

## 20130904\_SystemPerformanceCheck-D5GHzV2 SN 1138

Frequency: 5200 MHz; Duty Cycle: 1:1; Room Ambient Temperature: 24.0°C; Liquid Temperature: 23.0°C

Medium parameters used:  $f = 5200$  MHz;  $\sigma = 5.381$  S/m;  $\epsilon_r = 47.494$ ;  $\rho = 1000$  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 Sn1259; Calibrated: 2/7/2013
- Probe: EX3DV4 - SN3929; ConvF(4.28, 4.28, 4.28); Calibrated: 6/24/2013;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection (Locations From Previous Scan Used)), Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Phantom: ELI-A v5.0; Type: QDOVA002AA; Serial: TP 1194

**Body/5.2 GHz, Pin=100mW/Area Scan (61x61x1):** Interpolated grid: dx=1.000 mm, dy=1.000 mm

Reference Value = 45.603 V/m; Power Drift = 0.10 dB

**Fast SAR: SAR(1 g) = 5.82 W/kg; SAR(10 g) = 1.69 W/kg**

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

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

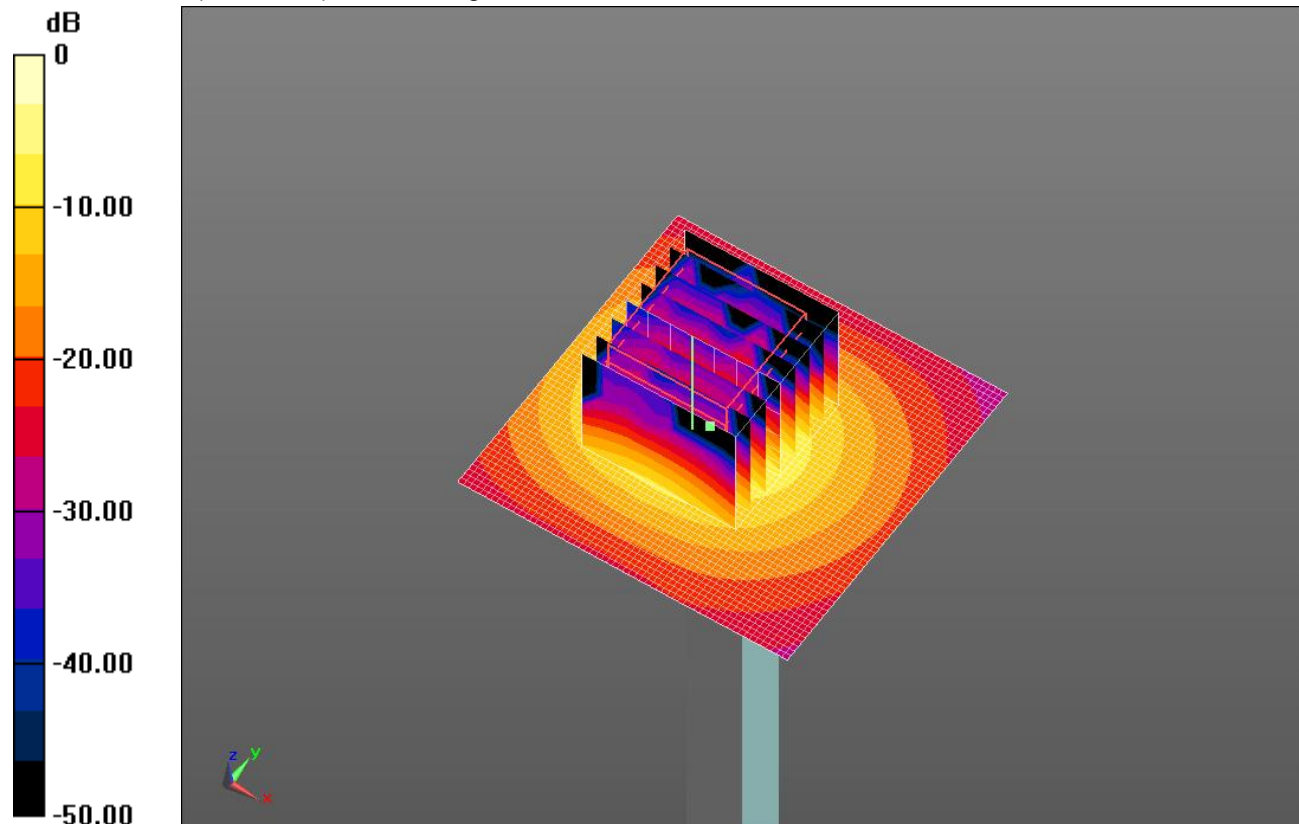
dz=1.4mm

Reference Value = 45.603 V/m; Power Drift = 0.10 dB

Peak SAR (extrapolated) = 30.5 W/kg

**SAR(1 g) = 7.36 W/kg; SAR(10 g) = 2.11 W/kg**

Maximum value of SAR (measured) = 17.6 W/kg

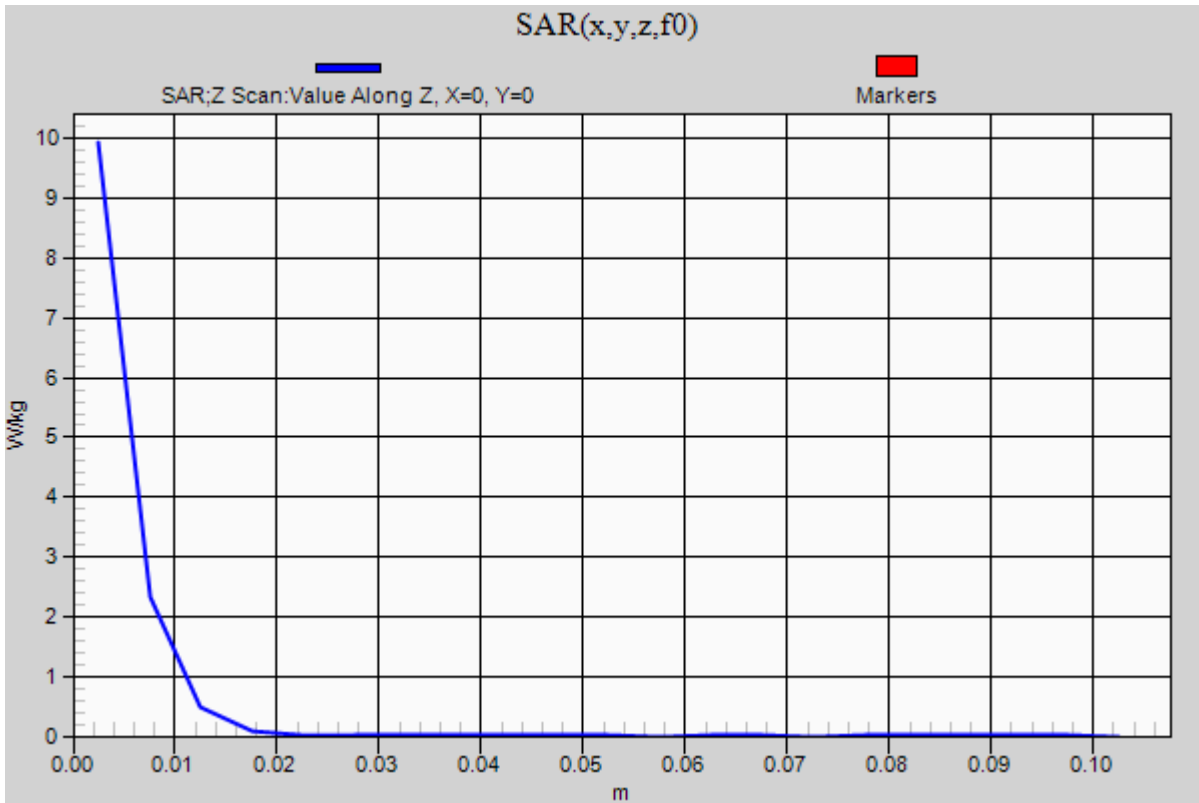


0 dB = 17.6 W/kg = 12.46 dBW/kg

### 20130904\_SystemPerformanceCheck-D5GHzV2 SN 1138

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) = 9.94 W/kg



## 20130904\_SystemPerformanceCheck-D5GHzV2 SN 1138

Frequency: 5500 MHz; Duty Cycle: 1:1; Room Ambient Temperature: 24.0°C; Liquid Temperature: 23.0°C

Medium parameters used:  $f = 5500$  MHz;  $\sigma = 5.787$  S/m;  $\epsilon_r = 47.065$ ;  $\rho = 1000$  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 Sn1259; Calibrated: 2/7/2013
- Probe: EX3DV4 - SN3929; ConvF(3.68, 3.68, 3.68); Calibrated: 6/24/2013;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection (Locations From Previous Scan Used)), Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Phantom: ELI-A v5.0; Type: QDOVA002AA; Serial: TP 1194

**Body/5.5 GHz, Pin=100mW/Area Scan (61x61x1):** Interpolated grid: dx=1.000 mm, dy=1.000 mm

Reference Value = 47.287 V/m; Power Drift = 0.04 dB

**Fast SAR: SAR(1 g) = 6.14 W/kg; SAR(10 g) = 1.79 W/kg**

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

**Body/5.5 GHz, Pin=100mW/Zoom Scan (8x8x7)/Cube 0:** Measurement grid: dx=4mm, dy=4mm,

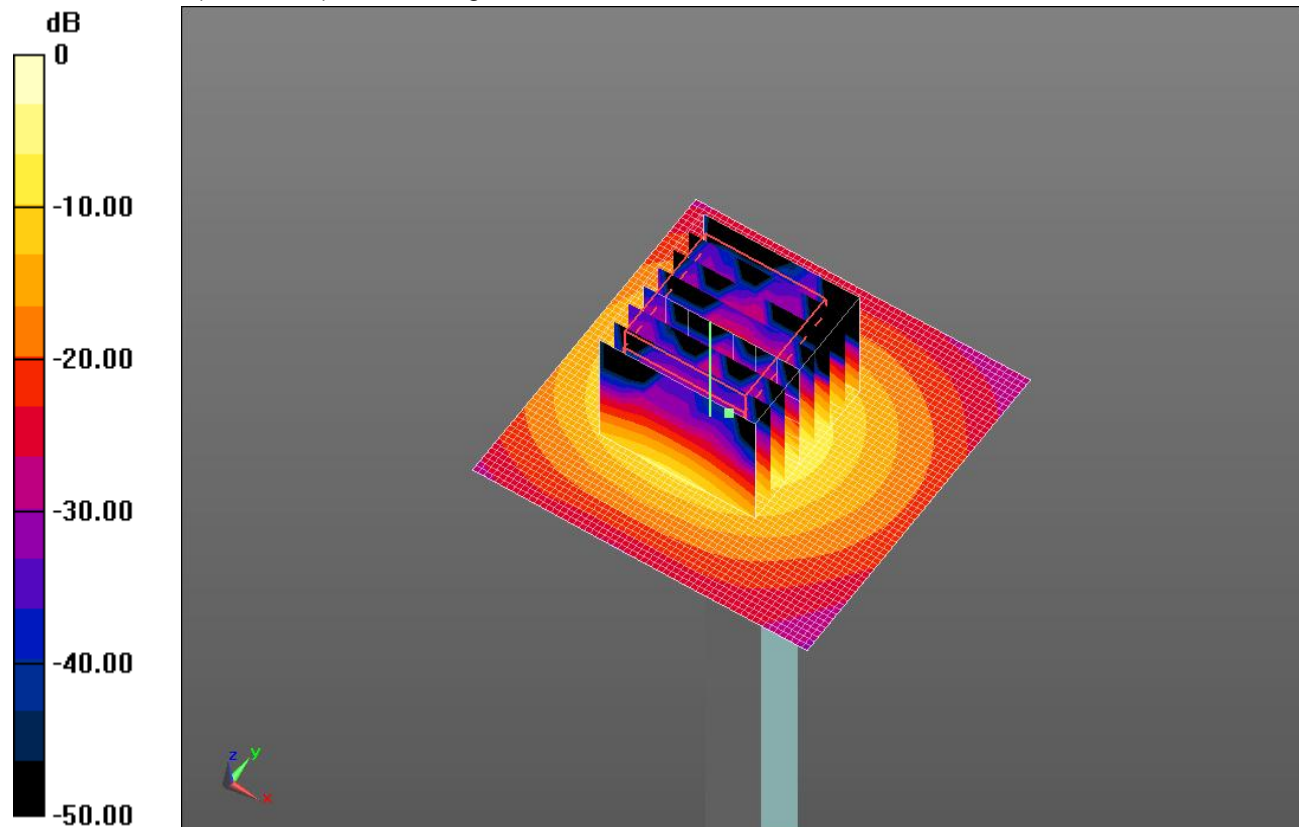
dz=1.4mm

Reference Value = 47.287 V/m; Power Drift = 0.04 dB

Peak SAR (extrapolated) = 33.0 W/kg

**SAR(1 g) = 7.97 W/kg; SAR(10 g) = 2.29 W/kg**

Maximum value of SAR (measured) = 19.2 W/kg

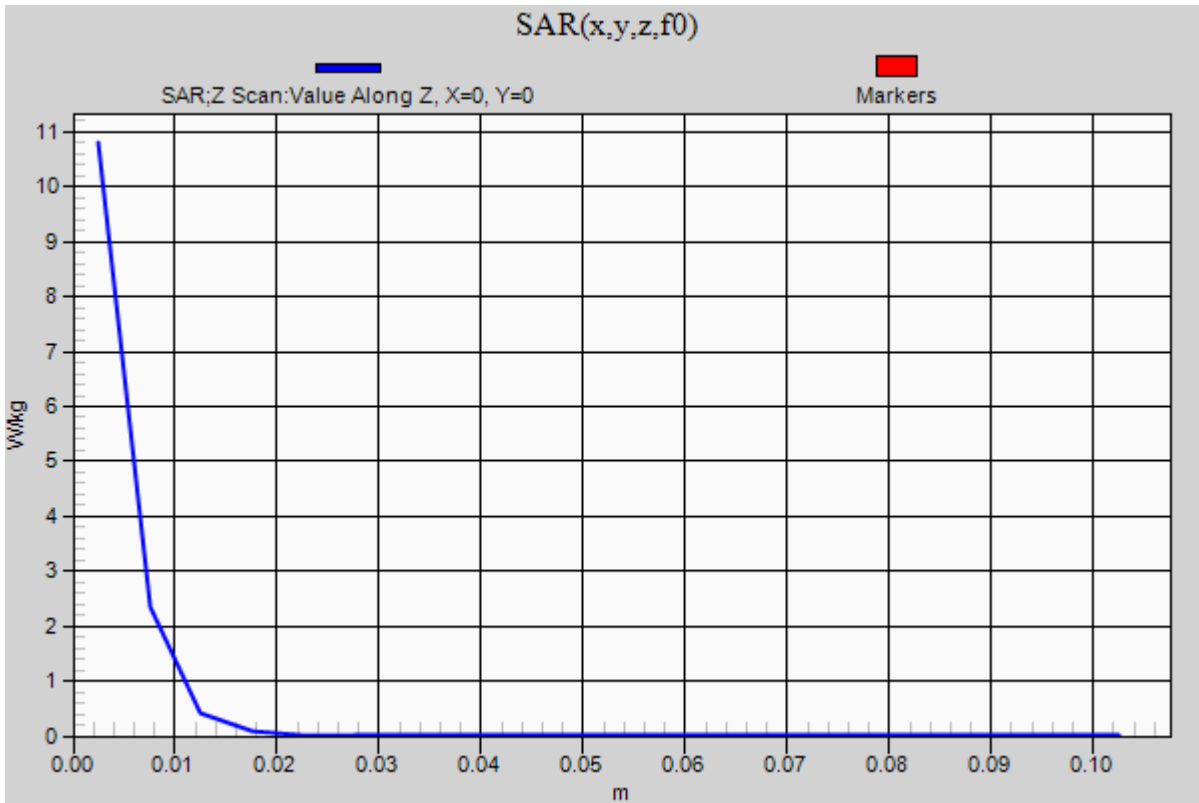


0 dB = 19.2 W/kg = 12.83 dBW/kg

### 20130904\_SystemPerformanceCheck-D5GHzV2 SN 1138

Frequency: 5500 MHz; Duty Cycle: 1:1

**Body/5.5 GHz, Pin=100mW/Z Scan (1x1x21):** Measurement grid: dx=20mm, dy=20mm, dz=5mm  
Maximum value of SAR (measured) = 10.8 W/kg



## 20130904\_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:  $f = 5600$  MHz;  $\sigma = 5.941$  S/m;  $\epsilon_r = 46.836$ ;  $\rho = 1000$  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 Sn1259; Calibrated: 2/7/2013
- Probe: EX3DV4 - SN3929; ConvF(3.62, 3.62, 3.62); Calibrated: 6/24/2013;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection (Locations From Previous Scan Used)), Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Phantom: ELI-A v5.0; Type: QDOVA002AA; Serial: TP 1194

**Body/5.6 GHz, Pin=100mW/Area Scan (61x61x1):** Interpolated grid: dx=1.000 mm, dy=1.000 mm

Reference Value = 46.361 V/m; Power Drift = 0.07 dB

**Fast SAR: SAR(1 g) = 6.3 W/kg; SAR(10 g) = 1.8 W/kg**

Maximum value of SAR (interpolated) = 16.7 W/kg

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

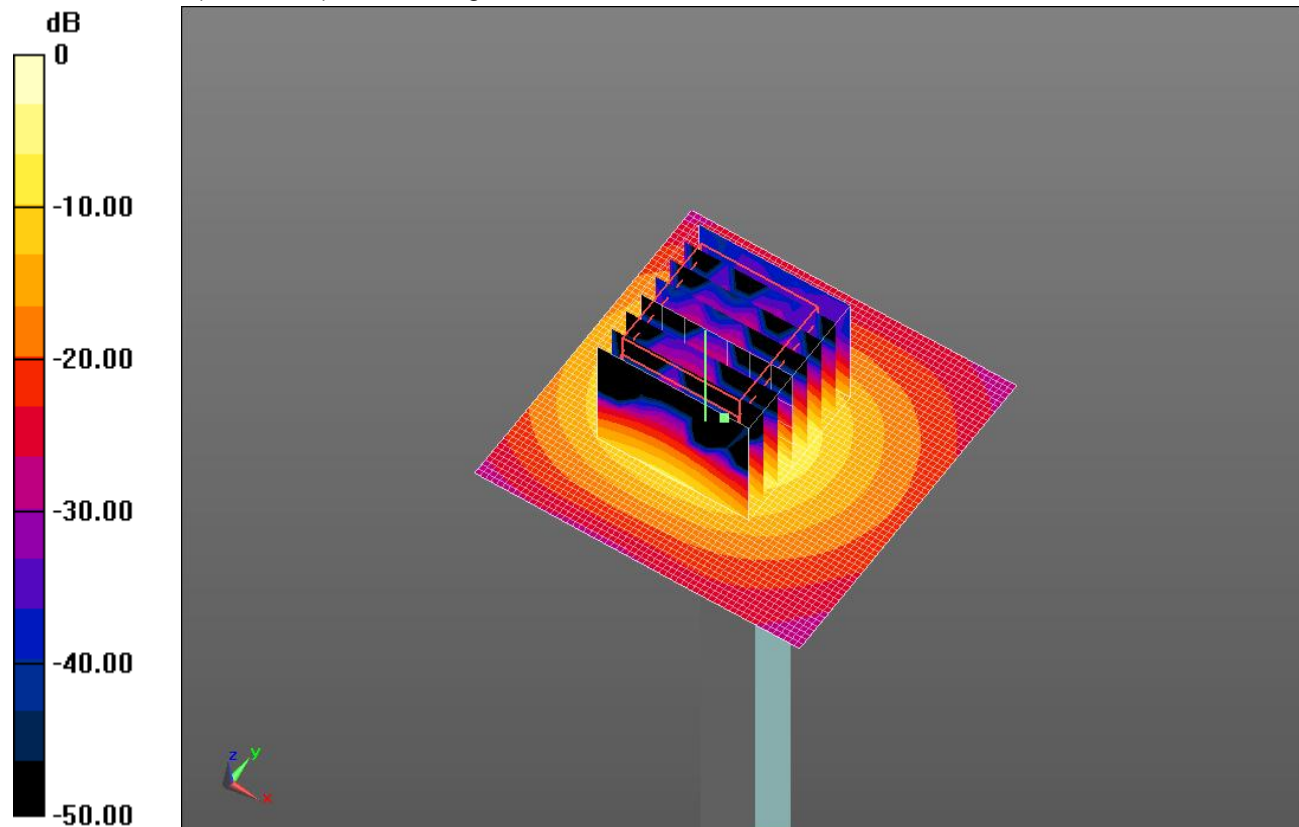
dz=1.4mm

Reference Value = 46.361 V/m; Power Drift = 0.07 dB

Peak SAR (extrapolated) = 35.9 W/kg

**SAR(1 g) = 8.11 W/kg; SAR(10 g) = 2.31 W/kg**

Maximum value of SAR (measured) = 19.9 W/kg

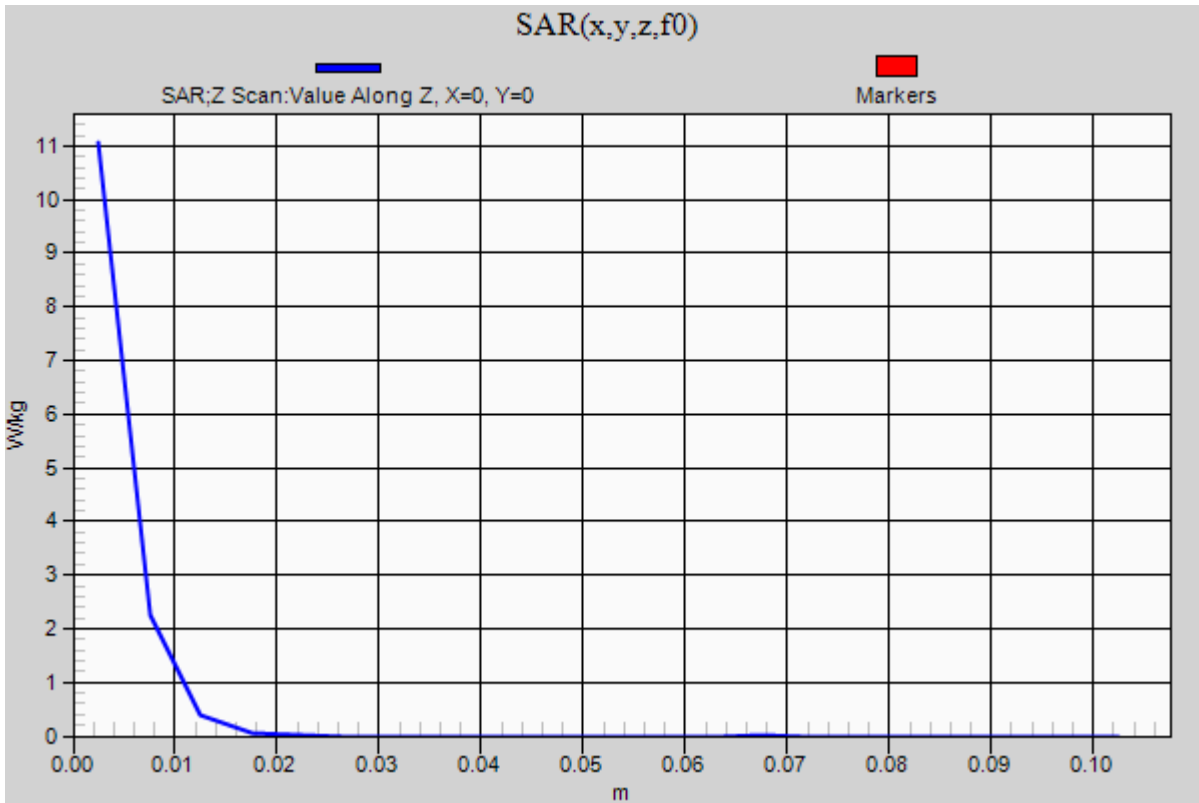


0 dB = 19.9 W/kg = 12.99 dBW/kg

### 20130904\_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) = 11.1 W/kg



## 20130926 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:  $f = 5800$  MHz;  $\sigma = 6.245$  S/m;  $\epsilon_r = 46.657$ ;  $\rho = 1000$  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 Sn1259; Calibrated: 2/7/2013
- Probe: EX3DV4 - SN3929; ConvF(3.81, 3.81, 3.81); Calibrated: 6/24/2013;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Phantom: ELI-A v5.0; Type: QDOVA002AA; Serial: TP 1194

