

## Dipole Verification Plots

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

Communication System: CW; Frequency: 750 MHz

Medium parameters used:  $f = 750$  MHz;  $\sigma = 0.917$  S/m;  $\epsilon_r = 40.336$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat section

### DASY Configuration

Probe: EX3DV4 - SN3957; ConvF(10.45, 10.45, 10.45); Calibrated: 2014/12/16;

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

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

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

Measurement SW: DASY52, Version 52.8 (8)

Test date: 2015-4-13; Ambient Temp: 21.3; Tissue Temp: 21.0

### 750 MHz System Verification -Head-

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

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

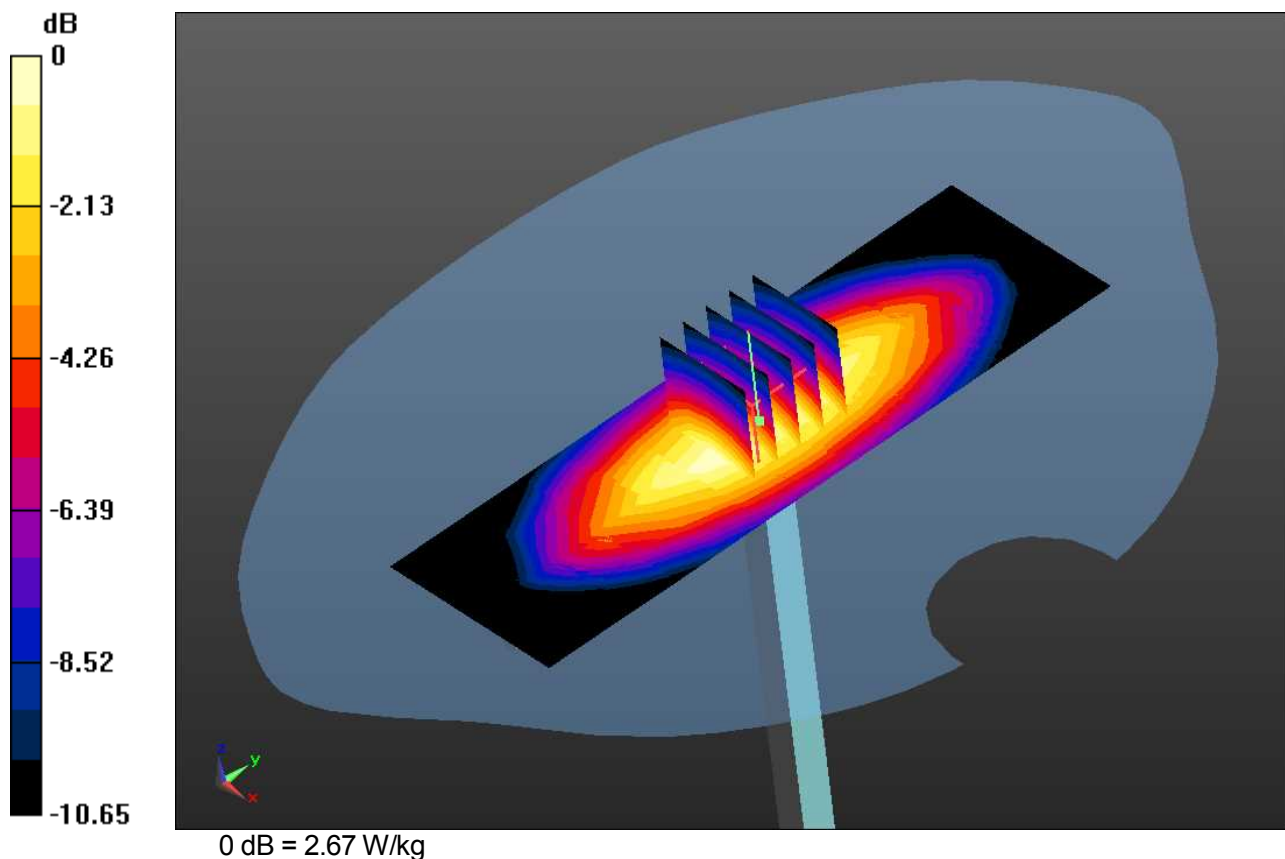
**Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8$ mm,  $dy=8$ mm,  $dz=5$ mm

Reference Value = 54.84 V/m; Power Drift = -0.04 dB

Peak SAR (extrapolated) = 3.21 W/kg

**SAR(1 g) = 2.08 W/kg; SAR(10 g) = 1.36 W/kg**

Maximum value of SAR (measured) = 2.67 W/kg



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

Communication System: CW; Frequency: 750 MHz  
 Medium parameters used:  $f = 750$  MHz;  $\sigma = 0.917$  S/m;  $\epsilon_r = 40.336$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
 Phantom section: Flat section

### DASY Configuration

Probe: EX3DV4 - SN3957; ConvF(10.45, 10.45, 10.45); Calibrated: 2014/12/16;  
 Sensor-Surface: 2mm (Mechanical Surface Detection),  $z = 1.0, 31.0$   
 Electronics: DAE4 Sn1409; Calibrated: 2014/12/11  
 Phantom: SAM v5.0 TP:1799; Type: QD000P40CD; Serial: TP:1799  
 Measurement SW: DASY52, Version 52.8 (8)

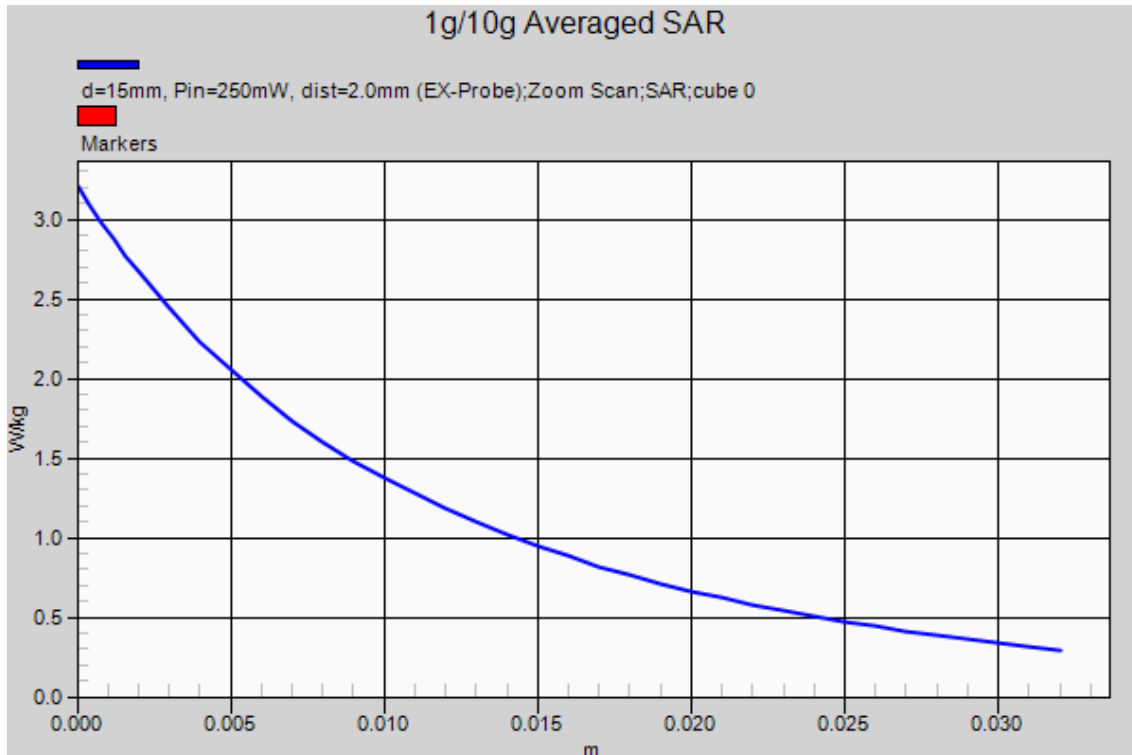
Test date: 2015-4-13; Ambient Temp: 21.3; Tissue Temp: 21.0

### 750 MHz System Verification -Head-

**Area Scan (5x14x1):** Measurement grid:  $dx=15$ mm,  $dy=15$ mm  
 Maximum value of SAR (measured) = 2.68 W/kg

**Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8$ mm,  $dy=8$ mm,  $dz=5$ mm  
 Reference Value = 54.84 V/m; Power Drift = -0.04 dB  
 Peak SAR (extrapolated) = 3.21 W/kg

**SAR(1 g) = 2.08 W/kg; SAR(10 g) = 1.36 W/kg**  
 Maximum value of SAR (measured) = 2.67 W/kg



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

Communication System: CW; Frequency: 750 MHz  
 Medium parameters used:  $f = 750$  MHz;  $\sigma = 0.98$  S/m;  $\epsilon_r = 54.222$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
 Phantom section: Flat section

### DASY Configuration

Probe: EX3DV4 - SN3957; ConvF(10.25, 10.25, 10.25); Calibrated: 2014/12/16;  
 Sensor-Surface: 2mm (Mechanical Surface Detection),  $z = 1.0, 31.0$   
 Electronics: DAE4 Sn1409; Calibrated: 2014/12/11  
 Phantom: ELI v5.0 (20deg probe tilt) TP:1230; Type: QDOVA001BB; Serial: TP:1230  
 Measurement SW: DASY52, Version 52.8 (8)

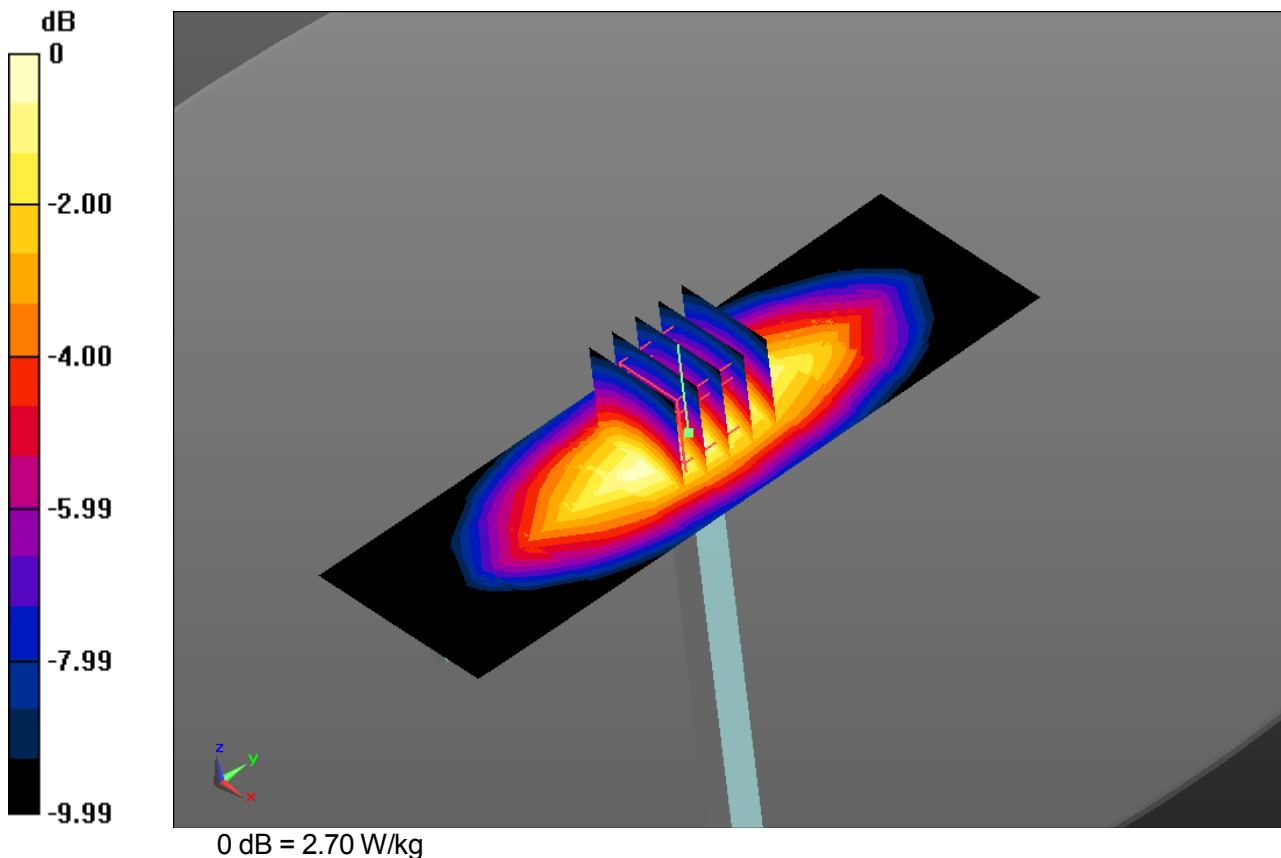
Test date: 2015-4-13; Ambient Temp: 21.4; Tissue Temp: 21.2

### 750 MHz System Verification -Body-

**Area Scan (5x14x1):** Measurement grid:  $dx=15$ mm,  $dy=15$ mm  
 Maximum value of SAR (measured) = 2.68 W/kg

**Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8$ mm,  $dy=8$ mm,  $dz=5$ mm  
 Reference Value = 53.76 V/m; Power Drift = -0.01 dB  
 Peak SAR (extrapolated) = 3.15 W/kg

**SAR(1 g) = 2.15 W/kg; SAR(10 g) = 1.43 W/kg**  
 Maximum value of SAR (measured) = 2.70 W/kg



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

Communication System: CW; Frequency: 750 MHz  
 Medium parameters used:  $f = 750$  MHz;  $\sigma = 0.98$  S/m;  $\epsilon_r = 54.222$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
 Phantom section: Flat section

### DASY Configuration

Probe: EX3DV4 - SN3957; ConvF(10.25, 10.25, 10.25); Calibrated: 2014/12/16;  
 Sensor-Surface: 2mm (Mechanical Surface Detection),  $z = 1.0, 31.0$   
 Electronics: DAE4 Sn1409; Calibrated: 2014/12/11  
 Phantom: ELI v5.0 (20deg probe tilt) TP:1230; Type: QDOVA001BB; Serial: TP:1230  
 Measurement SW: DASY52, Version 52.8 (8)

