

## SystemPerformanceCheck-D1900V2 SN 5d043

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

Medium parameters used:  $f = 1900$  MHz;  $\sigma = 1.574$  S/m;  $\epsilon_r = 54.946$ ;  $\rho = 1000$  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 Sn1239; Calibrated: 4/9/2013
- Probe: EX3DV4 - SN3749; ConvF(6.99, 6.99, 6.99); Calibrated: 1/15/2013;
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Phantom: ELI v5.0 (A); Type: QDOVA001BB; Serial: 1120

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

Reference Value = 60.967 V/m; Power Drift = -0.02 dB

**Fast SAR: SAR(1 g) = 4.29 W/kg; SAR(10 g) = 2.17 W/kg**

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

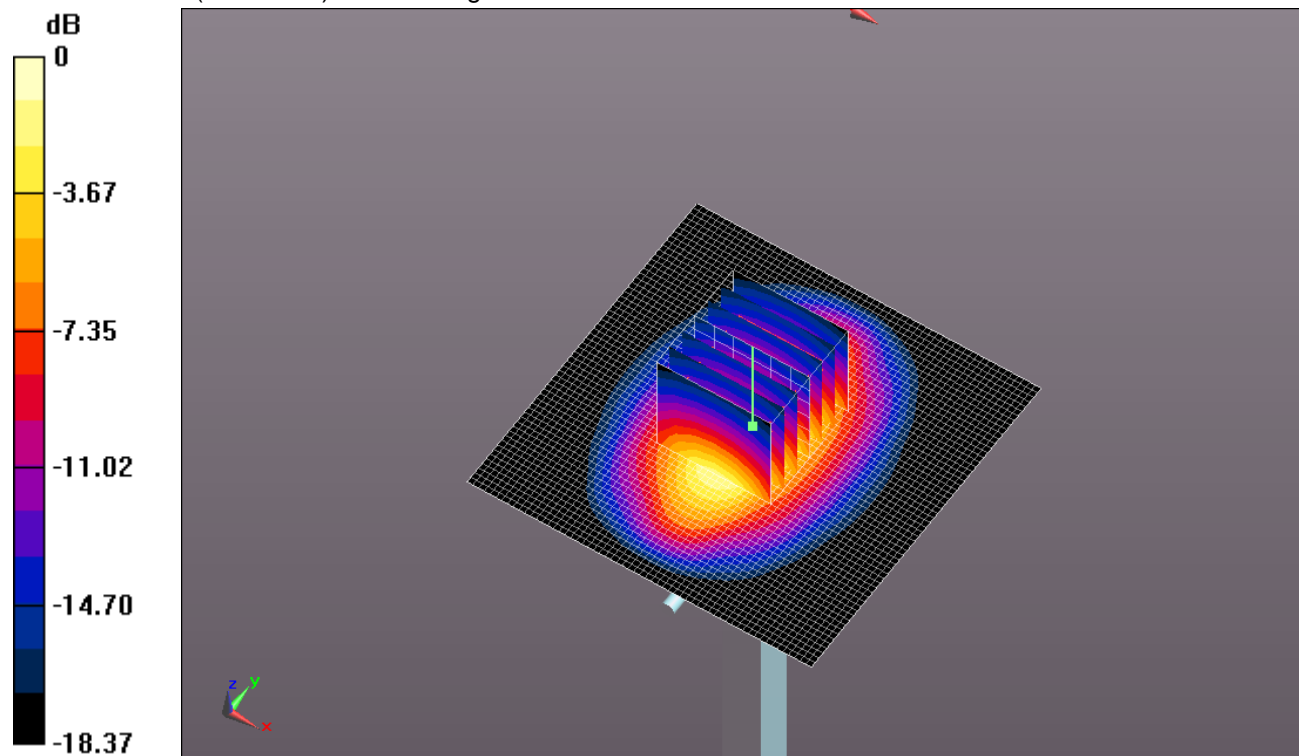
**Body/Pin=100 mW/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 60.967 V/m; Power Drift = -0.02 dB

Peak SAR (extrapolated) = 7.87 W/kg

**SAR(1 g) = 4.16 W/kg; SAR(10 g) = 2.11 W/kg**

Maximum value of SAR (measured) = 5.71 W/kg

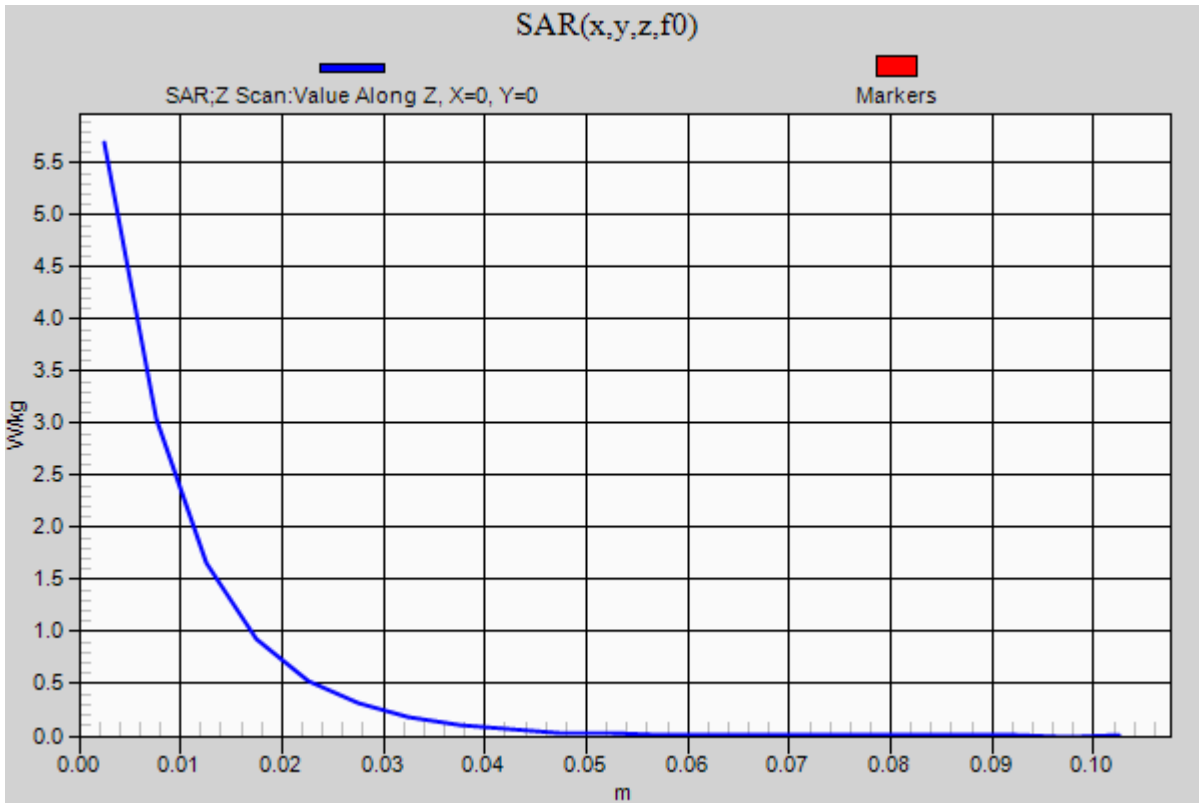


0 dB = 5.71 W/kg = 7.57 dBW/kg

### SystemPerformanceCheck-D1900V2 SN 5d043

Frequency: 1900 MHz; Duty Cycle: 1:1

**Body/Pin=100 mW/Z Scan (1x1x21):** Measurement grid: dx=20mm, dy=20mm, dz=5mm  
Maximum value of SAR (measured) = 5.70 W/kg



### 2013-12-16\_SystemPerformanceCheck-D1750V2 SN 1077

Frequency: 1750 MHz; Duty Cycle: 1:1; Room Ambient Temperature: 24.0°C; Liquid Temperature: 23.0°C  
 Medium parameters used:  $f = 1750 \text{ MHz}$ ;  $\sigma = 1.541 \text{ S/m}$ ;  $\epsilon_r = 52.537$ ;  $\rho = 1000 \text{ kg/m}^3$

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: DAE3 Sn427; Calibrated: 1/9/2013
- Probe: EX3DV4 - SN3772; ConvF(7.1, 7.1, 7.1); Calibrated: 2/20/2013;
- 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 mm, dy=1.500 mm

Reference Value = 60.307 V/m; Power Drift = 0.01 dB

**Fast SAR: SAR(1 g) = 4.2 W/kg; SAR(10 g) = 2.18 W/kg**

Maximum value of SAR (interpolated) = 5.52 W/kg

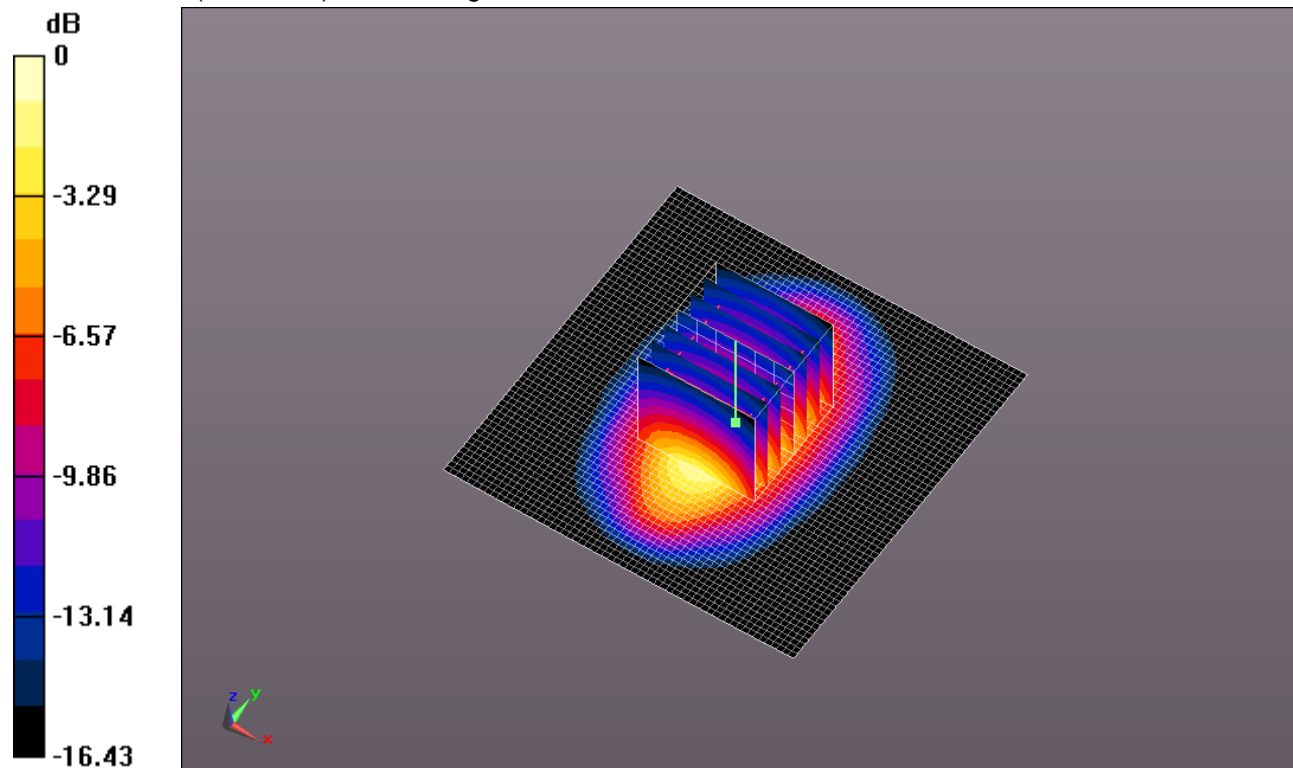
**Body/Pin=100 mW/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 60.307 V/m; Power Drift = 0.01 dB

