

## 20130207\_SystemPerformanceCheck-D2450V2 SN 899

Frequency: 2450 MHz; Duty Cycle: 1:1; Room Ambient Temperature: 24.0°C; Liquid Temperature: 23.0°C

Medium parameters used:  $f = 2450$  MHz;  $\sigma = 1.993$  mho/m;  $\epsilon_r = 50.814$ ;  $\rho = 1000$  kg/m<sup>3</sup>

DASY5 Configuration:

- Area Scan Setting: Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.0012W/kg
- Averaged Fast SAR: Polynomial fit
- Electronics: DAE4 Sn1352; Calibrated: 10/8/2012
- Probe: EX3DV4 - SN3885; ConvF(6.8, 6.8, 6.8); Calibrated: 10/9/2012;
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Phantom: ELI v5.0 (B); Type: QDOVA001BB; Serial: 1185

**Body/Pin=100 mW 2/Area Scan (71x71x1):** Interpolated grid: dx=1.200 mm, dy=1.200 mm

Reference Value = 59.512 V/m; Power Drift = -0.05 dB

**Fast SAR: SAR(1 g) = 5.47 W/kg; SAR(10 g) = 2.34 W/kg**

Maximum value of SAR (interpolated) = 8.04 W/kg

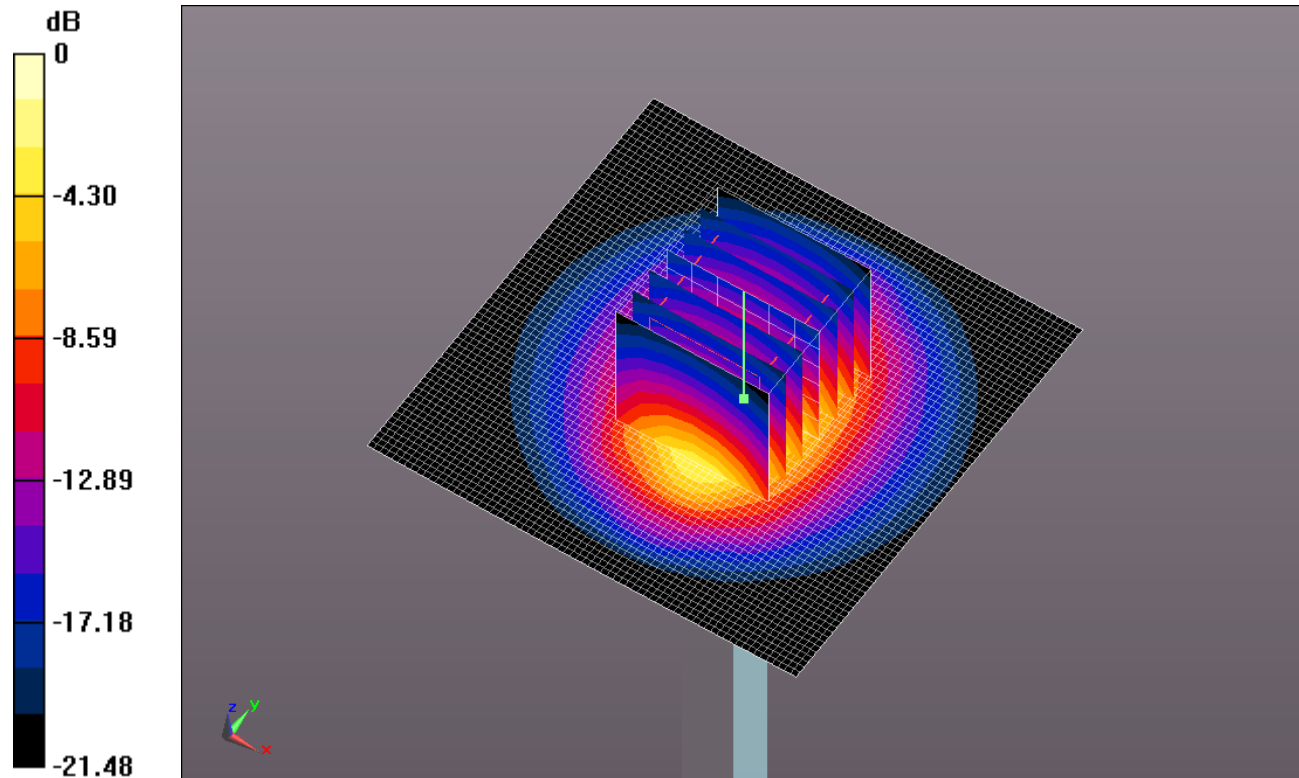
**Body/Pin=100 mW 2/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 59.512 V/m; Power Drift = -0.05 dB

Peak SAR (extrapolated) = 11.4 W/kg

**SAR(1 g) = 5.49 W/kg; SAR(10 g) = 2.56 W/kg**

Maximum value of SAR (measured) = 7.81 W/kg

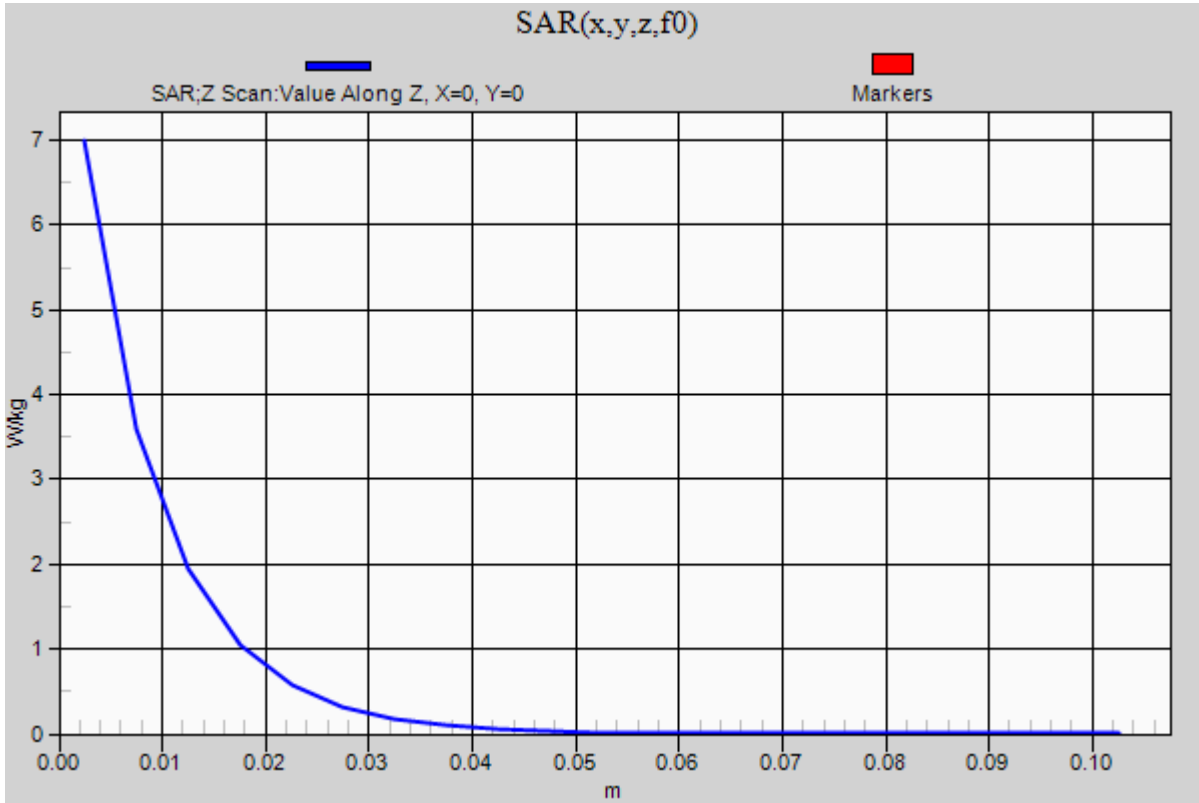


0 dB = 7.81 W/kg = 8.93 dBW/kg

## 20130207\_SystemPerformanceCheck-D2450V2 SN 899

Frequency: 2450 MHz; Duty Cycle: 1:1

**Body/Pin=100 mW 2/Z Scan (1x1x21):** Measurement grid: dx=20mm, dy=20mm, dz=5mm  
Maximum value of SAR (measured) = 6.99 W/kg



