

## 20130627\_SystemPerformanceCheck-D750V3 SN 1071

Frequency: 750 MHz; Duty Cycle: 1:1; Room Ambient Temperature: 24.0°C; Liquid Temperature: 23.0°C  
 Medium parameters used:  $f = 750 \text{ MHz}$ ;  $\sigma = 0.97 \text{ S/m}$ ;  $\epsilon_r = 53.664$ ;  $\rho = 1000 \text{ kg/m}^3$

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 Sn1343; Calibrated: 8/20/2012
- Probe: EX3DV4 - SN3749; ConvF(8.78, 8.78, 8.78); 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 (61x61x1):** Interpolated grid:  $dx=1.500 \text{ mm}$ ,  $dy=1.500 \text{ mm}$

Reference Value = 26.778 V/m; Power Drift = 0.18 dB

**Fast SAR: SAR(1 g) = 0.818 W/kg; SAR(10 g) = 0.553 W/kg**

Maximum value of SAR (interpolated) = 0.966 W/kg

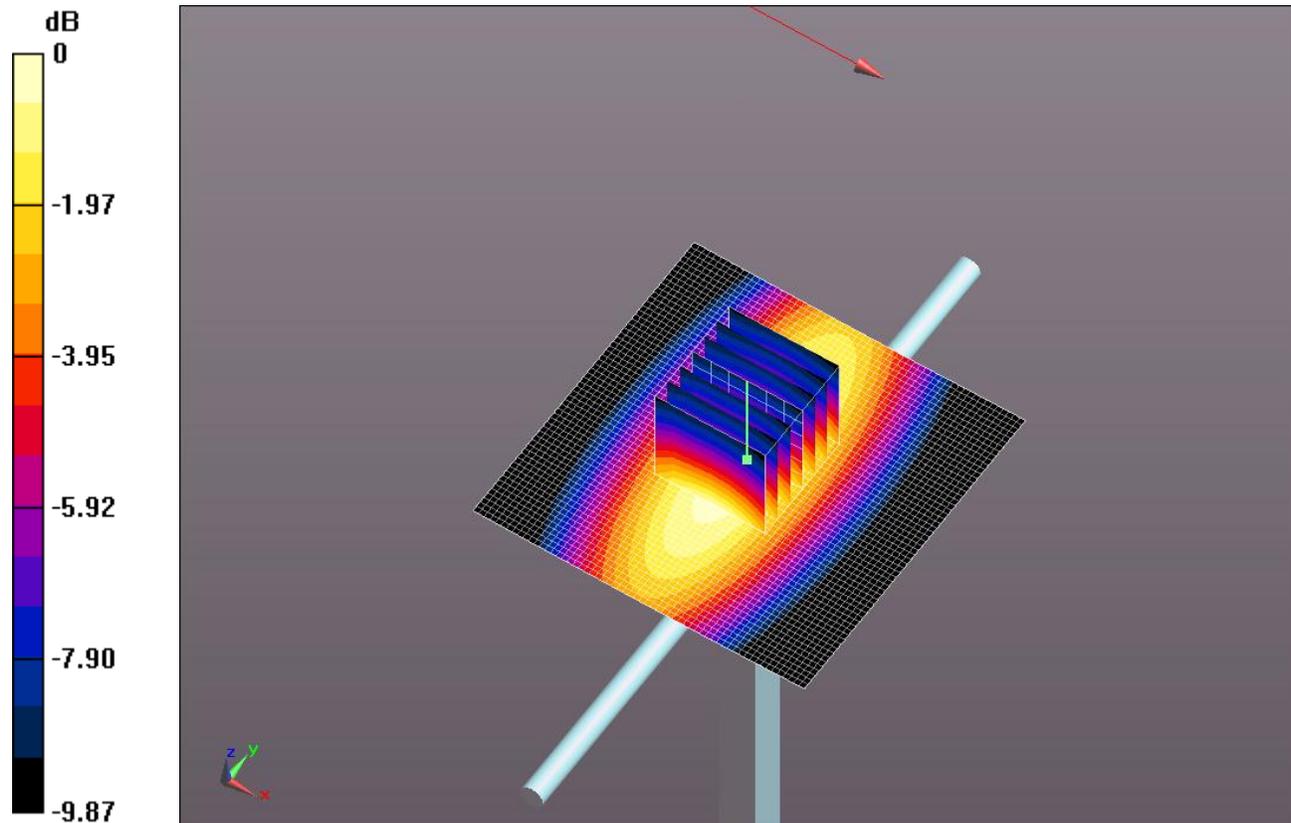
**Body/Pin=100 mW/Zoom Scan (7x7x7)/Cube 0:** Measurement grid:  $dx=5\text{mm}$ ,  $dy=5\text{mm}$ ,  $dz=5\text{mm}$

Reference Value = 26.778 V/m; Power Drift = 0.18 dB

Peak SAR (extrapolated) = 1.18 W/kg

**SAR(1 g) = 0.805 W/kg; SAR(10 g) = 0.537 W/kg**

Maximum value of SAR (measured) = 0.976 W/kg

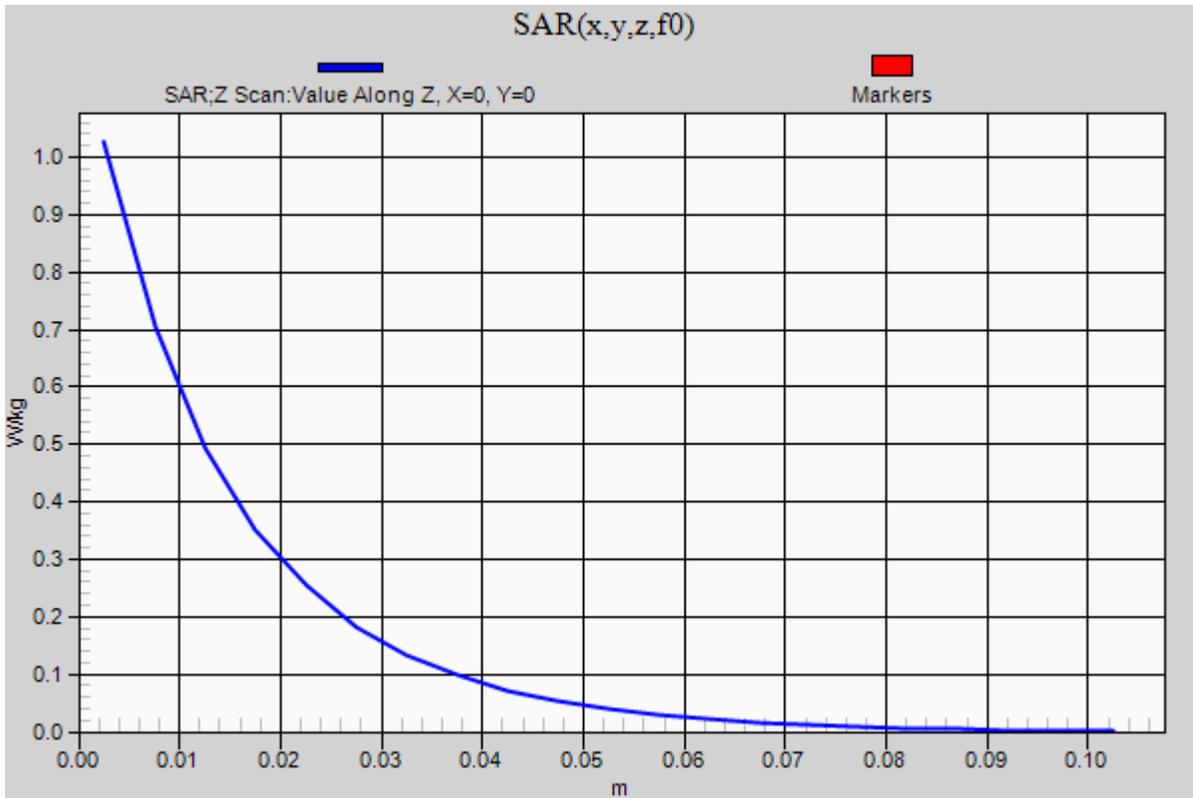


0 dB = 0.976 W/kg = -0.11 dBW/kg

### 20130627\_SystemPerformanceCheck-D750V3 SN 1071

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



## 20130701\_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;  $\sigma = 1.456$  S/m;  $\epsilon_r = 52.649$ ;  $\rho = 1000$  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 - SN3749; ConvF(7.36, 7.36, 7.36); Calibrated: 1/15/2013;
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Phantom: ELI v5.0 (A); Type: QDOVA001BB; Serial: 1119

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

Reference Value = 59.706 V/m; Power Drift = 0.03 dB

**Fast SAR: SAR(1 g) = 3.91 W/kg; SAR(10 g) = 2.04 W/kg**

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

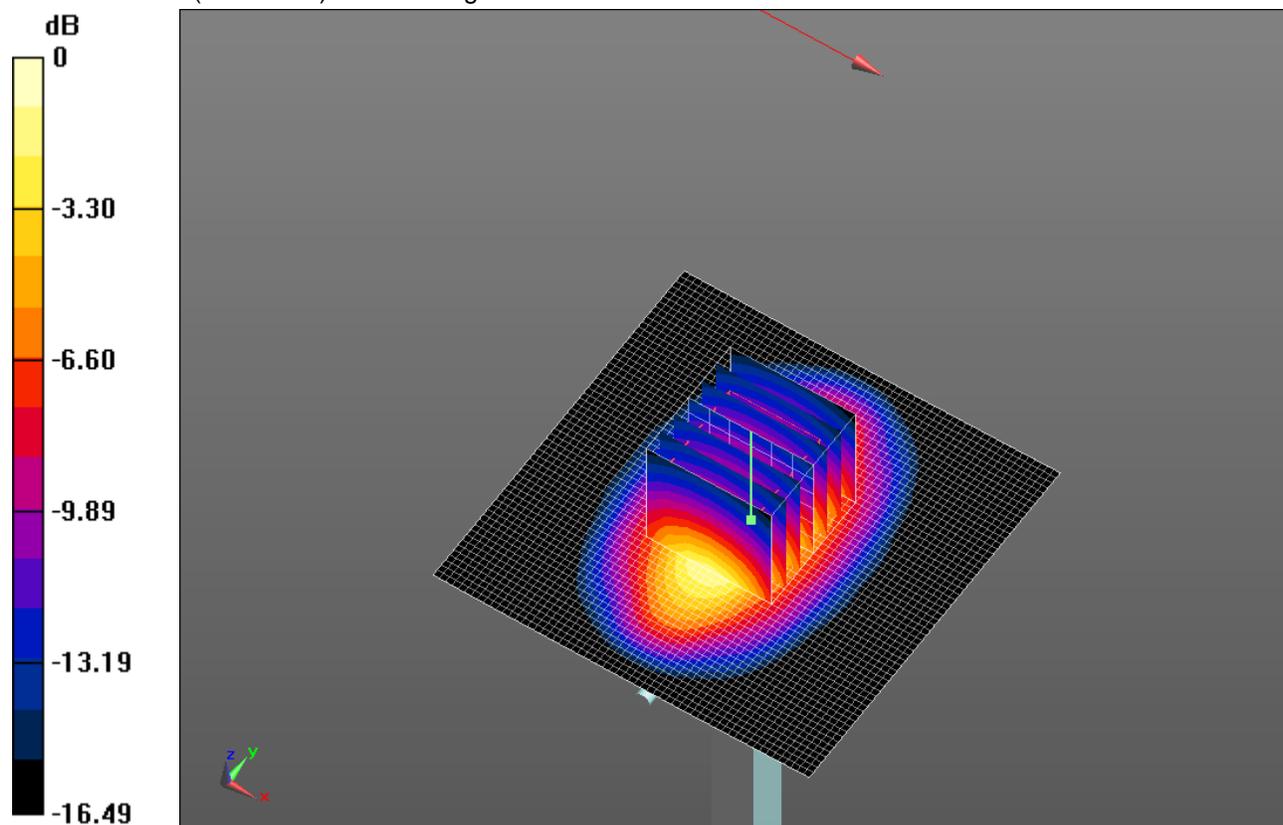
**Body/Pin=100 mW/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 59.706 V/m; Power Drift = 0.03 dB

Peak SAR (extrapolated) = 6.97 W/kg

**SAR(1 g) = 3.88 W/kg; SAR(10 g) = 2.06 W/kg**

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

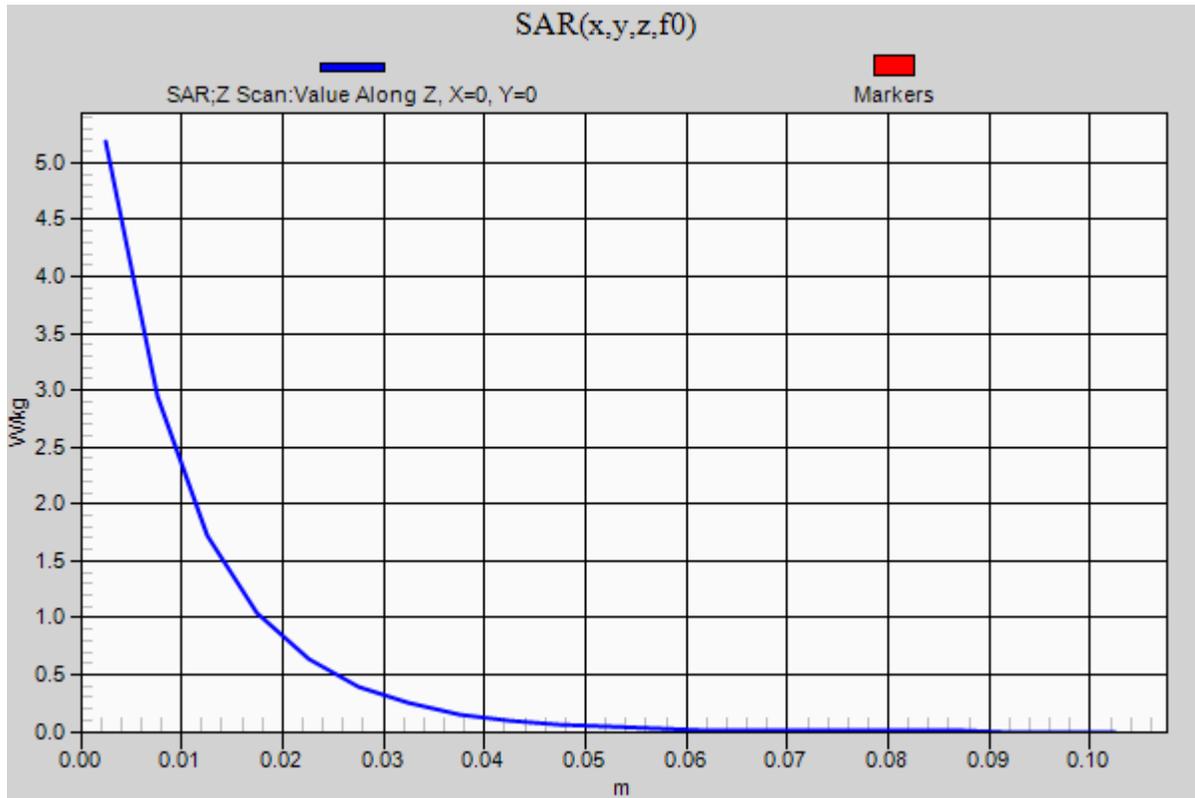


0 dB = 5.20 W/kg = 7.16 dBW/kg

## 20130701\_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) = 5.19 W/kg



## 20130620\_SystemPerformanceCheck-D1900V2 SN 5d163

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

Medium parameters used:  $f = 1900$  MHz;  $\sigma = 1.434$  S/m;  $\epsilon_r = 39.246$ ;  $\rho = 1000$  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: EX3DV4 - SN3751; ConvF(7.18, 7.18, 7.18); Calibrated: 11/15/2012;
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Phantom: SAM; Type: QD000P40CD; Serial: 1629

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

Reference Value = 57.008 V/m; Power Drift = 0.04 dB

**Fast SAR: SAR(1 g) = 4.26 W/kg; SAR(10 g) = 2.24 W/kg**

Maximum value of SAR (interpolated) = 5.72 W/kg

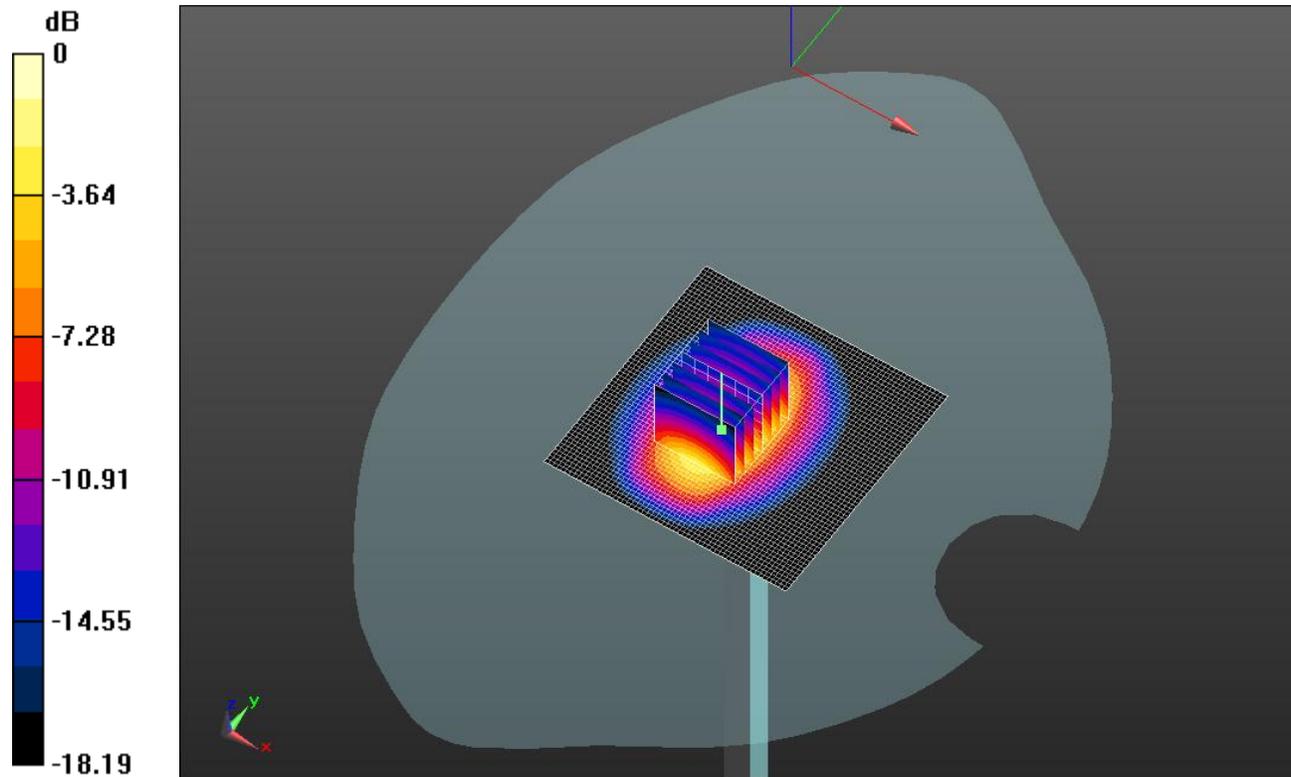
**Head/Pin=100 mW/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 57.008 V/m; Power Drift = 0.04 dB

Peak SAR (extrapolated) = 7.88 W/kg

**SAR(1 g) = 4.17 W/kg; SAR(10 g) = 2.16 W/kg**

Maximum value of SAR (measured) = 5.64 W/kg

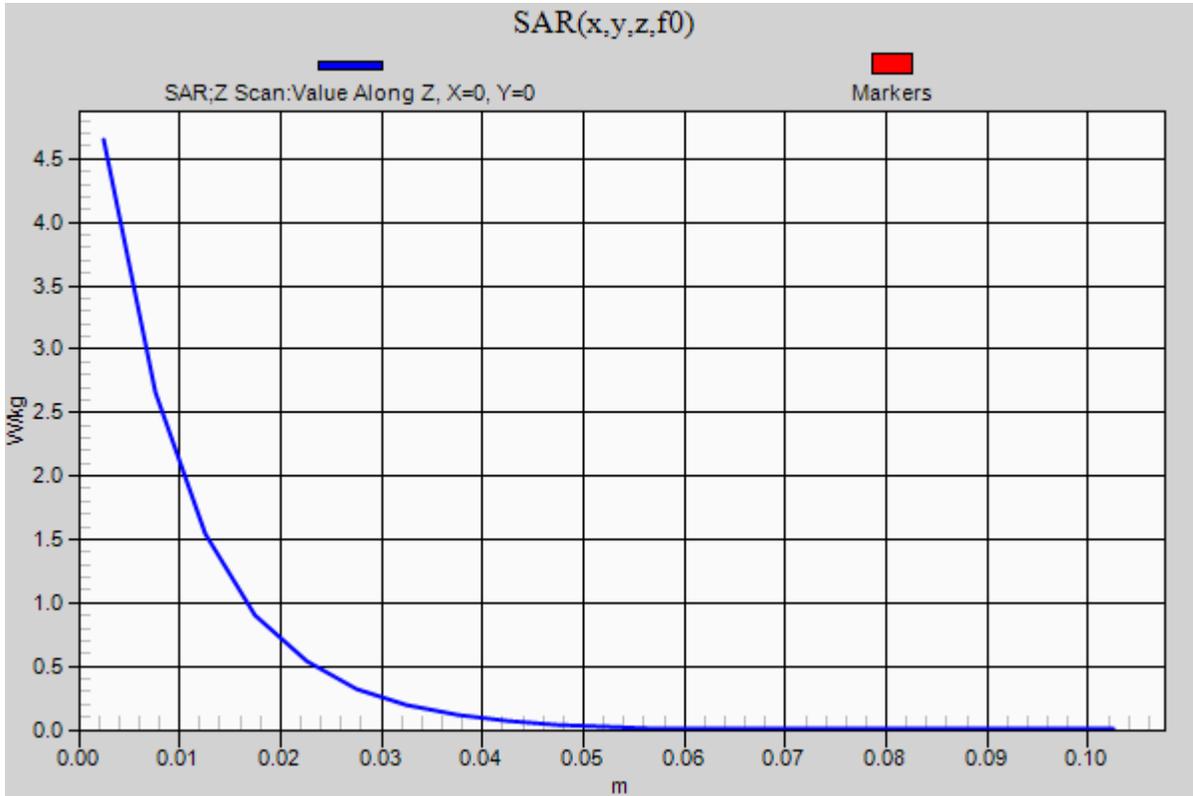


0 dB = 5.64 W/kg = 7.51 dBW/kg

### 20130620\_SystemPerformanceCheck-D1900V2 SN 5d163

Frequency: 1900 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) = 4.65 W/kg



## 20130623\_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:  $f = 835$  MHz;  $\sigma = 0.92$  S/m;  $\epsilon_r = 42.48$ ;  $\rho = 1000$  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 Sn1259; Calibrated: 2/7/2013
- Probe: EX3DV3 - SN3531; ConvF(10.08, 10.08, 10.08); Calibrated: 11/15/2012;
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Phantom: SAM; Type: QD000P40CD; Serial: TP 1751

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

Reference Value = 33.207 V/m; Power Drift = -0.03 dB

**Fast SAR: SAR(1 g) = 1.04 W/kg; SAR(10 g) = 0.703 W/kg**

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

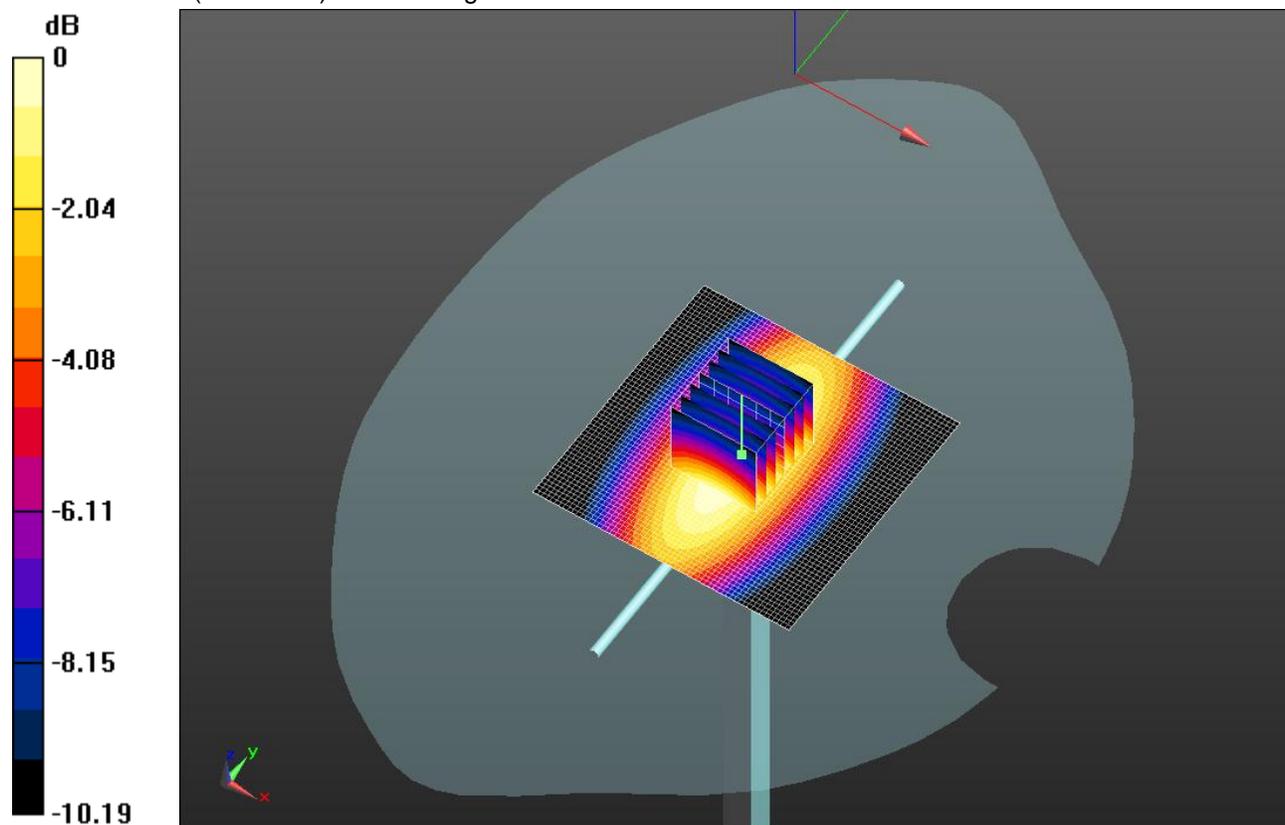
**Head/Pin=100 mW/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 33.207 V/m; Power Drift = -0.03 dB

Peak SAR (extrapolated) = 1.50 W/kg

**SAR(1 g) = 1.01 W/kg; SAR(10 g) = 0.668 W/kg**

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

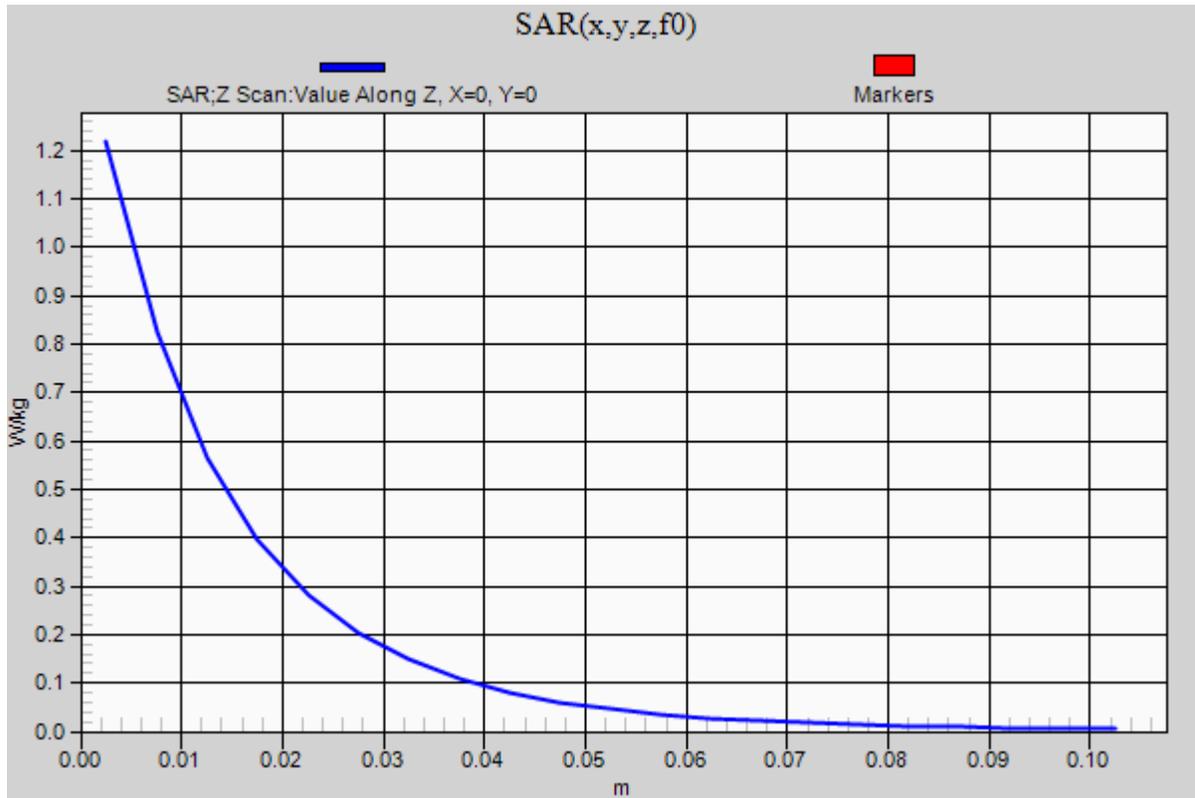


0 dB = 1.23 W/kg = 0.90 dBW/kg

## 20130623\_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) = 1.22 W/kg



## 20130626\_SystemPerformanceCheck-D1900V2 SN 5d163

Frequency: 1900 MHz; Duty Cycle: 1:1; Room Ambient Temperature: 24.0°C; Liquid Temperature: 23.0°C  
Medium parameters used:  $f = 1900$  MHz;  $\sigma = 1.513$  S/m;  $\epsilon_r = 53.414$ ;  $\rho = 1000$  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: EX3DV3 - SN3531; ConvF(8.12, 8.12, 8.12); Calibrated: 11/15/2012;
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Phantom: ELI-A v5.0; Type: QDOVA002AA; Serial: TP 1194

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

Reference Value = 54.330 V/m; Power Drift = -0.11 dB

**Fast SAR: SAR(1 g) = 3.67 W/kg; SAR(10 g) = 1.89 W/kg**

Maximum value of SAR (interpolated) = 4.91 W/kg

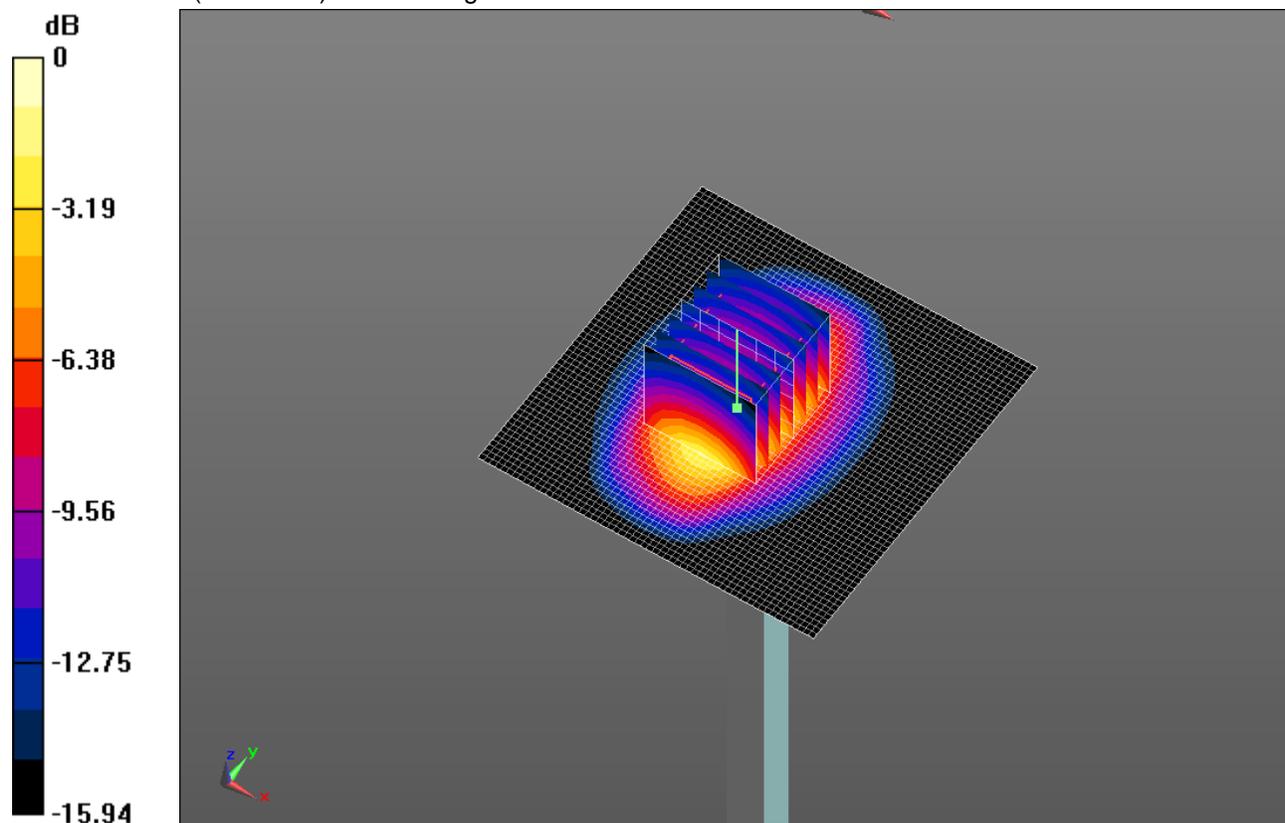
**Body/Pin=100 mW/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 54.330 V/m; Power Drift = -0.11 dB

