

Test Laboratory: UL CCS SAR Lab B

**20111020\_ELI-B\_SystemPerformanceCheck-D1900V2 SN 5d140**

Communication System: CW; Frequency: 1800 MHz; Duty Cycle: 1:1

Medium parameters used:  $f = 1800$  MHz;  $\sigma = 1.363$  mho/m;  $\epsilon_r = 53.118$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

Room Ambient Temperature: 24.0 deg. C; Liquid Temperature: 23.0 deg. C

DASY5 Configuration:

- Area Scan setting - Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.0012W/kg
- Probe: EX3DV4 - SN3773; ConvF(7.72, 7.72, 7.72); Calibrated: 5/3/2011
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1258; Calibrated: 5/2/2011
- Phantom: ELI v5.0 (B); Type: QDOVA001BB; Serial: 1118
- Measurement SW: DASY52, Version 52.6 (2); SEMCAD X Version 14.4.5 (3634)

**Body/Pin=100 mW/Area Scan (61x61x1):** Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 5.334 mW/g

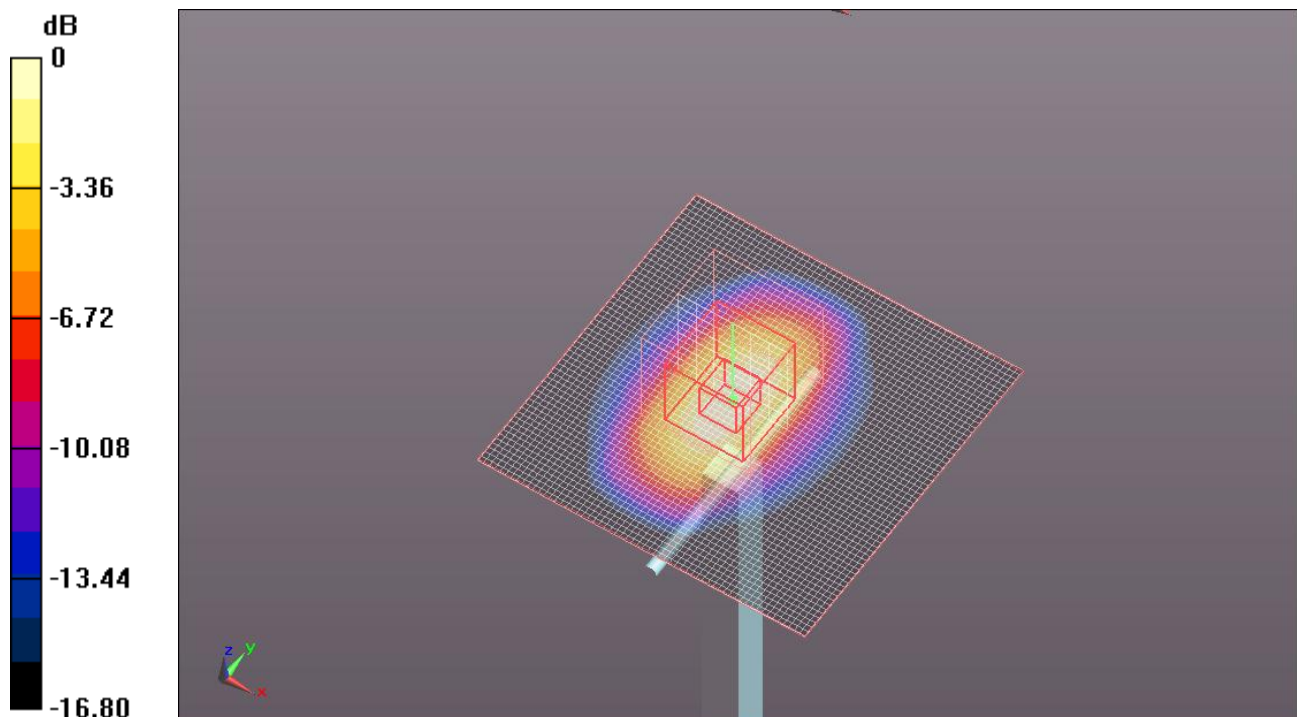
**Body/Pin=100 mW/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 62.903 V/m; Power Drift = 0.00076 dB

