

SAR Plots

- Verification Plots
- SAR Test Plots

DIGITAL EMC CO., LTD

DUT: Dipole 2450 MHz; Type: D2450V2; Serial: D2450V2 - SN:920

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

Medium parameters used: $f = 2450$ MHz; $\sigma = 1.98$ S/m; $\epsilon_r = 54.284$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY5 Configuration:

Probe: EX3DV4 - SN3916; ConvF(7.24, 7.24, 7.24); Calibrated: 2014-04-24; Electronics: DAE4 Sn1335

Phantom: SAM with CRP_20120521; Type: SAM; Serial: 1679

Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

Test Date: 2014-05-28; Ambient Temp: 21.4; Tissue Temp: 22.3

2450 MHz System Verification

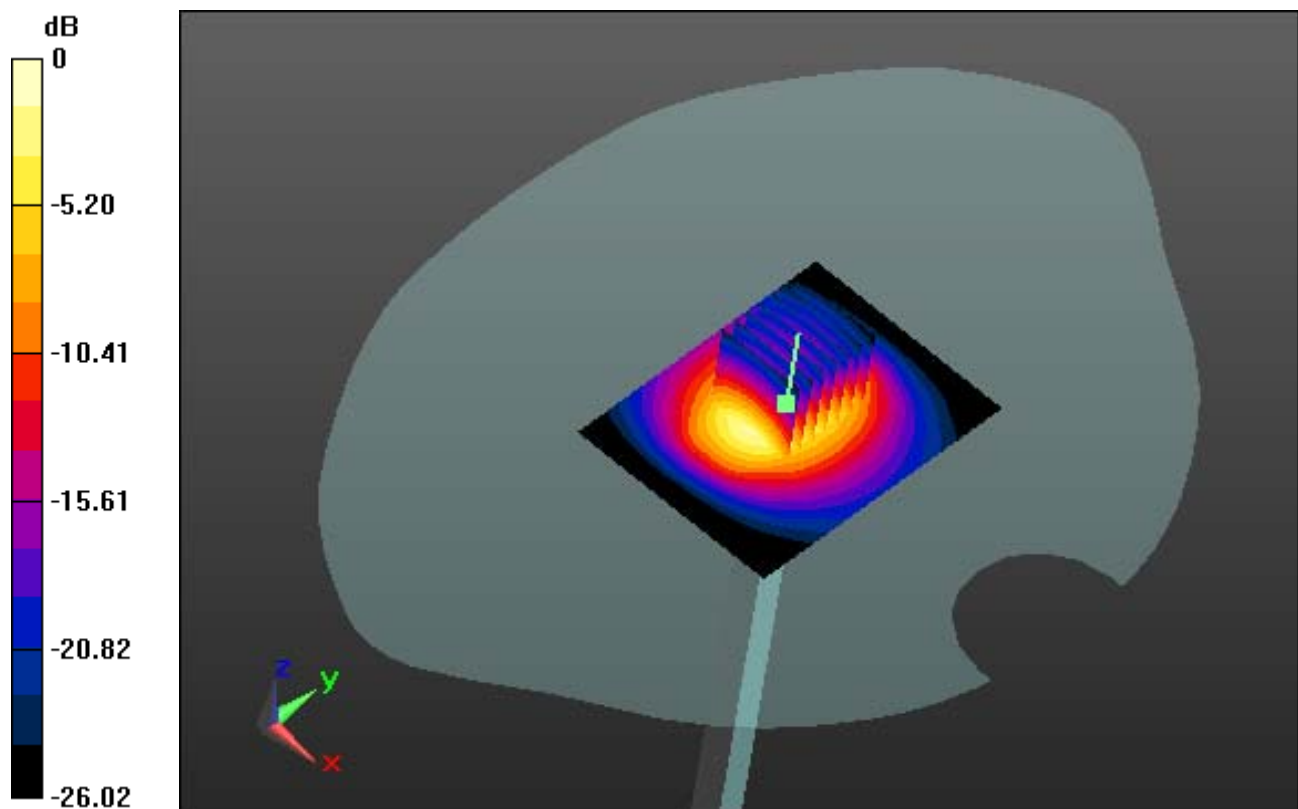
Area Scan (61x81x1): Interpolated grid: dx=12mm, dy=12mm

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

Power Drift = 0.03 dB

Peak SAR (extrapolated) = 27.2 W/kg

SAR(1 g) = 11.9 W/kg; SAR(10 g) = 5.58 W/kg



0 dB = 18.5 W/kg

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2450 MHz System Verification