Peak SAR (extrapolated) = 6.37 W/kg

**SAR(1 g) = 3.66 W/kg; SAR(10 g) = 1.98 W/kg**

Maximum value of SAR (measured) = 4.87 W/kg

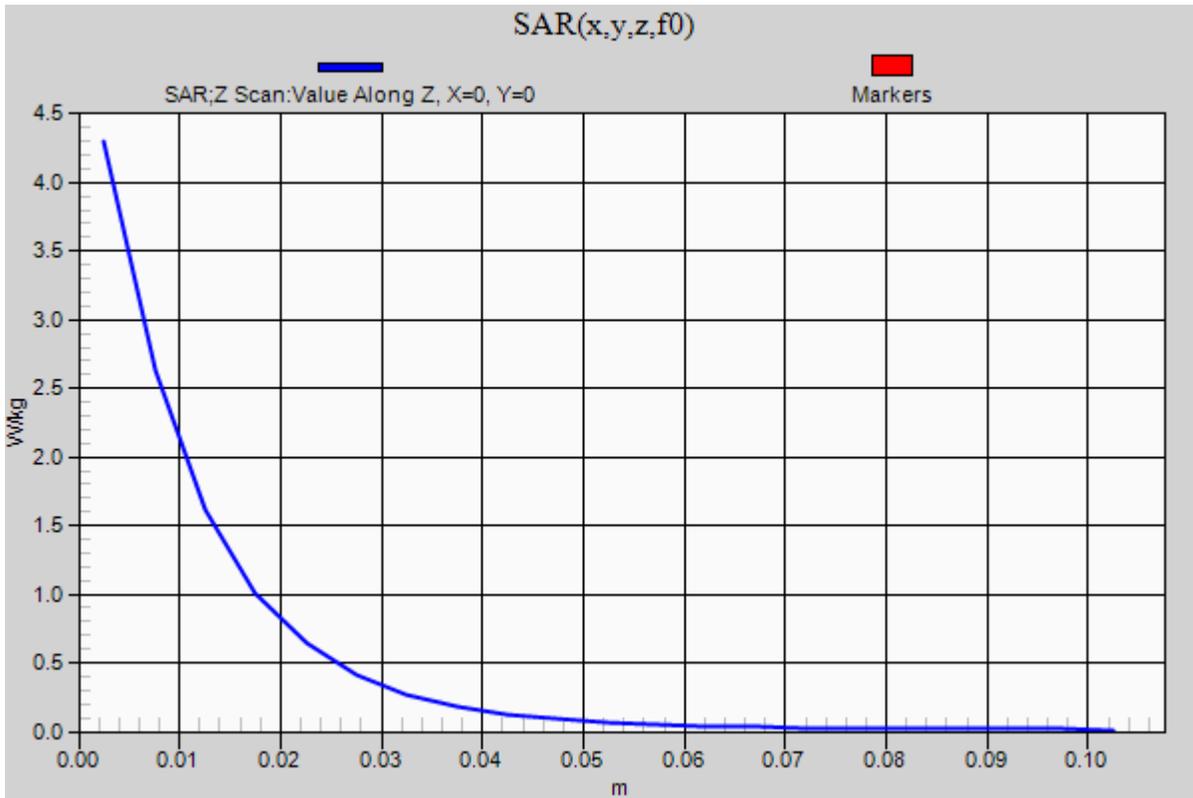


0 dB = 4.87 W/kg = 6.88 dBW/kg

## 20130626\_SystemPerformanceCheck-D1900V2 SN 5d163

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) = 4.30 W/kg



## 20130709\_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;  $\sigma = 1.325$  S/m;  $\epsilon_r = 39.476$ ;  $\rho = 1000$  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: EX3DV3 - SN3531; ConvF(9, 9, 9); Calibrated: 11/15/2012;
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Phantom: SAM; Type: QD000P40CD; Serial: 1629

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

Reference Value = 55.776 V/m; Power Drift = 0.02 dB

**Fast SAR: SAR(1 g) = 3.46 W/kg; SAR(10 g) = 1.87 W/kg**

Maximum value of SAR (interpolated) = 4.57 W/kg

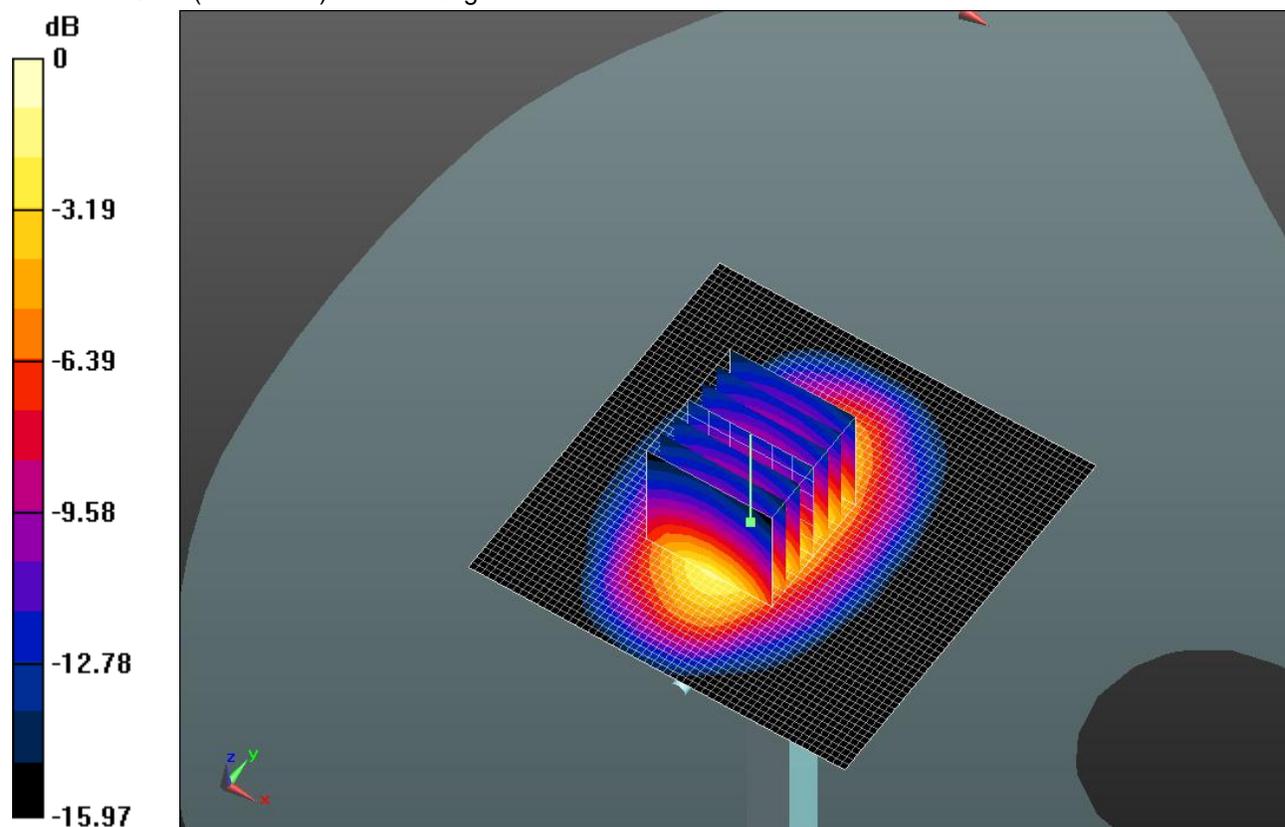
**Head/Pin=100 mW/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm**

Reference Value = 55.776 V/m; Power Drift = 0.02 dB

Peak SAR (extrapolated) = 6.00 W/kg

**SAR(1 g) = 3.38 W/kg; SAR(10 g) = 1.84 W/kg**

Maximum value of SAR (measured) = 4.44 W/kg

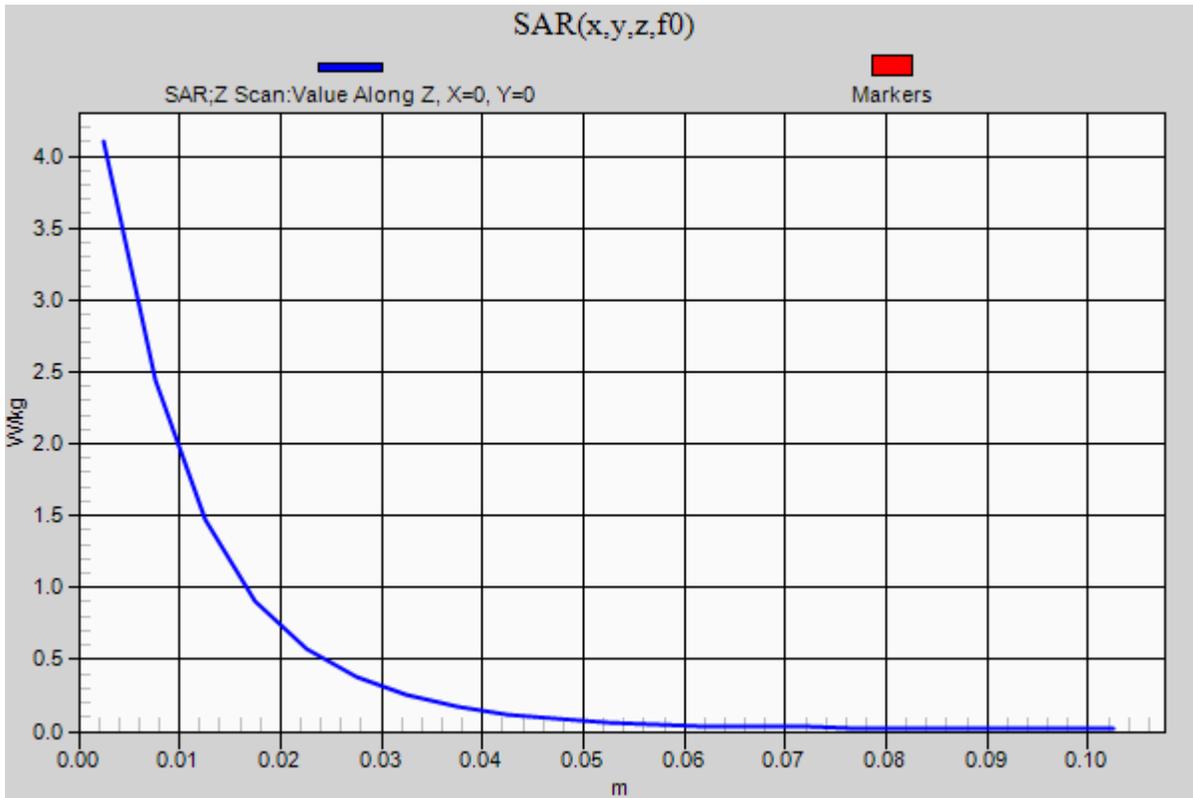


0 dB = 4.44 W/kg = 6.47 dBW/kg

### 20130709\_SystemPerformanceCheck-D1750V2 SN 1050

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) = 4.10 W/kg



## 20130713\_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;  $\sigma = 5.34$  S/m;  $\epsilon_r = 49.187$ ;  $\rho = 1000$  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: EX3DV3 - SN3531; ConvF(4.21, 4.21, 4.21); Calibrated: 11/15/2012;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Phantom: ELI-A v5.0; Type: QDOVA002AA; Serial: TP 1194

### Body/5.2 GHz, Pin=100mW 2 2/Area Scan (61x61x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

Reference Value = 41.494 V/m; Power Drift = -0.06 dB

**Fast SAR: SAR(1 g) = 6.06 W/kg; SAR(10 g) = 1.74 W/kg**

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

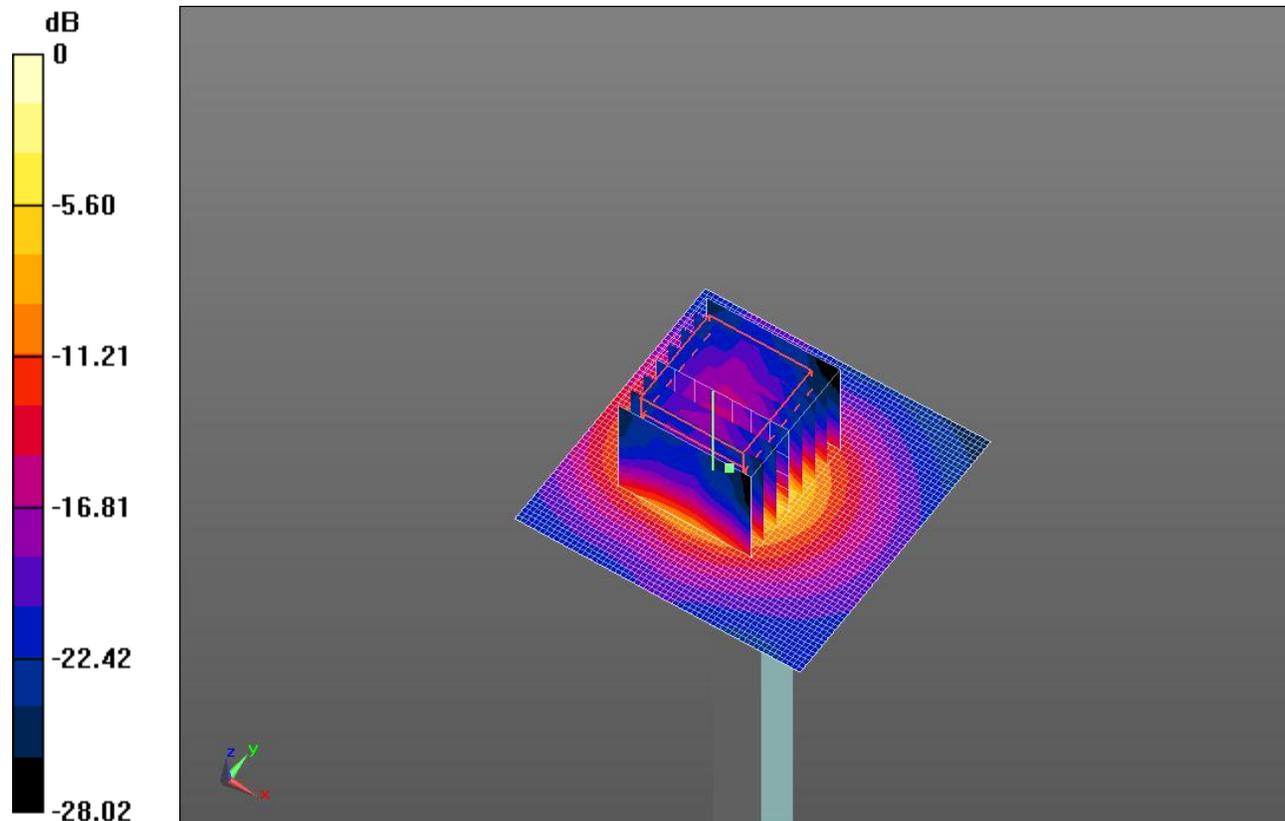
### Body/5.2 GHz, Pin=100mW 2 2/Zoom Scan (8x8x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm

Reference Value = 41.494 V/m; Power Drift = -0.06 dB

Peak SAR (extrapolated) = 24.4 W/kg

**SAR(1 g) = 6.67 W/kg; SAR(10 g) = 2.02 W/kg**

Maximum value of SAR (measured) = 15.1 W/kg

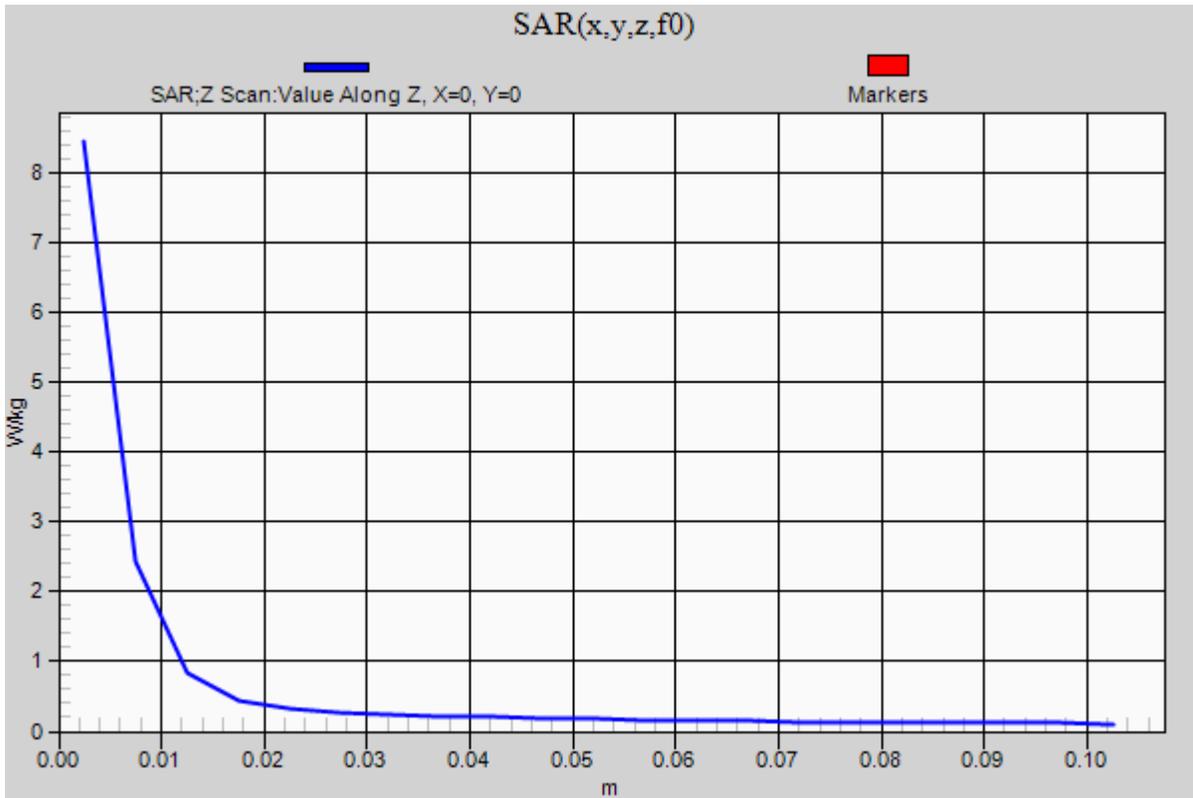


0 dB = 15.1 W/kg = 11.79 dBW/kg

### 20130713\_SystemPerformanceCheck-D5GHzV2 SN 1138

Frequency: 5200 MHz; Duty Cycle: 1:1

**Body/5.2 GHz, Pin=100mW 2 2/Z Scan (1x1x21):** Measurement grid: dx=20mm, dy=20mm, dz=5mm  
Maximum value of SAR (measured) = 8.44 W/kg



## 20130716\_SystemPerformanceCheck-D2600V2 SN 1036

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

Medium parameters used:  $f = 2600$  MHz;  $\sigma = 2.183$  S/m;  $\epsilon_r = 51.19$ ;  $\rho = 1000$  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(6.47, 6.47, 6.47); 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 = 61.930 V/m; Power Drift = -0.09 dB

**Fast SAR: SAR(1 g) = 5.97 W/kg; SAR(10 g) = 2.62 W/kg**

Maximum value of SAR (interpolated) = 8.69 W/kg

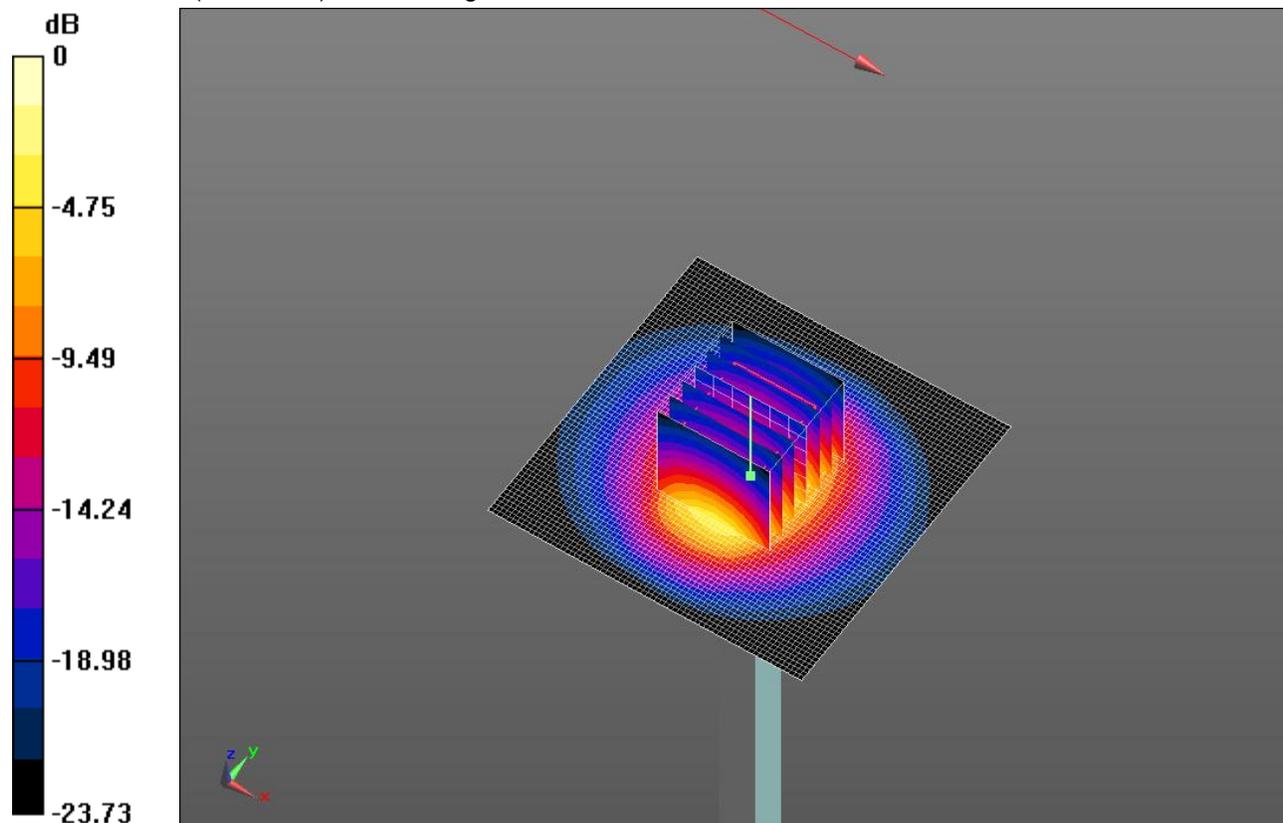
**Body/Pin=100 mW/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 61.930 V/m; Power Drift = -0.09 dB

Peak SAR (extrapolated) = 12.7 W/kg

**SAR(1 g) = 5.82 W/kg; SAR(10 g) = 2.57 W/kg**

Maximum value of SAR (measured) = 8.45 W/kg

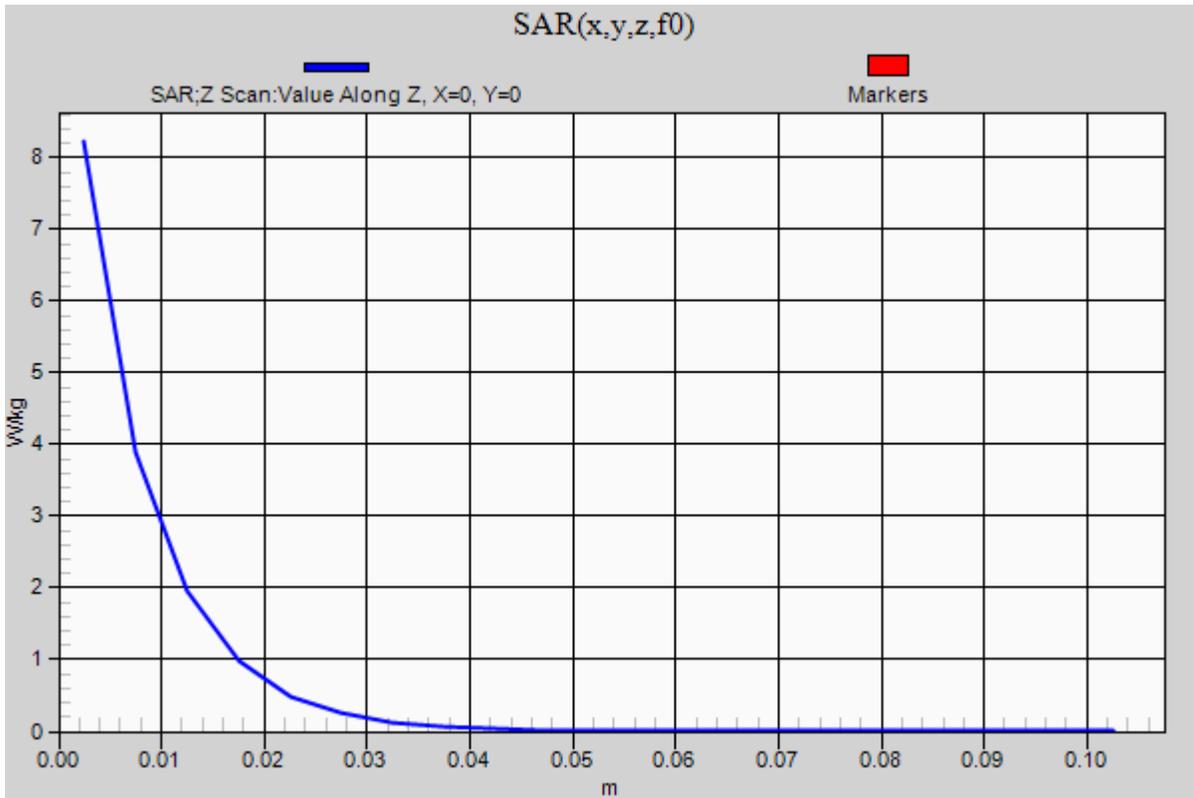


0 dB = 8.45 W/kg = 9.27 dBW/kg

### 20130716\_SystemPerformanceCheck-D2600V2 SN 1036

Frequency: 2600 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) = 8.22 W/kg



### 20130701SystemPerformanceCheck-D835V2 SN 4d002

Frequency: 835 MHz; Duty Cycle: 1:1; Room Ambient Temperature: 24.0°C; Liquid Temperature: 23.0°C  
 Medium parameters used:  $f = 835 \text{ MHz}$ ;  $\sigma = 0.925 \text{ S/m}$ ;  $\epsilon_r = 41.456$ ;  $\rho = 1000 \text{ kg/m}^3$

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 Sn1359; Calibrated: 08.02.2013
- Probe: EX3DV4 - SN3773; ConvF(8.77, 8.77, 8.77); Calibrated: 26.04.2013;
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Phantom: SAM with CRP; Type: SAM;

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

Reference Value = 33.307 V/m; Power Drift = -0.10 dB

**Fast SAR: SAR(1 g) = 1 W/kg; SAR(10 g) = 0.680 W/kg**

Maximum value of SAR (interpolated) = 1.18 W/kg

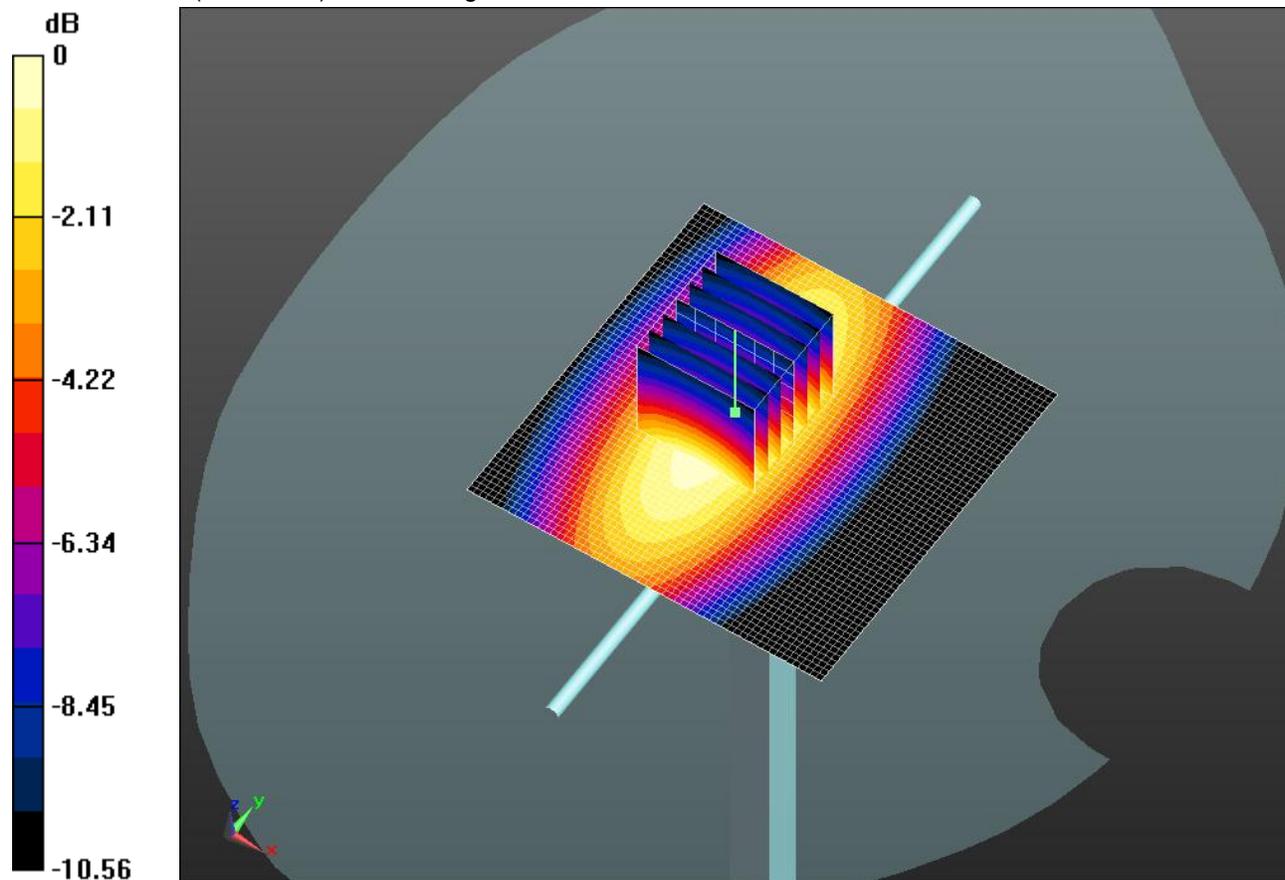
**Head/Pin=100 mW/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 33.307 V/m; Power Drift = -0.10 dB

Peak SAR (extrapolated) = 1.48 W/kg

**SAR(1 g) = 0.987 W/kg; SAR(10 g) = 0.645 W/kg**

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

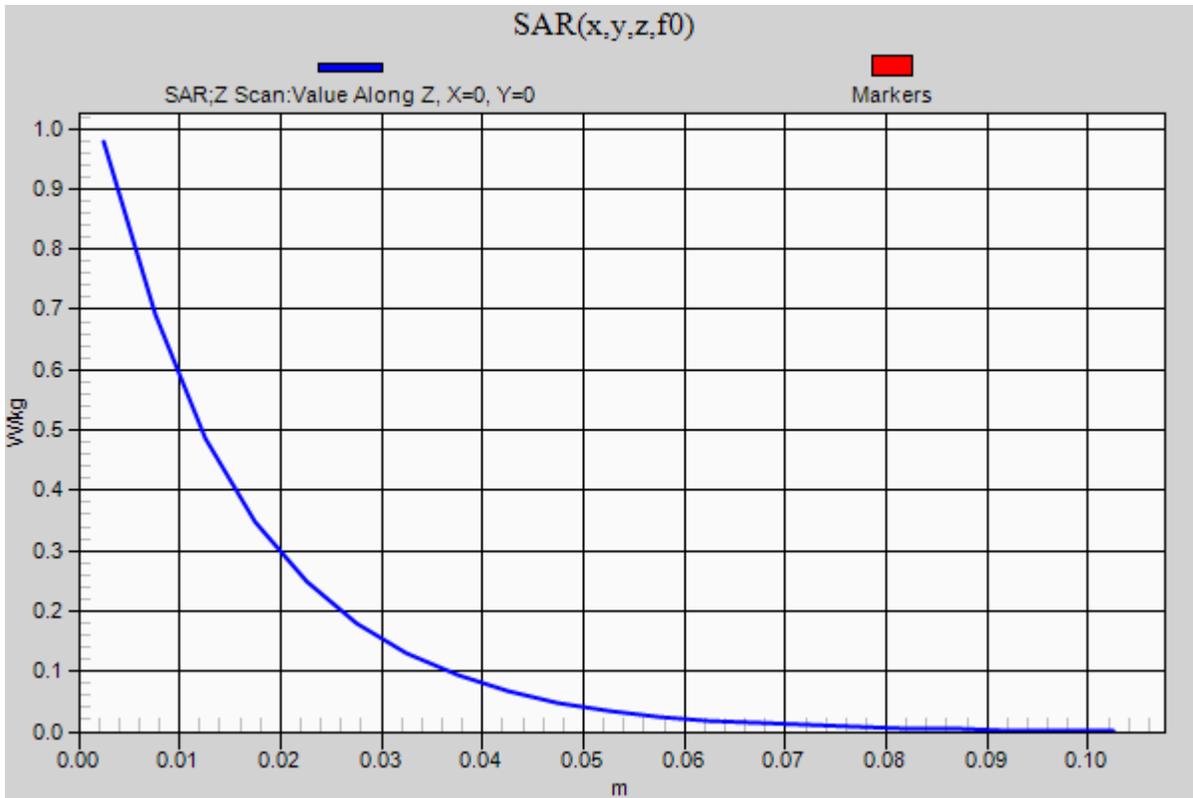


0 dB = 1.20 W/kg = 0.79 dBW/kg

### 20130701SystemPerformanceCheck-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) = 0.978 W/kg



## 20130705\_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:  $f = 2450$  MHz;  $\sigma = 1.918$  S/m;  $\epsilon_r = 50.373$ ;  $\rho = 1000$  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: 2/8/2013
- Probe: EX3DV4 - SN3773; ConvF(6.6, 6.6, 6.6); Calibrated: 4/26/2013;
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Phantom: ELI v4.0; Type: QDOVA001BB; Serial: TP:xxxx

