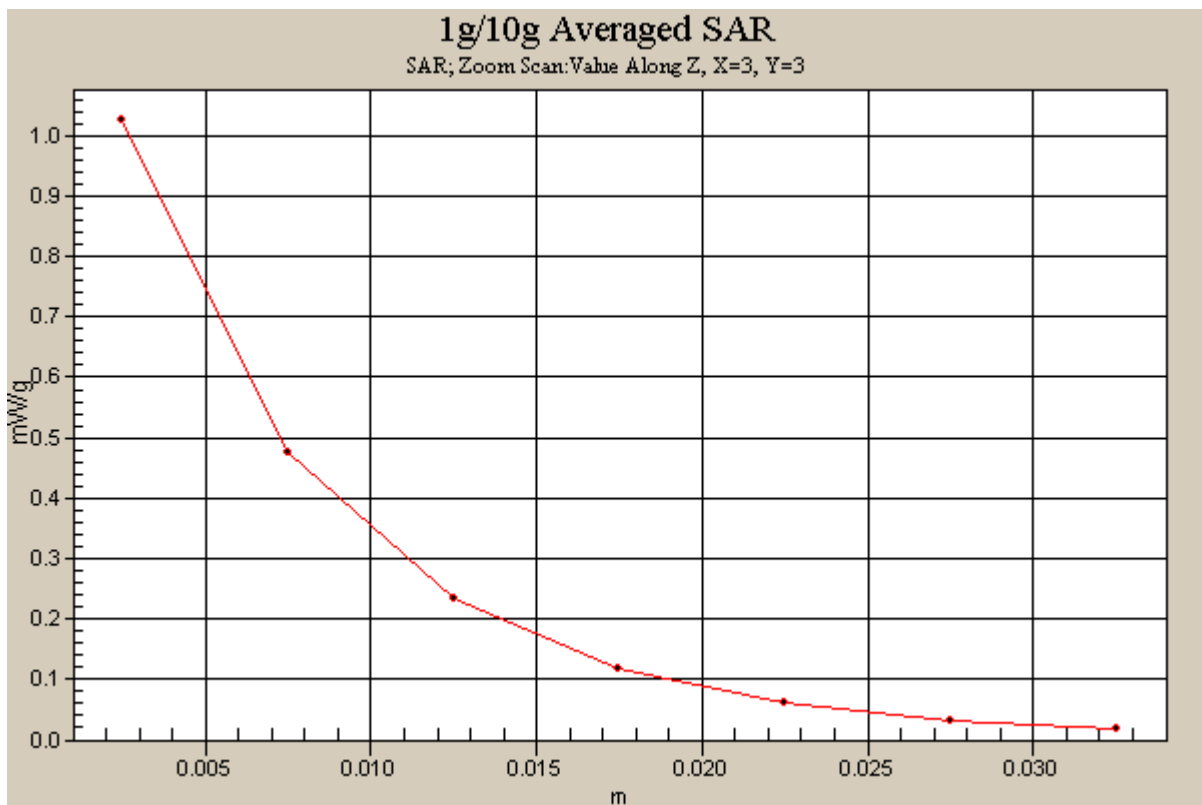
**Area Scan (51x71x1):** Measurement grid:  $dx=15\text{mm}$ ,  $dy=15\text{mm}$

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

Power Drift = 0.225 dB

Peak SAR (extrapolated) = 1.73 W/kg

**SAR(1 g) = 0.681 mW/g; SAR(10 g) = 0.238 mW/g**





# DIGITAL EMC CO., LTD

**DUT: S5 PREMIUM H; Type: UMPC**

Communication System: W-LAN; Frequency: 2412 MHz; Duty Cycle: 1:1

Medium parameters used:  $f = 2412 \text{ MHz}$ ;  $\sigma = 1.95 \text{ mho/m}$ ;  $\epsilon_r = 52.3$ ;  $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

## **DASY4 Configuration:**

Probe: EX3DV4 - SN3643; ConvF(6.8, 6.8, 6.8); Calibrated: 2009-01-14; Electronics: DAE3 Sn519

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: 2009-04-30; Ambient Temp: 23.0; Tissue Temp: 22.7

**Touch from Body(Side), W-LAN(802.11g)Ch.1, Ant Fixed, Battery Mode**

**Area Scan (51x71x1):** 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 = -0.140 dB

Peak SAR (extrapolated) = 0.704 W/kg

**SAR(1 g) = 0.279 mW/g; SAR(10 g) = 0.098 mW/g**

