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 MHz; σ = 0.926 mho/m; ε_r = 40.5; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY4 Configuration:
Probe: EX3DV4 - SN3643; ConvF(8.59, 8.59, 8.59); Calibrated: 2009-01-14; Electronics: DAE3 Sn519
Phantom: SAM with 835MHz; Type: SAM; Serial: TP-1223
Measurement SW: DASY4, V4.7 Build 55; Postprocessing SW: SEMCAD, V1.8 Build 176

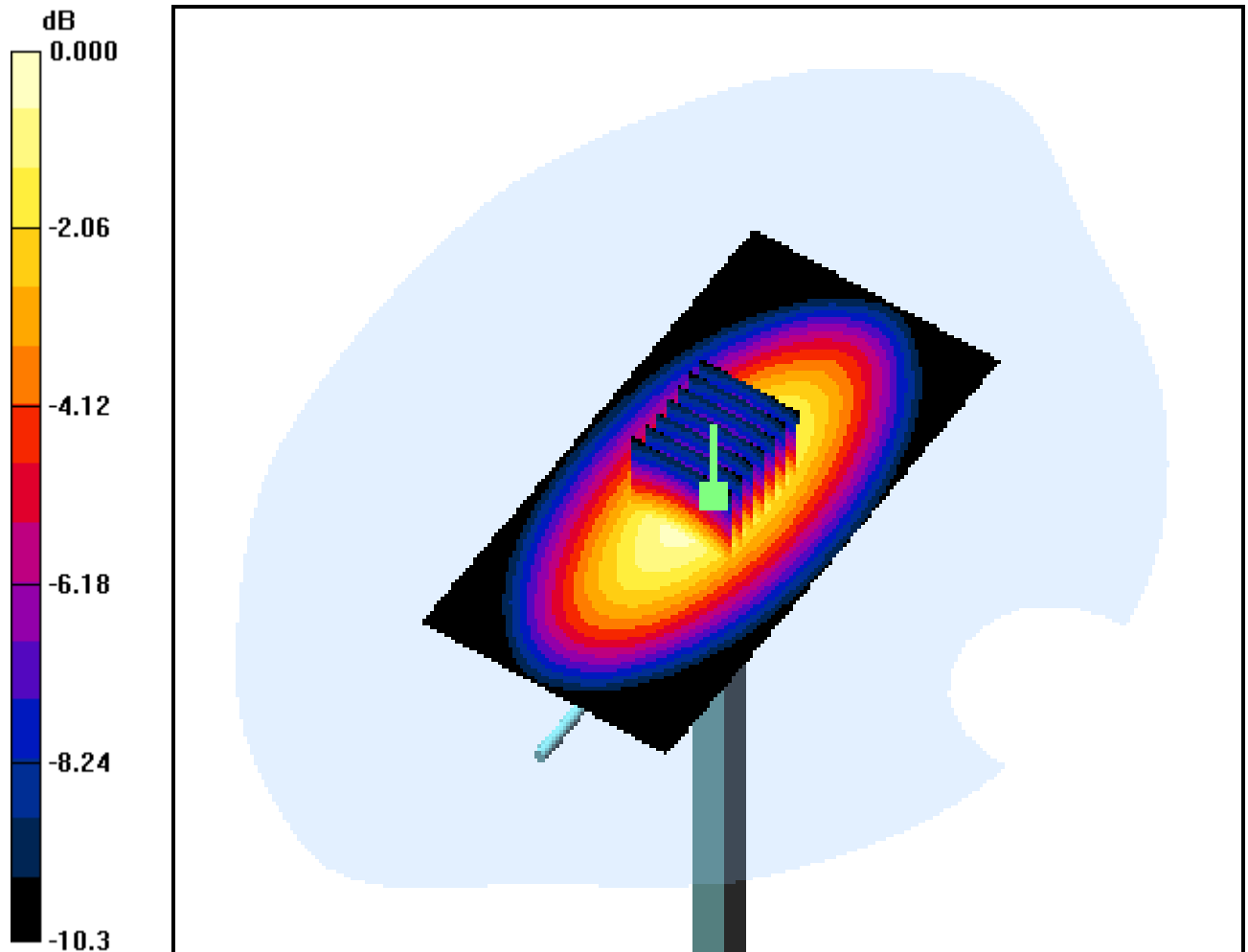Test Date: 2009-08-07; Ambient Temp: 20.5; Tissue Temp: 20.3

Dipole Validation

Area Scan (51x101x1): Measurement grid: dx=15mm, dy=15mm
Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Power Drift = -0.001 dB
Peak SAR (extrapolated) = 3.64 W/kg
SAR(1 g) = 2.4 mW/g; SAR(10 g) = 1.57 mW/g

0 dB = 2.59mW/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 MHz; σ = 1.46 mho/m; ε_r = 39.1; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY4 Configuration:
Probe: EX3DV4 - SN3643; ConvF(7.56, 7.56, 7.56); 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

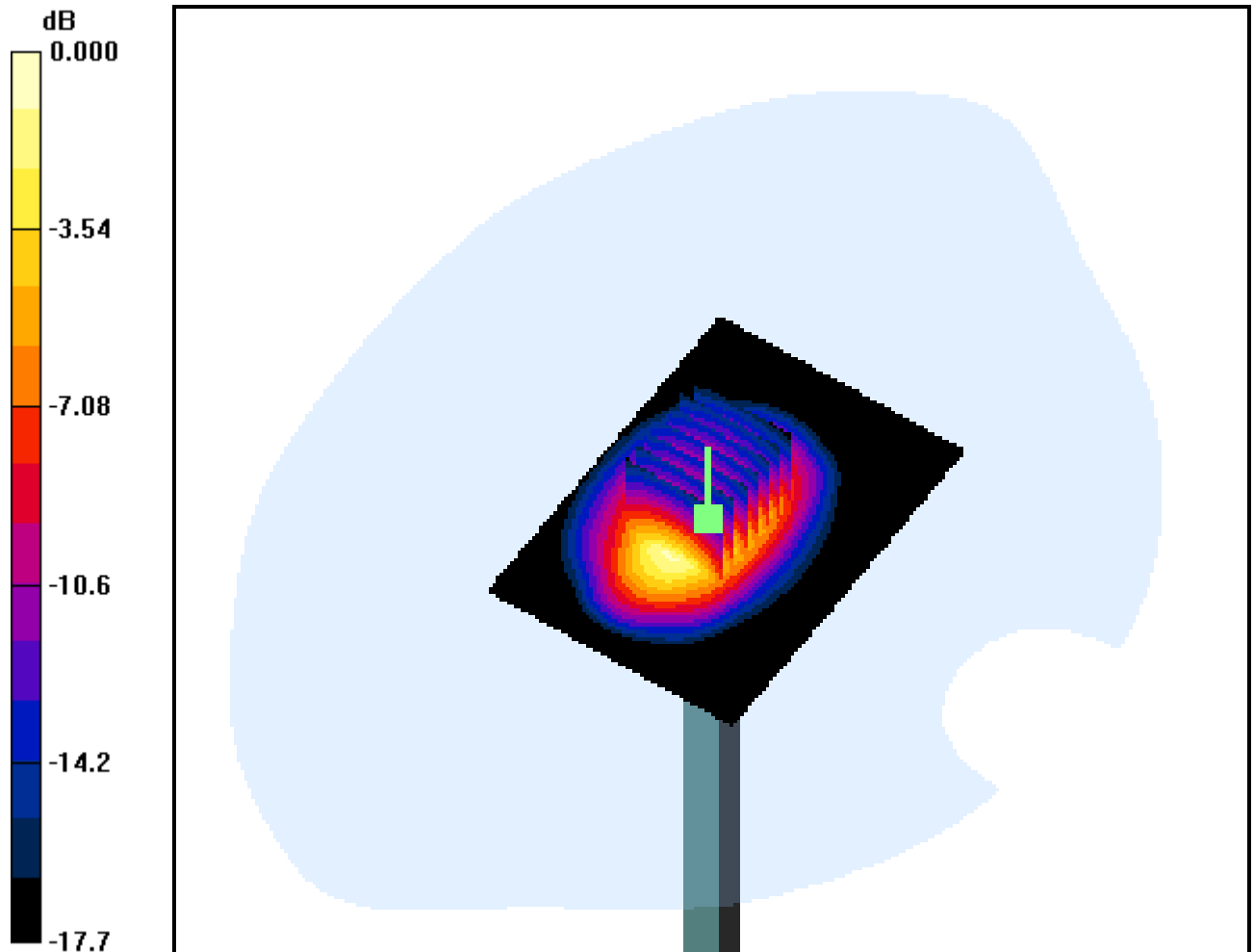Test Date: 2009-08-06; Ambient Temp: 21.2; Tissue Temp: 21.0

Dipole Validation

Area Scan (51x71x1): Measurement grid: dx=15mm, dy=15mm
Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Power Drift = 0.033 dB
Peak SAR (extrapolated) = 19.1 W/kg
SAR(1 g) = 10.2 mW/g; SAR(10 g) = 5.28 mW/g

0 dB = 13.7mW/g

DIGITAL EMC CO., LTD

DUT: S7; Type: Laptop

Communication System: UMTS850; Frequency: 826.4 MHz; Duty Cycle: 1:1
Medium parameters used: f = 826.4 MHz; σ = 0.981 mho/m; ε_r = 53.4; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY4 Configuration:
Probe: EX3DV4 - SN3643; ConvF(8.63, 8.63, 8.63); Calibrated: 2009-01-14; Electronics: DAE3 Sn519
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: 2009-08-07; Ambient Temp: 20.5; Tissue Temp: 20.3