**20130213\_SystemPerformanceCheck-D835V2 SN 4d117**

Frequency: 835 MHz; Duty Cycle: 1:1; Room Ambient Temperature: 23.0°C; Liquid Temperature: 22.0°C

Medium parameters used:  $f = 835$  MHz;  $\sigma = 1.015$  mho/m;  $\epsilon_r = 54.772$ ;  $\rho = 1000$  kg/m<sup>3</sup>

DASY5 Configuration:

- Area Scan Setting: Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.0012W/kg
- Averaged Fast SAR: Polynomial fit
- Electronics: DAE4 Sn1258; Calibrated: 3/8/2012
- Probe: EX3DV4 - SN3749; ConvF(8.67, 8.67, 8.67); Calibrated: 1/15/2013;
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Phantom: ELI v5.0 (B); Type: QDOVA001BB; Serial: 1118

**Body/Pin=100 mW/Area Scan (7x7x1):** Measurement grid: dx=15mm, dy=15mm

Reference Value = 35.361 V/m; Power Drift = -0.04 dB

**Fast SAR: SAR(1 g) = 1.05 W/kg; SAR(10 g) = 0.701 W/kg**

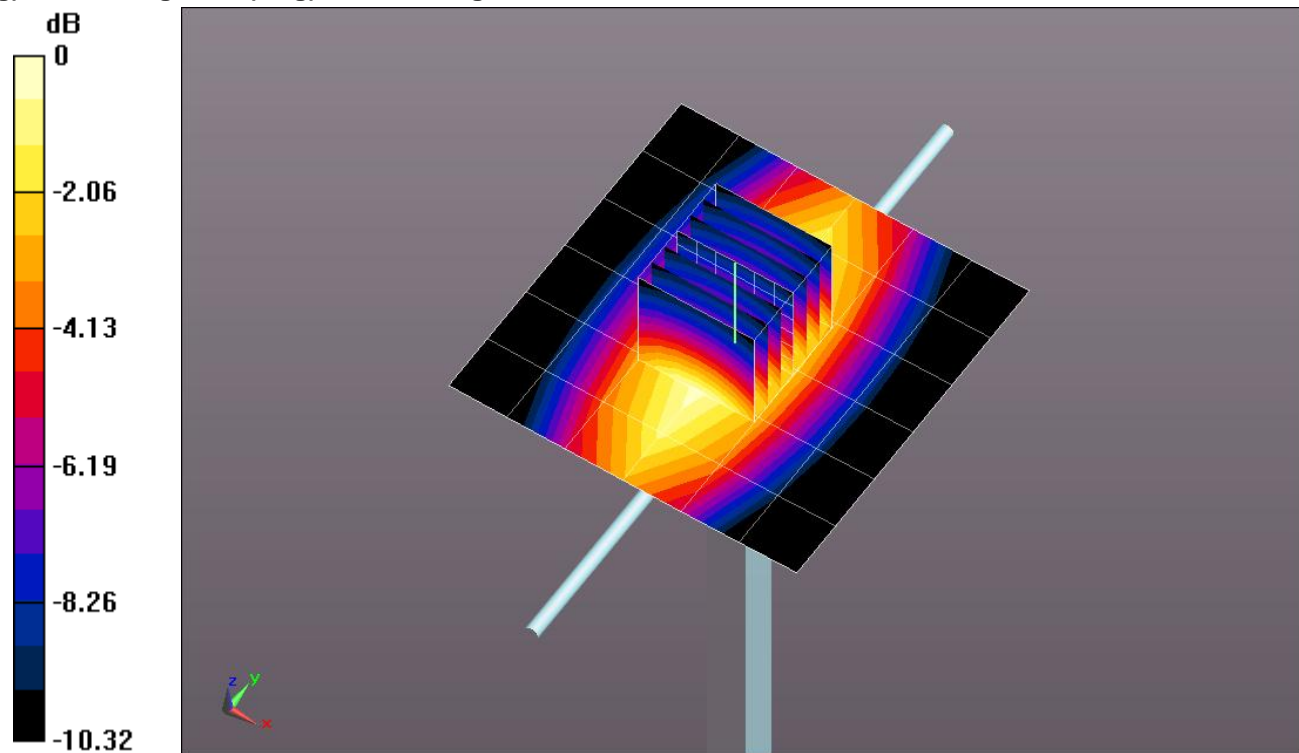
Maximum value of SAR (interpolated) = 1.24 W/kg

**Body/Pin=100 mW/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 35.361 V/m; Power Drift = -0.04 dB

Peak SAR (extrapolated) = 1.53 W/kg

**SAR(1 g) = 1.02 W/kg; SAR(10 g) = 0.669 W/kg**

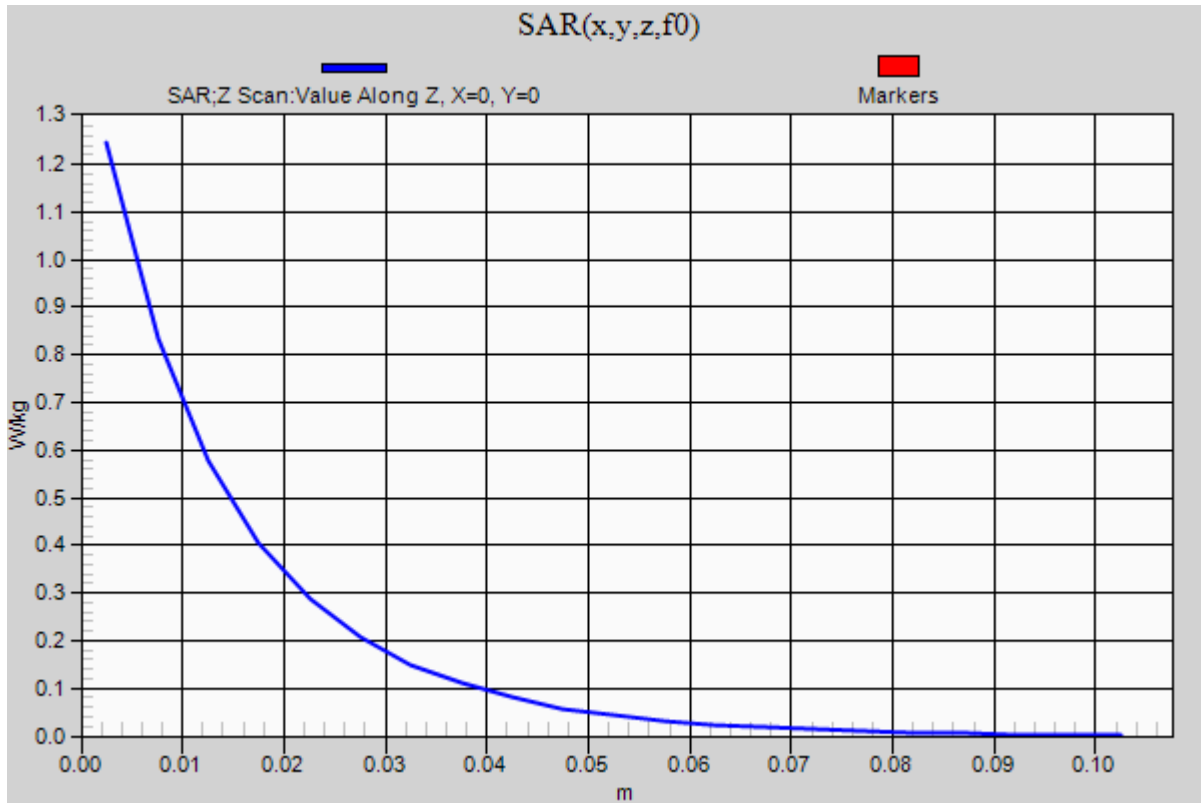


0 dB = 1.24 W/kg = 0.93 dBW/kg

### 20130213\_SystemPerformanceCheck-D835V2 SN 4d117

Frequency: 835 MHz; Duty Cycle: 1:1

**Body/Pin=100 mW/Z Scan (1x1x21):** Measurement grid: dx=20mm, dy=20mm, dz=5mm  
Maximum value of SAR (measured) = 1.25 W/kg



