

## 20180322\_SystemPerformanceCheck-D1900V2 SN 5d140

Frequency: 1900 MHz; Duty Cycle: 1:1; Room Ambient Temperature: 24.0°C; Liquid Temperature: 23.0°C

Medium parameters used:  $f = 1900$  MHz;  $\sigma = 1.543$  S/m;  $\epsilon_r = 52.245$ ;  $\rho = 1000$  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
- Electronics: DAE4 Sn1434; Calibrated: 4/19/2017
- Probe: EX3DV4 - SN7463; ConvF(7.83, 7.83, 7.83); Calibrated: 7/5/2017;
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Phantom: ELI V5.0 Slot 6/7; Type: QD OVA 002 AA; Serial: 1099

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

Maximum value of SAR (measured) = 5.66 W/kg

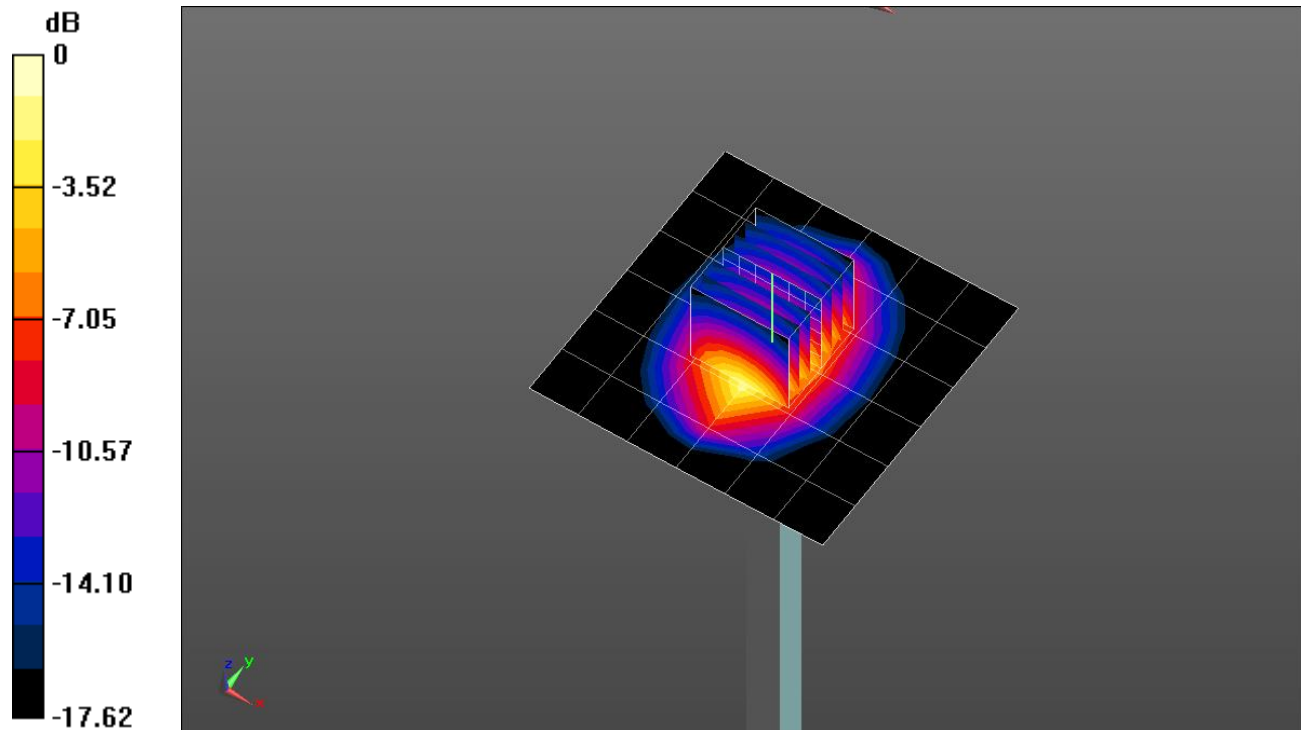
**Body/Pin=100 mW/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 61.13 V/m; Power Drift = -0.01 dB

Peak SAR (extrapolated) = 7.82 W/kg

**SAR(1 g) = 4.17 W/kg; SAR(10 g) = 2.14 W/kg**

Maximum value of SAR (measured) = 5.70 W/kg

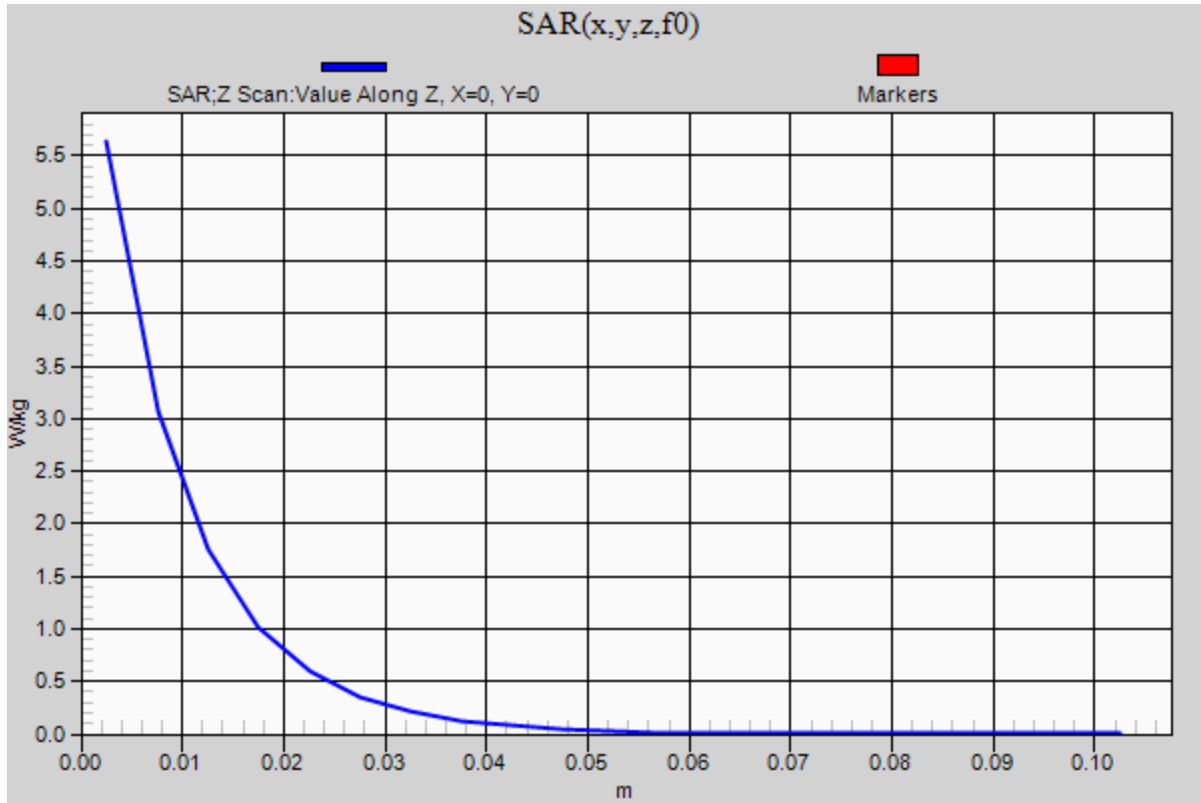


0 dB = 5.70 W/kg = 7.56 dBW/kg

### 20180322\_SystemPerformanceCheck-D1900V2 SN 5d140

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) = 5.64 W/kg



## 20180322 SystemPerformanceCheck-D2600V2 SN 1006

Frequency: 2600 MHz; Duty Cycle: 1:1; Room Ambient Temperature: 24.0°C; Liquid Temperature: 23.0°C

Medium parameters used:  $f = 2600$  MHz;  $\sigma = 2.145$  S/m;  $\epsilon_r = 38.9$ ;  $\rho = 1000$  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
- Electronics: DAE4 Sn1380; Calibrated: 7/24/2017
- Probe: EX3DV4 - SN3772; ConvF(6.71, 6.71, 6.71); Calibrated: 2/13/2018;
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Phantom: Twin-SAM V5.0 (30deg probe tilt); Type: QD 000 P40 CD; Serial: 1602

