DIGITAL EMC CO., LTD

DUT: Dipole 2600 MHz; Type: D2600V2; Serial: D2600V2 - SN:1016

Communication System: CW; Frequency: 2600 MHz;Duty Cycle: 1:1
Medium parameters used: f = 2600 MHz; σ = 2.04 mho/m; ε_r = 38.9; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY4 Configuration:
Probe: EX3DV4 - SN3643; ConvF(6.97, 6.97, 6.97); Calibrated: 2008-06-23; Electronics: DAE3 Sn520
Phantom: SAM 1800/1900 MHz; Type: SAM; Serial: TP-1224
Measurement SW: DASY4, V4.7 Build 55; Postprocessing SW: SEMCAD, V1.8 Build 176

Test Date: 2008-11-06; Ambient Temp: 21.0; Tissue Temp: 20.8
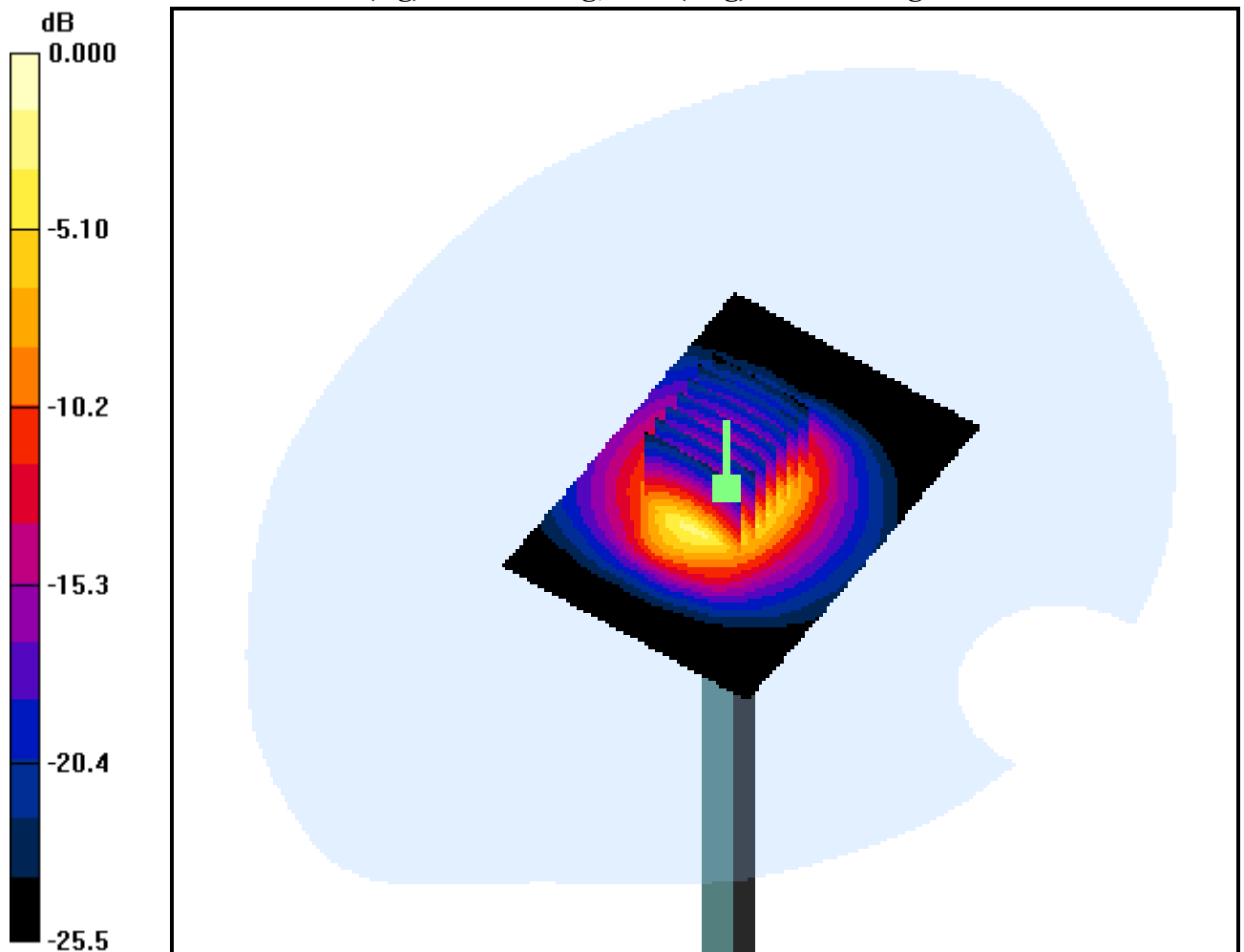
Dipole Validation

Area Scan (51x71x1): Measurement grid: dx=15mm, dy=15mm
Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 74.2 V/m; Power Drift = 0.020 dB
Peak SAR (extrapolated) = 18.5 W/kg
SAR(1 g) = 7.82 mW/g; SAR(10 g) = 3.37 mW/g

0 dB = 11.6mW/g

DIGITAL EMC CO., LTD

DUT: Dipole 2600 MHz; Type: D2600V2; Serial: D2600V2 - SN:1016

Communication System: CW; Frequency: 2600 MHz;Duty Cycle: 1:1
Medium parameters used: f = 2600 MHz; σ = 1.99 mho/m; ε_r = 39.1; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY4 Configuration:

Probe: EX3DV4 - SN3643; ConvF(6.97, 6.97, 6.97); Calibrated: 2008-06-23; Electronics: DAE3 Sn520
Phantom: SAM 1800/1900 MHz; Type: SAM; Serial: TP-1224
Measurement SW: DASY4, V4.7 Build 55; Postprocessing SW: SEMCAD, V1.8 Build 176

Test Date: 2008-11-07; Ambient Temp: 21.0; Tissue Temp: 20.5
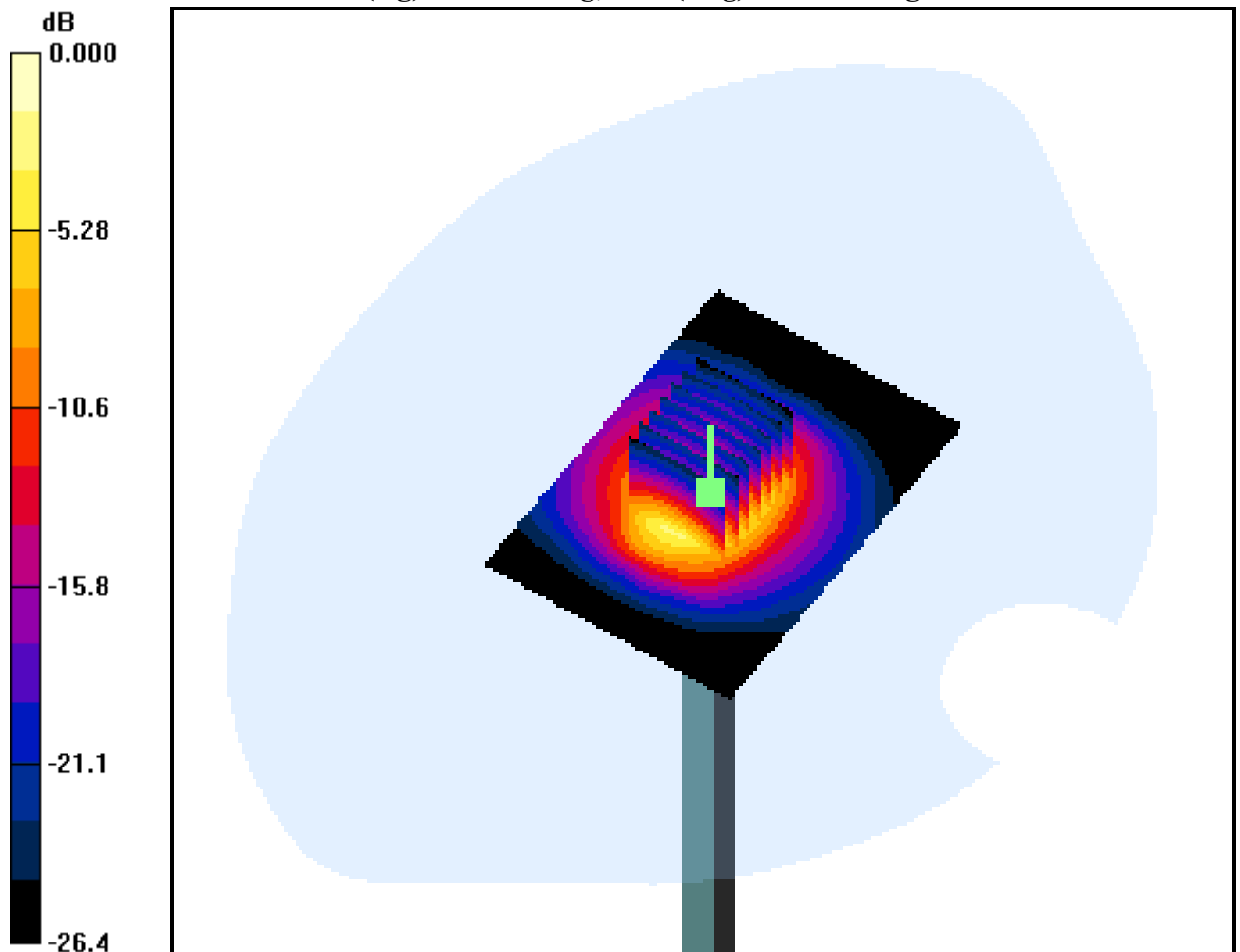
Dipole Validation

Area Scan (51x71x1): Measurement grid: dx=15mm, dy=15mm
Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 76.3 V/m; Power Drift = 0.004 dB
Peak SAR (extrapolated) = 19.3 W/kg
SAR(1 g) = 7.86 mW/g; SAR(10 g) = 3.32 mW/g

0 dB = 11.6mW/g

DIGITAL EMC CO., LTD

DUT: Dipole 2600 MHz; Type: D2600V2; Serial: D2600V2 - SN:1016

Communication System: CW; Frequency: 2600 MHz;Duty Cycle: 1:1

Medium parameters used: f = 2600 MHz; σ = 2.02 mho/m; ε_r = 40; ρ = 1000 kg/m^3

Phantom section: Flat Section

DASY4 Configuration:

Probe: EX3DV4 - SN3643; ConvF(6.97, 6.97, 6.97); Calibrated: 2008-06-23; Electronics: DAE3 Sn520

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

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

Test Date: 2008-11-08; Ambient Temp: 21.0; Tissue Temp: 20.7
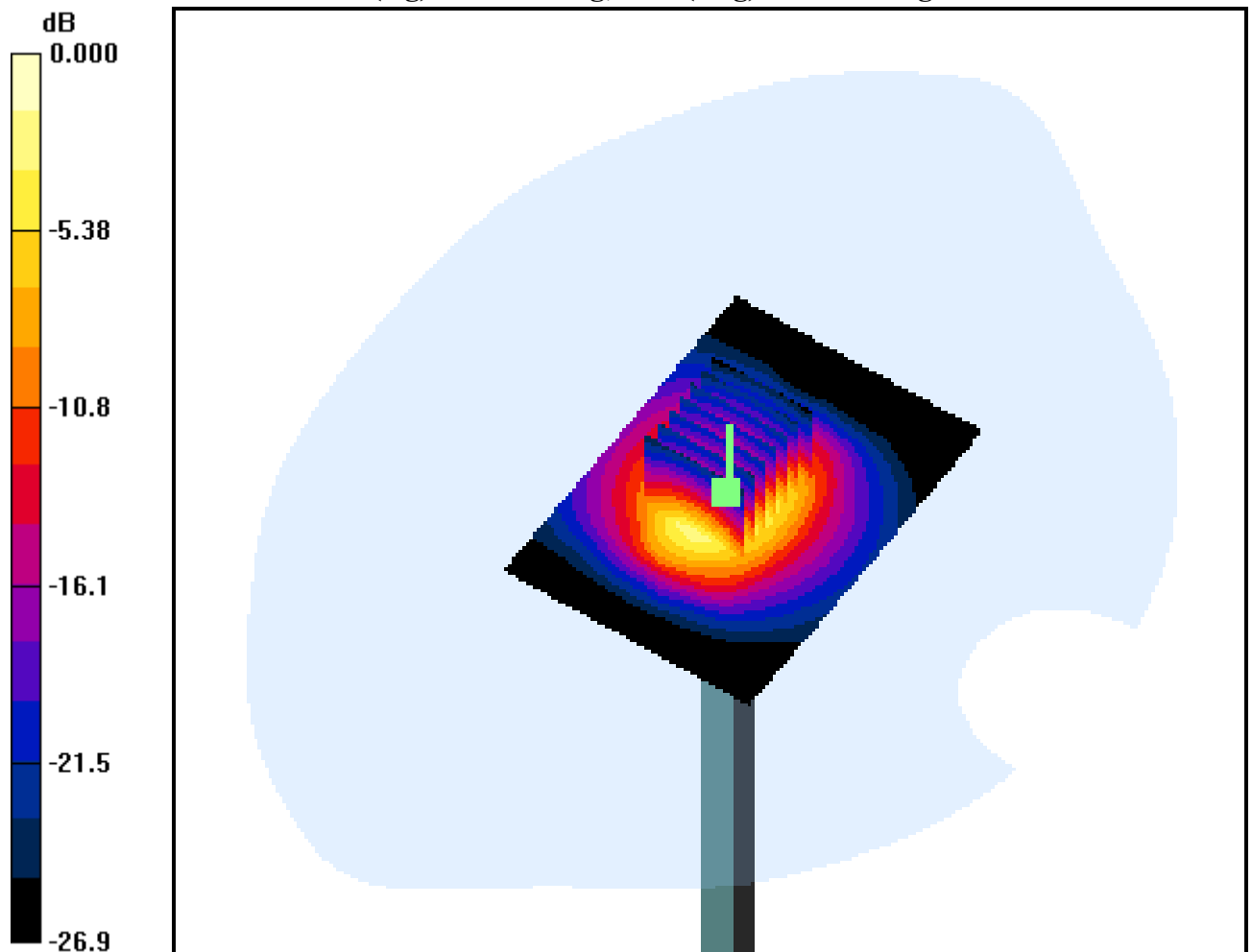
Dipole Validation

Area Scan (51x71x1): Measurement grid: dx=15mm, dy=15mm

Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 74.3 V/m; Power Drift = 0.068 dB

Peak SAR (extrapolated) = 18.6 W/kg

SAR(1 g) = 7.68 mW/g; SAR(10 g) = 3.27 mW/g

0 dB = 11.3mW/g

DIGITAL EMC CO., LTD

DUT: Dipole 2600 MHz; Type: D2600V2; Serial: D2600V2 - SN:1016

Communication System: CW; Frequency: 2600 MHz;Duty Cycle: 1:1
Medium parameters used: f = 2600 MHz; σ = 2.03 mho/m; ε_r = 38.9; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY4 Configuration:
Probe: EX3DV4 - SN3643; ConvF(6.97, 6.97, 6.97); Calibrated: 2008-06-23; 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

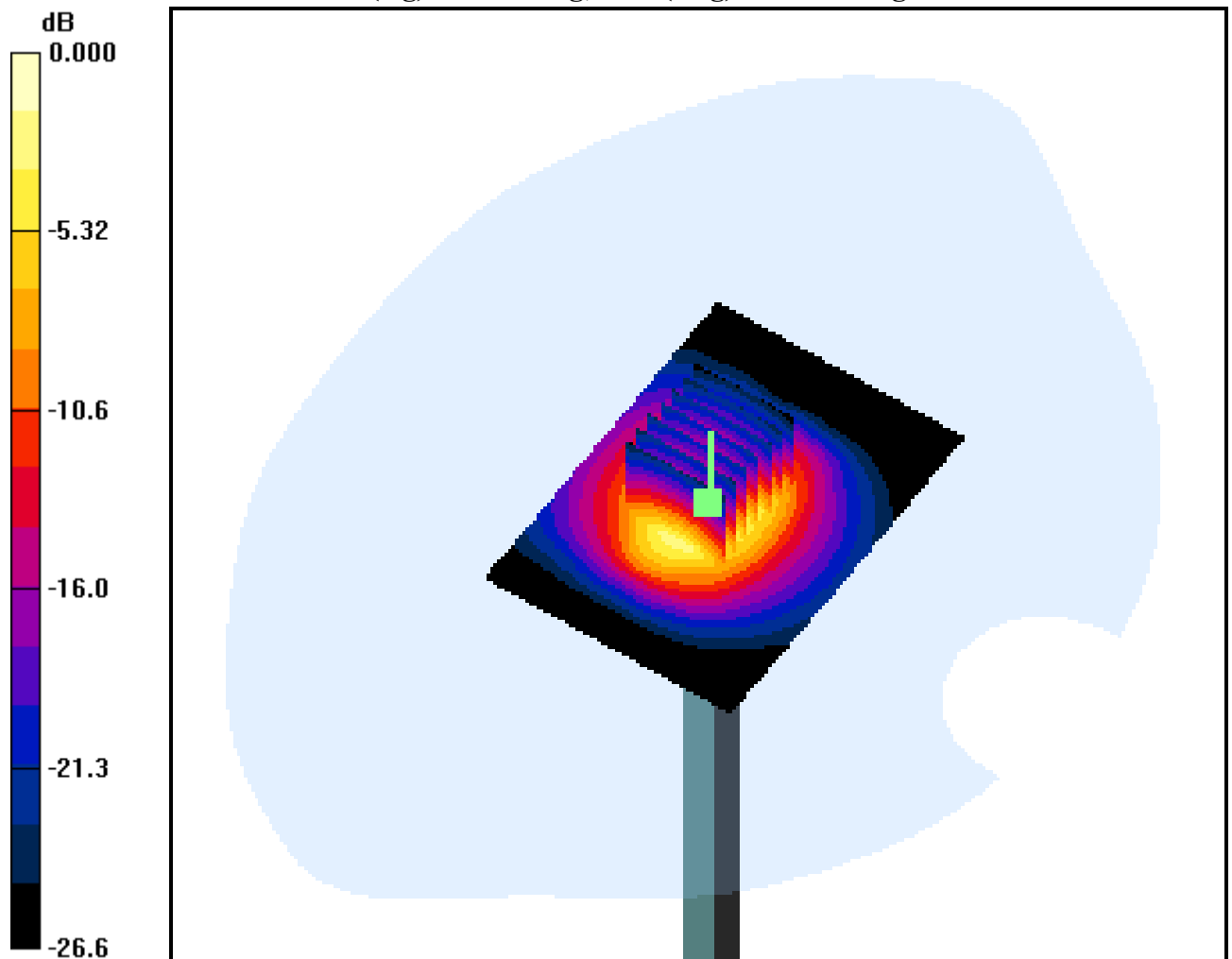Test Date: 2009-03-06; Ambient Temp: 22.0; Tissue Temp: 21.4

Dipole Validation

Area Scan (51x71x1): Measurement grid: dx=15mm, dy=15mm
Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 74.3 V/m; Power Drift = 0.009 dB
Peak SAR (extrapolated) = 18.7 W/kg
SAR(1 g) = 7.7 mW/g; SAR(10 g) = 3.27 mW/g

0 dB = 11.4mW/g

DIGITAL EMC CO., LTD

DUT: SWU-3120; Type: USB Modem

Communication System: FCC_Wimax; Frequency: 2593 MHz;Duty Cycle: 1:3.24

Medium parameters used: f = 2593 MHz; σ = 2.16 mho/m; ε_r = 51.7; ρ = 1000 kg/m^3

Phantom section: Flat Section

DASY4 Configuration:

Probe: EX3DV4 - SN3643; ConvF(6.95, 6.95, 6.95); Calibrated: 2008-06-23; 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: 2009-03-06; Ambient Temp: 22.0; Tissue Temp: 21.4

4mm from Body, WiMAX Ch.Mid, Ant Internal
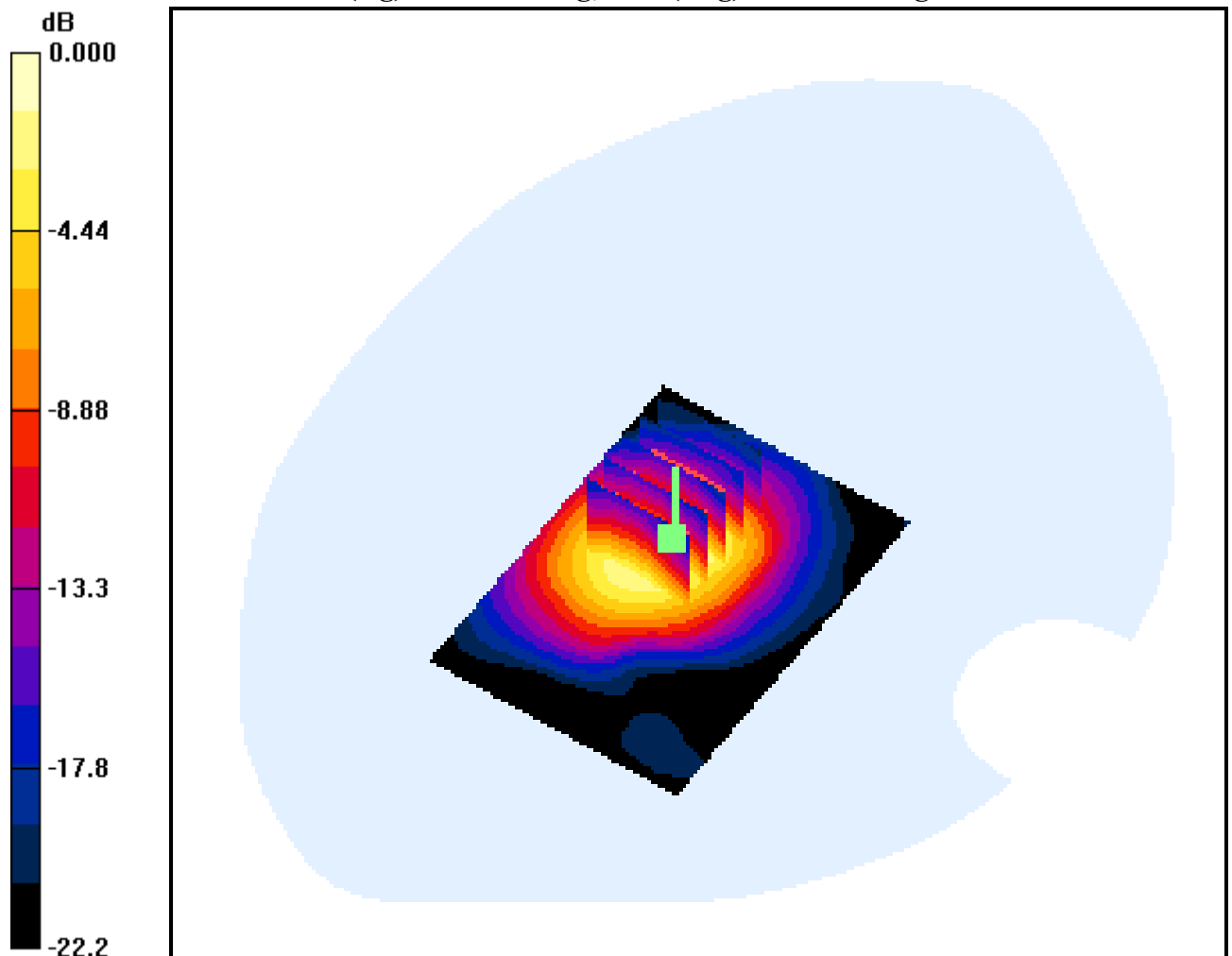
Mode : Bandwith 5M, 16QAM, Horizontal_Up

