

## Dipole Verification Plots

**DUT: Dipole 750MHz; Type: D750V3; Serial: 1100**

Communication System: CW; Frequency: 750MHz

Medium parameters used:  $f=750\text{MHz}$ ,  $\sigma=0.918\text{S/m}$ ,  $\epsilon_r=41.343$ ;  $\rho=1000\text{kg/m}^3$

Phantom section: Flat section

### DASY Configuration

Probe: EX3DV4 - SN3957; ConvF(10.35, 10.35, 10.35); 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

DASY52 52.8.7(1137);

Test date: 2014-4-17; Ambient Temp: 23.7; Tissue Temp: 22.2

### 750 MHz System Verification

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

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

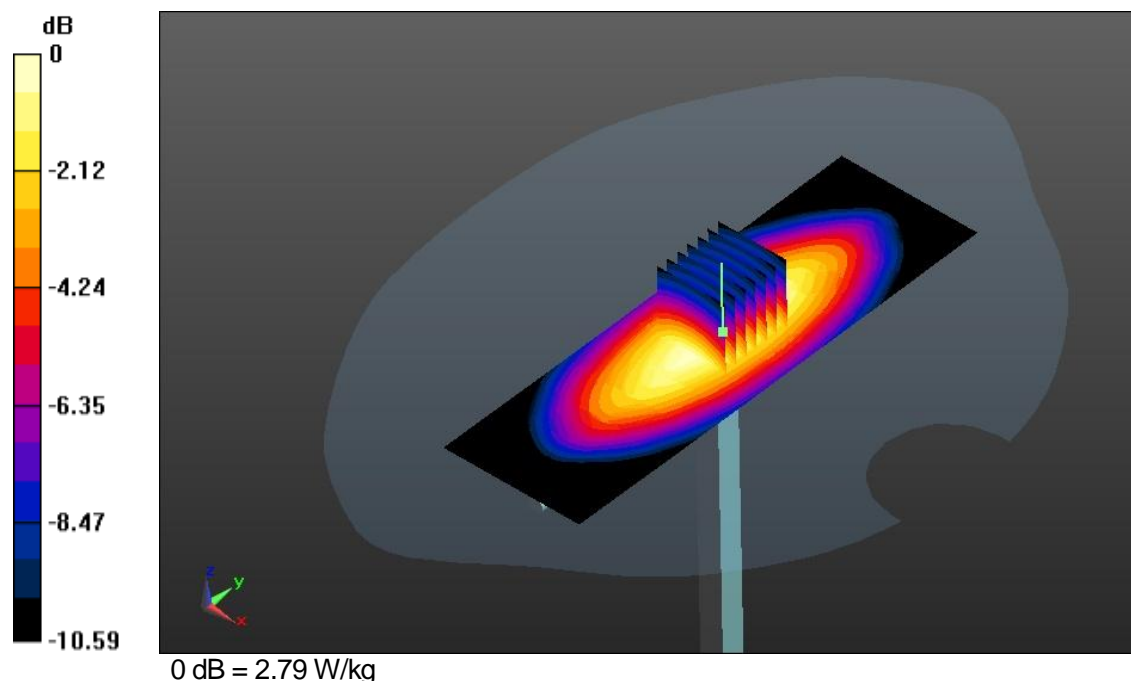
**Zoom Scan (7x7x7)/Cube 0:** Measurement grid:  $dx=5\text{mm}$ ,  $dy=5\text{mm}$ ,  $dz=5\text{mm}$

Reference Value = 55.808 V/m; Power Drift = -0.04 dB

Peak SAR (extrapolated) = 3.32 W/kg

**SAR(1 g) = 2.18 W/kg; SAR(10 g) = 1.43 W/kg**

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



**DUT: Dipole 750MHz; Type: D750V3; Serial: 1100**

Communication System: CW; Frequency: 750MHz

Medium parameters used:  $f=750\text{MHz}$ ,  $\sigma=0.918\text{S/m}$ ,  $\epsilon_r=41.343$ ;  $\rho=1000\text{kg/m}^3$ 

Phantom section: Flat section

**DASY Configuration**

Probe: EX3DV4 - SN3957; ConvF(10.35, 10.35, 10.35); 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

DASY52 52.8.7(1137);

Test date: 2014-4-16; Ambient Temp: 24.0; Tissue Temp: 23.1

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

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

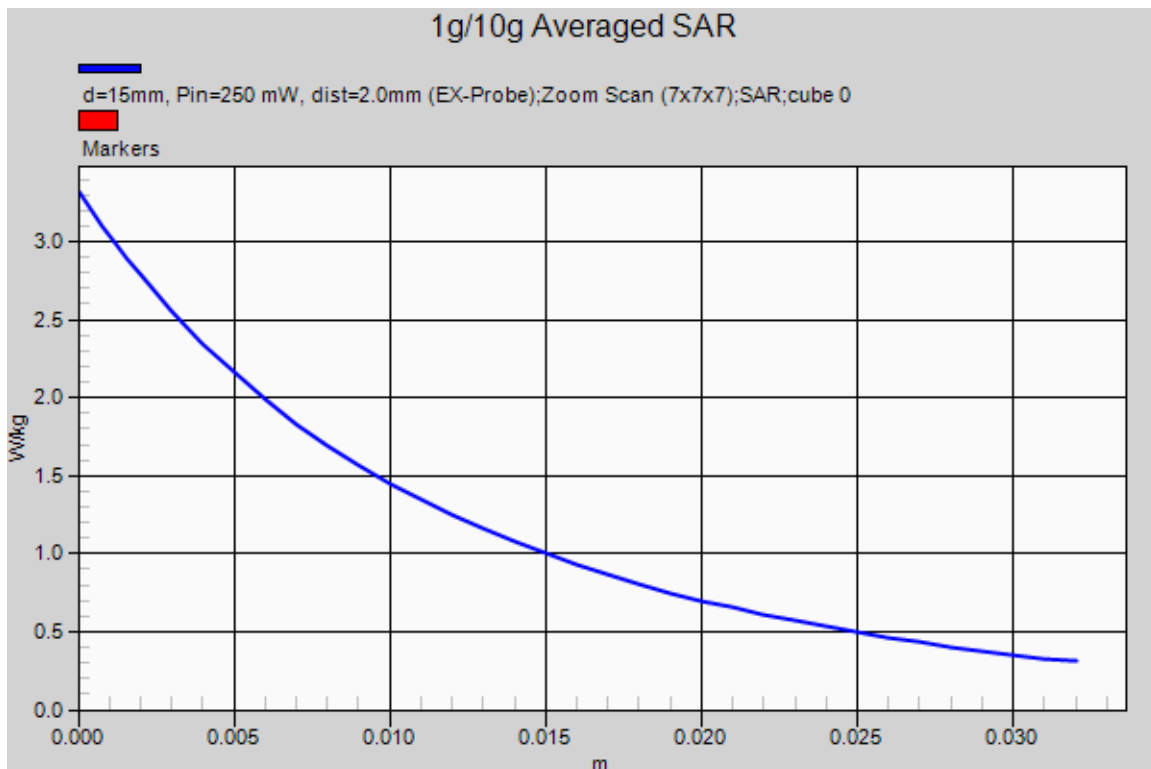
**Zoom Scan (7x7x7)/Cube 0:** Measurement grid:  $dx=5\text{mm}$ ,  $dy=5\text{mm}$ ,  $dz=5\text{mm}$ 

Reference Value = 55.808 V/m; Power Drift = -0.04 dB

Peak SAR (extrapolated) = 3.32 W/kg

**SAR(1 g) = 2.18 W/kg; SAR(10 g) = 1.43 W/kg**

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



### DUT: Dipole 750MHz; Type: D750V3; Serial: 1100

Communication System: CW; Frequency: 750MHz

Medium parameters used:  $f=750\text{MHz}$ ,  $\sigma=0.992\text{S/m}$ ,  $\epsilon_r=55.301$ ;  $\rho=1000\text{kg/m}^3$

Phantom section: Flat section

### DASY Configuration

Probe: EX3DV4 - SN3957; ConvF(9.91, 9.91, 9.91); 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

DASY52 52.8.7(1137);

Test date: 2014-4-17; Ambient Temp: 22.8; Tissue Temp: 24.0

### 750 MHz System Verification

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

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

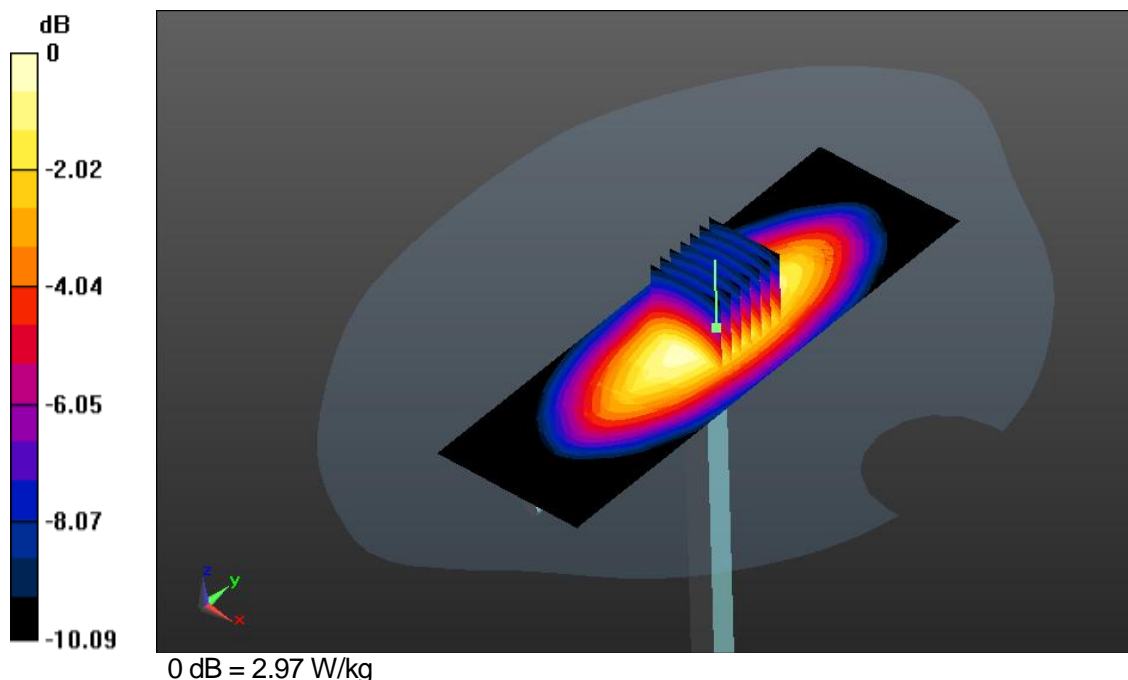
**Zoom Scan (7x7x7)/Cube 0:** Measurement grid:  $dx=5\text{mm}$ ,  $dy=5\text{mm}$ ,  $dz=5\text{mm}$

Reference Value = 55.808 V/m; Power Drift = -0.04 dB

Peak SAR (extrapolated) = 3.53 W/kg

**SAR(1 g) = 2.33 W/kg; SAR(10 g) = 1.54 W/kg**

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



**DUT: Dipole 750MHz; Type: D750V3; Serial: 1100**

Communication System: CW; Frequency: 750MHz

Medium parameters used:  $f=750\text{MHz}$ ,  $\sigma=0.992\text{S/m}$ ,  $\epsilon_r=55.301$ ;  $\rho=1000\text{kg/m}^3$ 

Phantom section: Flat section

**DASY Configuration**

Probe: EX3DV4 - SN3957; ConvF(9.91, 9.91, 9.91); 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

DASY52 52.8.7(1137);

Test date: 2014-4-17; Ambient Temp: 22.8; Tissue Temp: 24.0

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

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

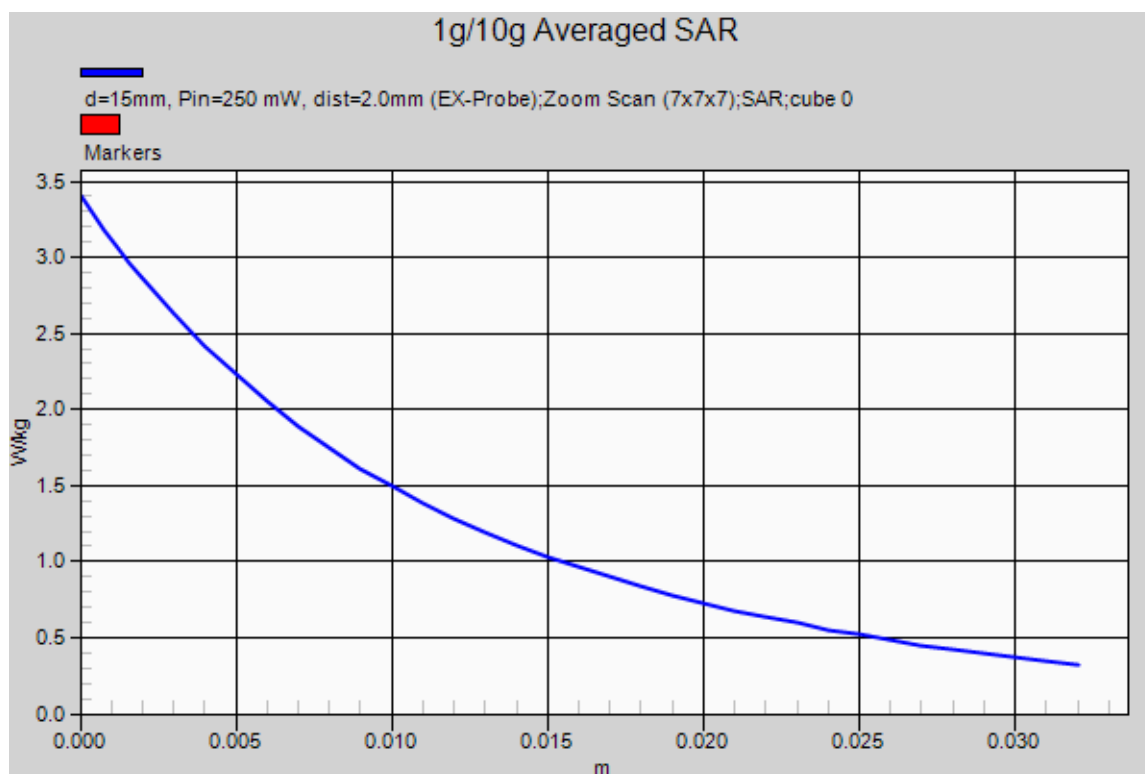
**Zoom Scan (7x7x7)/Cube 0:** Measurement grid:  $dx=5\text{mm}$ ,  $dy=5\text{mm}$ ,  $dz=5\text{mm}$ 

Reference Value = 55.808 V/m; Power Drift = -0.04 dB

Peak SAR (extrapolated) = 3.53 W/kg

**SAR(1 g) = 2.33 W/kg; SAR(10 g) = 1.54 W/kg**

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



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

Communication System: CW; Frequency: 835MHz

Medium parameters used:  $f=835\text{MHz}$ ,  $\sigma=0.898\text{S/m}$ ,  $\epsilon_r=40.093$ ;  $\rho=1000\text{kg/m}^3$

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

DASY52 52.8.7(1137);

Test date: 2014-4-15; Ambient Temp: 22.0; Tissue Temp: 23.0

### 835 MHz System Verification

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

Maximum value of SAR (measured) = 3.15 W/kg

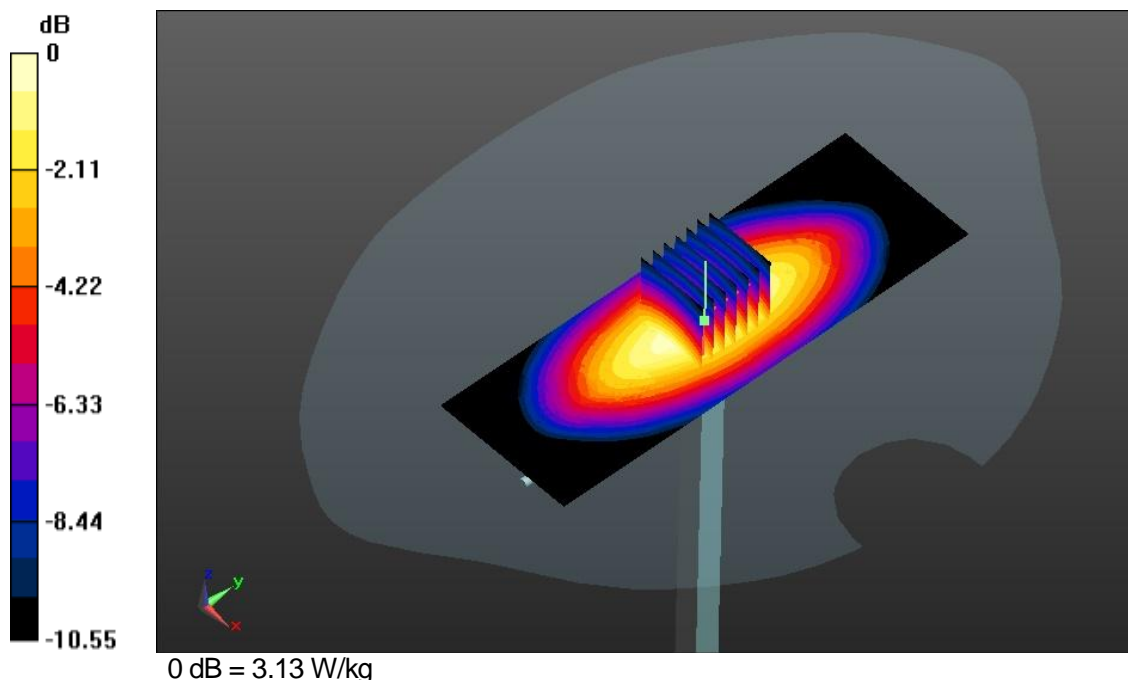
**Zoom Scan (7x7x7)/Cube 0:** Measurement grid:  $dx=5\text{mm}$ ,  $dy=5\text{mm}$ ,  $dz=5\text{mm}$

Reference Value = 60.761 V/m; Power Drift = -0.06 dB

Peak SAR (extrapolated) = 3.72 W/kg

**SAR(1 g) = 2.46 W/kg; SAR(10 g) = 1.61 W/kg**

Maximum value of SAR (measured) = 3.13 W/kg



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

Communication System: CW; Frequency: 835MHz

Medium parameters used:  $f=835\text{MHz}$ ,  $\sigma=0.898\text{S/m}$ ,  $\epsilon_r=40.093$ ;  $\rho=1000\text{kg/m}^3$

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

DASY52 52.8.7(1137);