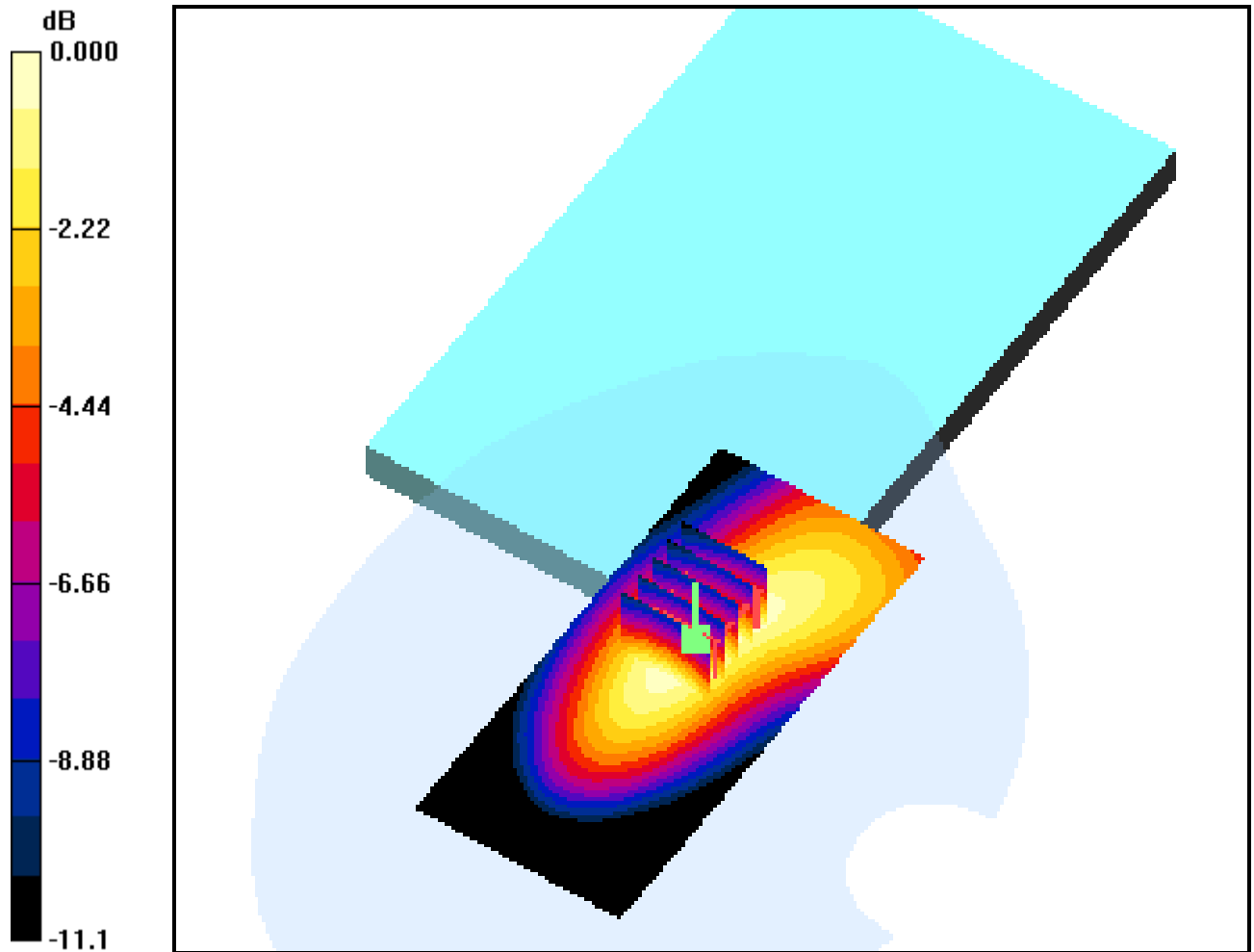**Touch from Body, Normal Position, WCDMA(FDD V) Ch.4132, Ant External**

Area Scan (51x111x1): Measurement grid: dx=15mm, dy=15mm
Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Power Drift = 0.056 dB
Peak SAR (extrapolated) = 0.592 W/kg
SAR(1 g) = 0.405 mW/g; SAR(10 g) = 0.273 mW/g

0 dB = 0.485mW/g

DIGITAL EMC CO., LTD

DUT: S7; Type: Laptop

Communication System: UMTS850; Frequency: 836.4 MHz;Duty Cycle: 1:1
Medium parameters used: f = 836.4 MHz; σ = 0.991 mho/m; ε_r = 53.3; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY4 Configuration:
Probe: EX3DV4 - SN3643; ConvF(8.63, 8.63, 8.63); Calibrated: 2009-01-14; Electronics: DAE3 Sn519
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: 2009-08-07; Ambient Temp: 20.5; Tissue Temp: 20.3

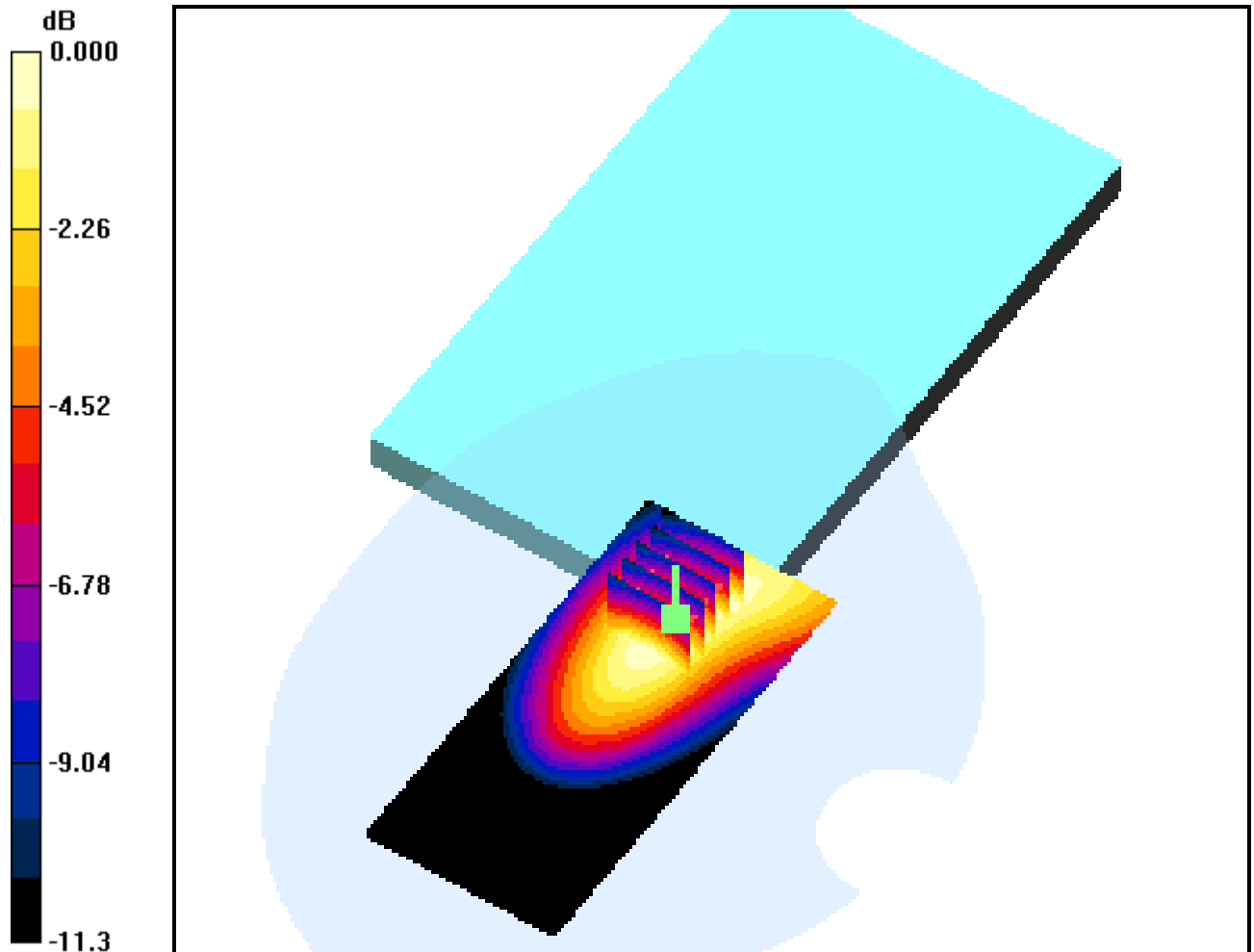**Touch from Body, Normal Position, WCDMA(FDD V) Ch.4182, Ant External**

Area Scan (51x111x1): 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) = 0.622 W/kg
SAR(1 g) = 0.429 mW/g; SAR(10 g) = 0.289 mW/g

dB

0.000

-2.26

-4.52

-6.78

-9.04

-11.3

0 dB = 0.514mW/g

DIGITAL EMC CO., LTD

DUT: S7; Type: Laptop

Communication System: UMTS850; Frequency: 846.6 MHz;Duty Cycle: 1:1

Medium parameters used: f = 846.6 MHz; σ = 1 mho/m; $ε_r$ = 53.1; ρ = 1000 kg/m^3

Phantom section: Flat Section

DASY4 Configuration:

Probe: EX3DV4 - SN3643; ConvF(8.63, 8.63, 8.63); Calibrated: 2009-01-14; Electronics: DAE3 Sn519

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: 2009-08-07; Ambient Temp: 20.5; Tissue Temp: 20.3

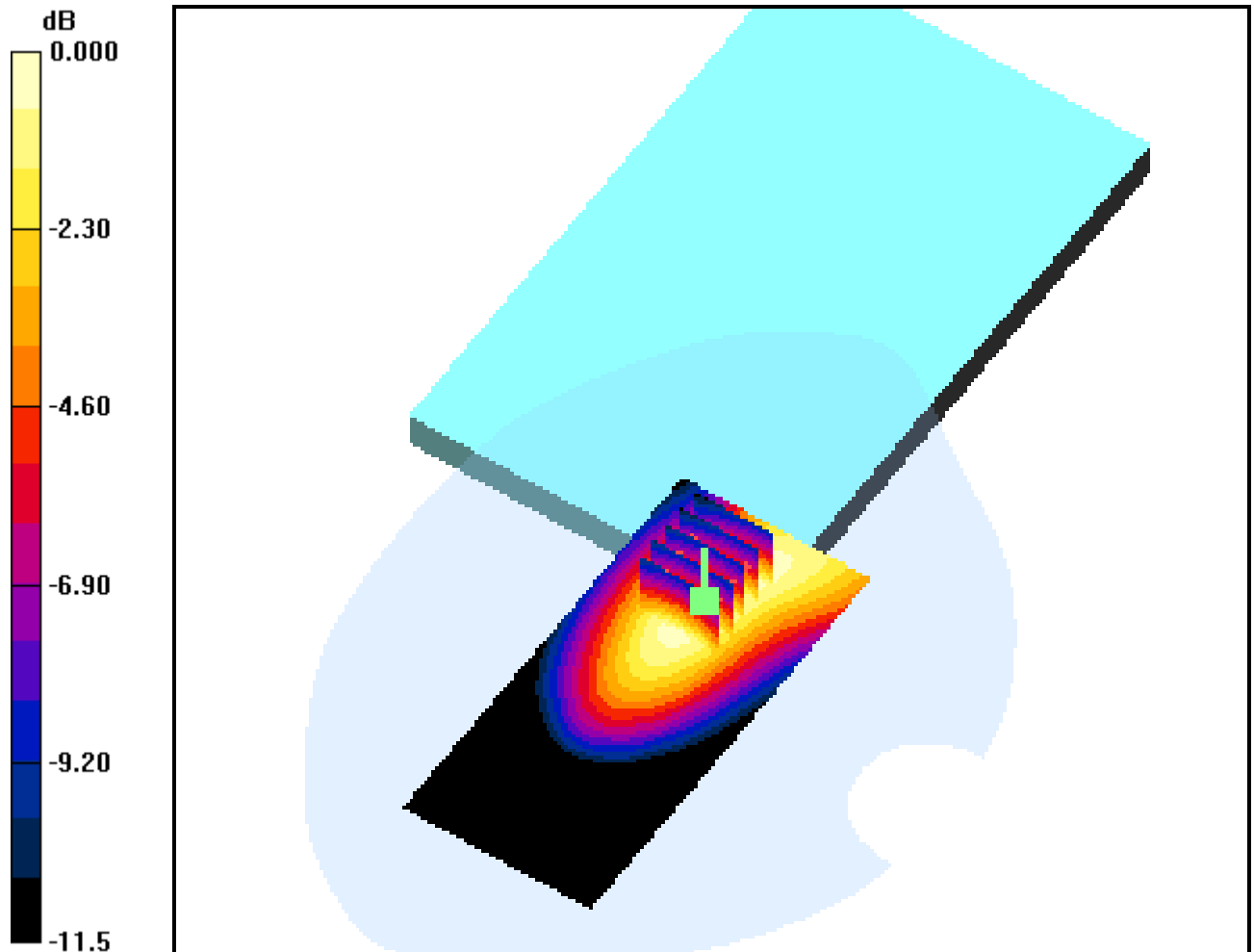### Touch from Body, Normal Position, WCDMA(FDD V) Ch.4233, Ant External