Area Scan (51x71x1): Measurement grid: dx=15mm, dy=15mm
Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 8.42 V/m; Power Drift = 0.058 dB
Peak SAR (extrapolated) = 0.593 W/kg
SAR(1 g) = 0.292 mW/g; SAR(10 g) = 0.145 mW/g

0 dB = 0.400mW/g

DIGITAL EMC CO., LTD

DUT: SWU-3120; Type: USB Modem

Communication System: FCC_Wimax; Frequency: 2593 MHz;Duty Cycle: 1:3.24

Medium parameters used: f = 2593 MHz; σ = 2.14 mho/m; ε_r = 51.2; ρ = 1000 kg/m^3

Phantom section: Flat Section

DASY4 Configuration:

Probe: EX3DV4 - SN3643; ConvF(6.95, 6.95, 6.95); Calibrated: 2008-06-23; Electronics: DAE3 Sn520

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

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

Test Date: 2008-11-07; Ambient Temp: 21.0; Tissue Temp: 20.5

5mm from Body, WiMAX Ch.Mid, Ant Internal
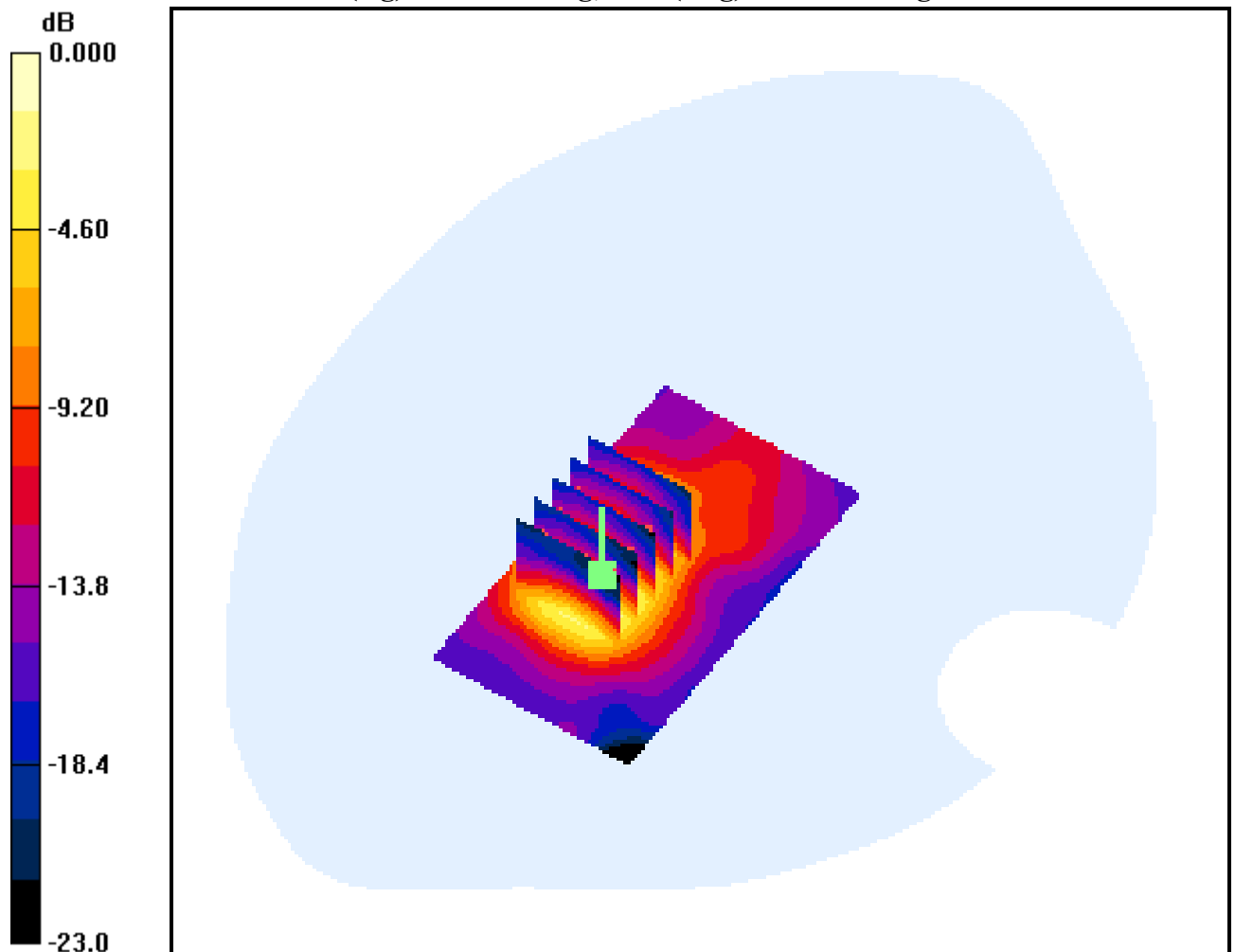
Mode : Bandwith 5M, 16QAM, Horizontal_Down

Area Scan (41x71x1): Measurement grid: dx=15mm, dy=15mm

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

Reference Value = 3.68 V/m; Power Drift = -0.107 dB

Peak SAR (extrapolated) = 0.505 W/kg

SAR(1 g) = 0.239 mW/g; SAR(10 g) = 0.115 mW/g

0 dB = 0.320mW/g

DIGITAL EMC CO., LTD

DUT: SWU-3120; Type: USB Modem

Communication System: FCC_Wimax; Frequency: 2593 MHz;Duty Cycle: 1:3.24
Medium parameters used: f = 2593 MHz; σ = 2.14 mho/m; $ε_r$ = 51.2; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY4 Configuration:
Probe: EX3DV4 - SN3643; ConvF(6.95, 6.95, 6.95); Calibrated: 2008-06-23; Electronics: DAE3 Sn520
Phantom: SAM 1800/1900 MHz; Type: SAM; Serial: TP-1224
Measurement SW: DASY4, V4.7 Build 55; Postprocessing SW: SEMCAD, V1.8 Build 176

Test Date: 2008-11-07; Ambient Temp: 21.0; Tissue Temp: 20.5

5mm from Body, WiMAX Ch.Mid, Ant Internal

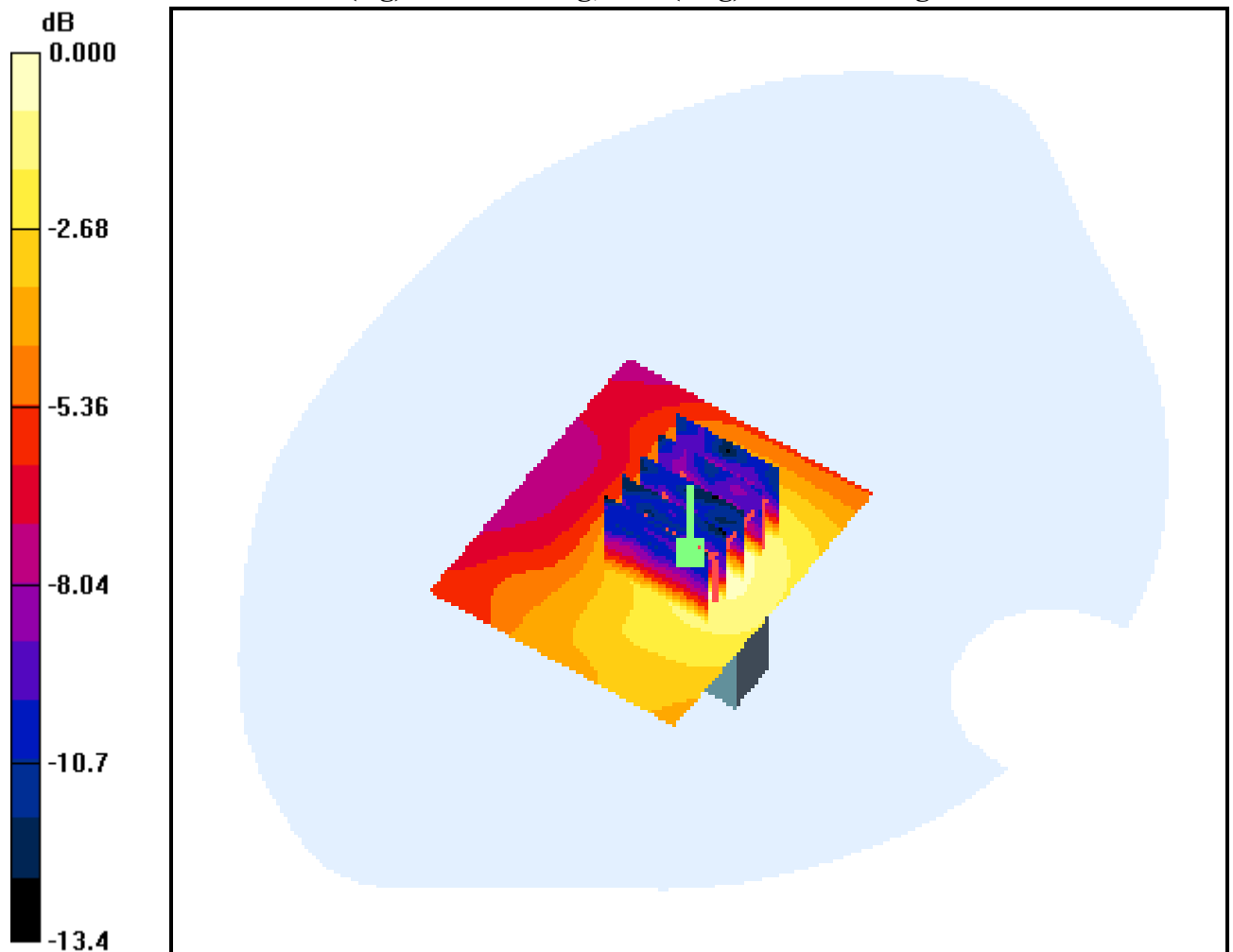**Mode : Bandwith 5M, 16QAM, Horizontal_Up 90'**

Area Scan (51x61x1): Measurement grid: dx=15mm, dy=15mm
Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 4.16 V/m; Power Drift = -0.161 dB
Peak SAR (extrapolated) = 0.075 W/kg
SAR(1 g) = 0.039 mW/g; SAR(10 g) = 0.022 mW/g

0 dB = 0.051mW/g

DIGITAL EMC CO., LTD

DUT: SWU-3120; Type: USB Modem

Communication System: FCC_Wimax; Frequency: 2593 MHz;Duty Cycle: 1:3.24
Medium parameters used: f = 2593 MHz; σ = 2.14 mho/m; ε_r = 51.2; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY4 Configuration:
Probe: EX3DV4 - SN3643; ConvF(6.95, 6.95, 6.95); Calibrated: 2008-06-23; Electronics: DAE3 Sn520
Phantom: SAM 1800/1900 MHz; Type: SAM; Serial: TP-1224
Measurement SW: DASY4, V4.7 Build 55; Postprocessing SW: SEMCAD, V1.8 Build 176

Test Date: 2008-11-07; Ambient Temp: 21.0; Tissue Temp: 20.5

5mm from Body, WiMAX Ch.Mid, Ant Internal

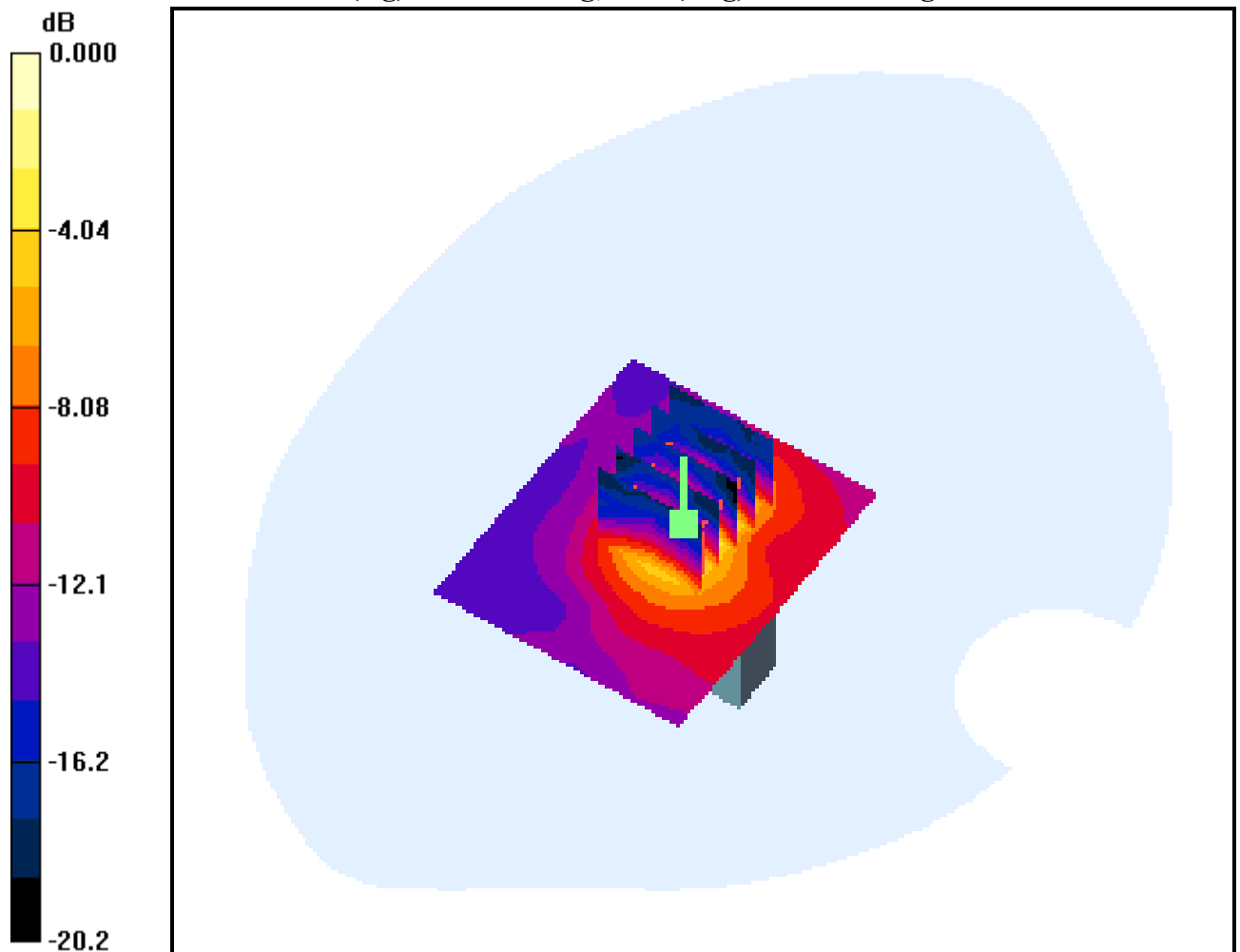**Mode : Bandwith 5M, 16QAM, Horizontal_Down 90'**

Area Scan (51x61x1): Measurement grid: dx=15mm, dy=15mm
Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 7.98 V/m; Power Drift = 0.028 dB
Peak SAR (extrapolated) = 0.352 W/kg
SAR(1 g) = 0.166 mW/g; SAR(10 g) = 0.073 mW/g

0 dB = 0.237mW/g

DIGITAL EMC CO., LTD

DUT: SWU-3120; Type: USB Modem

Communication System: FCC_Wimax; Frequency: 2593 MHz;Duty Cycle: 1:3.24
Medium parameters used: f = 2593 MHz; σ = 2.14 mho/m; ε_r = 51.2; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY4 Configuration:
Probe: EX3DV4 - SN3643; ConvF(6.95, 6.95, 6.95); Calibrated: 2008-06-23; Electronics: DAE3 Sn520
Phantom: SAM 1800/1900 MHz; Type: SAM; Serial: TP-1224
Measurement SW: DASY4, V4.7 Build 55; Postprocessing SW: SEMCAD, V1.8 Build 176

Test Date: 2008-11-07; Ambient Temp: 21.0; Tissue Temp: 20.5

5mm from Body, WiMAX Ch.Mid, Ant Internal
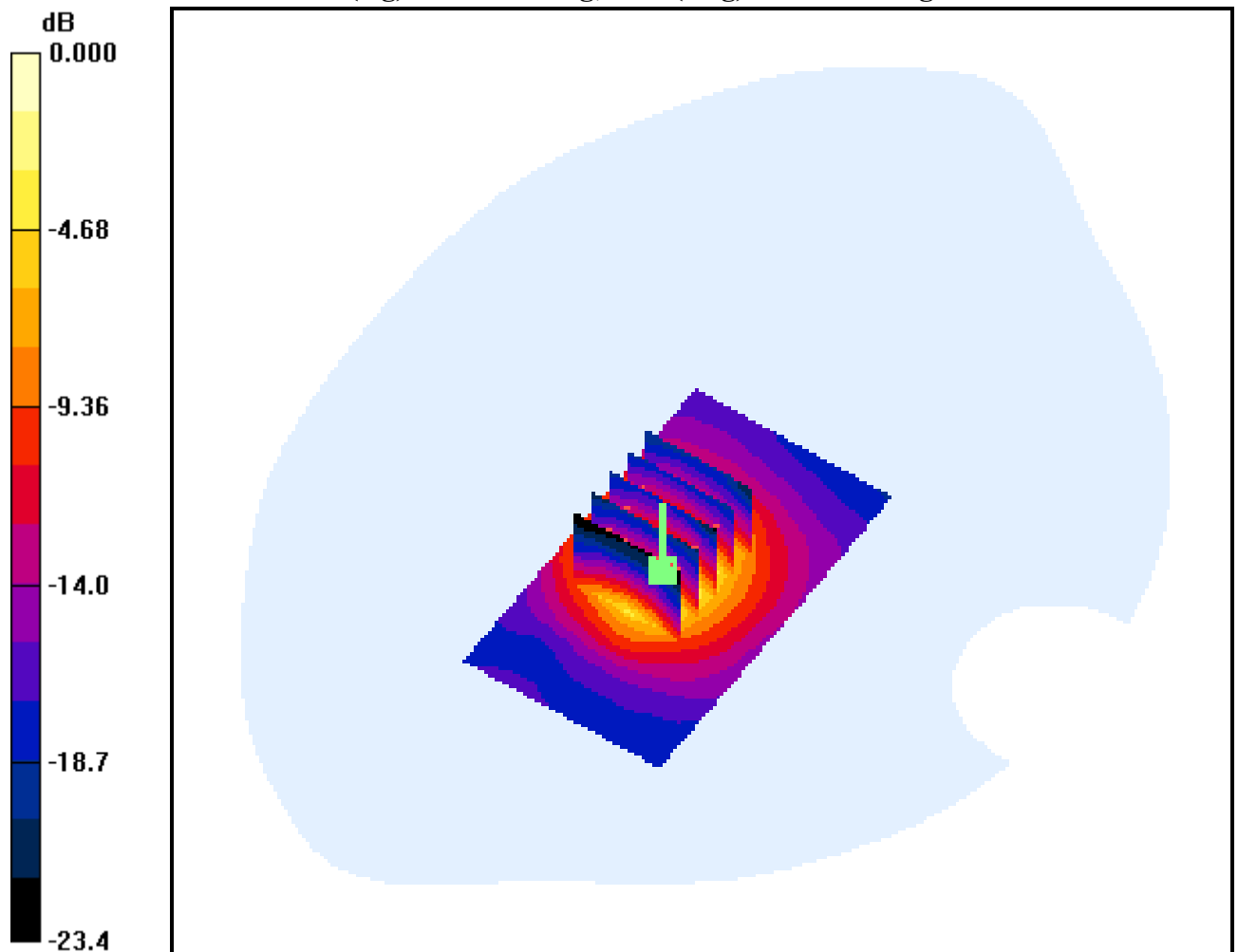
Mode : Bandwith 5M, 16QAM, Vertical_Right

Area Scan (41x71x1): Measurement grid: dx=15mm, dy=15mm
Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 5.65 V/m; Power Drift = -0.169 dB
Peak SAR (extrapolated) = 0.801 W/kg
SAR(1 g) = 0.374 mW/g; SAR(10 g) = 0.171 mW/g

0 dB = 0.528mW/g

DIGITAL EMC CO., LTD

DUT: SWU-3120; Type: USB Modem

Communication System: FCC_Wimax; Frequency: 2593 MHz;Duty Cycle: 1:3.24

Medium parameters used: f = 2593 MHz; σ = 2.14 mho/m; ε_r = 51.2; ρ = 1000 kg/m^3

Phantom section: Flat Section

DASY4 Configuration:

Probe: EX3DV4 - SN3643; ConvF(6.95, 6.95, 6.95); Calibrated: 2008-06-23; Electronics: DAE3 Sn520

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

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

Test Date: 2008-11-07; Ambient Temp: 21.0; Tissue Temp: 20.5

5mm from Body, WiMAX Ch.Mid, Ant Internal

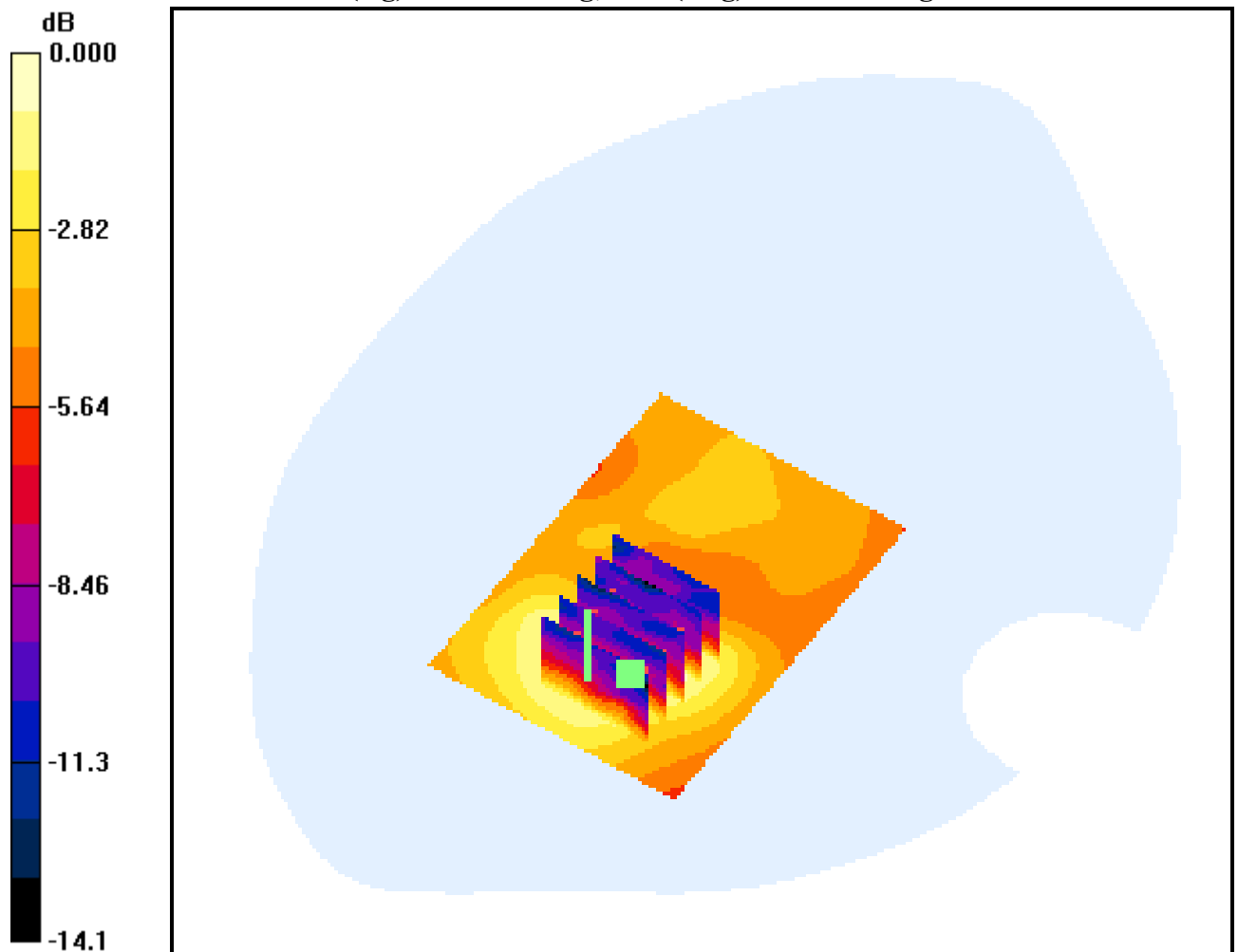**Mode : Bandwith 5M, 16QAM, Vertical_Left**

