

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: $f = 2450$ MHz; $\sigma = 1.91$ mho/m; $\epsilon_r = 53$; $\rho = 1000$ kg/m³
Phantom section: Flat Section

DASY4 Configuration:

Probe: ES3DV3 - SN3123; ConvF(4.38, 4.38, 4.38); Calibrated: 2010-11-22; Electronics: DAE4 Sn911
Phantom: SAM 1800/1900 MHz; Type: SAM; Serial: TP-1224
Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Test Date: 2011-01-28; Ambient Temp: 22.3; Tissue Temp: 22.7

Dipole Validation

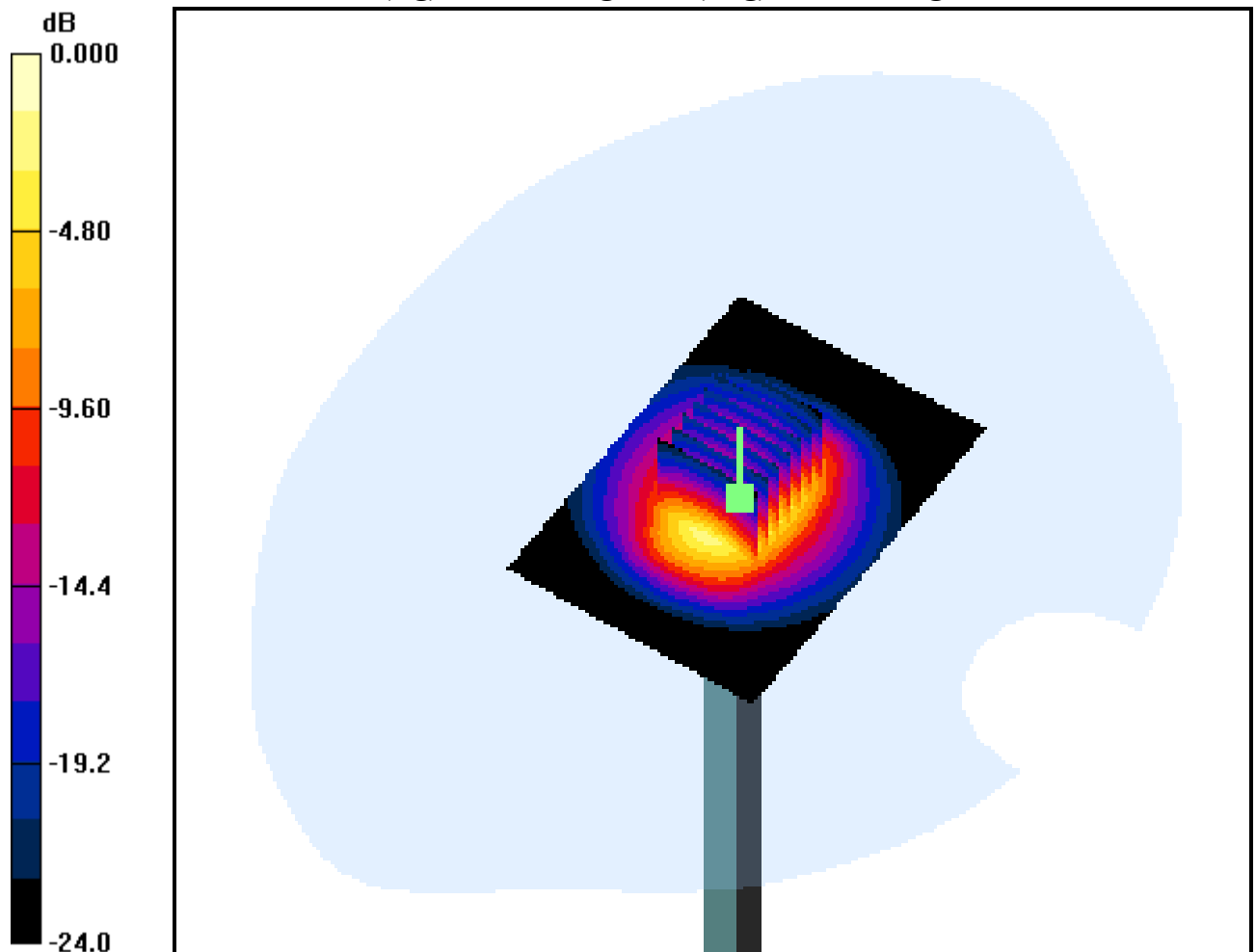
Area Scan (51x71x1): Measurement grid: dx=15mm, dy=15mm

