Zacta

Dipole Verification Plots

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

Communication System: CW; Frequency: 835MHz
Medium parameters used: f= 835 MHz; σ = 0.925 S/m; ε_r = 41.603; ρ = 1000 kg/m^3
Phantom section: Flat section

DASY Configuration

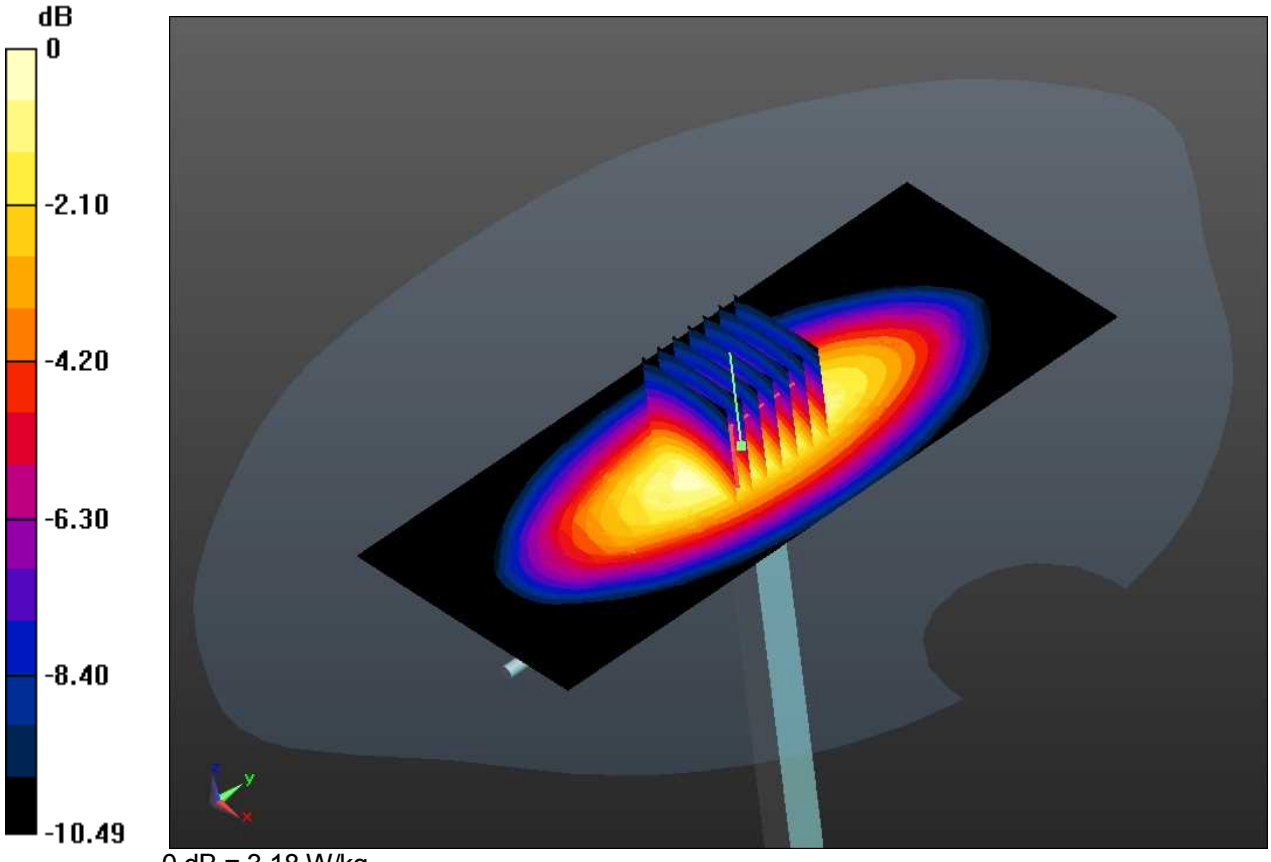
Probe: EX3DV4 - SN3957; ConvF(10.02, 10.02, 10.02); Calibrated: 12/3/2013;
Sensor-Surface: 2mm (Mechanical Surface Detection), z = 1.0, 31.0
Electronics: DAE4 Sn1409; Calibrated: 11/22/2013
Phantom: SAM v5.0 TP:1799; Type: QD000P40CD; Serial: TP:1799
Measurement SW: DASY52, Version 52.8 (8)

Test date: 2014-9-17; Ambient Temp: 22.0; Tissue Temp: 23.0

835 MHz System Verification

Area Scan (6x13x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 3.02 W/kg

Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 60.24 V/m; Power Drift = 0.01 dB
Peak SAR (extrapolated) = 3.77 W/kg
SAR(1 g) = 2.51 W/kg; SAR(10 g) = 1.65 W/kg
Maximum value of SAR (measured) = 3.18 W/kg



0 dB = 3.18 W/kg

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

Communication System: CW; Frequency: 835MHz
Medium parameters used: f= 835 MHz; σ = 0.925 S/m; ε_r = 41.603; ρ = 1000 kg/m^3
Phantom section: Flat section

DASY Configuration

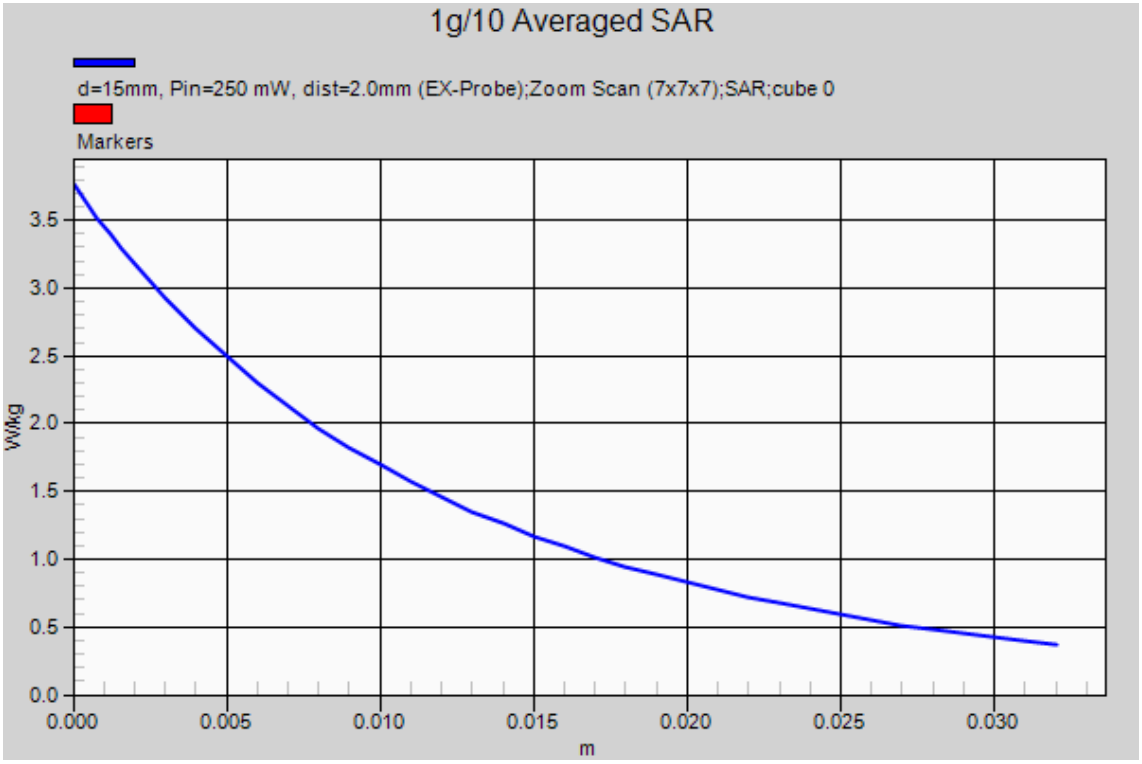
Probe: EX3DV4 - SN3957; ConvF(10.02, 10.02, 10.02); Calibrated: 12/3/2013;
Sensor-Surface: 2mm (Mechanical Surface Detection), z = 1.0, 31.0
Electronics: DAE4 Sn1409; Calibrated: 11/22/2013
Phantom: SAM v5.0 TP:1799; Type: QD000P40CD; Serial: TP:1799
Measurement SW: DASY52, Version 52.8 (8)

Test date: 2014-9-17; Ambient Temp: 22.0; Tissue Temp: 23.0

835 MHz System Verification

Area Scan (6x13x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 3.02 W/kg

Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 60.24 V/m; Power Drift = 0.01 dB
Peak SAR (extrapolated) = 3.77 W/kg
SAR(1 g) = 2.51 W/kg; SAR(10 g) = 1.65 W/kg
Maximum value of SAR (measured) = 3.18 W/kg



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

Communication System: CW; Frequency: 835MHz
Medium parameters used: f= 835 MHz; σ = 1.008 S/m; ε_r = 54.404; ρ = 1000 kg/m^3
Phantom section: Flat section

DASY Configuration

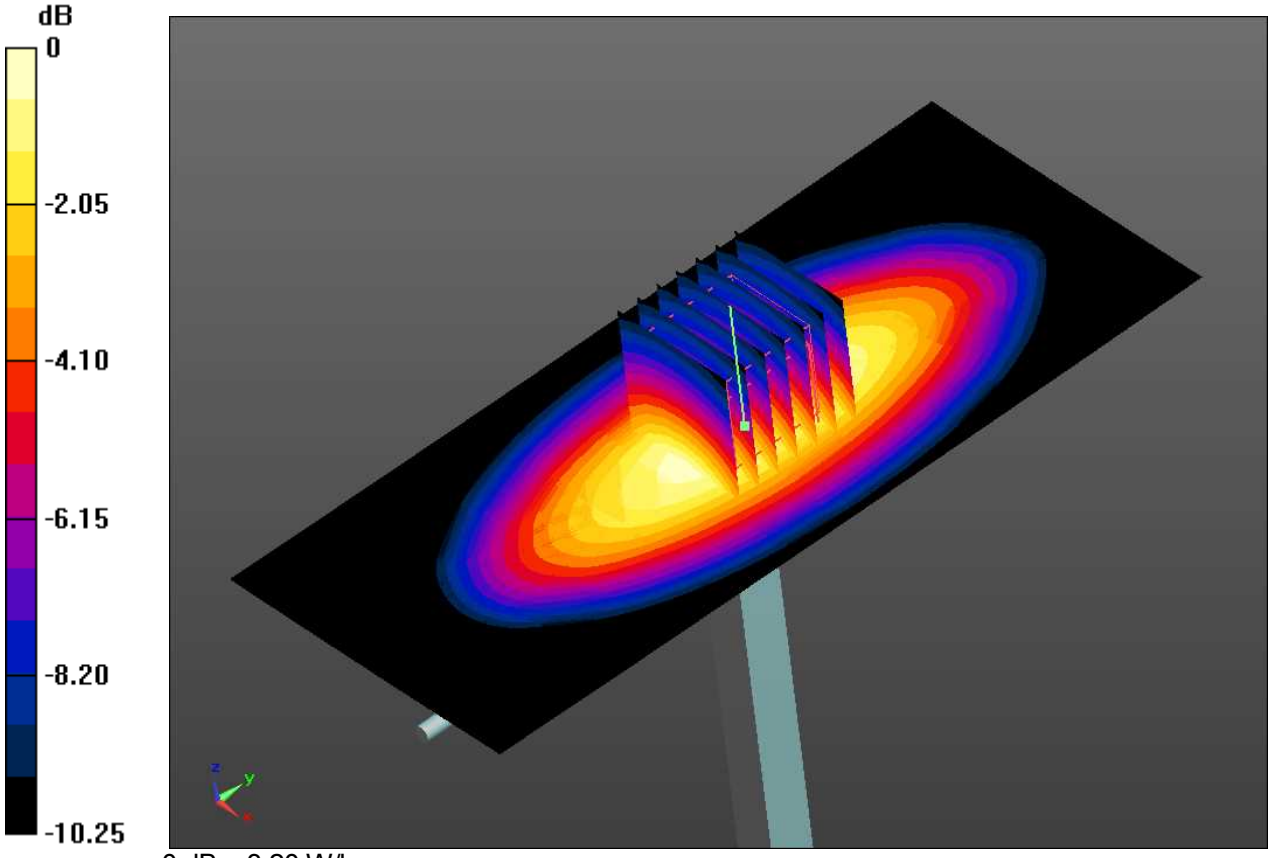
Probe: EX3DV4 - SN3957; ConvF(9.78, 9.78, 9.78); Calibrated: 12/3/2013;
Sensor-Surface: 2mm (Mechanical Surface Detection), z = 1.0, 31.0
Electronics: DAE4 Sn1409; Calibrated: 11/22/2013
Phantom: ELI v5.0 (20deg probe tilt) TP:1230; Type: QDOVA001BB; Serial: TP:1230
Measurement SW: DASY52, Version 52.8 (8)

Test date: 2014-9-18; Ambient Temp: 22.8; Tissue Temp: 22.8

835 MHz System Verification

Area Scan (6x13x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 2.97 W/kg

Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 57.34 V/m; Power Drift = -0.01 dB
Peak SAR (extrapolated) = 3.77 W/kg
SAR(1 g) = 2.54 W/kg; SAR(10 g) = 1.67 W/kg
Maximum value of SAR (measured) = 3.20 W/kg



0 dB = 3.20 W/kg

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

Communication System: CW; Frequency: 835MHz
Medium parameters used: f= 835 MHz; σ = 1.008 S/m; ε_r = 54.404; ρ = 1000 kg/m^3
Phantom section: Flat section

DASY Configuration

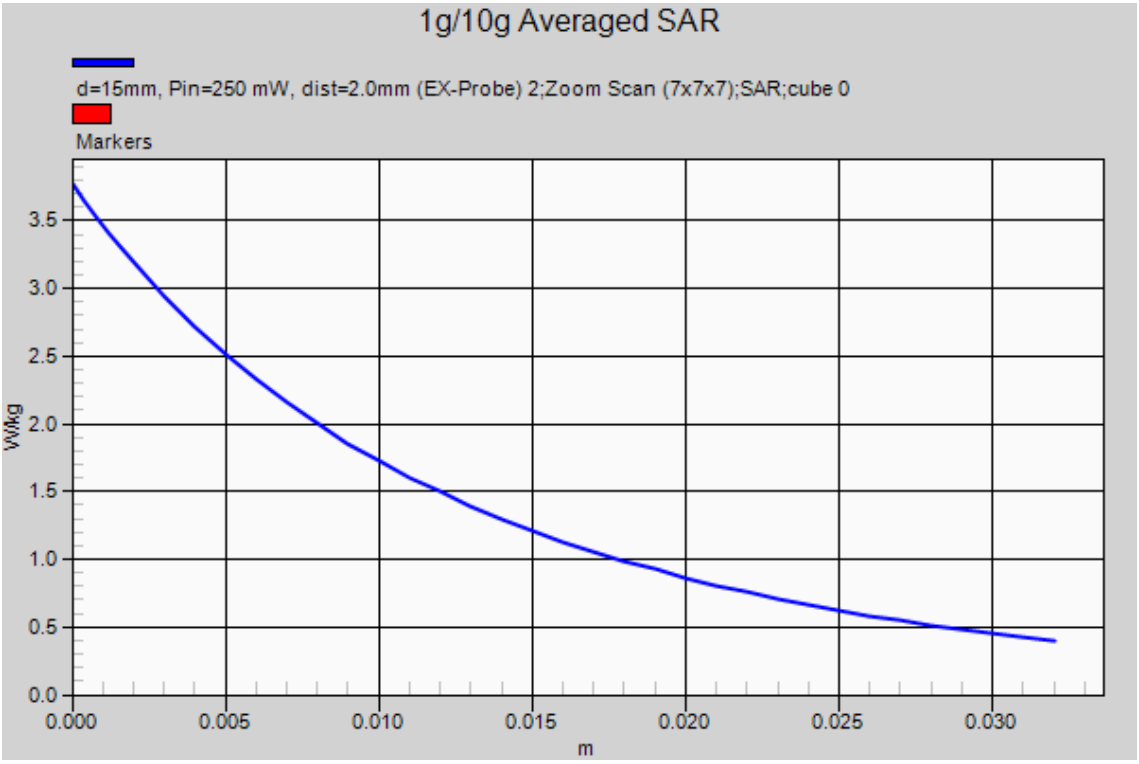
Probe: EX3DV4 - SN3957; ConvF(9.78, 9.78, 9.78); Calibrated: 12/3/2013;
Sensor-Surface: 2mm (Mechanical Surface Detection), z = 1.0, 31.0
Electronics: DAE4 Sn1409; Calibrated: 11/22/2013
Phantom: ELI v5.0 (20deg probe tilt) TP:1230; Type: QDOVA001BB; Serial: TP:1230
Measurement SW: DASY52, Version 52.8 (8)