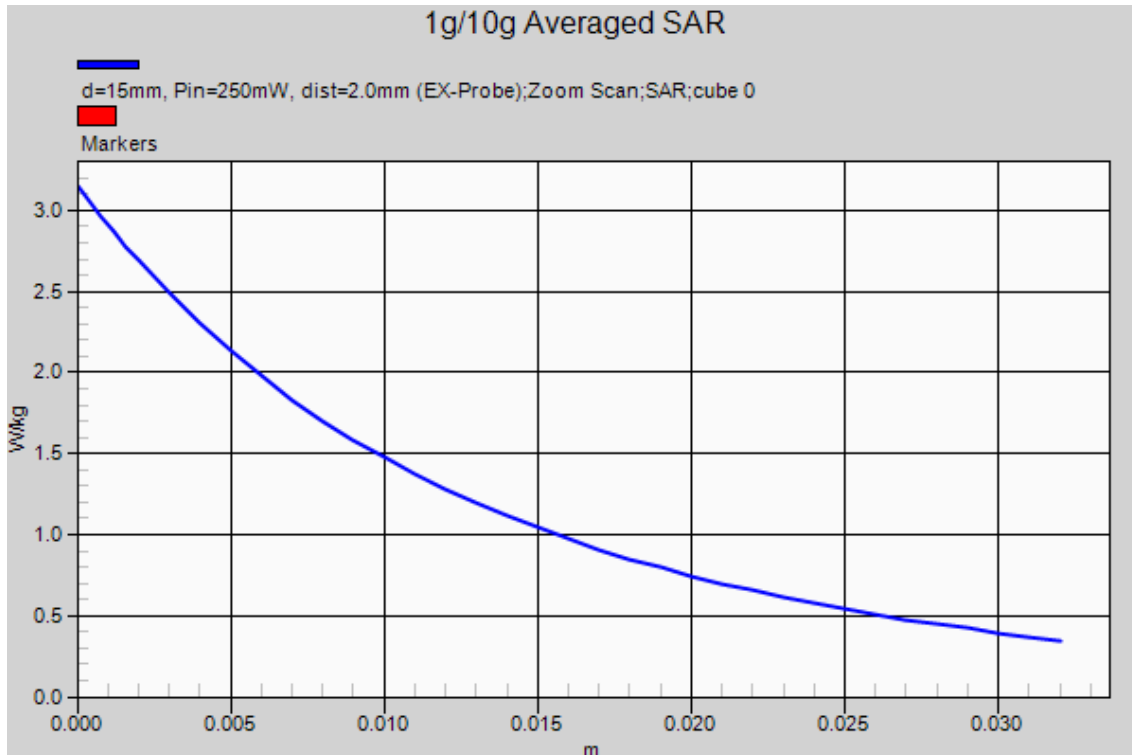
Test date: 2015-4-13; Ambient Temp: 21.4; Tissue Temp: 21.2

### 750 MHz System Verification -Body-

**Area Scan (5x14x1):** Measurement grid:  $dx=15$ mm,  $dy=15$ mm  
 Maximum value of SAR (measured) = 2.68 W/kg

**Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8$ mm,  $dy=8$ mm,  $dz=5$ mm  
 Reference Value = 53.76 V/m; Power Drift = -0.01 dB  
 Peak SAR (extrapolated) = 3.15 W/kg

**SAR(1 g) = 2.15 W/kg; SAR(10 g) = 1.43 W/kg**  
 Maximum value of SAR (measured) = 2.70 W/kg



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

Communication System: CW; Frequency: 835 MHz  
 Medium parameters used:  $f = 835$  MHz;  $\sigma = 0.903$  S/m;  $\epsilon_r = 42.225$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
 Phantom section: Flat section

### DASY Configuration

Probe: EX3DV4 - SN3957; ConvF(9.97, 9.97, 9.97); Calibrated: 12/16/2014;  
 Sensor-Surface: 2mm (Mechanical Surface Detection),  $z = 1.0, 31.0$   
 Electronics: DAE4 Sn1409; Calibrated: 12/11/2014  
 Phantom: SAM v5.0 TP:1799; Type: QD000P40CD; Serial: TP:1799  
 Measurement SW: DASY52, Version 52.8 (8)

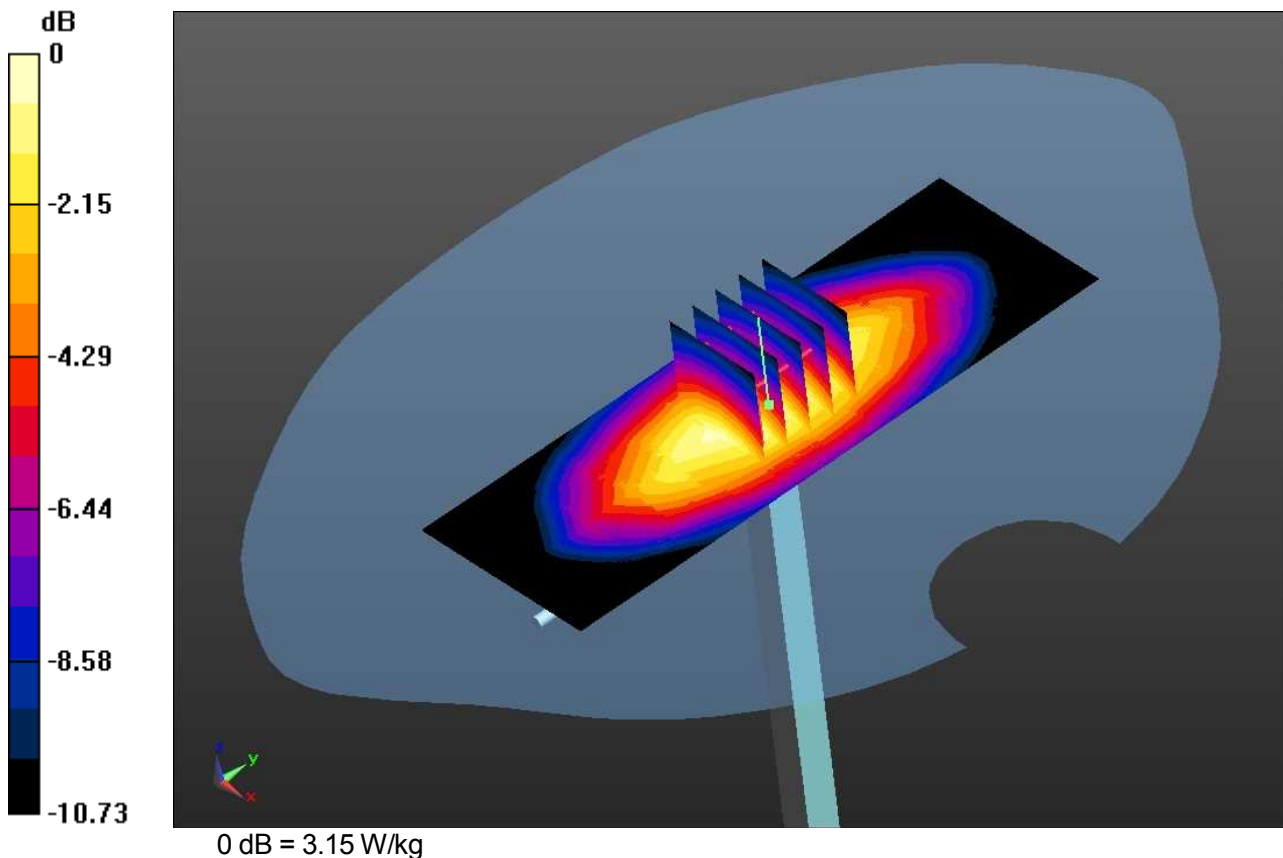
Test date: 2015-4-9; Ambient Temp: 21.0; Tissue Temp: 21.1

### 835 MHz System Verification -Head-

**Area Scan (5x13x1):** Measurement grid:  $dx=15$ mm,  $dy=15$ mm  
 Maximum value of SAR (measured) = 3.11 W/kg

**Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8$ mm,  $dy=8$ mm,  $dz=5$ mm  
 Reference Value = 60.21 V/m; Power Drift = -0.04 dB  
 Peak SAR (extrapolated) = 3.73 W/kg

**SAR(1 g) = 2.47 W/kg; SAR(10 g) = 1.62 W/kg**  
 Maximum value of SAR (measured) = 3.15 W/kg



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

Communication System: CW; Frequency: 835 MHz  
 Medium parameters used:  $f = 835$  MHz;  $\sigma = 0.903$  S/m;  $\epsilon_r = 42.225$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
 Phantom section: Flat section

### DASY Configuration

Probe: EX3DV4 - SN3957; ConvF(9.97, 9.97, 9.97); Calibrated: 12/16/2014;  
 Sensor-Surface: 2mm (Mechanical Surface Detection),  $z = 1.0, 31.0$   
 Electronics: DAE4 Sn1409; Calibrated: 12/11/2014  
 Phantom: SAM v5.0 TP:1799; Type: QD000P40CD; Serial: TP:1799  
 Measurement SW: DASY52, Version 52.8 (8)

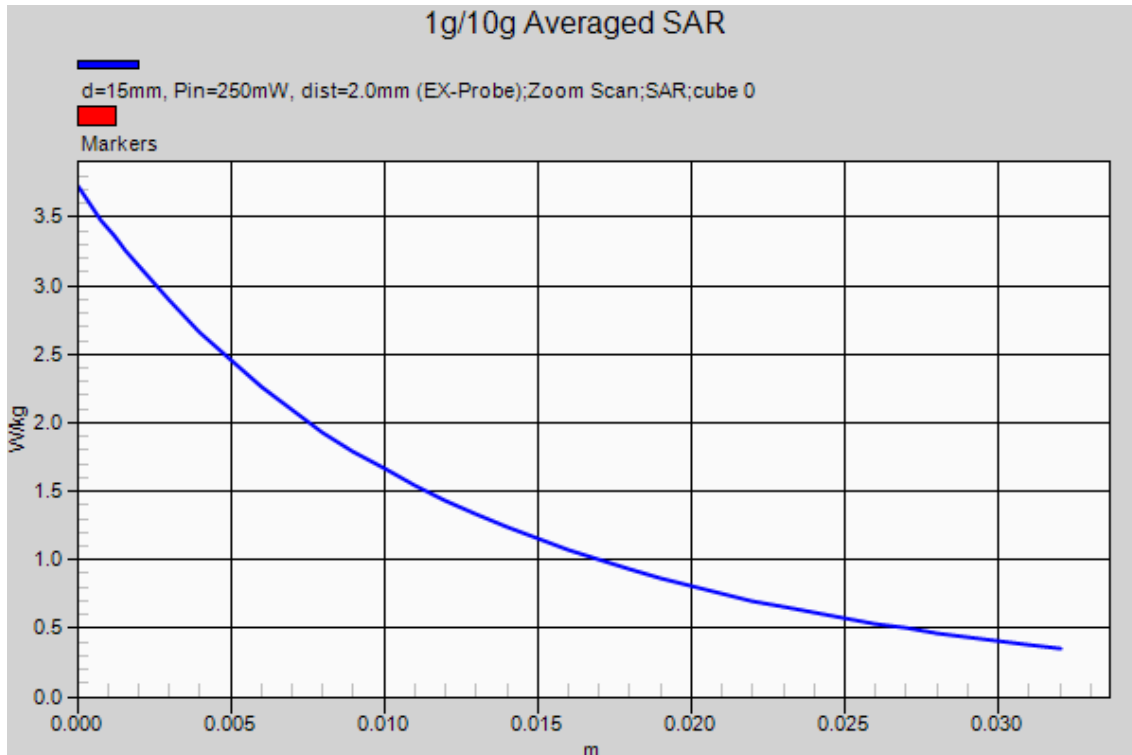
Test date: 2015-4-9; Ambient Temp: 21.0; Tissue Temp: 21.1

### 835 MHz System Verification -Head-

**Area Scan (5x13x1):** Measurement grid:  $dx=15$ mm,  $dy=15$ mm  
 Maximum value of SAR (measured) = 3.11 W/kg

**Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8$ mm,  $dy=8$ mm,  $dz=5$ mm  
 Reference Value = 60.21 V/m; Power Drift = -0.04 dB  
 Peak SAR (extrapolated) = 3.73 W/kg

**SAR(1 g) = 2.47 W/kg; SAR(10 g) = 1.62 W/kg**  
 Maximum value of SAR (measured) = 3.15 W/kg



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

Communication System: CW; Frequency: 835 MHz  
 Medium parameters used:  $f = 835$  MHz;  $\sigma = 1.007$  S/m;  $\epsilon_r = 54.187$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
 Phantom section: Flat section

### DASY Configuration

Probe: EX3DV4 - SN3957; ConvF(9.84, 9.84, 9.84); Calibrated: 12/16/2014;  
 Sensor-Surface: 2mm (Mechanical Surface Detection),  $z = 1.0, 31.0$   
 Electronics: DAE4 Sn1409; Calibrated: 12/11/2014  
 Phantom: ELI v5.0 (20deg probe tilt) TP:1230; Type: QDOVA001BB; Serial: TP:1230  
 Measurement SW: DASY52, Version 52.8 (8)

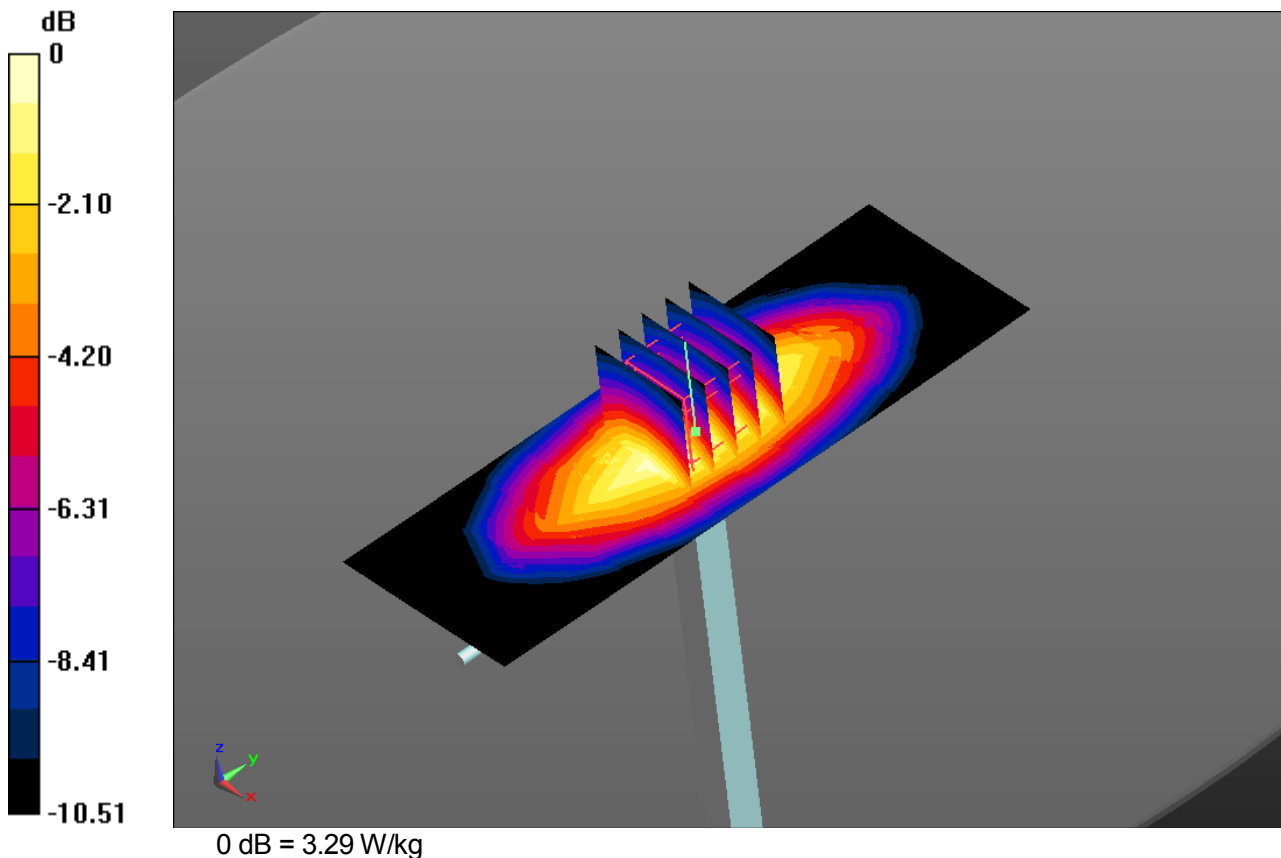
Test date: 2015-4-10; Ambient Temp: 22.2; Tissue Temp: 21.3