Test date: 2014-4-15; Ambient Temp: 22.0; Tissue Temp: 23.0

### 835 MHz System Verification

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

Maximum value of SAR (measured) = 3.15 W/kg

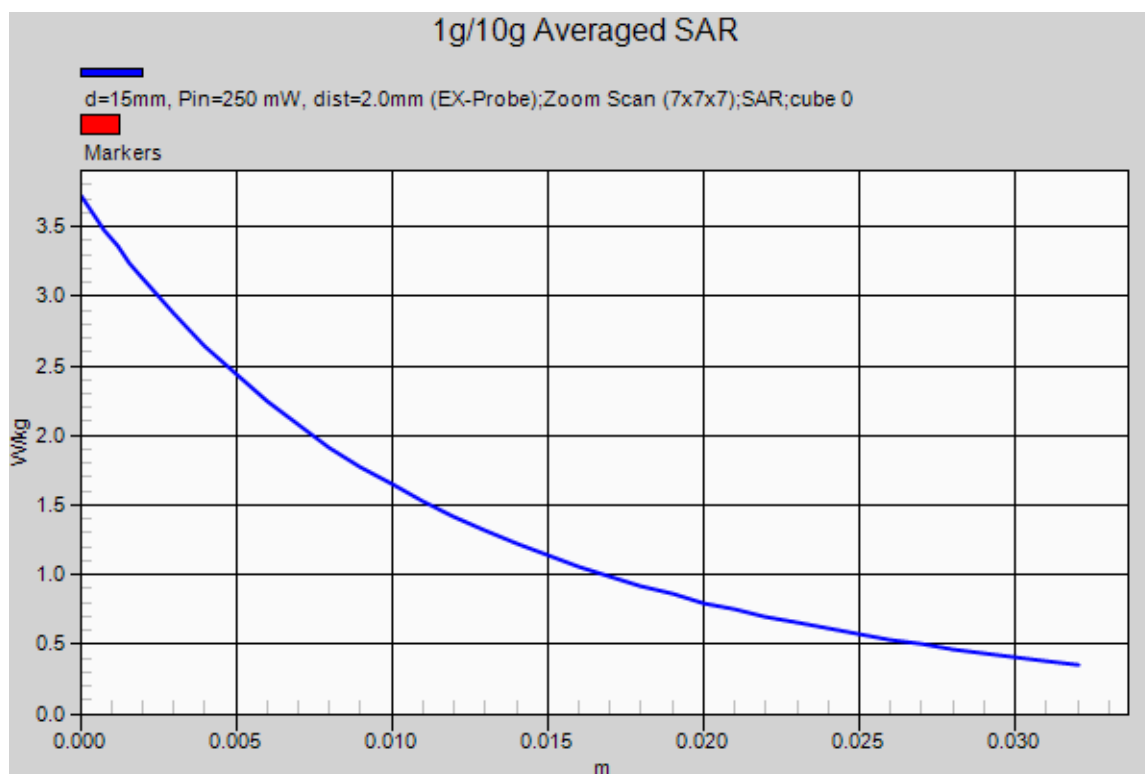
**Zoom Scan (7x7x7)/Cube 0:** Measurement grid:  $dx=5\text{mm}$ ,  $dy=5\text{mm}$ ,  $dz=5\text{mm}$

Reference Value = 60.761 V/m; Power Drift = -0.06 dB

Peak SAR (extrapolated) = 3.72 W/kg

**SAR(1 g) = 2.46 W/kg; SAR(10 g) = 1.61 W/kg**

Maximum value of SAR (measured) = 3.13 W/kg



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

Communication System: CW; Frequency: 835MHz

Medium parameters used:  $f=835\text{MHz}$ ,  $\sigma=1.011\text{S/m}$ ,  $\epsilon_r=55.031$ ;  $\rho=1000\text{kg/m}^3$

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

DASY52 52.8.7(1137);

Test date: 2014-4-15; Ambient Temp: 22.3; Tissue Temp: 21.1

### 835 MHz System Verification

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

Maximum value of SAR (measured) = 3.20 W/kg

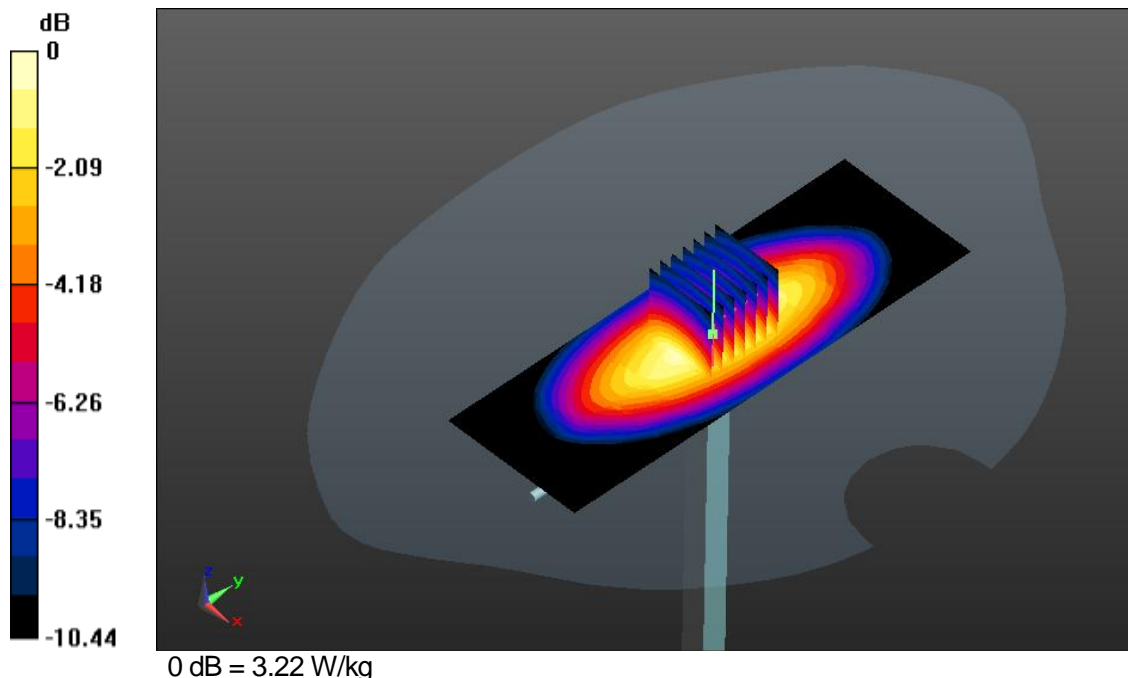
**Zoom Scan (7x7x7)/Cube 0:** Measurement grid:  $dx=5\text{mm}$ ,  $dy=5\text{mm}$ ,  $dz=5\text{mm}$

Reference Value = 60.761 V/m; Power Drift = -0.06 dB

Peak SAR (extrapolated) = 3.83 W/kg

**SAR(1 g) = 2.52 W/kg; SAR(10 g) = 1.66 W/kg**

Maximum value of SAR (measured) = 3.22 W/kg



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

Communication System: CW; Frequency: 835MHz

Medium parameters used:  $f=835\text{MHz}$ ,  $\sigma=1.011\text{S/m}$ ,  $\epsilon_r=55.031$ ;  $\rho=1000\text{kg/m}^3$ 

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

DASY52 52.8.7(1137);

Test date: 2014-4-15; Ambient Temp: 22.3; Tissue Temp: 21.1

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

Maximum value of SAR (measured) = 3.20 W/kg

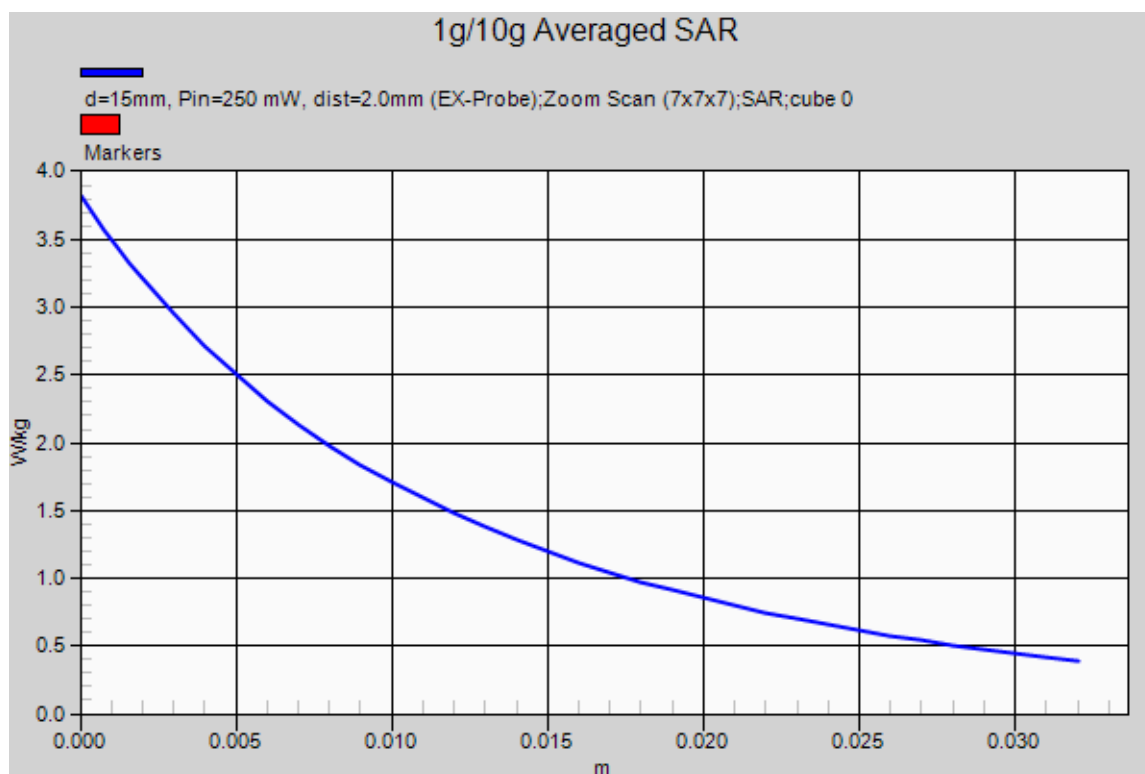
**Zoom Scan (7x7x7)/Cube 0:** Measurement grid:  $dx=5\text{mm}$ ,  $dy=5\text{mm}$ ,  $dz=5\text{mm}$ 

Reference Value = 60.761 V/m; Power Drift = -0.06 dB

Peak SAR (extrapolated) = 3.83 W/kg

**SAR(1 g) = 2.52 W/kg; SAR(10 g) = 1.66 W/kg**

Maximum value of SAR (measured) = 3.22 W/kg





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

Communication System: CW; Frequency: 1900MHz

Medium parameters used:  $f=1900\text{MHz}$ ,  $\sigma=1.454\text{S/m}$ ,  $\epsilon_r=38.868$ ;  $\rho=1000\text{kg/m}^3$

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

DASY52 52.8.7(1137);

Test date: 2014-4-12; Ambient Temp: 22.1; Tissue Temp: 21.6

### 1900 MHz System Verification

**Area Scan (5x7x1):** Measurement grid:  $dx=15\text{mm}$ ,  $dy=15\text{mm}$

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

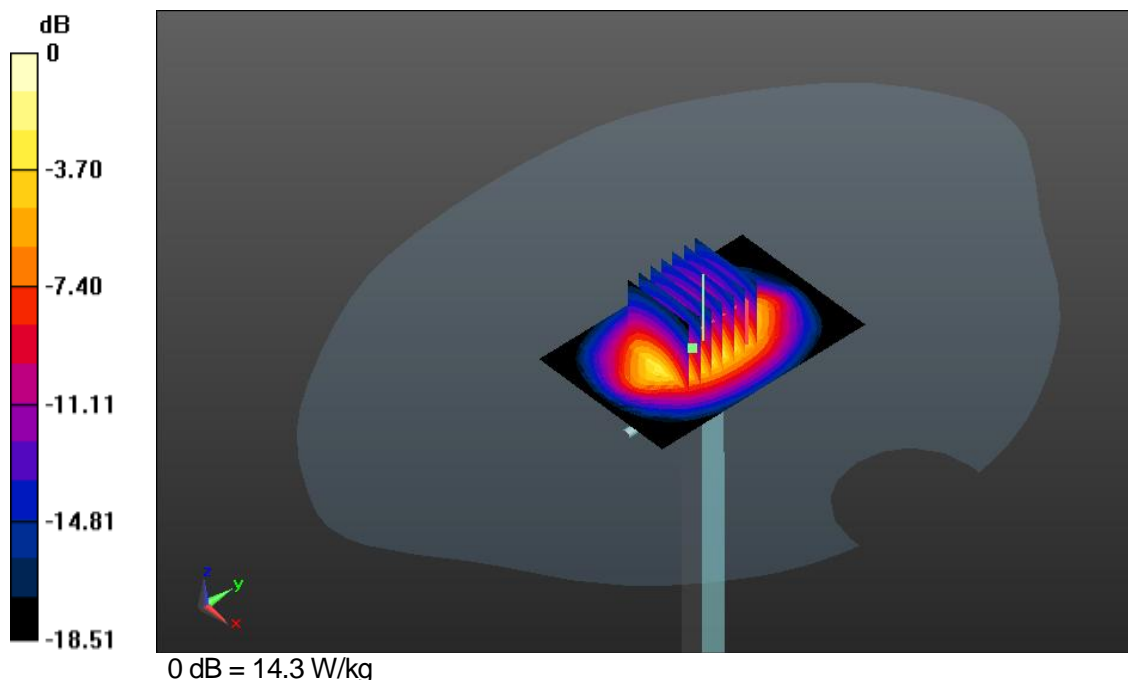
**Zoom Scan (7x7x7)/Cube 0:** Measurement grid:  $dx=5\text{mm}$ ,  $dy=5\text{mm}$ ,  $dz=5\text{mm}$

Reference Value = 100.4 V/m; Power Drift = -0.01 dB

Peak SAR (extrapolated) = 18.6 W/kg

**SAR(1 g) = 9.88 W/kg; SAR(10 g) = 5.11 W/kg**

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



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

Communication System: CW; Frequency: 1900MHz

Medium parameters used:  $f=1900\text{MHz}$ ,  $\sigma=1.454\text{S/m}$ ,  $\epsilon_r=38.868$ ;  $\rho=1000\text{kg/m}^3$

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

DASY52 52.8.7(1137);

Test date: 2014-4-12; Ambient Temp: 22.1; Tissue Temp: 21.6

**1900 MHz System Verification**

**Area Scan (5x7x1):** Measurement grid:  $dx=15\text{mm}$ ,  $dy=15\text{mm}$

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

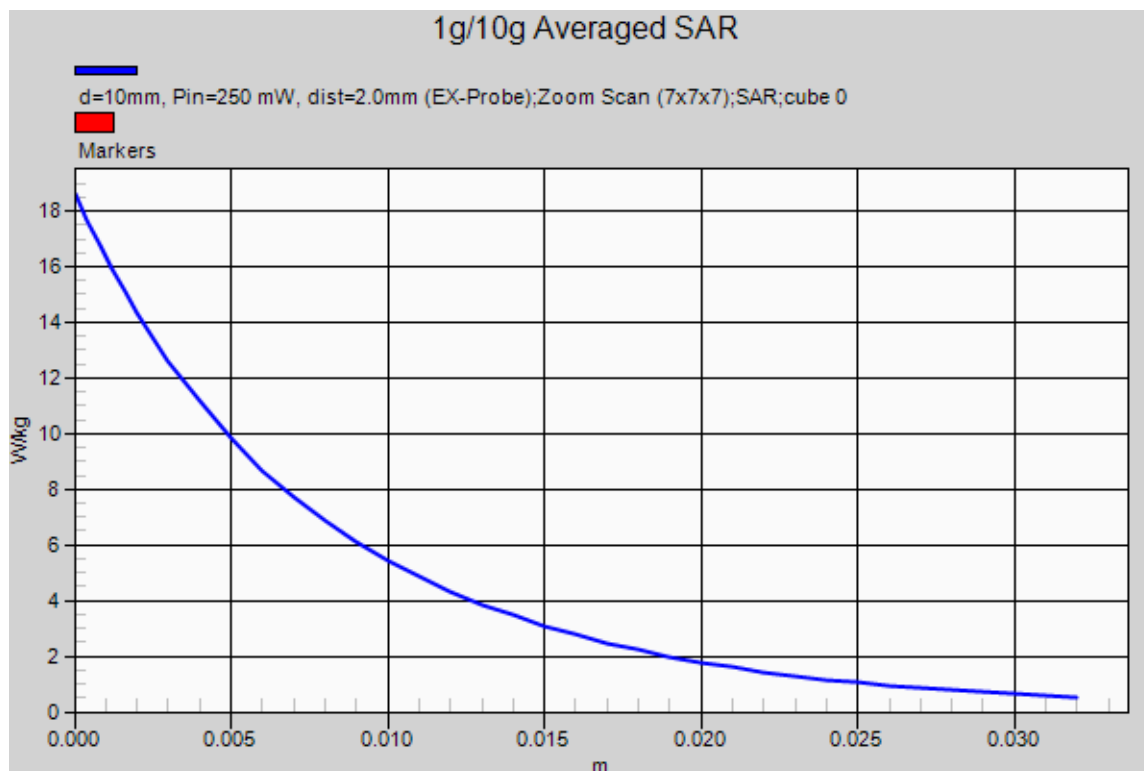
**Zoom Scan (7x7x7)/Cube 0:** Measurement grid:  $dx=5\text{mm}$ ,  $dy=5\text{mm}$ ,  $dz=5\text{mm}$

Reference Value = 100.4 V/m; Power Drift = -0.01 dB

Peak SAR (extrapolated) = 18.6 W/kg

**SAR(1 g) = 9.88 W/kg; SAR(10 g) = 5.11 W/kg**

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



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

Communication System: CW; Frequency: 1900MHz

Medium parameters used:  $f=1900\text{MHz}$ ,  $\sigma=1.524\text{S/m}$ ,  $\epsilon_r=52.572$ ;  $\rho=1000\text{kg/m}^3$

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

DASY52 52.8.7(1137);

Test date: 2014-4-13; Ambient Temp: 23.1; Tissue Temp: 22.9

### 1900 MHz System Verification

**Area Scan (5x7x1):** Measurement grid:  $dx=15\text{mm}$ ,  $dy=15\text{mm}$

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

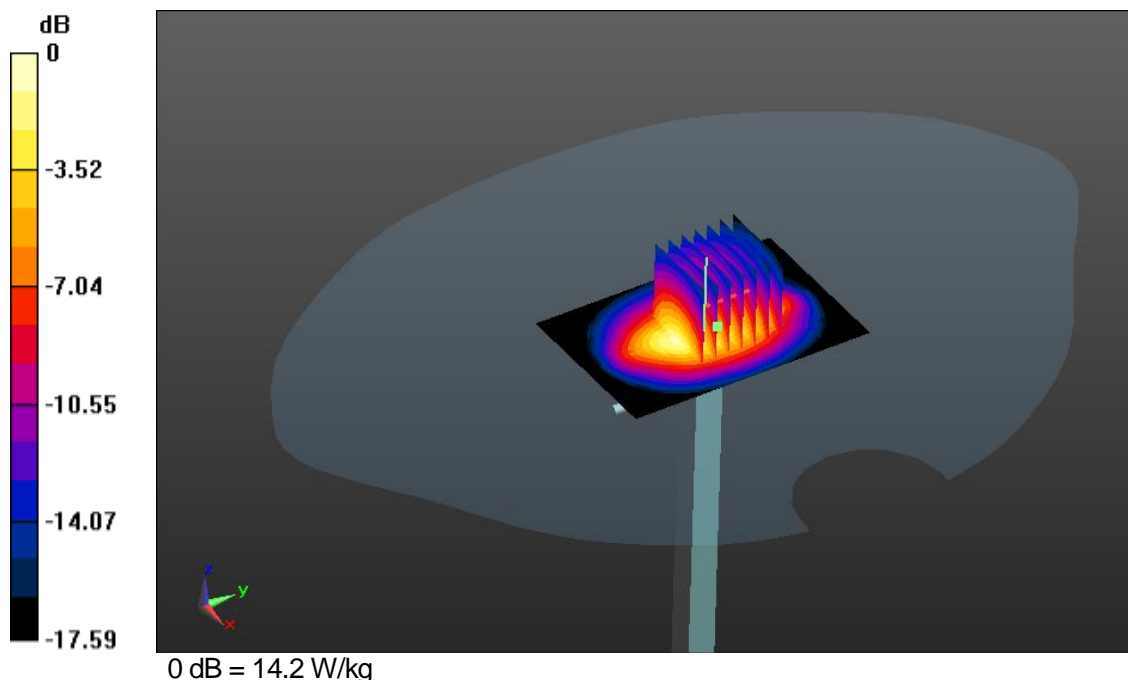
**Zoom Scan (7x7x7)/Cube 0:** Measurement grid:  $dx=5\text{mm}$ ,  $dy=5\text{mm}$ ,  $dz=5\text{mm}$

Reference Value = 97.403 V/m; Power Drift = -0.01 dB

Peak SAR (extrapolated) = 18.0 W/kg

**SAR(1 g) = 9.93 W/kg; SAR(10 g) = 5.24 W/kg**

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



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

Communication System: CW; Frequency: 1900MHz

Medium parameters used:  $f=1900\text{MHz}$ ,  $\sigma=1.524\text{S/m}$ ,  $\epsilon_r=52.572$ ;  $\rho=1000\text{kg/m}^3$ 

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

DASY52 52.8.7(1137);