**Head/Pin=100 mW/Area Scan (8x8x1):** Measurement grid: dx=12mm, dy=12mm

Maximum value of SAR (measured) = 7.49 W/kg

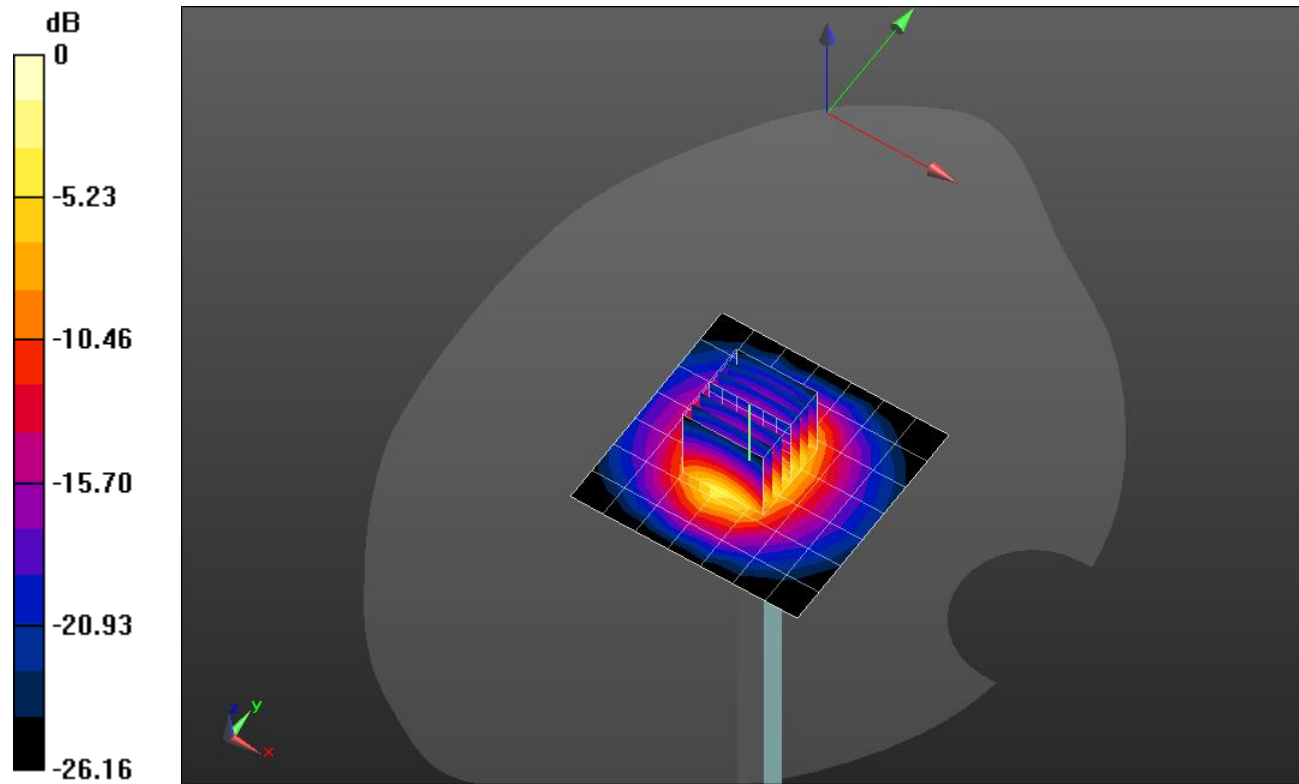
**Head/Pin=100 mW/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 62.946 V/m; Power Drift = 0.17 dB

Peak SAR (extrapolated) = 14.1 W/kg

**SAR(1 g) = 6.08 W/kg; SAR(10 g) = 2.64 W/kg**

Maximum value of SAR (measured) = 8.96 W/kg



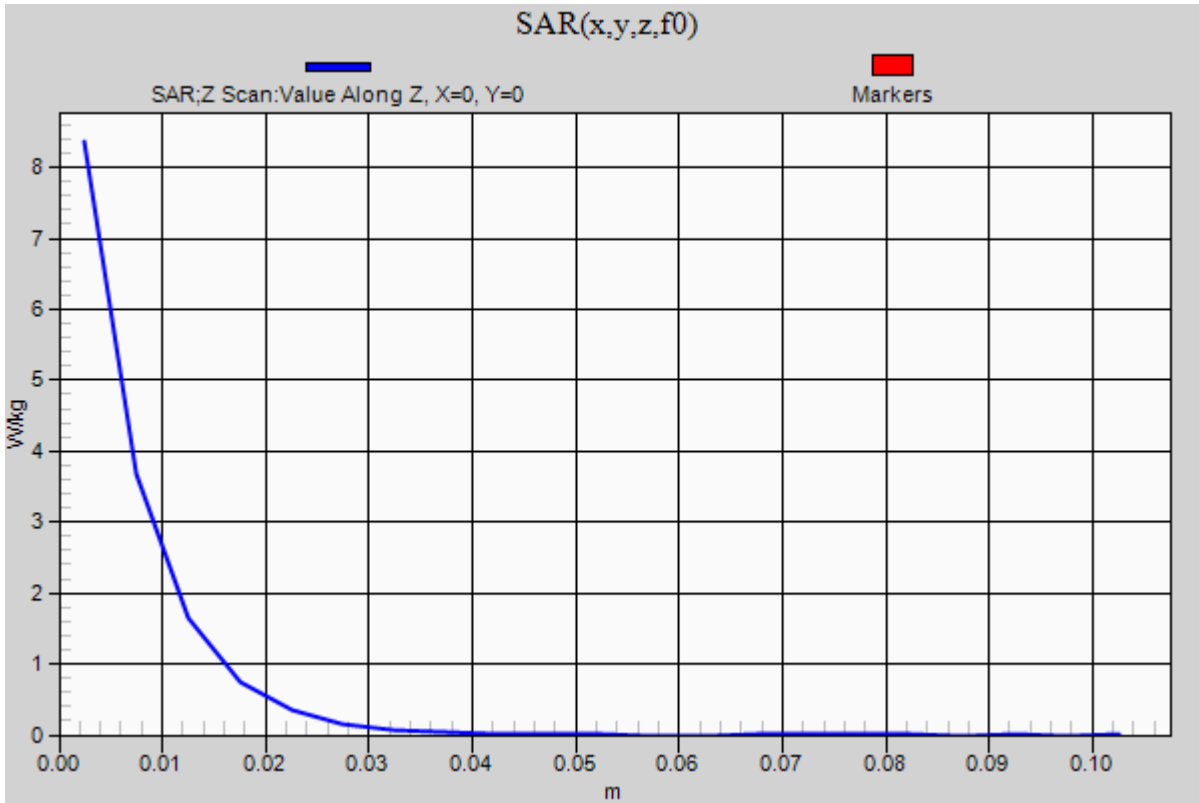
0 dB = 8.96 W/kg = 9.52 dBW/kg

### 20180322 SystemPerformanceCheck-D2600V2 SN 1006

Frequency: 2600 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) = 8.36 W/kg



## 20180412\_SystemPerformanceCheck-D2450V2 SN 748

Frequency: 2450 MHz; Duty Cycle: 1:1; Room Ambient Temperature: 24.0°C; Liquid Temperature: 23.0°C  
 Medium parameters used (interpolated):  $f = 2450$  MHz;  $\sigma = 2.026$  S/m;  $\epsilon_r = 50.41$ ;  $\rho = 1000$  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
- Electronics: DAE4 Sn1377; Calibrated: 10/11/2017
- Probe: EX3DV4 - SN3929; ConvF(7.18, 7.18, 7.18); Calibrated: 3/16/2018;
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Phantom: ELI V5.0 Slot 1/2; Type: QD OVA 002 Ax; Serial: 1119