### 835 MHz System Verification -Body-

**Area Scan (5x13x1):** Measurement grid:  $dx=15$ mm,  $dy=15$ mm  
 Maximum value of SAR (measured) = 3.28 W/kg

**Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8$ mm,  $dy=8$ mm,  $dz=5$ mm  
 Reference Value = 57.84 V/m; Power Drift = 0.03 dB  
 Peak SAR (extrapolated) = 3.89 W/kg

**SAR(1 g) = 2.58 W/kg; SAR(10 g) = 1.69 W/kg**  
 Maximum value of SAR (measured) = 3.29 W/kg



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

Communication System: CW; Frequency: 835 MHz  
 Medium parameters used:  $f = 835$  MHz;  $\sigma = 1.007$  S/m;  $\epsilon_r = 54.187$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
 Phantom section: Flat section

### DASY Configuration

Probe: EX3DV4 - SN3957; ConvF(9.84, 9.84, 9.84); Calibrated: 12/16/2014;  
 Sensor-Surface: 2mm (Mechanical Surface Detection),  $z = 1.0, 31.0$   
 Electronics: DAE4 Sn1409; Calibrated: 12/11/2014  
 Phantom: ELI v5.0 (20deg probe tilt) TP:1230; Type: QDOVA001BB; Serial: TP:1230  
 Measurement SW: DASY52, Version 52.8 (8)

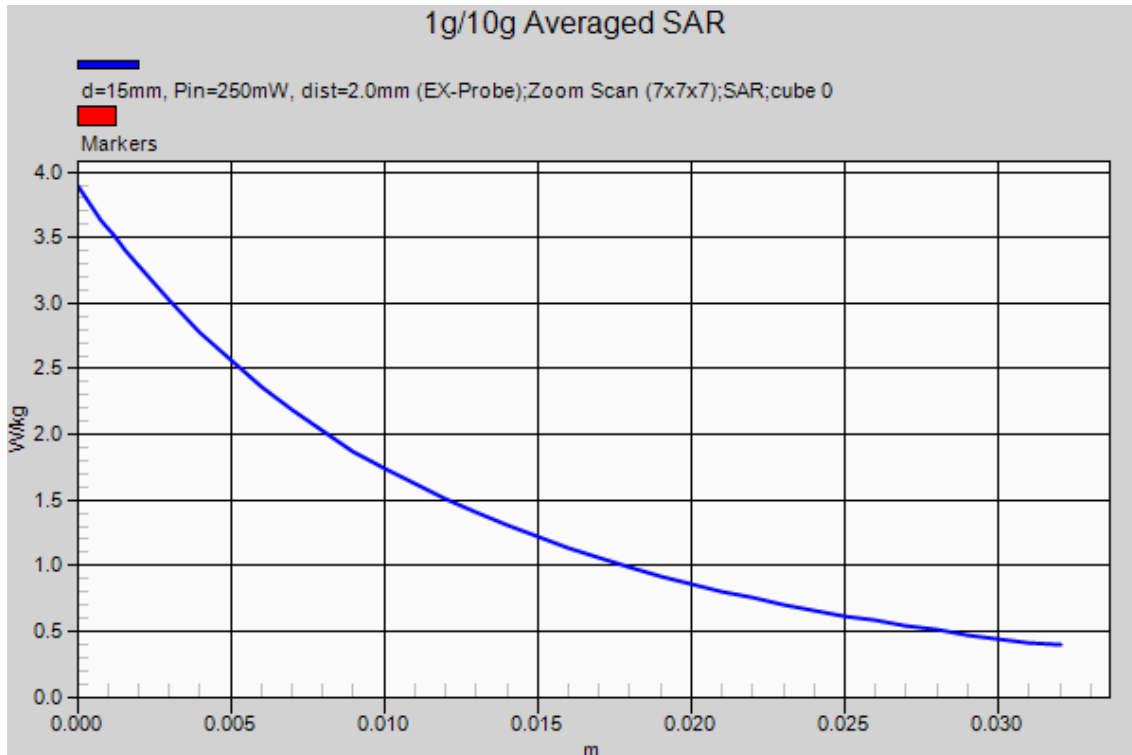
Test date: 2015-4-10; Ambient Temp: 22.2; Tissue Temp: 21.3

### 835 MHz System Verification -Body-

**Area Scan (5x13x1):** Measurement grid:  $dx=15$ mm,  $dy=15$ mm  
 Maximum value of SAR (measured) = 3.28 W/kg

**Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8$ mm,  $dy=8$ mm,  $dz=5$ mm  
 Reference Value = 57.84 V/m; Power Drift = 0.03 dB  
 Peak SAR (extrapolated) = 3.89 W/kg

**SAR(1 g) = 2.58 W/kg; SAR(10 g) = 1.69 W/kg**  
 Maximum value of SAR (measured) = 3.29 W/kg





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

Communication System: CW; Frequency: 1900 MHz  
 Medium parameters used:  $f = 1900$  MHz;  $\sigma = 1.446$  S/m;  $\epsilon_r = 40.164$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
 Phantom section: Flat section

**DASY Configuration**

Probe: EX3DV4 - SN3957; ConvF (8.23, 8.23, 8.23); Calibrated: 2014/12/16;  
 Sensor-Surface: 2mm (Mechanical Surface Detection),  $z = 1.0, 31.0$   
 Electronics: DAE4 Sn1409; Calibrated: 2014/12/11  
 Phantom: SAM v5.0 TP:1799; Type: QD000P40CD; Serial: TP:1799  
 MEASUREMENT SW: DASY52, VERSION 52.8 (8);

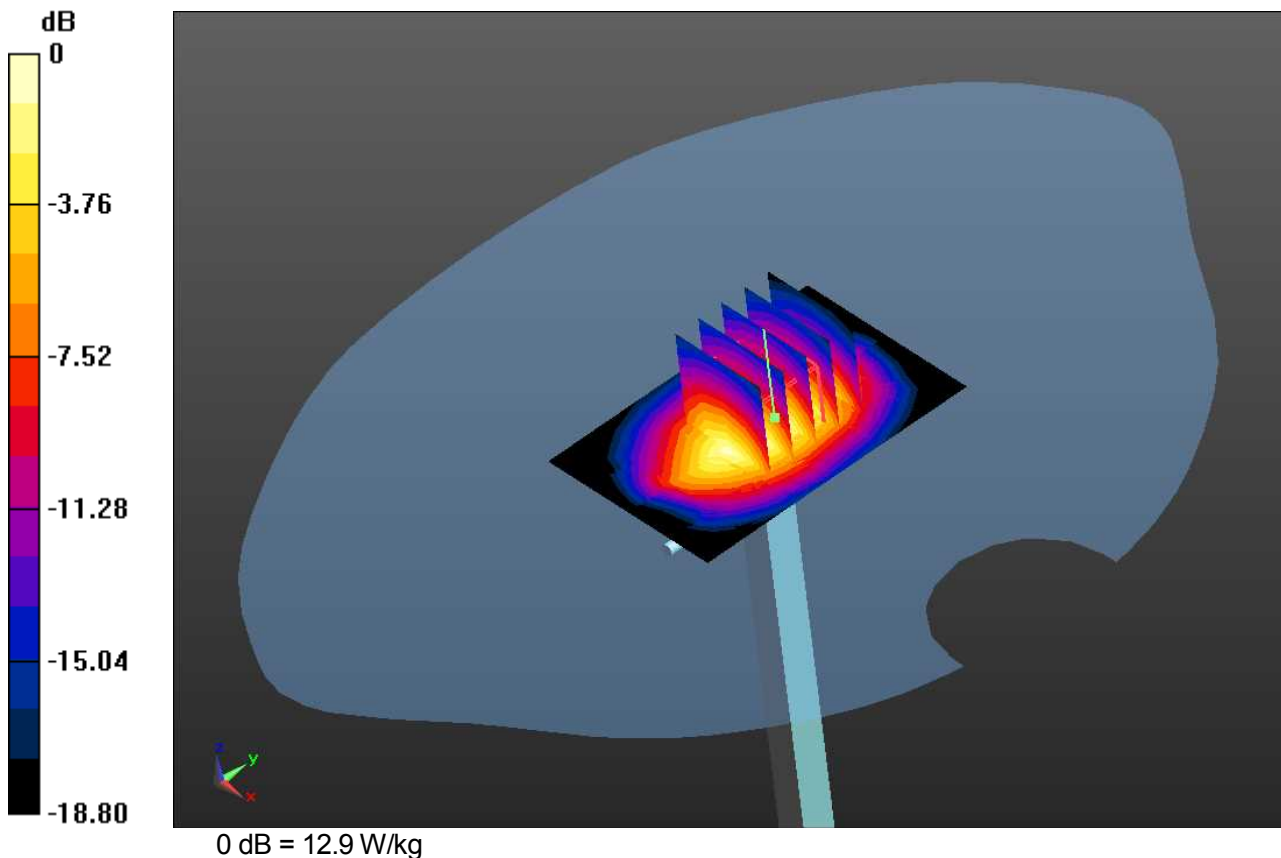
Test date: 2015-4-10; Ambient Temp: 24.8; Tissue Temp: 23.0

**1900 MHz System Verification -Head-**

**Area Scan (5x7x1):** Measurement grid:  $dx=15$ mm,  $dy=15$ mm  
 Maximum value of SAR (measured) = 12.8 W/kg

**Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8$ mm,  $dy=8$ mm,  $dz=5$ mm  
 Reference Value = 96.13 V/m; Power Drift = 0.01 dB  
 Peak SAR (extrapolated) = 16.9 W/kg

**SAR(1 g) = 9.11 W/kg; SAR(10 g) = 4.74 W/kg**  
 Maximum value of SAR (measured) = 12.9 W/kg



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

Communication System: CW; Frequency: 1900 MHz  
 Medium parameters used:  $f = 1900$  MHz;  $\sigma = 1.446$  S/m;  $\epsilon_r = 40.164$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
 Phantom section: Flat section

**DASY Configuration**

Probe: EX3DV4 - SN3957; ConvF (8.23, 8.23, 8.23); Calibrated: 2014/12/16;  
 Sensor-Surface: 2mm (Mechanical Surface Detection),  $z = 1.0, 31.0$   
 Electronics: DAE4 Sn1409; Calibrated: 2014/12/11  
 Phantom: SAM v5.0 TP:1799; Type: QD000P40CD; Serial: TP:1799  
 MEASUREMENT SW: DASY52, VERSION 52.8 (8);

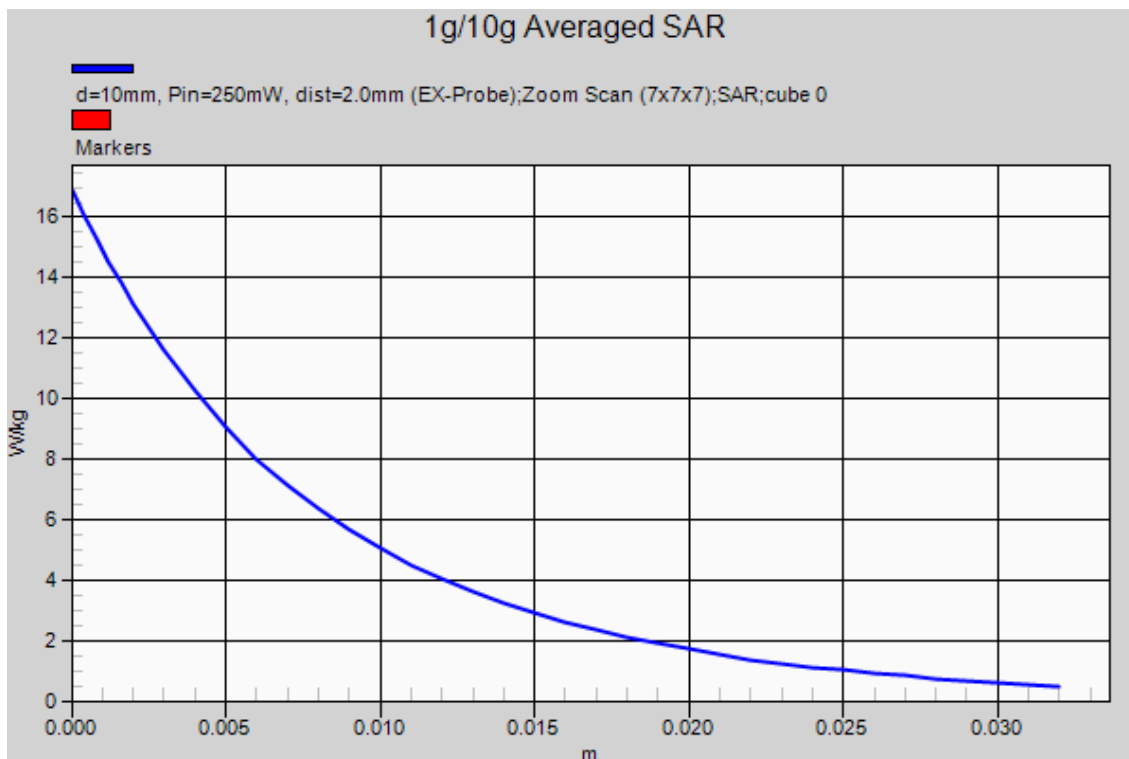
Test date: 2015-4-10; Ambient Temp: 24.8; Tissue Temp: 23.0

**1900 MHz System Verification -Head-**

**Area Scan (5x7x1):** Measurement grid:  $dx=15$ mm,  $dy=15$ mm  
 Maximum value of SAR (measured) = 12.8 W/kg

**Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8$ mm,  $dy=8$ mm,  $dz=5$ mm  
 Reference Value = 96.13 V/m; Power Drift = 0.01 dB  
 Peak SAR (extrapolated) = 16.9 W/kg

**SAR(1 g) = 9.11 W/kg; SAR(10 g) = 4.74 W/kg**  
 Maximum value of SAR (measured) = 12.9 W/kg



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

Communication System: CW; Frequency: 1900 MHz  
 Medium parameters used:  $f = 1900$  MHz;  $\sigma = 1.544$  S/m;  $\epsilon_r = 52.967$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
 Phantom section: Flat section

**DASY Configuration**

Probe: EX3DV4 - SN3957; ConvF(7.81, 7.81, 7.81); Calibrated: 2014/12/16;  
 Sensor-Surface: 2mm (Mechanical Surface Detection),  $z = 1.0, 31.0$   
 Electronics: DAE4 Sn1409; Calibrated: 2014/12/11  
 Phantom: ELI v5.0 (20deg probe tilt) TP;1230; Type: QDOVA001BB; Serial: TP:1230  
 MEASUREMENT SW: DASY52, VERSION 52.8 (8);