Peak SAR (extrapolated) = 7.38 W/kg

**SAR(1 g) = 4.09 W/kg; SAR(10 g) = 2.16 W/kg**

Maximum value of SAR (measured) = 5.51 W/kg

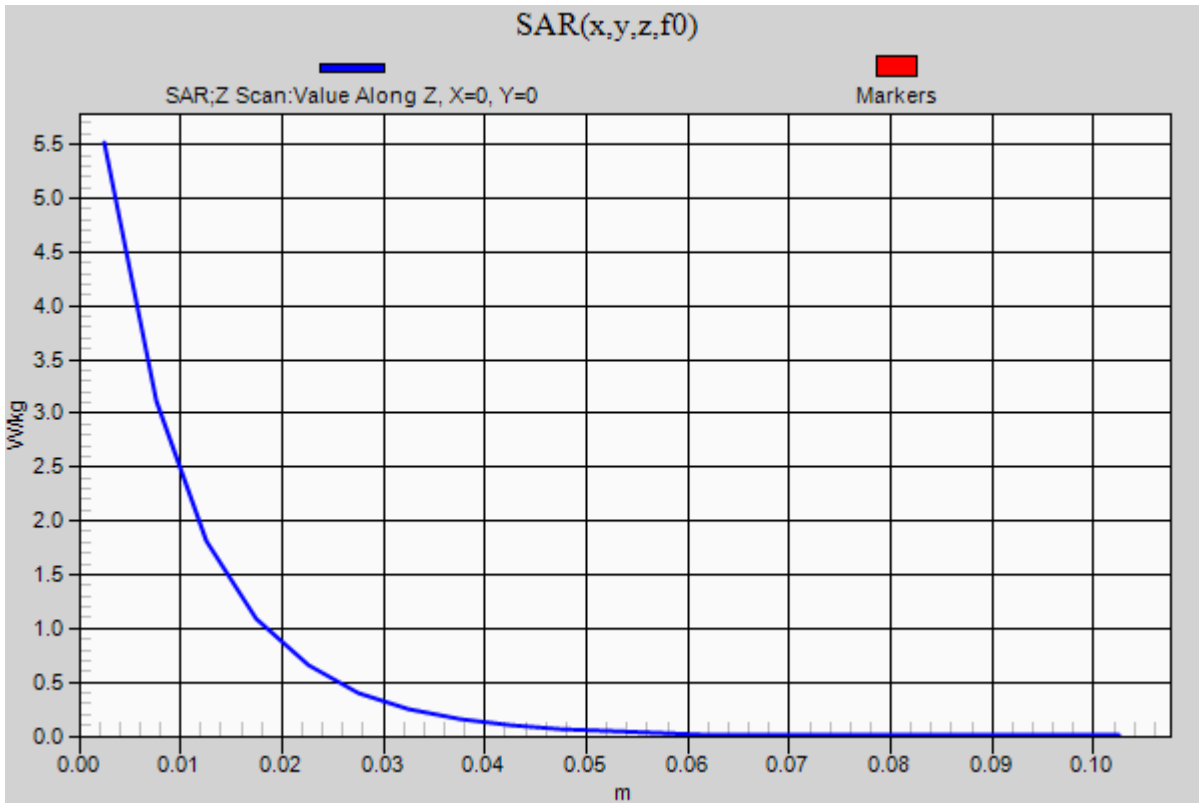


0 dB = 5.51 W/kg = 7.41 dBW/kg

### 2013-12-16\_SystemPerformanceCheck-D1750V2 SN 1077

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) = 5.52 W/kg



## 2013-12-18\_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;  $\sigma = 4.957$  S/m;  $\epsilon_r = 35.304$ ;  $\rho = 1000$  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 - SN3772; ConvF(4.28, 4.28, 4.28); Calibrated: 2/20/2013;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Phantom: SAM; Type: QD000P40CD; Serial: 1629

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

Reference Value = 58.392 V/m; Power Drift = 0.02 dB

**Fast SAR: SAR(1 g) = 8.32 W/kg; SAR(10 g) = 2.27 W/kg**

Maximum value of SAR (interpolated) = 22.7 W/kg

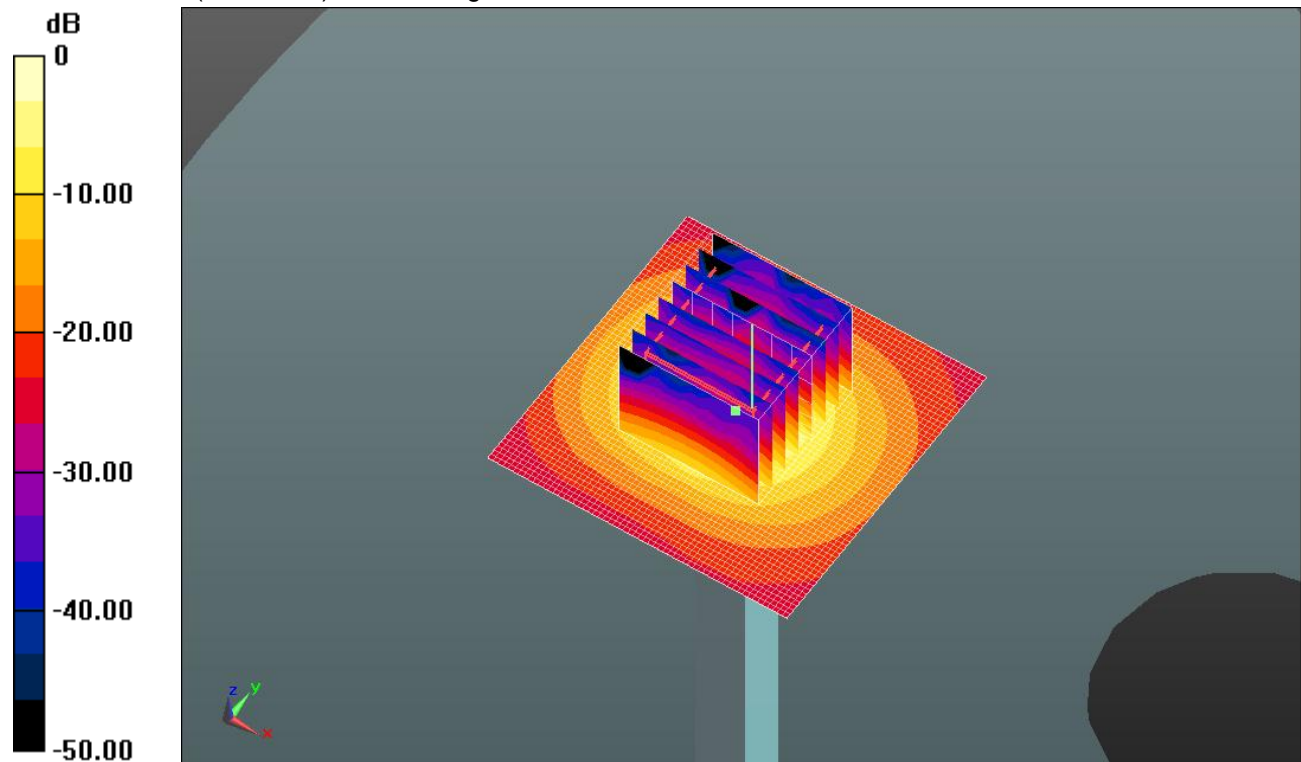
**Head/5.6 GHz, Pin=100mW/Zoom Scan (8x8x7)/Cube 0:** Measurement grid: dx=4mm, dy=4mm, dz=1.4mm

Reference Value = 58.392 V/m; Power Drift = 0.02 dB

Peak SAR (extrapolated) = 38.3 W/kg

**SAR(1 g) = 8.8 W/kg; SAR(10 g) = 2.5 W/kg**

Maximum value of SAR (measured) = 21.1 W/kg

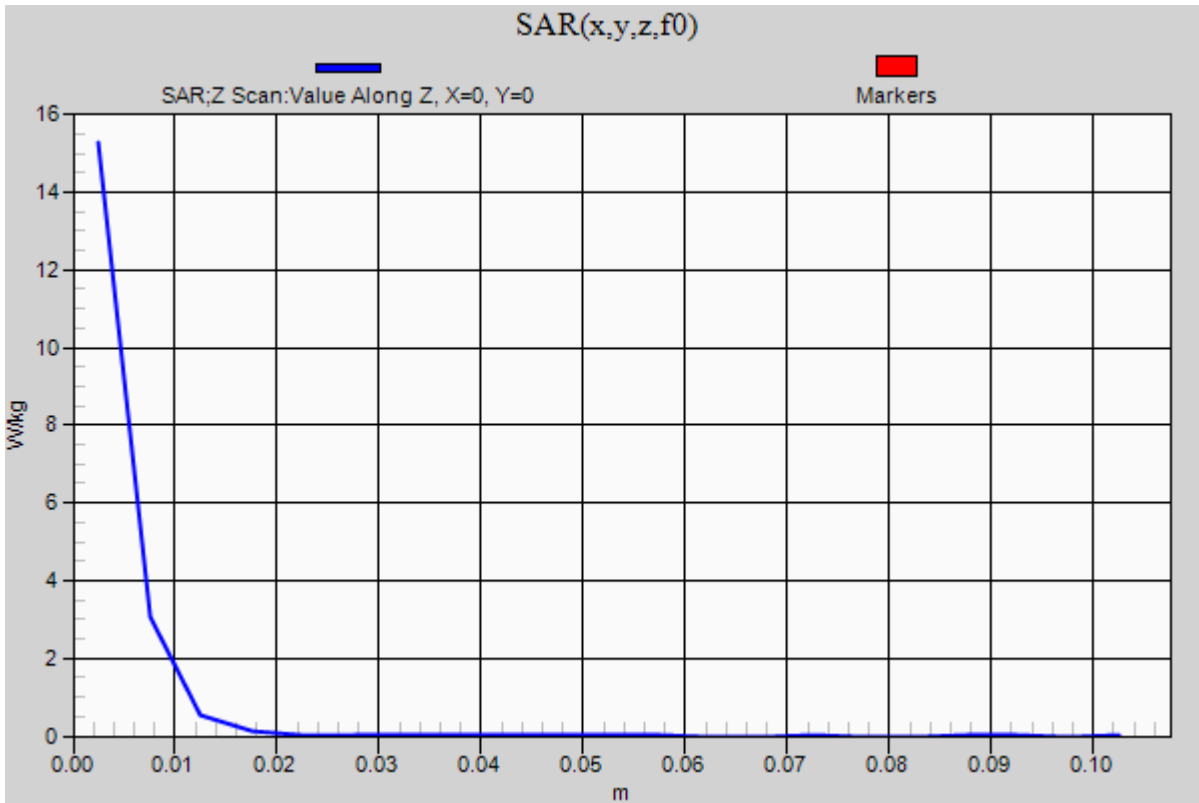


0 dB = 21.1 W/kg = 13.24 dBW/kg

### 2013-12-18\_SystemPerformanceCheck-D5GHzV2 SN 1138

Frequency: 5600 MHz; Duty Cycle: 1:1

**Head/5.6 GHz, Pin=100mW/Z Scan (1x1x21):** Measurement grid: dx=20mm, dy=20mm, dz=5mm  
Maximum value of SAR (measured) = 15.3 W/kg



### 12162013\_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;  $\sigma = 1.943$  S/m;  $\epsilon_r = 50.836$ ;  $\rho = 1000$  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 Sn1360; Calibrated: 2/7/2013
- Probe: EX3DV4 - SN3686; ConvF(6.92, 6.92, 6.92); Calibrated: 3/11/2013;
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Phantom: ELI B v5.0; Type: QDOVA001BB; Serial: 1121

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

Reference Value = 55.520 V/m; Power Drift = -0.13 dB

**Fast SAR: SAR(1 g) = 4.75 W/kg; SAR(10 g) = 2.08 W/kg**

Maximum value of SAR (interpolated) = 6.85 W/kg

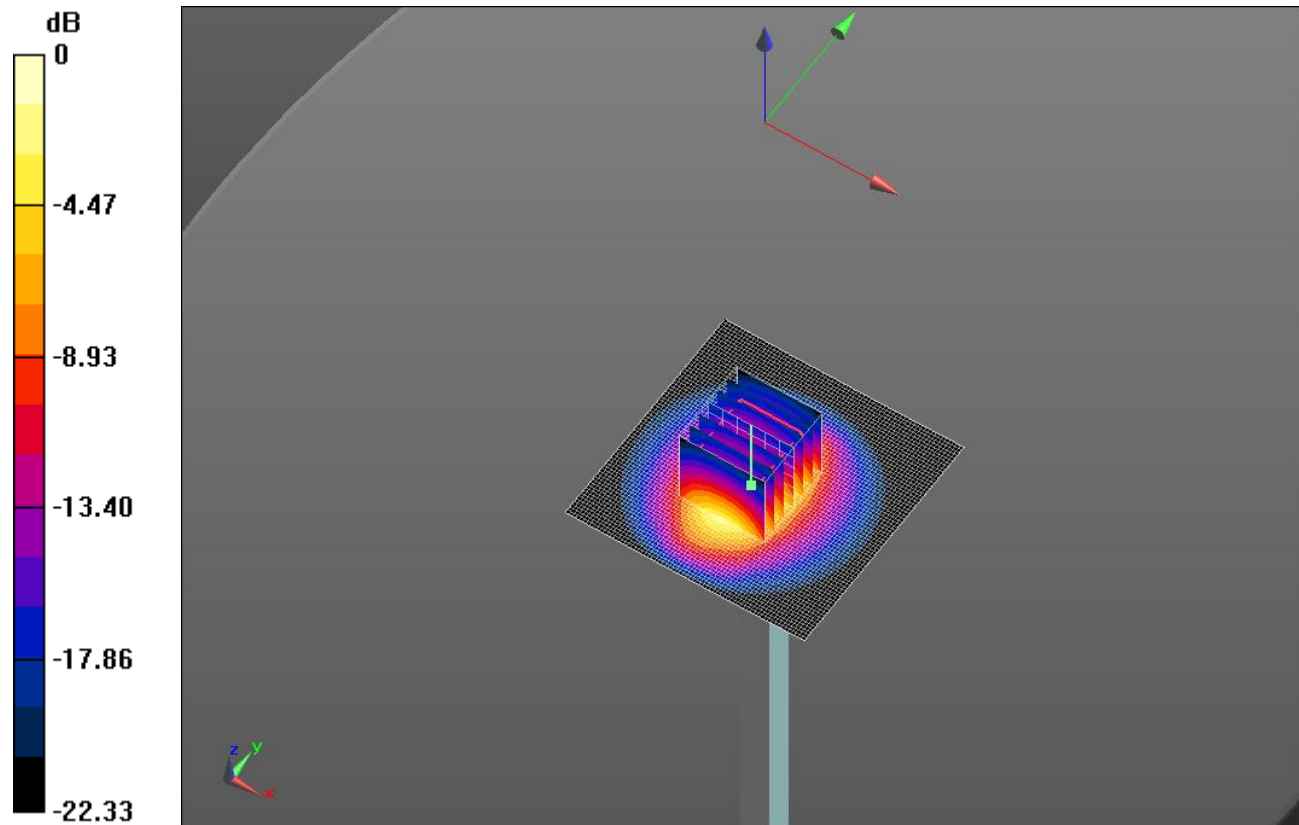
**Body/Pin=100 mW/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 55.520 V/m; Power Drift = -0.13 dB