Test date: 2014-4-13; Ambient Temp: 23.1; Tissue Temp: 22.9

**1900 MHz System Verification****Area Scan (5x7x1):** Measurement grid:  $dx=15\text{mm}$ ,  $dy=15\text{mm}$ 

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

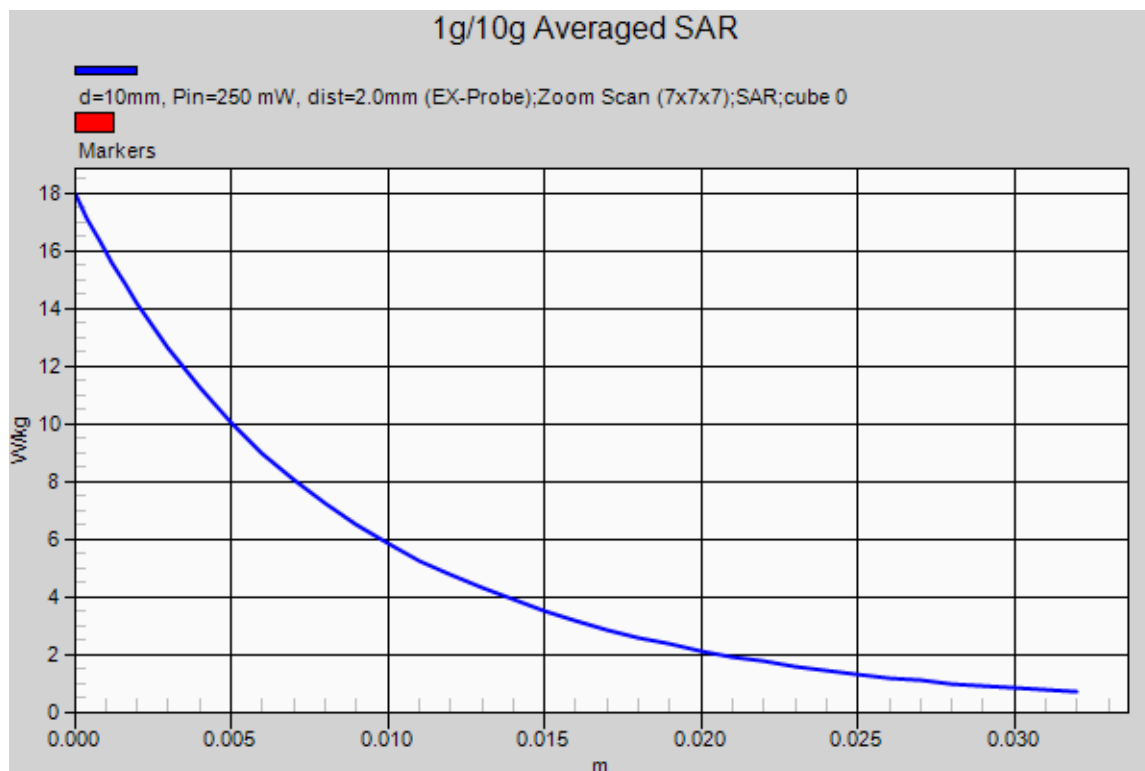
**Zoom Scan (7x7x7)/Cube 0:** Measurement grid:  $dx=5\text{mm}$ ,  $dy=5\text{mm}$ ,  $dz=5\text{mm}$ 

Reference Value = 97.403 V/m; Power Drift = -0.01 dB

Peak SAR (extrapolated) = 18.0 W/kg

**SAR(1 g) = 9.93 W/kg; SAR(10 g) = 5.24 W/kg**

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



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

Communication System: CW; Frequency: 1900MHz

Medium parameters used:  $f=1900\text{MHz}$ ,  $\sigma=1.524\text{S/m}$ ,  $\epsilon_r=52.572$ ;  $\rho=1000\text{kg/m}^3$

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

DASY52 52.8.7(1137);

Test date: 2014-4-14; Ambient Temp: 21.7; Tissue Temp: 21.0

**1900 MHz System Verification**

**Area Scan (5x7x1):** Measurement grid:  $dx=15\text{mm}$ ,  $dy=15\text{mm}$

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

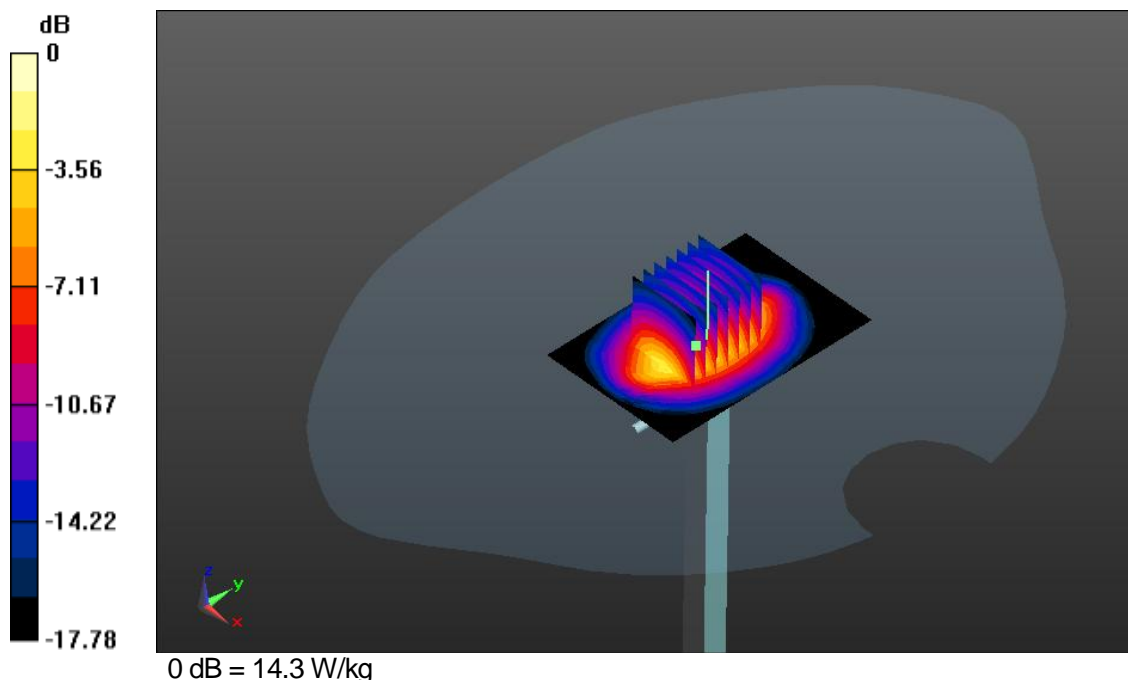
**Zoom Scan (7x7x7)/Cube 0:** Measurement grid:  $dx=5\text{mm}$ ,  $dy=5\text{mm}$ ,  $dz=5\text{mm}$

Reference Value = 100.4 V/m; Power Drift = -0.01 dB

Peak SAR (extrapolated) = 18.3 W/kg

**SAR(1 g) = 9.99 W/kg; SAR(10 g) = 5.21 W/kg**

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



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

Communication System: CW; Frequency: 1900MHz

Medium parameters used:  $f=1900\text{MHz}$ ,  $\sigma=1.524\text{S/m}$ ,  $\epsilon_r=52.572$ ;  $\rho=1000\text{kg/m}^3$ 

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

DASY52 52.8.7(1137);

Test date: 2014-4-14; Ambient Temp: 21.7; Tissue Temp: 21.0

**1900 MHz System Verification****Area Scan (5x7x1):** Measurement grid:  $dx=15\text{mm}$ ,  $dy=15\text{mm}$ 

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

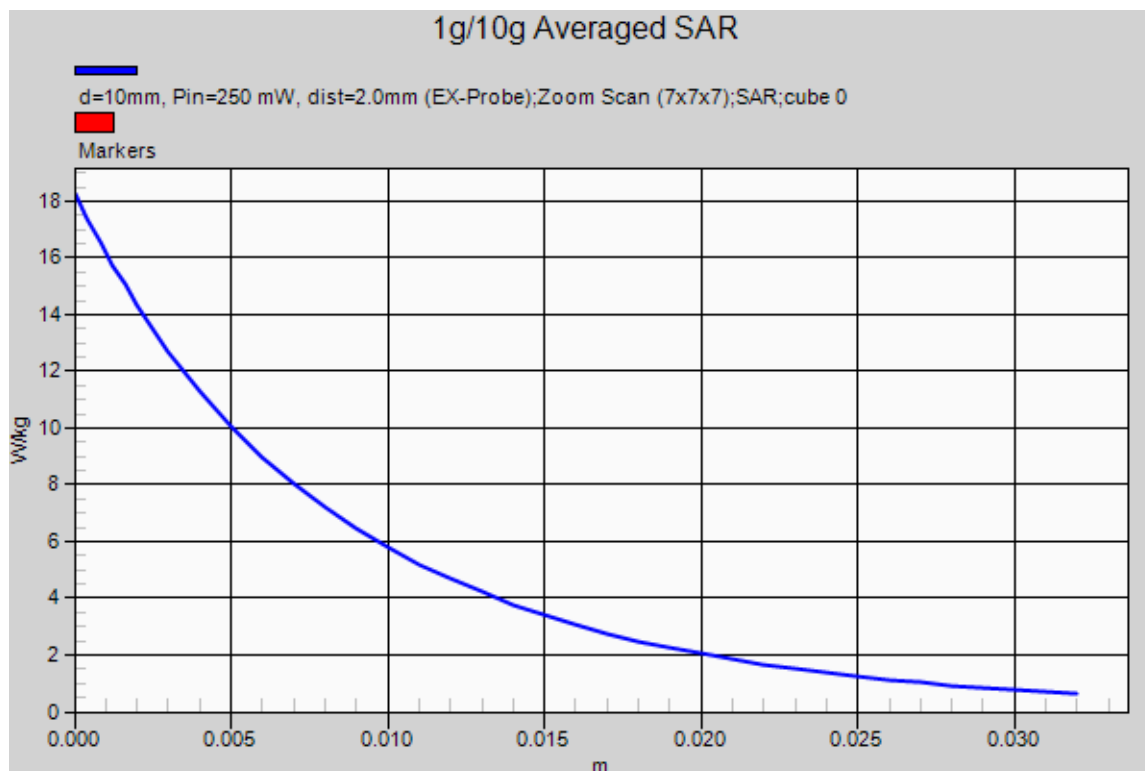
**Zoom Scan (7x7x7)/Cube 0:** Measurement grid:  $dx=5\text{mm}$ ,  $dy=5\text{mm}$ ,  $dz=5\text{mm}$ 

Reference Value = 100.4 V/m; Power Drift = -0.01 dB

Peak SAR (extrapolated) = 18.3 W/kg

**SAR(1 g) = 9.99 W/kg; SAR(10 g) = 5.21 W/kg**

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



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

Communication System: CW; Frequency: 1900MHz

Medium parameters used:  $f=1900\text{MHz}$ ,  $\sigma=1.564\text{S/m}$ ,  $\epsilon_r=51.671$ ;  $\rho=1000\text{kg/m}^3$

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

DASY52 52.8.7(1137);

Test date: 2014-5-4; Ambient Temp: 23.6; Tissue Temp: 22.4

### 1900 MHz System Verification

**Area Scan (5x7x1):** Measurement grid:  $dx=15\text{mm}$ ,  $dy=15\text{mm}$

Maximum value of SAR (measured) = 14.4 W/kg

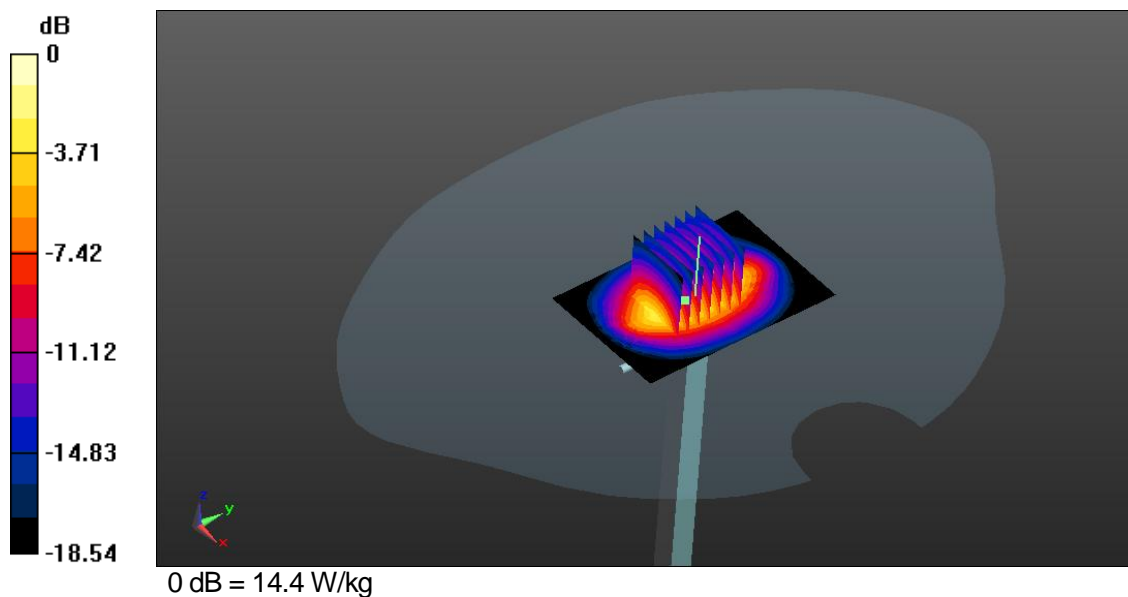
**Zoom Scan (7x7x7)/Cube 0:** Measurement grid:  $dx=5\text{mm}$ ,  $dy=5\text{mm}$ ,  $dz=5\text{mm}$

Reference Value = 97.592 V/m; Power Drift = 0.04 dB

Peak SAR (extrapolated) = 18.6 W/kg

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

Maximum value of SAR (measured) = 14.4 W/kg



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

Communication System: CW; Frequency: 1900MHz

Medium parameters used:  $f=1900\text{MHz}$ ,  $\sigma=1.564\text{S/m}$ ,  $\epsilon_r=51.671$ ;  $\rho=1000\text{kg/m}^3$ 

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

DASY52 52.8.7(1137);

Test date: 2014-5-4; Ambient Temp: 23.6; Tissue Temp: 22.4

**1900 MHz System Verification****Area Scan (5x7x1):** Measurement grid:  $dx=15\text{mm}$ ,  $dy=15\text{mm}$ 

Maximum value of SAR (measured) = 14.4 W/kg

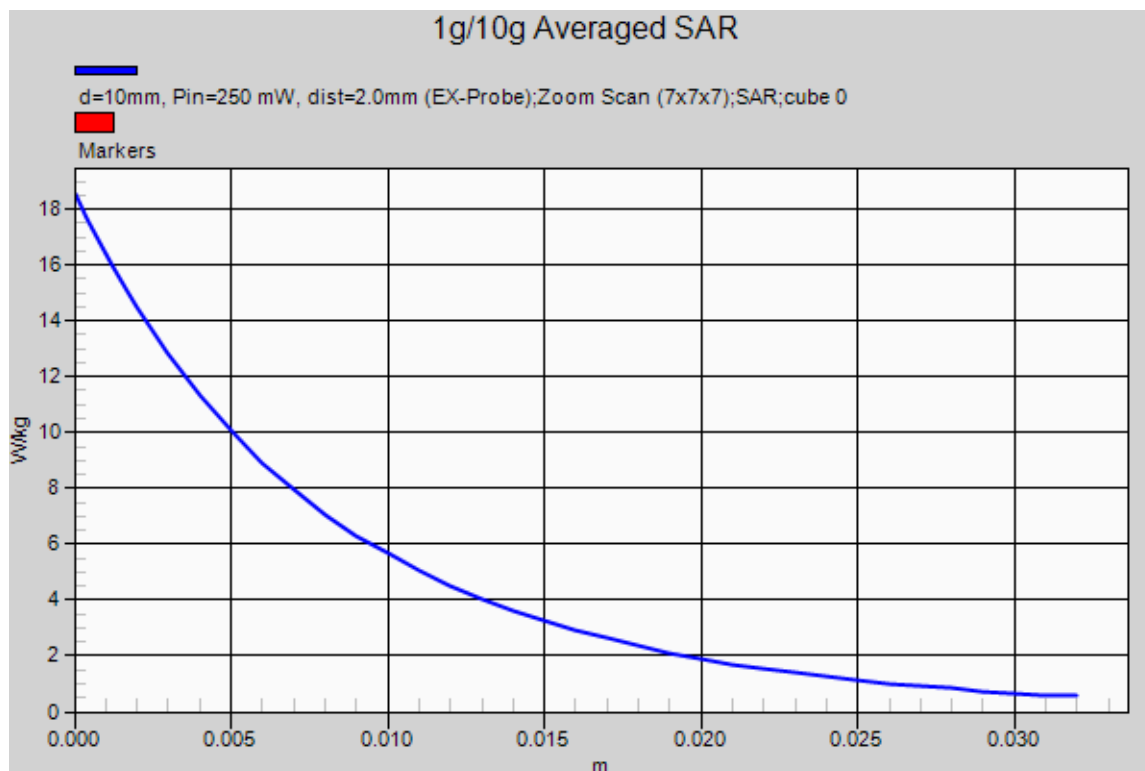
**Zoom Scan (7x7x7)/Cube 0:** Measurement grid:  $dx=5\text{mm}$ ,  $dy=5\text{mm}$ ,  $dz=5\text{mm}$ 

Reference Value = 97.592 V/m; Power Drift = 0.04 dB

Peak SAR (extrapolated) = 18.6 W/kg

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

Maximum value of SAR (measured) = 14.4 W/kg





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

Communication System: CW; Frequency: 2450MHz

Medium parameters used:  $f=2450\text{MHz}$ ,  $\sigma=1.867\text{S/m}$ ,  $\epsilon_r=37.81$ ;  $\rho=1000\text{kg/m}^3$

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

DASY52 52.8.7(1137);

Test date: 2014-4-10; Ambient Temp: 23.4; Tissue Temp: 21.7

### 2450 MHz System Verification

**Area Scan (5x7x1):** Measurement grid:  $dx=15\text{mm}$ ,  $dy=15\text{mm}$

Maximum value of SAR (measured) = 21.7 W/kg

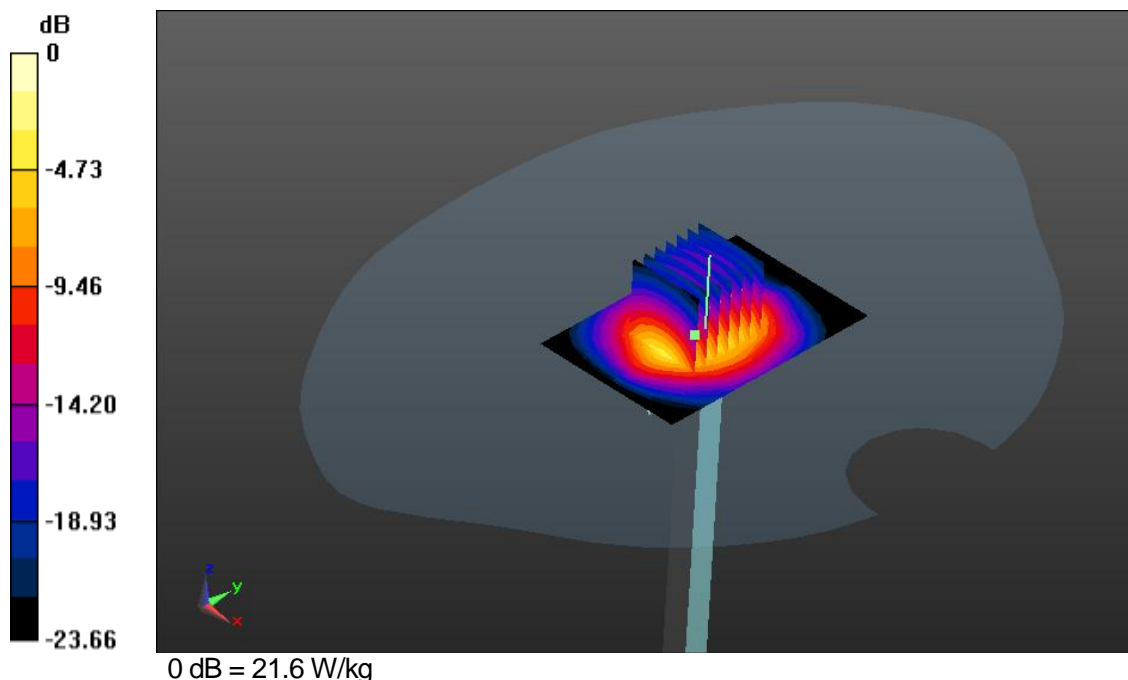
**Zoom Scan (7x7x7)/Cube 0:** Measurement grid:  $dx=5\text{mm}$ ,  $dy=5\text{mm}$ ,  $dz=5\text{mm}$