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

Reference Value = 50.922 V/m; Power Drift = -0.00 dB

**Fast SAR: SAR(1 g) = 7.35 W/kg; SAR(10 g) = 2 W/kg**

Maximum value of SAR (interpolated) = 20.7 W/kg

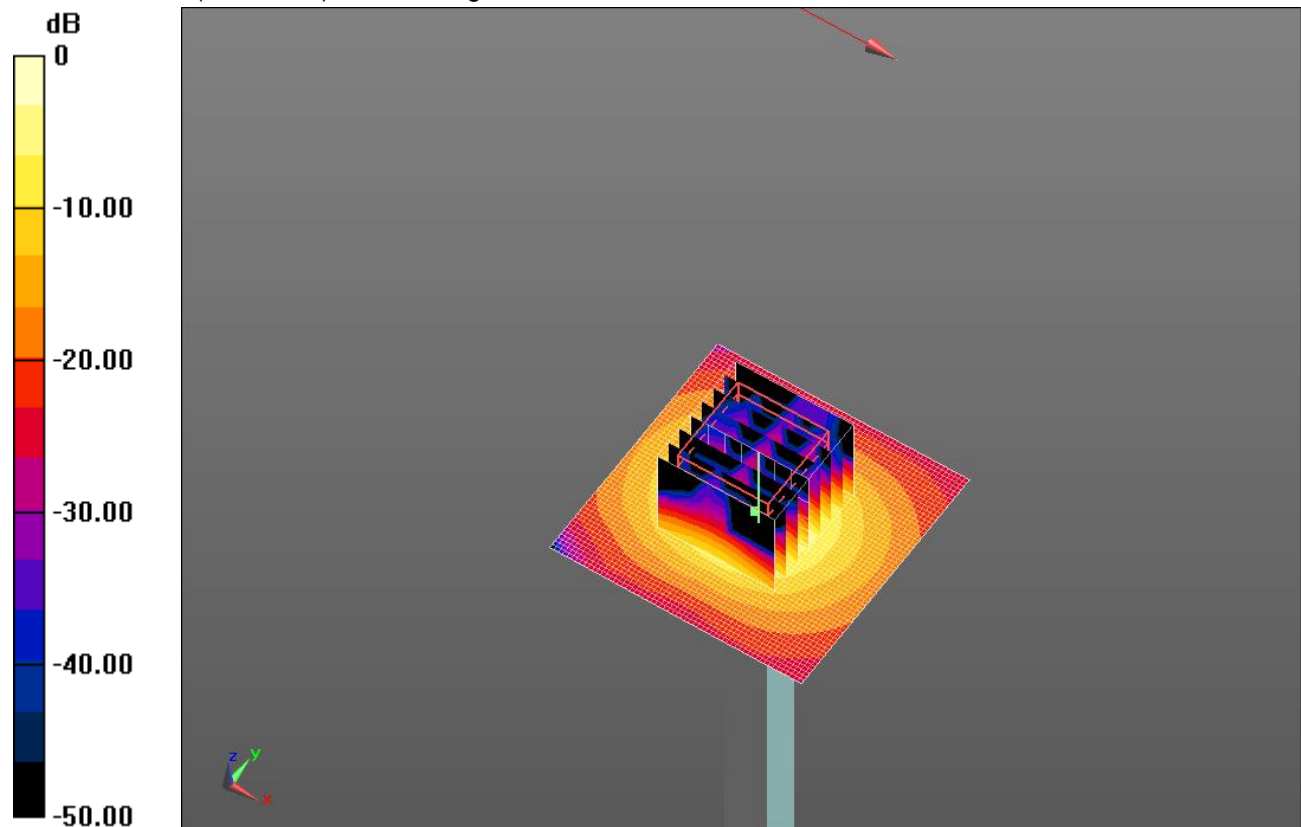
**Body/5.8 GHz, Pin=100mW/Zoom Scan (8x8x7)/Cube 0:** Measurement grid: dx=4mm, dy=4mm, dz=1.4mm

Reference Value = 50.922 V/m; Power Drift = -0.00 dB

Peak SAR (extrapolated) = 34.9 W/kg

**SAR(1 g) = 7.83 W/kg; SAR(10 g) = 2.2 W/kg**

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

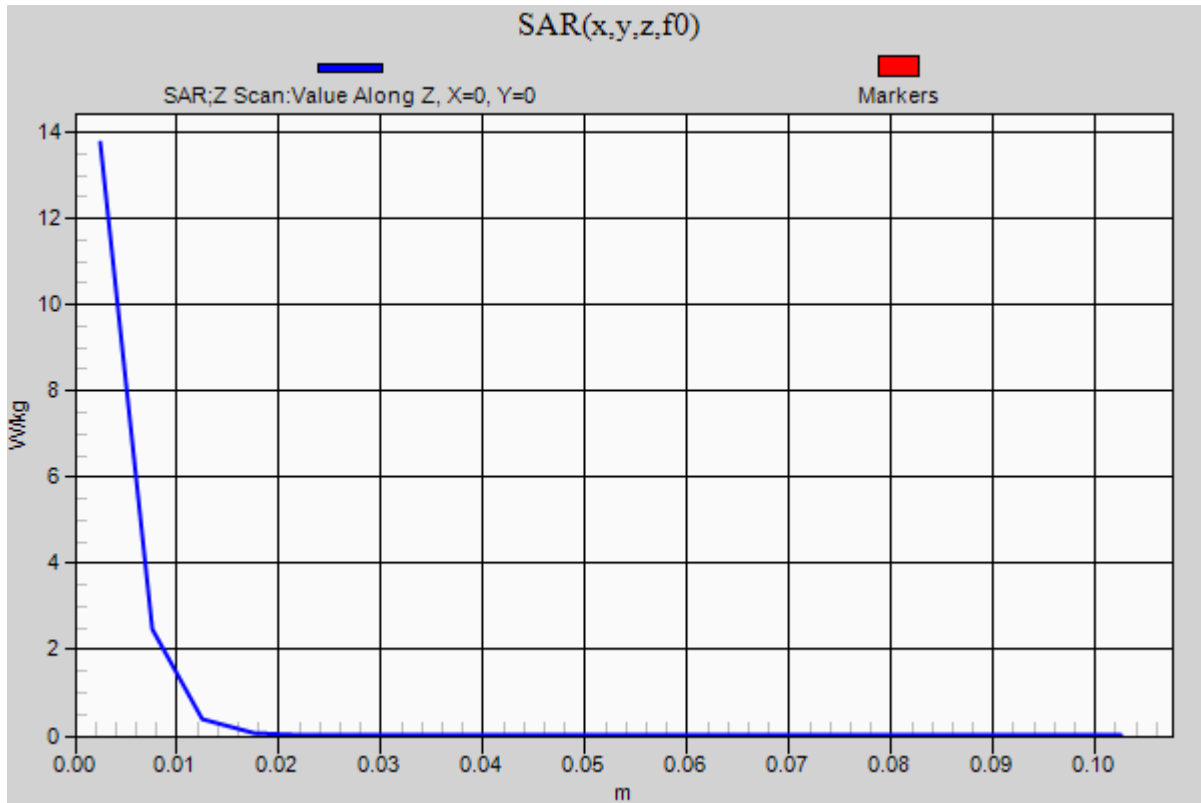


0 dB = 19.6 W/kg = 12.92 dBW/kg

### 20130926 SystemPerformanceCheck-D5GHzV2 SN 1138

Frequency: 5800 MHz; Duty Cycle: 1:1

**Body/5.8 GHz, Pin=100mW/Z Scan (1x1x21):** Measurement grid: dx=20mm, dy=20mm, dz=5mm  
Maximum value of SAR (measured) = 13.8 W/kg





## 20130915\_SystemPerformanceCheck-D2450V2 SN 706

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

Medium parameters used:  $f = 2450$  MHz;  $\sigma = 1.954$  S/m;  $\epsilon_r = 54.031$ ;  $\rho = 1000$  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 Sn1259; Calibrated: 2/7/2013
- Probe: EX3DV4 - SN3929; ConvF(6.66, 6.66, 6.66); Calibrated: 6/24/2013;
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Phantom: ELI-B v5.0; Type: QDOVA002AA; Serial: TP:1195

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

Reference Value = 58.520 V/m; Power Drift = -0.02 dB

**Fast SAR: SAR(1 g) = 4.74 W/kg; SAR(10 g) = 2.06 W/kg**

Maximum value of SAR (interpolated) = 6.92 W/kg

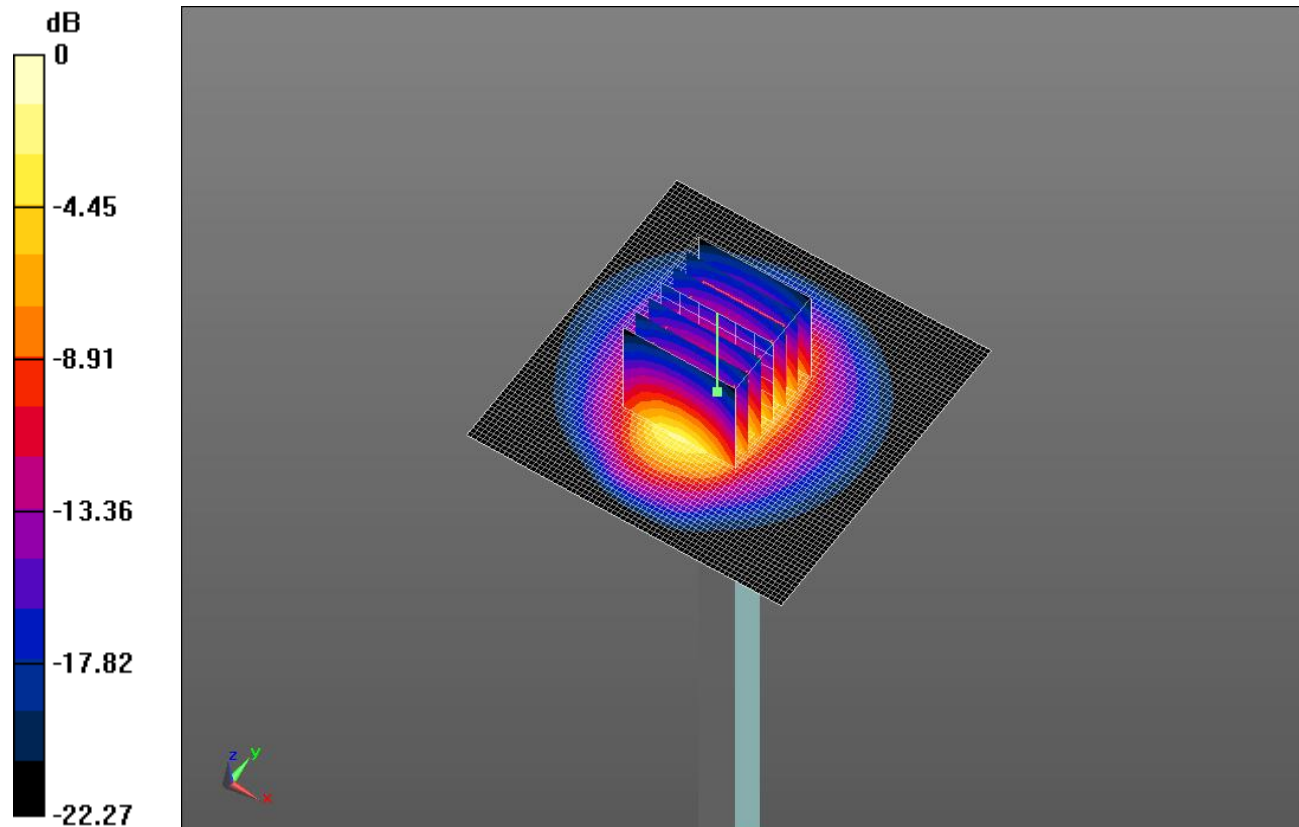
**Body/Pin=100 mW/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 58.520 V/m; Power Drift = -0.02 dB

Peak SAR (extrapolated) = 9.99 W/kg

**SAR(1 g) = 4.79 W/kg; SAR(10 g) = 2.21 W/kg**

Maximum value of SAR (measured) = 6.83 W/kg

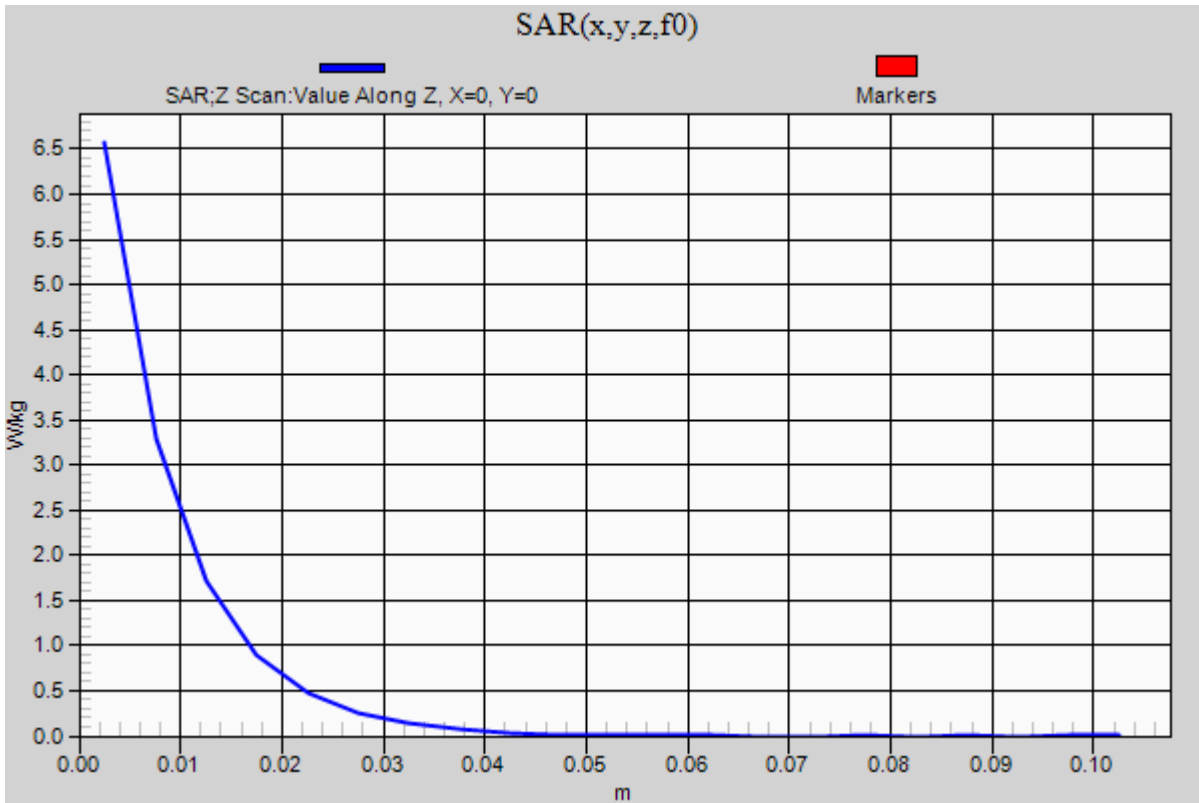


0 dB = 6.83 W/kg = 8.34 dBW/kg

### 20130915\_SystemPerformanceCheck-D2450V2 SN 706

Frequency: 2450 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) = 6.57 W/kg



## 20130818\_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:  $f = 5800$  MHz;  $\sigma = 6.073$  S/m;  $\epsilon_r = 46.756$ ;  $\rho = 1000$  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 Sn1359; Calibrated: 2/8/2013
- Probe: EX3DV4 - SN3773; ConvF(4.05, 4.05, 4.05); Calibrated: 4/26/2013;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection (Locations From Previous Scan Used)), Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Phantom: ELI v5.0; Type: QDOVA002AA; Serial: TP:1198