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

Power Drift = -0.078 dB

Peak SAR (extrapolated) = 29.9 W/kg

SAR(1 g) = 13.2 mW/g; SAR(10 g) = 5.83 mW/g



0 dB = 14.8mW/g

DIGITAL EMC CO., LTD

DUT: D3; Type: MP3 Player

Communication System: W-LAN; Frequency: 2412 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 2412$ MHz; $\sigma = 2$ mho/m; $\epsilon_r = 52.5$; $\rho = 1000$ kg/m³
Phantom section: Flat Section

DASY4 Configuration:

Probe: ES3DV3 - SN3123; ConvF(4.38, 4.38, 4.38); Calibrated: 2010-11-22; Electronics: DAE4 Sn911
Phantom: SAM 1800/1900 MHz; Type: SAM; Serial: TP-1224
Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Test Date: 2011-01-28; Ambient Temp: 22.3; Tissue Temp: 22.7

Touch from Body, Rear, W-LAN(802.11b) Ch. 2412 MHz(Low), Ant Internal

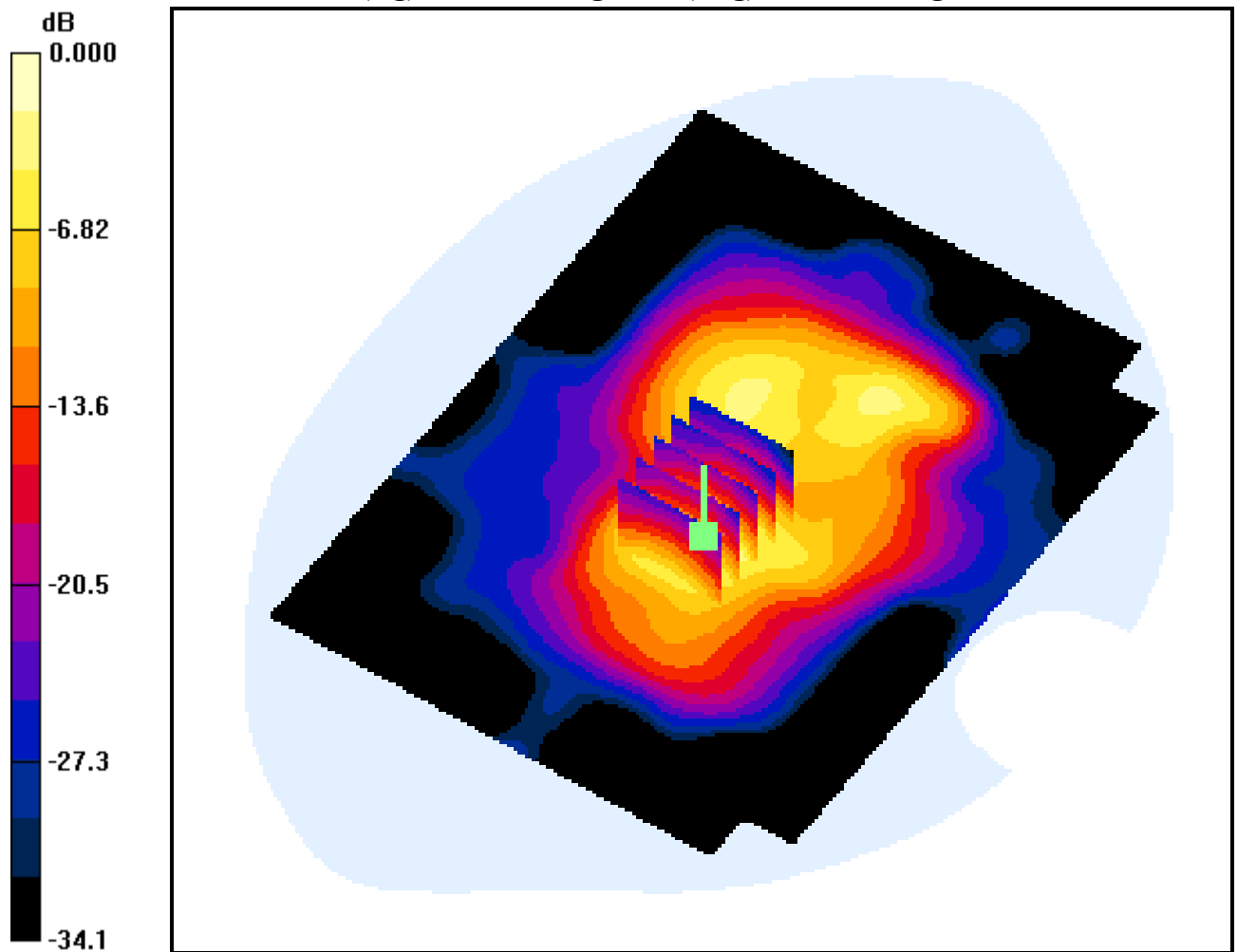
Area Scan (101x131x1): Measurement grid: dx=15mm, dy=15mm