Test date: 2014-9-18; Ambient Temp: 22.8; Tissue Temp: 22.8

835 MHz System Verification

Area Scan (6x13x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 2.97 W/kg

Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 57.34 V/m; Power Drift = -0.01 dB
Peak SAR (extrapolated) = 3.77 W/kg
SAR(1 g) = 2.54 W/kg; SAR(10 g) = 1.67 W/kg
Maximum value of SAR (measured) = 3.20 W/kg



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

Communication System: CW; Frequency: 835MHz
Medium parameters used: f= 835 MHz; σ = 0.906 S/m; ε_r = 40.715; ρ = 1000 kg/m^3
Phantom section: Flat section

DASY Configuration

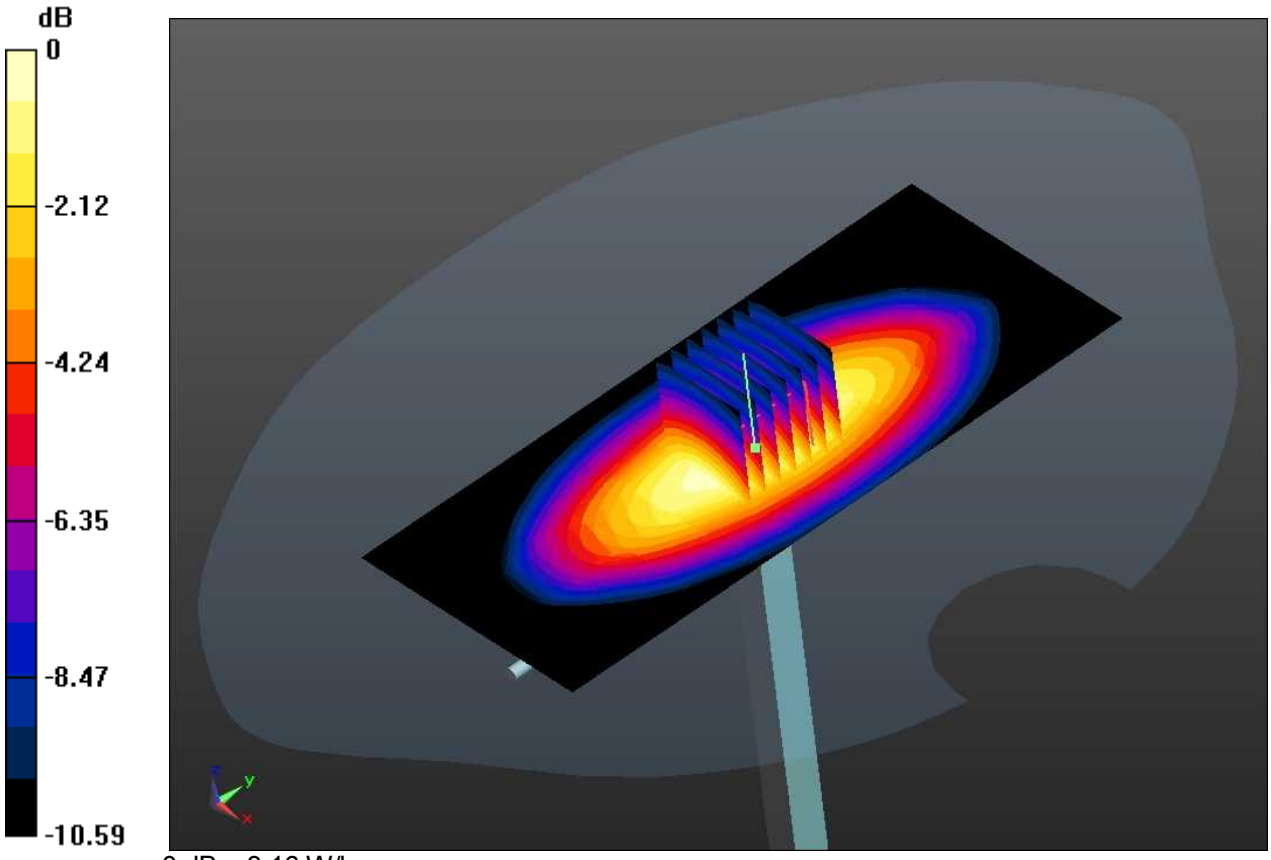
Probe: EX3DV4 - SN3957; ConvF(10.02, 10.02, 10.02); Calibrated: 12/3/2013;
Sensor-Surface: 2mm (Mechanical Surface Detection), z = 1.0, 31.0
Electronics: DAE4 Sn1409; Calibrated: 11/22/2013
Phantom: SAM v5.0 TP:1799; Type: QD000P40CD; Serial: TP:1799
Measurement SW: DASY52, Version 52.8 (8)

Test date: 2014-9-18; Ambient Temp: 22.4; Tissue Temp: 22.7

835 MHz System Verification

Area Scan (6x13x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 3.04 W/kg

Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 60.50 V/m; Power Drift = 0.01 dB
Peak SAR (extrapolated) = 3.75 W/kg
SAR(1 g) = 2.49 W/kg; SAR(10 g) = 1.64 W/kg
Maximum value of SAR (measured) = 3.16 W/kg



0 dB = 3.16 W/kg

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

Communication System: CW; Frequency: 835MHz
Medium parameters used: f= 835 MHz; σ = 0.906 S/m; ε_r = 40.715; ρ = 1000 kg/m^3
Phantom section: Flat section

DASY Configuration

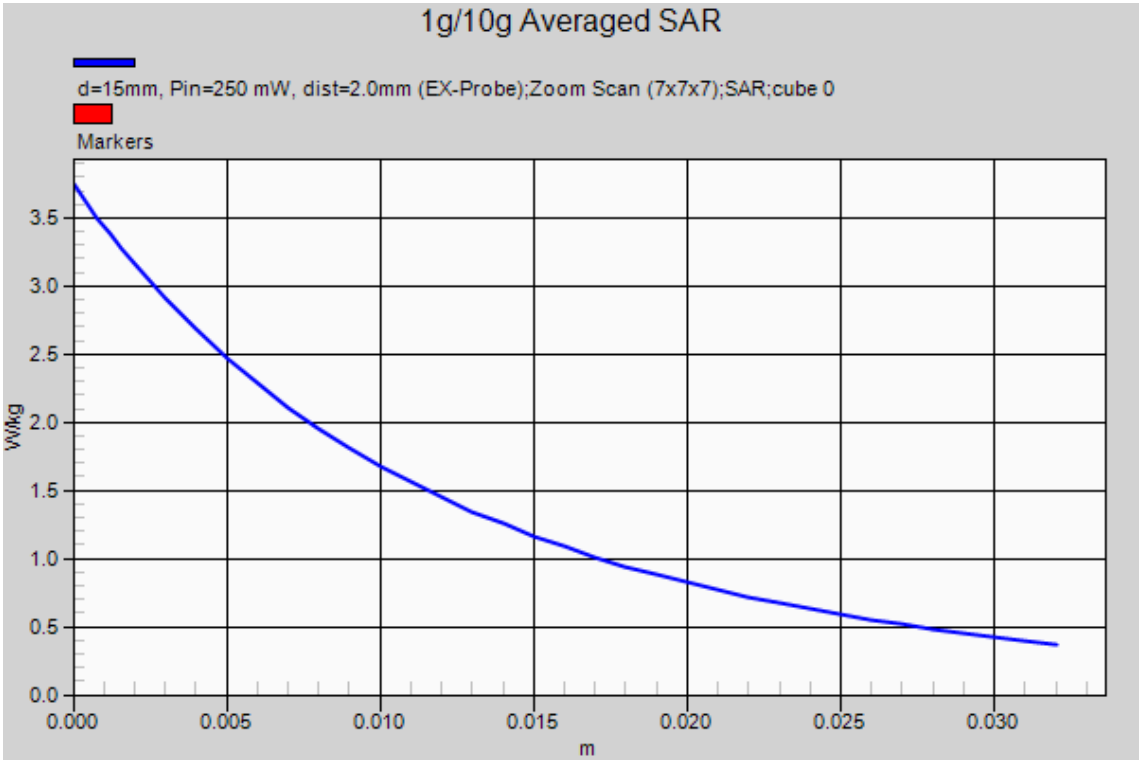
Probe: EX3DV4 - SN3957; ConvF(10.02, 10.02, 10.02); Calibrated: 12/3/2013;
Sensor-Surface: 2mm (Mechanical Surface Detection), z = 1.0, 31.0
Electronics: DAE4 Sn1409; Calibrated: 11/22/2013
Phantom: SAM v5.0 TP:1799; Type: QD000P40CD; Serial: TP:1799
Measurement SW: DASY52, Version 52.8 (8)

Test date: 2014-9-18; Ambient Temp: 22.4; Tissue Temp: 22.7

835 MHz System Verification

Area Scan (6x13x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 3.04 W/kg

Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 60.50 V/m; Power Drift = 0.01 dB
Peak SAR (extrapolated) = 3.75 W/kg
SAR(1 g) = 2.49 W/kg; SAR(10 g) = 1.64 W/kg
Maximum value of SAR (measured) = 3.16 W/kg



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

Communication System: CW; Frequency: 835MHz
Medium parameters used: f= 835 MHz; σ = 1.015 S/m; ε_r = 55.013; ρ = 1000 kg/m^3
Phantom section: Flat section

DASY Configuration

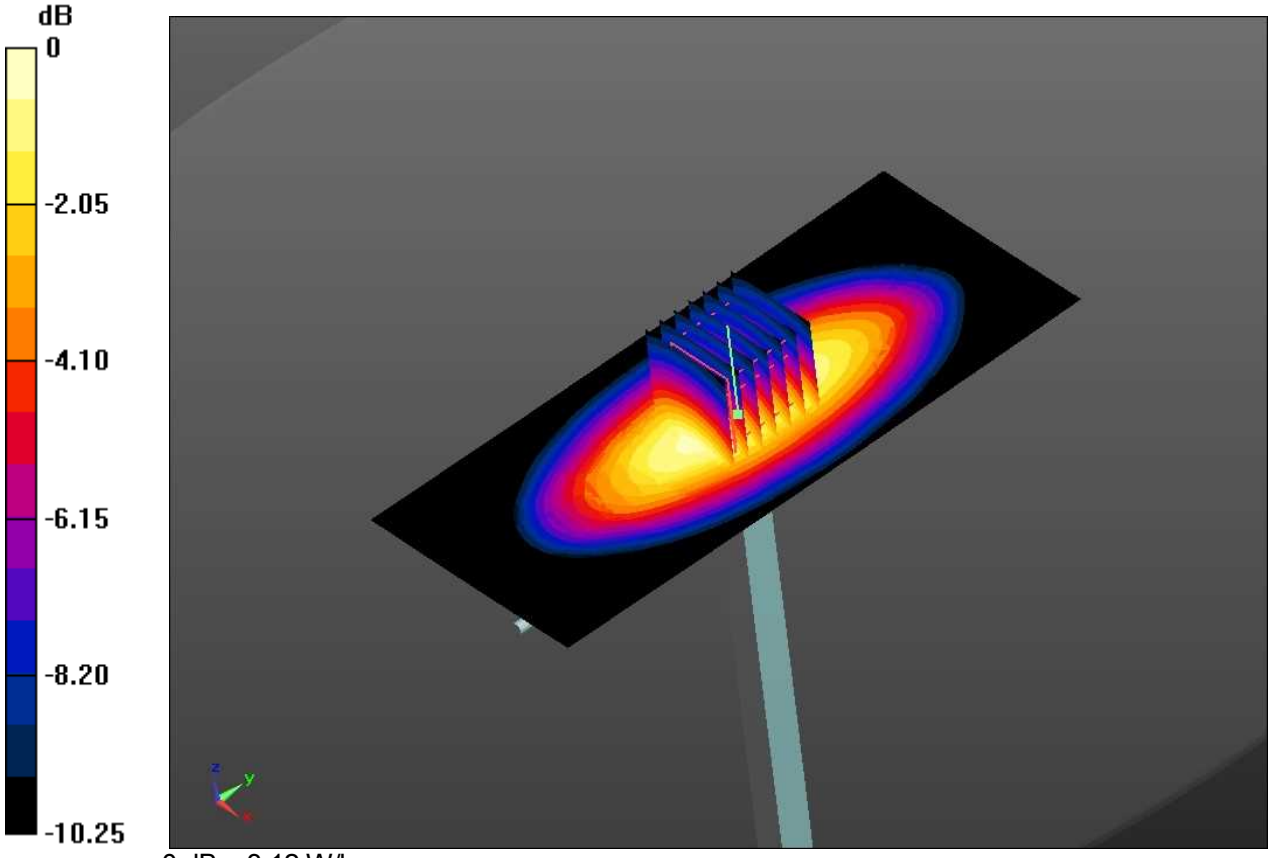
Probe: EX3DV4 - SN3957; ConvF(9.78, 9.78, 9.78); Calibrated: 12/3/2013;
Sensor-Surface: 2mm (Mechanical Surface Detection), z = 1.0, 31.0
Electronics: DAE4 Sn1409; Calibrated: 11/22/2013
Phantom: ELI v5.0 (20deg probe tilt) TP:1230; Type: QDOVA001BB; Serial: TP:1230
Measurement SW: DASY52, Version 52.8 (8)

Test date: 2014-9-19; Ambient Temp: 23.8; Tissue Temp: 22.7

835 MHz System Verification

Area Scan (6x13x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 2.89 W/kg

Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 56.11 V/m; Power Drift = 0.08 dB
Peak SAR (extrapolated) = 3.68 W/kg
SAR(1 g) = 2.46 W/kg; SAR(10 g) = 1.63 W/kg
Maximum value of SAR (measured) = 3.12 W/kg



0 dB = 3.12 W/kg

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

Communication System: CW; Frequency: 835MHz
Medium parameters used: f= 835 MHz; σ = 1.015 S/m; ε_r = 55.013; ρ = 1000 kg/m^3
Phantom section: Flat section

