

Dipole Verification Plots

DUT: Dipole 835 MHz; Type: D835V2; Serial: 4d104

Communication System: CW; Frequency: 835 MHz

Medium parameters used: $f = 835$ MHz; $\sigma = 0.891$ S/m; $\epsilon_r = 40.824$; $\rho = 1000$ kg/m³

Phantom section: Flat section

DASY Configuration

Probe: EX3DV4 - SN3745; ConvF(8.78, 8.78, 8.78); Calibrated: 2015/4/24;

Sensor-Surface: 2mm (Mechanical Surface Detection), $z = 1.0, 31.0$

Electronics: DAE4 Sn554; Calibrated: 2015/4/24

Phantom: SAM v5.0 TP:1799; Type: QD000P40CD; Serial: TP:1799

Measurement SW: DASY52, Version 52.8 (8)

Test date: 2015-12-2; Ambient Temp: 21.7; Tissue Temp: 21.5

835 MHz System Verification -Head-

Area Scan (5x13x1): Measurement grid: $dx=15$ mm, $dy=15$ mm

Maximum value of SAR (measured) = 2.79 W/kg

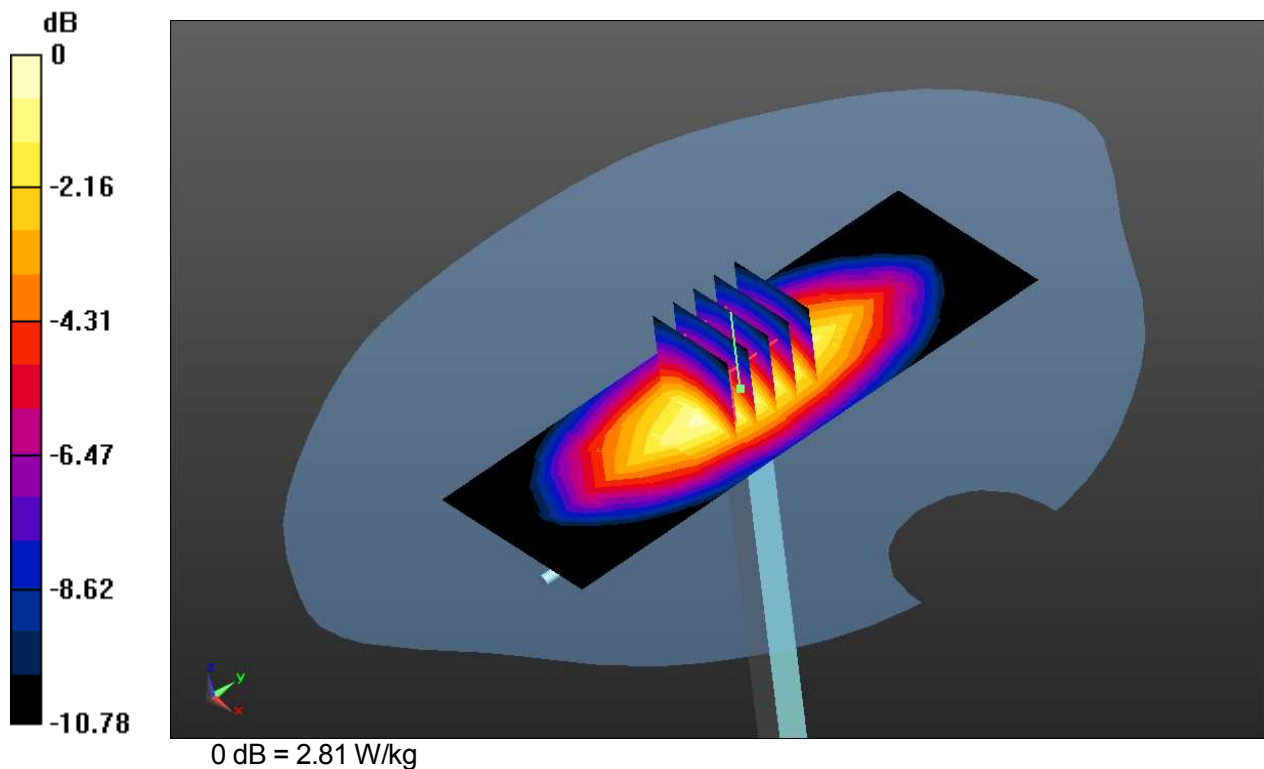
Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8$ mm, $dy=8$ mm, $dz=5$ mm

Reference Value = 57.29 V/m; Power Drift = 0.03 dB

Peak SAR (extrapolated) = 3.31 W/kg

SAR(1 g) = 2.21 W/kg; SAR(10 g) = 1.45 W/kg

Maximum value of SAR (measured) = 2.81 W/kg



DUT: Dipole 835 MHz; Type: D835V2; Serial: 4d104

Communication System: CW; Frequency: 835 MHz

Medium parameters used: $f = 835 \text{ MHz}$; $\sigma = 0.891 \text{ S/m}$; $\epsilon_r = 40.824$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat section

DASY Configuration

Probe: EX3DV4 - SN3745; ConvF(8.78, 8.78, 8.78); Calibrated: 2015/4/24;

Sensor-Surface: 2mm (Mechanical Surface Detection), $z = 1.0, 31.0$

Electronics: DAE4 Sn554; Calibrated: 2015/4/24

Phantom: SAM v5.0 TP:1799; Type: QD000P40CD; Serial: TP:1799

Measurement SW: DASY52, Version 52.8 (8)

