

Dipole Verification Plots

DUT: Dipole 750 MHz; Type: D750V3; Serial: 1115

Communication System: CW; Frequency: 750 MHz

Medium parameters used: $f = 750$ MHz; $\sigma = 0.926$ S/m; $\epsilon_r = 41.816$; $\rho = 1000$ kg/m³

Phantom section: Flat section

DASY Configuration

Probe: EX3DV4 - SN3745; ConvF(9.38, 9.38, 9.38); Calibrated: 4/15/2014;

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

Electronics: DAE4 Sn539; Calibrated: 10/15/2014

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

Measurement SW: DASY52, Version 52.8 (8)

Test date: 2014-12-22; Ambient Temp: 23.1; Tissue Temp: 20.9

750 MHz System Verification -Head-

Area Scan (5x14x1): Measurement grid: $dx=15$ mm, $dy=15$ mm

Maximum value of SAR (measured) = 2.62 W/kg

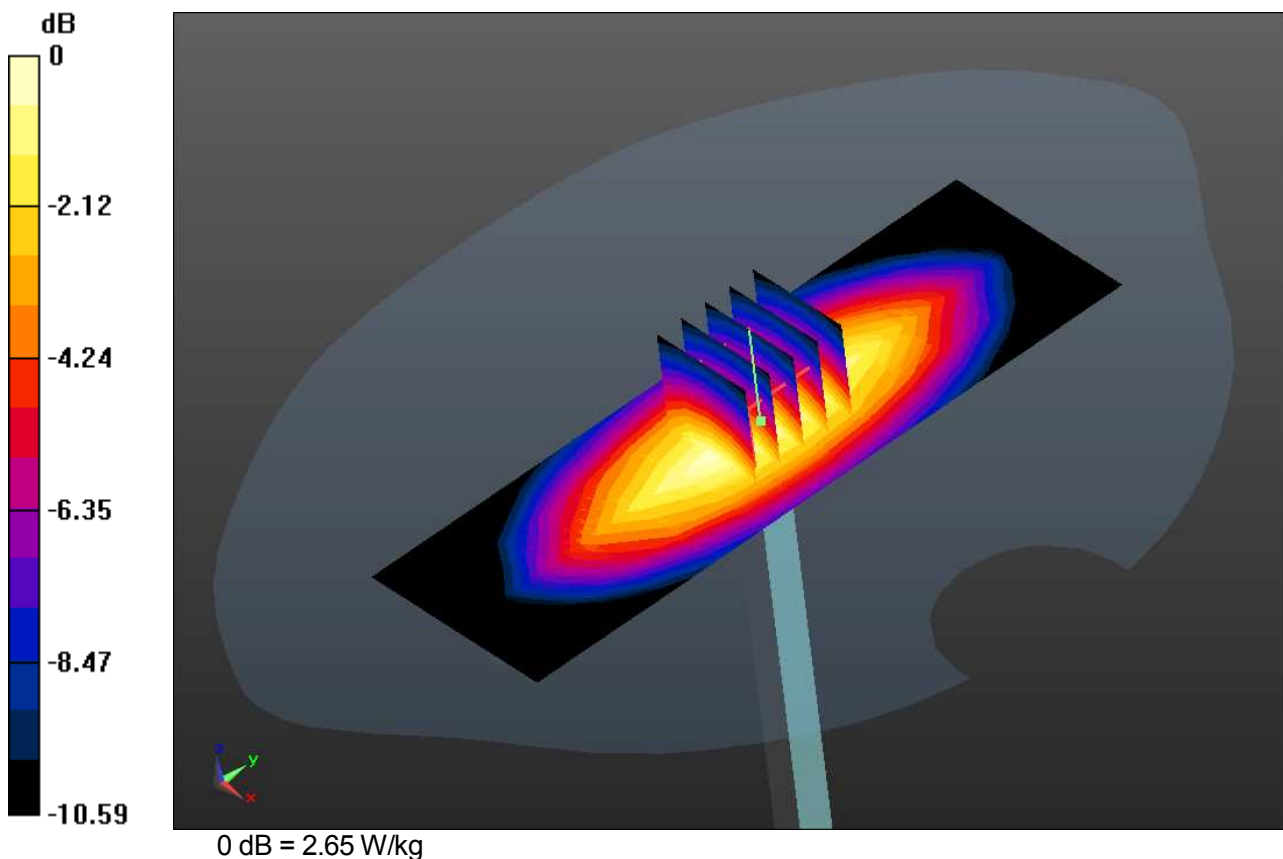
Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8$ mm, $dy=8$ mm, $dz=5$ mm

Reference Value = 54.69 V/m; Power Drift = 0.06 dB

Peak SAR (extrapolated) = 3.13 W/kg

SAR(1 g) = 2.09 W/kg; SAR(10 g) = 1.37 W/kg

Maximum value of SAR (measured) = 2.65 W/kg



DUT: Dipole 750 MHz; Type: D750V3; Serial: 1115

Communication System: CW; Frequency: 750 MHz

Medium parameters used: $f = 750 \text{ MHz}$; $\sigma = 0.926 \text{ S/m}$; $\epsilon_r = 41.816$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat section

DASY Configuration

Probe: EX3DV4 - SN3745; ConvF(9.38, 9.38, 9.38); Calibrated: 4/15/2014;

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

Electronics: DAE4 Sn539; Calibrated: 10/15/2014

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

Measurement SW: DASY52, Version 52.8 (8)

Test date: 2014-12-22; Ambient Temp: 23.1; Tissue Temp: 20.9

750 MHz System Verification -Head-

Area Scan (5x14x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

Maximum value of SAR (measured) = 2.62 W/kg

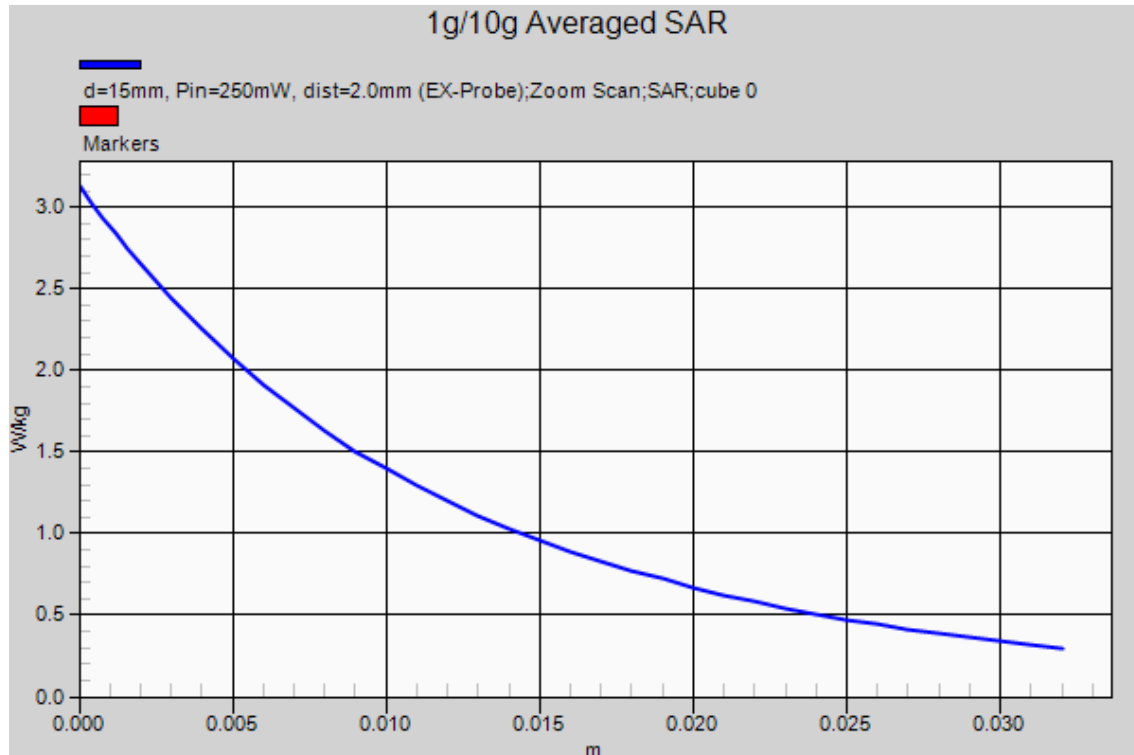
Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

Reference Value = 54.69 V/m; Power Drift = 0.06 dB

Peak SAR (extrapolated) = 3.13 W/kg

SAR(1 g) = 2.09 W/kg; SAR(10 g) = 1.37 W/kg

Maximum value of SAR (measured) = 2.65 W/kg



DUT: Dipole 750 MHz; Type: D750V3; Serial: 1115

Communication System: CW; Frequency: 750 MHz

Medium parameters used: $f = 750$ MHz; $\sigma = 0.978$ S/m; $\epsilon_r = 56.417$; $\rho = 1000$ kg/m³

Phantom section: Flat section

DASY Configuration

Probe: EX3DV4 - SN3745; ConvF(8.96, 8.96, 8.96); Calibrated: 4/15/2014;

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

Electronics: DAE4 Sn539; Calibrated: 10/15/2014

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

Measurement SW: DASY52, Version 52.8 (8)

Test date: 2014-12-23; Ambient Temp: 22.9; Tissue Temp: 23.2

750 MHz System Verification -Body-

Area Scan (5x14x1): Measurement grid: $dx=15$ mm, $dy=15$ mm

Maximum value of SAR (measured) = 2.64 W/kg

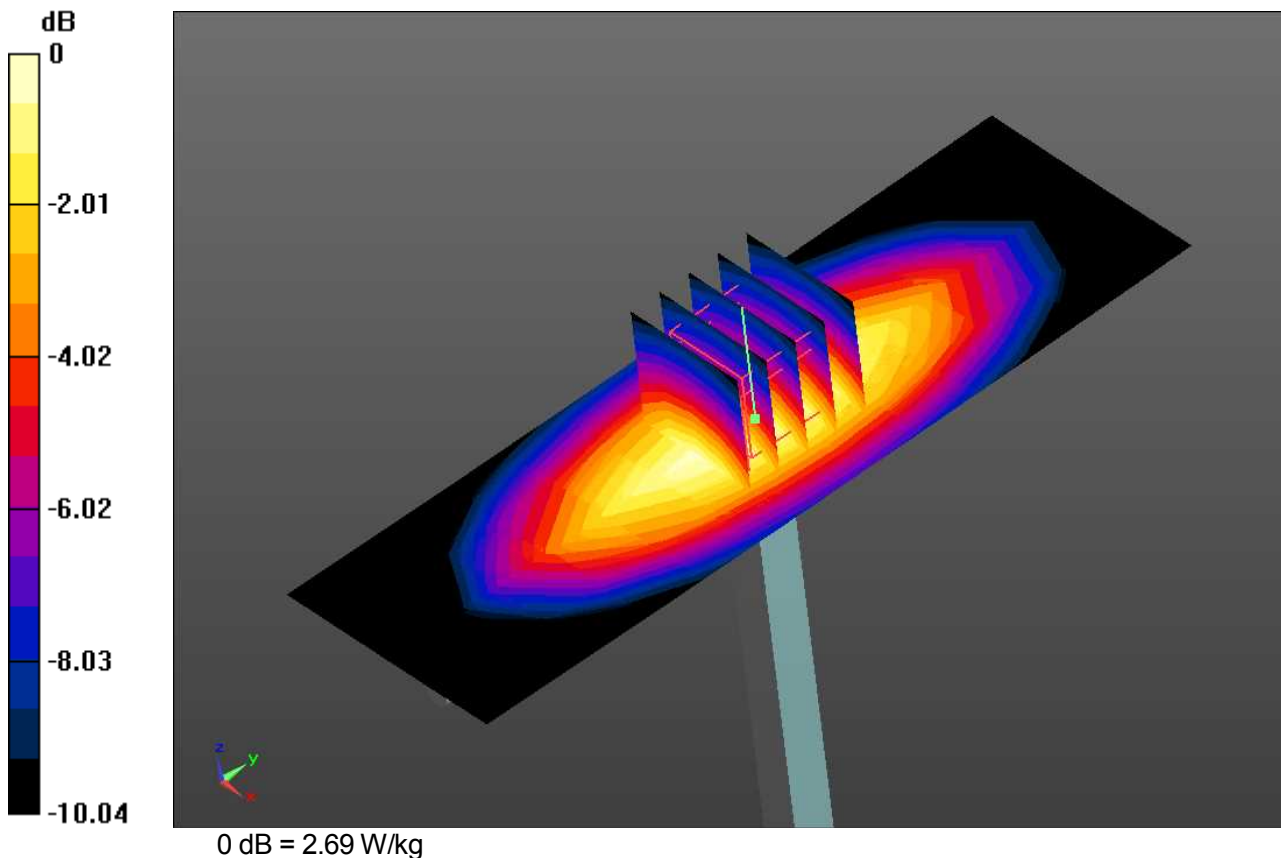
Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8$ mm, $dy=8$ mm, $dz=5$ mm

Reference Value = 53.43 V/m; Power Drift = 0.05 dB

Peak SAR (extrapolated) = 3.14 W/kg

SAR(1 g) = 2.14 W/kg; SAR(10 g) = 1.43 W/kg

Maximum value of SAR (measured) = 2.69 W/kg



DUT: Dipole 750 MHz; Type: D750V3; Serial: 1115

Communication System: CW; Frequency: 750 MHz

Medium parameters used: $f = 750$ MHz; $\sigma = 0.978$ S/m; $\epsilon_r = 56.417$; $\rho = 1000$ kg/m³

Phantom section: Flat section

DASY Configuration

Probe: EX3DV4 - SN3745; ConvF(8.96, 8.96, 8.96); Calibrated: 4/15/2014;

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

Electronics: DAE4 Sn539; Calibrated: 10/15/2014

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

Measurement SW: DASY52, Version 52.8 (8)

Test date: 2014-12-23; Ambient Temp: 22.9; Tissue Temp: 23.2

750 MHz System Verification -Body-

Area Scan (5x14x1): Measurement grid: $dx=15$ mm, $dy=15$ mm

Maximum value of SAR (measured) = 2.64 W/kg

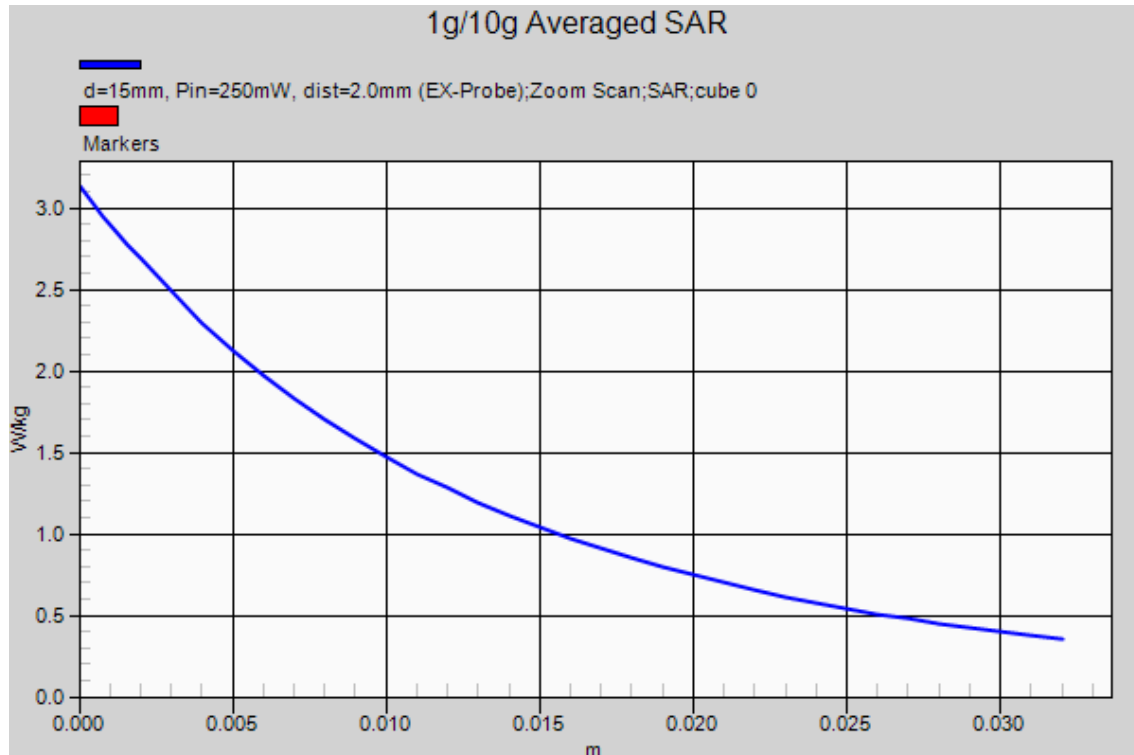
Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8$ mm, $dy=8$ mm, $dz=5$ mm

Reference Value = 53.43 V/m; Power Drift = 0.05 dB

Peak SAR (extrapolated) = 3.14 W/kg

SAR(1 g) = 2.14 W/kg; SAR(10 g) = 1.43 W/kg

Maximum value of SAR (measured) = 2.69 W/kg



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

Communication System: CW; Frequency: 835 MHz

Medium parameters used: $f = 835 \text{ MHz}$; $\sigma = 0.905 \text{ S/m}$; $\epsilon_r = 41.844$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat section

DASY Configuration

Probe: EX3DV4 - SN3745; ConvF(8.92, 8.92, 8.92); Calibrated: 4/15/2014;

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

Electronics: DAE4 Sn539; Calibrated: 10/15/2014

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

Measurement SW: DASY52, Version 52.8 (8)

Test date: 2014-12-17; Ambient Temp: 21.0; Tissue Temp: 20.1

835 MHz System Verification -Head-

Area Scan (6x13x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

Maximum value of SAR (measured) = 2.68 W/kg

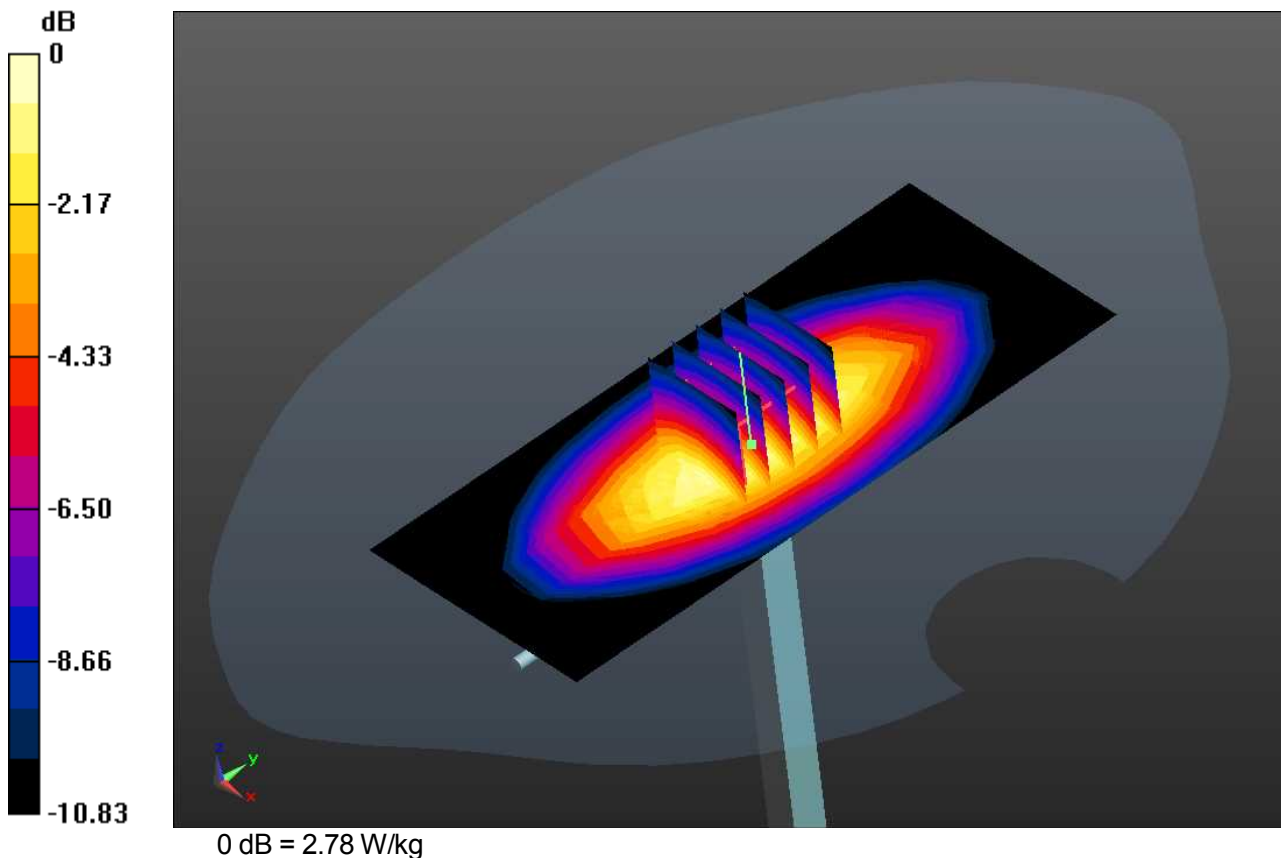
Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

Reference Value = 56.52 V/m; Power Drift = 0.01 dB

Peak SAR (extrapolated) = 3.27 W/kg

SAR(1 g) = 2.19 W/kg; SAR(10 g) = 1.44 W/kg

Maximum value of SAR (measured) = 2.78 W/kg



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

Communication System: CW; Frequency: 835 MHz

Medium parameters used: $f = 835$ MHz; $\sigma = 0.905$ S/m; $\epsilon_r = 41.844$; $\rho = 1000$ kg/m³

Phantom section: Flat section

DASY Configuration

Probe: EX3DV4 - SN3745; ConvF(8.92, 8.92, 8.92); Calibrated: 4/15/2014;

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

Electronics: DAE4 Sn539; Calibrated: 10/15/2014

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

Measurement SW: DASY52, Version 52.8 (8)

Test date: 2014-12-17; Ambient Temp: 21.0; Tissue Temp: 20.1

835 MHz System Verification -Head-

Area Scan (6x13x1): Measurement grid: $dx=15$ mm, $dy=15$ mm

Maximum value of SAR (measured) = 2.68 W/kg

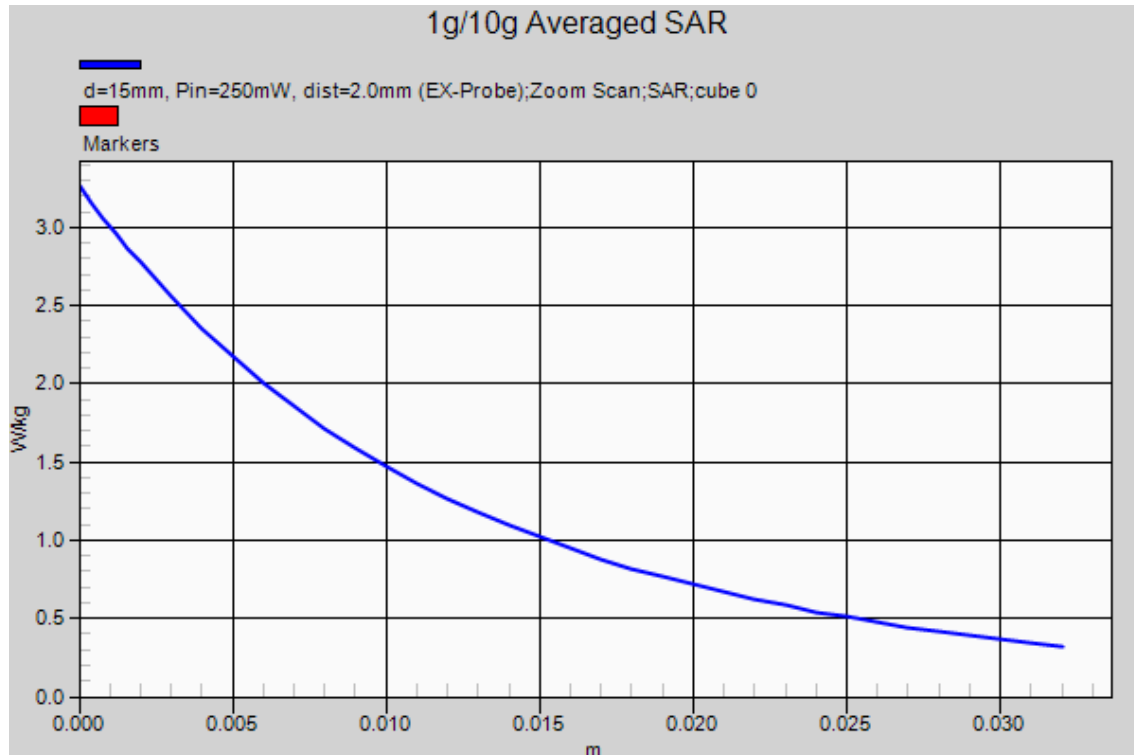
Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8$ mm, $dy=8$ mm, $dz=5$ mm

Reference Value = 56.52 V/m; Power Drift = 0.01 dB

Peak SAR (extrapolated) = 3.27 W/kg

SAR(1 g) = 2.19 W/kg; SAR(10 g) = 1.44 W/kg

Maximum value of SAR (measured) = 2.78 W/kg



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

Communication System: CW; Frequency: 835 MHz

Medium parameters used: $f = 835 \text{ MHz}$; $\sigma = 1.015 \text{ S/m}$; $\epsilon_r = 53.746$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat section

DASY Configuration

Probe: EX3DV4 - SN3745; ConvF(8.67, 8.67, 8.67); Calibrated: 4/15/2014;

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

Electronics: DAE4 Sn539; Calibrated: 10/15/2014

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

Measurement SW: DASY52, Version 52.8 (8)

Test date: 2014-12-18; Ambient Temp: 23.1; Tissue Temp: 22.4

835 MHz System Verification -Body-

Area Scan (6x13x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

Maximum value of SAR (measured) = 2.85 W/kg

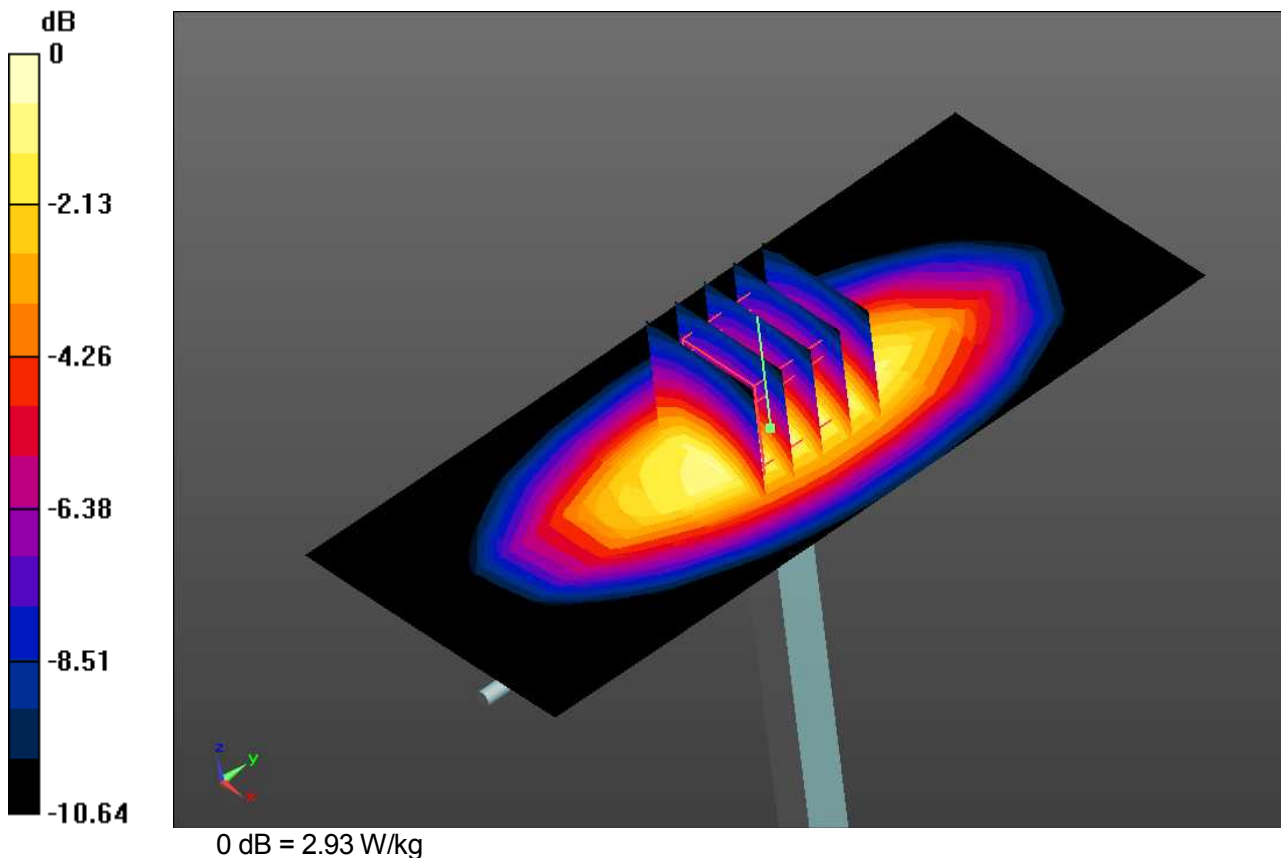
Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

Reference Value = 54.63 V/m; Power Drift = -0.03 dB

Peak SAR (extrapolated) = 3.43 W/kg

SAR(1 g) = 2.32 W/kg; SAR(10 g) = 1.53 W/kg

Maximum value of SAR (measured) = 2.93 W/kg



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

Communication System: CW; Frequency: 835 MHz

Medium parameters used: $f = 835 \text{ MHz}$; $\sigma = 1.015 \text{ S/m}$; $\epsilon_r = 53.746$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat section

DASY Configuration

Probe: EX3DV4 - SN3745; ConvF(8.67, 8.67, 8.67); Calibrated: 4/15/2014;

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

Electronics: DAE4 Sn539; Calibrated: 10/15/2014

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

Measurement SW: DASY52, Version 52.8 (8)