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

Reference Value = 61.152 V/m; Power Drift = -0.05 dB

**Fast SAR: SAR(1 g) = 5.15 W/kg; SAR(10 g) = 2.24 W/kg**

Maximum value of SAR (interpolated) = 7.51 W/kg

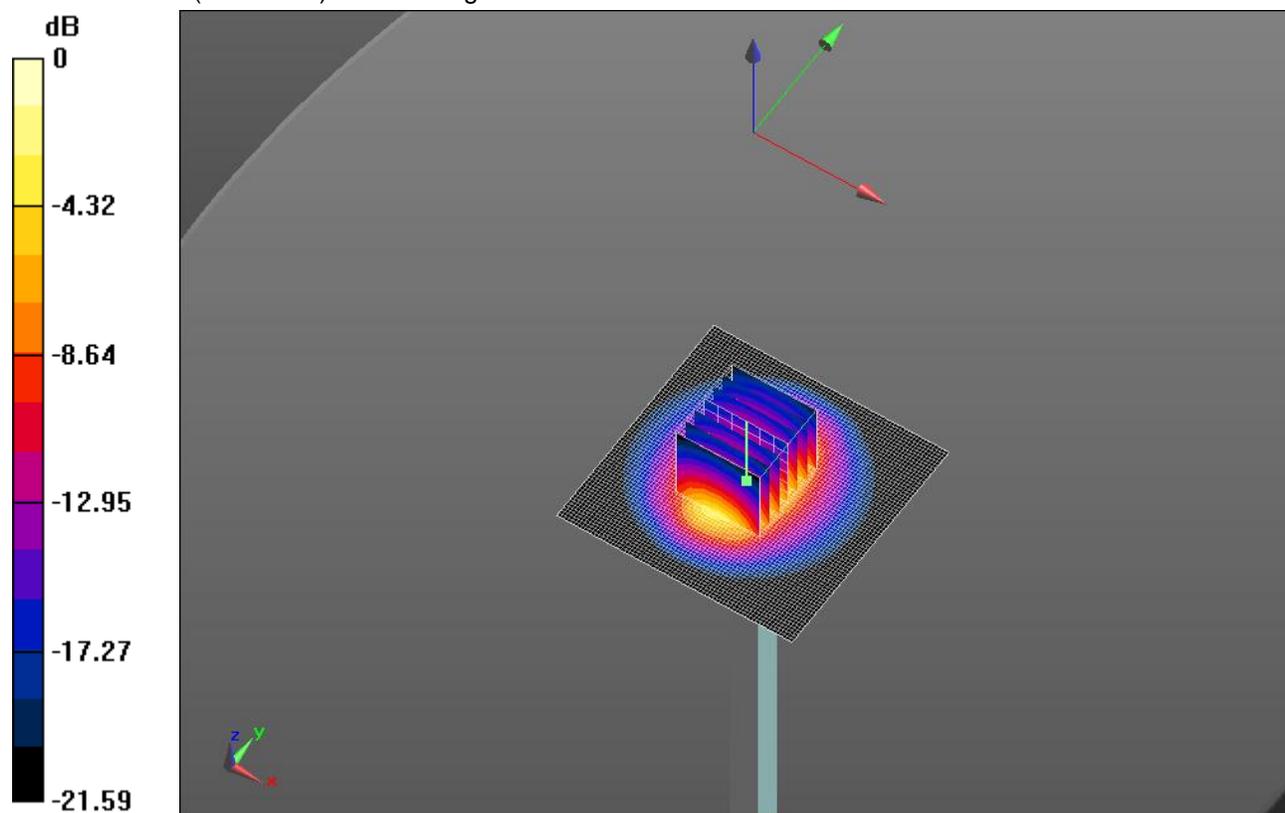
**Body/Pin=100 mW/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 61.152 V/m; Power Drift = -0.05 dB

Peak SAR (extrapolated) = 10.7 W/kg

**SAR(1 g) = 5.22 W/kg; SAR(10 g) = 2.44 W/kg**

Maximum value of SAR (measured) = 7.38 W/kg

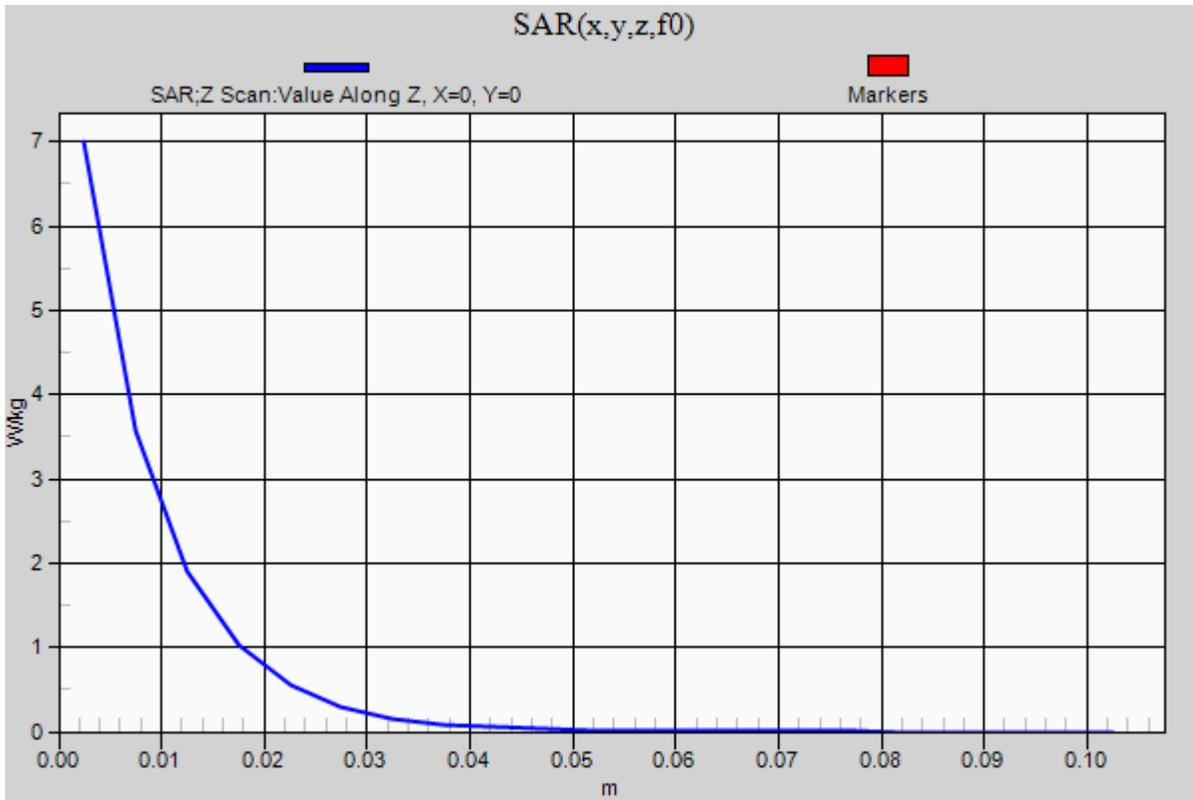


0 dB = 7.38 W/kg = 8.68 dBW/kg

### 20130705\_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  
Maximum value of SAR (measured) = 7.00 W/kg



### 20130816\_SystemPerformanceCheck-D1900V2 SN 5d163

Frequency: 1900 MHz; Duty Cycle: 1:1; Room Ambient Temperature: 24.0°C; Liquid Temperature: 23.0°C  
 Medium parameters used:  $f = 1900 \text{ MHz}$ ;  $\sigma = 1.527 \text{ S/m}$ ;  $\epsilon_r = 52.854$ ;  $\rho = 1000 \text{ kg/m}^3$

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 Sn1360; Calibrated: 2/7/2013
- Probe: EX3DV4 - SN3686; ConvF(7.28, 7.28, 7.28); Calibrated: 3/11/2013;
- 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 = 57.913 V/m; Power Drift = 0.02 dB

**Fast SAR: SAR(1 g) = 3.81 W/kg; SAR(10 g) = 1.91 W/kg**

Maximum value of SAR (interpolated) = 5.09 W/kg

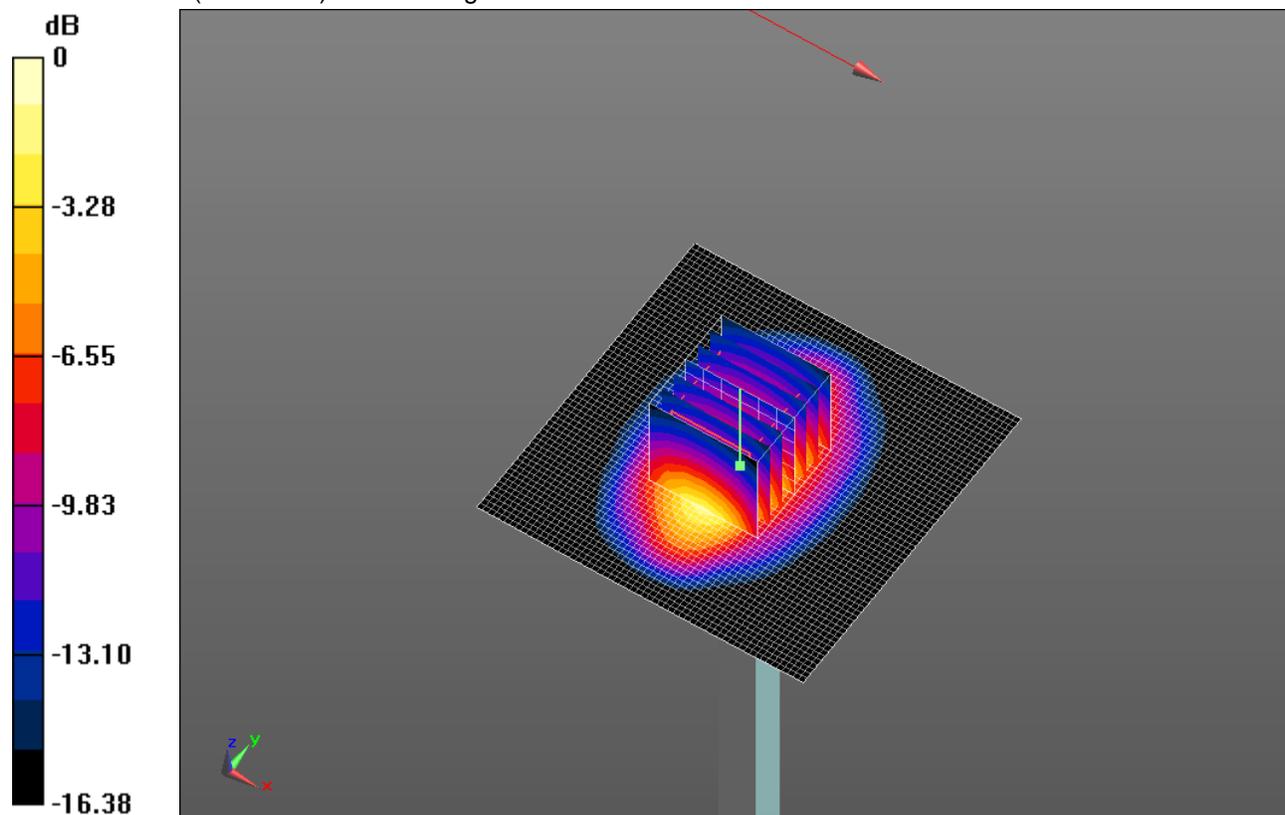
**Body/Pin=100 mW/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 57.913 V/m; Power Drift = 0.02 dB

Peak SAR (extrapolated) = 6.60 W/kg

**SAR(1 g) = 3.85 W/kg; SAR(10 g) = 2.07 W/kg**

Maximum value of SAR (measured) = 5.10 W/kg

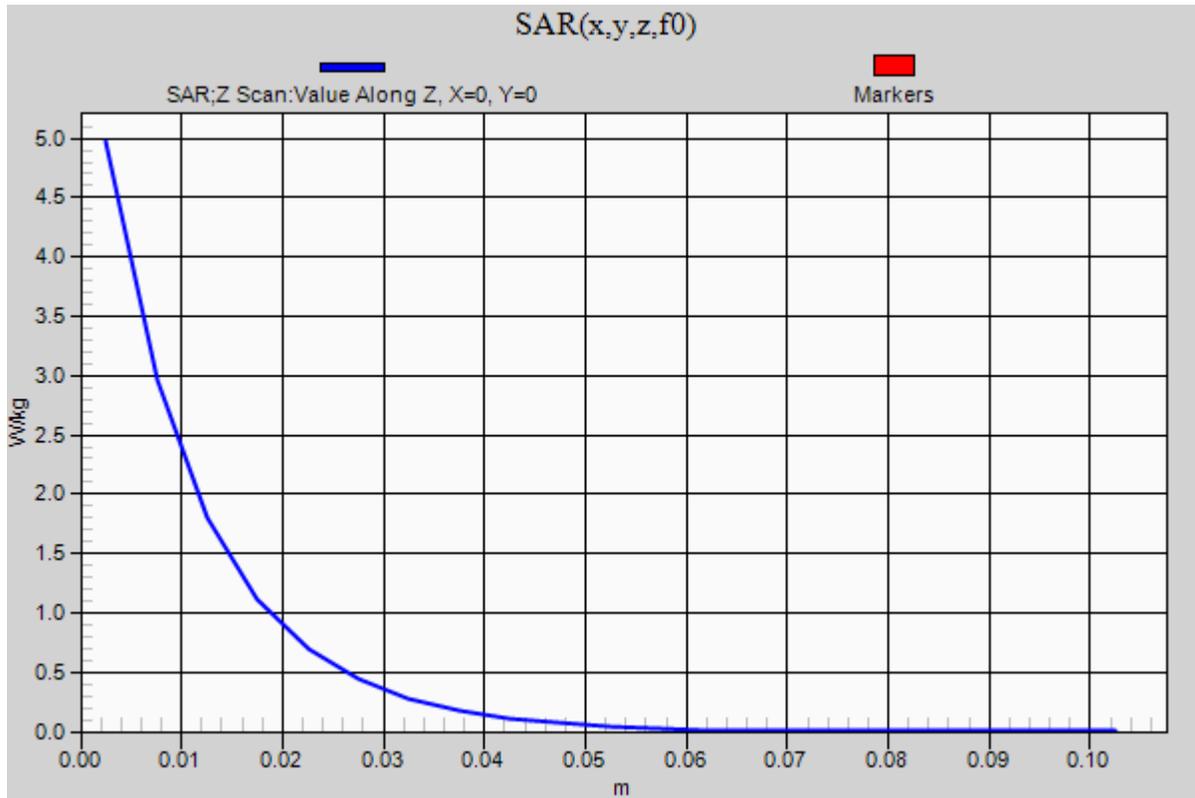


0 dB = 5.10 W/kg = 7.08 dBW/kg

### 20130816\_SystemPerformanceCheck-D1900V2 SN 5d163

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) = 4.97 W/kg



## 20130819\_SystemPerformanceCheck-D835V2 SN 4d002\_Body

Frequency: 835 MHz; Duty Cycle: 1:1; Room Ambient Temperature: 24.0°C; Liquid Temperature: 23.0°C  
 Medium parameters used:  $f = 835 \text{ MHz}$ ;  $\sigma = 1.011 \text{ S/m}$ ;  $\epsilon_r = 53.695$ ;  $\rho = 1000 \text{ kg/m}^3$

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 Sn1259; Calibrated: 2/7/2013
- Probe: EX3DV4 - SN3929; ConvF(9.21, 9.21, 9.21); Calibrated: 6/24/2013;
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Phantom: ELI-A v5.0; Type: QDOVA002AA; Serial: TP 1194

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

Reference Value = 34.757 V/m; Power Drift = -0.04 dB

**Fast SAR: SAR(1 g) = 1 W/kg; SAR(10 g) = 0.670 W/kg**

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

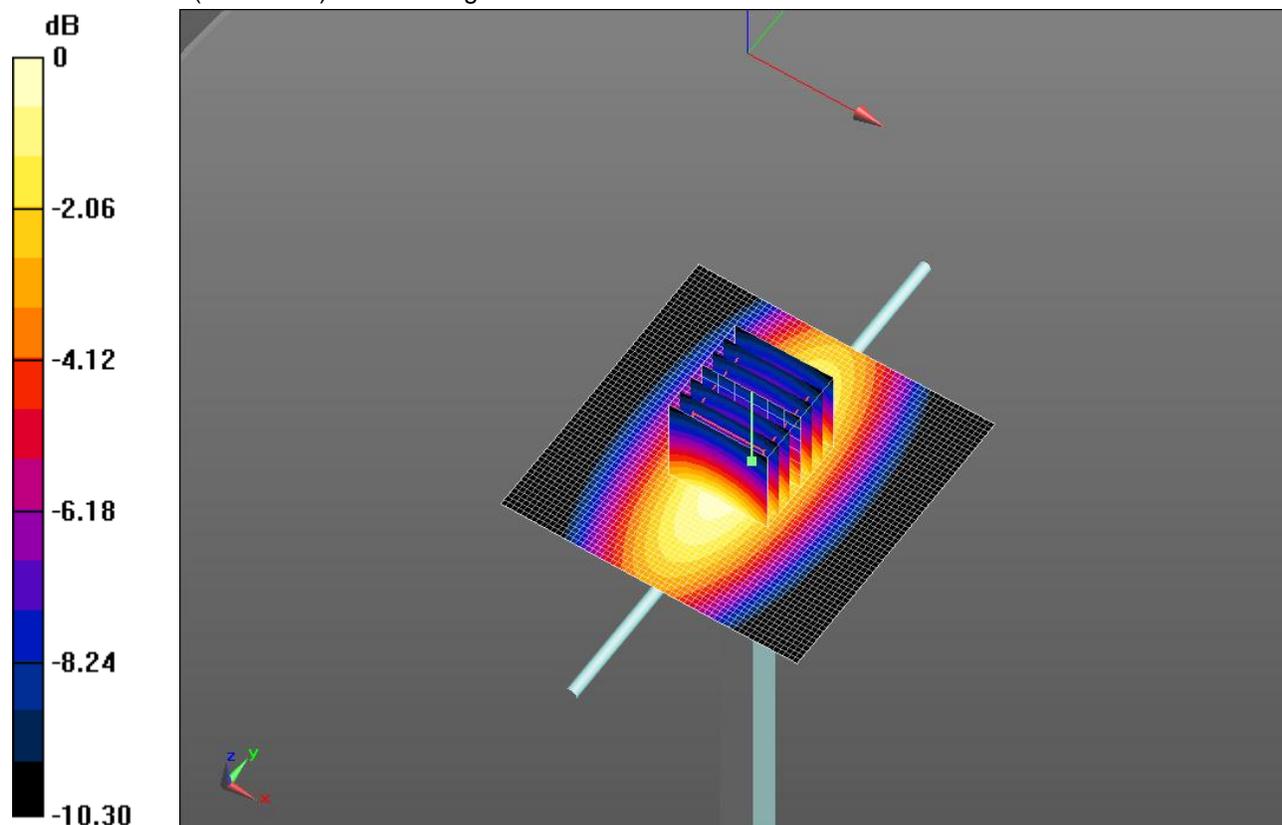
**Body/Pin=100 mW/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 34.757 V/m; Power Drift = -0.04 dB

Peak SAR (extrapolated) = 1.46 W/kg

**SAR(1 g) = 0.977 W/kg; SAR(10 g) = 0.642 W/kg**

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

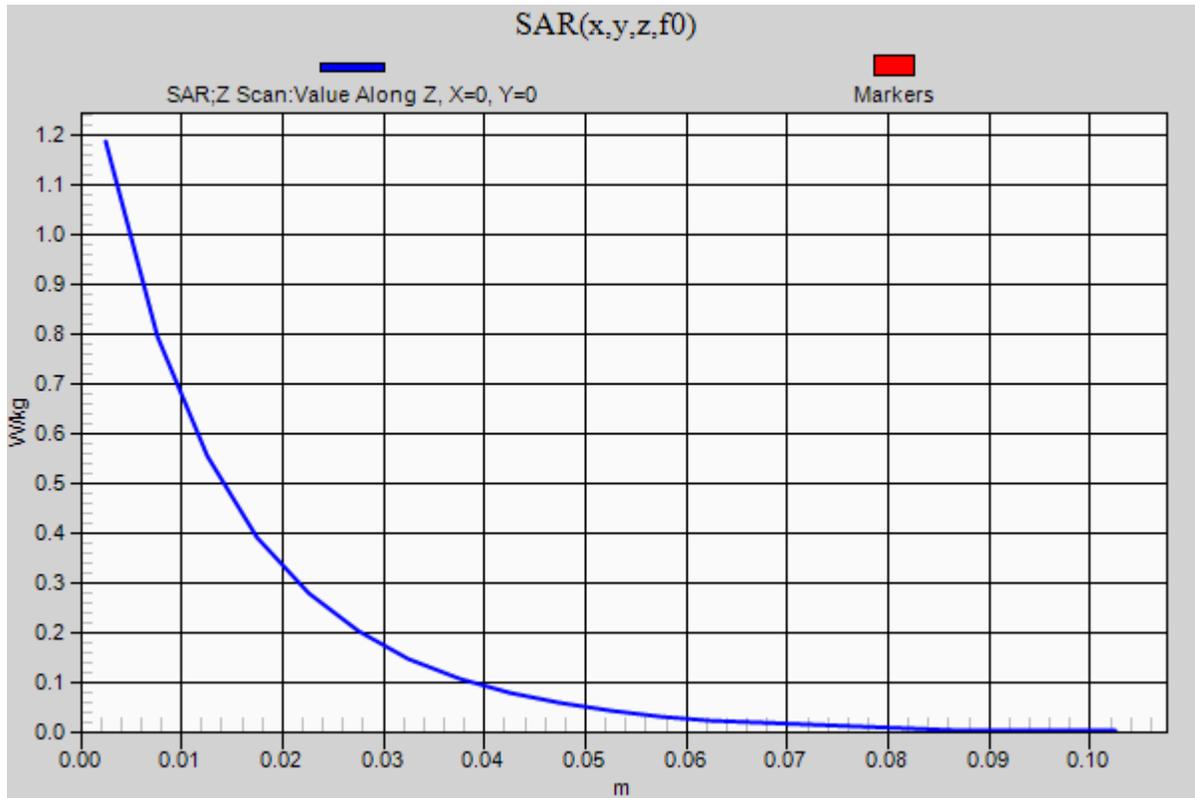


0 dB = 1.19 W/kg = 0.76 dBW/kg

### 20130819\_SystemPerformanceCheck-D835V2 SN 4d002\_Body

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) = 1.19 W/kg



## 20130820\_SystemPerformanceCheck-D1750V2 SN 1050\_body

Frequency: 1750 MHz; Duty Cycle: 1:1; Room Ambient Temperature: 24.0°C; Liquid Temperature: 23.0°C  
 Medium parameters used:  $f = 1750$  MHz;  $\sigma = 1.483$  S/m;  $\epsilon_r = 53.068$ ;  $\rho = 1000$  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(7.67, 7.67, 7.67); 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 2/Area Scan (61x61x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Reference Value = 57.275 V/m; Power Drift = 0.02 dB

**Fast SAR: SAR(1 g) = 3.73 W/kg; SAR(10 g) = 1.94 W/kg**

Maximum value of SAR (interpolated) = 4.98 W/kg

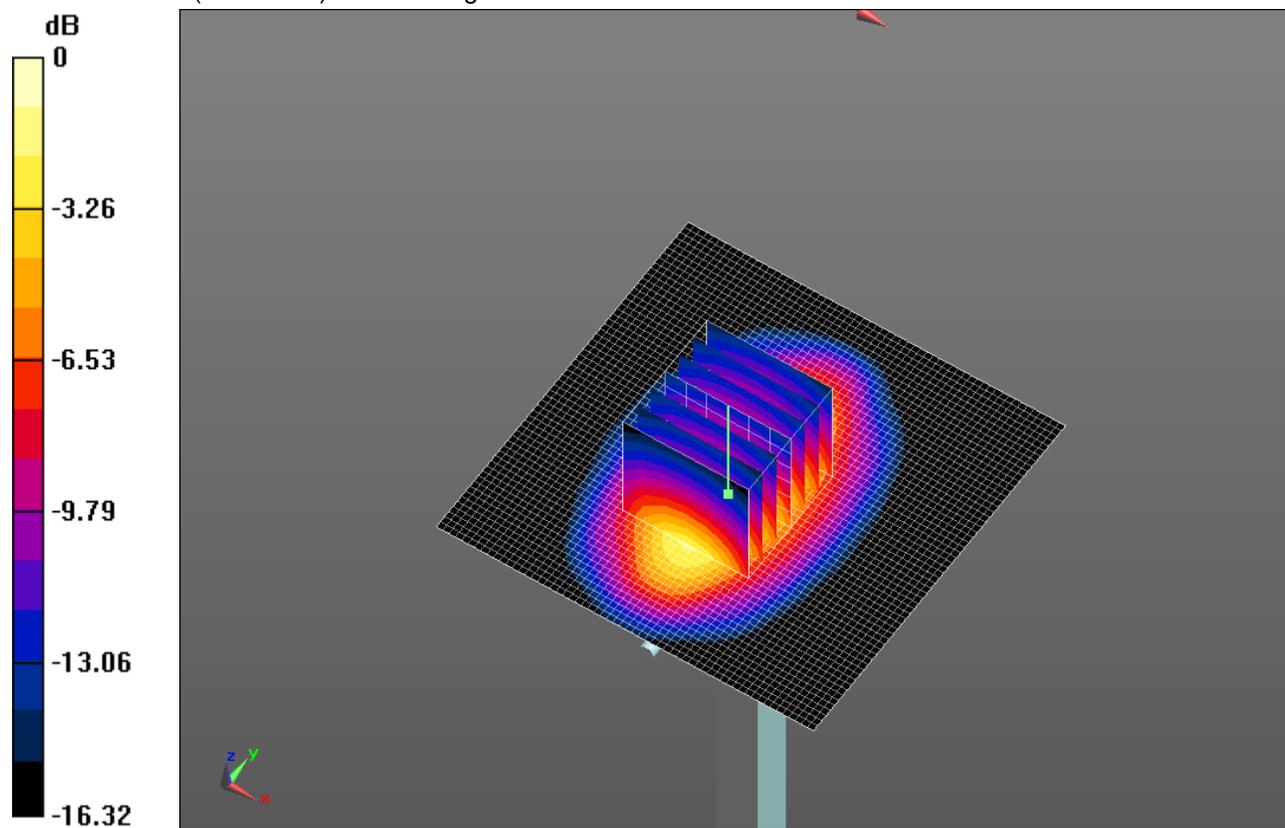
### Body/Pin=100 mW 2/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 57.275 V/m; Power Drift = 0.02 dB

Peak SAR (extrapolated) = 6.50 W/kg

**SAR(1 g) = 3.69 W/kg; SAR(10 g) = 1.98 W/kg**

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

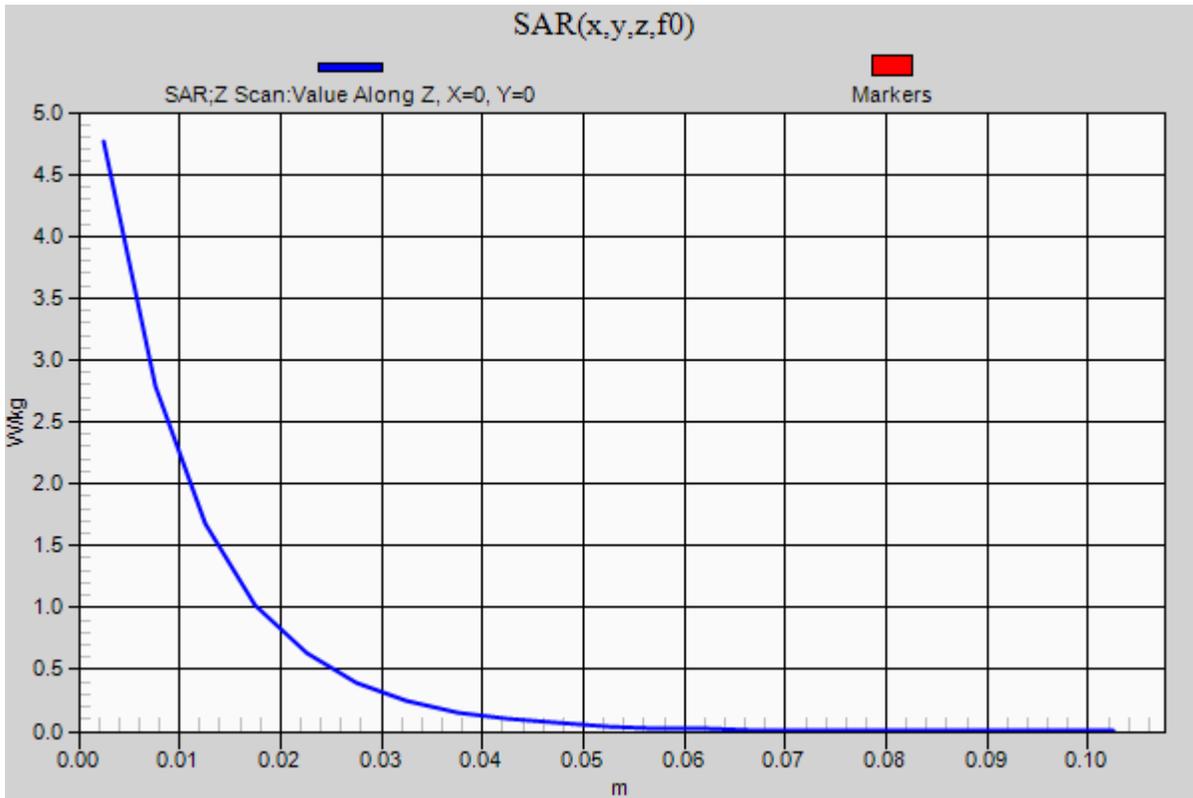


0 dB = 4.89 W/kg = 6.89 dBW/kg

### 20130820\_SystemPerformanceCheck-D1750V2 SN 1050\_body

Frequency: 1750 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) = 4.76 W/kg



## 20130820\_SystemPerformanceCheck-D750V3 SN 1071\_Body

Frequency: 750 MHz; Duty Cycle: 1:1; Room Ambient Temperature: 24.0°C; Liquid Temperature: 23.0°C  
 Medium parameters used:  $f = 750 \text{ MHz}$ ;  $\sigma = 0.979 \text{ S/m}$ ;  $\epsilon_r = 55.855$ ;  $\rho = 1000 \text{ kg/m}^3$

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 Sn1259; Calibrated: 2/7/2013
- Probe: EX3DV4 - SN3929; ConvF(9.28, 9.28, 9.28); 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 (61x61x1):** Interpolated grid:  $dx=1.500 \text{ mm}$ ,  $dy=1.500 \text{ mm}$