Reference Value = 109.9 V/m; Power Drift = 0.00 dB

Peak SAR (extrapolated) = 30.0 W/kg

**SAR(1 g) = 14 W/kg; SAR(10 g) = 6.42 W/kg**

Maximum value of SAR (measured) = 21.6 W/kg



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

Communication System: CW; Frequency: 2450MHz

Medium parameters used:  $f=2450\text{MHz}$ ,  $\sigma=1.867\text{S/m}$ ,  $\epsilon_r=37.81$ ;  $\rho=1000\text{kg/m}^3$ 

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

DASY52 52.8.7(1137);

Test date: 2014-4-10; Ambient Temp: 23.4; Tissue Temp: 21.7

**2450 MHz System Verification****Area Scan (5x7x1):** Measurement grid:  $dx=15\text{mm}$ ,  $dy=15\text{mm}$ 

Maximum value of SAR (measured) = 21.7 W/kg

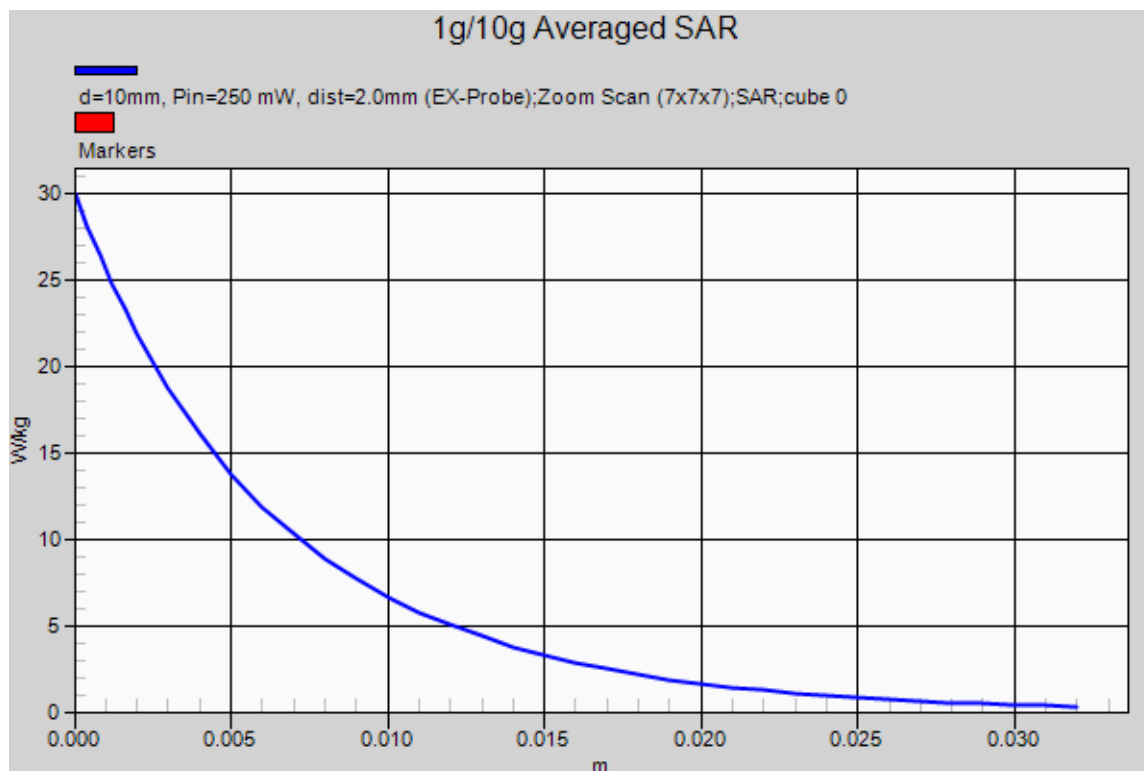
**Zoom Scan (7x7x7)/Cube 0:** Measurement grid:  $dx=5\text{mm}$ ,  $dy=5\text{mm}$ ,  $dz=5\text{mm}$ 

Reference Value = 109.9 V/m; Power Drift = 0.00 dB

Peak SAR (extrapolated) = 30.0 W/kg

**SAR(1 g) = 14 W/kg; SAR(10 g) = 6.42 W/kg**

Maximum value of SAR (measured) = 21.6 W/kg



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

Communication System: CW; Frequency: 2450MHz

Medium parameters used:  $f=2450\text{MHz}$ ,  $\sigma=1.972\text{S/m}$ ,  $\epsilon_r=50.702$ ;  $\rho=1000\text{kg/m}^3$

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

DASY52 52.8.7(1137);

Test date: 2014-4-11; Ambient Temp: 23.8; Tissue Temp: 22.0

### 2450 MHz System Verification

**Area Scan (5x7x1):** Measurement grid:  $dx=15\text{mm}$ ,  $dy=15\text{mm}$

Maximum value of SAR (measured) = 21.2 W/kg

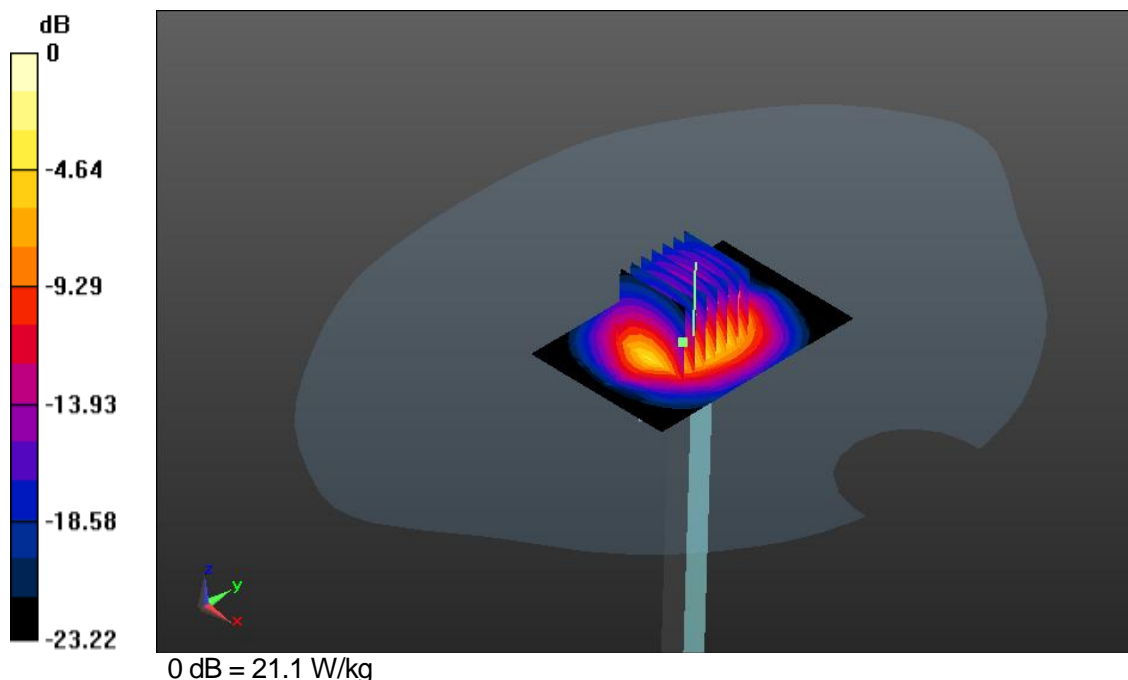
**Zoom Scan (7x7x7)/Cube 0:** Measurement grid:  $dx=5\text{mm}$ ,  $dy=5\text{mm}$ ,  $dz=5\text{mm}$

Reference Value = 104.4 V/m; Power Drift = 0.00 dB

Peak SAR (extrapolated) = 29.0 W/kg

**SAR(1 g) = 13.9 W/kg; SAR(10 g) = 6.38 W/kg**

Maximum value of SAR (measured) = 21.1 W/kg



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

Communication System: CW; Frequency: 2450MHz

Medium parameters used:  $f=2450\text{MHz}$ ,  $\sigma=1.972\text{S/m}$ ,  $\epsilon_r=50.702$ ;  $\rho=1000\text{kg/m}^3$ 

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

DASY52 52.8.7(1137);

Test date: 2014-4-11; Ambient Temp: 23.8; Tissue Temp: 22.0

**2450 MHz System Verification****Area Scan (5x7x1):** Measurement grid:  $dx=15\text{mm}$ ,  $dy=15\text{mm}$ 

Maximum value of SAR (measured) = 21.2 W/kg

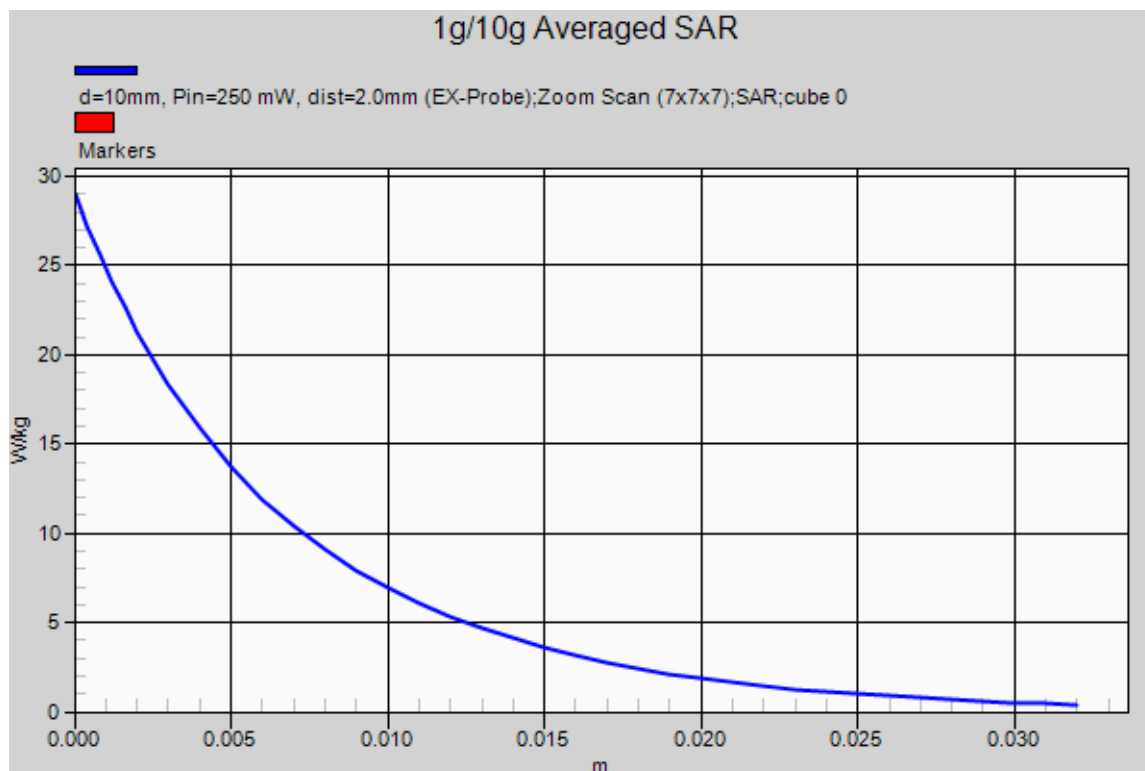
**Zoom Scan (7x7x7)/Cube 0:** Measurement grid:  $dx=5\text{mm}$ ,  $dy=5\text{mm}$ ,  $dz=5\text{mm}$ 

Reference Value = 104.4 V/m; Power Drift = 0.00 dB

Peak SAR (extrapolated) = 29.0 W/kg

**SAR(1 g) = 13.9 W/kg; SAR(10 g) = 6.38 W/kg**

Maximum value of SAR (measured) = 21.1 W/kg



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

Communication System: CW; Frequency: 5200MHz

Medium parameters used:  $f=5200\text{MHz}$ ,  $\sigma=4.52\text{S/m}$ ,  $\epsilon_r=34.754$ ;  $\rho=1000\text{kg/m}^3$

Phantom section: Flat section

**DASY Configuration**

Probe: EX3DV4 - SN3957; ConvF(4.94, 4.94, 4.94); 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

DASY52 52.8.7(1137);

Test date: 2014-4-7; Ambient Temp: 22.1; Tissue Temp: 22.0

**5200 MHz System Verification**

**Area Scan (4x5x1):** Measurement grid:  $dx=15\text{mm}$ ,  $dy=15\text{mm}$

Maximum value of SAR (measured) = 11.3 W/kg

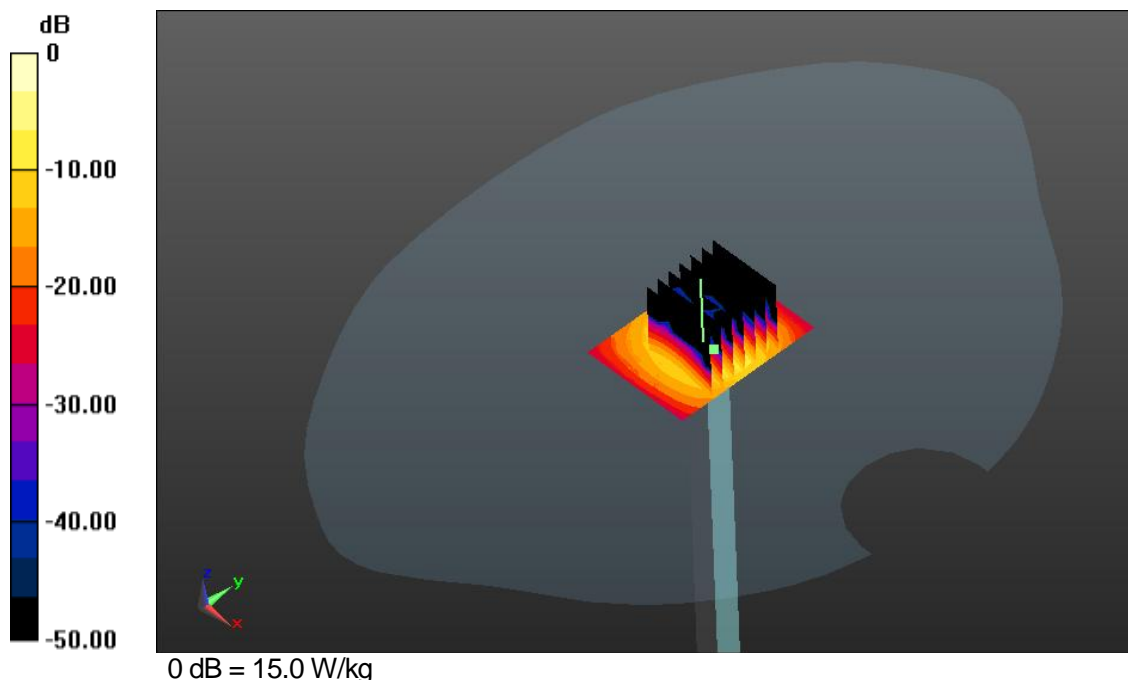
**Zoom Scan (7x7x7)/Cube 0:** Measurement grid:  $dx=5\text{mm}$ ,  $dy=5\text{mm}$ ,  $dz=5\text{mm}$

Reference Value = 64.058 V/m; Power Drift = -0.02 dB

Peak SAR (extrapolated) = 29.2 W/kg

**SAR(1 g) = 7.31 W/kg; SAR(10 g) = 2.07 W/kg**

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



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

Communication System: CW; Frequency: 5200MHz

Medium parameters used:  $f=5200\text{MHz}$ ,  $\sigma=4.52\text{S/m}$ ,  $\epsilon_r=34.754$ ;  $\rho=1000\text{kg/m}^3$ 

Phantom section: Flat section

**DASY Configuration**

Probe: EX3DV4 - SN3957; ConvF(4.94, 4.94, 4.94); 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

DASY52 52.8.7(1137);

Test date: 2014-4-7; Ambient Temp: 22.1; Tissue Temp: 22.0

**5200 MHz System Verification****Area Scan (4x5x1):** Measurement grid:  $dx=15\text{mm}$ ,  $dy=15\text{mm}$ 

Maximum value of SAR (measured) = 11.3 W/kg

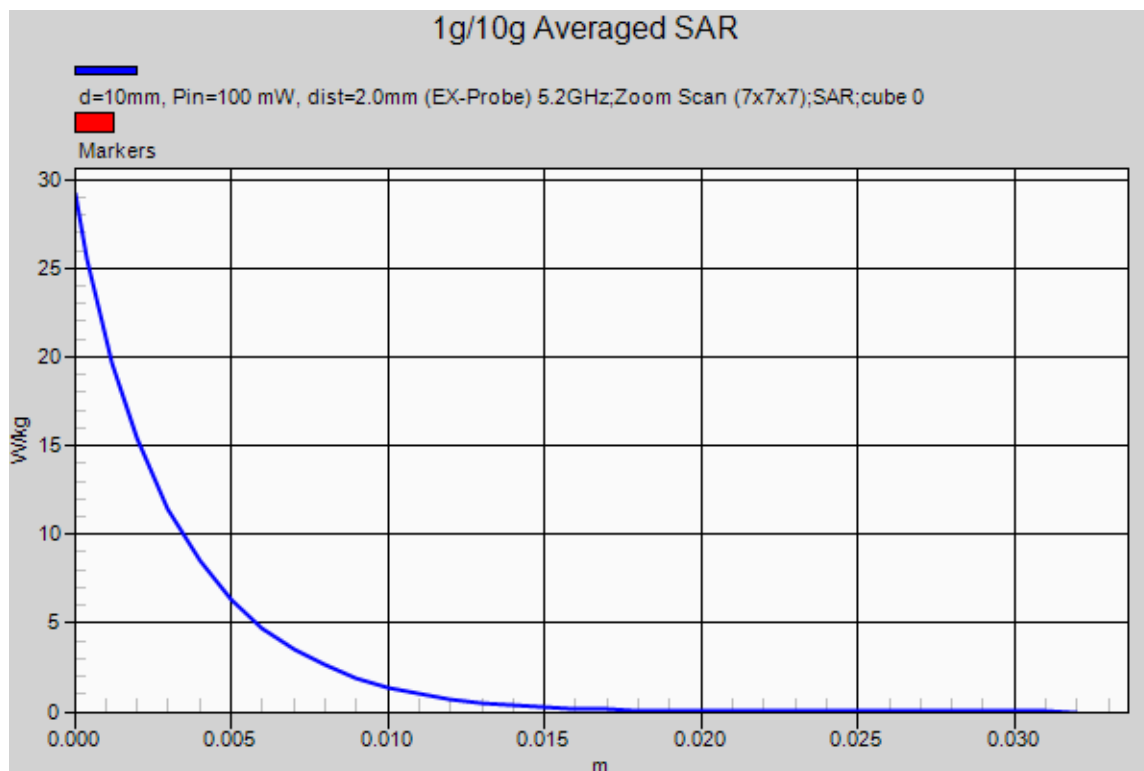
**Zoom Scan (7x7x7)/Cube 0:** Measurement grid:  $dx=5\text{mm}$ ,  $dy=5\text{mm}$ ,  $dz=5\text{mm}$ 

Reference Value = 64.058 V/m; Power Drift = -0.02 dB

Peak SAR (extrapolated) = 29.2 W/kg

**SAR(1 g) = 7.31 W/kg; SAR(10 g) = 2.07 W/kg**

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



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

Communication System: CW; Frequency: 5500MHz

Medium parameters used:  $f=5500\text{MHz}$ ,  $\sigma=4.785\text{S/m}$ ,  $\epsilon_r=34.307$ ;  $\rho=1000\text{kg/m}^3$