Peak SAR (extrapolated) = 9.93 W/kg

**SAR(1 g) = 4.71 W/kg; SAR(10 g) = 2.17 W/kg**

Maximum value of SAR (measured) = 6.72 W/kg

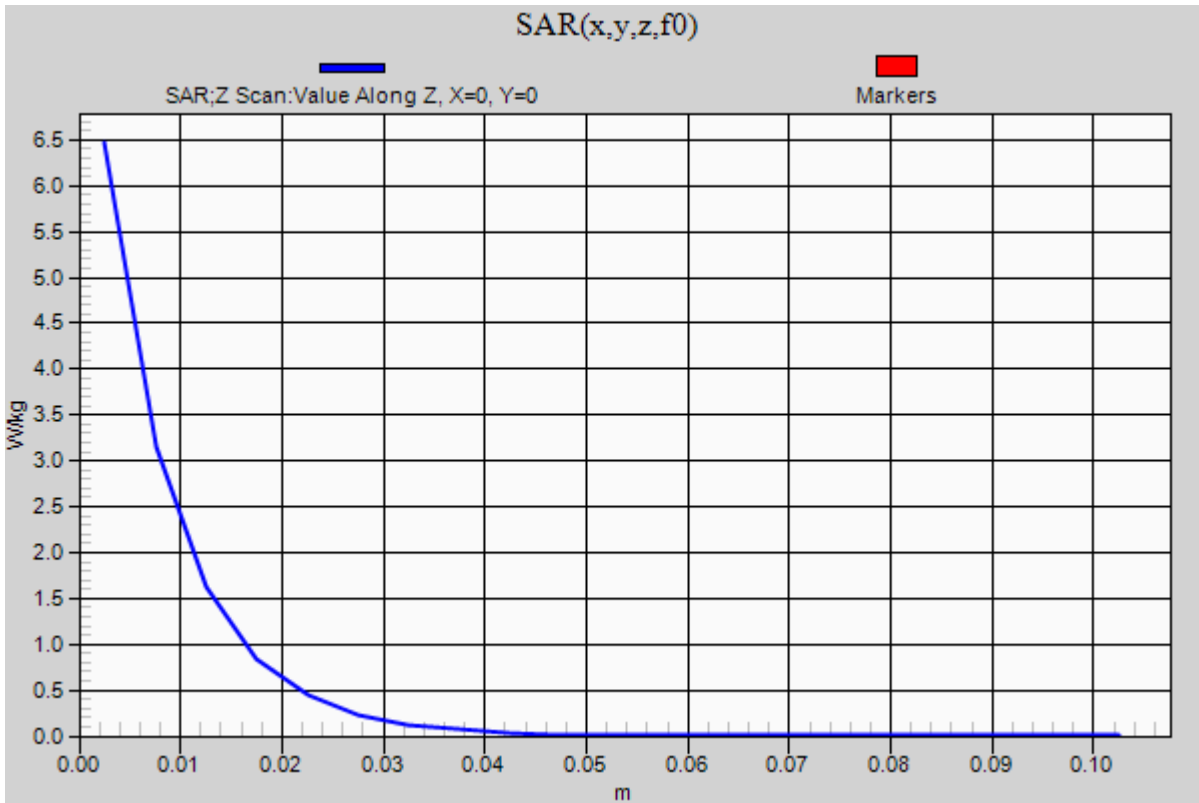


0 dB = 6.72 W/kg = 8.27 dBW/kg

### 12162013\_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) = 6.47 W/kg





# 12182013\_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;  $\sigma = 0.993$  S/m;  $\epsilon_r = 53.476$ ;  $\rho = 1000$  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 Sn1360; Calibrated: 2/7/2013
- Probe: EX3DV4 - SN3686; ConvF(9.04, 9.04, 9.04); Calibrated: 3/11/2013;
- 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: QDOVA001BB; Serial: 1121

**Body/Pin=100 mW 2/Area Scan (61x61x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm

Reference Value = 34.764 V/m; Power Drift = -0.05 dB

**Fast SAR: SAR(1 g) = 1.02 W/kg; SAR(10 g) = 0.685 W/kg**

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

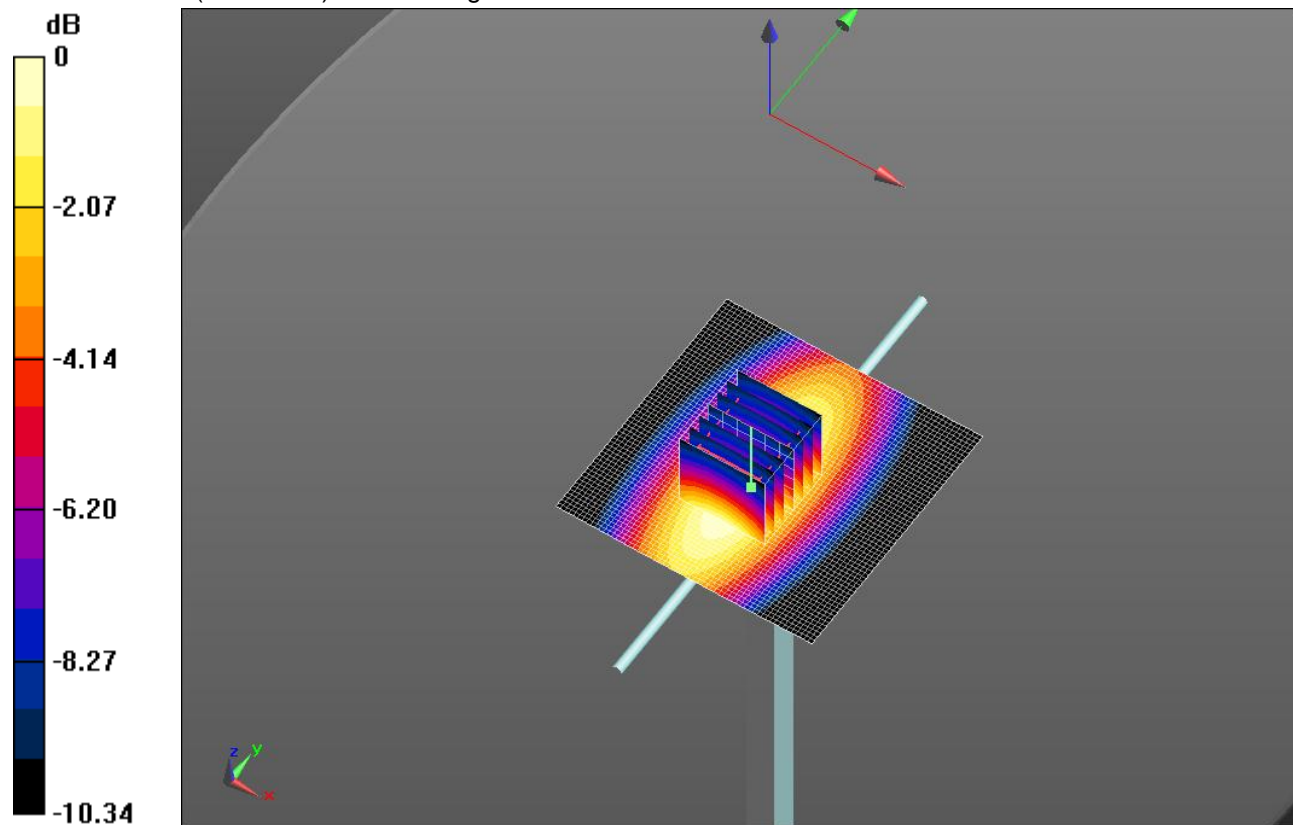
**Body/Pin=100 mW 2/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 34.764 V/m; Power Drift = -0.05 dB

Peak SAR (extrapolated) = 1.48 W/kg

**SAR(1 g) = 0.993 W/kg; SAR(10 g) = 0.654 W/kg**

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

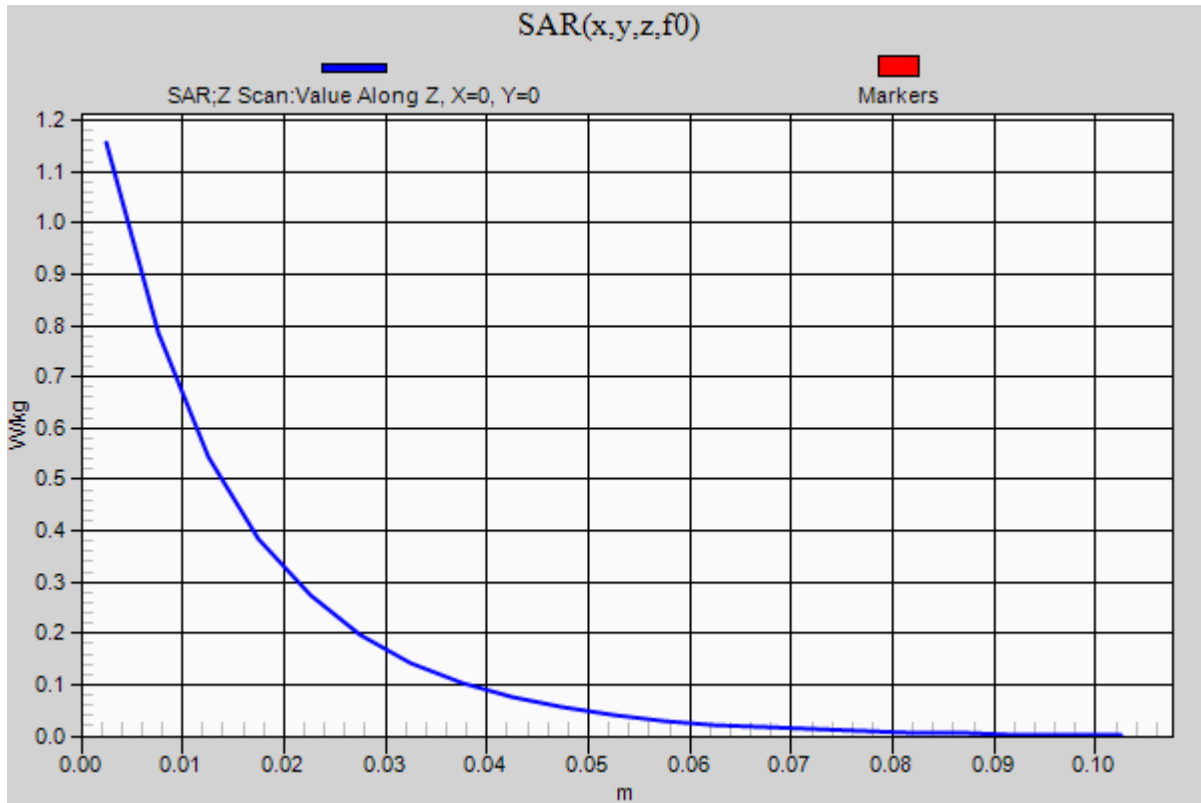


0 dB = 1.20 W/kg = 0.79 dBW/kg

### 12182013\_SystemPerformanceCheck-D835V2 SN 4d002

Frequency: 835 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) = 1.16 W/kg



## 20131218\_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:  $f = 750 \text{ MHz}$ ;  $\sigma = 0.977 \text{ S/m}$ ;  $\epsilon_r = 55.14$ ;  $\rho = 1000 \text{ kg/m}^3$

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: 7/24/2013
- Probe: EX3DV4 - SN3885; ConvF(9.14, 9.14, 9.14); Calibrated: 9/18/2013;
- 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 mm, dy=1.500 mm