**Body/Pin=100 mW/Area Scan (8x8x1):** Measurement grid: dx=12mm, dy=12mm

[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (measured) = 5.61 W/kg

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

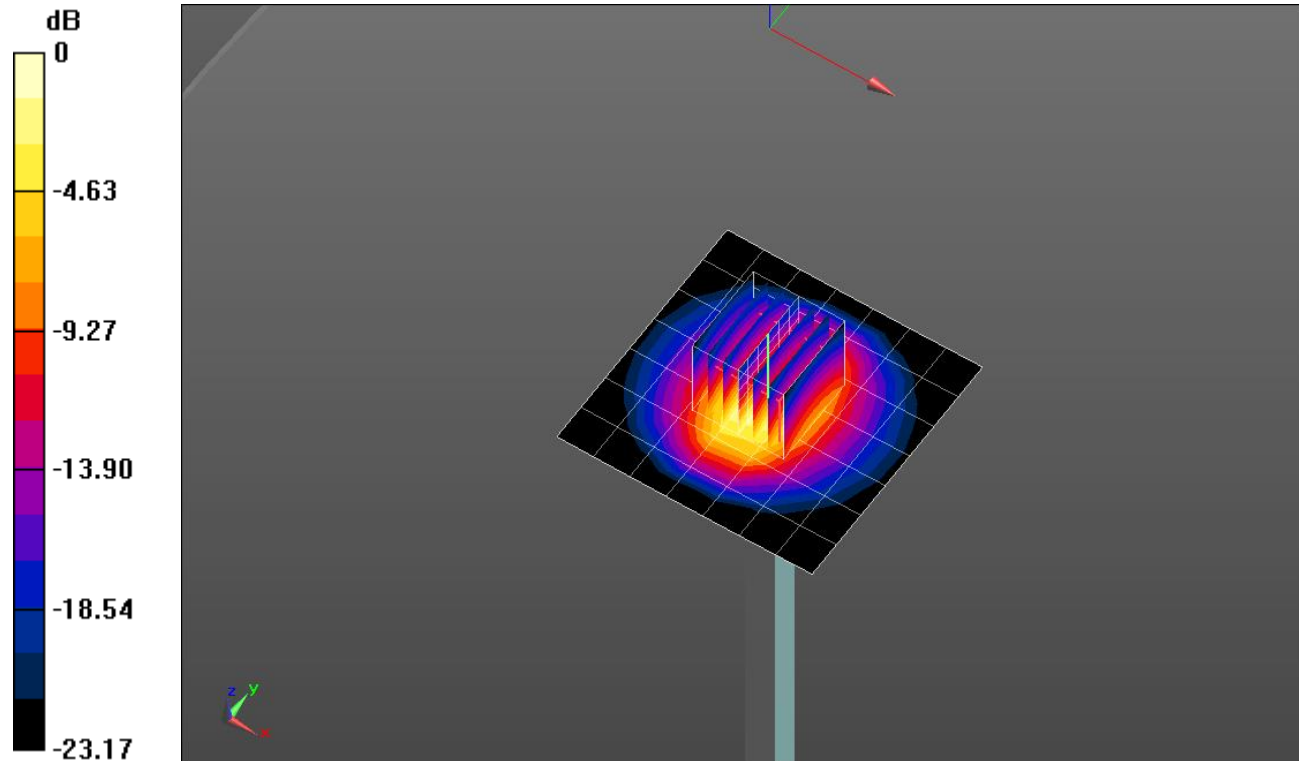
Reference Value = 62.00 V/m; Power Drift = 0.00 dB

Peak SAR (extrapolated) = 11.3 W/kg

**SAR(1 g) = 5.3 W/kg; SAR(10 g) = 2.39 W/kg**

[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (measured) = 7.67 W/kg



0 dB = 7.67 W/kg = 8.85 dBW/kg

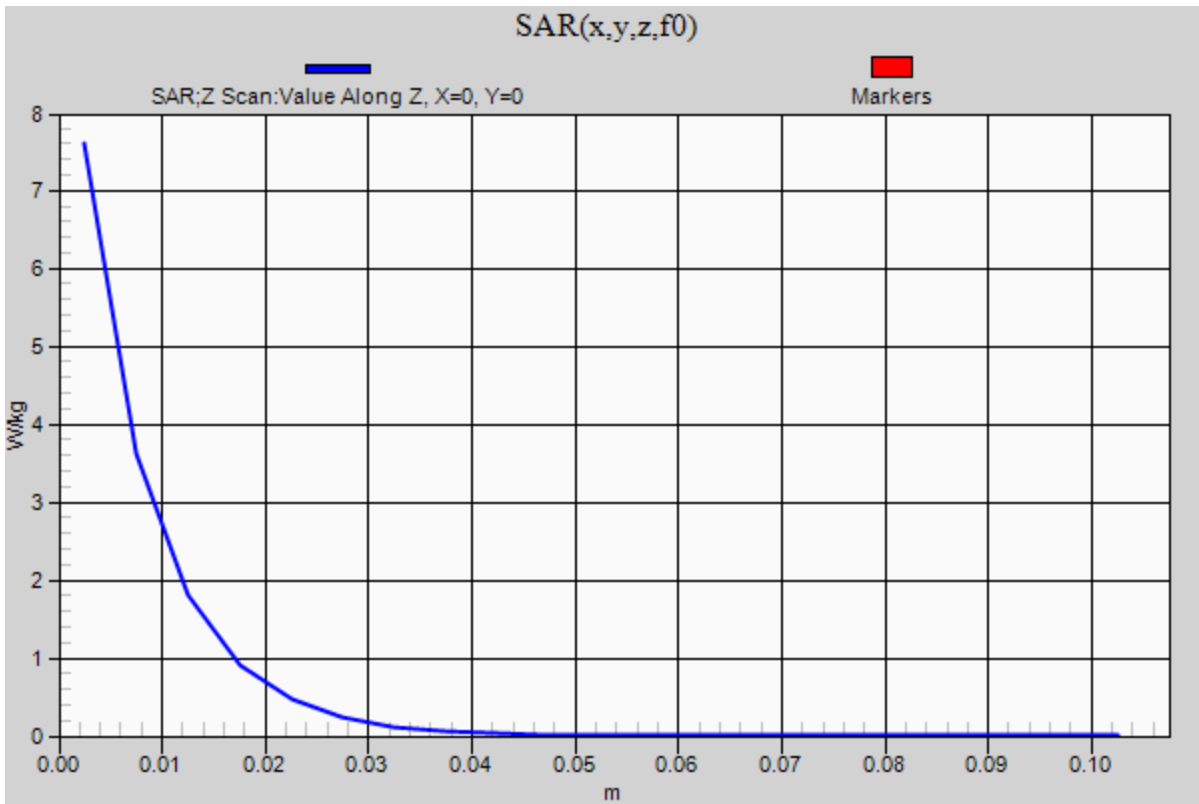
### 20180412\_SystemPerformanceCheck-D2450V2 SN 748

Frequency: 2450 MHz; Duty Cycle: 1:1

**Body/Pin=100 mW/Z Scan (1x1x21):** Measurement grid: dx=20mm, dy=20mm, dz=5mm

Info: [Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (measured) = 7.60 W/kg



## 20180326\_SystemPerformanceCheck-D835V2 SN 4d002

Frequency: 835 MHz; Duty Cycle: 1:1; Room Ambient Temperature: 24.0°C; Liquid Temperature: 23.0°C

Medium parameters used:  $f = 835 \text{ MHz}$ ;  $\sigma = 0.898 \text{ S/m}$ ;  $\epsilon_r = 41.876$ ;  $\rho = 1000 \text{ kg/m}^3$

DASY5 Configuration:

- Area Scan Setting: Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.0012W/kg
- Electronics: DAE4 Sn1359; Calibrated: 2/9/2018
- Probe: EX3DV4 - SN3871; ConvF(9.95, 9.95, 9.95); Calibrated: 8/23/2017;
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Phantom: Twin-SAM V5.0 (30deg probe tilt); Type: QD 000 P40 CD; Serial: 1602