## 20130214\_SystemPerformanceCheck-D1750V2 SN 1077

Frequency: 1750 MHz; Duty Cycle: 1:1; Room Ambient Temperature: 24.0°C; Liquid Temperature: 23.0°C

Medium parameters used:  $f = 1750$  MHz;  $\sigma = 1.351$  mho/m;  $\epsilon_r = 38.831$ ;  $\rho = 1000$  kg/m<sup>3</sup>

DASY5 Configuration:

- Area Scan Setting: Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.0012W/kg
- Averaged Fast SAR: Polynomial fit
- Electronics: DAE4 Sn1343; Calibrated: 8/20/2012
- Probe: EX3DV4 - SN3871; ConvF(8.62, 8.62, 8.62); Calibrated: 8/20/2012;
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Phantom: SAM with CRP; Type: SAM; Serial: GF-VE20

**Head/Pin=100 mW/Area Scan (61x61x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm

Reference Value = 58.375 V/m; Power Drift = -0.03 dB

**Fast SAR: SAR(1 g) = 3.62 W/kg; SAR(10 g) = 1.94 W/kg**

Maximum value of SAR (interpolated) = 4.69 W/kg

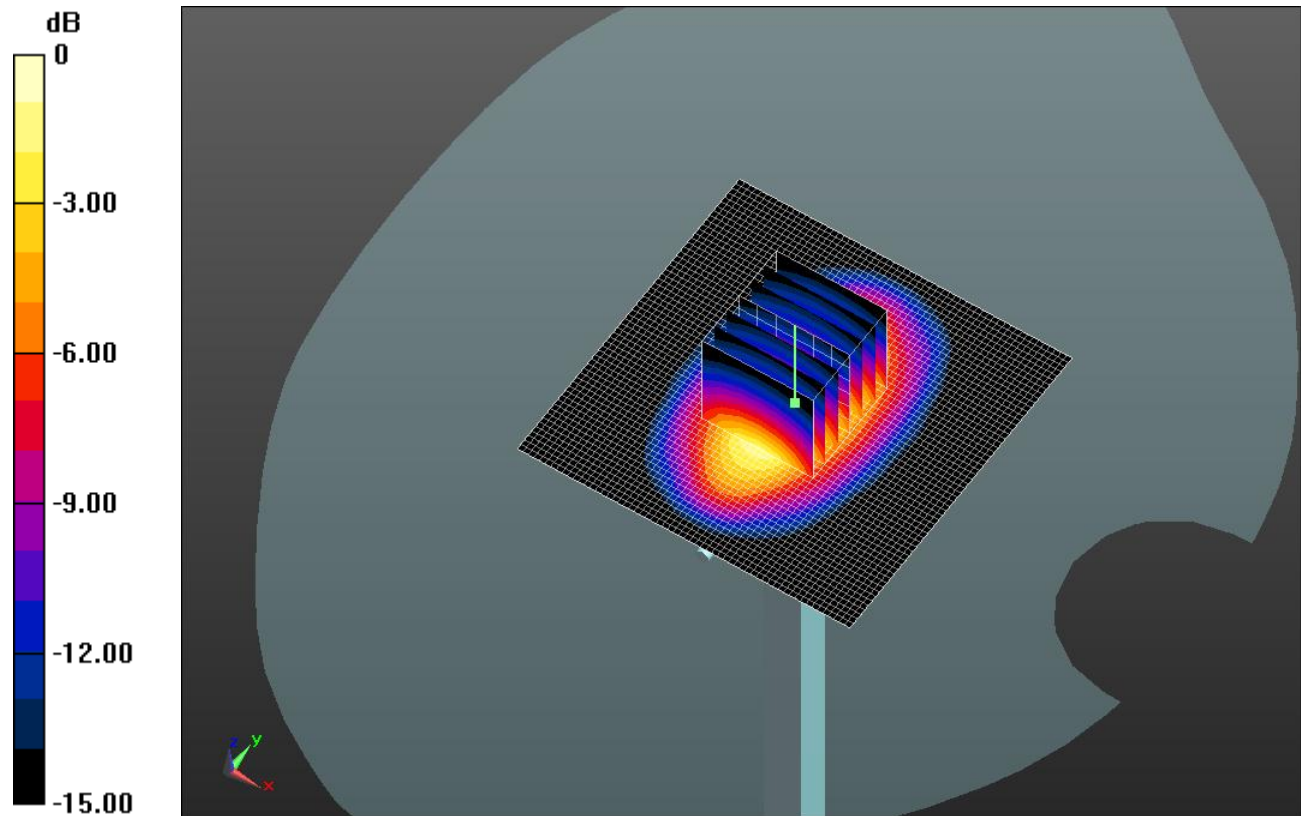
**Head/Pin=100 mW/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 58.375 V/m; Power Drift = -0.03 dB

Peak SAR (extrapolated) = 6.39 W/kg

**SAR(1 g) = 3.46 W/kg; SAR(10 g) = 1.83 W/kg**

Maximum value of SAR (measured) = 4.70 W/kg

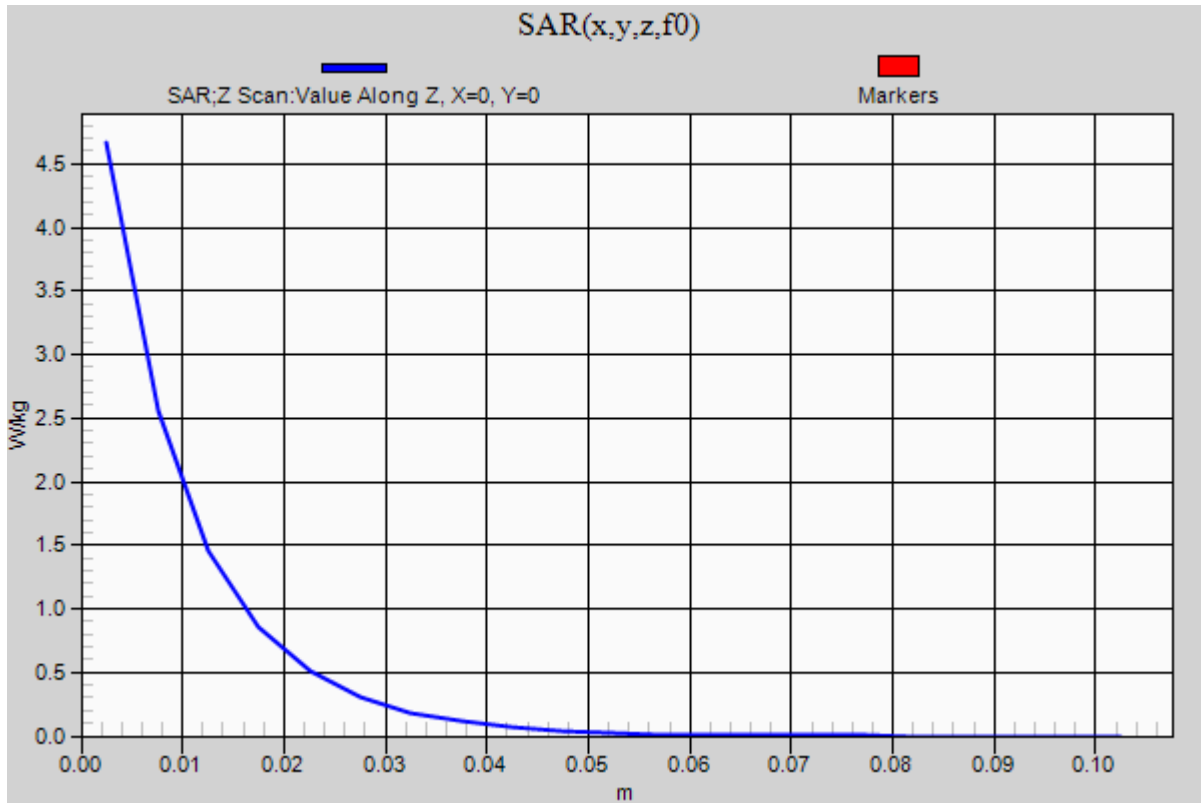


0 dB = 4.70 W/kg = 6.72 dBW/kg

## 20130214\_SystemPerformanceCheck-D1750V2 SN 1077

Frequency: 1750 MHz; Duty Cycle: 1:1

**Head/Pin=100 mW/Z Scan (1x1x21):** Measurement grid: dx=20mm, dy=20mm, dz=5mm  
Maximum value of SAR (measured) = 4.67 W/kg