Phantom section: Flat section

### DASY Configuration

Probe: EX3DV4 - SN3957; ConvF(4.81, 4.81, 4.81); 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

DASY52 52.8.7(1137);

Test date: 2014-4-7; Ambient Temp: 22.1; Tissue Temp: 22.0

### 5500 MHz System Verification

**Area Scan (4x5x1):** Measurement grid:  $dx=15\text{mm}$ ,  $dy=15\text{mm}$

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

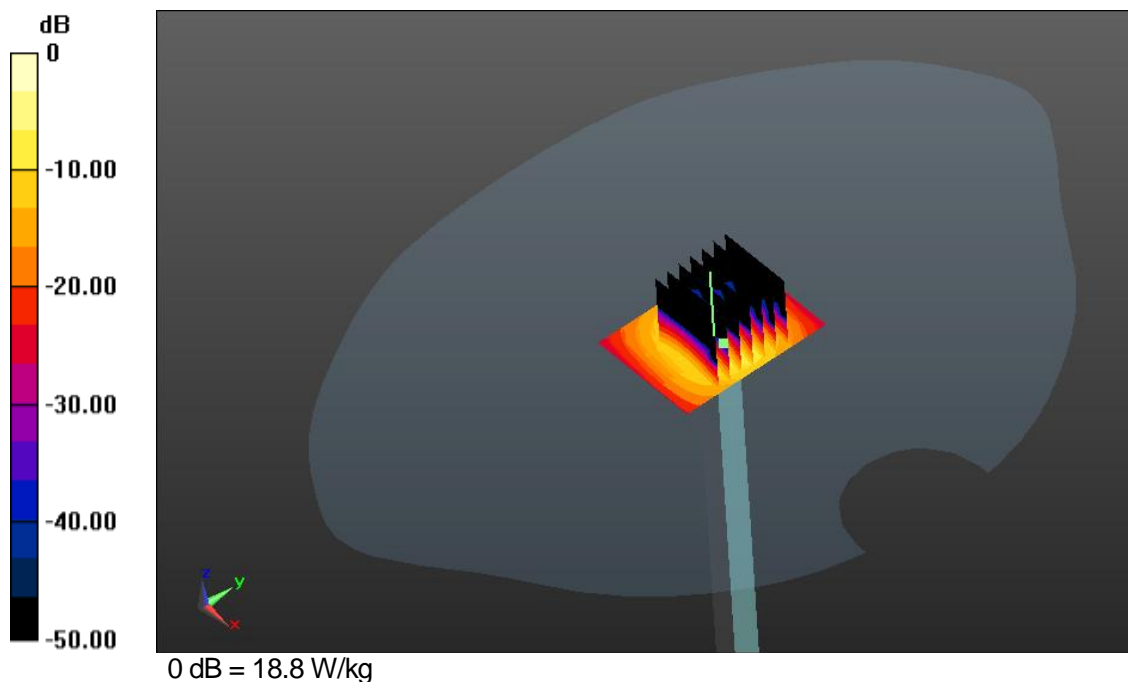
**Zoom Scan (7x7x7)/Cube 0:** Measurement grid:  $dx=5\text{mm}$ ,  $dy=5\text{mm}$ ,  $dz=5\text{mm}$

Reference Value = 74.410 V/m; Power Drift = -0.19 dB

Peak SAR (extrapolated) = 42.3 W/kg

**SAR(1 g) = 9.25 W/kg; SAR(10 g) = 2.59 W/kg**

Maximum value of SAR (measured) = 18.8 W/kg



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

Communication System: CW; Frequency: 5500MHz

Medium parameters used:  $f=5500\text{MHz}$ ,  $\sigma=4.785\text{S/m}$ ,  $\epsilon_r=34.307$ ;  $\rho=1000\text{kg/m}^3$

Phantom section: Flat section

### DASY Configuration

Probe: EX3DV4 - SN3957; ConvF(4.81, 4.81, 4.81); 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

DASY52 52.8.7(1137);

Test date: 2014-4-7; Ambient Temp: 22.1; Tissue Temp: 22.0

### 5500 MHz System Verification

**Area Scan (4x5x1):** Measurement grid:  $dx=15\text{mm}$ ,  $dy=15\text{mm}$

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

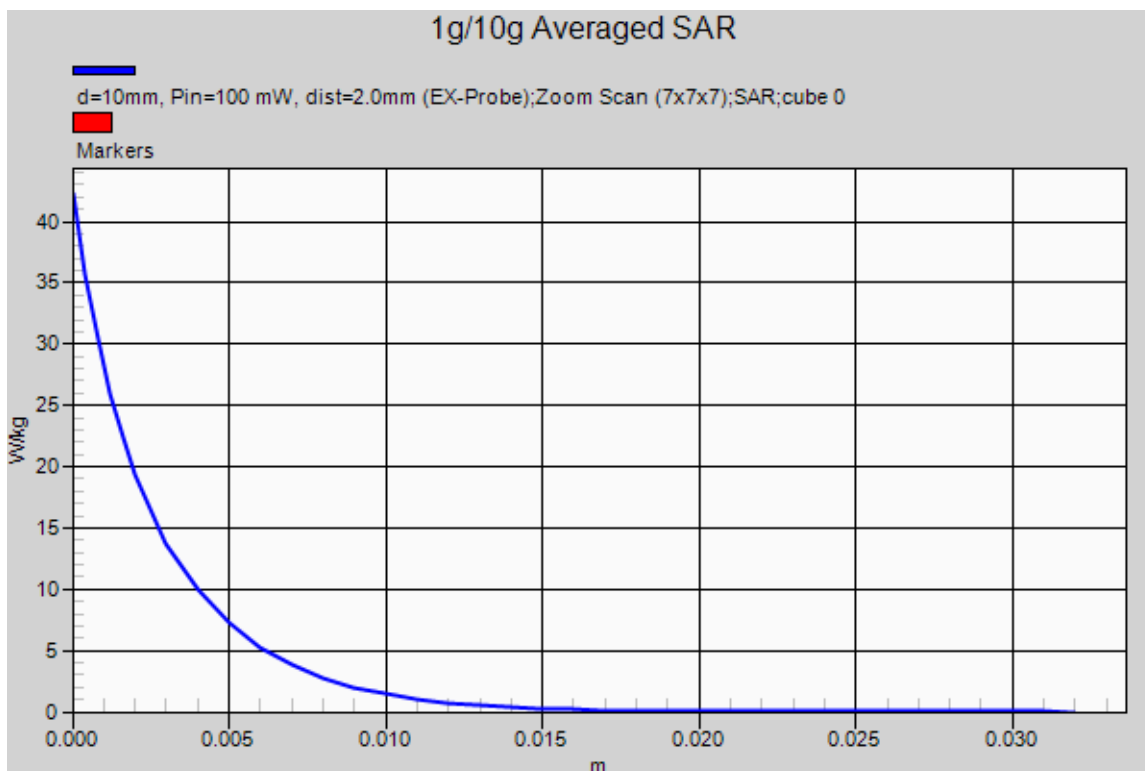
**Zoom Scan (7x7x7)/Cube 0:** Measurement grid:  $dx=5\text{mm}$ ,  $dy=5\text{mm}$ ,  $dz=5\text{mm}$

Reference Value = 74.410 V/m; Power Drift = -0.19 dB

Peak SAR (extrapolated) = 42.3 W/kg

**SAR(1 g) = 9.25 W/kg; SAR(10 g) = 2.59 W/kg**

Maximum value of SAR (measured) = 18.8 W/kg





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

Communication System: CW; Frequency: 5800MHz

Medium parameters used:  $f=5800\text{MHz}$ ,  $\sigma=5.053\text{S/m}$ ,  $\epsilon_r=33.911$ ;  $\rho=1000\text{kg/m}^3$

Phantom section: Flat section

**DASY Configuration**

Probe: EX3DV4 - SN3957; ConvF(4.68, 4.68, 4.68); 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

DASY52 52.8.7(1137);

Test date: 2014-4-7; Ambient Temp: 22.1; Tissue Temp: 22.0

**5800 MHz System Verification**

**Area Scan (4x5x1):** Measurement grid:  $dx=15\text{mm}$ ,  $dy=15\text{mm}$

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

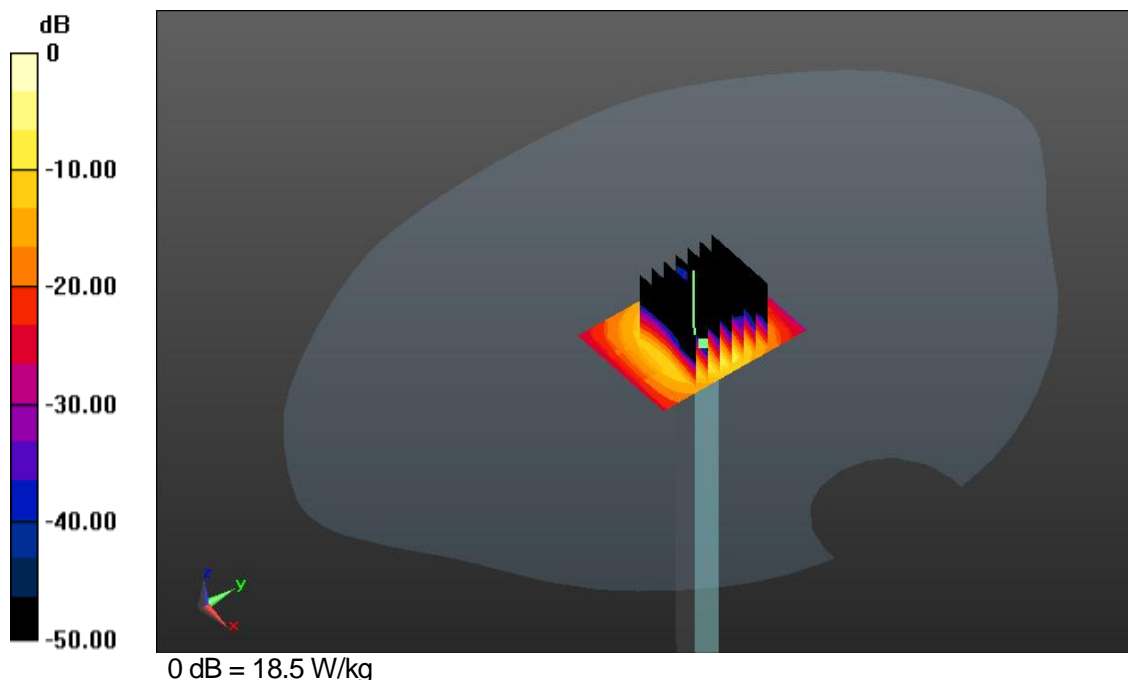
**Zoom Scan (7x7x7)/Cube 0:** Measurement grid:  $dx=5\text{mm}$ ,  $dy=5\text{mm}$ ,  $dz=5\text{mm}$

Reference Value = 68.128 V/m; Power Drift = -0.17 dB

Peak SAR (extrapolated) = 44.5 W/kg

**SAR(1 g) = 8.86 W/kg; SAR(10 g) = 2.45 W/kg**

Maximum value of SAR (measured) = 18.5 W/kg



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

Communication System: CW; Frequency: 5800MHz

Medium parameters used:  $f=5800\text{MHz}$ ,  $\sigma=5.053\text{S/m}$ ,  $\epsilon_r=33.911$ ;  $\rho=1000\text{kg/m}^3$ 

Phantom section: Flat section

**DASY Configuration**

Probe: EX3DV4 - SN3957; ConvF(4.68, 4.68, 4.68); 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

DASY52 52.8.7(1137);

Test date: 2014-4-7; Ambient Temp: 22.1; Tissue Temp: 22.0

**5800 MHz System Verification****Area Scan (4x5x1):** Measurement grid:  $dx=15\text{mm}$ ,  $dy=15\text{mm}$ 

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

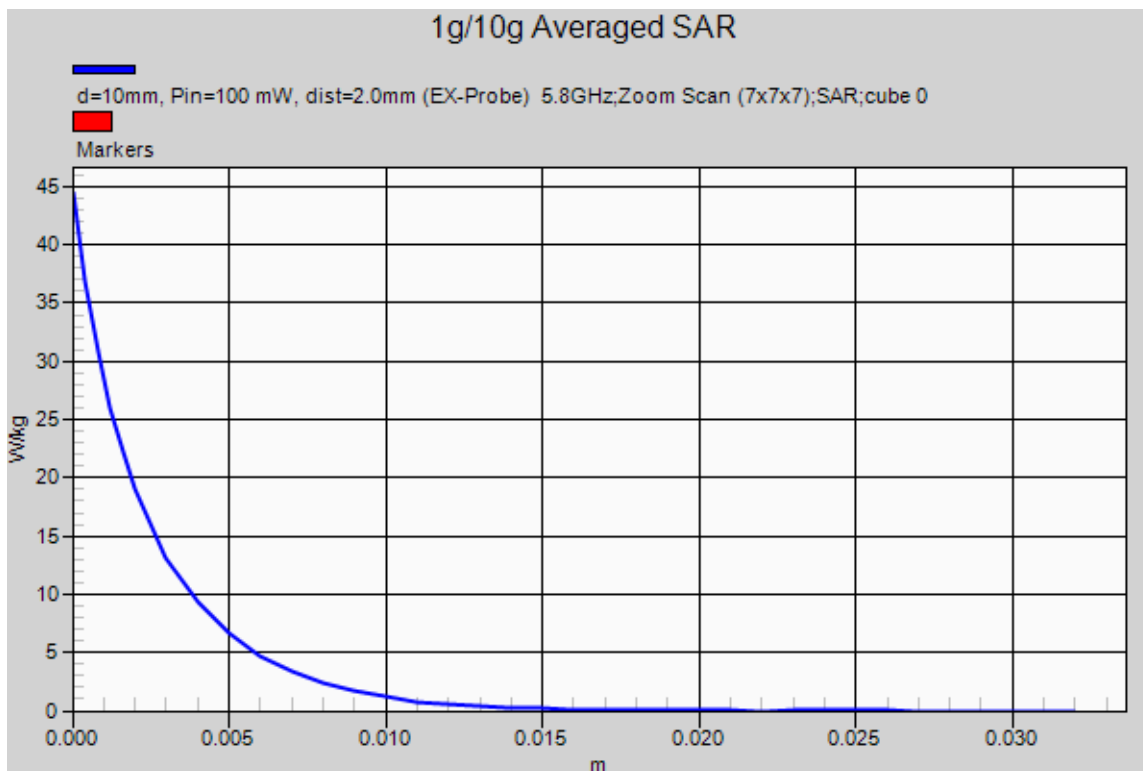
**Zoom Scan (7x7x7)/Cube 0:** Measurement grid:  $dx=5\text{mm}$ ,  $dy=5\text{mm}$ ,  $dz=5\text{mm}$ 

Reference Value = 68.128 V/m; Power Drift = -0.17 dB

Peak SAR (extrapolated) = 44.5 W/kg

**SAR(1 g) = 8.86 W/kg; SAR(10 g) = 2.45 W/kg**

Maximum value of SAR (measured) = 18.5 W/kg



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

Communication System: CW; Frequency: 5200MHz

Medium parameters used:  $f=5200\text{MHz}$ ,  $\sigma=4.618\text{S/m}$ ,  $\epsilon_r=35.039$ ;  $\rho=1000\text{kg/m}^3$

Phantom section: Flat section

### DASY Configuration

Probe: EX3DV4 - SN3957; ConvF(4.94, 4.94, 4.94); 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

DASY52 52.8.7(1137);

Test date: 2014-4-8; Ambient Temp: 26.2; Tissue Temp: 22.2

### 5200 MHz System Verification

**Area Scan (4x5x1):** Measurement grid:  $dx=15\text{mm}$ ,  $dy=15\text{mm}$

Maximum value of SAR (measured) = 13.3 W/kg

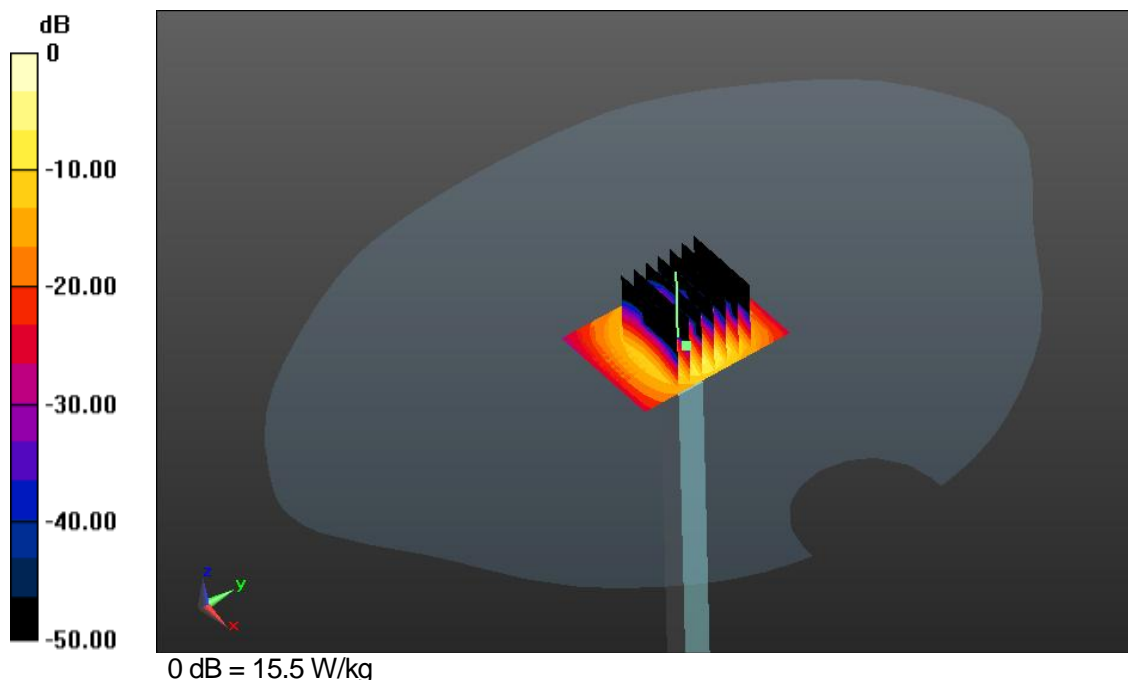
**Zoom Scan (7x7x7)/Cube 0:** Measurement grid:  $dx=5\text{mm}$ ,  $dy=5\text{mm}$ ,  $dz=5\text{mm}$

Reference Value = 66.855 V/m; Power Drift = -0.18 dB

Peak SAR (extrapolated) = 30.9 W/kg

**SAR(1 g) = 7.95 W/kg; SAR(10 g) = 2.29 W/kg**

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



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

Communication System: CW; Frequency: 5200MHz

Medium parameters used:  $f=5200\text{MHz}$ ,  $\sigma=4.618\text{S/m}$ ,  $\epsilon_r=35.039$ ;  $\rho=1000\text{kg/m}^3$

Phantom section: Flat section

### DASY Configuration

Probe: EX3DV4 - SN3957; ConvF(4.94, 4.94, 4.94); 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

DASY52 52.8.7(1137);