Area Scan (51x111x1): Measurement grid: dx=15mm, dy=15mm

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

Power Drift = -0.017 dB

Peak SAR (extrapolated) = 0.538 W/kg

SAR(1 g) = 0.369 mW/g; SAR(10 g) = 0.247 mW/g

0 dB = 0.445mW/g

DIGITAL EMC CO., LTD

DUT: S7; Type: Laptop

Communication System: UMTS850; Frequency: 836.4 MHz;Duty Cycle: 1:1
Medium parameters used: f = 836.4 MHz; σ = 0.991 mho/m; ε_r = 53.3; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY4 Configuration:
Probe: EX3DV4 - SN3643; ConvF(8.63, 8.63, 8.63); Calibrated: 2009-01-14; Electronics: DAE3 Sn519
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: 2009-08-07; Ambient Temp: 20.5; Tissue Temp: 20.3

Touch from Body, Normal Position, WCDMA(FDD V) Ch.4182
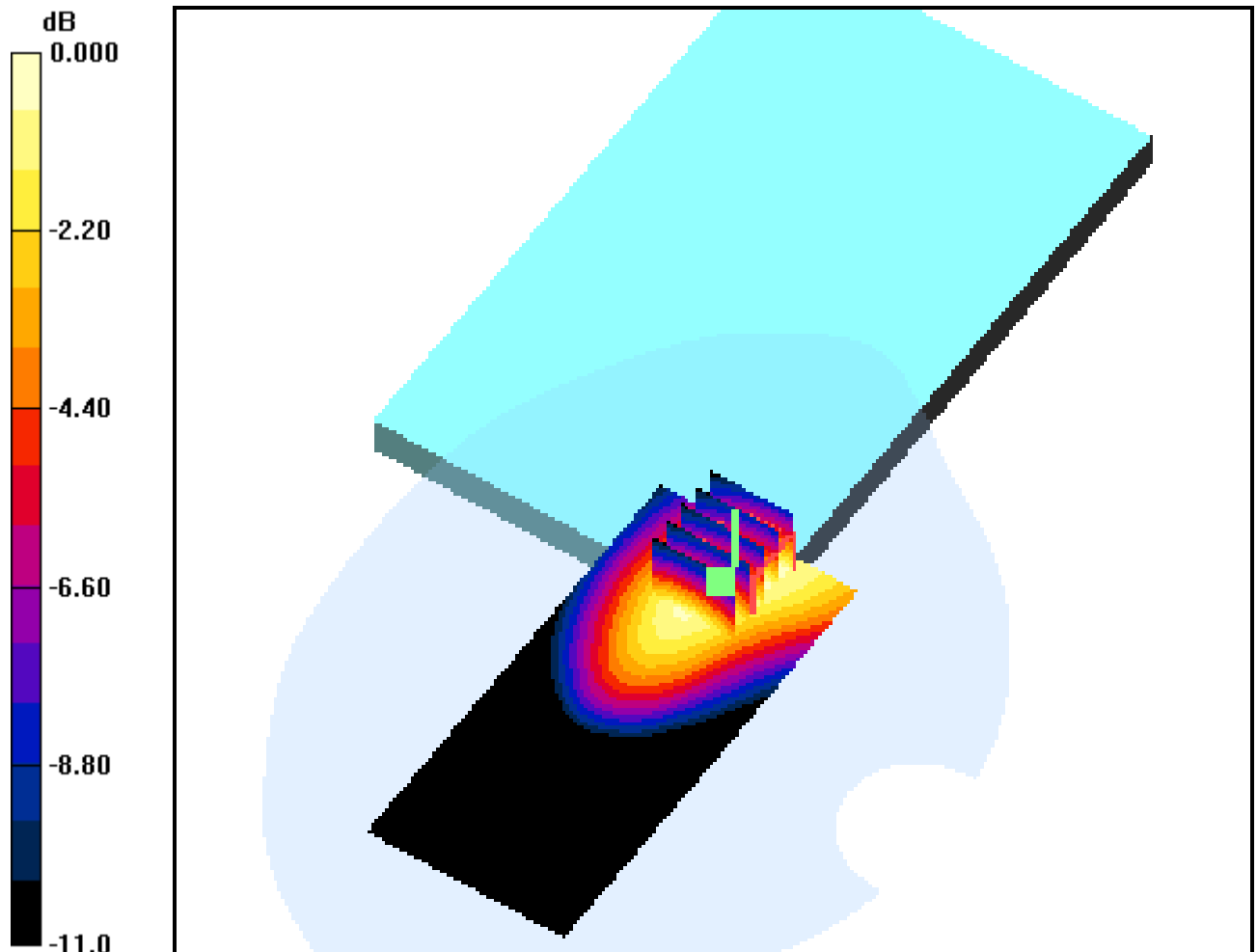
Insert one step in External Ant

Area Scan (51x111x1): Measurement grid: dx=15mm, dy=15mm
Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Power Drift = 0.072 dB
Peak SAR (extrapolated) = 0.934 W/kg
SAR(1 g) = 0.621 mW/g; SAR(10 g) = 0.418 mW/g

0 dB = 0.756mW/g

DIGITAL EMC CO., LTD

DUT: S7; Type: Laptop

Communication System: UMTS850; Frequency: 836.4 MHz;Duty Cycle: 1:1
Medium parameters used: f = 836.4 MHz; σ = 0.991 mho/m; ε_r = 53.3; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY4 Configuration:
Probe: EX3DV4 - SN3643; ConvF(8.63, 8.63, 8.63); Calibrated: 2009-01-14; Electronics: DAE3 Sn519
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: 2009-08-07; Ambient Temp: 20.5; Tissue Temp: 20.3

Touch from Body, Normal Position, WCDMA(FDD V) Ch.4182
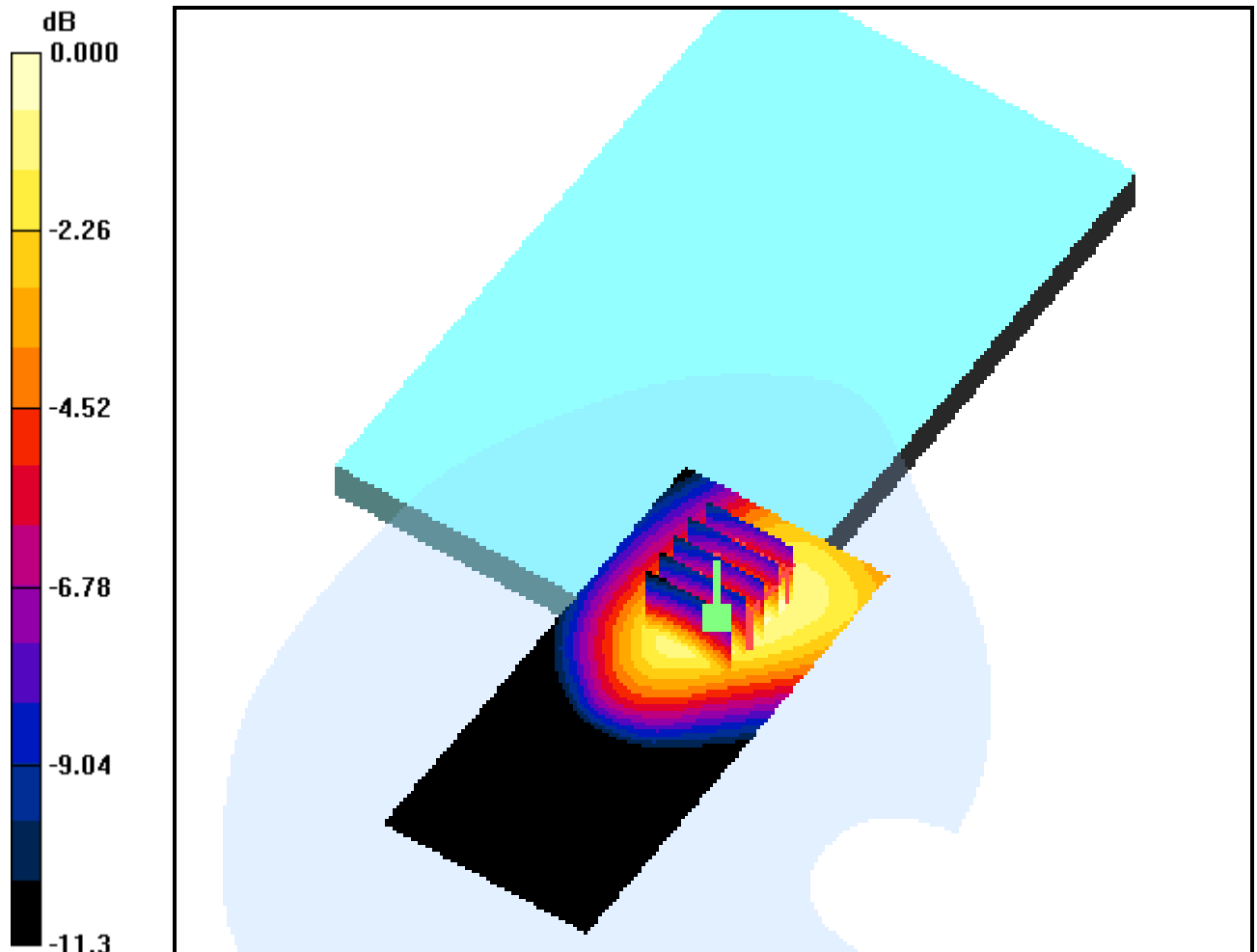
Insert two step in External Ant

Area Scan (51x111x1): Measurement grid: dx=15mm, dy=15mm
Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Power Drift = 0.027 dB
Peak SAR (extrapolated) = 0.507 W/kg
SAR(1 g) = 0.345 mW/g; SAR(10 g) = 0.239 mW/g

0 dB = 0.419mW/g

DIGITAL EMC CO., LTD

DUT: S7; Type: Laptop

Communication System: UMTS850; Frequency: 836.4 MHz;Duty Cycle: 1:1
Medium parameters used: f = 836.4 MHz; σ = 0.991 mho/m; ε_r = 53.3; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY4 Configuration:
Probe: EX3DV4 - SN3643; ConvF(8.63, 8.63, 8.63); Calibrated: 2009-01-14; Electronics: DAE3 Sn519
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: 2009-08-07; Ambient Temp: 20.5; Tissue Temp: 20.3