Test date: 2014-12-18; Ambient Temp: 23.1; Tissue Temp: 22.4

835 MHz System Verification -Body-

Area Scan (6x13x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

Maximum value of SAR (measured) = 2.85 W/kg

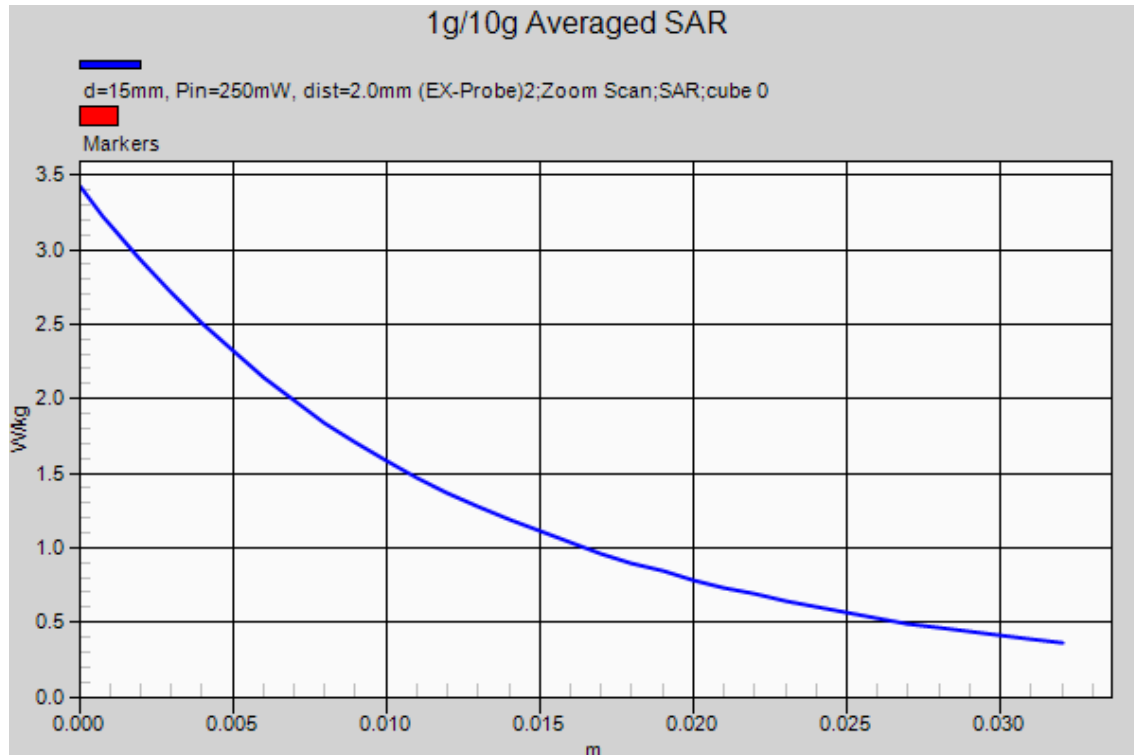
Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

Reference Value = 54.63 V/m; Power Drift = -0.03 dB

Peak SAR (extrapolated) = 3.43 W/kg

SAR(1 g) = 2.32 W/kg; SAR(10 g) = 1.53 W/kg

Maximum value of SAR (measured) = 2.93 W/kg



DUT: Dipole 835 MHz; Type: D835V2; Serial: 4d163

Communication System: CW; Frequency: 835 MHz

Medium parameters used: $f = 835 \text{ MHz}$; $\sigma = 0.894 \text{ S/m}$; $\epsilon_r = 41.588$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat section

DASY Configuration

Probe: EX3DV4 - SN3957; ConvF(9.97, 9.97, 9.97); Calibrated: 12/16/2014;

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

Electronics: DAE4 Sn1409; Calibrated: 12/11/2014

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

Measurement SW: DASY52, Version 52.8 (8)

Test date: 2015-1-23; Ambient Temp: 22.4; Tissue Temp: 21.8

835 MHz System Verification -Head-

Area Scan (6x13x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

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

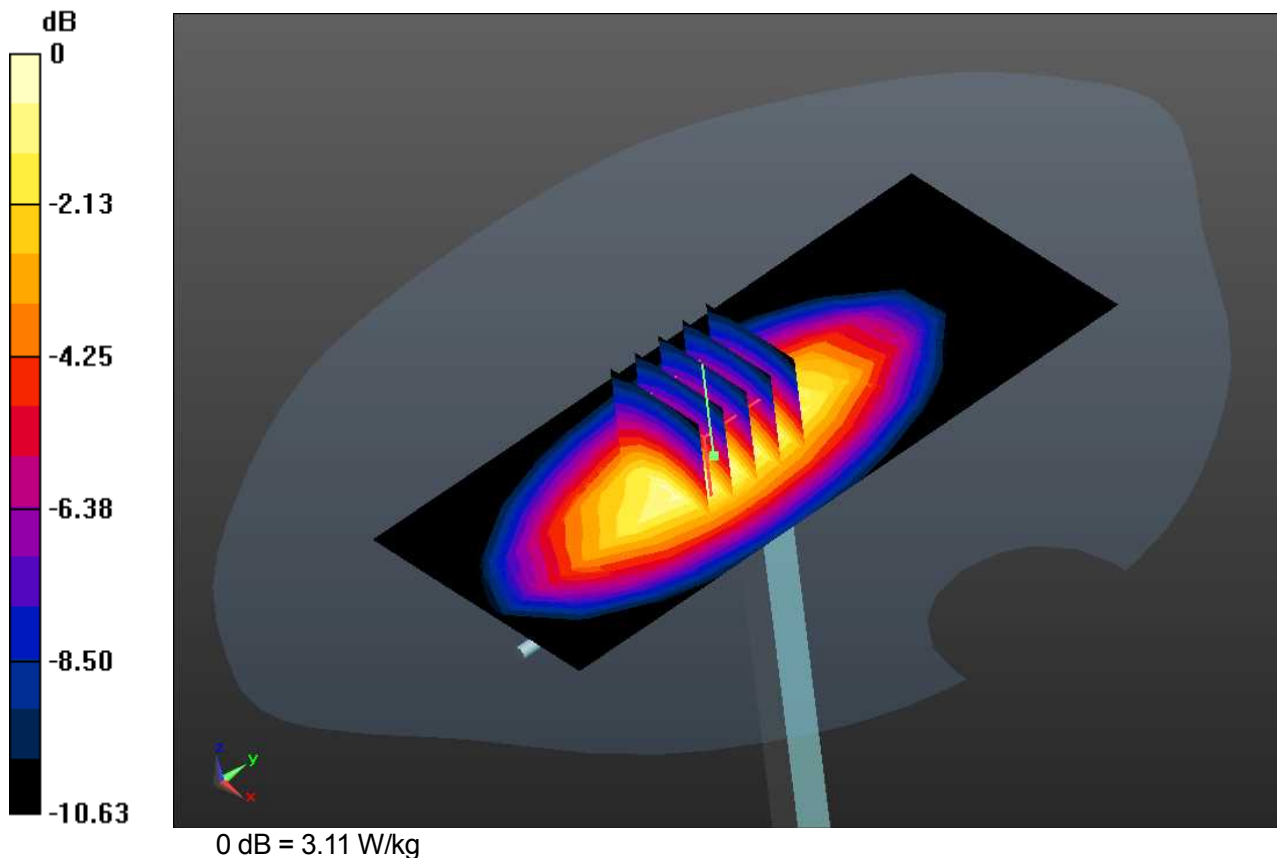
Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

Reference Value = 58.33 V/m; Power Drift = -0.01 dB

Peak SAR (extrapolated) = 3.69 W/kg

SAR(1 g) = 2.45 W/kg; SAR(10 g) = 1.60 W/kg

Maximum value of SAR (measured) = 3.11 W/kg



DUT: Dipole 835 MHz; Type: D835V2; Serial: 4d163

Communication System: CW; Frequency: 835 MHz

Medium parameters used: $f = 835 \text{ MHz}$; $\sigma = 0.894 \text{ S/m}$; $\epsilon_r = 41.588$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat section

DASY Configuration

Probe: EX3DV4 - SN3957; ConvF(9.97, 9.97, 9.97); Calibrated: 12/16/2014;

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

Electronics: DAE4 Sn1409; Calibrated: 12/11/2014

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

Measurement SW: DASY52, Version 52.8 (8)

Test date: 2015-1-23; Ambient Temp: 22.4; Tissue Temp: 21.8

835 MHz System Verification -Head-

Area Scan (6x13x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

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

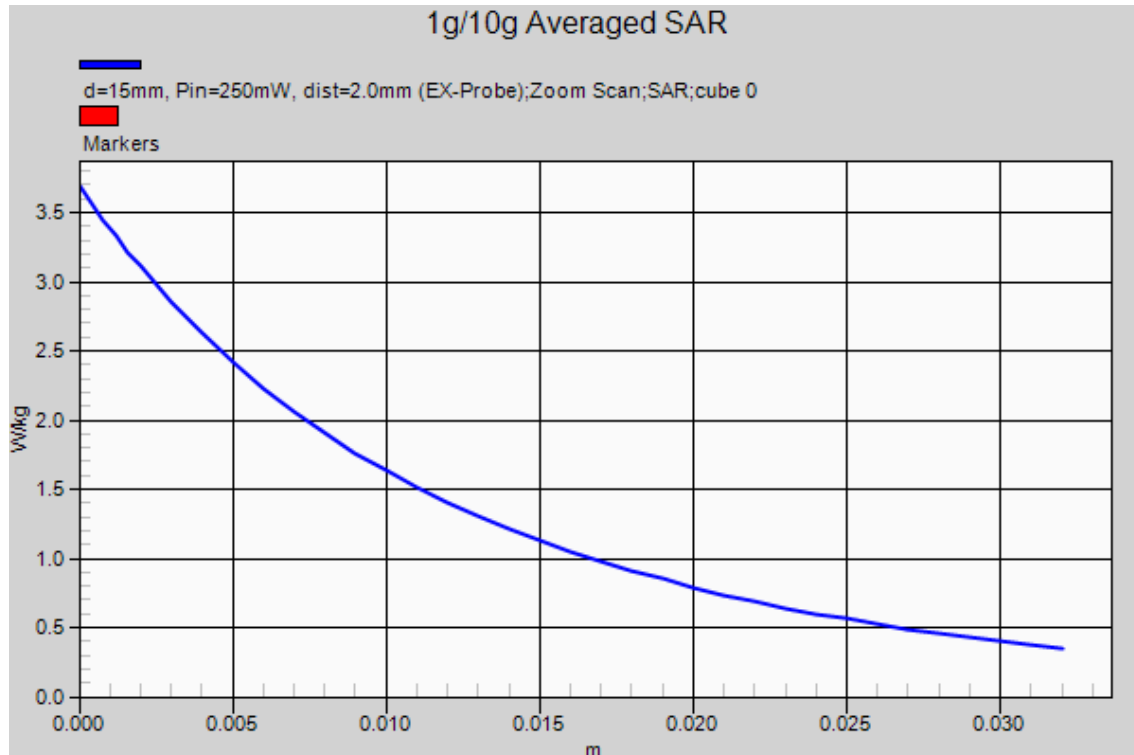
Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

Reference Value = 58.33 V/m; Power Drift = -0.01 dB

Peak SAR (extrapolated) = 3.69 W/kg

SAR(1 g) = 2.45 W/kg; SAR(10 g) = 1.60 W/kg

Maximum value of SAR (measured) = 3.11 W/kg



DUT: Dipole 835 MHz; Type: D835V2; Serial: 4d163

Communication System: CW; Frequency: 835 MHz

Medium parameters used: $f = 835 \text{ MHz}$; $\sigma = 1.01 \text{ S/m}$; $\epsilon_r = 54.463$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat section

DASY Configuration

Probe: EX3DV4 - SN3957; ConvF(9.84, 9.84, 9.84); Calibrated: 12/16/2014;

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

Electronics: DAE4 Sn1409; Calibrated: 12/11/2014

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

Measurement SW: DASY52, Version 52.8 (8)

Test date: 2015-1-23; Ambient Temp: 23.5; Tissue Temp: 22.8

835 MHz System Verification -Body-

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

Maximum value of SAR (measured) = 2.82 W/kg

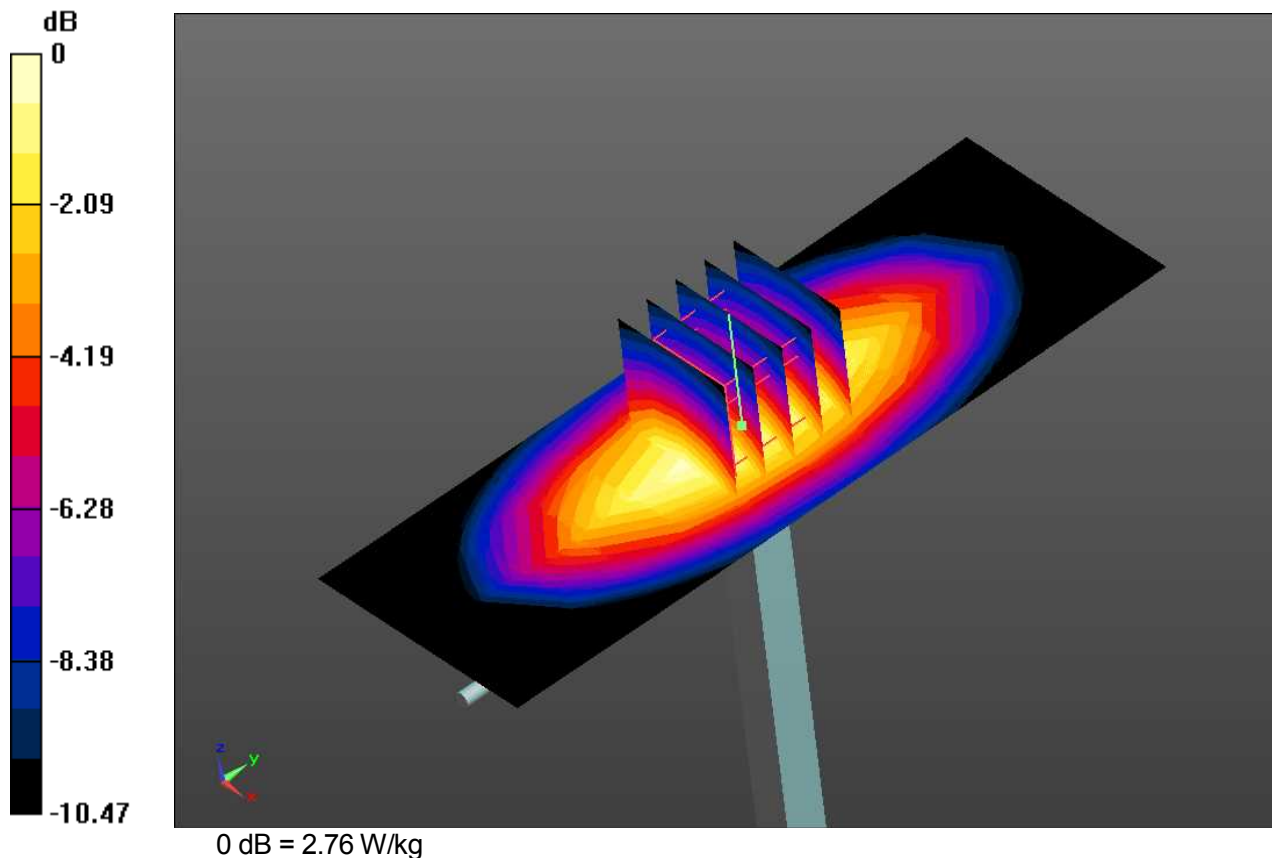
Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

Reference Value = 55.39 V/m; Power Drift = -0.18 dB

Peak SAR (extrapolated) = 3.28 W/kg

SAR(1 g) = 2.16 W/kg; SAR(10 g) = 1.42 W/kg

Maximum value of SAR (measured) = 2.76 W/kg



DUT: Dipole 835 MHz; Type: D835V2; Serial: 4d163

Communication System: CW; Frequency: 835 MHz

Medium parameters used: $f = 835$ MHz; $\sigma = 1.01$ S/m; $\epsilon_r = 54.463$; $\rho = 1000$ kg/m³

Phantom section: Flat section

DASY Configuration

Probe: EX3DV4 - SN3957; ConvF(9.84, 9.84, 9.84); Calibrated: 12/16/2014;

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

Electronics: DAE4 Sn1409; Calibrated: 12/11/2014

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

Measurement SW: DASY52, Version 52.8 (8)

Test date: 2015-1-23; Ambient Temp: 23.5; Tissue Temp: 22.8

835 MHz System Verification -Body-

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

Maximum value of SAR (measured) = 2.82 W/kg

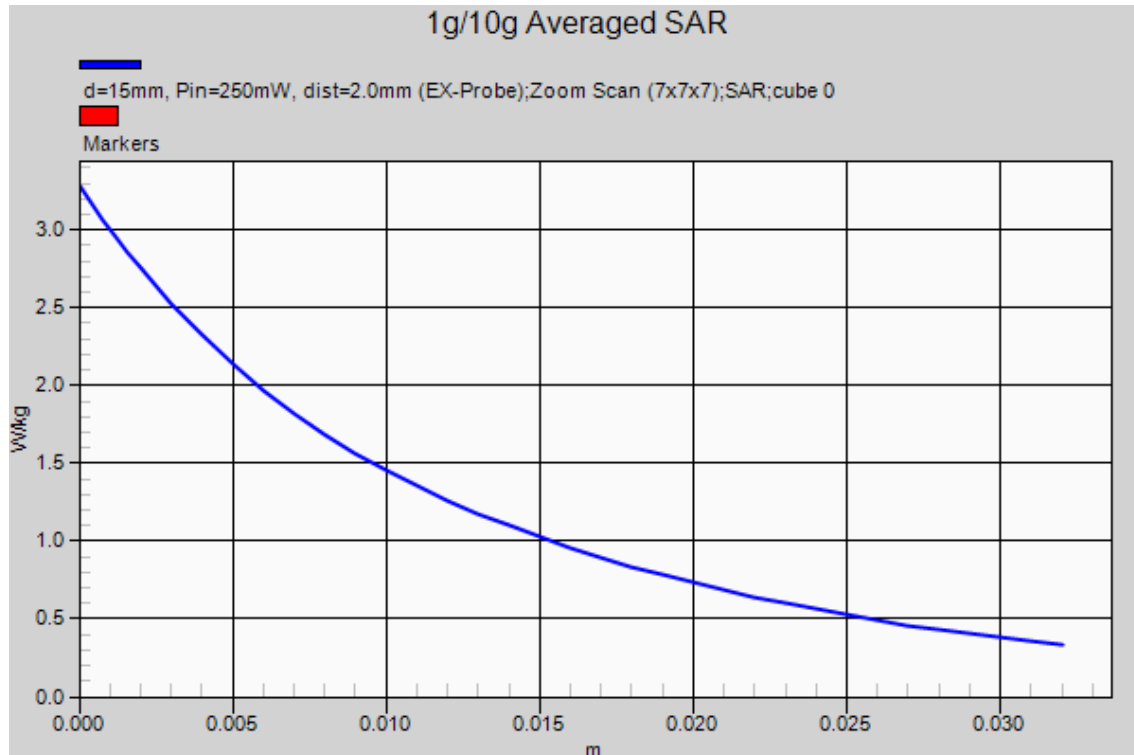
Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8$ mm, $dy=8$ mm, $dz=5$ mm

Reference Value = 55.39 V/m; Power Drift = -0.18 dB

Peak SAR (extrapolated) = 3.28 W/kg

SAR(1 g) = 2.16 W/kg; SAR(10 g) = 1.42 W/kg

Maximum value of SAR (measured) = 2.76 W/kg



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

Communication System: CW; Frequency: 1900 MHz

Medium parameters used: $f = 1900$ MHz; $\sigma = 1.425$ S/m; $\epsilon_r = 40.143$; $\rho = 1000$ kg/m³

Phantom section: Flat section

DASY Configuration

Probe: EX3DV4 - SN3745; ConvF(7.12, 7.12, 7.12); Calibrated: 4/15/2014;

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

Electronics: DAE4 Sn539; Calibrated: 10/15/2014

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

MEASUREMENT SW: DASY52, VERSION 52.8 (8);

Test date: 2014-12-18; Ambient Temp: 22.8; Tissue Temp: 20.3

1900 MHz System Verification -Head-

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

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

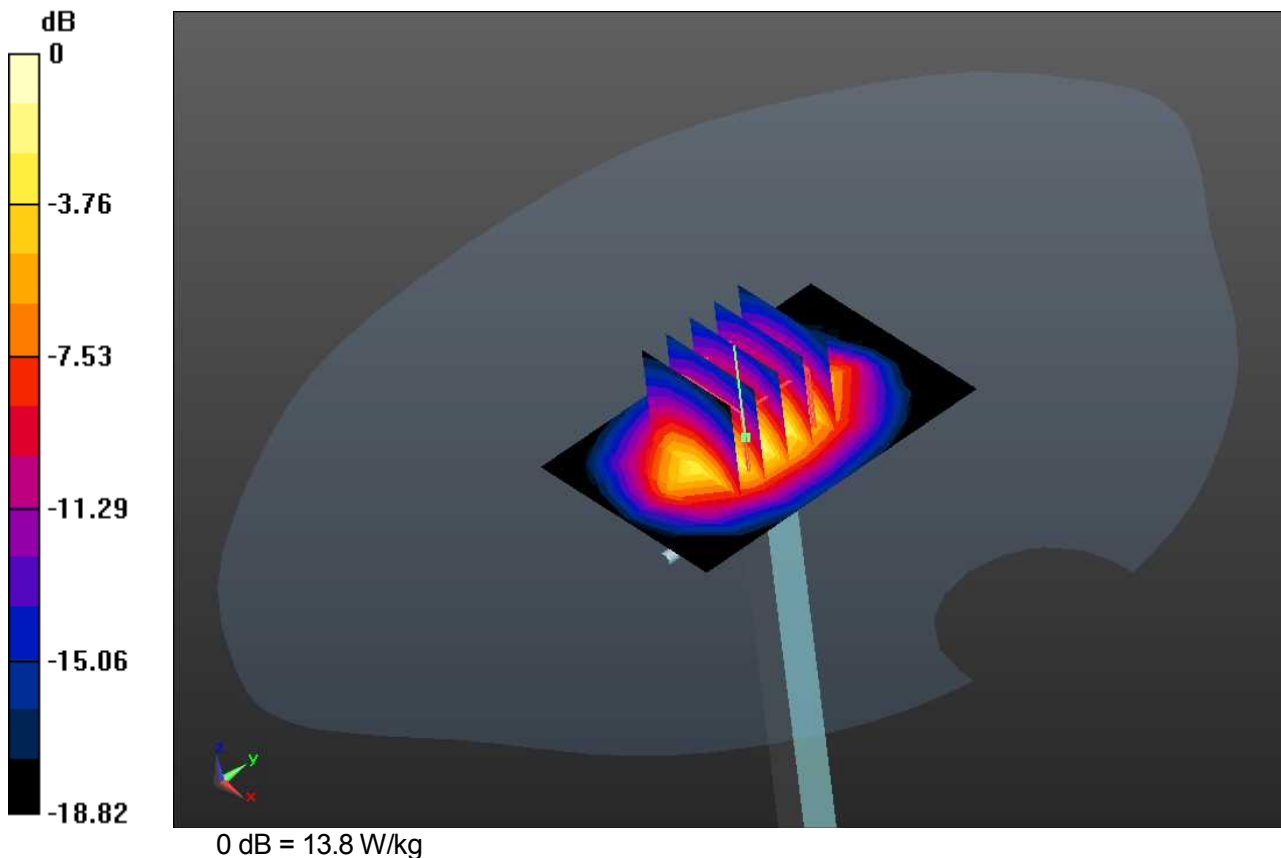
Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8$ mm, $dy=8$ mm, $dz=5$ mm

Reference Value = 100.6 V/m; Power Drift = -0.01 dB

Peak SAR (extrapolated) = 18.0 W/kg

SAR(1 g) = 9.63 W/kg; SAR(10 g) = 4.96 W/kg

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



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

Communication System: CW; Frequency: 1900 MHz

Medium parameters used: $f = 1900$ MHz; $\sigma = 1.425$ S/m; $\epsilon_r = 40.143$; $\rho = 1000$ kg/m³

Phantom section: Flat section

DASY Configuration

Probe: EX3DV4 - SN3745; ConvF(7.12, 7.12, 7.12); Calibrated: 4/15/2014;

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

Electronics: DAE4 Sn539; Calibrated: 10/15/2014

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

MEASUREMENT SW: DASY52, VERSION 52.8 (8);

Test date: 2014-12-18; Ambient Temp: 22.8; Tissue Temp: 20.3

1900 MHz System Verification -Head-

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

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

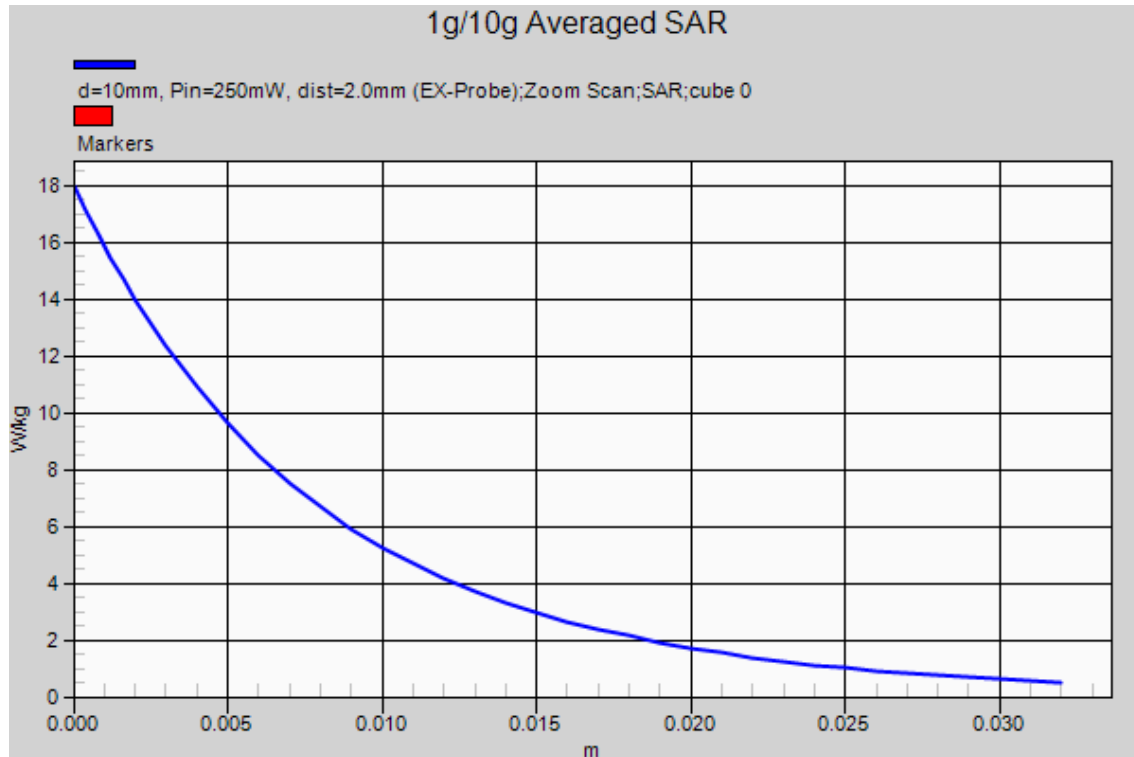
Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8$ mm, $dy=8$ mm, $dz=5$ mm

Reference Value = 100.6 V/m; Power Drift = -0.01 dB

Peak SAR (extrapolated) = 18.0 W/kg

SAR(1 g) = 9.63 W/kg; SAR(10 g) = 4.96 W/kg

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



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

Communication System: CW; Frequency: 1900 MHz

Medium parameters used: $f = 1900$ MHz; $\sigma = 1.517$ S/m; $\epsilon_r = 52.738$; $\rho = 1000$ kg/m³

Phantom section: Flat section

DASY Configuration

Probe: EX3DV4 - SN3745; ConvF(7.21, 7.21, 7.21); Calibrated: 4/15/2014;

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

Electronics: DAE4 Sn539; Calibrated: 10/15/2014

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

MEASUREMENT SW: DASY52, VERSION 52.8 (8);

Test date: 2014-12-19; Ambient Temp: 23.0; Tissue Temp: 22.0

1900 MHz System Verification -Body-

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

Maximum value of SAR (measured) = 13.4 W/kg

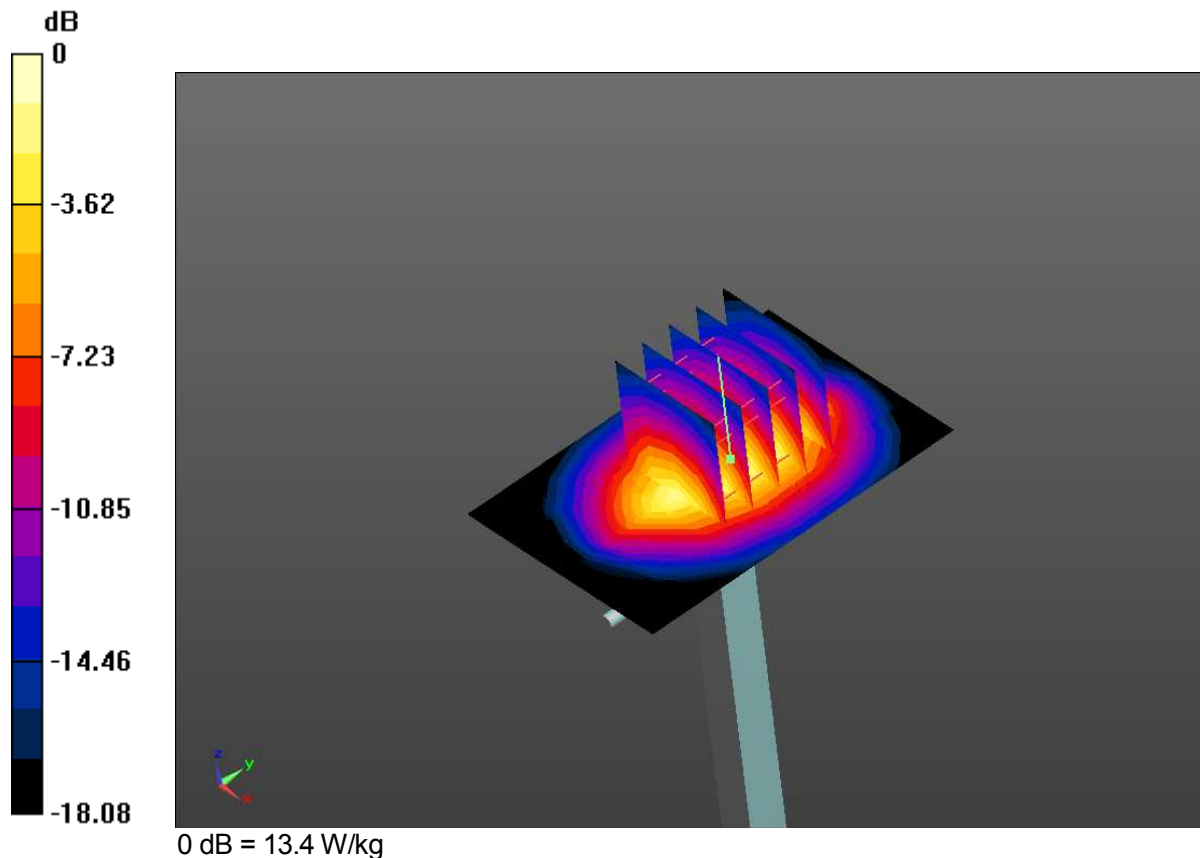
Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8$ mm, $dy=8$ mm, $dz=5$ mm

Reference Value = 91.44 V/m; Power Drift = 0.20 dB

Peak SAR (extrapolated) = 16.9 W/kg

SAR(1 g) = 9.40 W/kg; SAR(10 g) = 4.88 W/kg

Maximum value of SAR (measured) = 13.4 W/kg



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

Communication System: CW; Frequency: 1900 MHz

Medium parameters used: $f = 1900$ MHz; $\sigma = 1.517$ S/m; $\epsilon_r = 52.738$; $\rho = 1000$ kg/m³