Test date: 2015-12-2; Ambient Temp: 21.7; Tissue Temp: 21.5

835 MHz System Verification -Head-

Area Scan (5x13x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

Maximum value of SAR (measured) = 2.79 W/kg

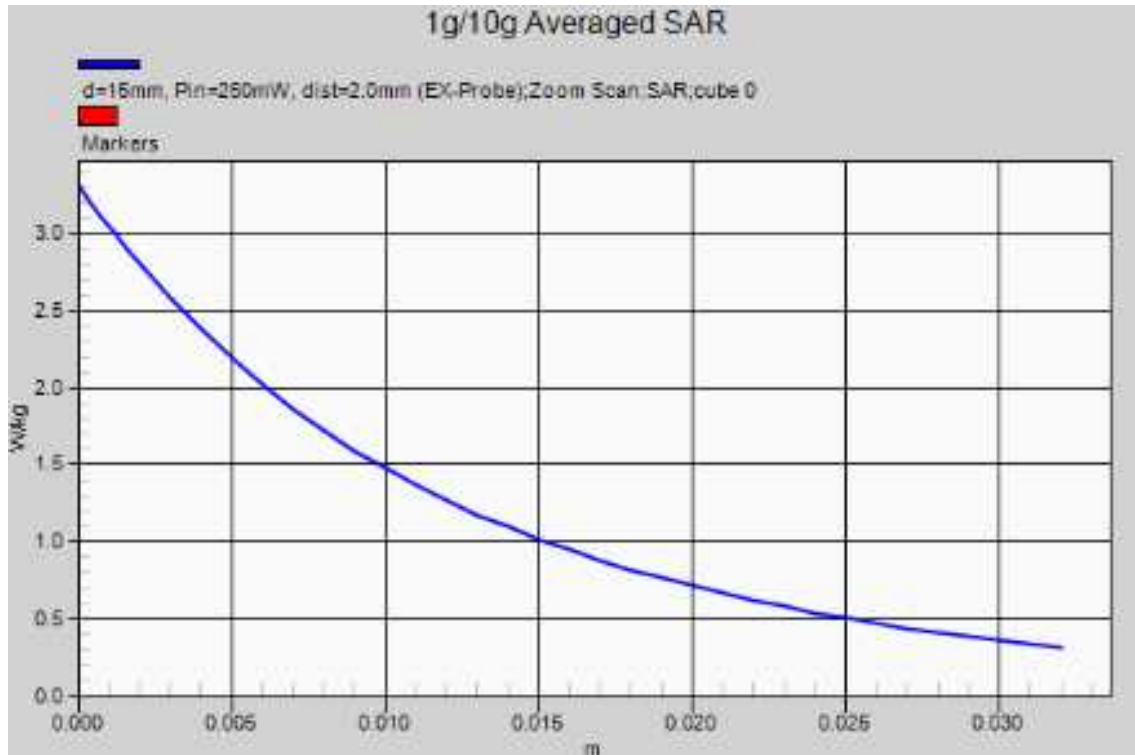
Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

Reference Value = 57.29 V/m; Power Drift = 0.03 dB

Peak SAR (extrapolated) = 3.31 W/kg

SAR(1 g) = 2.21 W/kg; SAR(10 g) = 1.45 W/kg

Maximum value of SAR (measured) = 2.81 W/kg



DUT: Dipole 835 MHz; Type: D835V2; Serial: 4d104

Communication System: CW; Frequency: 835 MHz

Medium parameters used: $f = 835$ MHz; $\sigma = 0.997$ S/m; $\epsilon_r = 54.226$; $\rho = 1000$ kg/m³

Phantom section: Flat section

DASY Configuration

Probe: EX3DV4 - SN3745; ConvF(8.81, 8.81, 8.81); Calibrated: 2015/4/24;

Sensor-Surface: 2mm (Mechanical Surface Detection), $z = 1.0, 31.0$

Electronics: DAE4 Sn554; Calibrated: 2015/4/24

Phantom: ELI v5.0 (20deg probe tilt) TP:1230; Type: QDOVA001BB; Serial: TP:1230

Measurement SW: DASY52, Version 52.8 (8)

Test date: 2015-12-2; Ambient Temp: 21.6; Tissue Temp: 21.5

835 MHz System Verification -Body-

Area Scan (5x13x1): Measurement grid: $dx=15$ mm, $dy=15$ mm

Maximum value of SAR (measured) = 2.97 W/kg

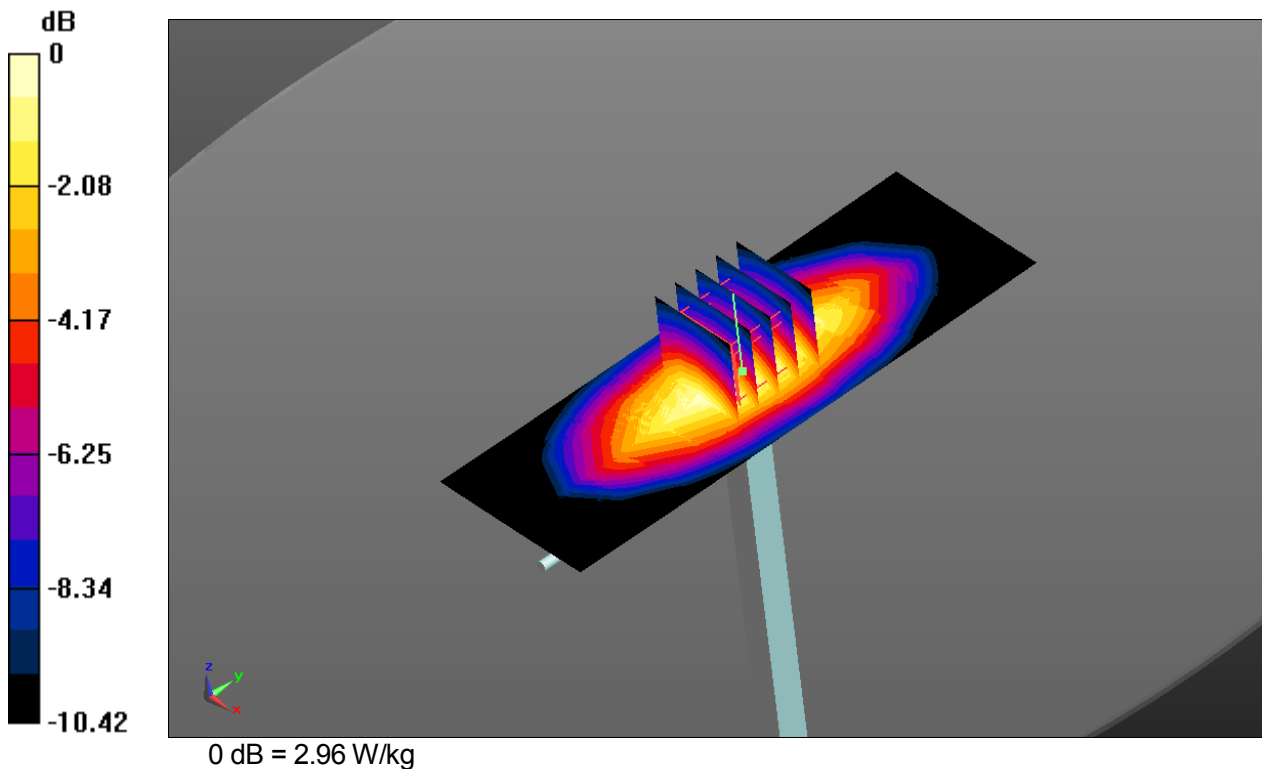
Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8$ mm, $dy=8$ mm, $dz=5$ mm