Peak SAR (extrapolated) = 7.290 W/kg

**SAR(1 g) = 4.02 mW/g; SAR(10 g) = 2.11 mW/g**

Maximum value of SAR (measured) = 5.419 mW/g



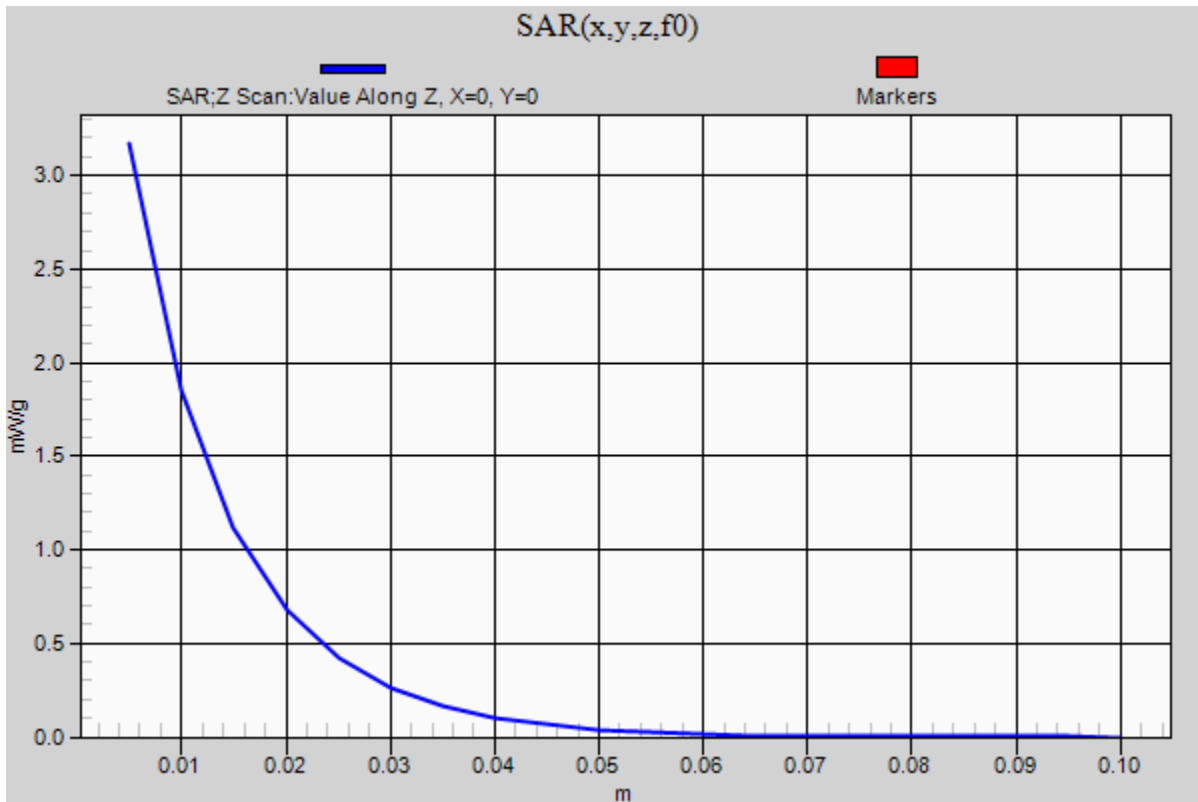
0 dB = 5.420mW/g

Test Laboratory: UL CCS SAR Lab B

### 20111020\_ELI-B\_SystemPerformanceCheck-D1900V2 SN 5d140

Communication System: CW; Frequency: 1800 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) = 3.169 mW/g