Area Scan (51x71x1): Measurement grid: dx=15mm, dy=15mm

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

Reference Value = 2.80 V/m; Power Drift = -0.183 dB

Peak SAR (extrapolated) = 0.053 W/kg

SAR(1 g) = 0.026 mW/g; SAR(10 g) = 0.014 mW/g

0 dB = 0.035mW/g

DIGITAL EMC CO., LTD

DUT: SWU-3120; Type: USB Modem

Communication System: FCC_Wimax; Frequency: 2593 MHz;Duty Cycle: 1:3.24
Medium parameters used: f = 2593 MHz; σ = 2.16 mho/m; ε_r = 51.7; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY4 Configuration:
Probe: EX3DV4 - SN3643; ConvF(6.95, 6.95, 6.95); Calibrated: 2008-06-23; 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: 2009-03-06; Ambient Temp: 22.0; Tissue Temp: 21.4

4mm from Body, WiMAX Ch.Mid, Ant Internal
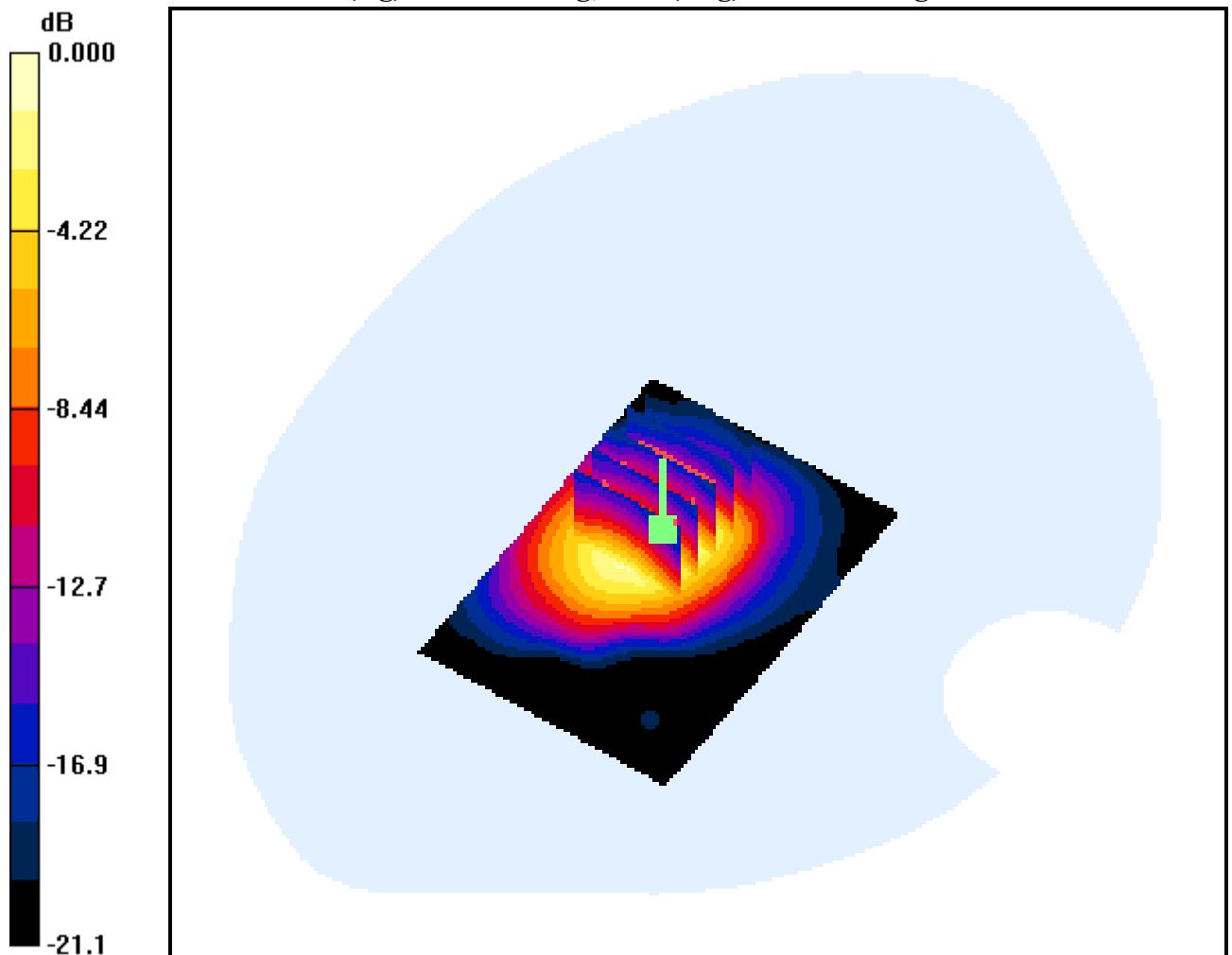
Mode : Bandwith 5M, QPSK, Horizontal_Up

Area Scan (51x71x1): Measurement grid: dx=15mm, dy=15mm
Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 8.38 V/m; Power Drift = 0.116 dB
Peak SAR (extrapolated) = 0.595 W/kg
SAR(1 g) = 0.294 mW/g; SAR(10 g) = 0.146 mW/g

0 dB = 0.403mW/g

DIGITAL EMC CO., LTD

DUT: SWU-3120; Type: USB Modem

Communication System: FCC_Wimax; Frequency: 2593 MHz;Duty Cycle: 1:3.24

Medium parameters used: f = 2593 MHz; σ = 2.14 mho/m; ε_r = 51.2; ρ = 1000 kg/m^3

Phantom section: Flat Section

DASY4 Configuration:

Probe: EX3DV4 - SN3643; ConvF(6.95, 6.95, 6.95); Calibrated: 2008-06-23; Electronics: DAE3 Sn520

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

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

Test Date: 2008-11-07; Ambient Temp: 21.0; Tissue Temp: 20.5

5mm from Body, WiMAX Ch.Mid, Ant Internal
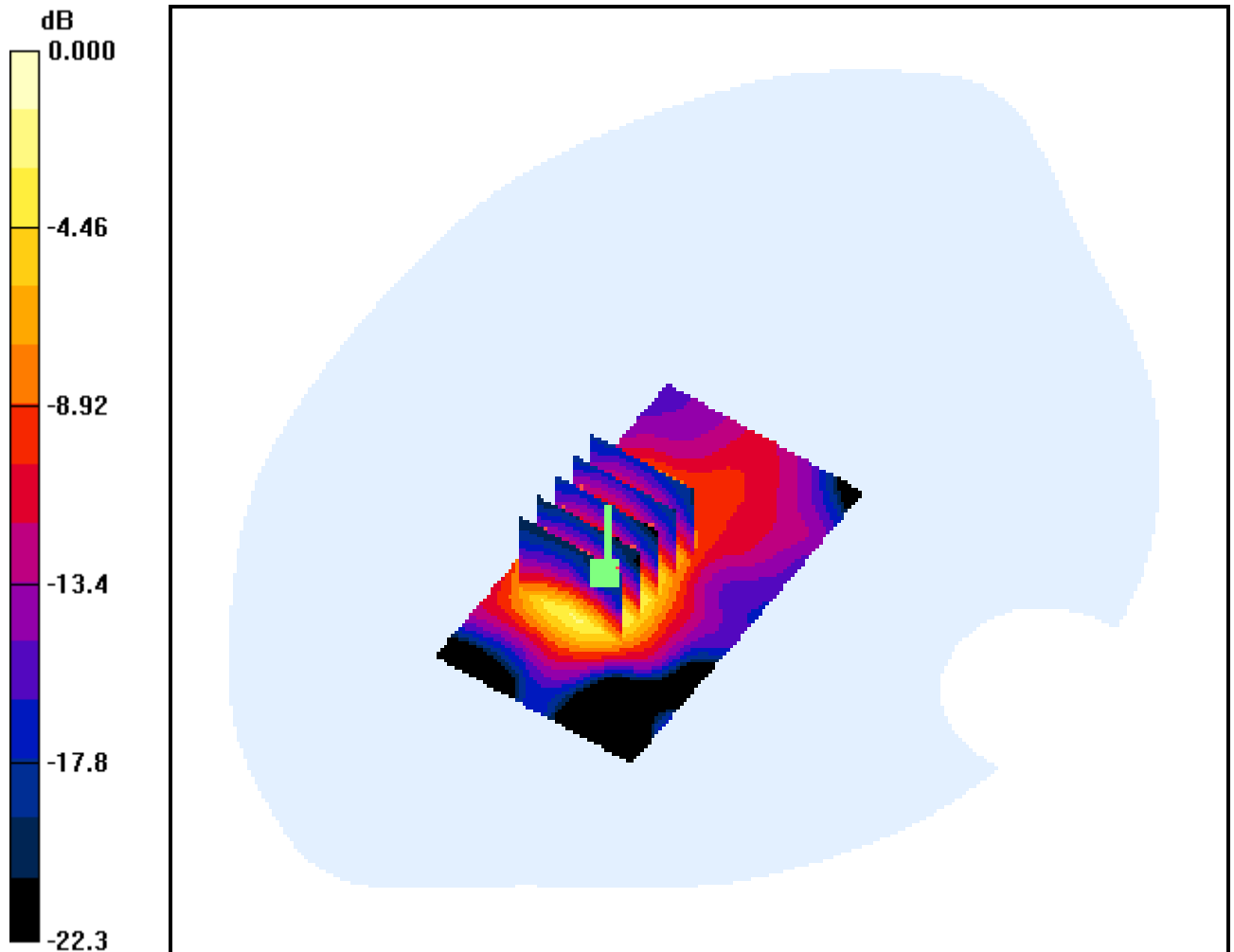
Mode : Bandwith 5M, QPSK, Horizontal_Down

Area Scan (41x71x1): Measurement grid: dx=15mm, dy=15mm

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

Reference Value = 3.59 V/m; Power Drift = -0.083 dB

Peak SAR (extrapolated) = 0.502 W/kg

SAR(1 g) = 0.242 mW/g; SAR(10 g) = 0.115 mW/g

0 dB = 0.324mW/g

DIGITAL EMC CO., LTD

DUT: SWU-3120; Type: USB Modem

Communication System: FCC_Wimax; Frequency: 2593 MHz;Duty Cycle: 1:3.24

Medium parameters used: f = 2593 MHz; σ = 2.14 mho/m; ε_r = 51.2; ρ = 1000 kg/m^3

Phantom section: Flat Section

DASY4 Configuration:

Probe: EX3DV4 - SN3643; ConvF(6.95, 6.95, 6.95); Calibrated: 2008-06-23; Electronics: DAE3 Sn520
Phantom: SAM 1800/1900 MHz; Type: SAM; Serial: TP-1224
Measurement SW: DASY4, V4.7 Build 55; Postprocessing SW: SEMCAD, V1.8 Build 176

Test Date: 2008-11-07; Ambient Temp: 21.0; Tissue Temp: 20.5

5mm from Body, WiMAX Ch.Mid, Ant Internal
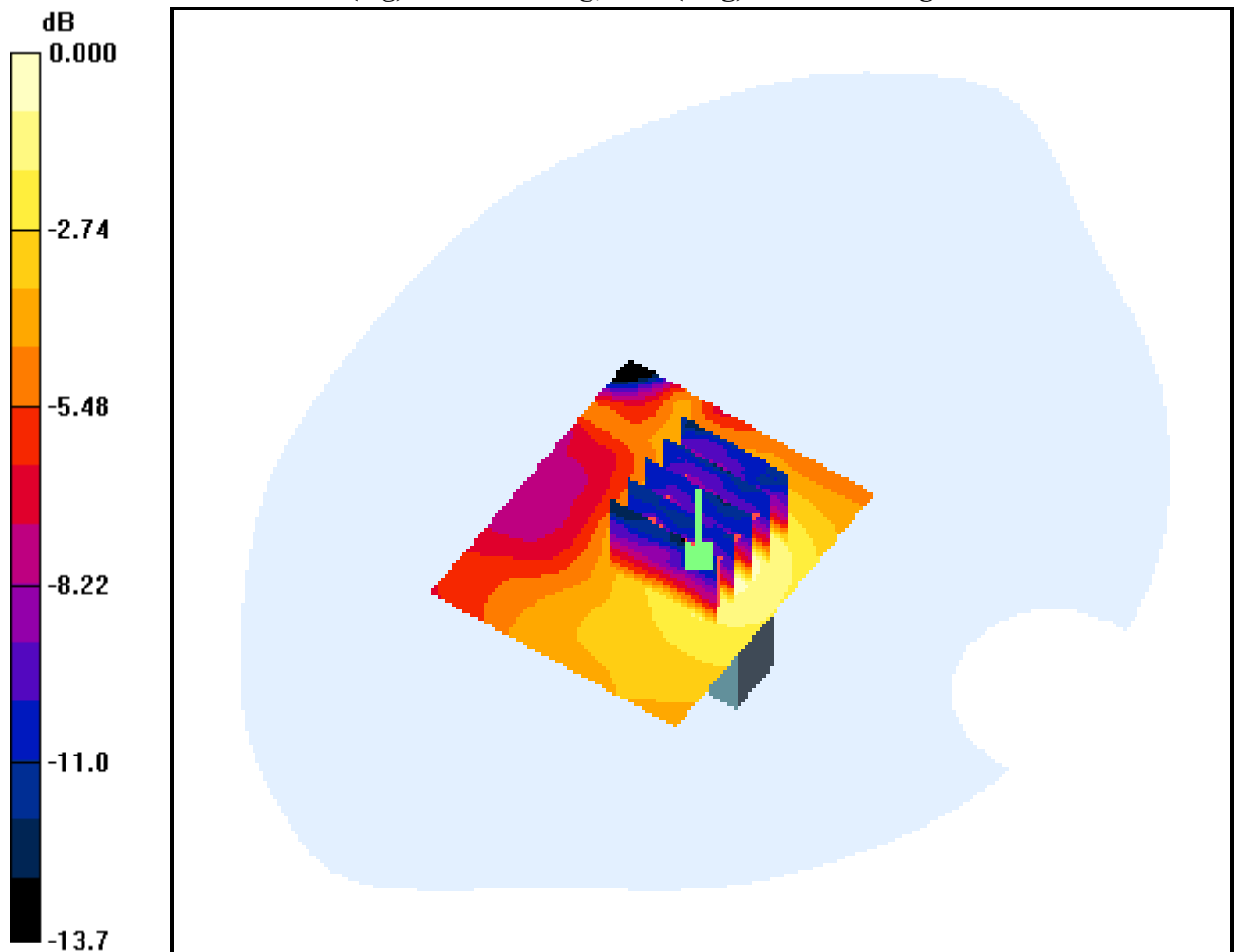
Mode : Bandwith 5M, QPSK, Horizontal_Up 90'

Area Scan (51x61x1): Measurement grid: dx=15mm, dy=15mm
Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 4.17 V/m; Power Drift = -0.104 dB
Peak SAR (extrapolated) = 0.076 W/kg
SAR(1 g) = 0.039 mW/g; SAR(10 g) = 0.021 mW/g

0 dB = 0.052mW/g

DIGITAL EMC CO., LTD

DUT: SWU-3120; Type: USB Modem

Communication System: FCC_Wimax; Frequency: 2593 MHz;Duty Cycle: 1:3.24
Medium parameters used: f = 2593 MHz; σ = 2.14 mho/m; ε_r = 51.2; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY4 Configuration:
Probe: EX3DV4 - SN3643; ConvF(6.95, 6.95, 6.95); Calibrated: 2008-06-23; Electronics: DAE3 Sn520
Phantom: SAM 1800/1900 MHz; Type: SAM; Serial: TP-1224
Measurement SW: DASY4, V4.7 Build 55; Postprocessing SW: SEMCAD, V1.8 Build 176

Test Date: 2008-11-07; Ambient Temp: 21.0; Tissue Temp: 20.5

5mm from Body, WiMAX Ch.Mid, Ant Internal
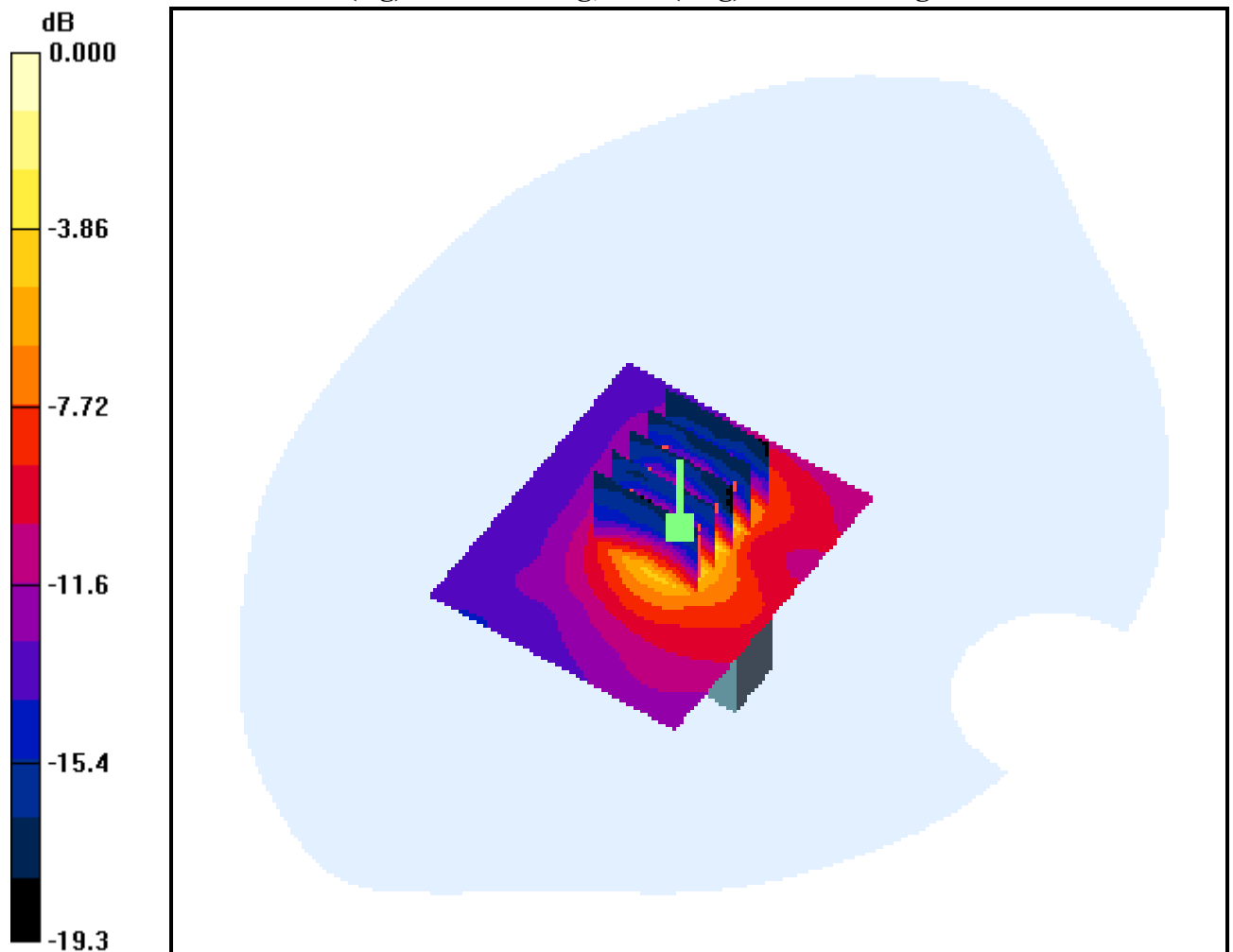
Mode : Bandwith 5M, QPSK, Horizontal_Down 90'

Area Scan (51x61x1): Measurement grid: dx=15mm, dy=15mm
Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 8.02 V/m; Power Drift = -0.159 dB
Peak SAR (extrapolated) = 0.358 W/kg
SAR(1 g) = 0.166 mW/g; SAR(10 g) = 0.073 mW/g

0 dB = 0.236mW/g

DIGITAL EMC CO., LTD

DUT: SWU-3120; Type: USB Modem

Communication System: FCC_Wimax; Frequency: 2506 MHz;Duty Cycle: 1:3.24
Medium parameters used: f = 2506 MHz; σ = 2.05 mho/m; ε_r = 51.5; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY4 Configuration:
Probe: EX3DV4 - SN3643; ConvF(6.95, 6.95, 6.95); Calibrated: 2008-06-23; Electronics: DAE3 Sn520
Phantom: SAM 1800/1900 MHz; Type: SAM; Serial: TP-1224
Measurement SW: DASY4, V4.7 Build 55; Postprocessing SW: SEMCAD, V1.8 Build 176