Test date: 2014-4-8; Ambient Temp: 26.2; Tissue Temp: 22.2

### 5200 MHz System Verification

**Area Scan (4x5x1):** Measurement grid:  $dx=15\text{mm}$ ,  $dy=15\text{mm}$

Maximum value of SAR (measured) = 13.3 W/kg

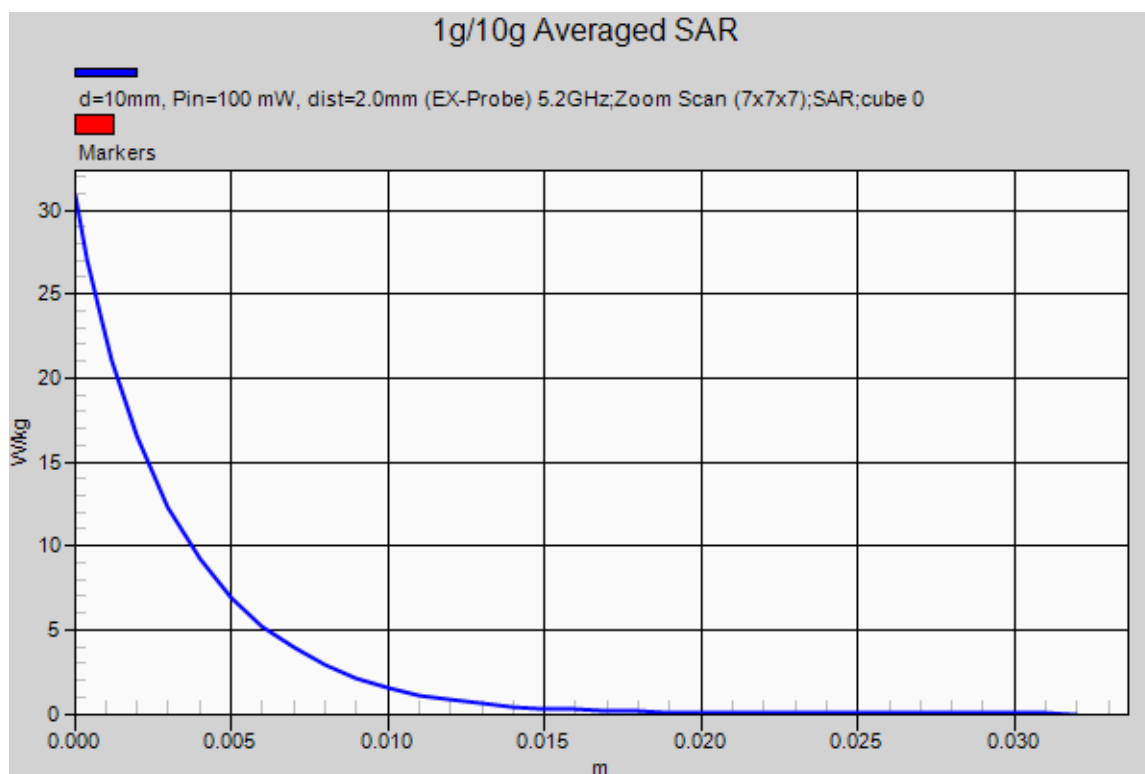
**Zoom Scan (7x7x7)/Cube 0:** Measurement grid:  $dx=5\text{mm}$ ,  $dy=5\text{mm}$ ,  $dz=5\text{mm}$

Reference Value = 66.855 V/m; Power Drift = -0.18 dB

Peak SAR (extrapolated) = 30.9 W/kg

**SAR(1 g) = 7.95 W/kg; SAR(10 g) = 2.29 W/kg**

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



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

Communication System: CW; Frequency: 5500MHz

Medium parameters used:  $f=5500\text{MHz}$ ,  $\sigma=4.893\text{S/m}$ ,  $\epsilon_r=34.572$ ;  $\rho=1000\text{kg/m}^3$

Phantom section: Flat section

### DASY Configuration

Probe: EX3DV4 - SN3957; ConvF(4.81, 4.81, 4.81); 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

DASY52 52.8.7(1137);

Test date: 2014-4-8; Ambient Temp: 26.2; Tissue Temp: 22.2

### 5500 MHz System Verification

**Area Scan (4x5x1):** Measurement grid:  $dx=15\text{mm}$ ,  $dy=15\text{mm}$

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

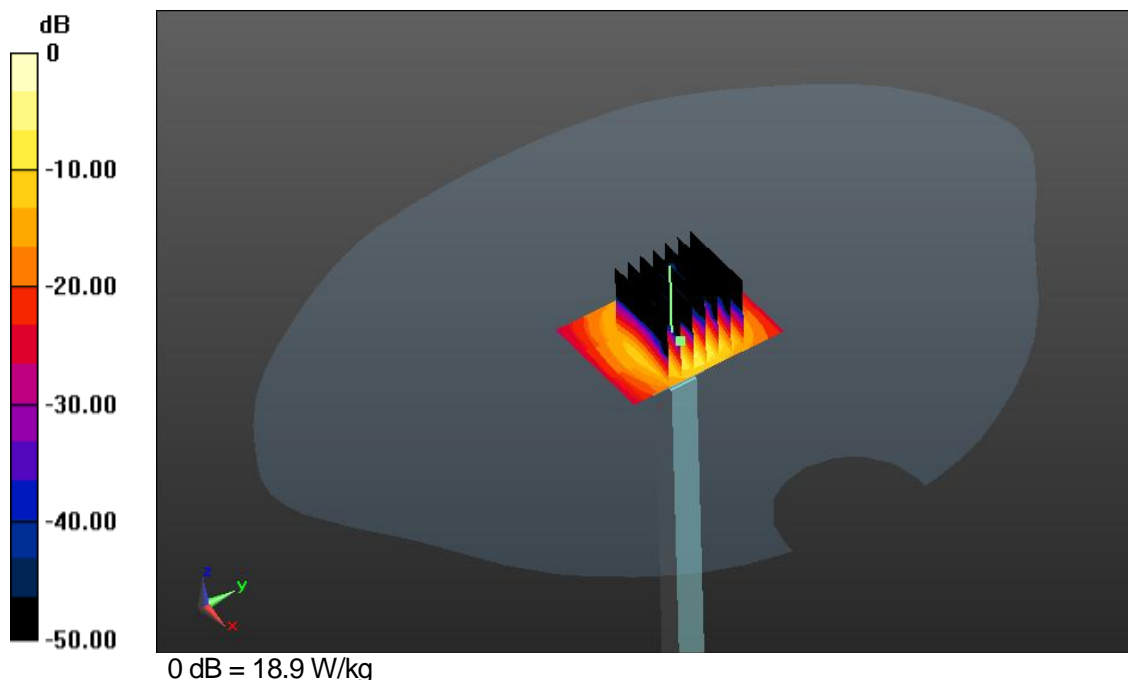
**Zoom Scan (7x7x7)/Cube 0:** Measurement grid:  $dx=5\text{mm}$ ,  $dy=5\text{mm}$ ,  $dz=5\text{mm}$

Reference Value = 65.619 V/m; Power Drift = 0.05 dB

Peak SAR (extrapolated) = 43.1 W/kg

**SAR(1 g) = 9.37 W/kg; SAR(10 g) = 2.62 W/kg**

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



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

Communication System: CW; Frequency: 5500MHz

Medium parameters used:  $f=5500\text{MHz}$ ,  $\sigma=4.893\text{S/m}$ ,  $\epsilon_r=34.572$ ;  $\rho=1000\text{kg/m}^3$

Phantom section: Flat section

### DASY Configuration

Probe: EX3DV4 - SN3957; ConvF(4.81, 4.81, 4.81); 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

DASY52 52.8.7(1137);

Test date: 2014-4-8; Ambient Temp: 26.2; Tissue Temp: 22.2

### 5500 MHz System Verification

**Area Scan (4x5x1):** Measurement grid:  $dx=15\text{mm}$ ,  $dy=15\text{mm}$

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

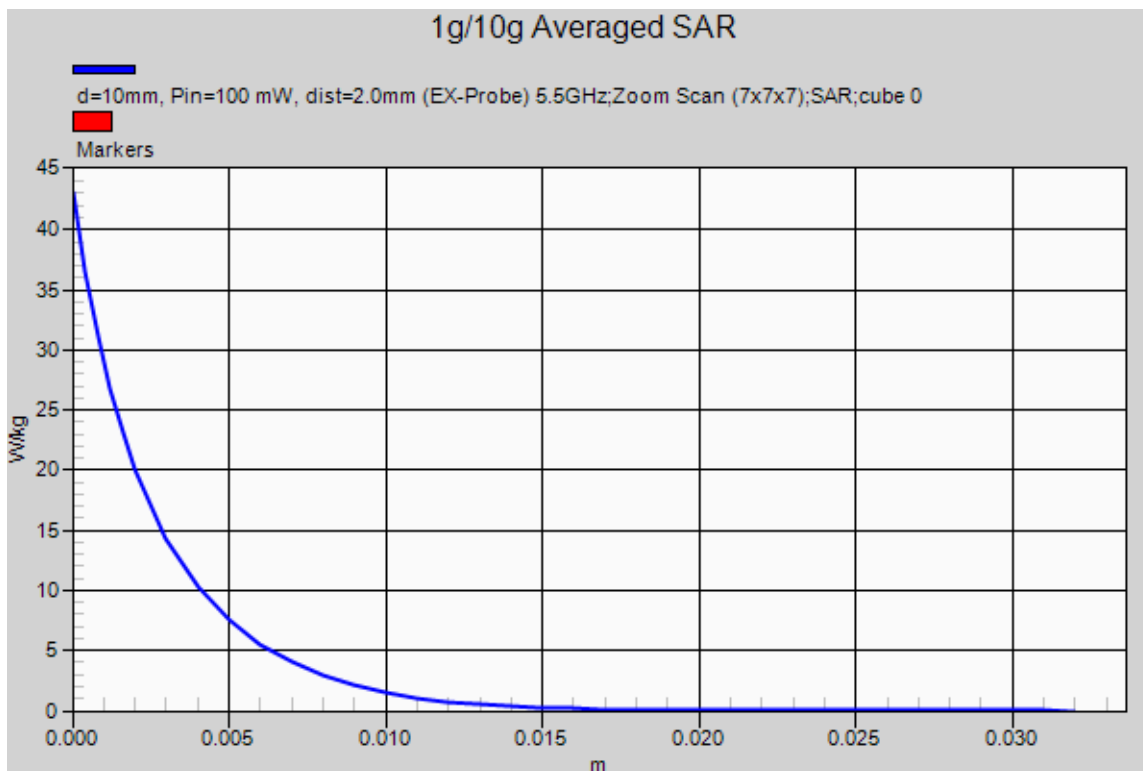
**Zoom Scan (7x7x7)/Cube 0:** Measurement grid:  $dx=5\text{mm}$ ,  $dy=5\text{mm}$ ,  $dz=5\text{mm}$

Reference Value = 65.619 V/m; Power Drift = 0.05 dB

Peak SAR (extrapolated) = 43.1 W/kg

**SAR(1 g) = 9.37 W/kg; SAR(10 g) = 2.62 W/kg**

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



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

Communication System: CW; Frequency: 5800MHz

Medium parameters used:  $f=5800\text{MHz}$ ,  $\sigma=5.115\text{S/m}$ ,  $\epsilon_r=34.411$ ;  $\rho=1000\text{kg/m}^3$

Phantom section: Flat section

### DASY Configuration

Probe: EX3DV4 - SN3957; ConvF(4.52, 4.52, 4.52); 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

DASY52 52.8.7(1137);

Test date: 2014-4-8; Ambient Temp: 26.2; Tissue Temp: 22.2

### 5800 MHz System Verification

**Area Scan (4x5x1):** Measurement grid:  $dx=15\text{mm}$ ,  $dy=15\text{mm}$

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

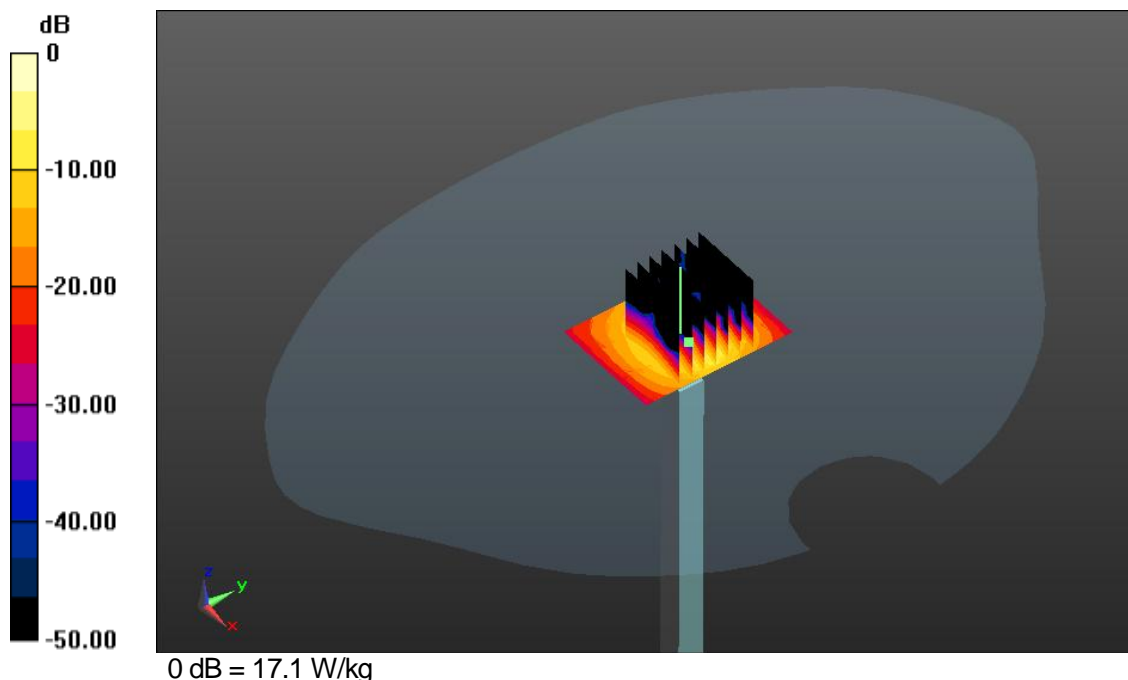
**Zoom Scan (7x7x7)/Cube 0:** Measurement grid:  $dx=5\text{mm}$ ,  $dy=5\text{mm}$ ,  $dz=5\text{mm}$

Reference Value = 65.987 V/m; Power Drift = -0.17 dB

Peak SAR (extrapolated) = 40.7 W/kg

**SAR(1 g) = 8.43 W/kg; SAR(10 g) = 2.36 W/kg**

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



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

Communication System: CW; Frequency: 5800MHz

Medium parameters used:  $f=5800\text{MHz}$ ,  $\sigma=5.115\text{S/m}$ ,  $\epsilon_r=34.411$ ;  $\rho=1000\text{kg/m}^3$

Phantom section: Flat section

**DASY Configuration**

Probe: EX3DV4 - SN3957; ConvF(4.52, 4.52, 4.52); 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

DASY52 52.8.7(1137);

Test date: 2014-4-8; Ambient Temp: 26.2; Tissue Temp: 22.2

**5800 MHz System Verification**

**Area Scan (4x5x1):** Measurement grid:  $dx=15\text{mm}$ ,  $dy=15\text{mm}$

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

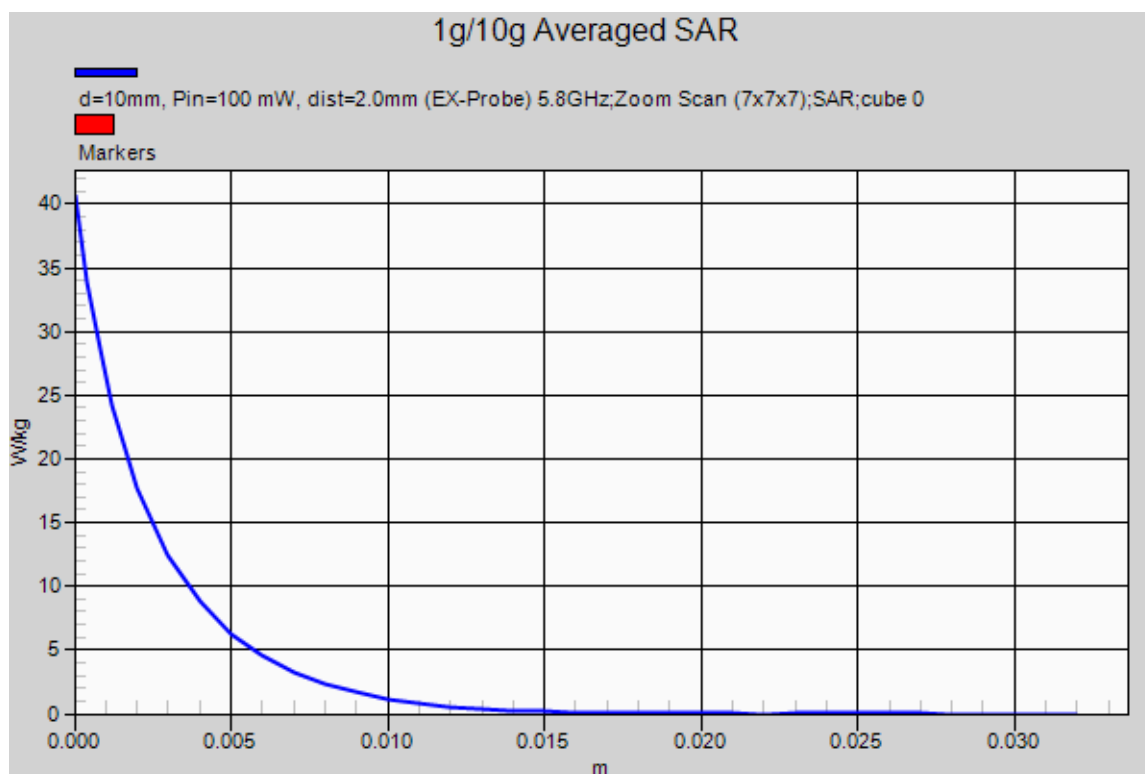
**Zoom Scan (7x7x7)/Cube 0:** Measurement grid:  $dx=5\text{mm}$ ,  $dy=5\text{mm}$ ,  $dz=5\text{mm}$

Reference Value = 65.987 V/m; Power Drift = -0.17 dB

Peak SAR (extrapolated) = 40.7 W/kg

**SAR(1 g) = 8.43 W/kg; SAR(10 g) = 2.36 W/kg**

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





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

Communication System: CW; Frequency: 5200MHz

Medium parameters used:  $f=5200\text{MHz}$ ,  $\sigma=5.385\text{S/m}$ ,  $\epsilon_r=47.924$ ;  $\rho=1000\text{kg/m}^3$

Phantom section: Flat section

**DASY Configuration**

Probe: EX3DV4 - SN3957; ConvF(4.48, 4.48, 4.48); 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

DASY52 52.8.7(1137);

Test date: 2014-4-9; Ambient Temp: 23.1; Tissue Temp: 22.7

**5200 MHz System Verification**

**Area Scan (4x5x1):** Measurement grid:  $dx=15\text{mm}$ ,  $dy=15\text{mm}$

Maximum value of SAR (measured) = 11.5 W/kg

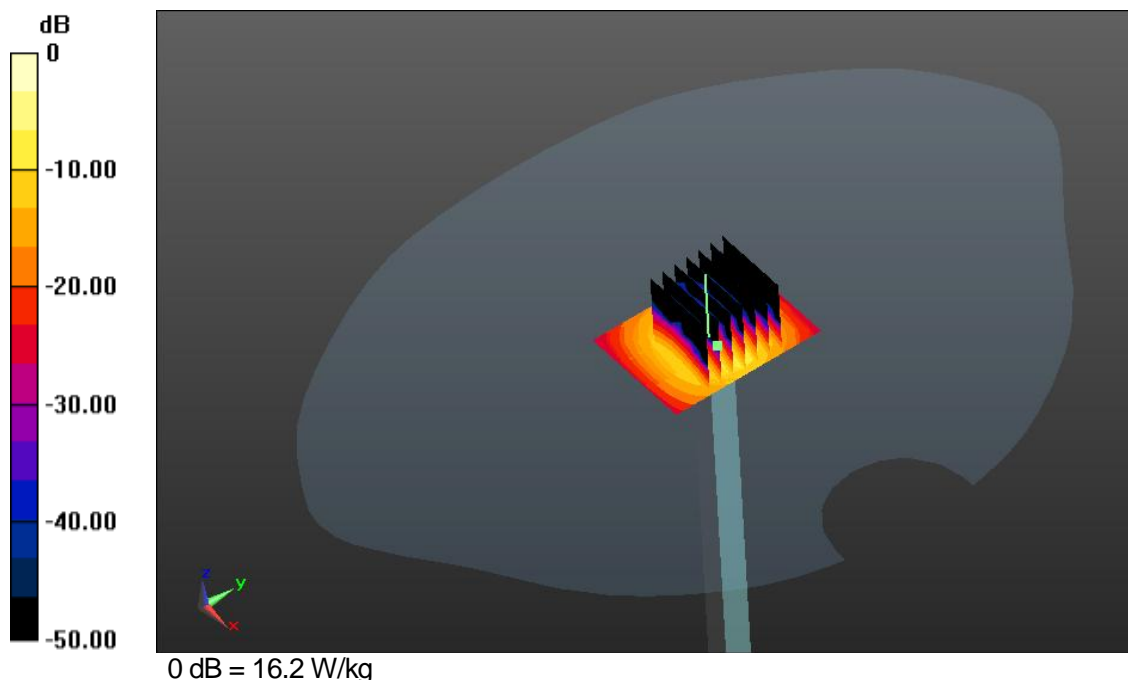
**Zoom Scan (7x7x7)/Cube 0:** Measurement grid:  $dx=5\text{mm}$ ,  $dy=5\text{mm}$ ,  $dz=5\text{mm}$