DASY Configuration

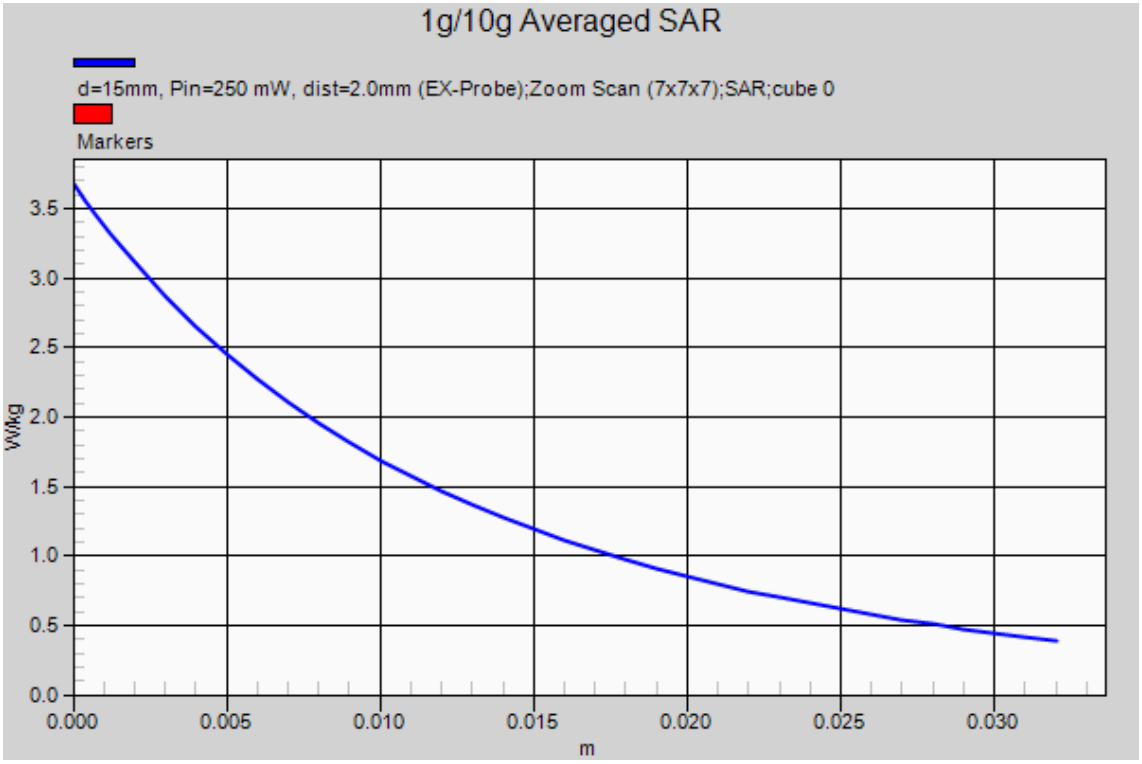
Probe: EX3DV4 - SN3957; ConvF(9.78, 9.78, 9.78); Calibrated: 12/3/2013;
Sensor-Surface: 2mm (Mechanical Surface Detection), z = 1.0, 31.0
Electronics: DAE4 Sn1409; Calibrated: 11/22/2013
Phantom: ELI v5.0 (20deg probe tilt) TP:1230; Type: QDOVA001BB; Serial: TP:1230
Measurement SW: DASY52, Version 52.8 (8)

Test date: 2014-9-19; Ambient Temp: 23.8; Tissue Temp: 22.7

835 MHz System Verification

Area Scan (6x13x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 2.89 W/kg

Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 56.11 V/m; Power Drift = 0.08 dB
Peak SAR (extrapolated) = 3.68 W/kg
SAR(1 g) = 2.46 W/kg; SAR(10 g) = 1.63 W/kg
Maximum value of SAR (measured) = 3.12 W/kg



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

Communication System: CW; Frequency: 835MHz
Medium parameters used: f= 835 MHz; σ = 1.01 S/m; ε_r = 54.098; ρ = 1000 kg/m^3
Phantom section: Flat section

DASY Configuration

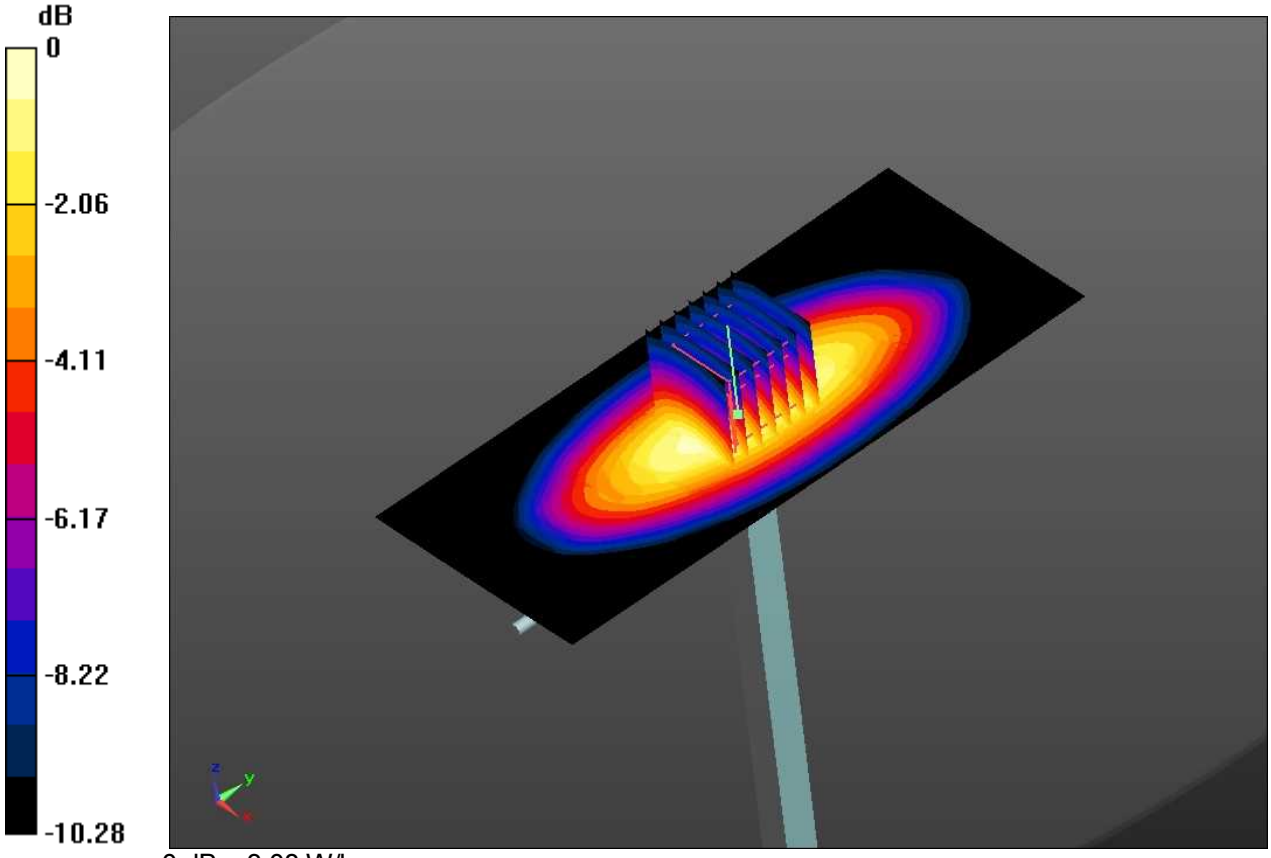
Probe: EX3DV4 - SN3957; ConvF(9.78, 9.78, 9.78); Calibrated: 12/3/2013;
Sensor-Surface: 2mm (Mechanical Surface Detection), z = 1.0, 31.0
Electronics: DAE4 Sn1409; Calibrated: 11/22/2013
Phantom: ELI v5.0 (20deg probe tilt) TP:1230; Type: QDOVA001BB; Serial: TP:1230
Measurement SW: DASY52, Version 52.8 (8)

Test date: 2014-9-22; Ambient Temp: 22.9; Tissue Temp: 23.1

835 MHz System Verification

Area Scan (6x13x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 2.92 W/kg

Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 55.78 V/m; Power Drift = 0.10 dB
Peak SAR (extrapolated) = 3.63 W/kg
SAR(1 g) = 2.43 W/kg; SAR(10 g) = 1.6 W/kg
Maximum value of SAR (measured) = 3.08 W/kg



0 dB = 3.08 W/kg

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

Communication System: CW; Frequency: 835MHz
Medium parameters used: f= 835 MHz; σ = 1.01 S/m; ε_r = 54.098; ρ = 1000 kg/m^3
Phantom section: Flat section

DASY Configuration

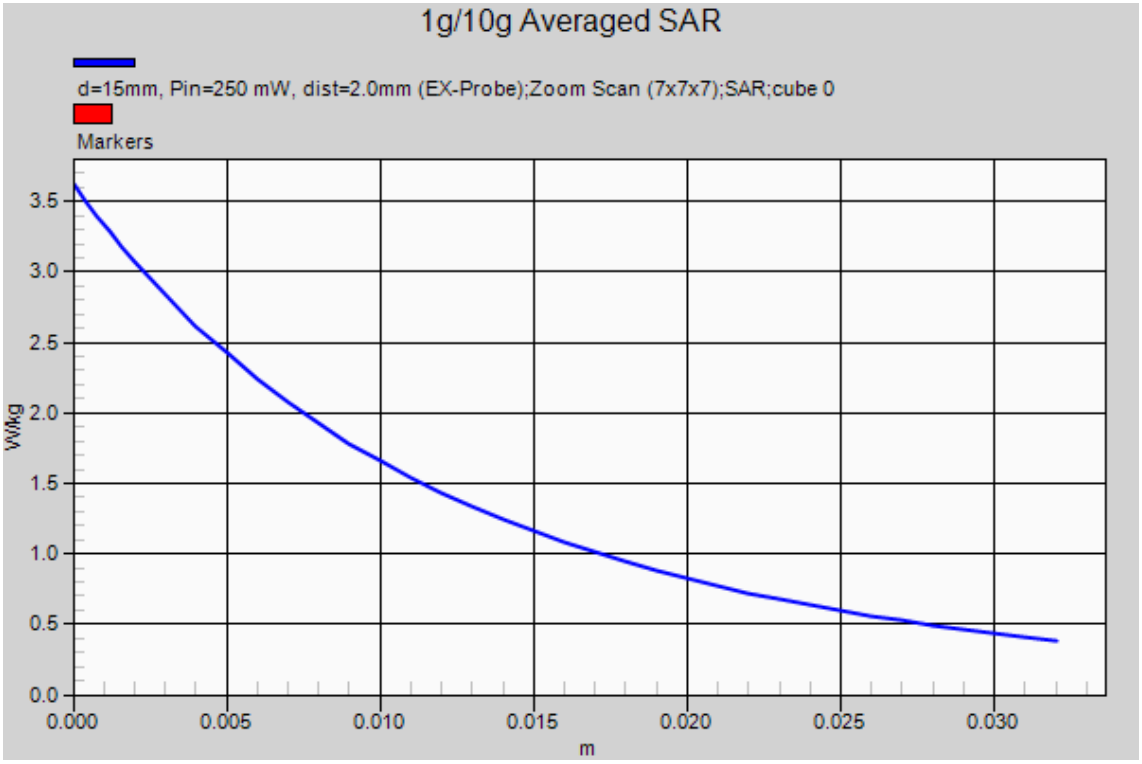
Probe: EX3DV4 - SN3957; ConvF(9.78, 9.78, 9.78); Calibrated: 12/3/2013;
Sensor-Surface: 2mm (Mechanical Surface Detection), z = 1.0, 31.0
Electronics: DAE4 Sn1409; Calibrated: 11/22/2013
Phantom: ELI v5.0 (20deg probe tilt) TP:1230; Type: QDOVA001BB; Serial: TP:1230
Measurement SW: DASY52, Version 52.8 (8)

Test date: 2014-9-22; Ambient Temp: 22.9; Tissue Temp: 23.1

835 MHz System Verification

Area Scan (6x13x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 2.92 W/kg

Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 55.78 V/m; Power Drift = 0.10 dB
Peak SAR (extrapolated) = 3.63 W/kg
SAR(1 g) = 2.43 W/kg; SAR(10 g) = 1.6 W/kg
Maximum value of SAR (measured) = 3.08 W/kg



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

Communication System: CW; Frequency: 1900MHz
Medium parameters used: f= 1900 MHz; σ = 1.522 S/m; ε_r = 52.315; ρ = 1000 kg/m^3
Phantom section: Flat section

DASY Configuration

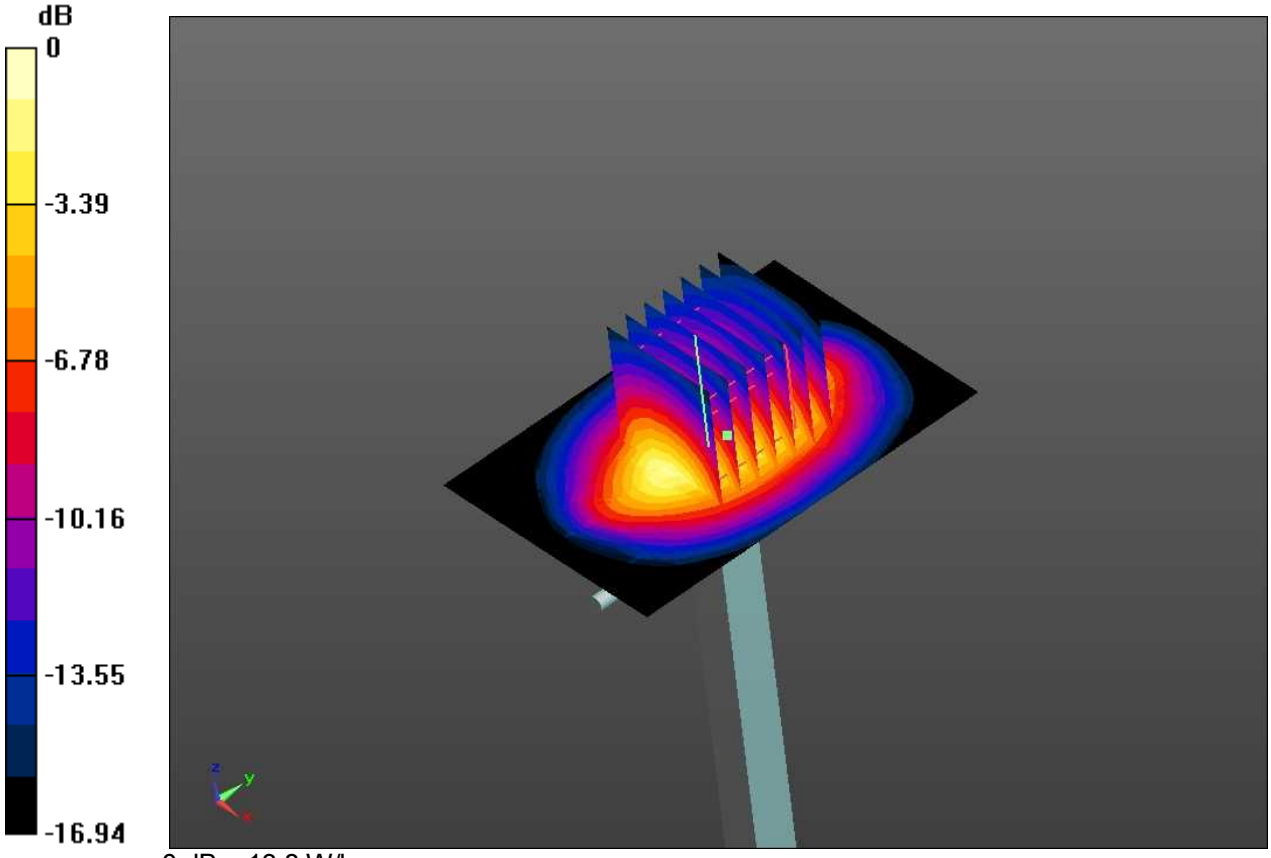
Probe: EX3DV4 - SN3957; ConvF(7.91, 7.91, 7.91); Calibrated: 12/3/2013;
Sensor-Surface: 2mm (Mechanical Surface Detection), z = 1.0, 31.0
Electronics: DAE4 Sn1409; Calibrated: 11/22/2013
Phantom: ELI v5.0 (20deg probe tilt) TP:1230; Type: QDOVA001BB; Serial: TP:1230
Measurement SW: DASY52, Version 52.8 (8)

Test date: 2014-9-23; Ambient Temp: 23.3; Tissue Temp: 23.1

1900 MHz System Verification

Area Scan (5x7x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 13.6 W/kg

Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 95.87 V/m; Power Drift = 0.01 dB
Peak SAR (extrapolated) = 17.5 W/kg
SAR(1 g) = 9.78 W/kg; SAR(10 g) = 5.17 W/kg
Maximum value of SAR (measured) = 13.8 W/kg



