

Dipole Verification Plots

DUT: Dipole 1900 MHz; Type: D1900V2; Serial: 5d183

Communication System: CW; Frequency: 1900 MHz

Medium parameters used: $f = 1900$ MHz; $\sigma = 1.419$ S/m; $\epsilon_r = 39.659$; $\rho = 1000$ kg/m³

Phantom section: Flat section

DASY Configuration

Probe: EX3DV4 - SN3957; ConvF(8.46, 8.46, 8.46); Calibrated: 2015/12/14;

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

Electronics: DAE4 Sn1409; Calibrated: 2015/12/08

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

MEASUREMENT SW: DASY52, VERSION 52.8 (8);

Test date: 2016-3-16; Ambient Temp: 23.5; Tissue Temp: 22.2

1900 MHz System Verification -Head-

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

Maximum value of SAR (measured) = 14.0 W/kg

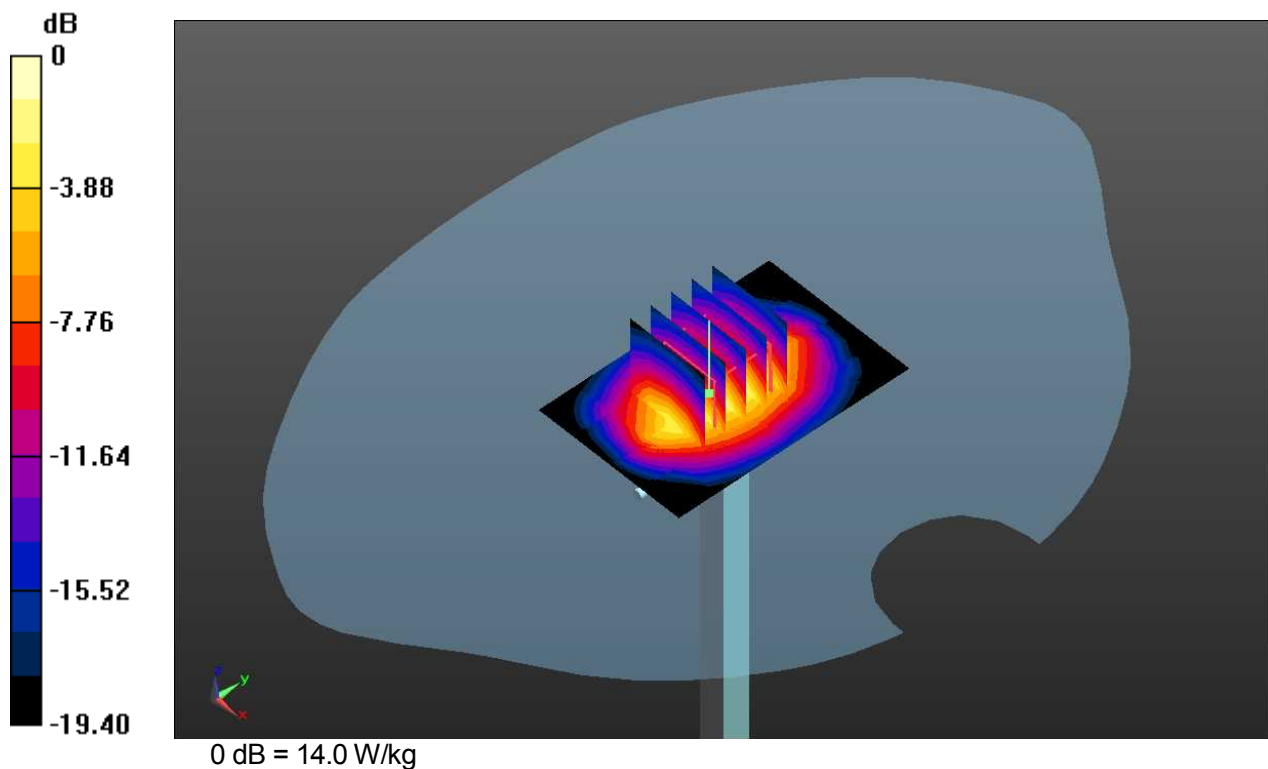
Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8$ mm, $dy=8$ mm, $dz=5$ mm

Reference Value = 100.4 V/m; Power Drift = 0.08 dB

Peak SAR (extrapolated) = 18.4 W/kg

SAR(1 g) = 9.71 W/kg; SAR(10 g) = 4.96 W/kg

Maximum value of SAR (measured) = 14.0 W/kg



DUT: Dipole 1900 MHz; Type: D1900V2; Serial: 5d183

Communication System: CW; Frequency: 1900 MHz

Medium parameters used: $f = 1900$ MHz; $\sigma = 1.419$ S/m; $\epsilon_r = 39.659$; $\rho = 1000$ kg/m³

Phantom section: Flat section

DASY Configuration

Probe: EX3DV4 - SN3957; ConvF(8.46, 8.46, 8.46); Calibrated: 2015/12/14;

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

Electronics: DAE4 Sn1409; Calibrated: 2015/12/08

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

MEASUREMENT SW: DASY52, VERSION 52.8 (8);