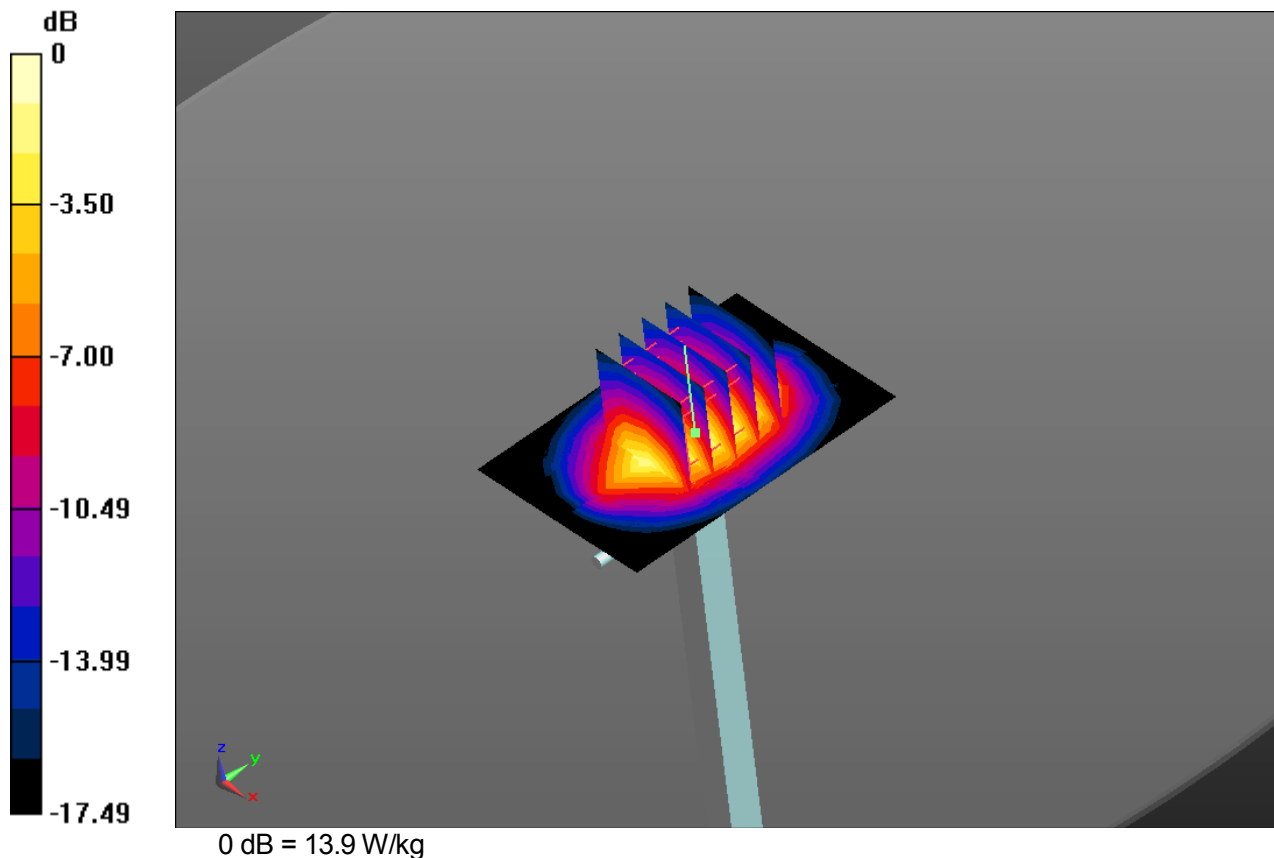
Test date: 2015-4-11; Ambient Temp: 23.5; Tissue Temp: 22.1

**1900 MHz System Verification -Body-**

**Area Scan (5x7x1):** Measurement grid:  $dx=15$ mm,  $dy=15$ mm  
 Maximum value of SAR (measured) = 13.4 W/kg

**Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8$ mm,  $dy=8$ mm,  $dz=5$ mm  
 Reference Value = 96.86 V/m; Power Drift = 0.01 dB  
 Peak SAR (extrapolated) = 17.3 W/kg

**SAR(1 g) = 9.78 W/kg; SAR(10 g) = 5.15 W/kg**  
 Maximum value of SAR (measured) = 13.9 W/kg



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

Communication System: CW; Frequency: 1900 MHz  
 Medium parameters used:  $f = 1900$  MHz;  $\sigma = 1.544$  S/m;  $\epsilon_r = 52.967$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
 Phantom section: Flat section

**DASY Configuration**

Probe: EX3DV4 - SN3957; ConvF(7.81, 7.81, 7.81); Calibrated: 2014/12/16;  
 Sensor-Surface: 2mm (Mechanical Surface Detection),  $z = 1.0, 31.0$   
 Electronics: DAE4 Sn1409; Calibrated: 2014/12/11  
 Phantom: ELI v5.0 (20deg probe tilt) TP;1230; Type: QDOVA001BB; Serial: TP:1230  
 MEASUREMENT SW: DASY52, VERSION 52.8 (8);

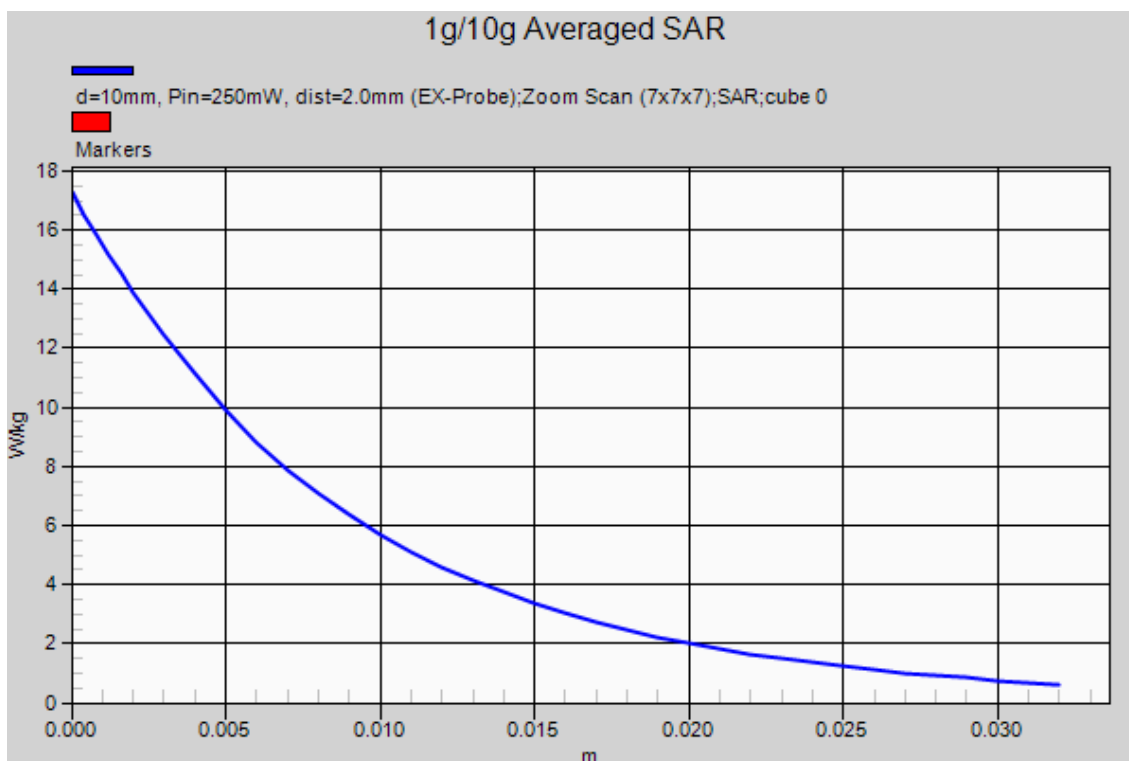
Test date: 2015-4-11; Ambient Temp: 23.5; Tissue Temp: 22.1

**1900 MHz System Verification -Body-**

**Area Scan (5x7x1):** Measurement grid:  $dx=15$ mm,  $dy=15$ mm  
 Maximum value of SAR (measured) = 13.4 W/kg

**Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8$ mm,  $dy=8$ mm,  $dz=5$ mm  
 Reference Value = 96.86 V/m; Power Drift = 0.01 dB  
 Peak SAR (extrapolated) = 17.3 W/kg

**SAR(1 g) = 9.78 W/kg; SAR(10 g) = 5.15 W/kg**  
 Maximum value of SAR (measured) = 13.9 W/kg



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

Communication System: CW; Frequency: 2450 MHz  
 Medium parameters used:  $f = 2450$  MHz;  $\sigma = 1.809$  S/m;  $\epsilon_r = 38.077$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
 Phantom section: Flat section

### DASY Configuration

Probe: EX3DV4 - SN3957; ConvF(7.43, 7.43, 7.43); Calibrated: 2014/12/16;  
 Sensor-Surface: 2mm (Mechanical Surface Detection),  $z = 1.0, 31.0$   
 Electronics: DAE4 Sn1409; Calibrated: 2014/12/11  
 Phantom: SAM v5.0 TP:1799; Type: QD000P40CD; Serial: TP:1799  
 MEASUREMENT SW: DASY52, VERSION 52.8 (8);

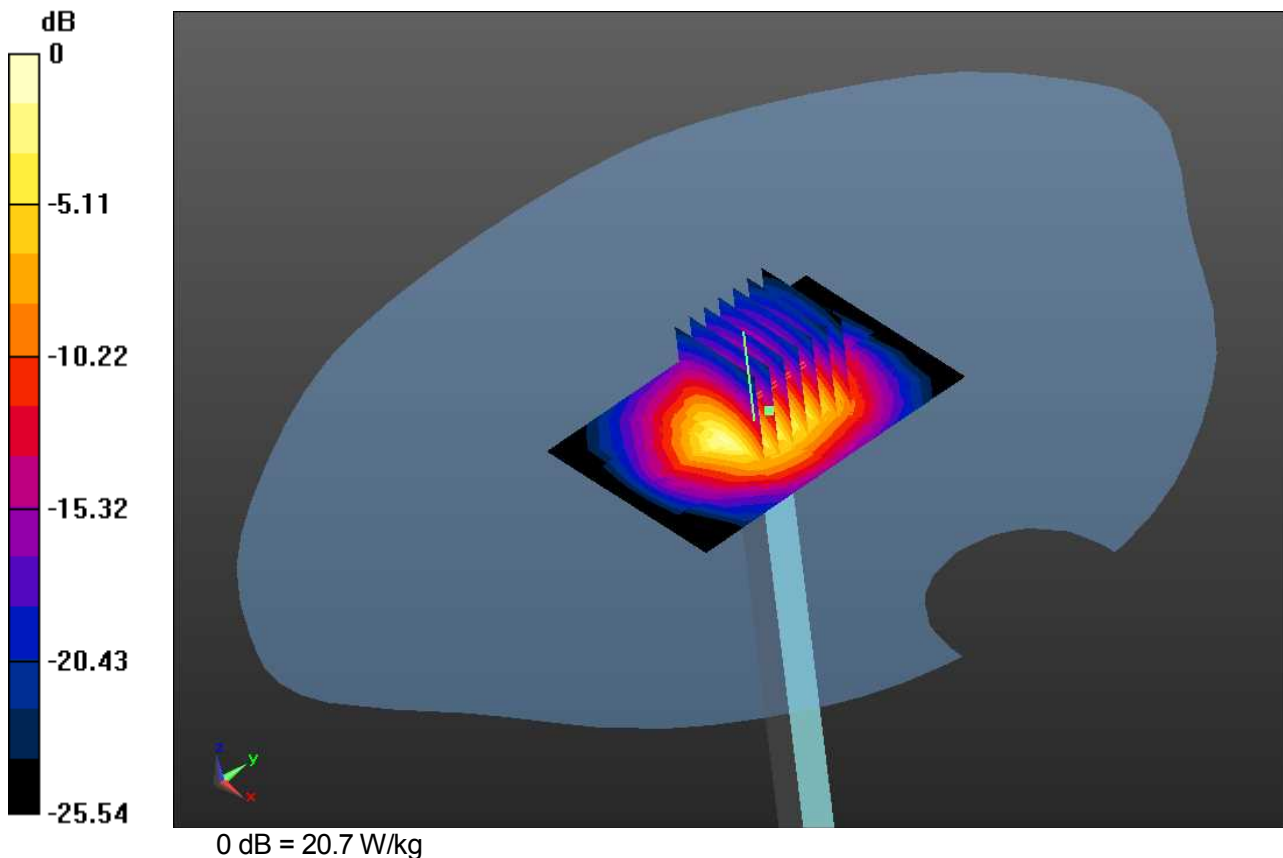
Test date: 2015-4-6; Ambient Temp: 21.6; Tissue Temp: 20.8

### 2450 MHz System Verification -Head-

**Area Scan (7x10x1):** Measurement grid:  $dx=10$ mm,  $dy=10$ mm  
 Maximum value of SAR (measured) = 20.3 W/kg

**Zoom Scan (7x7x7)/Cube 0:** Measurement grid:  $dx=5$ mm,  $dy=5$ mm,  $dz=5$ mm  
 Reference Value = 107.6 V/m; Power Drift = -0.03 dB  
 Peak SAR (extrapolated) = 29.6 W/kg

**SAR(1 g) = 13.1 W/kg; SAR(10 g) = 5.82 W/kg**  
 Maximum value of SAR (measured) = 20.7 W/kg



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

Communication System: CW; Frequency: 2450 MHz  
 Medium parameters used:  $f = 2450$  MHz;  $\sigma = 1.809$  S/m;  $\epsilon_r = 38.077$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
 Phantom section: Flat section

**DASY Configuration**

Probe: EX3DV4 - SN3957; ConvF(7.43, 7.43, 7.43); Calibrated: 2014/12/16;  
 Sensor-Surface: 2mm (Mechanical Surface Detection),  $z = 1.0, 31.0$   
 Electronics: DAE4 Sn1409; Calibrated: 2014/12/11  
 Phantom: SAM v5.0 TP:1799; Type: QD000P40CD; Serial: TP:1799  
 MEASUREMENT SW: DASY52, VERSION 52.8 (8);

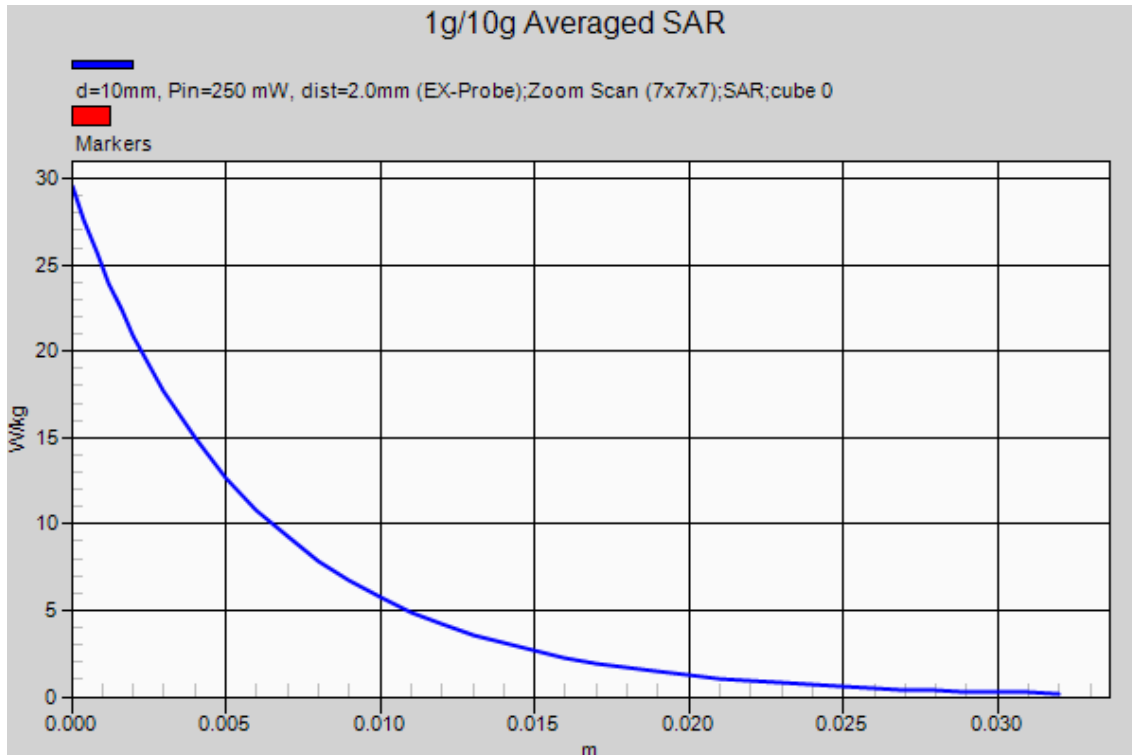
Test date: 2015-4-6; Ambient Temp: 21.6; Tissue Temp: 20.8