## 20130215\_SystemPerformanceCheck-D750V3 SN 1071

Frequency: 750 MHz; Duty Cycle: 1:1; Room Ambient Temperature: 23.0°C; Liquid Temperature: 22.0°C  
Medium parameters used:  $f = 750$  MHz;  $\sigma = 0.923$  mho/m;  $\epsilon_r = 40.199$ ;  $\rho = 1000$  kg/m<sup>3</sup>

DASY5 Configuration:

- Area Scan Setting: Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.0012W/kg
- Averaged Fast SAR: Polynomial fit
- Electronics: DAE4 Sn1352; Calibrated: 10/8/2012
- Probe: EX3DV4 - SN3885; ConvF(9.68, 9.68, 9.68); Calibrated: 10/9/2012;
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Phantom: SAM with CRP; Type: SAM; 1740

**Head/Pin=100 mW/Area Scan (61x61x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm

Reference Value = 35.009 V/m; Power Drift = 0.01 dB

**Fast SAR: SAR(1 g) = 0.933 W/kg; SAR(10 g) = 0.632 W/kg**

Maximum value of SAR (interpolated) = 1.10 W/kg

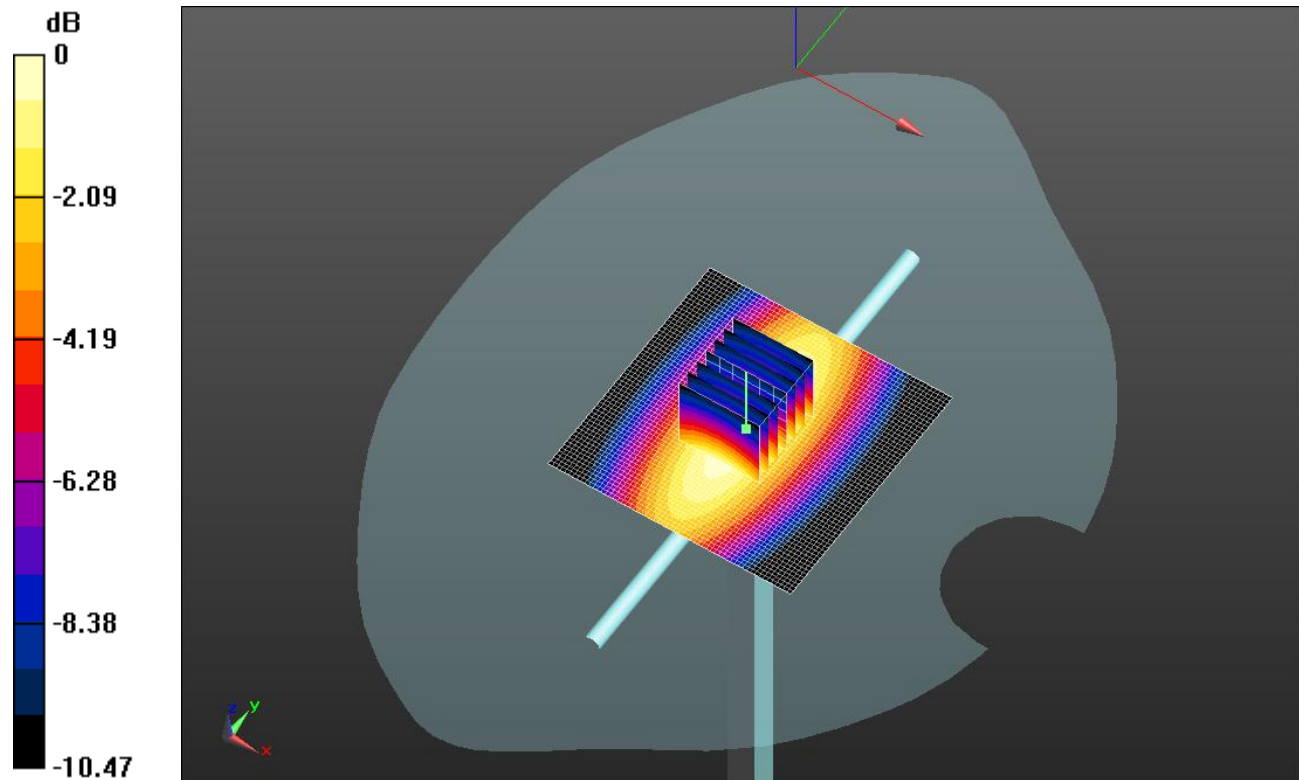
**Head/Pin=100 mW/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 35.009 V/m; Power Drift = 0.01 dB

Peak SAR (extrapolated) = 1.39 W/kg

**SAR(1 g) = 0.901 W/kg; SAR(10 g) = 0.588 W/kg**

Maximum value of SAR (measured) = 1.11 W/kg

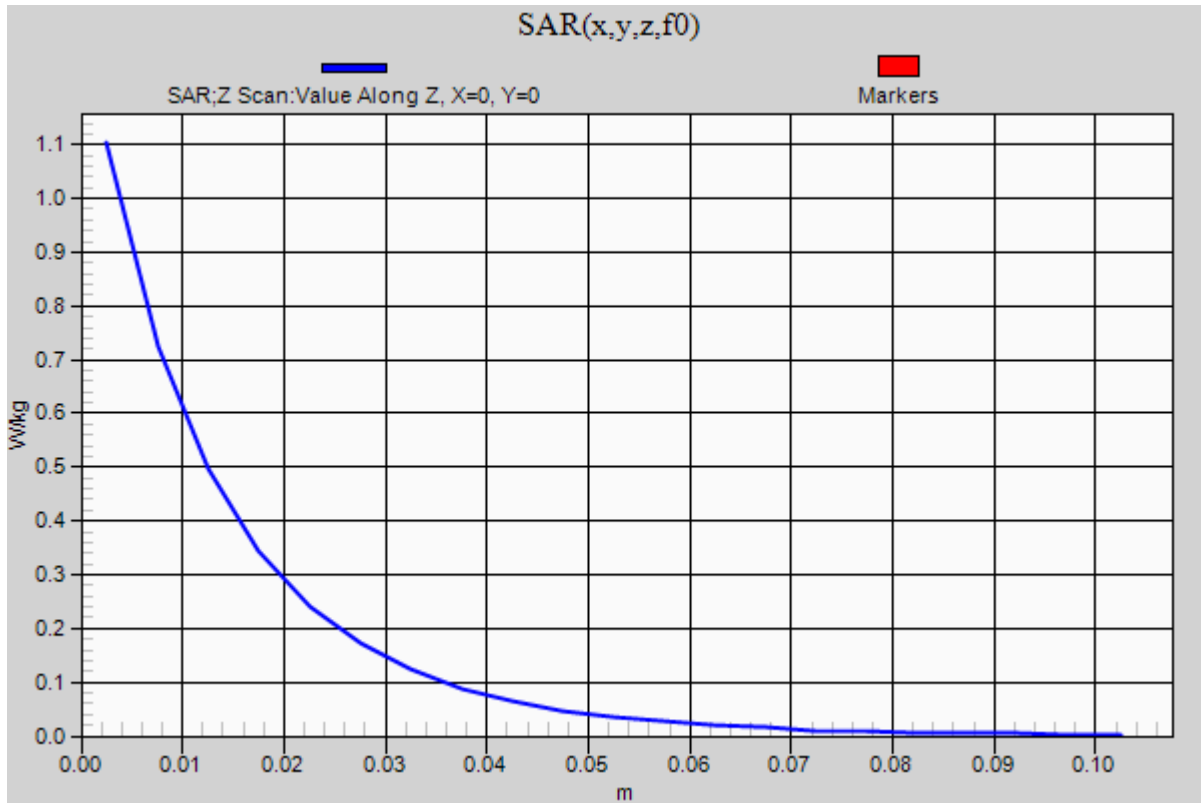


0 dB = 1.11 W/kg = 0.45 dBW/kg

## 20130215\_SystemPerformanceCheck-D750V3 SN 1071

Frequency: 750 MHz; Duty Cycle: 1:1

**Head/Pin=100 mW/Z Scan (1x1x21):** Measurement grid: dx=20mm, dy=20mm, dz=5mm  
Maximum value of SAR (measured) = 1.10 W/kg