Reference Value = 31.921 V/m; Power Drift = 0.09 dB

**Fast SAR: SAR(1 g) = 0.854 W/kg; SAR(10 g) = 0.579 W/kg**

Maximum value of SAR (interpolated) = 1.01 W/kg

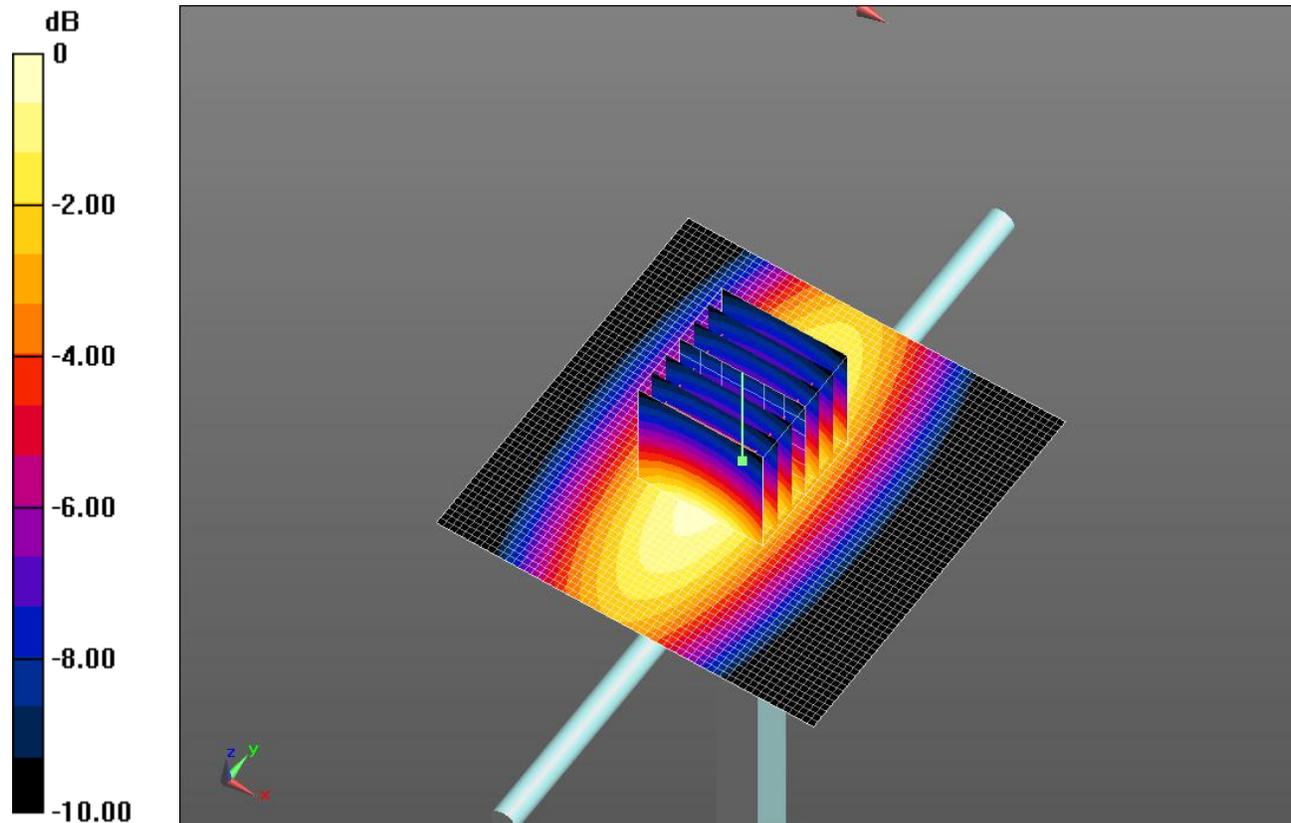
**Body/Pin=100 mW/Zoom Scan (7x7x7)/Cube 0:** Measurement grid:  $dx=5\text{mm}$ ,  $dy=5\text{mm}$ ,  $dz=5\text{mm}$

Reference Value = 31.921 V/m; Power Drift = 0.09 dB

Peak SAR (extrapolated) = 1.24 W/kg

**SAR(1 g) = 0.849 W/kg; SAR(10 g) = 0.564 W/kg**

Maximum value of SAR (measured) = 1.03 W/kg

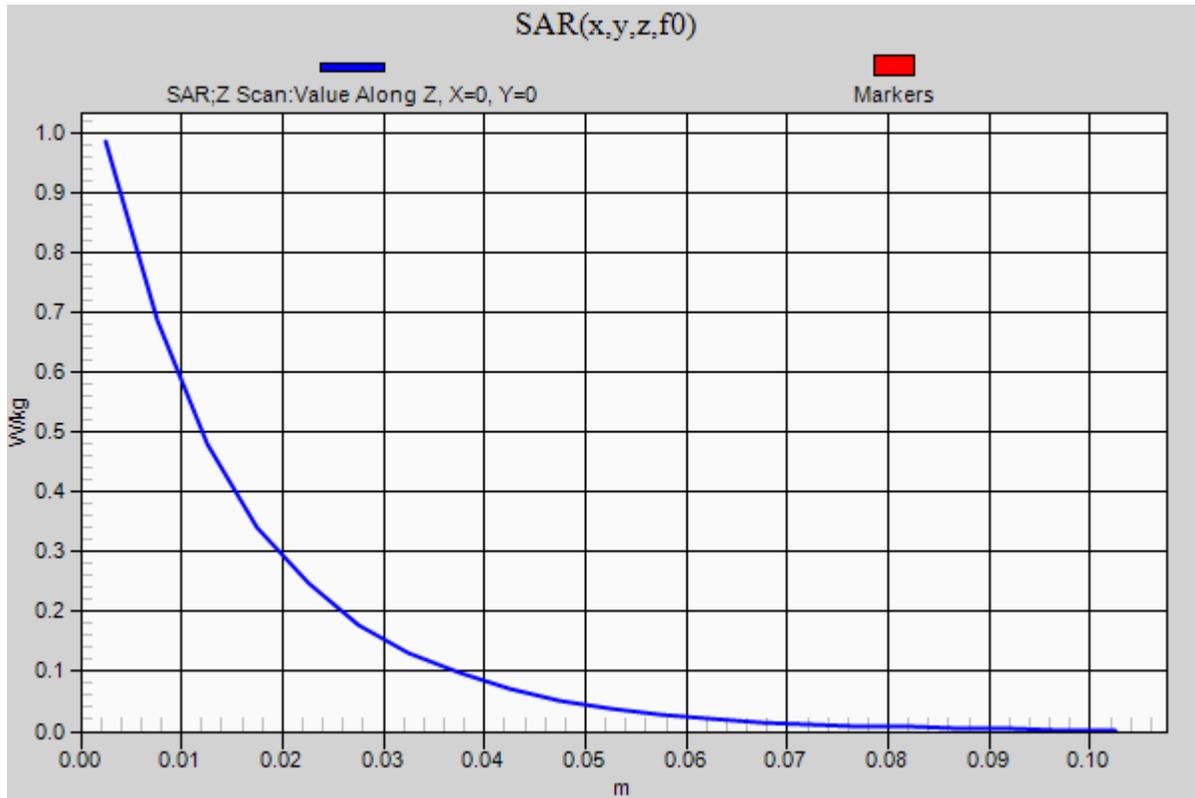


0 dB = 1.03 W/kg = 0.13 dBW/kg

### 20130820\_SystemPerformanceCheck-D750V3 SN 1071\_Body

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) = 0.985 W/kg



## GSM850 VoIP

Frequency: 836.6 MHz; Duty Cycle: 1:4.00037; Room Ambient Temperature: 24.0°C; Liquid Temperature: 23.0°C  
Medium parameters used (interpolated):  $f = 836.6$  MHz;  $\sigma = 1.015$  S/m;  $\epsilon_r = 53.939$ ;  $\rho = 1000$  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 Sn1259; Calibrated: 2/7/2013
- Probe: EX3DV3 - SN3531; ConvF(10.2, 10.2, 10.2); Calibrated: 11/15/2012;
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Phantom: SAM; Type: QD000P40CD; Serial: 1629

**RHS/Touch\_GPRS\_2 Slots\_Ch 190/Area Scan (9x12x1):** Measurement grid: dx=15mm, dy=15mm

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

Maximum value of SAR (measured) = 0.608 W/kg

**RHS/Touch\_GPRS\_2 Slots\_Ch 190/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

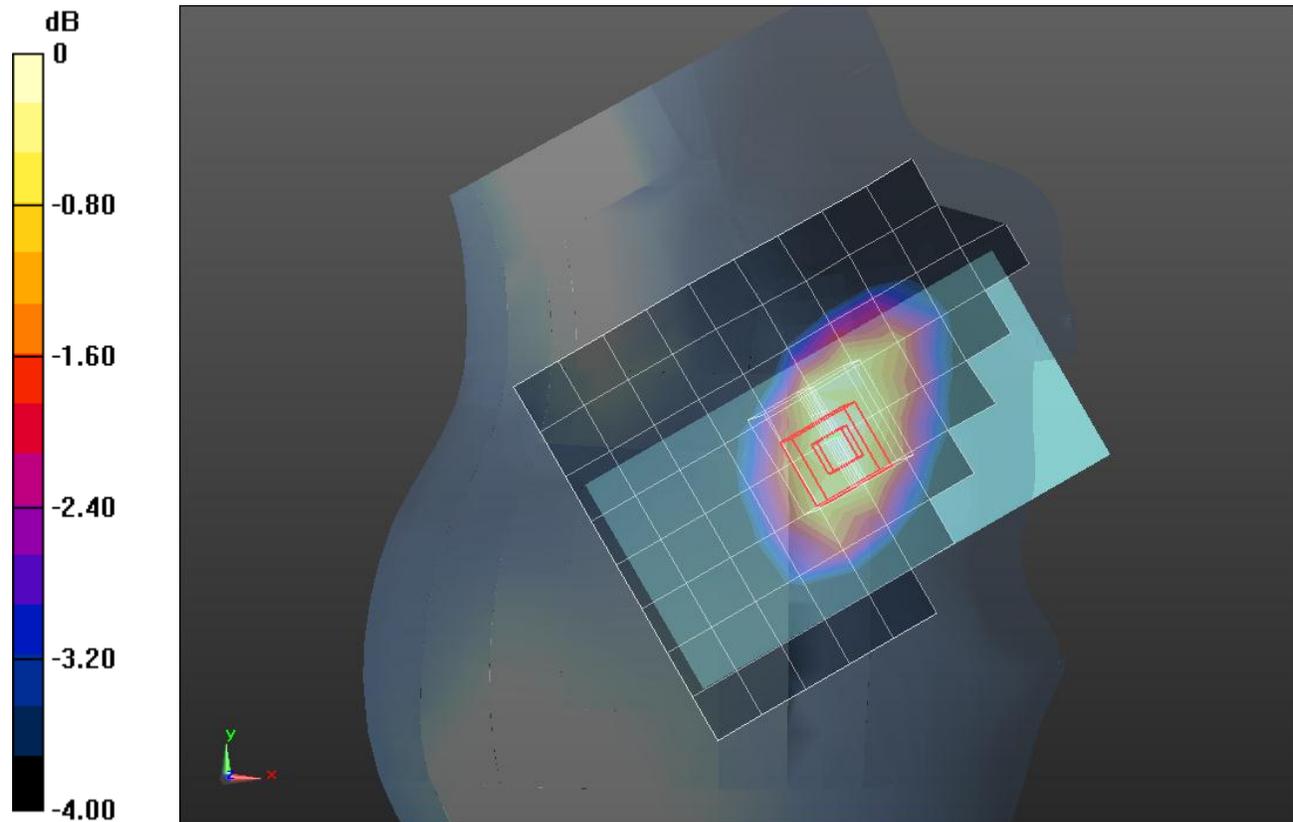
Reference Value = 23.245 V/m; Power Drift = -0.06 dB

Peak SAR (extrapolated) = 0.656 W/kg

**SAR(1 g) = 0.540 W/kg; SAR(10 g) = 0.418 W/kg**

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

Maximum value of SAR (measured) = 0.599 W/kg



0 dB = 0.599 W/kg = -2.23 dBW/kg

## GSM850 Hotspot

Frequency: 836.6 MHz; Duty Cycle: 1:4.00037; Room Ambient Temperature: 24.0°C; Liquid Temperature: 23.0°C  
Medium parameters used (interpolated):  $f = 836.6$  MHz;  $\sigma = 1.015$  S/m;  $\epsilon_r = 53.939$ ;  $\rho = 1000$  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 Sn1259; Calibrated: 2/7/2013
- Probe: EX3DV3 - SN3531; ConvF(10.2, 10.2, 10.2); Calibrated: 11/15/2012;
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Phantom: ELI-B v5.0; Type: QDOVA002AA; Serial: TP:1195

**Rear/GPRS 2 Slots\_Ch 190/Area Scan (8x13x1):** Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 0.711 W/kg

**Rear/GPRS 2 Slots\_Ch 190/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 15.977 V/m; Power Drift = 0.02 dB

Peak SAR (extrapolated) = 0.857 W/kg

**SAR(1 g) = 0.620 W/kg; SAR(10 g) = 0.445 W/kg**

Maximum value of SAR (measured) = 0.710 W/kg

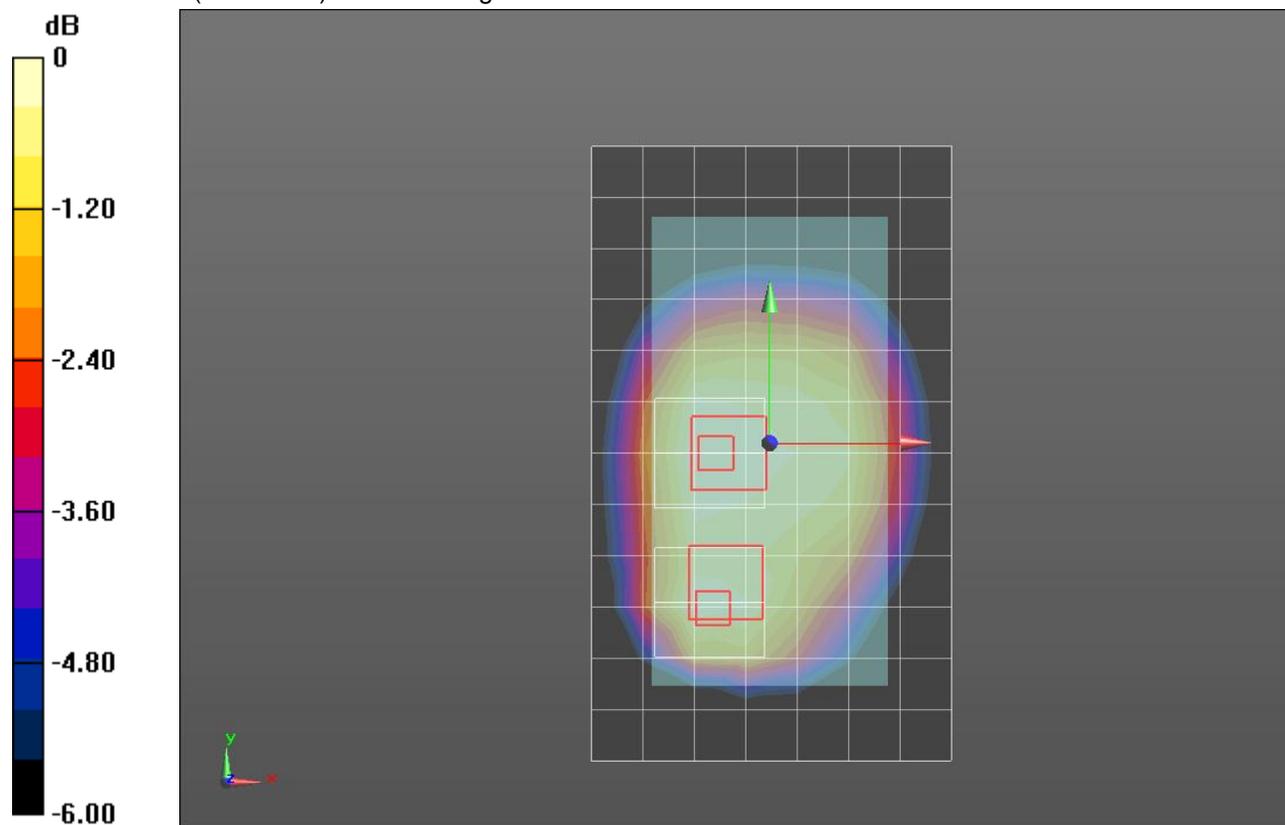
**Rear/GPRS 2 Slots\_Ch 190/Zoom Scan (5x5x7)/Cube 1:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 15.977 V/m; Power Drift = 0.02 dB

Peak SAR (extrapolated) = 0.819 W/kg

**SAR(1 g) = 0.626 W/kg; SAR(10 g) = 0.478 W/kg**

Maximum value of SAR (measured) = 0.718 W/kg



0 dB = 0.718 W/kg = -1.44 dBW/kg

## GSM1900 VoIP

Frequency: 1880 MHz; Duty Cycle: 1:4.00037; Room Ambient Temperature: 24.0°C; Liquid Temperature: 23.0°C  
 Medium parameters used:  $f = 1880 \text{ MHz}$ ;  $\sigma = 1.378 \text{ S/m}$ ;  $\epsilon_r = 40.118$ ;  $\rho = 1000 \text{ kg/m}^3$

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 Sn1259; Calibrated: 2/7/2013
- Probe: EX3DV3 - SN3531; ConvF(8.55, 8.55, 8.55); Calibrated: 11/15/2012;
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Phantom: SAM; Type: QD000P40CD; Serial: 1629

**LHS/Touch\_GPRS\_2 Slots\_Ch 661/Area Scan (8x11x1):** Measurement grid: dx=15mm, dy=15mm  
 Maximum value of SAR (measured) = 0.610 W/kg

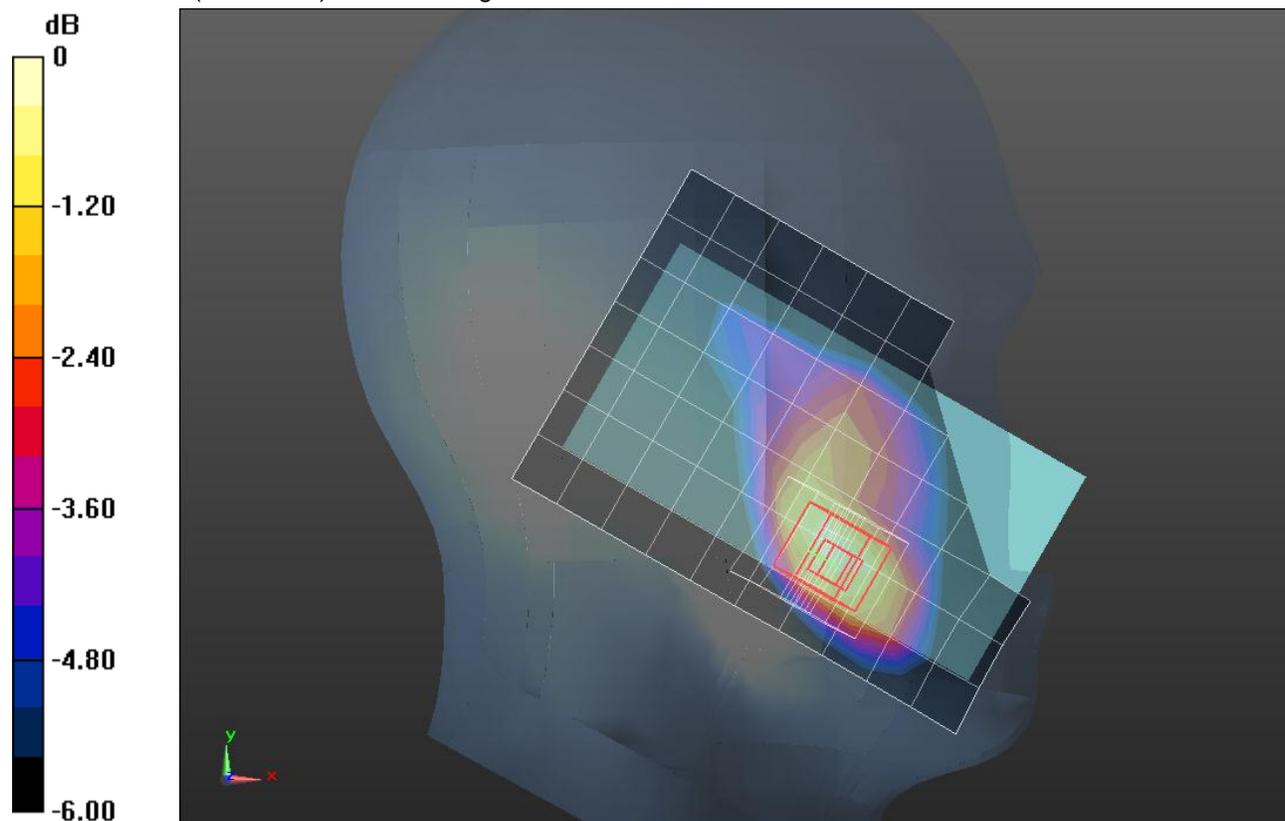
**LHS/Touch\_GPRS\_2 Slots\_Ch 661/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 20.783 V/m; Power Drift = 0.00 dB

Peak SAR (extrapolated) = 0.799 W/kg

**SAR(1 g) = 0.536 W/kg; SAR(10 g) = 0.340 W/kg**

Maximum value of SAR (measured) = 0.658 W/kg



0 dB = 0.658 W/kg = -1.82 dBW/kg

## GSM1900 Hotspot

Frequency: 1880 MHz; Duty Cycle: 1:4.00037; Room Ambient Temperature: 24.0°C; Liquid Temperature: 23.0°C  
 Medium parameters used:  $f = 1880 \text{ MHz}$ ;  $\sigma = 1.487 \text{ S/m}$ ;  $\epsilon_r = 51.946$ ;  $\rho = 1000 \text{ kg/m}^3$

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 Sn1259; Calibrated: 2/7/2013
- Probe: EX3DV3 - SN3531; ConvF(8.12, 8.12, 8.12); Calibrated: 11/15/2012;
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Phantom: ELI-A v5.0; Type: QDOVA002AA; Serial: TP 1194

**Rear/GPRS 2 Slots\_Ch 661/Area Scan (8x12x1):** Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 0.618 W/kg

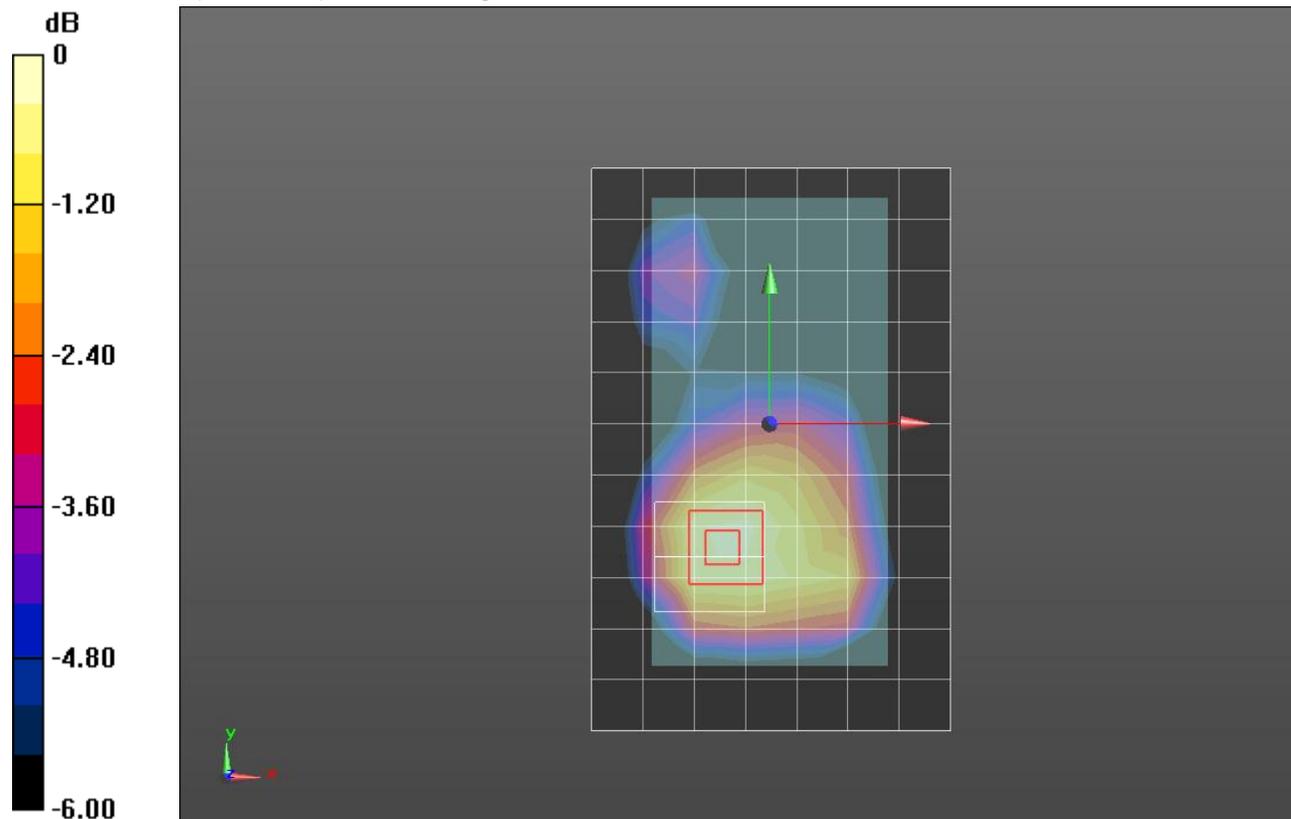
**Rear/GPRS 2 Slots\_Ch 661/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 20.482 V/m; Power Drift = -0.03 dB

Peak SAR (extrapolated) = 0.794 W/kg

**SAR(1 g) = 0.556 W/kg; SAR(10 g) = 0.372 W/kg**

Maximum value of SAR (measured) = 0.656 W/kg



0 dB = 0.656 W/kg = -1.83 dBW/kg

## WCDMA Band V

Frequency: 836.6 MHz; Duty Cycle: 1:1; Room Ambient Temperature: 24.0°C; Liquid Temperature: 23.0°C  
Medium parameters used (interpolated):  $f = 836.6$  MHz;  $\sigma = 1.015$  S/m;  $\epsilon_r = 53.939$ ;  $\rho = 1000$  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 Sn1259; Calibrated: 2/7/2013
- Probe: EX3DV3 - SN3531; ConvF(10.2, 10.2, 10.2); Calibrated: 11/15/2012;
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Phantom: SAM; Type: QD000P40CD; Serial: 1629

**RHS/Touch\_Rel 99\_RMC\_ch 4183/Area Scan (9x12x1):** Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 0.428 W/kg

**RHS/Touch\_Rel 99\_RMC\_ch 4183/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm,

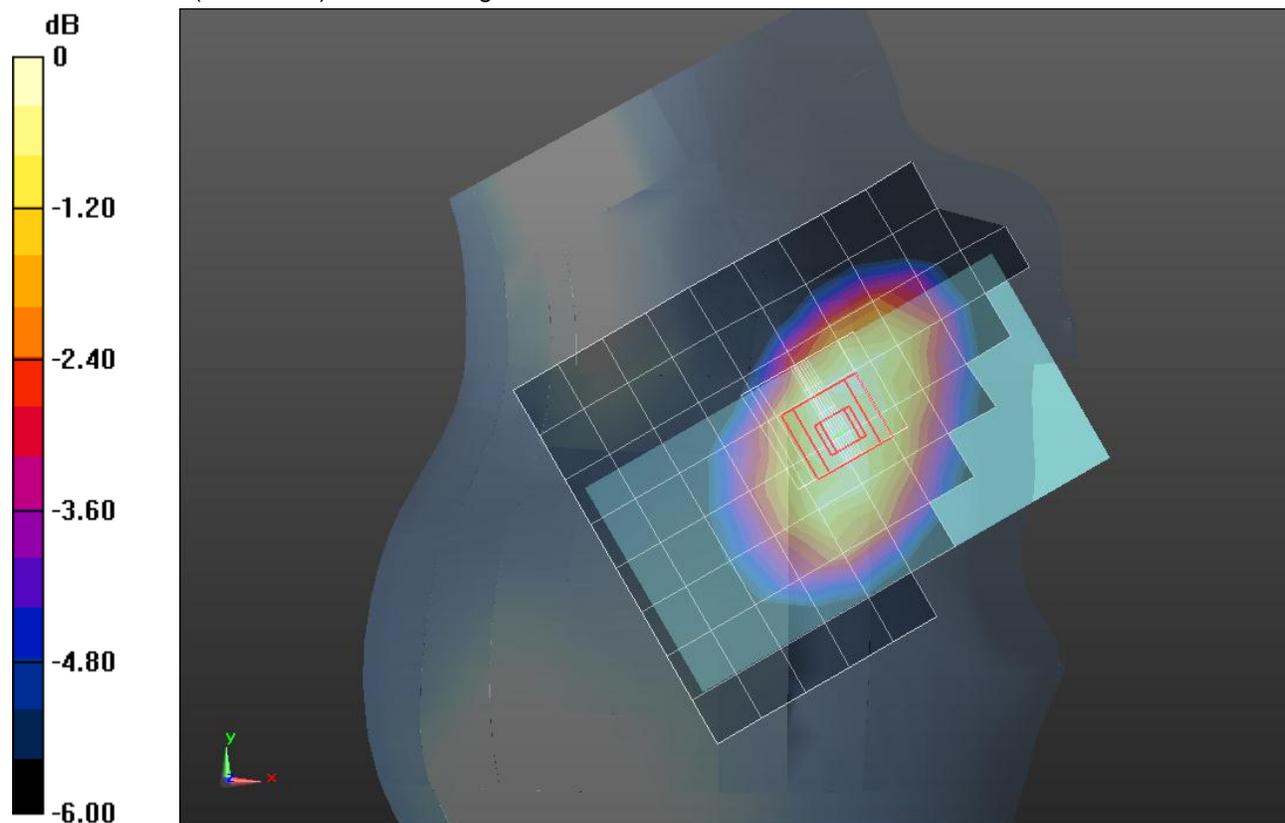
dy=8mm, dz=5mm

Reference Value = 19.507 V/m; Power Drift = -0.09 dB

Peak SAR (extrapolated) = 0.478 W/kg

**SAR(1 g) = 0.383 W/kg; SAR(10 g) = 0.291 W/kg**

Maximum value of SAR (measured) = 0.427 W/kg



0 dB = 0.427 W/kg = -3.70 dBW/kg

## WCDMA Band V

Frequency: 836.6 MHz; Duty Cycle: 1:1; Room Ambient Temperature: 24.0°C; Liquid Temperature: 23.0°C  
Medium parameters used (interpolated):  $f = 836.6$  MHz;  $\sigma = 1.015$  S/m;  $\epsilon_r = 53.939$ ;  $\rho = 1000$  kg/m<sup>3</sup>

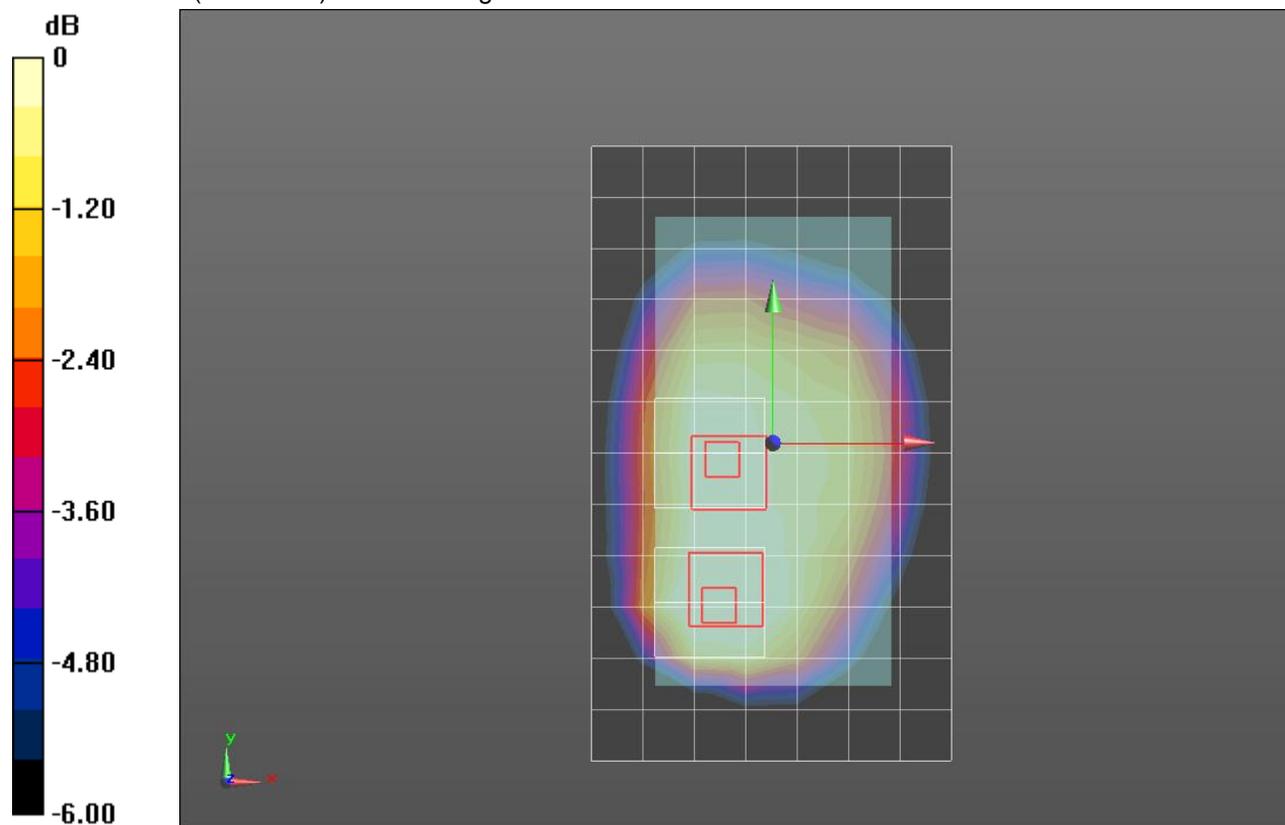
DASY5 Configuration:

- Area Scan Setting: Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.0012W/kg
- Electronics: DAE4 Sn1259; Calibrated: 2/7/2013
- Probe: EX3DV3 - SN3531; ConvF(10.2, 10.2, 10.2); Calibrated: 11/15/2012;
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Phantom: ELI-B v5.0; Type: QDOVA002AA; Serial: TP:1195

**Rear/Rel 99\_RMC\_Ch 4183/Area Scan (8x13x1):** Measurement grid: dx=15mm, dy=15mm  
Maximum value of SAR (measured) = 0.434 W/kg

**Rear/Rel 99\_RMC\_Ch 4183/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm  
Reference Value = 20.747 V/m; Power Drift = -0.08 dB  
Peak SAR (extrapolated) = 0.546 W/kg  
**SAR(1 g) = 0.389 W/kg; SAR(10 g) = 0.271 W/kg**  
Maximum value of SAR (measured) = 0.452 W/kg