0 dB = 13.8 W/kg

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

Communication System: CW; Frequency: 1900MHz
Medium parameters used: f= 1900 MHz; σ = 1.522 S/m; ε_r = 52.315; ρ = 1000 kg/m^3
Phantom section: Flat section

DASY Configuration

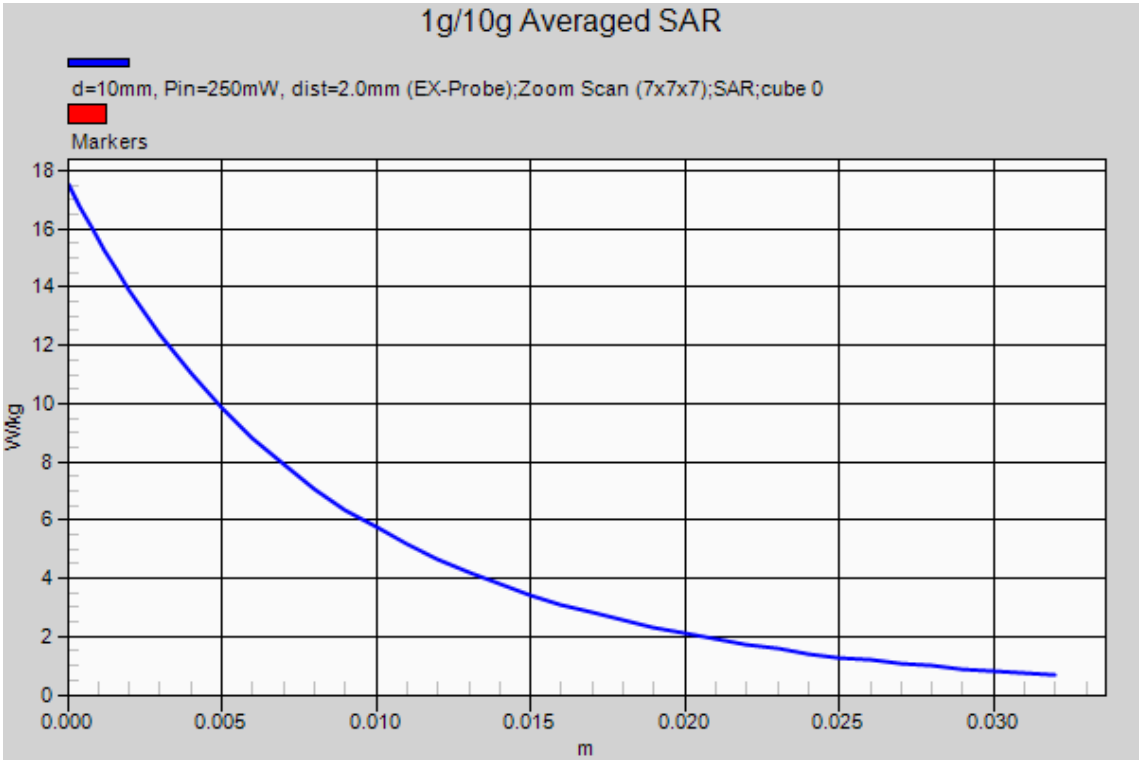
Probe: EX3DV4 - SN3957; ConvF(7.91, 7.91, 7.91); Calibrated: 12/3/2013;
Sensor-Surface: 2mm (Mechanical Surface Detection), z = 1.0, 31.0
Electronics: DAE4 Sn1409; Calibrated: 11/22/2013
Phantom: ELI v5.0 (20deg probe tilt) TP:1230; Type: QDOVA001BB; Serial: TP:1230
Measurement SW: DASY52, Version 52.8 (8)

Test date: 2014-9-23; Ambient Temp: 23.3; Tissue Temp: 23.1

1900 MHz System Verification

Area Scan (5x7x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 13.6 W/kg

Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 95.87 V/m; Power Drift = 0.01 dB
Peak SAR (extrapolated) = 17.5 W/kg
SAR(1 g) = 9.78 W/kg; SAR(10 g) = 5.17 W/kg
Maximum value of SAR (measured) = 13.8 W/kg



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

Communication System: CW; Frequency: 1900MHz
Medium parameters used: f= 1900 MHz; σ = 1.407 S/m; ε_r = 39.519; ρ = 1000 kg/m^3
Phantom section: Flat section

DASY Configuration

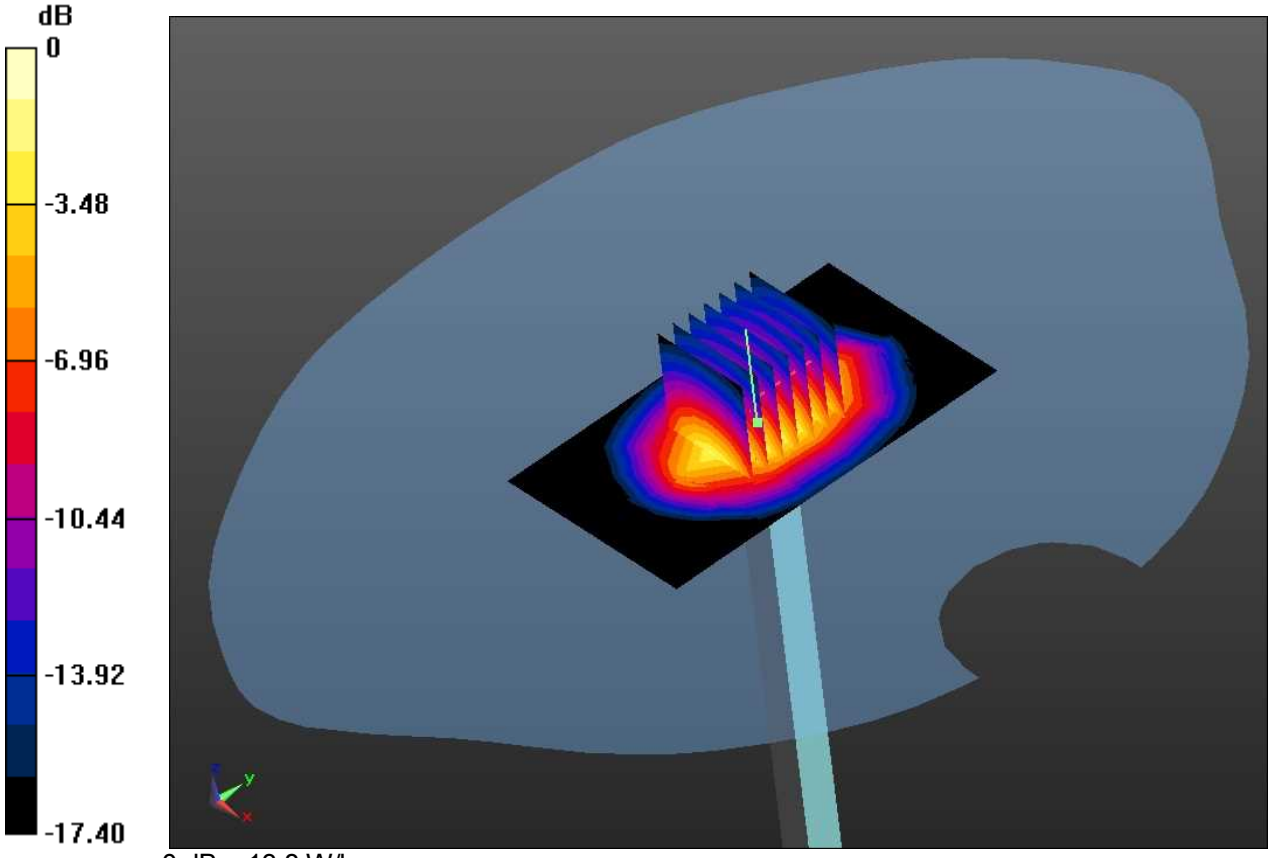
Probe: EX3DV4 - SN3957; ConvF(8.35, 8.35, 8.35); Calibrated: 12/3/2013;
Sensor-Surface: 2mm (Mechanical Surface Detection), z = 1.0, 31.0
Electronics: DAE4 Sn1409; Calibrated: 11/22/2013
Phantom: SAM v5.0 TP:1799; Type: QD000P40CD; Serial: TP:1799
Measurement SW: DASY52, Version 52.8 (8)

Test date: 2014-9-24; Ambient Temp: 23.3; Tissue Temp: 23.0

1900 MHz System Verification

Area Scan (5x8x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 13.3 W/kg

Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 100.5 V/m; Power Drift = -0.06 dB
Peak SAR (extrapolated) = 17.8 W/kg
SAR(1 g) = 9.58 W/kg; SAR(10 g) = 5 W/kg
Maximum value of SAR (measured) = 13.8 W/kg



0 dB = 13.8 W/kg

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

Communication System: CW; Frequency: 1900MHz
Medium parameters used: f= 1900 MHz; σ = 1.407 S/m; ε_r = 39.519; ρ = 1000 kg/m^3
Phantom section: Flat section

DASY Configuration

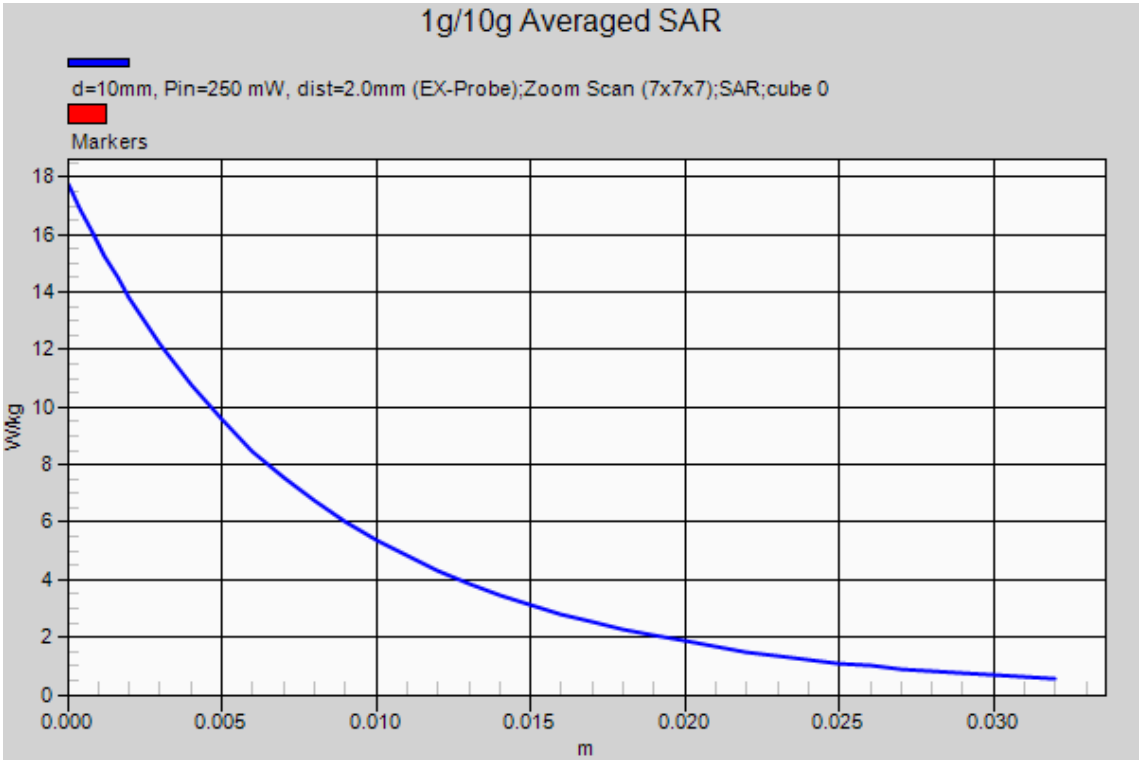
Probe: EX3DV4 - SN3957; ConvF(8.35, 8.35, 8.35); Calibrated: 12/3/2013;
Sensor-Surface: 2mm (Mechanical Surface Detection), z = 1.0, 31.0
Electronics: DAE4 Sn1409; Calibrated: 11/22/2013
Phantom: SAM v5.0 TP:1799; Type: QD000P40CD; Serial: TP:1799
Measurement SW: DASY52, Version 52.8 (8)

Test date: 2014-9-24; Ambient Temp: 23.3; Tissue Temp: 23.0

1900 MHz System Verification

Area Scan (5x8x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 13.3 W/kg

Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 100.5 V/m; Power Drift = -0.06 dB
Peak SAR (extrapolated) = 17.8 W/kg
SAR(1 g) = 9.58 W/kg; SAR(10 g) = 5 W/kg
Maximum value of SAR (measured) = 13.8 W/kg



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

Communication System: CW; Frequency: 1900MHz
Medium parameters used: f= 1900 MHz; σ = 1.397 S/m; ε_r = 38.977; ρ = 1000 kg/m^3
Phantom section: Flat section

DASY Configuration

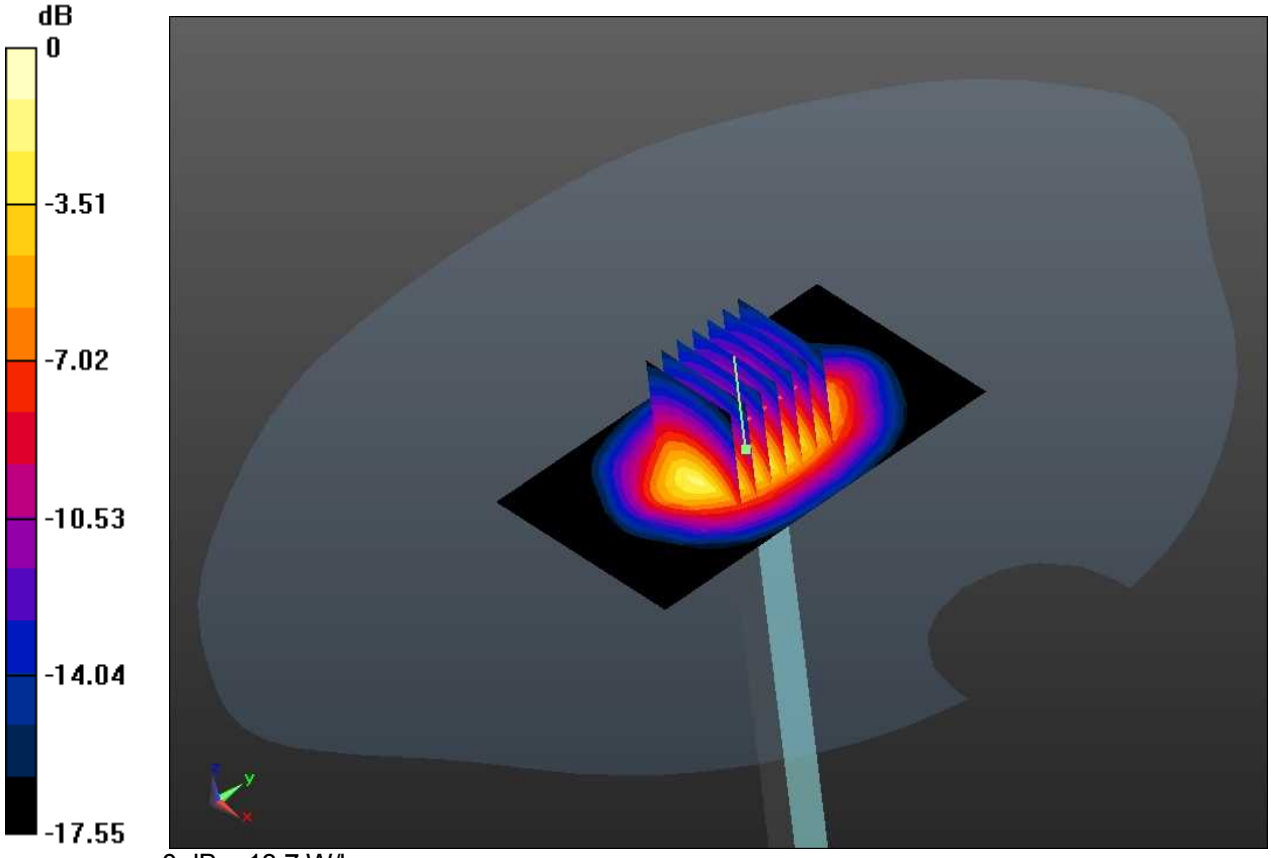
Probe: EX3DV4 - SN3957; ConvF(8.35, 8.35, 8.35); Calibrated: 12/3/2013;
Sensor-Surface: 2mm (Mechanical Surface Detection), z = 1.0, 31.0
Electronics: DAE4 Sn1409; Calibrated: 11/22/2013
Phantom: SAM v5.0 TP:1799; Type: QD000P40CD; Serial: TP:1799
Measurement SW: DASY52, Version 52.8 (8)