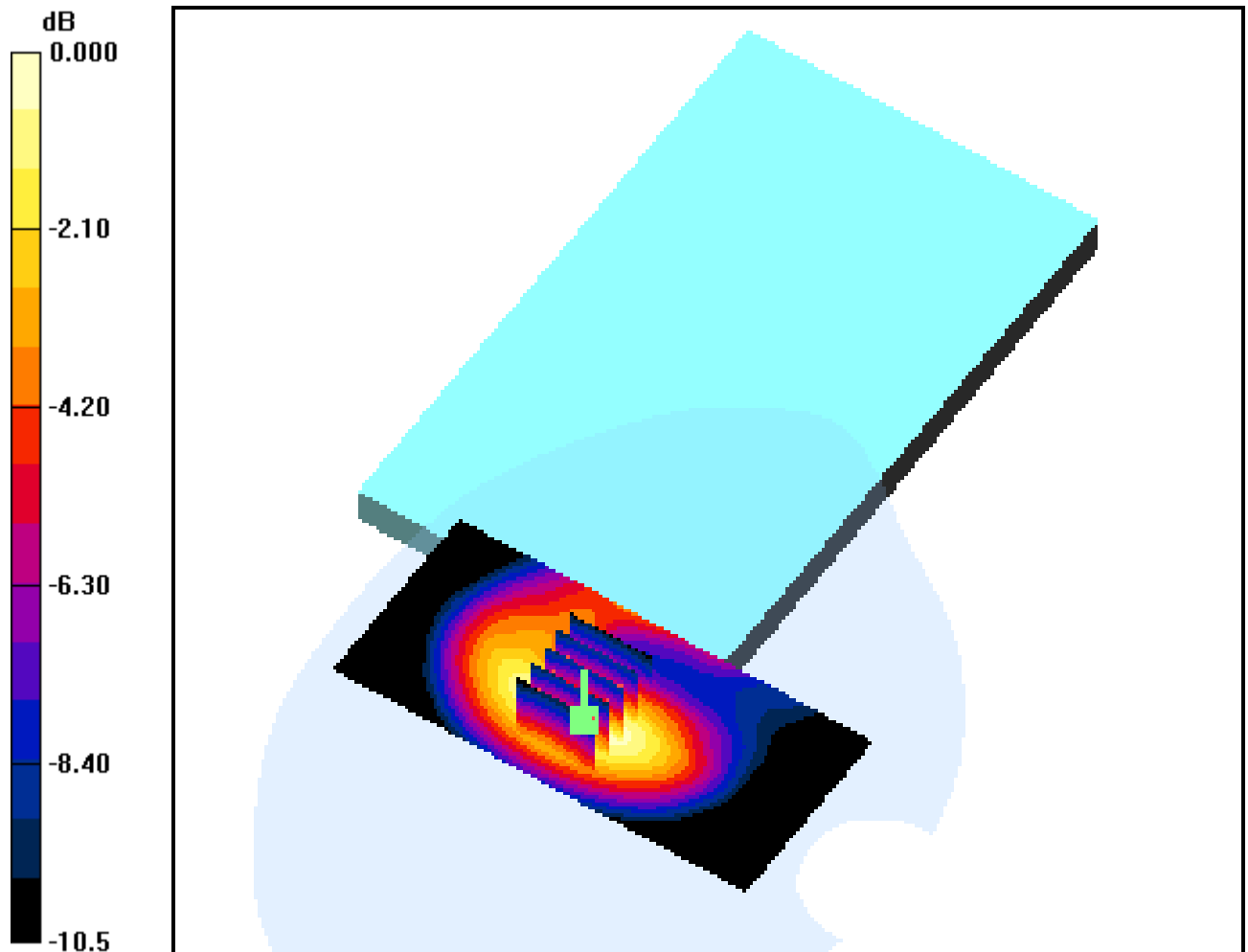**Touch from Body, Normal Position, WCDMA(FDD V) Ch.4182**

Side External Ant

Area Scan (111x51x1): Measurement grid: dx=15mm, dy=15mm
Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Power Drift = 0.012 dB
Peak SAR (extrapolated) = 0.550 W/kg
SAR(1 g) = 0.356 mW/g; SAR(10 g) = 0.233 mW/g

0 dB = 0.430mW/g

DIGITAL EMC CO., LTD

DUT: S7; Type: Laptop

Communication System: UMTS850; Frequency: 836.4 MHz;Duty Cycle: 1:1
Medium parameters used: f = 836.4 MHz; σ = 0.991 mho/m; ε_r = 53.3; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY4 Configuration:
Probe: EX3DV4 - SN3643; ConvF(8.63, 8.63, 8.63); Calibrated: 2009-01-14; Electronics: DAE3 Sn519
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: 2009-08-07; Ambient Temp: 20.5; Tissue Temp: 20.3

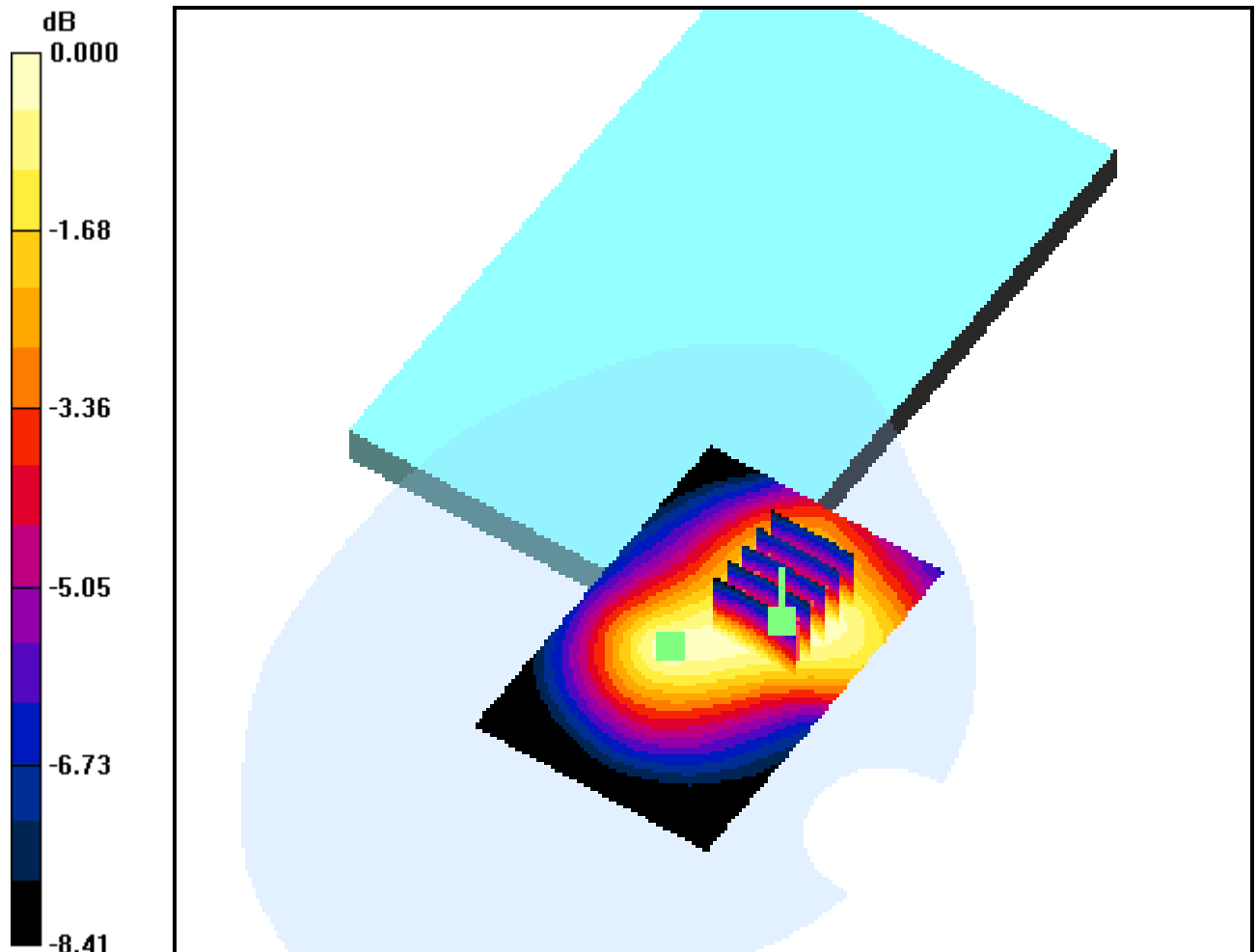**Touch from Body, Normal Position, WCDMA(FDD V) Ch.4182**

Bottom External Ant

Area Scan (61x91x1): Measurement grid: dx=15mm, dy=15mm
Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Power Drift = -0.089 dB
Peak SAR (extrapolated) = 0.200 W/kg
SAR(1 g) = 0.151 mW/g; SAR(10 g) = 0.111 mW/g

0 dB = 0.172mW/g

DIGITAL EMC CO., LTD

DUT: S7; Type: Laptop

Communication System: UMTS850; Frequency: 836.4 MHz;Duty Cycle: 1:1
Medium parameters used: f = 836.4 MHz; σ = 0.991 mho/m; $ε_r$ = 53.3; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY4 Configuration:
Probe: EX3DV4 - SN3643; ConvF(8.63, 8.63, 8.63); Calibrated: 2009-01-14; Electronics: DAE3 Sn519
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: 2009-08-07; Ambient Temp: 20.5; Tissue Temp: 20.3

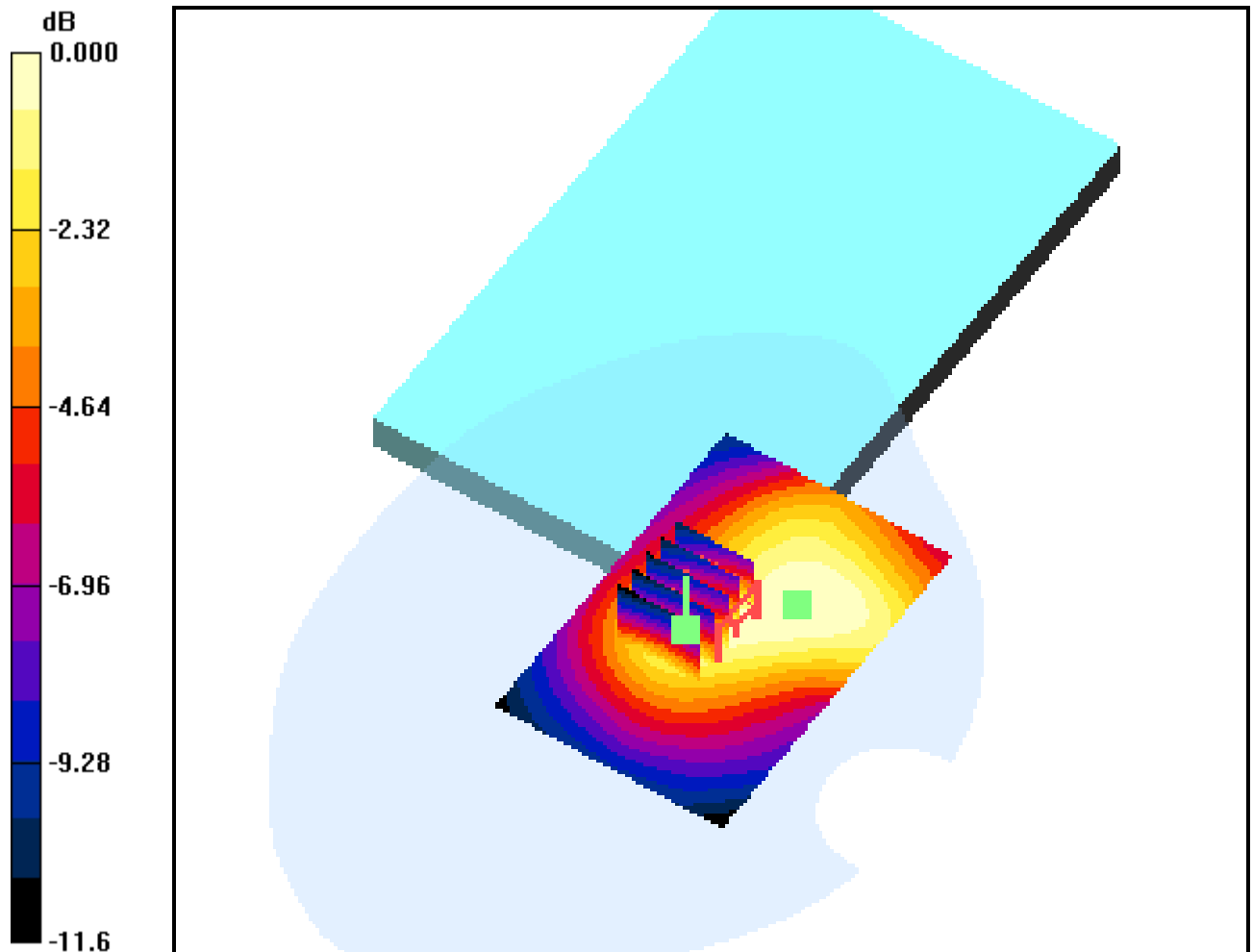**Touch from Body, Normal Position, WCDMA(FDD V) Ch.4182**