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

Reference Value = 46.540 V/m; Power Drift = -0.01 dB

**Fast SAR: SAR(1 g) = 6.45 W/kg; SAR(10 g) = 1.77 W/kg**

Maximum value of SAR (interpolated) = 18.0 W/kg

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

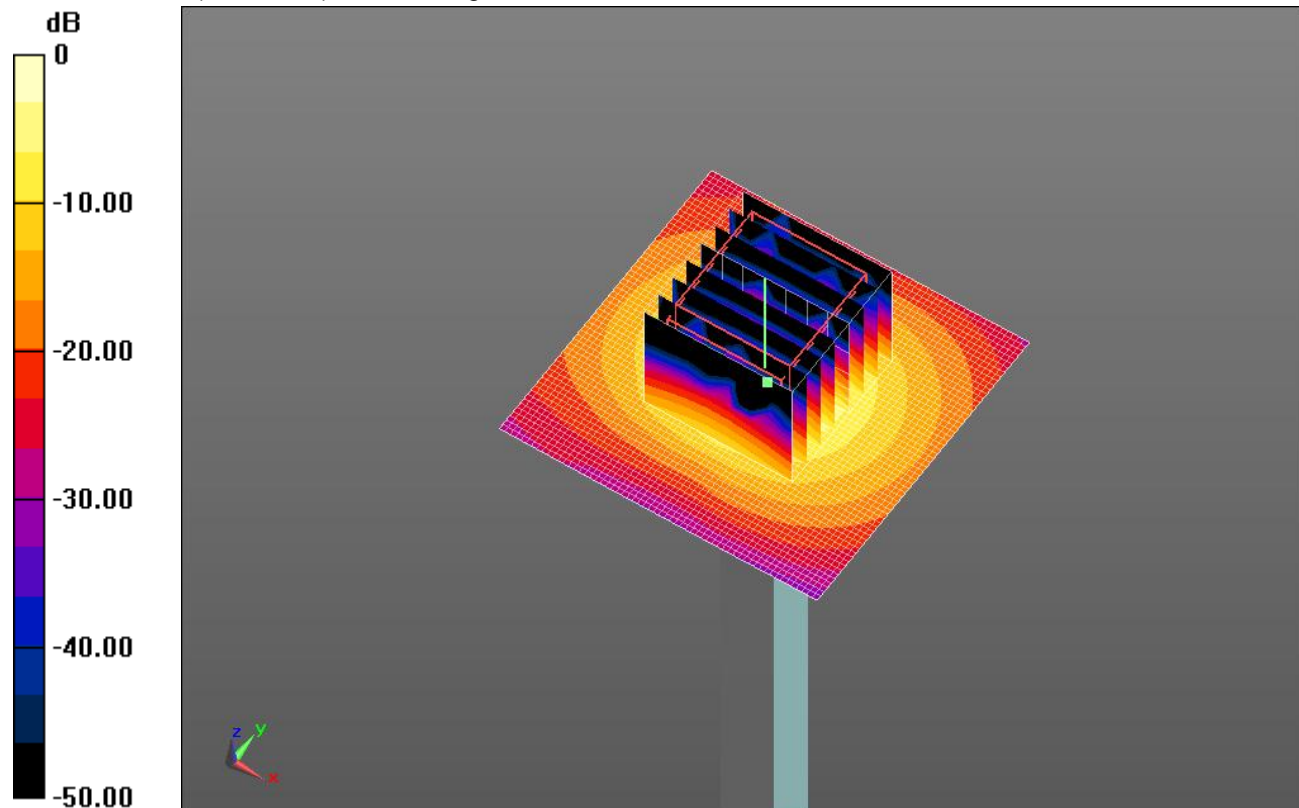
dz=1.4mm

Reference Value = 46.540 V/m; Power Drift = -0.01 dB

Peak SAR (extrapolated) = 33.4 W/kg

**SAR(1 g) = 6.87 W/kg; SAR(10 g) = 1.94 W/kg**

Maximum value of SAR (measured) = 17.3 W/kg

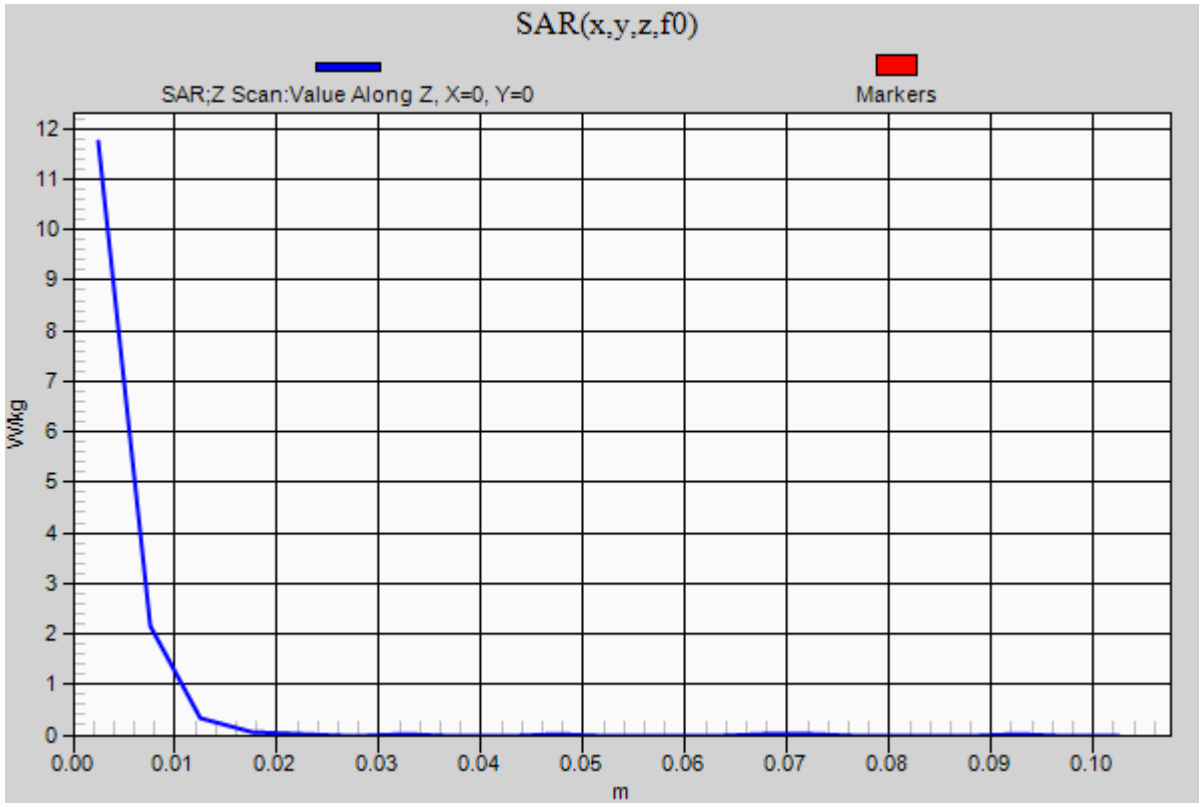


0 dB = 17.3 W/kg = 12.38 dBW/kg

### 20130818\_SystemPerformanceCheck-D5GHzV2 SN 1138

Frequency: 5800 MHz; Duty Cycle: 1:1

**Body/5.8 GHz, Pin=100mW/Z Scan (1x1x21):** Measurement grid: dx=20mm, dy=20mm, dz=5mm  
Maximum value of SAR (measured) = 11.7 W/kg



## 20130903\_SystemPerformanceCheck-D5GHzV2 SN 1138

Frequency: 5200 MHz; Duty Cycle: 1:1; Room Ambient Temperature: 24.0°C; Liquid Temperature: 23.0°C

Medium parameters used:  $f = 5200$  MHz;  $\sigma = 5.256$  S/m;  $\epsilon_r = 47.391$ ;  $\rho = 1000$  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 Sn1359; Calibrated: 2/8/2013
- Probe: EX3DV4 - SN3773; ConvF(4.39, 4.39, 4.39); Calibrated: 4/26/2013;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Phantom: ELI v5.0; Type: QDOVA002AA; Serial: TP:1198

**Body/5.2 GHz, Pin=100mW/Area Scan (61x61x1):** Interpolated grid: dx=1.000 mm, dy=1.000 mm

Reference Value = 50.610 V/m; Power Drift = 0.02 dB

**Fast SAR: SAR(1 g) = 7.51 W/kg; SAR(10 g) = 2.09 W/kg**

Maximum value of SAR (interpolated) = 19.2 W/kg

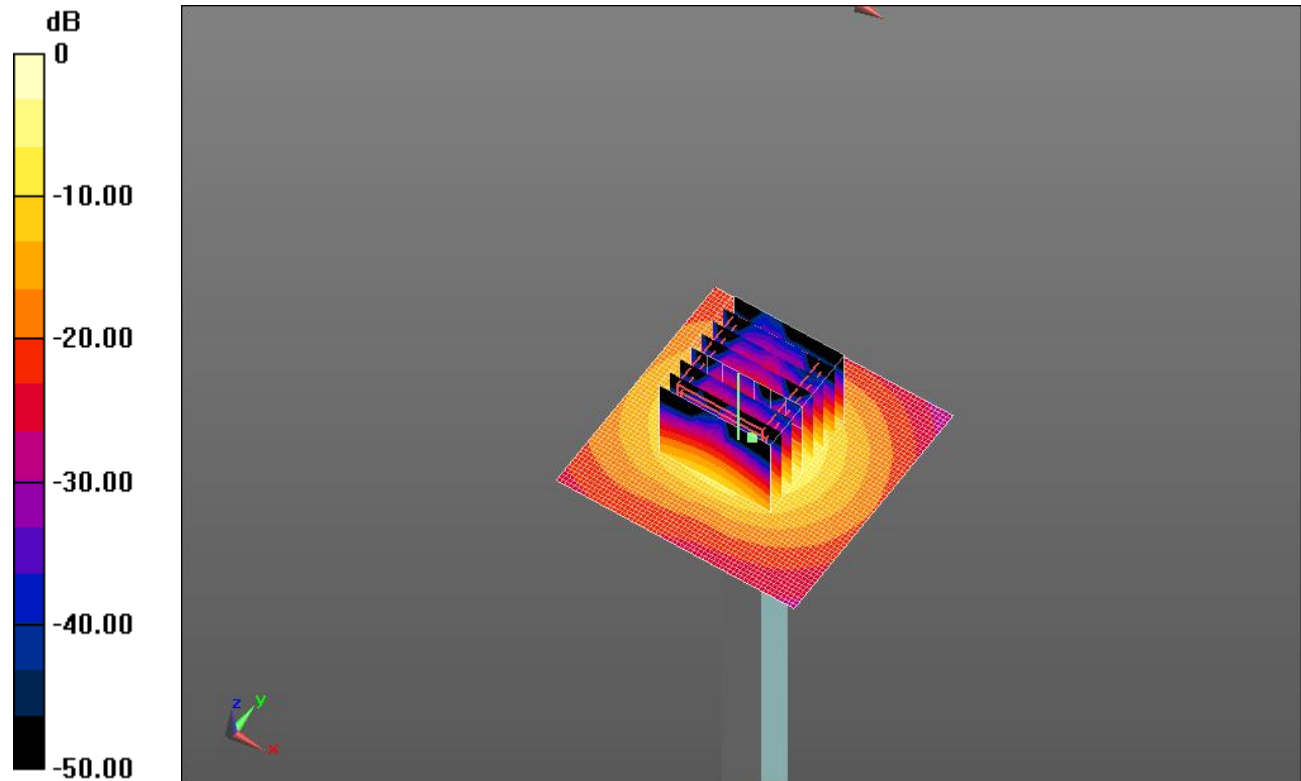
**Body/5.2 GHz, Pin=100mW/Zoom Scan (8x8x7)/Cube 0:** Measurement grid: dx=4mm, dy=4mm, dz=1.4mm

Reference Value = 50.610 V/m; Power Drift = 0.02 dB

Peak SAR (extrapolated) = 33.4 W/kg

**SAR(1 g) = 7.77 W/kg; SAR(10 g) = 2.19 W/kg**

Maximum value of SAR (measured) = 18.7 W/kg

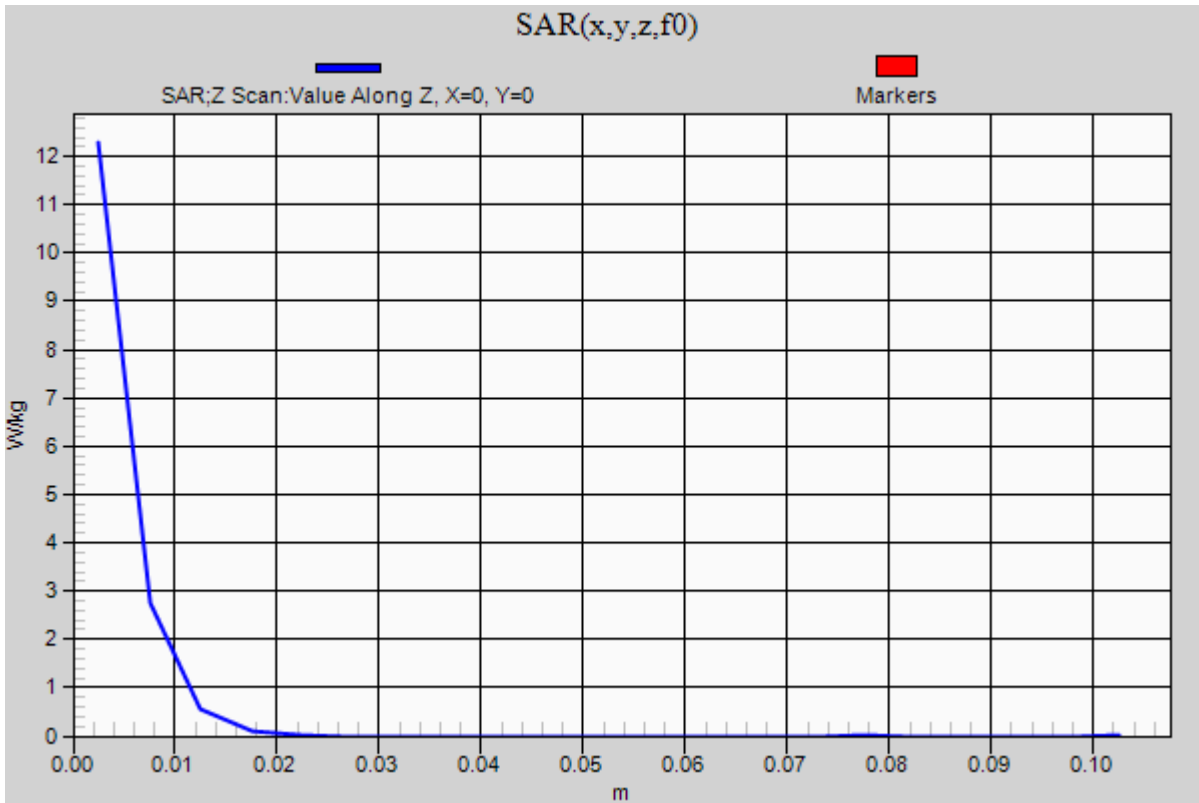


0 dB = 18.7 W/kg = 12.72 dBW/kg

### 20130903\_SystemPerformanceCheck-D5GHzV2 SN 1138

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) = 12.3 W/kg



## 20130917\_SystemPerformanceCheck-D5GHzV2 SN 1138

Frequency: 5500 MHz; Duty Cycle: 1:1; Room Ambient Temperature: 24.0°C; Liquid Temperature: 23.0°C

Medium parameters used:  $f = 5500$  MHz;  $\sigma = 5.737$  S/m;  $\epsilon_r = 47.392$ ;  $\rho = 1000$  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 Sn1359; Calibrated: 2/8/2013
- Probe: EX3DV4 - SN3773; ConvF(3.87, 3.87, 3.87); Calibrated: 4/26/2013;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection (Locations From Previous Scan Used)), Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Phantom: ELI v5.0; Type: QDOVA002AA; Serial: TP:1198

**Body/5.5 GHz, Pin=100mW/Area Scan (61x61x1):** Interpolated grid: dx=1.000 mm, dy=1.000 mm

Reference Value = 42.566 V/m; Power Drift = 0.08 dB

**Fast SAR: SAR(1 g) = 7.87 W/kg; SAR(10 g) = 2.23 W/kg**

Maximum value of SAR (interpolated) = 20.9 W/kg

**Body/5.5 GHz, Pin=100mW/Zoom Scan (8x8x7)/Cube 0:** Measurement grid: dx=4mm, dy=4mm,

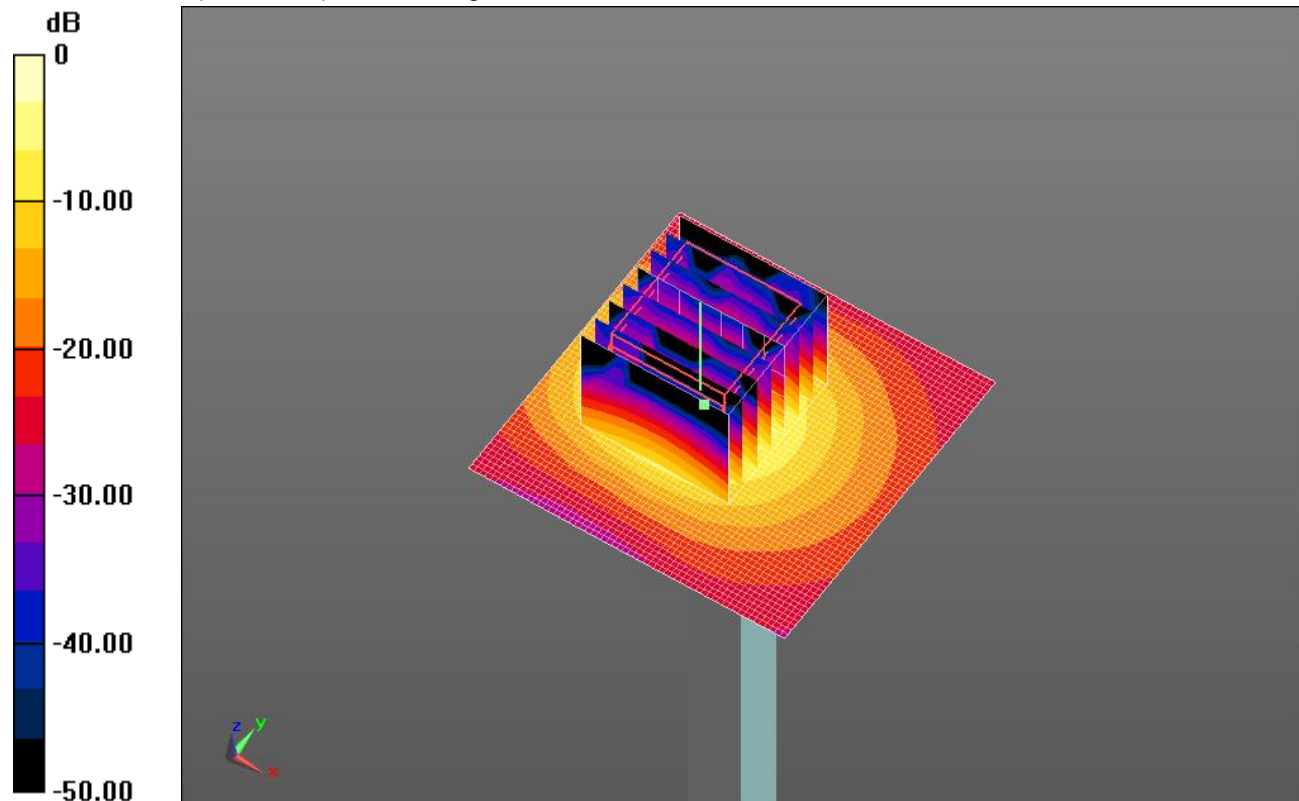
dz=1.4mm

Reference Value = 42.566 V/m; Power Drift = 0.08 dB

Peak SAR (extrapolated) = 37.5 W/kg

**SAR(1 g) = 8.34 W/kg; SAR(10 g) = 2.36 W/kg**

Maximum value of SAR (measured) = 19.8 W/kg

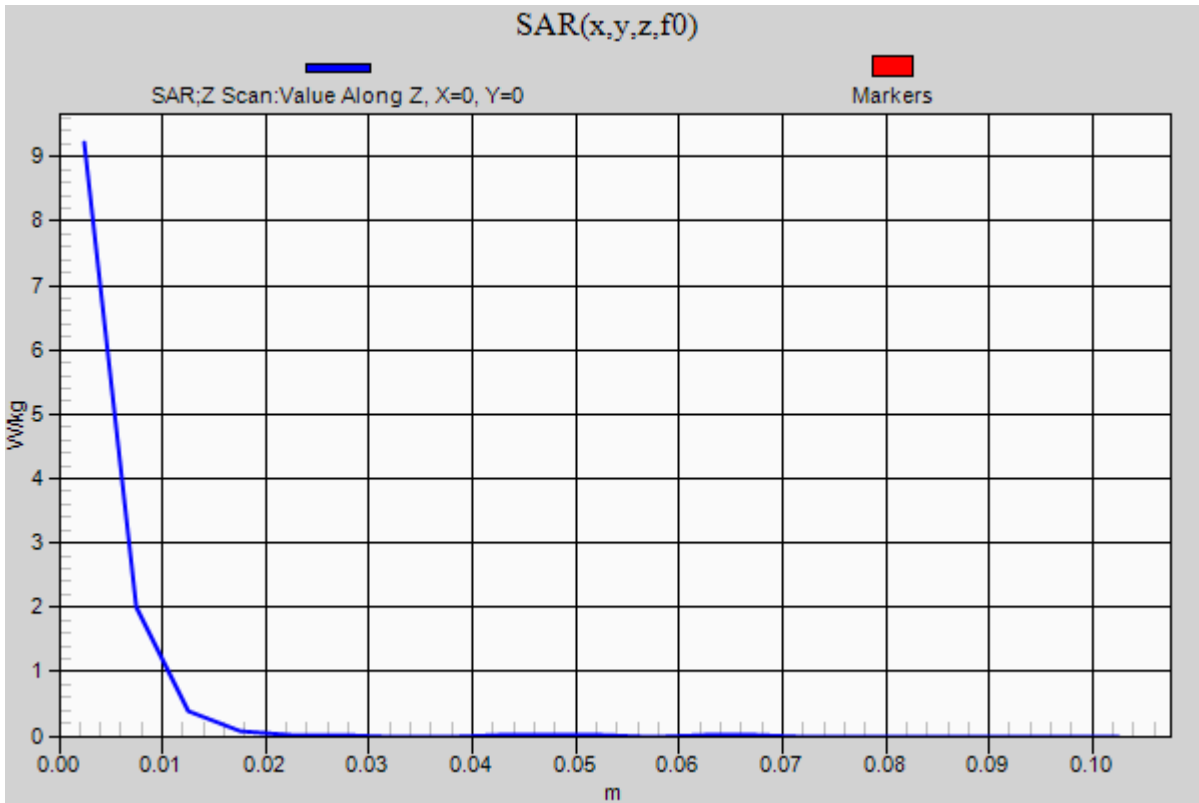


0 dB = 19.8 W/kg = 12.97 dBW/kg

### 20130917\_SystemPerformanceCheck-D5GHzV2 SN 1138

Frequency: 5500 MHz; Duty Cycle: 1:1

**Body/5.5 GHz, Pin=100mW/Z Scan (1x1x21):** Measurement grid: dx=20mm, dy=20mm, dz=5mm  
Maximum value of SAR (measured) = 9.22 W/kg





## 20130917\_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:  $f = 5600$  MHz;  $\sigma = 5.888$  S/m;  $\epsilon_r = 47.213$ ;  $\rho = 1000$  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 Sn1359; Calibrated: 2/8/2013
- Probe: EX3DV4 - SN3773; ConvF(3.79, 3.79, 3.79); Calibrated: 4/26/2013;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection (Locations From Previous Scan Used)), Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Phantom: ELI v5.0; Type: QDOVA002AA; Serial: TP:1198