Reference Value = 32.924 V/m; Power Drift = 0.08 dB

**Fast SAR: SAR(1 g) = 0.902 W/kg; SAR(10 g) = 0.611 W/kg**

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

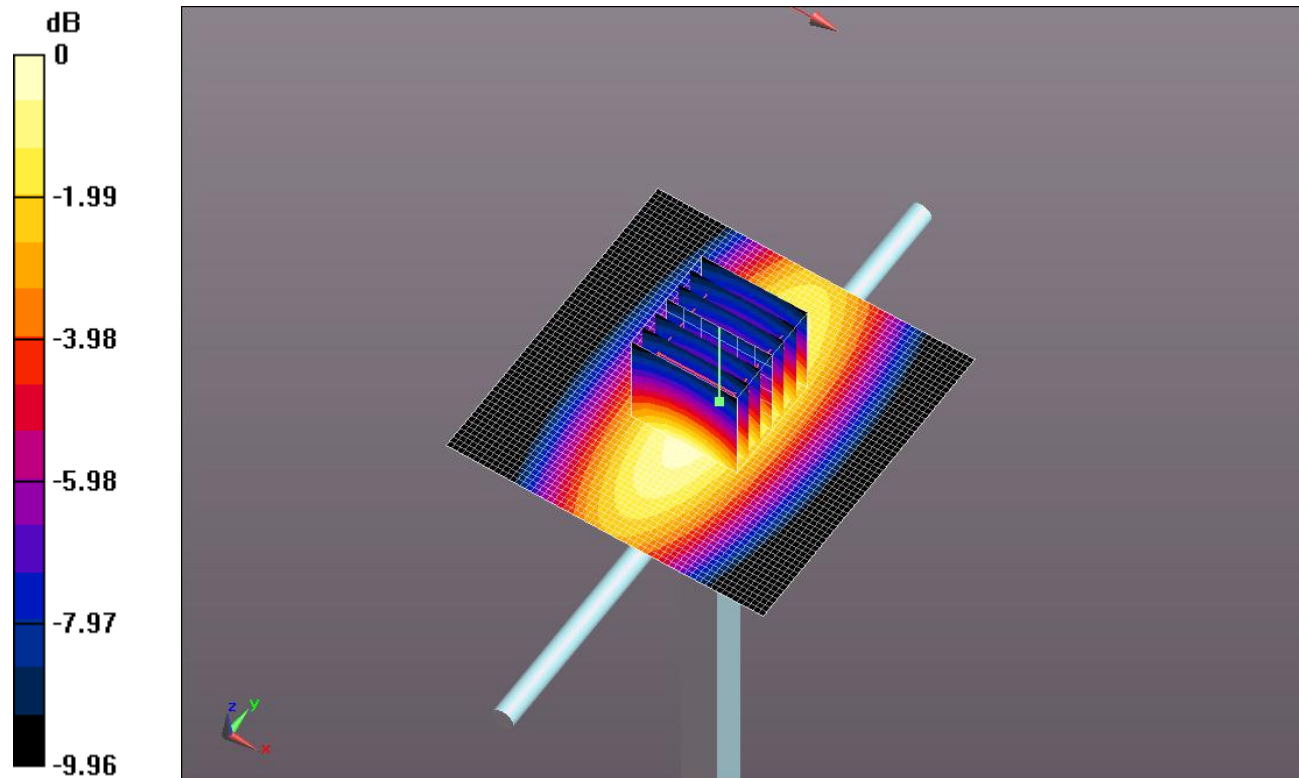
**Body/Pin=100 mW/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 32.924 V/m; Power Drift = 0.08 dB

Peak SAR (extrapolated) = 1.29 W/kg

**SAR(1 g) = 0.884 W/kg; SAR(10 g) = 0.589 W/kg**

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

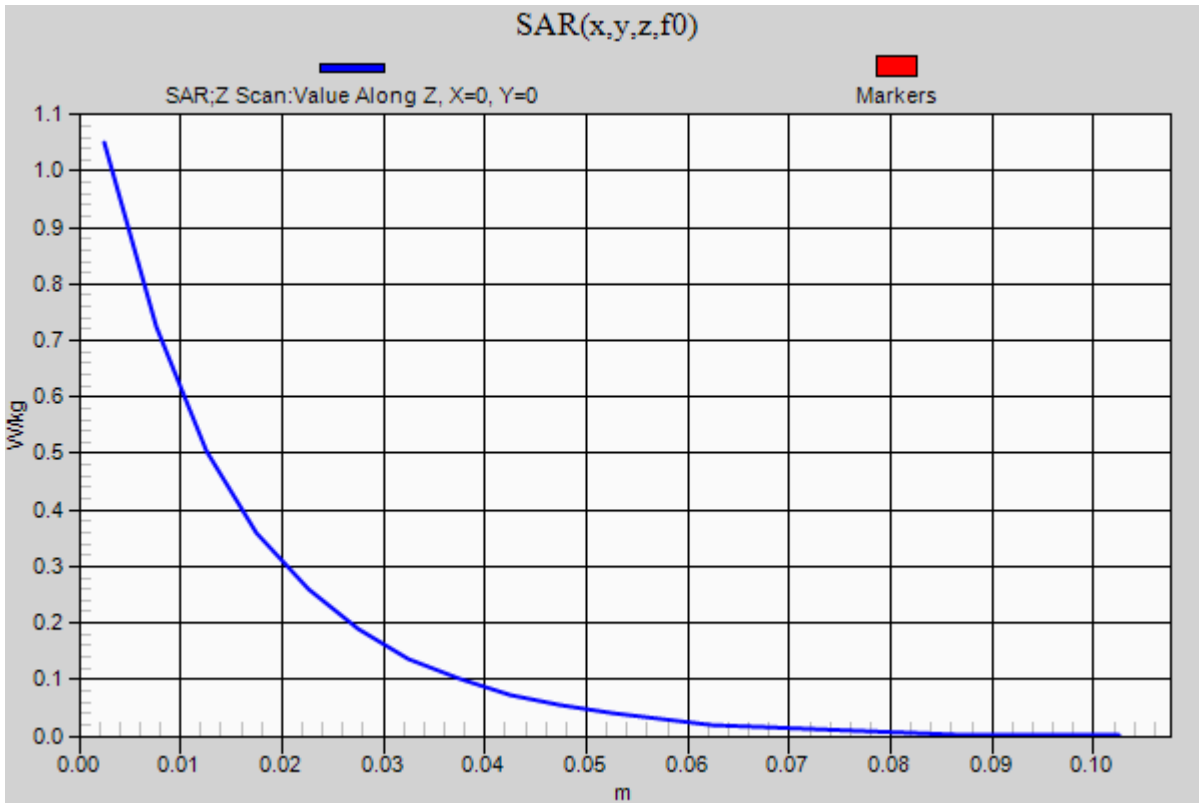


0 dB = 1.07 W/kg = 0.29 dBW/kg

### 20131218\_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) = 1.05 W/kg



## CDMA BC0

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;  $\sigma = 0.912$  S/m;  $\epsilon_r = 40.996$ ;  $\rho = 1000$  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 Sn1360; Calibrated: 2/7/2013
- Probe: EX3DV4 - SN3686; ConvF(9.13, 9.13, 9.13); Calibrated: 3/11/2013;
- Sensor-Surface: 2.5mm (Mechanical Surface Detection (Locations From Previous Scan Used)), Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Phantom: SAM v5.0 ; Type: QD000P40CD; Serial: 1742

**LHS/Touch\_1xRTT\_RC3 SO55\_ch 384/Area Scan (8x12x1):** Measurement grid: dx=15mm, dy=15mm

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

Maximum value of SAR (measured) = 0.634 W/kg

**LHS/Touch\_1xRTT\_RC3 SO55\_ch 384/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

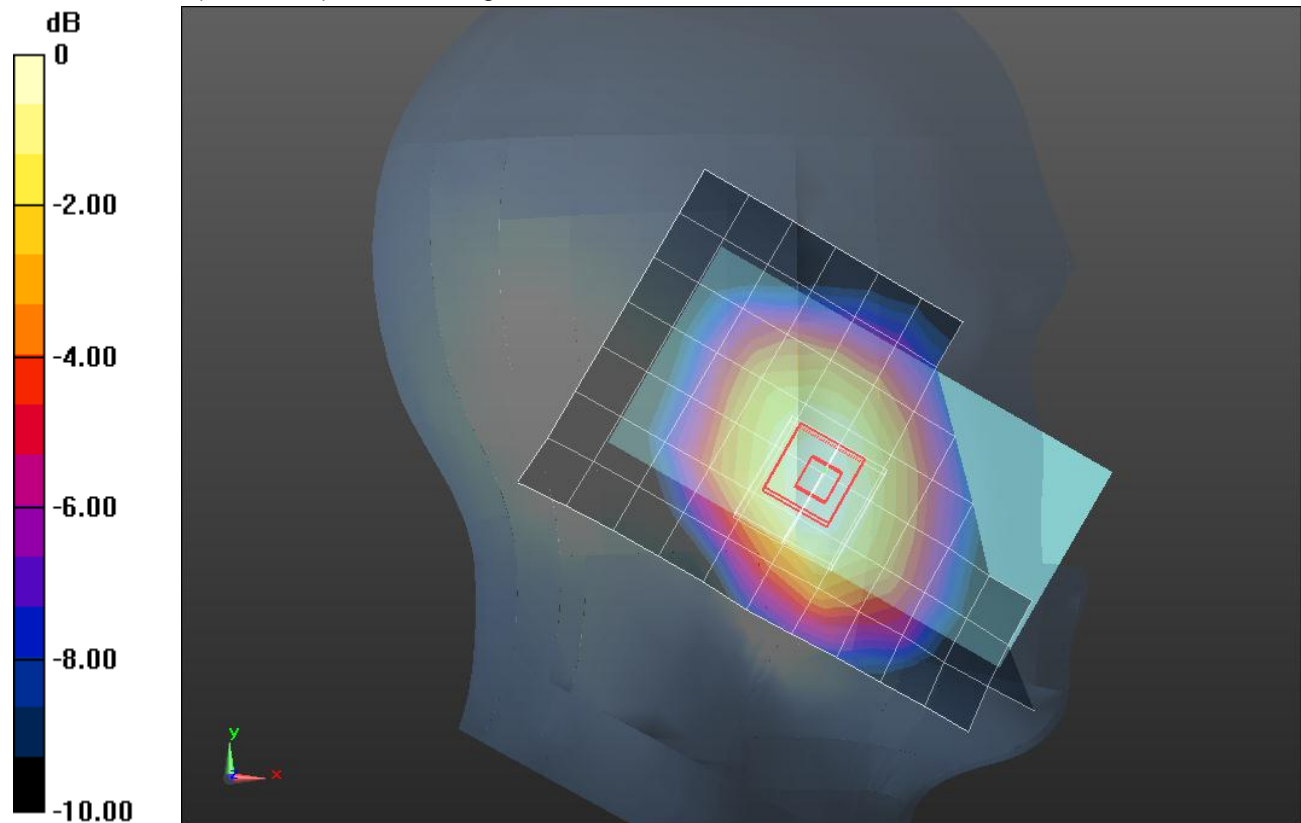
Reference Value = 26.418 V/m; Power Drift = -0.03 dB

Peak SAR (extrapolated) = 0.687 W/kg

**SAR(1 g) = 0.550 W/kg; SAR(10 g) = 0.418 W/kg**

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

Maximum value of SAR (measured) = 0.615 W/kg



0 dB = 0.615 W/kg = -2.11 dBW/kg

## CDMA BC0

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;  $\sigma = 0.995$  S/m;  $\epsilon_r = 53.455$ ;  $\rho = 1000$  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 Sn1360; Calibrated: 2/7/2013
- Probe: EX3DV4 - SN3686; ConvF(9.04, 9.04, 9.04); Calibrated: 3/11/2013;
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Phantom: ELI B v5.0; Type: QDOVA001BB; Serial: 1121

**Rear/1xRTT\_RC3\_SO32\_Ch 384/Area Scan (8x12x1):** Measurement grid: dx=15mm, dy=15mm

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

Maximum value of SAR (measured) = 0.919 W/kg

**Rear/1xRTT\_RC3\_SO32\_Ch 384/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

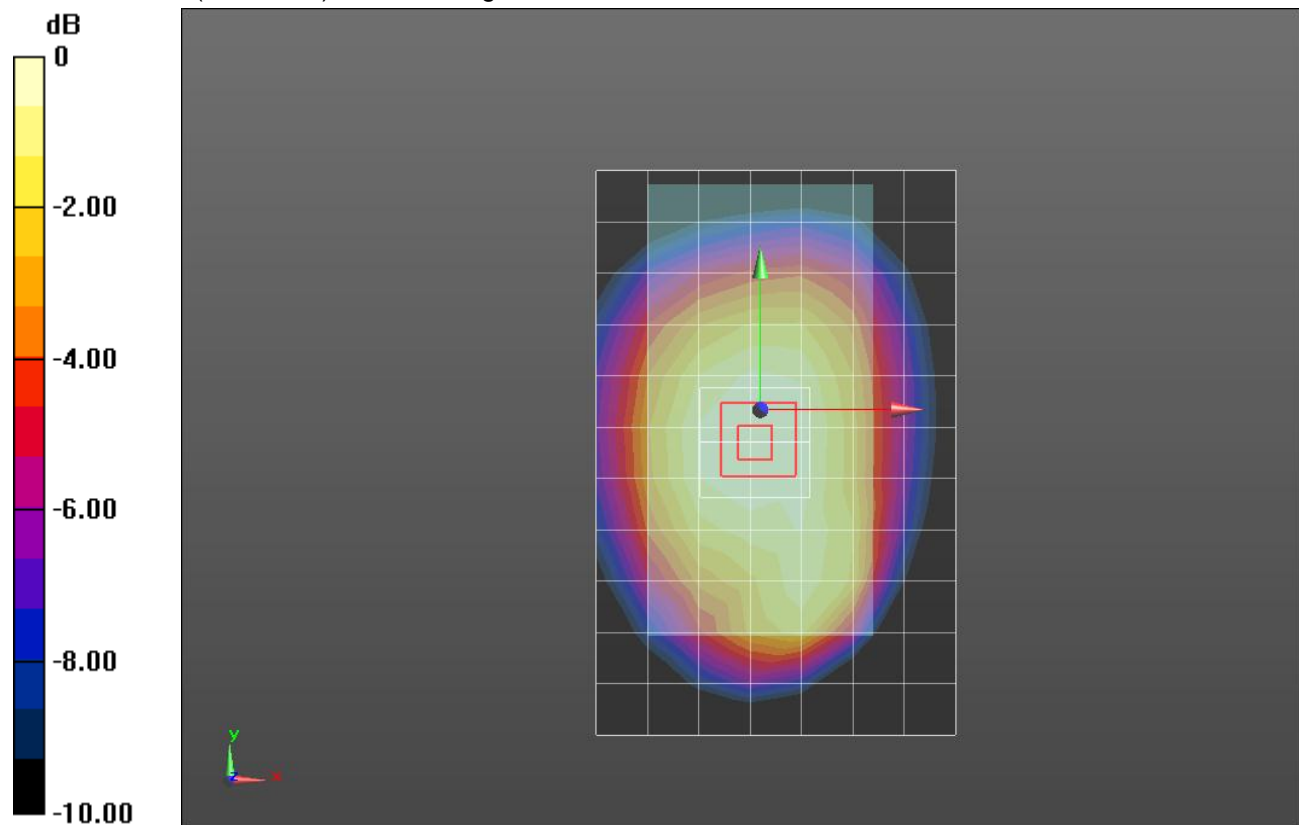
Reference Value = 30.899 V/m; Power Drift = -0.11 dB