Bottom External Ant

Area Scan (61x91x1): Measurement grid: dx=15mm, dy=15mm
Zoom Scan (5x5x7)/Cube 1: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Power Drift = -0.089 dB
Peak SAR (extrapolated) = 0.214 W/kg
SAR(1 g) = 0.140 mW/g; SAR(10 g) = 0.095 mW/g

0 dB = 0.170mW/g

DIGITAL EMC CO., LTD

DUT: S7; Type: Laptop

Communication System: UMTS1900; Frequency: 1852.4 MHz;Duty Cycle: 1:1
Medium parameters used: f = 1852.4 MHz; σ = 1.53 mho/m; $ε_r$ = 52.7; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY4 Configuration:
Probe: EX3DV4 - SN3643; ConvF(7.45, 7.45, 7.45); 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: 2009-08-06; Ambient Temp: 21.2; Tissue Temp: 21.0

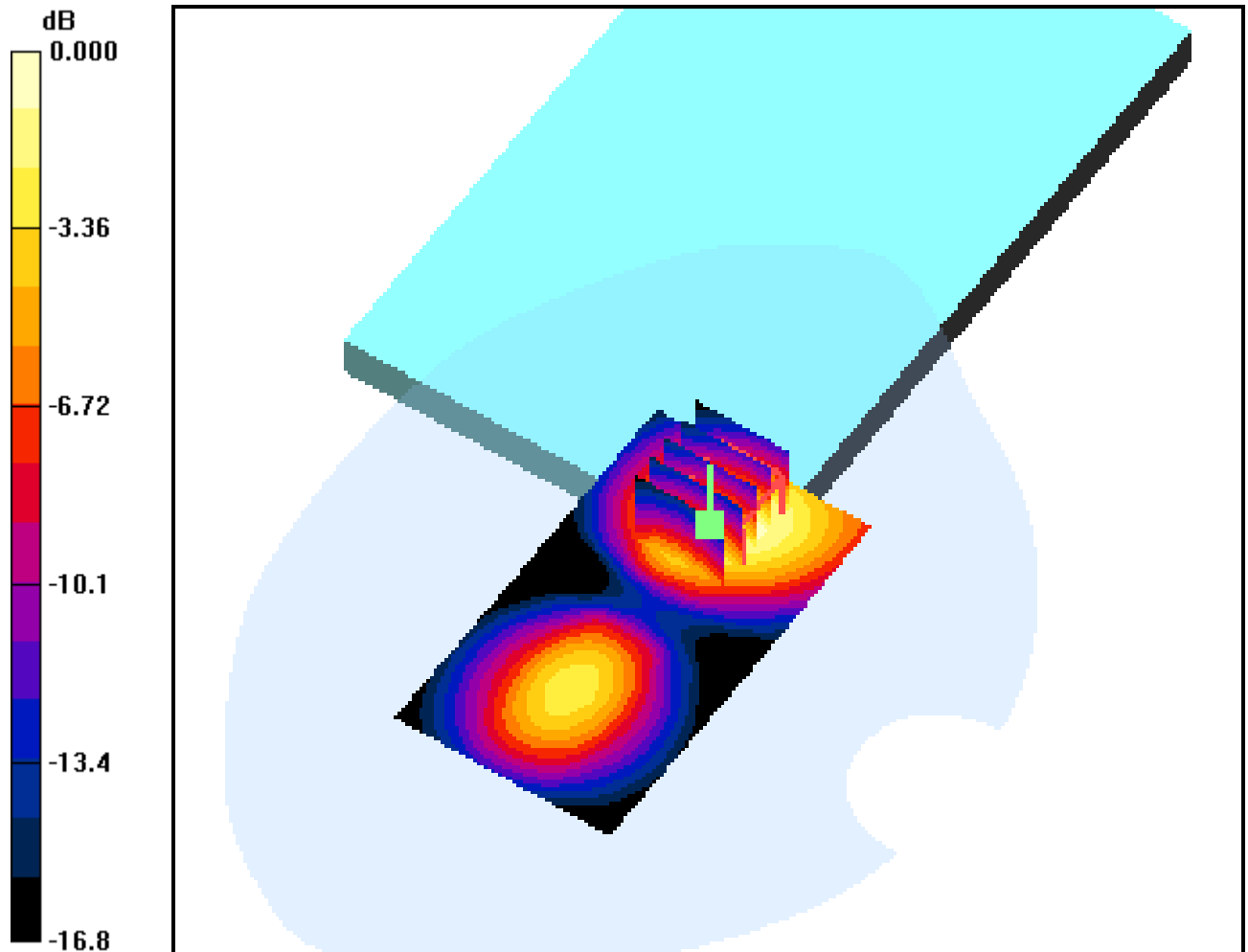**Touch from Body, Normal Position, WCDMA(FDD II) Ch.9262, Ant External**

Area Scan (51x91x1): Measurement grid: dx=15mm, dy=15mm
Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Power Drift = -0.183 dB
Peak SAR (extrapolated) = 1.84 W/kg
SAR(1 g) = 1.11 mW/g; SAR(10 g) = 0.645 mW/g

0 dB = 1.41mW/g

DIGITAL EMC CO., LTD

DUT: S7; Type: Laptop

Communication System: UMTS1900; Frequency: 1880 MHz;Duty Cycle: 1:1
Medium parameters used: f = 1880 MHz; σ = 1.56 mho/m; ε_r = 52.4; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY4 Configuration:
Probe: EX3DV4 - SN3643; ConvF(7.45, 7.45, 7.45); 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: 2009-08-06; Ambient Temp: 21.2; Tissue Temp: 21.0

Touch from Body, Normal Position, WCDMA(FDD II) Ch.9400, Ant External
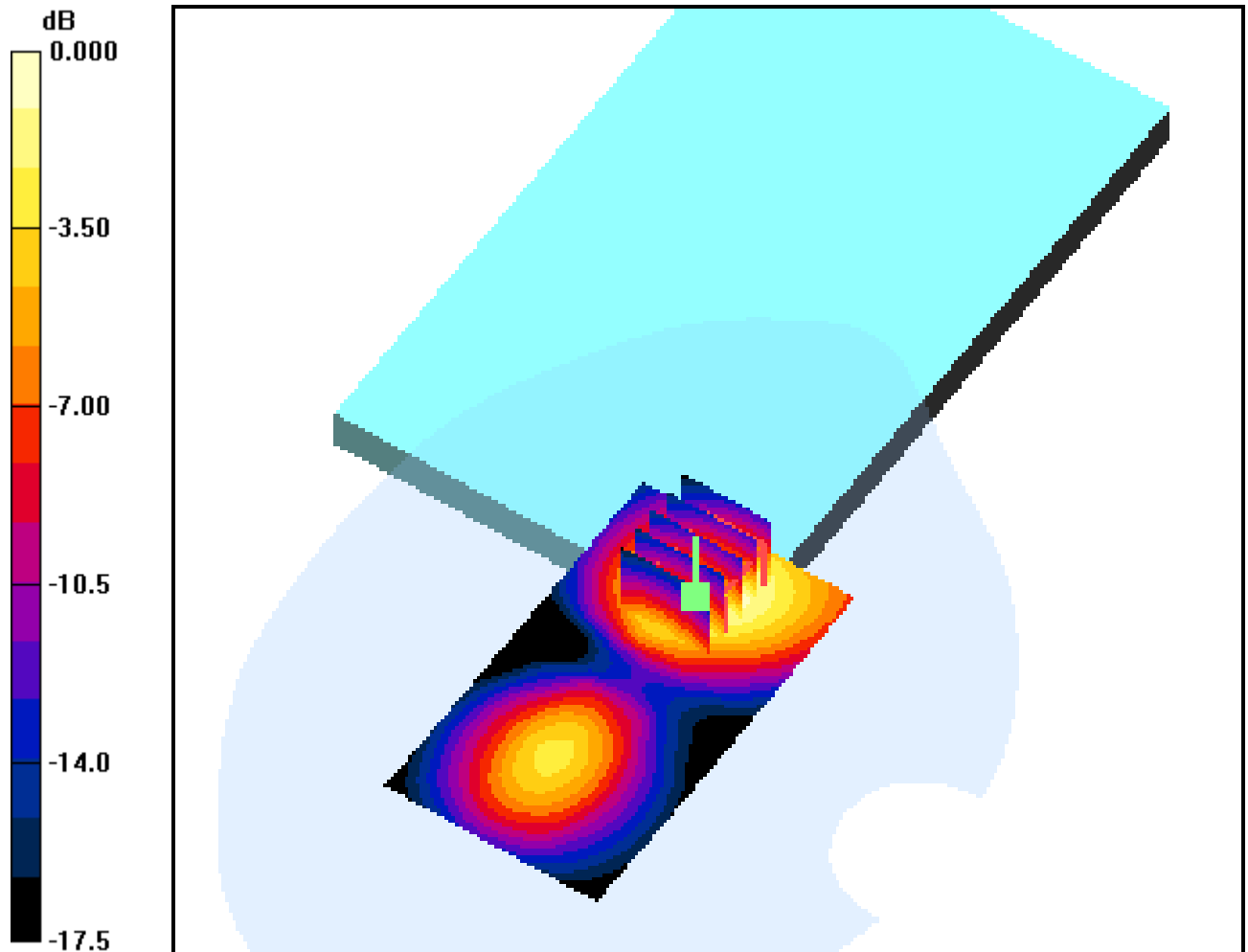
Area Scan (51x91x1): Measurement grid: dx=15mm, dy=15mm
Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Power Drift = -0.294 dB
Peak SAR (extrapolated) = 1.78 W/kg
SAR(1 g) = 1.07 mW/g; SAR(10 g) = 0.619 mW/g

dB
0.000
-3.50
-7.00
-10.5
-14.0
-17.5

0 dB = 1.36mW/g

DIGITAL EMC CO., LTD

DUT: S7; Type: Laptop

Communication System: UMTS1900; Frequency: 1907.6 MHz;Duty Cycle: 1:1
Medium parameters used: f = 1907.6 MHz; σ = 1.59 mho/m; $ε_r$ = 52.3; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY4 Configuration:
Probe: EX3DV4 - SN3643; ConvF(7.45, 7.45, 7.45); 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: 2009-08-06; Ambient Temp: 21.2; Tissue Temp: 21.0