**Body/5.6 GHz, Pin=100mW/Area Scan (61x61x1):** Interpolated grid: dx=1.000 mm, dy=1.000 mm

Reference Value = 42.108 V/m; Power Drift = 0.06 dB

**Fast SAR: SAR(1 g) = 7.87 W/kg; SAR(10 g) = 2.22 W/kg**

Maximum value of SAR (interpolated) = 21.0 W/kg

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

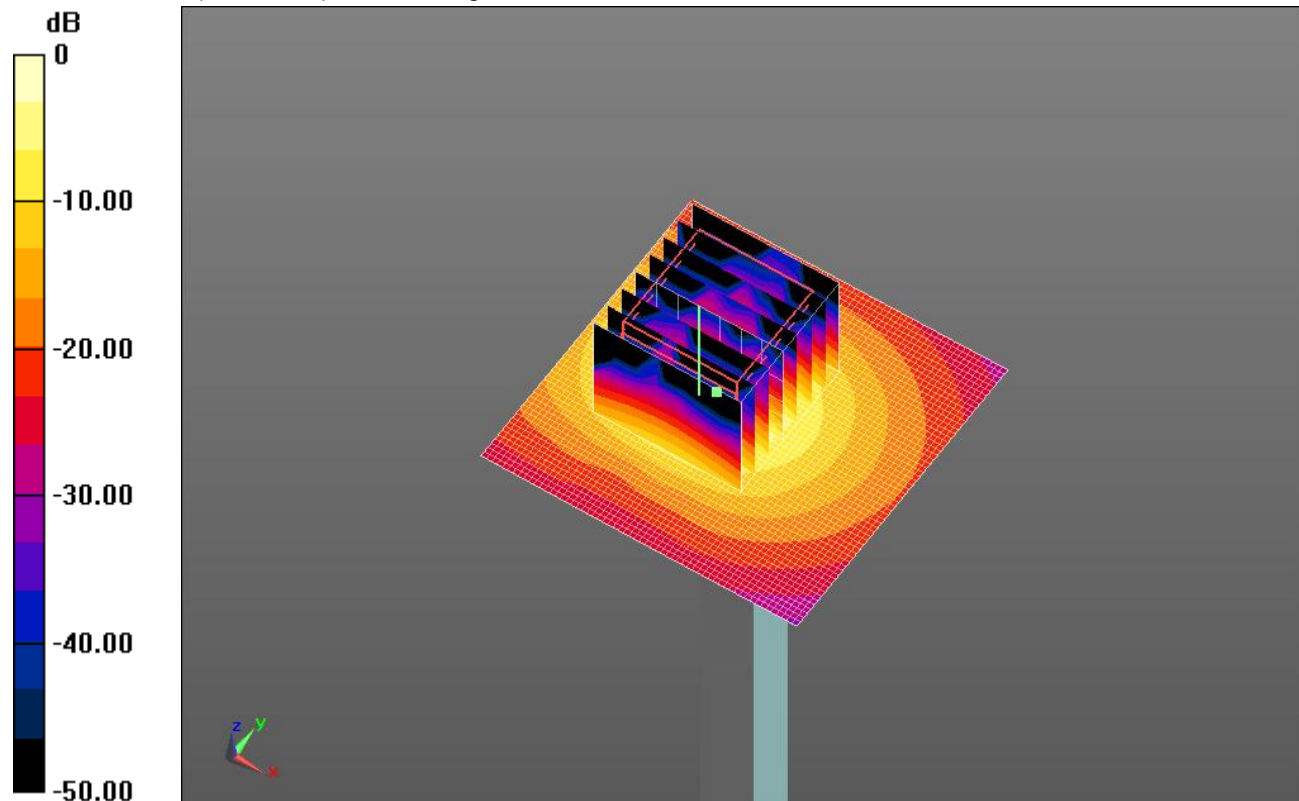
dz=1.4mm

Reference Value = 42.108 V/m; Power Drift = 0.06 dB

Peak SAR (extrapolated) = 40.2 W/kg

**SAR(1 g) = 8.39 W/kg; SAR(10 g) = 2.35 W/kg**

Maximum value of SAR (measured) = 20.2 W/kg

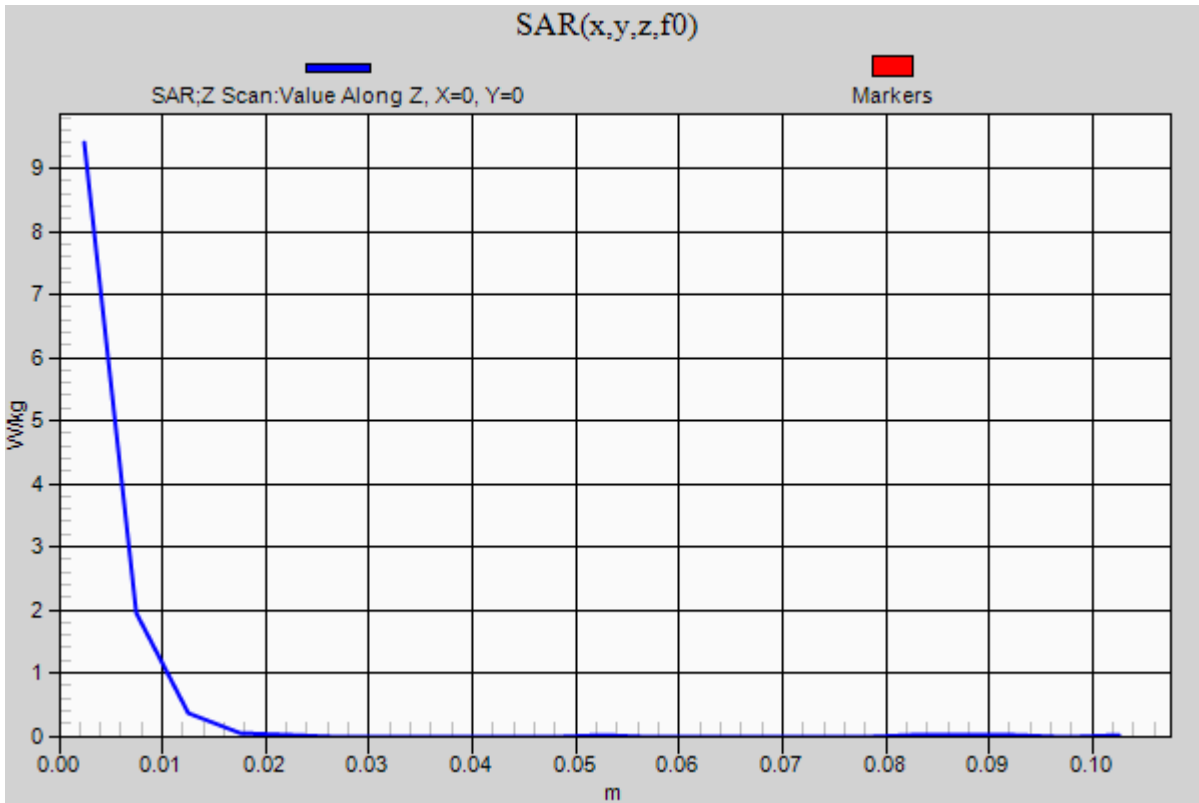


0 dB = 20.2 W/kg = 13.05 dBW/kg

### 20130917\_System\PerformanceCheck-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) = 9.40 W/kg



## 20130820\_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;  $\sigma = 2$  S/m;  $\epsilon_r = 51.401$ ;  $\rho = 1000$  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 Sn1377; Calibrated: 7/15/2013
- Probe: EX3DV4 - SN3902; ConvF(7.2, 7.2, 7.2); Calibrated: 7/12/2013;
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Phantom: ELI v5.0; Type: QDOVA002AA; Serial: TP:xxxx

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

Reference Value = 60.786 V/m; Power Drift = -0.18 dB

**Fast SAR: SAR(1 g) = 5.53 W/kg; SAR(10 g) = 2.39 W/kg**

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

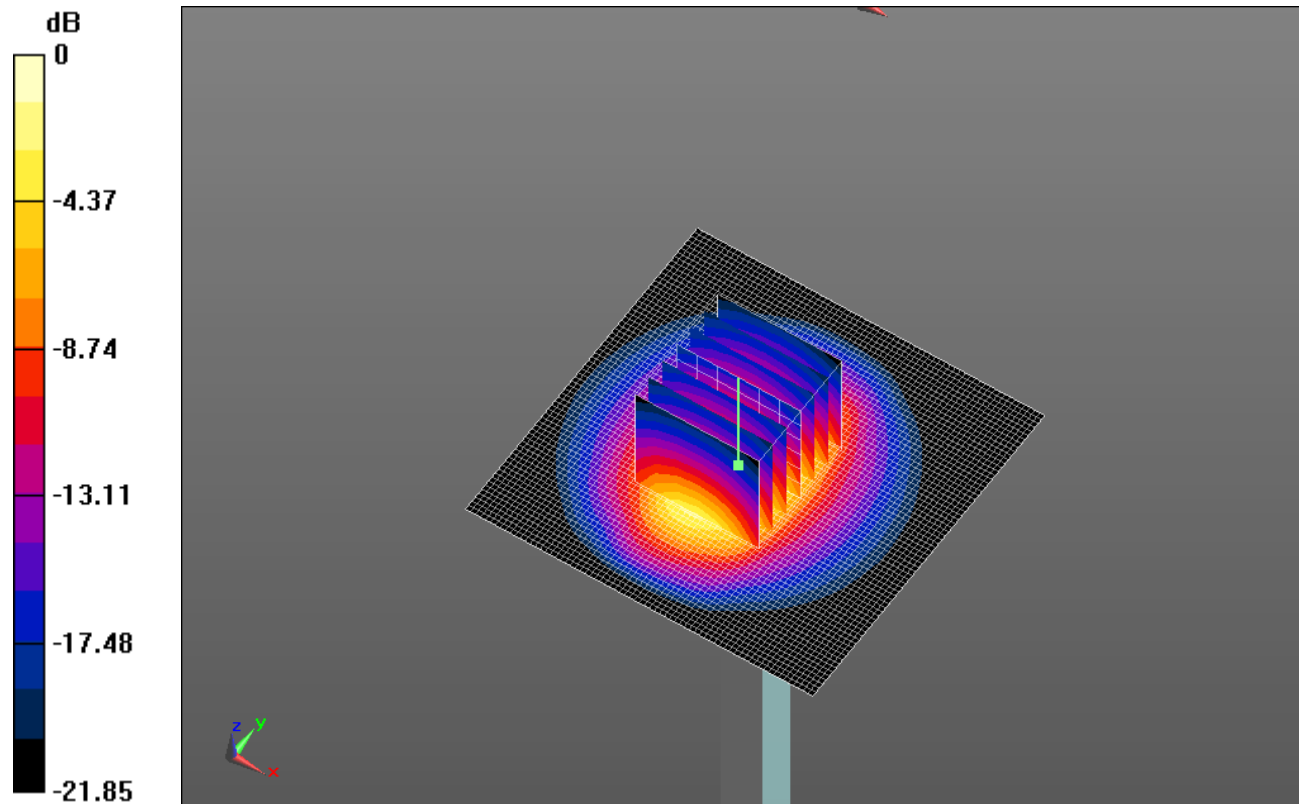
**Body/Pin=100 mW/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 60.786 V/m; Power Drift = -0.18 dB

Peak SAR (extrapolated) = 10.8 W/kg

**SAR(1 g) = 5.27 W/kg; SAR(10 g) = 2.45 W/kg**

Maximum value of SAR (measured) = 7.46 W/kg

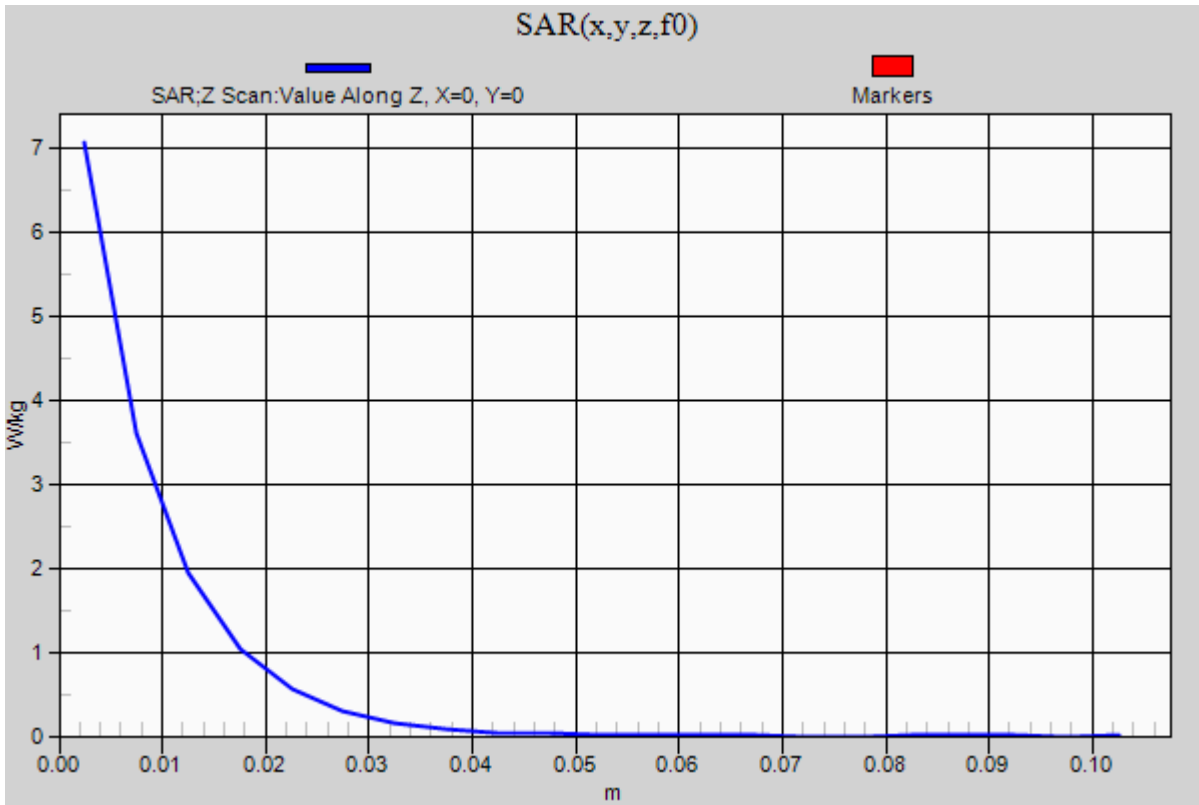


0 dB = 7.46 W/kg = 8.73 dBW/kg

### 20130820\_SystemPerformanceCheck-D2450V2 SN 899

Frequency: 2450 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) = 7.06 W/kg



## 20130903\_SystemPerformanceCheck-D1750V2 SN 1050

Frequency: 1750 MHz; Duty Cycle: 1:1; Room Ambient Temperature: 24.0°C; Liquid Temperature: 23.0°C  
 Medium parameters used:  $f = 1750$  MHz;  $\sigma = 1.454$  S/m;  $\epsilon_r = 53.48$ ;  $\rho = 1000$  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 Sn1377; Calibrated: 7/15/2013
- Probe: EX3DV4 - SN3902; ConvF(7.9, 7.9, 7.9); Calibrated: 7/12/2013;
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Phantom: ELI v5.0; Type: QDOVA002AA; Serial: TP:xxxx

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

Reference Value = 57.861 V/m; Power Drift = 0.05 dB

**Fast SAR: SAR(1 g) = 3.89 W/kg; SAR(10 g) = 2.05 W/kg**

Maximum value of SAR (interpolated) = 5.11 W/kg

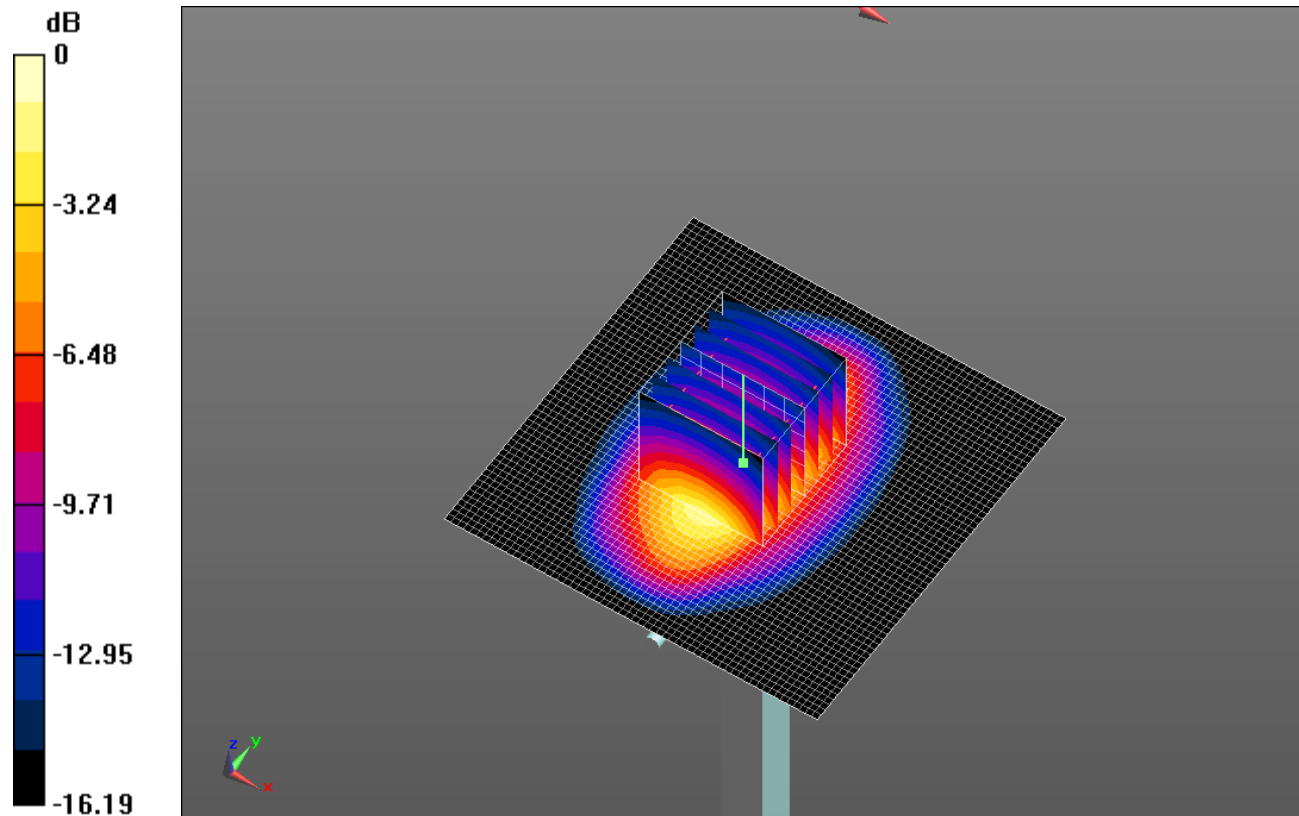
**Body/Pin=100 mW/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 57.861 V/m; Power Drift = 0.05 dB

Peak SAR (extrapolated) = 6.83 W/kg

**SAR(1 g) = 3.85 W/kg; SAR(10 g) = 2.06 W/kg**

Maximum value of SAR (measured) = 5.14 W/kg

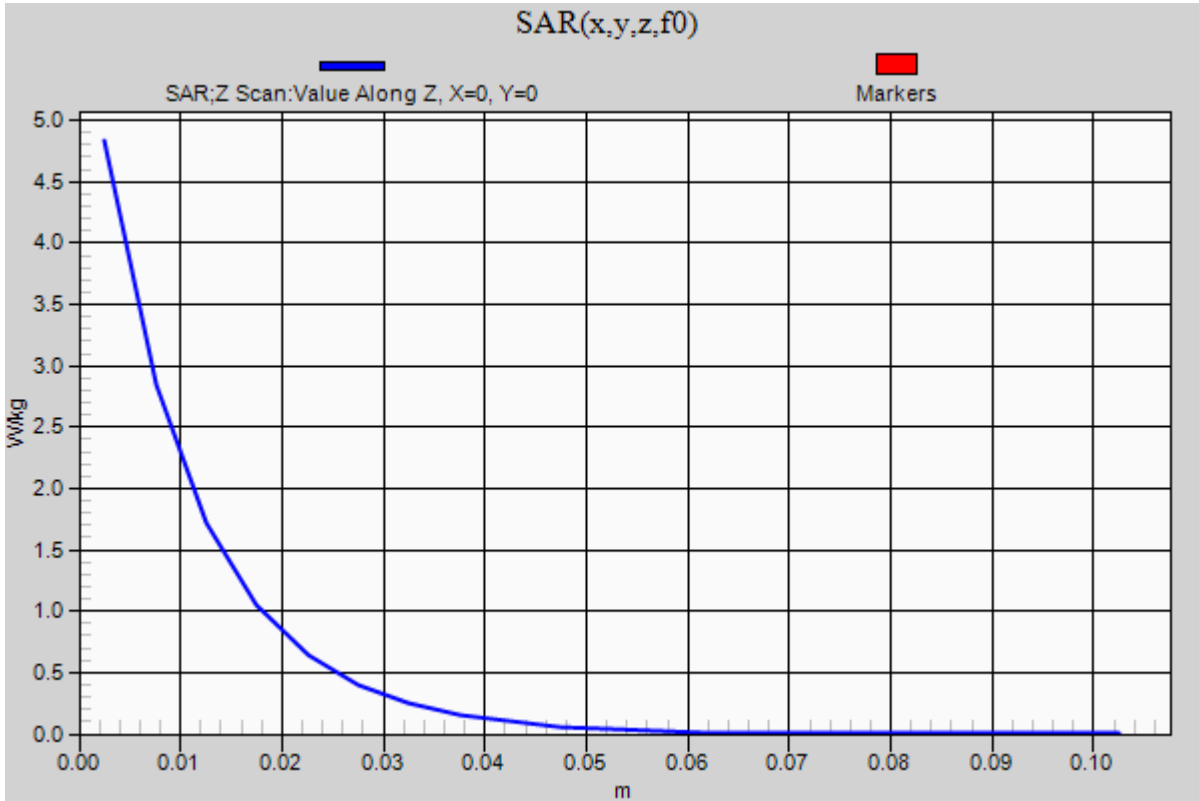


0 dB = 5.14 W/kg = 7.11 dBW/kg

### 20130903\_SystemPerformanceCheck-D1750V2 SN 1050

Frequency: 1750 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) = 4.83 W/kg



## 20130909 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;  $\sigma = 1.501$  S/m;  $\epsilon_r = 52.688$ ;  $\rho = 1000$  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 Sn1377; Calibrated: 7/15/2013
- Probe: EX3DV4 - SN3902; ConvF(7.61, 7.61, 7.61); Calibrated: 7/12/2013;
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Phantom: ELI v5.0; Type: QDOVA002AA; Serial: TP:xxxx