Phantom section: Flat section

DASY Configuration

Probe: EX3DV4 - SN3745; ConvF(7.21, 7.21, 7.21); Calibrated: 4/15/2014;

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

Electronics: DAE4 Sn539; Calibrated: 10/15/2014

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

MEASUREMENT SW: DASY52, VERSION 52.8 (8);

Test date: 2014-12-19; Ambient Temp: 23.0; Tissue Temp: 22.0

1900 MHz System Verification -Body-

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

Maximum value of SAR (measured) = 13.4 W/kg

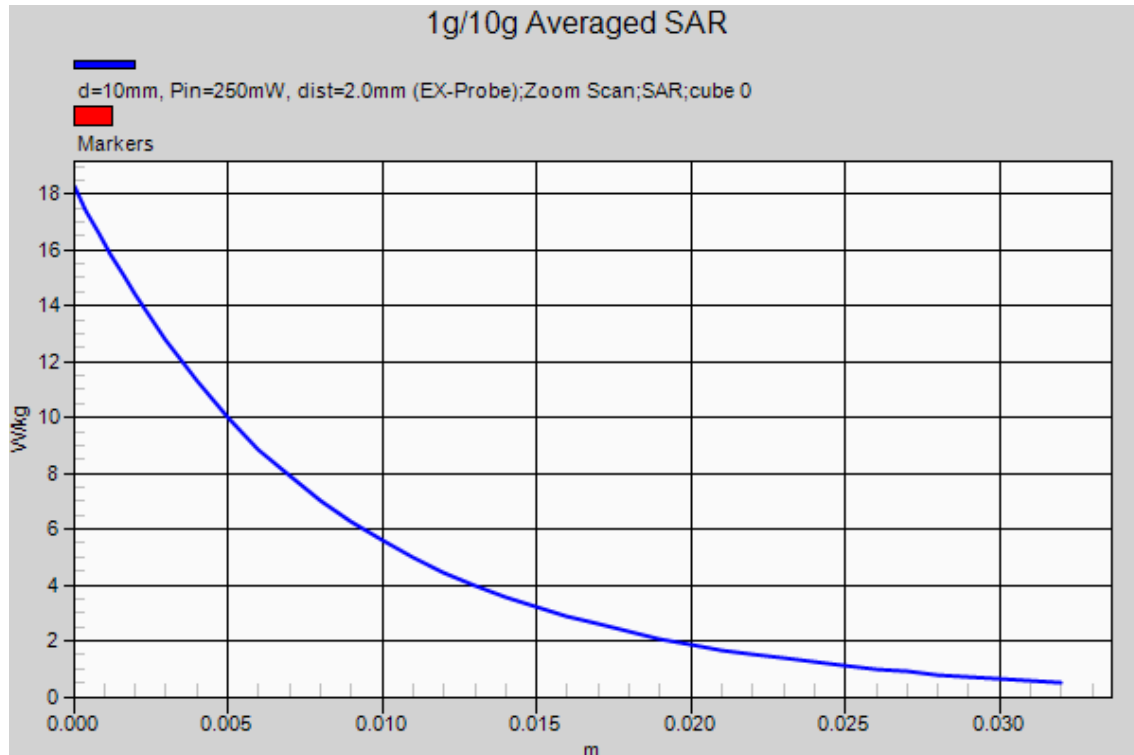
Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8$ mm, $dy=8$ mm, $dz=5$ mm

Reference Value = 91.44 V/m; Power Drift = 0.20 dB

Peak SAR (extrapolated) = 16.9 W/kg

SAR(1 g) = 9.40 W/kg; SAR(10 g) = 4.88 W/kg

Maximum value of SAR (measured) = 13.4 W/kg



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

Communication System: CW; Frequency: 1900 MHz

Medium parameters used: $f = 1900$ MHz; $\sigma = 1.553$ S/m; $\epsilon_r = 51.954$; $\rho = 1000$ kg/m³

Phantom section: Flat section

DASY Configuration

Probe: EX3DV4 - SN3745; ConvF(7.21, 7.21, 7.21); Calibrated: 4/15/2014;

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

Electronics: DAE4 Sn539; Calibrated: 10/15/2014

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

MEASUREMENT SW: DASY52, VERSION 52.8 (8);

Test date: 2014-12-25; Ambient Temp: 22.3; Tissue Temp: 20.3

1900 MHz System Verification -Body-

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

Maximum value of SAR (measured) = 14.3 W/kg

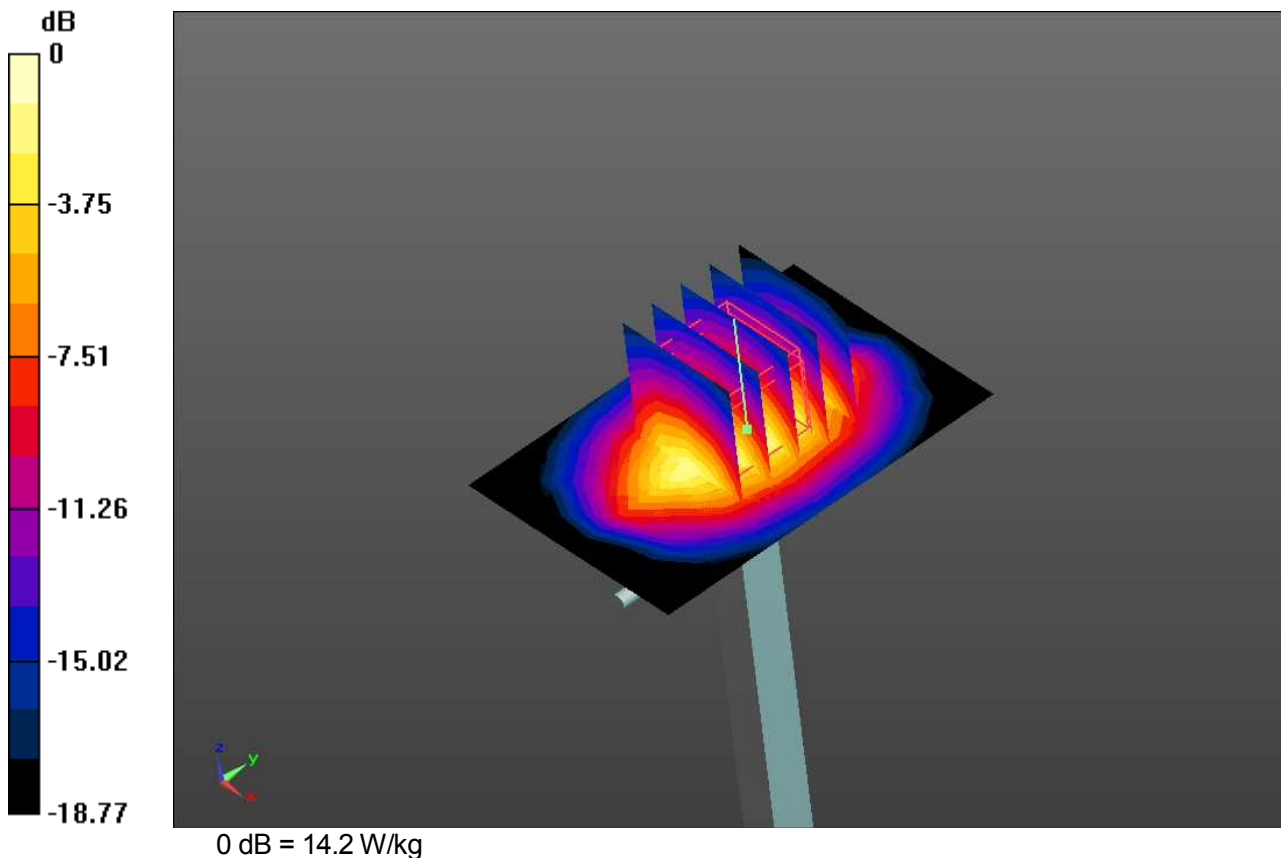
Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8$ mm, $dy=8$ mm, $dz=5$ mm

Reference Value = 97.63 V/m; Power Drift = 0.01 dB

Peak SAR (extrapolated) = 18.3 W/kg

SAR(1 g) = 9.96 W/kg; SAR(10 g) = 5.13 W/kg

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



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

Communication System: CW; Frequency: 1900 MHz

Medium parameters used: $f = 1900$ MHz; $\sigma = 1.553$ S/m; $\epsilon_r = 51.954$; $\rho = 1000$ kg/m³

Phantom section: Flat section

DASY Configuration

Probe: EX3DV4 - SN3745; ConvF(7.21, 7.21, 7.21); Calibrated: 4/15/2014;

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

Electronics: DAE4 Sn539; Calibrated: 10/15/2014

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

MEASUREMENT SW: DASY52, VERSION 52.8 (8);

Test date: 2014-12-25; Ambient Temp: 22.3; Tissue Temp: 20.3

1900 MHz System Verification -Body-

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

Maximum value of SAR (measured) = 14.3 W/kg

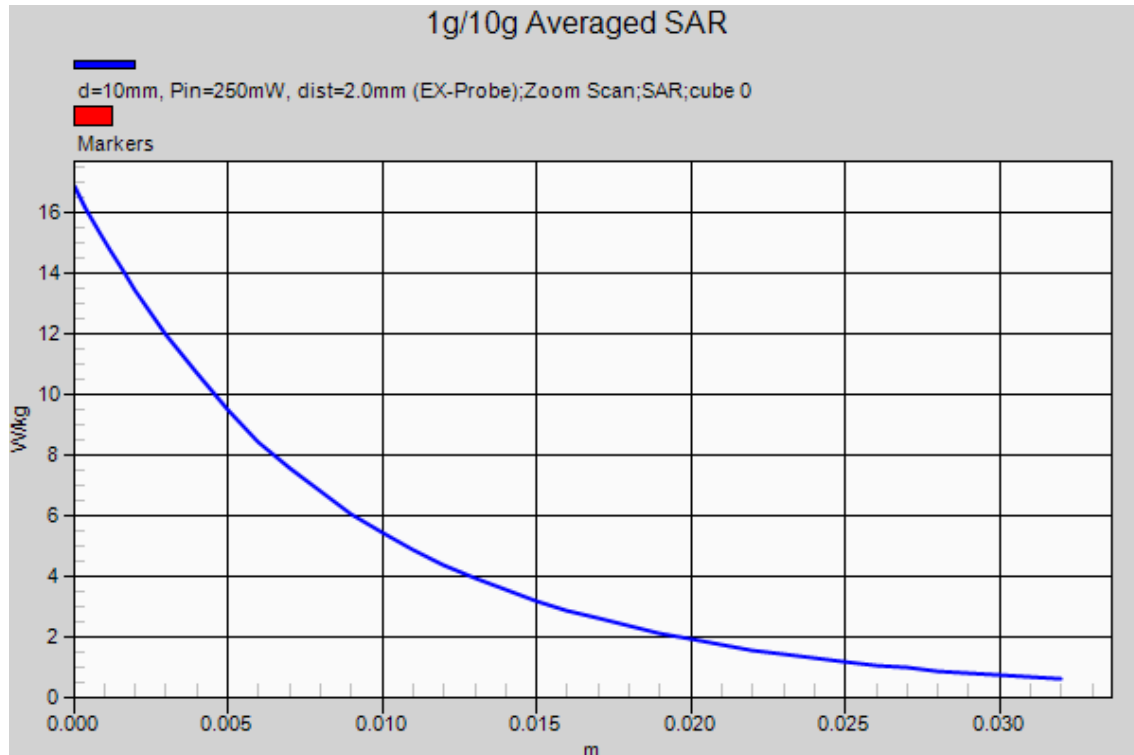
Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8$ mm, $dy=8$ mm, $dz=5$ mm

Reference Value = 97.63 V/m; Power Drift = 0.01 dB

Peak SAR (extrapolated) = 18.3 W/kg

SAR(1 g) = 9.96 W/kg; SAR(10 g) = 5.13 W/kg

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



DUT: Dipole 2450 MHz; Type: D2450V2; Serial: 894

Communication System: CW; Frequency: 2450 MHz

Medium parameters used: $f = 2450$ MHz; $\sigma = 1.842$ S/m; $\epsilon_r = 38.974$; $\rho = 1000$ kg/m³

Phantom section: Flat section

DASY Configuration

Probe: EX3DV4 - SN3745; ConvF(6.7, 6.7, 6.7); Calibrated: 4/15/2014;

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

Electronics: DAE4 Sn539; Calibrated: 10/15/2014

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

MEASUREMENT SW: DASY52, VERSION 52.8 (8);

Test date: 2014-12-17; Ambient Temp: 22.6; Tissue Temp: 22.3

2450 MHz System Verification -Head-

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

Maximum value of SAR (measured) = 20.6 W/kg

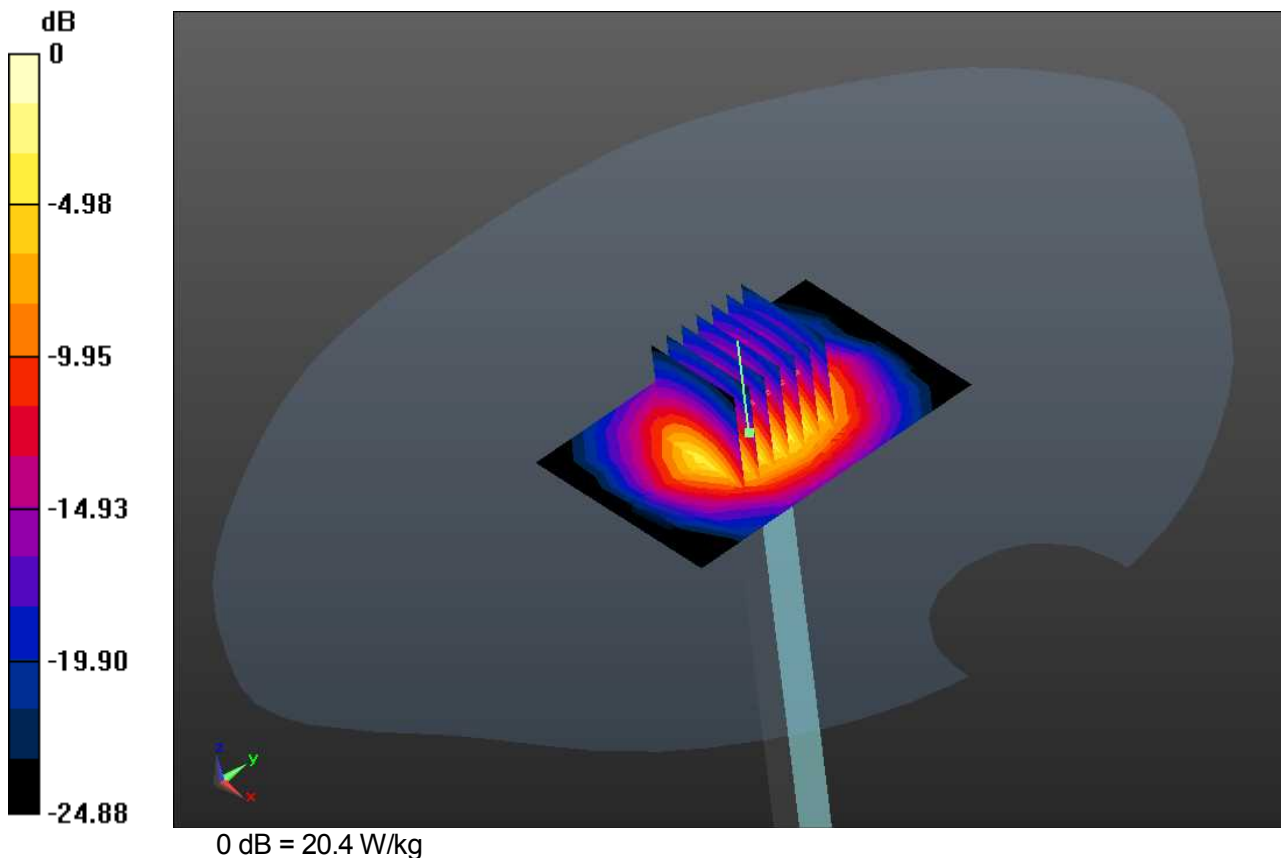
Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm

Reference Value = 107.9 V/m; Power Drift = 0.03 dB

Peak SAR (extrapolated) = 29.1 W/kg

SAR(1 g) = 13.2 W/kg; SAR(10 g) = 5.93 W/kg

Maximum value of SAR (measured) = 20.4 W/kg



DUT: Dipole 2450 MHz; Type: D2450V2; Serial: 894

Communication System: CW; Frequency: 2450 MHz

Medium parameters used: $f = 2450$ MHz; $\sigma = 1.842$ S/m; $\epsilon_r = 38.974$; $\rho = 1000$ kg/m³

Phantom section: Flat section

DASY Configuration

Probe: EX3DV4 - SN3745; ConvF(6.7, 6.7, 6.7); Calibrated: 4/15/2014;

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

Electronics: DAE4 Sn539; Calibrated: 10/15/2014

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

MEASUREMENT SW: DASY52, VERSION 52.8 (8);

Test date: 2014-12-17; Ambient Temp: 22.6; Tissue Temp: 22.3

2450 MHz System Verification -Head-

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

Maximum value of SAR (measured) = 20.6 W/kg

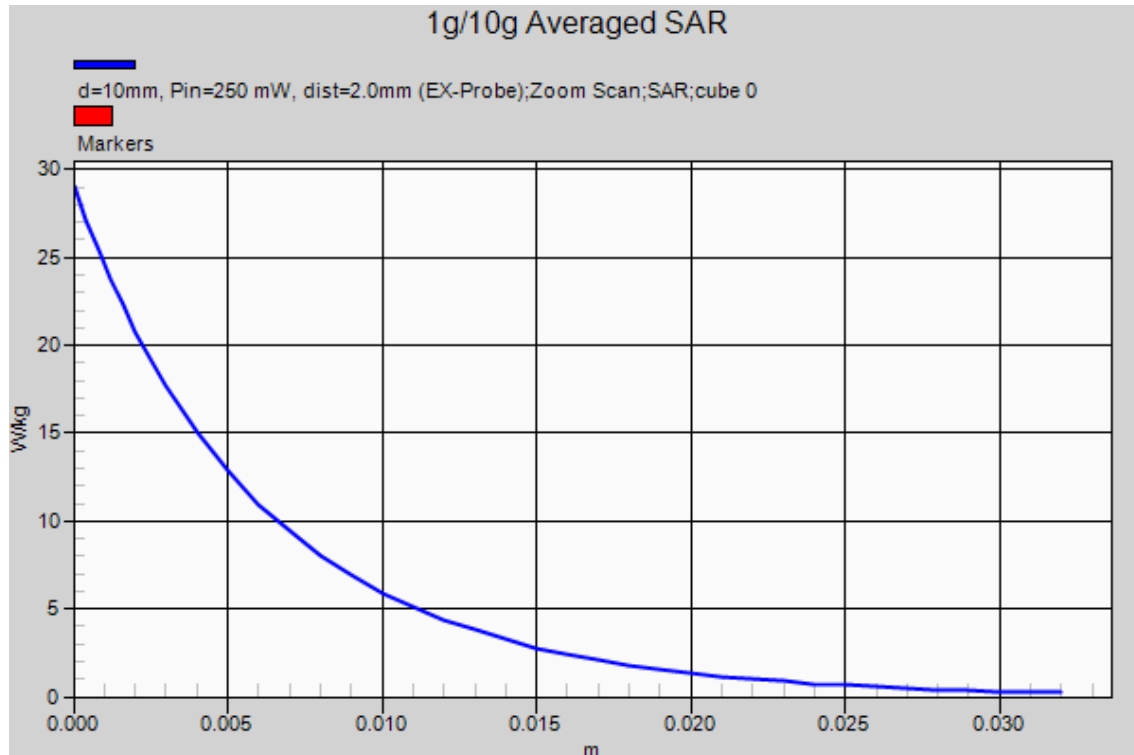
Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm

Reference Value = 107.9 V/m; Power Drift = 0.03 dB

Peak SAR (extrapolated) = 29.1 W/kg

SAR(1 g) = 13.2 W/kg; SAR(10 g) = 5.93 W/kg

Maximum value of SAR (measured) = 20.4 W/kg



DUT: Dipole 2450 MHz; Type: D2450V2; Serial: 894

Communication System: CW; Frequency: 2450 MHz

Medium parameters used: $f = 2450$ MHz; $\sigma = 1.966$ S/m; $\epsilon_r = 50.98$; $\rho = 1000$ kg/m³

Phantom section: Flat section

DASY Configuration

Probe: EX3DV4 - SN3745; ConvF(6.66, 6.66, 6.66); Calibrated: 4/15/2014;

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

Electronics: DAE4 Sn539; Calibrated: 10/15/2014

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

MEASUREMENT SW: DASY52, VERSION 52.8 (8);

Test date: 2014-12-17; Ambient Temp: 22.6; Tissue Temp: 22.3

2450 MHz System Verification -Body-

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

Maximum value of SAR (measured) = 20.3 W/kg

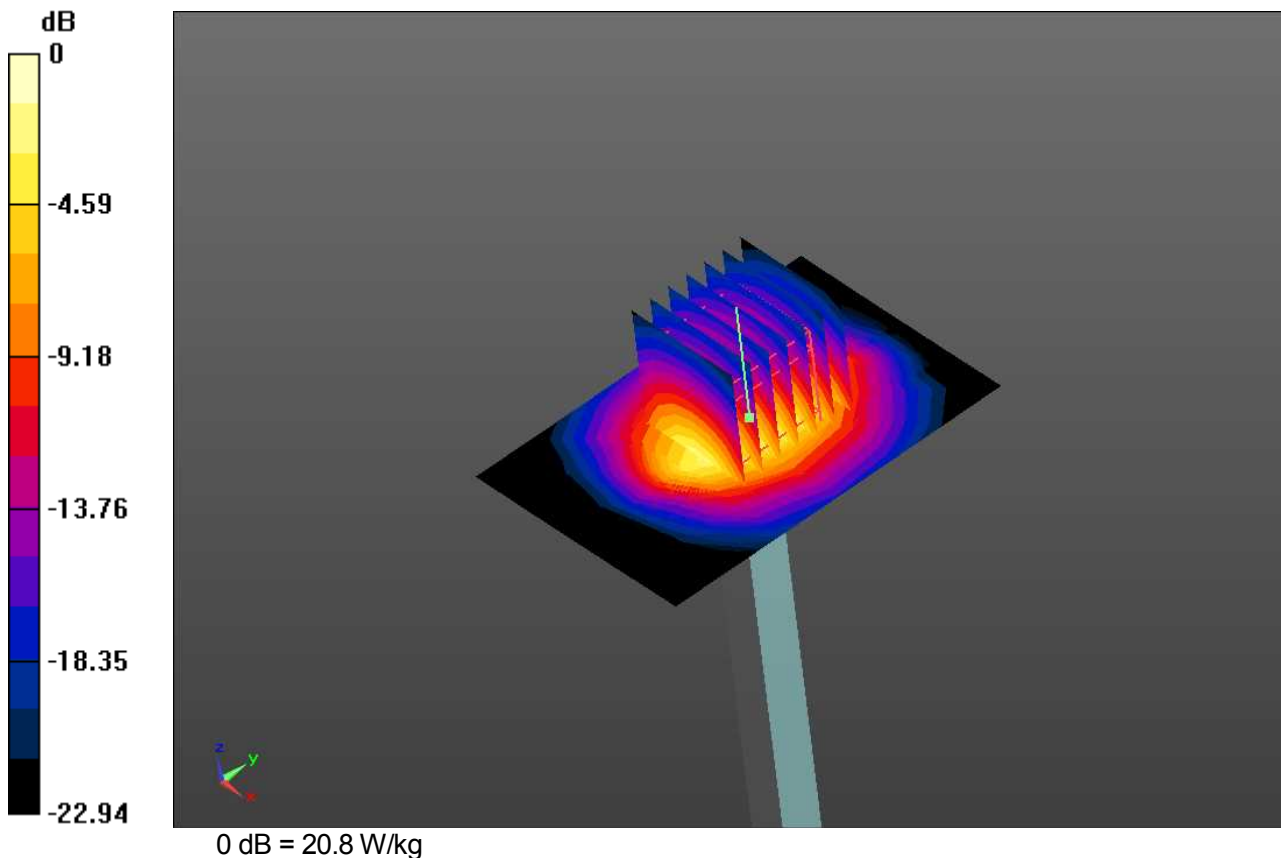
Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm

Reference Value = 102.2 V/m; Power Drift = 0.12 dB

Peak SAR (extrapolated) = 28.9 W/kg

SAR(1 g) = 13.5 W/kg; SAR(10 g) = 6.17 W/kg

Maximum value of SAR (measured) = 20.8 W/kg



DUT: Dipole 2450 MHz; Type: D2450V2; Serial: 894

Communication System: CW; Frequency: 2450 MHz

Medium parameters used: $f = 2450$ MHz; $\sigma = 1.966$ S/m; $\epsilon_r = 50.98$; $\rho = 1000$ kg/m³

Phantom section: Flat section

DASY Configuration

Probe: EX3DV4 - SN3745; ConvF(6.66, 6.66, 6.66); Calibrated: 4/15/2014;

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

Electronics: DAE4 Sn539; Calibrated: 10/15/2014

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

MEASUREMENT SW: DASY52, VERSION 52.8 (8);

Test date: 2014-12-17; Ambient Temp: 22.6; Tissue Temp: 22.3

2450 MHz System Verification -Body-

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

Maximum value of SAR (measured) = 20.3 W/kg

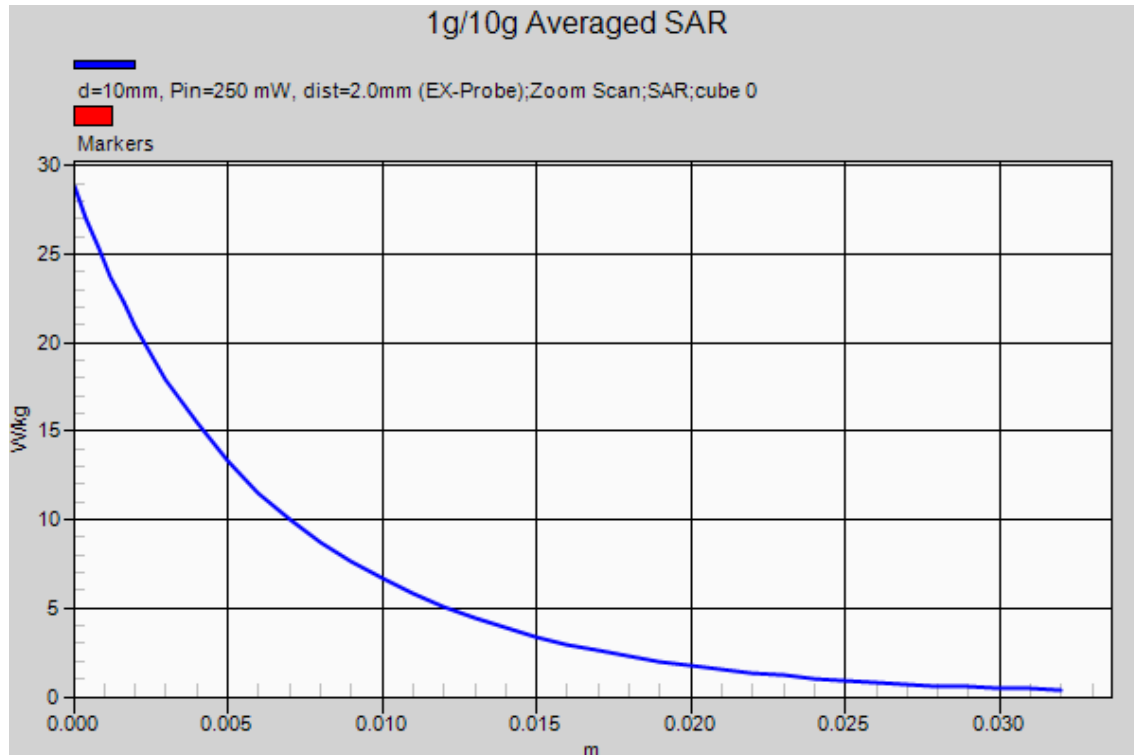
Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm

Reference Value = 102.2 V/m; Power Drift = 0.12 dB

Peak SAR (extrapolated) = 28.9 W/kg

SAR(1 g) = 13.5 W/kg; SAR(10 g) = 6.17 W/kg

Maximum value of SAR (measured) = 20.8 W/kg



DUT: Dipole 5000 MHz; Type: D5GHzV2; Serial: 1092

Communication System: CW; Frequency: 5200 MHz

Medium parameters used: $f = 5200$ MHz; $\sigma = 4.581$ S/m; $\epsilon_r = 36.289$; $\rho = 1000$ kg/m³

Phantom section: Flat section

DASY Configuration

Probe: EX3DV4 - SN3745; ConvF(4.68, 4.68, 4.68); Calibrated: 4/15/2014;

Sensor-Surface: 2mm (Mechanical Surface Detection), $z = 1.0, 21.0$

Electronics: DAE4 Sn539; Calibrated: 10/15/2014

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

MEASUREMENT SW: DASY52, VERSION 52.8 (8);

Test date: 2014-12-15; Ambient Temp: 23.3; Tissue Temp: 20.2

5200 MHz System Verification -Head-

Area Scan (7x7x1): Measurement grid: $dx=10$ mm, $dy=10$ mm

Maximum value of SAR (measured) = 16.6 W/kg

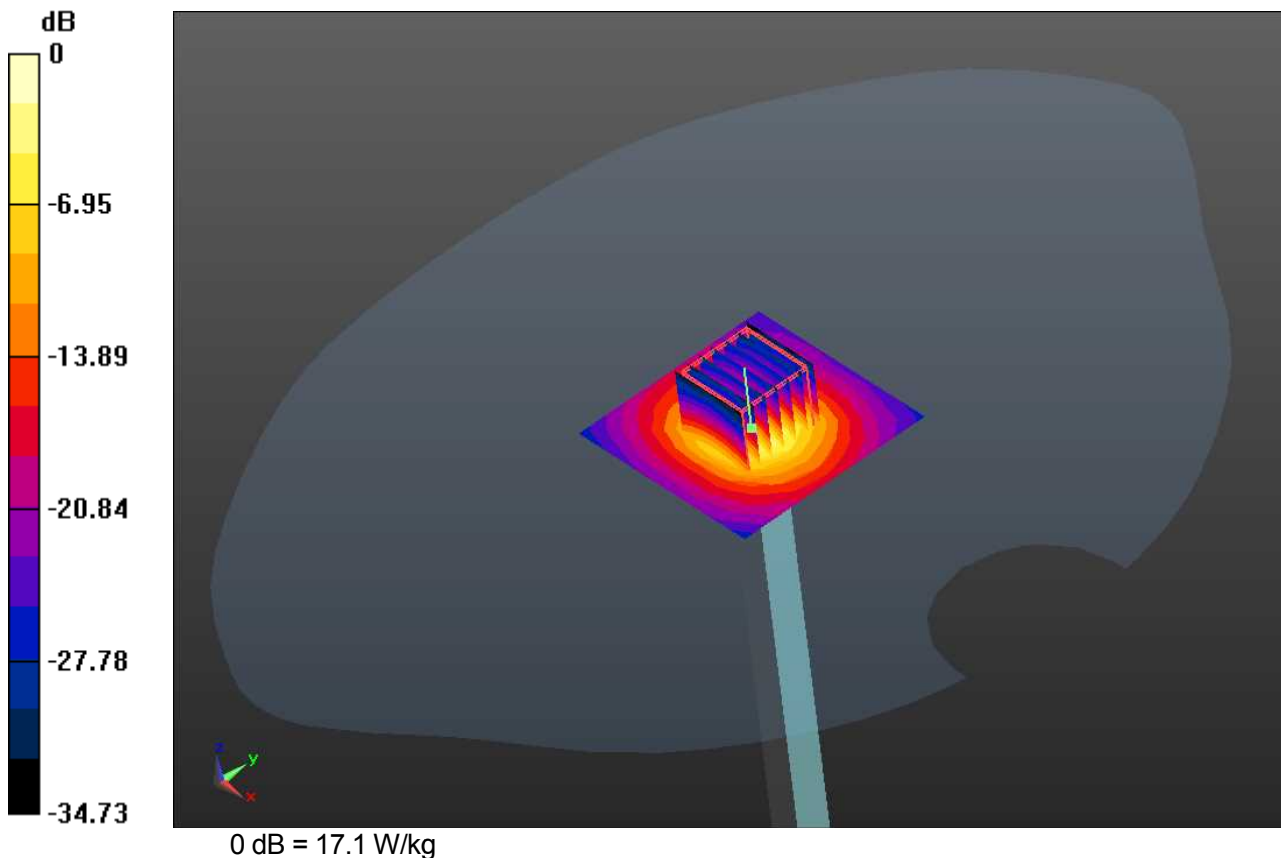
Zoom Scan (7x7x11)/Cube 0: Measurement grid: $dx=4$ mm, $dy=4$ mm, $dz=2$ mm