## 20130218\_SystemPerformanceCheck-D1900V2 SN 5d043

Frequency: 1900 MHz; Duty Cycle: 1:1; Room Ambient Temperature: 23.0°C; Liquid Temperature: 22.0°C  
 Medium parameters used:  $f = 1900 \text{ MHz}$ ;  $\sigma = 1.55 \text{ mho/m}$ ;  $\epsilon_r = 51.131$ ;  $\rho = 1000 \text{ kg/m}^3$

DASY5 Configuration:

- Area Scan Setting: Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.0012W/kg
- Averaged Fast SAR: Polynomial fit
- Electronics: DAE4 Sn1258; Calibrated: 3/8/2012
- Probe: EX3DV4 - SN3749; ConvF(6.99, 6.99, 6.99); Calibrated: 1/15/2013;
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Phantom: ELI v5.0 (A); Type: QDOVA001BB; Serial: 1117

**Body/Pin=100 mW/Area Scan (61x61x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm

Reference Value = 60.727 V/m; Power Drift = 0.14 dB

**Fast SAR: SAR(1 g) = 4.38 W/kg; SAR(10 g) = 2.22 W/kg**

Maximum value of SAR (interpolated) = 5.84 W/kg

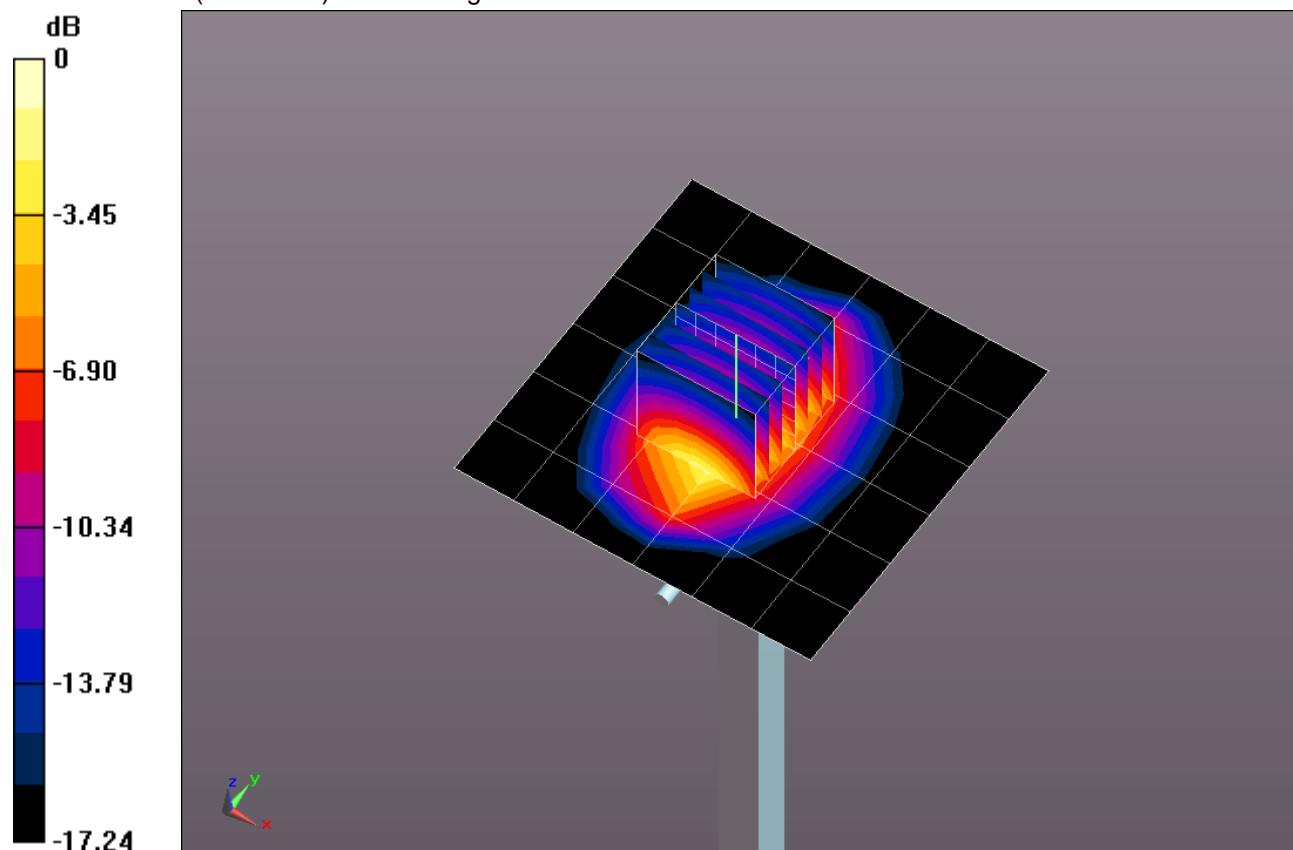
**Body/Pin=100 mW/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 60.727 V/m; Power Drift = 0.14 dB