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

Reference Value = 58.063 V/m; Power Drift = 0.01 dB

**Fast SAR: SAR(1 g) = 3.89 W/kg; SAR(10 g) = 1.98 W/kg**

Maximum value of SAR (interpolated) = 5.20 W/kg

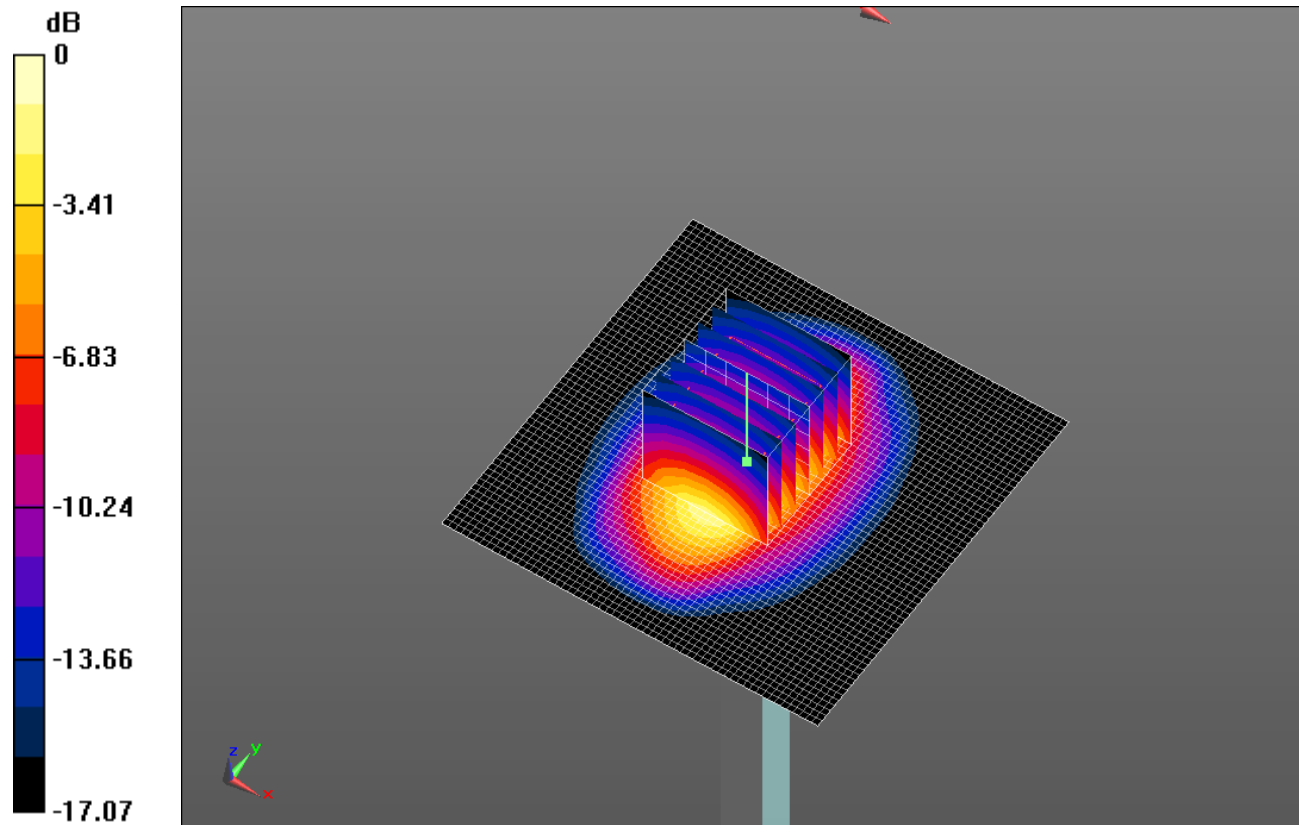
**Body/Pin=100 mW/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 58.063 V/m; Power Drift = 0.01 dB

Peak SAR (extrapolated) = 6.98 W/kg

**SAR(1 g) = 3.88 W/kg; SAR(10 g) = 2.04 W/kg**

Maximum value of SAR (measured) = 5.23 W/kg

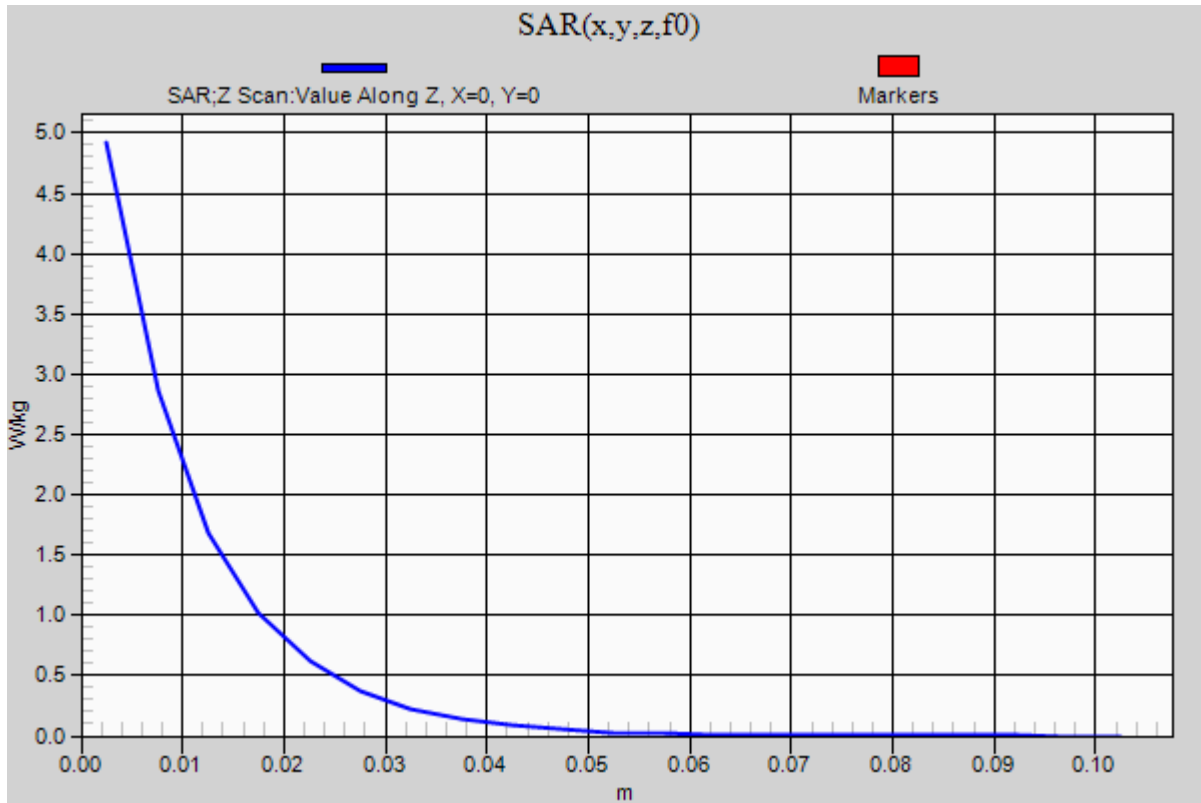


0 dB = 5.23 W/kg = 7.19 dBW/kg

### 20130909 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) = 4.92 W/kg





## 20130909 SystemPerformanceCheck-D750V3 SN 1019

Frequency: 750 MHz; Duty Cycle: 1:1; Room Ambient Temperature: 24.0°C; Liquid Temperature: 23.0°C  
 Medium parameters used:  $f = 750 \text{ MHz}$ ;  $\sigma = 0.967 \text{ S/m}$ ;  $\epsilon_r = 54.579$ ;  $\rho = 1000 \text{ kg/m}^3$

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 Sn1377; Calibrated: 7/15/2013
- Probe: EX3DV4 - SN3902; ConvF(10.15, 10.15, 10.15); Calibrated: 7/12/2013;
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Phantom: ELI v5.0; Type: QDOVA002AA; Serial: TP:xxxx

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

Reference Value = 32.664 V/m; Power Drift = 0.02 dB

**Fast SAR: SAR(1 g) = 0.898 W/kg; SAR(10 g) = 0.610 W/kg**

Maximum value of SAR (interpolated) = 1.06 W/kg

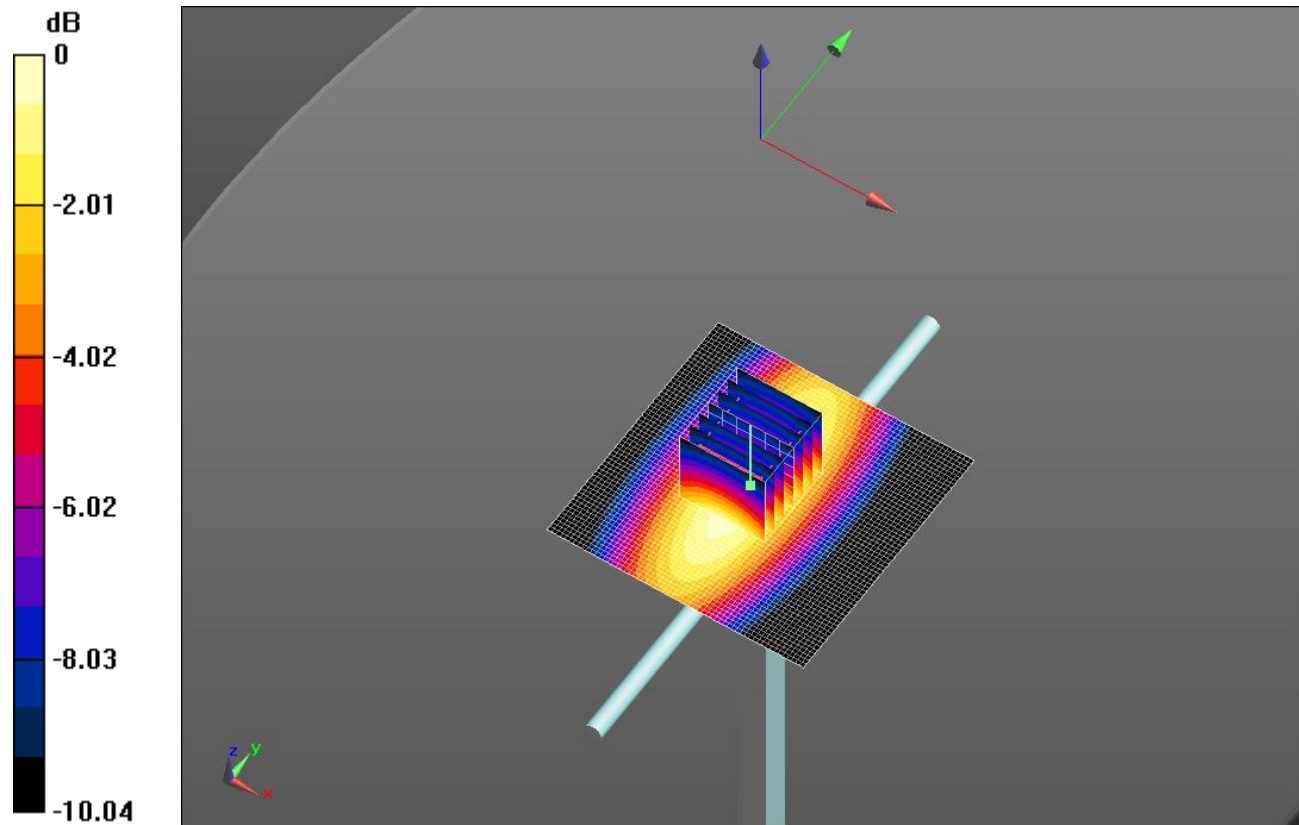
**Body/Pin=100 mW/Zoom Scan (7x7x7)/Cube 0:** Measurement grid:  $dx=5\text{mm}$ ,  $dy=5\text{mm}$ ,  $dz=5\text{mm}$

Reference Value = 32.664 V/m; Power Drift = 0.02 dB

Peak SAR (extrapolated) = 1.30 W/kg

**SAR(1 g) = 0.884 W/kg; SAR(10 g) = 0.586 W/kg**

Maximum value of SAR (measured) = 1.07 W/kg

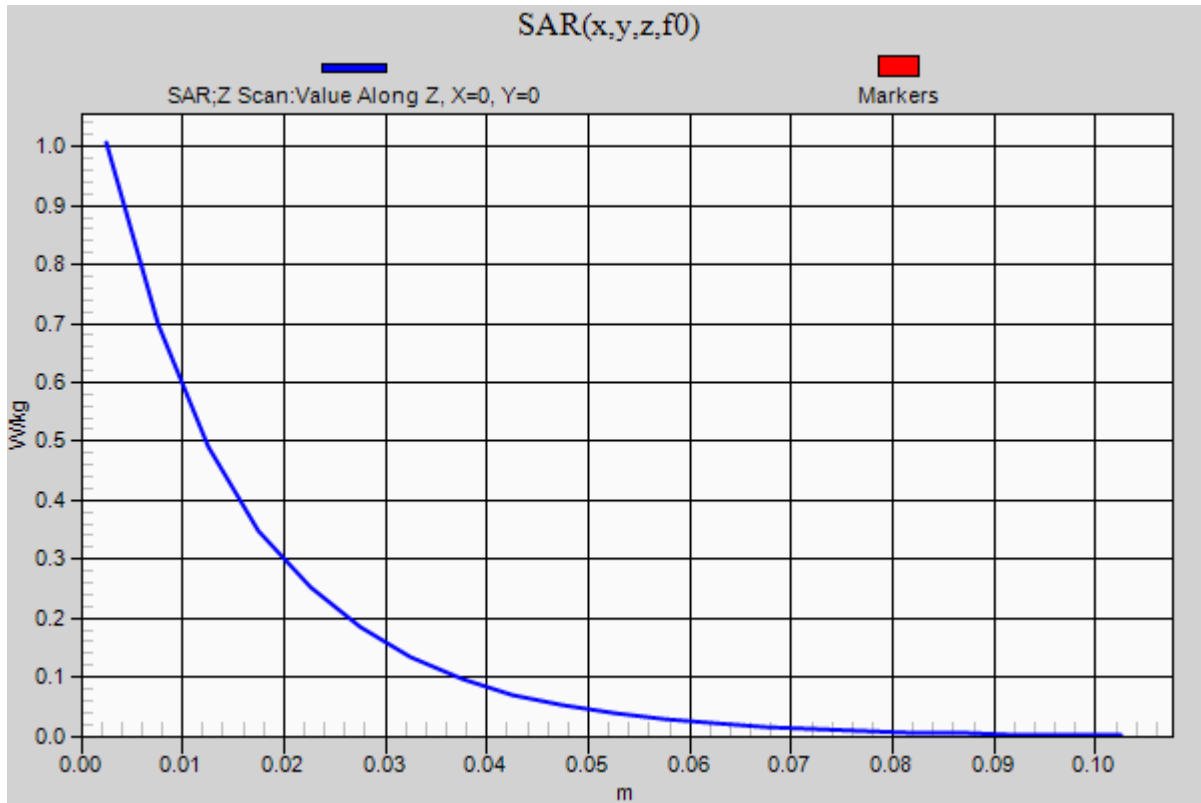


0 dB = 1.07 W/kg = 0.29 dBW/kg

### 20130909 SystemPerformanceCheck-D750V3 SN 1019

Frequency: 750 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) = 1.01 W/kg



## 20130906\_SystemPerformanceCheck-D1750V2 SN 1050

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

Medium parameters used:  $f = 1750$  MHz;  $\sigma = 1.472$  S/m;  $\epsilon_r = 52.681$ ;  $\rho = 1000$  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 Sn1380; Calibrated: 7/15/2013
- Probe: EX3DV4 - SN3936; ConvF(7.73, 7.73, 7.73); Calibrated: 7/22/2013;
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Phantom: ELI A (v5.0); Type: QDOVA002AA; Serial: TP:xxxx

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

Reference Value = 57.982 V/m; Power Drift = -0.02 dB

**Fast SAR: SAR(1 g) = 3.79 W/kg; SAR(10 g) = 1.97 W/kg**

Maximum value of SAR (interpolated) = 5.03 W/kg

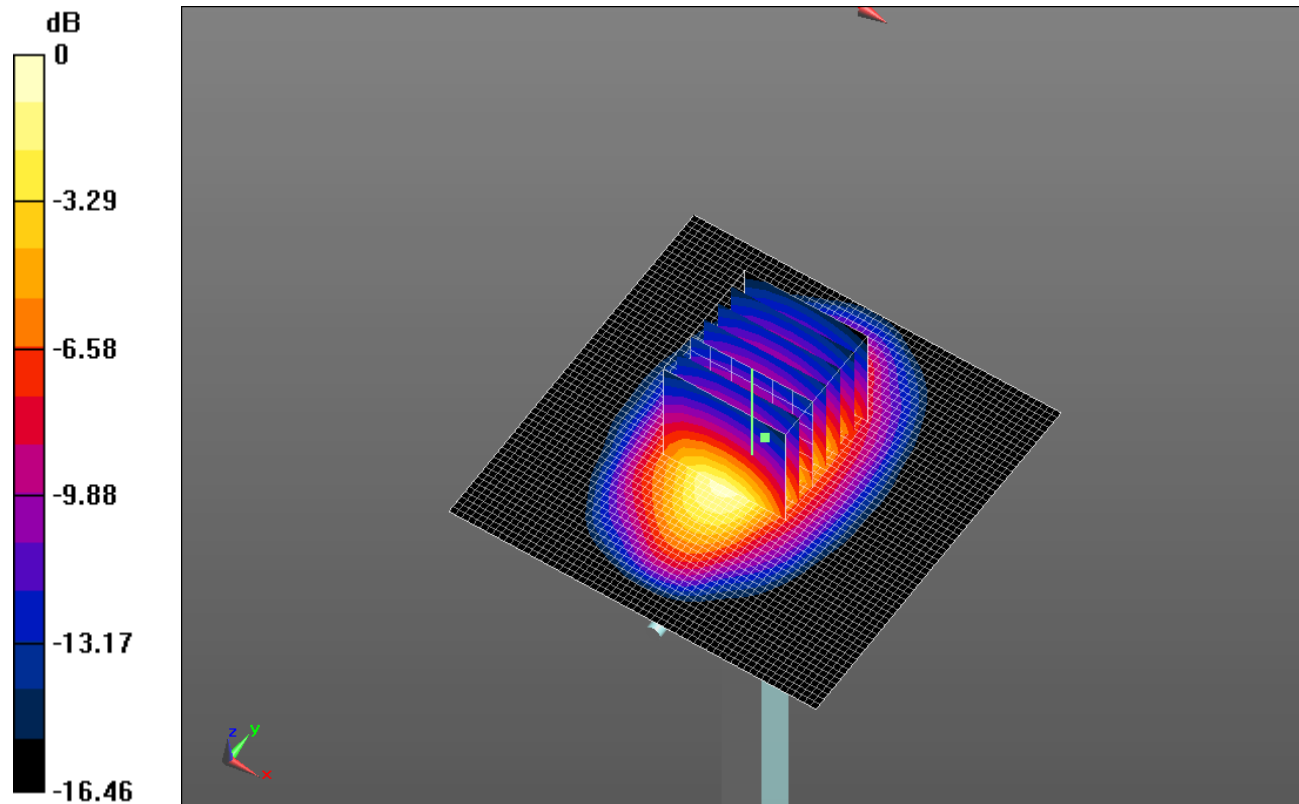
**Body/Pin=100 mW/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 57.982 V/m; Power Drift = -0.02 dB

Peak SAR (extrapolated) = 6.62 W/kg

**SAR(1 g) = 3.75 W/kg; SAR(10 g) = 2.02 W/kg**

Maximum value of SAR (measured) = 4.97 W/kg

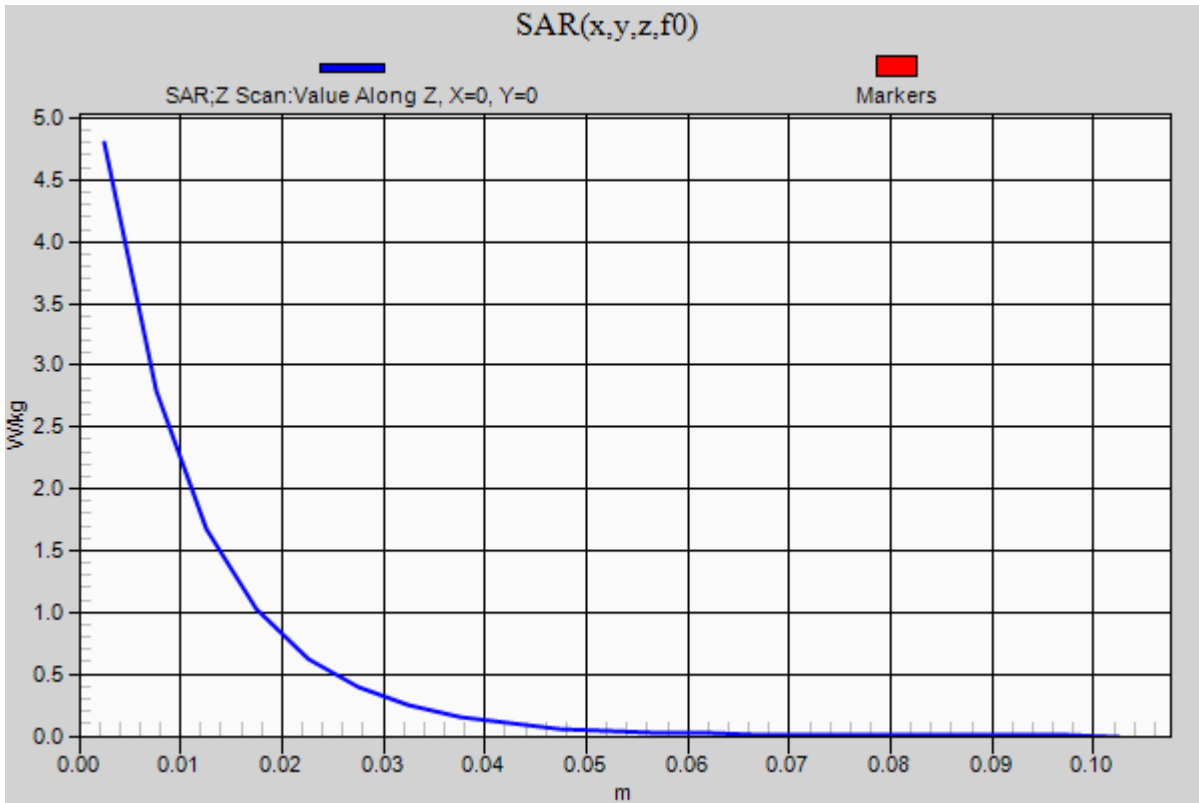


0 dB = 4.97 W/kg = 6.96 dBW/kg

### 20130906\_SystemPerformanceCheck-D1750V2 SN 1050

Frequency: 1750 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) = 4.80 W/kg