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

Maximum value of SAR (measured) = 1.20 W/kg

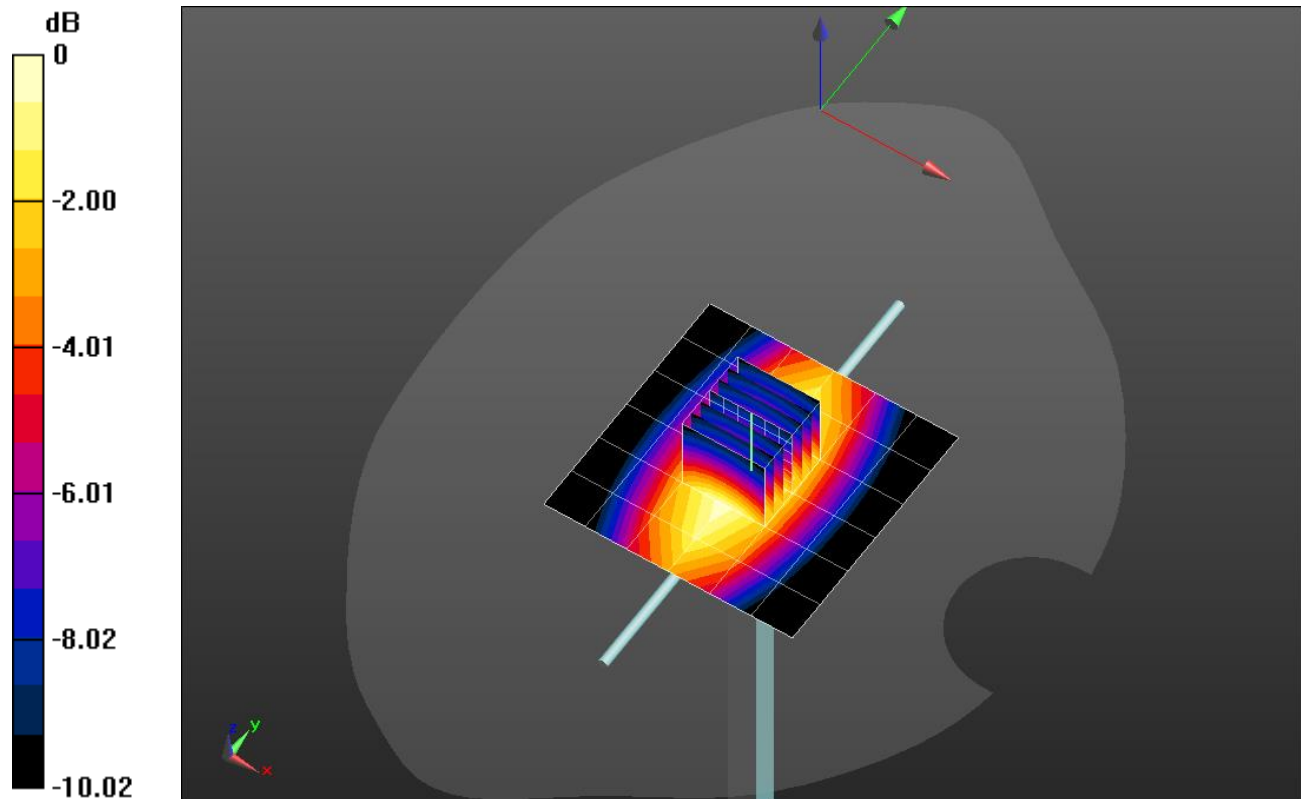
**Head/Pin=100 mW/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 35.87 V/m; Power Drift = 0.01 dB

Peak SAR (extrapolated) = 1.37 W/kg

**SAR(1 g) = 0.934 W/kg; SAR(10 g) = 0.621 W/kg**

Maximum value of SAR (measured) = 1.13 W/kg



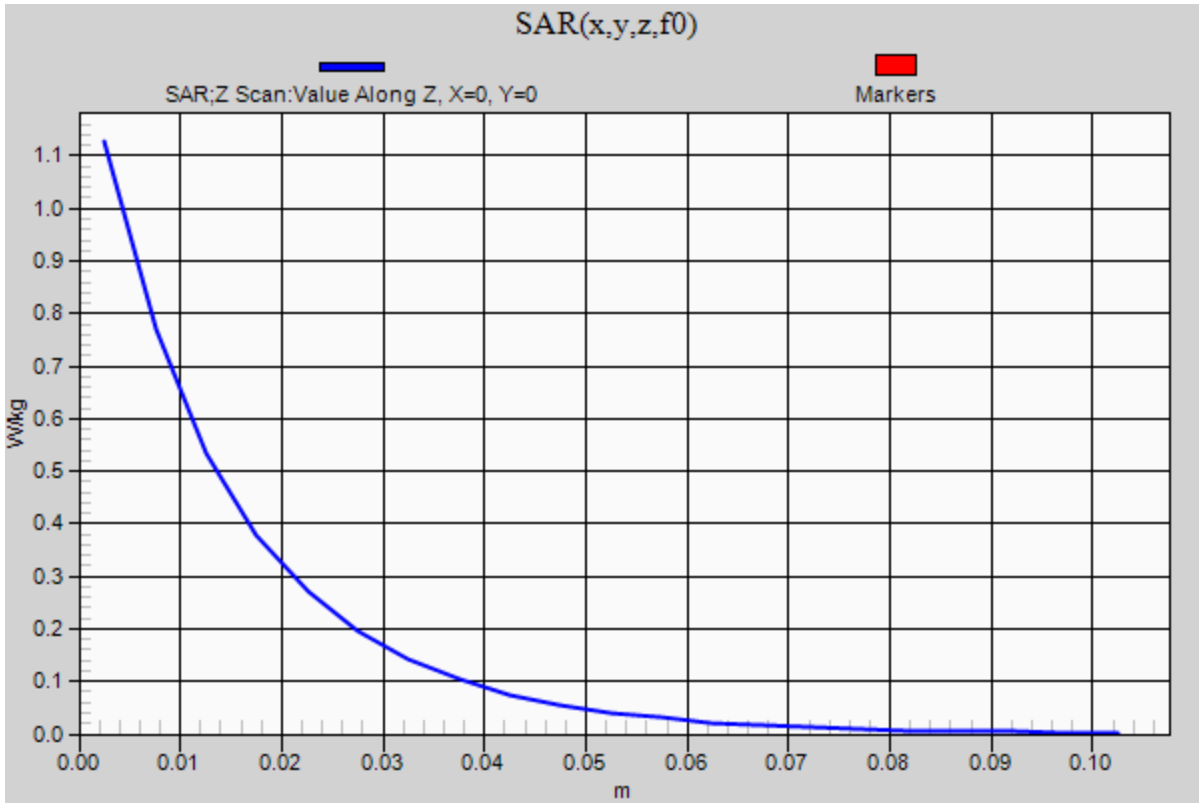
0 dB = 1.13 W/kg = 0.53 dBW/kg

### 20180326\_SystemPerformanceCheck-D835V2 SN 4d002

Frequency: 835 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) = 1.13 W/kg





## 20180327\_SystemPerformanceCheck-D750V3 SN 1024

Frequency: 750 MHz; Duty Cycle: 1:1; Room Ambient Temperature: 24.0°C; Liquid Temperature: 23.0°C  
 Medium parameters used:  $f = 750 \text{ MHz}$ ;  $\sigma = 0.849 \text{ S/m}$ ;  $\epsilon_r = 44.77$ ;  $\rho = 1000 \text{ kg/m}^3$

DASY5 Configuration:

- Area Scan Setting: Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.0012W/kg
- Electronics: DAE4 Sn1359; Calibrated: 2/9/2018
- Probe: EX3DV4 - SN3871; ConvF(10.52, 10.52, 10.52); Calibrated: 8/23/2017;
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Phantom: Twin-SAM V5.0 (30deg probe tilt); Type: QD 000 P40 CD; Serial: 1602