Reference Value = 64.27 V/m; Power Drift = -0.01 dB

Peak SAR (extrapolated) = 34.4 W/kg

SAR(1 g) = 8.30 W/kg; SAR(10 g) = 2.41 W/kg

Maximum value of SAR (measured) = 17.1 W/kg



DUT: Dipole 5000 MHz; Type: D5GHzV2; Serial: 1092

Communication System: CW; Frequency: 5200 MHz

Medium parameters used: $f = 5200$ MHz; $\sigma = 4.581$ S/m; $\epsilon_r = 36.289$; $\rho = 1000$ kg/m³

Phantom section: Flat section

DASY Configuration

Probe: EX3DV4 - SN3745; ConvF(4.68, 4.68, 4.68); Calibrated: 4/15/2014;

Sensor-Surface: 2mm (Mechanical Surface Detection), $z = 1.0, 21.0$

Electronics: DAE4 Sn539; Calibrated: 10/15/2014

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

MEASUREMENT SW: DASY52, VERSION 52.8 (8);

Test date: 2014-12-15; Ambient Temp: 23.3; Tissue Temp: 20.2

5200 MHz System Verification -Head-

Area Scan (7x7x1): Measurement grid: $dx=10$ mm, $dy=10$ mm

Maximum value of SAR (measured) = 16.6 W/kg

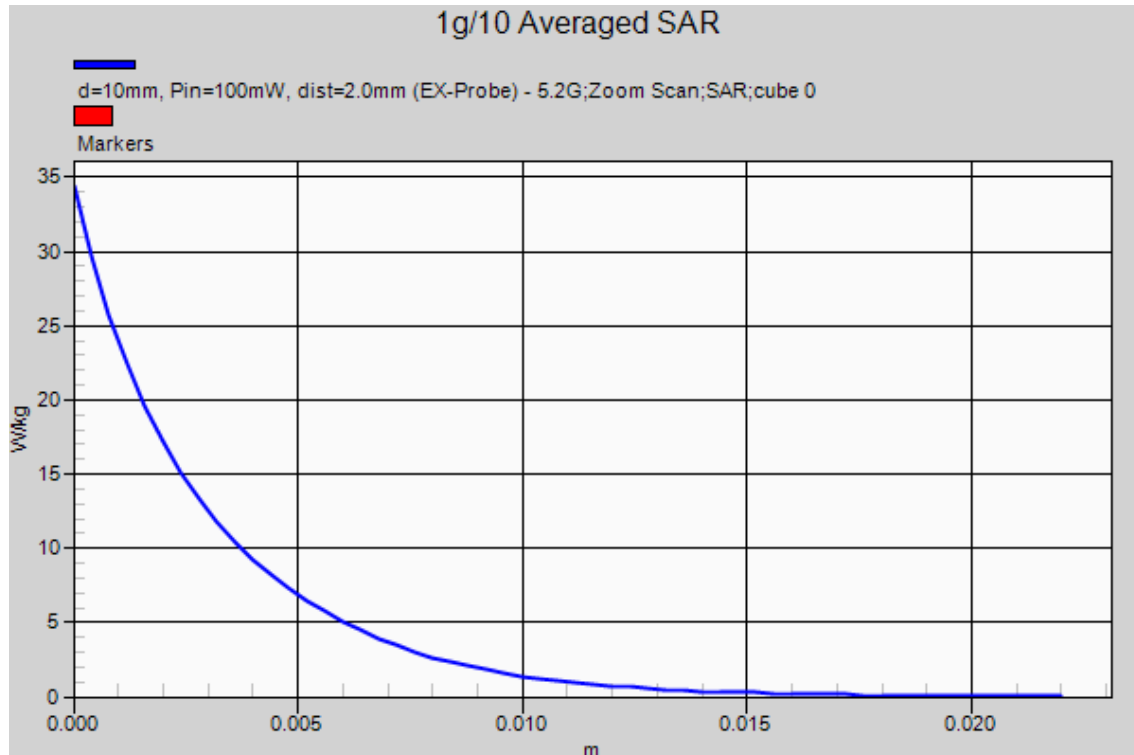
Zoom Scan (7x7x11)/Cube 0: Measurement grid: $dx=4$ mm, $dy=4$ mm, $dz=2$ mm

Reference Value = 64.27 V/m; Power Drift = -0.01 dB

Peak SAR (extrapolated) = 34.4 W/kg

SAR(1 g) = 8.30 W/kg; SAR(10 g) = 2.41 W/kg

Maximum value of SAR (measured) = 17.1 W/kg



DUT: Dipole 5000 MHz; Type: D5GHzV2; Serial: 1092

Communication System: CW; Frequency: 5500 MHz

Medium parameters used: $f = 5500$ MHz; $\sigma = 4.904$ S/m; $\epsilon_r = 35.826$; $\rho = 1000$ kg/m³

Phantom section: Flat section

DASY Configuration

Probe: EX3DV4 - SN3745; ConvF(4.34, 4.34, 4.34); Calibrated: 4/15/2014;

Sensor-Surface: 2mm (Mechanical Surface Detection), $z = 1.0, 21.0$

Electronics: DAE4 Sn539; Calibrated: 10/15/2014

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

MEASUREMENT SW: DASY52, VERSION 52.8 (8);

Test date: 2014-12-15; Ambient Temp: 23.3; Tissue Temp: 20.2

5500 MHz System Verification -Head-

Area Scan (7x7x1): Measurement grid: $dx=10$ mm, $dy=10$ mm

Maximum value of SAR (measured) = 19.4 W/kg

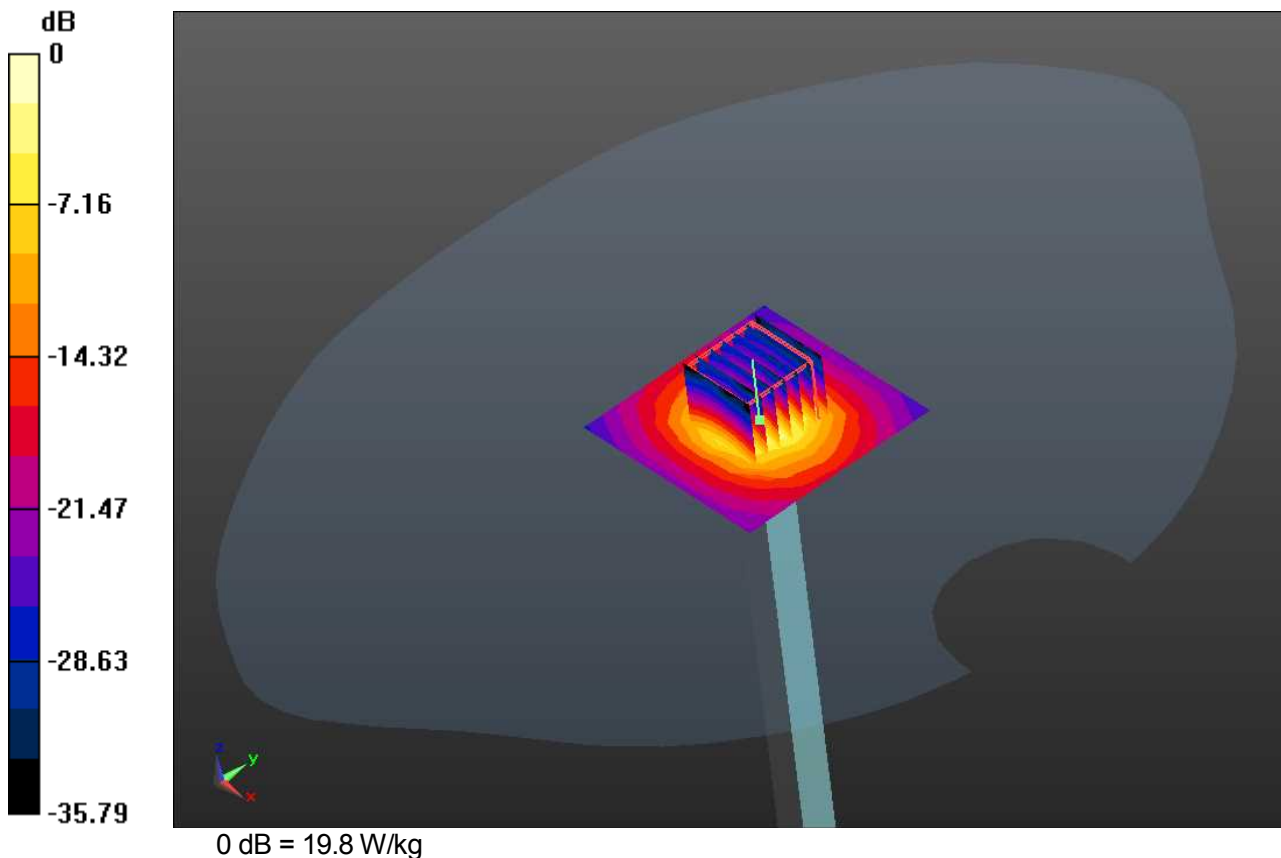
Zoom Scan (7x7x11)/Cube 0: Measurement grid: $dx=4$ mm, $dy=4$ mm, $dz=2$ mm

Reference Value = 67.85 V/m; Power Drift = 0.03 dB

Peak SAR (extrapolated) = 40.8 W/kg

SAR(1 g) = 9.43 W/kg; SAR(10 g) = 2.70 W/kg

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



DUT: Dipole 5000 MHz; Type: D5GHzV2; Serial: 1092

Communication System: CW; Frequency: 5500 MHz

Medium parameters used: $f = 5500$ MHz; $\sigma = 4.904$ S/m; $\epsilon_r = 35.826$; $\rho = 1000$ kg/m³

Phantom section: Flat section

DASY Configuration

Probe: EX3DV4 - SN3745; ConvF(4.34, 4.34, 4.34); Calibrated: 4/15/2014;

Sensor-Surface: 2mm (Mechanical Surface Detection), $z = 1.0, 21.0$

Electronics: DAE4 Sn539; Calibrated: 10/15/2014

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

MEASUREMENT SW: DASY52, VERSION 52.8 (8);

Test date: 2014-12-15; Ambient Temp: 23.3; Tissue Temp: 20.2

5500 MHz System Verification -Head-

Area Scan (7x7x1): Measurement grid: $dx=10$ mm, $dy=10$ mm

Maximum value of SAR (measured) = 19.4 W/kg

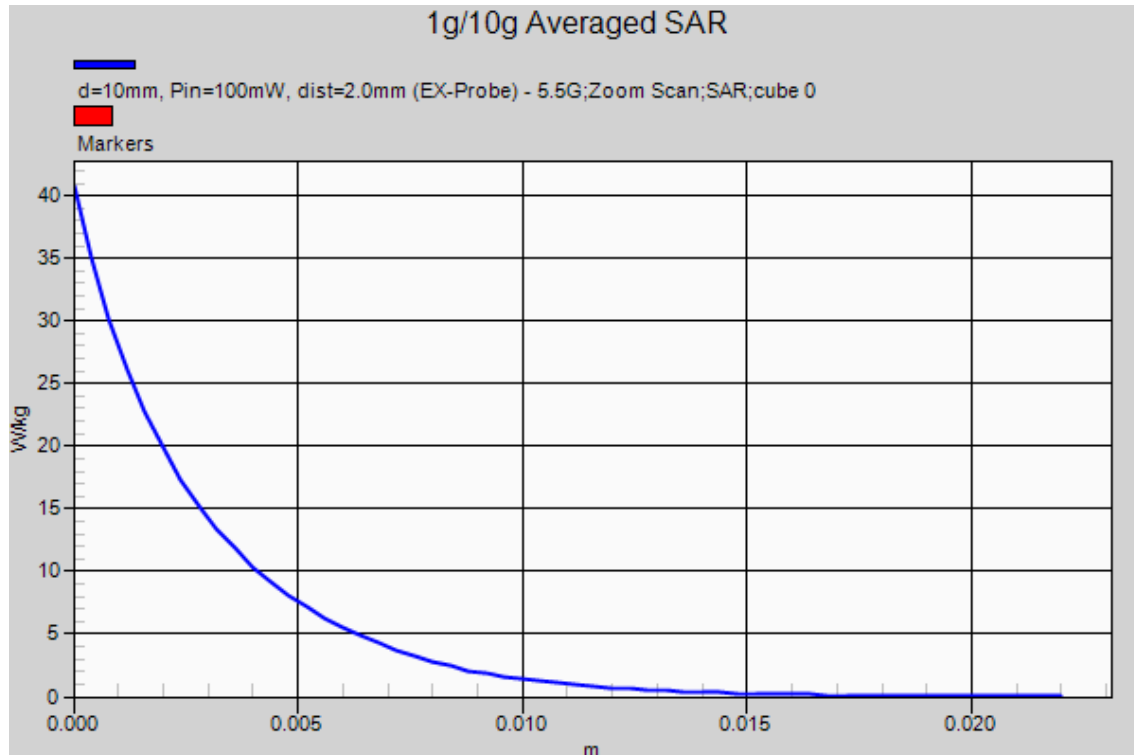
Zoom Scan (7x7x11)/Cube 0: Measurement grid: $dx=4$ mm, $dy=4$ mm, $dz=2$ mm

Reference Value = 67.85 V/m; Power Drift = 0.03 dB

Peak SAR (extrapolated) = 40.8 W/kg

SAR(1 g) = 9.43 W/kg; SAR(10 g) = 2.70 W/kg

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



DUT: Dipole 5000 MHz; Type: D5GHzV2; Serial: 1092

Communication System: CW; Frequency: 5800 MHz

Medium parameters used: $f = 5800$ MHz; $\sigma = 5.195$ S/m; $\epsilon_r = 35.376$; $\rho = 1000$ kg/m³

Phantom section: Flat section

DASY Configuration

Probe: EX3DV4 - SN3745; ConvF(4.23, 4.23, 4.23); Calibrated: 4/15/2014;

Sensor-Surface: 2mm (Mechanical Surface Detection), $z = 1.0, 21.0$

Electronics: DAE4 Sn539; Calibrated: 10/15/2014

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

MEASUREMENT SW: DASY52, VERSION 52.8 (8);

Test date: 2014-12-15; Ambient Temp: 23.3; Tissue Temp: 20.2

5800 MHz System Verification -Head-

Area Scan (7x7x1): Measurement grid: $dx=10$ mm, $dy=10$ mm

Maximum value of SAR (measured) = 17.9 W/kg

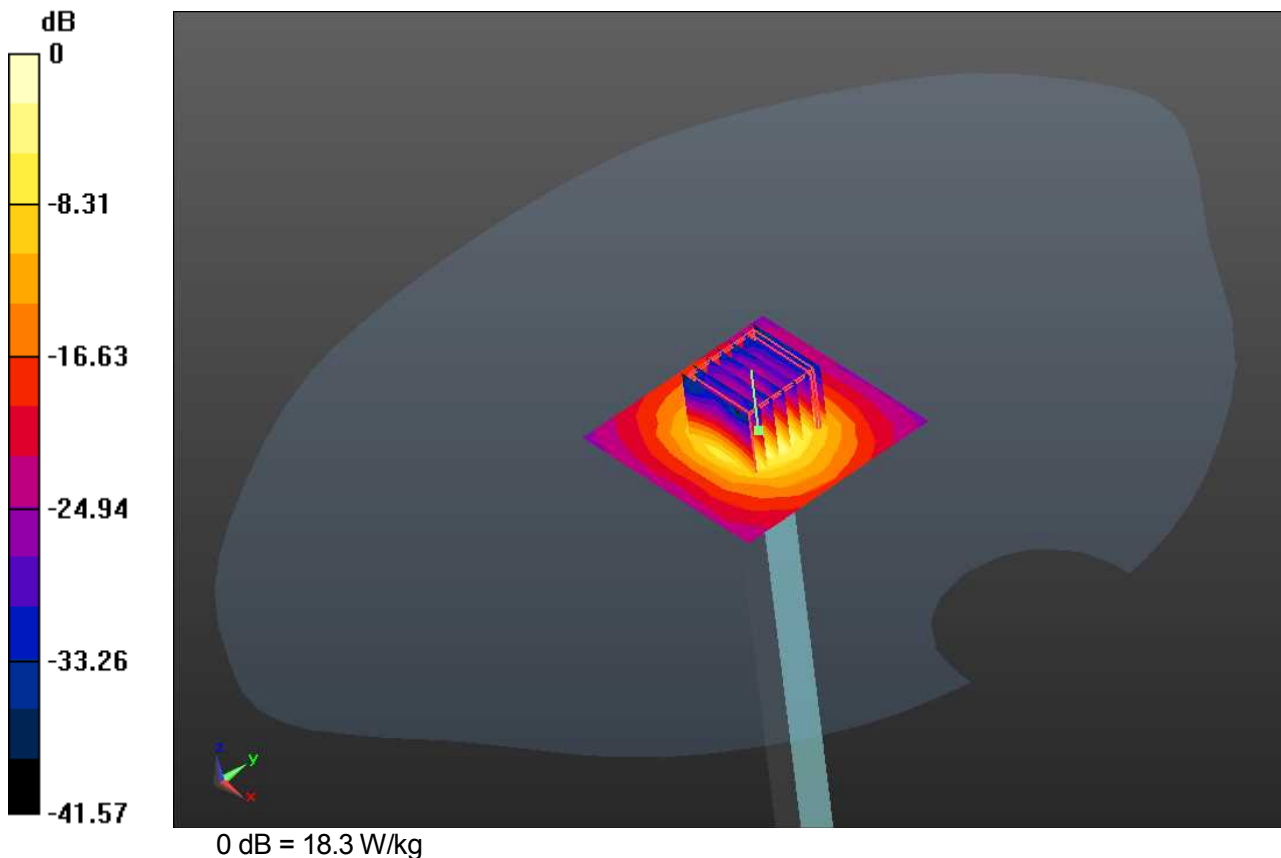
Zoom Scan (7x7x11)/Cube 0: Measurement grid: $dx=4$ mm, $dy=4$ mm, $dz=2$ mm

Reference Value = 63.22 V/m; Power Drift = 0.02 dB

Peak SAR (extrapolated) = 40.4 W/kg

SAR(1 g) = 8.64 W/kg; SAR(10 g) = 2.46 W/kg

Maximum value of SAR (measured) = 18.3 W/kg



DUT: Dipole 5000 MHz; Type: D5GHzV2; Serial: 1092

Communication System: CW; Frequency: 5800 MHz

Medium parameters used: $f = 5800$ MHz; $\sigma = 5.195$ S/m; $\epsilon_r = 35.376$; $\rho = 1000$ kg/m³

Phantom section: Flat section

DASY Configuration

Probe: EX3DV4 - SN3745; ConvF(4.23, 4.23, 4.23); Calibrated: 4/15/2014;

Sensor-Surface: 2mm (Mechanical Surface Detection), $z = 1.0, 21.0$

Electronics: DAE4 Sn539; Calibrated: 10/15/2014

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

MEASUREMENT SW: DASY52, VERSION 52.8 (8);

Test date: 2014-12-15; Ambient Temp: 23.3; Tissue Temp: 20.2

5800 MHz System Verification -Head-

Area Scan (7x7x1): Measurement grid: $dx=10$ mm, $dy=10$ mm

Maximum value of SAR (measured) = 17.9 W/kg

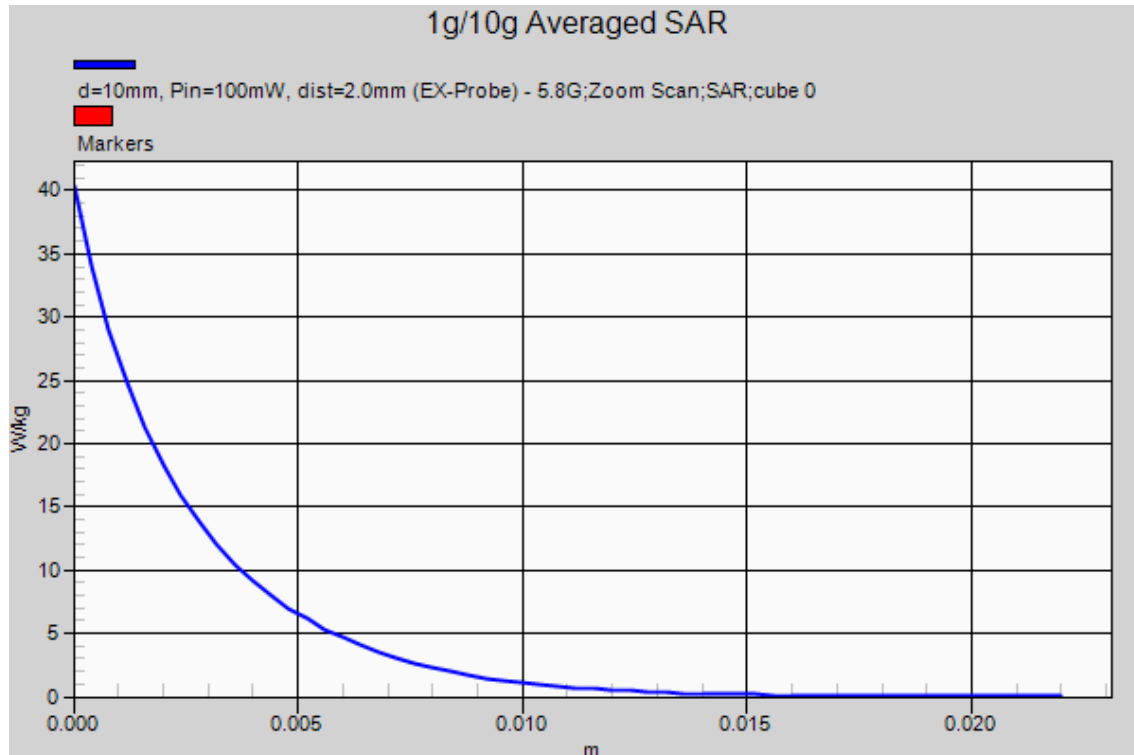
Zoom Scan (7x7x11)/Cube 0: Measurement grid: $dx=4$ mm, $dy=4$ mm, $dz=2$ mm

Reference Value = 63.22 V/m; Power Drift = 0.02 dB

Peak SAR (extrapolated) = 40.4 W/kg

SAR(1 g) = 8.64 W/kg; SAR(10 g) = 2.46 W/kg

Maximum value of SAR (measured) = 18.3 W/kg



DUT: Dipole 5000 MHz; Type: D5GHzV2; Serial: 1092

Communication System: CW; Frequency: 5200 MHz

Medium parameters used: $f = 5200$ MHz; $\sigma = 4.577$ S/m; $\epsilon_r = 36.033$; $\rho = 1000$ kg/m³

Phantom section: Flat section

DASY Configuration

Probe: EX3DV4 - SN3745; ConvF(4.68, 4.68, 4.68); Calibrated: 4/15/2014;

Sensor-Surface: 2mm (Mechanical Surface Detection), $z = 1.0, 21.0$

Electronics: DAE4 Sn539; Calibrated: 10/15/2014

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

MEASUREMENT SW: DASY52, VERSION 52.8 (8);

Test date: 2014-12-16; Ambient Temp: 24.3; Tissue Temp: 20.1

5200 MHz System Verification -Head-

Area Scan (7x7x1): Measurement grid: $dx=10$ mm, $dy=10$ mm

Maximum value of SAR (measured) = 17.9 W/kg

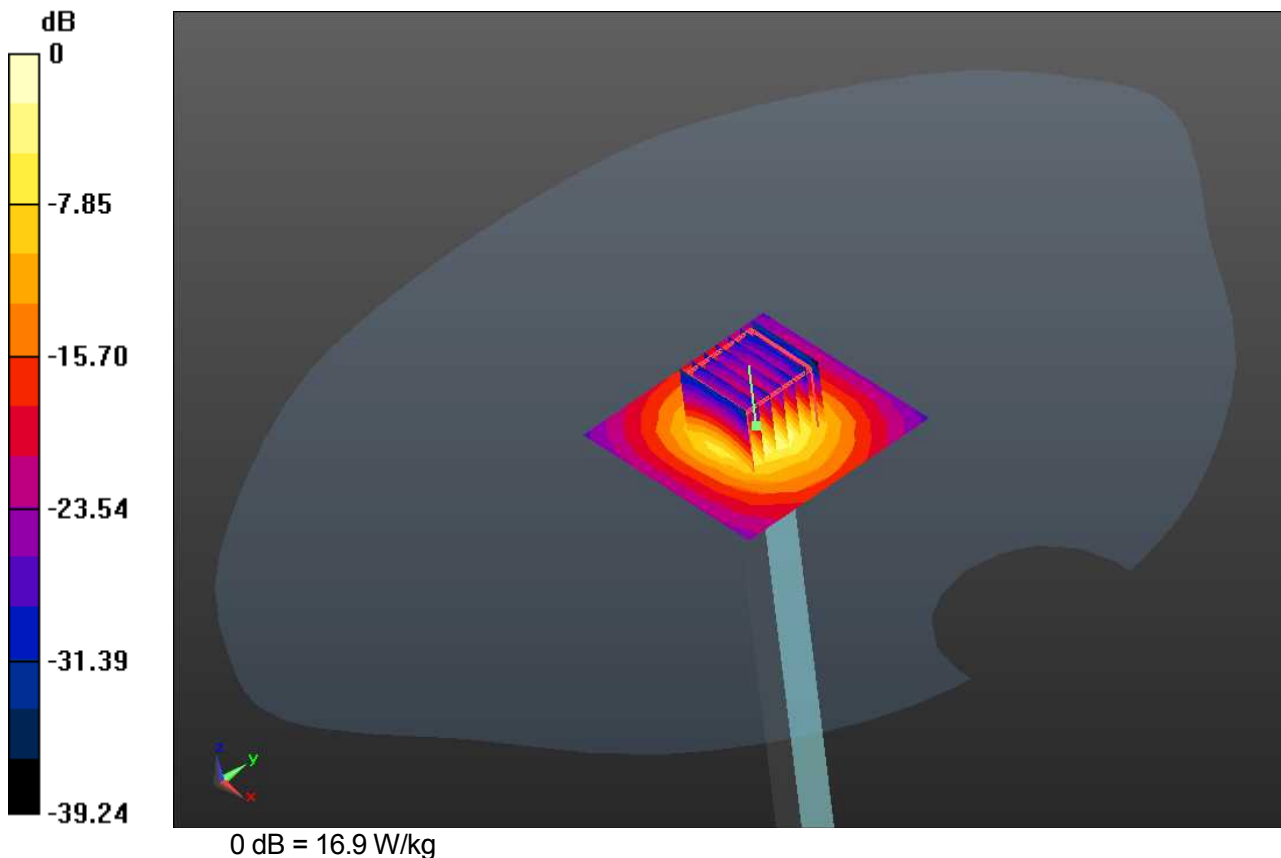
Zoom Scan (7x7x11)/Cube 0: Measurement grid: $dx=4$ mm, $dy=4$ mm, $dz=2$ mm

Reference Value = 66.90 V/m; Power Drift = -0.10 dB

Peak SAR (extrapolated) = 33.8 W/kg

SAR(1 g) = 8.19 W/kg; SAR(10 g) = 2.38 W/kg

Maximum value of SAR (measured) = 16.9 W/kg



DUT: Dipole 5000 MHz; Type: D5GHzV2; Serial: 1092

Communication System: CW; Frequency: 5200 MHz

Medium parameters used: $f = 5200$ MHz; $\sigma = 4.577$ S/m; $\epsilon_r = 36.033$; $\rho = 1000$ kg/m³

Phantom section: Flat section

DASY Configuration

Probe: EX3DV4 - SN3745; ConvF(4.68, 4.68, 4.68); Calibrated: 4/15/2014;

Sensor-Surface: 2mm (Mechanical Surface Detection), $z = 1.0, 21.0$

Electronics: DAE4 Sn539; Calibrated: 10/15/2014

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

MEASUREMENT SW: DASY52, VERSION 52.8 (8);