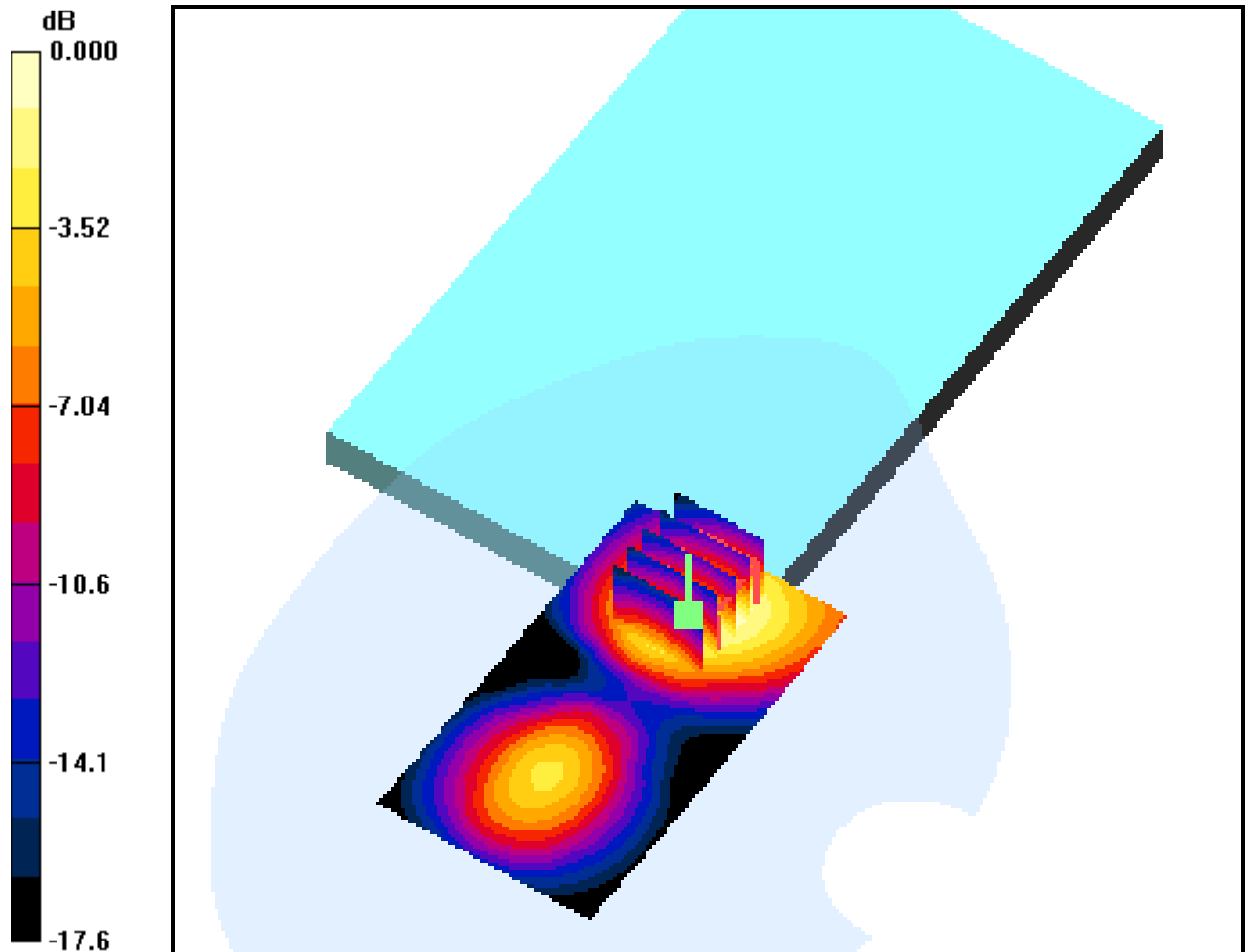**Touch from Body, Normal Position, WCDMA(FDD II) Ch.9538, Ant External**

Area Scan (51x91x1): Measurement grid: dx=15mm, dy=15mm
Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Power Drift = -0.280 dB
Peak SAR (extrapolated) = 1.75 W/kg
SAR(1 g) = 1.04 mW/g; SAR(10 g) = 0.604 mW/g

0 dB = 1.33mW/g

DIGITAL EMC CO., LTD

DUT: S7; Type: Laptop

Communication System: UMTS1900; Frequency: 1852.4 MHz;Duty Cycle: 1:1

Medium parameters used: f = 1852.4 MHz; σ = 1.53 mho/m; $ε_r$ = 52.7; ρ = 1000 kg/m³

Phantom section: Flat Section
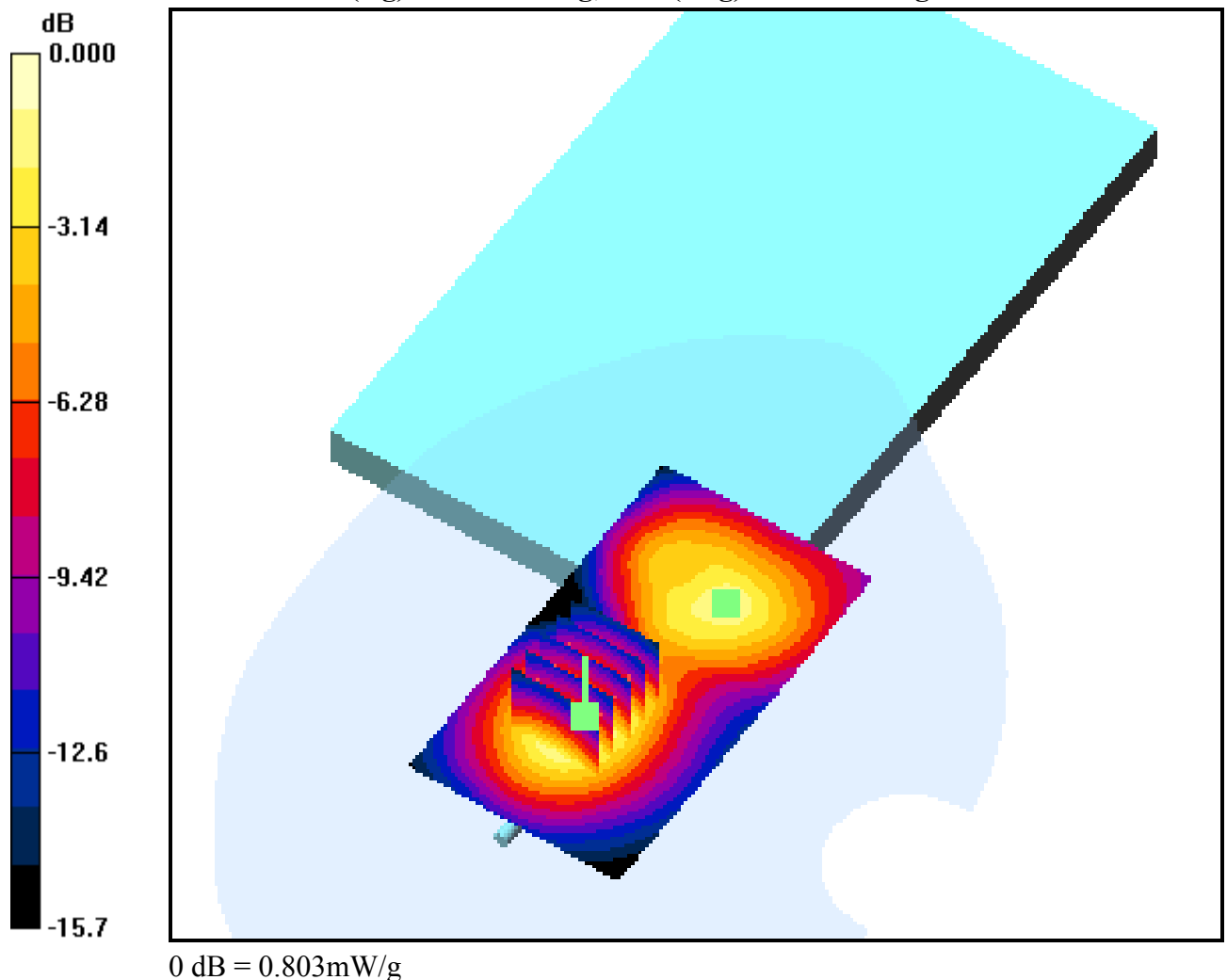
DASY4 Configuration:

Probe: EX3DV4 - SN3643; ConvF(7.45, 7.45, 7.45); 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: 2009-08-06; Ambient Temp: 21.2; Tissue Temp: 21.0

Touch from Body, Normal Position, WCDMA(FDD II) Ch.9262

Insert one step in External Ant

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

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

Power Drift = -0.065 dB

Peak SAR (extrapolated) = 1.04 W/kg

SAR(1 g) = 0.643 mW/g; SAR(10 g) = 0.381 mW/g

0 dB = 0.803mW/g

DIGITAL EMC CO., LTD

DUT: S7; Type: Laptop

Communication System: UMTS1900; Frequency: 1852.4 MHz;Duty Cycle: 1:1
Medium parameters used: f = 1852.4 MHz; σ = 1.53 mho/m; $ε_r$ = 52.7; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY4 Configuration:
Probe: EX3DV4 - SN3643; ConvF(7.45, 7.45, 7.45); 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: 2009-08-06; Ambient Temp: 21.2; Tissue Temp: 21.0