Peak SAR (extrapolated) = 7.87 W/kg

**SAR(1 g) = 4.33 W/kg; SAR(10 g) = 2.26 W/kg**

Maximum value of SAR (measured) = 5.85 W/kg

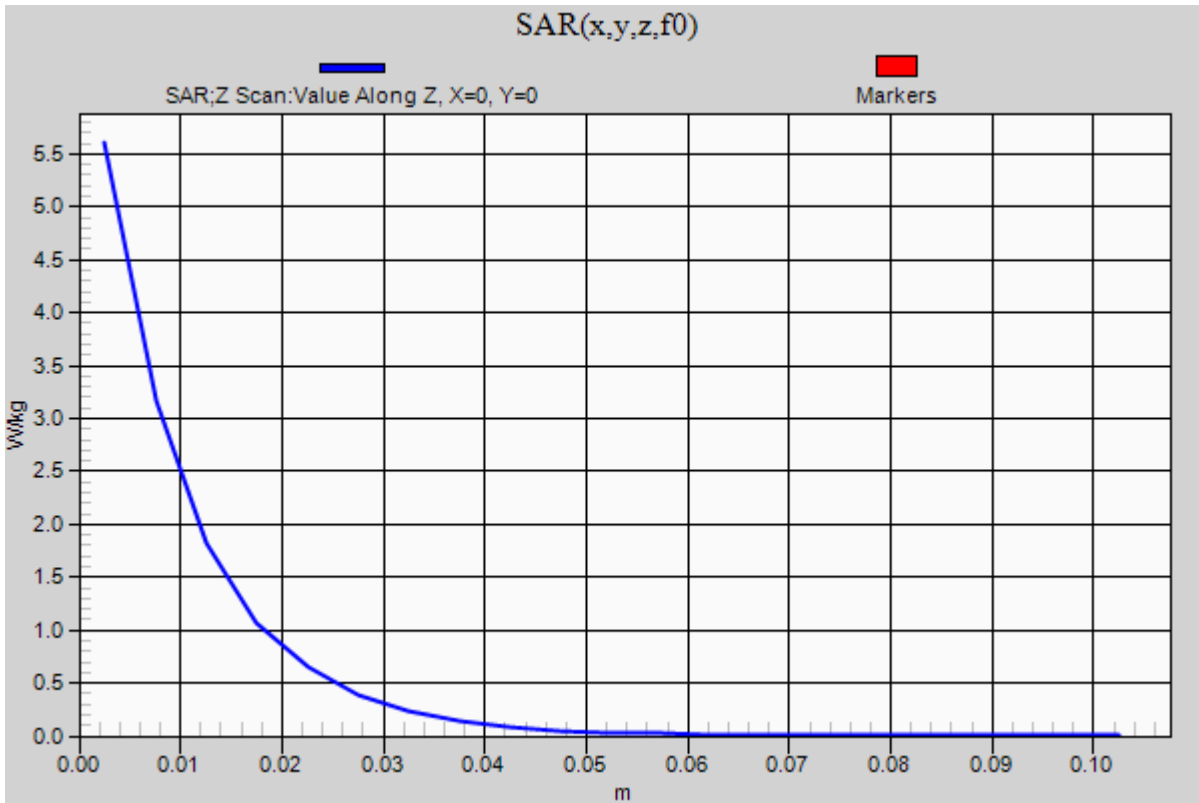


0 dB = 5.85 W/kg = 7.67 dBW/kg

### 20130218\_SystemPerformanceCheck-D1900V2 SN 5d043

Frequency: 1900 MHz; Duty Cycle: 1:1

**Body/Pin=100 mW/Z Scan (1x1x21):** Measurement grid: dx=20mm, dy=20mm, dz=5mm  
Maximum value of SAR (measured) = 5.61 W/kg



## 20130218\_SystemPerformanceCheck-D5GHzV2 SN 1003

Frequency: 5800 MHz; Duty Cycle: 1:1; Room Ambient Temperature: 24.0°C; Liquid Temperature: 23.0°C

Medium parameters used:  $f = 5800$  MHz;  $\sigma = 5.216$  mho/m;  $\epsilon_r = 36.891$ ;  $\rho = 1000$  kg/m<sup>3</sup>

DASY5 Configuration:

- Area Scan Setting: Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.0012W/kg
- Averaged Fast SAR: Polynomial fit
- Electronics: DAE3 Sn427; Calibrated: 1/9/2013
- Probe: EX3DV3 - SN3531; ConvF(4.18, 4.18, 4.18); Calibrated: 11/15/2012;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Phantom: SAM; Type: QD000P40CD; Serial: 1629

**Head/5.8 GHz, Pin=100mW/Area Scan (61x61x1):** Interpolated grid: dx=1.000 mm, dy=1.000 mm

Reference Value = 45.796 V/m; Power Drift = -0.02 dB

**Fast SAR: SAR(1 g) = 7.19 W/kg; SAR(10 g) = 1.98 W/kg**

Maximum value of SAR (interpolated) = 19.7 W/kg

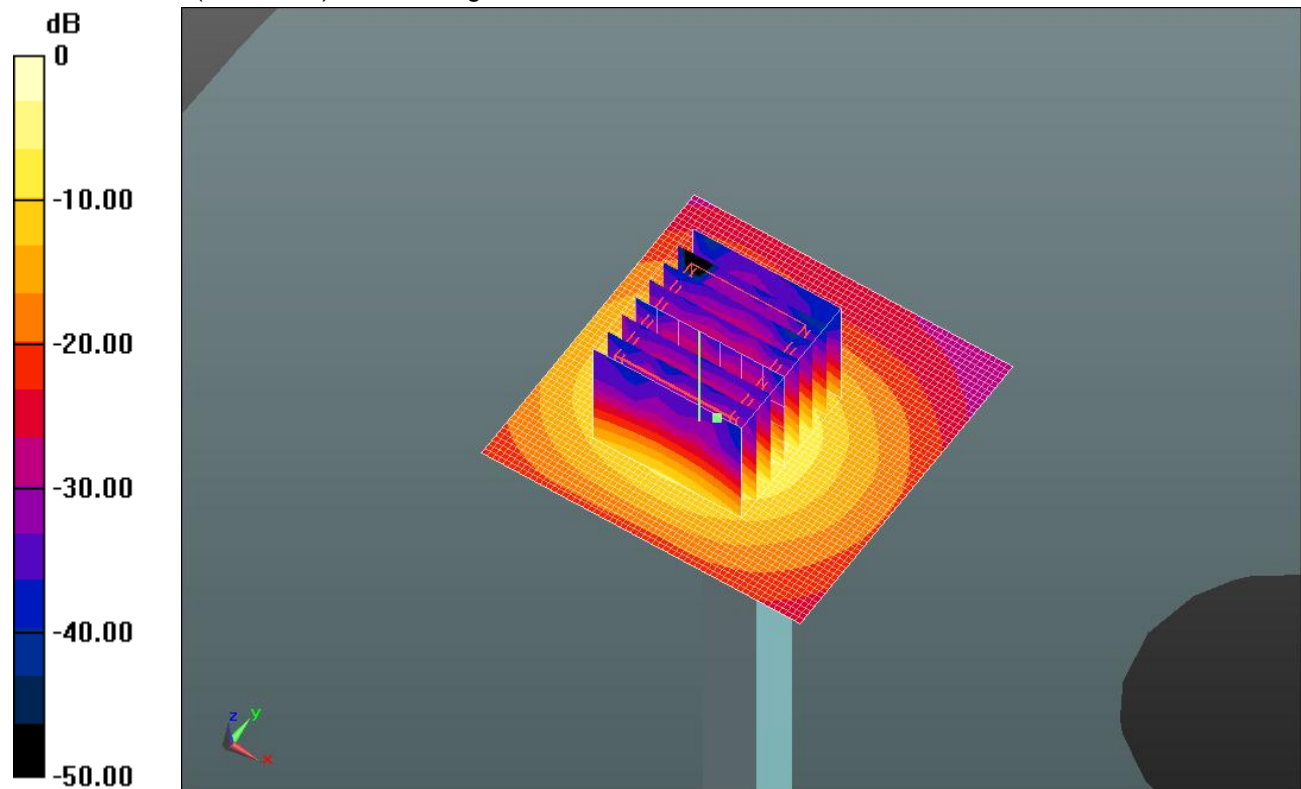
**Head/5.8 GHz, Pin=100mW/Zoom Scan (8x8x7)/Cube 0:** Measurement grid: dx=4mm, dy=4mm, dz=1.4mm