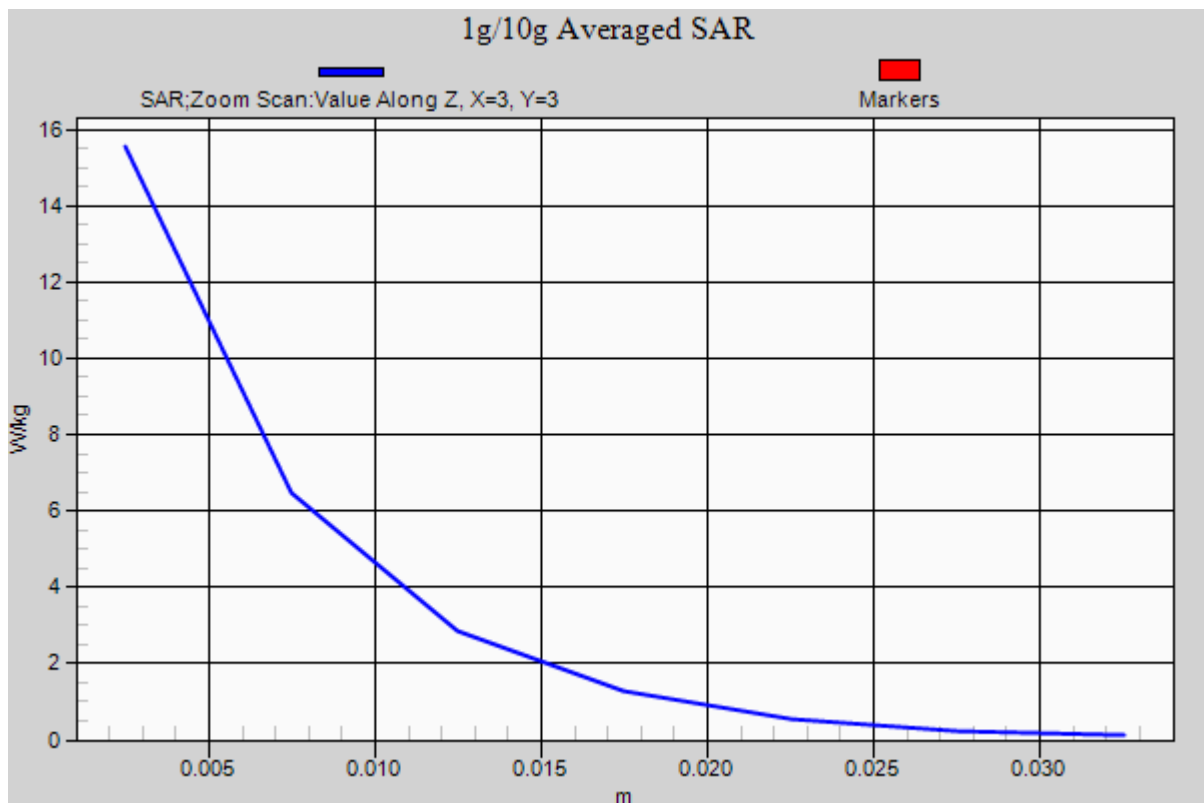
Area Scan (61x81x1): Interpolated grid: dx=12mm, dy=12mm

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

Power Drift = 0.03 dB

Peak SAR (extrapolated) = 27.2 W/kg

SAR(1 g) = 11.9 W/kg; SAR(10 g) = 5.58 W/kg



DIGITAL EMC CO., LTD

DUT: Smart Beacon; Type: Dongle

Communication System: W-LAN (0); Frequency: 2412 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 2412$ MHz; $\sigma = 1.929$ S/m; $\epsilon_r = 54.411$; $\rho = 1000$ kg/m³
Phantom section: Flat Section

DASY5 Configuration:

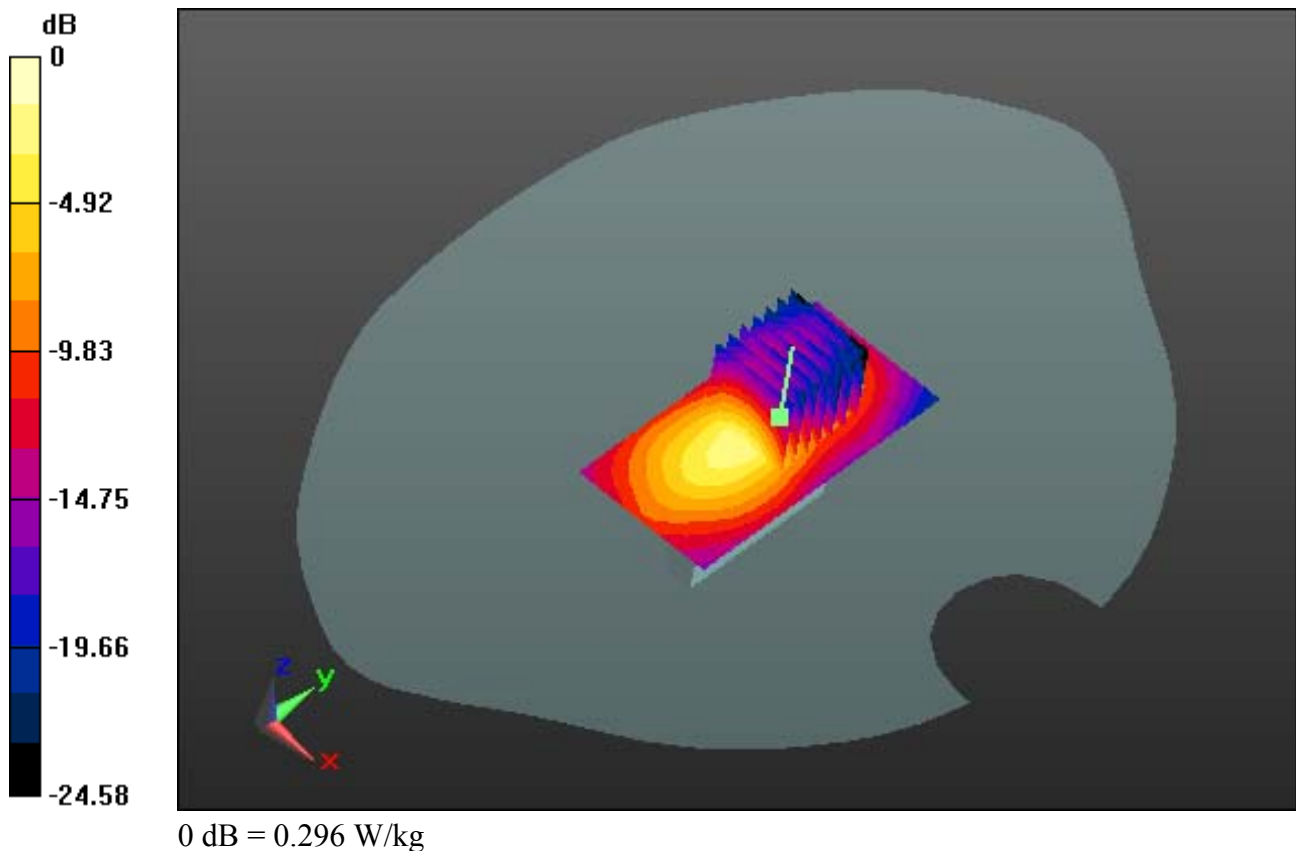
Probe: EX3DV4 - SN3916; ConvF(7.24, 7.24, 7.24); Calibrated: 2014-04-24; Electronics: DAE4 Sn1335
Phantom: SAM with CRP_20120521; Type: SAM; Serial: 1679
Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

Test Date: 2014-05-28; Ambient Temp: 21.4; Tissue Temp: 22.3

5 mm space from Body, W-LAN(802.11b) Ch. 1, Ant Internal

Vertical Back

Area Scan (41x81x1): Interpolated grid: $dx=12$ mm, $dy=12$ mm
Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm
Power Drift = 0.04 dB
Peak SAR (extrapolated) = 0.447 W/kg
SAR(1 g) = 0.194 W/kg; SAR(10 g) = 0.083 W/kg



DIGITAL EMC CO., LTD

DUT: Smart Beacon; Type: Dongle

Communication System: W-LAN (0); Frequency: 2412 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 2412$ MHz; $\sigma = 1.929$ S/m; $\epsilon_r = 54.411$; $\rho = 1000$ kg/m³
Phantom section: Flat Section

DASY5 Configuration:

Probe: EX3DV4 - SN3916; ConvF(7.24, 7.24, 7.24); Calibrated: 2014-04-24; Electronics: DAE4 Sn1335
Phantom: SAM with CRP_20120521; Type: SAM; Serial: 1679
Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

Test Date: 2014-05-28; Ambient Temp: 21.4; Tissue Temp: 22.3

5 mm space from Body, W-LAN(802.11b) Ch. 1, Ant Internal

Vertical Back

Area Scan (41x81x1): Interpolated grid: dx=12mm, dy=12mm
Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Power Drift = 0.04 dB
Peak SAR (extrapolated) = 0.447 W/kg
SAR(1 g) = 0.194 W/kg; SAR(10 g) = 0.083 W/kg