Touch from Body, Normal Position, WCDMA(FDD II) Ch.9262

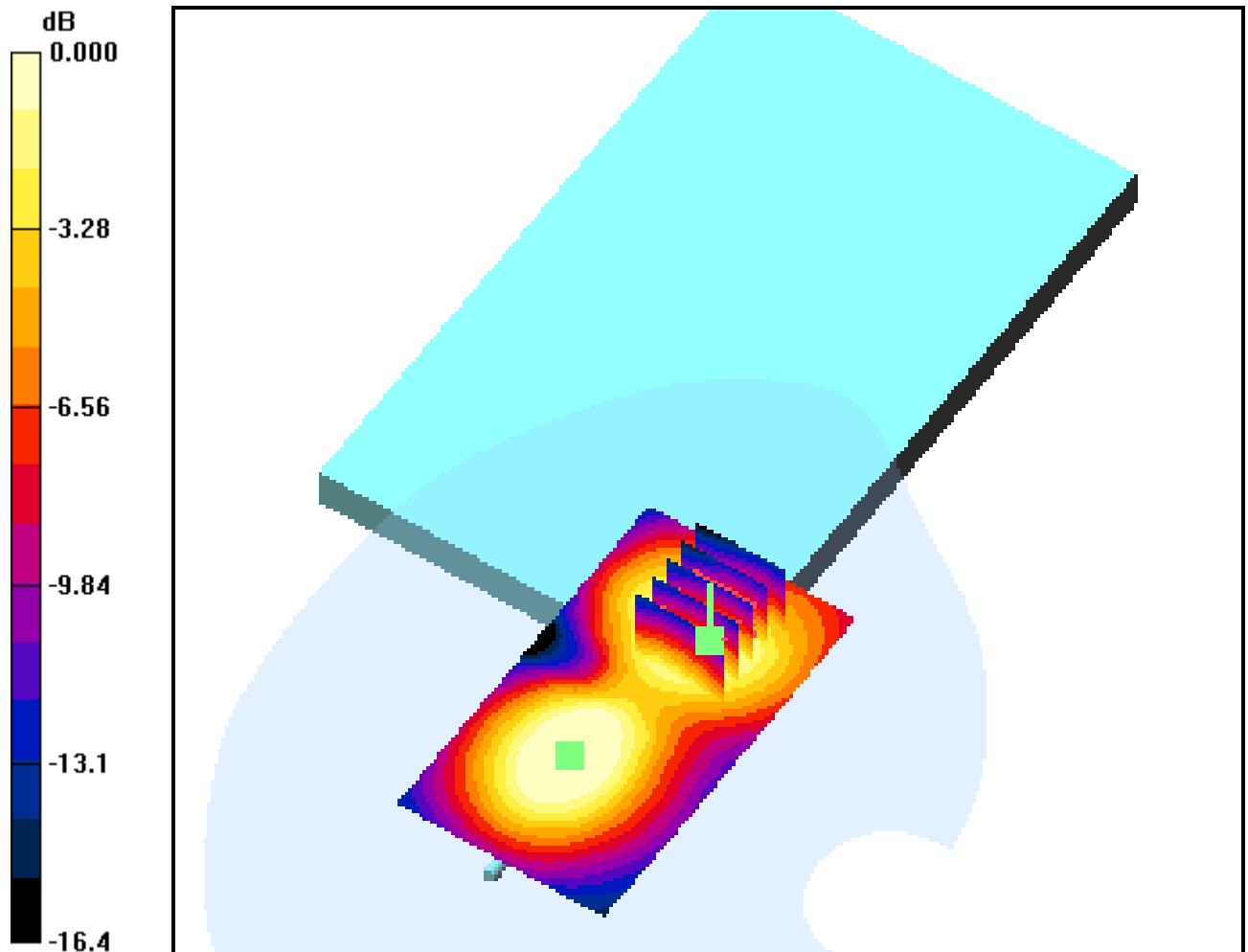**Insert one step in External Ant**

Area Scan (51x91x1): Measurement grid: dx=15mm, dy=15mm
Zoom Scan (5x5x7)/Cube 1: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Power Drift = -0.065 dB
Peak SAR (extrapolated) = 0.725 W/kg
SAR(1 g) = 0.455 mW/g; SAR(10 g) = 0.267 mW/g

0 dB = 0.570mW/g

DUT: S7; Type: Laptop

Communication System: UMTS1900; Frequency: 1852.4 MHz;Duty Cycle: 1:1

Medium parameters used: f = 1852.4 MHz; σ = 1.53 mho/m; ε_r = 52.7; ρ = 1000 kg/m^3

Phantom section: Flat Section

DASY4 Configuration:

Probe: EX3DV4 - SN3643; ConvF(7.45, 7.45, 7.45); 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: 2009-08-06; Ambient Temp: 21.2; Tissue Temp: 21.0

Touch from Body, Normal Position, WCDMA(FDD II) Ch.9262
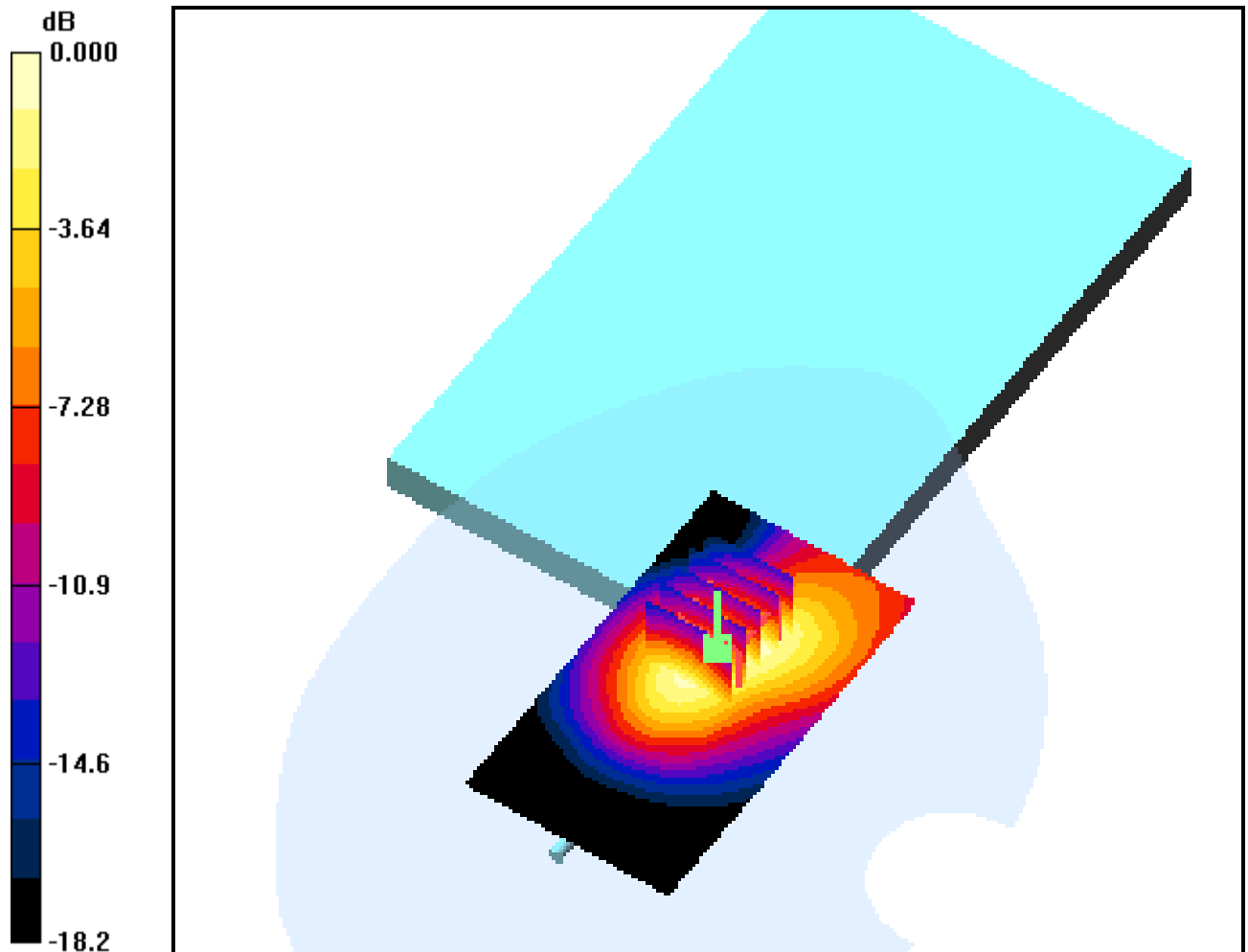
Insert two step in External Ant

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

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

Power Drift = -0.207 dB

Peak SAR (extrapolated) = 1.84 W/kg

SAR(1 g) = 1.07 mW/g; SAR(10 g) = 0.617 mW/g

0 dB = 1.33mW/g

DIGITAL EMC CO., LTD

DUT: S7; Type: Laptop

Communication System: UMTS1900; Frequency: 1852.4 MHz;Duty Cycle: 1:1
Medium parameters used: f = 1852.4 MHz; σ = 1.53 mho/m; $ε_r$ = 52.7; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY4 Configuration:
Probe: EX3DV4 - SN3643; ConvF(7.45, 7.45, 7.45); 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: 2009-08-06; Ambient Temp: 21.2; Tissue Temp: 21.0

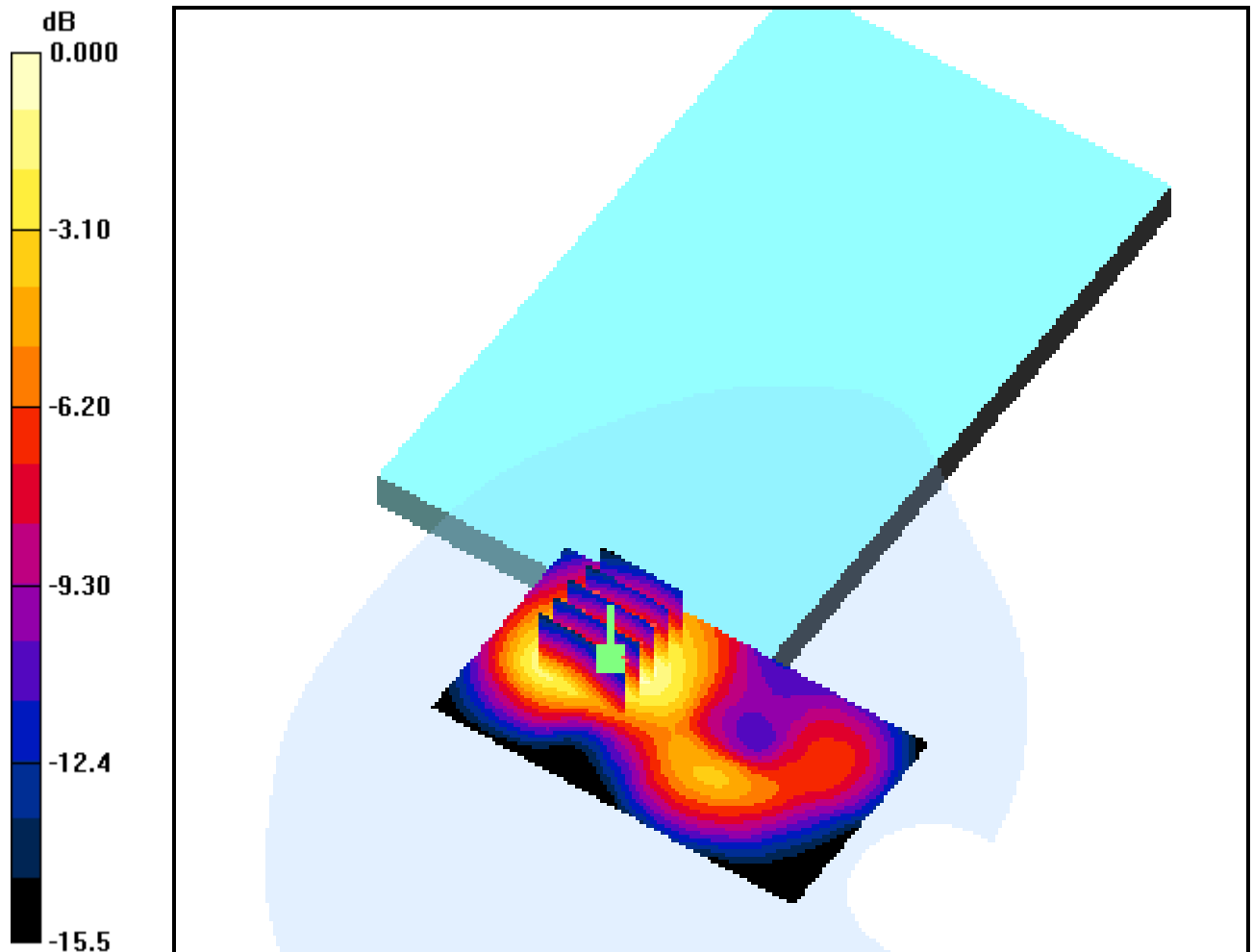**Touch from Body, Normal Position, WCDMA(FDD II) Ch.9262**