## 20130909\_SystemPerformanceCheck-D835V2 SN 4d117

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

Medium parameters used:  $f = 835 \text{ MHz}$ ;  $\sigma = 1.011 \text{ S/m}$ ;  $\epsilon_r = 55.059$ ;  $\rho = 1000 \text{ kg/m}^3$

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 Sn1380; Calibrated: 7/15/2013
- Probe: EX3DV4 - SN3936; ConvF(9.3, 9.3, 9.3); Calibrated: 7/22/2013;
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Phantom: ELI A (v5.0); Type: QDOVA002AA; Serial: TP:xxxx

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

Reference Value = 33.126 V/m; Power Drift = 0.02 dB

**Fast SAR: SAR(1 g) = 0.994 W/kg; SAR(10 g) = 0.654 W/kg**

Maximum value of SAR (interpolated) = 1.19 W/kg

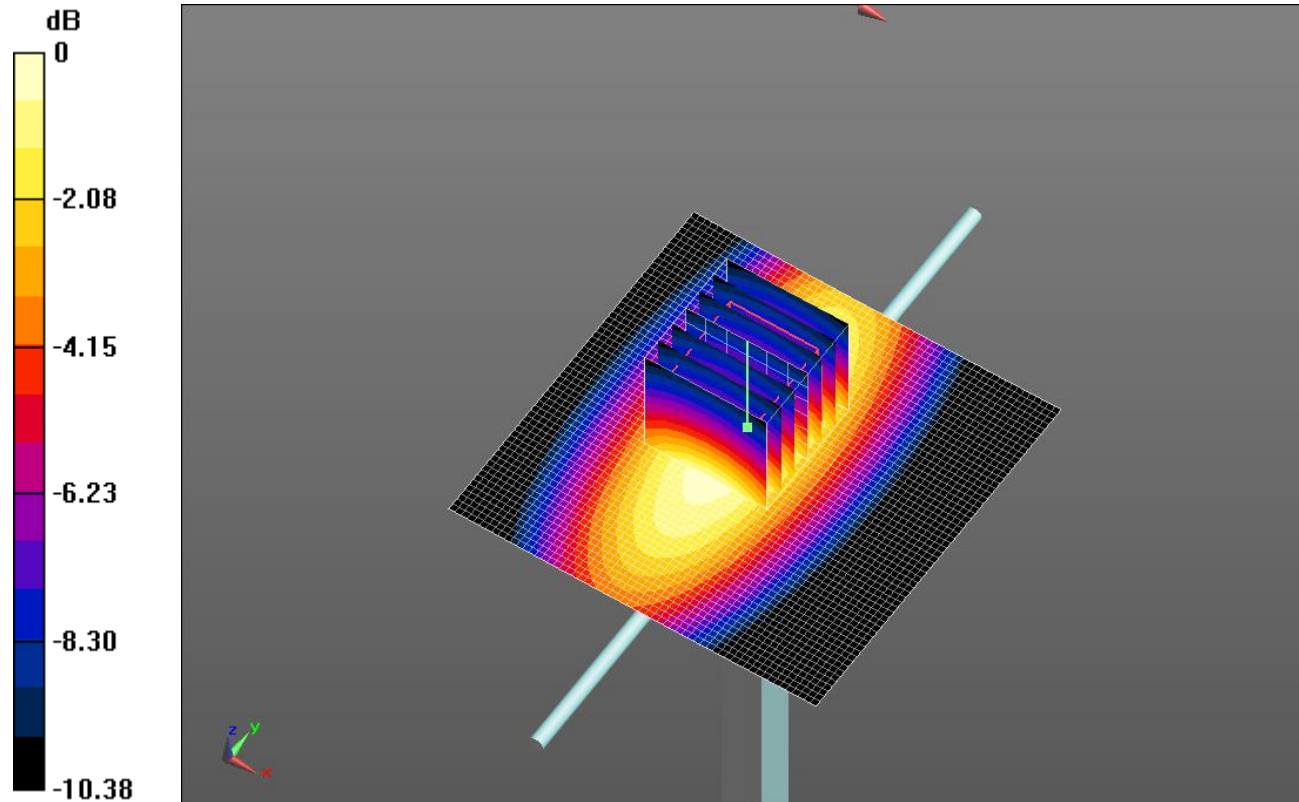
**Body/Pin=100 mW/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 33.126 V/m; Power Drift = 0.02 dB

Peak SAR (extrapolated) = 1.46 W/kg

**SAR(1 g) = 0.986 W/kg; SAR(10 g) = 0.649 W/kg**

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

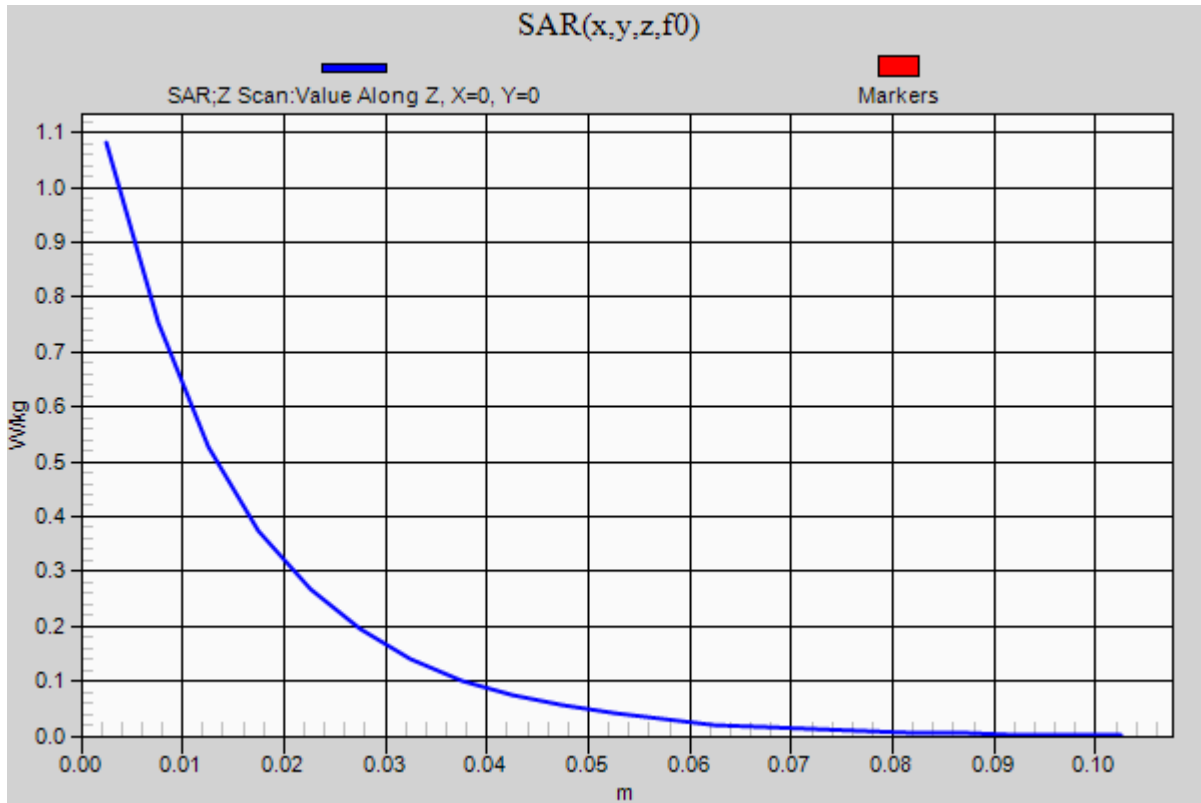


0 dB = 1.20 W/kg = 0.79 dBW/kg

### 20130909\_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) = 1.08 W/kg



## 20130912\_SystemPerformanceCheck-D750V3 SN 1019

Frequency: 750 MHz; Duty Cycle: 1:1; Room Ambient Temperature: 24.0°C; Liquid Temperature: 23.0°C

Medium parameters used:  $f = 750$  MHz;  $\sigma = 0.967$  S/m;  $\epsilon_r = 54.579$ ;  $\rho = 1000$  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: 7/15/2013
- Probe: EX3DV4 - SN3936; ConvF(9.5, 9.5, 9.5); Calibrated: 7/22/2013;
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Phantom: ELI A (v5.0); Type: QDOVA001BB; Serial: S/n:1212

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

Reference Value = 32.938 V/m; Power Drift = 0.02 dB

**Fast SAR: SAR(1 g) = 0.922 W/kg; SAR(10 g) = 0.626 W/kg**

Maximum value of SAR (interpolated) = 1.09 W/kg

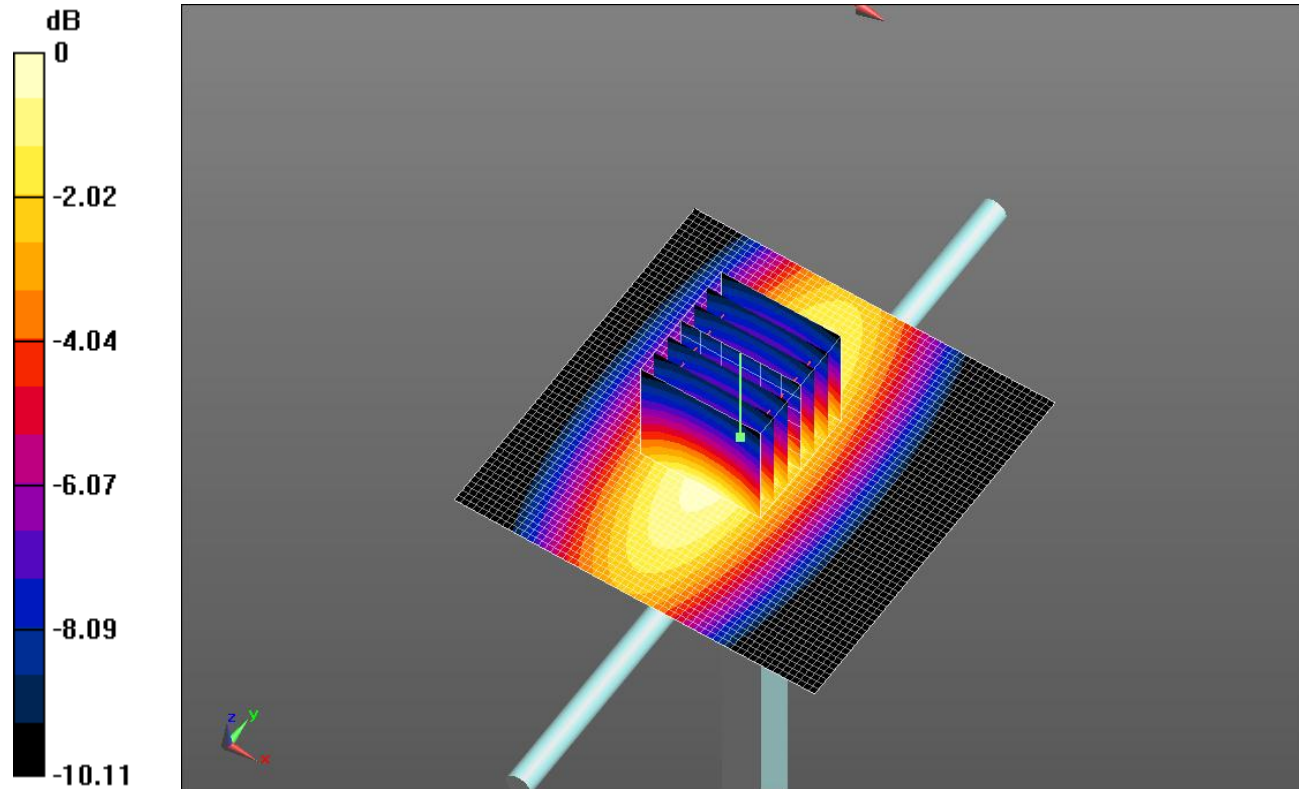
**Body/Pin=100 mW/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 32.938 V/m; Power Drift = 0.02 dB

Peak SAR (extrapolated) = 1.36 W/kg

**SAR(1 g) = 0.906 W/kg; SAR(10 g) = 0.598 W/kg**

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

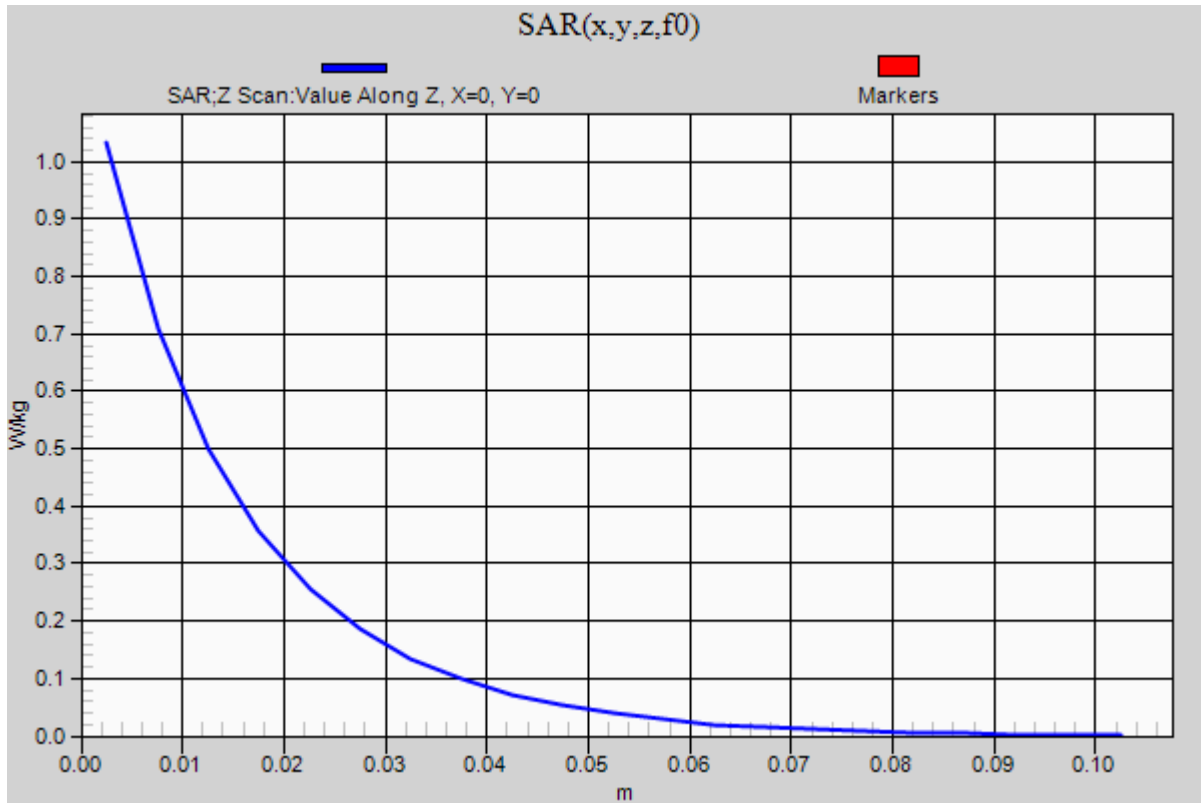


0 dB = 1.10 W/kg = 0.41 dBW/kg

### 20130912\_SystemPerformanceCheck-D750V3 SN 1019

Frequency: 750 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) = 1.03 W/kg





## GSM 850

Frequency: 824.4 MHz; Duty Cycle: 1:4.00037; Room Ambient Temperature: 24.0°C; Liquid Temperature: 23.0°C  
 Medium parameters used:  $f = 825 \text{ MHz}$ ;  $\sigma = 1 \text{ S/m}$ ;  $\epsilon_r = 55.148$ ;  $\rho = 1000 \text{ kg/m}^3$

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 Sn1380; Calibrated: 7/15/2013
- Probe: EX3DV4 - SN3936; ConvF(9.3, 9.3, 9.3); Calibrated: 7/22/2013;
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Phantom: ELI A (v5.0); Type: QDOVA002AA; Serial: TP:xxxx

### Rear Edge 2 Slant\_6 mm/GSM\_GPRS 2 Slot\_Ch 128/Area Scan (8x8x1): Measurement grid:

$dx=15\text{mm}$ ,  $dy=15\text{mm}$

Maximum value of SAR (measured) = 1.31 W/kg

### Rear Edge 2 Slant\_6 mm/GSM\_GPRS 2 Slot\_Ch 128/Zoom Scan (5x5x7)/Cube 0:

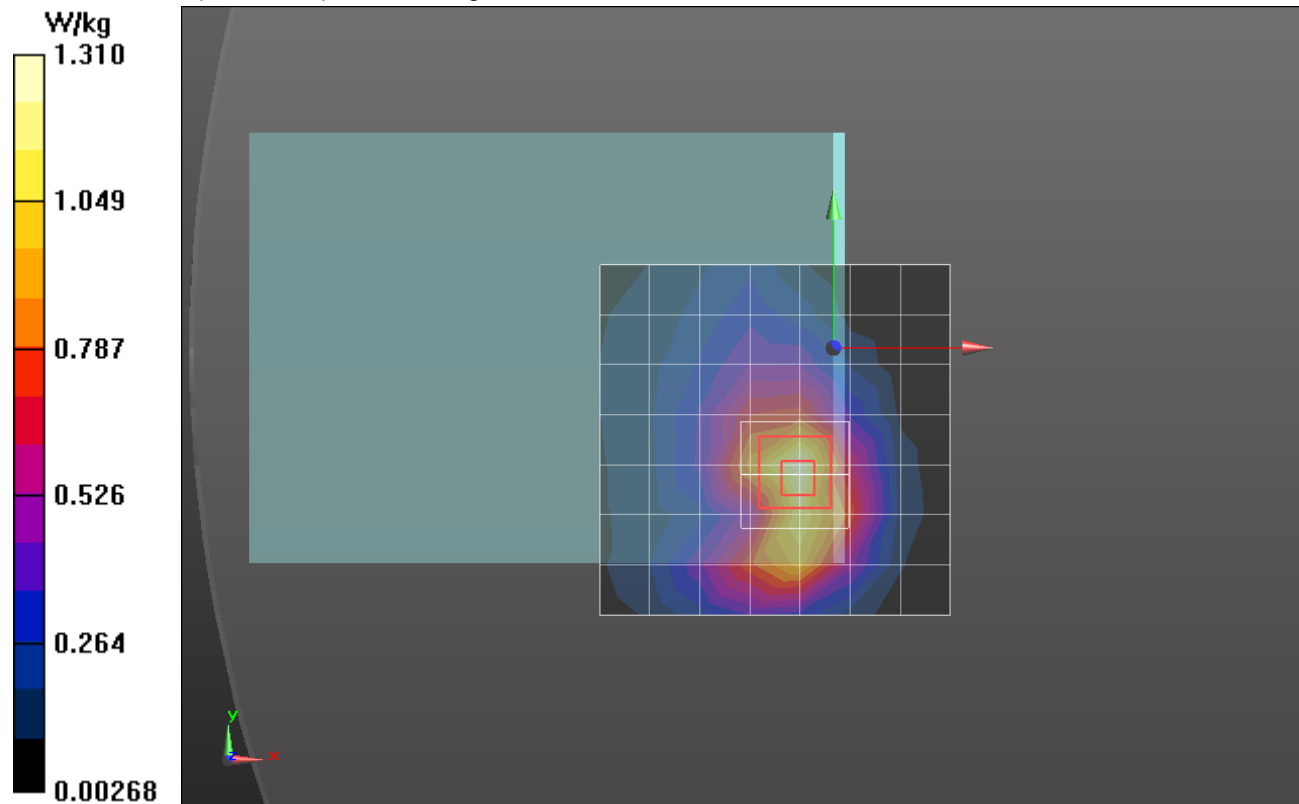
Measurement grid:  $dx=8\text{mm}$ ,  $dy=8\text{mm}$ ,  $dz=5\text{mm}$

Reference Value = 36.711 V/m; Power Drift = 0.02 dB

Peak SAR (extrapolated) = 1.78 W/kg

**SAR(1 g) = 1.09 W/kg; SAR(10 g) = 0.664 W/kg**

Maximum value of SAR (measured) = 1.39 W/kg



## GSM 1900

Frequency: 1909.8 MHz; Duty Cycle: 1:4.00037; Room Ambient Temperature: 24.0°C; Liquid Temperature: 23.0°C  
 Medium parameters used:  $f = 1910 \text{ MHz}$ ;  $\sigma = 1.508 \text{ S/m}$ ;  $\epsilon_r = 52.498$ ;  $\rho = 1000 \text{ kg/m}^3$

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 Sn1377; Calibrated: 7/15/2013
- Probe: EX3DV4 - SN3902; ConvF(7.61, 7.61, 7.61); Calibrated: 7/12/2013;
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Phantom: ELI v5.0; Type: QDOVA002AA; Serial: TP:xxxx

**Rear Edge 1 Slant/GSM\_GPRS 2 Slot\_ch810/Area Scan (7x7x1):** Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 1.09 W/kg