Test date: 2014-12-16; Ambient Temp: 24.3; Tissue Temp: 20.1

5200 MHz System Verification -Head-

Area Scan (7x7x1): Measurement grid: $dx=10$ mm, $dy=10$ mm

Maximum value of SAR (measured) = 17.9 W/kg

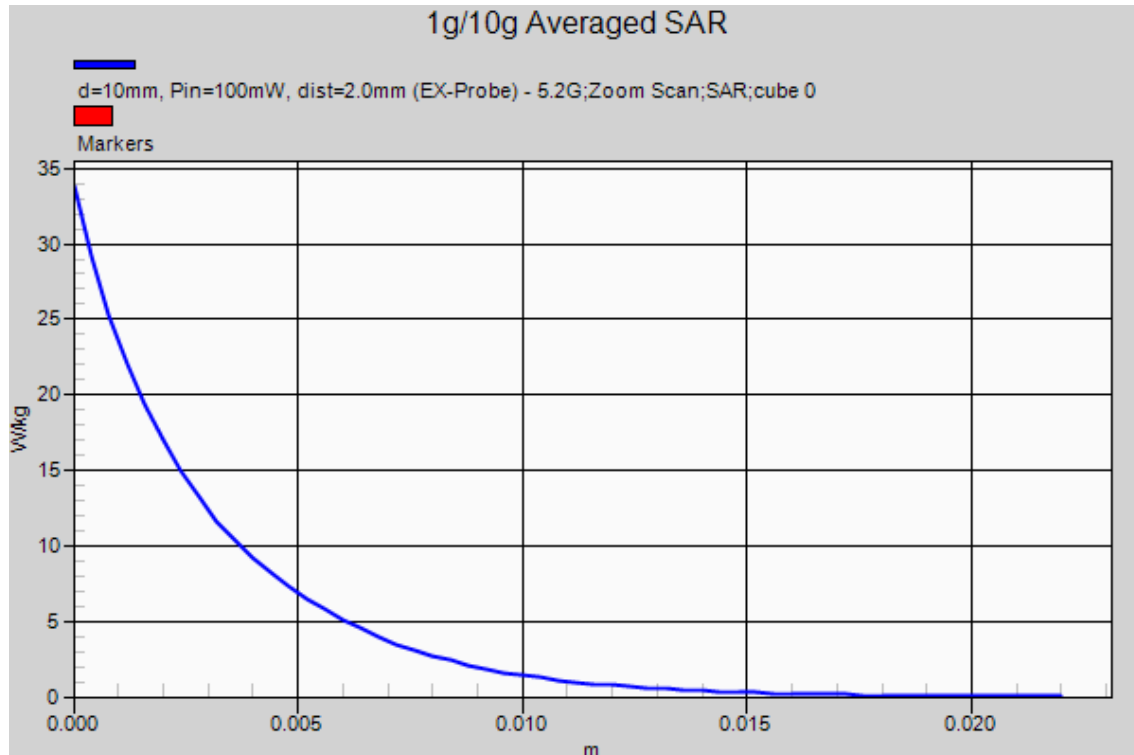
Zoom Scan (7x7x11)/Cube 0: Measurement grid: $dx=4$ mm, $dy=4$ mm, $dz=2$ mm

Reference Value = 66.90 V/m; Power Drift = -0.10 dB

Peak SAR (extrapolated) = 33.8 W/kg

SAR(1 g) = 8.19 W/kg; SAR(10 g) = 2.38 W/kg

Maximum value of SAR (measured) = 16.9 W/kg



DUT: Dipole 5000 MHz; Type: D5GHzV2; Serial: 1092

Communication System: CW; Frequency: 5500 MHz

Medium parameters used: $f = 5500$ MHz; $\sigma = 4.865$ S/m; $\epsilon_r = 35.584$; $\rho = 1000$ kg/m³

Phantom section: Flat section

DASY Configuration

Probe: EX3DV4 - SN3745; ConvF(4.34, 4.34, 4.34); Calibrated: 4/15/2014;

Sensor-Surface: 2mm (Mechanical Surface Detection), $z = 1.0, 21.0$

Electronics: DAE4 Sn539; Calibrated: 10/15/2014

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

MEASUREMENT SW: DASY52, VERSION 52.8 (8);

Test date: 2014-12-16; Ambient Temp: 24.3; Tissue Temp: 20.1

5500 MHz System Verification -Head-

Area Scan (7x7x1): Measurement grid: $dx=10$ mm, $dy=10$ mm

Maximum value of SAR (measured) = 17.9 W/kg

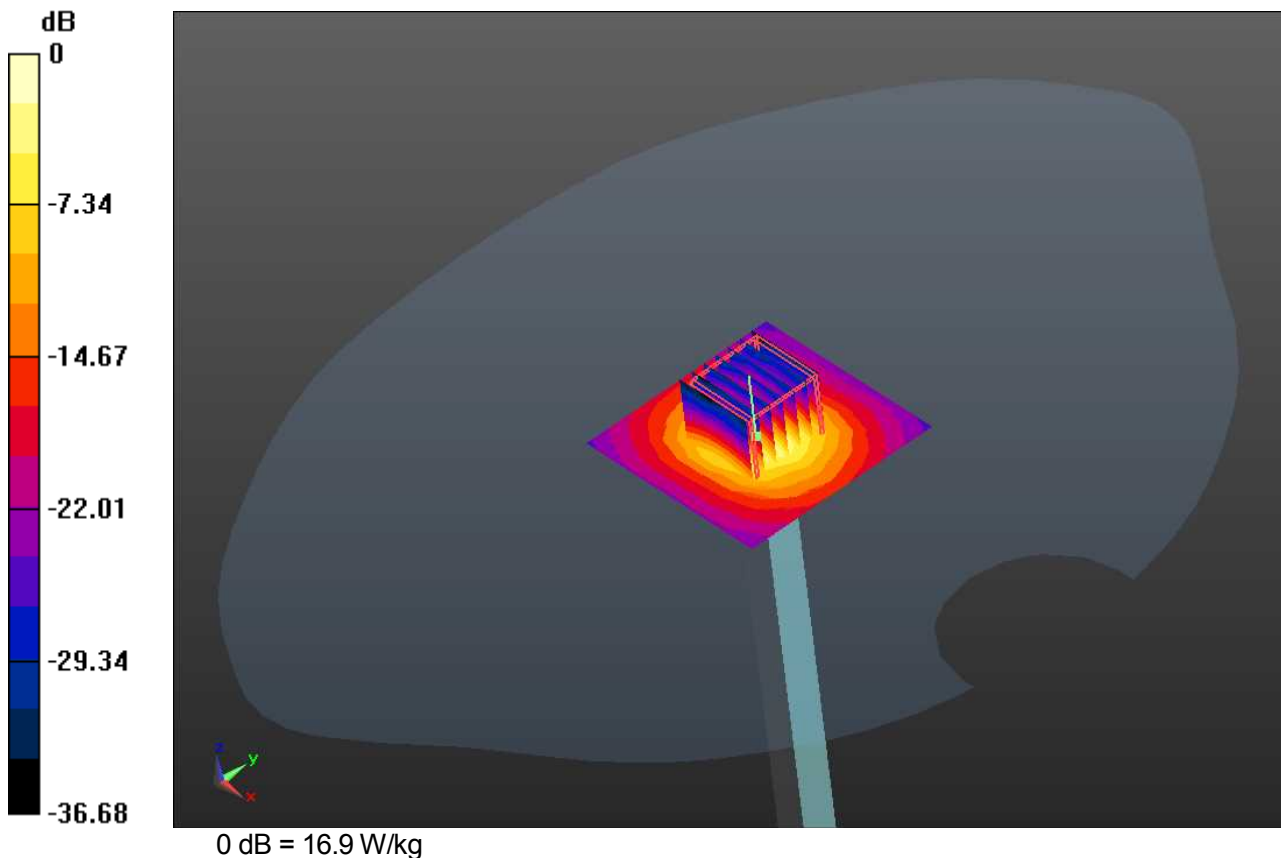
Zoom Scan (7x7x11)/Cube 0: Measurement grid: $dx=4$ mm, $dy=4$ mm, $dz=2$ mm

Reference Value = 65.60 V/m; Power Drift = 0.14 dB

Peak SAR (extrapolated) = 34.7 W/kg

SAR(1 g) = 8.12 W/kg; SAR(10 g) = 2.33 W/kg

Maximum value of SAR (measured) = 16.9 W/kg



DUT: Dipole 5000 MHz; Type: D5GHzV2; Serial: 1092

Communication System: CW; Frequency: 5500 MHz

Medium parameters used: $f = 5500$ MHz; $\sigma = 4.865$ S/m; $\epsilon_r = 35.584$; $\rho = 1000$ kg/m³

Phantom section: Flat section

DASY Configuration

Probe: EX3DV4 - SN3745; ConvF(4.34, 4.34, 4.34); Calibrated: 4/15/2014;

Sensor-Surface: 2mm (Mechanical Surface Detection), $z = 1.0, 21.0$

Electronics: DAE4 Sn539; Calibrated: 10/15/2014

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

MEASUREMENT SW: DASY52, VERSION 52.8 (8);

Test date: 2014-12-16; Ambient Temp: 24.3; Tissue Temp: 20.1

5500 MHz System Verification -Head-**Area Scan (7x7x1):** Measurement grid: $dx=10$ mm, $dy=10$ mm

Maximum value of SAR (measured) = 17.9 W/kg

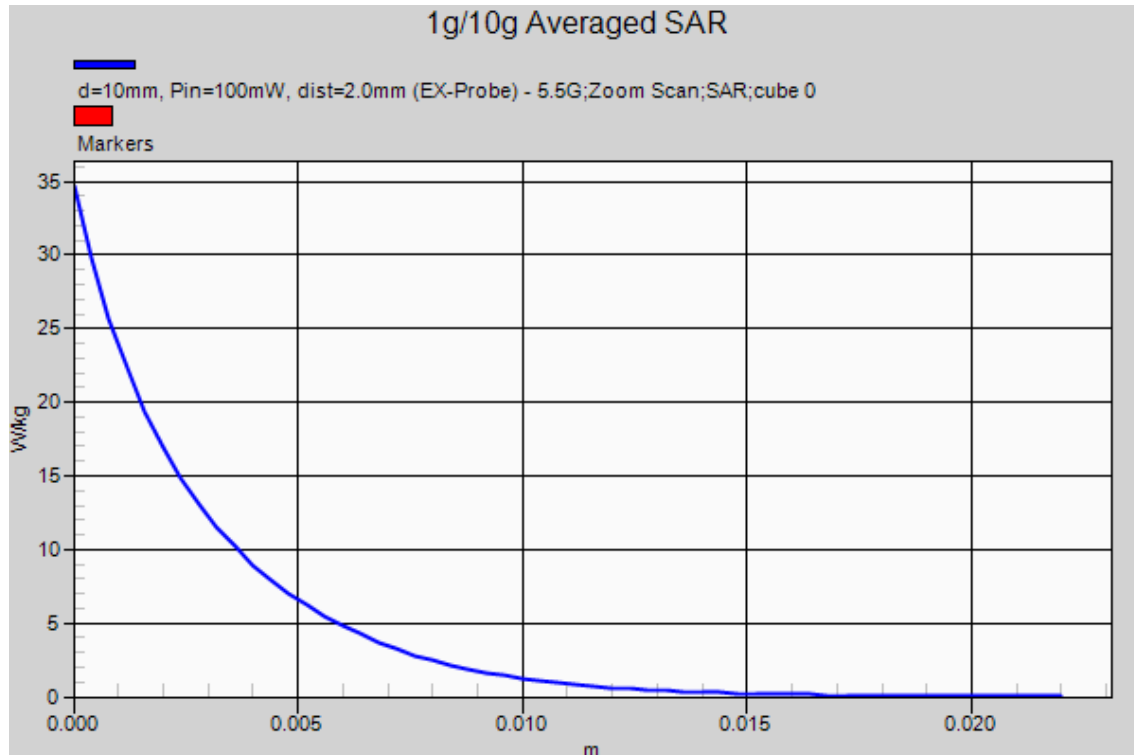
Zoom Scan (7x7x11)/Cube 0: Measurement grid: $dx=4$ mm, $dy=4$ mm, $dz=2$ mm

Reference Value = 65.60 V/m; Power Drift = 0.14 dB

Peak SAR (extrapolated) = 34.7 W/kg

SAR(1 g) = 8.12 W/kg; SAR(10 g) = 2.33 W/kg

Maximum value of SAR (measured) = 16.9 W/kg



DUT: Dipole 5000 MHz; Type: D5GHzV2; Serial: 1092

Communication System: CW; Frequency: 5800 MHz

Medium parameters used: $f = 5800$ MHz; $\sigma = 5.213$ S/m; $\epsilon_r = 35.085$; $\rho = 1000$ kg/m³

Phantom section: Flat section

DASY Configuration

Probe: EX3DV4 - SN3745; ConvF(4.23, 4.23, 4.23); Calibrated: 4/15/2014;

Sensor-Surface: 2mm (Mechanical Surface Detection), $z = 1.0, 21.0$

Electronics: DAE4 Sn539; Calibrated: 10/15/2014

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

MEASUREMENT SW: DASY52, VERSION 52.8 (8);

Test date: 2014-12-16; Ambient Temp: 24.3; Tissue Temp: 20.1

5800 MHz System Verification -Head-

Area Scan (7x7x1): Measurement grid: $dx=10$ mm, $dy=10$ mm

Maximum value of SAR (measured) = 17.8 W/kg

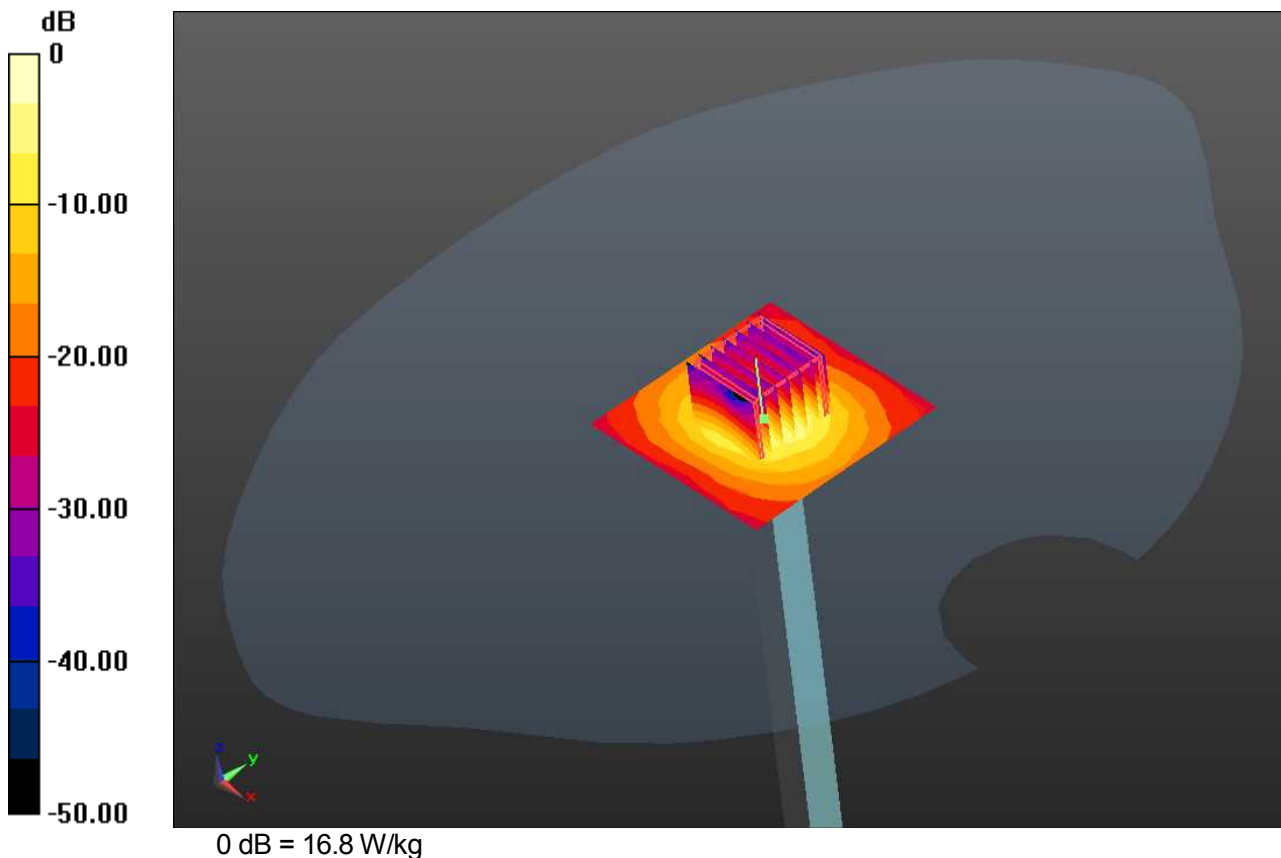
Zoom Scan (7x7x11)/Cube 0: Measurement grid: $dx=4$ mm, $dy=4$ mm, $dz=2$ mm

Reference Value = 63.62 V/m; Power Drift = -0.19 dB

Peak SAR (extrapolated) = 35.9 W/kg

SAR(1 g) = 7.95 W/kg; SAR(10 g) = 2.28 W/kg

Maximum value of SAR (measured) = 16.8 W/kg



DUT: Dipole 5000 MHz; Type: D5GHzV2; Serial: 1092

Communication System: CW; Frequency: 5800 MHz

Medium parameters used: $f = 5800$ MHz; $\sigma = 5.213$ S/m; $\epsilon_r = 35.085$; $\rho = 1000$ kg/m³

Phantom section: Flat section

DASY Configuration

Probe: EX3DV4 - SN3745; ConvF(4.23, 4.23, 4.23); Calibrated: 4/15/2014;

Sensor-Surface: 2mm (Mechanical Surface Detection), $z = 1.0, 21.0$

Electronics: DAE4 Sn539; Calibrated: 10/15/2014

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

MEASUREMENT SW: DASY52, VERSION 52.8 (8);

Test date: 2014-12-16; Ambient Temp: 24.3; Tissue Temp: 20.1

5800 MHz System Verification -Head-

Area Scan (7x7x1): Measurement grid: $dx=10$ mm, $dy=10$ mm

Maximum value of SAR (measured) = 17.8 W/kg

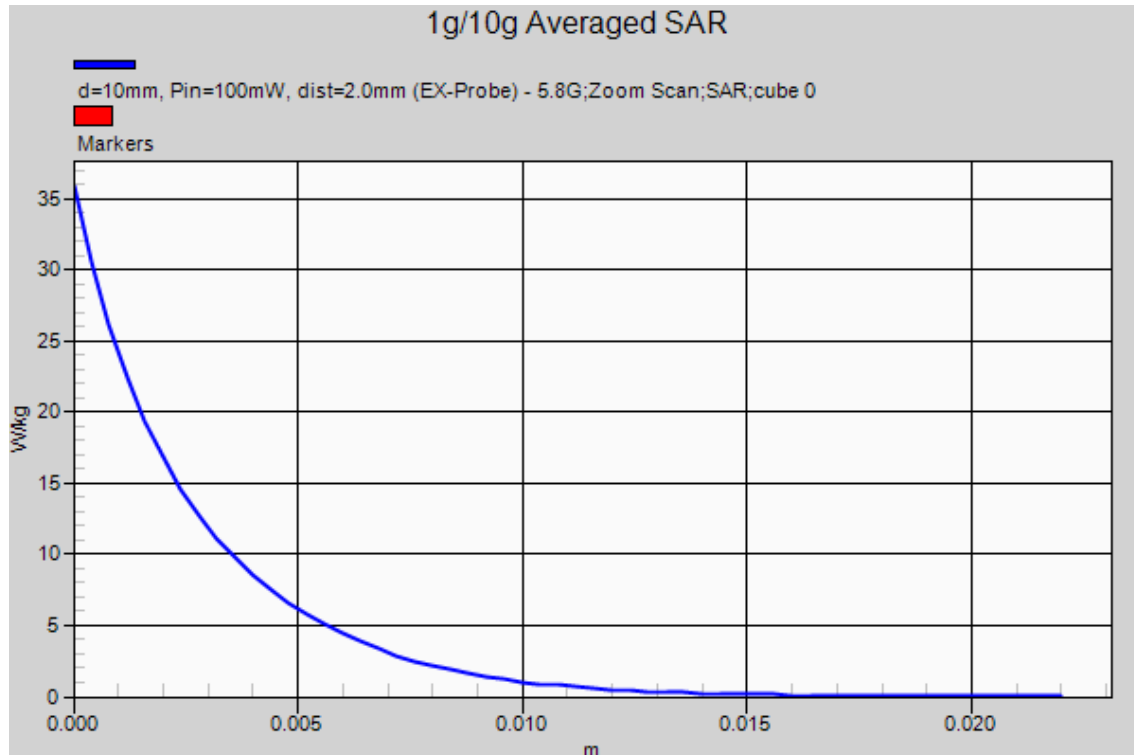
Zoom Scan (7x7x11)/Cube 0: Measurement grid: $dx=4$ mm, $dy=4$ mm, $dz=2$ mm

Reference Value = 63.62 V/m; Power Drift = -0.19 dB

Peak SAR (extrapolated) = 35.9 W/kg

SAR(1 g) = 7.95 W/kg; SAR(10 g) = 2.28 W/kg

Maximum value of SAR (measured) = 16.8 W/kg



DUT: Dipole 5000 MHz; Type: D5GHzV2; Serial: 1092

Communication System: CW; Frequency: 5200 MHz

Medium parameters used: $f = 5200$ MHz; $\sigma = 4.537$ S/m; $\epsilon_r = 36.059$; $\rho = 1000$ kg/m³

Phantom section: Flat section

DASY Configuration

Probe: EX3DV4 - SN3745; ConvF(4.68, 4.68, 4.68); Calibrated: 4/15/2014;

Sensor-Surface: 2mm (Mechanical Surface Detection), $z = 1.0, 21.0$

Electronics: DAE4 Sn539; Calibrated: 10/15/2014

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

MEASUREMENT SW: DASY52, VERSION 52.8 (8);

Test date: 2014-12-19; Ambient Temp: 21.8; Tissue Temp: 22.0

5200 MHz System Verification -Head-

Area Scan (7x7x1): Measurement grid: $dx=10$ mm, $dy=10$ mm

Maximum value of SAR (measured) = 15.9 W/kg

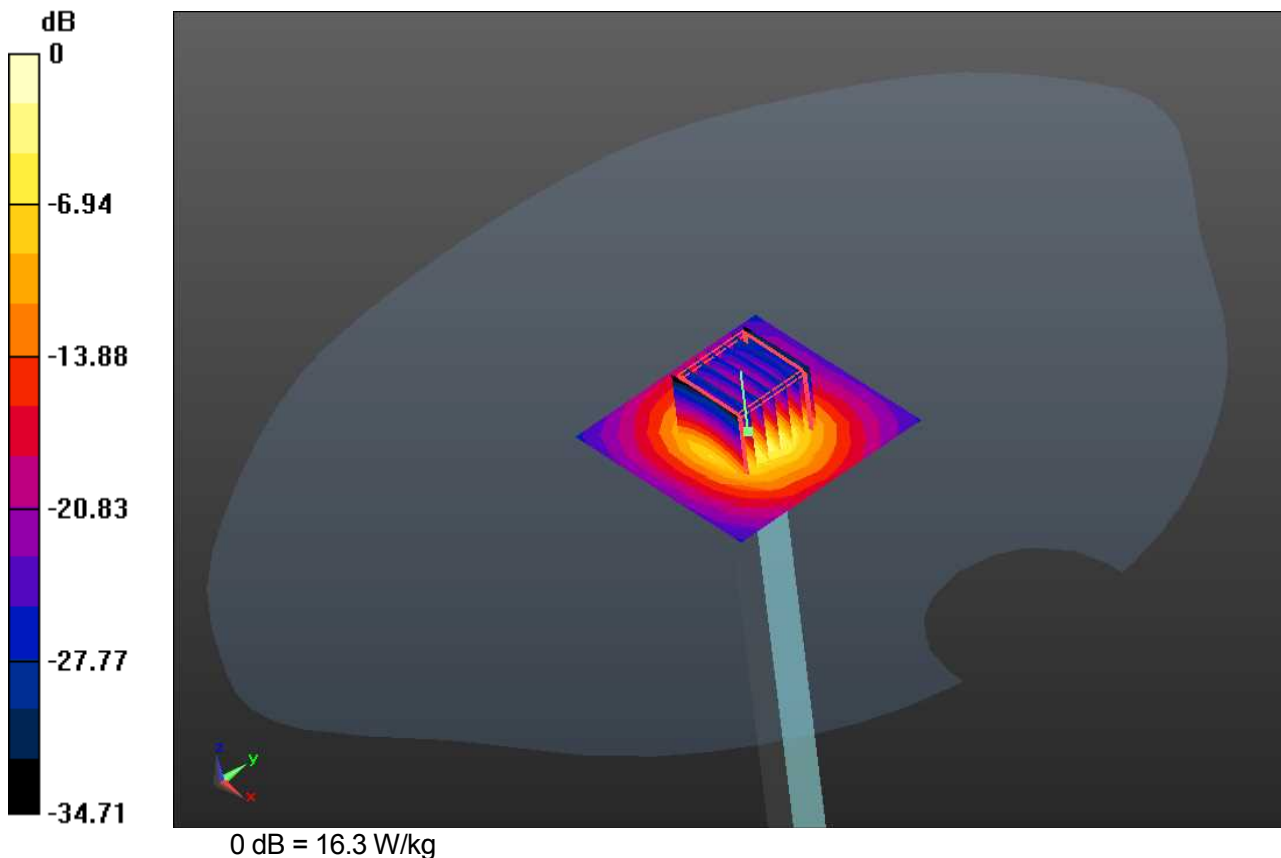
Zoom Scan (7x7x11)/Cube 0: Measurement grid: $dx=4$ mm, $dy=4$ mm, $dz=2$ mm

Reference Value = 62.50 V/m; Power Drift = 0.07 dB

Peak SAR (extrapolated) = 32.3 W/kg

SAR(1 g) = 7.97 W/kg; SAR(10 g) = 2.33 W/kg

Maximum value of SAR (measured) = 16.3 W/kg



DUT: Dipole 5000 MHz; Type: D5GHzV2; Serial: 1092

Communication System: CW; Frequency: 5200 MHz

Medium parameters used: $f = 5200$ MHz; $\sigma = 4.537$ S/m; $\epsilon_r = 36.059$; $\rho = 1000$ kg/m³

Phantom section: Flat section

DASY Configuration

Probe: EX3DV4 - SN3745; ConvF(4.68, 4.68, 4.68); Calibrated: 4/15/2014;

Sensor-Surface: 2mm (Mechanical Surface Detection), $z = 1.0, 21.0$

Electronics: DAE4 Sn539; Calibrated: 10/15/2014

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

MEASUREMENT SW: DASY52, VERSION 52.8 (8);

Test date: 2014-12-19; Ambient Temp: 21.8; Tissue Temp: 22.0

5200 MHz System Verification -Head-**Area Scan (7x7x1):** Measurement grid: $dx=10$ mm, $dy=10$ mm

Maximum value of SAR (measured) = 15.9 W/kg

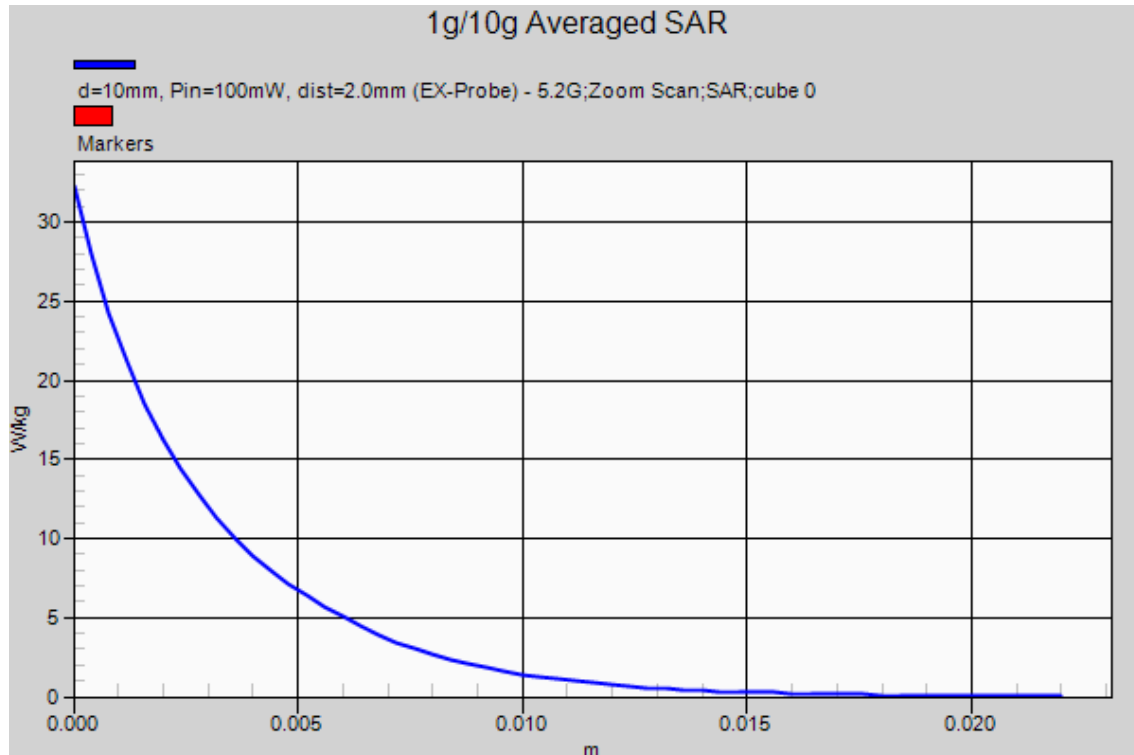
Zoom Scan (7x7x11)/Cube 0: Measurement grid: $dx=4$ mm, $dy=4$ mm, $dz=2$ mm

Reference Value = 62.50 V/m; Power Drift = 0.07 dB

Peak SAR (extrapolated) = 32.3 W/kg

SAR(1 g) = 7.97 W/kg; SAR(10 g) = 2.33 W/kg

Maximum value of SAR (measured) = 16.3 W/kg



DUT: Dipole 5000 MHz; Type: D5GHzV2; Serial: 1092

Communication System: CW; Frequency: 5500 MHz

Medium parameters used: $f = 5500$ MHz; $\sigma = 4.829$ S/m; $\epsilon_r = 35.683$; $\rho = 1000$ kg/m³

Phantom section: Flat section

DASY Configuration

Probe: EX3DV4 - SN3745; ConvF(4.34, 4.34, 4.34); Calibrated: 4/15/2014;

Sensor-Surface: 2mm (Mechanical Surface Detection), $z = 1.0, 21.0$

Electronics: DAE4 Sn539; Calibrated: 10/15/2014

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

MEASUREMENT SW: DASY52, VERSION 52.8 (8);