Test Date: 2008-11-07; Ambient Temp: 21.0; Tissue Temp: 20.5

5mm from Body, WiMAX Ch.Low, Ant Internal
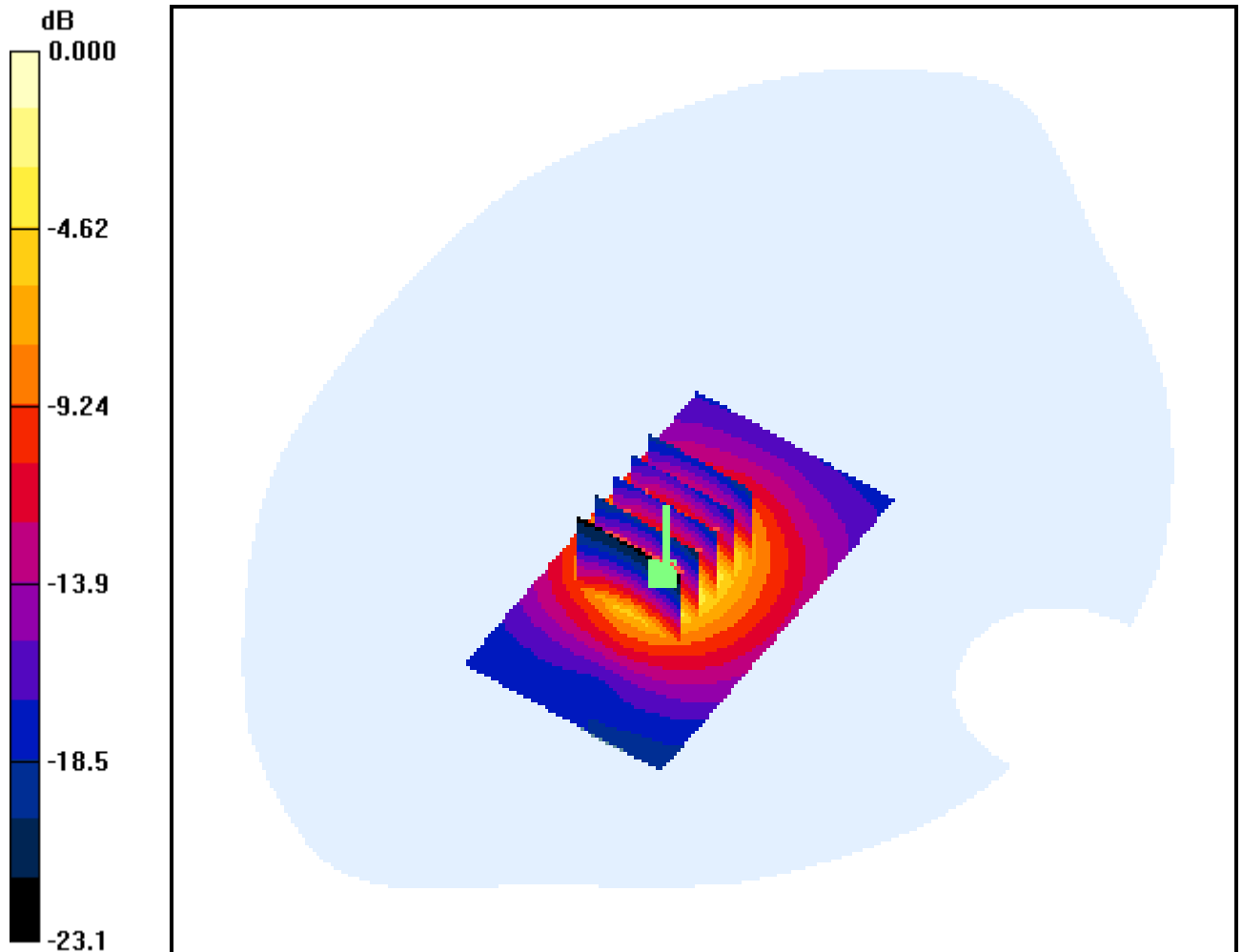
Mode : Bandwith 5M, QPSK, Vertical_Right

Area Scan (41x71x1): Measurement grid: dx=15mm, dy=15mm
Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 8.63 V/m; Power Drift = -0.184 dB
Peak SAR (extrapolated) = 1.29 W/kg
SAR(1 g) = 0.623 mW/g; SAR(10 g) = 0.292 mW/g

0 dB = 0.874mW/g

DIGITAL EMC CO., LTD

DUT: SWU-3120; Type: USB Modem

Communication System: FCC_Wimax; Frequency: 2593 MHz;Duty Cycle: 1:3.24
Medium parameters used: f = 2593 MHz; σ = 2.14 mho/m; ε_r = 51.2; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY4 Configuration:
Probe: EX3DV4 - SN3643; ConvF(6.95, 6.95, 6.95); Calibrated: 2008-06-23; Electronics: DAE3 Sn520
Phantom: SAM 1800/1900 MHz; Type: SAM; Serial: TP-1224
Measurement SW: DASY4, V4.7 Build 55; Postprocessing SW: SEMCAD, V1.8 Build 176

Test Date: 2008-11-07; Ambient Temp: 21.0; Tissue Temp: 20.5

5mm from Body, WiMAX Ch.Mid, Ant Internal
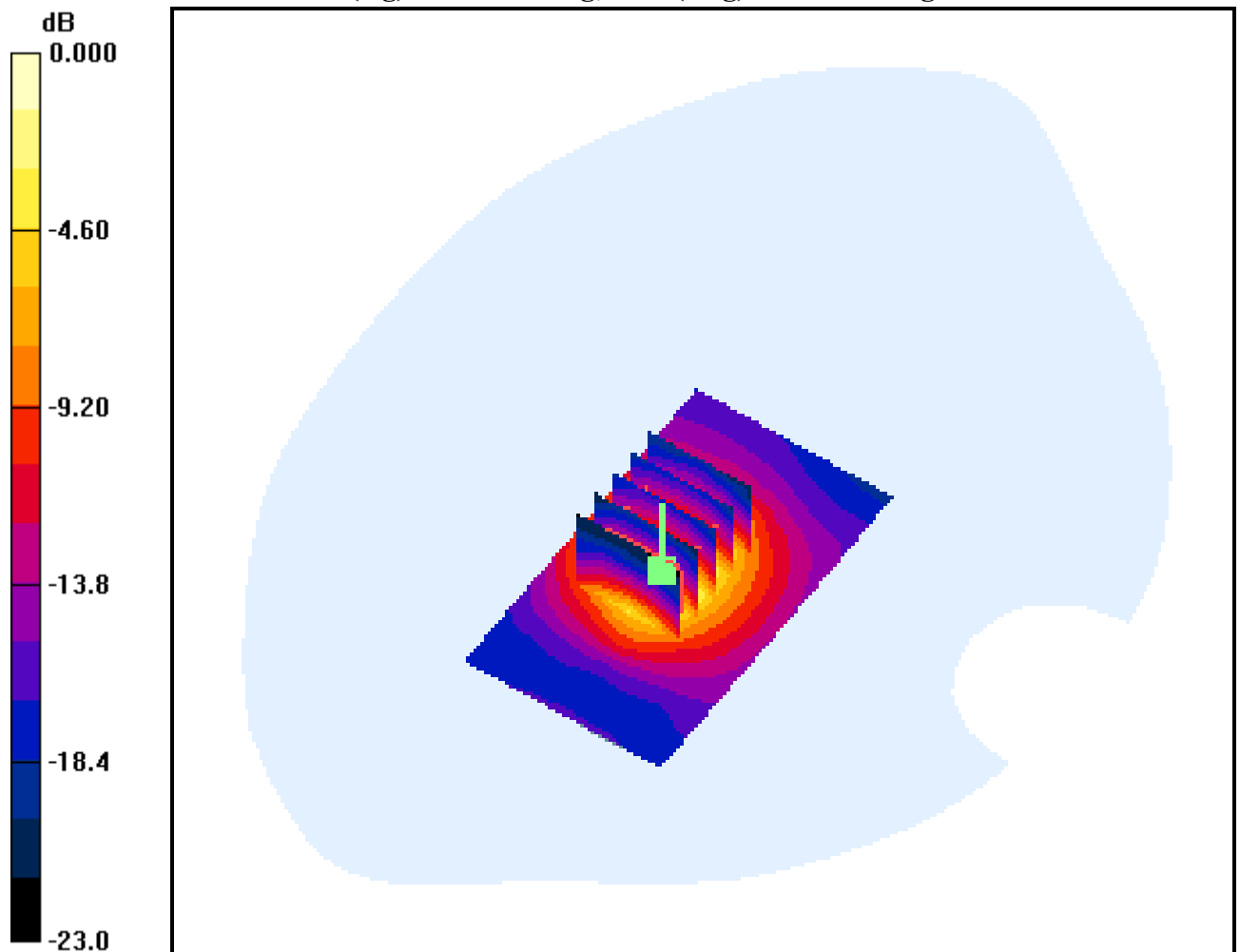
Mode : Bandwith 5M, QPSK, Vertical_Right

Area Scan (41x71x1): Measurement grid: dx=15mm, dy=15mm
Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 5.81 V/m; Power Drift = -0.209 dB
Peak SAR (extrapolated) = 0.813 W/kg
SAR(1 g) = 0.382 mW/g; SAR(10 g) = 0.174 mW/g

0 dB = 0.544mW/g

DIGITAL EMC CO., LTD

DUT: SWU-3120; Type: USB Modem

Communication System: FCC_Wimax; Frequency: 2685 MHz; Duty Cycle: 1:3.24

Medium parameters used: f = 2685 MHz; σ = 2.26 mho/m; ε_r = 50.9; ρ = 1000 kg/m^3

Phantom section: Flat Section

DASY4 Configuration:

Probe: EX3DV4 - SN3643; ConvF(6.95, 6.95, 6.95); Calibrated: 2008-06-23; Electronics: DAE3 Sn520

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

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

Test Date: 2008-11-07; Ambient Temp: 21.0; Tissue Temp: 20.5

5mm from Body, WiMAX Ch.High, Ant Internal

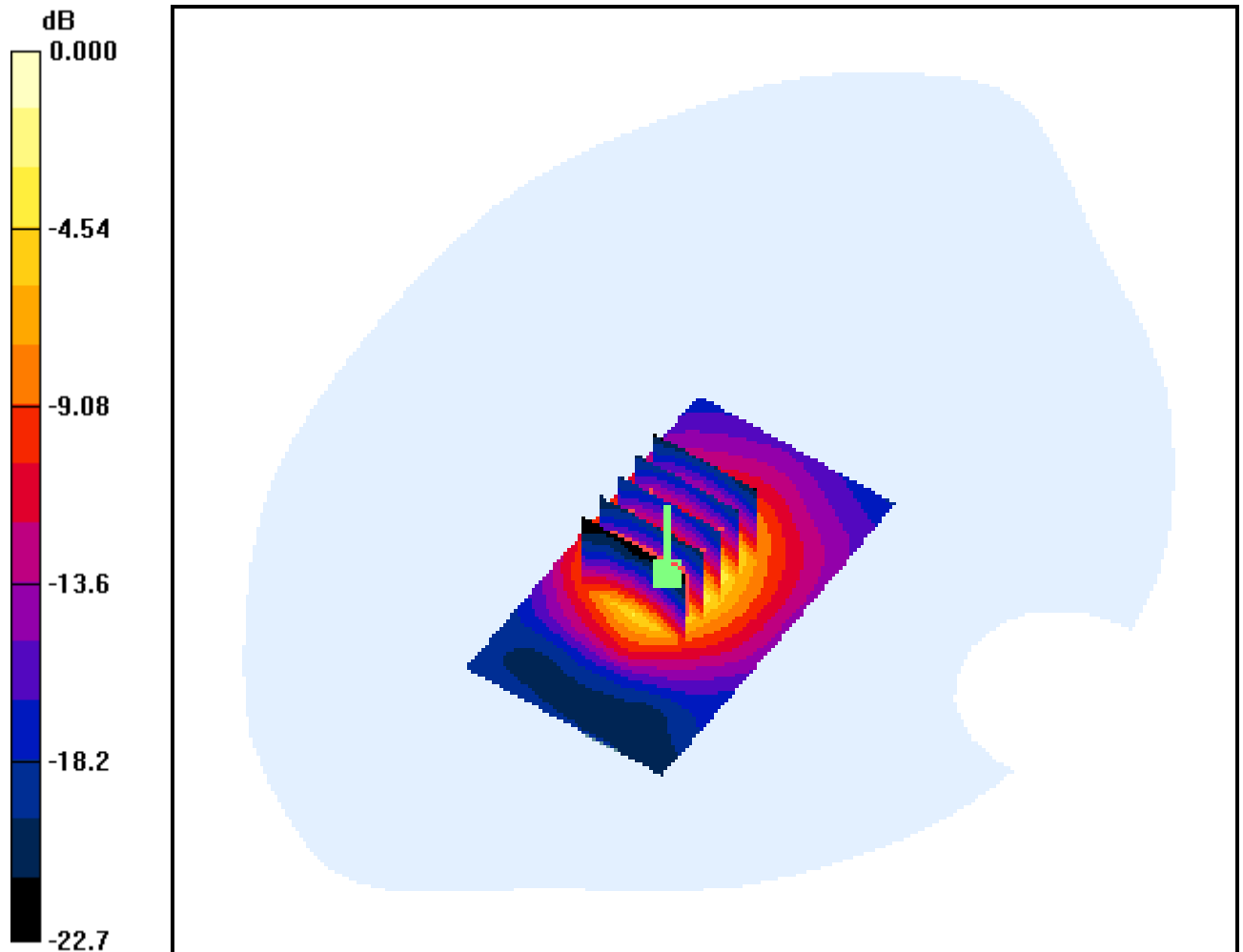**Mode : Bandwith 5M, QPSK, Vertical_Right**

Area Scan (41x71x1): Measurement grid: dx=15mm, dy=15mm

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

Reference Value = 9.28 V/m; Power Drift = -0.258 dB

Peak SAR (extrapolated) = 1.39 W/kg

SAR(1 g) = 0.640 mW/g; SAR(10 g) = 0.290 mW/g

0 dB = 0.913mW/g

DIGITAL EMC CO., LTD

DUT: SWU-3120; Type: USB Modem

Communication System: FCC_Wimax; Frequency: 2593 MHz;Duty Cycle: 1:3.24

Medium parameters used: f = 2593 MHz; σ = 2.14 mho/m; ε_r = 51.2; ρ = 1000 kg/m^3

Phantom section: Flat Section

DASY4 Configuration:

Probe: EX3DV4 - SN3643; ConvF(6.95, 6.95, 6.95); Calibrated: 2008-06-23; Electronics: DAE3 Sn520
Phantom: SAM 1800/1900 MHz; Type: SAM; Serial: TP-1224
Measurement SW: DASY4, V4.7 Build 55; Postprocessing SW: SEMCAD, V1.8 Build 176

Test Date: 2008-11-07; Ambient Temp: 21.0; Tissue Temp: 20.5

5mm from Body, WiMAX Ch.Mid, Ant Internal
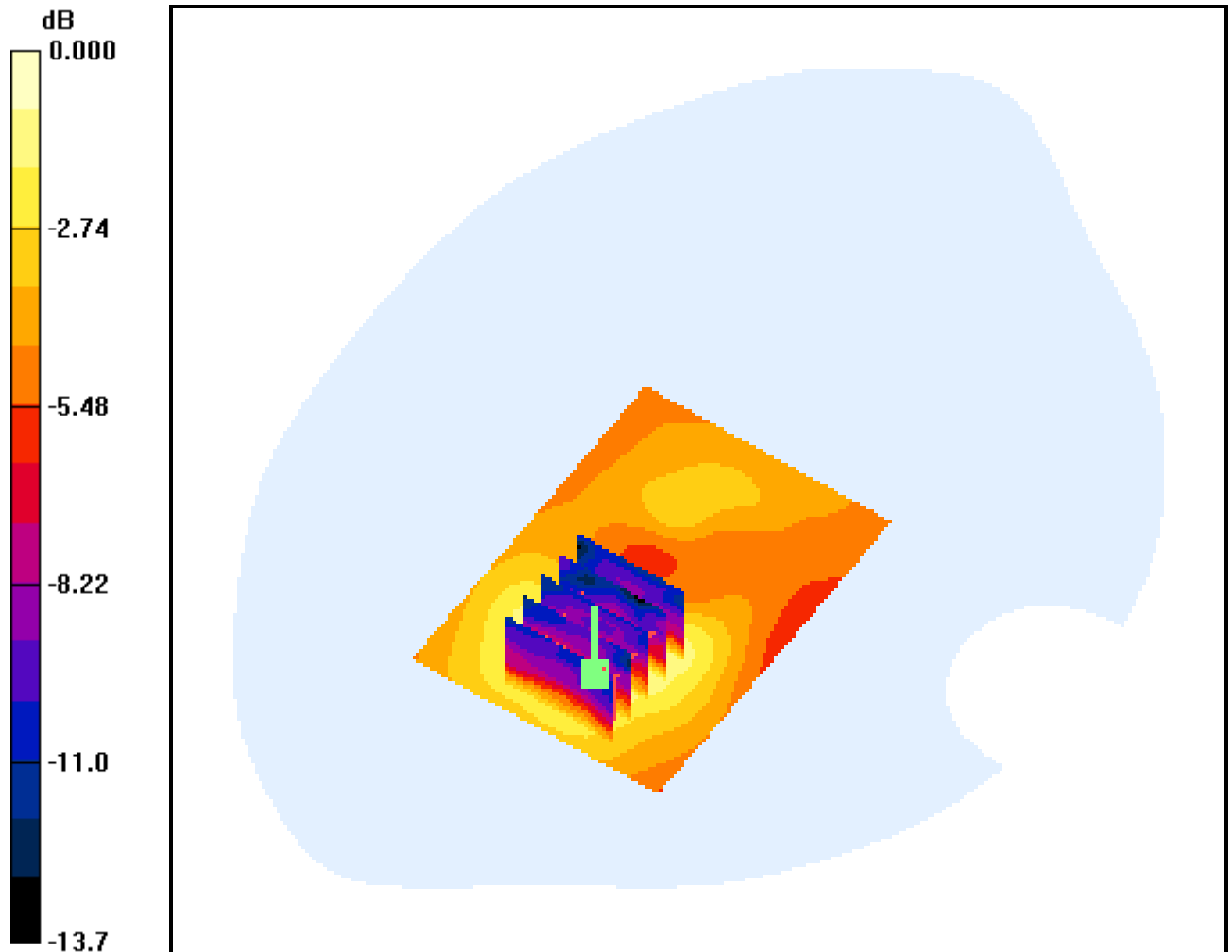
Mode : Bandwith 5M, QPSK, Vertical_Left

Area Scan (51x71x1): Measurement grid: dx=15mm, dy=15mm
Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 2.78 V/m; Power Drift = 0.037 dB
Peak SAR (extrapolated) = 0.053 W/kg
SAR(1 g) = 0.026 mW/g; SAR(10 g) = 0.013 mW/g

0 dB = 0.035mW/g

DIGITAL EMC CO., LTD

DUT: SWU-3120; Type: USB Modem

Communication System: FCC_Wimax; Frequency: 2593 MHz;Duty Cycle: 1:3.24

Medium parameters used: f = 2593 MHz; σ = 2.16 mho/m; ε_r = 51.7; ρ = 1000 kg/m^3

Phantom section: Flat Section

DASY4 Configuration:

Probe: EX3DV4 - SN3643; ConvF(6.95, 6.95, 6.95); Calibrated: 2008-06-23; 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: 2009-03-06; Ambient Temp: 22.0; Tissue Temp: 21.4

4mm from Body, WiMAX Ch.Mid, Ant Internal

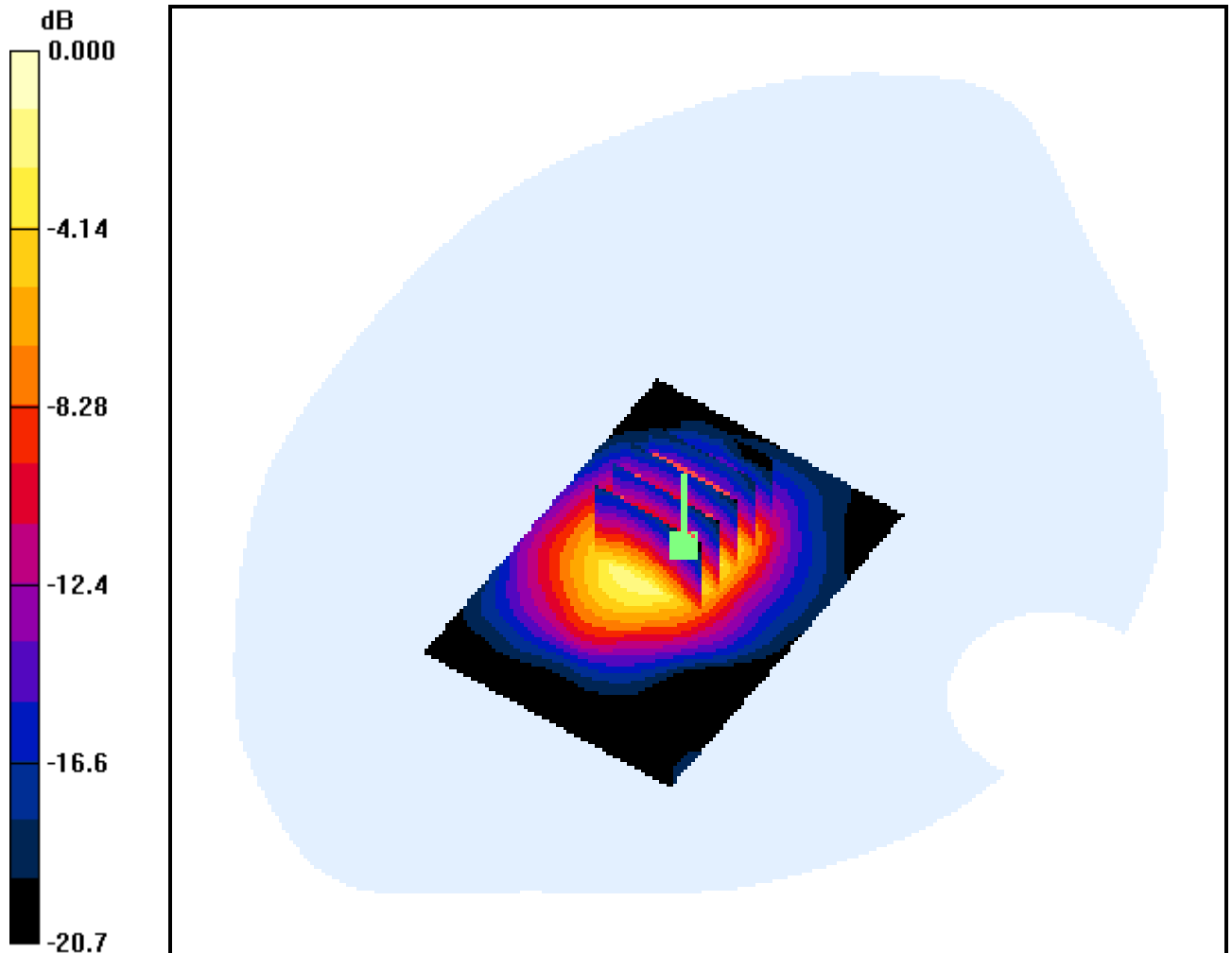**Mode : Bandwith 10M, 16QAM, Horizontal_Up**