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

Power Drift = -0.255 dB

Peak SAR (extrapolated) = 2.21 W/kg

SAR(1 g) = 0.804 mW/g; SAR(10 g) = 0.324 mW/g



0 dB = 0.847mW/g

DIGITAL EMC CO., LTD

DUT: D3; Type: MP3 Player

Communication System: W-LAN; Frequency: 2437 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 2437$ MHz; $\sigma = 1.94$ mho/m; $\epsilon_r = 53$; $\rho = 1000$ kg/m³
Phantom section: Flat Section

DASY4 Configuration:

Probe: ES3DV3 - SN3123; ConvF(4.38, 4.38, 4.38); Calibrated: 2010-11-22; Electronics: DAE4 Sn911
Phantom: SAM 1800/1900 MHz; Type: SAM; Serial: TP-1224
Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Test Date: 2011-01-28; Ambient Temp: 22.3; Tissue Temp: 22.7

Touch from Body, Rear, W-LAN(802.11b) Ch. 2437 MHz(Mid), Ant Internal

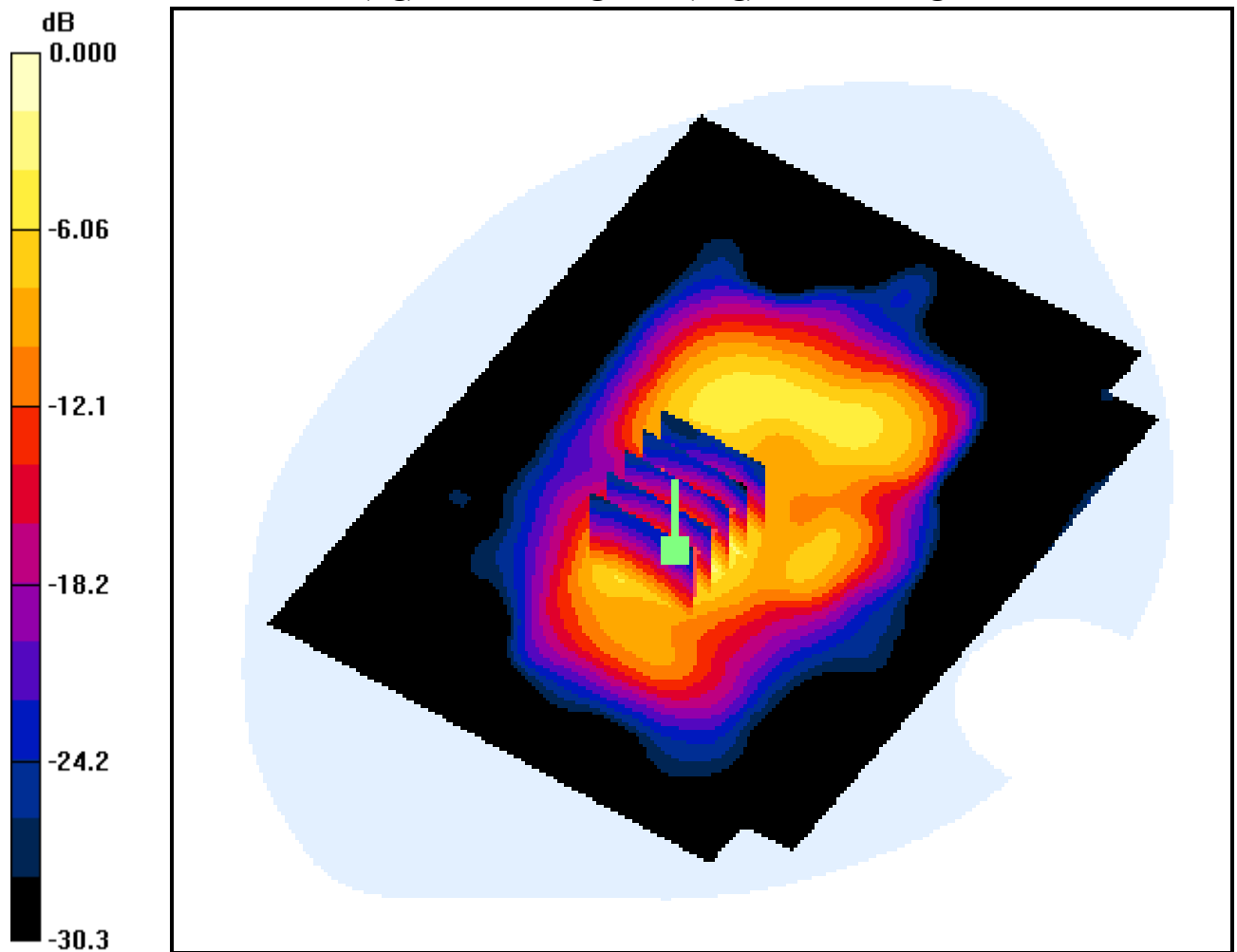
Area Scan (101x131x1): Measurement grid: dx=15mm, dy=15mm