Reference Value = 59.564 V/m; Power Drift = 0.17 dB

Peak SAR (extrapolated) = 33.1 W/kg

**SAR(1 g) = 8.05 W/kg; SAR(10 g) = 2.28 W/kg**

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



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

Communication System: CW; Frequency: 5200MHz

Medium parameters used:  $f=5200\text{MHz}$ ,  $\sigma=5.385\text{S/m}$ ,  $\epsilon_r=47.924$ ;  $\rho=1000\text{kg/m}^3$ 

Phantom section: Flat section

**DASY Configuration**

Probe: EX3DV4 - SN3957; ConvF(4.48, 4.48, 4.48); 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

DASY52 52.8.7(1137);

Test date: 2014-4-9; Ambient Temp: 23.1; Tissue Temp: 22.7

**5200 MHz System Verification****Area Scan (4x5x1):** Measurement grid:  $dx=15\text{mm}$ ,  $dy=15\text{mm}$ 

Maximum value of SAR (measured) = 11.5 W/kg

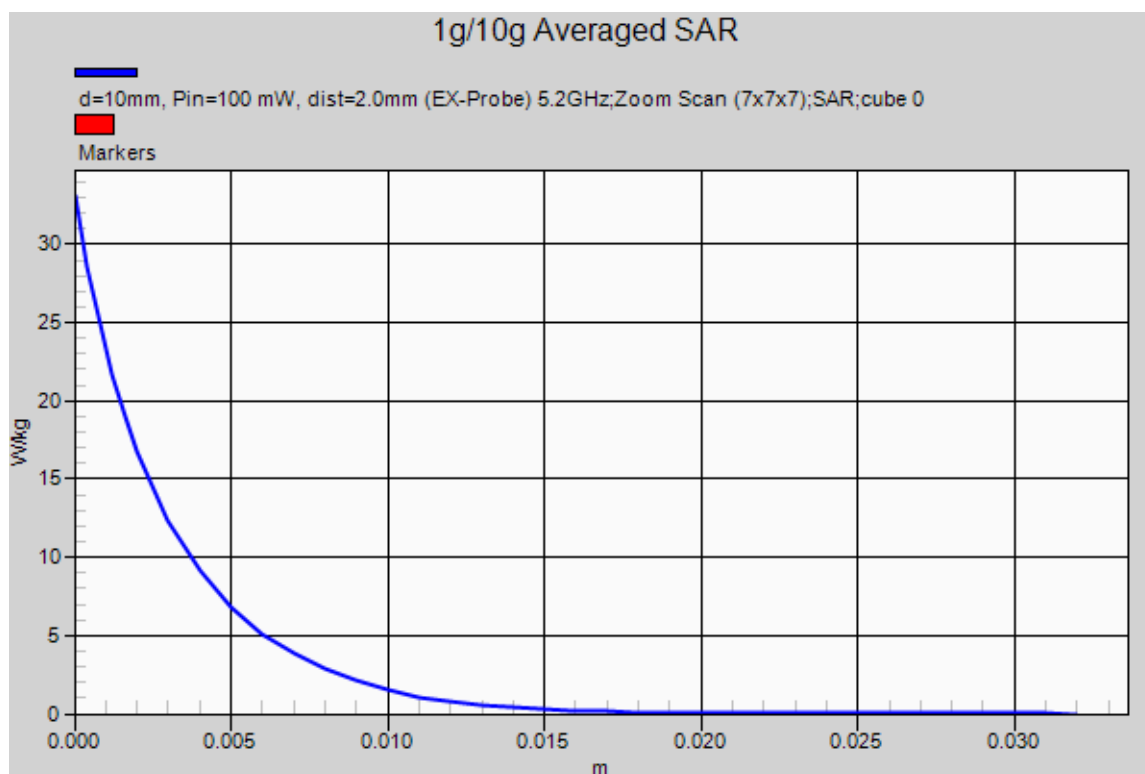
**Zoom Scan (7x7x7)/Cube 0:** Measurement grid:  $dx=5\text{mm}$ ,  $dy=5\text{mm}$ ,  $dz=5\text{mm}$ 

Reference Value = 59.564 V/m; Power Drift = 0.17 dB

Peak SAR (extrapolated) = 33.1 W/kg

**SAR(1 g) = 8.05 W/kg; SAR(10 g) = 2.28 W/kg**

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



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

Communication System: CW; Frequency: 5500MHz

Medium parameters used:  $f=5500\text{MHz}$ ,  $\sigma=5.774\text{S/m}$ ,  $\epsilon_r=47.438$ ;  $\rho=1000\text{kg/m}^3$

Phantom section: Flat section

**DASY Configuration**

Probe: EX3DV4 - SN3957; ConvF(4.48, 4.48, 4.48); 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

DASY52 52.8.7(1137);

Test date: 2014-4-9; Ambient Temp: 23.1; Tissue Temp: 22.7

**5500 MHz System Verification**

**Area Scan (4x5x1):** Measurement grid:  $dx=15\text{mm}$ ,  $dy=15\text{mm}$

Maximum value of SAR (measured) = 12.1 W/kg

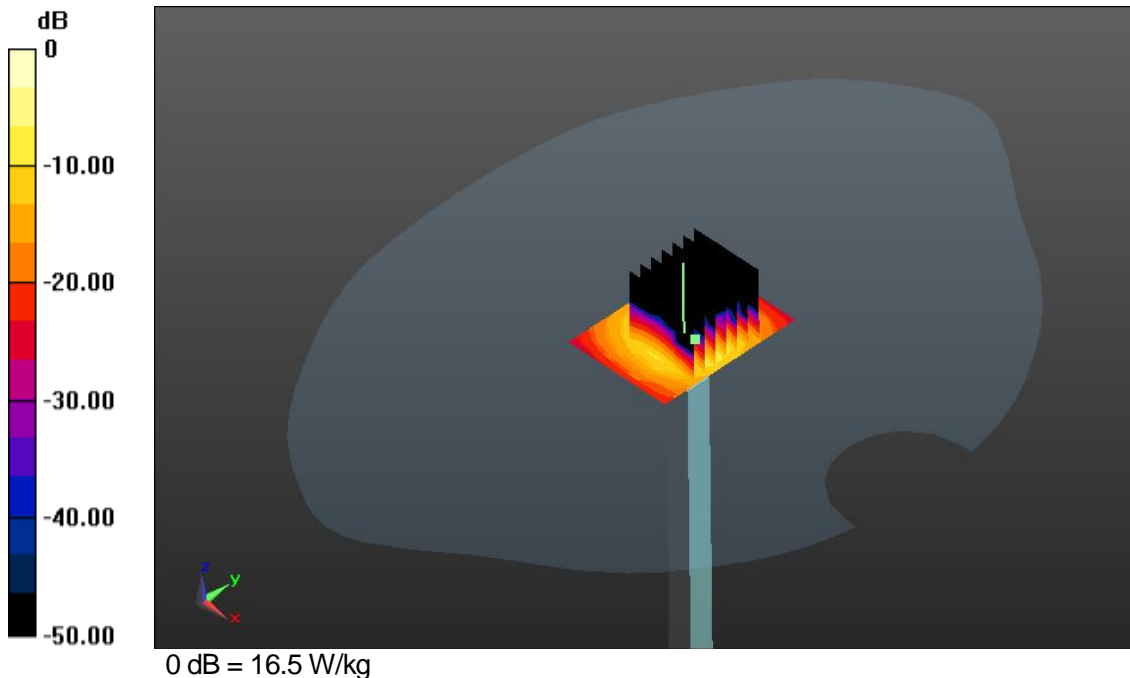
**Zoom Scan (7x7x7)/Cube 0:** Measurement grid:  $dx=5\text{mm}$ ,  $dy=5\text{mm}$ ,  $dz=5\text{mm}$

Reference Value = 59.336 V/m; Power Drift = -0.04 dB

Peak SAR (extrapolated) = 35.8 W/kg

**SAR(1 g) = 8.07 W/kg; SAR(10 g) = 2.26 W/kg**

Maximum value of SAR (measured) = 16.5 W/kg



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

Communication System: CW; Frequency: 5500MHz

Medium parameters used:  $f=5500\text{MHz}$ ,  $\sigma=5.774\text{S/m}$ ,  $\epsilon_r=47.438$ ;  $\rho=1000\text{kg/m}^3$ 

Phantom section: Flat section

**DASY Configuration**

Probe: EX3DV4 - SN3957; ConvF(4.48, 4.48, 4.48); 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

DASY52 52.8.7(1137);

Test date: 2014-4-9; Ambient Temp: 23.1; Tissue Temp: 22.7

**5500 MHz System Verification****Area Scan (4x5x1):** Measurement grid:  $dx=15\text{mm}$ ,  $dy=15\text{mm}$ 

Maximum value of SAR (measured) = 12.1 W/kg

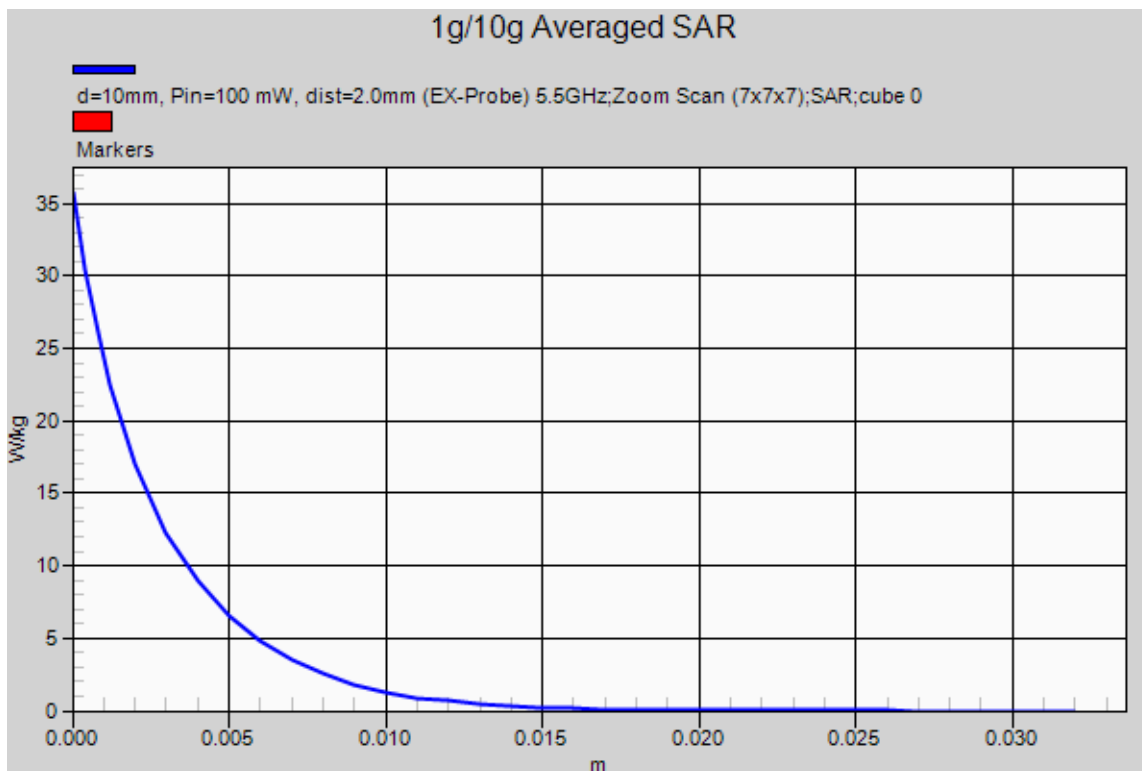
**Zoom Scan (7x7x7)/Cube 0:** Measurement grid:  $dx=5\text{mm}$ ,  $dy=5\text{mm}$ ,  $dz=5\text{mm}$ 

Reference Value = 59.336 V/m; Power Drift = -0.04 dB

Peak SAR (extrapolated) = 35.8 W/kg

**SAR(1 g) = 8.07 W/kg; SAR(10 g) = 2.26 W/kg**

Maximum value of SAR (measured) = 16.5 W/kg



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

Communication System: CW; Frequency: 5800MHz

Medium parameters used:  $f=5800\text{MHz}$ ,  $\sigma=6.218\text{S/m}$ ,  $\epsilon_r=46.918$ ;  $\rho=1000\text{kg/m}^3$

Phantom section: Flat section

**DASY Configuration**

Probe: EX3DV4 - SN3957; ConvF(4.07, 4.07, 4.07); 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

DASY52 52.8.7(1137);

Test date: 2014-4-9; Ambient Temp: 23.1; Tissue Temp: 22.7

**5800 MHz System Verification**

**Area Scan (4x5x1):** Measurement grid:  $dx=15\text{mm}$ ,  $dy=15\text{mm}$

Maximum value of SAR (measured) = 11.8 W/kg

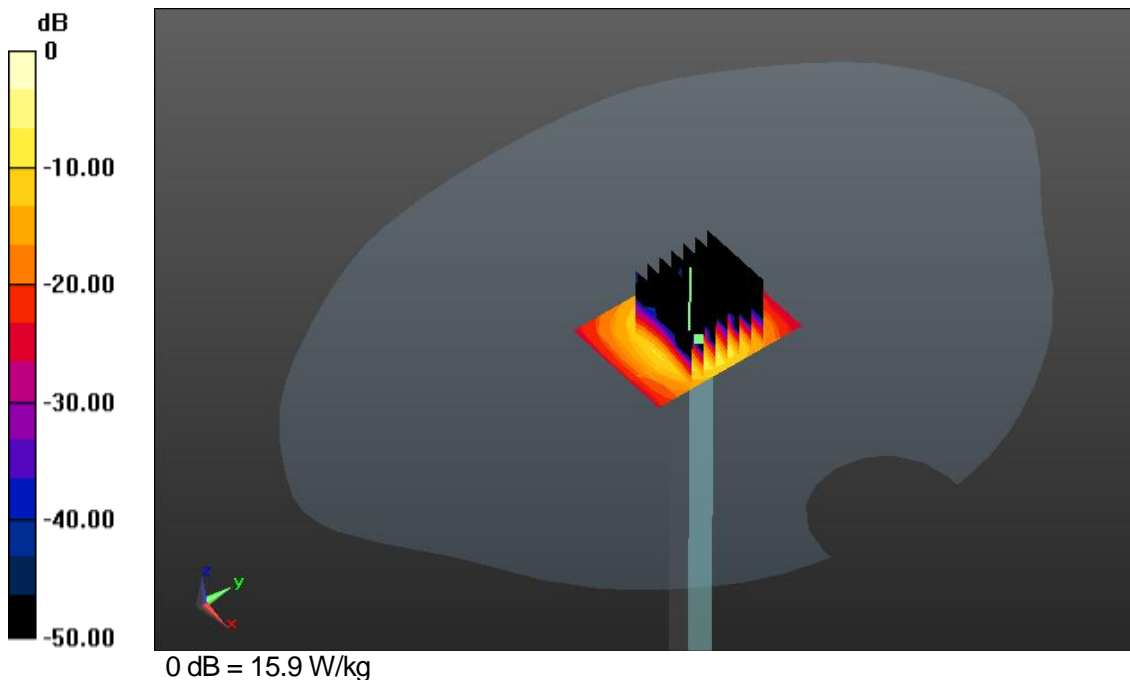
**Zoom Scan (7x7x7)/Cube 0:** Measurement grid:  $dx=5\text{mm}$ ,  $dy=5\text{mm}$ ,  $dz=5\text{mm}$

Reference Value = 56.601 V/m; Power Drift = -0.10 dB

Peak SAR (extrapolated) = 37.6 W/kg

**SAR(1 g) = 7.71 W/kg; SAR(10 g) = 2.14 W/kg**

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



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

Communication System: CW; Frequency: 5800MHz

Medium parameters used:  $f=5800\text{MHz}$ ,  $\sigma=6.218\text{S/m}$ ,  $\epsilon_r=46.918$ ;  $\rho=1000\text{kg/m}^3$

Phantom section: Flat section

### DASY Configuration

Probe: EX3DV4 - SN3957; ConvF(4.07, 4.07, 4.07); 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

DASY52 52.8.7(1137);

Test date: 2014-4-9; Ambient Temp: 23.1; Tissue Temp: 22.7

### 5800 MHz System Verification

**Area Scan (4x5x1):** Measurement grid:  $dx=15\text{mm}$ ,  $dy=15\text{mm}$

Maximum value of SAR (measured) = 11.8 W/kg

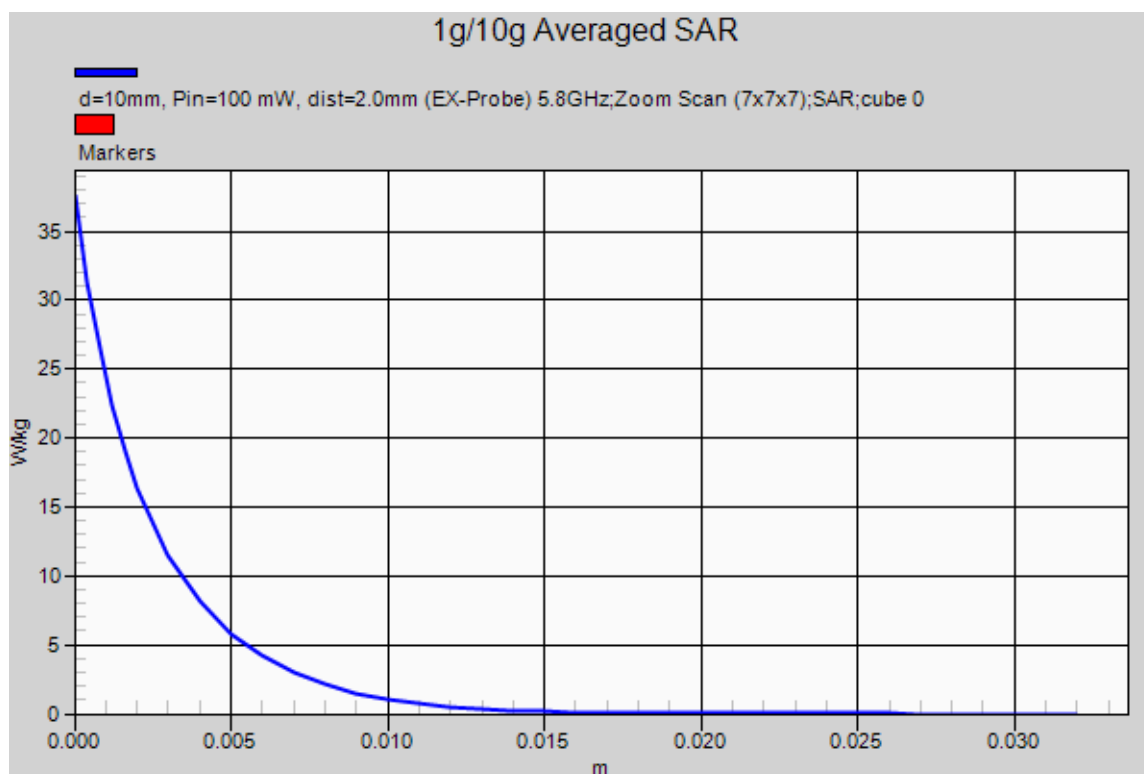
**Zoom Scan (7x7x7)/Cube 0:** Measurement grid:  $dx=5\text{mm}$ ,  $dy=5\text{mm}$ ,  $dz=5\text{mm}$