Area Scan (51x71x1): Measurement grid: dx=15mm, dy=15mm

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

Reference Value = 7.63 V/m; Power Drift = 0.299 dB

Peak SAR (extrapolated) = 0.663 W/kg

SAR(1 g) = 0.318 mW/g; SAR(10 g) = 0.154 mW/g

0 dB = 0.434mW/g

DIGITAL EMC CO., LTD

DUT: SWU-3120; Type: USB Modem

Communication System: FCC_Wimax; Frequency: 2593 MHz;Duty Cycle: 1:3.24
Medium parameters used: f = 2593 MHz; σ = 2.17 mho/m; ε_r = 51.7; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY4 Configuration:
Probe: EX3DV4 - SN3643; ConvF(6.95, 6.95, 6.95); Calibrated: 2008-06-23; Electronics: DAE3 Sn520
Phantom: SAM 1800/1900 MHz; Type: SAM; Serial: TP-1224
Measurement SW: DASY4, V4.7 Build 55; Postprocessing SW: SEMCAD, V1.8 Build 176

Test Date: 2008-11-06; Ambient Temp: 21.0; Tissue Temp: 20.8

5mm from Body, WiMAX Ch.Mid, Ant Internal
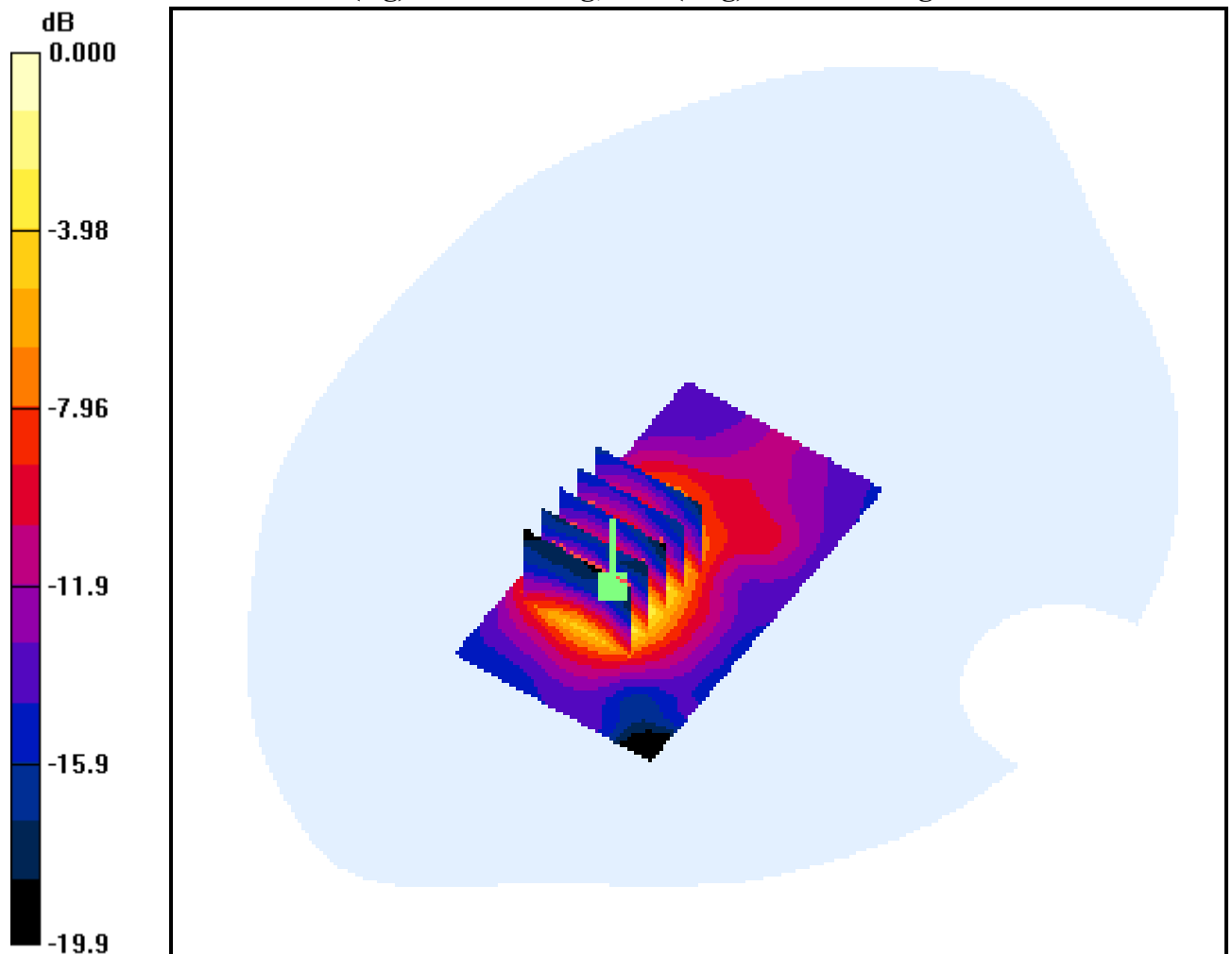
Mode : Bandwith 10M, 16QAM, Horizontal_Down

Area Scan (41x71x1): Measurement grid: dx=15mm, dy=15mm
Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 3.60 V/m; Power Drift = -0.023 dB
Peak SAR (extrapolated) = 0.442 W/kg
SAR(1 g) = 0.226 mW/g; SAR(10 g) = 0.112 mW/g

dB
0.000
-3.98
-7.96
-11.9
-15.9
-19.9

0 dB = 0.306mW/g

DIGITAL EMC CO., LTD

DUT: SWU-3120; Type: USB Modem

Communication System: FCC_Wimax; Frequency: 2593 MHz;Duty Cycle: 1:3.24
Medium parameters used: f = 2593 MHz; σ = 2.17 mho/m; ε_r = 51.7; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY4 Configuration:
Probe: EX3DV4 - SN3643; ConvF(6.95, 6.95, 6.95); Calibrated: 2008-06-23; Electronics: DAE3 Sn520
Phantom: SAM 1800/1900 MHz; Type: SAM; Serial: TP-1224
Measurement SW: DASY4, V4.7 Build 55; Postprocessing SW: SEMCAD, V1.8 Build 176

Test Date: 2008-11-06; Ambient Temp: 21.0; Tissue Temp: 20.8

5mm from Body, WiMAX Ch.Mid, Ant Internal
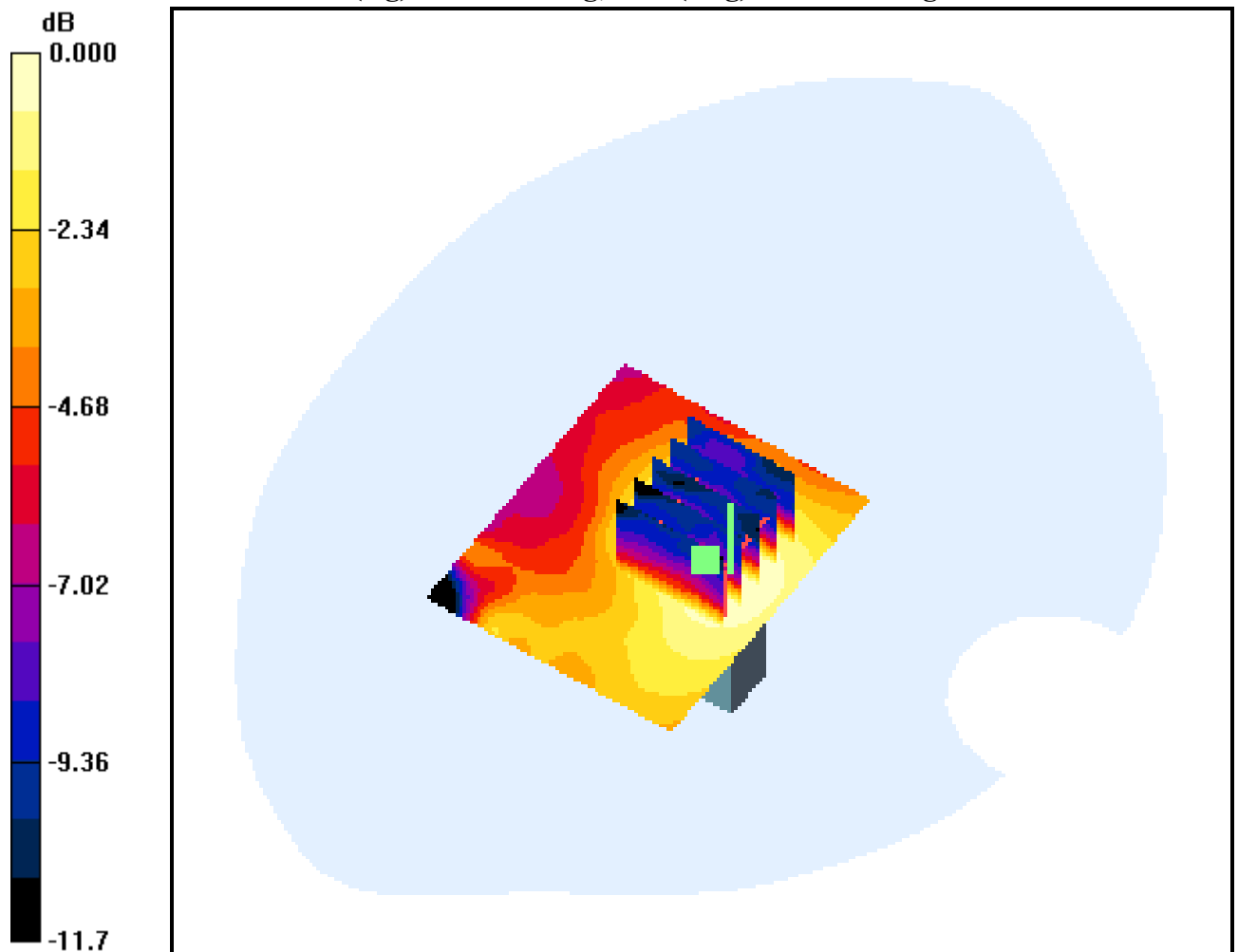
Mode : Bandwith 10M, 16QAM, Horizontal_Up 90'

Area Scan (51x61x1): Measurement grid: dx=15mm, dy=15mm
Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 4.27 V/m; Power Drift = -0.234 dB
Peak SAR (extrapolated) = 0.065 W/kg
SAR(1 g) = 0.034 mW/g; SAR(10 g) = 0.020 mW/g

dB
0.000
-2.34
-4.68
-7.02
-9.36
-11.7

0 dB = 0.044mW/g

DIGITAL EMC CO., LTD

DUT: SWU-3120; Type: USB Modem

Communication System: FCC_Wimax; Frequency: 2593 MHz;Duty Cycle: 1:3.24

Medium parameters used: f = 2593 MHz; σ = 2.17 mho/m; ε_r = 51.7; ρ = 1000 kg/m^3

Phantom section: Flat Section

DASY4 Configuration:

Probe: EX3DV4 - SN3643; ConvF(6.95, 6.95, 6.95); Calibrated: 2008-06-23; Electronics: DAE3 Sn520

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

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

Test Date: 2008-11-06; Ambient Temp: 21.0; Tissue Temp: 20.8

5mm from Body, WiMAX Ch.Mid, Ant Internal

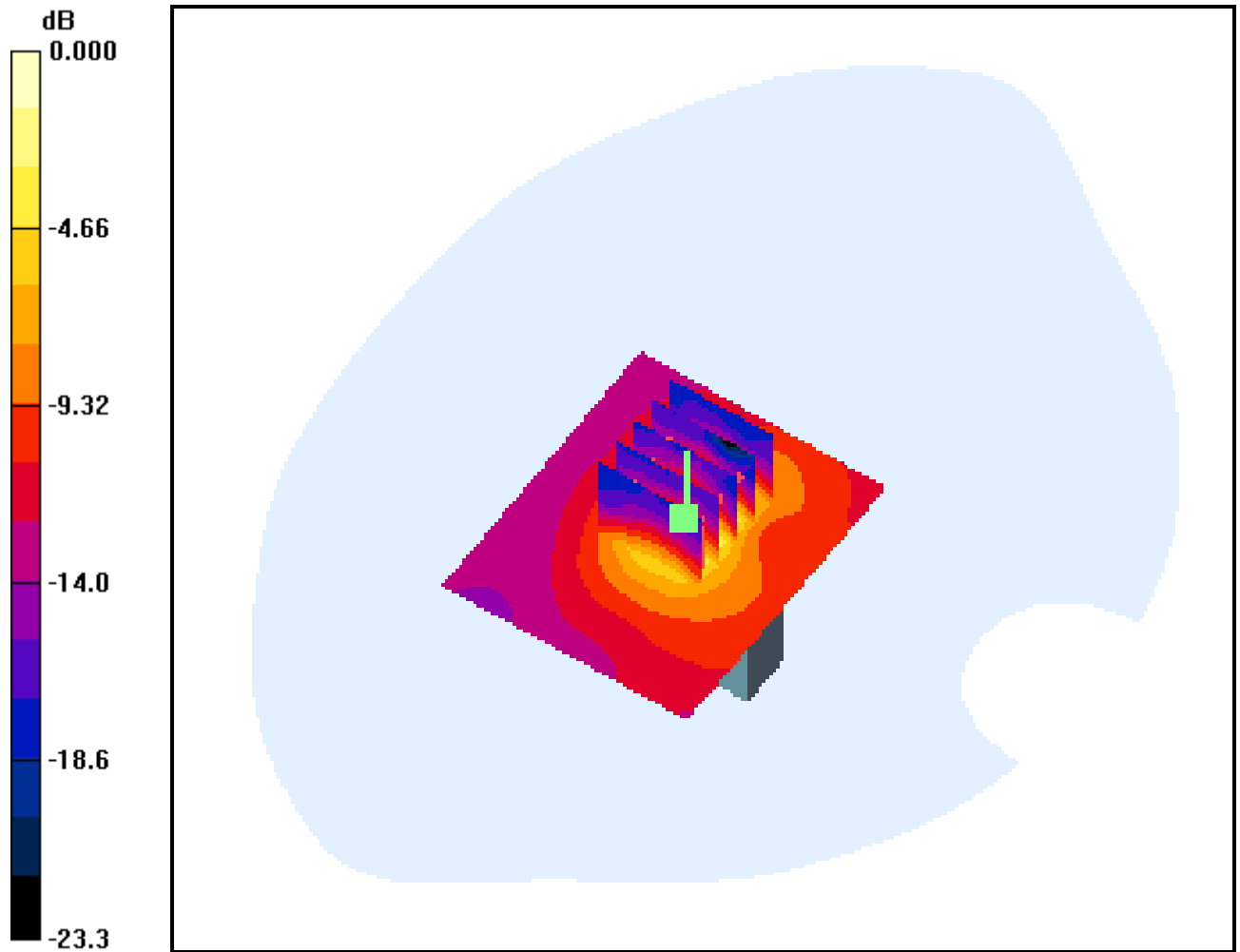**Mode : Bandwith 10M, 16QAM, Horizontal_Down 90'**

Area Scan (51x61x1): Measurement grid: dx=15mm, dy=15mm

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

Reference Value = 7.34 V/m; Power Drift = 0.126 dB

Peak SAR (extrapolated) = 0.375 W/kg

SAR(1 g) = 0.173 mW/g; SAR(10 g) = 0.076 mW/g

0 dB = 0.249mW/g

DIGITAL EMC CO., LTD

DUT: SWU-3120; Type: USB Modem

Communication System: FCC_Wimax; Frequency: 2593 MHz;Duty Cycle: 1:3.24
Medium parameters used: f = 2593 MHz; σ = 2.17 mho/m; ε_r = 51.7; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY4 Configuration:
Probe: EX3DV4 - SN3643; ConvF(6.95, 6.95, 6.95); Calibrated: 2008-06-23; Electronics: DAE3 Sn520
Phantom: SAM 1800/1900 MHz; Type: SAM; Serial: TP-1224
Measurement SW: DASY4, V4.7 Build 55; Postprocessing SW: SEMCAD, V1.8 Build 176

Test Date: 2008-11-06; Ambient Temp: 21.0; Tissue Temp: 20.8

5mm from Body, WiMAX Ch.Mid, Ant Internal
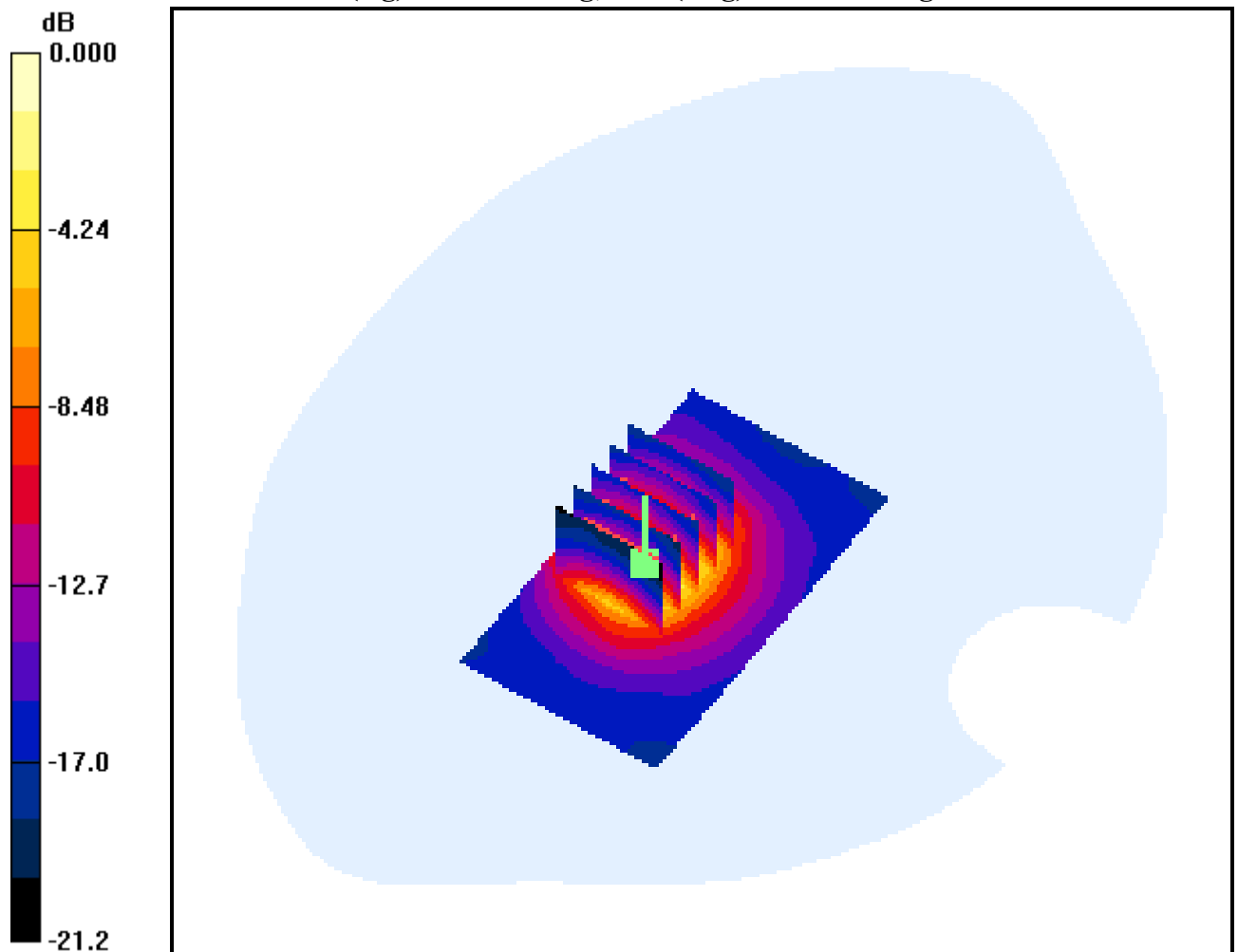
Mode : Bandwith 10M, 16QAM, Vertical_Right

Area Scan (41x71x1): Measurement grid: dx=15mm, dy=15mm
Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 5.66 V/m; Power Drift = -0.222 dB
Peak SAR (extrapolated) = 0.814 W/kg
SAR(1 g) = 0.400 mW/g; SAR(10 g) = 0.185 mW/g

dB
0.000
-4.24
-8.48
-12.7
-17.0
-21.2

0 dB = 0.557mW/g

DIGITAL EMC CO., LTD

DUT: SWU-3120; Type: USB Modem

Communication System: FCC_Wimax; Frequency: 2593 MHz;Duty Cycle: 1:3.24

Medium parameters used: f = 2593 MHz; σ = 2.17 mho/m; ε_r = 51.7; ρ = 1000 kg/m^3

Phantom section: Flat Section

DASY4 Configuration:

Probe: EX3DV4 - SN3643; ConvF(6.95, 6.95, 6.95); Calibrated: 2008-06-23; Electronics: DAE3 Sn520

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

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

Test Date: 2008-11-06; Ambient Temp: 21.0; Tissue Temp: 20.8

5mm from Body, WiMAX Ch.Mid, Ant Internal
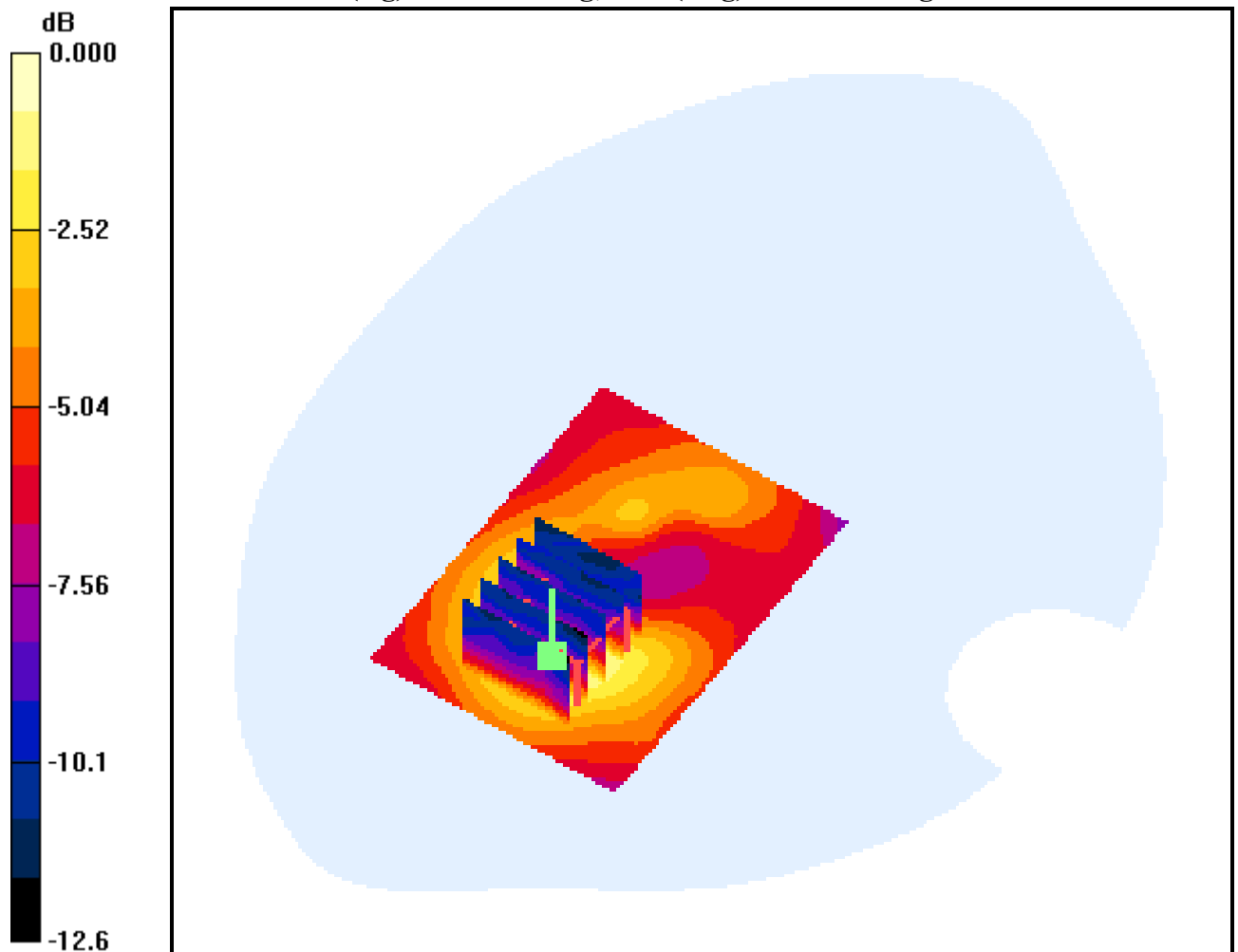
Mode : Bandwith 10M, 16QAM, Vertical_Left