Test Laboratory: UL CCS SAR Lab B

**20111020\_ELI-A\_SystemPerformanceCheck-D835V2 SN 4d117**

Communication System: CW; Frequency: 835 MHz; Duty Cycle: 1:1

Medium parameters used:  $f = 835$  MHz;  $\sigma = 0.997$  mho/m;  $\epsilon_r = 55.777$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

Room Ambient Temperature: 24.0 deg. C; Liquid Temperature: 23.0 deg. C

DASY5 Configuration:

- Area Scan setting - Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.0012W/kg
- Probe: EX3DV4 - SN3773; ConvF(8.67, 8.67, 8.67); Calibrated: 5/3/2011
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1258; Calibrated: 5/2/2011
- Phantom: ELI v5.0 (A); Type: QDOVA001BB; Serial: 1117
- Measurement SW: DASY52, Version 52.6 (2); SEMCAD X Version 14.4.5 (3634)

**Body/Pin=100 mW/Area Scan (61x61x1):** Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 1.271 mW/g

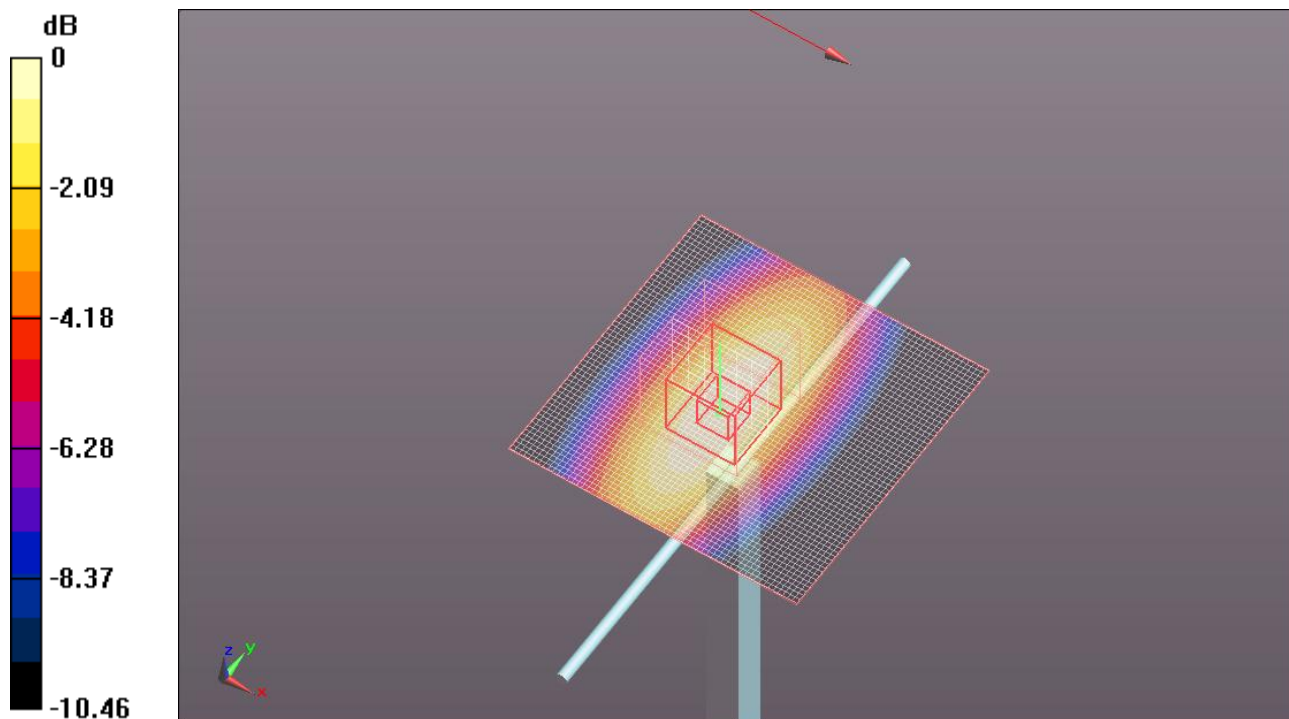
**Body/Pin=100 mW/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 35.706 V/m; Power Drift = -0.11 dB