Test date: 2014-9-25; Ambient Temp: 23.2; Tissue Temp: 22.7

1900 MHz System Verification

Area Scan (5x8x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 13.0 W/kg

Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 99.92 V/m; Power Drift = 0.08 dB
Peak SAR (extrapolated) = 17.7 W/kg
SAR(1 g) = 9.63 W/kg; SAR(10 g) = 5.07 W/kg
Maximum value of SAR (measured) = 13.7 W/kg



0 dB = 13.7 W/kg

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

Communication System: CW; Frequency: 1900MHz
Medium parameters used: f= 1900 MHz; σ = 1.397 S/m; ε_r = 38.977; ρ = 1000 kg/m^3
Phantom section: Flat section

DASY Configuration

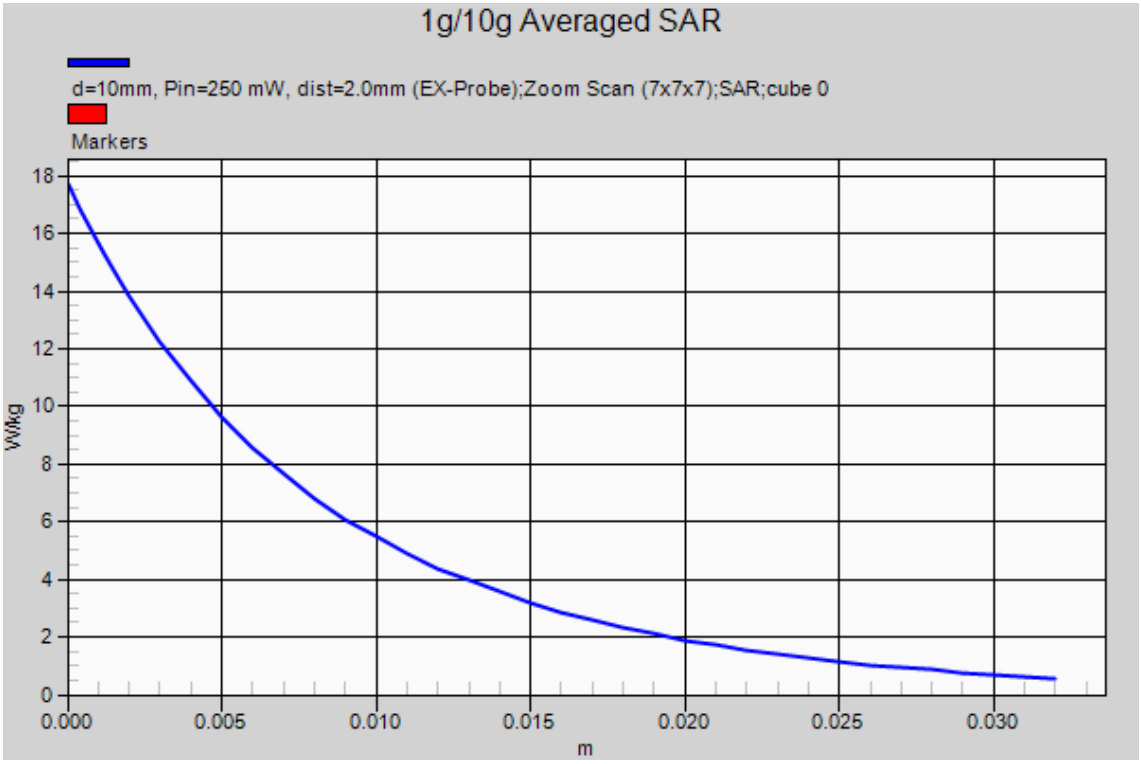
Probe: EX3DV4 - SN3957; ConvF(8.35, 8.35, 8.35); Calibrated: 12/3/2013;
Sensor-Surface: 2mm (Mechanical Surface Detection), z = 1.0, 31.0
Electronics: DAE4 Sn1409; Calibrated: 11/22/2013
Phantom: SAM v5.0 TP:1799; Type: QD000P40CD; Serial: TP:1799
Measurement SW: DASY52, Version 52.8 (8)

Test date: 2014-9-25; Ambient Temp: 23.2; Tissue Temp: 22.7

1900 MHz System Verification

Area Scan (5x8x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 13.0 W/kg

Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 99.92 V/m; Power Drift = 0.08 dB
Peak SAR (extrapolated) = 17.7 W/kg
SAR(1 g) = 9.63 W/kg; SAR(10 g) = 5.07 W/kg
Maximum value of SAR (measured) = 13.7 W/kg



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

Communication System: CW; Frequency: 1900MHz
Medium parameters used: f= 1900 MHz; σ = 1.548 S/m; ε_r = 53.188; ρ = 1000 kg/m^3
Phantom section: Flat section

DASY Configuration

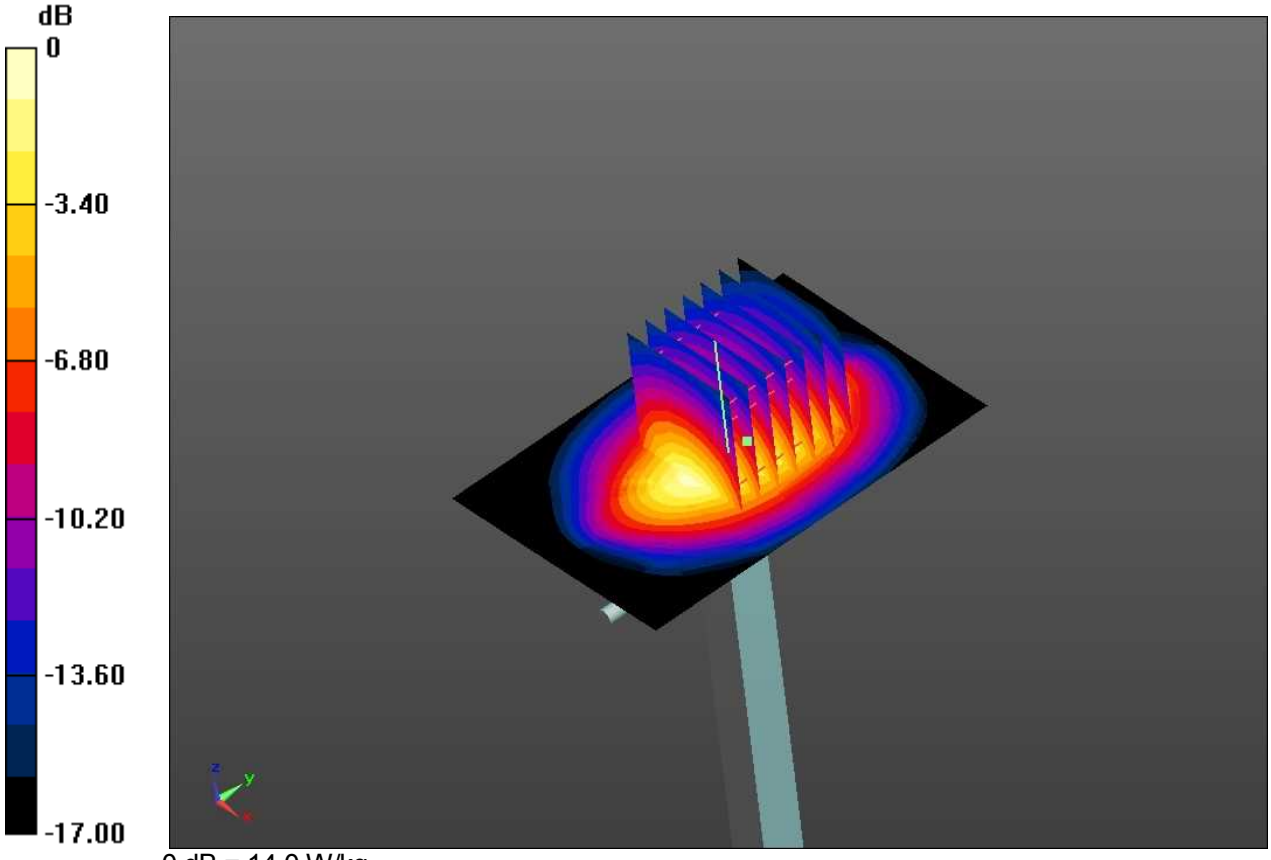
Probe: EX3DV4 - SN3957; ConvF(7.91, 7.91, 7.91); Calibrated: 12/3/2013;
Sensor-Surface: 2mm (Mechanical Surface Detection), z = 1.0, 31.0
Electronics: DAE4 Sn1409; Calibrated: 11/22/2013
Phantom: ELI v5.0 (20deg probe tilt) TP:1230; Type: QDOVA001BB; Serial: TP:1230
Measurement SW: DASY52, Version 52.8 (8)

Test date: 2014-9-26; Ambient Temp: 23.7; Tissue Temp: 21.5

1900 MHz System Verification

Area Scan (5x7x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 13.6 W/kg

Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 94.99 V/m; Power Drift = 0.03 dB
Peak SAR (extrapolated) = 17.6 W/kg
SAR(1 g) = 9.96 W/kg; SAR(10 g) = 5.32 W/kg
Maximum value of SAR (measured) = 14.0 W/kg



0 dB = 14.0 W/kg

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

Communication System: CW; Frequency: 1900MHz
Medium parameters used: f= 1900 MHz; σ = 1.548 S/m; ε_r = 53.188; ρ = 1000 kg/m^3
Phantom section: Flat section

DASY Configuration

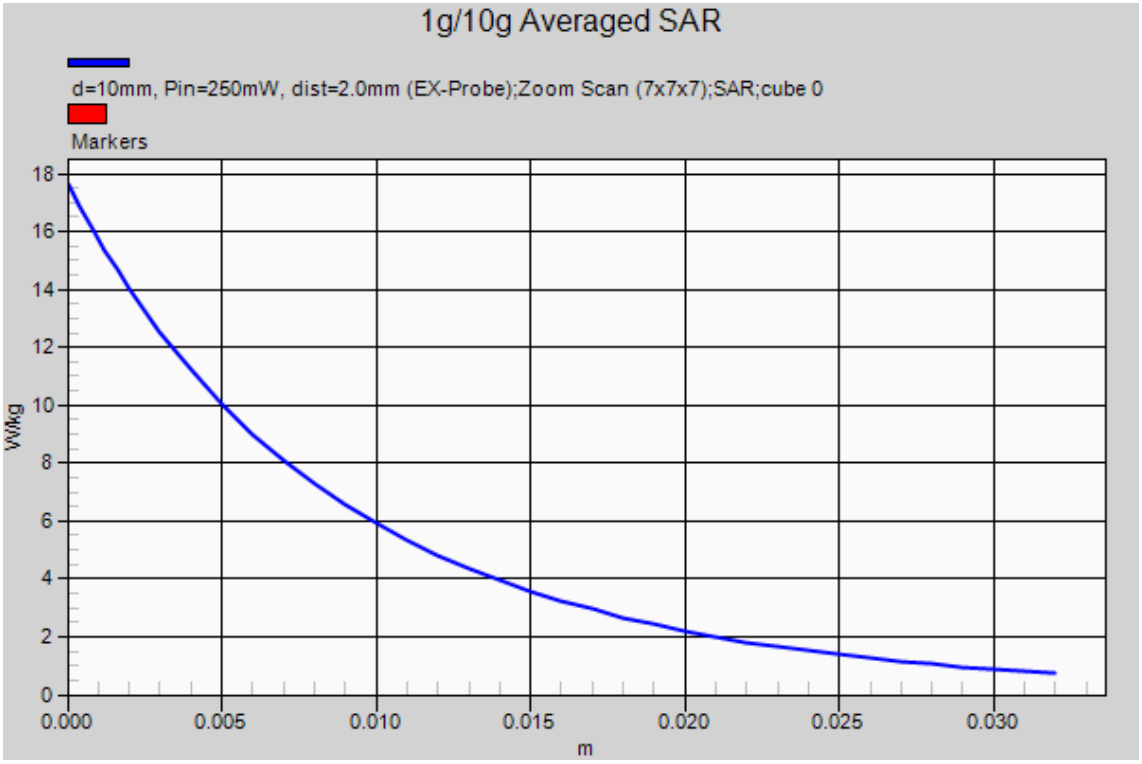
Probe: EX3DV4 - SN3957; ConvF(7.91, 7.91, 7.91); Calibrated: 12/3/2013;
Sensor-Surface: 2mm (Mechanical Surface Detection), z = 1.0, 31.0
Electronics: DAE4 Sn1409; Calibrated: 11/22/2013
Phantom: ELI v5.0 (20deg probe tilt) TP:1230; Type: QDOVA001BB; Serial: TP:1230
Measurement SW: DASY52, Version 52.8 (8)

Test date: 2014-9-26; Ambient Temp: 23.7; Tissue Temp: 21.5

1900 MHz System Verification

Area Scan (5x7x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 13.6 W/kg

Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 94.99 V/m; Power Drift = 0.03 dB
Peak SAR (extrapolated) = 17.6 W/kg
SAR(1 g) = 9.96 W/kg; SAR(10 g) = 5.32 W/kg
Maximum value of SAR (measured) = 14.0 W/kg



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

Communication System: CW; Frequency: 1900MHz
Medium parameters used: f= 1900 MHz; σ = 1.546 S/m; ε_r = 51.839; ρ = 1000 kg/m^3
Phantom section: Flat section