Area Scan (51x71x1): Measurement grid: dx=15mm, dy=15mm

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

Reference Value = 2.93 V/m; Power Drift = -0.378 dB

Peak SAR (extrapolated) = 0.075 W/kg

SAR(1 g) = 0.039 mW/g; SAR(10 g) = 0.021 mW/g

0 dB = 0.052mW/g

DIGITAL EMC CO., LTD

DUT: SWU-3120; Type: USB Modem

Communication System: FCC_Wimax; Frequency: 2593 MHz;Duty Cycle: 1:3.24

Medium parameters used: f = 2593 MHz; σ = 2.16 mho/m; ε_r = 51.7; ρ = 1000 kg/m^3

Phantom section: Flat Section

DASY4 Configuration:

Probe: EX3DV4 - SN3643; ConvF(6.95, 6.95, 6.95); Calibrated: 2008-06-23; 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: 2009-03-06; Ambient Temp: 22.0; Tissue Temp: 21.4

4mm from Body, WiMAX Ch.Mid, Ant Internal
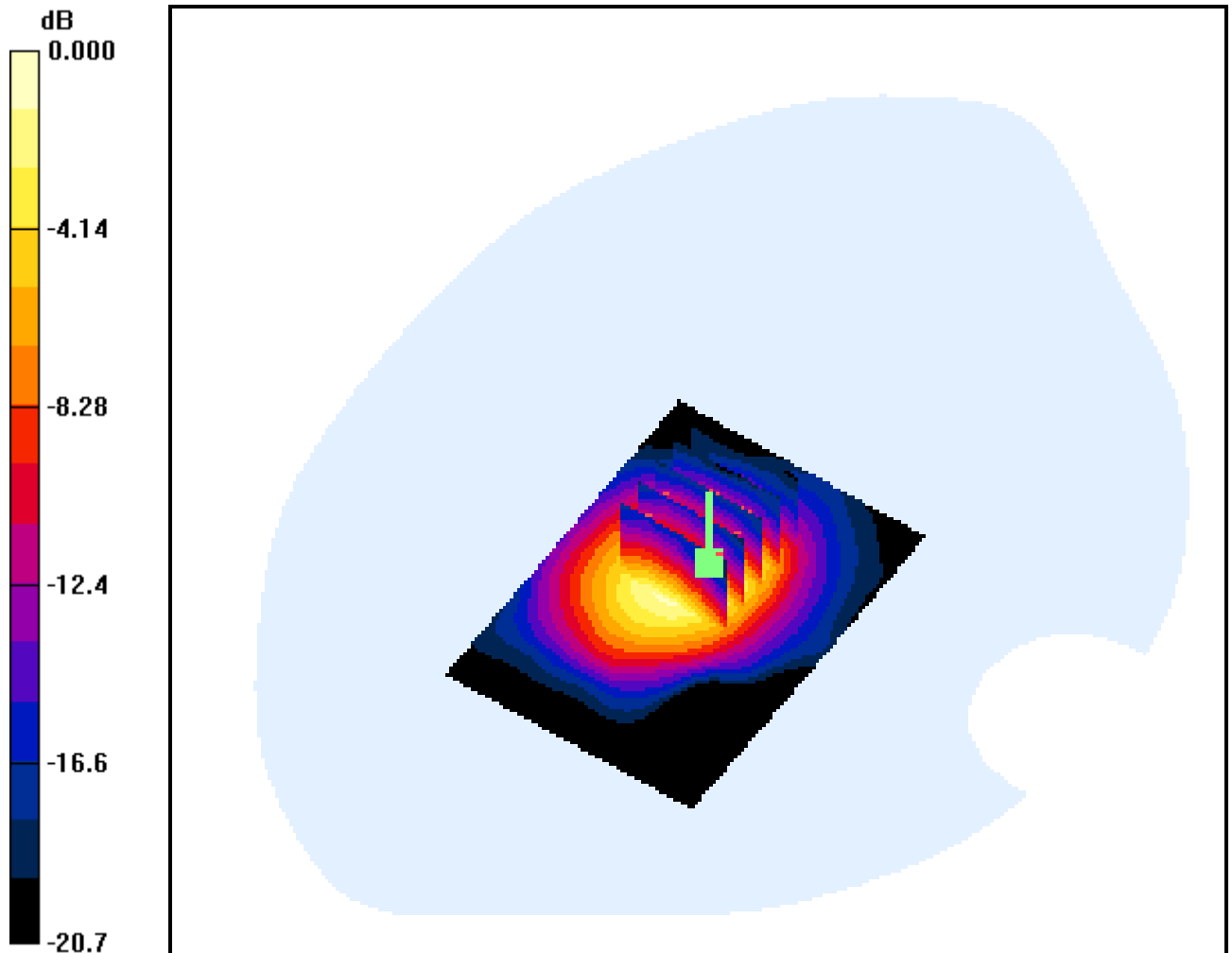
Mode : Bandwith 10M, QPSK, Horizontal_Up

Area Scan (51x71x1): Measurement grid: dx=15mm, dy=15mm
Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 8.29 V/m; Power Drift = 0.126 dB
Peak SAR (extrapolated) = 0.662 W/kg
SAR(1 g) = 0.319 mW/g; SAR(10 g) = 0.155 mW/g

0 dB = 0.422mW/g

DIGITAL EMC CO., LTD

DUT: SWU-3120; Type: USB Modem

Communication System: FCC_Wimax; Frequency: 2593 MHz;Duty Cycle: 1:3.24
Medium parameters used: f = 2593 MHz; σ = 2.17 mho/m; $ε_r$ = 51.7; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY4 Configuration:
Probe: EX3DV4 - SN3643; ConvF(6.95, 6.95, 6.95); Calibrated: 2008-06-23; Electronics: DAE3 Sn520
Phantom: SAM 1800/1900 MHz; Type: SAM; Serial: TP-1224
Measurement SW: DASY4, V4.7 Build 55; Postprocessing SW: SEMCAD, V1.8 Build 176

Test Date: 2008-11-06; Ambient Temp: 21.0; Tissue Temp: 20.8

5mm from Body, WiMAX Ch.Mid, Ant Internal

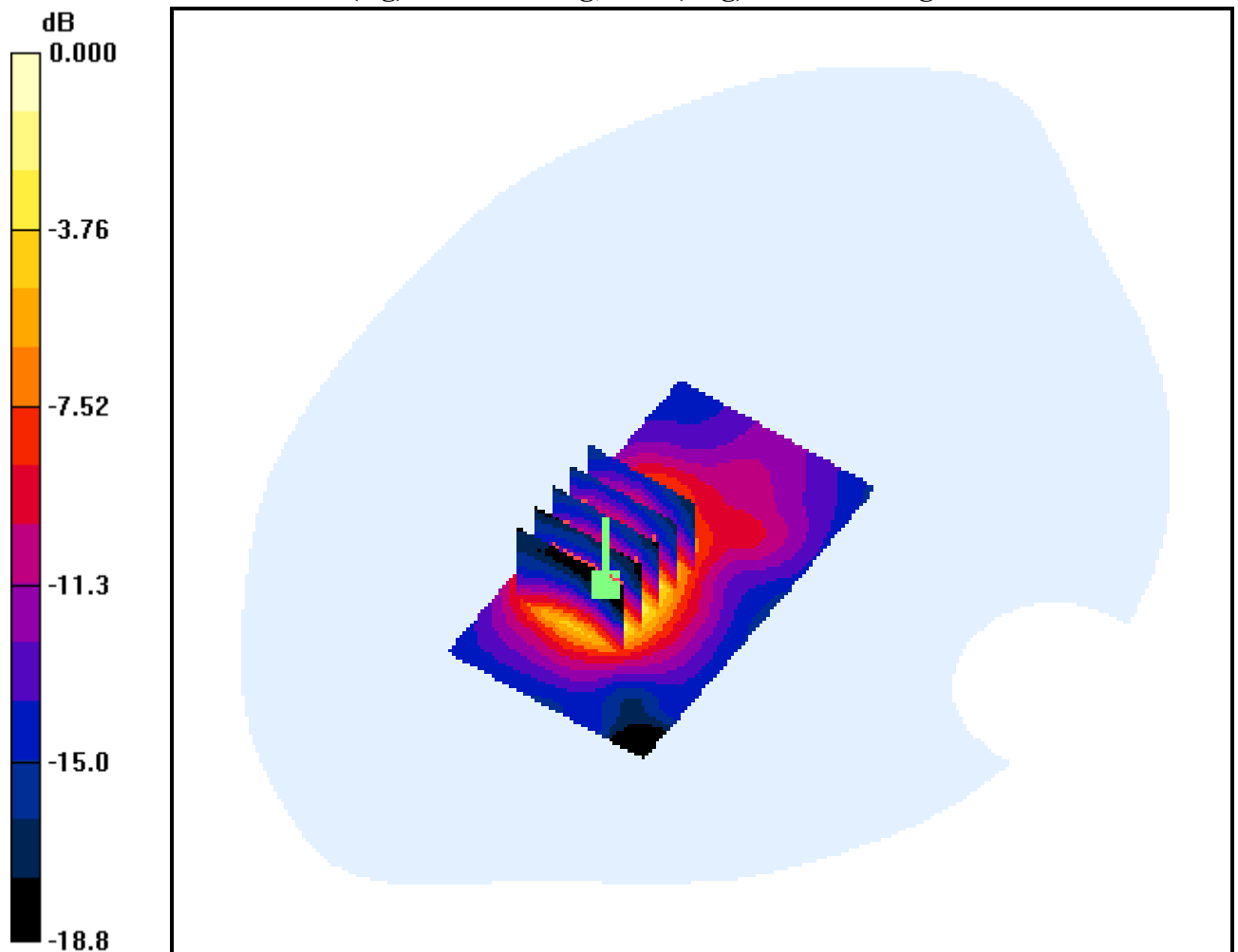**Mode : Bandwith 10M, QPSK, Horizontal_Down**

Area Scan (41x71x1): Measurement grid: dx=15mm, dy=15mm
Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 3.47 V/m; Power Drift = 0.041 dB
Peak SAR (extrapolated) = 0.444 W/kg
SAR(1 g) = 0.224 mW/g; SAR(10 g) = 0.111 mW/g

0 dB = 0.304mW/g

DIGITAL EMC CO., LTD

DUT: SWU-3120; Type: USB Modem

Communication System: FCC_Wimax; Frequency: 2593 MHz;Duty Cycle: 1:3.24

Medium parameters used: f = 2593 MHz; σ = 2.17 mho/m; ε_r = 51.7; ρ = 1000 kg/m^3

Phantom section: Flat Section

DASY4 Configuration:

Probe: EX3DV4 - SN3643; ConvF(6.95, 6.95, 6.95); Calibrated: 2008-06-23; Electronics: DAE3 Sn520
Phantom: SAM 1800/1900 MHz; Type: SAM; Serial: TP-1224
Measurement SW: DASY4, V4.7 Build 55; Postprocessing SW: SEMCAD, V1.8 Build 176

Test Date: 2008-11-06; Ambient Temp: 21.0; Tissue Temp: 20.8

5mm from Body, WiMAX Ch.Mid, Ant Internal
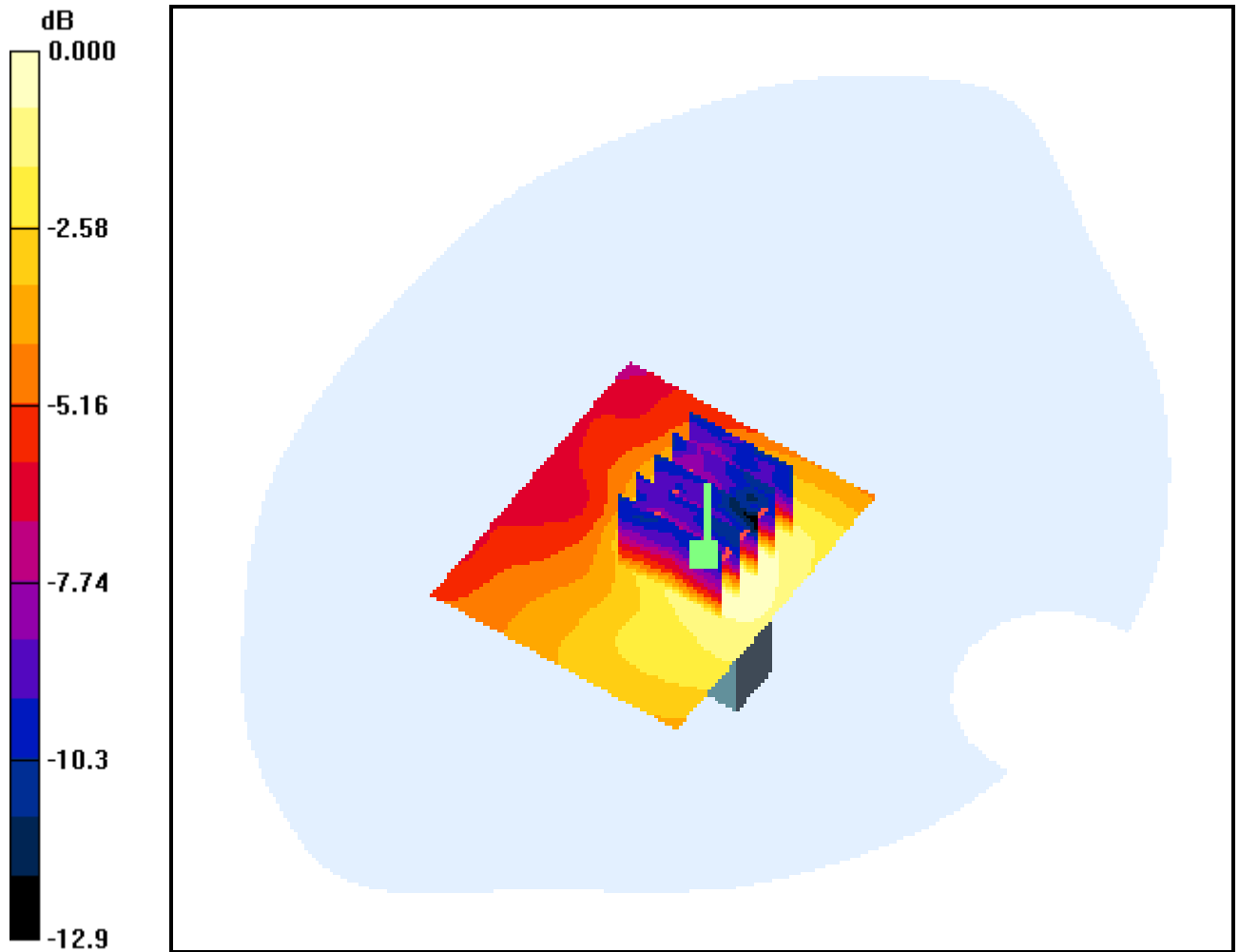
Mode : Bandwith 10M, QPSK, Horizontal_Up 90'

Area Scan (51x61x1): Measurement grid: dx=15mm, dy=15mm
Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 4.23 V/m; Power Drift = -0.287 dB
Peak SAR (extrapolated) = 0.067 W/kg
SAR(1 g) = 0.036 mW/g; SAR(10 g) = 0.020 mW/g

0 dB = 0.046mW/g

DIGITAL EMC CO., LTD

DUT: SWU-3120; Type: USB Modem

Communication System: FCC_Wimax; Frequency: 2593 MHz;Duty Cycle: 1:3.24

Medium parameters used: f = 2593 MHz; σ = 2.17 mho/m; $ε_r$ = 51.7; ρ = 1000 kg/m^3

Phantom section: Flat Section

DASY4 Configuration:

Probe: EX3DV4 - SN3643; ConvF(6.95, 6.95, 6.95); Calibrated: 2008-06-23; Electronics: DAE3 Sn520

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

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

Test Date: 2008-11-06; Ambient Temp: 21.0; Tissue Temp: 20.8

5mm from Body, WiMAX Ch.Mid, Ant Internal
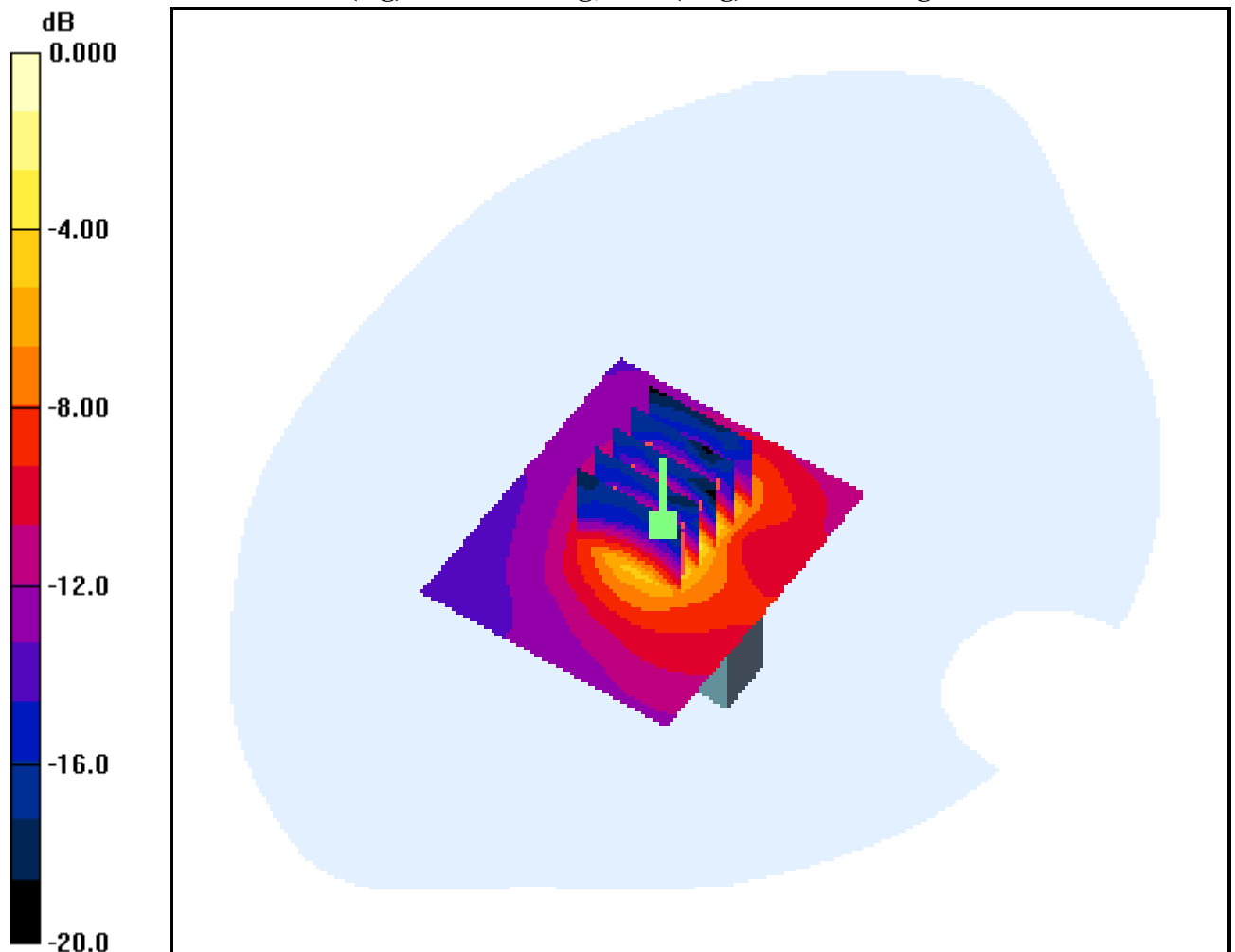
Mode : Bandwith 10M, QPSK, Horizontal_Down 90'

Area Scan (51x61x1): Measurement grid: dx=15mm, dy=15mm

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

Reference Value = 7.25 V/m; Power Drift = -0.058 dB

Peak SAR (extrapolated) = 0.369 W/kg

SAR(1 g) = 0.170 mW/g; SAR(10 g) = 0.075 mW/g

0 dB = 0.243mW/g

DIGITAL EMC CO., LTD

DUT: SWU-3120; Type: USB Modem

Communication System: FCC_Wimax; Frequency: 2506 MHz;Duty Cycle: 1:3.24

Medium parameters used: f = 2506 MHz; σ = 2.07 mho/m; ε_r = 52.2; ρ = 1000 kg/m^3

Phantom section: Flat Section

DASY4 Configuration:

Probe: EX3DV4 - SN3643; ConvF(6.95, 6.95, 6.95); Calibrated: 2008-06-23; Electronics: DAE3 Sn520
Phantom: SAM 1800/1900 MHz; Type: SAM; Serial: TP-1224
Measurement SW: DASY4, V4.7 Build 55; Postprocessing SW: SEMCAD, V1.8 Build 176