Test date: 2016-3-16; Ambient Temp: 23.5; Tissue Temp: 22.2

1900 MHz System Verification -Head-

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

Maximum value of SAR (measured) = 14.0 W/kg

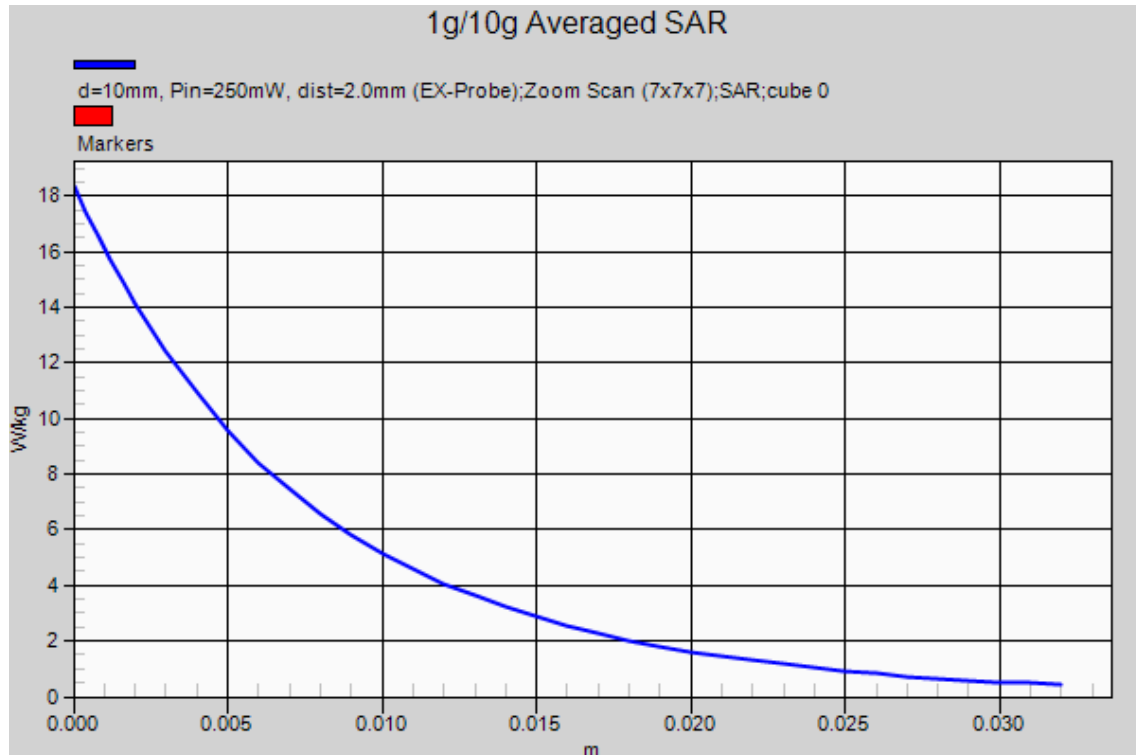
Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8$ mm, $dy=8$ mm, $dz=5$ mm

Reference Value = 100.4 V/m; Power Drift = 0.08 dB

Peak SAR (extrapolated) = 18.4 W/kg

SAR(1 g) = 9.71 W/kg; SAR(10 g) = 4.96 W/kg

Maximum value of SAR (measured) = 14.0 W/kg



DUT: Dipole 1900 MHz; Type: D1900V2; Serial: 5d183

Communication System: CW; Frequency: 1900 MHz

Medium parameters used: $f = 1900$ MHz; $\sigma = 1.414$ S/m; $\epsilon_r = 39.464$; $\rho = 1000$ kg/m³

Phantom section: Flat section

DASY Configuration

Probe: EX3DV4 - SN3957; ConvF(8.46, 8.46, 8.46); Calibrated: 2015/12/14;

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

Electronics: DAE4 Sn1409; Calibrated: 2015/12/08

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

MEASUREMENT SW: DASY52, VERSION 52.8 (8);

Test date: 2016-3-17; Ambient Temp: 23.1; Tissue Temp: 22.5

1900 MHz System Verification -Head-

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

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

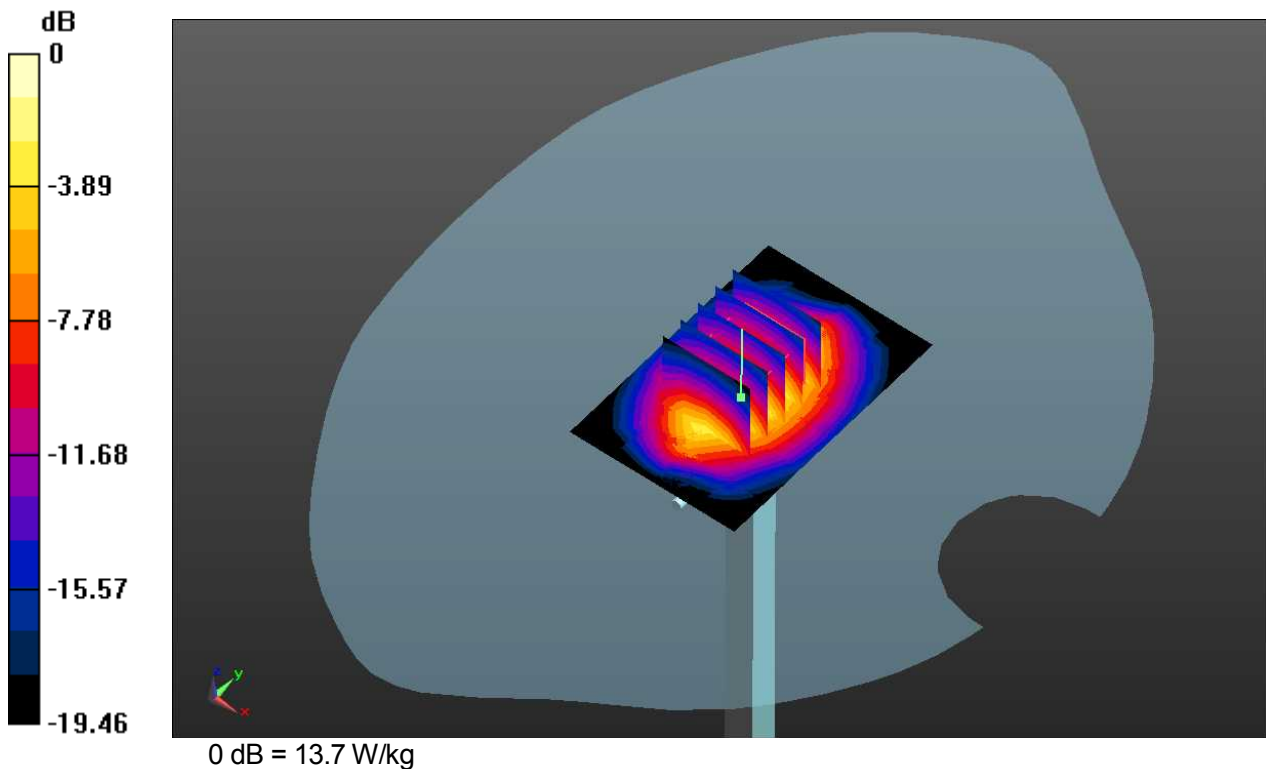
Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8$ mm, $dy=8$ mm, $dz=5$ mm