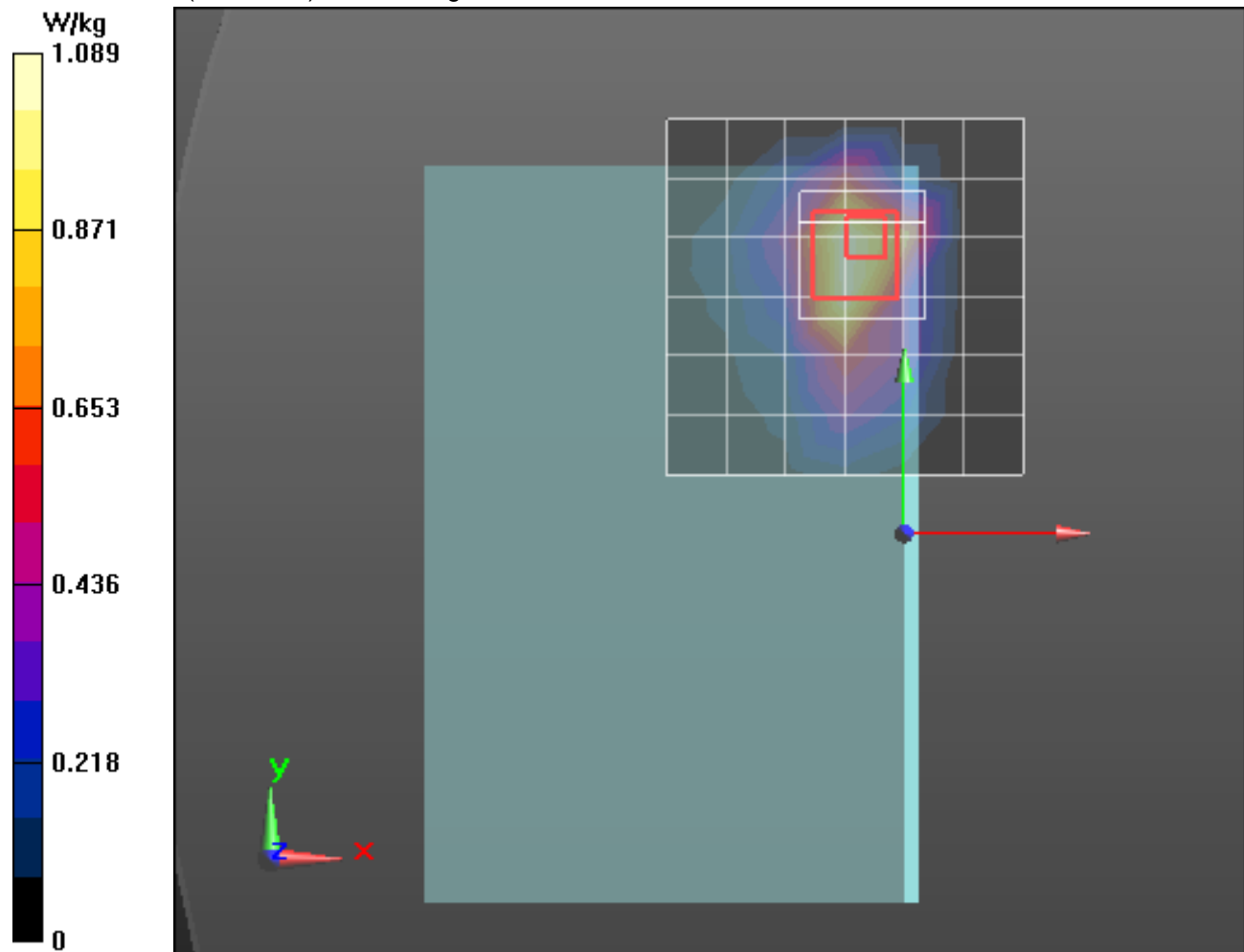
**Rear Edge 1 Slant/GSM\_GPRS 2 Slot\_ch810/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 27.176 V/m; Power Drift = -0.04 dB

Peak SAR (extrapolated) = 1.98 W/kg

**SAR(1 g) = 1.05 W/kg; SAR(10 g) = 0.540 W/kg**

Maximum value of SAR (measured) = 1.45 W/kg



## W-CDMA V

Frequency: 826.4 MHz; Duty Cycle: 1:1; Room Ambient Temperature: 24.0°C; Liquid Temperature: 23.0°C  
 Medium parameters used (interpolated):  $f = 826.4 \text{ MHz}$ ;  $\sigma = 1.002 \text{ S/m}$ ;  $\epsilon_r = 55.141$ ;  $\rho = 1000 \text{ kg/m}^3$

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 Sn1380; Calibrated: 7/15/2013
- Probe: EX3DV4 - SN3936; ConvF(9.3, 9.3, 9.3); Calibrated: 7/22/2013;
- Sensor-Surface: 2.5mm (Mechanical Surface Detection (Locations From Previous Scan Used)), Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Phantom: ELI A (v5.0); Type: QDOVA002AA; Serial: TP:xxxx

**Rear Edge 2 Slant\_ /Rel 99\_RMC\_Ch 4132-3dB/Area Scan (6x7x1):** Measurement grid: dx=15mm, dy=15mm

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

Maximum value of SAR (measured) = 1.21 W/kg

**Rear Edge 2 Slant\_ /Rel 99\_RMC\_Ch 4132-3dB/Zoom Scan (5x5x7)/Cube 0:** Measurement grid:

dx=8mm, dy=8mm, dz=5mm

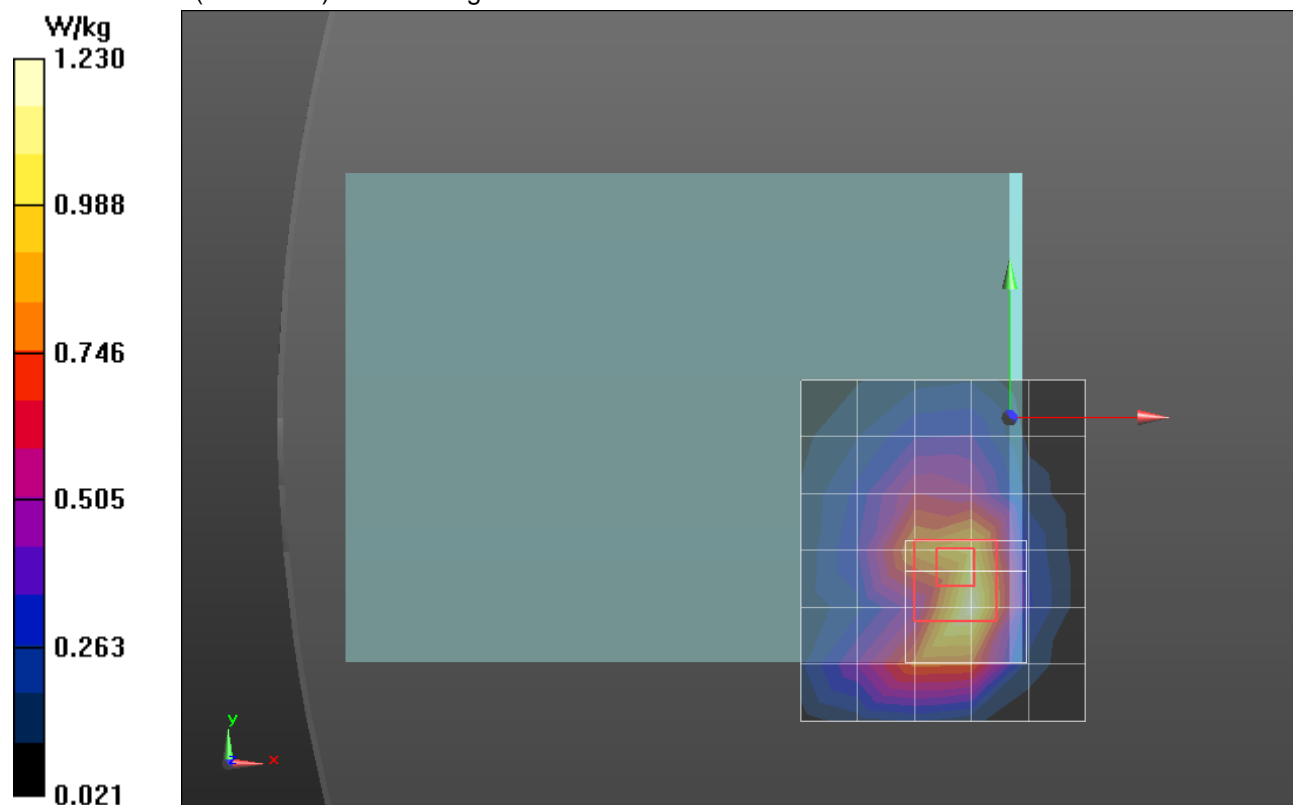
Reference Value = 34.432 V/m; Power Drift = -0.12 dB

Peak SAR (extrapolated) = 1.79 W/kg

**SAR(1 g) = 0.914 W/kg; SAR(10 g) = 0.499 W/kg**

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

Maximum value of SAR (measured) = 1.23 W/kg



## W-CDMA II

Frequency: 1907.6 MHz; Duty Cycle: 1:1; Room Ambient Temperature: 24.0°C; Liquid Temperature: 23.0°C  
 Medium parameters used (interpolated):  $f = 1907.6 \text{ MHz}$ ;  $\sigma = 1.537 \text{ S/m}$ ;  $\epsilon_r = 52.055$ ;  $\rho = 1000 \text{ kg/m}^3$

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 Sn1377; Calibrated: 7/15/2013
- Probe: EX3DV4 - SN3902; ConvF(7.61, 7.61, 7.61); Calibrated: 7/12/2013;
- Sensor-Surface: 2.5mm (Mechanical Surface Detection (Locations From Previous Scan Used)), Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Phantom: ELI v5.0; Type: QDOVA002AA; Serial: TP:xxxx

**Rear Edge 2 Slant (Verizon)/Rel. 99\_RMC\_Ch 9538\_6 mm/Area Scan (7x7x1):** Measurement grid: dx=15mm, dy=15mm

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

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

**Rear Edge 2 Slant (Verizon)/Rel. 99\_RMC\_Ch 9538\_6 mm/Zoom Scan (5x5x7)/Cube 0:**

Measurement grid: dx=8mm, dy=8mm, dz=5mm

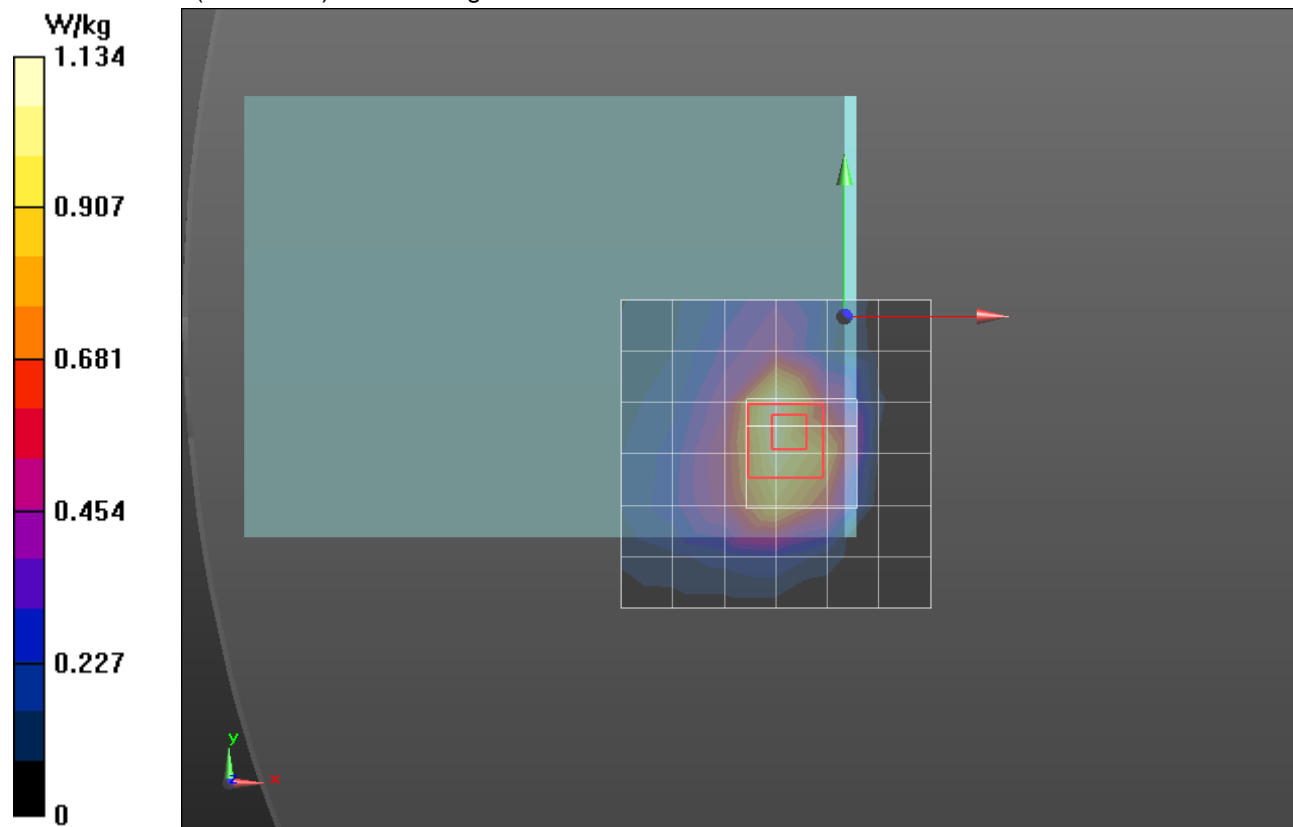
Reference Value = 27.570 V/m; Power Drift = -0.03 dB

Peak SAR (extrapolated) = 1.71 W/kg

**SAR(1 g) = 1.02 W/kg; SAR(10 g) = 0.580 W/kg**

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

Maximum value of SAR (measured) = 1.27 W/kg



## LTE Band 4

Frequency: 1745 MHz; Duty Cycle: 1:1; Room Ambient Temperature: 24.0°C; Liquid Temperature: 23.0°C  
 Medium parameters used:  $f = 1745 \text{ MHz}$ ;  $\sigma = 1.517 \text{ S/m}$ ;  $\epsilon_r = 52.211$ ;  $\rho = 1000 \text{ kg/m}^3$

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 Sn1377; Calibrated: 7/15/2013
- Probe: EX3DV4 - SN3902; ConvF(7.9, 7.9, 7.9); Calibrated: 7/12/2013;
- Sensor-Surface: 2.5mm (Mechanical Surface Detection (Locations From Previous Scan Used)), Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Phantom: ELI v5.0; Type: QDOVA002AA; Serial: TP:xxxx

**Edge 1/QPSK\_RB 1/49\_ch 20300/Area Scan (7x7x1):** Measurement grid: dx=15mm, dy=15mm  
 Maximum value of SAR (measured) = 1.21 W/kg

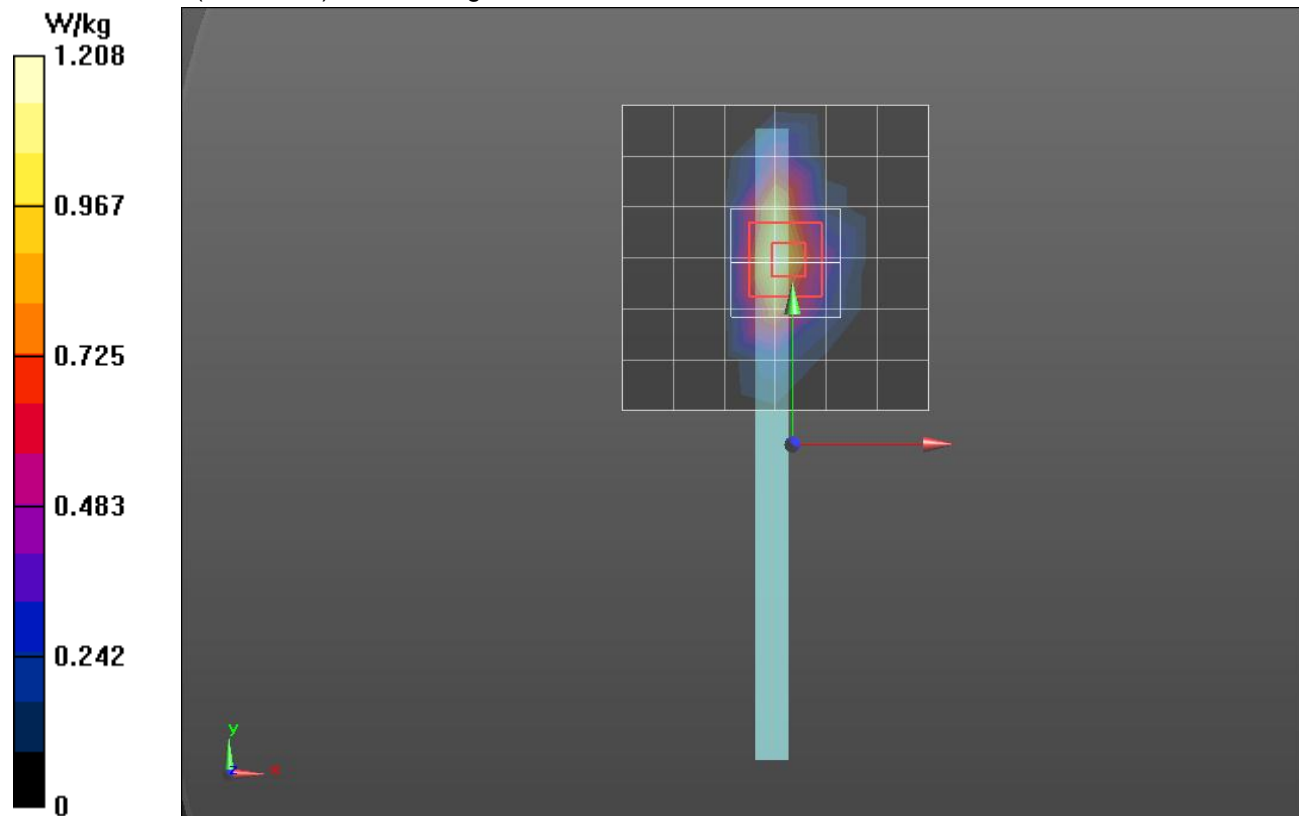
**Edge 1/QPSK\_RB 1/49\_ch 20300/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 28.303 V/m; Power Drift = 0.04 dB

Peak SAR (extrapolated) = 1.96 W/kg

**SAR(1 g) = 1.02 W/kg; SAR(10 g) = 0.497 W/kg**

Maximum value of SAR (measured) = 1.42 W/kg



## LTE Band 13

Frequency: 782 MHz; Duty Cycle: 1:1; Room Ambient Temperature: 24.0°C; Liquid Temperature: 23.0°C  
 Medium parameters used (interpolated):  $f = 782 \text{ MHz}$ ;  $\sigma = 0.996 \text{ S/m}$ ;  $\epsilon_r = 54.267$ ;  $\rho = 1000 \text{ kg/m}^3$

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 Sn1377; Calibrated: 7/15/2013
- Probe: EX3DV4 - SN3902; ConvF(10.15, 10.15, 10.15); Calibrated: 7/12/2013;
- Sensor-Surface: 2.5mm (Mechanical Surface Detection (Locations From Previous Scan Used)), Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Phantom: ELI v5.0; Type: QDOVA002AA; Serial: TP:xxxx

### Rear Edge 2 Slant/QPSK\_RB 50/0 \_Ch 23790 -3 dBm/Area Scan (7x6x1): Measurement grid:

$dx=15\text{mm}$ ,  $dy=15\text{mm}$

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

Maximum value of SAR (measured) = 1.33 W/kg

### Rear Edge 2 Slant/QPSK\_RB 50/0 \_Ch 23230 -3 dBm/Zoom Scan (5x5x7)/Cube 0:

Measurement grid:  $dx=8\text{mm}$ ,  $dy=8\text{mm}$ ,  $dz=5\text{mm}$

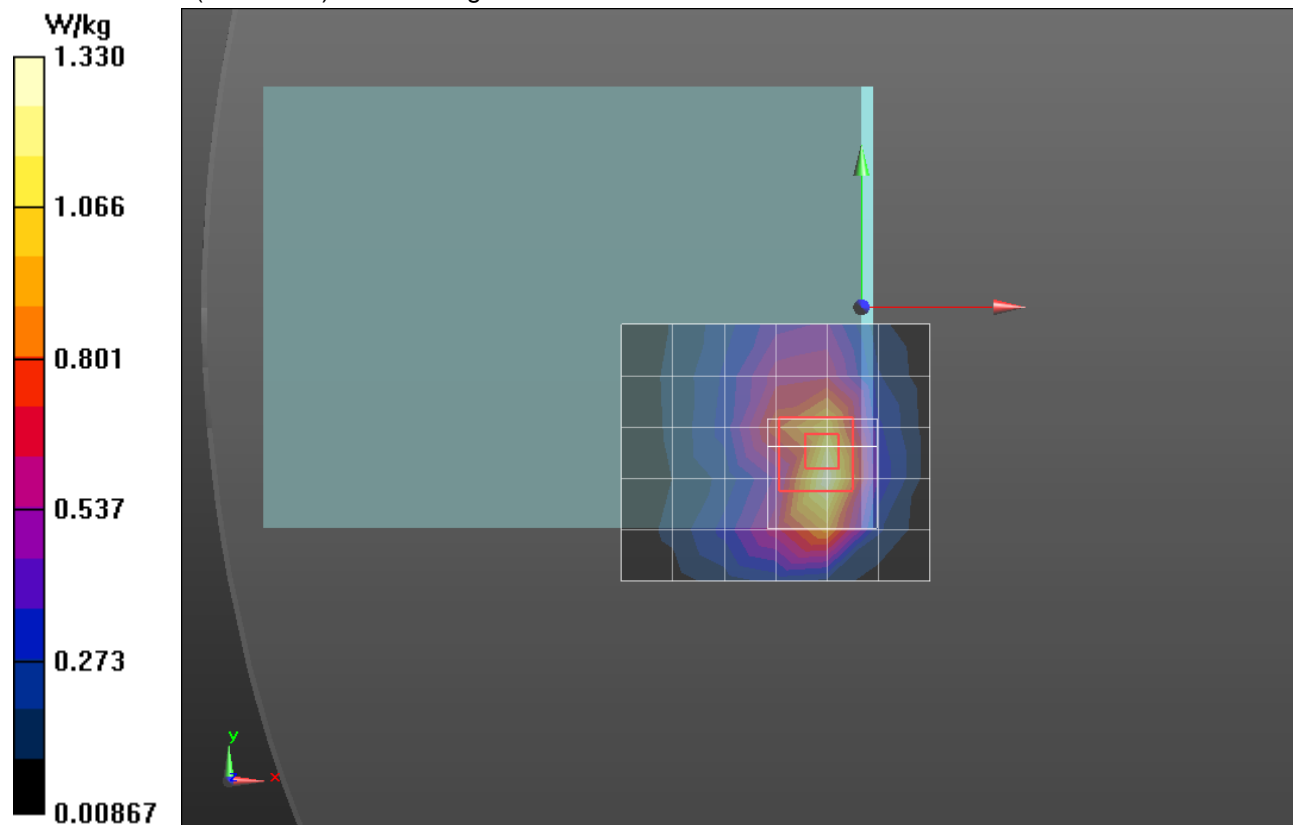
Reference Value = 34.709 V/m; Power Drift = 0.00 dB