Reference Value = 55.90 V/m; Power Drift = 0.04 dB

Peak SAR (extrapolated) = 3.46 W/kg

SAR(1 g) = 2.35 W/kg; SAR(10 g) = 1.55 W/kg

Maximum value of SAR (measured) = 2.96 W/kg



DUT: Dipole 835 MHz; Type: D835V2; Serial: 4d104

Communication System: CW; Frequency: 835 MHz

Medium parameters used: $f = 835$ MHz; $\sigma = 0.997$ S/m; $\epsilon_r = 54.226$; $\rho = 1000$ kg/m³

Phantom section: Flat section

DASY Configuration

Probe: EX3DV4 - SN3745; ConvF(8.81, 8.81, 8.81); Calibrated: 2015/4/24;

Sensor-Surface: 2mm (Mechanical Surface Detection), $z = 1.0, 31.0$

Electronics: DAE4 Sn554; Calibrated: 2015/4/24

Phantom: ELI v5.0 (20deg probe tilt) TP:1230; Type: QDOVA001BB; Serial: TP:1230

Measurement SW: DASY52, Version 52.8 (8)

Test date: 2015-12-2; Ambient Temp: 21.6; Tissue Temp: 21.5

835 MHz System Verification -Body-

Area Scan (5x13x1): Measurement grid: $dx=15$ mm, $dy=15$ mm

Maximum value of SAR (measured) = 2.97 W/kg

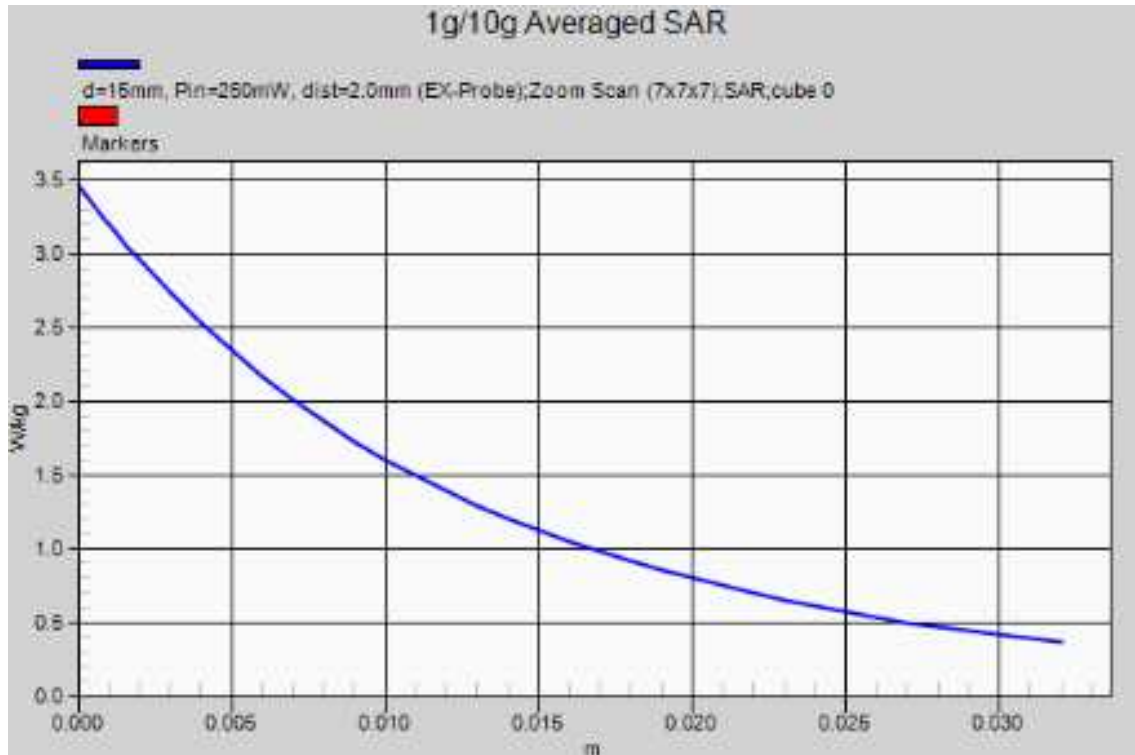
Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8$ mm, $dy=8$ mm, $dz=5$ mm

Reference Value = 55.90 V/m; Power Drift = 0.04 dB

Peak SAR (extrapolated) = 3.46 W/kg

SAR(1 g) = 2.35 W/kg; SAR(10 g) = 1.55 W/kg

Maximum value of SAR (measured) = 2.96 W/kg



DUT: Dipole 1900 MHz; Type: D1900V2; Serial: 5d129

Communication System: CW; Frequency: 1900 MHz

Medium parameters used: $f = 1900$ MHz; $\sigma = 1.419$ S/m; $\epsilon_r = 40.036$; $\rho = 1000$ kg/m³

Phantom section: Flat section

DASY Configuration

Probe: EX3DV4 - SN3745; ConvF(7.29, 7.29, 7.29); Calibrated: 2015/4/24;

Sensor-Surface: 2mm (Mechanical Surface Detection), $z = 1.0, 31.0$

Electronics: DAE4 Sn554; Calibrated: 2015/4/24

Phantom: SAM v5.0 TP:1799; Type: QD000P40CD; Serial: TP:1799

MEASUREMENT SW: DASY52, VERSION 52.8 (8);