Reference Value = 101.2 V/m; Power Drift = -0.01 dB

Peak SAR (extrapolated) = 18.2 W/kg

SAR(1 g) = 9.62 W/kg; SAR(10 g) = 4.93 W/kg

Maximum value of SAR (measured) = 13.7 W/kg



DUT: Dipole 1900 MHz; Type: D1900V2; Serial: 5d183

Communication System: CW; Frequency: 1900 MHz

Medium parameters used: $f = 1900$ MHz; $\sigma = 1.414$ S/m; $\epsilon_r = 39.464$; $\rho = 1000$ kg/m³

Phantom section: Flat section

DASY Configuration

Probe: EX3DV4 - SN3957; ConvF(8.46, 8.46, 8.46); Calibrated: 2015/12/14;

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

Electronics: DAE4 Sn1409; Calibrated: 2015/12/08

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

MEASUREMENT SW: DASY52, VERSION 52.8 (8);

Test date: 2016-3-17; Ambient Temp: 23.1; Tissue Temp: 22.5

1900 MHz System Verification -Head-

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

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

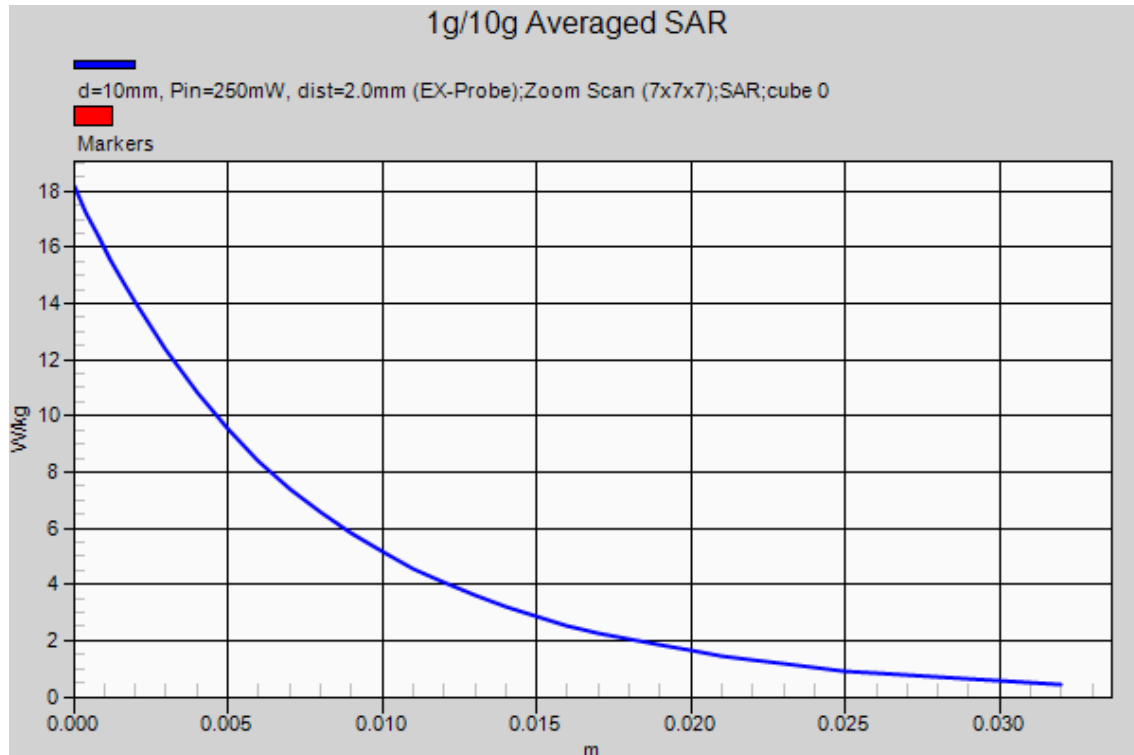
Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8$ mm, $dy=8$ mm, $dz=5$ mm

Reference Value = 101.2 V/m; Power Drift = -0.01 dB

Peak SAR (extrapolated) = 18.2 W/kg

SAR(1 g) = 9.62 W/kg; SAR(10 g) = 4.93 W/kg

Maximum value of SAR (measured) = 13.7 W/kg



DUT: Dipole 1900 MHz; Type: D1900V2; Serial: 5d183

Communication System: CW; Frequency: 1900 MHz

Medium parameters used: $f = 1900$ MHz; $\sigma = 1.541$ S/m; $\epsilon_r = 52.909$; $\rho = 1000$ kg/m³

Phantom section: Flat section

DASY Configuration

Probe: EX3DV4 - SN3957; ConvF(8.1, 8.1, 8.1); Calibrated: 2015/12/14;

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

Electronics: DAE4 Sn1409; Calibrated: 2015/12/08

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

MEASUREMENT SW: DASY52, VERSION 52.8 (8);