Peak SAR (extrapolated) = 1.540 W/kg

**SAR(1 g) = 1.02 mW/g; SAR(10 g) = 0.670 mW/g**

Maximum value of SAR (measured) = 1.250 mW/g



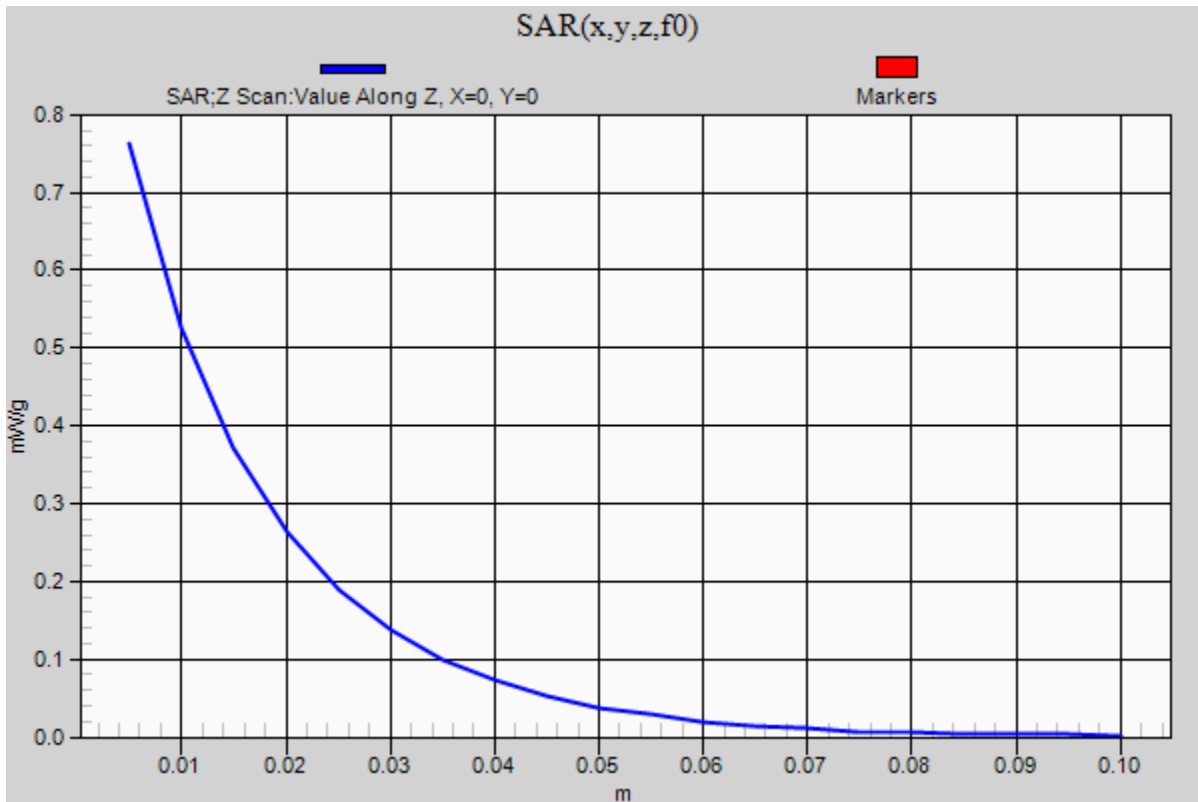
0 dB = 1.250mW/g

Test Laboratory: UL CCS SAR Lab B

### 20111020\_ELI-A\_SystemPerformanceCheck-D835V2 SN 4d117

Communication System: CW; 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) = 0.763 mW/g



Test Laboratory: UL CCS SAR Lab A

**20111020 SystemPerformanceCheck-D750V3 SN 1019**

Communication System: CW; Frequency: 750 MHz; Duty Cycle: 1:1

Medium parameters used:  $f = 750$  MHz;  $\sigma = 0.981$  mho/m;  $\epsilon_r = 54.582$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