**2450 MHz System Verification -Head-**

**Area Scan (7x10x1):** Measurement grid:  $dx=10$ mm,  $dy=10$ mm  
 Maximum value of SAR (measured) = 20.3 W/kg

**Zoom Scan (7x7x7)/Cube 0:** Measurement grid:  $dx=5$ mm,  $dy=5$ mm,  $dz=5$ mm  
 Reference Value = 107.6 V/m; Power Drift = -0.03 dB  
 Peak SAR (extrapolated) = 29.6 W/kg

**SAR(1 g) = 13.1 W/kg; SAR(10 g) = 5.82 W/kg**  
 Maximum value of SAR (measured) = 20.7 W/kg



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

Communication System: CW; Frequency: 2450 MHz  
 Medium parameters used:  $f = 2450$  MHz;  $\sigma = 1.969$  S/m;  $\epsilon_r = 51.367$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
 Phantom section: Flat section

### DASY Configuration

Probe: EX3DV4 - SN3957; ConvF(7.4, 7.4, 7.4); Calibrated: 2014/12/16;  
 Sensor-Surface: 2mm (Mechanical Surface Detection),  $z = 1.0, 31.0$   
 Electronics: DAE4 Sn1409; Calibrated: 2014/12/11  
 Phantom: ELI v5.0 (20deg probe tilt) TP;1230; Type: QDOVA001BB; Serial: TP:1230  
 MEASUREMENT SW: DASY52, VERSION 52.8 (8);

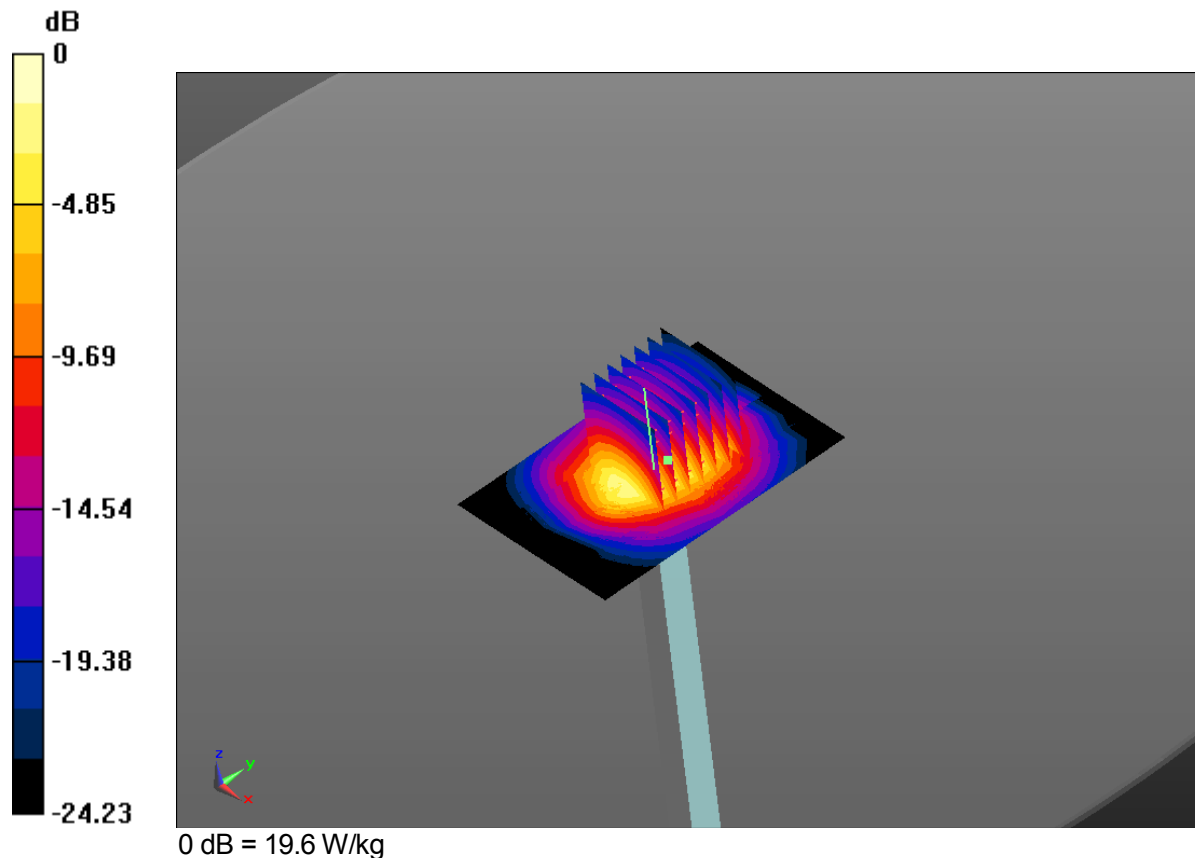
Test date: 2015-4-6; Ambient Temp: 22.6; Tissue Temp: 21.0

### 2450 MHz System Verification -Body-

**Area Scan (7x10x1):** Measurement grid:  $dx=10$ mm,  $dy=10$ mm  
 Maximum value of SAR (measured) = 19.0 W/kg

**Zoom Scan (7x7x7)/Cube 0:** Measurement grid:  $dx=5$ mm,  $dy=5$ mm,  $dz=5$ mm  
 Reference Value = 100.1 V/m; Power Drift = 0.13 dB  
 Peak SAR (extrapolated) = 27.4 W/kg

**SAR(1 g) = 12.9 W/kg; SAR(10 g) = 5.83 W/kg**  
 Maximum value of SAR (measured) = 19.6 W/kg



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

Communication System: CW; Frequency: 2450 MHz

Medium parameters used:  $f = 2450$  MHz;  $\sigma = 1.969$  S/m;  $\epsilon_r = 51.367$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat section

**DASY Configuration**

Probe: EX3DV4 - SN3957; ConvF(7.4, 7.4, 7.4); Calibrated: 2014/12/16;

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

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

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

MEASUREMENT SW: DASY52, VERSION 52.8 (8);

Test date: 2015-4-6; Ambient Temp: 22.6; Tissue Temp: 21.0

**2450 MHz System Verification -Body-****Area Scan (7x10x1):** Measurement grid:  $dx=10$ mm,  $dy=10$ mm

Maximum value of SAR (measured) = 19.0 W/kg

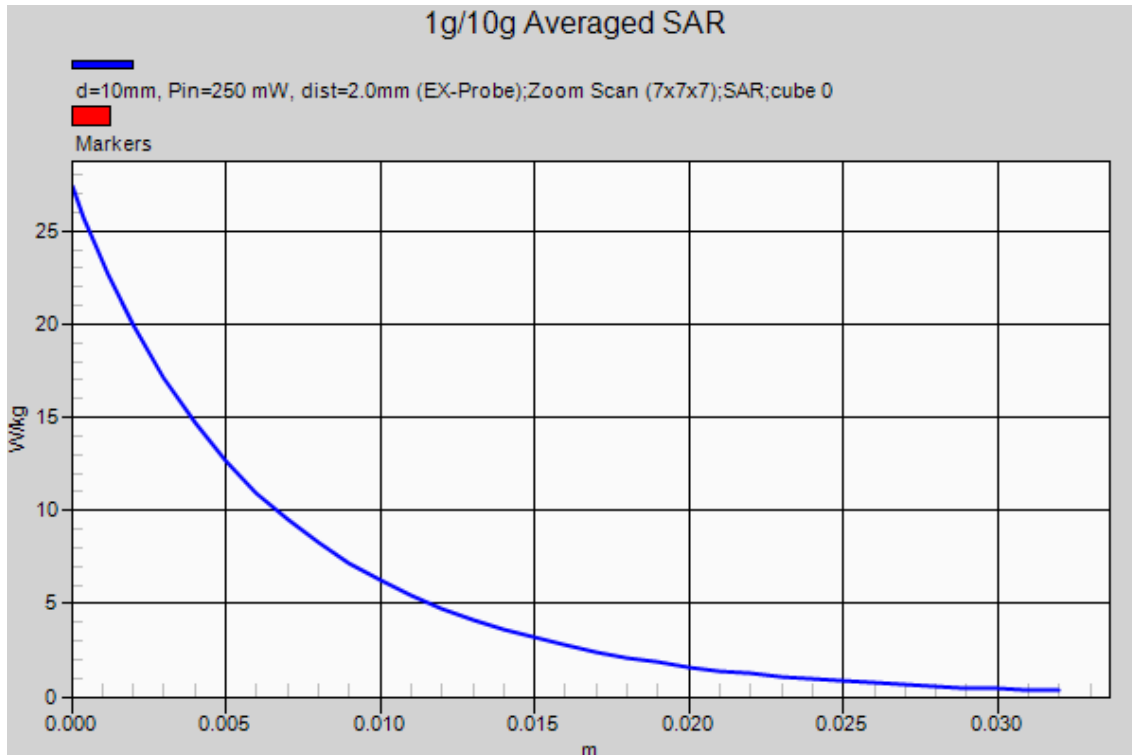
**Zoom Scan (7x7x7)/Cube 0:** Measurement grid:  $dx=5$ mm,  $dy=5$ mm,  $dz=5$ mm

Reference Value = 100.1 V/m; Power Drift = 0.13 dB

Peak SAR (extrapolated) = 27.4 W/kg

**SAR(1 g) = 12.9 W/kg; SAR(10 g) = 5.83 W/kg**

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





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

Communication System: CW; Frequency: 5200 MHz

Medium parameters used:  $f = 5200$  MHz;  $\sigma = 4.579$  S/m;  $\epsilon_r = 35.704$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat section

**DASY Configuration**

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

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

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

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

MEASUREMENT SW: DASY52, VERSION 52.8 (8);

Test date: 2015-4-3; Ambient Temp: 20.8; Tissue Temp: 20.4

**5200 MHz System Verification -Head-**

**Area Scan (5x6x1):** Measurement grid:  $dx=10$ mm,  $dy=10$ mm

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

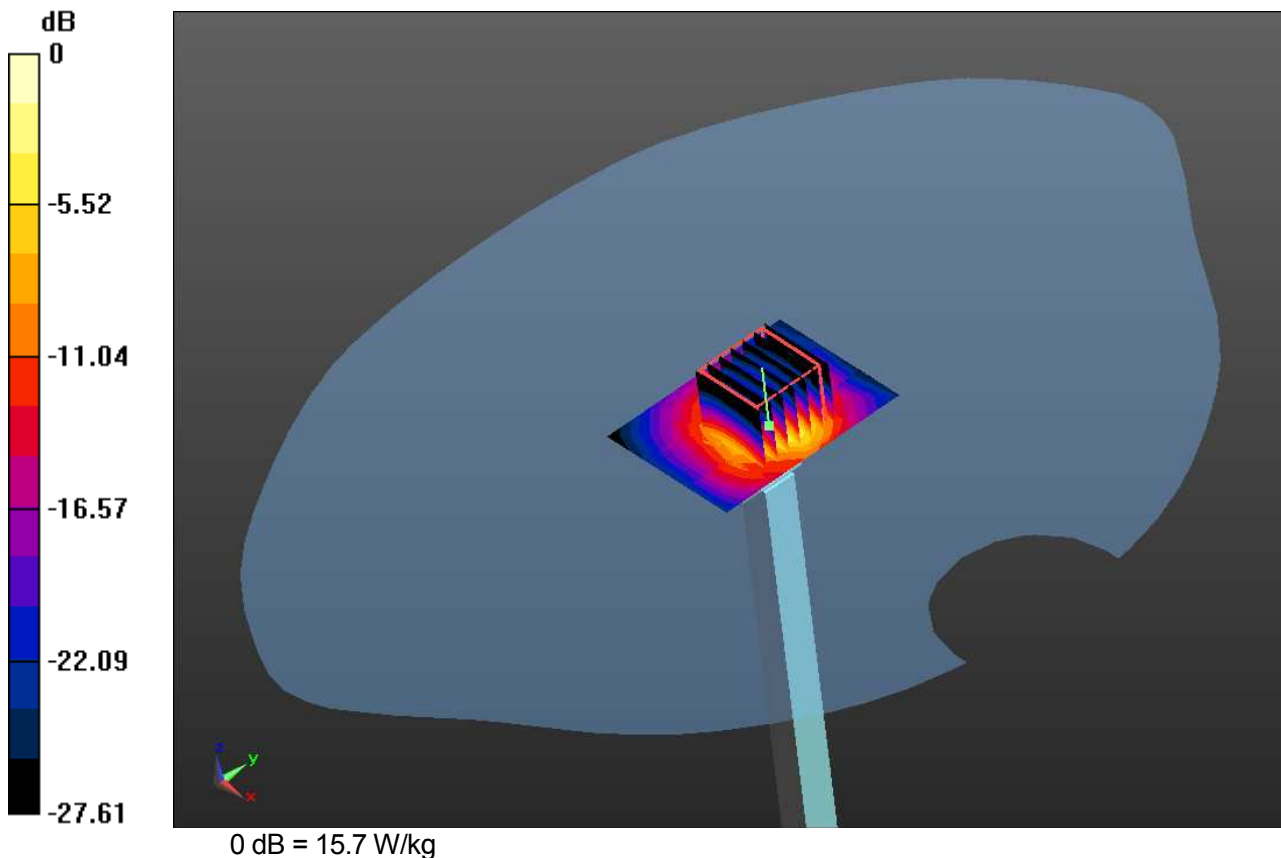
**Zoom Scan (7x7x11)/Cube 0:** Measurement grid:  $dx=4$ mm,  $dy=4$ mm,  $dz=2$ mm

Reference Value = 62.06 V/m; Power Drift = -0.02 dB

Peak SAR (extrapolated) = 29.4 W/kg

**SAR(1 g) = 7.88 W/kg; SAR(10 g) = 2.31 W/kg**

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



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

Communication System: CW; Frequency: 5200 MHz  
 Medium parameters used:  $f = 5200$  MHz;  $\sigma = 4.579$  S/m;  $\epsilon_r = 35.704$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
 Phantom section: Flat section

**DASY Configuration**

Probe: EX3DV4 - SN3957; ConvF(5.34, 5.34, 5.34); Calibrated: 12/16/2014;  
 Sensor-Surface: 2mm (Mechanical Surface Detection),  $z = 1.0, 21.0$   
 Electronics: DAE4 Sn1409; Calibrated: 12/11/2014  
 Phantom: SAM v5.0 TP:1799; Type: QD000P40CD; Serial: TP:1799  
 MEASUREMENT SW: DASY52, VERSION 52.8 (8);