Test date: 2016-3-17; Ambient Temp: 23.7; Tissue Temp: 22.4

1900 MHz System Verification -Body-

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

Maximum value of SAR (measured) = 13.8 W/kg

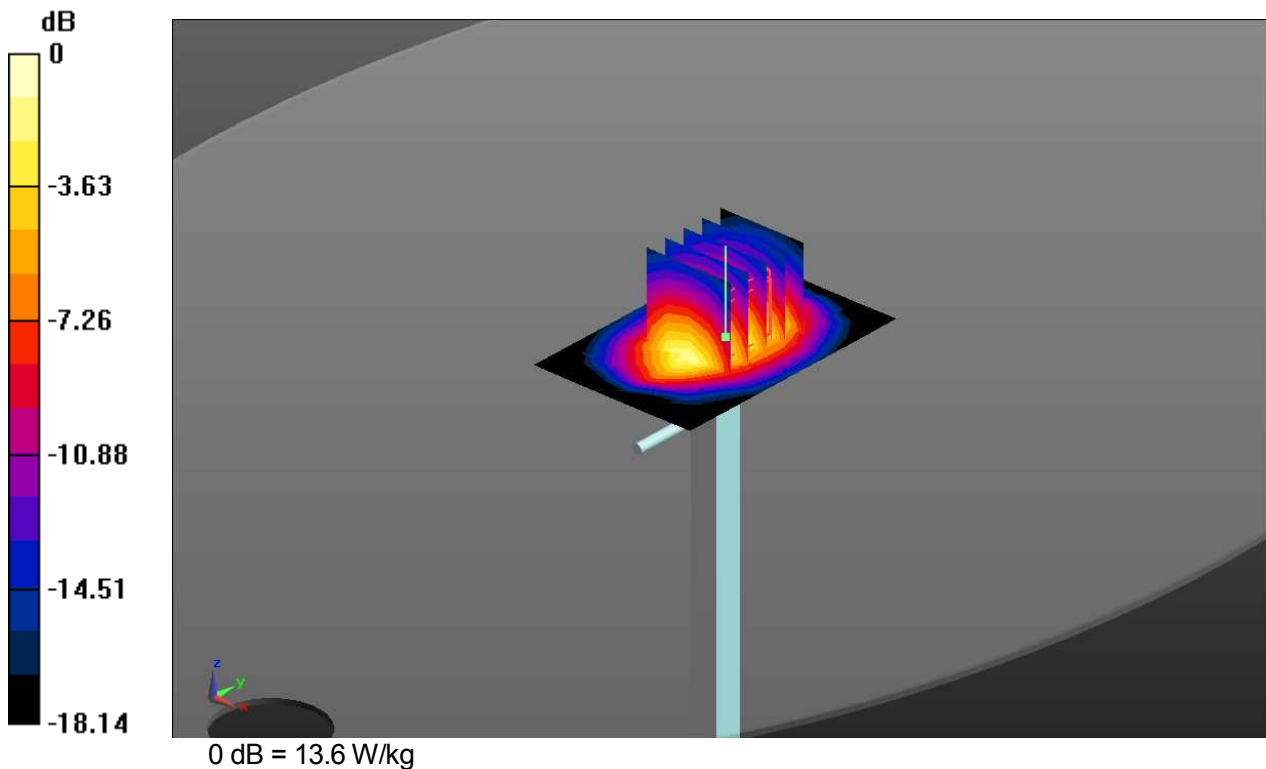
Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8$ mm, $dy=8$ mm, $dz=5$ mm

Reference Value = 96.80 V/m; Power Drift = -0.02 dB

Peak SAR (extrapolated) = 17.3 W/kg

SAR(1 g) = 9.67 W/kg; SAR(10 g) = 5.07 W/kg

Maximum value of SAR (measured) = 13.6 W/kg



DUT: Dipole 1900 MHz; Type: D1900V2; Serial: 5d183

Communication System: CW; Frequency: 1900 MHz

Medium parameters used: $f = 1900$ MHz; $\sigma = 1.541$ S/m; $\epsilon_r = 52.909$; $\rho = 1000$ kg/m³

Phantom section: Flat section

DASY Configuration

Probe: EX3DV4 - SN3957; ConvF(8.1, 8.1, 8.1); Calibrated: 2015/12/14;

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

Electronics: DAE4 Sn1409; Calibrated: 2015/12/08

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

MEASUREMENT SW: DASY52, VERSION 52.8 (8);

Test date: 2016-3-17; Ambient Temp: 23.7; Tissue Temp: 22.4

1900 MHz System Verification -Body-

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

Maximum value of SAR (measured) = 13.8 W/kg

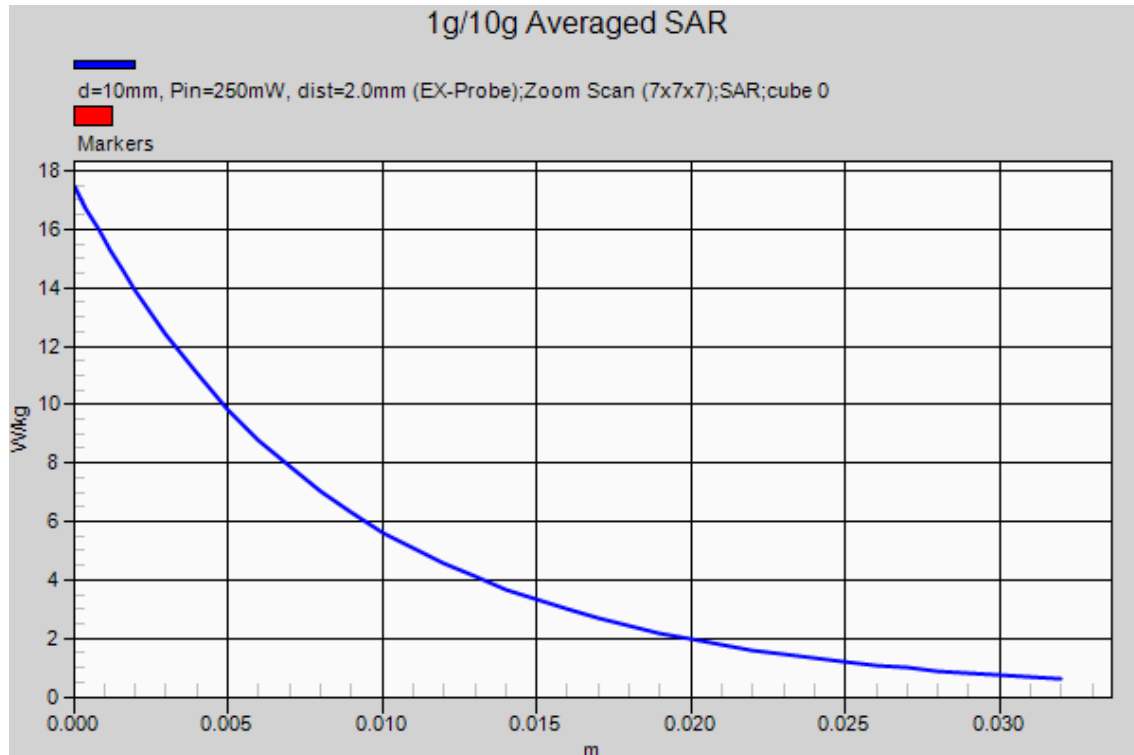
Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8$ mm, $dy=8$ mm, $dz=5$ mm