**Rear/Rel 99\_RMC\_Ch 4183/Zoom Scan (5x5x7)/Cube 1:** Measurement grid: dx=8mm, dy=8mm, dz=5mm  
Reference Value = 20.747 V/m; Power Drift = -0.08 dB  
Peak SAR (extrapolated) = 0.401 W/kg  
**SAR(1 g) = 0.306 W/kg; SAR(10 g) = 0.235 W/kg**  
Maximum value of SAR (measured) = 0.349 W/kg



0 dB = 0.349 W/kg = -4.57 dBW/kg

## WCDMA Band IV

Frequency: 1732.6 MHz; Duty Cycle: 1:1; Room Ambient Temperature: 24.0°C; Liquid Temperature: 23.0°C  
 Medium parameters used (interpolated):  $f = 1732.6 \text{ MHz}$ ;  $\sigma = 1.308 \text{ S/m}$ ;  $\epsilon_r = 39.549$ ;  $\rho = 1000 \text{ kg/m}^3$

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 Sn1259; Calibrated: 2/7/2013
- Probe: EX3DV3 - SN3531; ConvF(9, 9, 9); Calibrated: 11/15/2012;
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Phantom: SAM; Type: QD000P40CD; Serial: 1629

**LHS/Touch\_Rel 99\_RMC\_ch 1413/Area Scan (8x11x1):** Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 0.622 W/kg

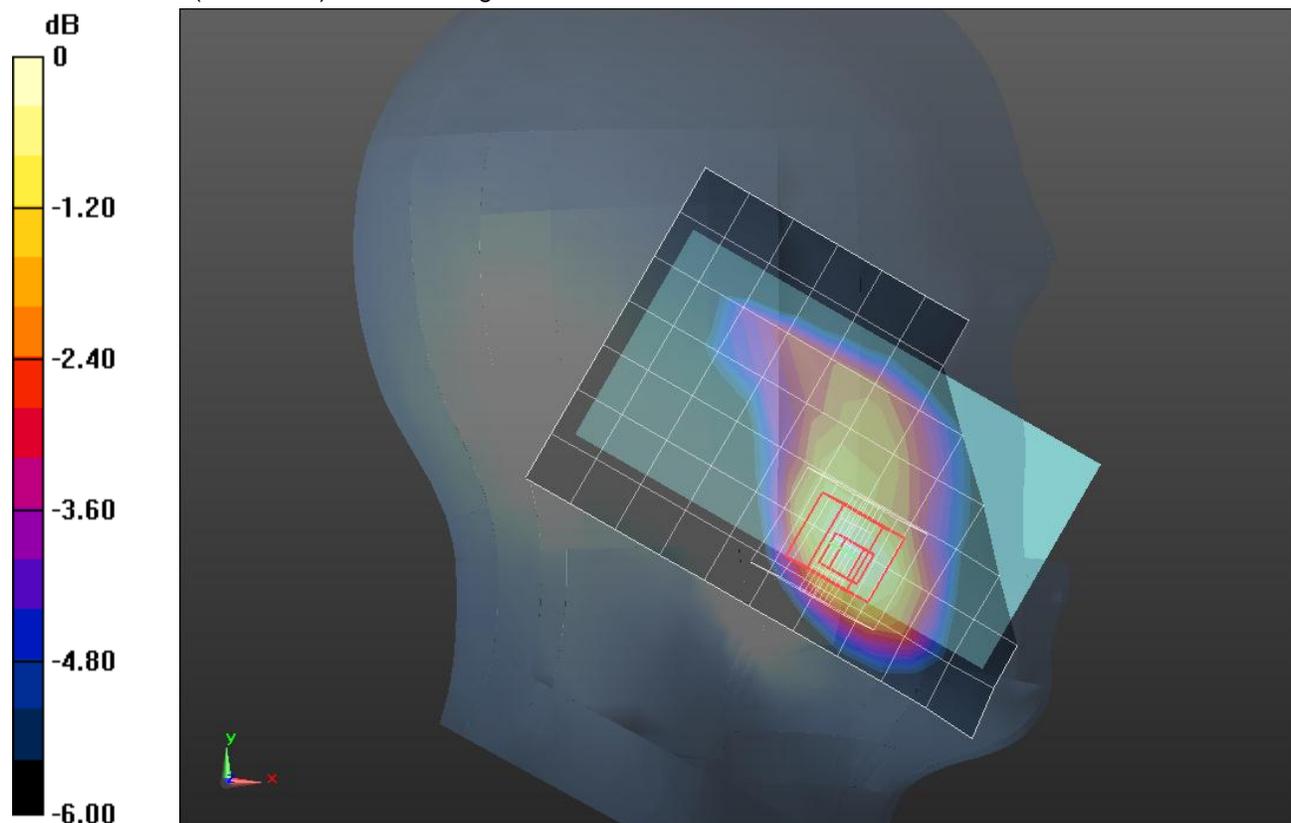
**LHS/Touch\_Rel 99\_RMC\_ch 1413/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 22.041 V/m; Power Drift = -0.00 dB

Peak SAR (extrapolated) = 0.796 W/kg

**SAR(1 g) = 0.549 W/kg; SAR(10 g) = 0.363 W/kg**

Maximum value of SAR (measured) = 0.641 W/kg



0 dB = 0.641 W/kg = -1.93 dBW/kg

## WCDMA Band IV

Frequency: 1732.6 MHz; Duty Cycle: 1:1; Room Ambient Temperature: 24.0°C; Liquid Temperature: 23.0°C  
 Medium parameters used (interpolated):  $f = 1732.6 \text{ MHz}$ ;  $\sigma = 1.411 \text{ S/m}$ ;  $\epsilon_r = 52.631$ ;  $\rho = 1000 \text{ kg/m}^3$

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 Sn1259; Calibrated: 2/7/2013
- Probe: EX3DV3 - SN3531; ConvF(8.59, 8.59, 8.59); Calibrated: 11/15/2012;
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Phantom: ELI-B v5.0; Type: QDOVA002AA; Serial: TP:1195

**Rear/Rel 99\_RMC\_Ch 1413/Area Scan (8x13x1):** Measurement grid: dx=15mm, dy=15mm  
 Maximum value of SAR (measured) = 0.877 W/kg

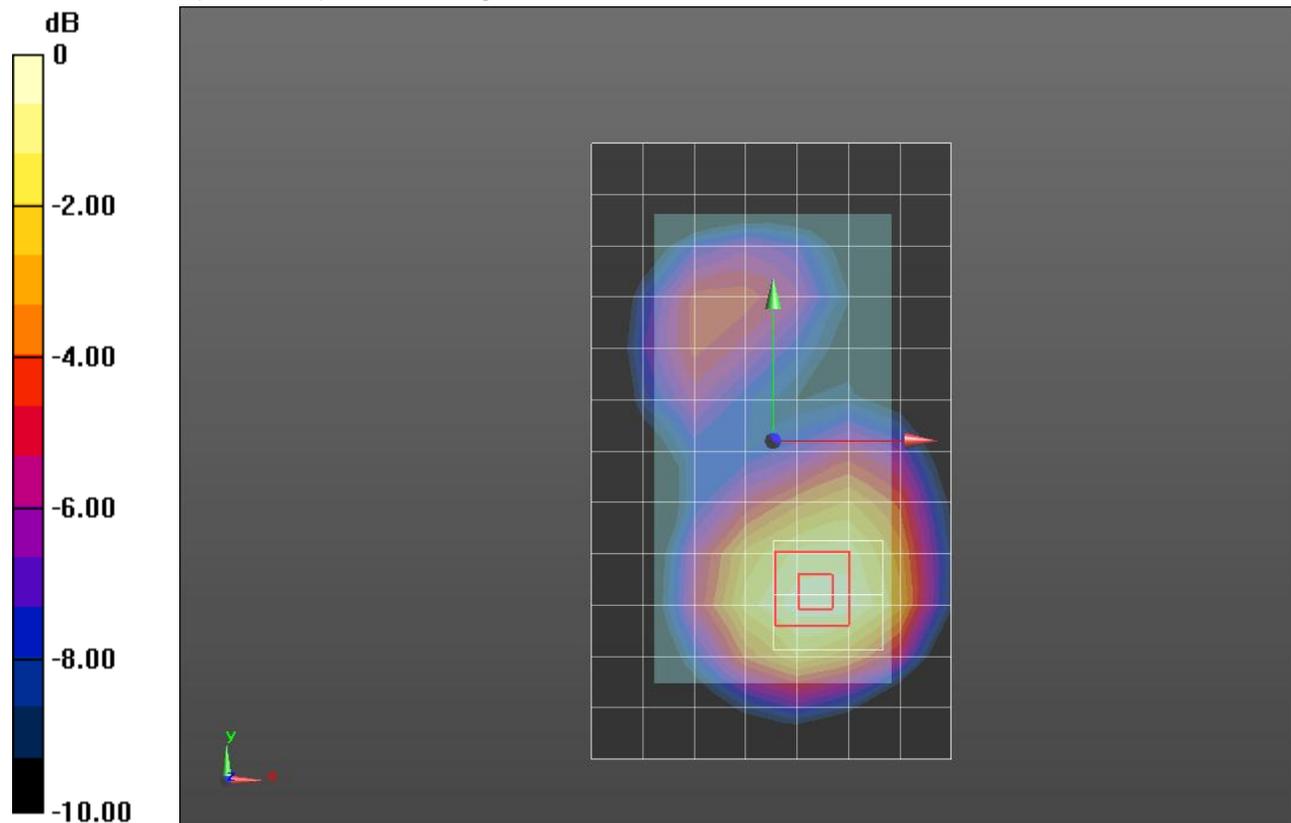
**Rear/Rel 99\_RMC\_Ch 1413/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 25.287 V/m; Power Drift = 0.00 dB

Peak SAR (extrapolated) = 1.12 W/kg

**SAR(1 g) = 0.779 W/kg; SAR(10 g) = 0.518 W/kg**

Maximum value of SAR (measured) = 0.932 W/kg



0 dB = 0.932 W/kg = -0.31 dBW/kg

## WCDMA Band II

Frequency: 1880 MHz; Duty Cycle: 1:1; Room Ambient Temperature: 24.0°C; Liquid Temperature: 23.0°C  
 Medium parameters used:  $f = 1880 \text{ MHz}$ ;  $\sigma = 1.378 \text{ S/m}$ ;  $\epsilon_r = 40.118$ ;  $\rho = 1000 \text{ kg/m}^3$

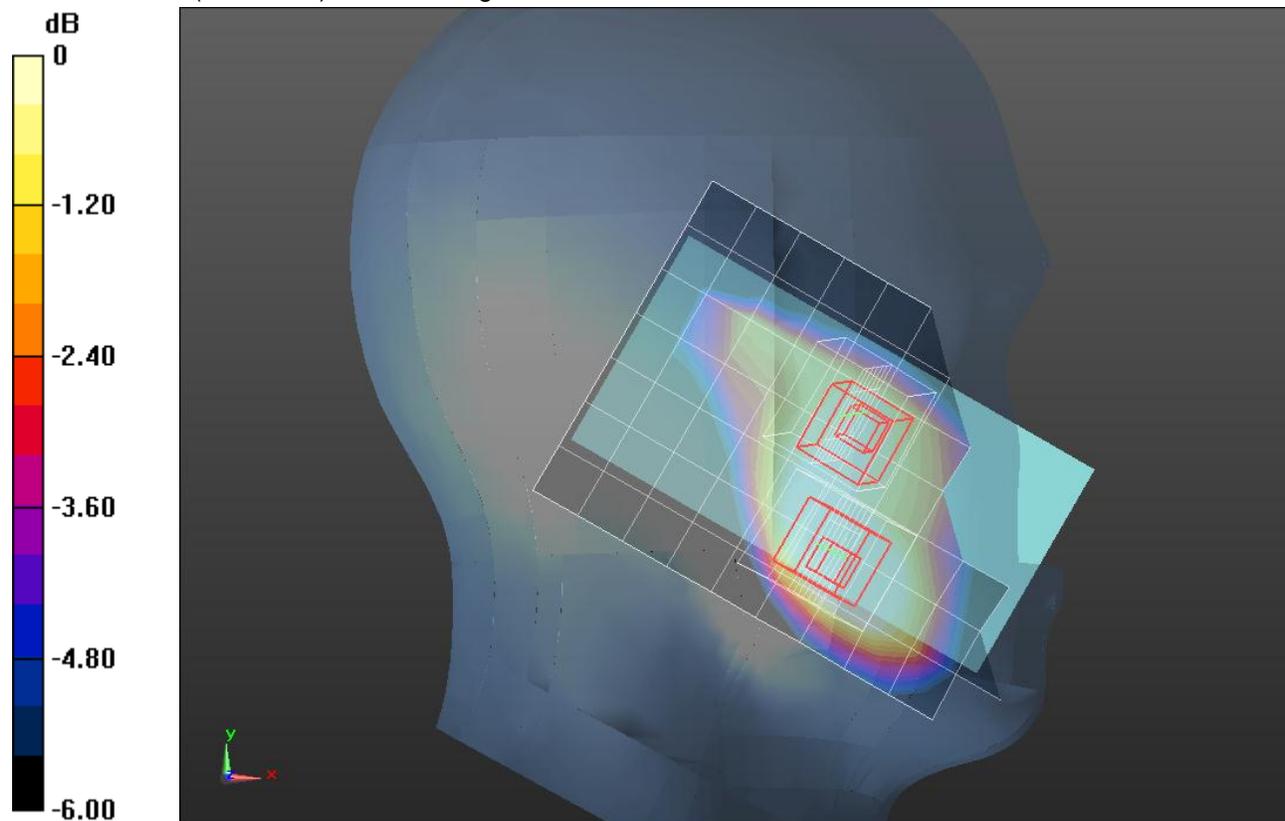
DASY5 Configuration:

- Area Scan Setting: Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.0012W/kg
- Electronics: DAE4 Sn1259; Calibrated: 2/7/2013
- Probe: EX3DV3 - SN3531; ConvF(8.55, 8.55, 8.55); Calibrated: 11/15/2012;
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Phantom: SAM; Type: QD000P40CD; Serial: 1629

**LHS/Touch\_Rel 99\_RMC\_ch 9400/Area Scan (8x11x1):** Measurement grid: dx=15mm, dy=15mm  
 Maximum value of SAR (measured) = 0.735 W/kg

**LHS/Touch\_Rel 99\_RMC\_ch 9400/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm  
 Reference Value = 22.407 V/m; Power Drift = -0.01 dB  
 Peak SAR (extrapolated) = 0.984 W/kg  
**SAR(1 g) = 0.653 W/kg; SAR(10 g) = 0.414 W/kg**  
 Maximum value of SAR (measured) = 0.761 W/kg

**LHS/Touch\_Rel 99\_RMC\_ch 9400/Zoom Scan (5x5x7)/Cube 1:** Measurement grid: dx=8mm, dy=8mm, dz=5mm  
 Reference Value = 22.407 V/m; Power Drift = -0.01 dB  
 Peak SAR (extrapolated) = 0.600 W/kg  
**SAR(1 g) = 0.423 W/kg; SAR(10 g) = 0.294 W/kg**  
 Maximum value of SAR (measured) = 0.498 W/kg



0 dB = 0.498 W/kg = -3.03 dBW/kg

## WCDMA Band II

Frequency: 1907.6 MHz; Duty Cycle: 1:1; Room Ambient Temperature: 24.0°C; Liquid Temperature: 23.0°C  
 Medium parameters used (interpolated):  $f = 1907.6 \text{ MHz}$ ;  $\sigma = 1.515 \text{ S/m}$ ;  $\epsilon_r = 51.849$ ;  $\rho = 1000 \text{ kg/m}^3$

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 Sn1259; Calibrated: 2/7/2013
- Probe: EX3DV3 - SN3531; ConvF(8.12, 8.12, 8.12); Calibrated: 11/15/2012;
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Phantom: ELI-A v5.0; Type: QDOVA002AA; Serial: TP 1194

**Rear IC/Rel 99\_RMC\_Ch 9538/Area Scan (8x13x1):** Measurement grid: dx=15mm, dy=15mm  
 Maximum value of SAR (measured) = 0.914 W/kg

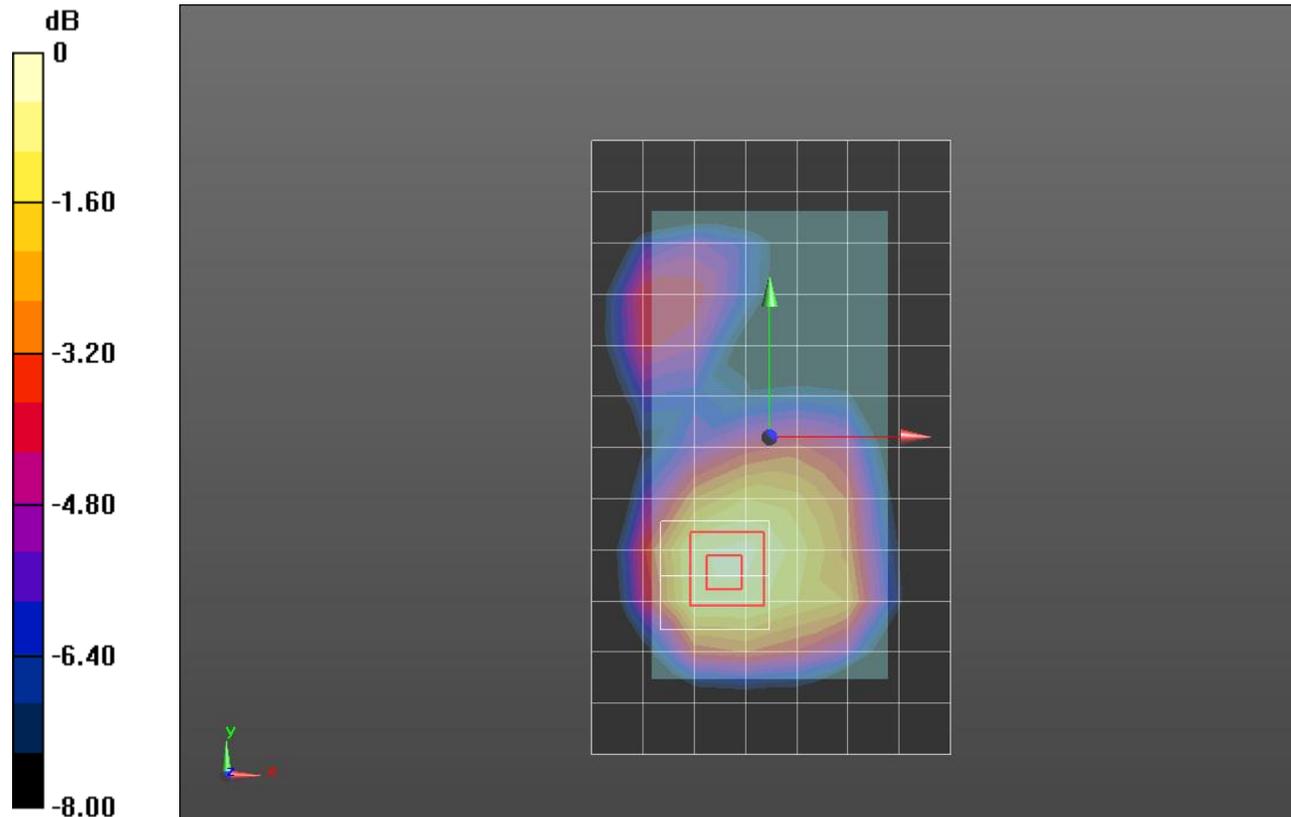
**Rear IC/Rel 99\_RMC\_Ch 9538/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 24.736 V/m; Power Drift = -0.01 dB

Peak SAR (extrapolated) = 1.19 W/kg

**SAR(1 g) = 0.821 W/kg; SAR(10 g) = 0.540 W/kg**

Maximum value of SAR (measured) = 0.984 W/kg



0 dB = 0.984 W/kg = -0.07 dBW/kg

## CDMA BC0\_1xEVDO

Frequency: 836.52 MHz; Duty Cycle: 1:1; Room Ambient Temperature: 24.0°C; Liquid Temperature: 23.0°C  
Medium parameters used (interpolated):  $f = 836.52$  MHz;  $\sigma = 1.015$  S/m;  $\epsilon_r = 53.94$ ;  $\rho = 1000$  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 Sn1259; Calibrated: 2/7/2013
- Probe: EX3DV3 - SN3531; ConvF(10.2, 10.2, 10.2); Calibrated: 11/15/2012;
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Phantom: SAM; Type: QD000P40CD; Serial: 1629

**RHS/Touch\_1xEVDO\_Rel.0\_Ch.384/Area Scan (8x12x1):** Measurement grid: dx=15mm, dy=15mm

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

Maximum value of SAR (measured) = 0.513 W/kg

**RHS/Touch\_1xEVDO\_Rel.0\_Ch.384/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

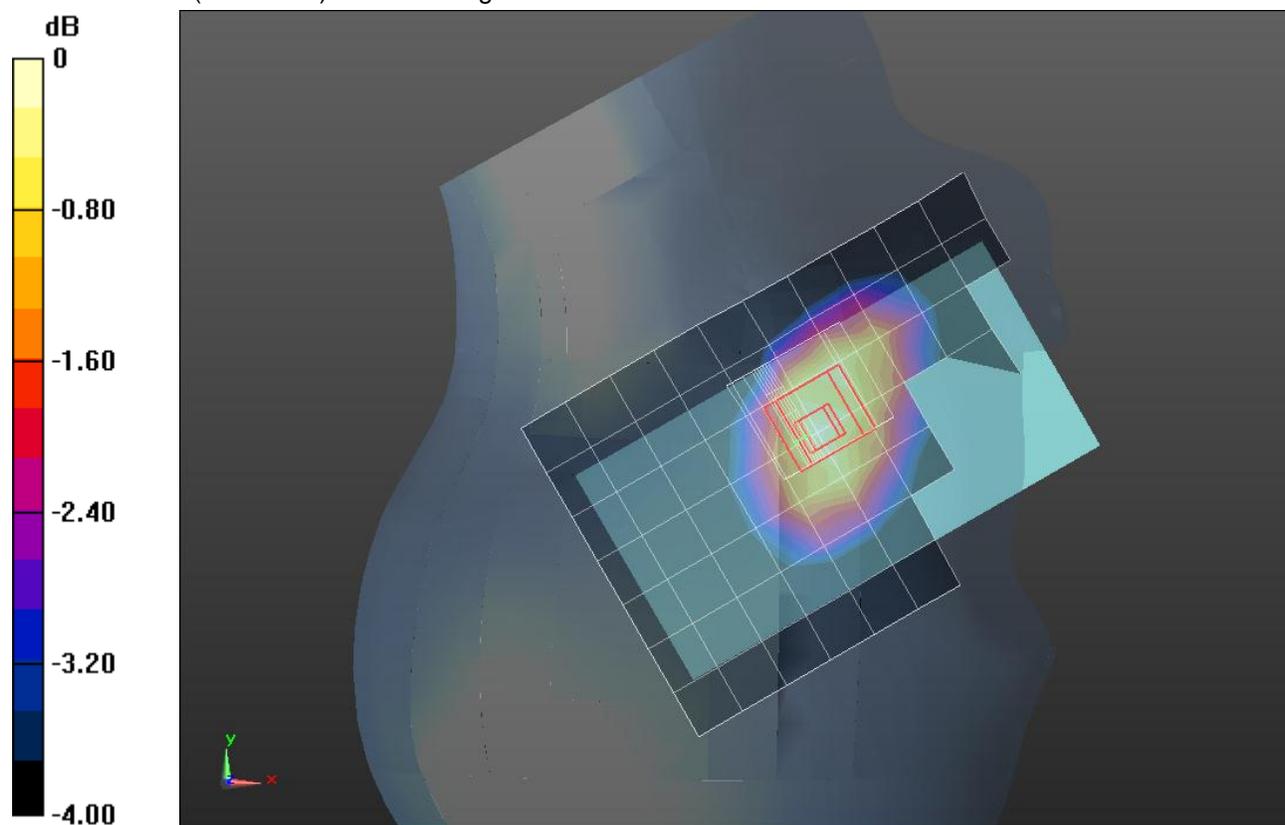
Reference Value = 21.710 V/m; Power Drift = -0.07 dB

Peak SAR (extrapolated) = 0.595 W/kg

**SAR(1 g) = 0.477 W/kg; SAR(10 g) = 0.361 W/kg**

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

Maximum value of SAR (measured) = 0.530 W/kg



0 dB = 0.530 W/kg = -2.76 dBW/kg

## CDMA BC0\_1xEVDO

Frequency: 836.52 MHz; Duty Cycle: 1:1; Room Ambient Temperature: 24.0°C; Liquid Temperature: 23.0°C  
Medium parameters used (interpolated):  $f = 836.52$  MHz;  $\sigma = 1.015$  S/m;  $\epsilon_r = 53.94$ ;  $\rho = 1000$  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 Sn1259; Calibrated: 2/7/2013
- Probe: EX3DV3 - SN3531; ConvF(10.2, 10.2, 10.2); Calibrated: 11/15/2012;
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Phantom: ELI-B v5.0; Type: QDOVA002AA; Serial: TP:1195

**Rear/1xEVDO\_Rel.0\_Ch.384/Area Scan (8x13x1):** Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 0.528 W/kg

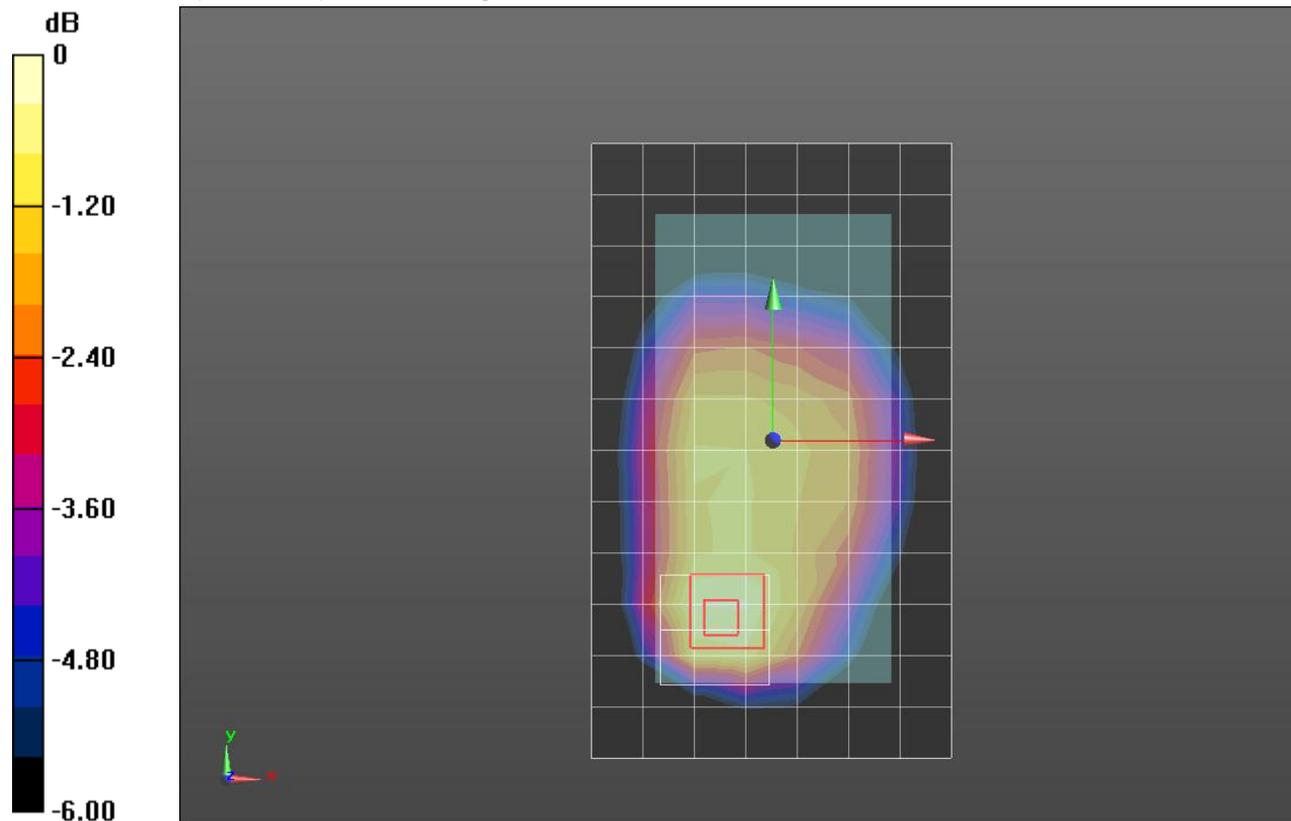
**Rear/1xEVDO\_Rel.0\_Ch.384/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 22.849 V/m; Power Drift = 0.00 dB

Peak SAR (extrapolated) = 0.677 W/kg

**SAR(1 g) = 0.489 W/kg; SAR(10 g) = 0.341 W/kg**

Maximum value of SAR (measured) = 0.569 W/kg



0 dB = 0.569 W/kg = -2.45 dBW/kg

## CDMA BC1\_1xRTT

Frequency: 1880 MHz; Duty Cycle: 1:1; Room Ambient Temperature: 24.0°C; Liquid Temperature: 23.0°C  
 Medium parameters used:  $f = 1880 \text{ MHz}$ ;  $\sigma = 1.378 \text{ S/m}$ ;  $\epsilon_r = 40.118$ ;  $\rho = 1000 \text{ kg/m}^3$

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 Sn1259; Calibrated: 2/7/2013
- Probe: EX3DV3 - SN3531; ConvF(8.55, 8.55, 8.55); Calibrated: 11/15/2012;
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Phantom: SAM; Type: QD000P40CD; Serial: 1629

**LHS/Touch\_1xRTT\_RC3/3\_SO 55\_Ch.600/Area Scan (8x11x1):** Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 0.736 W/kg

**LHS/Touch\_1xRTT\_RC3/3\_SO 55\_Ch.600/Zoom Scan (5x5x7)/Cube 0:** Measurement grid:

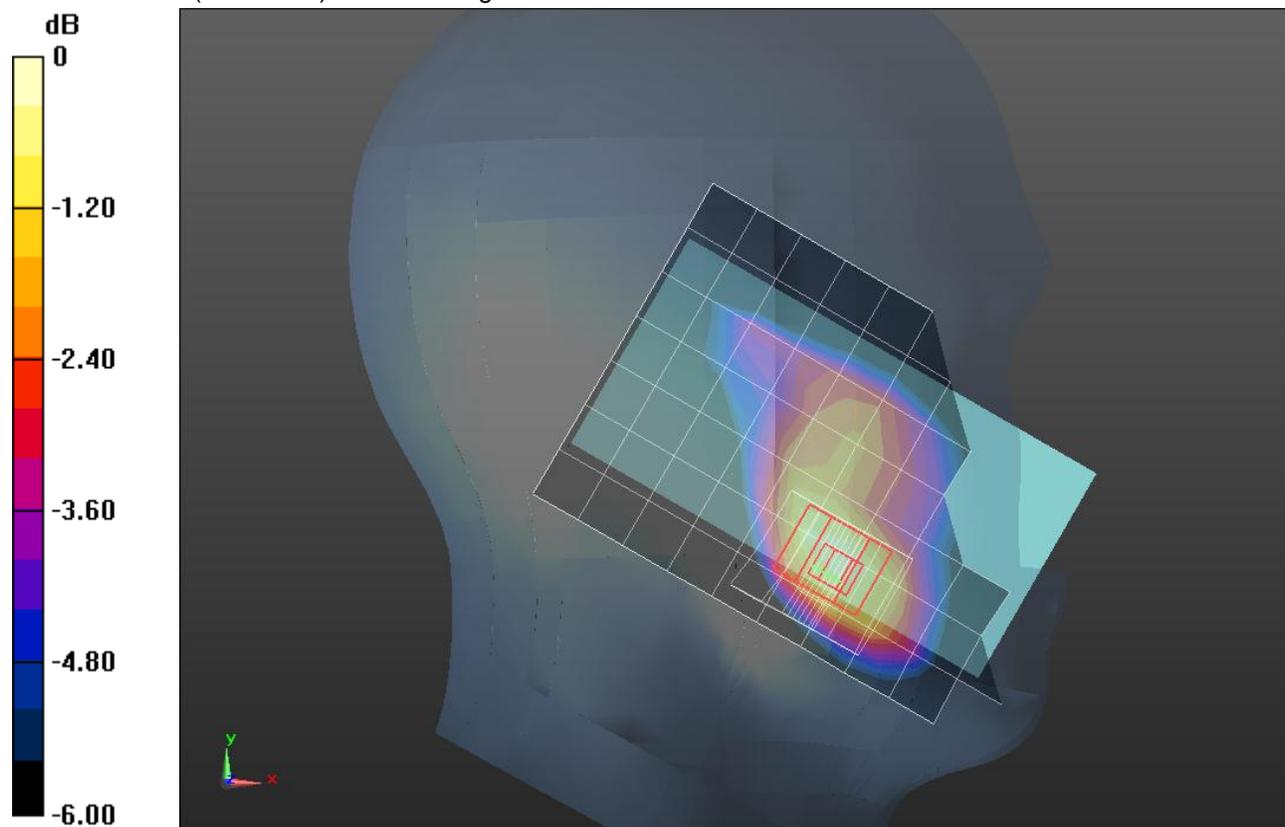
dx=8mm, dy=8mm, dz=5mm

Reference Value = 22.816 V/m; Power Drift = 0.03 dB

Peak SAR (extrapolated) = 0.994 W/kg

**SAR(1 g) = 0.672 W/kg; SAR(10 g) = 0.430 W/kg**

Maximum value of SAR (measured) = 0.810 W/kg



0 dB = 0.810 W/kg = -0.92 dBW/kg

## CDMA BC1\_1xEVDO

Frequency: 1880 MHz; Duty Cycle: 1:1; Room Ambient Temperature: 24.0°C; Liquid Temperature: 23.0°C  
 Medium parameters used:  $f = 1880 \text{ MHz}$ ;  $\sigma = 1.491 \text{ S/m}$ ;  $\epsilon_r = 52.049$ ;  $\rho = 1000 \text{ kg/m}^3$