Peak SAR (extrapolated) = 1.02 W/kg

**SAR(1 g) = 0.804 W/kg; SAR(10 g) = 0.608 W/kg**

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

Maximum value of SAR (measured) = 0.908 W/kg



0 dB = 0.908 W/kg = -0.42 dBW/kg

## CDMA BC1

Frequency: 1880 MHz; Duty Cycle: 1:1; Room Ambient Temperature: 24.0°C; Liquid Temperature: 23.0°C  
 Medium parameters used:  $f = 1880 \text{ MHz}$ ;  $\sigma = 1.434 \text{ S/m}$ ;  $\epsilon_r = 38.099$ ;  $\rho = 1000 \text{ kg/m}^3$

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 Sn1239; Calibrated: 4/9/2013
- Probe: EX3DV4 - SN3749; ConvF(7.34, 7.34, 7.34); Calibrated: 1/15/2013;
- Sensor-Surface: 2.5mm (Mechanical Surface Detection (Locations From Previous Scan Used)), Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Phantom: SAM v5.0 (B); Type: QD000P40CD; Serial: 1628

**LHS/Touch\_1xRTT\_RC3 SO55\_ch 600/Area Scan (8x12x1):** Measurement grid: dx=15mm, dy=15mm  
 Maximum value of SAR (measured) = 0.930 W/kg

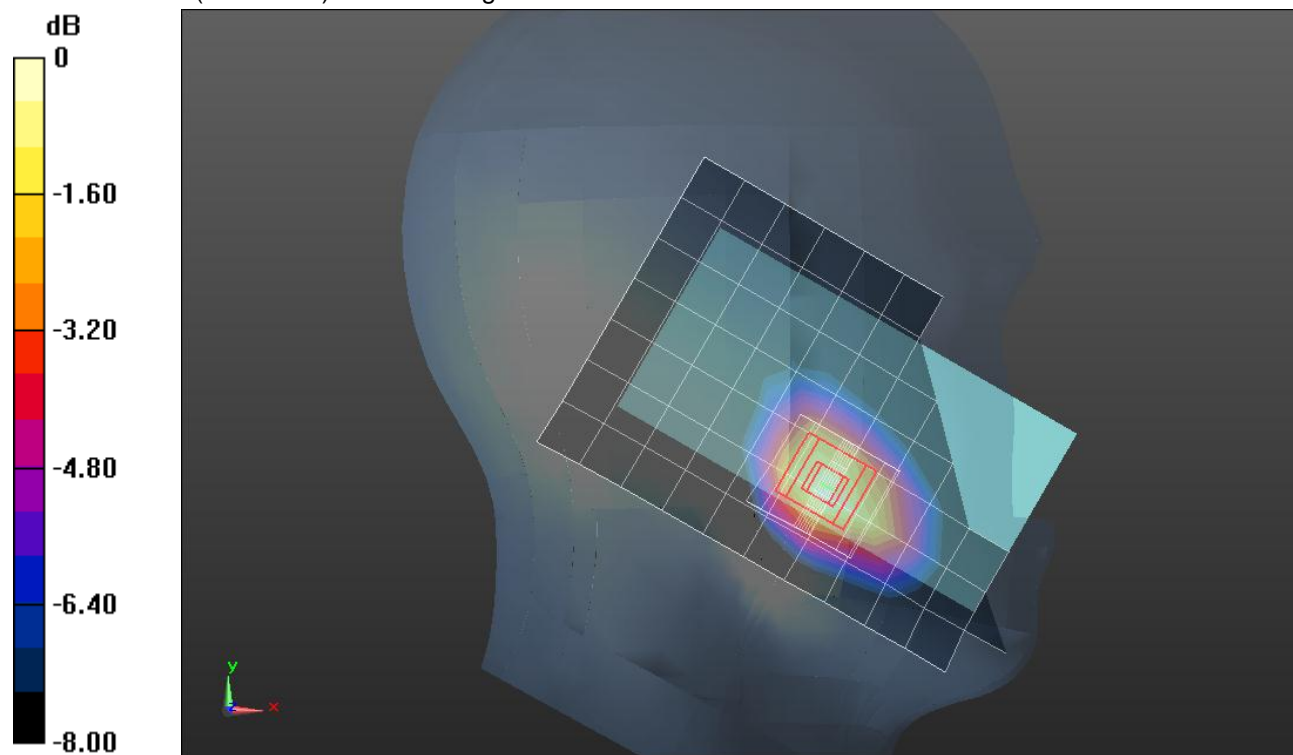
**LHS/Touch\_1xRTT\_RC3 SO55\_ch 600/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 24.939 V/m; Power Drift = 0.03 dB

Peak SAR (extrapolated) = 1.25 W/kg

**SAR(1 g) = 0.780 W/kg; SAR(10 g) = 0.460 W/kg**

Maximum value of SAR (measured) = 0.971 W/kg



0 dB = 0.971 W/kg = -0.13 dBW/kg

## CDMA BC1

Frequency: 1851.25 MHz; Duty Cycle: 1:1; Room Ambient Temperature: 24.0°C; Liquid Temperature: 23.0°C  
 Medium parameters used (interpolated):  $f = 1851.25 \text{ MHz}$ ;  $\sigma = 1.522 \text{ S/m}$ ;  $\epsilon_r = 55.19$ ;  $\rho = 1000 \text{ kg/m}^3$

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 Sn1239; Calibrated: 4/9/2013
- Probe: EX3DV4 - SN3749; ConvF(6.99, 6.99, 6.99); Calibrated: 1/15/2013;
- Sensor-Surface: 2.5mm (Mechanical Surface Detection (Locations From Previous Scan Used)), Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Phantom: ELI v5.0 (A); Type: QDOVA001BB; Serial: 1120

**Rear/1xEVDO\_Rel. 0\_Ch 25/Area Scan (8x12x1):** Measurement grid: dx=15mm, dy=15mm

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

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

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

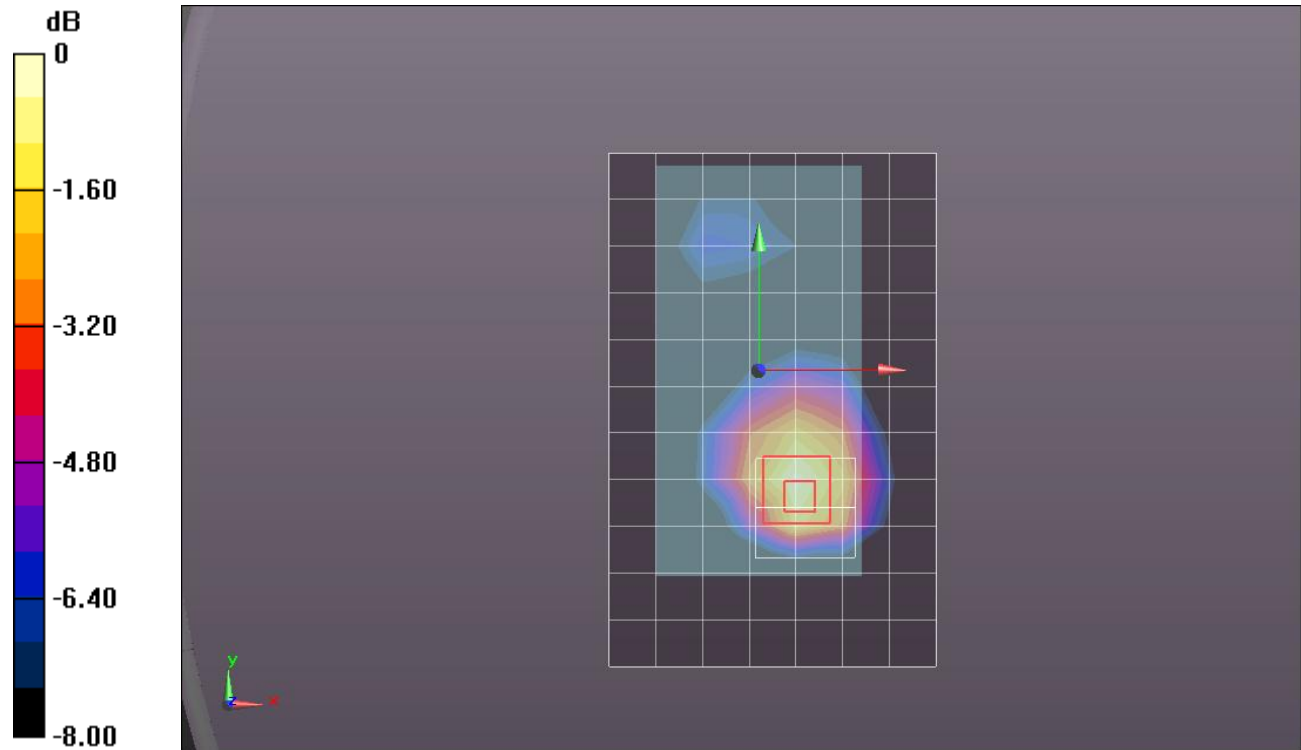
Reference Value = 30.445 V/m; Power Drift = 0.02 dB

Peak SAR (extrapolated) = 1.81 W/kg

**SAR(1 g) = 1.09 W/kg; SAR(10 g) = 0.628 W/kg**

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

Maximum value of SAR (measured) = 1.37 W/kg



0 dB = 1.37 W/kg = 1.37 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;  $\sigma = 1.348$  S/m;  $\epsilon_r = 41.305$ ;  $\rho = 1000$  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 - SN3772; ConvF(7.69, 7.69, 7.69); Calibrated: 2/20/2013;
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Phantom: SAM; Type: QD000P40CD; Serial: 1629

**RHS/Touch\_QPSK\_1/0 RB\_Ch 20175/Area Scan (8x12x1):** Measurement grid: dx=15mm, dy=15mm

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

Maximum value of SAR (measured) = 0.449 W/kg

**RHS/Touch\_QPSK\_1/0 RB\_Ch 20175/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

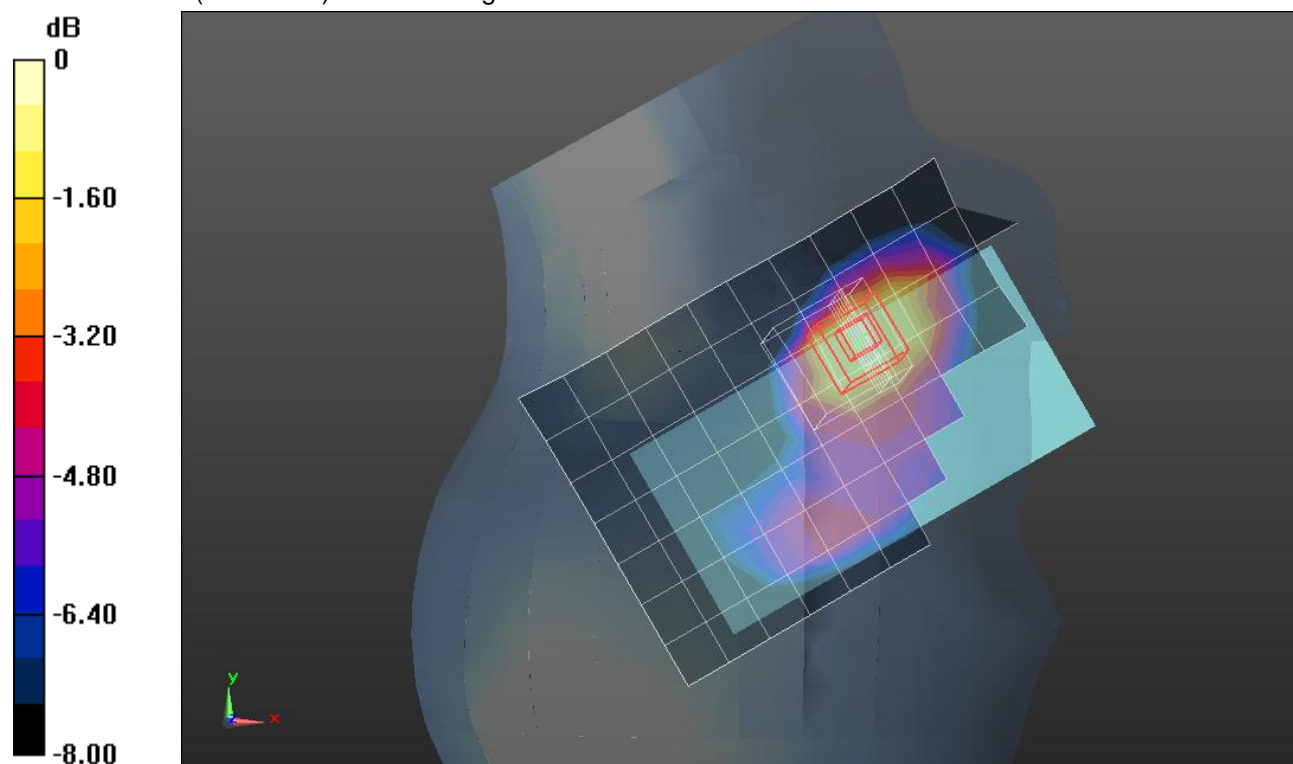
Reference Value = 18.577 V/m; Power Drift = 0.09 dB