Reference Value = 96.80 V/m; Power Drift = -0.02 dB

Peak SAR (extrapolated) = 17.3 W/kg

SAR(1 g) = 9.67 W/kg; SAR(10 g) = 5.07 W/kg

Maximum value of SAR (measured) = 13.6 W/kg



DUT: Dipole 1900 MHz; Type: D1900V2; Serial: 5d183

Communication System: CW; Frequency: 1900 MHz

Medium parameters used: $f = 1900$ MHz; $\sigma = 1.513$ S/m; $\epsilon_r = 52.481$; $\rho = 1000$ kg/m³

Phantom section: Flat section

DASY Configuration

Probe: EX3DV4 - SN3957; ConvF(8.1, 8.1, 8.1); Calibrated: 2015/12/14;

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

Electronics: DAE4 Sn1409; Calibrated: 2015/12/08

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

MEASUREMENT SW: DASY52, VERSION 52.8 (8);

Test date: 2016-3-18; Ambient Temp: 22.9; Tissue Temp: 22.3

1900 MHz System Verification -Body-

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

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

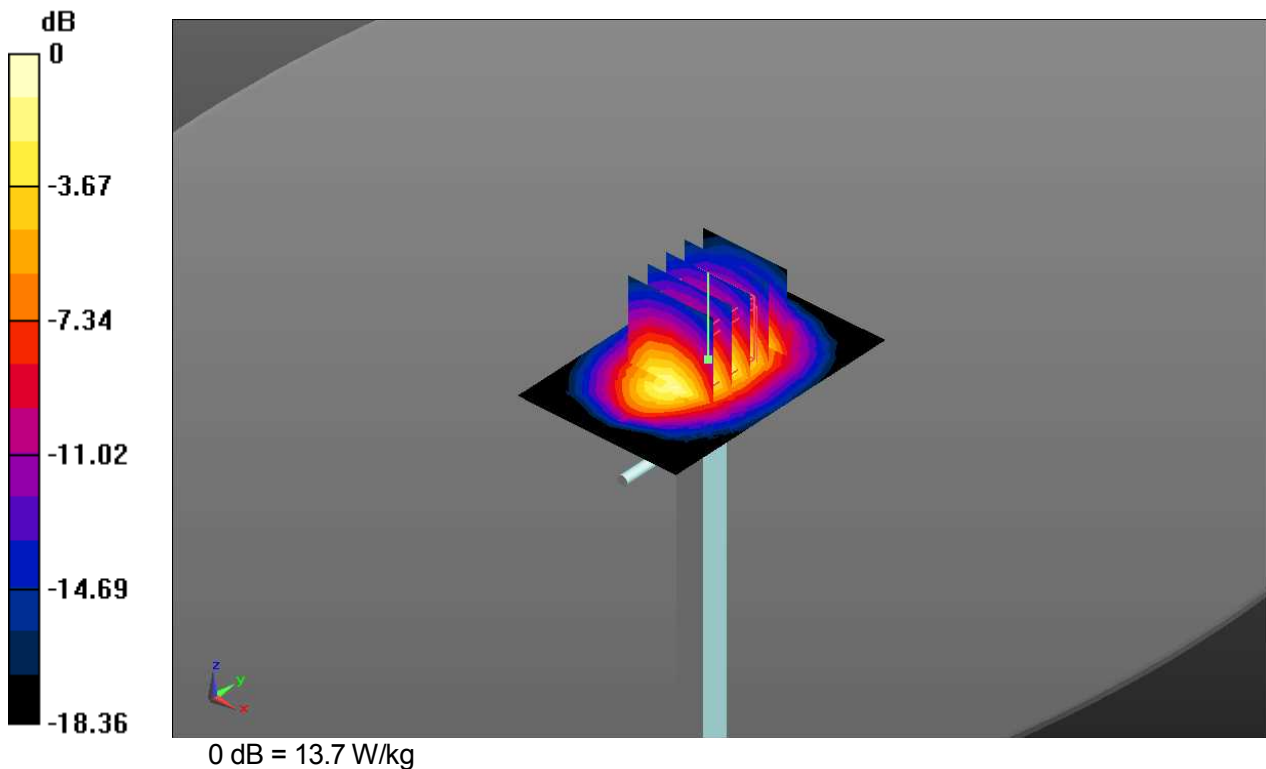
Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8$ mm, $dy=8$ mm, $dz=5$ mm