DASY Configuration

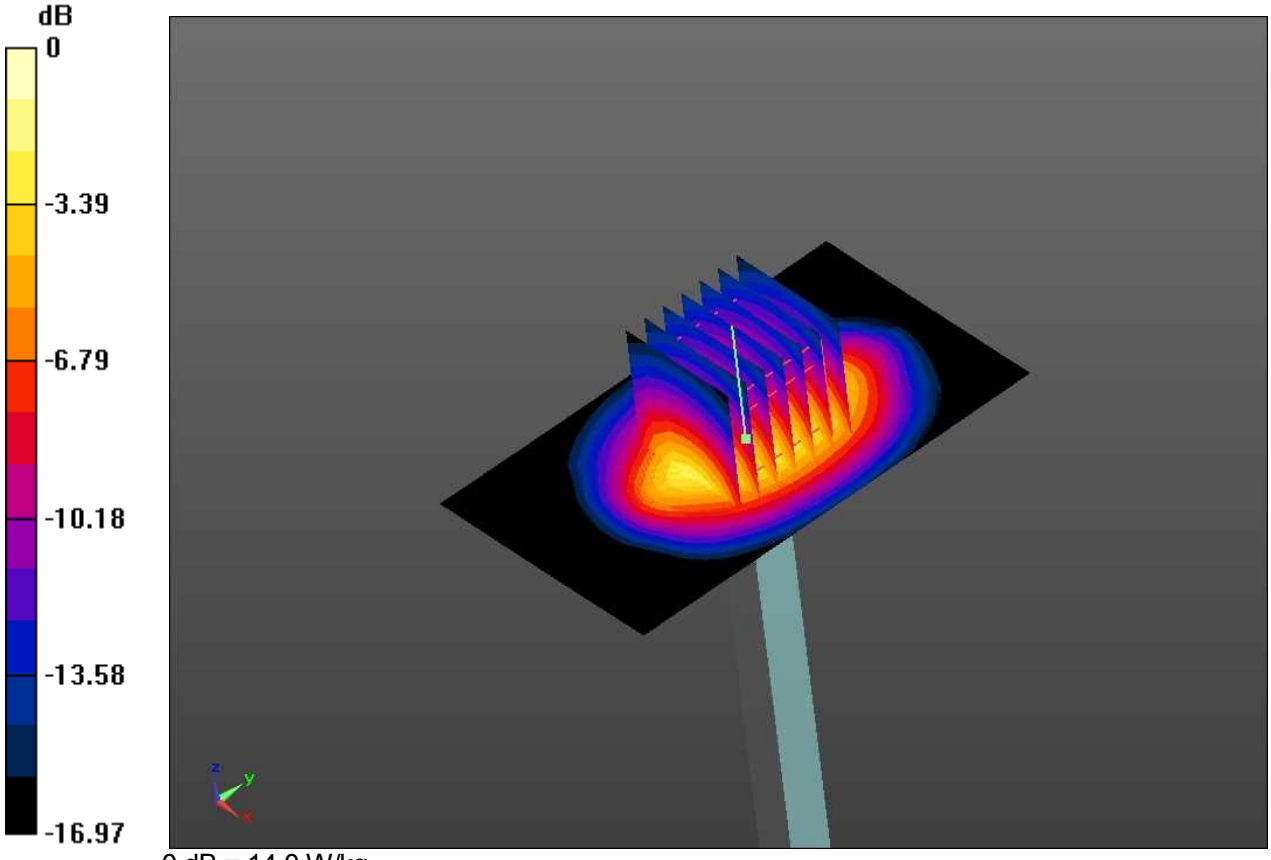
Probe: EX3DV4 - SN3957; ConvF(7.91, 7.91, 7.91); Calibrated: 12/3/2013;
Sensor-Surface: 2mm (Mechanical Surface Detection), z = 1.0, 31.0
Electronics: DAE4 Sn1409; Calibrated: 11/22/2013
Phantom: ELI v5.0 (20deg probe tilt) TP:1230; Type: QDOVA001BB; Serial: TP:1230
Measurement SW: DASY52, Version 52.8 (8)

Test date: 2014-9-27; Ambient Temp: 22.8; Tissue Temp: 22.3

1900 MHz System Verification

Area Scan (5x8x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 13.3 W/kg

Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 95.50 V/m; Power Drift = -0.09 dB
Peak SAR (extrapolated) = 17.8 W/kg
SAR(1 g) = 9.89 W/kg; SAR(10 g) = 5.22 W/kg
Maximum value of SAR (measured) = 14.0 W/kg



0 dB = 14.0 W/kg

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

Communication System: CW; Frequency: 1900MHz
Medium parameters used: f= 1900 MHz; σ = 1.397 S/m; ε_r = 38.977; ρ = 1000 kg/m^3
Phantom section: Flat section

DASY Configuration

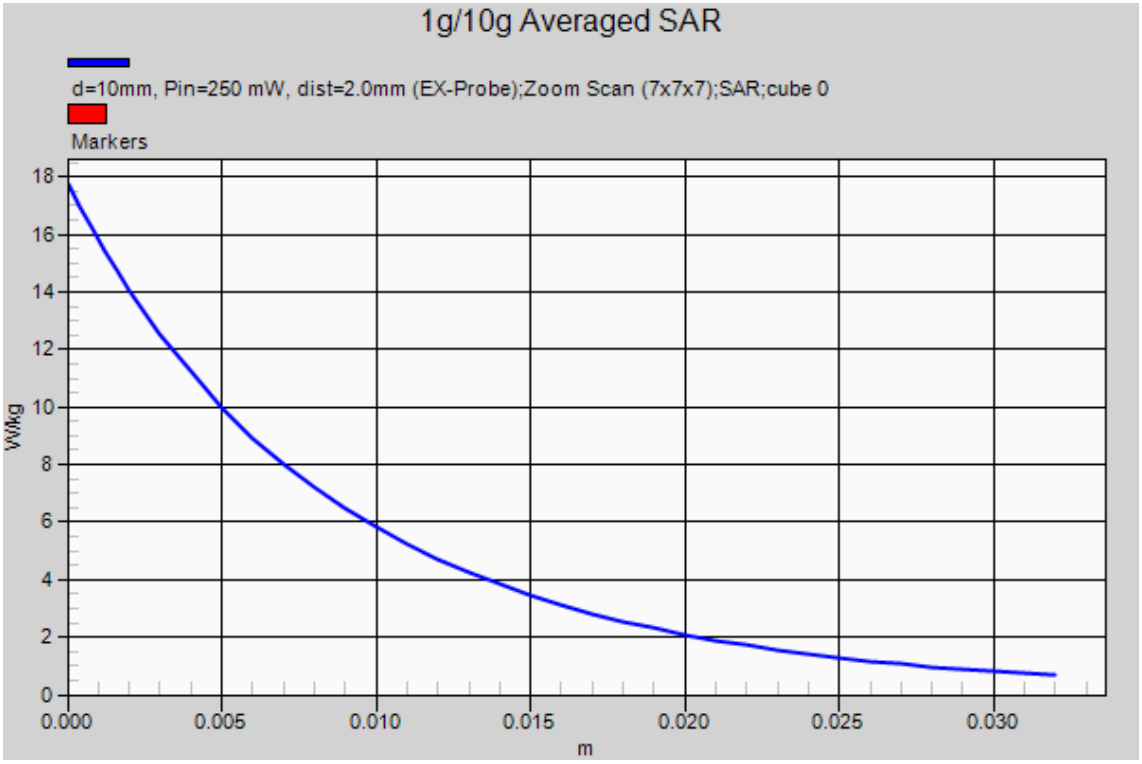
Probe: EX3DV4 - SN3957; ConvF(7.91, 7.91, 7.91); Calibrated: 12/3/2013;
Sensor-Surface: 2mm (Mechanical Surface Detection), z = 1.0, 31.0
Electronics: DAE4 Sn1409; Calibrated: 11/22/2013
Phantom: ELI v5.0 (20deg probe tilt) TP:1230; Type: QDOVA001BB; Serial: TP:1230
Measurement SW: DASY52, Version 52.8 (8)

Test date: 2014-9-27; Ambient Temp: 22.8; Tissue Temp: 22.3

1900 MHz System Verification

Area Scan (5x8x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 13.3 W/kg

Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 95.50 V/m; Power Drift = -0.09 dB
Peak SAR (extrapolated) = 17.8 W/kg
SAR(1 g) = 9.89 W/kg; SAR(10 g) = 5.22 W/kg
Maximum value of SAR (measured) = 14.0 W/kg



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

Communication System: CW; Frequency: 2450MHz
Medium parameters used: f= 2450 MHz; σ = 1.851 S/m; ε_r = 38.838; ρ = 1000 kg/m^3
Phantom section: Flat section

DASY Configuration

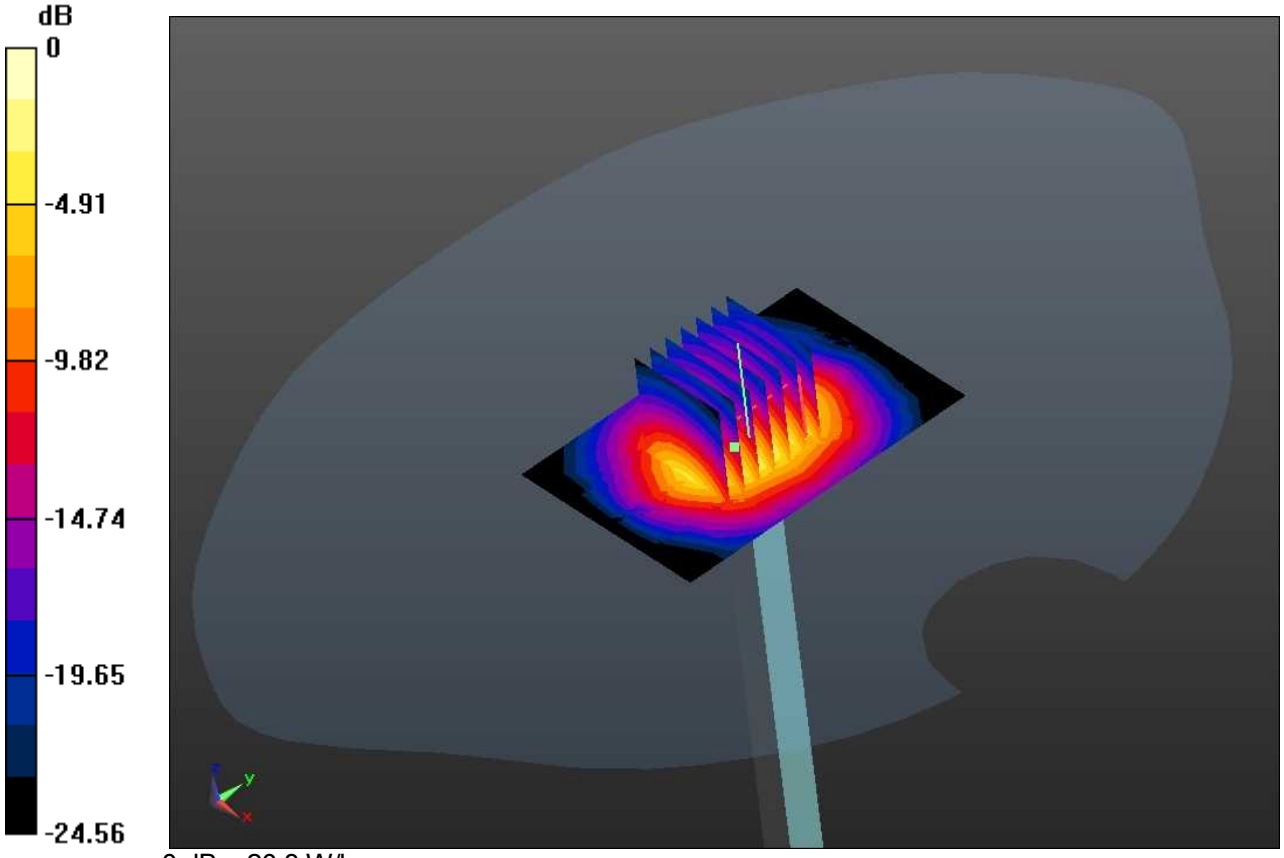
Probe: EX3DV4 - SN3957; ConvF(7.49, 7.49, 7.49); Calibrated: 12/3/2013;
Sensor-Surface: 2mm (Mechanical Surface Detection), z = 1.0, 31.0
Electronics: DAE4 Sn1409; Calibrated: 11/22/2013
Phantom: SAM v5.0 TP:1799; Type: QD000P40CD; Serial: TP:1799
Measurement SW: DASY52, Version 52.8 (8)

Test date: 2014-9-16; Ambient Temp: 22.9; Tissue Temp: 22.6

2450 MHz System Verification

Area Scan (5x7x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 20.0 W/kg

Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 105.7 V/m; Power Drift = -0.03 dB
Peak SAR (extrapolated) = 28.4 W/kg
SAR(1 g) = 13.1 W/kg; SAR(10 g) = 5.92 W/kg
Maximum value of SAR (measured) = 20.3 W/kg



0 dB = 20.3 W/kg

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

Communication System: CW; Frequency: 2450MHz
Medium parameters used: f= 2450 MHz; σ = 1.851 S/m; ε_r = 38.838; ρ = 1000 kg/m^3
Phantom section: Flat section

DASY Configuration

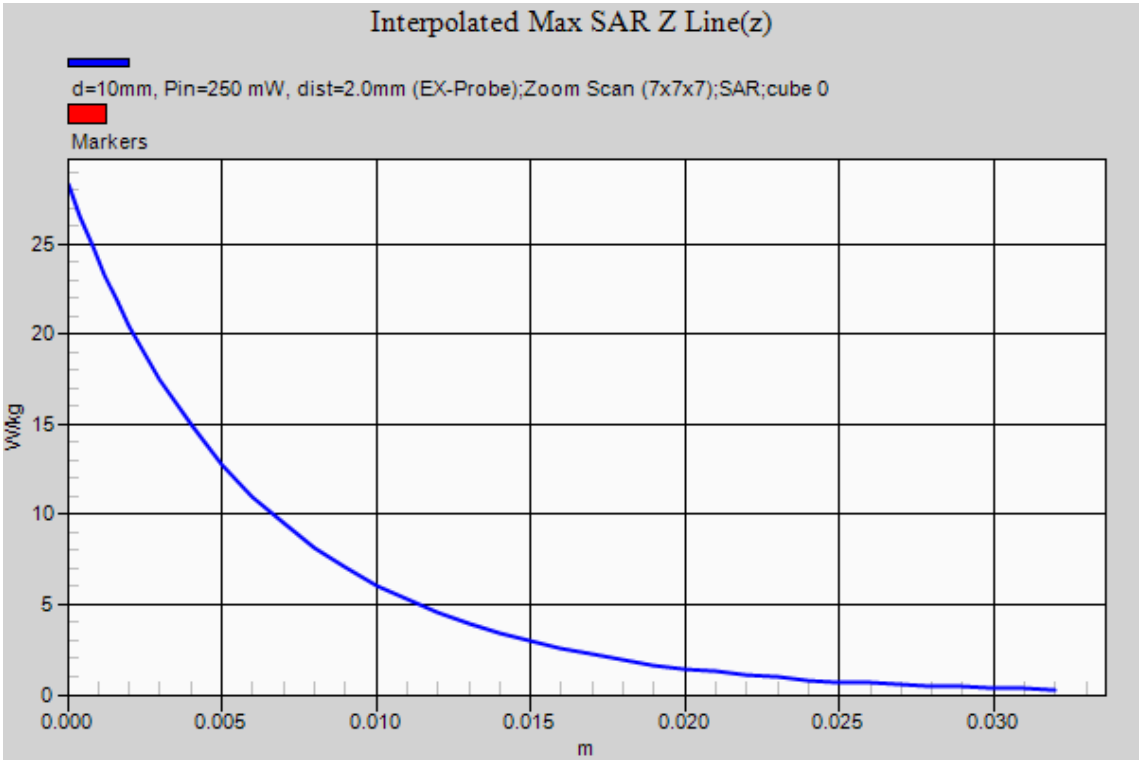
Probe: EX3DV4 - SN3957; ConvF(7.49, 7.49, 7.49); Calibrated: 12/3/2013;
Sensor-Surface: 2mm (Mechanical Surface Detection), z = 1.0, 31.0
Electronics: DAE4 Sn1409; Calibrated: 11/22/2013
Phantom: SAM v5.0 TP:1799; Type: QD000P40CD; Serial: TP:1799
Measurement SW: DASY52, Version 52.8 (8)

Test date: 2014-9-16; Ambient Temp: 22.9; Tissue Temp: 22.6

2450 MHz System Verification

Area Scan (5x7x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 20.0 W/kg

Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 105.7 V/m; Power Drift = -0.03 dB
Peak SAR (extrapolated) = 28.4 W/kg
SAR(1 g) = 13.1 W/kg; SAR(10 g) = 5.92 W/kg
Maximum value of SAR (measured) = 20.3 W/kg



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

Communication System: CW; Frequency: 2450MHz
Medium parameters used: f= 2450 MHz; σ = 1.982 S/m; ε_r = 52.291; ρ = 1000 kg/m^3
Phantom section: Flat section