Reference Value = 56.601 V/m; Power Drift = -0.10 dB

Peak SAR (extrapolated) = 37.6 W/kg

**SAR(1 g) = 7.71 W/kg; SAR(10 g) = 2.14 W/kg**

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



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

Communication System: CW; Frequency: 5200MHz

Medium parameters used:  $f=5200\text{MHz}$ ,  $\sigma=4.493\text{S/m}$ ,  $\epsilon_r=34.741$ ;  $\rho=1000\text{kg/m}^3$

Phantom section: Flat section

**DASY Configuration**

Probe: EX3DV4 - SN3957; ConvF(4.94, 4.94, 4.94); 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

DASY52 52.8.7(1137);

Test date: 2014-4-9; Ambient Temp: 22.3; Tissue Temp: 21.0

**5200 MHz System Verification**

**Area Scan (4x5x1):** Measurement grid:  $dx=15\text{mm}$ ,  $dy=15\text{mm}$

Maximum value of SAR (measured) = 13.5 W/kg

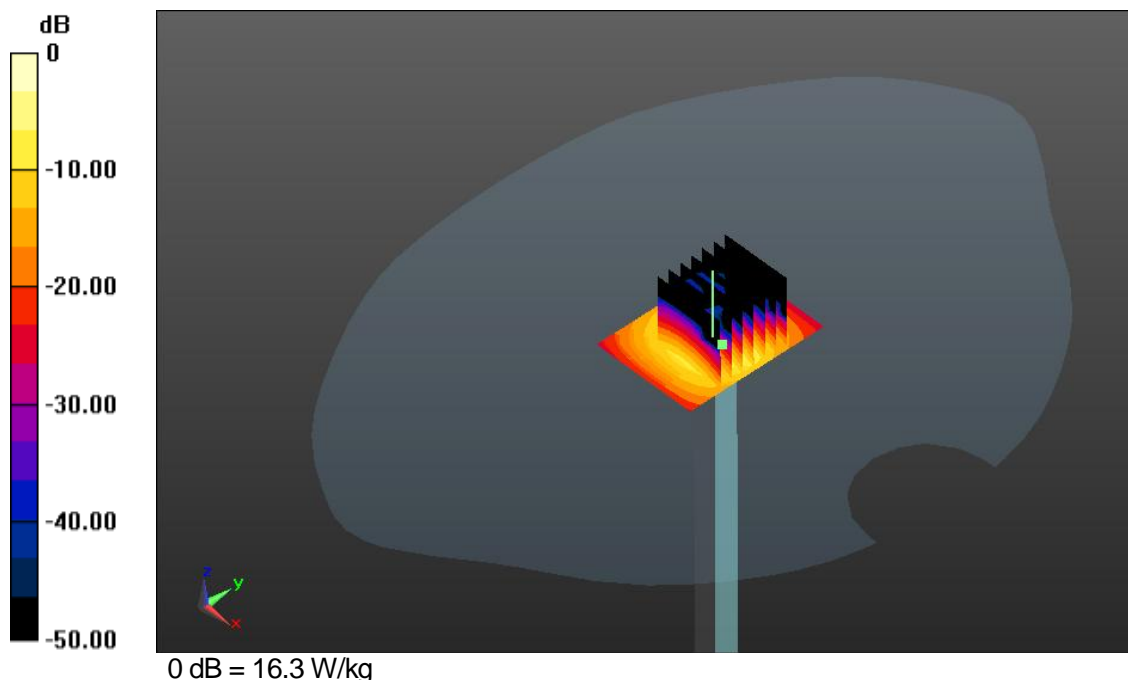
**Zoom Scan (7x7x7)/Cube 0:** Measurement grid:  $dx=5\text{mm}$ ,  $dy=5\text{mm}$ ,  $dz=5\text{mm}$

Reference Value = 69.146 V/m; Power Drift = 0.17 dB

Peak SAR (extrapolated) = 33.2 W/kg

**SAR(1 g) = 8.46 W/kg; SAR(10 g) = 2.46 W/kg**

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



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

Communication System: CW; Frequency: 5200MHz

Medium parameters used:  $f=5200\text{MHz}$ ,  $\sigma=4.493\text{S/m}$ ,  $\epsilon_r=34.741$ ;  $\rho=1000\text{kg/m}^3$

Phantom section: Flat section

### DASY Configuration

Probe: EX3DV4 - SN3957; ConvF(4.94, 4.94, 4.94); 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

DASY52 52.8.7(1137);

Test date: 2014-4-9; Ambient Temp: 22.3; Tissue Temp: 21.0

### 5200 MHz System Verification

**Area Scan (4x5x1):** Measurement grid:  $dx=15\text{mm}$ ,  $dy=15\text{mm}$

Maximum value of SAR (measured) = 13.5 W/kg

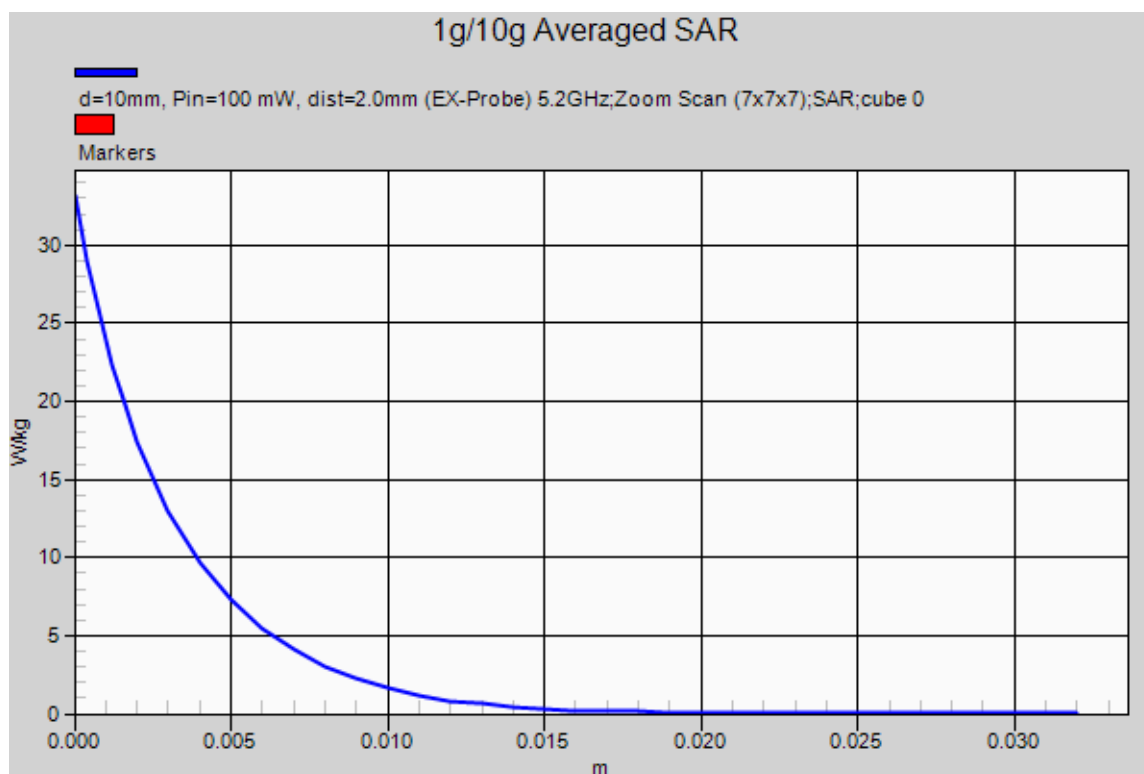
**Zoom Scan (7x7x7)/Cube 0:** Measurement grid:  $dx=5\text{mm}$ ,  $dy=5\text{mm}$ ,  $dz=5\text{mm}$

Reference Value = 69.146 V/m; Power Drift = 0.17 dB

Peak SAR (extrapolated) = 33.2 W/kg

**SAR(1 g) = 8.46 W/kg; SAR(10 g) = 2.46 W/kg**

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





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

Communication System: CW; Frequency: 5500MHz

Medium parameters used:  $f=5500\text{MHz}$ ,  $\sigma=4.762\text{S/m}$ ,  $\epsilon_r=34.294$ ;  $\rho=1000\text{kg/m}^3$ 

Phantom section: Flat section

**DASY Configuration**

Probe: EX3DV4 - SN3957; ConvF(4.81, 4.81, 4.81); 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

DASY52 52.8.7(1137);

Test date: 2014-4-9; Ambient Temp: 22.3; Tissue Temp: 21.0

**5500 MHz System Verification****Area Scan (4x5x1):** Measurement grid:  $dx=15\text{mm}$ ,  $dy=15\text{mm}$ 

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

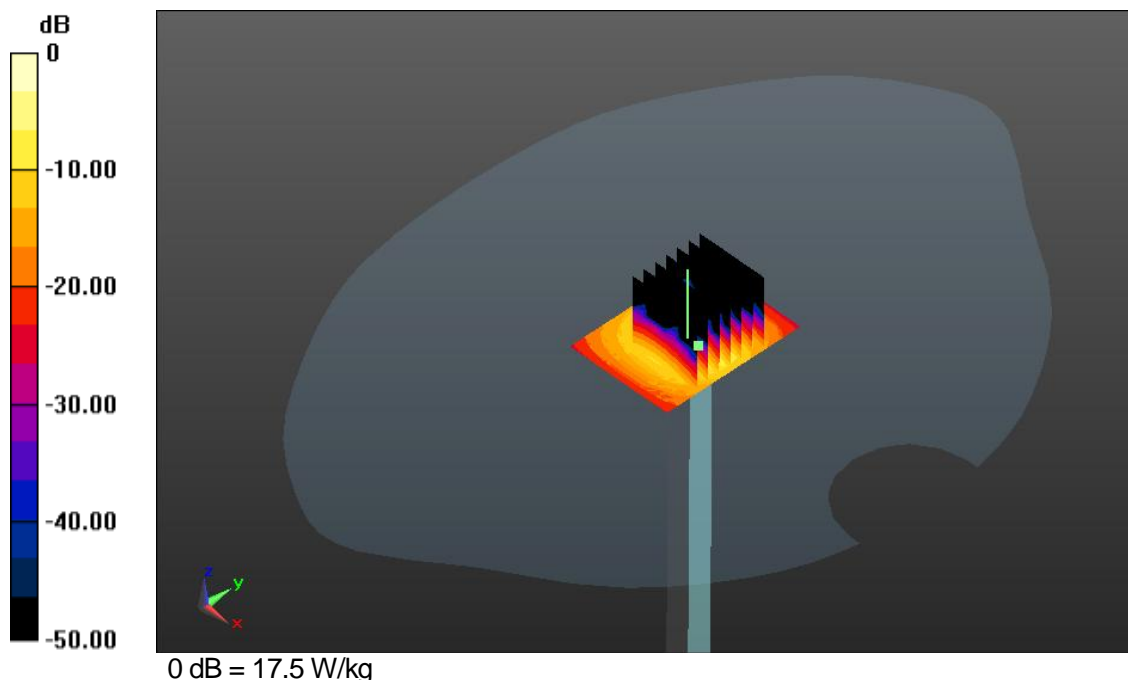
**Zoom Scan (7x7x7)/Cube 0:** Measurement grid:  $dx=5\text{mm}$ ,  $dy=5\text{mm}$ ,  $dz=5\text{mm}$ 

Reference Value = 67.133 V/m; Power Drift = 0.13 dB

Peak SAR (extrapolated) = 39.0 W/kg

**SAR(1 g) = 8.57 W/kg; SAR(10 g) = 2.42 W/kg**

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



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

Communication System: CW; Frequency: 5500MHz

Medium parameters used:  $f=5500\text{MHz}$ ,  $\sigma=4.762\text{S/m}$ ,  $\epsilon_r=34.294$ ;  $\rho=1000\text{kg/m}^3$ 

Phantom section: Flat section

**DASY Configuration**

Probe: EX3DV4 - SN3957; ConvF(4.81, 4.81, 4.81); 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

DASY52 52.8.7(1137);

Test date: 2014-4-9; Ambient Temp: 22.3; Tissue Temp: 21.0

**5500 MHz System Verification****Area Scan (4x5x1):** Measurement grid:  $dx=15\text{mm}$ ,  $dy=15\text{mm}$ 

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

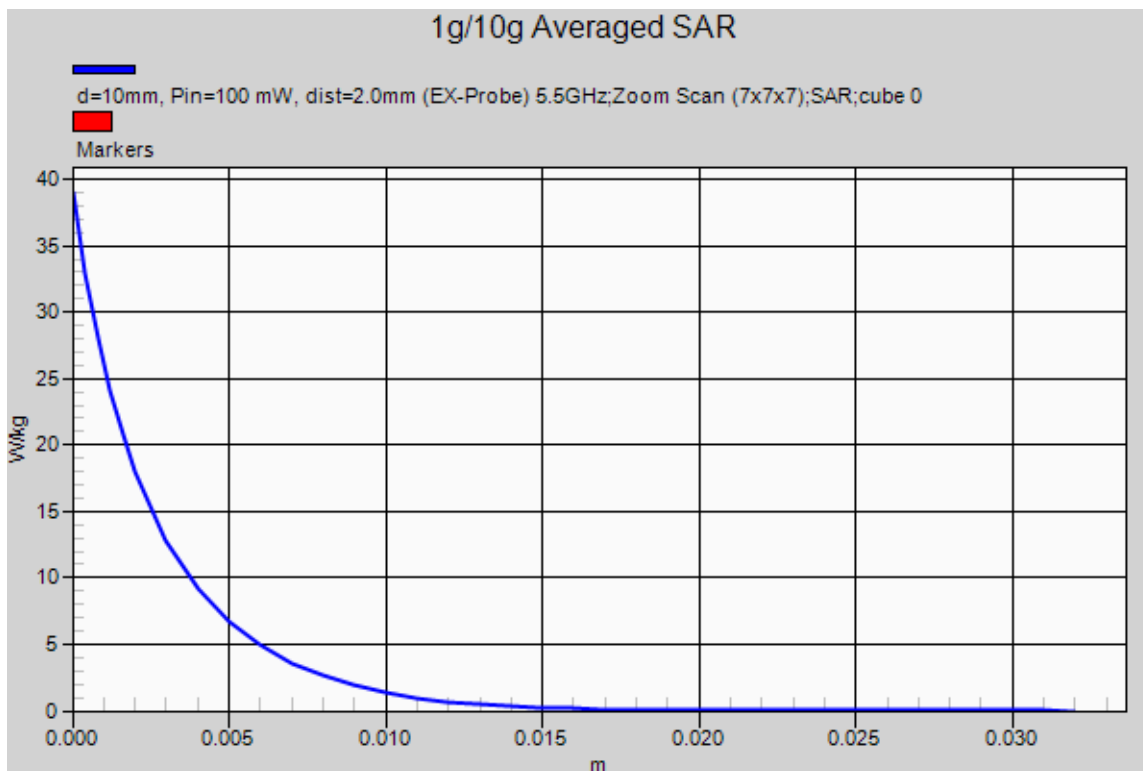
**Zoom Scan (7x7x7)/Cube 0:** Measurement grid:  $dx=5\text{mm}$ ,  $dy=5\text{mm}$ ,  $dz=5\text{mm}$ 

Reference Value = 67.133 V/m; Power Drift = 0.13 dB

Peak SAR (extrapolated) = 39.0 W/kg

**SAR(1 g) = 8.57 W/kg; SAR(10 g) = 2.42 W/kg**

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



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

Communication System: CW; Frequency: 5800MHz

Medium parameters used:  $f=5800\text{MHz}$ ,  $\sigma=5.07\text{S/m}$ ,  $\epsilon_r=33.903$ ;  $\rho=1000\text{kg/m}^3$

Phantom section: Flat section

**DASY Configuration**

Probe: EX3DV4 - SN3957; ConvF(4.68, 4.68, 4.68); 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

DASY52 52.8.7(1137);

Test date: 2014-4-9; Ambient Temp: 22.3; Tissue Temp: 21.0

**5800 MHz System Verification**

**Area Scan (4x5x1):** Measurement grid:  $dx=15\text{mm}$ ,  $dy=15\text{mm}$

Maximum value of SAR (measured) = 11.6 W/kg

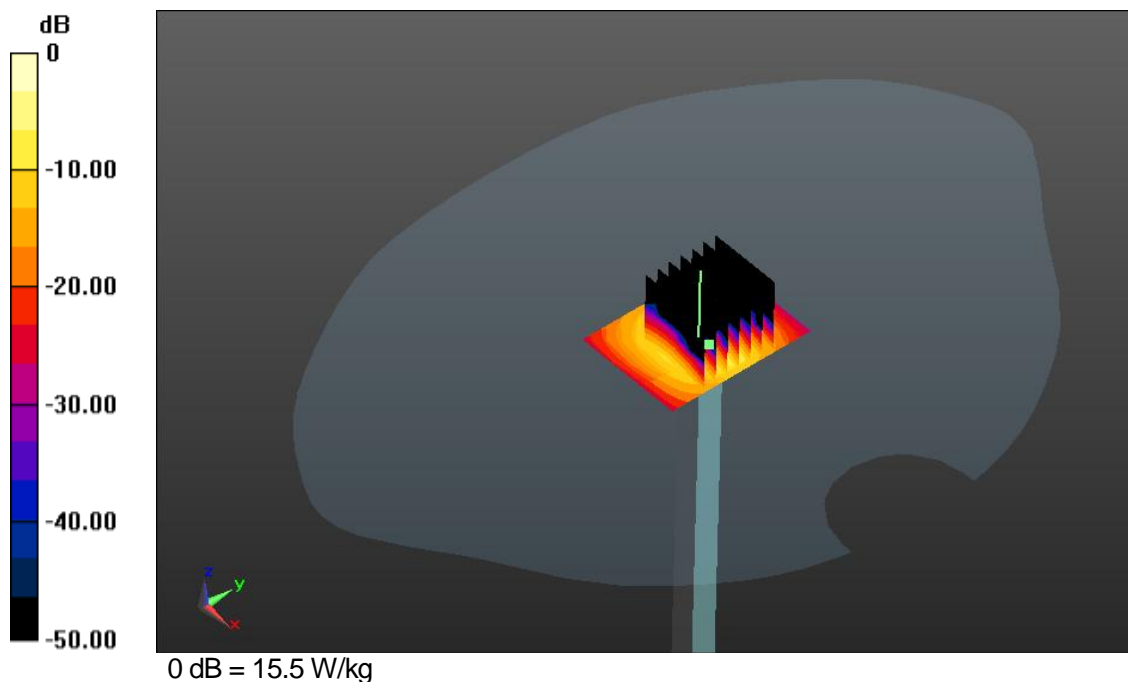
**Zoom Scan (7x7x7)/Cube 0:** Measurement grid:  $dx=5\text{mm}$ ,  $dy=5\text{mm}$ ,  $dz=5\text{mm}$

Reference Value = 60.188 V/m; Power Drift = -0.14 dB

Peak SAR (extrapolated) = 37.9 W/kg

**SAR(1 g) = 7.67 W/kg; SAR(10 g) = 2.14 W/kg**

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



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

Communication System: CW; Frequency: 5800MHz

Medium parameters used:  $f=5800\text{MHz}$ ,  $\sigma=5.07\text{S/m}$ ,  $\epsilon_r=33.903$ ;  $\rho=1000\text{kg/m}^3$ 

Phantom section: Flat section

**DASY Configuration**

Probe: EX3DV4 - SN3957; ConvF(4.68, 4.68, 4.68); 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

DASY52 52.8.7(1137);

Test date: 2014-4-9; Ambient Temp: 22.3; Tissue Temp: 21.0

**5800 MHz System Verification****Area Scan (4x5x1):** Measurement grid:  $dx=15\text{mm}$ ,  $dy=15\text{mm}$ 

Maximum value of SAR (measured) = 11.6 W/kg

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

Reference Value = 60.188 V/m; Power Drift = -0.14 dB

Peak SAR (extrapolated) = 37.9 W/kg

**SAR(1 g) = 7.67 W/kg; SAR(10 g) = 2.14 W/kg**

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