Room Ambient Temperature: 24.0 deg. C; Liquid Temperature: 23.0 deg. C

DASY5 Configuration:

- Area Scan setting - Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.0012W/kg
- Probe: EX3DV4 - SN3686; ConvF(8.87, 8.87, 8.87); Calibrated: 1/24/2011
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn500; Calibrated: 7/14/2011
- Phantom: ELI v4.0(B); Type: QDOVA001BB; Serial: 1099
- Measurement SW: DASY52, Version 52.6 (2); SEMCAD X Version 14.4.5 (3634)

**Body/Pin=100 mW/Area Scan (61x61x1):** Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 1.140 mW/g

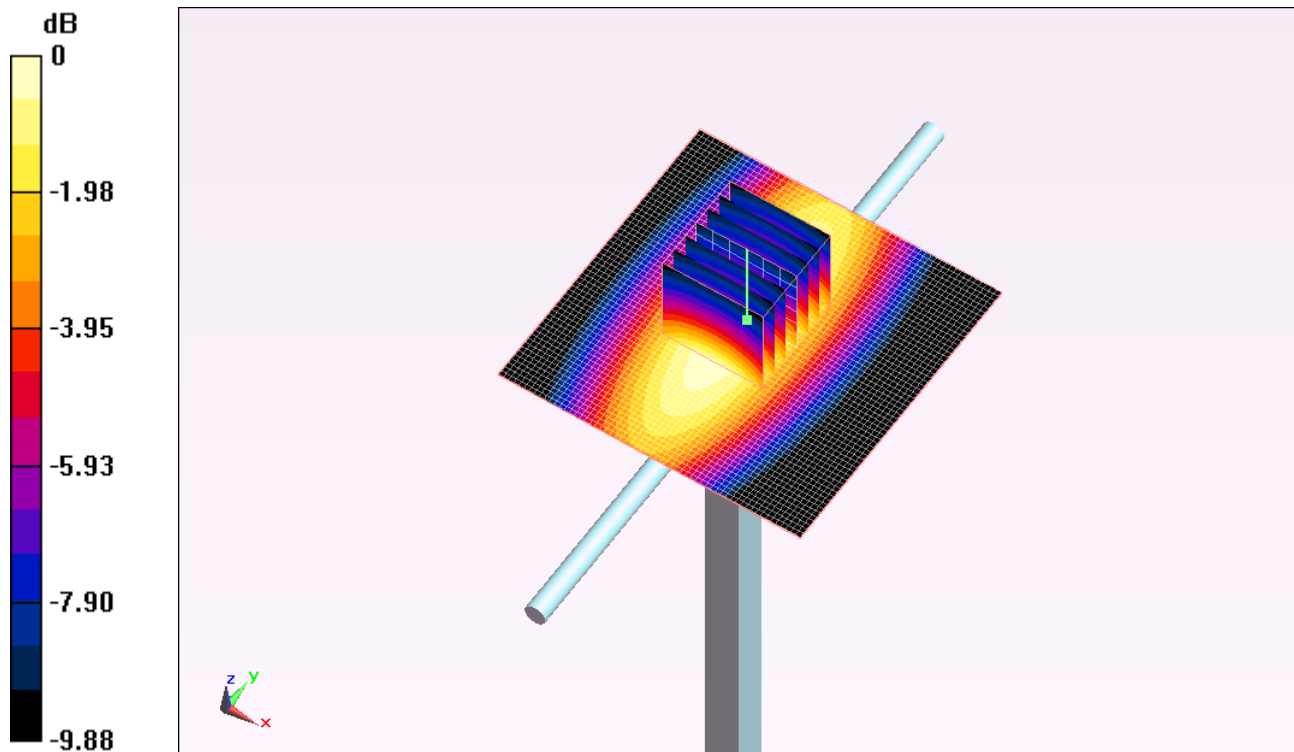
**Body/Pin=100 mW/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 33.730 V/m; Power Drift = 0.02 dB