Test Date: 2008-11-06; Ambient Temp: 21.0; Tissue Temp: 20.8

5mm from Body, WiMAX Ch.Low, Ant Internal
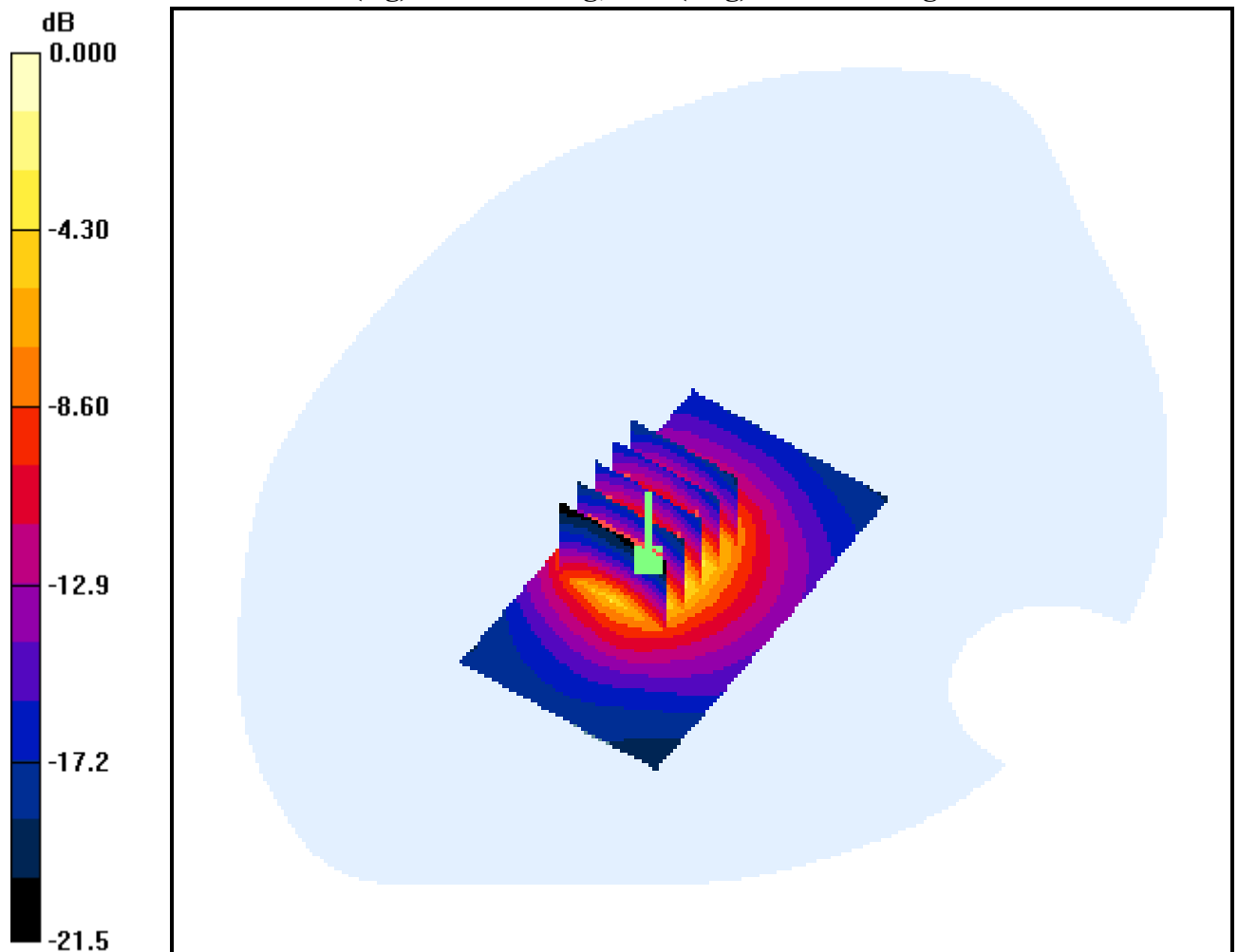
Mode : Bandwith 10M, QPSK, Vertical_Right

Area Scan (41x71x1): Measurement grid: dx=15mm, dy=15mm
Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 8.75 V/m; Power Drift = -0.052 dB
Peak SAR (extrapolated) = 1.39 W/kg
SAR(1 g) = 0.707 mW/g; SAR(10 g) = 0.336 mW/g

0 dB = 0.981mW/g

DIGITAL EMC CO., LTD

DUT: SWU-3120; Type: USB Modem

Communication System: FCC_Wimax; Frequency: 2593 MHz;Duty Cycle: 1:3.24

Medium parameters used: f = 2593 MHz; σ = 2.17 mho/m; $ε_r$ = 51.7; ρ = 1000 kg/m^3

Phantom section: Flat Section

DASY4 Configuration:

Probe: EX3DV4 - SN3643; ConvF(6.95, 6.95, 6.95); Calibrated: 2008-06-23; Electronics: DAE3 Sn520
Phantom: SAM 1800/1900 MHz; Type: SAM; Serial: TP-1224
Measurement SW: DASY4, V4.7 Build 55; Postprocessing SW: SEMCAD, V1.8 Build 176

Test Date: 2008-11-06; Ambient Temp: 21.0; Tissue Temp: 20.8

5mm from Body, WiMAX Ch.Mid, Ant Internal

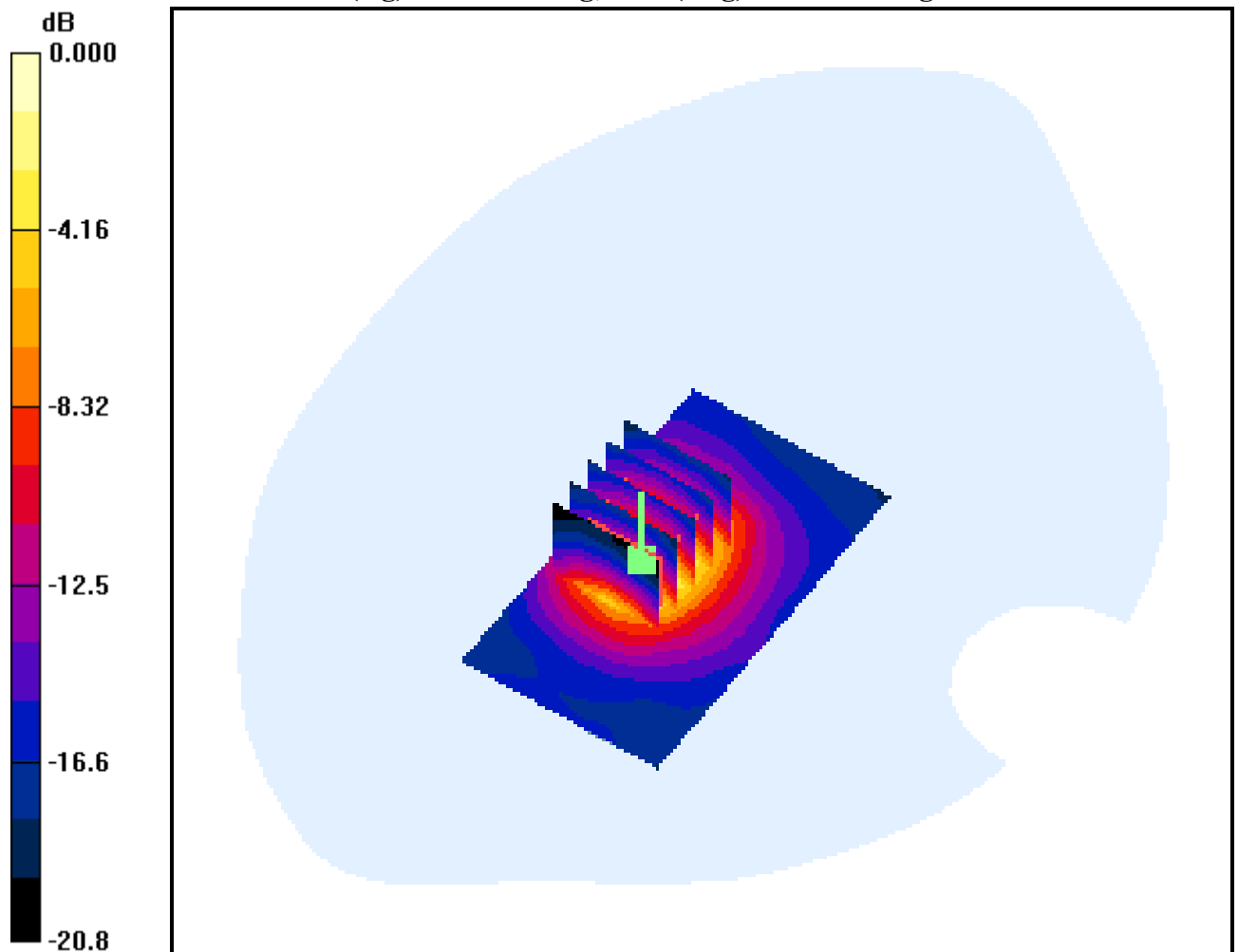**Mode : Bandwith 10M, QPSK, Vertical_Right**

Area Scan (41x71x1): Measurement grid: dx=15mm, dy=15mm
Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 5.59 V/m; Power Drift = -0.092 dB
Peak SAR (extrapolated) = 0.838 W/kg
SAR(1 g) = 0.411 mW/g; SAR(10 g) = 0.192 mW/g

dB

0.000
-4.16
-8.32
-12.5
-16.6
-20.8

0 dB = 0.573mW/g

DIGITAL EMC CO., LTD

DUT: SWU-3120; Type: USB Modem

Communication System: FCC_Wimax; Frequency: 2685 MHz;Duty Cycle: 1:3.24

Medium parameters used: f = 2685 MHz; σ = 2.27 mho/m; ε_r = 51.3; ρ = 1000 kg/m^3

Phantom section: Flat Section

DASY4 Configuration:

Probe: EX3DV4 - SN3643; ConvF(6.95, 6.95, 6.95); Calibrated: 2008-06-23; Electronics: DAE3 Sn520
Phantom: SAM 1800/1900 MHz; Type: SAM; Serial: TP-1224
Measurement SW: DASY4, V4.7 Build 55; Postprocessing SW: SEMCAD, V1.8 Build 176

Test Date: 2008-11-06; Ambient Temp: 21.0; Tissue Temp: 20.8

5mm from Body, WiMAX Ch.High, Ant Internal

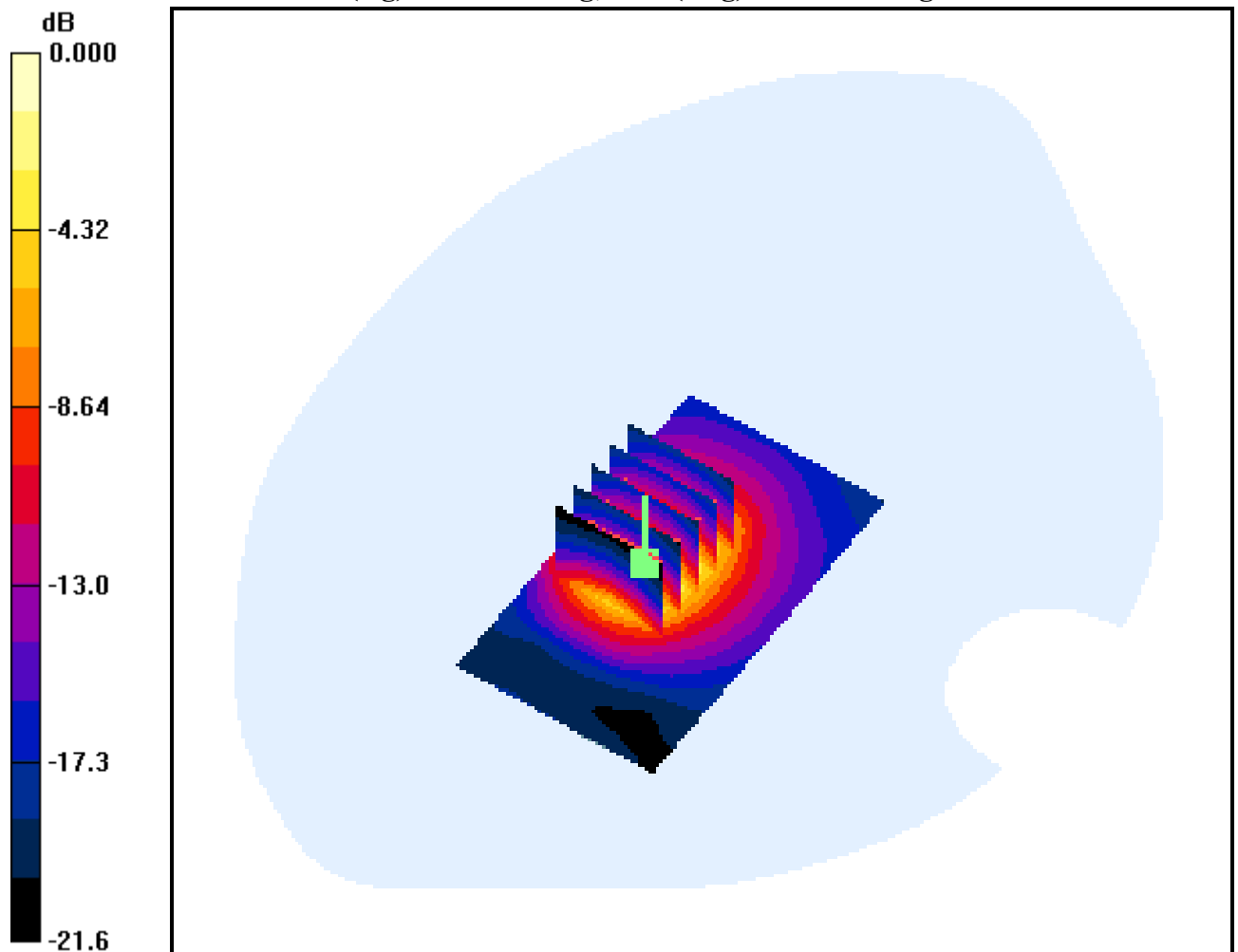**Mode : Bandwith 10M, QPSK, Vertical_Right**

Area Scan (41x71x1): Measurement grid: dx=15mm, dy=15mm
Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 9.42 V/m; Power Drift = -0.258 dB
Peak SAR (extrapolated) = 1.44 W/kg
SAR(1 g) = 0.699 mW/g; SAR(10 g) = 0.320 mW/g

0 dB = 0.971mW/g

DIGITAL EMC CO., LTD

DUT: SWU-3120; Type: USB Modem

Communication System: FCC_Wimax; Frequency: 2593 MHz;Duty Cycle: 1:3.24
Medium parameters used: f = 2593 MHz; σ = 2.17 mho/m; ε_r = 51.7; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY4 Configuration:
Probe: EX3DV4 - SN3643; ConvF(6.95, 6.95, 6.95); Calibrated: 2008-06-23; Electronics: DAE3 Sn520
Phantom: SAM 1800/1900 MHz; Type: SAM; Serial: TP-1224
Measurement SW: DASY4, V4.7 Build 55; Postprocessing SW: SEMCAD, V1.8 Build 176

Test Date: 2008-11-06; Ambient Temp: 21.0; Tissue Temp: 20.8

5mm from Body, WiMAX Ch.Mid, Ant Internal
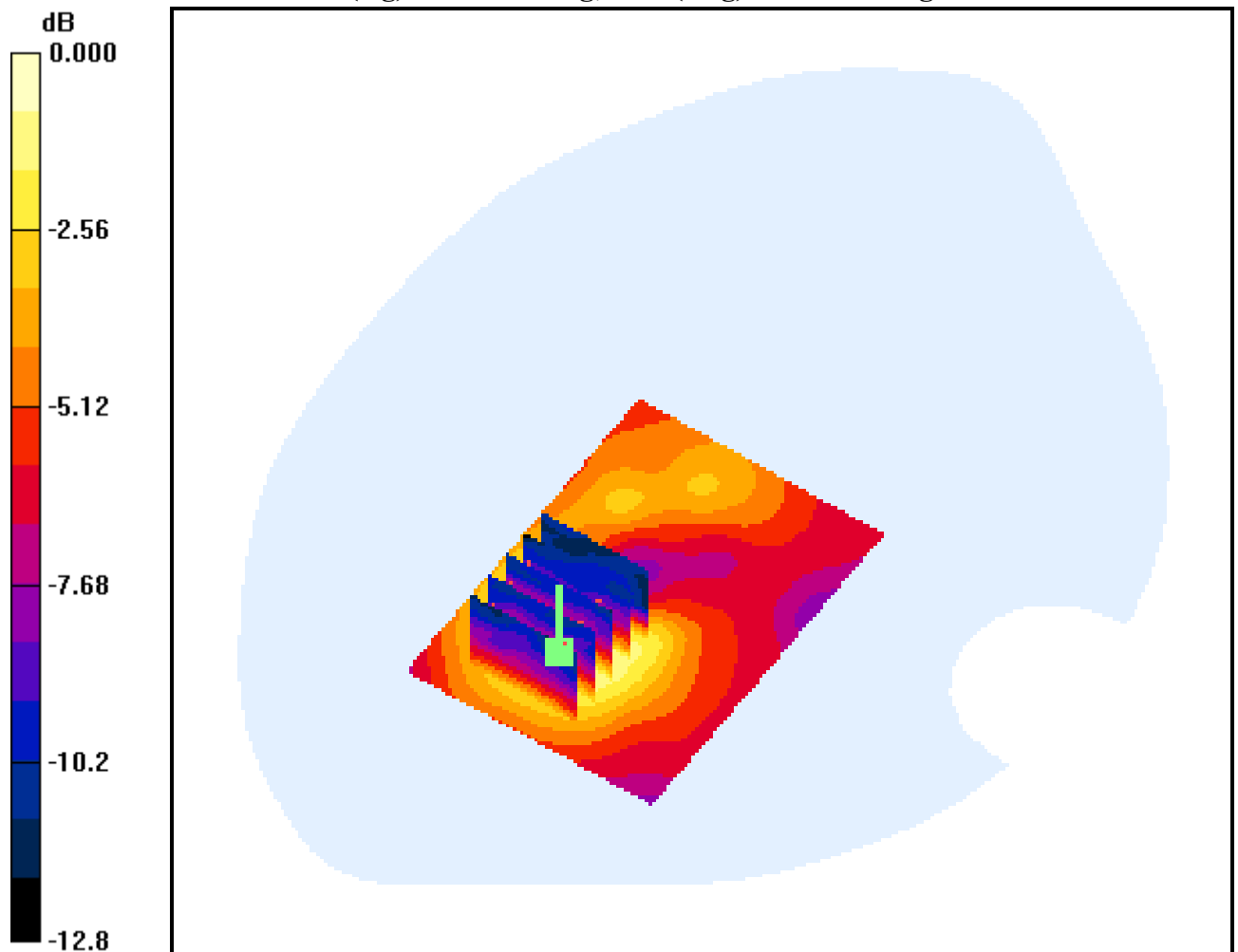
Mode : Bandwith 10M, QPSK, Vertical_Left

Area Scan (51x71x1): Measurement grid: dx=15mm, dy=15mm
Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 3.09 V/m; Power Drift = -0.322 dB
Peak SAR (extrapolated) = 0.074 W/kg
SAR(1 g) = 0.038 mW/g; SAR(10 g) = 0.020 mW/g

0 dB = 0.051mW/g

DIGITAL EMC CO., LTD

DUT: SWU-3120; Type: USB Modem

Communication System: FCC_Wimax; Frequency: 2506 MHz;Duty Cycle: 1:3.24

Medium parameters used: f = 2506 MHz; σ = 2.07 mho/m; ε_r = 52.2; ρ = 1000 kg/m^3

Phantom section: Flat Section

DASY4 Configuration:

Probe: EX3DV4 - SN3643; ConvF(6.95, 6.95, 6.95); Calibrated: 2008-06-23; Electronics: DAE3 Sn520

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

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

Test Date: 2008-11-06; Ambient Temp: 21.0; Tissue Temp: 20.8

5mm from Body, WiMAX Ch.Low, Ant Internal

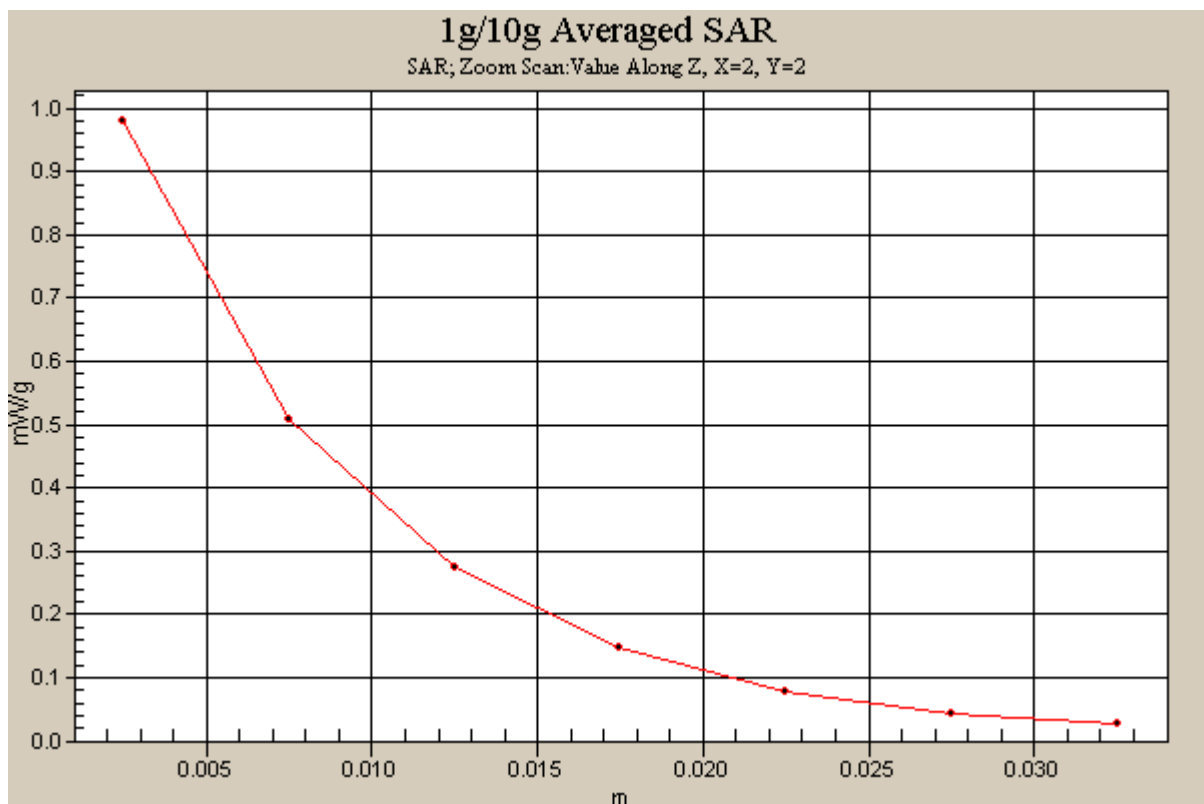**Mode : Bandwith 10M, QPSK, Vertical_Right**

Area Scan (41x71x1): Measurement grid: dx=15mm, dy=15mm

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

Reference Value = 8.75 V/m; Power Drift = -0.052 dB

Peak SAR (extrapolated) = 1.39 W/kg

SAR(1 g) = 0.707 mW/g; SAR(10 g) = 0.336 mW/g

DIGITAL EMC CO., LTD

DUT: SWU-3120; Type: USB Modem

Communication System: FCC_Wimax; Frequency: 2685 MHz;Duty Cycle: 1:3.24
Medium parameters used: f = 2685 MHz; σ = 2.26 mho/m; ε_r = 51.3; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY4 Configuration:
Probe: EX3DV4 - SN3643; ConvF(6.95, 6.95, 6.95); Calibrated: 2008-06-23; 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: 2008-11-08; Ambient Temp: 21.3; Tissue Temp: 21.0