Test date: 2014-12-19; Ambient Temp: 21.8; Tissue Temp: 22.0

5500 MHz System Verification -Head-

Area Scan (7x7x1): Measurement grid: $dx=10$ mm, $dy=10$ mm

Maximum value of SAR (measured) = 17.5 W/kg

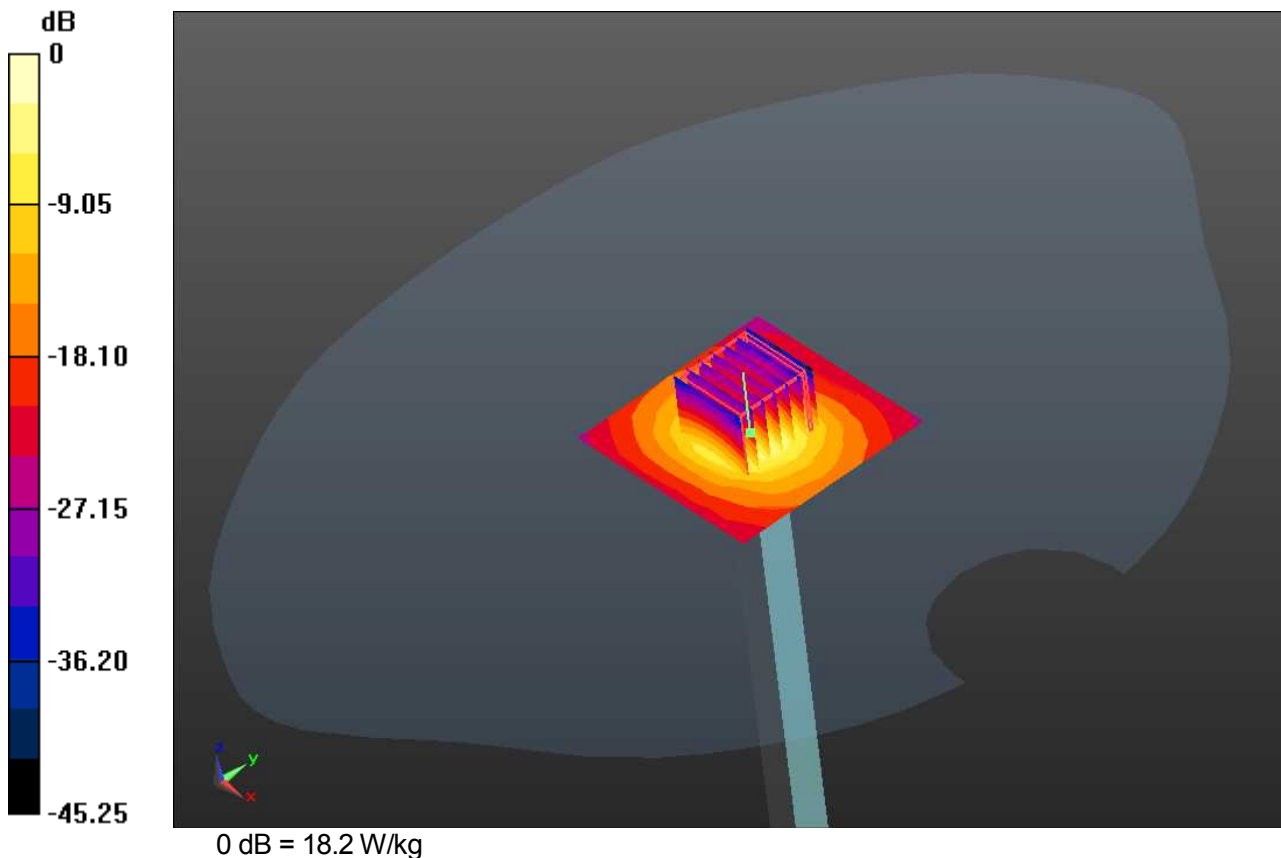
Zoom Scan (7x7x11)/Cube 0: Measurement grid: $dx=4$ mm, $dy=4$ mm, $dz=2$ mm

Reference Value = 65.06 V/m; Power Drift = 0.02 dB

Peak SAR (extrapolated) = 36.7 W/kg

SAR(1 g) = 8.71 W/kg; SAR(10 g) = 2.50 W/kg

Maximum value of SAR (measured) = 18.2 W/kg



DUT: Dipole 5000 MHz; Type: D5GHzV2; Serial: 1092

Communication System: CW; Frequency: 5500 MHz

Medium parameters used: $f = 5500$ MHz; $\sigma = 4.829$ S/m; $\epsilon_r = 35.683$; $\rho = 1000$ kg/m³

Phantom section: Flat section

DASY Configuration

Probe: EX3DV4 - SN3745; ConvF(4.34, 4.34, 4.34); Calibrated: 4/15/2014;

Sensor-Surface: 2mm (Mechanical Surface Detection), $z = 1.0, 21.0$

Electronics: DAE4 Sn539; Calibrated: 10/15/2014

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

MEASUREMENT SW: DASY52, VERSION 52.8 (8);

Test date: 2014-12-19; Ambient Temp: 21.8; Tissue Temp: 22.0

5500 MHz System Verification -Head-

Area Scan (7x7x1): Measurement grid: $dx=10$ mm, $dy=10$ mm

Maximum value of SAR (measured) = 17.5 W/kg

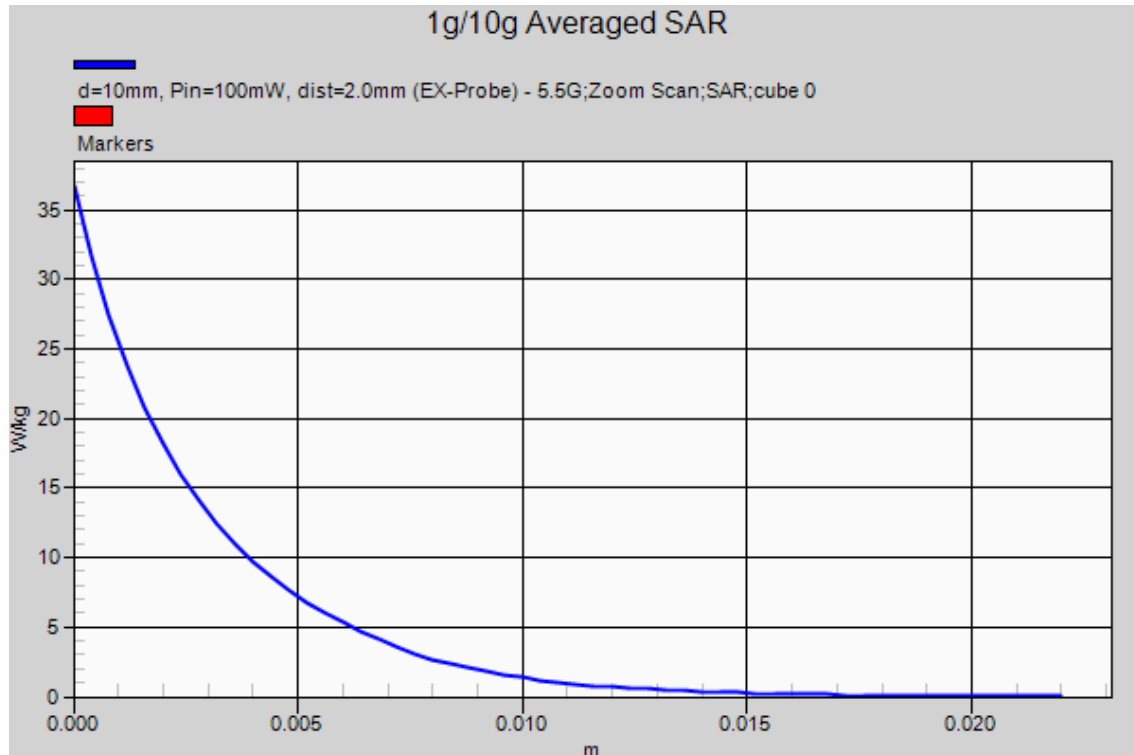
Zoom Scan (7x7x11)/Cube 0: Measurement grid: $dx=4$ mm, $dy=4$ mm, $dz=2$ mm

Reference Value = 65.06 V/m; Power Drift = 0.02 dB

Peak SAR (extrapolated) = 36.7 W/kg

SAR(1 g) = 8.71 W/kg; SAR(10 g) = 2.50 W/kg

Maximum value of SAR (measured) = 18.2 W/kg



DUT: Dipole 5000 MHz; Type: D5GHzV2; Serial: 1092

Communication System: CW; Frequency: 5800 MHz

Medium parameters used: $f = 5800$ MHz; $\sigma = 5.152$ S/m; $\epsilon_r = 35.264$; $\rho = 1000$ kg/m³

Phantom section: Flat section

DASY Configuration

Probe: EX3DV4 - SN3745; ConvF(4.23, 4.23, 4.23); Calibrated: 4/15/2014;

Sensor-Surface: 2mm (Mechanical Surface Detection), $z = 1.0, 21.0$

Electronics: DAE4 Sn539; Calibrated: 10/15/2014

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

MEASUREMENT SW: DASY52, VERSION 52.8 (8);

Test date: 2014-12-19; Ambient Temp: 21.8; Tissue Temp: 22.0

5800 MHz System Verification -Head-

Area Scan (7x7x1): Measurement grid: $dx=10$ mm, $dy=10$ mm

Maximum value of SAR (measured) = 15.4 W/kg

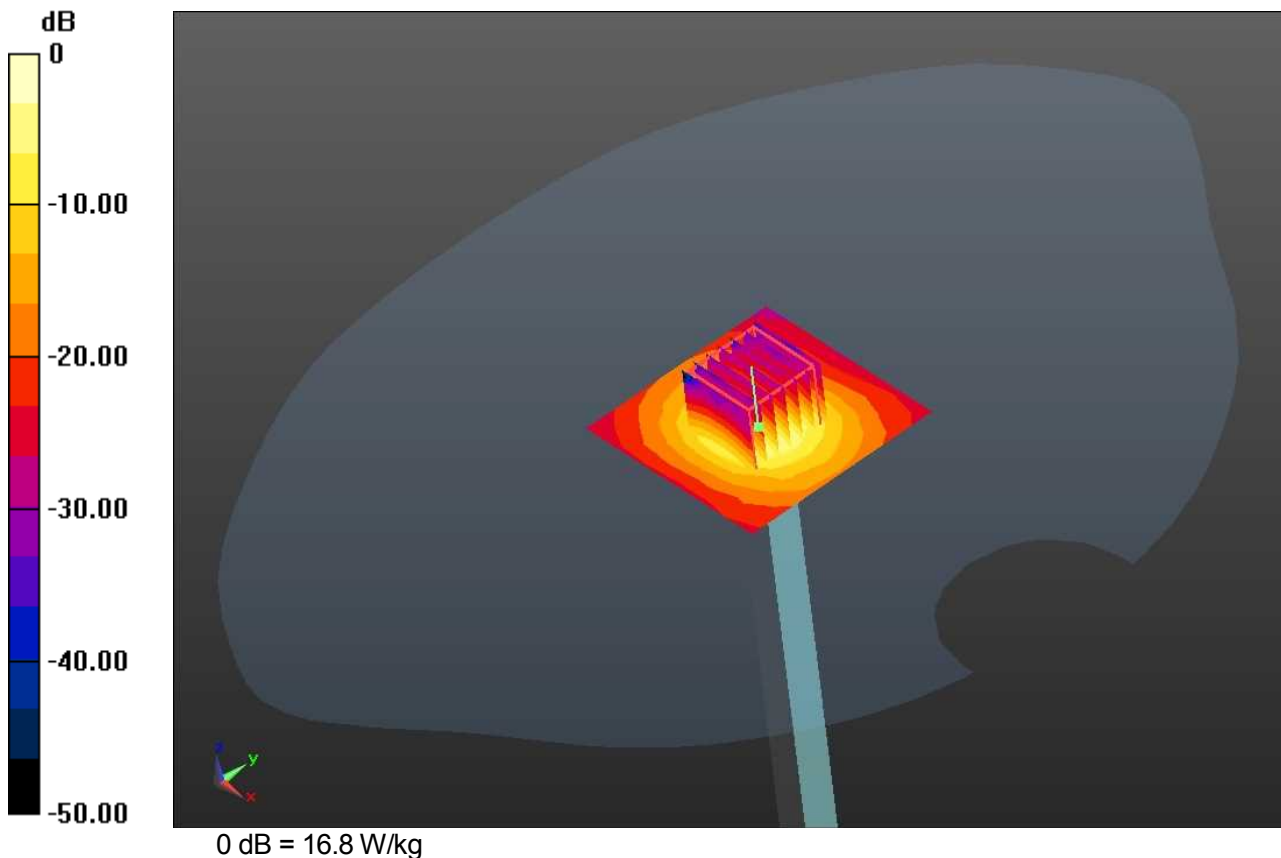
Zoom Scan (7x7x11)/Cube 0: Measurement grid: $dx=4$ mm, $dy=4$ mm, $dz=2$ mm

Reference Value = 59.70 V/m; Power Drift = 0.02 dB

Peak SAR (extrapolated) = 36.7 W/kg

SAR(1 g) = 8.04 W/kg; SAR(10 g) = 2.29 W/kg

Maximum value of SAR (measured) = 16.8 W/kg



DUT: Dipole 5000 MHz; Type: D5GHzV2; Serial: 1092

Communication System: CW; Frequency: 5800 MHz

Medium parameters used: $f = 5800$ MHz; $\sigma = 5.152$ S/m; $\epsilon_r = 35.264$; $\rho = 1000$ kg/m³

Phantom section: Flat section

DASY Configuration

Probe: EX3DV4 - SN3745; ConvF(4.23, 4.23, 4.23); Calibrated: 4/15/2014;

Sensor-Surface: 2mm (Mechanical Surface Detection), $z = 1.0, 21.0$

Electronics: DAE4 Sn539; Calibrated: 10/15/2014

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

MEASUREMENT SW: DASY52, VERSION 52.8 (8);

Test date: 2014-12-19; Ambient Temp: 21.8; Tissue Temp: 22.0

5800 MHz System Verification -Head-

Area Scan (7x7x1): Measurement grid: $dx=10$ mm, $dy=10$ mm

Maximum value of SAR (measured) = 15.4 W/kg

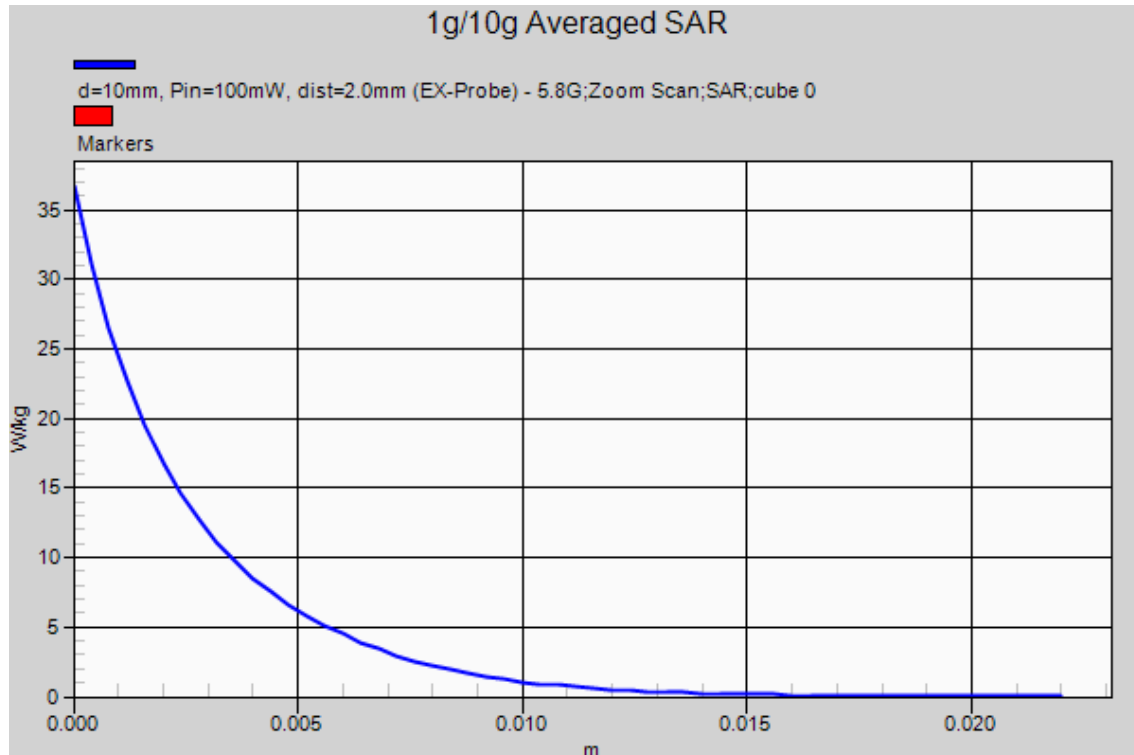
Zoom Scan (7x7x11)/Cube 0: Measurement grid: $dx=4$ mm, $dy=4$ mm, $dz=2$ mm

Reference Value = 59.70 V/m; Power Drift = 0.02 dB

Peak SAR (extrapolated) = 36.7 W/kg

SAR(1 g) = 8.04 W/kg; SAR(10 g) = 2.29 W/kg

Maximum value of SAR (measured) = 16.8 W/kg



DUT: Dipole 5000 MHz; Type: D5GHzV2; Serial: 1092

Communication System: CW; Frequency: 5200 MHz

Medium parameters used: $f = 5200$ MHz; $\sigma = 5.208$ S/m; $\epsilon_r = 48.949$; $\rho = 1000$ kg/m³

Phantom section: Flat section

DASY Configuration

Probe: EX3DV4 - SN3745; ConvF(4.19, 4.19, 4.19); Calibrated: 4/15/2014;

Sensor-Surface: 2mm (Mechanical Surface Detection), $z = 1.0, 21.0$

Electronics: DAE4 Sn539; Calibrated: 10/15/2014

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

MEASUREMENT SW: DASY52, VERSION 52.8 (8);

Test date: 2014-12-22; Ambient Temp: 21.9; Tissue Temp: 21.0

5200 MHz System Verification -Body-

Area Scan (7x7x1): Measurement grid: $dx=10$ mm, $dy=10$ mm

Maximum value of SAR (measured) = 15.0 W/kg

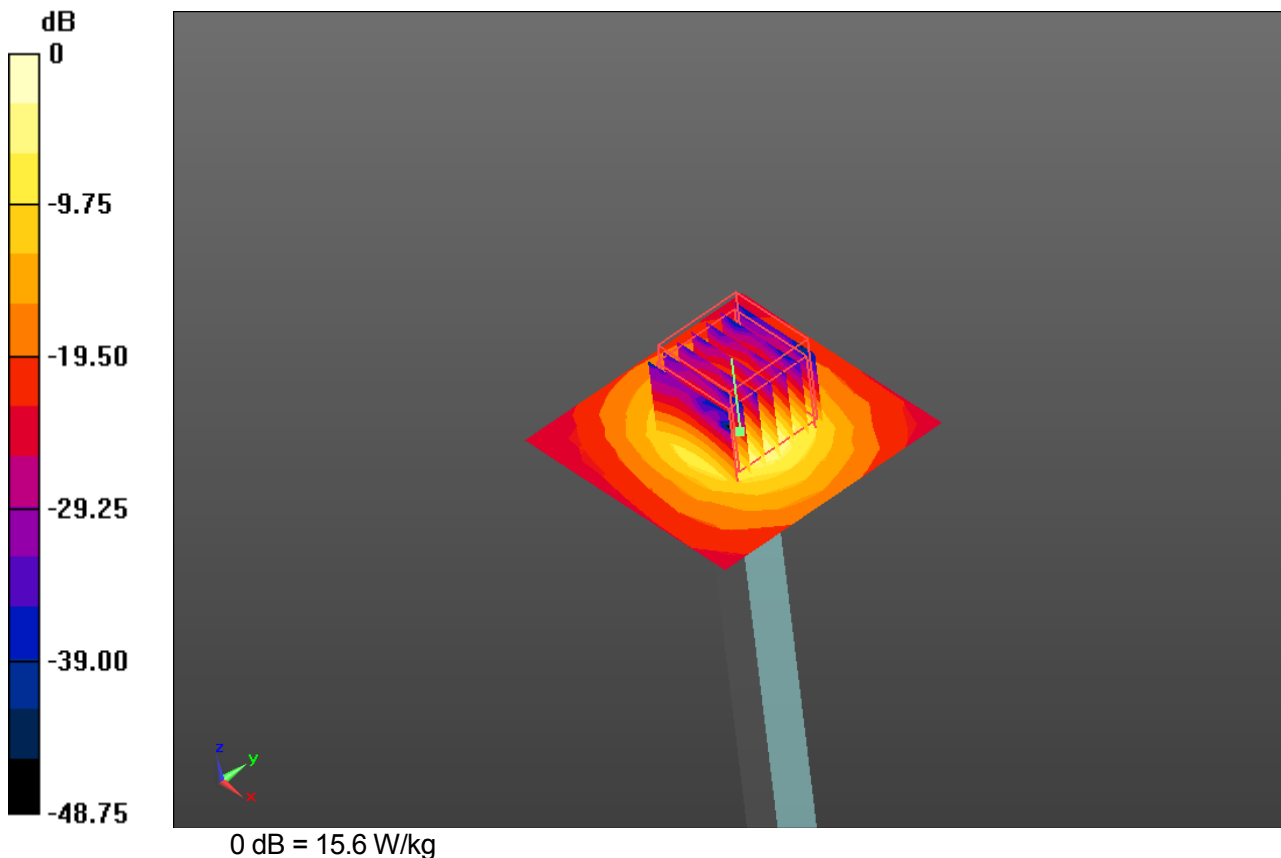
Zoom Scan (7x7x11)/Cube 0: Measurement grid: $dx=4$ mm, $dy=4$ mm, $dz=2$ mm

Reference Value = 57.62 V/m; Power Drift = 0.12 dB

Peak SAR (extrapolated) = 32.7 W/kg

SAR(1 g) = 7.42 W/kg; SAR(10 g) = 2.09 W/kg

Maximum value of SAR (measured) = 15.6 W/kg



DUT: Dipole 5000 MHz; Type: D5GHzV2; Serial: 1092

Communication System: CW; Frequency: 5200 MHz

Medium parameters used: $f = 5200$ MHz; $\sigma = 5.208$ S/m; $\epsilon_r = 48.949$; $\rho = 1000$ kg/m³

Phantom section: Flat section

DASY Configuration

Probe: EX3DV4 - SN3745; ConvF(4.19, 4.19, 4.19); Calibrated: 4/15/2014;

Sensor-Surface: 2mm (Mechanical Surface Detection), $z = 1.0, 21.0$

Electronics: DAE4 Sn539; Calibrated: 10/15/2014

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

MEASUREMENT SW: DASY52, VERSION 52.8 (8);

Test date: 2014-12-22; Ambient Temp: 21.9; Tissue Temp: 21.0

5200 MHz System Verification -Body-

Area Scan (7x7x1): Measurement grid: $dx=10$ mm, $dy=10$ mm

Maximum value of SAR (measured) = 15.0 W/kg

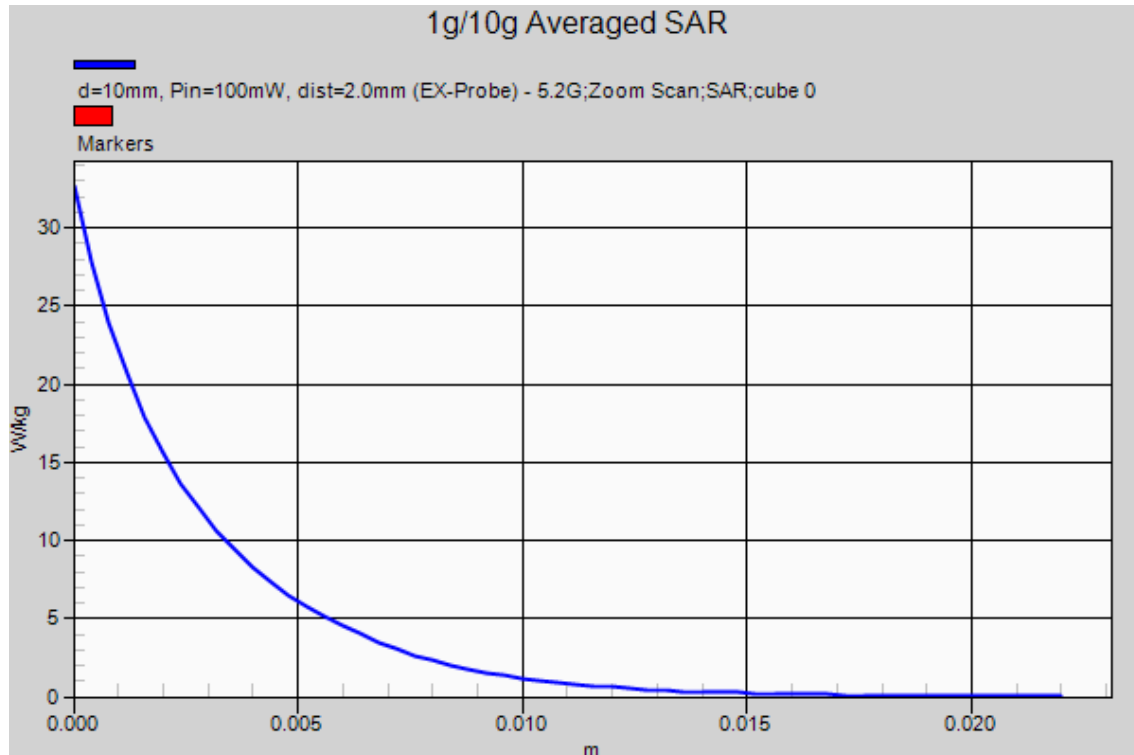
Zoom Scan (7x7x11)/Cube 0: Measurement grid: $dx=4$ mm, $dy=4$ mm, $dz=2$ mm

Reference Value = 57.62 V/m; Power Drift = 0.12 dB

Peak SAR (extrapolated) = 32.7 W/kg

SAR(1 g) = 7.42 W/kg; SAR(10 g) = 2.09 W/kg

Maximum value of SAR (measured) = 15.6 W/kg



DUT: Dipole 5000 MHz; Type: D5GHzV2; Serial: 1092

Communication System: CW; Frequency: 5500 MHz

Medium parameters used: $f = 5500$ MHz; $\sigma = 5.68$ S/m; $\epsilon_r = 48.629$; $\rho = 1000$ kg/m³

Phantom section: Flat section

DASY Configuration

Probe: EX3DV4 - SN3745; ConvF(3.7, 3.7, 3.7); Calibrated: 4/15/2014;

Sensor-Surface: 2mm (Mechanical Surface Detection), $z = 1.0, 21.0$

Electronics: DAE4 Sn539; Calibrated: 10/15/2014

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

MEASUREMENT SW: DASY52, VERSION 52.8 (8);

Test date: 2014-12-22; Ambient Temp: 21.9; Tissue Temp: 21.0

5500 MHz System Verification -Body-

Area Scan (7x7x1): Measurement grid: $dx=10$ mm, $dy=10$ mm

Maximum value of SAR (measured) = 15.5 W/kg

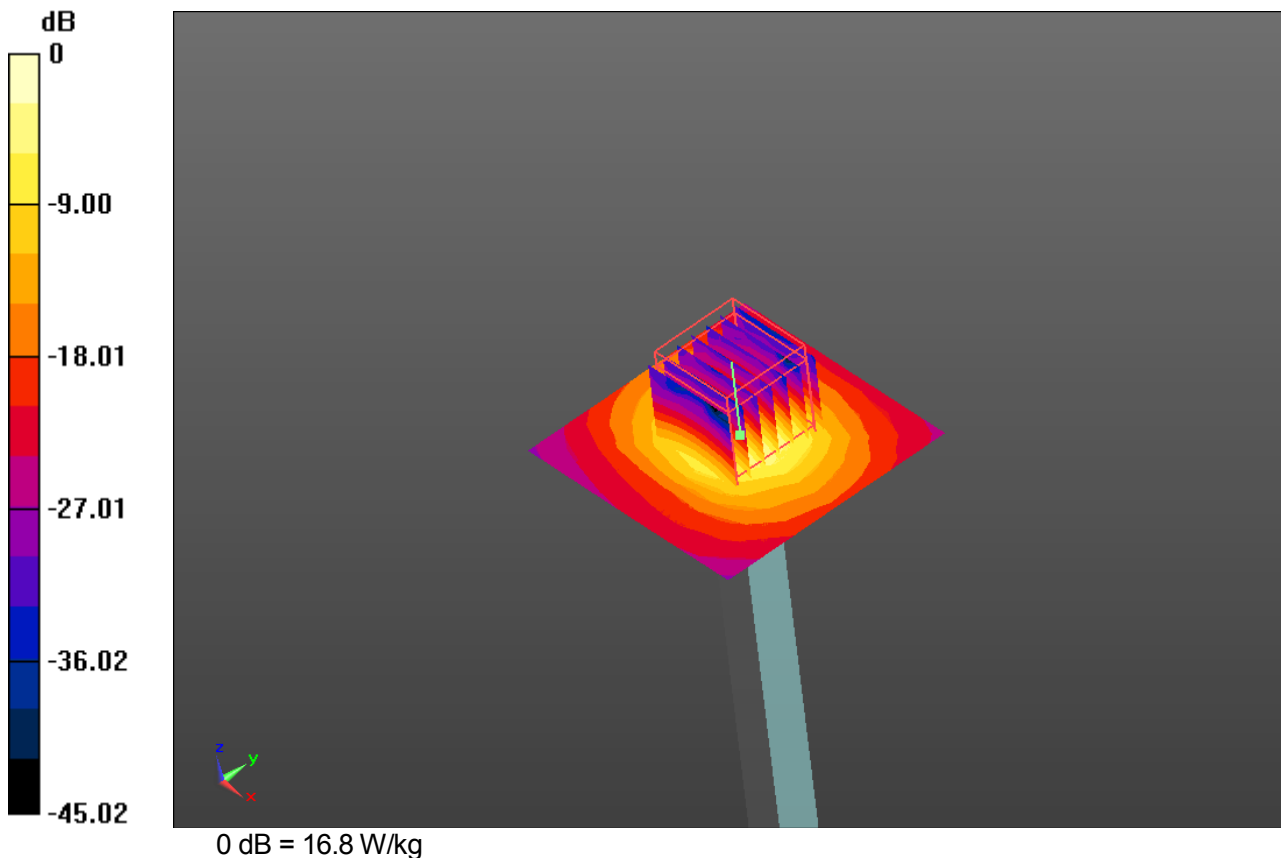
Zoom Scan (7x7x11)/Cube 0: Measurement grid: $dx=4$ mm, $dy=4$ mm, $dz=2$ mm

Reference Value = 57.58 V/m; Power Drift = 0.19 dB

Peak SAR (extrapolated) = 34.8 W/kg

SAR(1 g) = 7.89 W/kg; SAR(10 g) = 2.21 W/kg

Maximum value of SAR (measured) = 16.8 W/kg



DUT: Dipole 5000 MHz; Type: D5GHzV2; Serial: 1092

Communication System: CW; Frequency: 5500 MHz

Medium parameters used: $f = 5500$ MHz; $\sigma = 5.68$ S/m; $\epsilon_r = 48.629$; $\rho = 1000$ kg/m³

Phantom section: Flat section

DASY Configuration

Probe: EX3DV4 - SN3745; ConvF(3.7, 3.7, 3.7); Calibrated: 4/15/2014;

Sensor-Surface: 2mm (Mechanical Surface Detection), $z = 1.0, 21.0$

Electronics: DAE4 Sn539; Calibrated: 10/15/2014

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

MEASUREMENT SW: DASY52, VERSION 52.8 (8);