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

Power Drift = -0.047 dB

Peak SAR (extrapolated) = 1.84 W/kg

SAR(1 g) = 0.619 mW/g; SAR(10 g) = 0.250 mW/g



0 dB = 0.604mW/g

DIGITAL EMC CO., LTD

DUT: D3; Type: MP3 Player

Communication System: W-LAN; Frequency: 2462 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 2462$ MHz; $\sigma = 1.9$ mho/m; $\epsilon_r = 53.1$; $\rho = 1000$ kg/m³
Phantom section: Flat Section

DASY4 Configuration:

Probe: ES3DV3 - SN3123; ConvF(4.38, 4.38, 4.38); Calibrated: 2010-11-22; Electronics: DAE4 Sn911
Phantom: SAM 1800/1900 MHz; Type: SAM; Serial: TP-1224
Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Test Date: 2011-01-28; Ambient Temp: 22.3; Tissue Temp: 22.7

Touch from Body, Rear, W-LAN(802.11b) Ch. 2462 MHz(High), Ant Internal

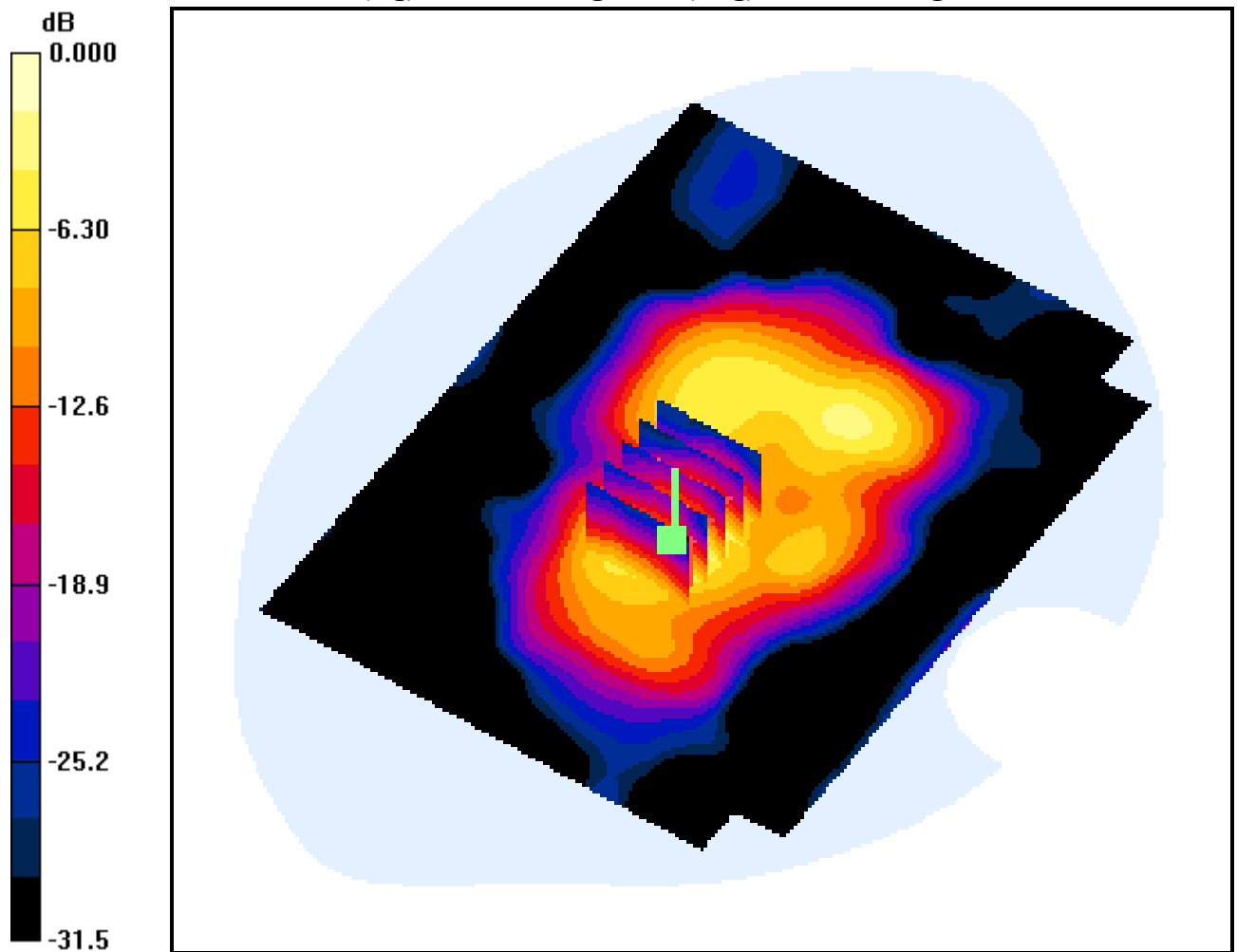
Area Scan (101x131x1): Measurement grid: dx=15mm, dy=15mm

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

Power Drift = 0.345 dB

Peak SAR (extrapolated) = 1.30 W/kg

SAR(1 g) = 0.459 mW/g; SAR(10 g) = 0.189 mW/g



0 dB = 0.453mW/g

DIGITAL EMC CO., LTD

DUT: D3; Type: MP3 Player

Communication System: W-LAN; Frequency: 2437 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 2437$ MHz; $\sigma = 1.94$ mho/m; $\epsilon_r = 53$; $\rho = 1000$ kg/m³
Phantom section: Flat Section

DASY4 Configuration:

Probe: ES3DV3 - SN3123; ConvF(4.38, 4.38, 4.38); Calibrated: 2010-11-22; Electronics: DAE4 Sn911
Phantom: SAM 1800/1900 MHz; Type: SAM; Serial: TP-1224
Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Test Date: 2011-01-28; Ambient Temp: 22.3; Tissue Temp: 22.7