Peak SAR (extrapolated) = 0.650 W/kg

**SAR(1 g) = 0.439 W/kg; SAR(10 g) = 0.282 W/kg**

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

Maximum value of SAR (measured) = 0.532 W/kg



0 dB = 0.532 W/kg = -2.74 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;  $\sigma = 1.52$  S/m;  $\epsilon_r = 52.639$ ;  $\rho = 1000$  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 - SN3772; ConvF(7.1, 7.1, 7.1); Calibrated: 2/20/2013;
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Phantom: ELI v5.0 (B); Type: QDOVA001BB; Serial: 1118

**Rear/QPSK\_1/0 RB\_Ch 20175/Area Scan (8x12x1):** Measurement grid: dx=15mm, dy=15mm

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

Maximum value of SAR (measured) = 1.28 W/kg

**Rear/QPSK\_1/0 RB\_Ch 20175/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

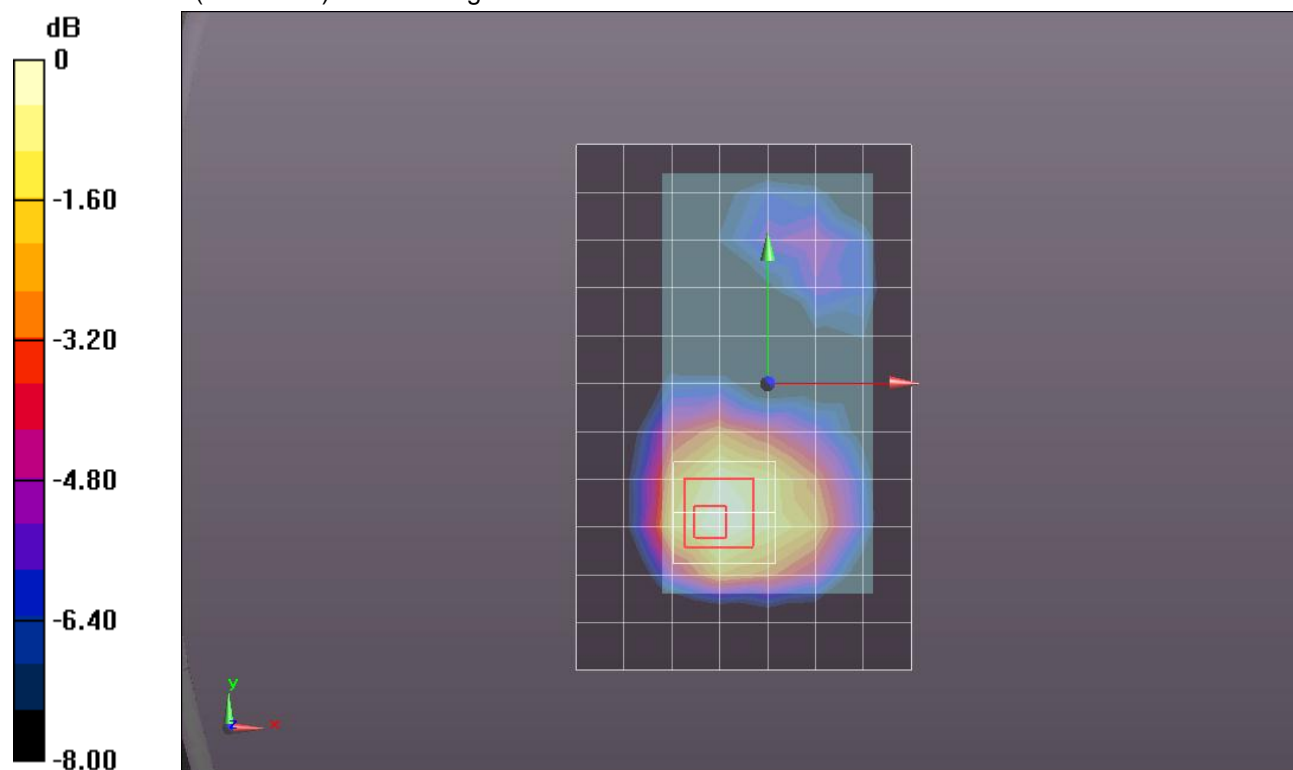
Reference Value = 29.103 V/m; Power Drift = 0.13 dB

Peak SAR (extrapolated) = 1.68 W/kg

**SAR(1 g) = 1.05 W/kg; SAR(10 g) = 0.650 W/kg**

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

Maximum value of SAR (measured) = 1.25 W/kg



0 dB = 1.25 W/kg = 0.97 dBW/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):  $f = 782 \text{ MHz}$ ;  $\sigma = 0.928 \text{ S/m}$ ;  $\epsilon_r = 39.876$ ;  $\rho = 1000 \text{ kg/m}^3$

DASY5 Configuration:

- Area Scan Setting: Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.0012W/kg
- Electronics: DAE4 Sn1343; Calibrated: 7/24/2013
- Probe: EX3DV4 - SN3885; ConvF(9.53, 9.53, 9.53); Calibrated: 9/18/2013;
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Phantom: SAM with CRP; Type: SAM;

**RHS/Touch\_QPSK\_1/0 RB\_Ch 23230/Area Scan (8x12x1):** Measurement grid: dx=15mm, dy=15mm

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

Maximum value of SAR (measured) = 0.235 W/kg

**RHS/Touch\_QPSK\_1/0 RB\_Ch 23230/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

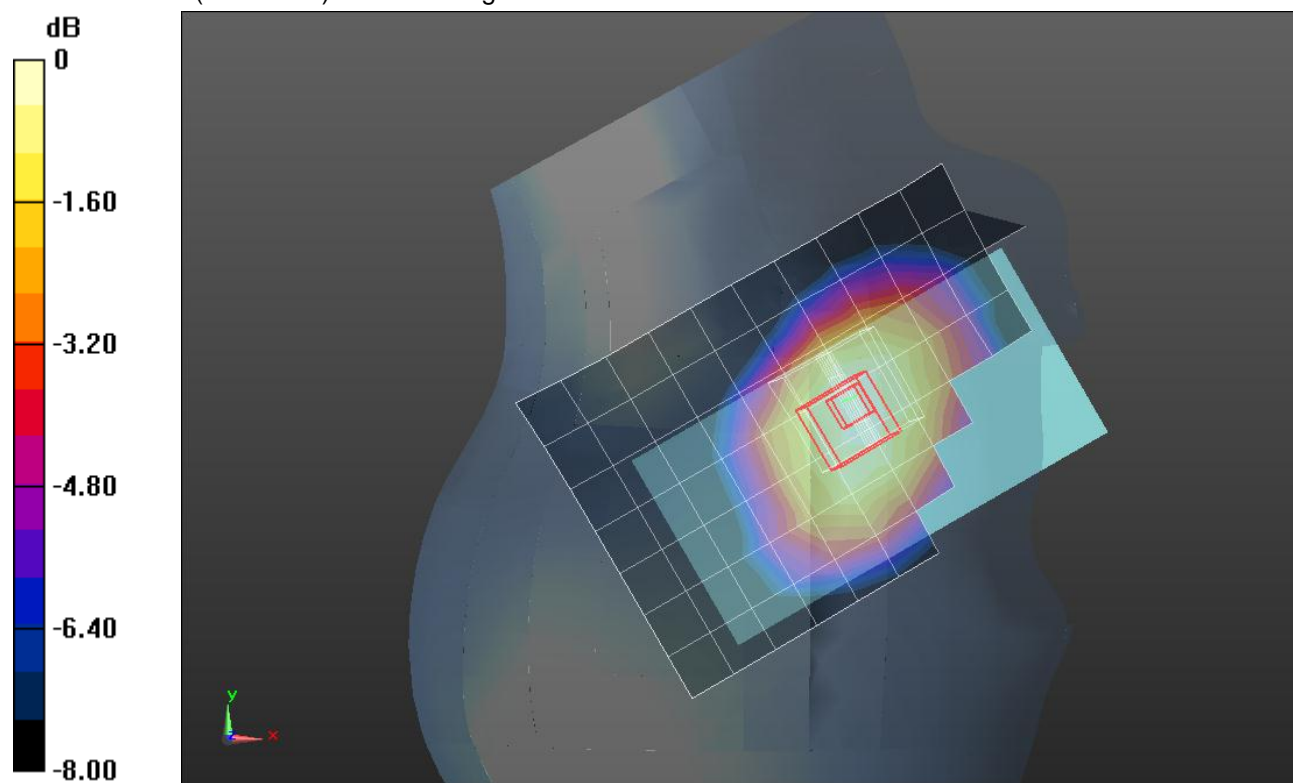
Reference Value = 16.357 V/m; Power Drift = 0.17 dB

Peak SAR (extrapolated) = 0.277 W/kg

**SAR(1 g) = 0.210 W/kg; SAR(10 g) = 0.158 W/kg**

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

Maximum value of SAR (measured) = 0.237 W/kg



0 dB = 0.237 W/kg = -6.25 dBW/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):  $f = 782 \text{ MHz}$ ;  $\sigma = 1.005 \text{ S/m}$ ;  $\epsilon_r = 54.782$ ;  $\rho = 1000 \text{ kg/m}^3$

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: 7/24/2013
- Probe: EX3DV4 - SN3885; ConvF(9.14, 9.14, 9.14); Calibrated: 9/18/2013;
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Phantom: ELI v5.0 (B); Type: QDOVA001BB; Serial: 1118

**Rear/QPSK\_1/0 RB\_Ch 23230/Area Scan (8x12x1):** Measurement grid: dx=15mm, dy=15mm

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

Maximum value of SAR (measured) = 0.491 W/kg

**Rear/QPSK\_1/0 RB\_Ch 23230/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

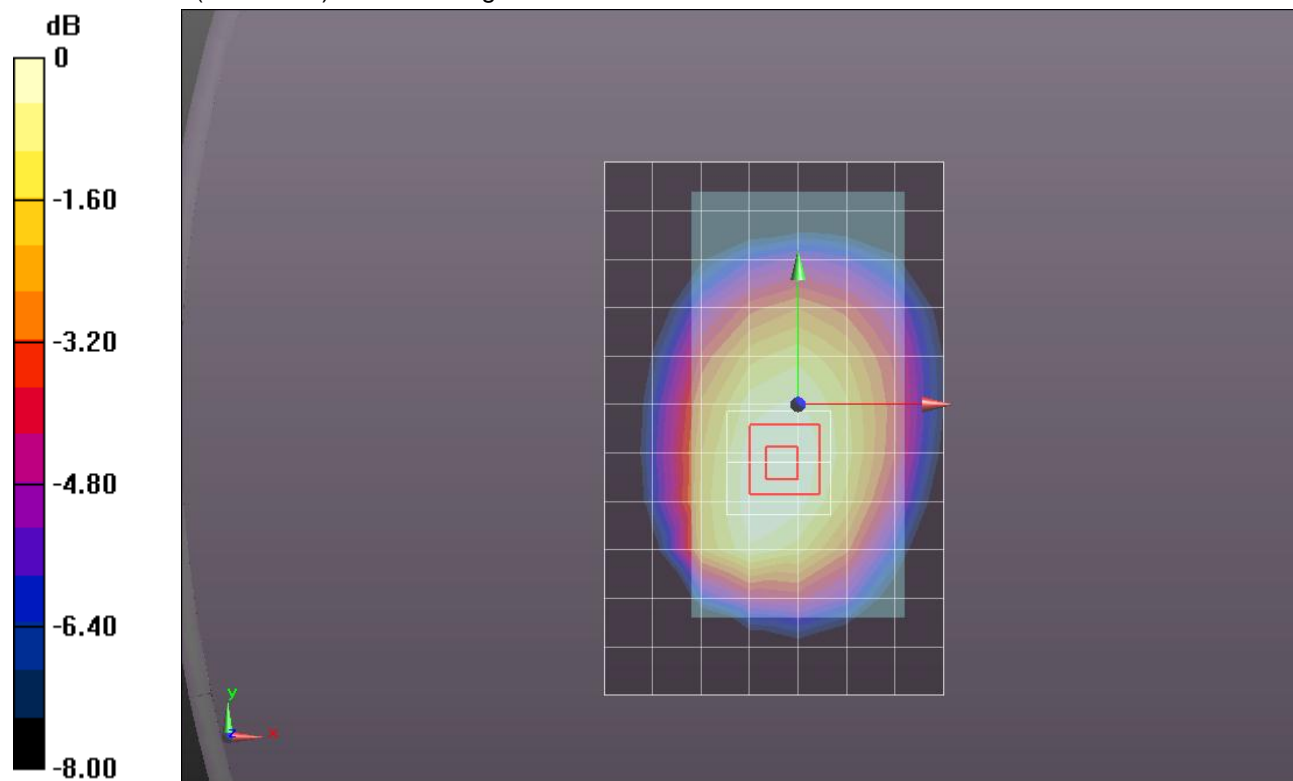
Reference Value = 22.453 V/m; Power Drift = 0.06 dB