Peak SAR (extrapolated) = 1.376 W/kg

**SAR(1 g) = 0.930 mW/g; SAR(10 g) = 0.618 mW/g**

Maximum value of SAR (measured) = 1.125 mW/g



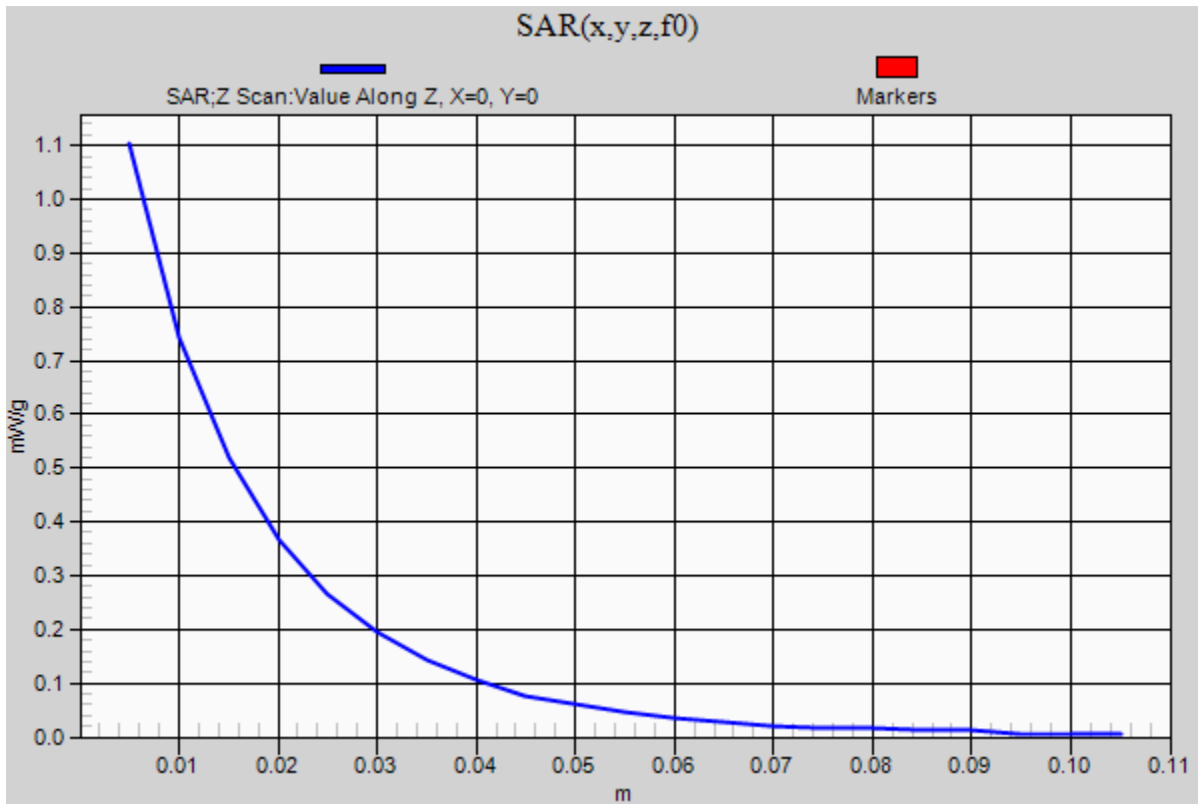
0 dB = 1.120mW/g

Test Laboratory: UL CCS SAR Lab A

### 20111020 SystemPerformanceCheck-D750V3 SN 1019

Communication System: CW; 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) = 1.103 mW/g



Test Laboratory: UL CCS SAR Lab A

**20111021 SystemPerformanceCheck-D750V3 SN 1019**

Communication System: CW; Frequency: 750 MHz; Duty Cycle: 1:1

Medium parameters used:  $f = 750$  MHz;  $\sigma = 0.984$  mho/m;  $\epsilon_r = 54.41$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