Test date: 2015-12-3; Ambient Temp: 22.3; Tissue Temp: 22.7

1900 MHz System Verification -Head-

Area Scan (5x7x1): Measurement grid: $dx=15$ mm, $dy=15$ mm

Maximum value of SAR (measured) = 14.2 W/kg

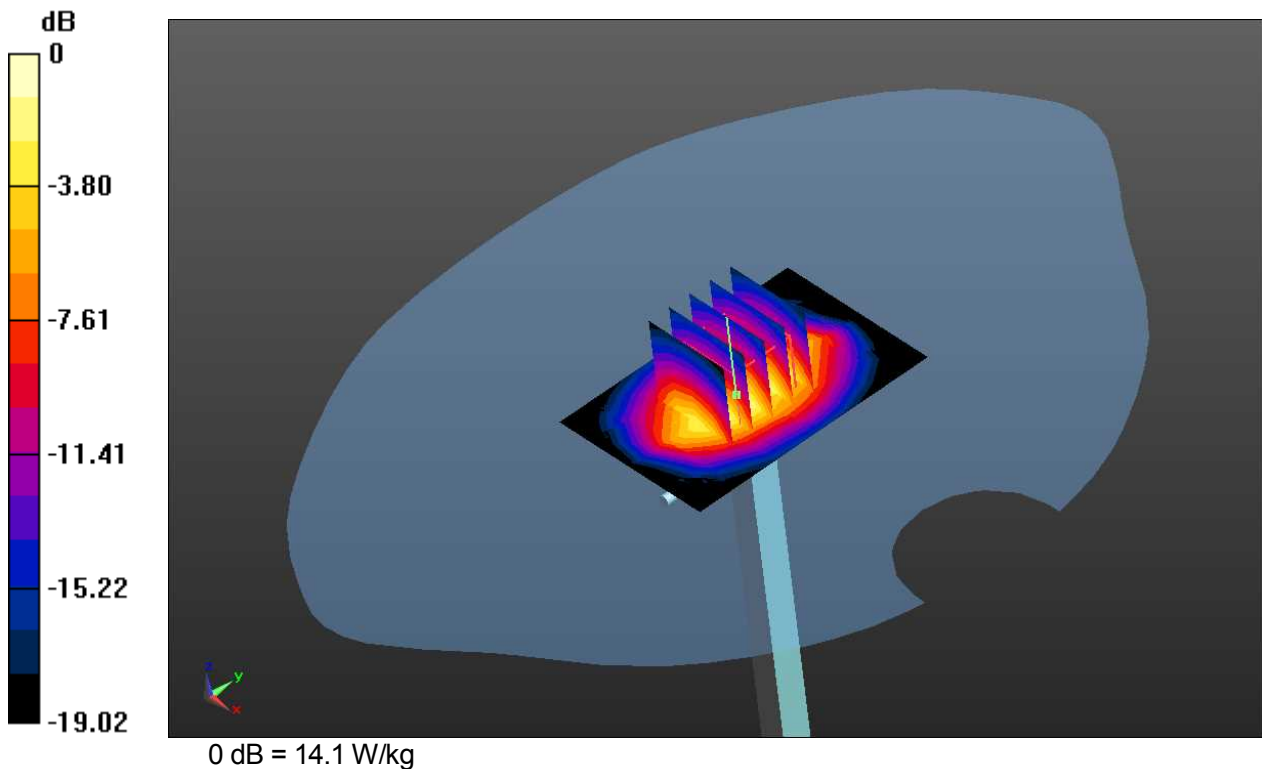
Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8$ mm, $dy=8$ mm, $dz=5$ mm

Reference Value = 101.6 V/m; Power Drift = 0.02 dB

Peak SAR (extrapolated) = 18.5 W/kg

SAR(1 g) = 9.78 W/kg; SAR(10 g) = 5.01 W/kg

Maximum value of SAR (measured) = 14.1 W/kg



DUT: Dipole 1900 MHz; Type: D1900V2; Serial: 5d129

Communication System: CW; Frequency: 1900 MHz

Medium parameters used: $f = 1900$ MHz; $\sigma = 1.419$ S/m; $\epsilon_r = 40.036$; $\rho = 1000$ kg/m³

Phantom section: Flat section

DASY Configuration

Probe: EX3DV4 - SN3745; ConvF(7.29, 7.29, 7.29); Calibrated: 2015/4/24;

Sensor-Surface: 2mm (Mechanical Surface Detection), $z = 1.0, 31.0$

Electronics: DAE4 Sn554; Calibrated: 2015/4/24

Phantom: SAM v5.0 TP:1799; Type: QD000P40CD; Serial: TP:1799

MEASUREMENT SW: DASY52, VERSION 52.8 (8);

Test date: 2015-12-3; Ambient Temp: 22.3; Tissue Temp: 22.7

1900 MHz System Verification -Head-

Area Scan (5x7x1): Measurement grid: $dx=15$ mm, $dy=15$ mm

Maximum value of SAR (measured) = 14.2 W/kg

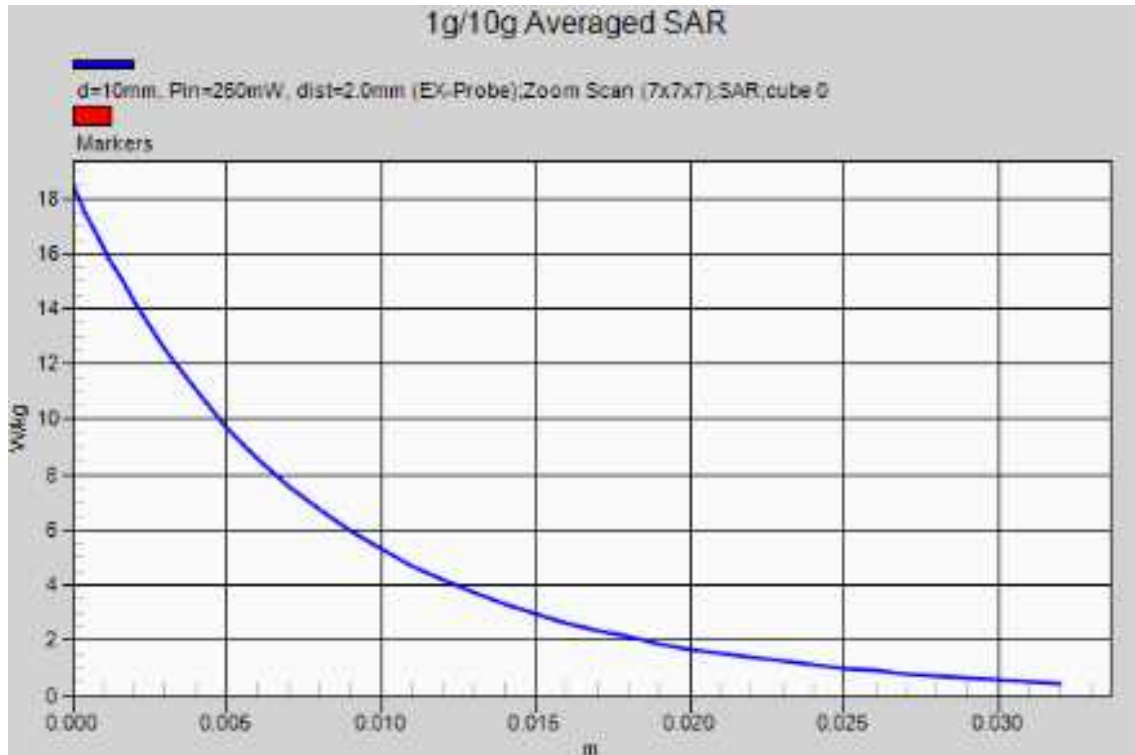
Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8$ mm, $dy=8$ mm, $dz=5$ mm