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 Sn1259; Calibrated: 2/7/2013
- Probe: EX3DV3 - SN3531; ConvF(8.12, 8.12, 8.12); Calibrated: 11/15/2012;
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Phantom: ELI-B v5.0; Type: QDOVA002AA; Serial: TP:1195

**Rear/1xEVDO\_Rel.0\_Ch.600/Area Scan (8x13x1):** Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 1.04 W/kg

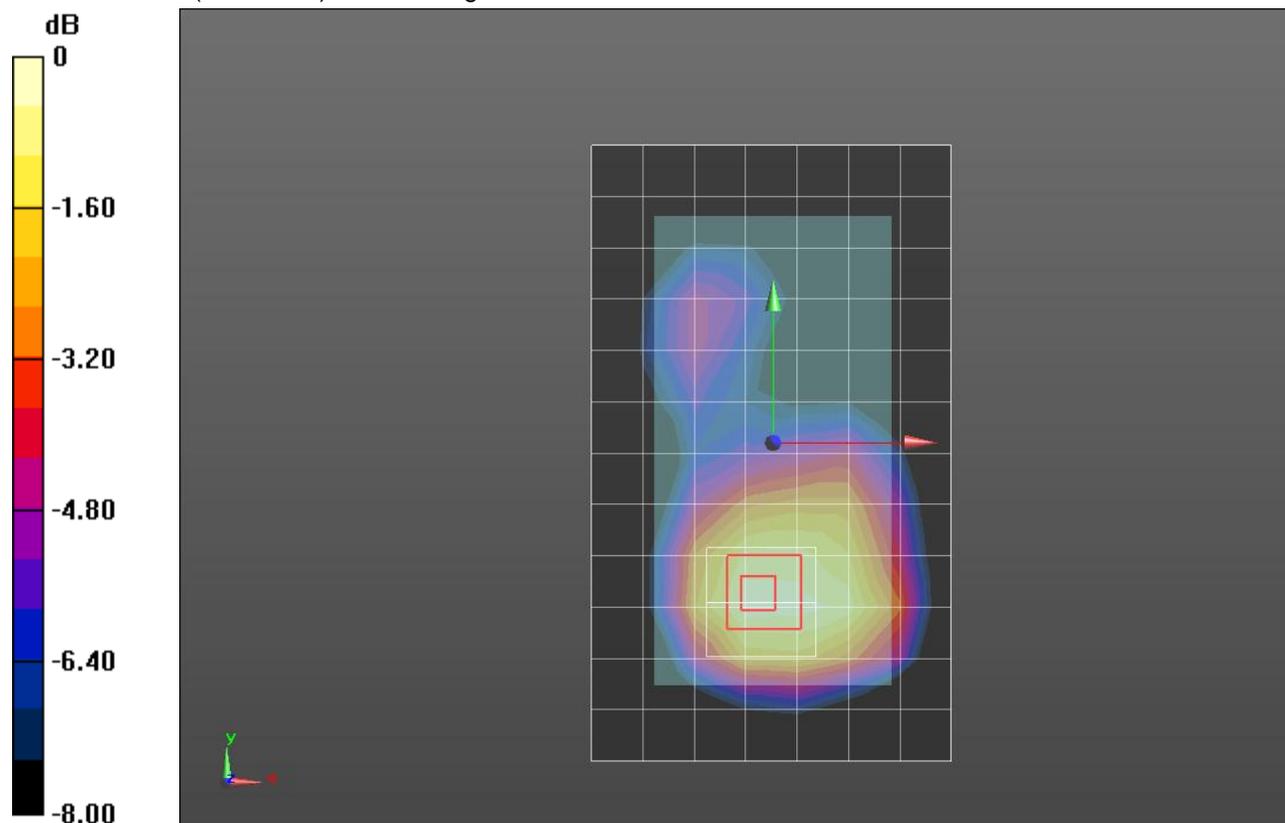
**Rear/1xEVDO\_Rel.0\_Ch.600/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 26.715 V/m; Power Drift = 0.06 dB

Peak SAR (extrapolated) = 1.32 W/kg

**SAR(1 g) = 0.910 W/kg; SAR(10 g) = 0.597 W/kg**

Maximum value of SAR (measured) = 1.08 W/kg



0 dB = 1.08 W/kg = 0.33 dBW/kg

## CDMA BC10\_1xEVDO

Frequency: 820.5 MHz; Duty Cycle: 1:1; Room Ambient Temperature: 24.0°C; Liquid Temperature: 23.0°C  
Medium parameters used (interpolated):  $f = 820.5$  MHz;  $\sigma = 0.999$  S/m;  $\epsilon_r = 54.104$ ;  $\rho = 1000$  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 Sn1259; Calibrated: 2/7/2013
- Probe: EX3DV3 - SN3531; ConvF(10.2, 10.2, 10.2); Calibrated: 11/15/2012;
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Phantom: SAM; Type: QD000P40CD; Serial: 1629

**RHS/Touch\_1xEVDO\_Rel.0\_Ch.580/Area Scan (8x12x1):** Measurement grid: dx=15mm, dy=15mm

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

Maximum value of SAR (measured) = 0.452 W/kg

**RHS/Touch\_1xEVDO\_Rel.0\_Ch.580/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

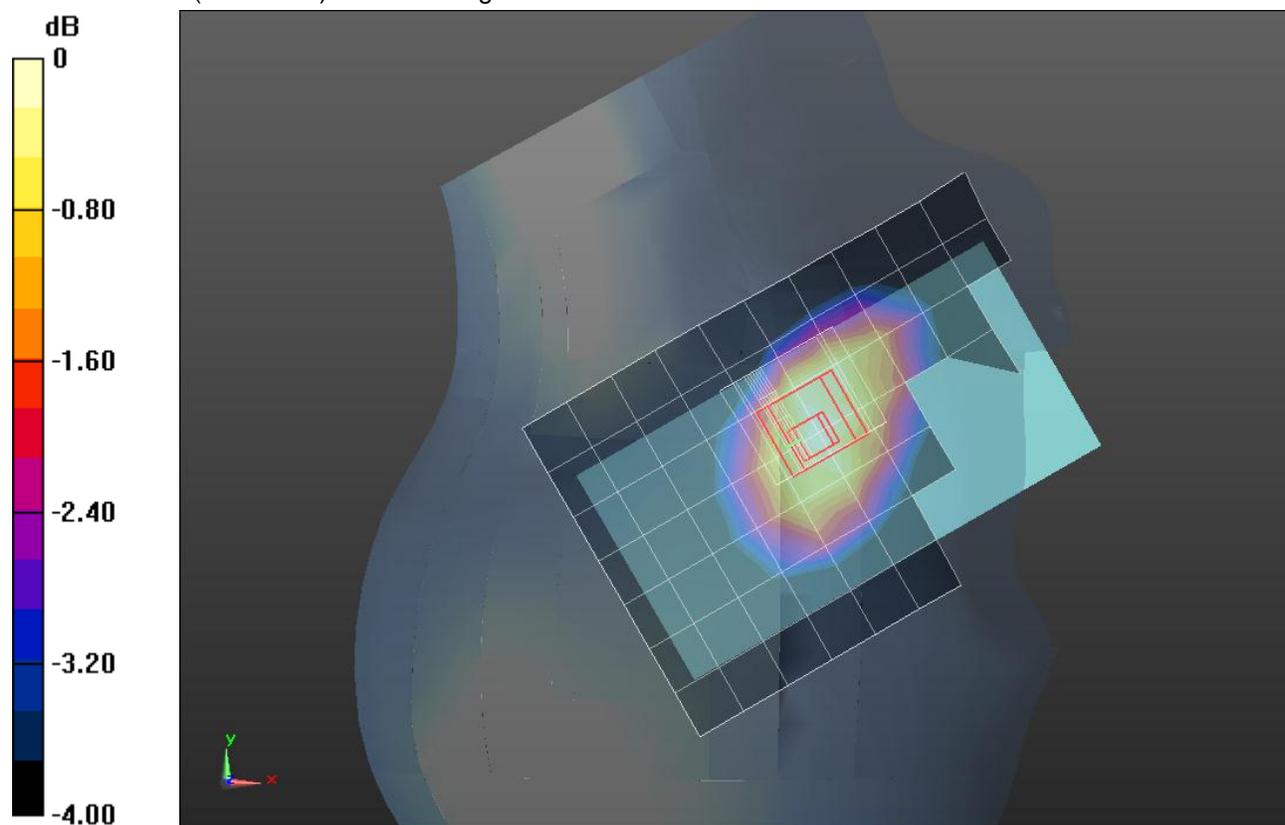
Reference Value = 20.288 V/m; Power Drift = 0.00 dB

Peak SAR (extrapolated) = 0.500 W/kg

**SAR(1 g) = 0.403 W/kg; SAR(10 g) = 0.305 W/kg**

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

Maximum value of SAR (measured) = 0.447 W/kg



0 dB = 0.447 W/kg = -3.50 dBW/kg

## CDMA BC10\_1xRTT

Frequency: 820.5 MHz; Duty Cycle: 1:1; Room Ambient Temperature: 24.0°C; Liquid Temperature: 23.0°C  
Medium parameters used (interpolated):  $f = 820.5$  MHz;  $\sigma = 0.941$  S/m;  $\epsilon_r = 53.759$ ;  $\rho = 1000$  kg/m<sup>3</sup>

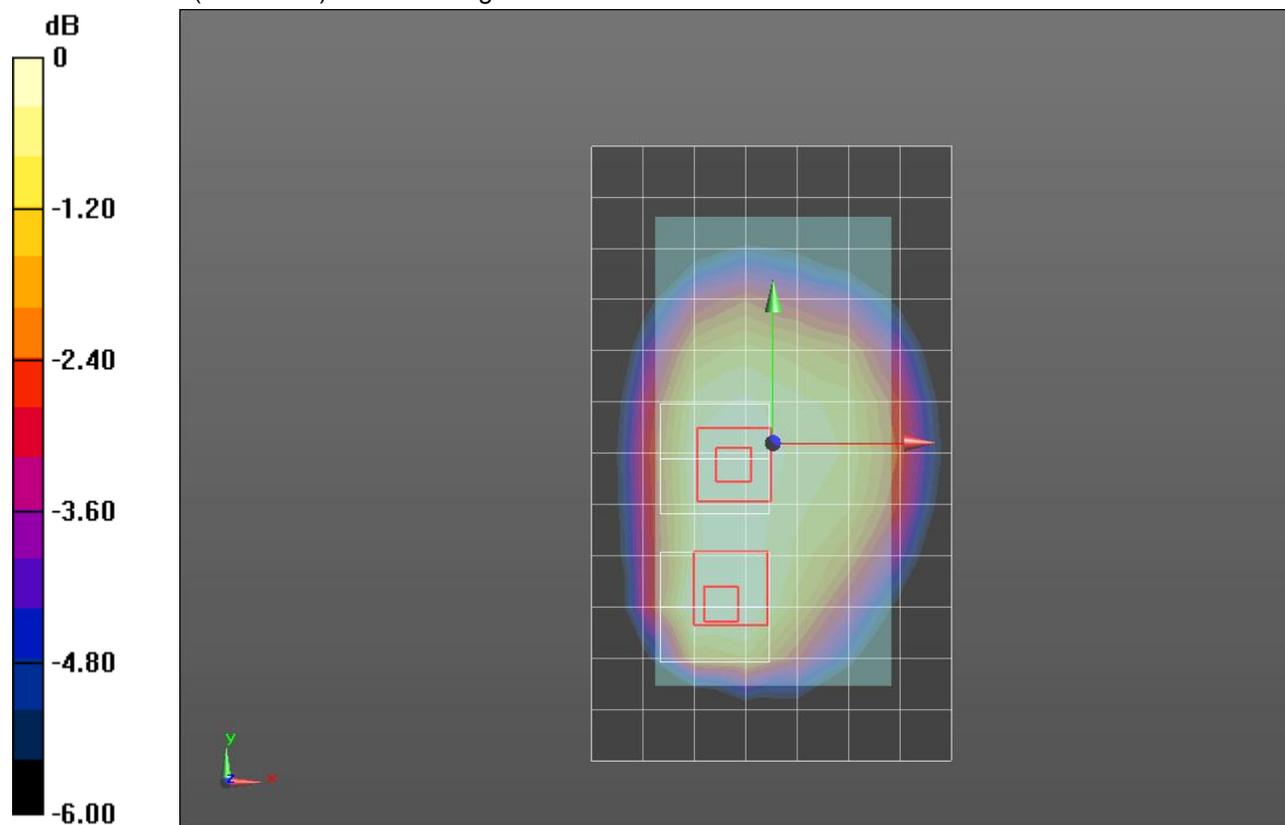
DASY5 Configuration:

- Area Scan Setting: Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.0012W/kg
- Electronics: DAE4 Sn1259; Calibrated: 2/7/2013
- Probe: EX3DV3 - SN3531; ConvF(10.2, 10.2, 10.2); Calibrated: 11/15/2012;
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Phantom: ELI-B v5.0; Type: QDOVA002AA; Serial: TP:1195

**Rear/1xRTT\_RC3/3\_SO32\_Ch.580 2/Area Scan (8x13x1):** Measurement grid: dx=15mm, dy=15mm  
Maximum value of SAR (measured) = 0.484 W/kg

**Rear/1xRTT\_RC3/3\_SO32\_Ch.580 2/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm  
Reference Value = 22.691 V/m; Power Drift = -0.05 dB  
Peak SAR (extrapolated) = 0.609 W/kg  
**SAR(1 g) = 0.440 W/kg; SAR(10 g) = 0.313 W/kg**  
Maximum value of SAR (measured) = 0.514 W/kg

**Rear/1xRTT\_RC3/3\_SO32\_Ch.580 2/Zoom Scan (5x5x7)/Cube 1:** Measurement grid: dx=8mm, dy=8mm, dz=5mm  
Reference Value = 22.691 V/m; Power Drift = -0.05 dB  
Peak SAR (extrapolated) = 0.535 W/kg  
**SAR(1 g) = 0.413 W/kg; SAR(10 g) = 0.315 W/kg**  
Maximum value of SAR (measured) = 0.466 W/kg



0 dB = 0.466 W/kg = -3.32 dBW/kg

## LTE Band 4

Frequency: 1732.5 MHz; Duty Cycle: 1:1; Room Ambient Temperature: 24.0°C; Liquid Temperature: 23.0°C  
 Medium parameters used (interpolated):  $f = 1732.5 \text{ MHz}$ ;  $\sigma = 1.359 \text{ mho/m}$ ;  $\epsilon_r = 39.949$ ;  $\rho = 1000 \text{ kg/m}^3$

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 Sn1343; Calibrated: 8/20/2012
- Probe: EX3DV4 - SN3749; ConvF(7.71, 7.71, 7.71); Calibrated: 1/15/2013;
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Phantom: SAM v5.0 (B); Type: QD000P40CD; Serial: 1628

**LHS/Touch\_QPSK\_RB 1/50\_ch 20175/Area Scan (8x12x1):** Measurement grid: dx=15mm, dy=15mm

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

Maximum value of SAR (measured) = 0.563 W/kg

**LHS/Touch\_QPSK\_RB 1/50\_ch 20175/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

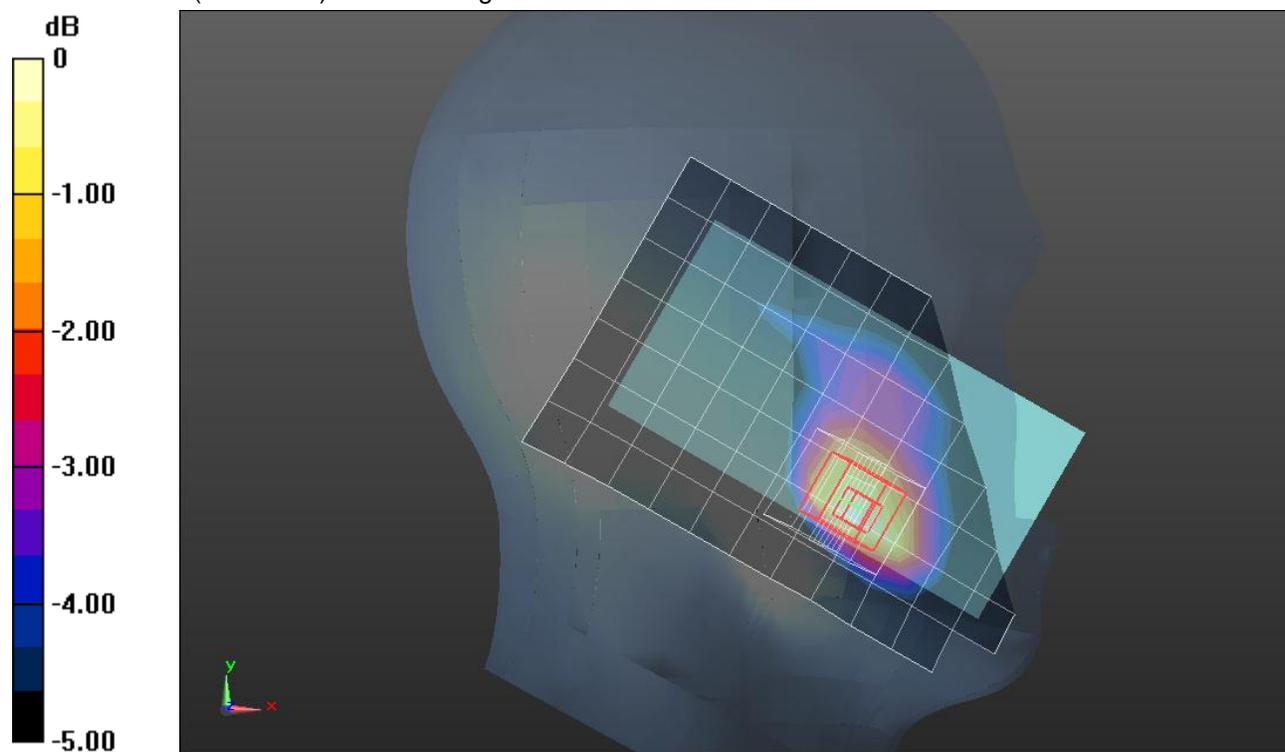
Reference Value = 20.344 V/m; Power Drift = -0.06 dB

Peak SAR (extrapolated) = 0.715 W/kg

**SAR(1 g) = 0.474 W/kg; SAR(10 g) = 0.298 W/kg**

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

Maximum value of SAR (measured) = 0.570 W/kg



0 dB = 0.570 W/kg = -2.44 dBW/kg

## LTE Band 4

Frequency: 1732.5 MHz; Duty Cycle: 1:1; Room Ambient Temperature: 24.0°C; Liquid Temperature: 23.0°C  
 Medium parameters used (interpolated):  $f = 1732.5$  MHz;  $\sigma = 1.436$  mho/m;  $\epsilon_r = 52.698$ ;  $\rho = 1000$  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 Sn1343; Calibrated: 8/20/2012
- Probe: EX3DV4 - SN3749; ConvF(7.36, 7.36, 7.36); Calibrated: 1/15/2013;
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Phantom: ELI v5.0 (A); Type: QDOVA001BB; Serial: 1119

**Rear/QPSK\_RB 1/50 \_Ch 20175/Area Scan (8x13x1):** Measurement grid: dx=15mm, dy=15mm

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

Maximum value of SAR (measured) = 0.805 W/kg

**Rear/QPSK\_RB 1/50 \_Ch 20175/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

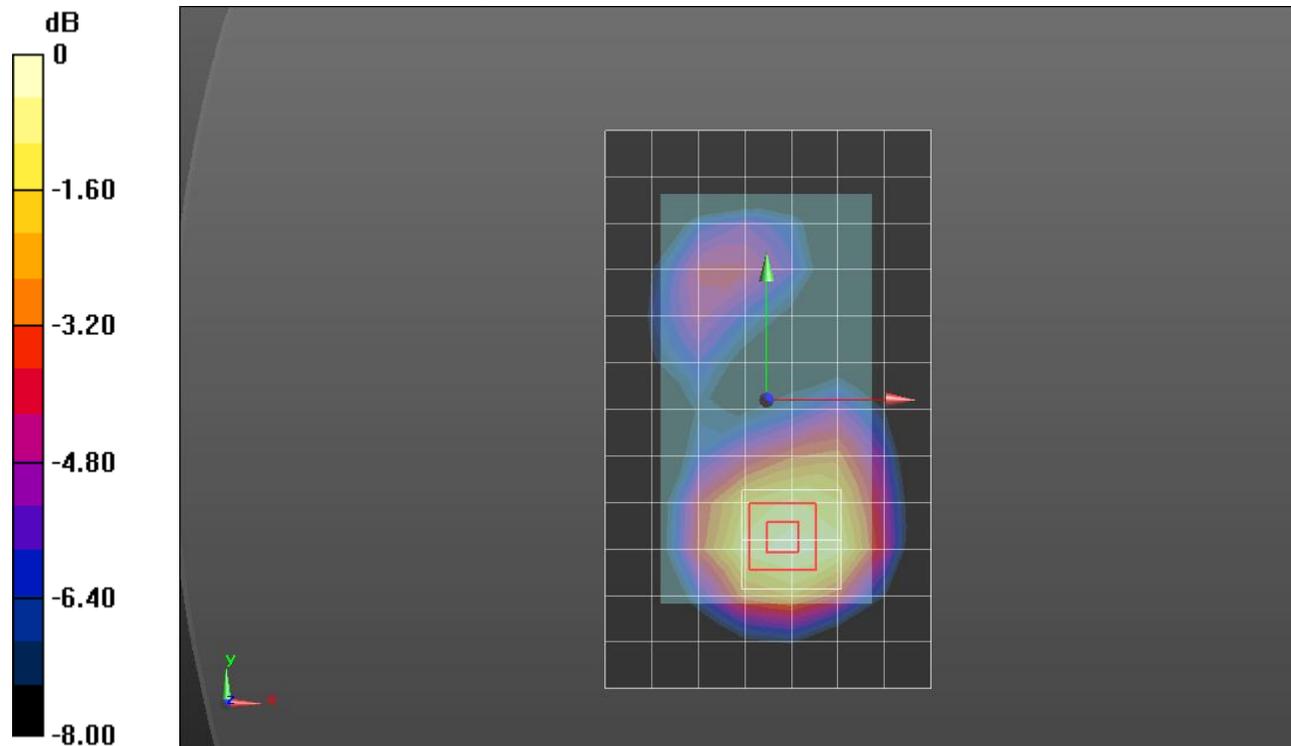
Reference Value = 23.935 V/m; Power Drift = 0.06 dB

Peak SAR (extrapolated) = 1.04 W/kg

**SAR(1 g) = 0.695 W/kg; SAR(10 g) = 0.449 W/kg**

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

Maximum value of SAR (measured) = 0.844 W/kg



0 dB = 0.844 W/kg = -0.74 dBW/kg

## LTE Band 5

Frequency: 836.5 MHz; Duty Cycle: 1:1; Room Ambient Temperature: 24.0°C; Liquid Temperature: 23.0°C  
Medium parameters used (interpolated):  $f = 836.5$  MHz;  $\sigma = 0.921$  S/m;  $\epsilon_r = 42.463$ ;  $\rho = 1000$  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 Sn1259; Calibrated: 2/7/2013
- Probe: EX3DV3 - SN3531; ConvF(10.08, 10.08, 10.08); Calibrated: 11/15/2012;
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Phantom: SAM; Type: QD000P40CD; Serial: 1629

**RHS/Touch\_QPSK\_RB 1/25\_ch 20525/Area Scan (8x12x1):** Measurement grid: dx=15mm, dy=15mm  
Maximum value of SAR (measured) = 0.321 W/kg

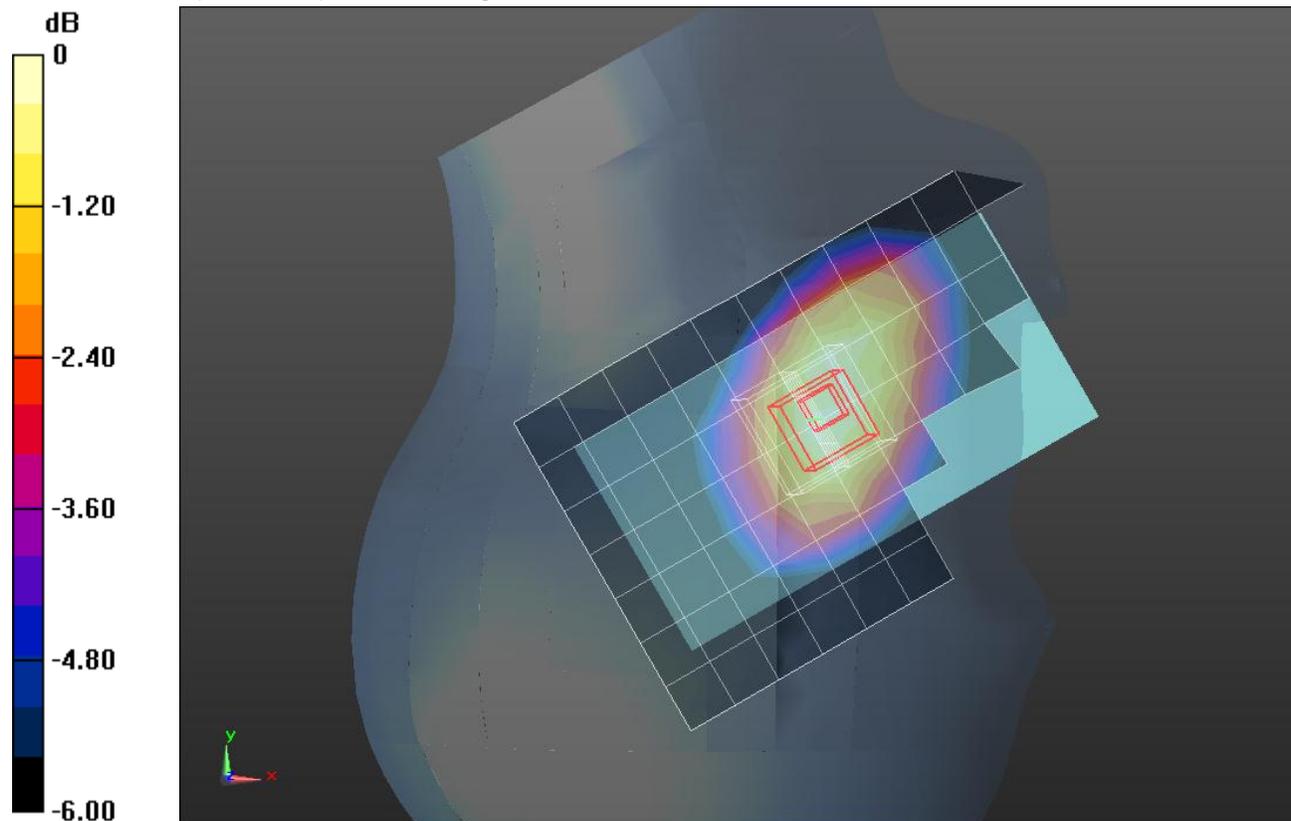
**RHS/Touch\_QPSK\_RB 1/25\_ch 20525/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 17.905 V/m; Power Drift = -0.01 dB

Peak SAR (extrapolated) = 0.381 W/kg

**SAR(1 g) = 0.301 W/kg; SAR(10 g) = 0.232 W/kg**

Maximum value of SAR (measured) = 0.335 W/kg



0 dB = 0.335 W/kg = -4.75 dBW/kg

## LTE Band 5

Frequency: 836.5 MHz; Duty Cycle: 1:1; Room Ambient Temperature: 24.0°C; Liquid Temperature: 23.0°C  
Medium parameters used (interpolated):  $f = 836.5$  MHz;  $\sigma = 1.015$  S/m;  $\epsilon_r = 54.232$ ;  $\rho = 1000$  kg/m<sup>3</sup>

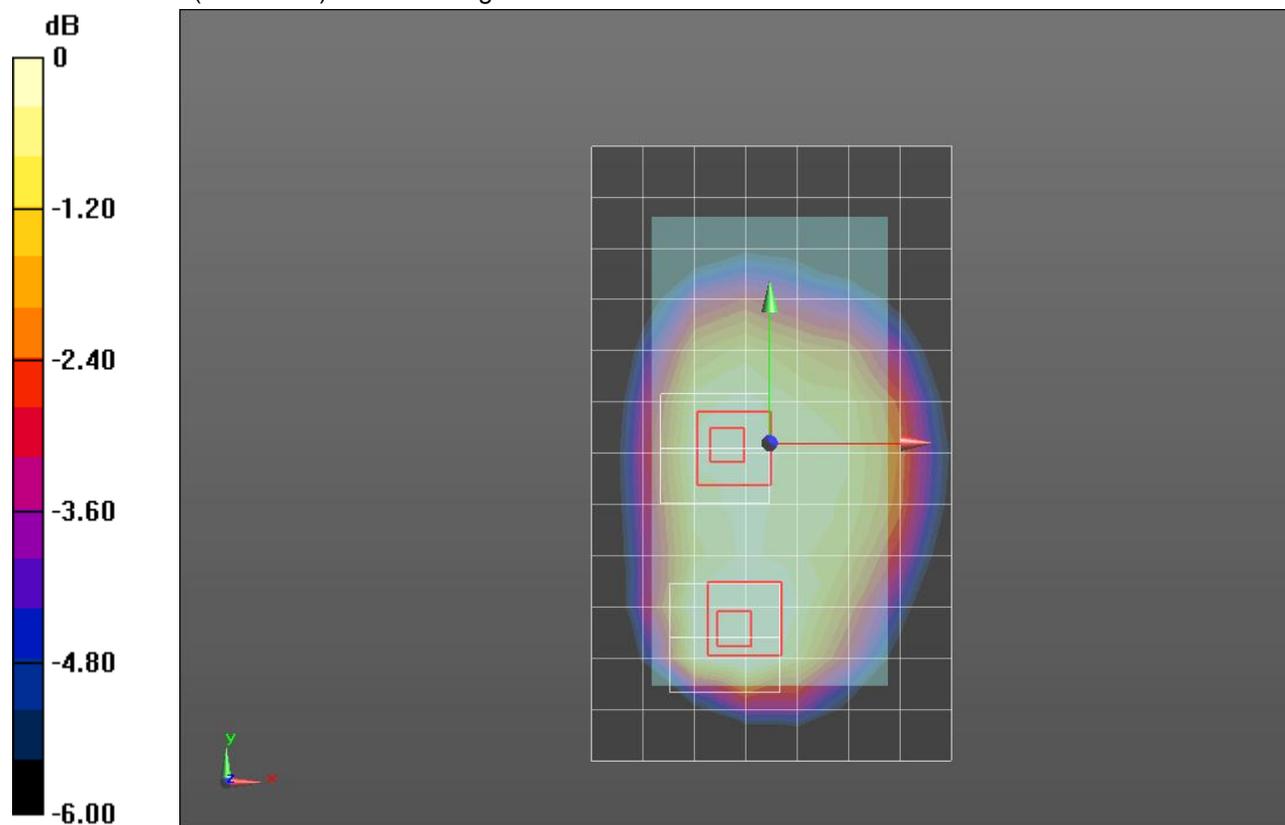
DASY5 Configuration:

- Area Scan Setting: Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.0012W/kg
- Electronics: DAE4 Sn1259; Calibrated: 2/7/2013
- Probe: EX3DV3 - SN3531; ConvF(10.2, 10.2, 10.2); Calibrated: 11/15/2012;
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Phantom: ELI-B v5.0; Type: QDOVA002AA; Serial: TP:1195

**Rear/QPSK\_RB 1/25 \_Ch 20525/Area Scan (8x13x1):** Measurement grid: dx=15mm, dy=15mm  
Maximum value of SAR (measured) = 0.389 W/kg

**Rear/QPSK\_RB 1/25 \_Ch 20525/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm  
Reference Value = 19.546 V/m; Power Drift = -0.09 dB  
Peak SAR (extrapolated) = 0.495 W/kg  
**SAR(1 g) = 0.350 W/kg; SAR(10 g) = 0.242 W/kg**  
Maximum value of SAR (measured) = 0.412 W/kg

**Rear/QPSK\_RB 1/25 \_Ch 20525/Zoom Scan (5x5x7)/Cube 1:** Measurement grid: dx=8mm, dy=8mm, dz=5mm  
Reference Value = 19.546 V/m; Power Drift = -0.09 dB  
Peak SAR (extrapolated) = 0.392 W/kg  
**SAR(1 g) = 0.294 W/kg; SAR(10 g) = 0.221 W/kg**  
Maximum value of SAR (measured) = 0.339 W/kg



0 dB = 0.339 W/kg = -4.70 dBW/kg

## LTE Band 17

Frequency: 710 MHz; Duty Cycle: 1:1; Room Ambient Temperature: 24.0°C; Liquid Temperature: 23.0°C  
 Medium parameters used:  $f = 710 \text{ MHz}$ ;  $\sigma = 0.863 \text{ mho/m}$ ;  $\epsilon_r = 41.156$ ;  $\rho = 1000 \text{ kg/m}^3$

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 Sn1343; Calibrated: 8/20/2012
- Probe: EX3DV4 - SN3749; ConvF(9.09, 9.09, 9.09); Calibrated: 1/15/2013;
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Phantom: SAM v5.0 (A); Type: QD000P40CD; Serial: 1602