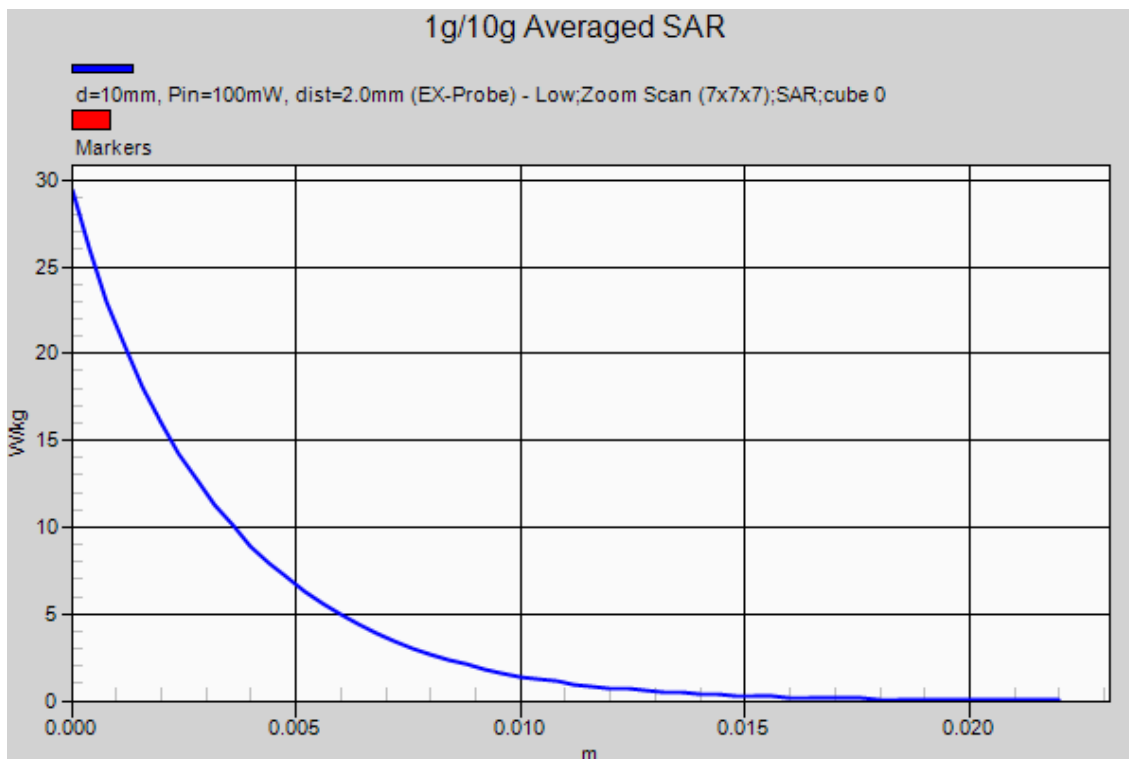
Test date: 2015-4-3; Ambient Temp: 20.8; Tissue Temp: 20.4

**5200 MHz System Verification -Head-**

**Area Scan (5x6x1):** Measurement grid:  $dx=10$ mm,  $dy=10$ mm  
 Maximum value of SAR (measured) = 15.5 W/kg

**Zoom Scan (7x7x11)/Cube 0:** Measurement grid:  $dx=4$ mm,  $dy=4$ mm,  $dz=2$ mm  
 Reference Value = 62.06 V/m; Power Drift = -0.02 dB  
 Peak SAR (extrapolated) = 29.4 W/kg

**SAR(1 g) = 7.88 W/kg; SAR(10 g) = 2.31 W/kg**  
 Maximum value of SAR (measured) = 15.7 W/kg



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

Communication System: CW; Frequency: 5500 MHz  
 Medium parameters used:  $f = 5500$  MHz;  $\sigma = 4.878$  S/m;  $\epsilon_r = 35.510$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
 Phantom section: Flat section

**DASY Configuration**

Probe: EX3DV4 - SN3957; ConvF(4.93, 4.93, 4.93); Calibrated: 12/16/2014;  
 Sensor-Surface: 2mm (Mechanical Surface Detection),  $z = 1.0, 21.0$   
 Electronics: DAE4 Sn1409; Calibrated: 12/11/2014  
 Phantom: SAM v5.0 TP:1799; Type: QD000P40CD; Serial: TP:1799  
 MEASUREMENT SW: DASY52, VERSION 52.8 (8);

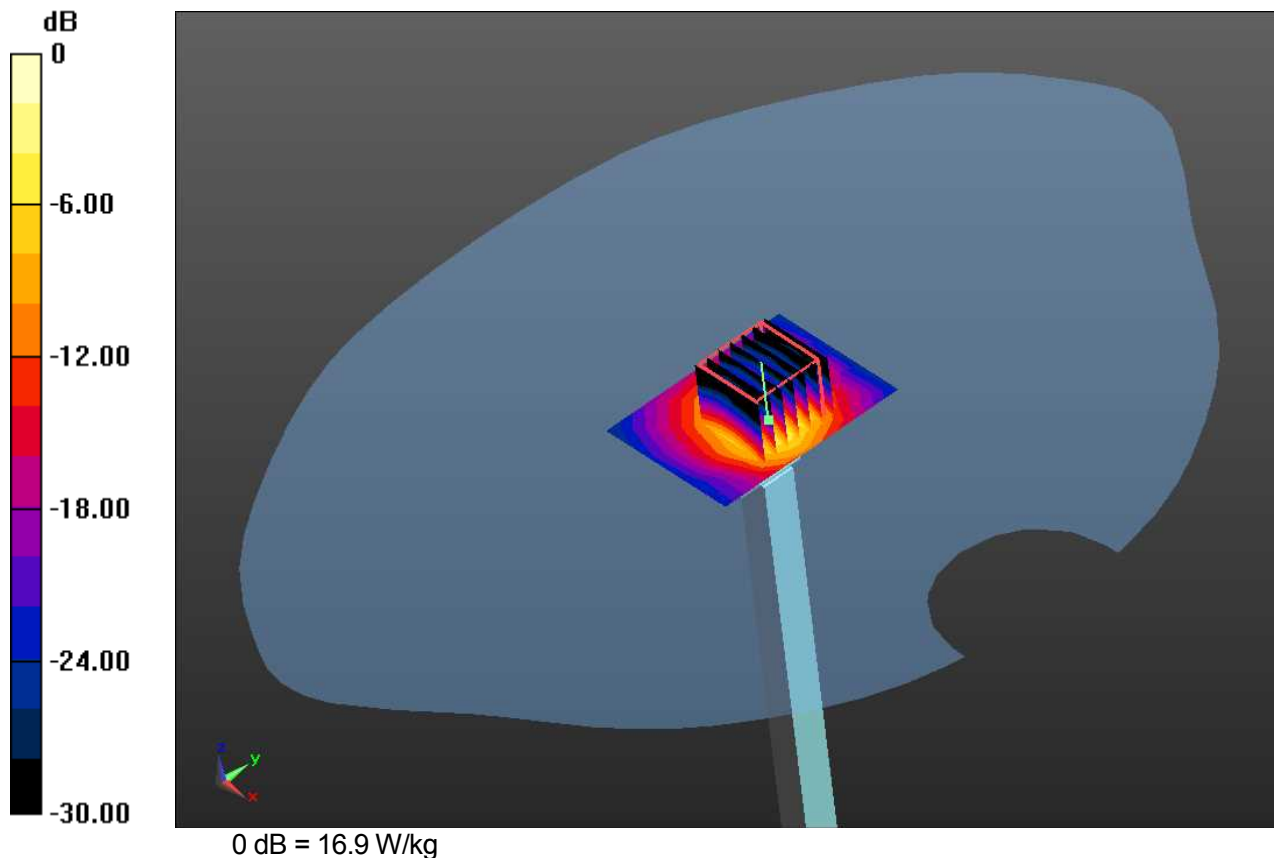
Test date: 2015-4-3; Ambient Temp: 20.8; Tissue Temp: 20.4

**5500 MHz System Verification -Head-**

**Area Scan (5x6x1):** Measurement grid:  $dx=10$ mm,  $dy=10$ mm  
 Maximum value of SAR (measured) = 16.2 W/kg

**Zoom Scan (7x7x11)/Cube 0:** Measurement grid:  $dx=4$ mm,  $dy=4$ mm,  $dz=2$ mm  
 Reference Value = 62.69 V/m; Power Drift = -0.18 dB  
 Peak SAR (extrapolated) = 33.2 W/kg

**SAR(1 g) = 8.35 W/kg; SAR(10 g) = 2.39 W/kg**  
 Maximum value of SAR (measured) = 16.9 W/kg



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

Communication System: CW; Frequency: 5500 MHz  
 Medium parameters used:  $f = 5500$  MHz;  $\sigma = 4.878$  S/m;  $\epsilon_r = 35.510$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
 Phantom section: Flat section

**DASY Configuration**

Probe: EX3DV4 - SN3957; ConvF(4.93, 4.93, 4.93); Calibrated: 12/16/2014;  
 Sensor-Surface: 2mm (Mechanical Surface Detection),  $z = 1.0, 21.0$   
 Electronics: DAE4 Sn1409; Calibrated: 12/11/2014  
 Phantom: SAM v5.0 TP:1799; Type: QD000P40CD; Serial: TP:1799  
 MEASUREMENT SW: DASY52, VERSION 52.8 (8);

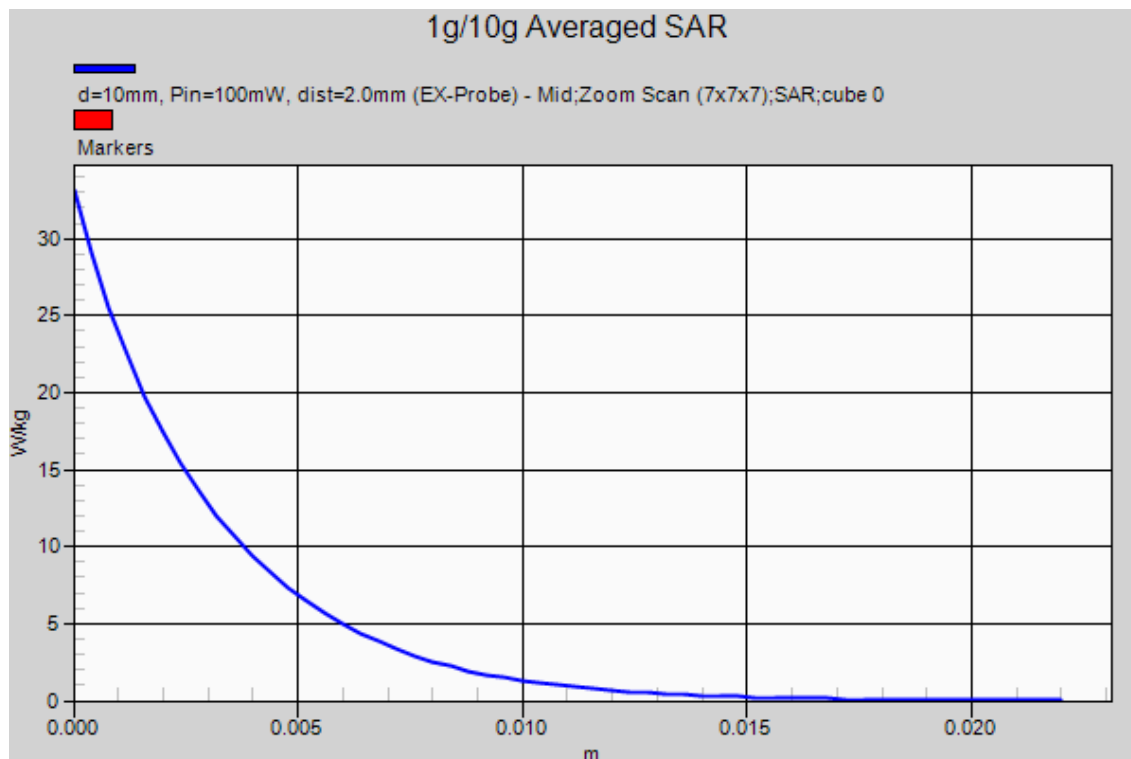
Test date: 2015-4-3; Ambient Temp: 20.8; Tissue Temp: 20.4

**5500 MHz System Verification -Head-**

**Area Scan (5x6x1):** Measurement grid:  $dx=10$ mm,  $dy=10$ mm  
 Maximum value of SAR (measured) = 16.2 W/kg

**Zoom Scan (7x7x11)/Cube 0:** Measurement grid:  $dx=4$ mm,  $dy=4$ mm,  $dz=2$ mm  
 Reference Value = 62.69 V/m; Power Drift = -0.18 dB  
 Peak SAR (extrapolated) = 33.2 W/kg

**SAR(1 g) = 8.35 W/kg; SAR(10 g) = 2.39 W/kg**  
 Maximum value of SAR (measured) = 16.9 W/kg



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

Communication System: CW; Frequency: 5800 MHz

Medium parameters used:  $f = 5800$  MHz;  $\sigma = 5.18$  S/m;  $\epsilon_r = 34.733$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat section

**DASY Configuration**

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

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

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

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

MEASUREMENT SW: DASY52, VERSION 52.8 (8);