Reference Value = 101.6 V/m; Power Drift = 0.02 dB

Peak SAR (extrapolated) = 18.5 W/kg

SAR(1 g) = 9.78 W/kg; SAR(10 g) = 5.01 W/kg

Maximum value of SAR (measured) = 14.1 W/kg



DUT: Dipole 1900 MHz; Type: D1900V2; Serial: 5d129

Communication System: CW; Frequency: 1900 MHz

Medium parameters used: $f = 1900$ MHz; $\sigma = 1.556$ S/m; $\epsilon_r = 52.424$; $\rho = 1000$ kg/m³

Phantom section: Flat section

DASY Configuration

Probe: EX3DV4 - SN3745; ConvF(6.99, 6.99, 6.99); Calibrated: 2015/4/24;

Sensor-Surface: 2mm (Mechanical Surface Detection), $z = 1.0, 31.0$

Electronics: DAE4 Sn554; Calibrated: 2015/4/24

Phantom: ELI v5.0 (20deg probe tilt) TP;1230; Type: QDOVA001BB; Serial: TP:1230

MEASUREMENT SW: DASY52, VERSION 52.8 (8);

Test date: 2015-12-3; Ambient Temp: 21.8; Tissue Temp: 21.9

1900 MHz System Verification -Body-

Area Scan (5x7x1): Measurement grid: $dx=15$ mm, $dy=15$ mm

Maximum value of SAR (measured) = 14.1 W/kg

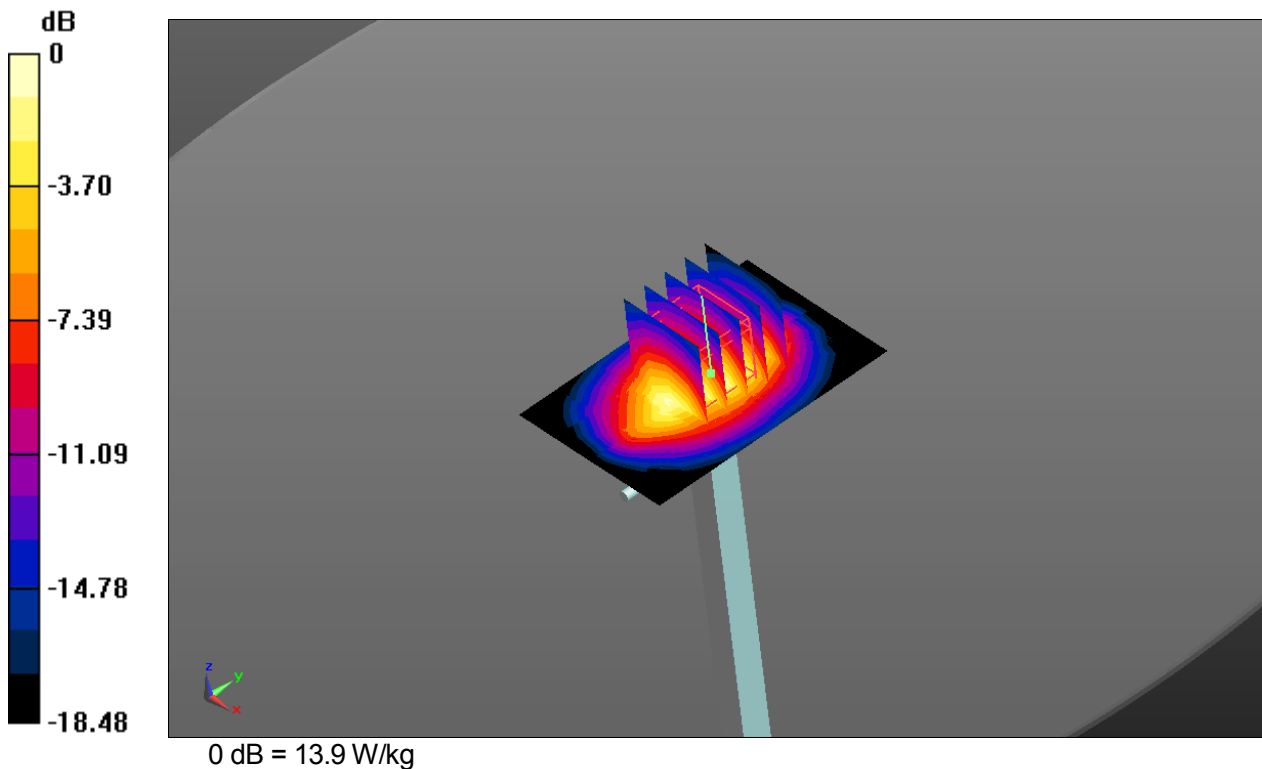
Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8$ mm, $dy=8$ mm, $dz=5$ mm

Reference Value = 96.61 V/m; Power Drift = 0.05 dB

Peak SAR (extrapolated) = 17.8 W/kg

SAR(1 g) = 9.9 W/kg; SAR(10 g) = 5.17 W/kg

Maximum value of SAR (measured) = 13.9 W/kg



DUT: Dipole 1900 MHz; Type: D1900V2; Serial: 5d129

Communication System: CW; Frequency: 1900 MHz

Medium parameters used: $f = 1900$ MHz; $\sigma = 1.556$ S/m; $\epsilon_r = 52.424$; $\rho = 1000$ kg/m³