Reference Value = 45.796 V/m; Power Drift = -0.02 dB

Peak SAR (extrapolated) = 33.9 W/kg

**SAR(1 g) = 7.6 W/kg; SAR(10 g) = 2.14 W/kg**

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

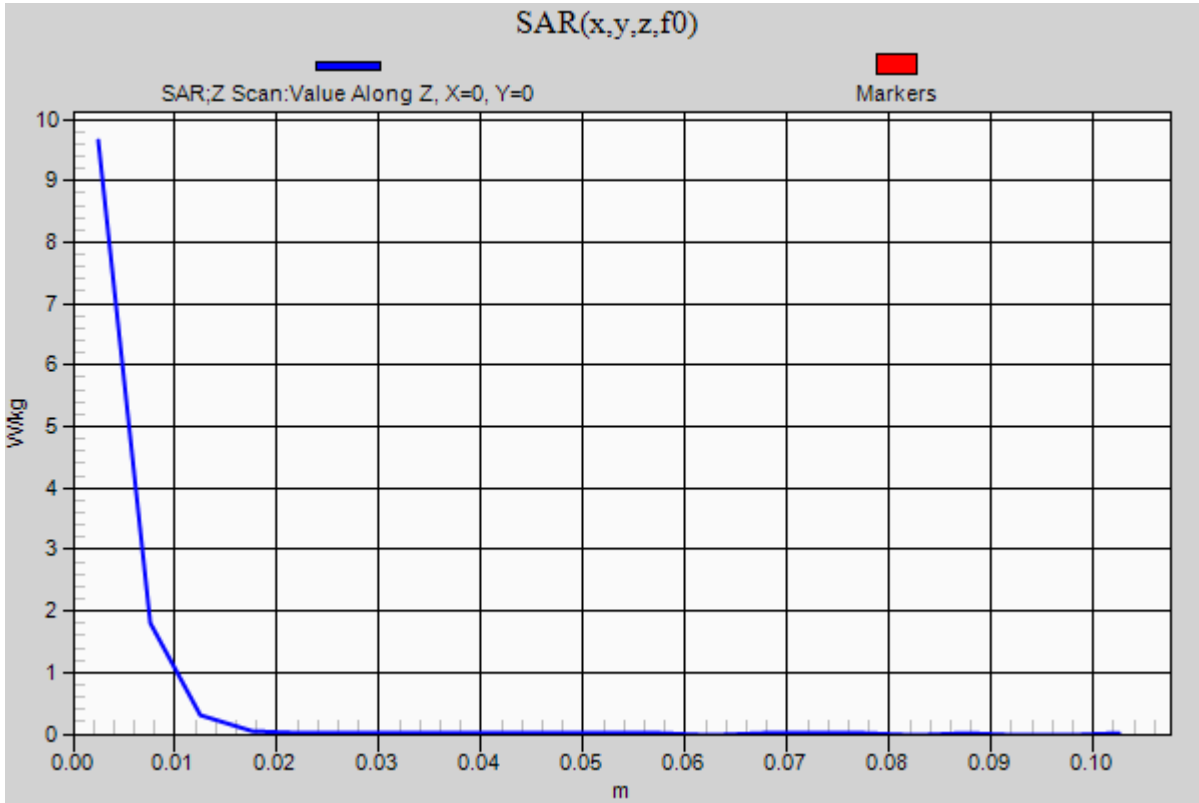


0 dB = 18.8 W/kg = 12.74 dBW/kg

## 20130218\_SystemPerformanceCheck-D5GHzV2 SN 1003

Frequency: 5800 MHz; Duty Cycle: 1:1

**Head/5.8 GHz, Pin=100mW/Z Scan (1x1x21):** Measurement grid: dx=20mm, dy=20mm, dz=5mm  
Maximum value of SAR (measured) = 9.65 W/kg



## 20130221\_SystemPerformanceCheck-D5GHzV2 SN 1003

Frequency: 5200 MHz; Duty Cycle: 1:1; Room Ambient Temperature: 25.0°C; Liquid Temperature: 24.0°C

Medium parameters used:  $f = 5200$  MHz;  $\sigma = 5.454$  mho/m;  $\epsilon_r = 47.172$ ;  $\rho = 1000$  kg/m<sup>3</sup>

DASY5 Configuration:

- Area Scan Setting: Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.0012W/kg
- Averaged Fast SAR: Polynomial fit
- Electronics: DAE3 Sn427; Calibrated: 1/9/2013
- Probe: EX3DV3 - SN3531; ConvF(4.21, 4.21, 4.21); Calibrated: 11/15/2012;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Phantom: ELI v5.0 (B); Type: QDOVA001BB; Serial: 1118

**Body/5.2 GHz, Pin=100mW/Area Scan (7x7x1):** Measurement grid: dx=10mm, dy=10mm

Reference Value = 51.893 V/m; Power Drift = 0.10 dB

**Fast SAR: SAR(1 g) = 7.36 W/kg; SAR(10 g) = 2.04 W/kg**

Maximum value of SAR (interpolated) = 19.1 W/kg

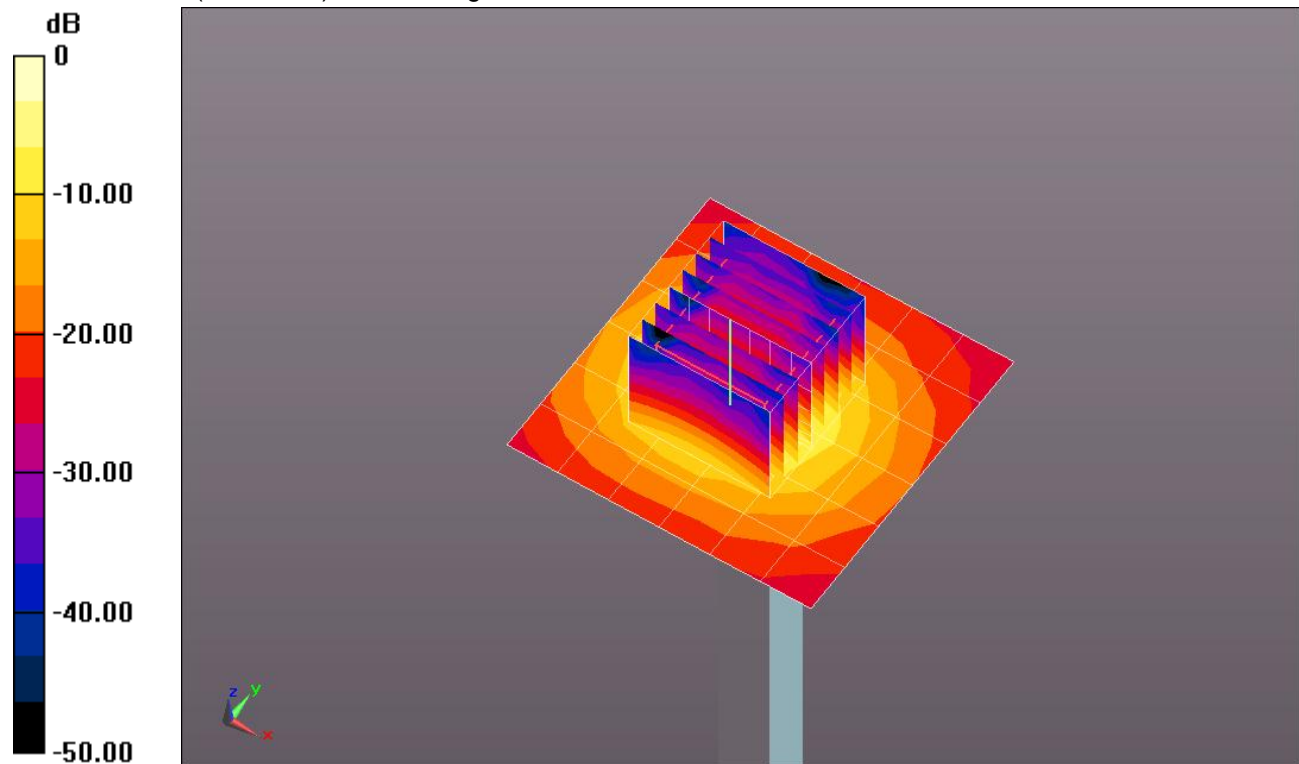
**Body/5.2 GHz, Pin=100mW/Zoom Scan (8x8x7)/Cube 0:** Measurement grid: dx=4mm, dy=4mm, dz=1.4mm