Reference Value = 97.50 V/m; Power Drift = 0.04 dB

Peak SAR (extrapolated) = 17.5 W/kg

SAR(1 g) = 9.77 W/kg; SAR(10 g) = 5.1 W/kg

Maximum value of SAR (measured) = 13.7 W/kg



DUT: Dipole 1900 MHz; Type: D1900V2; Serial: 5d183

Communication System: CW; Frequency: 1900 MHz

Medium parameters used: $f = 1900$ MHz; $\sigma = 1.513$ S/m; $\epsilon_r = 52.481$; $\rho = 1000$ kg/m³

Phantom section: Flat section

DASY Configuration

Probe: EX3DV4 - SN3957; ConvF(8.1, 8.1, 8.1); Calibrated: 2015/12/14;

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

Electronics: DAE4 Sn1409; Calibrated: 2015/12/08

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

MEASUREMENT SW: DASY52, VERSION 52.8 (8);

Test date: 2016-3-18; Ambient Temp: 22.9; Tissue Temp: 22.3

1900 MHz System Verification -Body-

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

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

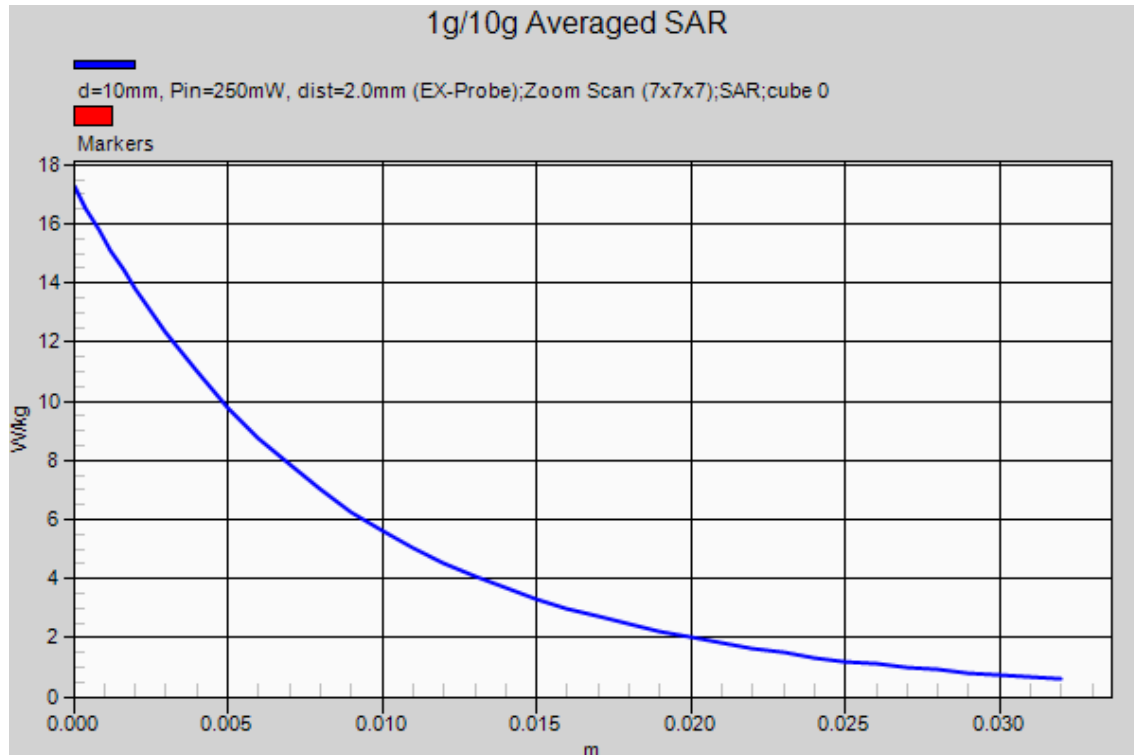
Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8$ mm, $dy=8$ mm, $dz=5$ mm

Reference Value = 97.50 V/m; Power Drift = 0.04 dB

Peak SAR (extrapolated) = 17.5 W/kg

SAR(1 g) = 9.77 W/kg; SAR(10 g) = 5.1 W/kg

Maximum value of SAR (measured) = 13.7 W/kg



DUT: Dipole 2450 MHz; Type: D2450V2; Serial: 925

Communication System: CW; Frequency: 2450 MHz

Medium parameters used: $f = 2450$ MHz; $\sigma = 1.843$ S/m; $\epsilon_r = 39.006$; $\rho = 1000$ kg/m³

Phantom section: Flat section

DASY Configuration

Probe: EX3DV4 - SN3957; ConvF(7.56, 7.56, 7.56); Calibrated: 2015/12/14;

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

Electronics: DAE4 Sn1409; Calibrated: 2015/12/08

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

MEASUREMENT SW: DASY52, VERSION 52.8 (8);