DASY Configuration

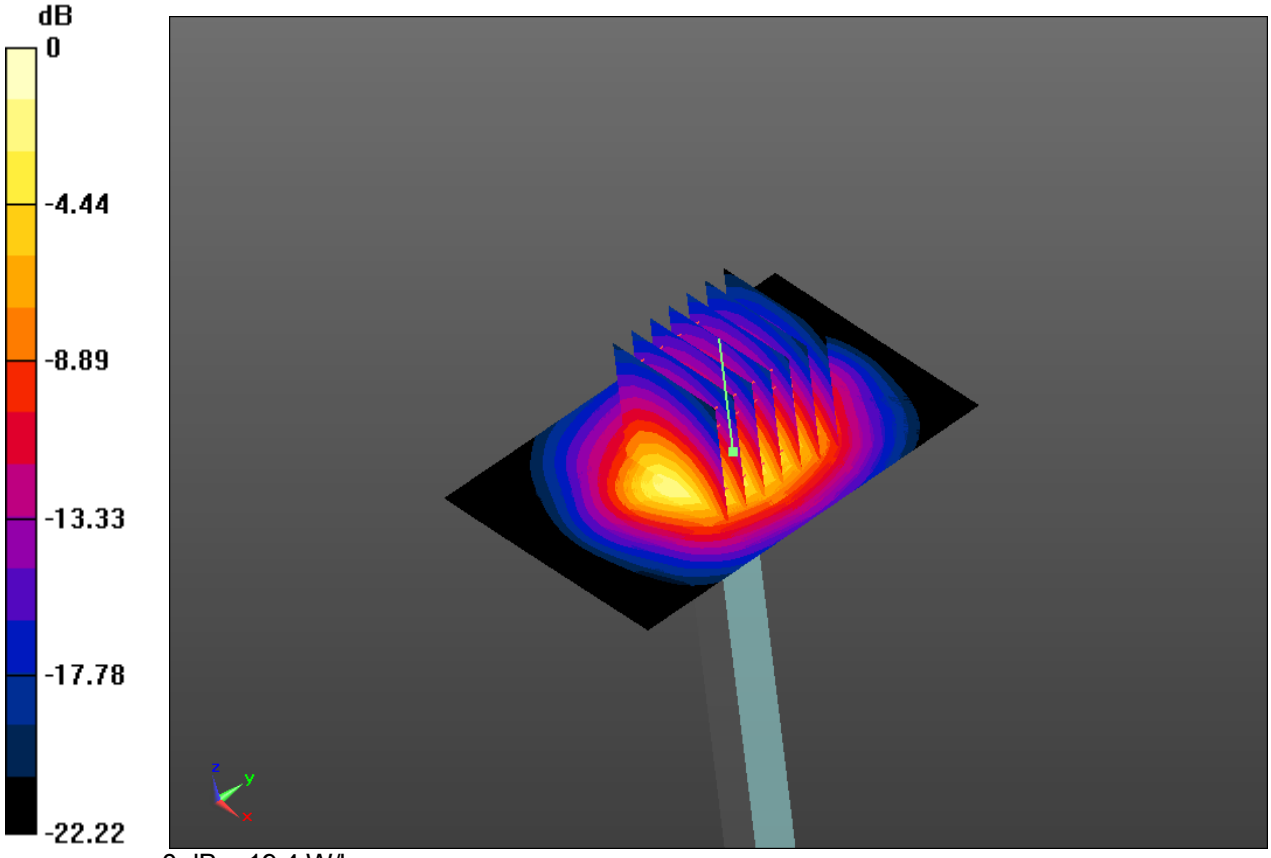
Probe: EX3DV4 - SN3957; ConvF(7.33, 7.33, 7.33); Calibrated: 12/3/2013;
Sensor-Surface: 2mm (Mechanical Surface Detection), z = 1.0, 31.0
Electronics: DAE4 Sn1409; Calibrated: 11/22/2013
Phantom: ELI v5.0 (20deg probe tilt) TP:1230; Type: QDOVA001BB; Serial: TP:1230
Measurement SW: DASY52, Version 52.8 (8)

Test date: 2014-9-17; Ambient Temp: 23.6; Tissue Temp: 22.0

2450 MHz System Verification

Area Scan (5x7x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 19.4 W/kg

Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 99.96 V/m; Power Drift = -0.04 dB
Peak SAR (extrapolated) = 26.8 W/kg
SAR(1 g) = 13.1 W/kg; SAR(10 g) = 6.12 W/kg
Maximum value of SAR (measured) = 19.4 W/kg



0 dB = 19.4 W/kg

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

Communication System: CW; Frequency: 2450MHz
Medium parameters used: f= 2450 MHz; σ = 1.982 S/m; ε_r = 52.291; ρ = 1000 kg/m^3
Phantom section: Flat section

DASY Configuration

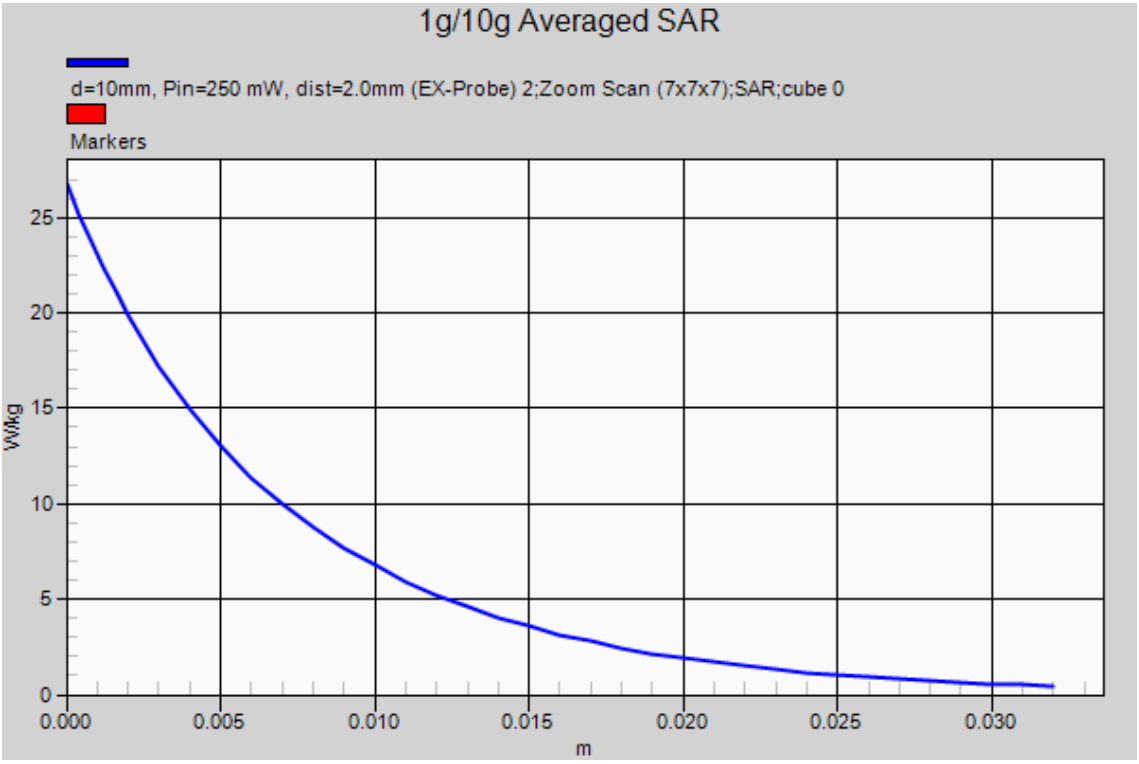
Probe: EX3DV4 - SN3957; ConvF(7.33, 7.33, 7.33); Calibrated: 12/3/2013;
Sensor-Surface: 2mm (Mechanical Surface Detection), z = 1.0, 31.0
Electronics: DAE4 Sn1409; Calibrated: 11/22/2013
Phantom: ELI v5.0 (20deg probe tilt) TP:1230; Type: QDOVA001BB; Serial: TP:1230
Measurement SW: DASY52, Version 52.8 (8)

Test date: 2014-9-17; Ambient Temp: 23.6; Tissue Temp: 22.0

2450 MHz System Verification

Area Scan (5x7x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 19.4 W/kg

Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 99.96 V/m; Power Drift = -0.04 dB
Peak SAR (extrapolated) = 26.8 W/kg
SAR(1 g) = 13.1 W/kg; SAR(10 g) = 6.12 W/kg
Maximum value of SAR (measured) = 19.4 W/kg



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

Communication System: CW; Frequency: 835MHz
Medium parameters used: f= 835 MHz; σ = 0.91 S/m; ε_r = 42.204; ρ = 1000 kg/m^3
Phantom section: Flat section

DASY Configuration

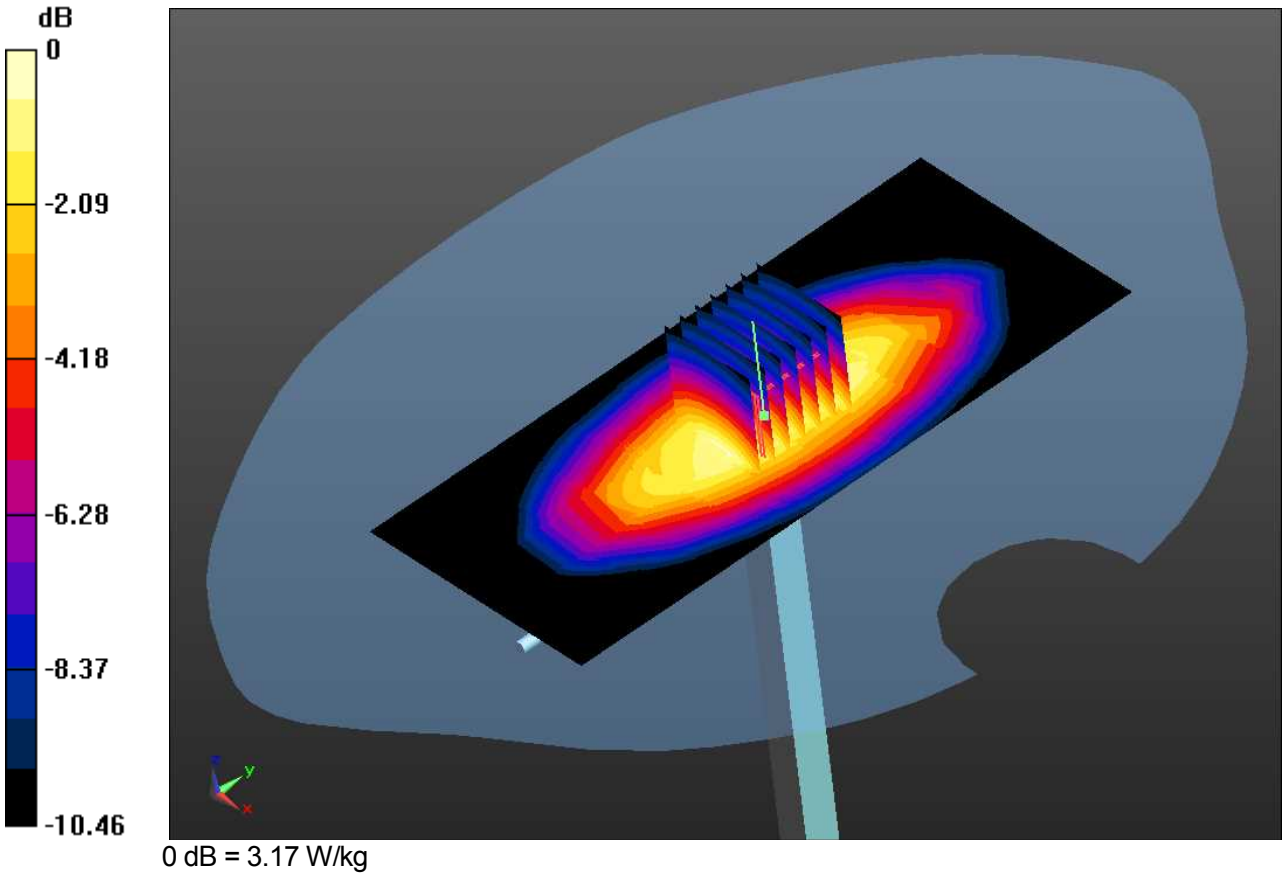
Probe: EX3DV4 - SN3957; ConvF(10.02, 10.02, 10.02); Calibrated: 12/3/2013;
Sensor-Surface: 2mm (Mechanical Surface Detection), z = 1.0, 31.0
Electronics: DAE4 Sn1409; Calibrated: 11/22/2013
Phantom: SAM v5.0 TP:1799; Type: QD000P40CD; Serial: TP:1799
Measurement SW: DASY52, Version 52.8 (8)

Test date: 2014-10-28; Ambient Temp: 23.7; Tissue Temp: 23.5

835 MHz System Verification

Area Scan (6x13x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 3.16 W/kg

Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 60.32 V/m; Power Drift = -0.01 dB
Peak SAR (extrapolated) = 3.03 W/kg
SAR(1 g) = 2.5 W/kg; SAR(10 g) = 1.64 W/kg
Maximum value of SAR (measured) = 3.17 W/kg



0 dB = 3.17 W/kg

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

Communication System: CW; Frequency: 835MHz
Medium parameters used: f= 835 MHz; σ = 0.91 S/m; ε_r = 42.204; ρ = 1000 kg/m^3
Phantom section: Flat section

DASY Configuration

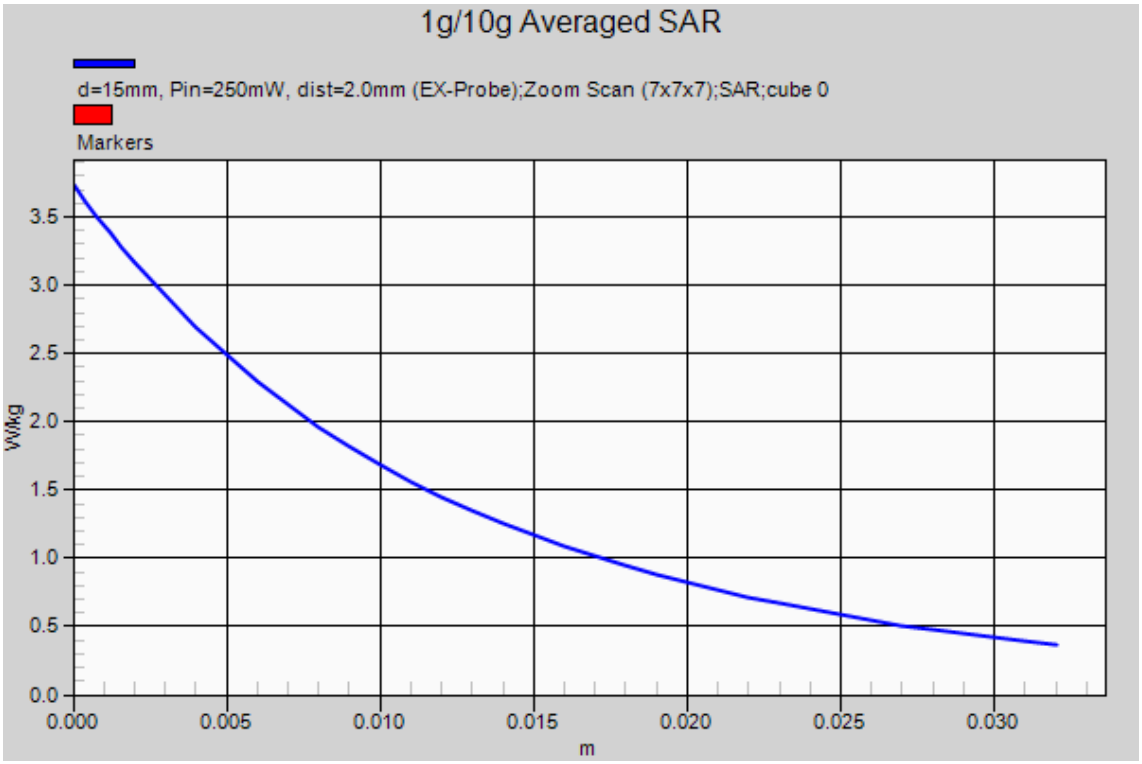
Probe: EX3DV4 - SN3957; ConvF(10.02, 10.02, 10.02); Calibrated: 12/3/2013;
Sensor-Surface: 2mm (Mechanical Surface Detection), z = 1.0, 31.0
Electronics: DAE4 Sn1409; Calibrated: 11/22/2013
Phantom: SAM v5.0 TP:1799; Type: QD000P40CD; Serial: TP:1799
Measurement SW: DASY52, Version 52.8 (8)