Reference Value = 51.893 V/m; Power Drift = 0.10 dB

Peak SAR (extrapolated) = 31.2 W/kg

**SAR(1 g) = 7.82 W/kg; SAR(10 g) = 2.21 W/kg**

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

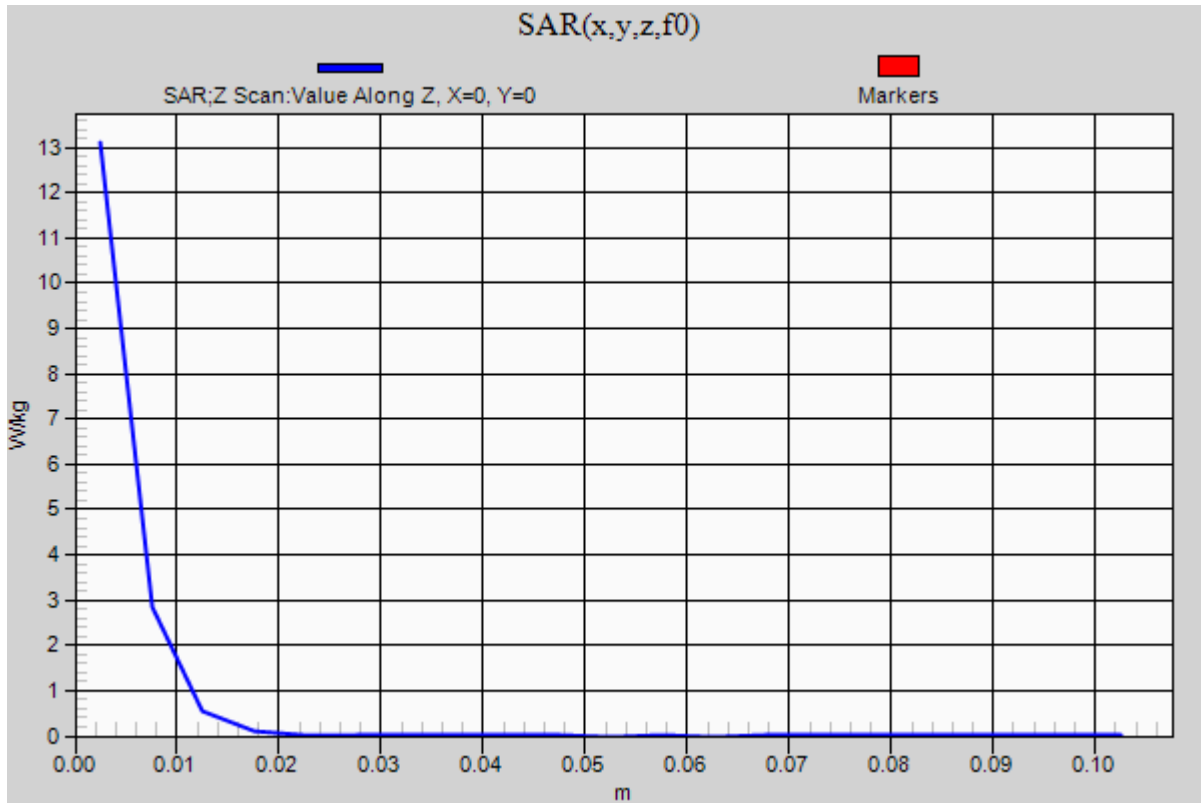


0 dB = 18.3 W/kg = 12.62 dBW/kg

## 20130221\_SystemPerformanceCheck-D5GHzV2 SN 1003

Frequency: 5200 MHz; Duty Cycle: 1:1

**Body/5.2 GHz, Pin=100mW/Z Scan (1x1x21):** Measurement grid: dx=20mm, dy=20mm, dz=5mm  
Maximum value of SAR (measured) = 13.1 W/kg



## 20130221\_SystemPerformanceCheck-D5GHzV2 SN 1003

Frequency: 5600 MHz; Duty Cycle: 1:1; Room Ambient Temperature: 25.0°C; Liquid Temperature: 24.0°C

Medium parameters used:  $f = 5600$  MHz;  $\sigma = 5.988$  mho/m;  $\epsilon_r = 46.582$ ;  $\rho = 1000$  kg/m<sup>3</sup>

DASY5 Configuration:

- Area Scan Setting: Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.0012W/kg
- Averaged Fast SAR: Polynomial fit
- Electronics: DAE3 Sn427; Calibrated: 1/9/2013
- Probe: EX3DV3 - SN3531; ConvF(3.55, 3.55, 3.55); Calibrated: 11/15/2012;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Phantom: ELI v5.0 (B); Type: QDOVA001BB; Serial: 1118

**Body/5.6 GHz, Pin=100mW/Area Scan (7x7x1):** Measurement grid: dx=10mm, dy=10mm

Reference Value = 49.699 V/m; Power Drift = 0.12 dB

**Fast SAR: SAR(1 g) = 8.06 W/kg; SAR(10 g) = 2.23 W/kg**

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

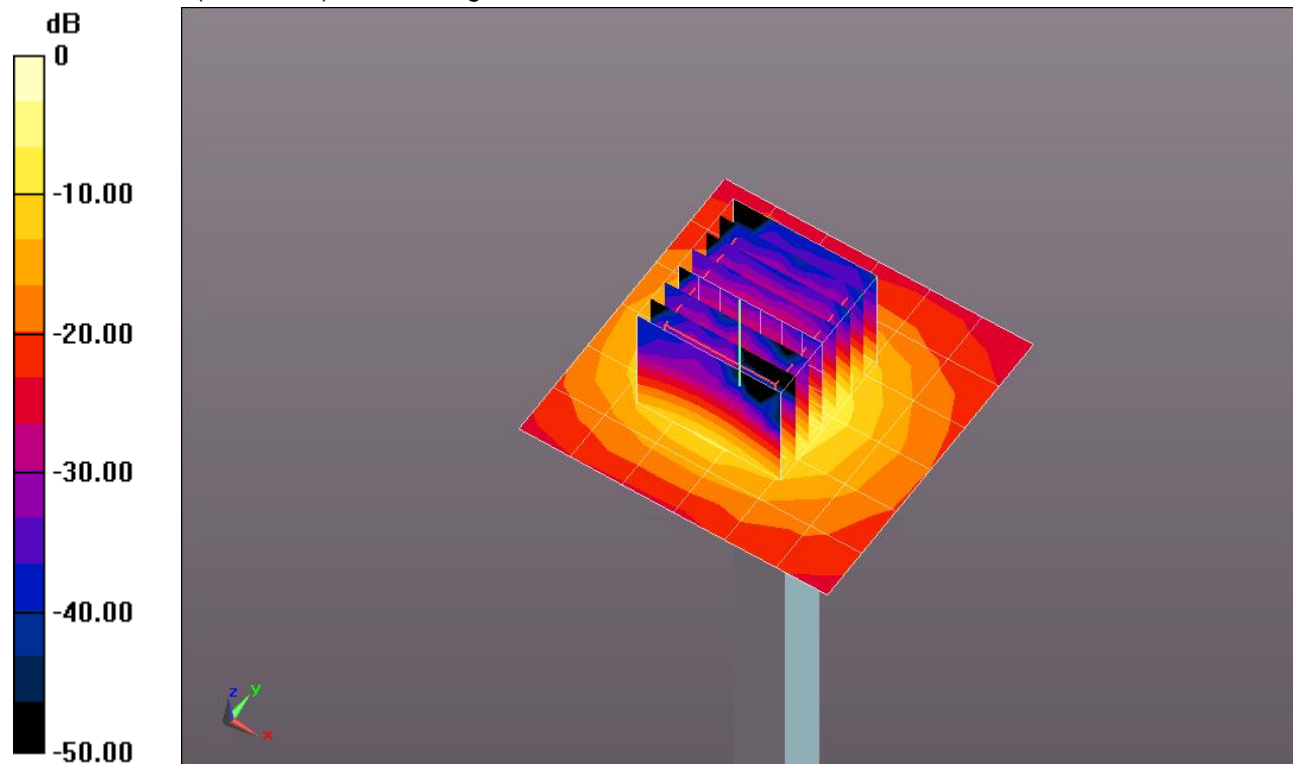
**Body/5.6 GHz, Pin=100mW/Zoom Scan (8x8x7)/Cube 0:** Measurement grid: dx=4mm, dy=4mm, dz=1.4mm

Reference Value = 49.699 V/m; Power Drift = 0.12 dB

Peak SAR (extrapolated) = 37.6 W/kg

**SAR(1 g) = 8.46 W/kg; SAR(10 g) = 2.36 W/kg**

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



0 dB = 20.6 W/kg = 13.14 dBW/kg

## 20130221\_SystemPerformanceCheck-D5GHzV2 SN 1003

Frequency: 5600 MHz; Duty Cycle: 1:1

**Body/5.6 GHz, Pin=100mW/Z Scan (1x1x21):** Measurement grid: dx=20mm, dy=20mm, dz=5mm  
Maximum value of SAR (measured) = 13.1 W/kg