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

Maximum value of SAR (measured) = 1.05 W/kg

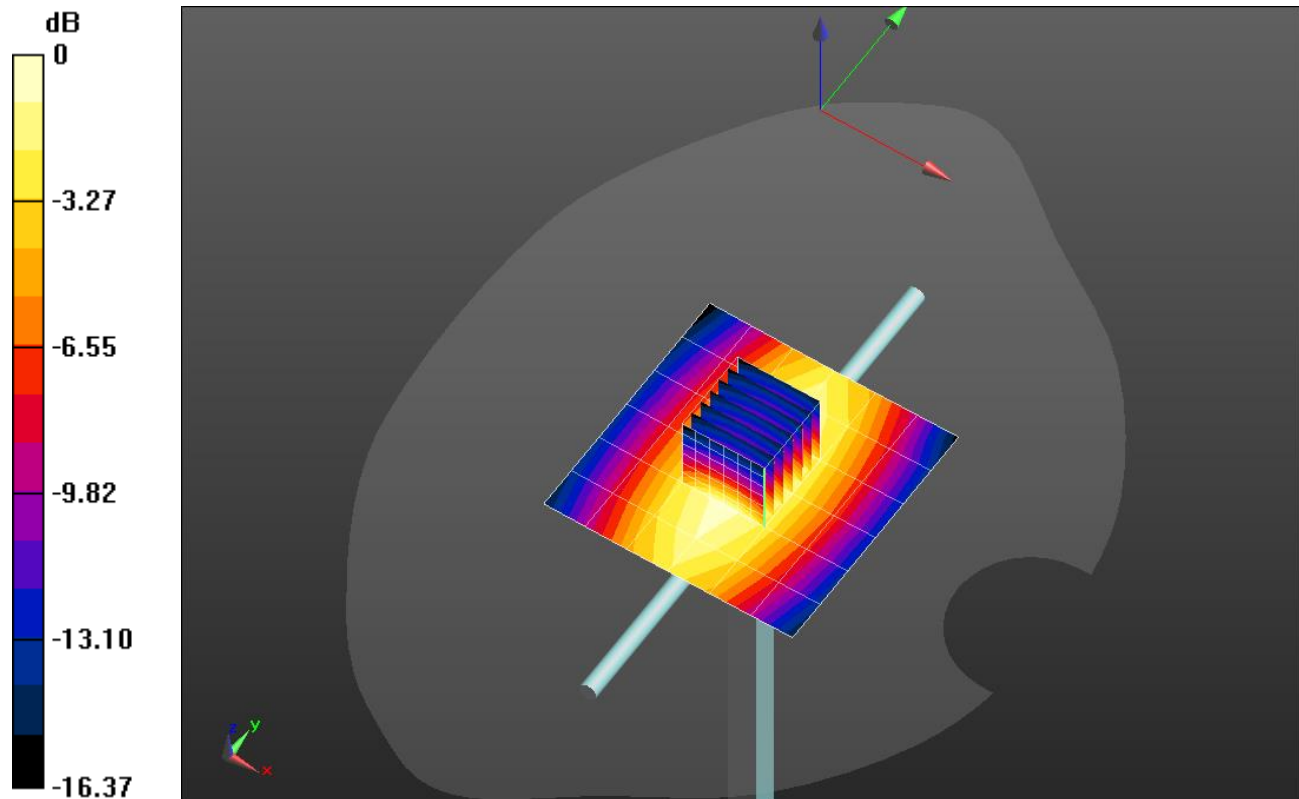
**Head/Pin=100 mW/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 33.68 V/m; Power Drift = -0.00 dB

Peak SAR (extrapolated) = 1.18 W/kg

**SAR(1 g) = 0.802 W/kg; SAR(10 g) = 0.536 W/kg**

Maximum value of SAR (measured) = 0.967 W/kg

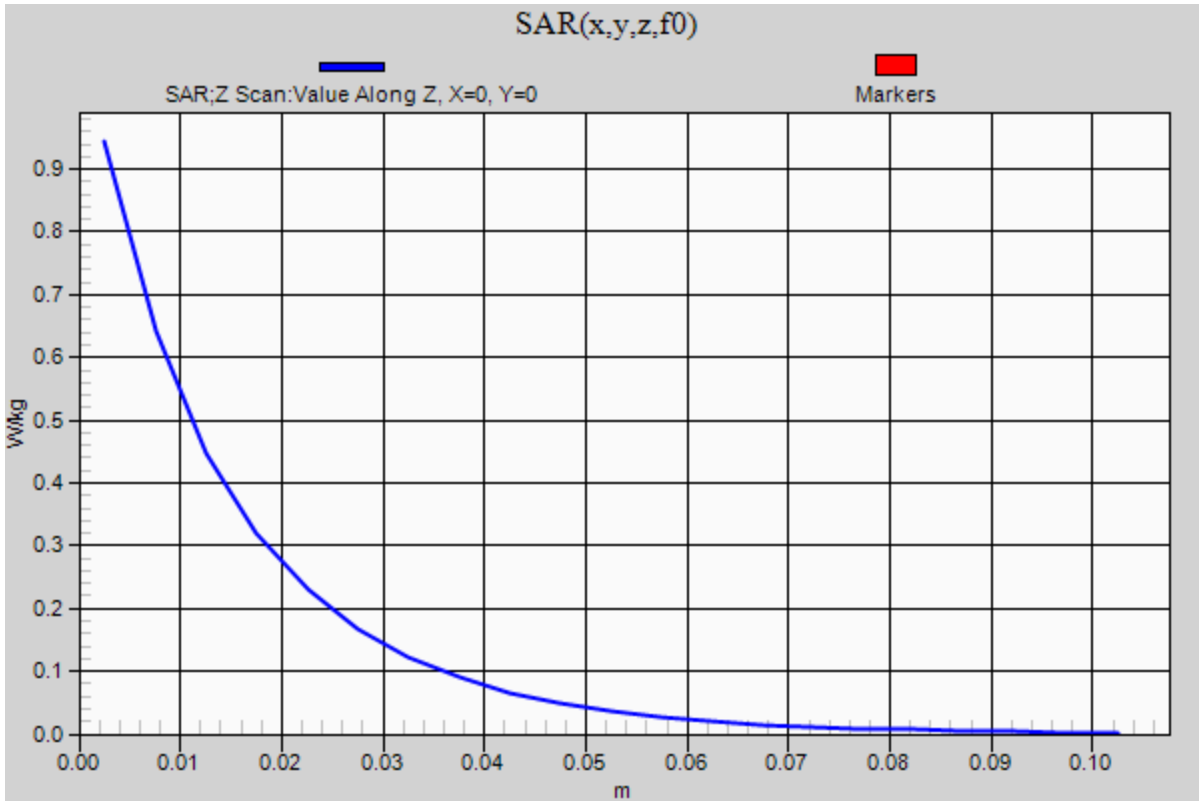


0 dB = 1.05 W/kg = 0.23 dBW/kg

### 20180327\_SystemPerformanceCheck-D750V3 SN 1024

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) = 0.944 W/kg



## 20180328\_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;  $\sigma = 1.428$  S/m;  $\epsilon_r = 41.843$ ;  $\rho = 1000$  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
- Electronics: DAE4 Sn1359; Calibrated: 2/9/2018
- Probe: EX3DV4 - SN3871; ConvF(8.92, 8.92, 8.92); Calibrated: 8/23/2017;
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Phantom: Twin-SAM V5.0 (30deg probe tilt); Type: QD 000 P40 CD; Serial: 1602

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

Maximum value of SAR (measured) = 5.05 W/kg

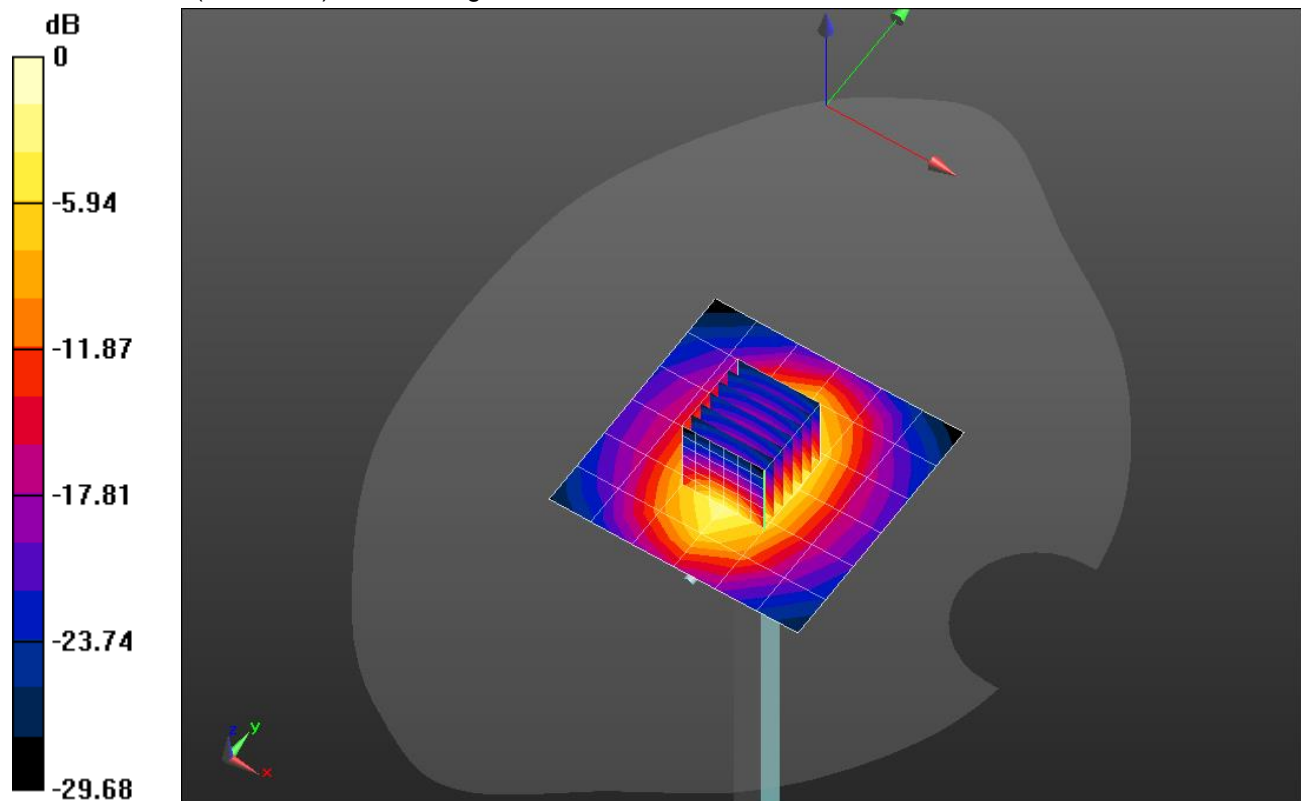
**Head/Pin=100 mW/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 59.09 V/m; Power Drift = -0.01 dB