Peak SAR (extrapolated) = 0.554 W/kg

**SAR(1 g) = 0.435 W/kg; SAR(10 g) = 0.328 W/kg**

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

Maximum value of SAR (measured) = 0.492 W/kg



0 dB = 0.492 W/kg = -3.08 dBW/kg

## WiFi 2.4 GHz

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;  $\sigma = 1.834$  S/m;  $\epsilon_r = 38.149$ ;  $\rho = 1000$  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 Sn1360; Calibrated: 2/7/2013
- Probe: EX3DV4 - SN3686; ConvF(6.82, 6.82, 6.82); Calibrated: 3/11/2013;
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Phantom: SAM v5.0 ; Type: QD000P40CD; Serial: 1742

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

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

Maximum value of SAR (measured) = 0.289 W/kg

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

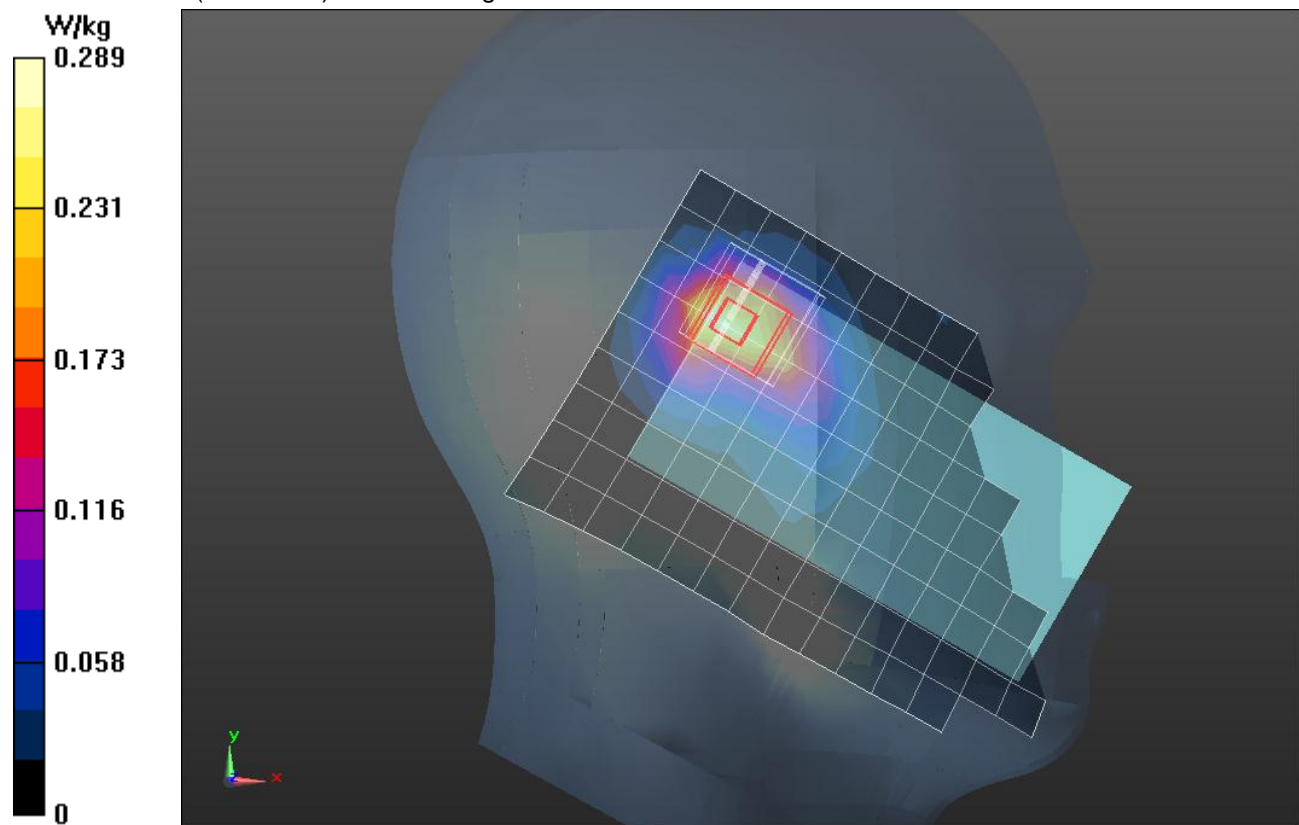
Reference Value = 12.934 V/m; Power Drift = 0.03 dB

Peak SAR (extrapolated) = 0.468 W/kg

**SAR(1 g) = 0.226 W/kg; SAR(10 g) = 0.107 W/kg**

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

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



## Wi-Fi 2.4 GHz

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;  $\sigma = 1.923$  S/m;  $\epsilon_r = 50.863$ ;  $\rho = 1000$  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 Sn1360; Calibrated: 2/7/2013
- Probe: EX3DV4 - SN3686; ConvF(6.92, 6.92, 6.92); Calibrated: 3/11/2013;
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Phantom: ELI B v5.0; Type: QDOVA001BB; Serial: 1121

**Rear/802.11b\_Ch. 6/Area Scan (10x15x1):** Measurement grid: dx=12mm, dy=12mm

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

Maximum value of SAR (measured) = 0.121 W/kg

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

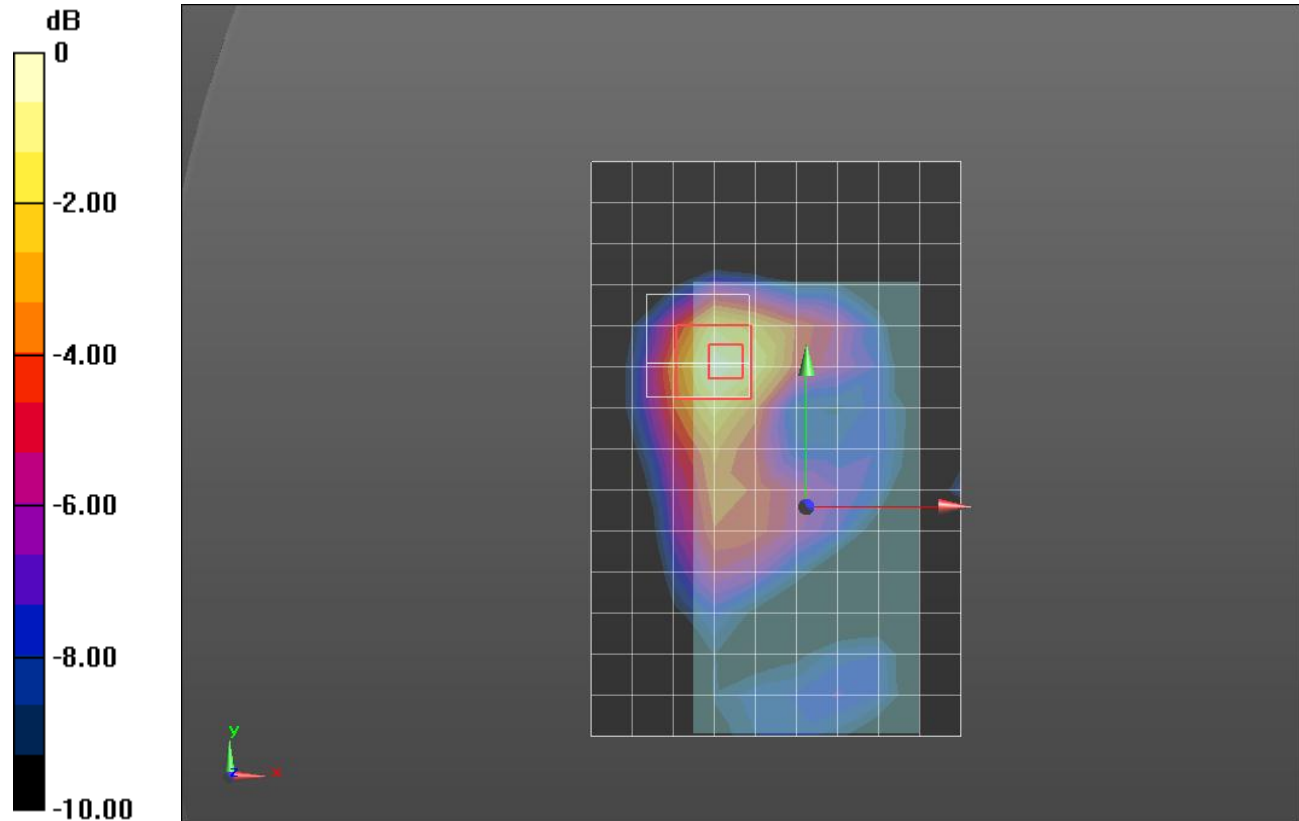
Reference Value = 6.089 V/m; Power Drift = 0.05 dB

Peak SAR (extrapolated) = 0.185 W/kg

**SAR(1 g) = 0.093 W/kg; SAR(10 g) = 0.046 W/kg**

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

Maximum value of SAR (measured) = 0.125 W/kg



0 dB = 0.125 W/kg = -9.03 dBW/kg

## WiFi 5.8 GHz

Frequency: 5785 MHz; Duty Cycle: 1:1; Room Ambient Temperature: 24.0°C; Liquid Temperature: 23.0°C  
 Medium parameters used:  $f = 5785 \text{ MHz}$ ;  $\sigma = 5.153 \text{ S/m}$ ;  $\epsilon_r = 35.102$ ;  $\rho = 1000 \text{ kg/m}^3$

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 - SN3772; ConvF(4.12, 4.12, 4.12); Calibrated: 2/20/2013;
- Sensor-Surface: 2mm (Mechanical Surface Detection (Locations From Previous Scan Used)), Sensor-Surface: 2mm (Mechanical Surface Detection)
- Phantom: SAM; Type: QD000P40CD; Serial: 1629

**LHS/Touch\_802.11a\_Ch. 157/Area Scan (10x17x1):** Measurement grid: dx=10mm, dy=10mm  
 Maximum value of SAR (measured) = 0.401 W/kg

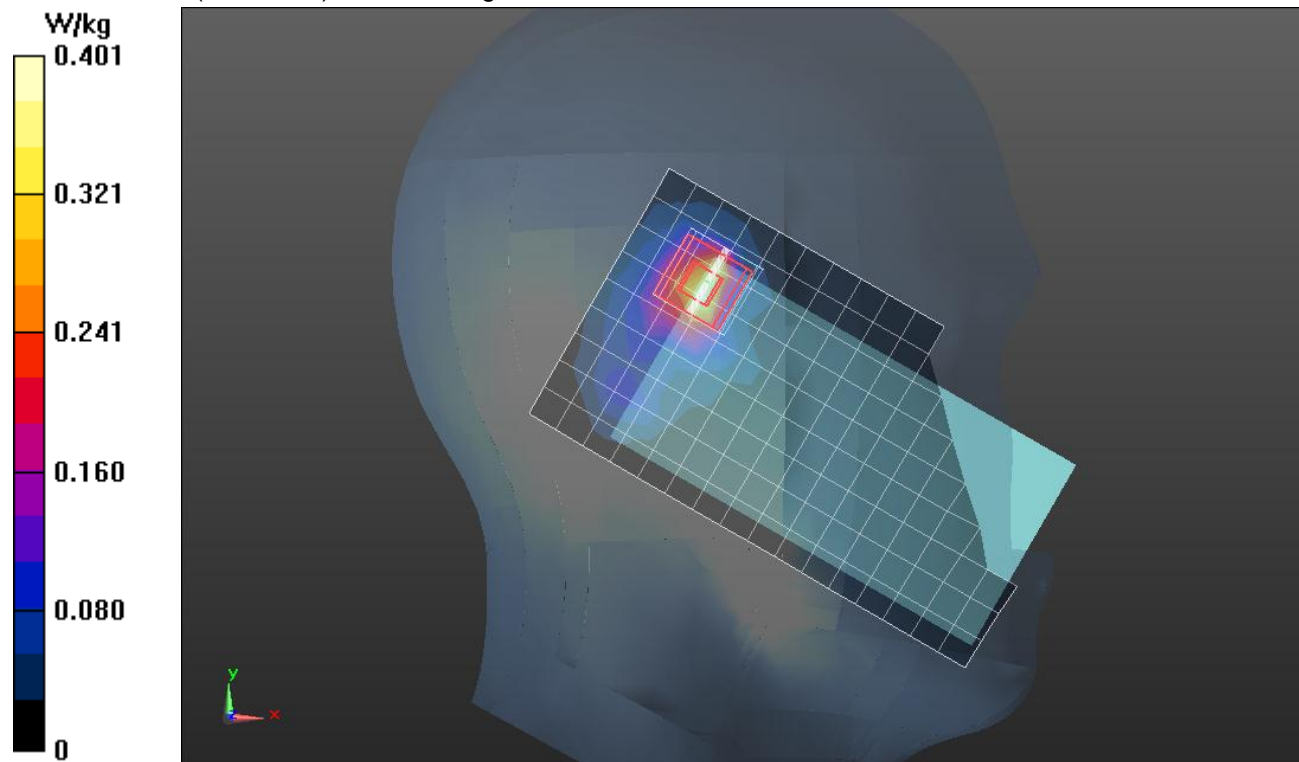
**LHS/Touch\_802.11a\_Ch. 157/Zoom Scan (7x7x12)/Cube 0:** Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 9.010 V/m; Power Drift = 0.13 dB