Phantom section: Flat section

DASY Configuration

Probe: EX3DV4 - SN3745; ConvF(6.99, 6.99, 6.99); Calibrated: 2015/4/24;

Sensor-Surface: 2mm (Mechanical Surface Detection), $z = 1.0, 31.0$

Electronics: DAE4 Sn554; Calibrated: 2015/4/24

Phantom: ELI v5.0 (20deg probe tilt) TP;1230; Type: QDOVA001BB; Serial: TP:1230

MEASUREMENT SW: DASY52, VERSION 52.8 (8);

Test date: 2015-12-3; Ambient Temp: 21.8; Tissue Temp: 21.9

1900 MHz System Verification -Body-

Area Scan (5x7x1): Measurement grid: $dx=15$ mm, $dy=15$ mm

Maximum value of SAR (measured) = 14.1 W/kg

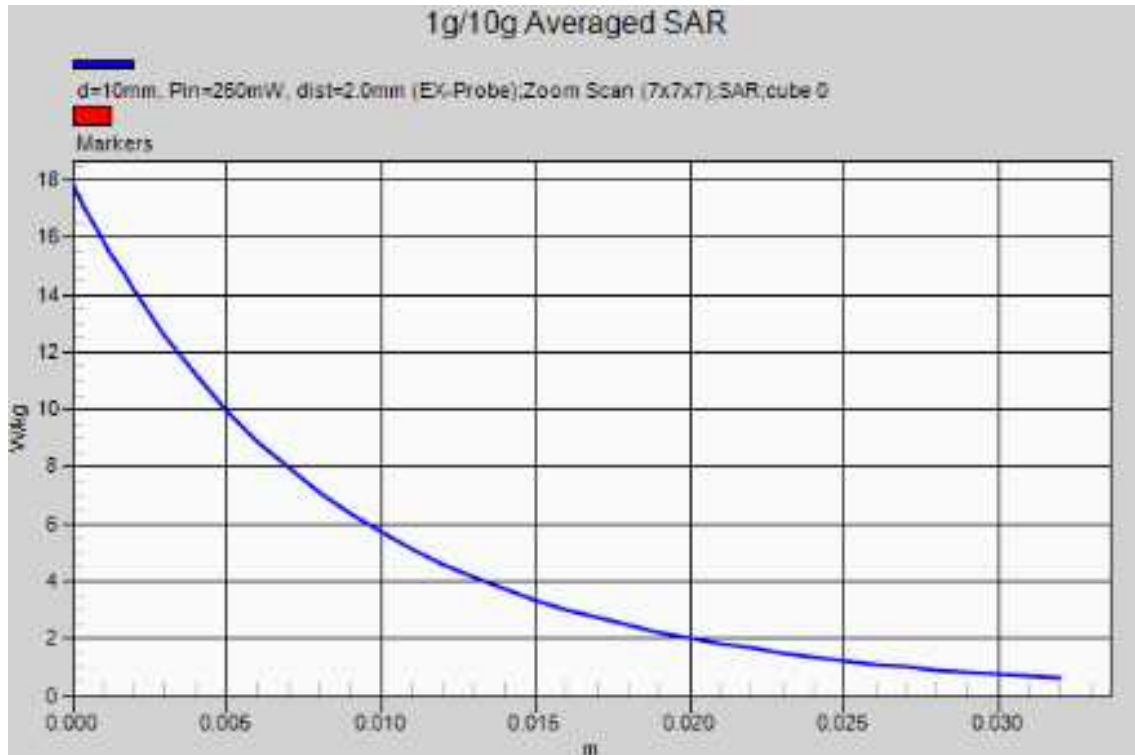
Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8$ mm, $dy=8$ mm, $dz=5$ mm

Reference Value = 96.61 V/m; Power Drift = 0.05 dB

Peak SAR (extrapolated) = 17.8 W/kg

SAR(1 g) = 9.9 W/kg; SAR(10 g) = 5.17 W/kg

Maximum value of SAR (measured) = 13.9 W/kg



DUT: Dipole 2450 MHz; Type: D2450V2; Serial: 765

Communication System: CW; Frequency: 2450 MHz

Medium parameters used: $f = 2450$ MHz; $\sigma = 1.845$ S/m; $\epsilon_r = 38.22$; $\rho = 1000$ kg/m³

Phantom section: Flat section

DASY Configuration

Probe: EX3DV4 - SN3745; ConvF(6.64, 6.64, 6.64); Calibrated: 2015/4/24;

Sensor-Surface: 2mm (Mechanical Surface Detection), $z = 1.0, 31.0$

Electronics: DAE4 Sn554; Calibrated: 2015/4/24

Phantom: SAM v5.0 TP:1799; Type: QD000P40CD; Serial: TP:1799

MEASUREMENT SW: DASY52, VERSION 52.8 (8);