Peak SAR (extrapolated) = 6.58 W/kg

**SAR(1 g) = 3.67 W/kg; SAR(10 g) = 1.96 W/kg**

Maximum value of SAR (measured) = 4.89 W/kg



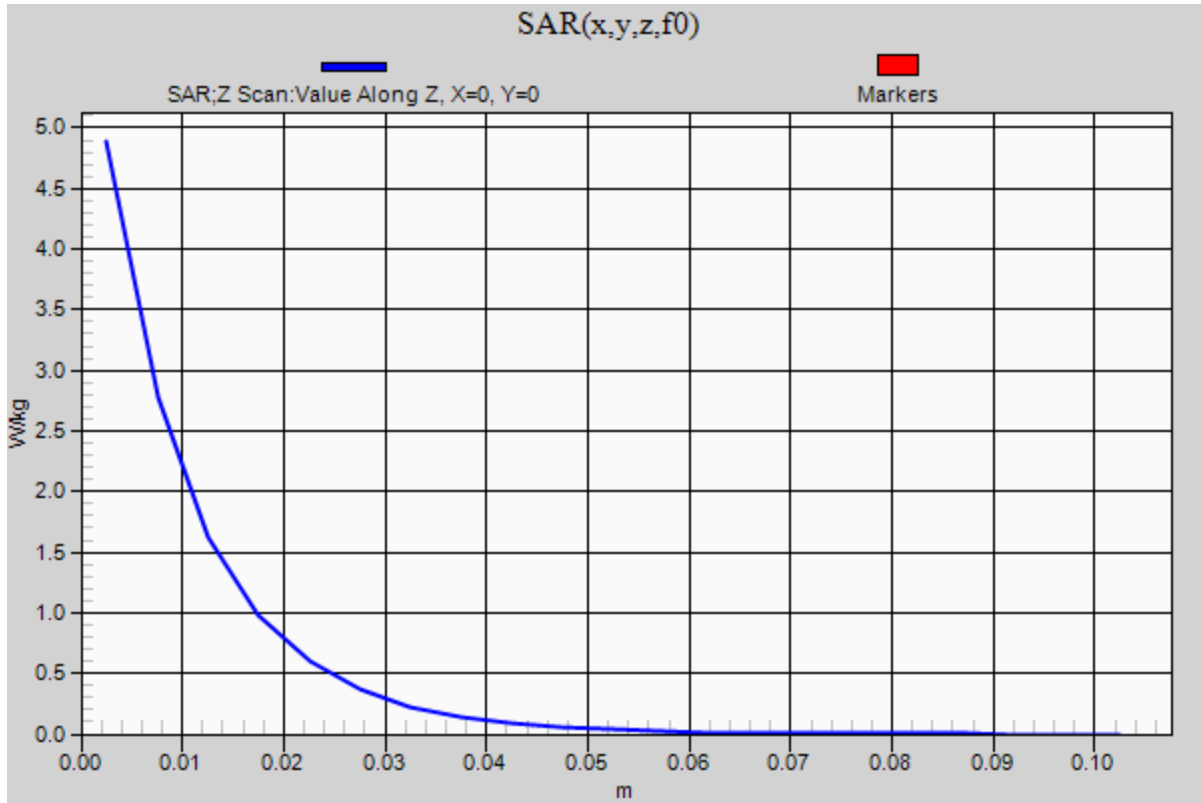
0 dB = 5.05 W/kg = 7.04 dBW/kg

### 20180328\_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) = 4.89 W/kg



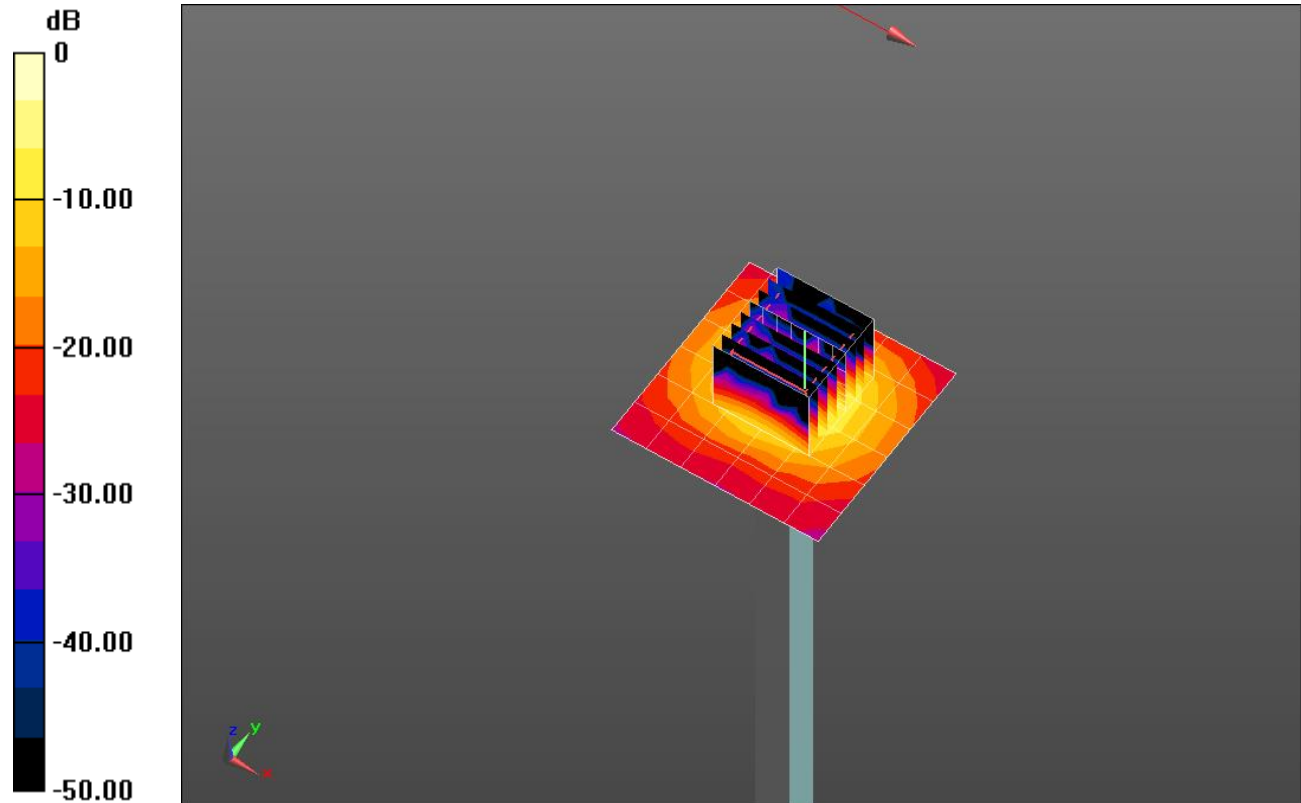
## 20180426\_SystemPerformanceCheck-D5GHzV2 SN 1138

Frequency: 5600 MHz; Duty Cycle: 1:1; Room Ambient Temperature: 24.0°C; Liquid Temperature: 23.0°C  
 Medium parameters used:  $f = 5600 \text{ MHz}$ ;  $\sigma = 5.888 \text{ S/m}$ ;  $\epsilon_r = 49.356$ ;  $\rho = 1000 \text{ kg/m}^3$   
 DASY5 Configuration:

- Area Scan Setting: Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.0012W/kg
- Electronics: DAE4 Sn1359; Calibrated: 2/9/2018
- Probe: EX3DV4 - SN3871; ConvF(4.1, 4.1, 4.1); Calibrated: 8/23/2017;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Phantom: ELI V5.0 Slot 1/2; Type: QD OVA 002 Ax; Serial: 1119

**Body/5.6 GHz, Pin=100mW/Area Scan (7x7x1):** Measurement grid: dx=10mm, dy=10mm  
 Maximum value of SAR (measured) = 15.4 W/kg

**Body/5.6 GHz, Pin=100mW/Zoom Scan (8x8x7)/Cube 0:** Measurement grid: dx=4mm, dy=4mm, dz=1.4mm  
 Reference Value = 45.25 V/m; Power Drift = 0.02 dB  
 Peak SAR (extrapolated) = 33.2 W/kg  
**SAR(1 g) = 7.42 W/kg; SAR(10 g) = 2.06 W/kg**  
 Maximum value of SAR (measured) = 18.3 W/kg

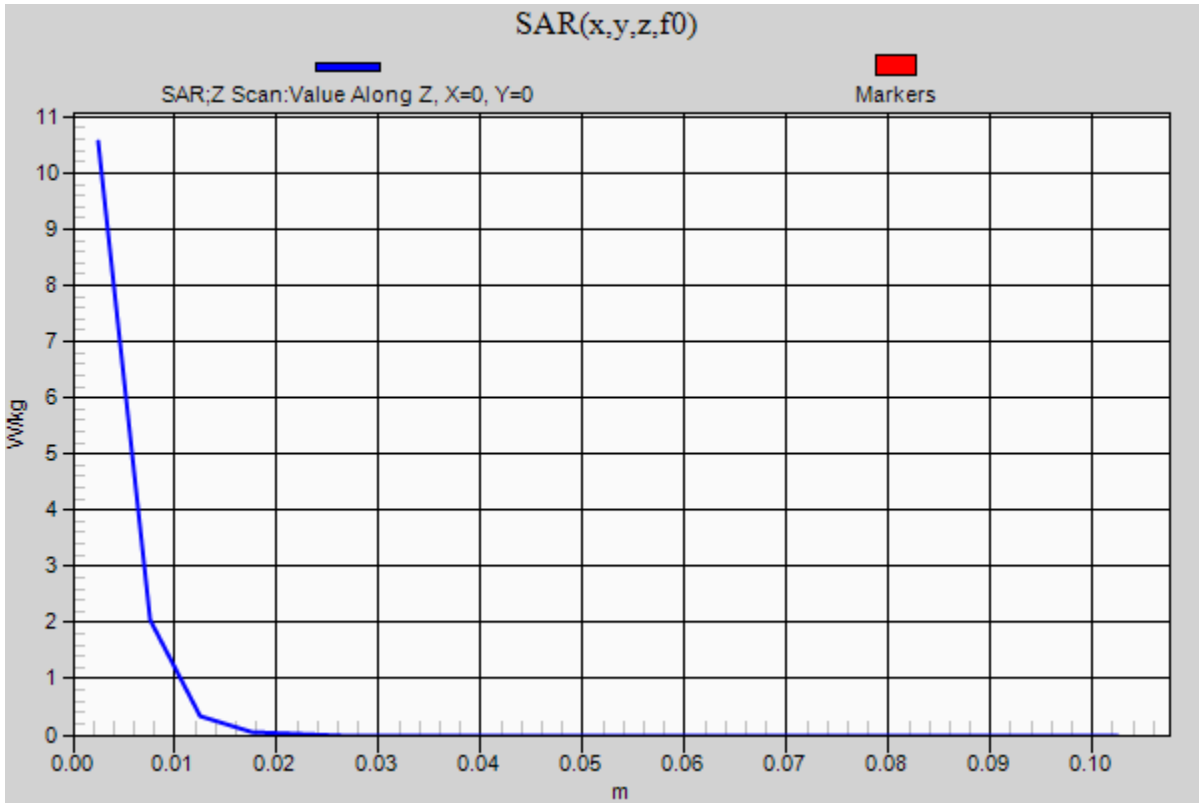


0 dB = 18.3 W/kg = 12.62 dBW/kg

### 20180426\_SystemPerformanceCheck-D5GHzV2 SN 1138

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) = 10.6 W/kg



## 20180416\_SystemPerformanceCheck-D5GHzV2 SN 1003

Frequency: 5600 MHz; Duty Cycle: 1:1; Room Ambient Temperature: 24.0°C; Liquid Temperature: 23.0°C

Medium parameters used:  $f = 5600$  MHz;  $\sigma = 5.896$  S/m;  $\epsilon_r = 47.105$ ;  $\rho = 1000$  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
- Electronics: DAE4 Sn1257; Calibrated: 10/11/2017
- Probe: EX3DV4 - SN7483; ConvF(4.36, 4.36, 4.36); Calibrated: 12/12/2017;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection (Locations From Previous Scan Used)), Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Phantom: ELI V5.0 Slot 6/7; Type: QD OVA 002 AA; Serial: 1247

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

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

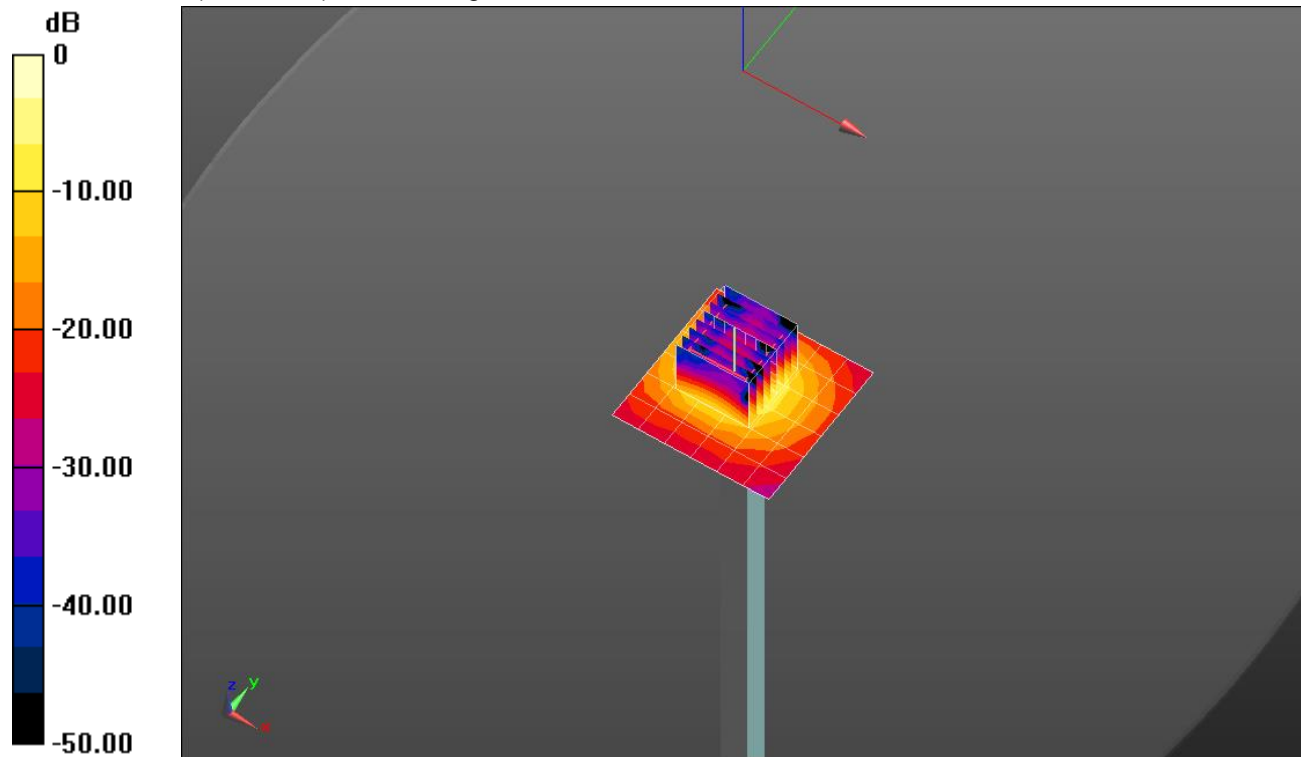
**Body/5.6 GHz, Pin=100mW/Zoom Scan (8x8x7)/Cube 0:** Measurement grid: dx=4mm, dy=4mm, dz=1.4mm