Test date: 2016-3-15; Ambient Temp: 23.5; Tissue Temp: 23.8

2450 MHz System Verification -Head-

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

Maximum value of SAR (measured) = 20.1 W/kg

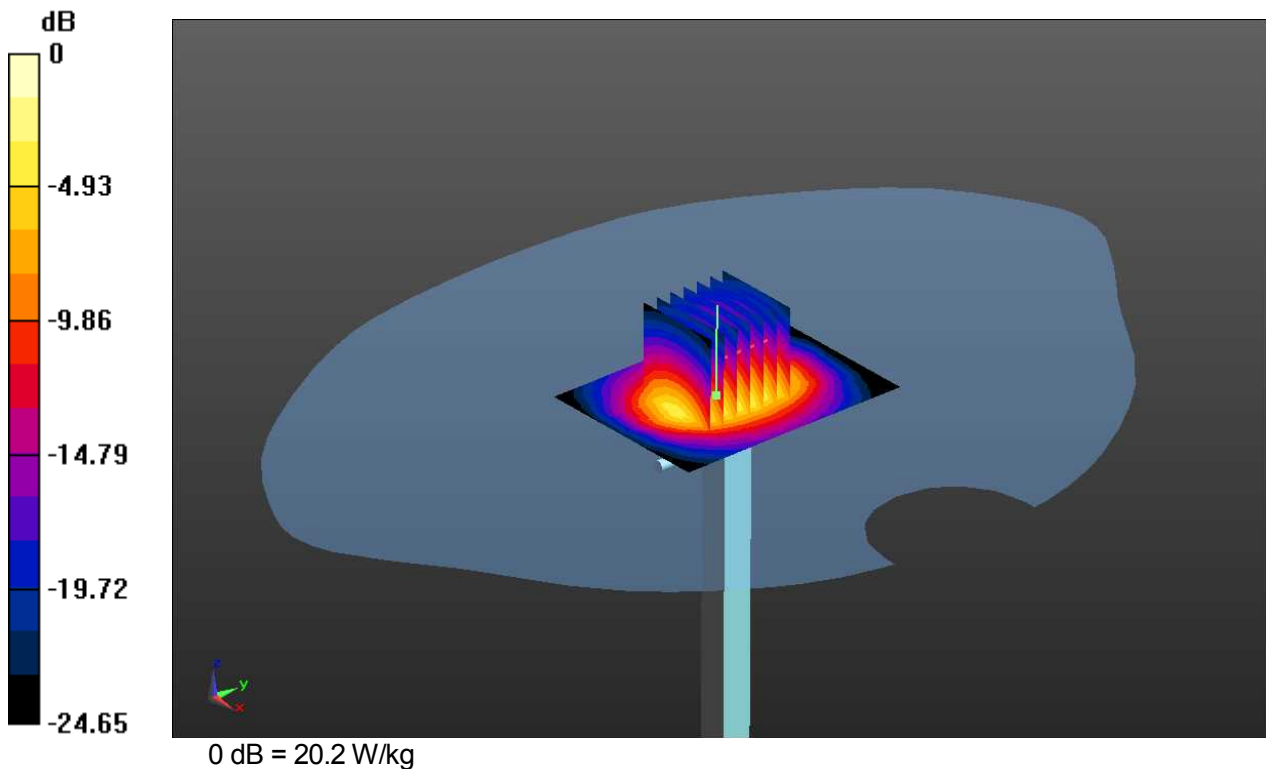
Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm

Reference Value = 106.5 V/m; Power Drift = 0.00 dB

Peak SAR (extrapolated) = 28.3 W/kg

SAR(1 g) = 12.9 W/kg; SAR(10 g) = 5.81 W/kg

Maximum value of SAR (measured) = 20.2 W/kg



DUT: Dipole 2450 MHz; Type: D2450V2; Serial: 925

Communication System: CW; Frequency: 2450 MHz

Medium parameters used: $f = 2450$ MHz; $\sigma = 1.843$ S/m; $\epsilon_r = 39.006$; $\rho = 1000$ kg/m³

Phantom section: Flat section

DASY Configuration

Probe: EX3DV4 - SN3957; ConvF(7.56, 7.56, 7.56); Calibrated: 2015/12/14;

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

Electronics: DAE4 Sn1409; Calibrated: 2015/12/08

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

MEASUREMENT SW: DASY52, VERSION 52.8 (8);

Test date: 2016-3-15; Ambient Temp: 23.5; Tissue Temp: 23.8

2450 MHz System Verification -Head-

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

Maximum value of SAR (measured) = 20.1 W/kg

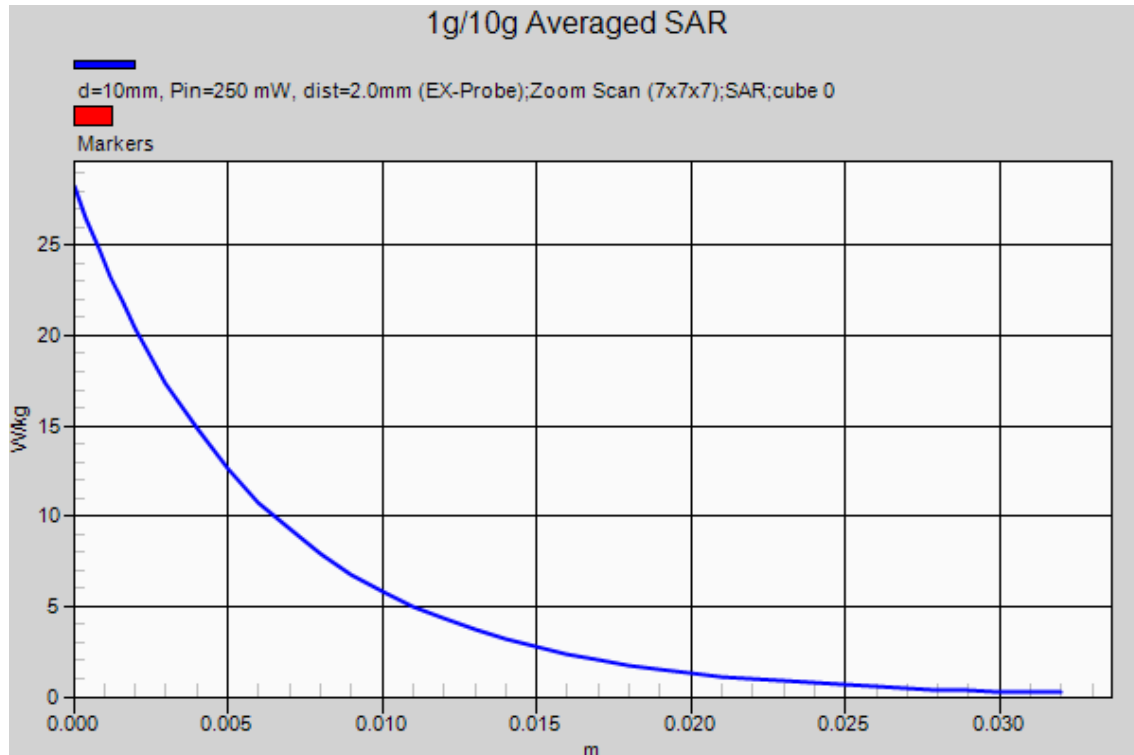
Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm

Reference Value = 106.5 V/m; Power Drift = 0.00 dB

Peak SAR (extrapolated) = 28.3 W/kg

SAR(1 g) = 12.9 W/kg; SAR(10 g) = 5.81 W/kg

Maximum value of SAR (measured) = 20.2 W/kg



DUT: Dipole 2450 MHz; Type: D2450V2; Serial: 925

Communication System: CW; Frequency: 2450 MHz

Medium parameters used: $f = 2450$ MHz; $\sigma = 1.978$ S/m; $\epsilon_r = 51.384$; $\rho = 1000$ kg/m³

Phantom section: Flat section

DASY Configuration

Probe: EX3DV4 - SN3957; ConvF(7.67, 7.67, 7.67); Calibrated: 2015/12/14;

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

Electronics: DAE4 Sn1409; Calibrated: 2015/12/08

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

MEASUREMENT SW: DASY52, VERSION 52.8 (8);

Test date: 2016-3-16; Ambient Temp: 23.1; Tissue Temp: 22.7

2450 MHz System Verification -Body-

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

Maximum value of SAR (measured) = 19.2 W/kg

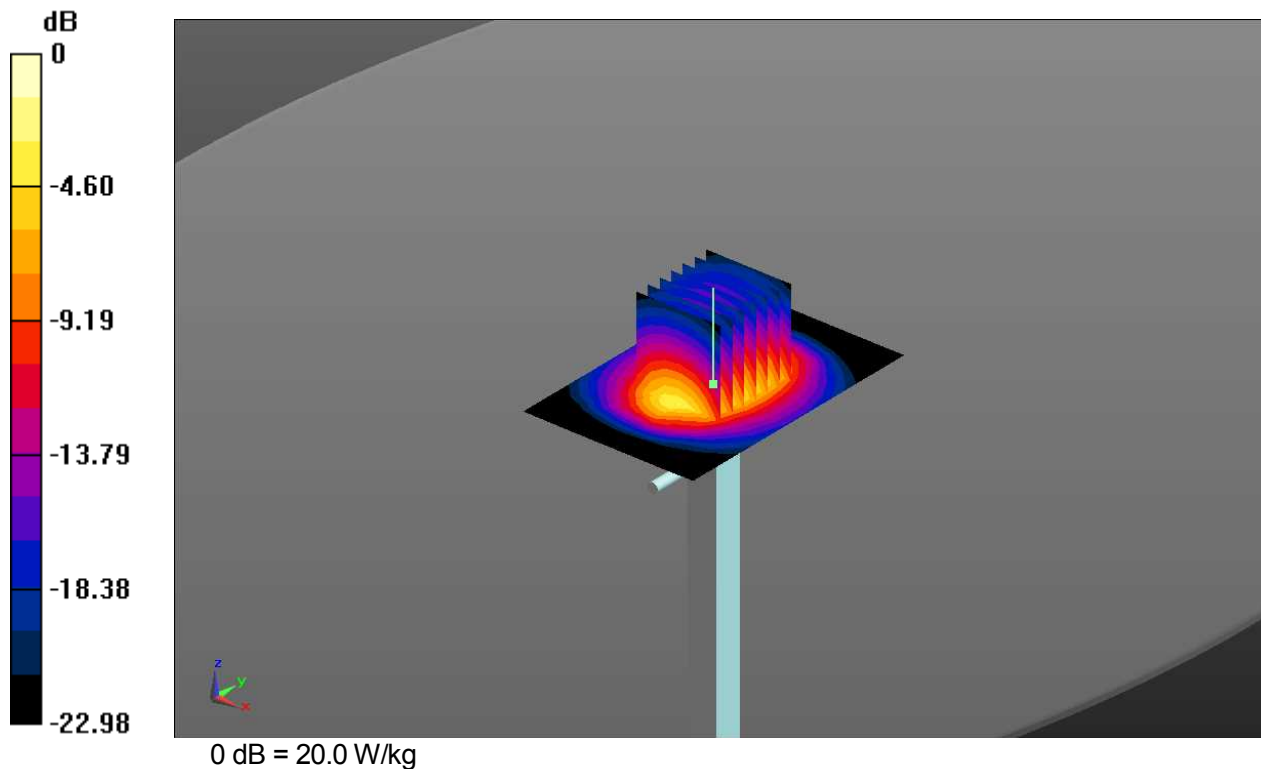
Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm

Reference Value = 101.7 V/m; Power Drift = 0.16 dB

Peak SAR (extrapolated) = 27.3 W/kg

SAR(1 g) = 13 W/kg; SAR(10 g) = 5.87 W/kg

Maximum value of SAR (measured) = 20.0 W/kg



DUT: Dipole 2450 MHz; Type: D2450V2; Serial: 925

Communication System: CW; Frequency: 2450 MHz

Medium parameters used: $f = 2450$ MHz; $\sigma = 1.978$ S/m; $\epsilon_r = 51.384$; $\rho = 1000$ kg/m³

Phantom section: Flat section

DASY Configuration

Probe: EX3DV4 - SN3957; ConvF(7.67, 7.67, 7.67); Calibrated: 2015/12/14;

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

Electronics: DAE4 Sn1409; Calibrated: 2015/12/08

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

MEASUREMENT SW: DASY52, VERSION 52.8 (8);

Test date: 2016-3-16; Ambient Temp: 23.1; Tissue Temp: 22.7

2450 MHz System Verification -Body-

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

Maximum value of SAR (measured) = 19.2 W/kg

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

Reference Value = 101.7 V/m; Power Drift = 0.16 dB

Peak SAR (extrapolated) = 27.3 W/kg

SAR(1 g) = 13 W/kg; SAR(10 g) = 5.87 W/kg

Maximum value of SAR (measured) = 20.0 W/kg