Test date: 2014-12-22; Ambient Temp: 21.9; Tissue Temp: 21.0

5500 MHz System Verification -Body-

Area Scan (7x7x1): Measurement grid: $dx=10$ mm, $dy=10$ mm

Maximum value of SAR (measured) = 15.5 W/kg

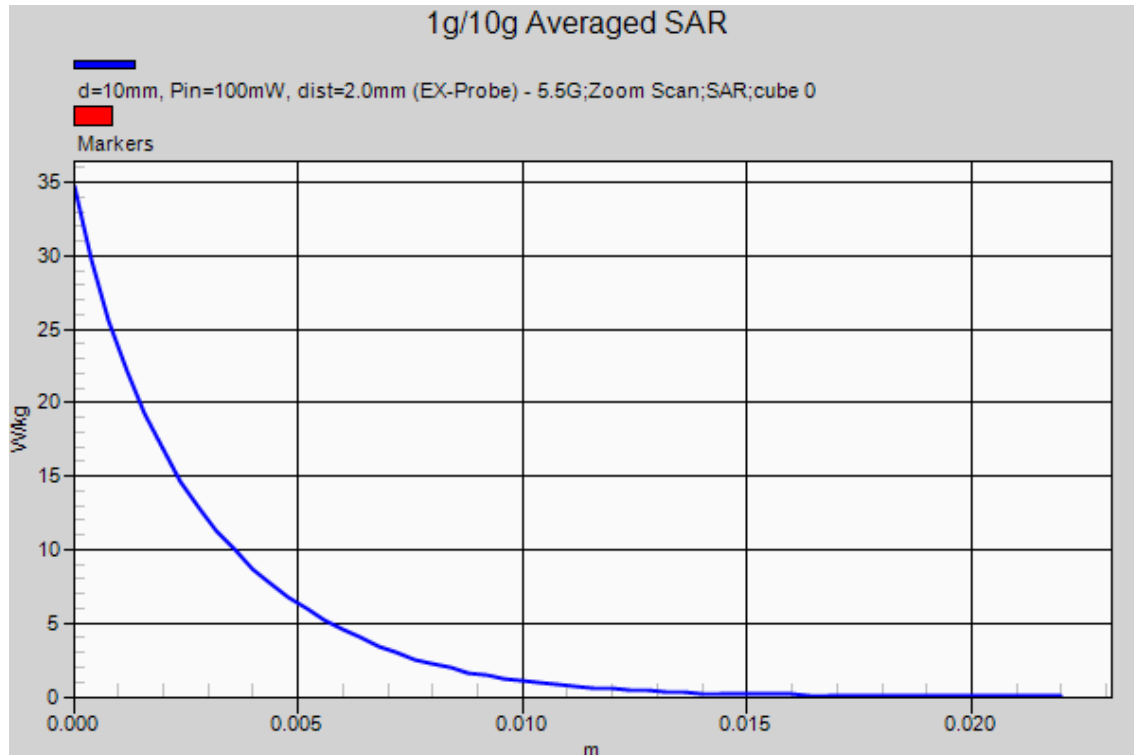
Zoom Scan (7x7x11)/Cube 0: Measurement grid: $dx=4$ mm, $dy=4$ mm, $dz=2$ mm

Reference Value = 57.58 V/m; Power Drift = 0.19 dB

Peak SAR (extrapolated) = 34.8 W/kg

SAR(1 g) = 7.89 W/kg; SAR(10 g) = 2.21 W/kg

Maximum value of SAR (measured) = 16.8 W/kg



DUT: Dipole 5000 MHz; Type: D5GHzV2; Serial: 1092

Communication System: CW; Frequency: 5800 MHz

Medium parameters used: $f = 5800$ MHz; $\sigma = 6.137$ S/m; $\epsilon_r = 48.021$; $\rho = 1000$ kg/m³

Phantom section: Flat section

DASY Configuration

Probe: EX3DV4 - SN3745; ConvF(3.88, 3.88, 3.88); Calibrated: 4/15/2014;

Sensor-Surface: 2mm (Mechanical Surface Detection), $z = 1.0, 21.0$

Electronics: DAE4 Sn539; Calibrated: 10/15/2014

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

MEASUREMENT SW: DASY52, VERSION 52.8 (8);

Test date: 2014-12-22; Ambient Temp: 21.9; Tissue Temp: 21.0

5800 MHz System Verification -Body-

Area Scan (7x7x1): Measurement grid: $dx=10$ mm, $dy=10$ mm

Maximum value of SAR (measured) = 17.1 W/kg

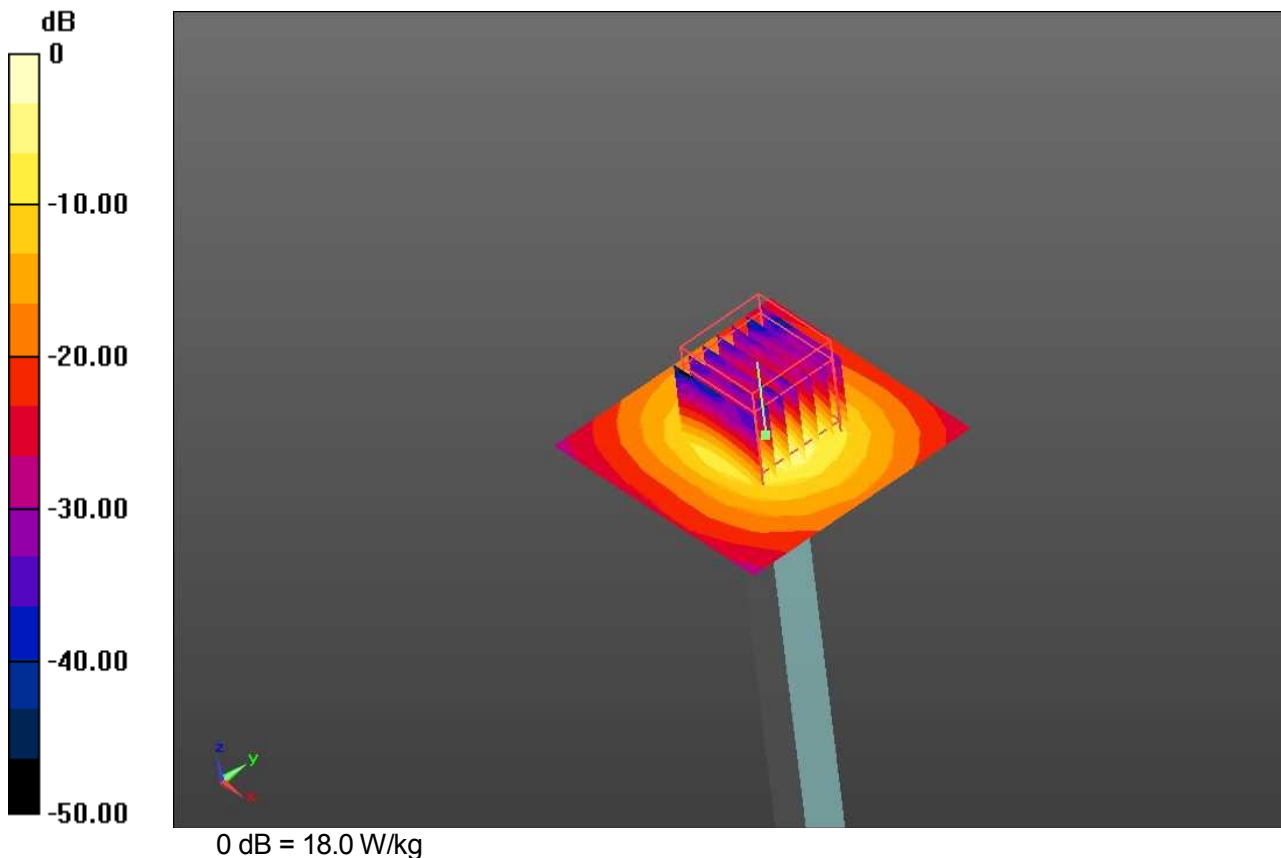
Zoom Scan (7x7x11)/Cube 0: Measurement grid: $dx=4$ mm, $dy=4$ mm, $dz=2$ mm

Reference Value = 58.74 V/m; Power Drift = 0.05 dB

Peak SAR (extrapolated) = 38.7 W/kg

SAR(1 g) = 8.27 W/kg; SAR(10 g) = 2.32 W/kg

Maximum value of SAR (measured) = 18.0 W/kg



DUT: Dipole 5000 MHz; Type: D5GHzV2; Serial: 1092

Communication System: CW; Frequency: 5800 MHz

Medium parameters used: $f = 5800$ MHz; $\sigma = 6.137$ S/m; $\epsilon_r = 48.021$; $\rho = 1000$ kg/m³

Phantom section: Flat section

DASY Configuration

Probe: EX3DV4 - SN3745; ConvF(3.88, 3.88, 3.88); Calibrated: 4/15/2014;

Sensor-Surface: 2mm (Mechanical Surface Detection), $z = 1.0, 21.0$

Electronics: DAE4 Sn539; Calibrated: 10/15/2014

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

MEASUREMENT SW: DASY52, VERSION 52.8 (8);

Test date: 2014-12-22; Ambient Temp: 21.9; Tissue Temp: 21.0

5800 MHz System Verification -Body-

Area Scan (7x7x1): Measurement grid: $dx=10$ mm, $dy=10$ mm

Maximum value of SAR (measured) = 17.1 W/kg

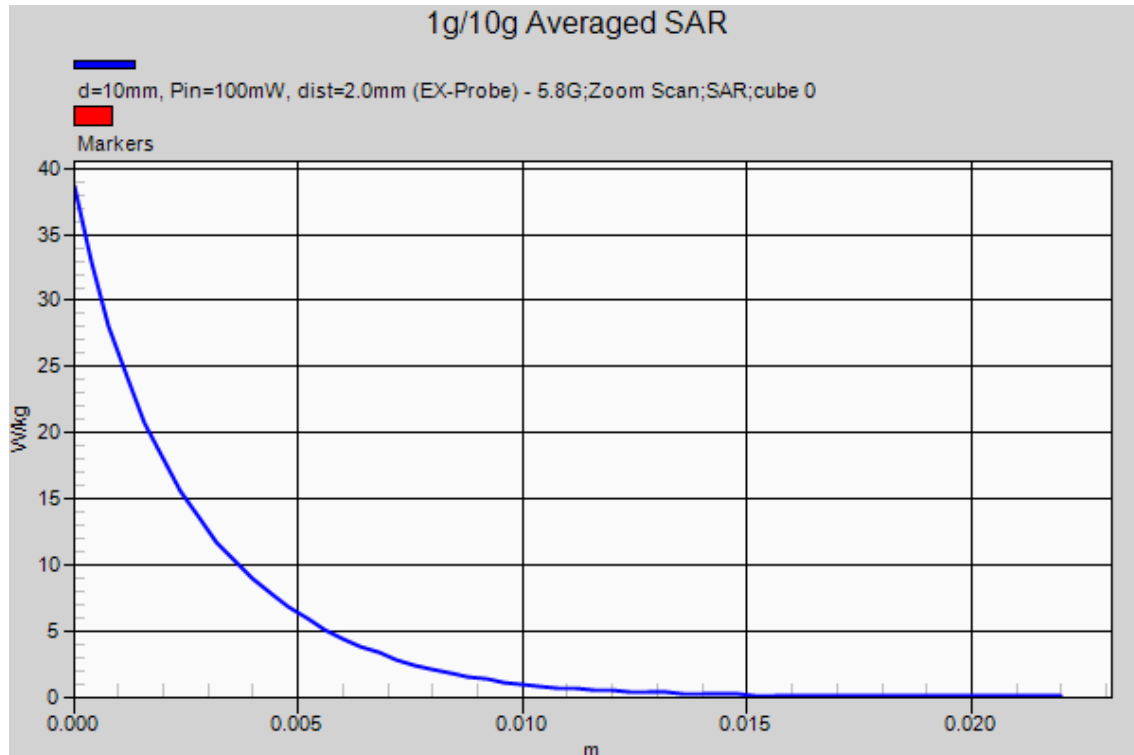
Zoom Scan (7x7x11)/Cube 0: Measurement grid: $dx=4$ mm, $dy=4$ mm, $dz=2$ mm

Reference Value = 58.74 V/m; Power Drift = 0.05 dB

Peak SAR (extrapolated) = 38.7 W/kg

SAR(1 g) = 8.27 W/kg; SAR(10 g) = 2.32 W/kg

Maximum value of SAR (measured) = 18.0 W/kg



DUT: Dipole 5000 MHz; Type: D5GHzV2; Serial: 1166

Communication System: CW; Frequency: 5200 MHz

Medium parameters used: $f = 5200$ MHz; $\sigma = 4.483$ S/m; $\epsilon_r = 36.394$; $\rho = 1000$ kg/m³

Phantom section: Flat section

DASY Configuration

Probe: EX3DV4 - SN3957; ConvF(5.34, 5.34, 5.34); Calibrated: 12/16/2014;

Sensor-Surface: 2mm (Mechanical Surface Detection), $z = 1.0, 21.0$

Electronics: DAE4 Sn1409; Calibrated: 12/11/2014

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

MEASUREMENT SW: DASY52, VERSION 52.8 (8);

Test date: 2015-1-21; Ambient Temp: 22.8; Tissue Temp: 21.1

5200 MHz System Verification -Head-

Area Scan (7x7x1): Measurement grid: $dx=10$ mm, $dy=10$ mm

Maximum value of SAR (measured) = 16.0 W/kg

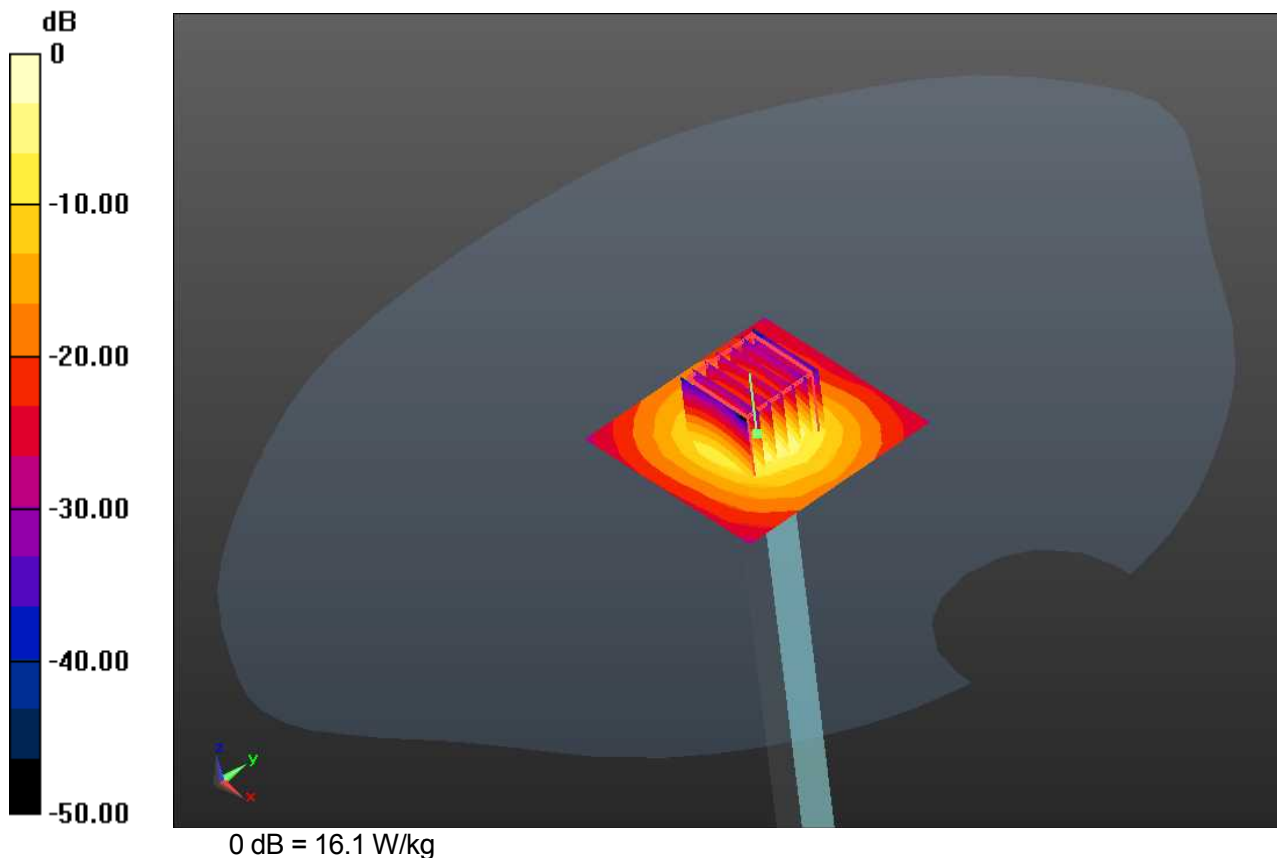
Zoom Scan (7x7x11)/Cube 0: Measurement grid: $dx=4$ mm, $dy=4$ mm, $dz=2$ mm

Reference Value = 62.50 V/m; Power Drift = -0.02 dB

Peak SAR (extrapolated) = 32.2 W/kg

SAR(1 g) = 7.78 W/kg; SAR(10 g) = 2.25 W/kg

Maximum value of SAR (measured) = 16.1 W/kg



DUT: Dipole 5000 MHz; Type: D5GHzV2; Serial: 1166

Communication System: CW; Frequency: 5200 MHz

Medium parameters used: $f = 5200$ MHz; $\sigma = 4.483$ S/m; $\epsilon_r = 36.394$; $\rho = 1000$ kg/m³

Phantom section: Flat section

DASY Configuration

Probe: EX3DV4 - SN3957; ConvF(5.34, 5.34, 5.34); Calibrated: 12/16/2014;

Sensor-Surface: 2mm (Mechanical Surface Detection), $z = 1.0, 21.0$

Electronics: DAE4 Sn1409; Calibrated: 12/11/2014

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

MEASUREMENT SW: DASY52, VERSION 52.8 (8);

Test date: 2015-1-21; Ambient Temp: 22.8; Tissue Temp: 21.1

5200 MHz System Verification -Head-

Area Scan (7x7x1): Measurement grid: $dx=10$ mm, $dy=10$ mm

Maximum value of SAR (measured) = 16.0 W/kg

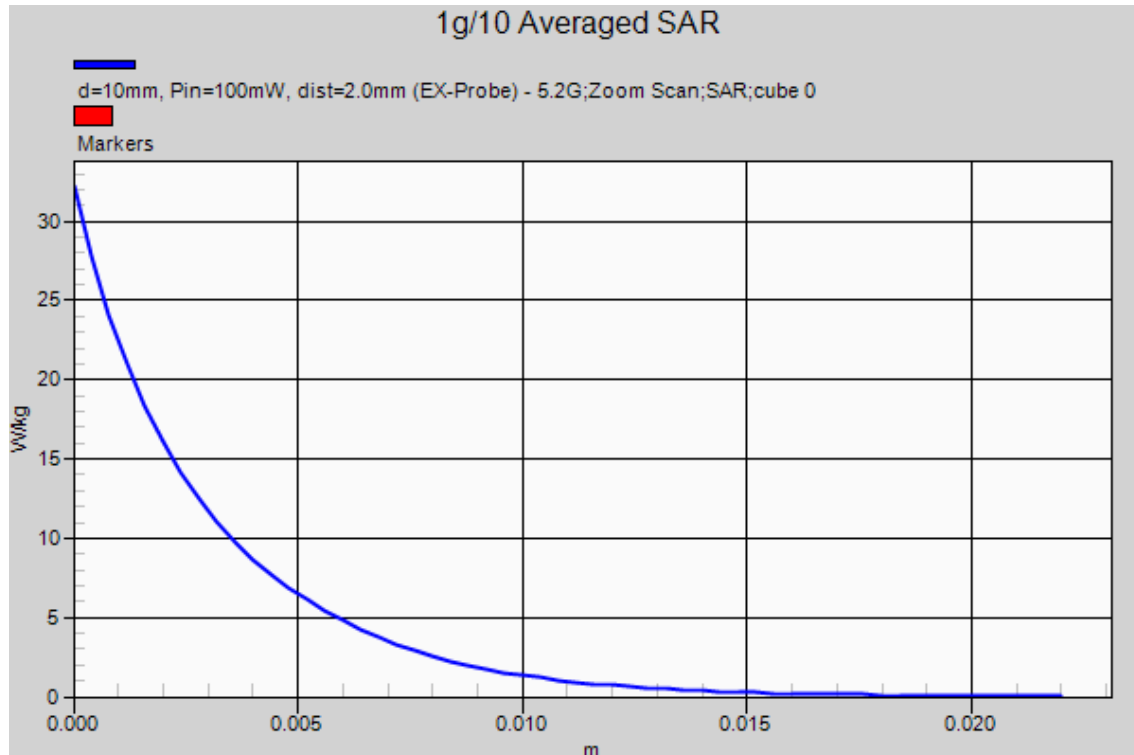
Zoom Scan (7x7x11)/Cube 0: Measurement grid: $dx=4$ mm, $dy=4$ mm, $dz=2$ mm

Reference Value = 62.50 V/m; Power Drift = -0.02 dB

Peak SAR (extrapolated) = 32.2 W/kg

SAR(1 g) = 7.78 W/kg; SAR(10 g) = 2.25 W/kg

Maximum value of SAR (measured) = 16.1 W/kg



DUT: Dipole 5000 MHz; Type: D5GHzV2; Serial: 1166

Communication System: CW; Frequency: 5500 MHz

Medium parameters used: $f = 5500$ MHz; $\sigma = 4.809$ S/m; $\epsilon_r = 36.012$; $\rho = 1000$ kg/m³

Phantom section: Flat section

DASY Configuration

Probe: EX3DV4 - SN3957; ConvF(4.93, 4.93, 4.93); Calibrated: 12/16/2014;

Sensor-Surface: 2mm (Mechanical Surface Detection), $z = 1.0, 21.0$

Electronics: DAE4 Sn1409; Calibrated: 12/11/2014

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

MEASUREMENT SW: DASY52, VERSION 52.8 (8);

Test date: 2015-1-21; Ambient Temp: 22.8; Tissue Temp: 21.1

5500 MHz System Verification -Head-

Area Scan (7x7x1): Measurement grid: $dx=10$ mm, $dy=10$ mm

Maximum value of SAR (measured) = 16.9 W/kg

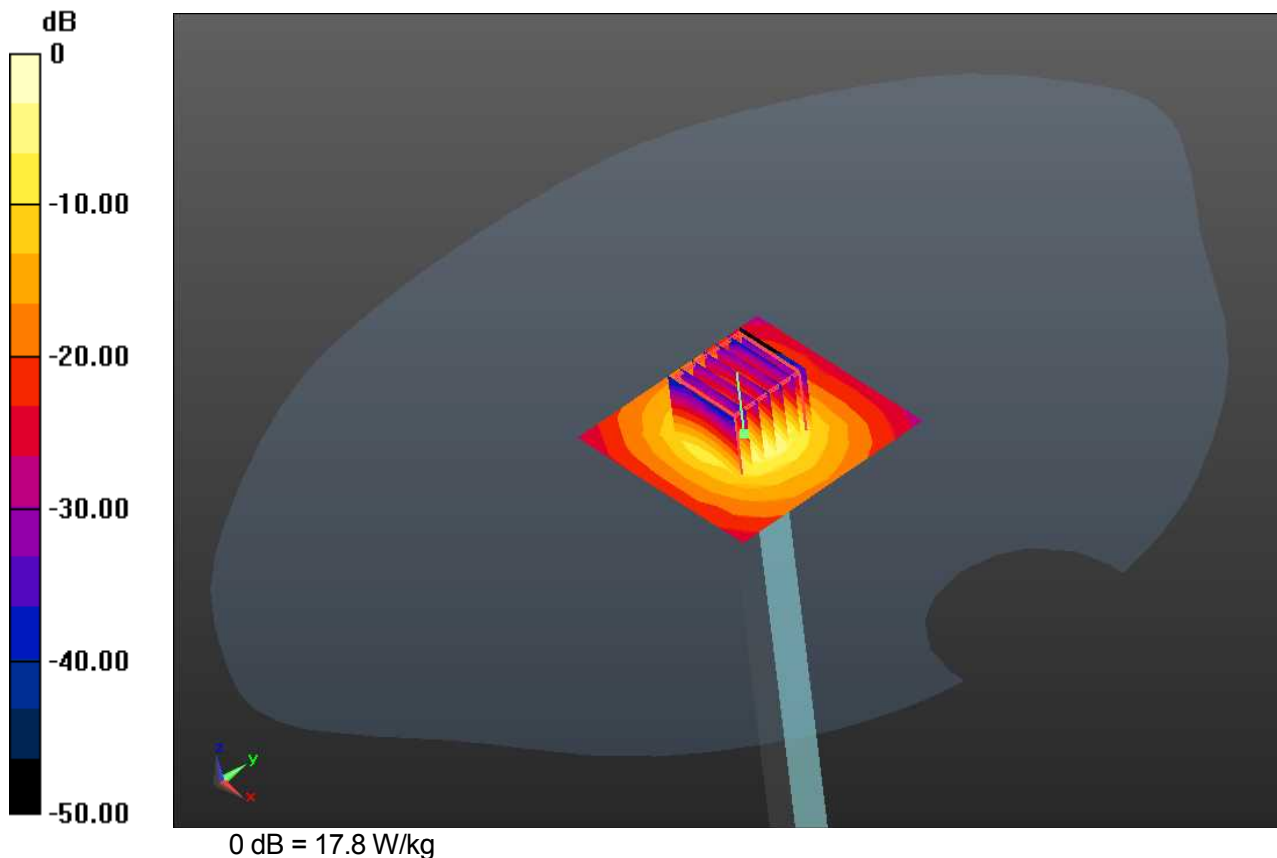
Zoom Scan (7x7x11)/Cube 0: Measurement grid: $dx=4$ mm, $dy=4$ mm, $dz=2$ mm

Reference Value = 63.62 V/m; Power Drift = 0.10 dB

Peak SAR (extrapolated) = 38.3 W/kg

SAR(1 g) = 8.55 W/kg; SAR(10 g) = 2.44 W/kg

Maximum value of SAR (measured) = 17.8 W/kg



DUT: Dipole 5000 MHz; Type: D5GHzV2; Serial: 1166

Communication System: CW; Frequency: 5500 MHz

Medium parameters used: $f = 5500$ MHz; $\sigma = 4.809$ S/m; $\epsilon_r = 36.012$; $\rho = 1000$ kg/m³

Phantom section: Flat section

DASY Configuration

Probe: EX3DV4 - SN3957; ConvF(4.93, 4.93, 4.93); Calibrated: 12/16/2014;

Sensor-Surface: 2mm (Mechanical Surface Detection), $z = 1.0, 21.0$

Electronics: DAE4 Sn1409; Calibrated: 12/11/2014

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

MEASUREMENT SW: DASY52, VERSION 52.8 (8);

Test date: 2015-1-21; Ambient Temp: 22.8; Tissue Temp: 21.1

5500 MHz System Verification -Head-

Area Scan (7x7x1): Measurement grid: $dx=10$ mm, $dy=10$ mm

Maximum value of SAR (measured) = 16.9 W/kg

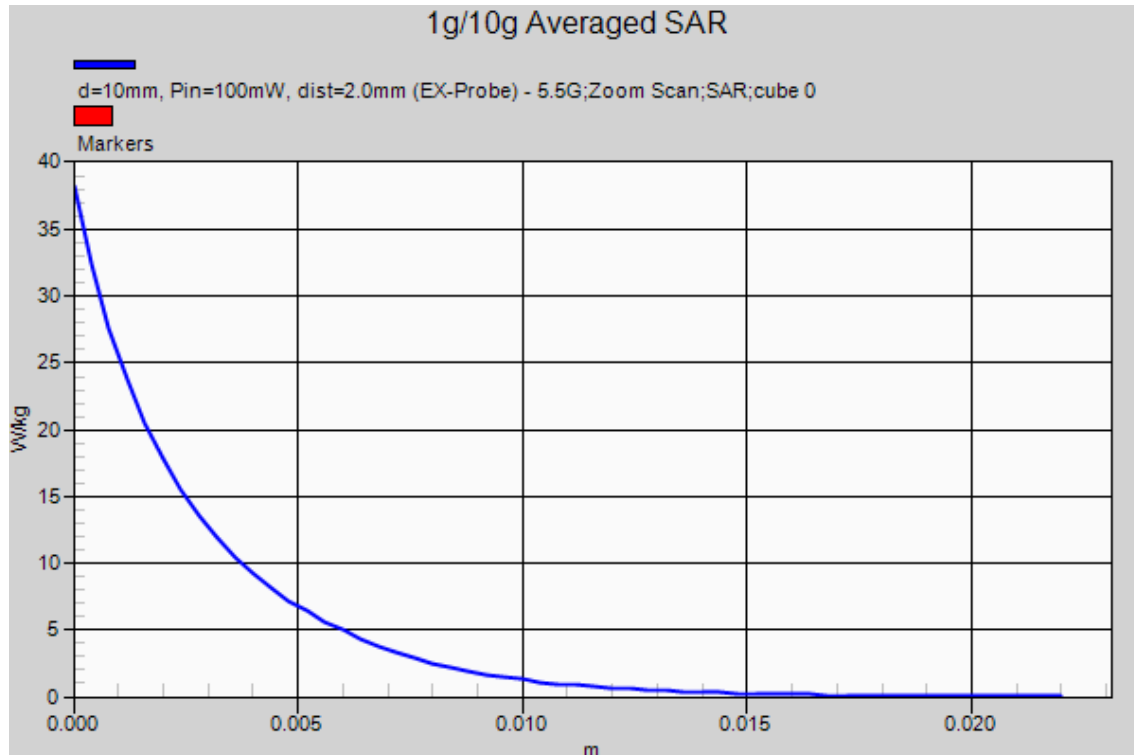
Zoom Scan (7x7x11)/Cube 0: Measurement grid: $dx=4$ mm, $dy=4$ mm, $dz=2$ mm

Reference Value = 63.62 V/m; Power Drift = 0.10 dB

Peak SAR (extrapolated) = 38.3 W/kg

SAR(1 g) = 8.55 W/kg; SAR(10 g) = 2.44 W/kg

Maximum value of SAR (measured) = 17.8 W/kg



DUT: Dipole 5000 MHz; Type: D5GHzV2; Serial: 1166

Communication System: CW; Frequency: 5800 MHz

Medium parameters used: $f = 5800$ MHz; $\sigma = 5.12$ S/m; $\epsilon_r = 35.554$; $\rho = 1000$ kg/m³

Phantom section: Flat section

DASY Configuration

Probe: EX3DV4 - SN3957; ConvF(4.69, 4.69, 4.69); Calibrated: 12/16/2014;

Sensor-Surface: 2mm (Mechanical Surface Detection), $z = 1.0, 21.0$

Electronics: DAE4 Sn1409; Calibrated: 12/11/2014

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

MEASUREMENT SW: DASY52, VERSION 52.8 (8);