**RHS/Touch\_QPSK\_RB 1/25\_ch 23790/Area Scan (8x12x1):** Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 0.208 W/kg

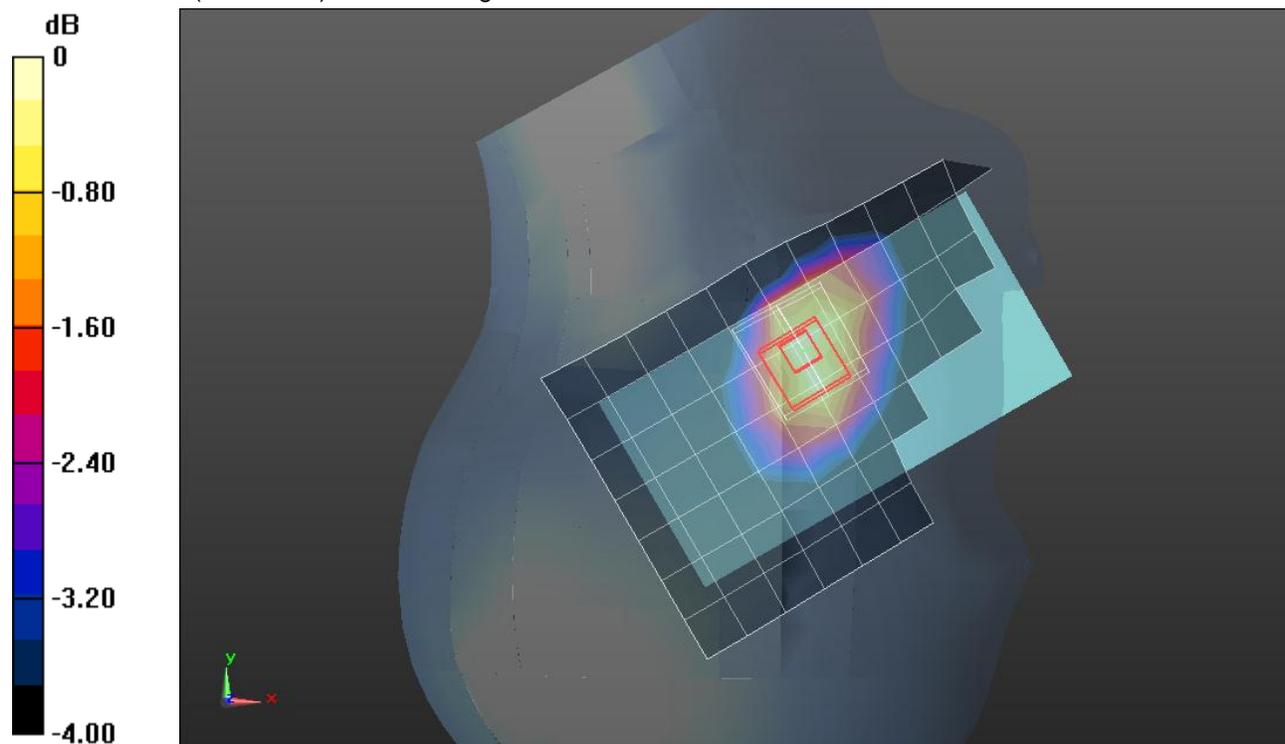
**RHS/Touch\_QPSK\_RB 1/25\_ch 23790/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 15.876 V/m; Power Drift = -0.05 dB

Peak SAR (extrapolated) = 0.249 W/kg

SAR(1 g) = 0.193 W/kg; SAR(10 g) = 0.147 W/kg

Maximum value of SAR (measured) = 0.222 W/kg



0 dB = 0.222 W/kg = -6.54 dBW/kg

## LTE Band 17

Frequency: 710 MHz; Duty Cycle: 1:1; Room Ambient Temperature: 24.0°C; Liquid Temperature: 23.0°C  
 Medium parameters used:  $f = 710 \text{ MHz}$ ;  $\sigma = 0.863 \text{ mho/m}$ ;  $\epsilon_r = 41.156$ ;  $\rho = 1000 \text{ kg/m}^3$

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 Sn1343; Calibrated: 8/20/2012
- Probe: EX3DV4 - SN3749; ConvF(9.09, 9.09, 9.09); Calibrated: 1/15/2013;
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Phantom: ELI v5.0 (B); Type: QDOVA001BB; Serial: 1118

**Rear/QPSK\_RB 1/25 \_Ch 23790/Area Scan (8x13x1):** Measurement grid: dx=15mm, dy=15mm  
 Maximum value of SAR (measured) = 0.303 W/kg

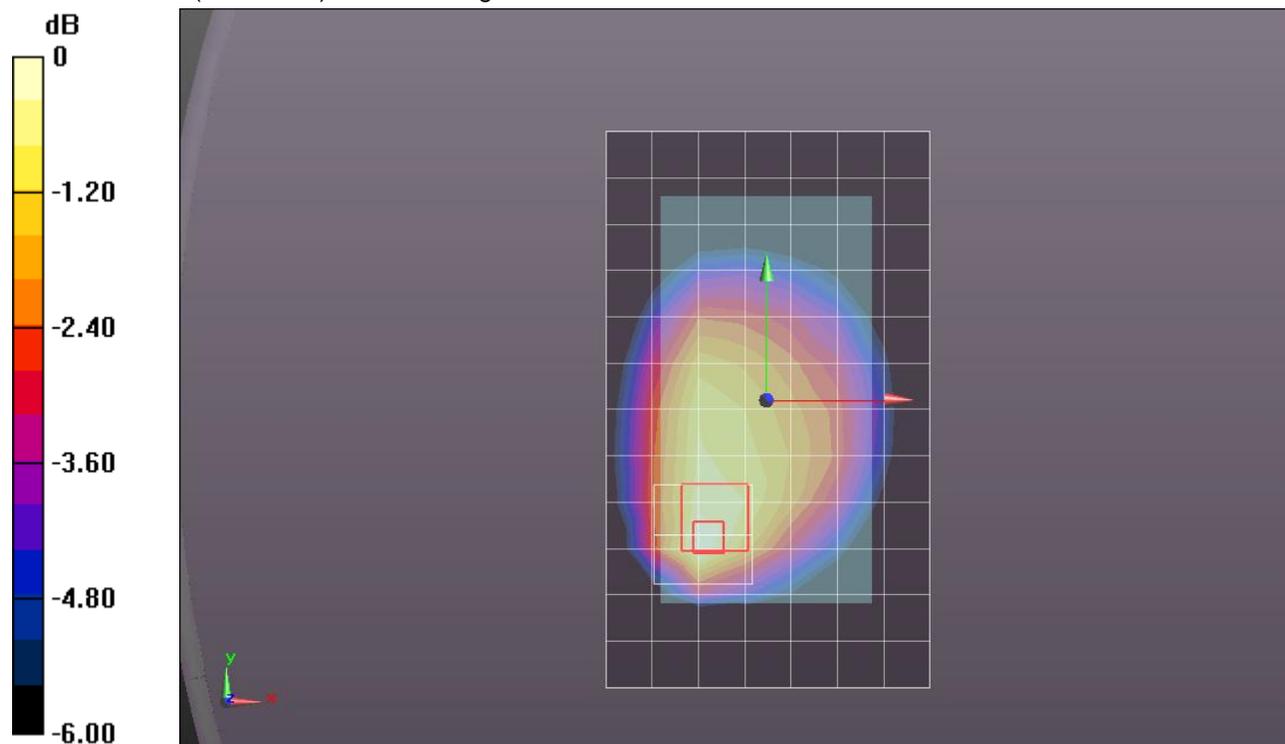
**Rear/QPSK\_RB 1/25 \_Ch 23790/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 19.066 V/m; Power Drift = -0.02 dB

Peak SAR (extrapolated) = 0.369 W/kg

**SAR(1 g) = 0.259 W/kg; SAR(10 g) = 0.182 W/kg**

Maximum value of SAR (measured) = 0.302 W/kg



0 dB = 0.302 W/kg = -5.20 dBW/kg

## LTE Band 17

Frequency: 710 MHz; Duty Cycle: 1:1; Room Ambient Temperature: 24.0°C; Liquid Temperature: 23.0°C  
Medium parameters used:  $f = 710$  MHz;  $\sigma = 0.936$  S/m;  $\epsilon_r = 56.352$ ;  $\rho = 1000$  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 Sn1259; Calibrated: 2/7/2013
- Probe: EX3DV4 - SN3929; ConvF(9.28, 9.28, 9.28); Calibrated: 6/24/2013;
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Phantom: ELI-B v5.0; Type: QDOVA002AA; Serial: TP:1195

**Edge 2/QPSK\_RB 1/25 \_Ch 23790/Area Scan (6x12x1):** Measurement grid: dx=15mm, dy=15mm  
Maximum value of SAR (measured) = 0.325 W/kg

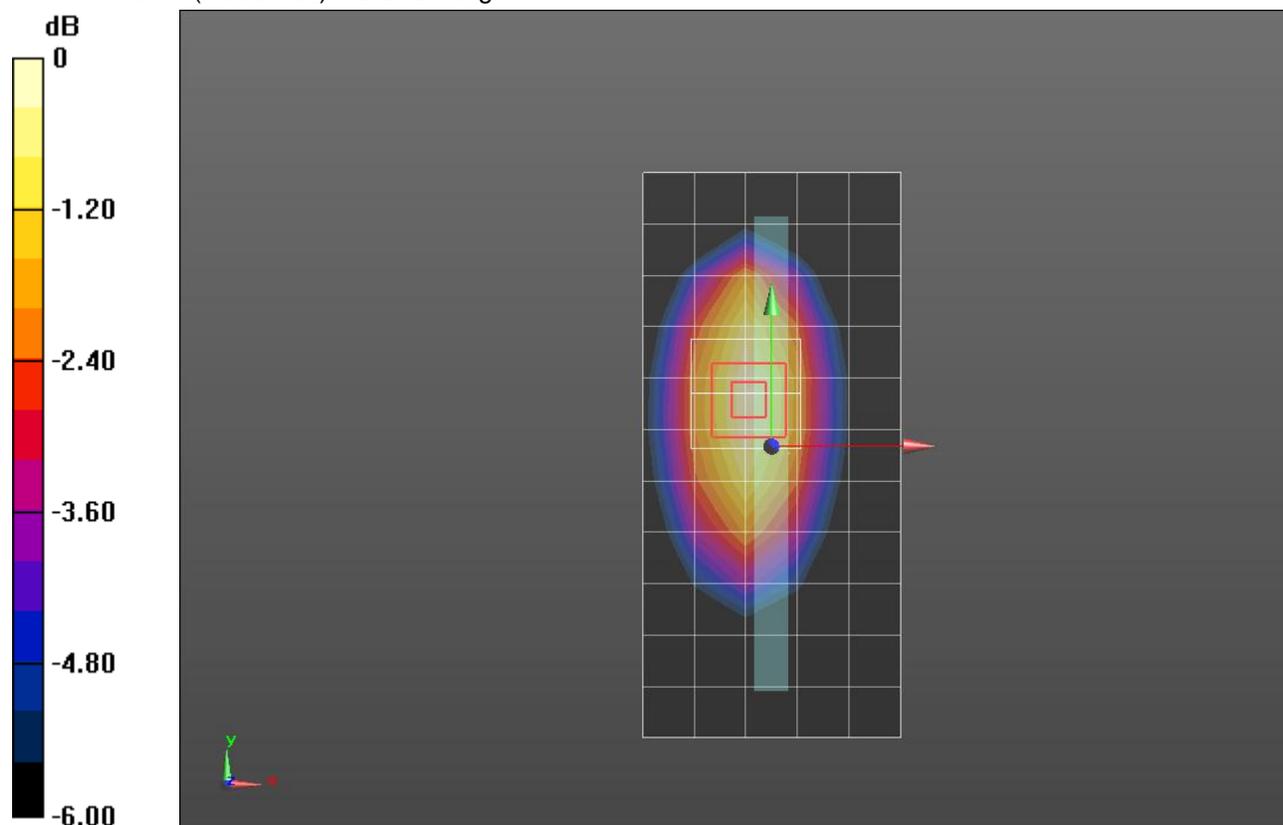
**Edge 2/QPSK\_RB 1/25 \_Ch 23790/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 18.884 V/m; Power Drift = 0.02 dB

Peak SAR (extrapolated) = 0.387 W/kg

**SAR(1 g) = 0.278 W/kg; SAR(10 g) = 0.194 W/kg**

Maximum value of SAR (measured) = 0.328 W/kg



0 dB = 0.328 W/kg = -4.84 dBW/kg

## LTE Band 25

Frequency: 1882.5 MHz; Duty Cycle: 1:1; Room Ambient Temperature: 24.0°C; Liquid Temperature: 23.0°C  
 Medium parameters used (interpolated):  $f = 1882.5$  MHz;  $\sigma = 1.388$  S/m;  $\epsilon_r = 39.726$ ;  $\rho = 1000$  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: DAE3 Sn427; Calibrated: 1/9/2013
- Probe: EX3DV4 - SN3751; ConvF(7.18, 7.18, 7.18); Calibrated: 11/15/2012;
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Phantom: SAM; Type: QD000P40CD; Serial: 1629

**LHS/Touch\_QPSK\_RB 1/59\_ch 26365/Area Scan (8x11x1):** Measurement grid: dx=15mm, dy=15mm

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

Maximum value of SAR (measured) = 0.977 W/kg

**LHS/Touch\_QPSK\_RB 1/59\_ch 26365/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 26.015 V/m; Power Drift = 0.06 dB

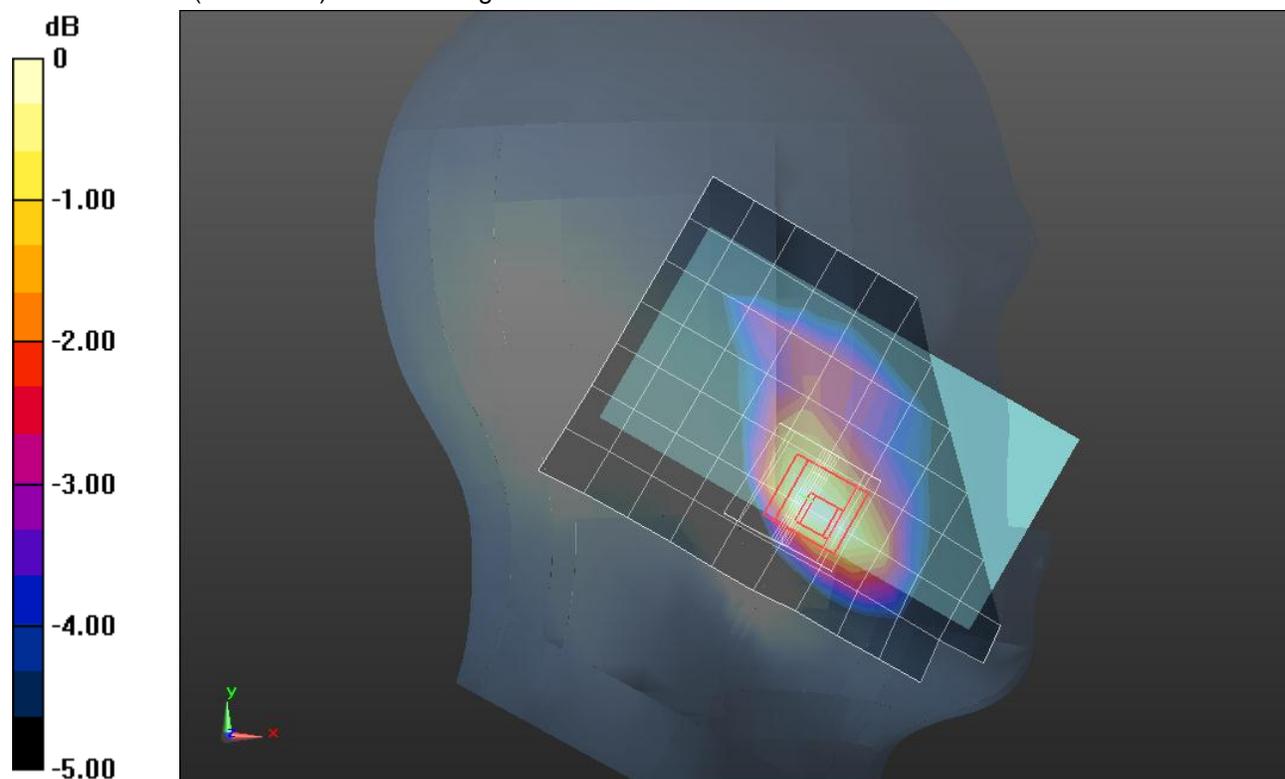
Peak SAR (extrapolated) = 1.24 W/kg

**SAR(1 g) = 0.792 W/kg; SAR(10 g) = 0.498 W/kg**

**SAR(1 g) = 0.792 W/kg; SAR(10 g) = 0.498 W/kg**

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

Maximum value of SAR (measured) = 0.944 W/kg



0 dB = 0.944 W/kg = -0.25 dBW/kg

## LTE Band 25

Frequency: 1882.5 MHz; Duty Cycle: 1:1; Room Ambient Temperature: 24.0°C; Liquid Temperature: 23.0°C  
 Medium parameters used (interpolated):  $f = 1882.5 \text{ MHz}$ ;  $\sigma = 1.502 \text{ S/m}$ ;  $\epsilon_r = 52.249$ ;  $\rho = 1000 \text{ kg/m}^3$

DASY5 Configuration:

- Area Scan Setting: Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.0012W/kg
- Electronics: DAE3 Sn427; Calibrated: 1/9/2013
- Probe: EX3DV4 - SN3751; ConvF(6.95, 6.95, 6.95); Calibrated: 11/15/2012;
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Phantom: ELI v5.0 (A); Type: QDOVA001BB; Serial: 1120

**Front/QPSK\_RB 1/59 \_Ch 26365/Area Scan (8x13x1):** Measurement grid: dx=15mm, dy=15mm

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

Maximum value of SAR (measured) = 0.924 W/kg

**Front/QPSK\_RB 1/59 \_Ch 26365/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

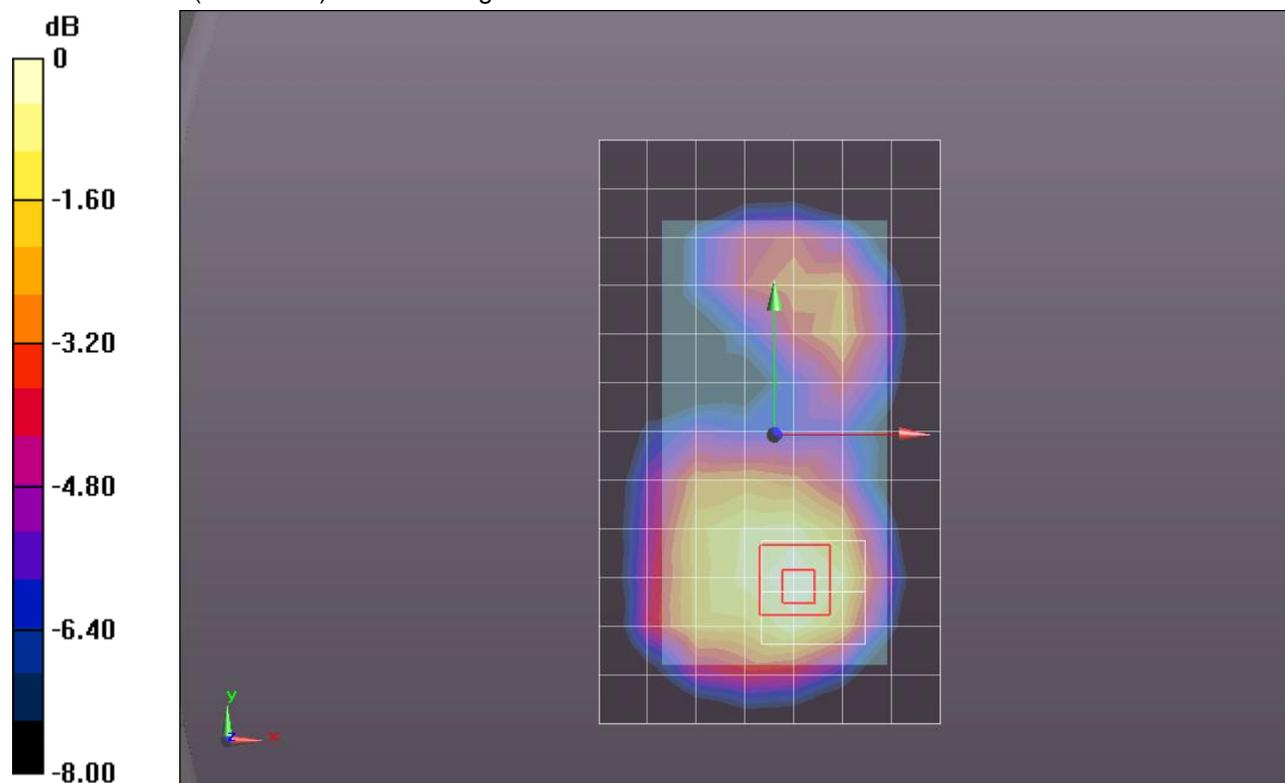
Reference Value = 25.229 V/m; Power Drift = -0.04 dB

Peak SAR (extrapolated) = 1.15 W/kg

**SAR(1 g) = 0.774 W/kg; SAR(10 g) = 0.501 W/kg**

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

Maximum value of SAR (measured) = 0.922 W/kg



0 dB = 0.922 W/kg = -0.35 dBW/kg

## LTE Band 26, BW 10MHz

Frequency: 831.5 MHz; Duty Cycle: 1:1; Room Ambient Temperature: 24.0°C; Liquid Temperature: 23.0°C  
 Medium parameters used (interpolated):  $f = 831.5 \text{ MHz}$ ;  $\sigma = 0.921 \text{ S/m}$ ;  $\epsilon_r = 41.492$ ;  $\rho = 1000 \text{ kg/m}^3$

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(8.77, 8.77, 8.77); Calibrated: 4/26/2013;
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Phantom: SAM with CRP; Type: SAM;

**RHS/Touch\_QPSK\_RB 1/25\_ch 26865/Area Scan (9x12x1):** Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 0.308 W/kg

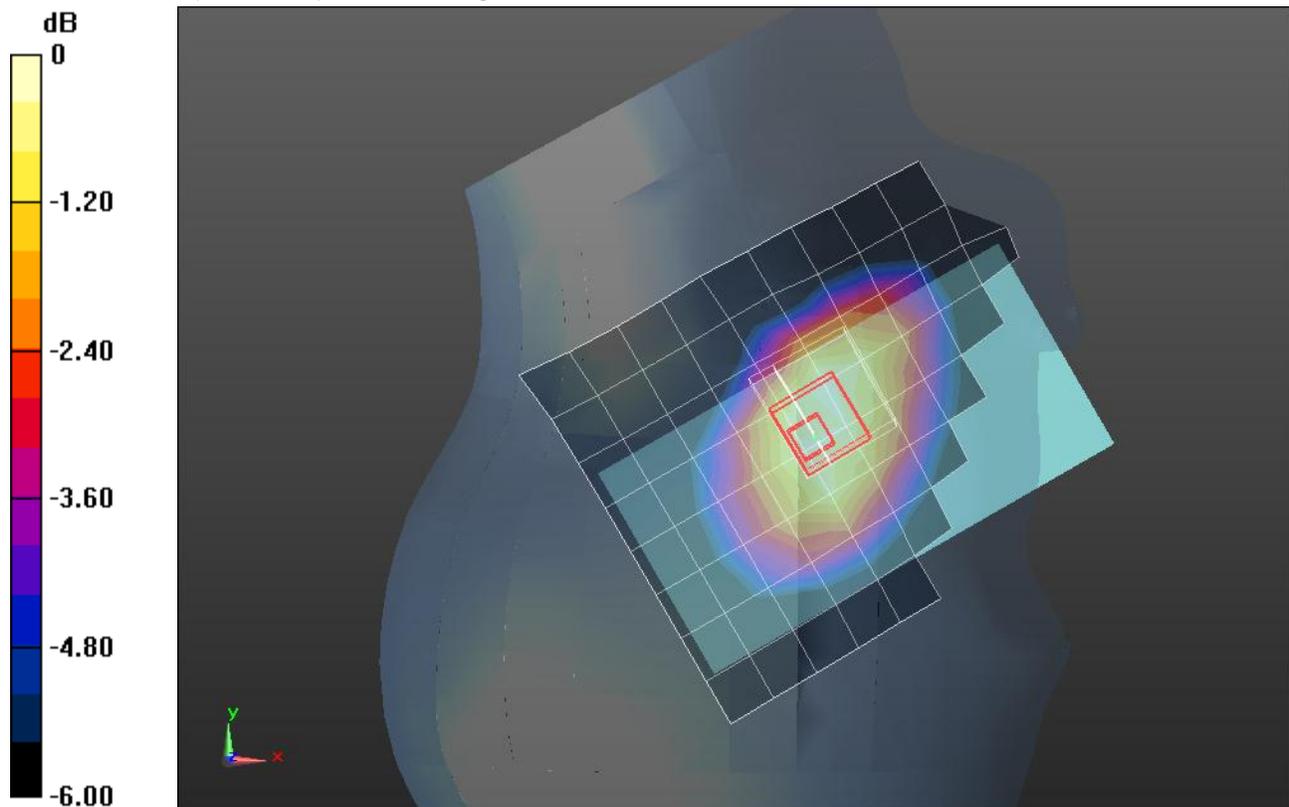
**RHS/Touch\_QPSK\_RB 1/25\_ch 26865/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 18.616 V/m; Power Drift = -0.00 dB

Peak SAR (extrapolated) = 0.360 W/kg

**SAR(1 g) = 0.284 W/kg; SAR(10 g) = 0.216 W/kg**

Maximum value of SAR (measured) = 0.318 W/kg



0 dB = 0.318 W/kg = -4.98 dBW/kg

## LTE Band 26

Frequency: 831.5 MHz; Duty Cycle: 1:1; Room Ambient Temperature: 24.0°C; Liquid Temperature: 23.0°C  
 Medium parameters used (interpolated):  $f = 831.5$  MHz;  $\sigma = 1.006$  S/m;  $\epsilon_r = 52.775$ ;  $\rho = 1000$  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: 2/8/2013
- Probe: EX3DV4 - SN3773; ConvF(8.78, 8.78, 8.78); Calibrated: 4/26/2013;
- 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/QPSK\_RB 1/25 \_Ch 26865/Area Scan (8x13x1):** Measurement grid: dx=15mm, dy=15mm  
 Maximum value of SAR (measured) = 0.399 W/kg

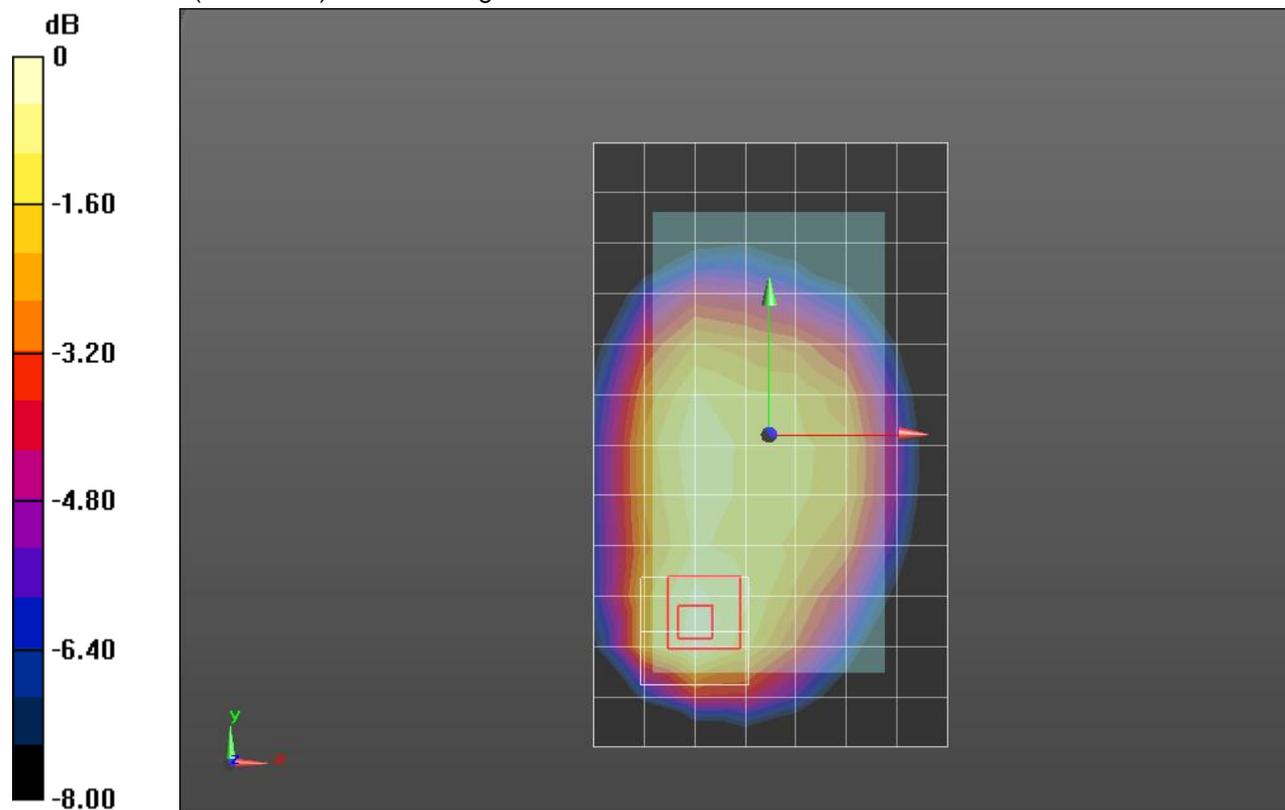
**Rear/QPSK\_RB 1/25 \_Ch 26865/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 20.307 V/m; Power Drift = -0.11 dB

Peak SAR (extrapolated) = 0.499 W/kg

**SAR(1 g) = 0.348 W/kg; SAR(10 g) = 0.241 W/kg**

Maximum value of SAR (measured) = 0.412 W/kg



0 dB = 0.412 W/kg = -3.85 dBW/kg

## 20130715\_LTE Band 41

Frequency: 2593 MHz; Duty Cycle: 1:1.59; Room Ambient Temperature: 24.0°C; Liquid Temperature: 23.0°C  
 Medium parameters used (interpolated):  $f = 2593$  MHz;  $\sigma = 2.047$  S/m;  $\epsilon_r = 38.276$ ;  $\rho = 1000$  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 Sn1259; Calibrated: 2/7/2013
- Probe: EX3DV4 - SN3929; ConvF(6.71, 6.71, 6.71); Calibrated: 6/24/2013;
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Phantom: SAM; Type: QD000P40CD; Serial: TP 1751

**LHS/Touch\_QPSK\_RB 1/99\_Ch. 40620/Area Scan (9x14x1):** Measurement grid: dx=12mm, dy=12mm  
 Maximum value of SAR (measured) = 0.546 W/kg

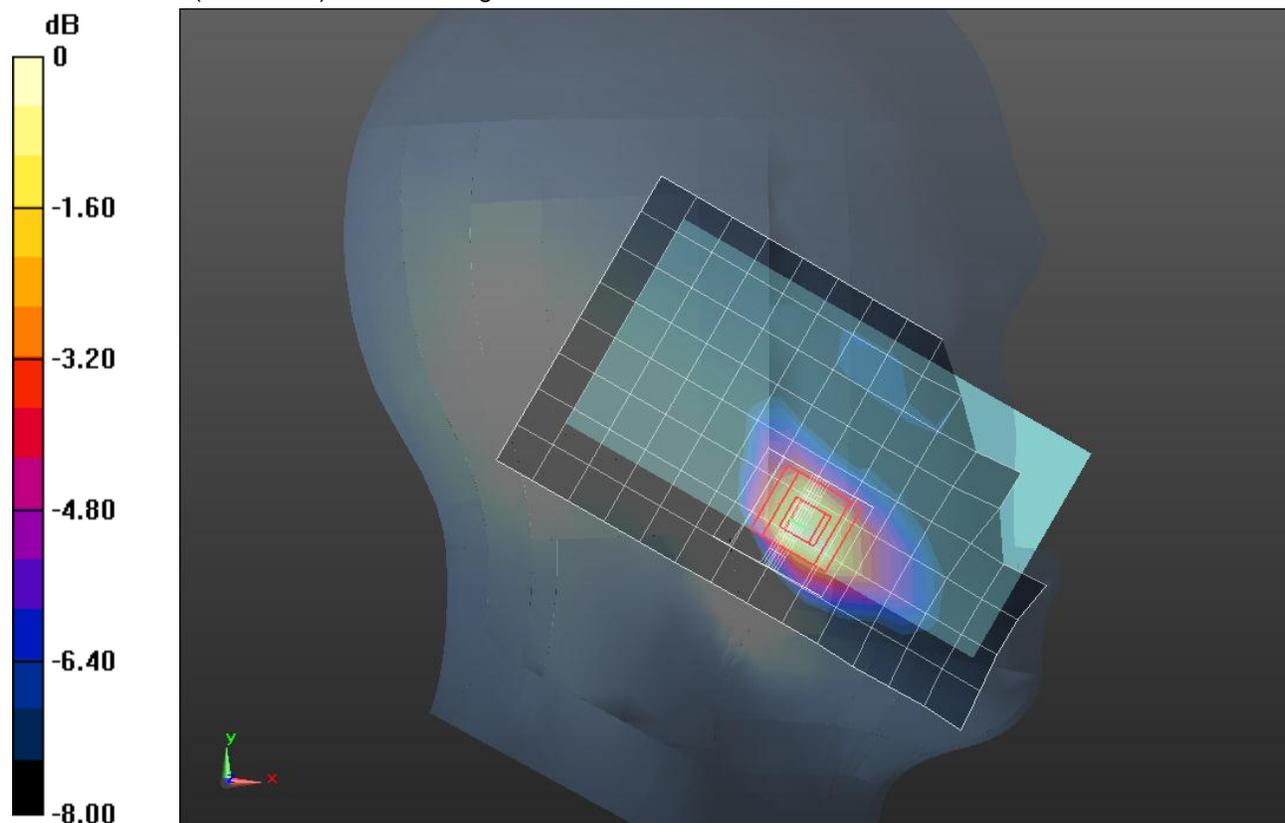
**LHS/Touch\_QPSK\_RB 1/99\_Ch. 40620/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 16.865 V/m; Power Drift = -0.11 dB