0mm from Body, WiMAX Ch.High, Ant Internal

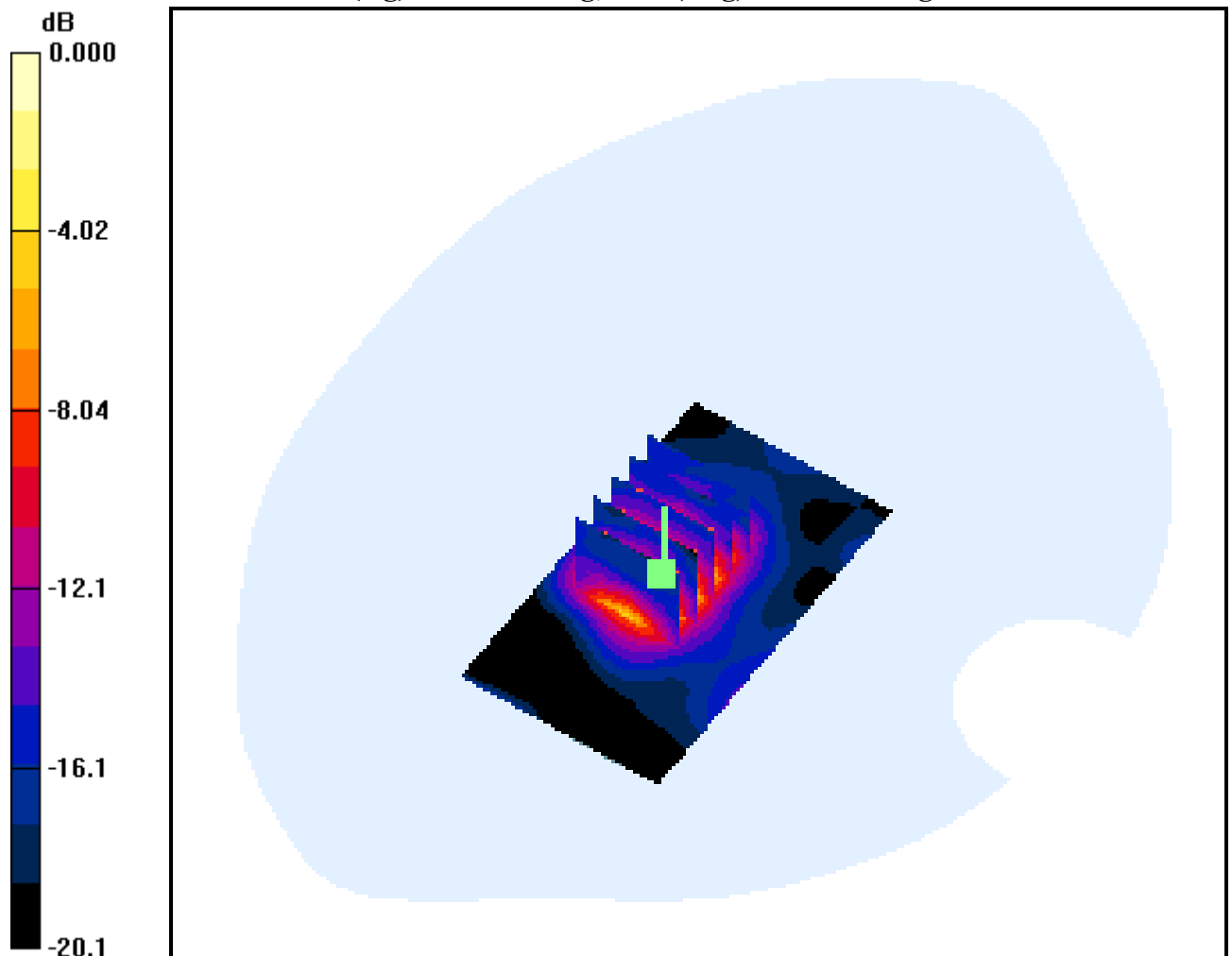**Mode : Bandwith 10M, QPSK, Linearity response check, 13.7mW**

Area Scan (41x71x1): Measurement grid: dx=15mm, dy=15mm
Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 2.29 V/m; Power Drift = 0.145 dB
Peak SAR (extrapolated) = 0.272 W/kg
SAR(1 g) = 0.115 mW/g; SAR(10 g) = 0.046 mW/g

0 dB = 0.173mW/g

DIGITAL EMC CO., LTD

DUT: SWU-3120; Type: USB Modem

Communication System: FCC_Wimax; Frequency: 2685 MHz;Duty Cycle: 1:3.24
Medium parameters used: f = 2685 MHz; σ = 2.26 mho/m; ε_r = 51.3; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY4 Configuration:
Probe: EX3DV4 - SN3643; ConvF(6.95, 6.95, 6.95); Calibrated: 2008-06-23; 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: 2008-11-08; Ambient Temp: 21.3; Tissue Temp: 21.0

0mm from Body, WiMAX Ch.High, Ant Internal

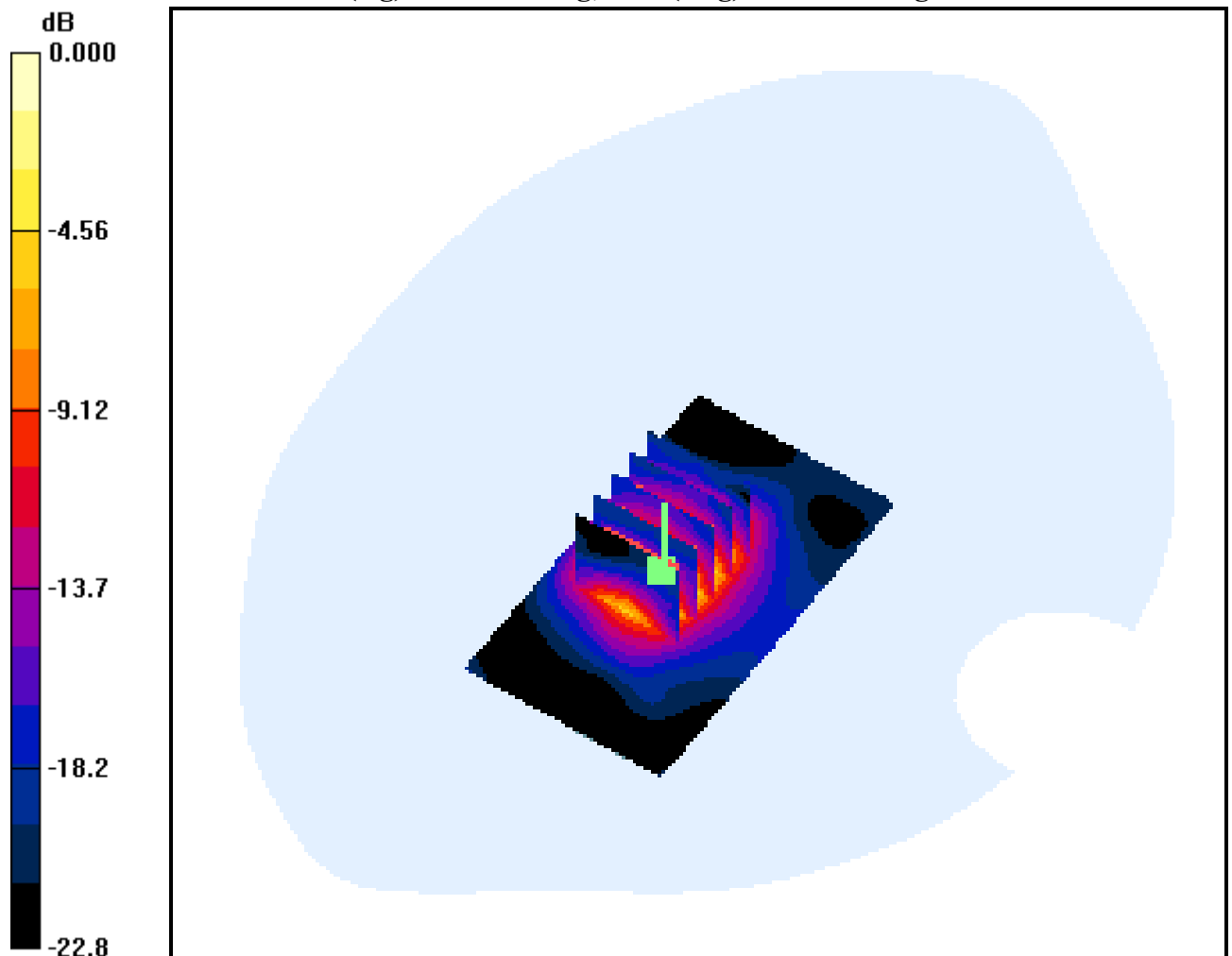**Mode : Bandwith 10M, QPSK, Linearity response check, 27.5mW**

Area Scan (41x71x1): Measurement grid: dx=15mm, dy=15mm
Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 3.37 V/m; Power Drift = 0.163 dB
Peak SAR (extrapolated) = 0.566 W/kg
SAR(1 g) = 0.238 mW/g; SAR(10 g) = 0.095 mW/g

0 dB = 0.356mW/g

DIGITAL EMC CO., LTD

DUT: SWU-3120; Type: USB Modem

Communication System: FCC_Wimax; Frequency: 2685 MHz;Duty Cycle: 1:3.24

Medium parameters used: f = 2685 MHz; σ = 2.26 mho/m; ε_r = 51.3; ρ = 1000 kg/m^3

Phantom section: Flat Section

DASY4 Configuration:

Probe: EX3DV4 - SN3643; ConvF(6.95, 6.95, 6.95); Calibrated: 2008-06-23; 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: 2008-11-08; Ambient Temp: 21.3; Tissue Temp: 21.0

0mm from Body, WiMAX Ch.High, Ant Internal

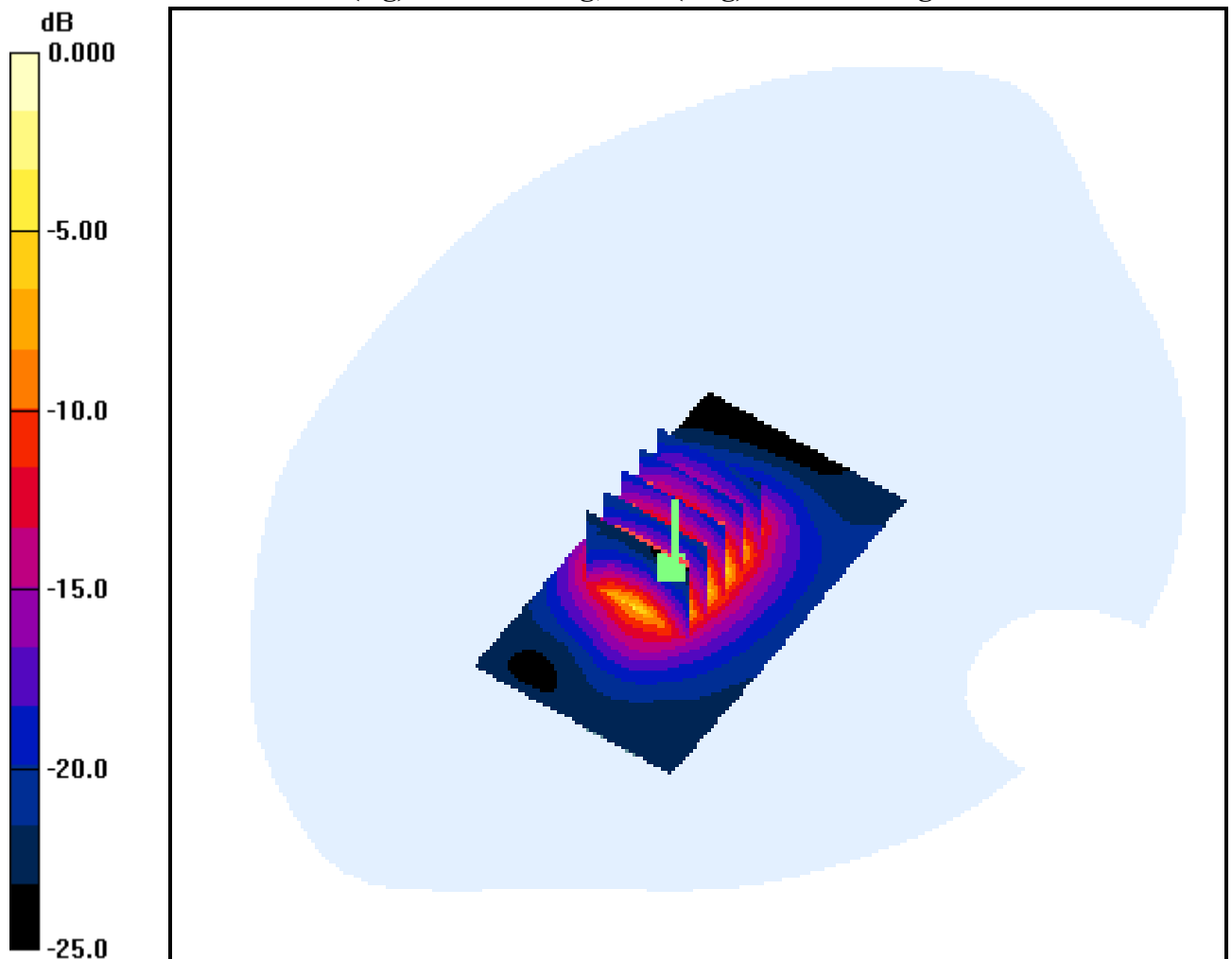**Mode : Bandwith 10M, QPSK, Linearity response check, 50.8mW**

Area Scan (41x71x1): Measurement grid: dx=15mm, dy=15mm

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

Reference Value = 4.74 V/m; Power Drift = 0.340 dB

Peak SAR (extrapolated) = 1.21 W/kg

SAR(1 g) = 0.512 mW/g; SAR(10 g) = 0.204 mW/g

0 dB = 0.768mW/g

DIGITAL EMC CO., LTD

DUT: SWU-3120; Type: USB Modem

Communication System: FCC_Wimax; Frequency: 2685 MHz; Duty Cycle: 1:3.24

Medium parameters used: f = 2685 MHz; σ = 2.26 mho/m; ε_r = 51.3; ρ = 1000 kg/m³

Phantom section: Flat Section

DASY4 Configuration:

Probe: EX3DV4 - SN3643; ConvF(6.95, 6.95, 6.95); Calibrated: 2008-06-23; 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: 2008-11-08; Ambient Temp: 21.3; Tissue Temp: 21.0

0mm from Body, WiMAX Ch.High, Ant Internal

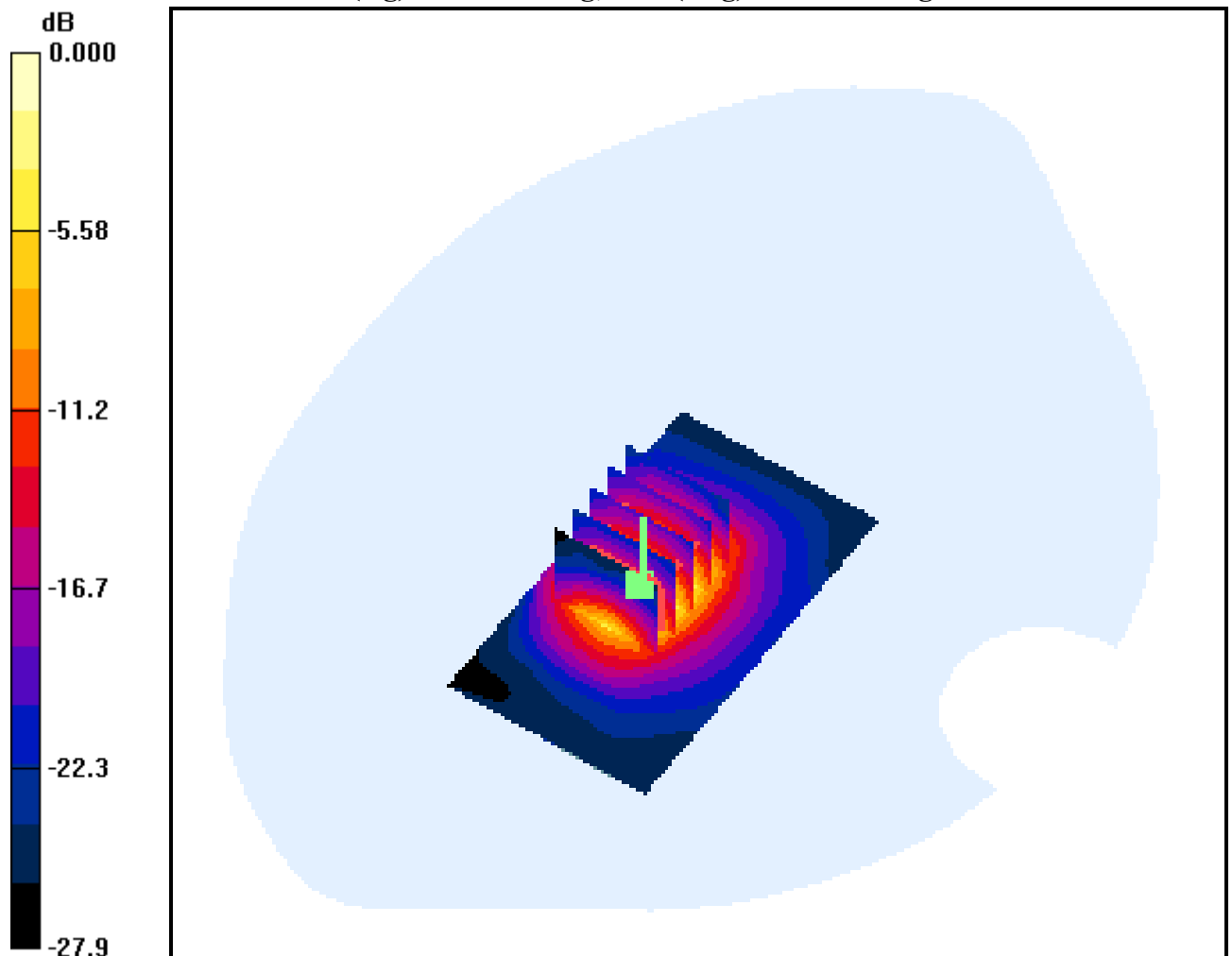### Mode : Bandwith 10M, QPSK, Linearity response check, 103.3mW

Area Scan (41x71x1): Measurement grid: dx=15mm, dy=15mm

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

Reference Value = 6.74 V/m; Power Drift = -0.032 dB

Peak SAR (extrapolated) = 2.35 W/kg

SAR(1 g) = 0.985 mW/g; SAR(10 g) = 0.389 mW/g

dB

0.000

-5.58

-11.2

-16.7

-22.3

-27.9

0 dB = 1.51mW/g

DIGITAL EMC CO., LTD

DUT: SWU-3120; Type: USB Modem

Communication System: FCC_Wimax; Frequency: 2685 MHz;Duty Cycle: 1:3.24
Medium parameters used: f = 2685 MHz; σ = 2.26 mho/m; ε_r = 51.3; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY4 Configuration:
Probe: EX3DV4 - SN3643; ConvF(6.95, 6.95, 6.95); Calibrated: 2008-06-23; 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: 2008-11-08; Ambient Temp: 21.3; Tissue Temp: 21.0

0mm from Body, WiMAX Ch.High, Ant Internal

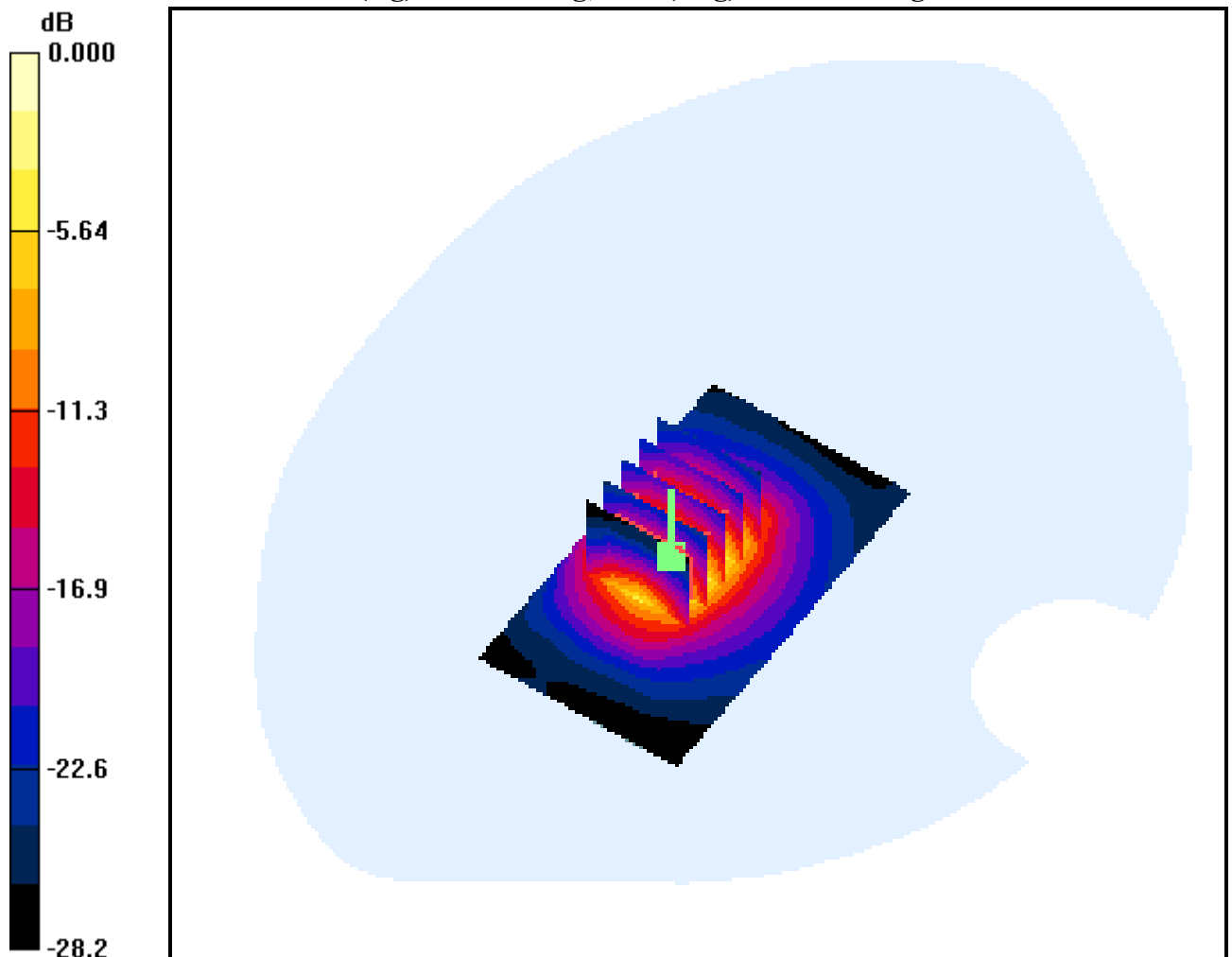**Mode : Bandwith 10M, QPSK, Linearity response check, 194.5mW**

Area Scan (41x71x1): Measurement grid: dx=15mm, dy=15mm
Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 9.13 V/m; Power Drift = 0.006 dB
Peak SAR (extrapolated) = 4.70 W/kg
SAR(1 g) = 1.93 mW/g; SAR(10 g) = 0.753 mW/g

dB
0.000
-5.64
-11.3
-16.9
-22.6
-28.2

0 dB = 3.01mW/g