Test date: 2015-1-21; Ambient Temp: 22.8; Tissue Temp: 21.1

5800 MHz System Verification -Head-

Area Scan (7x7x1): Measurement grid: $dx=10$ mm, $dy=10$ mm

Maximum value of SAR (measured) = 14.6 W/kg

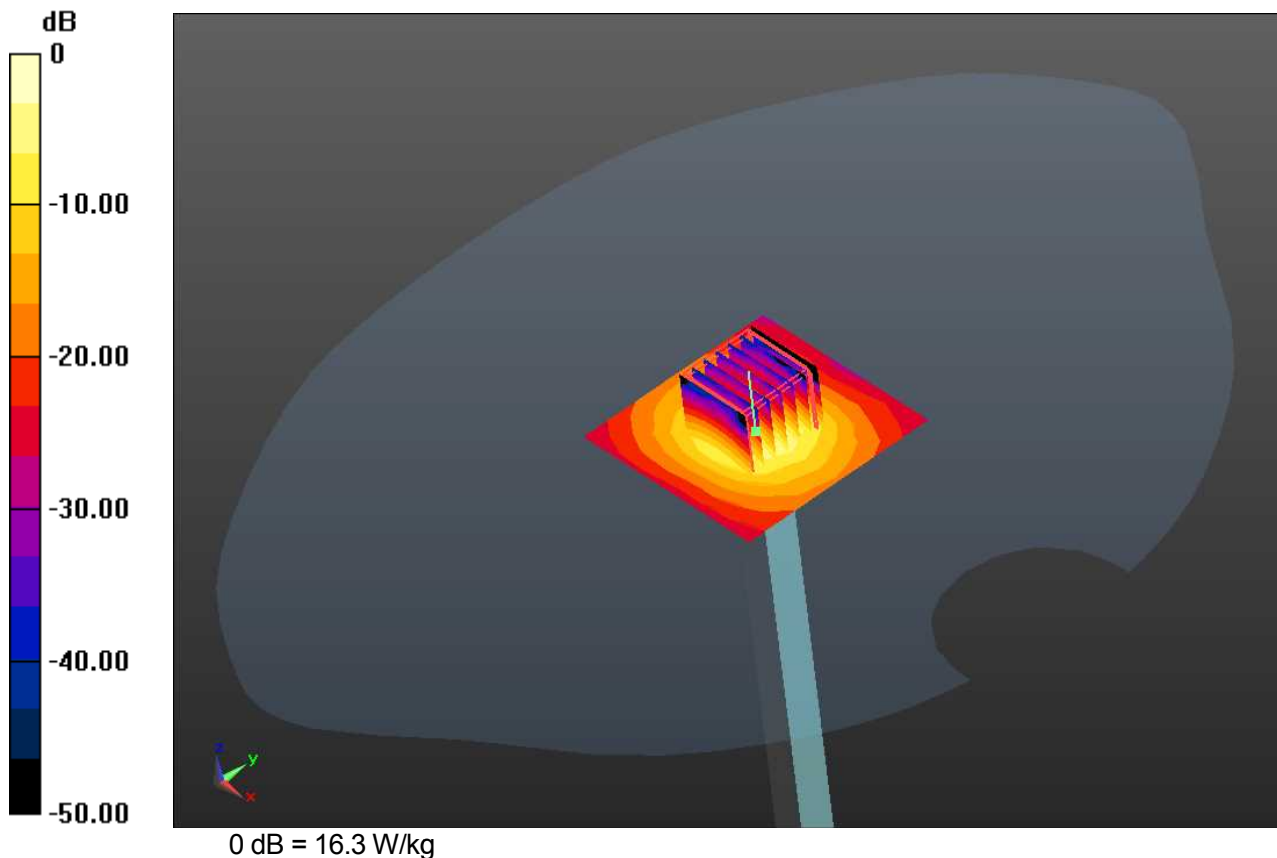
Zoom Scan (7x7x11)/Cube 0: Measurement grid: $dx=4$ mm, $dy=4$ mm, $dz=2$ mm

Reference Value = 60.23 V/m; Power Drift = 0.06 dB

Peak SAR (extrapolated) = 36.6 W/kg

SAR(1 g) = 7.88 W/kg; SAR(10 g) = 2.26 W/kg

Maximum value of SAR (measured) = 16.3 W/kg



DUT: Dipole 5000 MHz; Type: D5GHzV2; Serial: 1166

Communication System: CW; Frequency: 5800 MHz

Medium parameters used: $f = 5800$ MHz; $\sigma = 5.12$ S/m; $\epsilon_r = 35.554$; $\rho = 1000$ kg/m³

Phantom section: Flat section

DASY Configuration

Probe: EX3DV4 - SN3957; ConvF(4.69, 4.69, 4.69); Calibrated: 12/16/2014;

Sensor-Surface: 2mm (Mechanical Surface Detection), $z = 1.0, 21.0$

Electronics: DAE4 Sn1409; Calibrated: 12/11/2014

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

MEASUREMENT SW: DASY52, VERSION 52.8 (8);

Test date: 2015-1-21; Ambient Temp: 22.8; Tissue Temp: 21.1

5800 MHz System Verification -Head-

Area Scan (7x7x1): Measurement grid: $dx=10$ mm, $dy=10$ mm

Maximum value of SAR (measured) = 14.6 W/kg

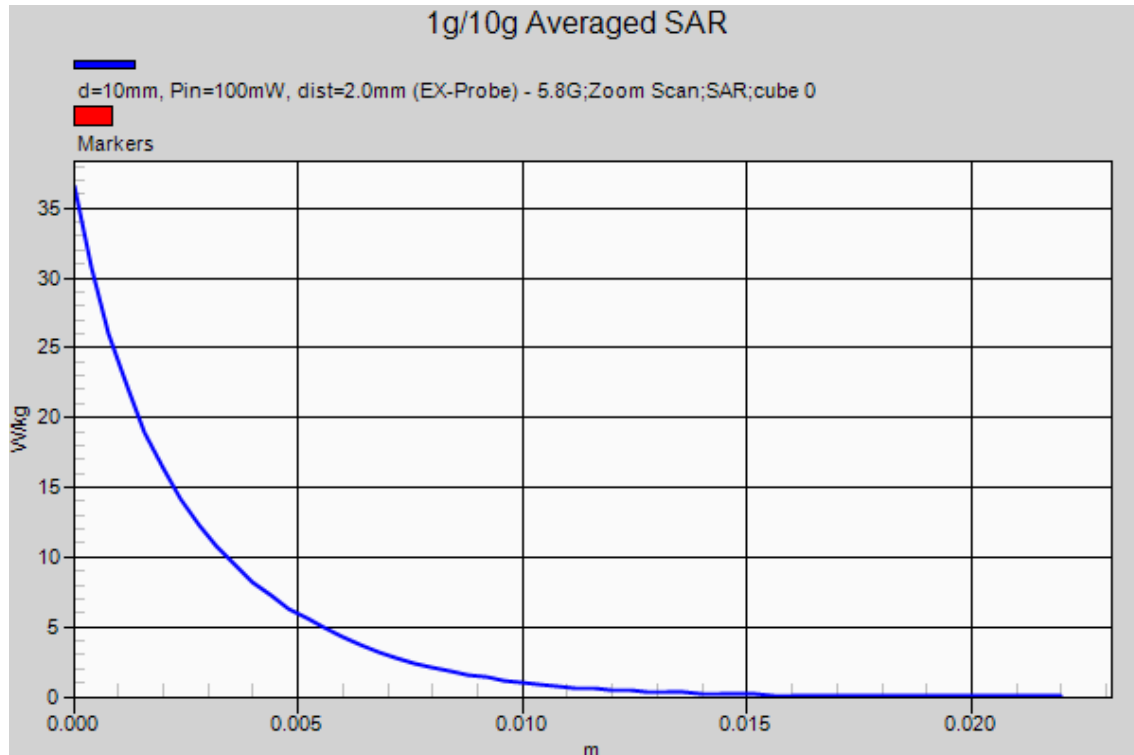
Zoom Scan (7x7x11)/Cube 0: Measurement grid: $dx=4$ mm, $dy=4$ mm, $dz=2$ mm

Reference Value = 60.23 V/m; Power Drift = 0.06 dB

Peak SAR (extrapolated) = 36.6 W/kg

SAR(1 g) = 7.88 W/kg; SAR(10 g) = 2.26 W/kg

Maximum value of SAR (measured) = 16.3 W/kg



DUT: Dipole 5000 MHz; Type: D5GHzV2; Serial: 1166

Communication System: CW; Frequency: 5200 MHz

Medium parameters used: $f = 5200$ MHz; $\sigma = 5.338$ S/m; $\epsilon_r = 49.128$; $\rho = 1000$ kg/m³

Phantom section: Flat section

DASY Configuration

Probe: EX3DV4 - SN3957; ConvF(4.49, 4.49, 4.49); Calibrated: 12/16/2014;

Sensor-Surface: 2mm (Mechanical Surface Detection), $z = 1.0, 21.0$

Electronics: DAE4 Sn1409; Calibrated: 12/11/2014

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

MEASUREMENT SW: DASY52, VERSION 52.8 (8);

Test date: 2015-1-22; Ambient Temp: 22.5; Tissue Temp: 22.0

5200 MHz System Verification -Body-

Area Scan (7x7x1): Measurement grid: $dx=10$ mm, $dy=10$ mm

Maximum value of SAR (measured) = 15.7 W/kg

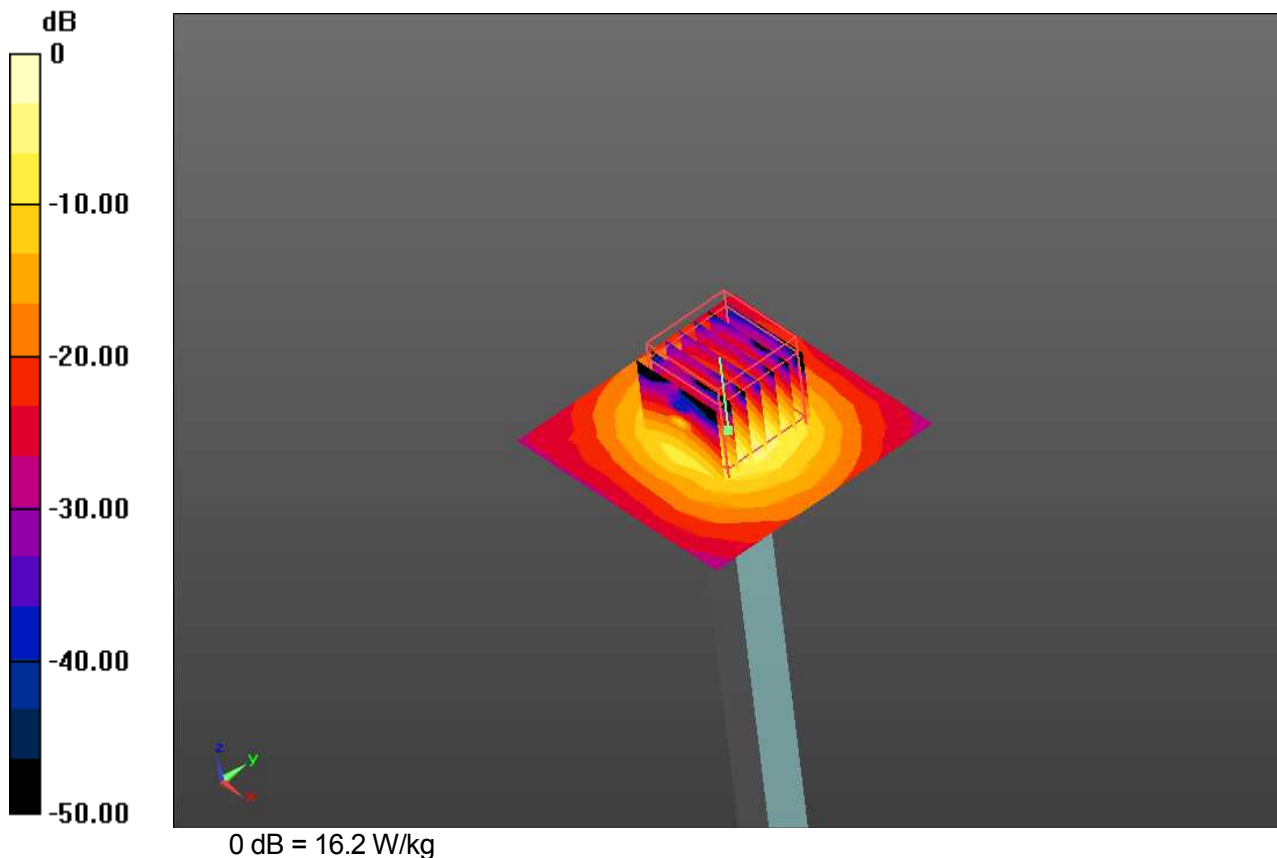
Zoom Scan (7x7x11)/Cube 0: Measurement grid: $dx=4$ mm, $dy=4$ mm, $dz=2$ mm

Reference Value = 58.56 V/m; Power Drift = 0.11 dB

Peak SAR (extrapolated) = 33.5 W/kg

SAR(1 g) = 7.83 W/kg; SAR(10 g) = 2.20 W/kg

Maximum value of SAR (measured) = 16.2 W/kg



DUT: Dipole 5000 MHz; Type: D5GHzV2; Serial: 1166

Communication System: CW; Frequency: 5200 MHz

Medium parameters used: $f = 5200$ MHz; $\sigma = 5.338$ S/m; $\epsilon_r = 49.128$; $\rho = 1000$ kg/m³

Phantom section: Flat section

DASY Configuration

Probe: EX3DV4 - SN3957; ConvF(4.49, 4.49, 4.49); Calibrated: 12/16/2014;

Sensor-Surface: 2mm (Mechanical Surface Detection), $z = 1.0, 21.0$

Electronics: DAE4 Sn1409; Calibrated: 12/11/2014

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

MEASUREMENT SW: DASY52, VERSION 52.8 (8);

Test date: 2015-1-22; Ambient Temp: 22.5; Tissue Temp: 22.0

5200 MHz System Verification -Body-

Area Scan (7x7x1): Measurement grid: $dx=10$ mm, $dy=10$ mm

Maximum value of SAR (measured) = 15.7 W/kg

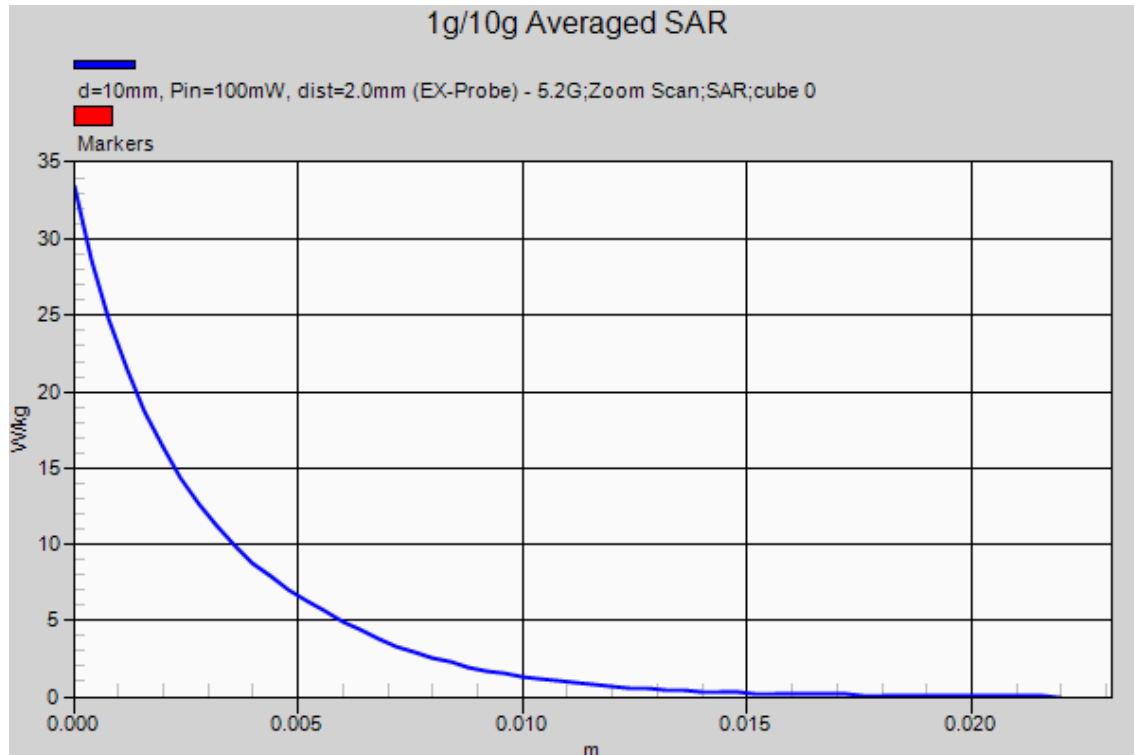
Zoom Scan (7x7x11)/Cube 0: Measurement grid: $dx=4$ mm, $dy=4$ mm, $dz=2$ mm

Reference Value = 58.56 V/m; Power Drift = 0.11 dB

Peak SAR (extrapolated) = 33.5 W/kg

SAR(1 g) = 7.83 W/kg; SAR(10 g) = 2.20 W/kg

Maximum value of SAR (measured) = 16.2 W/kg



DUT: Dipole 5000 MHz; Type: D5GHzV2; Serial: 1166

Communication System: CW; Frequency: 5500 MHz

Medium parameters used: $f = 5500$ MHz; $\sigma = 5.707$ S/m; $\epsilon_r = 48.645$; $\rho = 1000$ kg/m³

Phantom section: Flat section

DASY Configuration

Probe: EX3DV4 - SN3957; ConvF(4.01, 4.01, 4.01); Calibrated: 12/16/2014;

Sensor-Surface: 2mm (Mechanical Surface Detection), $z = 1.0, 21.0$

Electronics: DAE4 Sn1409; Calibrated: 12/11/2014

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

MEASUREMENT SW: DASY52, VERSION 52.8 (8);

Test date: 2015-1-22; Ambient Temp: 22.5; Tissue Temp: 22.0

5500 MHz System Verification -Body-

Area Scan (7x7x1): Measurement grid: $dx=10$ mm, $dy=10$ mm

Maximum value of SAR (measured) = 16.0 W/kg

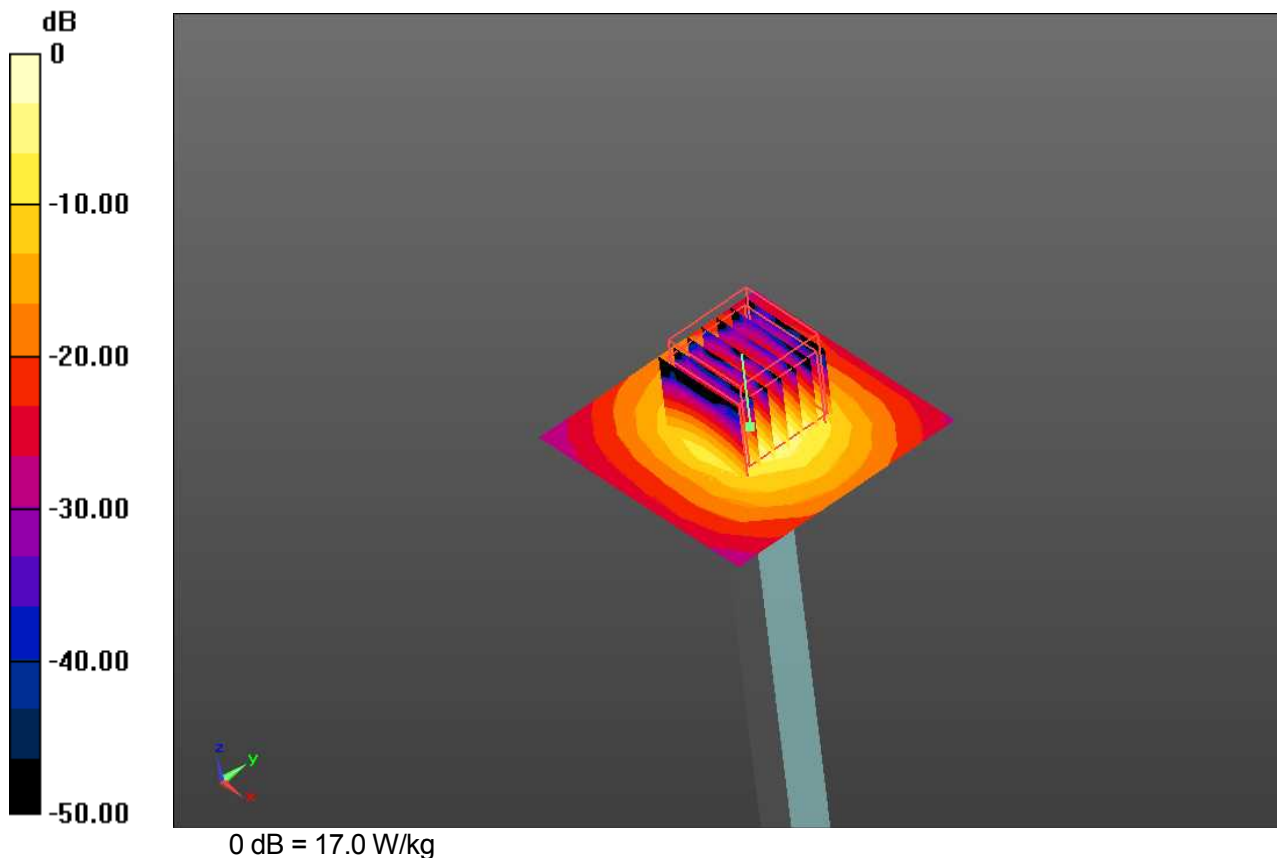
Zoom Scan (7x7x11)/Cube 0: Measurement grid: $dx=4$ mm, $dy=4$ mm, $dz=2$ mm

Reference Value = 57.89 V/m; Power Drift = 0.12 dB

Peak SAR (extrapolated) = 36.2 W/kg

SAR(1 g) = 8.03 W/kg; SAR(10 g) = 2.25 W/kg

Maximum value of SAR (measured) = 17.0 W/kg



DUT: Dipole 5000 MHz; Type: D5GHzV2; Serial: 1166

Communication System: CW; Frequency: 5500 MHz

Medium parameters used: $f = 5500$ MHz; $\sigma = 5.707$ S/m; $\epsilon_r = 48.645$; $\rho = 1000$ kg/m³

Phantom section: Flat section

DASY Configuration

Probe: EX3DV4 - SN3957; ConvF(4.01, 4.01, 4.01); Calibrated: 12/16/2014;

Sensor-Surface: 2mm (Mechanical Surface Detection), $z = 1.0, 21.0$

Electronics: DAE4 Sn1409; Calibrated: 12/11/2014

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

MEASUREMENT SW: DASY52, VERSION 52.8 (8);

Test date: 2015-1-22; Ambient Temp: 22.5; Tissue Temp: 22.0

5500 MHz System Verification -Body-

Area Scan (7x7x1): Measurement grid: $dx=10$ mm, $dy=10$ mm

Maximum value of SAR (measured) = 16.0 W/kg

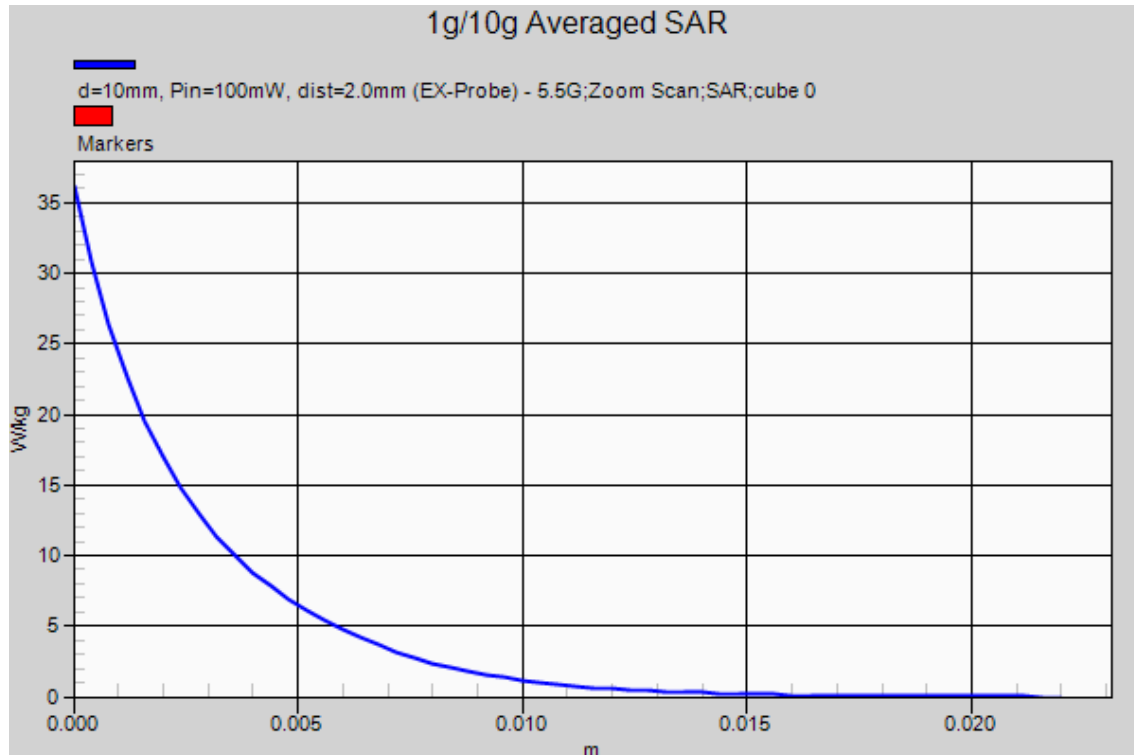
Zoom Scan (7x7x11)/Cube 0: Measurement grid: $dx=4$ mm, $dy=4$ mm, $dz=2$ mm

Reference Value = 57.89 V/m; Power Drift = 0.12 dB

Peak SAR (extrapolated) = 36.2 W/kg

SAR(1 g) = 8.03 W/kg; SAR(10 g) = 2.25 W/kg

Maximum value of SAR (measured) = 17.0 W/kg



DUT: Dipole 5000 MHz; Type: D5GHzV2; Serial: 1166

Communication System: CW; Frequency: 5800 MHz

Medium parameters used: $f = 5800$ MHz; $\sigma = 6.17$ S/m; $\epsilon_r = 48.193$; $\rho = 1000$ kg/m³

Phantom section: Flat section

DASY Configuration

Probe: EX3DV4 - SN3957; ConvF(4.03, 4.03, 4.03); Calibrated: 12/16/2014;

Sensor-Surface: 2mm (Mechanical Surface Detection), $z = 1.0, 21.0$

Electronics: DAE4 Sn1409; Calibrated: 12/11/2014

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

MEASUREMENT SW: DASY52, VERSION 52.8 (8);

Test date: 2015-1-22; Ambient Temp: 22.5; Tissue Temp: 22.0

5800 MHz System Verification -Body-

Area Scan (7x7x1): Measurement grid: $dx=10$ mm, $dy=10$ mm

Maximum value of SAR (measured) = 14.7 W/kg

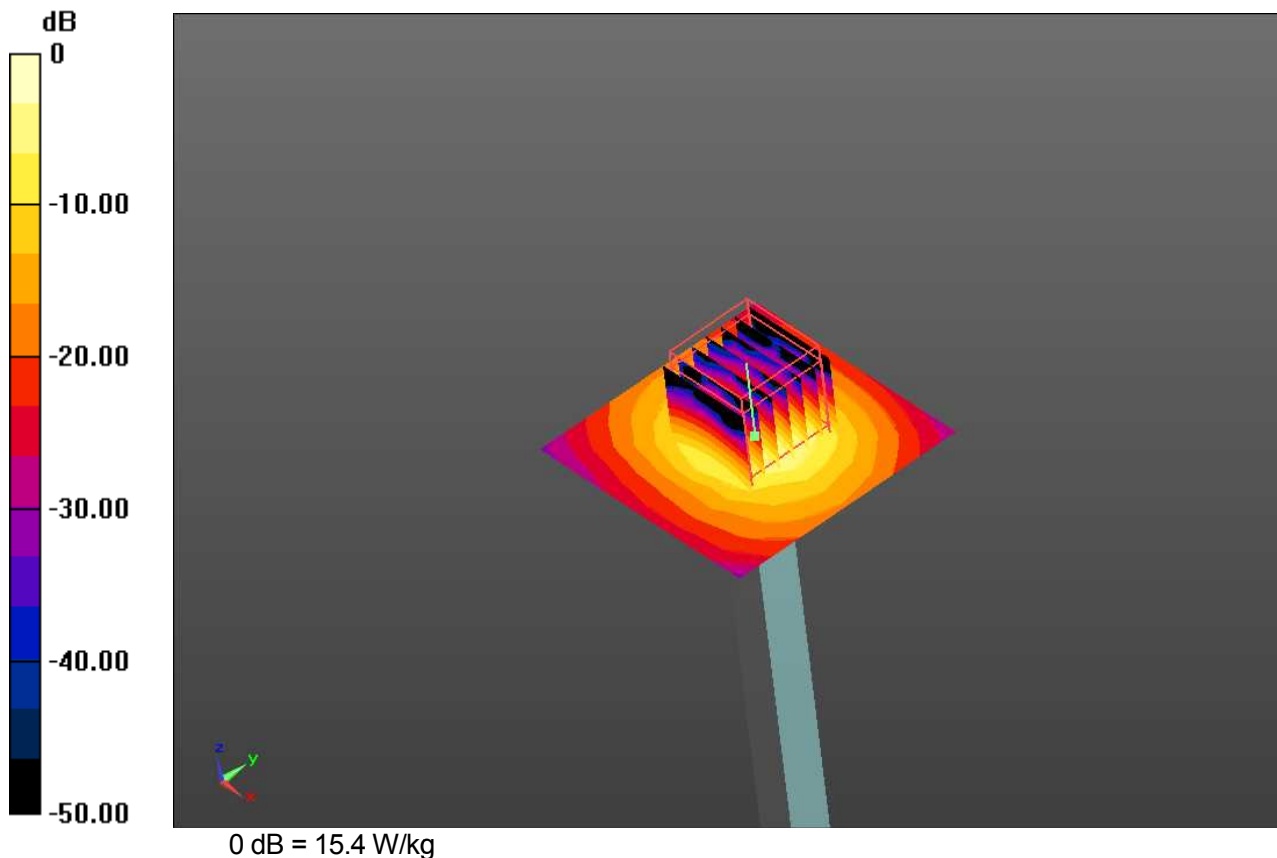
Zoom Scan (7x7x11)/Cube 0: Measurement grid: $dx=4$ mm, $dy=4$ mm, $dz=2$ mm

Reference Value = 53.77 V/m; Power Drift = 0.20 dB

Peak SAR (extrapolated) = 34.6 W/kg

SAR(1 g) = 7.43 W/kg; SAR(10 g) = 2.10 W/kg

Maximum value of SAR (measured) = 15.4 W/kg



DUT: Dipole 5000 MHz; Type: D5GHzV2; Serial: 1166

Communication System: CW; Frequency: 5800 MHz

Medium parameters used: $f = 5800$ MHz; $\sigma = 6.17$ S/m; $\epsilon_r = 48.193$; $\rho = 1000$ kg/m³

Phantom section: Flat section

DASY Configuration

Probe: EX3DV4 - SN3957; ConvF(4.03, 4.03, 4.03); Calibrated: 12/16/2014;

Sensor-Surface: 2mm (Mechanical Surface Detection), $z = 1.0, 21.0$

Electronics: DAE4 Sn1409; Calibrated: 12/11/2014

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

MEASUREMENT SW: DASY52, VERSION 52.8 (8);

Test date: 2015-1-22; Ambient Temp: 22.5; Tissue Temp: 22.0

5800 MHz System Verification -Body-

Area Scan (7x7x1): Measurement grid: $dx=10$ mm, $dy=10$ mm

Maximum value of SAR (measured) = 14.7 W/kg

Zoom Scan (7x7x11)/Cube 0: Measurement grid: $dx=4$ mm, $dy=4$ mm, $dz=2$ mm

Reference Value = 53.77 V/m; Power Drift = 0.20 dB

Peak SAR (extrapolated) = 34.6 W/kg

SAR(1 g) = 7.43 W/kg; SAR(10 g) = 2.10 W/kg

Maximum value of SAR (measured) = 15.4 W/kg