Reference Value = 41.01 V/m; Power Drift = 0.15 dB

Peak SAR (extrapolated) = 34.9 W/kg

**SAR(1 g) = 8.21 W/kg; SAR(10 g) = 2.3 W/kg**

Maximum value of SAR (measured) = 19.3 W/kg

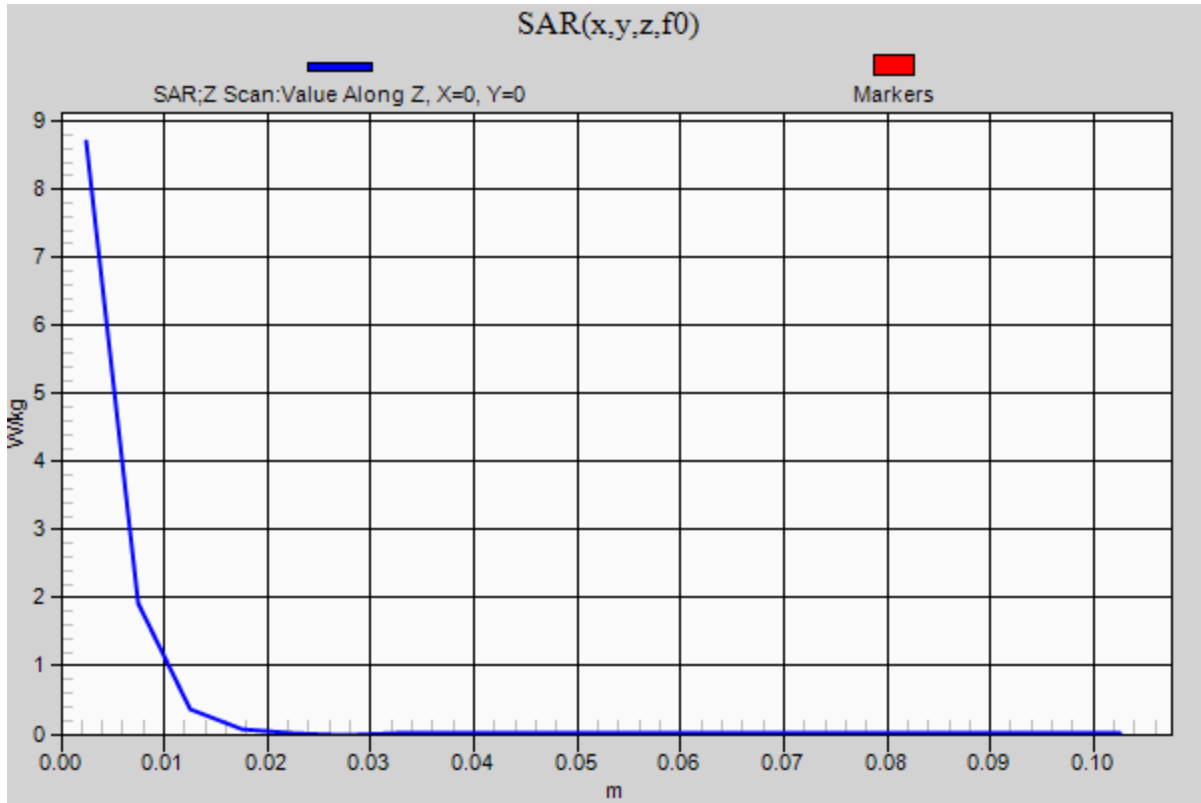


0 dB = 19.3 W/kg = 12.86 dBW/kg

### 20180416\_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) = 8.70 W/kg





## 20180425\_SystemPerformanceCheck-D5GHzV2 SN 1138

Frequency: 5800 MHz; Duty Cycle: 1:1; Room Ambient Temperature: 24.0°C; Liquid Temperature: 23.0°C  
 Medium parameters used:  $f = 5800 \text{ MHz}$ ;  $\sigma = 5.055 \text{ S/m}$ ;  $\epsilon_r = 35.574$ ;  $\rho = 1000 \text{ kg/m}^3$

DASY5 Configuration:

- Area Scan Setting: Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.0012W/kg
- Electronics: DAE4 Sn1257; Calibrated: 10/11/2017
- Probe: EX3DV4 - SN7483; ConvF(5.19, 5.19, 5.19); Calibrated: 12/12/2017;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Phantom: SAM v5.0 (20deg tilt); Type: QD000P40CD; Serial: 1629

**Head/5.8 GHz, Pin=100mW/Area Scan (7x7x1):** Measurement grid: dx=10mm, dy=10mm

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

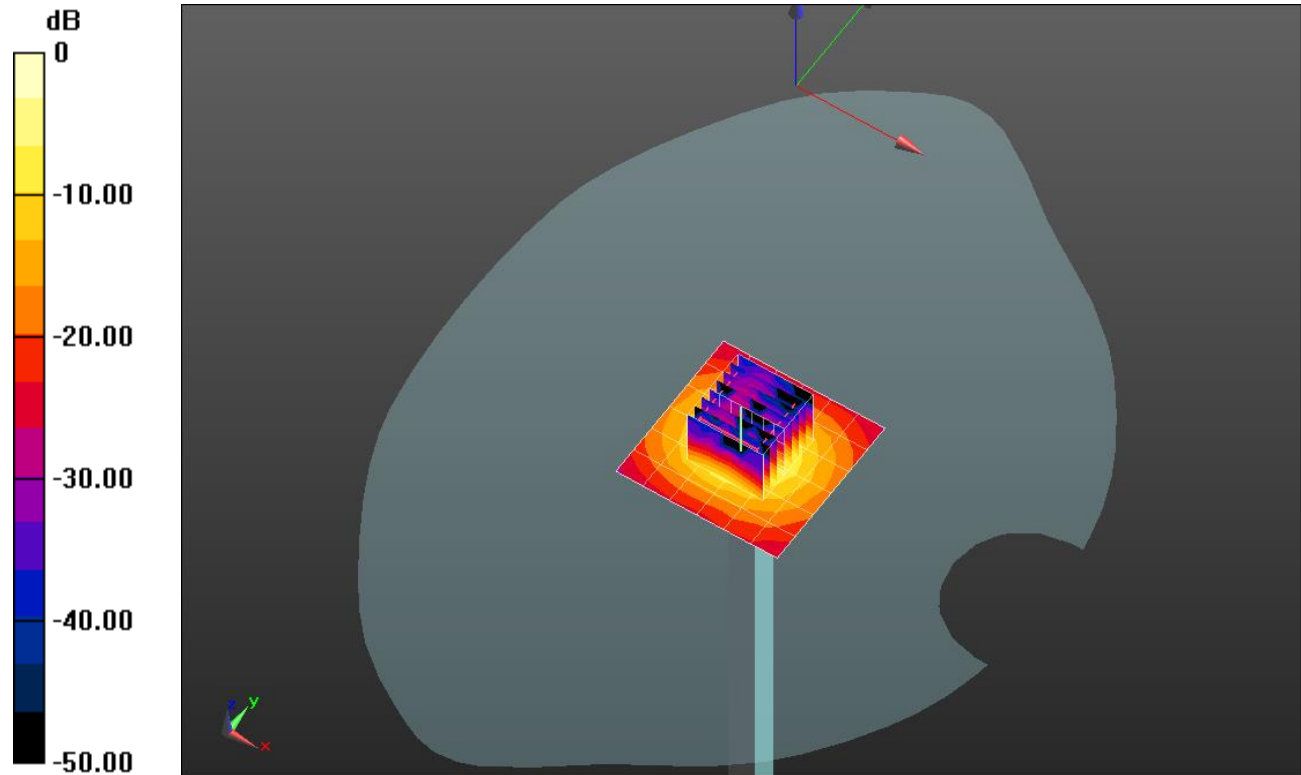
**Head/5.8 GHz, Pin=100mW/Zoom Scan (8x8x7)/Cube 0:** Measurement grid: dx=4mm, dy=4mm, dz=1.4mm

Reference Value = 53.76 V/m; Power Drift = -0.03 dB

Peak SAR (extrapolated) = 33.3 W/kg

**SAR(1 g) = 7.36 W/kg; SAR(10 g) = 2.09 W/kg**

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



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

### 20180425\_SystemPerformanceCheck-D5GHzV2 SN 1138

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) = 13.2 W/kg