Side External Ant

Area Scan (91x51x1): Measurement grid: dx=15mm, dy=15mm
Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Power Drift = -0.123 dB
Peak SAR (extrapolated) = 1.43 W/kg
SAR(1 g) = 0.889 mW/g; SAR(10 g) = 0.530 mW/g

0 dB = 1.11mW/g

DIGITAL EMC CO., LTD

DUT: S7; Type: Laptop

Communication System: UMTS1900; Frequency: 1852.4 MHz;Duty Cycle: 1:1
Medium parameters used: f = 1852.4 MHz; σ = 1.53 mho/m; ε_r = 52.7; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY4 Configuration:
Probe: EX3DV4 - SN3643; ConvF(7.45, 7.45, 7.45); 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: 2009-08-06; Ambient Temp: 21.2; Tissue Temp: 21.0

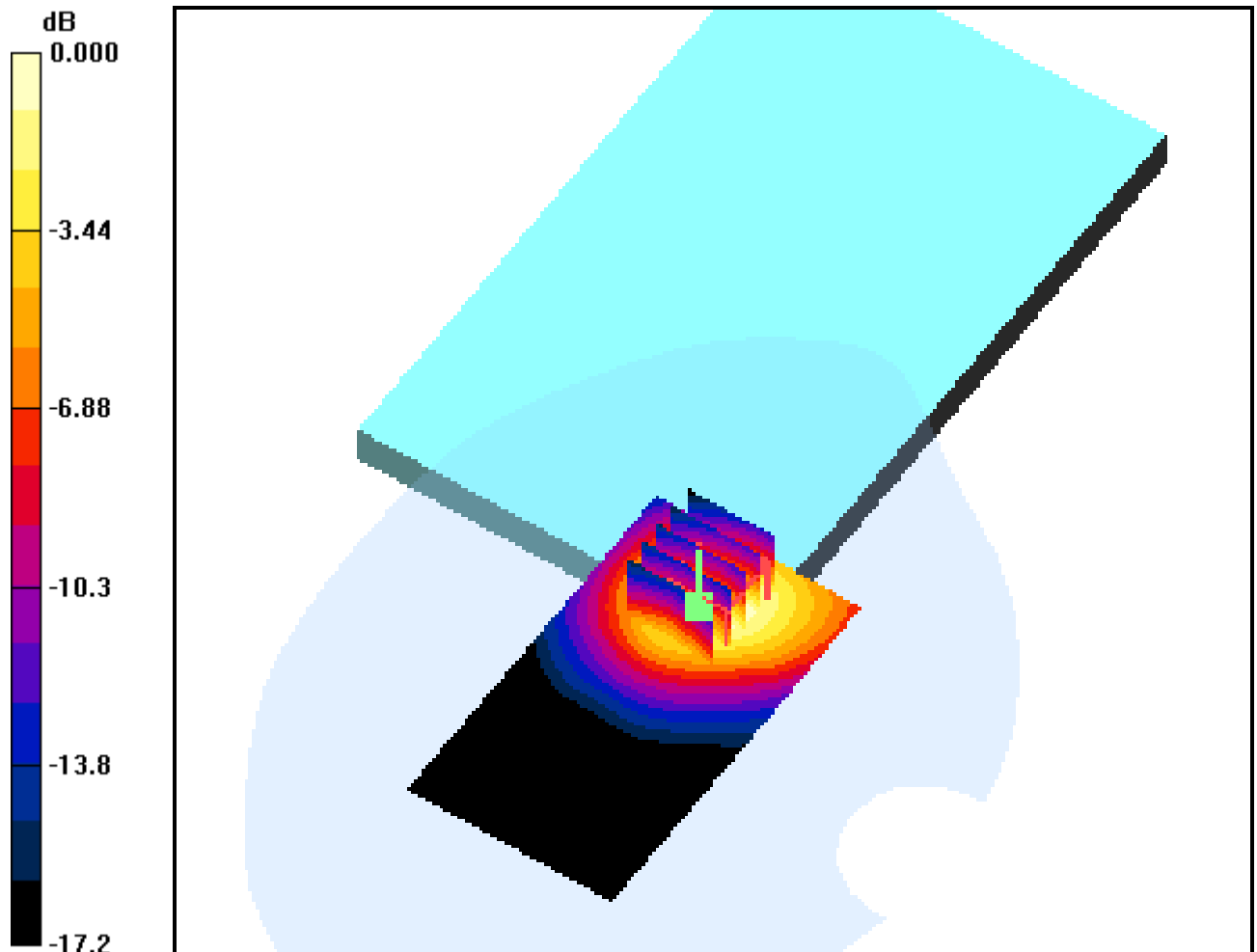**Touch from Body, Normal Position, WCDMA(FDD II) Ch.9262**

Bottom External Ant

Area Scan (51x91x1): Measurement grid: dx=15mm, dy=15mm
Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Power Drift = -0.135 dB
Peak SAR (extrapolated) = 1.44 W/kg
SAR(1 g) = 0.878 mW/g; SAR(10 g) = 0.511 mW/g

dB
0.000
-3.44
-6.88
-10.3
-13.8
-17.2

0 dB = 1.11mW/g

DIGITAL EMC CO., LTD

DUT: S7; Type: Laptop

Communication System: UMTS850; Frequency: 836.4 MHz;Duty Cycle: 1:1
Medium parameters used: f = 836.4 MHz; σ = 0.991 mho/m; ε$_r$ = 53.3; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY4 Configuration:
Probe: EX3DV4 - SN3643; ConvF(8.63, 8.63, 8.63); Calibrated: 2009-01-14; Electronics: DAE3 Sn519
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: 2009-08-07; Ambient Temp: 20.5; Tissue Temp: 20.3

Touch from Body, Normal Position, WCDMA(FDD V) Ch.4182

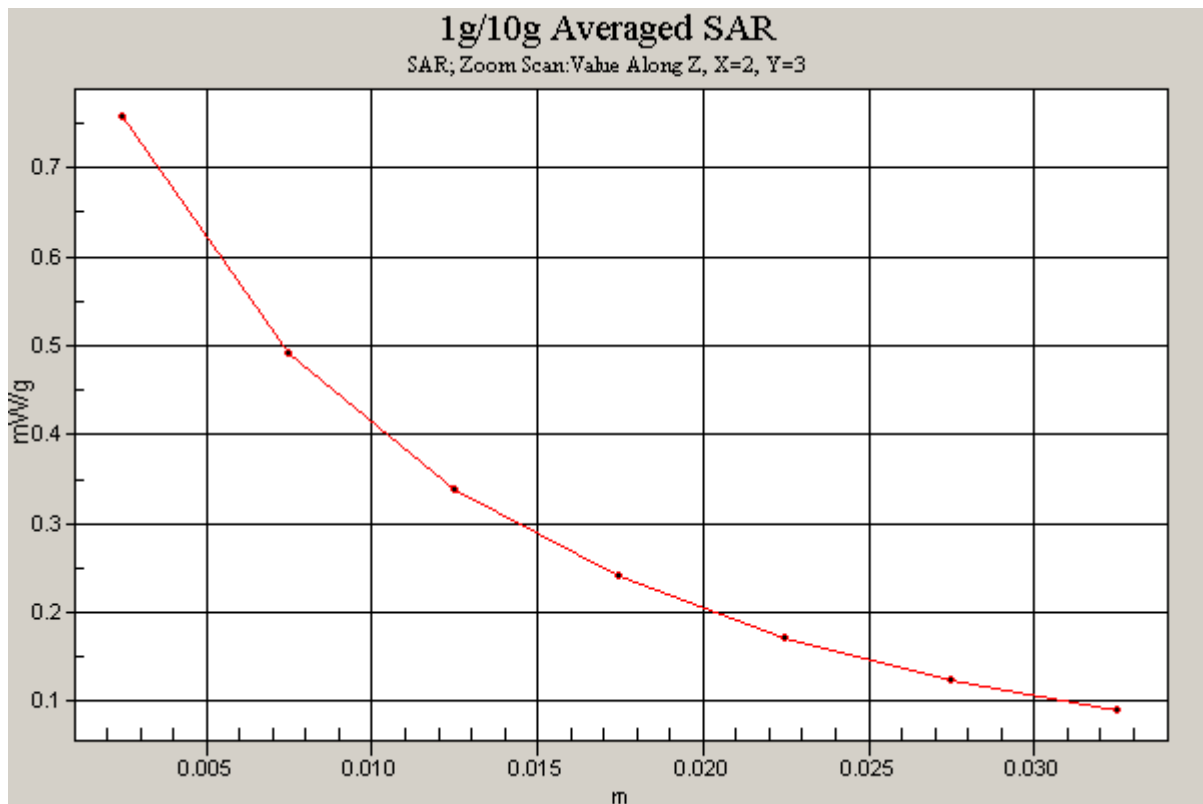**Insert one step in External Ant**

Area Scan (51x111x1): Measurement grid: dx=15mm, dy=15mm
Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Power Drift = 0.072 dB
Peak SAR (extrapolated) = 0.934 W/kg
SAR(1 g) = 0.621 mW/g; SAR(10 g) = 0.418 mW/g

DIGITAL EMC CO., LTD

DUT: S7; Type: Laptop

Communication System: UMTS1900; Frequency: 1852.4 MHz;Duty Cycle: 1:1
Medium parameters used: f = 1852.4 MHz; σ = 1.53 mho/m; $ε_r$ = 52.7; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY4 Configuration:
Probe: EX3DV4 - SN3643; ConvF(7.45, 7.45, 7.45); 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: 2009-08-06; Ambient Temp: 21.2; Tissue Temp: 21.0

Touch from Body, Normal Position, WCDMA(FDD II) Ch.9262, Ant External

Area Scan (51x91x1): Measurement grid: dx=15mm, dy=15mm
Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Power Drift = -0.183 dB
Peak SAR (extrapolated) = 1.84 W/kg
SAR(1 g) = 1.11 mW/g; SAR(10 g) = 0.645 mW/g