Test date: 2015-4-3; Ambient Temp: 20.8; Tissue Temp: 20.4

**5800 MHz System Verification -Head-**

**Area Scan (5x6x1):** Measurement grid:  $dx=10$ mm,  $dy=10$ mm

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

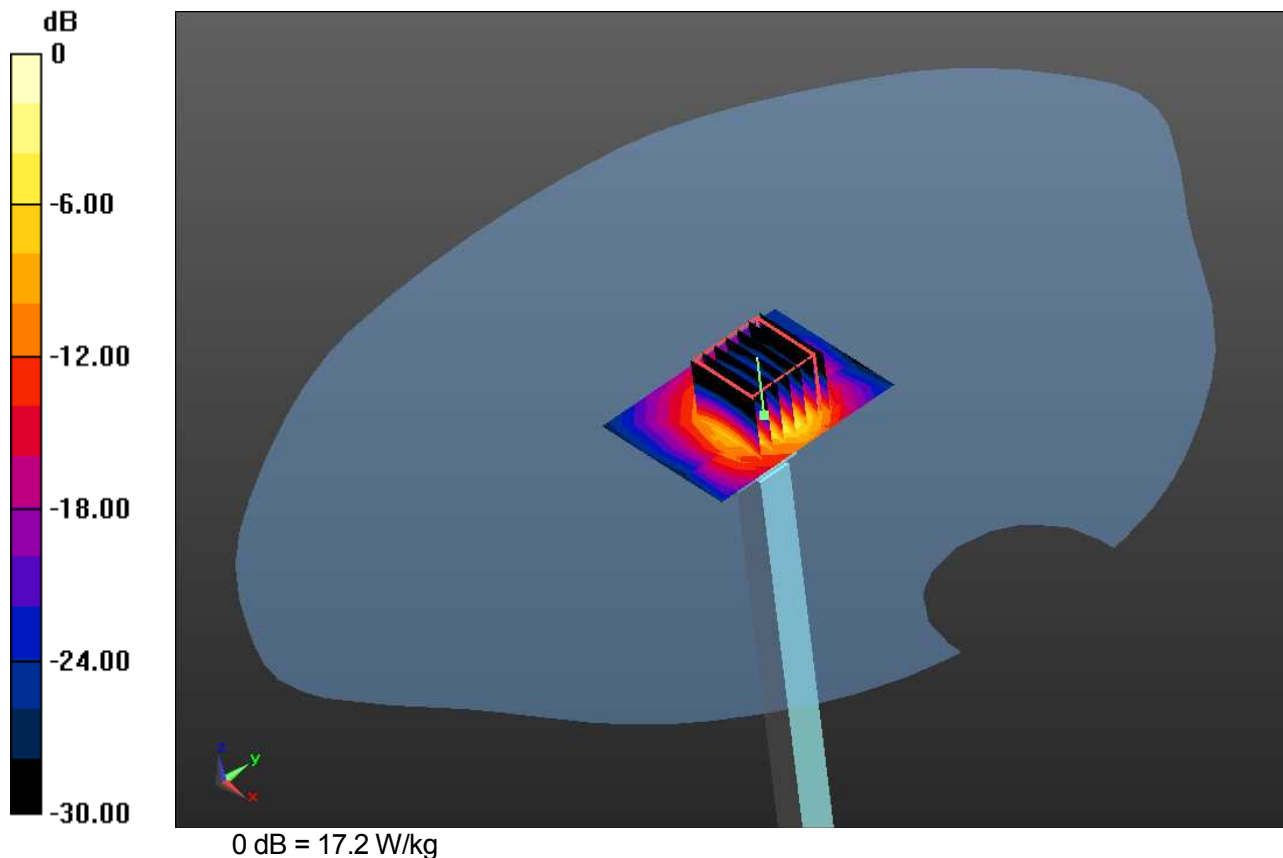
**Zoom Scan (7x7x11)/Cube 0:** Measurement grid:  $dx=4$ mm,  $dy=4$ mm,  $dz=2$ mm

Reference Value = 60.95 V/m; Power Drift = -0.09 dB

Peak SAR (extrapolated) = 35.0 W/kg

**SAR(1 g) = 8.47 W/kg; SAR(10 g) = 2.42 W/kg**

Maximum value of SAR (measured) = 17.2 W/kg



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

Communication System: CW; Frequency: 5800 MHz  
 Medium parameters used:  $f = 5800$  MHz;  $\sigma = 5.18$  S/m;  $\epsilon_r = 34.733$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
 Phantom section: Flat section

**DASY Configuration**

Probe: EX3DV4 - SN3957; ConvF(4.69, 4.69, 4.69); Calibrated: 12/16/2014;  
 Sensor-Surface: 2mm (Mechanical Surface Detection),  $z = 1.0, 21.0$   
 Electronics: DAE4 Sn1409; Calibrated: 12/11/2014  
 Phantom: SAM v5.0 TP:1799; Type: QD000P40CD; Serial: TP:1799  
 MEASUREMENT SW: DASY52, VERSION 52.8 (8);

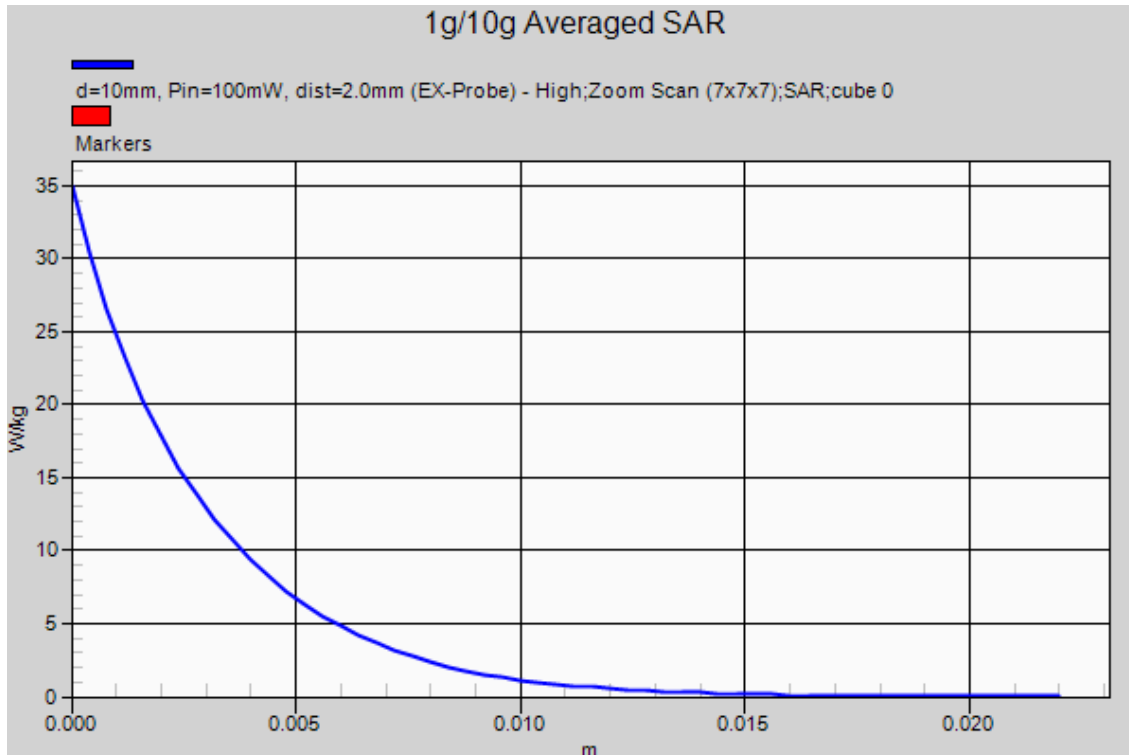
Test date: 2015-4-3; Ambient Temp: 20.8; Tissue Temp: 20.4

**5800 MHz System Verification -Head-**

**Area Scan (5x6x1):** Measurement grid:  $dx=10$ mm,  $dy=10$ mm  
 Maximum value of SAR (measured) = 15.9 W/kg

**Zoom Scan (7x7x11)/Cube 0:** Measurement grid:  $dx=4$ mm,  $dy=4$ mm,  $dz=2$ mm  
 Reference Value = 60.95 V/m; Power Drift = -0.09 dB  
 Peak SAR (extrapolated) = 35.0 W/kg

**SAR(1 g) = 8.47 W/kg; SAR(10 g) = 2.42 W/kg**  
 Maximum value of SAR (measured) = 17.2 W/kg



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

Communication System: CW; Frequency: 5200 MHz

 Medium parameters used:  $f = 5200$  MHz;  $\sigma = 5.199$  S/m;  $\epsilon_r = 47.741$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat section

**DASY Configuration**

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

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

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

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

MEASUREMENT SW: DASY52, VERSION 52.8 (8);

Test date: 2015-4-4; Ambient Temp: 21.2; Tissue Temp: 21.0

**5200 MHz System Verification -Body-**
**Area Scan (5x6x1):** Measurement grid:  $dx=10$ mm,  $dy=10$ mm

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

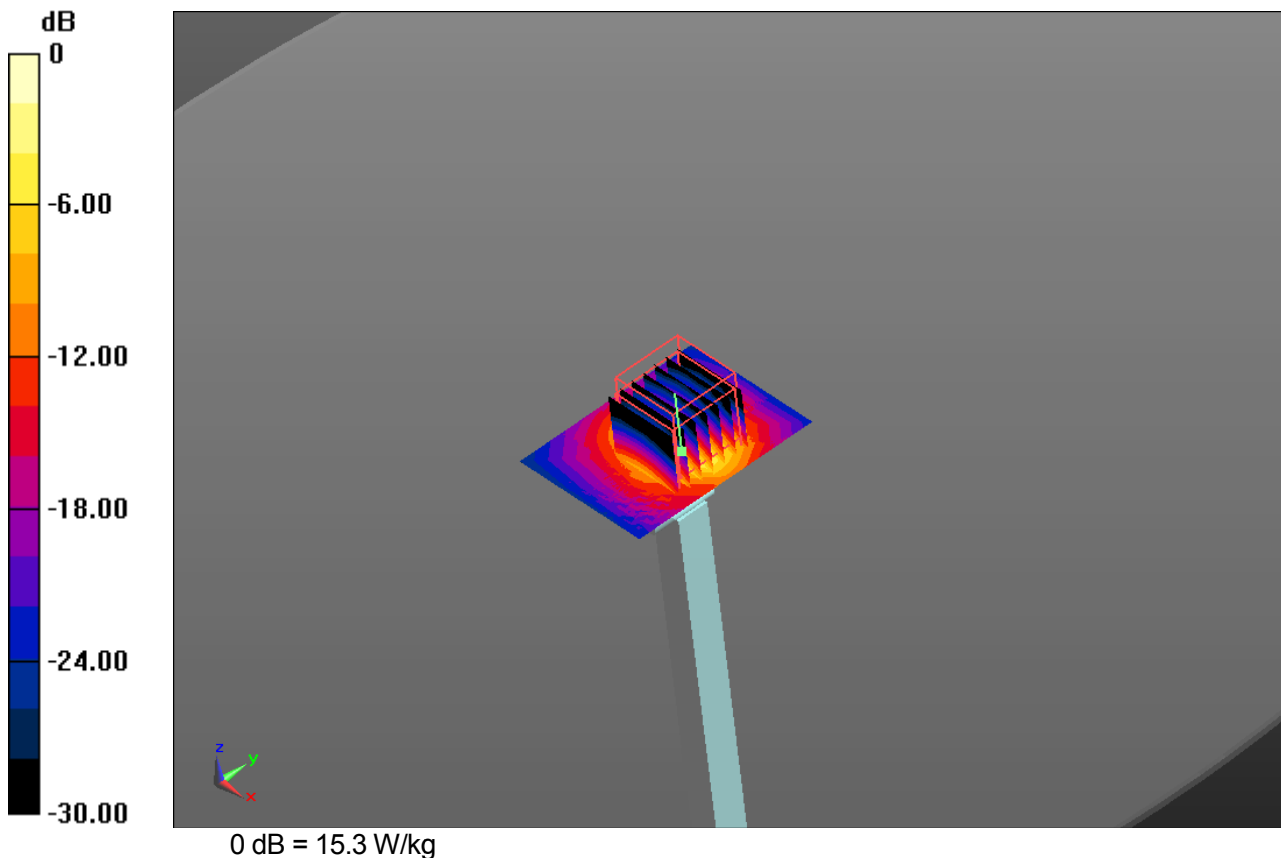
**Zoom Scan (7x7x11)/Cube 0:** Measurement grid:  $dx=4$ mm,  $dy=4$ mm,  $dz=2$ mm

Reference Value = 58.89 V/m; Power Drift = 0.10 dB

Peak SAR (extrapolated) = 33.6 W/kg

**SAR(1 g) = 7.87 W/kg; SAR(10 g) = 2.21 W/kg**

Maximum value of SAR (measured) = 15.3 W/kg



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

Communication System: CW; Frequency: 5200 MHz  
 Medium parameters used:  $f = 5200$  MHz;  $\sigma = 5.199$  S/m;  $\epsilon_r = 47.741$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
 Phantom section: Flat section

**DASY Configuration**

Probe: EX3DV4 - SN3957; ConvF(4.49, 4.49, 4.49); Calibrated: 12/16/2014;  
 Sensor-Surface: 2mm (Mechanical Surface Detection),  $z = 1.0, 21.0$   
 Electronics: DAE4 Sn1409; Calibrated: 12/11/2014  
 Phantom: ELI v5.0 (20deg probe tilt) TP;1230; Type: QDOVA001BB; Serial: TP:1230  
 MEASUREMENT SW: DASY52, VERSION 52.8 (8);

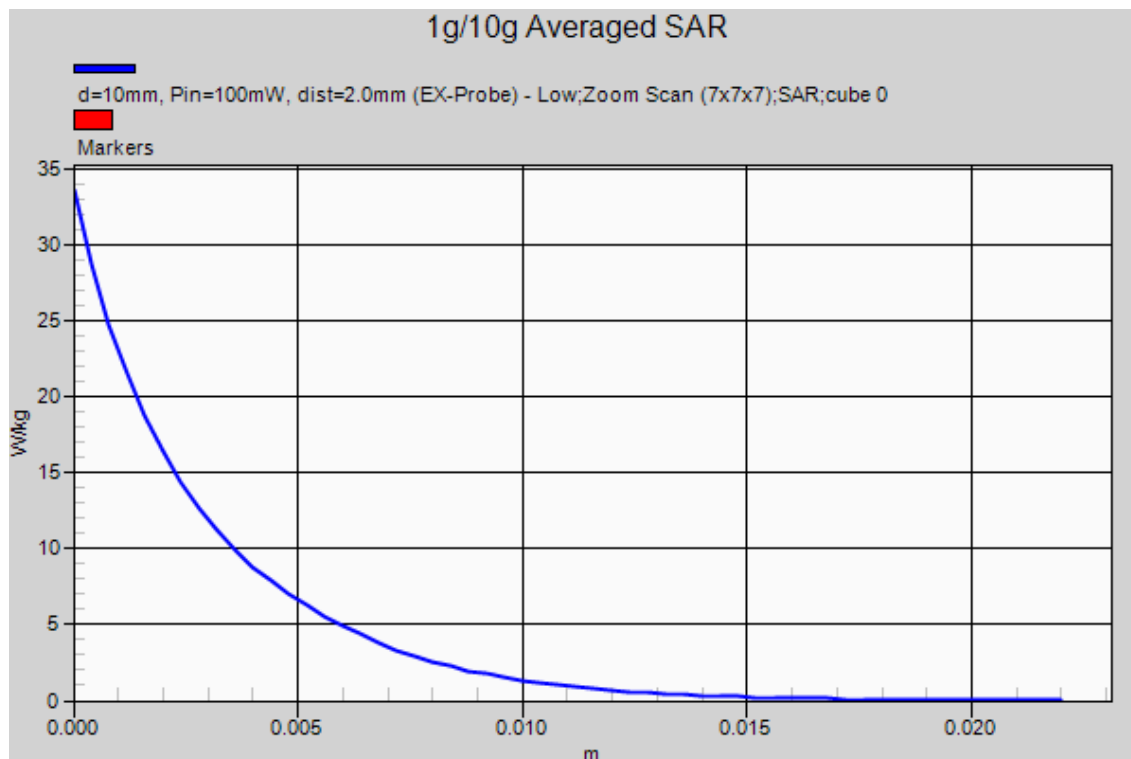
Test date: 2015-4-4; Ambient Temp: 21.2; Tissue Temp: 21.0

**5200 MHz System Verification -Body-**

**Area Scan (5x6x1):** Measurement grid:  $dx=10$ mm,  $dy=10$ mm  
 Maximum value of SAR (measured) = 13.6 W/kg

**Zoom Scan (7x7x11)/Cube 0:** Measurement grid:  $dx=4$ mm,  $dy=4$ mm,  $dz=2$ mm  
 Reference Value = 58.89 V/m; Power Drift = 0.10 dB  
 Peak SAR (extrapolated) = 33.6 W/kg