Peak SAR (extrapolated) = 1.86 W/kg

**SAR(1 g) = 0.935 W/kg; SAR(10 g) = 0.504 W/kg**

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

Maximum value of SAR (measured) = 1.26 W/kg



## 2.4GHz

Frequency: 2462 MHz; Duty Cycle: 1:1; Room Ambient Temperature: 24.0°C; Liquid Temperature: 23.0°C  
 Medium parameters used (interpolated):  $f = 2462 \text{ MHz}$ ;  $\sigma = 2.018 \text{ S/m}$ ;  $\epsilon_r = 51.363$ ;  $\rho = 1000 \text{ kg/m}^3$

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 Sn1377; Calibrated: 7/15/2013
- Probe: EX3DV4 - SN3902; ConvF(7.2, 7.2, 7.2); Calibrated: 7/12/2013;
- Sensor-Surface: 2.5mm (Mechanical Surface Detection (Locations From Previous Scan Used)), Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Phantom: ELI v5.0; Type: QDOVA002AA; Serial: TP:xxxx

**Rear Edge 1 slant/802.11b\_WiFi 1\_ch 11/Area Scan (11x11x1):** Measurement grid: dx=12mm, dy=12mm

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

Maximum value of SAR (measured) = 1.29 W/kg

**Rear Edge 1 slant/802.11b\_WiFi 1\_ch 11/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

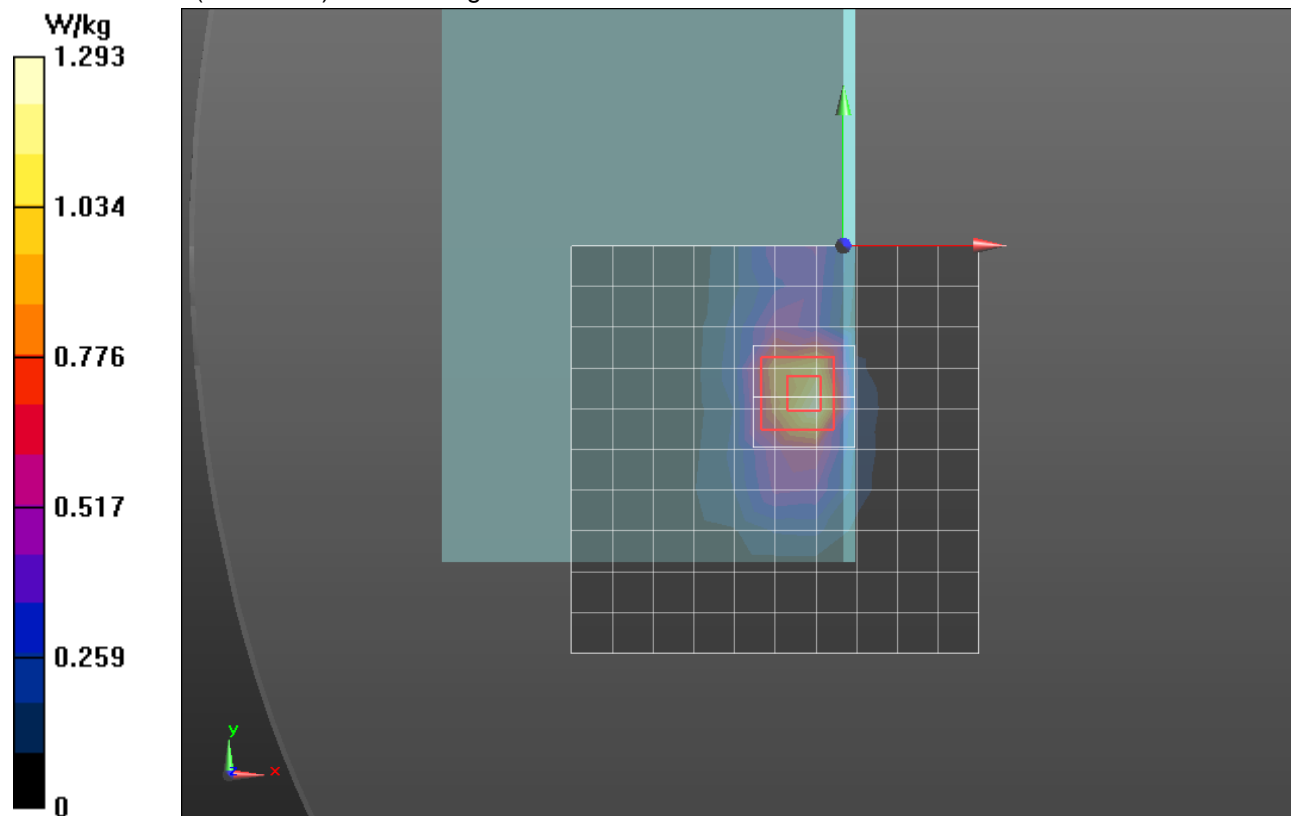
Reference Value = 26.755 V/m; Power Drift = -0.02 dB

Peak SAR (extrapolated) = 2.62 W/kg

**SAR(1 g) = 1.17 W/kg; SAR(10 g) = 0.511 W/kg**

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

Maximum value of SAR (measured) = 1.72 W/kg



## WiFi 5 GHz

Frequency: 5805 MHz; Duty Cycle: 1:1; Room Ambient Temperature: 24.0°C; Liquid Temperature: 23.0°C  
 Medium parameters used:  $f = 5805 \text{ MHz}$ ;  $\sigma = 6.188 \text{ S/m}$ ;  $\epsilon_r = 47.443$ ;  $\rho = 1000 \text{ kg/m}^3$

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: 2/8/2013
- Probe: EX3DV4 - SN3773; ConvF(4.05, 4.05, 4.05); Calibrated: 4/26/2013;
- Sensor-Surface: 2mm (Mechanical Surface Detection (Locations From Previous Scan Used)), Sensor-Surface: 2mm (Mechanical Surface Detection)
- Phantom: ELI v5.0; Type: QDOVA002AA; Serial: TP:1198

**Rear\_Edge 3 Slant/802.11a\_WiFi 2\_Ch 161/Area Scan (7x8x1):** Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (measured) = 1.41 W/kg

**Rear\_Edge 3 Slant/802.11a\_WiFi 2\_Ch 161/Zoom Scan (7x7x12)/Cube 0:** Measurement grid:

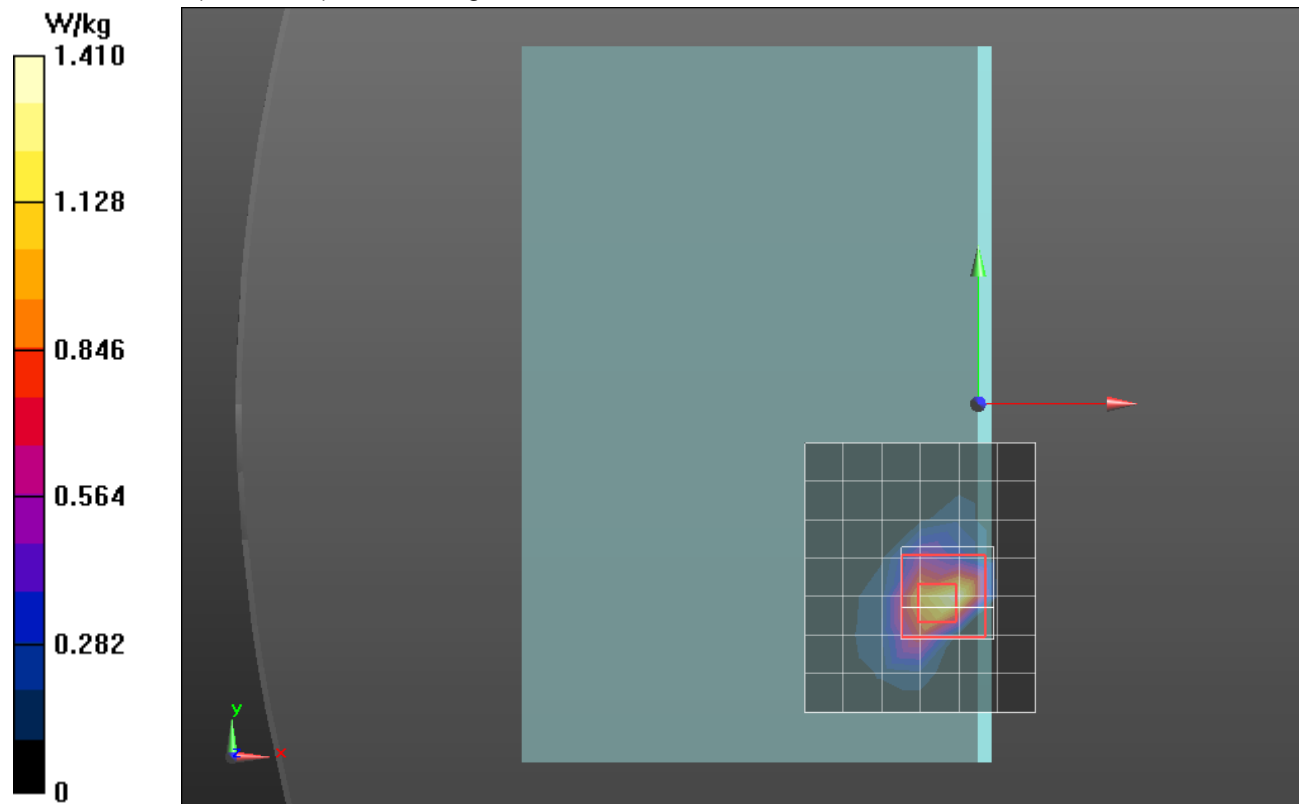
dx=4mm, dy=4mm, dz=2mm

Reference Value = 16.110 V/m; Power Drift = -0.04 dB

Peak SAR (extrapolated) = 7.51 W/kg

**SAR(1 g) = 1.18 W/kg; SAR(10 g) = 0.273 W/kg**

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





## WiFi 5 GHz

Frequency: 5180 MHz; Duty Cycle: 1:1; Room Ambient Temperature: 24.0°C; Liquid Temperature: 23.0°C  
 Medium parameters used:  $f = 5180 \text{ MHz}$ ;  $\sigma = 5.332 \text{ S/m}$ ;  $\epsilon_r = 48.636$ ;  $\rho = 1000 \text{ kg/m}^3$

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: 2/8/2013
- Probe: EX3DV4 - SN3773; ConvF(4.39, 4.39, 4.39); Calibrated: 4/26/2013;
- Sensor-Surface: 2mm (Mechanical Surface Detection (Locations From Previous Scan Used)), Sensor-Surface: 2mm (Mechanical Surface Detection)
- Phantom: ELI v5.0; Type: QDOVA002AA; Serial: TP:1198

### Repeated\_Rear\_Edge 3 Slant/802.11a\_WiFi 2\_Ch 36/Area Scan (7x8x1): Measurement grid:

dx=10mm, dy=10mm

Maximum value of SAR (measured) = 2.20 W/kg

### Repeated\_Rear\_Edge 3 Slant/802.11a\_WiFi 2\_Ch 36/Zoom Scan (7x7x12)/Cube 0:

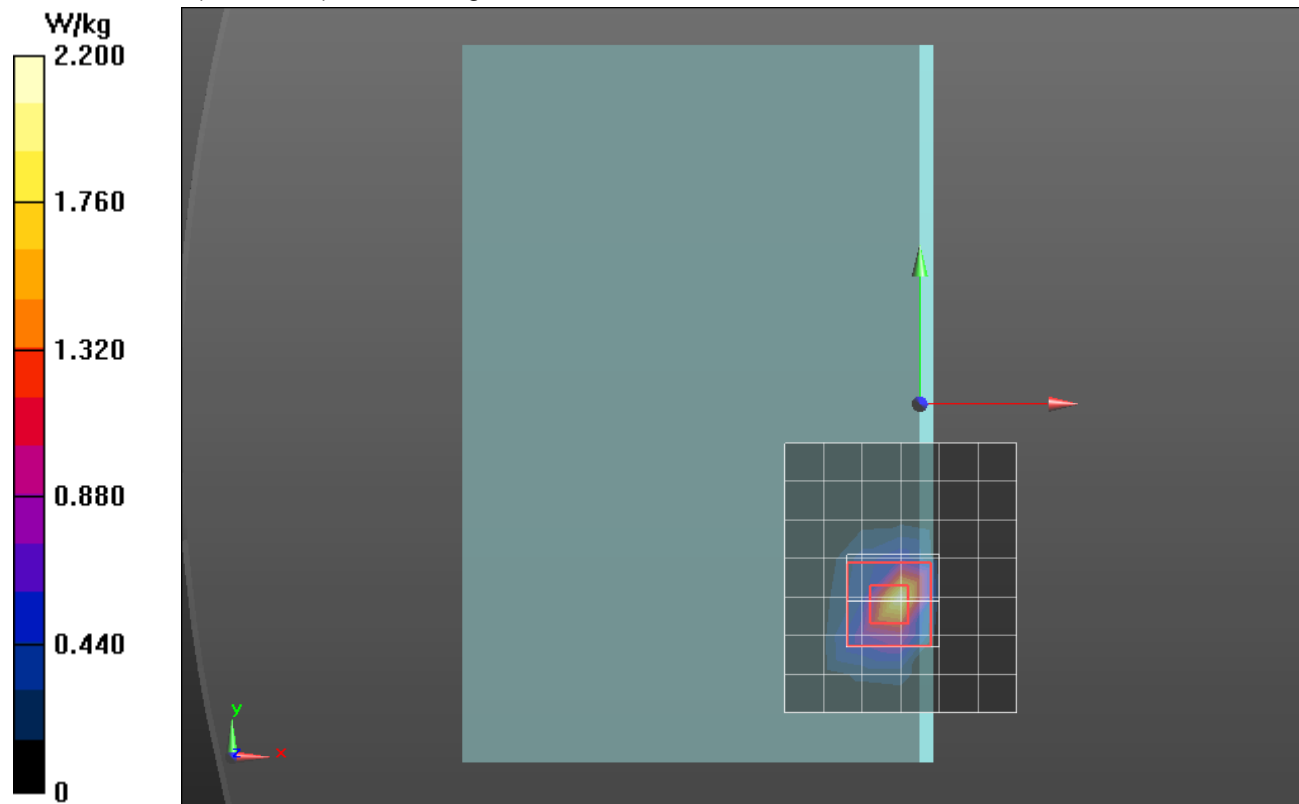
Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 18.070 V/m; Power Drift = 0.08 dB

Peak SAR (extrapolated) = 5.71 W/kg

**SAR(1 g) = 1.07 W/kg; SAR(10 g) = 0.253 W/kg**

Maximum value of SAR (measured) = 2.40 W/kg



## WiFi 5 GHz

Frequency: 5320 MHz; Duty Cycle: 1:1; Room Ambient Temperature: 24.0°C; Liquid Temperature: 23.0°C

Medium parameters used:  $f = 5320 \text{ MHz}$ ;  $\sigma = 5.441 \text{ S/m}$ ;  $\epsilon_r = 47.748$ ;  $\rho = 1000 \text{ kg/m}^3$

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: 2/8/2013
- Probe: EX3DV4 - SN3773; ConvF(4.13, 4.13, 4.13); Calibrated: 4/26/2013;
- Sensor-Surface: 2mm (Mechanical Surface Detection (Locations From Previous Scan Used)), Sensor-Surface: 2mm (Mechanical Surface Detection)
- Phantom: ELI v5.0; Type: QDOVA002AA; Serial: TP:1198

**Rear\_Edge 3 Slant/802.11a\_WiFi 2\_Ch 64/Area Scan (10x12x1):** Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (measured) = 1.90 W/kg

**Rear\_Edge 3 Slant/802.11a\_WiFi 2\_Ch 64/Zoom Scan (7x7x12)/Cube 0:** Measurement grid:

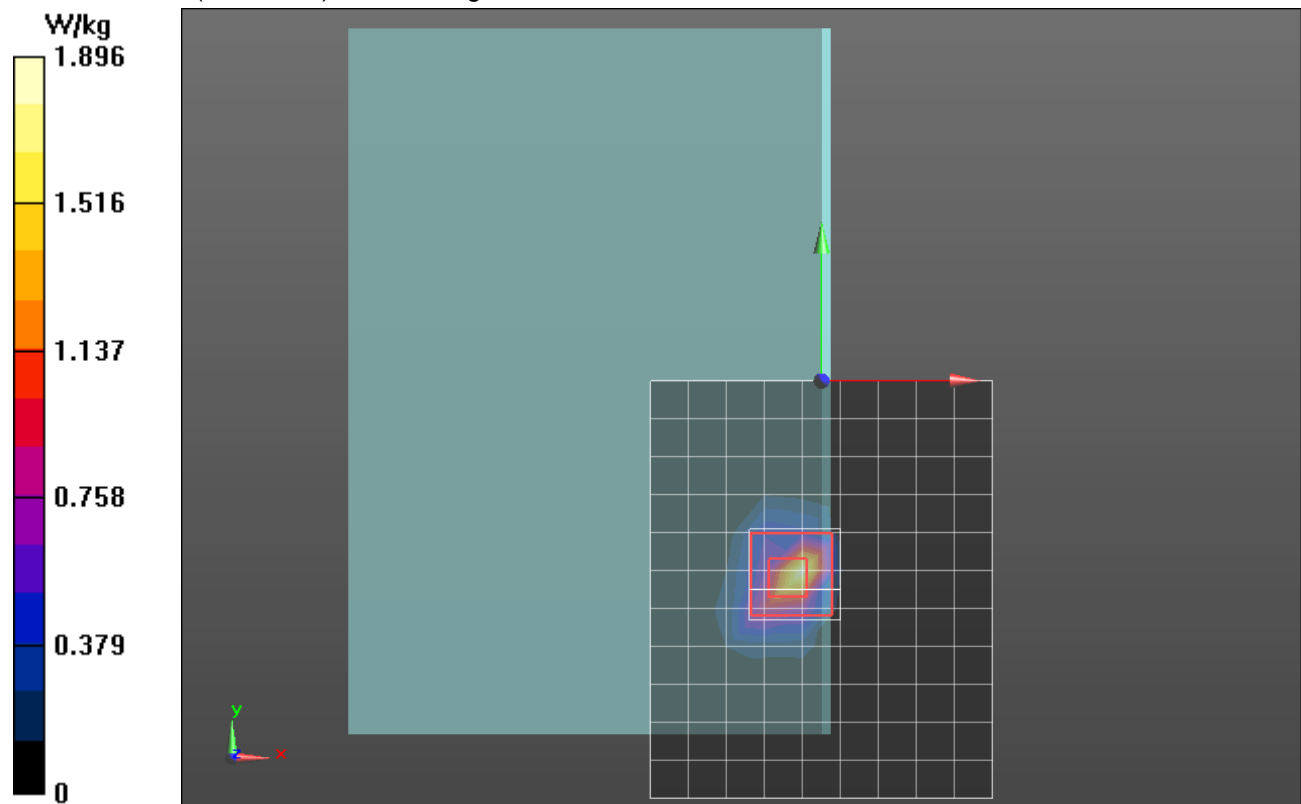
dx=4mm, dy=4mm, dz=2mm

Reference Value = 18.140 V/m; Power Drift = -0.17 dB

Peak SAR (extrapolated) = 6.03 W/kg

**SAR(1 g) = 1.14 W/kg; SAR(10 g) = 0.276 W/kg**

Maximum value of SAR (measured) = 2.49 W/kg



## WiFi 5 GHz

Frequency: 5580 MHz; Duty Cycle: 1:1; Room Ambient Temperature: 24.0°C; Liquid Temperature: 23.0°C  
 Medium parameters used:  $f = 5580 \text{ MHz}$ ;  $\sigma = 5.883 \text{ S/m}$ ;  $\epsilon_r = 47.797$ ;  $\rho = 1000 \text{ kg/m}^3$

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: 2/8/2013
- Probe: EX3DV4 - SN3773; ConvF(3.79, 3.79, 3.79); Calibrated: 4/26/2013;
- Sensor-Surface: 2mm (Mechanical Surface Detection (Locations From Previous Scan Used)), Sensor-Surface: 2mm (Mechanical Surface Detection)
- Phantom: ELI v5.0; Type: QDOVA002AA; Serial: TP:1198

### Repeated\_Rear\_Edge 3 Slant/802.11a\_WiFi 2\_Ch 116/Area Scan (7x8x1): Measurement grid:

$dx=10\text{mm}$ ,  $dy=10\text{mm}$

Maximum value of SAR (measured) = 1.83 W/kg

### Repeated\_Rear\_Edge 3 Slant/802.11a\_WiFi 2\_Ch 116/Zoom Scan (7x7x12)/Cube 0:

Measurement grid:  $dx=4\text{mm}$ ,  $dy=4\text{mm}$ ,  $dz=2\text{mm}$

Reference Value = 15.530 V/m; Power Drift = 0.10 dB

Peak SAR (extrapolated) = 6.83 W/kg

**SAR(1 g) = 1.15 W/kg; SAR(10 g) = 0.270 W/kg**

Maximum value of SAR (measured) = 2.86 W/kg