Test date: 2015-12-1; Ambient Temp: 22.0; Tissue Temp: 22.8

2450 MHz System Verification -Head-

Area Scan (7x9x1): Measurement grid: $dx=10$ mm, $dy=10$ mm

Maximum value of SAR (measured) = 19.8 W/kg

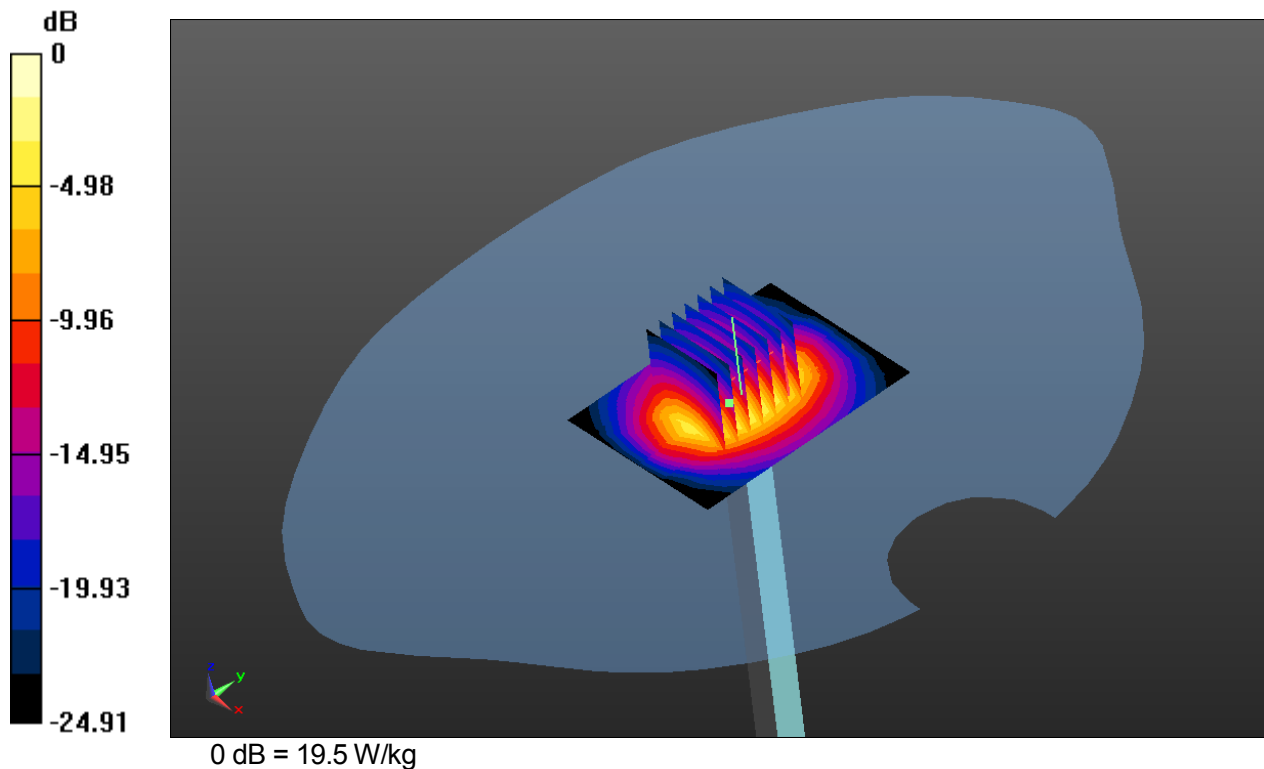
Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm

Reference Value = 106.2 V/m; Power Drift = -0.14 dB

Peak SAR (extrapolated) = 27.6 W/kg

SAR(1 g) = 12.5 W/kg; SAR(10 g) = 5.59 W/kg

Maximum value of SAR (measured) = 19.5 W/kg



DUT: Dipole 2450 MHz; Type: D2450V2; Serial: 765

Communication System: CW; Frequency: 2450 MHz

Medium parameters used: $f = 2450$ MHz; $\sigma = 1.845$ S/m; $\epsilon_r = 38.22$; $\rho = 1000$ kg/m³

Phantom section: Flat section

DASY Configuration

Probe: EX3DV4 - SN3745; ConvF(6.64, 6.64, 6.64); Calibrated: 2015/4/24;

Sensor-Surface: 2mm (Mechanical Surface Detection), $z = 1.0, 31.0$

Electronics: DAE4 Sn554; Calibrated: 2015/4/24

Phantom: SAM v5.0 TP:1799; Type: QD000P40CD; Serial: TP:1799

MEASUREMENT SW: DASY52, VERSION 52.8 (8);

Test date: 2015-12-1; Ambient Temp: 22.0; Tissue Temp: 22.8

2450 MHz System Verification -Head-

Area Scan (7x9x1): Measurement grid: $dx=10$ mm, $dy=10$ mm

Maximum value of SAR (measured) = 19.8 W/kg

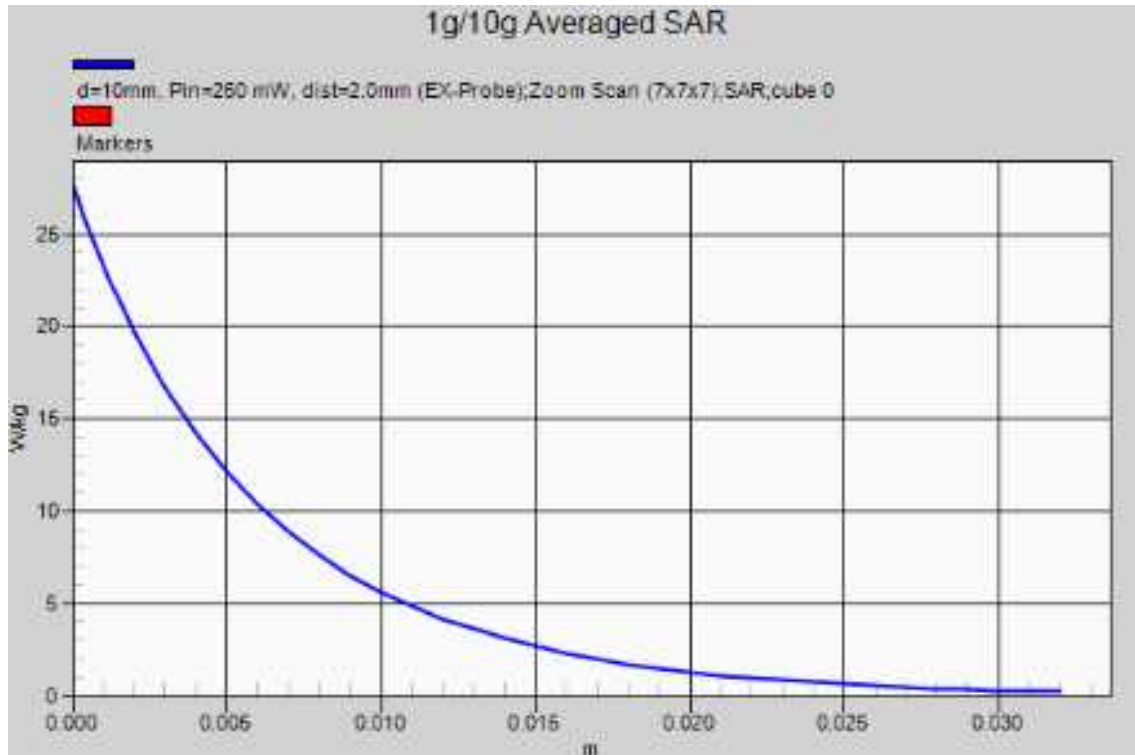
Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm

Reference Value = 106.2 V/m; Power Drift = -0.14 dB

Peak SAR (extrapolated) = 27.6 W/kg

SAR(1 g) = 12.5 W/kg; SAR(10 g) = 5.59 W/kg

Maximum value of SAR (measured) = 19.5 W/kg



DUT: Dipole 2450 MHz; Type: D2450V2; Serial: 765

Communication System: CW; Frequency: 2450 MHz

Medium parameters used: $f = 2450$ MHz; $\sigma = 1.97$ S/m; $\epsilon_r = 51.164$; $\rho = 1000$ kg/m³

Phantom section: Flat section

DASY Configuration

Probe: EX3DV4 - SN3745; ConvF(6.73, 6.73, 6.73); Calibrated: 2015/4/24;

Sensor-Surface: 2mm (Mechanical Surface Detection), $z = 1.0, 31.0$

Electronics: DAE4 Sn554; Calibrated: 2015/4/24

Phantom: ELI v5.0 (20deg probe tilt) TP;1230; Type: QDOVA001BB; Serial: TP:1230

MEASUREMENT SW: DASY52, VERSION 52.8 (8);

Test date: 2015-12-2; Ambient Temp: 21.8; Tissue Temp: 21.6

2450 MHz System Verification -Body-

Area Scan (7x10x1): Measurement grid: $dx=10$ mm, $dy=10$ mm

Maximum value of SAR (measured) = 18.9 W/kg

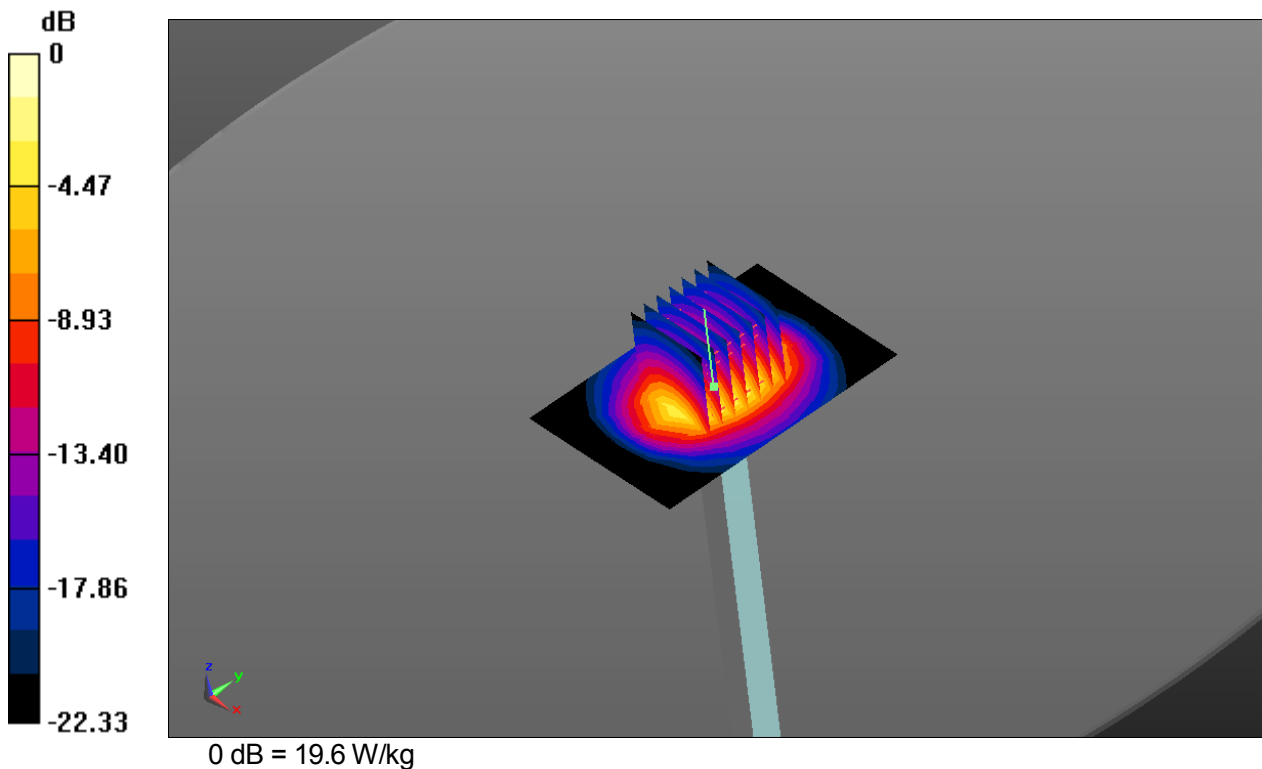
Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm

Reference Value = 101.3 V/m; Power Drift = 0.12 dB

Peak SAR (extrapolated) = 26.7 W/kg

SAR(1 g) = 12.8 W/kg; SAR(10 g) = 5.86 W/kg

Maximum value of SAR (measured) = 19.6 W/kg



DUT: Dipole 2450 MHz; Type: D2450V2; Serial: 765

Communication System: CW; Frequency: 2450 MHz

Medium parameters used: $f = 2450$ MHz; $\sigma = 1.97$ S/m; $\epsilon_r = 51.164$; $\rho = 1000$ kg/m³

Phantom section: Flat section

DASY Configuration

Probe: EX3DV4 - SN3745; ConvF(6.73, 6.73, 6.73); Calibrated: 2015/4/24;

Sensor-Surface: 2mm (Mechanical Surface Detection), $z = 1.0, 31.0$

Electronics: DAE4 Sn554; Calibrated: 2015/4/24

Phantom: ELI v5.0 (20deg probe tilt) TP;1230; Type: QDOVA001BB; Serial: TP:1230

MEASUREMENT SW: DASY52, VERSION 52.8 (8);

Test date: 2015-12-2; Ambient Temp: 21.8; Tissue Temp: 21.6

2450 MHz System Verification -Body-

Area Scan (7x10x1): Measurement grid: $dx=10$ mm, $dy=10$ mm

Maximum value of SAR (measured) = 18.9 W/kg

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

Reference Value = 101.3 V/m; Power Drift = 0.12 dB

Peak SAR (extrapolated) = 26.7 W/kg

SAR(1 g) = 12.8 W/kg; SAR(10 g) = 5.86 W/kg

Maximum value of SAR (measured) = 19.6 W/kg