**SAR(1 g) = 7.87 W/kg; SAR(10 g) = 2.21 W/kg**  
 Maximum value of SAR (measured) = 15.3 W/kg





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

Communication System: CW; Frequency: 5500 MHz  
 Medium parameters used:  $f = 5500$  MHz;  $\sigma = 5.568$  S/m;  $\epsilon_r = 47.348$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
 Phantom section: Flat section

### DASY Configuration

Probe: EX3DV4 - SN3957; ConvF(4.01, 4.01, 4.01); Calibrated: 12/16/2014;  
 Sensor-Surface: 2mm (Mechanical Surface Detection),  $z = 1.0, 21.0$   
 Electronics: DAE4 Sn1409; Calibrated: 12/11/2014  
 Phantom: ELI v5.0 (20deg probe tilt) TP;1230; Type: QDOVA001BB; Serial: TP:1230  
 MEASUREMENT SW: DASY52, VERSION 52.8 (8);

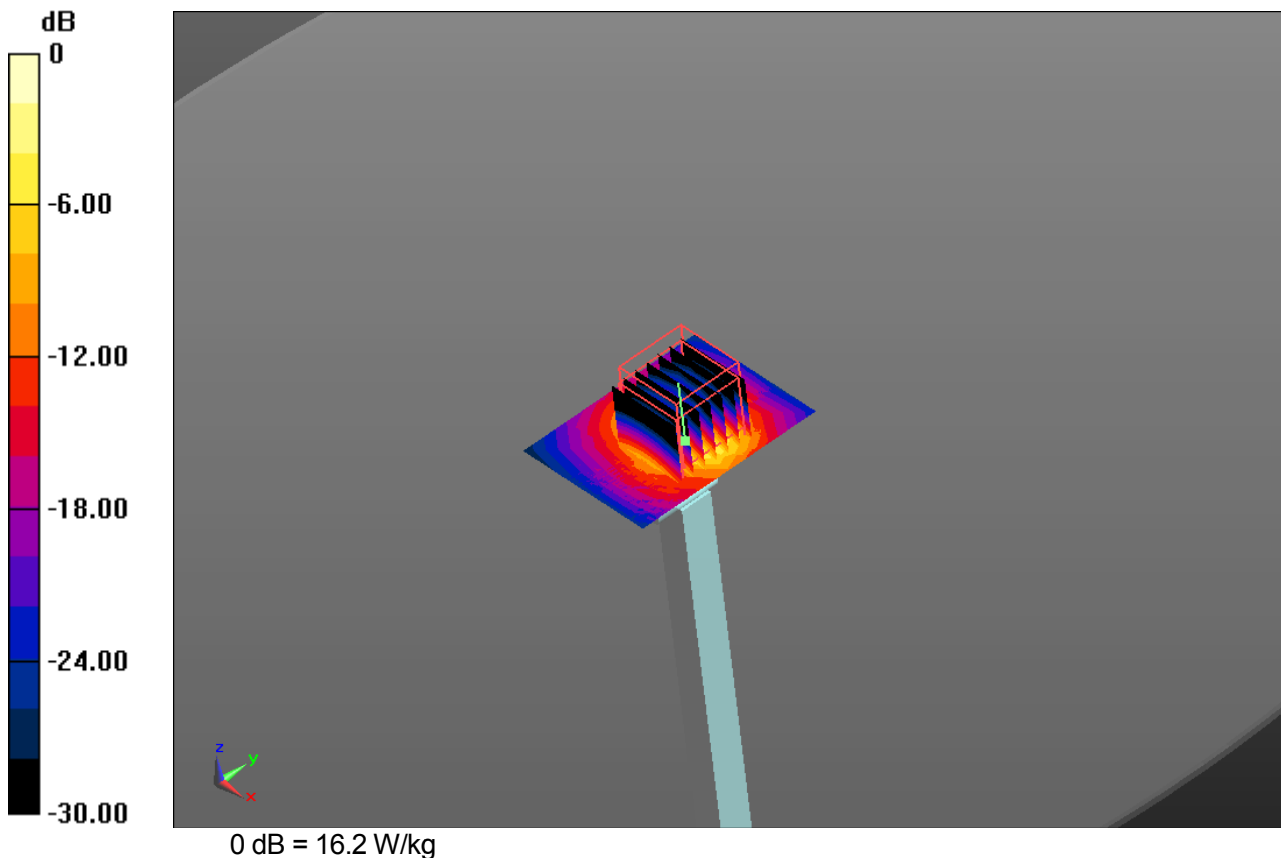
Test date: 2015-4-4; Ambient Temp: 21.2; Tissue Temp: 21.0

### 5500 MHz System Verification -Body-

**Area Scan (5x6x1):** Measurement grid:  $dx=10$ mm,  $dy=10$ mm  
 Maximum value of SAR (measured) = 15.5 W/kg

**Zoom Scan (7x7x11)/Cube 0:** Measurement grid:  $dx=4$ mm,  $dy=4$ mm,  $dz=2$ mm  
 Reference Value = 59.71 V/m; Power Drift = 0.04 dB  
 Peak SAR (extrapolated) = 36.8 W/kg

**SAR(1 g) = 8.28 W/kg; SAR(10 g) = 2.32 W/kg**  
 Maximum value of SAR (measured) = 16.2 W/kg



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

Communication System: CW; Frequency: 5500 MHz  
 Medium parameters used:  $f = 5500$  MHz;  $\sigma = 5.568$  S/m;  $\epsilon_r = 47.348$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
 Phantom section: Flat section

**DASY Configuration**

Probe: EX3DV4 - SN3957; ConvF(4.01, 4.01, 4.01); Calibrated: 12/16/2014;  
 Sensor-Surface: 2mm (Mechanical Surface Detection),  $z = 1.0, 21.0$   
 Electronics: DAE4 Sn1409; Calibrated: 12/11/2014  
 Phantom: ELI v5.0 (20deg probe tilt) TP;1230; Type: QDOVA001BB; Serial: TP:1230  
 MEASUREMENT SW: DASY52, VERSION 52.8 (8);

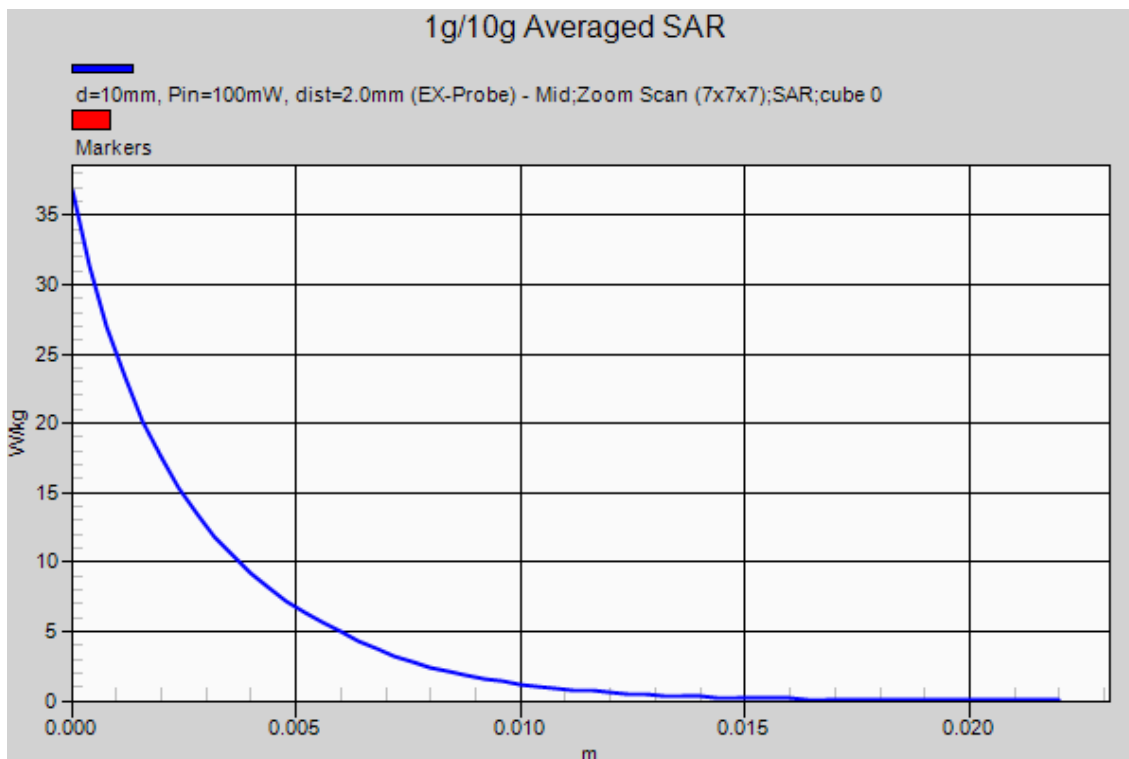
Test date: 2015-4-4; Ambient Temp: 21.2; Tissue Temp: 21.0

**5500 MHz System Verification -Body-**

**Area Scan (5x6x1):** Measurement grid:  $dx=10$ mm,  $dy=10$ mm  
 Maximum value of SAR (measured) = 15.5 W/kg

**Zoom Scan (7x7x11)/Cube 0:** Measurement grid:  $dx=4$ mm,  $dy=4$ mm,  $dz=2$ mm  
 Reference Value = 59.71 V/m; Power Drift = 0.04 dB  
 Peak SAR (extrapolated) = 36.8 W/kg

**SAR(1 g) = 8.28 W/kg; SAR(10 g) = 2.32 W/kg**  
 Maximum value of SAR (measured) = 16.2 W/kg



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

Communication System: CW; Frequency: 5800 MHz

 Medium parameters used:  $f = 5800$  MHz;  $\sigma = 5.946$  S/m;  $\epsilon_r = 46.928$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat section

**DASY Configuration**

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

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

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

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

MEASUREMENT SW: DASY52, VERSION 52.8 (8);

Test date: 2015-4-4; Ambient Temp: 21.2; Tissue Temp: 21.0

**5800 MHz System Verification -Body-**
**Area Scan (5x6x1):** Measurement grid:  $dx=10$ mm,  $dy=10$ mm

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

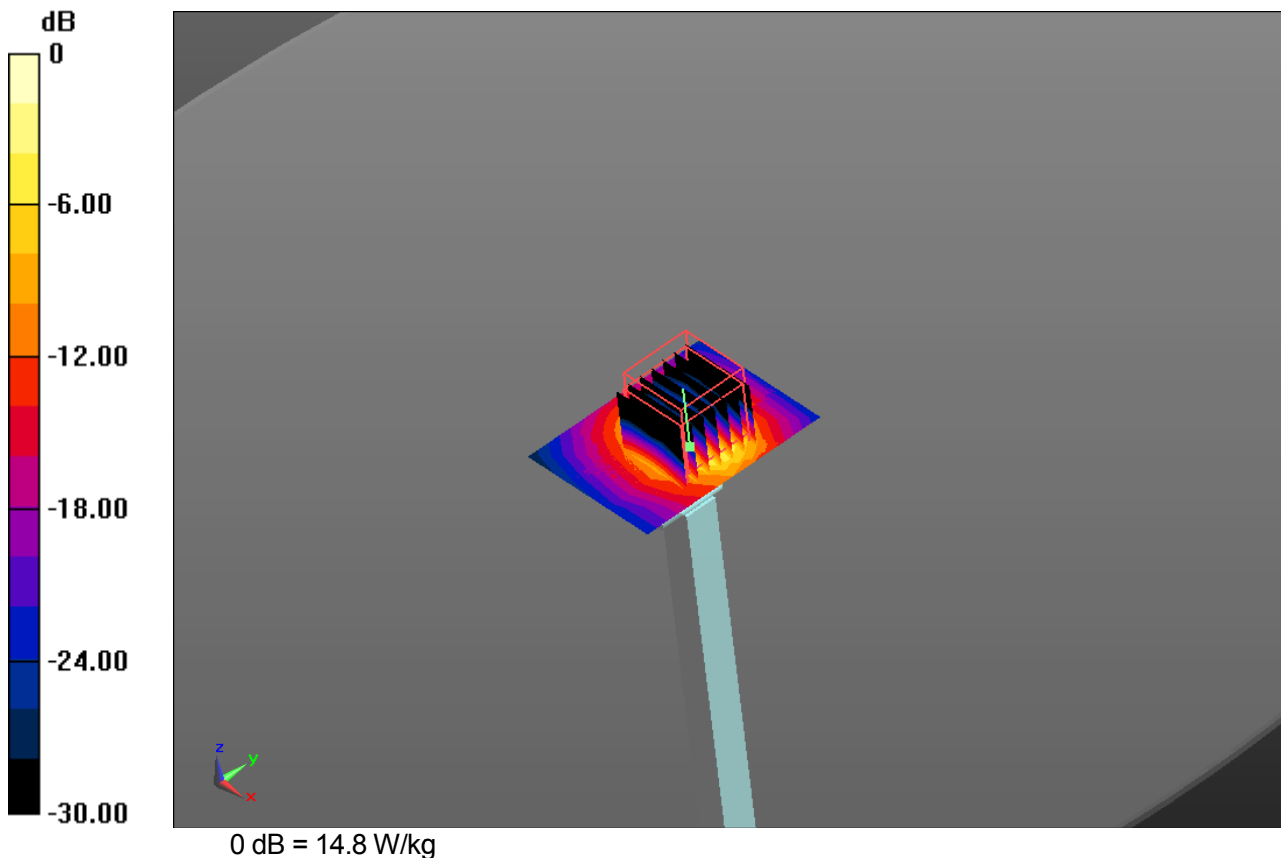
**Zoom Scan (7x7x11)/Cube 0:** Measurement grid:  $dx=4$ mm,  $dy=4$ mm,  $dz=2$ mm

Reference Value = 54.97 V/m; Power Drift = 0.18 dB

Peak SAR (extrapolated) = 33.4 W/kg

**SAR(1 g) = 7.3 W/kg; SAR(10 g) = 2.04 W/kg**

Maximum value of SAR (measured) = 14.8 W/kg



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

Communication System: CW; Frequency: 5800 MHz  
 Medium parameters used:  $f = 5800$  MHz;  $\sigma = 5.946$  S/m;  $\epsilon_r = 46.928$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
 Phantom section: Flat section

**DASY Configuration**

Probe: EX3DV4 - SN3957; ConvF(4.03, 4.03, 4.03); Calibrated: 12/16/2014;  
 Sensor-Surface: 2mm (Mechanical Surface Detection),  $z = 1.0, 21.0$   
 Electronics: DAE4 Sn1409; Calibrated: 12/11/2014  
 Phantom: ELI v5.0 (20deg probe tilt) TP;1230; Type: QDOVA001BB; Serial: TP:1230  
 MEASUREMENT SW: DASY52, VERSION 52.8 (8);

Test date: 2015-4-4; Ambient Temp: 21.2; Tissue Temp: 21.0

**5800 MHz System Verification -Body-**

**Area Scan (5x6x1):** Measurement grid:  $dx=10$ mm,  $dy=10$ mm  
 Maximum value of SAR (measured) = 14.3 W/kg

**Zoom Scan (7x7x11)/Cube 0:** Measurement grid:  $dx=4$ mm,  $dy=4$ mm,  $dz=2$ mm  
 Reference Value = 54.97 V/m; Power Drift = 0.18 dB  
 Peak SAR (extrapolated) = 33.4 W/kg

**SAR(1 g) = 7.3 W/kg; SAR(10 g) = 2.04 W/kg**  
 Maximum value of SAR (measured) = 14.8 W/kg