Peak SAR (extrapolated) = 0.907 W/kg

**SAR(1 g) = 0.481 W/kg; SAR(10 g) = 0.238 W/kg**

Maximum value of SAR (measured) = 0.653 W/kg



0 dB = 0.653 W/kg = -1.85 dBW/kg

## 20130716\_LTE Band 41

Frequency: 2636.5 MHz; Duty Cycle: 1:1.59; Room Ambient Temperature: 24.0°C; Liquid Temperature: 23.0°C  
 Medium parameters used (interpolated):  $f = 2636.5$  MHz;  $\sigma = 2.234$  S/m;  $\epsilon_r = 51.065$ ;  $\rho = 1000$  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
- Electronics: DAE4 Sn1259; Calibrated: 2/7/2013
- Probe: EX3DV4 - SN3929; ConvF(6.47, 6.47, 6.47); Calibrated: 6/24/2013;
- Sensor-Surface: 2.5mm (Mechanical Surface Detection (Locations From Previous Scan Used)), Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Phantom: ELI-B v5.0; Type: QDOVA002AA; Serial: TP:1195

**Front/QPSK\_RB 1/0\_Ch. 41055/Area Scan (9x14x1):** Measurement grid: dx=12mm, dy=12mm  
 Maximum value of SAR (measured) = 0.658 W/kg

**Front/QPSK\_RB 1/0\_Ch. 41055/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 17.302 V/m; Power Drift = 0.11 dB

Peak SAR (extrapolated) = 1.19 W/kg

**SAR(1 g) = 0.529 W/kg; SAR(10 g) = 0.247 W/kg**

Maximum value of SAR (measured) = 0.757 W/kg

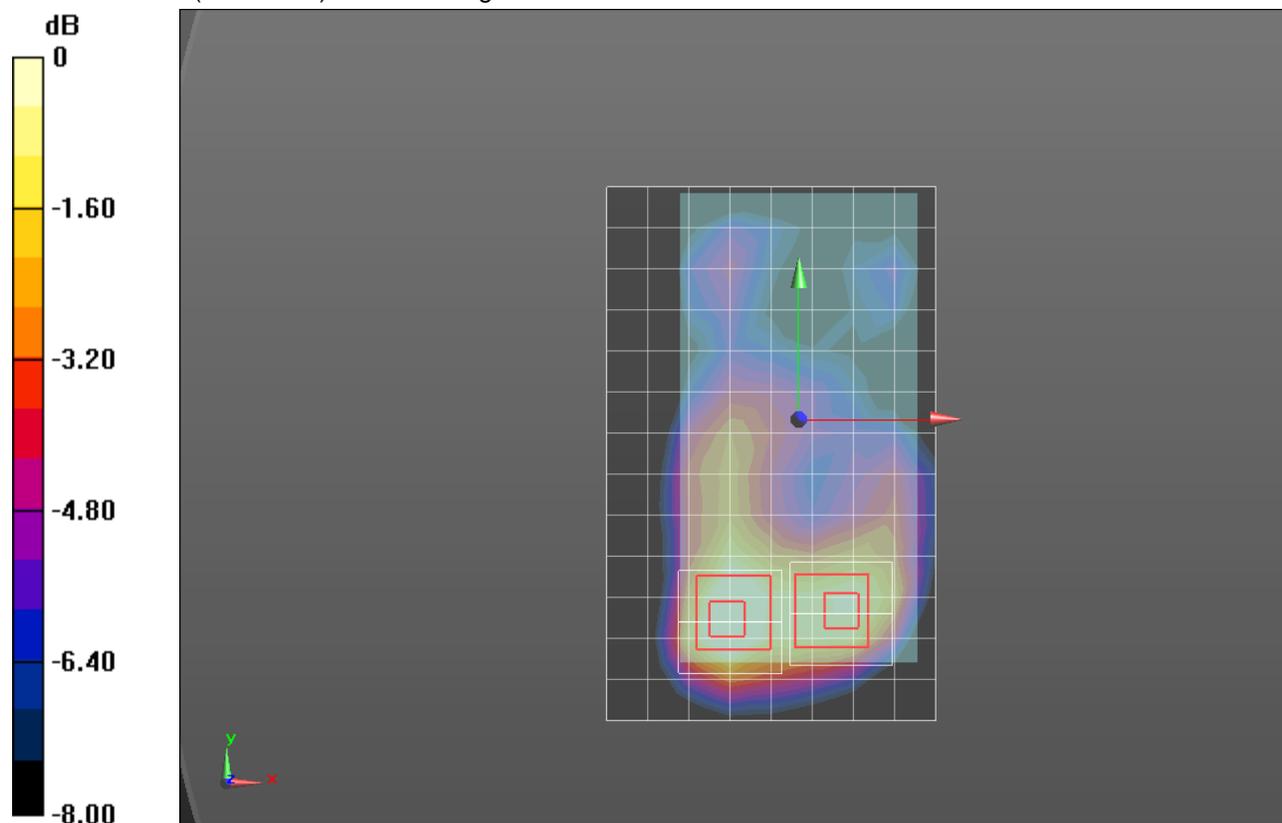
**Front/QPSK\_RB 1/0\_Ch. 41055/Zoom Scan (7x7x7)/Cube 1:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 17.302 V/m; Power Drift = 0.11 dB

Peak SAR (extrapolated) = 0.688 W/kg

**SAR(1 g) = 0.361 W/kg; SAR(10 g) = 0.193 W/kg**

Maximum value of SAR (measured) = 0.484 W/kg



0 dB = 0.484 W/kg = -3.15 dBW/kg

## WiFi 2.4GHz

Frequency: 2437 MHz; Duty Cycle: 1:1; Room Ambient Temperature: 24.0°C; Liquid Temperature: 23.0°C  
 Medium parameters used (interpolated):  $f = 2437$  MHz;  $\sigma = 1.815$  S/m;  $\epsilon_r = 40.292$ ;  $\rho = 1000$  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: 2/8/2013
- Probe: EX3DV4 - SN3773; ConvF(6.6, 6.6, 6.6); Calibrated: 4/26/2013;
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Phantom: SAM with CRP; Type: SAM;

**LHS/Touch\_802.11b\_Ch. 6/Area Scan (10x15x1):** Measurement grid: dx=12mm, dy=12mm

Maximum value of SAR (measured) = 0.339 W/kg

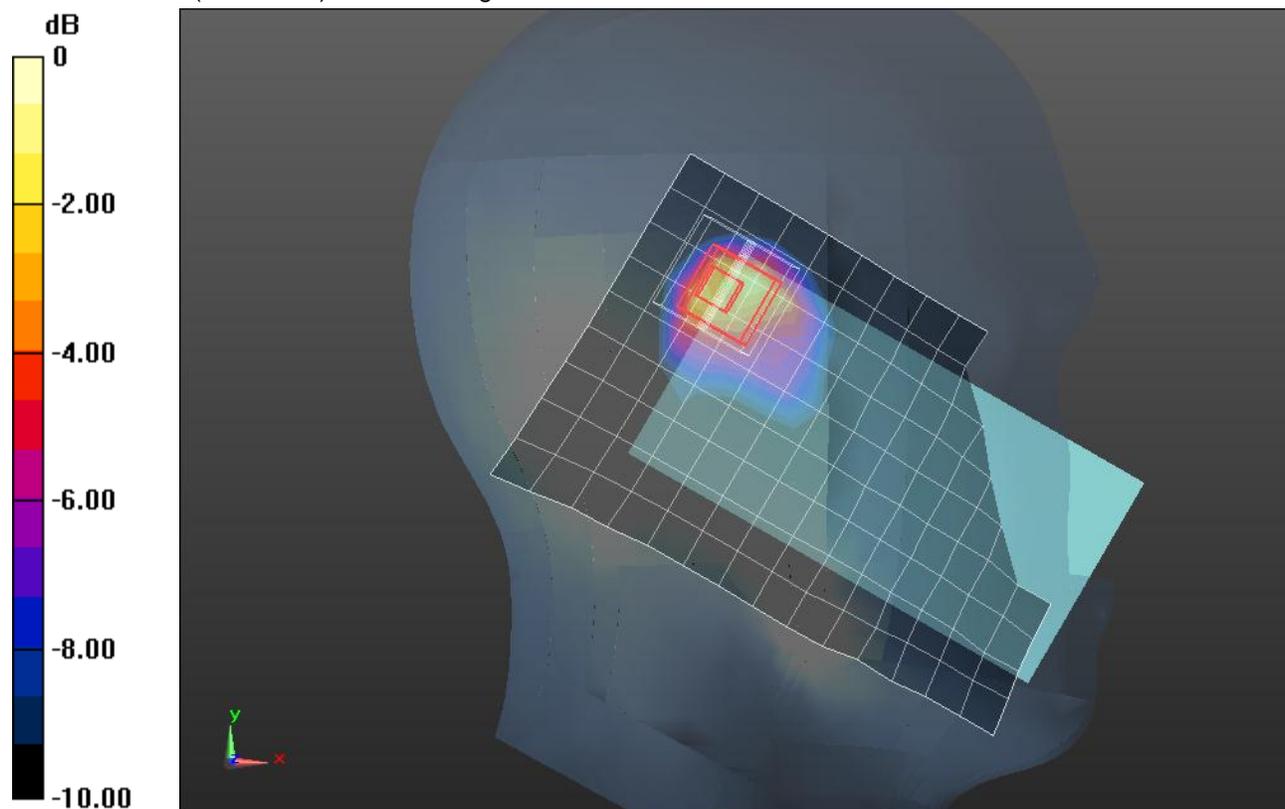
**LHS/Touch\_802.11b\_Ch. 6/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 14.383 V/m; Power Drift = 0.03 dB

Peak SAR (extrapolated) = 0.714 W/kg

**SAR(1 g) = 0.290 W/kg; SAR(10 g) = 0.125 W/kg**

Maximum value of SAR (measured) = 0.442 W/kg



0 dB = 0.442 W/kg = -3.55 dBW/kg

## WiFi 2.4GHz

Frequency: 2437 MHz; Duty Cycle: 1:1; Room Ambient Temperature: 24.0°C; Liquid Temperature: 23.0°C  
 Medium parameters used (interpolated):  $f = 2437 \text{ MHz}$ ;  $\sigma = 1.906 \text{ S/m}$ ;  $\epsilon_r = 50.431$ ;  $\rho = 1000 \text{ kg/m}^3$

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(6.6, 6.6, 6.6); Calibrated: 4/26/2013;
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Phantom: ELI v4.0; Type: QDOVA001BB; Serial: TP:xxxx

**Rear/802.11b\_Ch. 6/Area Scan (10x16x1):** Measurement grid: dx=12mm, dy=12mm

Maximum value of SAR (measured) = 0.134 W/kg

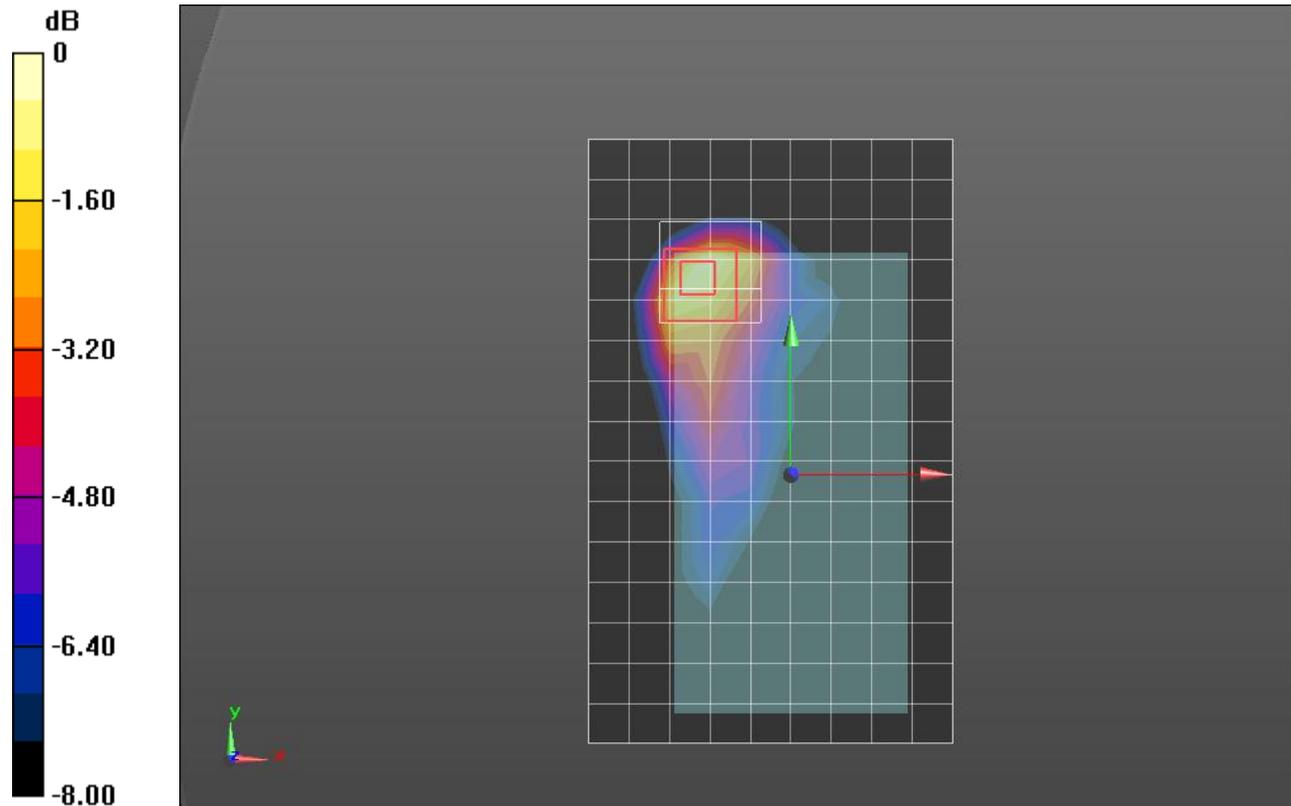
**Rear/802.11b\_Ch. 6/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 8.437 V/m; Power Drift = 0.06 dB

Peak SAR (extrapolated) = 0.227 W/kg

**SAR(1 g) = 0.105 W/kg; SAR(10 g) = 0.050 W/kg**

Maximum value of SAR (measured) = 0.146 W/kg



0 dB = 0.146 W/kg = -8.36 dBW/kg

## WiFi 5.2GHz

Frequency: 5240 MHz; Duty Cycle: 1:1; Room Ambient Temperature: 24.0°C; Liquid Temperature: 23.0°C  
 Medium parameters used:  $f = 5240 \text{ MHz}$ ;  $\sigma = 4.502 \text{ S/m}$ ;  $\epsilon_r = 37.279$ ;  $\rho = 1000 \text{ kg/m}^3$

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 Sn1259; Calibrated: 2/7/2013
- Probe: EX3DV3 - SN3531; ConvF(4.92, 4.92, 4.92); Calibrated: 11/15/2012;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Phantom: SAM; Type: QD000P40CD; Serial: TP 1751

**LHS/Touch\_802.11a\_Ch. 48 /Area Scan (12x18x1):** Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (measured) = 0.368 W/kg

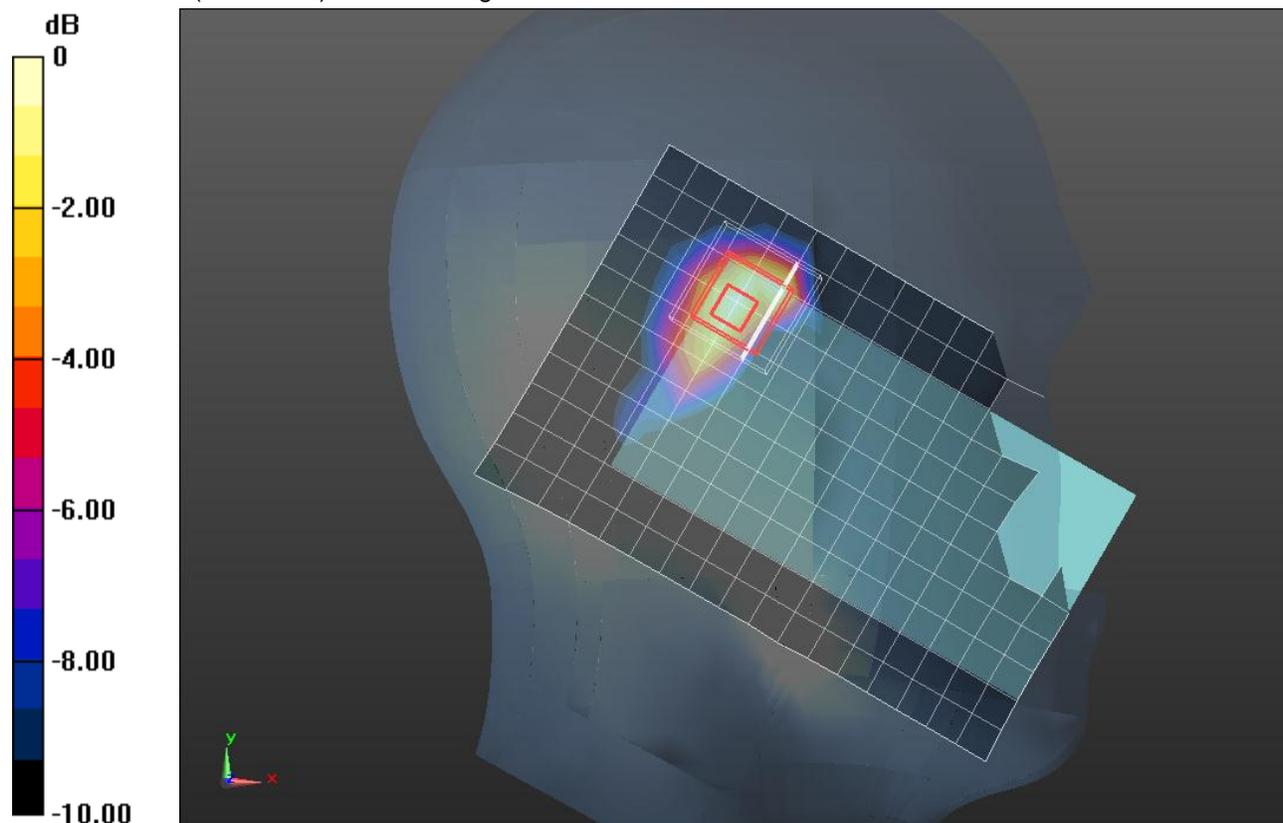
**LHS/Touch\_802.11a\_Ch. 48 /Zoom Scan (9x9x12)/Cube 0:** Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 8.158 V/m; Power Drift = 0.13 dB

Peak SAR (extrapolated) = 0.629 W/kg

**SAR(1 g) = 0.193 W/kg; SAR(10 g) = 0.076 W/kg**

Maximum value of SAR (measured) = 0.361 W/kg



0 dB = 0.361 W/kg = -4.42 dBW/kg

## WiFi 5.2 GHz

Frequency: 5240 MHz; Duty Cycle: 1:1; Room Ambient Temperature: 24.0°C; Liquid Temperature: 23.0°C  
 Medium parameters used:  $f = 5240 \text{ MHz}$ ;  $\sigma = 5.376 \text{ S/m}$ ;  $\epsilon_r = 49.171$ ;  $\rho = 1000 \text{ kg/m}^3$

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 Sn1259; Calibrated: 2/7/2013
- Probe: EX3DV3 - SN3531; ConvF(4.21, 4.21, 4.21); Calibrated: 11/15/2012;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Phantom: ELI-A v5.0; Type: QDOVA002AA; Serial: TP 1194

**Rear/802.11a\_ch 48/Area Scan (11x17x1):** Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (measured) = 0.190 W/kg

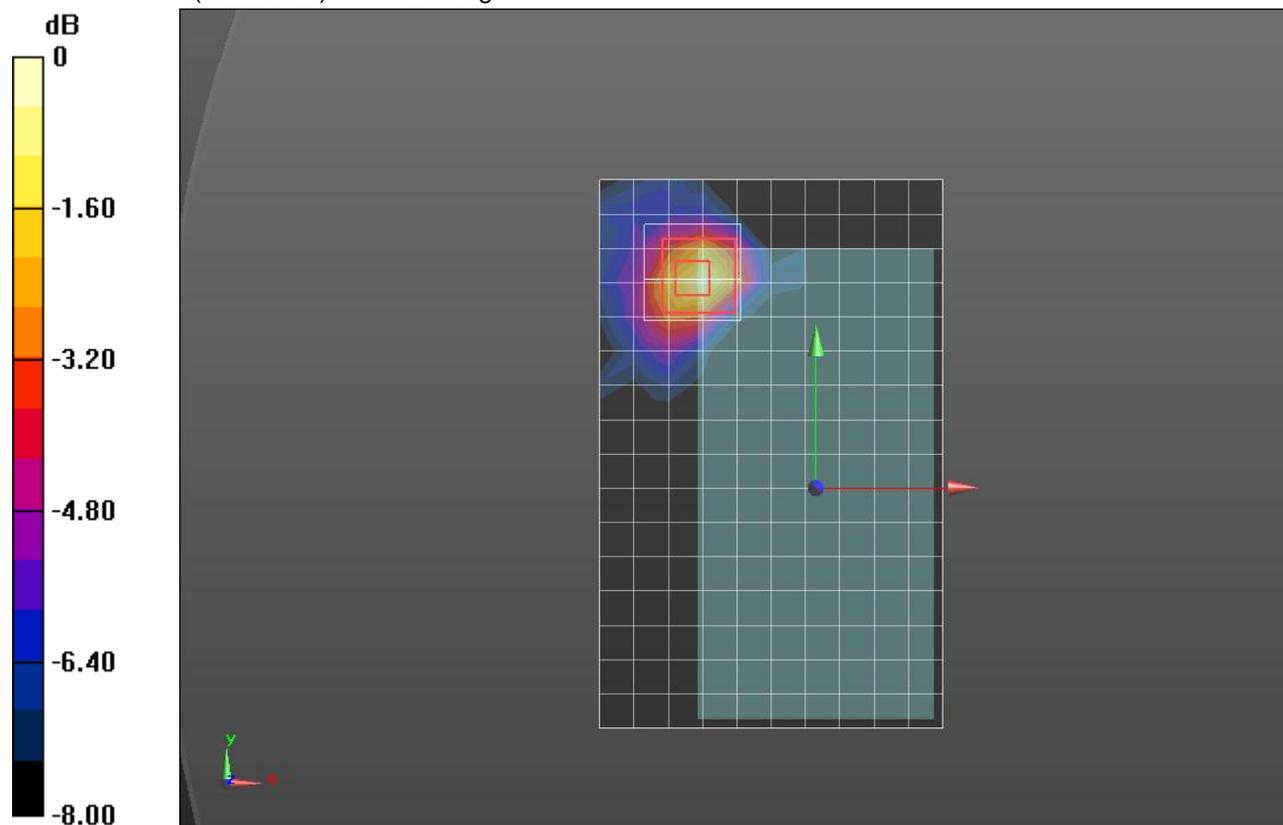
**Rear/802.11a\_ch 48/Zoom Scan (8x8x12)/Cube 0:** Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 5.681 V/m; Power Drift = 0.18 dB

Peak SAR (extrapolated) = 0.454 W/kg

**SAR(1 g) = 0.097 W/kg; SAR(10 g) = 0.032 W/kg**

Maximum value of SAR (measured) = 0.196 W/kg



0 dB = 0.196 W/kg = -7.08 dBW/kg

## WiFi 5.8GHz

Frequency: 5805 MHz; Duty Cycle: 1:1; Room Ambient Temperature: 24.0°C; Liquid Temperature: 23.0°C  
 Medium parameters used:  $f = 5805 \text{ MHz}$ ;  $\sigma = 6.145 \text{ S/m}$ ;  $\epsilon_r = 48.255$ ;  $\rho = 1000 \text{ kg/m}^3$

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 Sn1259; Calibrated: 2/7/2013
- Probe: EX3DV3 - SN3531; ConvF(3.86, 3.86, 3.86); Calibrated: 11/15/2012;
- Sensor-Surface: 2mm (Mechanical Surface Detection), Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Phantom: ELI-A v5.0; Type: QDOVA002AA; Serial: TP 1194

**Rear/802.11a\_Ch. 161/Area Scan (12x19x1):** Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (measured) = 0.0910 W/kg

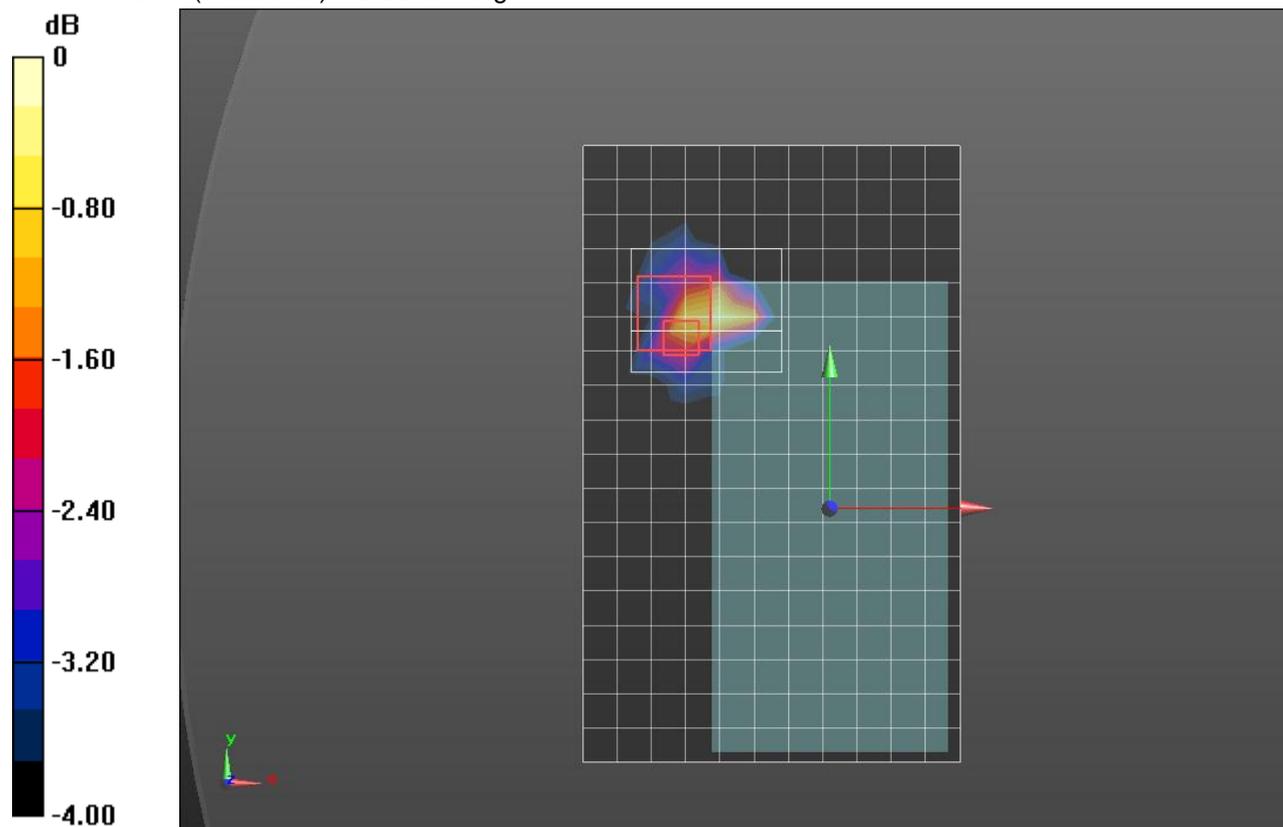
**Rear/802.11a\_Ch. 161/Zoom Scan (12x10x12)/Cube 0:** Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 3.290 V/m; Power Drift = -0.16 dB

Peak SAR (extrapolated) = 0.779 W/kg

**SAR(1 g) = 0.075 W/kg; SAR(10 g) = 0.032 W/kg**

Maximum value of SAR (measured) = 0.0973 W/kg



0 dB = 0.0973 W/kg = -10.12 dBW/kg

## 802.11ac WiFi 5.2GHz

Frequency: 5240 MHz; Duty Cycle: 1:1; Room Ambient Temperature: 24.0°C; Liquid Temperature: 23.0°C  
 Medium parameters used:  $f = 5240 \text{ MHz}$ ;  $\sigma = 5.376 \text{ S/m}$ ;  $\epsilon_r = 49.171$ ;  $\rho = 1000 \text{ kg/m}^3$

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 Sn1259; Calibrated: 2/7/2013
- Probe: EX3DV3 - SN3531; ConvF(4.21, 4.21, 4.21); Calibrated: 11/15/2012;
- Sensor-Surface: 2mm (Mechanical Surface Detection), Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Phantom: ELI-A v5.0; Type: QDOVA002AA; Serial: TP 1194

**Rear/802.11ac\_Ch. 48/Area Scan (11x18x1):** Measurement grid: dx=10mm, dy=10mm

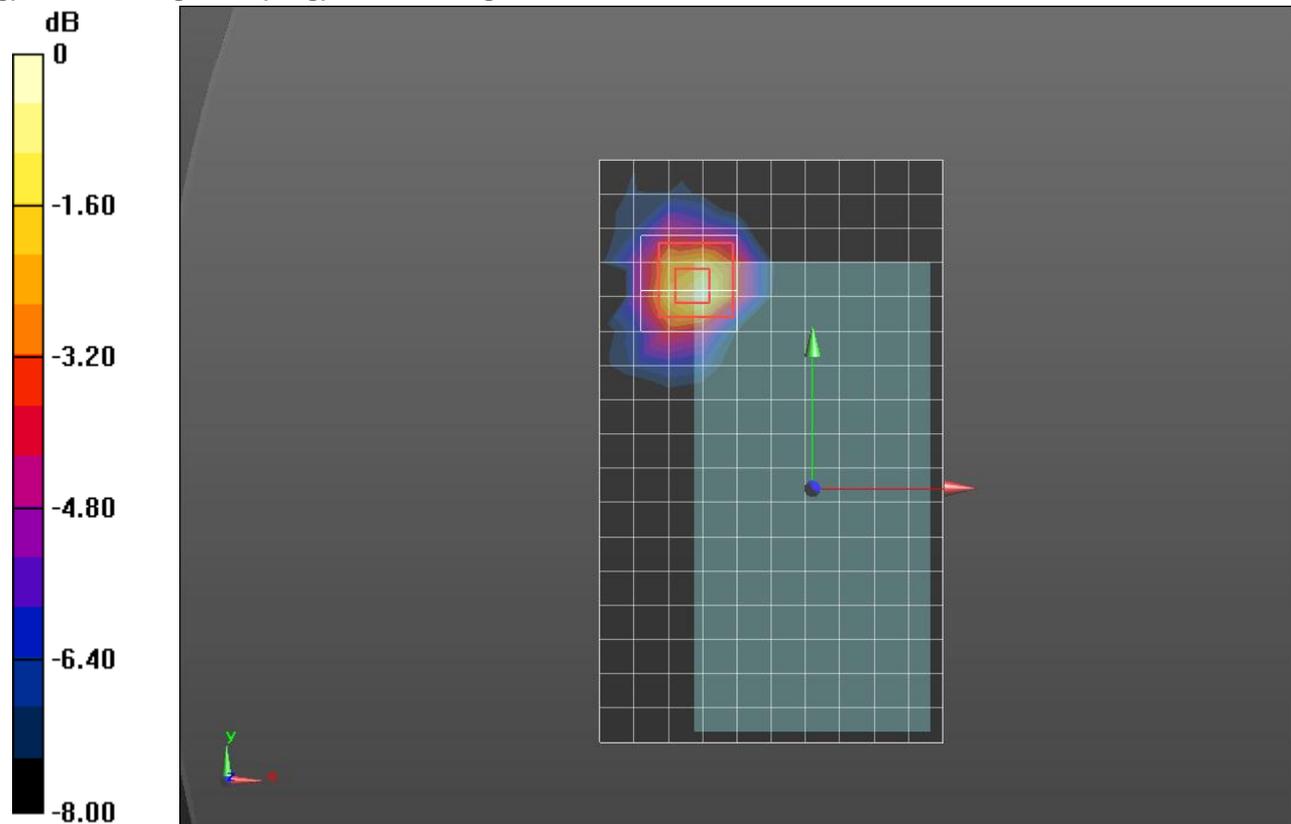
Maximum value of SAR (measured) = 0.173 W/kg

**Rear/802.11ac\_Ch. 48/Zoom Scan (8x8x12)/Cube 0:** Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 5.140 V/m; Power Drift = -0.05 dB

Peak SAR (extrapolated) = 0.484 W/kg

**SAR(1 g) = 0.108 W/kg; SAR(10 g) = 0.036 W/kg**



0 dB = 0.173 W/kg = -7.62 dBW/kg