Test date: 2014-10-28; Ambient Temp: 23.7; Tissue Temp: 23.5

835 MHz System Verification

Area Scan (6x13x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 3.16 W/kg

Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 60.32 V/m; Power Drift = -0.01 dB
Peak SAR (extrapolated) = 3.03 W/kg
SAR(1 g) = 2.5 W/kg; SAR(10 g) = 1.64 W/kg
Maximum value of SAR (measured) = 3.17 W/kg



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

Communication System: CW; Frequency: 835MHz
Medium parameters used: f= 835 MHz; σ = 1.019 S/m; ε_r = 54.852; ρ = 1000 kg/m^3
Phantom section: Flat section

DASY Configuration

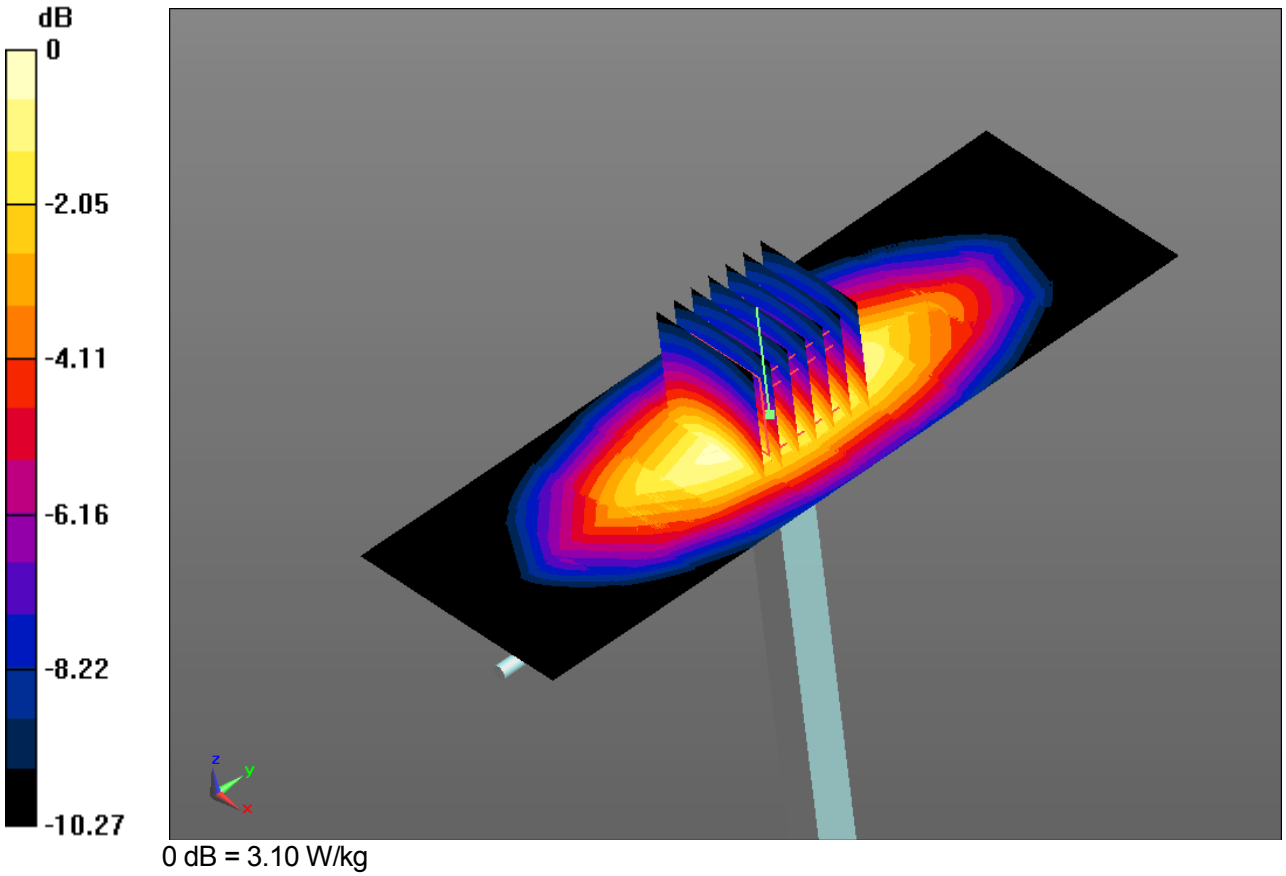
Probe: EX3DV4 - SN3957; ConvF(9.78, 9.78, 9.78); Calibrated: 12/3/2013;
Sensor-Surface: 2mm (Mechanical Surface Detection), z = 1.0, 31.0
Electronics: DAE4 Sn1409; Calibrated: 11/22/2013
Phantom: ELI v5.0 (20deg probe tilt) TP:1230; Type: QDOVA001BB; Serial: TP:1230
Measurement SW: DASY52, Version 52.8 (8)

Test date: 2014-10-29; Ambient Temp: 23.9; Tissue Temp: 23.2

835 MHz System Verification

Area Scan (5x13x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 3.05 W/kg

Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 55.78 V/m; Power Drift = -0.02 dB
Peak SAR (extrapolated) = 3.66 W/kg
SAR(1 g) = 2.44 W/kg; SAR(10 g) = 1.6 W/kg
Maximum value of SAR (measured) = 3.10 W/kg



0 dB = 3.10 W/kg

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

Communication System: CW; Frequency: 835MHz
Medium parameters used: f= 835 MHz; σ = 1.019 S/m; ε_r = 54.852; ρ = 1000 kg/m^3
Phantom section: Flat section

DASY Configuration

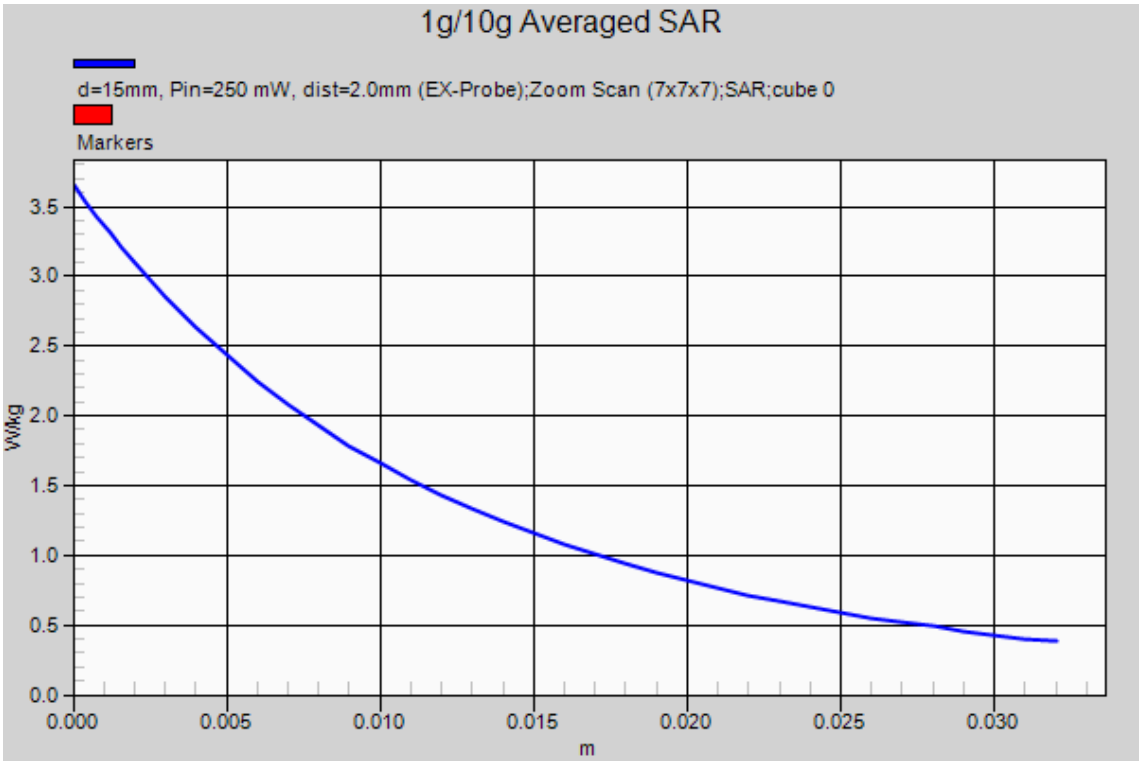
Probe: EX3DV4 - SN3957; ConvF(9.78, 9.78, 9.78); Calibrated: 12/3/2013;
Sensor-Surface: 2mm (Mechanical Surface Detection), z = 1.0, 31.0
Electronics: DAE4 Sn1409; Calibrated: 11/22/2013
Phantom: ELI v5.0 (20deg probe tilt) TP:1230; Type: QDOVA001BB; Serial: TP:1230
Measurement SW: DASY52, Version 52.8 (8)

Test date: 2014-10-29; Ambient Temp: 23.9; Tissue Temp: 23.2

835 MHz System Verification

Area Scan (5x13x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 3.05 W/kg

Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 55.78 V/m; Power Drift = -0.02 dB
Peak SAR (extrapolated) = 3.66 W/kg
SAR(1 g) = 2.44 W/kg; SAR(10 g) = 1.6 W/kg
Maximum value of SAR (measured) = 3.10 W/kg



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

Communication System: CW; Frequency: 1900MHz
Medium parameters used: f= 1900 MHz; σ = 1.409 S/m; ε_r = 39.255; ρ = 1000 kg/m^3
Phantom section: Flat section

DASY Configuration

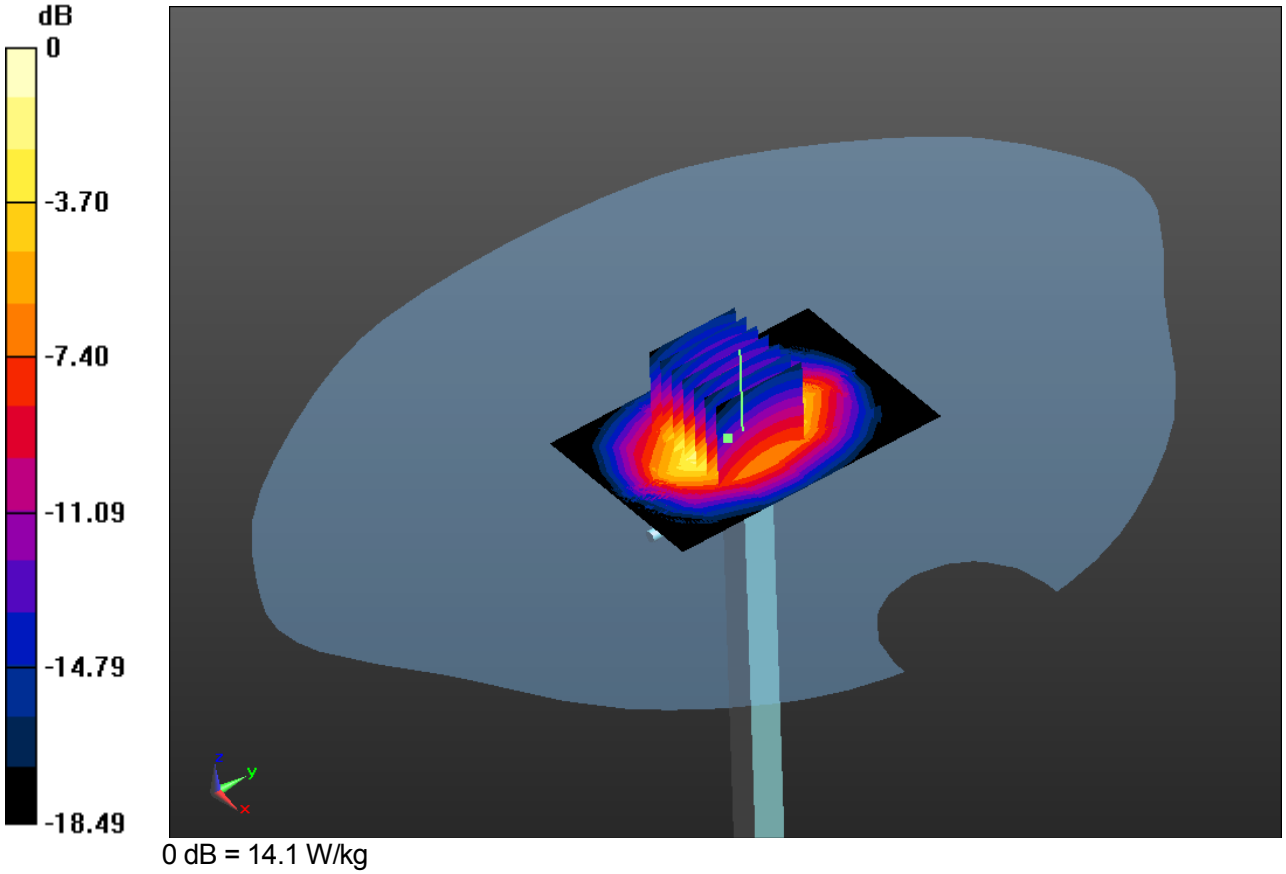
Probe: EX3DV4 - SN3957; ConvF(8.35, 8.35, 8.35); Calibrated: 12/3/2013;
Sensor-Surface: 2mm (Mechanical Surface Detection), z = 1.0, 31.0
Electronics: DAE4 Sn1409; Calibrated: 11/22/2013
Phantom: SAM v5.0 TP:1799; Type: QD000P40CD; Serial: TP:1799
Measurement SW: DASY52, Version 52.8 (8)

Test date: 2014-10-30; Ambient Temp: 23.4; Tissue Temp: 23.1

1900 MHz System Verification

Area Scan (5x7x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 13.8 W/kg

Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 100.2 V/m; Power Drift = 0.08 dB
Peak SAR (extrapolated) = 18.3 W/kg
SAR(1 g) = 9.75 W/kg; SAR(10 g) = 5.04 W/kg
Maximum value of SAR (measured) = 14.1 W/kg



0 dB = 14.1 W/kg

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

Communication System: CW; Frequency: 1900MHz
Medium parameters used: f= 1900 MHz; σ = 1.409 S/m; ε_r = 39.255; ρ = 1000 kg/m^3
Phantom section: Flat section

DASY Configuration

Probe: EX3DV4 - SN3957; ConvF(8.35, 8.35, 8.35); Calibrated: 12/3/2013;
Sensor-Surface: 2mm (Mechanical Surface Detection), z = 1.0, 31.0
Electronics: DAE4 Sn1409; Calibrated: 11/22/2013
Phantom: SAM v5.0 TP:1799; Type: QD000P40CD; Serial: TP:1799
Measurement SW: DASY52, Version 52.8 (8)

Test date: 2014-10-30; Ambient Temp: 23.4; Tissue Temp: 23.1

1900 MHz System Verification

Area Scan (5x7x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 13.8 W/kg

Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 100.2 V/m; Power Drift = 0.08 dB
Peak SAR (extrapolated) = 18.3 W/kg
SAR(1 g) = 9.75 W/kg; SAR(10 g) = 5.04 W/kg
Maximum value of SAR (measured) = 14.1 W/kg