Touch from Body, Front, W-LAN(802.11b) Ch. 2437 MHz(Mid), Ant Internal

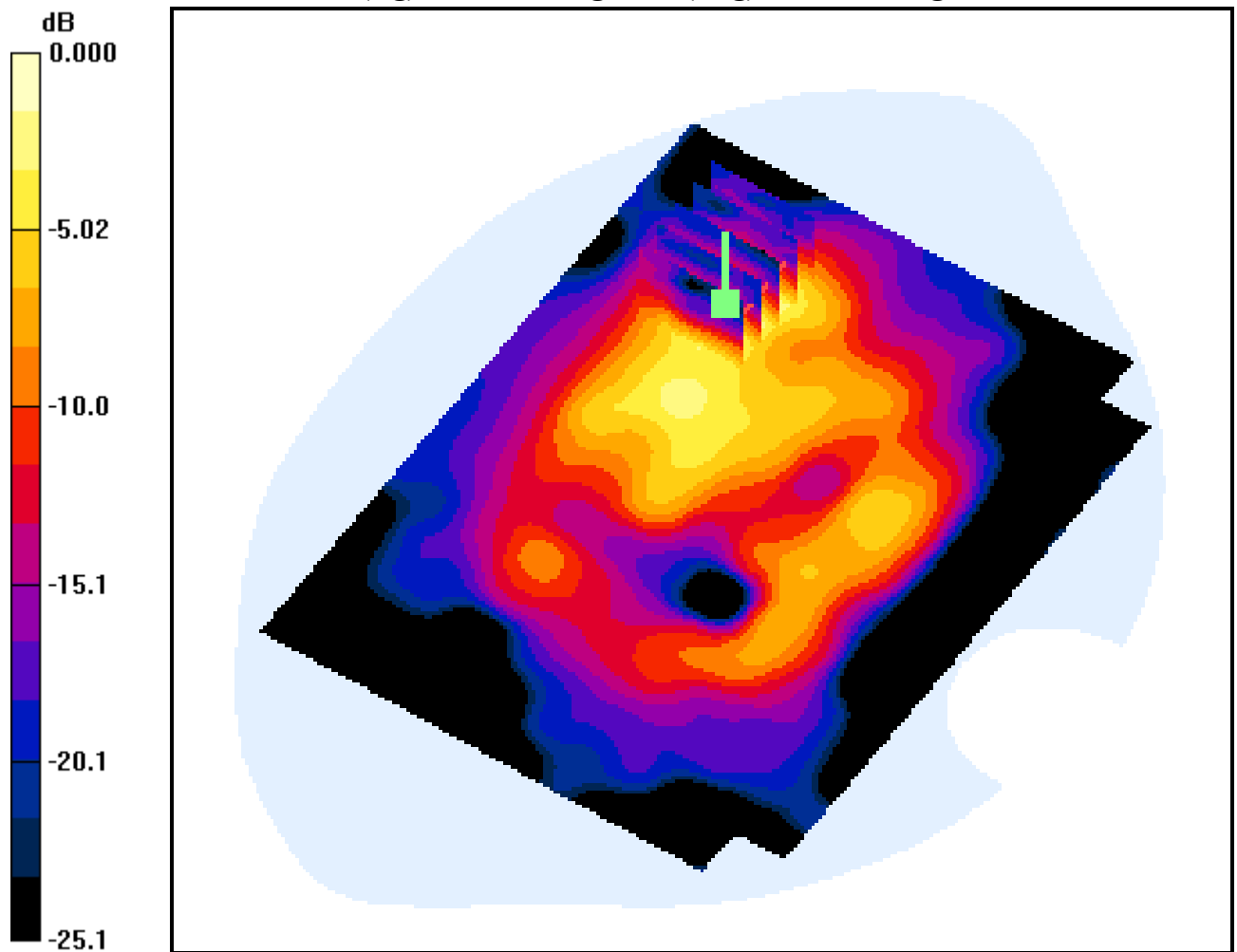
Area Scan (101x131x1): Measurement grid: dx=15mm, dy=15mm

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

Power Drift = 0.349 dB

Peak SAR (extrapolated) = 0.200 W/kg

SAR(1 g) = 0.070 mW/g; SAR(10 g) = 0.029 mW/g



0 dB = 0.078mW/g

DIGITAL EMC CO., LTD

DUT: D3; Type: MP3 Player

Communication System: W-LAN; Frequency: 2412 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 2412$ MHz; $\sigma = 2$ mho/m; $\epsilon_r = 52.5$; $\rho = 1000$ kg/m³
Phantom section: Flat Section

DASY4 Configuration:

Probe: ES3DV3 - SN3123; ConvF(4.38, 4.38, 4.38); Calibrated: 2010-11-22; Electronics: DAE4 Sn911
Phantom: SAM 1800/1900 MHz; Type: SAM; Serial: TP-1224
Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Test Date: 2011-01-28; Ambient Temp: 22.3; Tissue Temp: 22.7

Touch from Body, Rear, W-LAN(802.11b) Ch. 2412 MHz(Low), Ant Internal

Area Scan (101x131x1): Measurement grid: dx=15mm, dy=15mm

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

Power Drift = -0.255 dB

Peak SAR (extrapolated) = 2.21 W/kg

SAR(1 g) = 0.804 mW/g; SAR(10 g) = 0.324 mW/g