Peak SAR (extrapolated) = 0.916 W/kg

**SAR(1 g) = 0.227 W/kg; SAR(10 g) = 0.064 W/kg**

Maximum value of SAR (measured) = 0.492 W/kg



## WiFi 5.8 GHz

Frequency: 5785 MHz; Duty Cycle: 1:1; Room Ambient Temperature: 24.0°C; Liquid Temperature: 23.0°C  
 Medium parameters used:  $f = 5785 \text{ MHz}$ ;  $\sigma = 5.153 \text{ S/m}$ ;  $\epsilon_r = 35.102$ ;  $\rho = 1000 \text{ kg/m}^3$

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 - SN3772; ConvF(4.12, 4.12, 4.12); Calibrated: 2/20/2013;
- Sensor-Surface: 2mm (Mechanical Surface Detection (Locations From Previous Scan Used)), Sensor-Surface: 2mm (Mechanical Surface Detection)
- Phantom: ELI v5.0 (B); Type: QDOVA001BB; Serial: 1118

**Edge 1/802.11a\_Ch 157/Area Scan (9x11x1):** Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (measured) = 0.213 W/kg

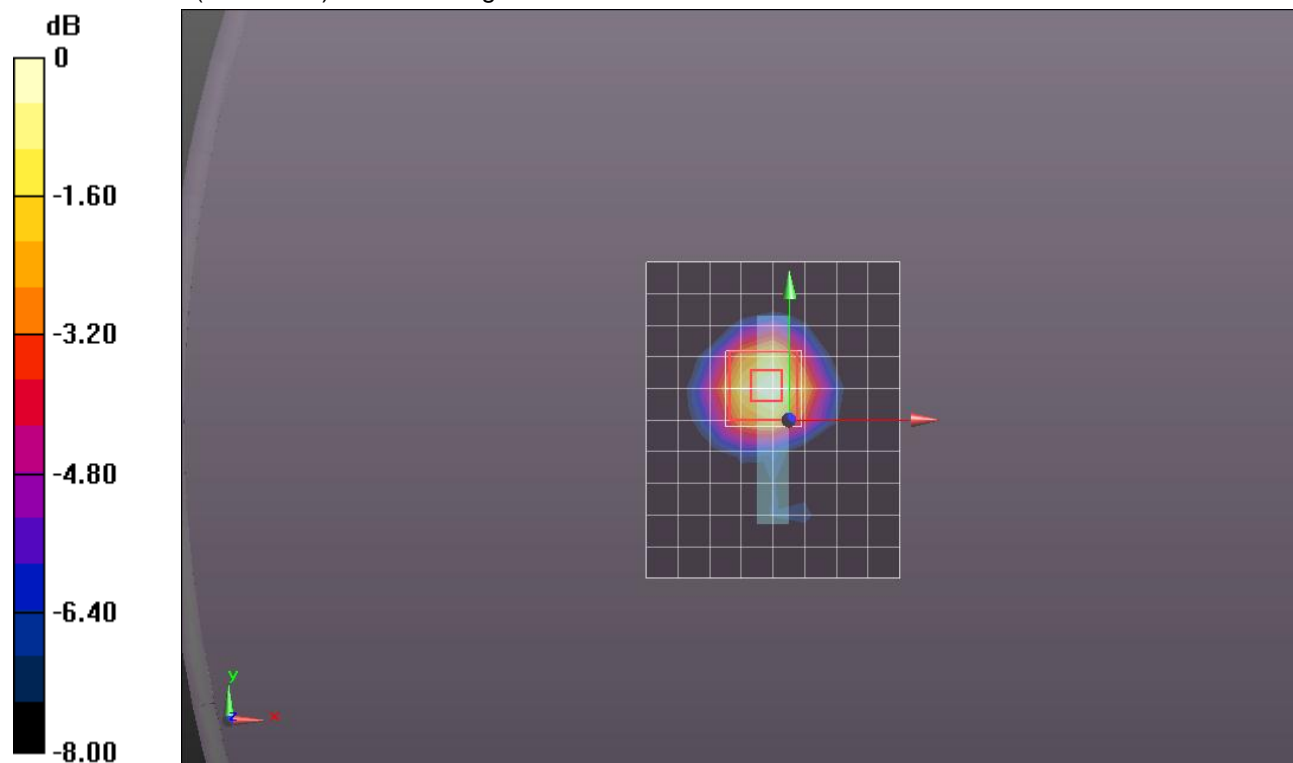
**Edge 1/802.11a\_Ch 157/Zoom Scan (7x7x12)/Cube 0:** Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 6.130 V/m; Power Drift = 0.05 dB

Peak SAR (extrapolated) = 0.519 W/kg

**SAR(1 g) = 0.112 W/kg; SAR(10 g) = 0.042 W/kg**

Maximum value of SAR (measured) = 0.205 W/kg



0 dB = 0.205 W/kg = -6.88 dBW/kg



## WiFi 5.5 GHz

Frequency: 5560 MHz; Duty Cycle: 1:1; Room Ambient Temperature: 24.0°C; Liquid Temperature: 23.0°C  
 Medium parameters used:  $f = 5560$  MHz;  $\sigma = 4.918$  S/m;  $\epsilon_r = 35.398$ ;  $\rho = 1000$  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 - SN3772; ConvF(4.28, 4.28, 4.28); Calibrated: 2/20/2013;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Phantom: SAM; Type: QD000P40CD; Serial: 1629

**LHS/Touch\_802.11a\_Ch. 112/Area Scan (10x17x1):** Measurement grid: dx=10mm, dy=10mm

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

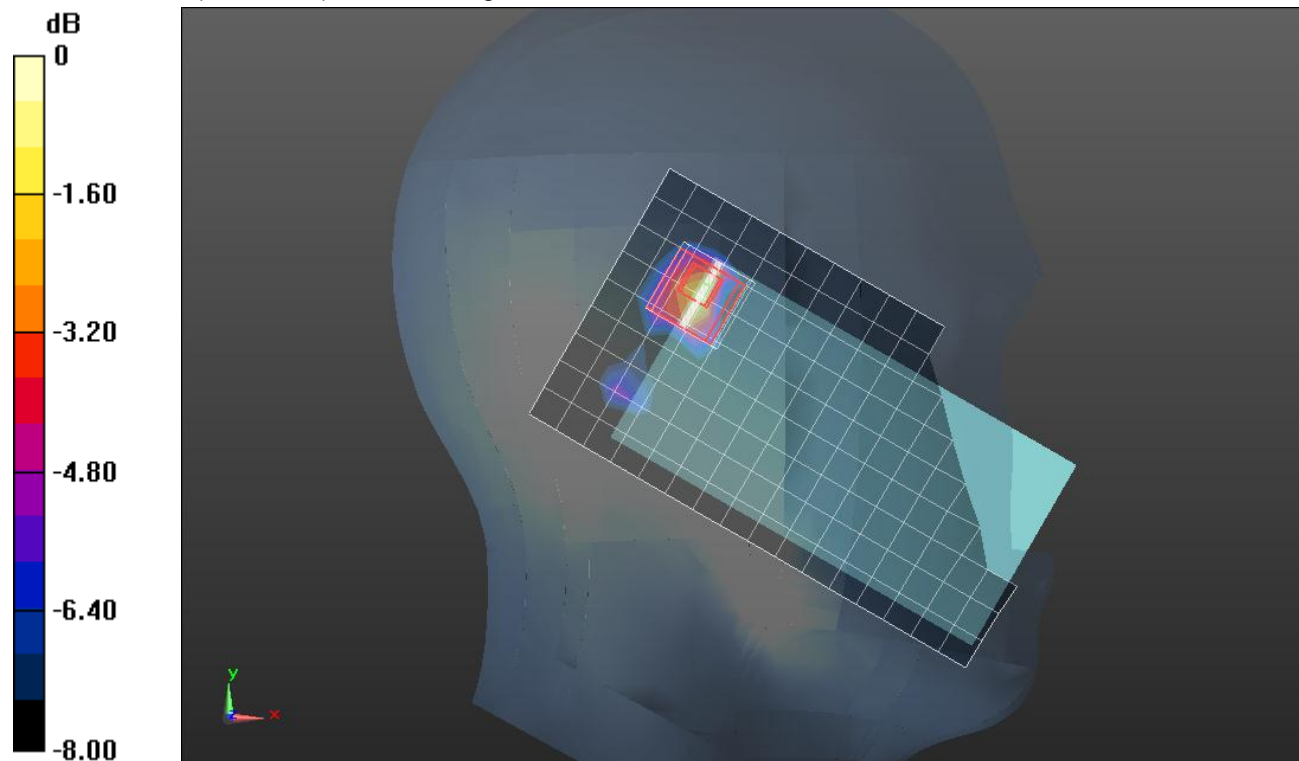
**LHS/Touch\_802.11a\_Ch. 112/Zoom Scan (7x7x12)/Cube 0:** Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 9.660 V/m; Power Drift = 0.08 dB

Peak SAR (extrapolated) = 2.46 W/kg

**SAR(1 g) = 0.258 W/kg; SAR(10 g) = 0.081 W/kg**

Maximum value of SAR (measured) = 0.564 W/kg



0 dB = 0.564 W/kg = -2.49 dBW/kg

## WiFi 5.5 GHz

Frequency: 5560 MHz; Duty Cycle: 1:1; Room Ambient Temperature: 24.0°C; Liquid Temperature: 23.0°C  
 Medium parameters used:  $f = 5560$  MHz;  $\sigma = 4.918$  S/m;  $\epsilon_r = 35.398$ ;  $\rho = 1000$  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 - SN3772; ConvF(4.28, 4.28, 4.28); Calibrated: 2/20/2013;
- Sensor-Surface: 2mm (Mechanical Surface Detection (Locations From Previous Scan Used)), Sensor-Surface: 2mm (Mechanical Surface Detection)
- Phantom: ELI v5.0 (B); Type: QDOVA001BB; Serial: 1118

**Rear/802.11a\_Ch 112/Area Scan (10x18x1):** Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (measured) = 0.185 W/kg

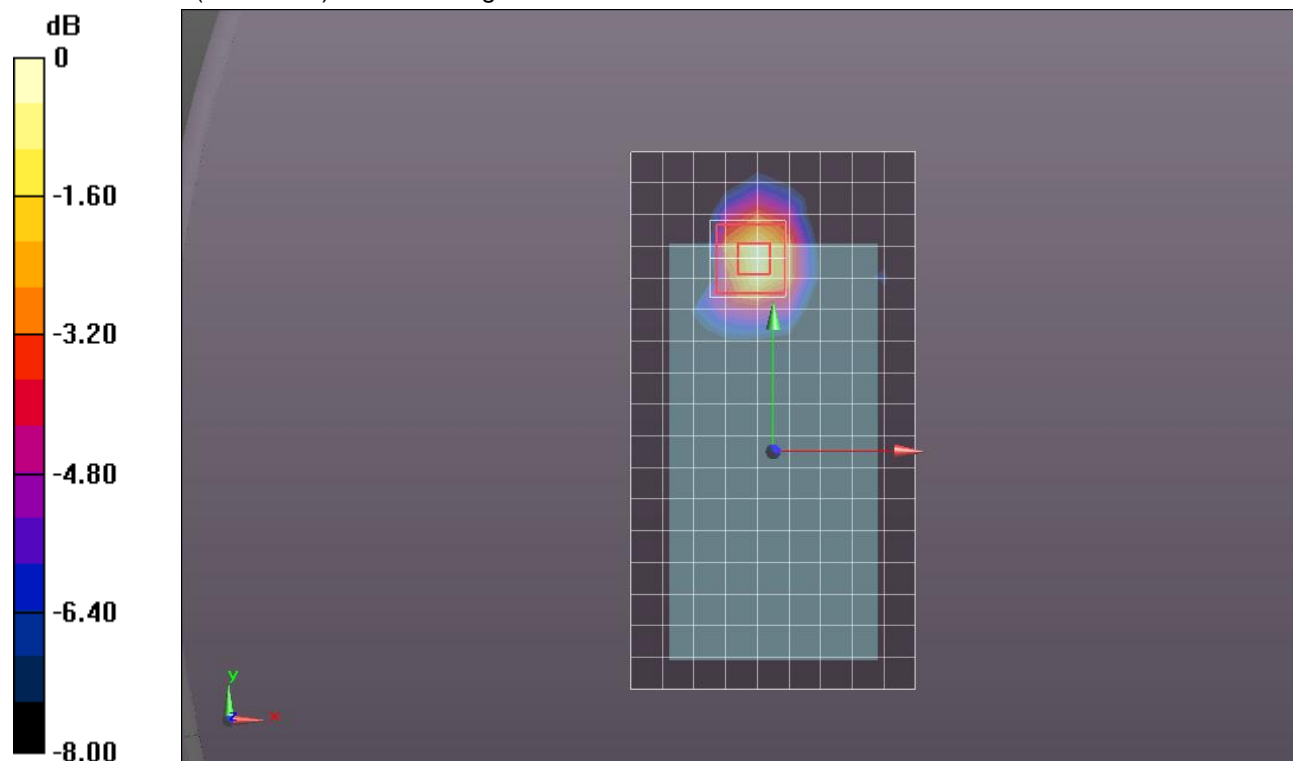
**Rear/802.11a\_Ch 112/Zoom Scan (7x7x12)/Cube 0:** Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 5.711 V/m; Power Drift = 0.03 dB

Peak SAR (extrapolated) = 0.391 W/kg

**SAR(1 g) = 0.103 W/kg; SAR(10 g) = 0.038 W/kg**

Maximum value of SAR (measured) = 0.199 W/kg



0 dB = 0.199 W/kg = -7.01 dBW/kg