Room Ambient Temperature: 24.0 deg. C; Liquid Temperature: 23.0 deg. C

DASY5 Configuration:

- Area Scan setting - Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.0012W/kg
- Probe: EX3DV4 - SN3686; ConvF(8.87, 8.87, 8.87); Calibrated: 1/24/2011
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn500; Calibrated: 7/14/2011
- Phantom: ELI v4.0(B); Type: QDOVA001BB; Serial: 1099
- Measurement SW: DASY52, Version 52.6 (2); SEMCAD X Version 14.4.5 (3634)

**Body/Pin=100 mW/Area Scan (61x61x1):** Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 1.051 mW/g

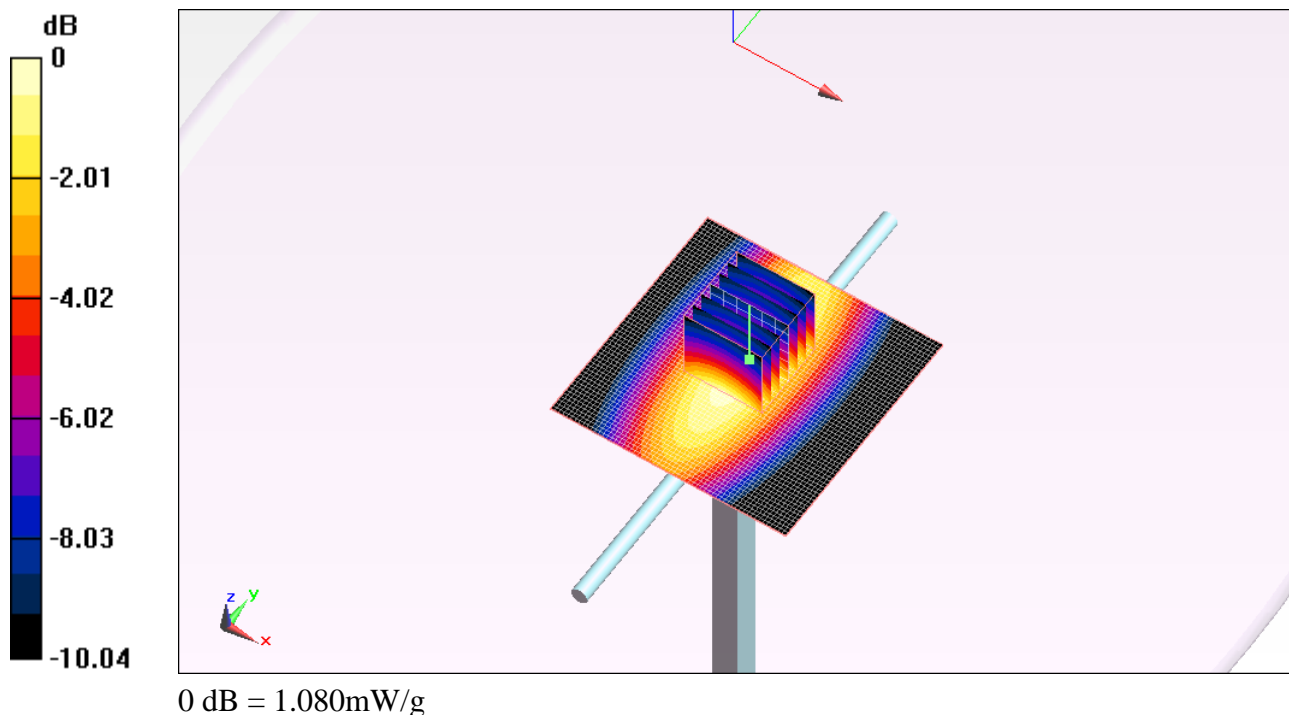
**Body/Pin=100 mW/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 32.960 V/m; Power Drift = -0.17 dB

Peak SAR (extrapolated) = 1.321 W/kg

**SAR(1 g) = 0.886 mW/g; SAR(10 g) = 0.585 mW/g**

Maximum value of SAR (measured) = 1.077 mW/g

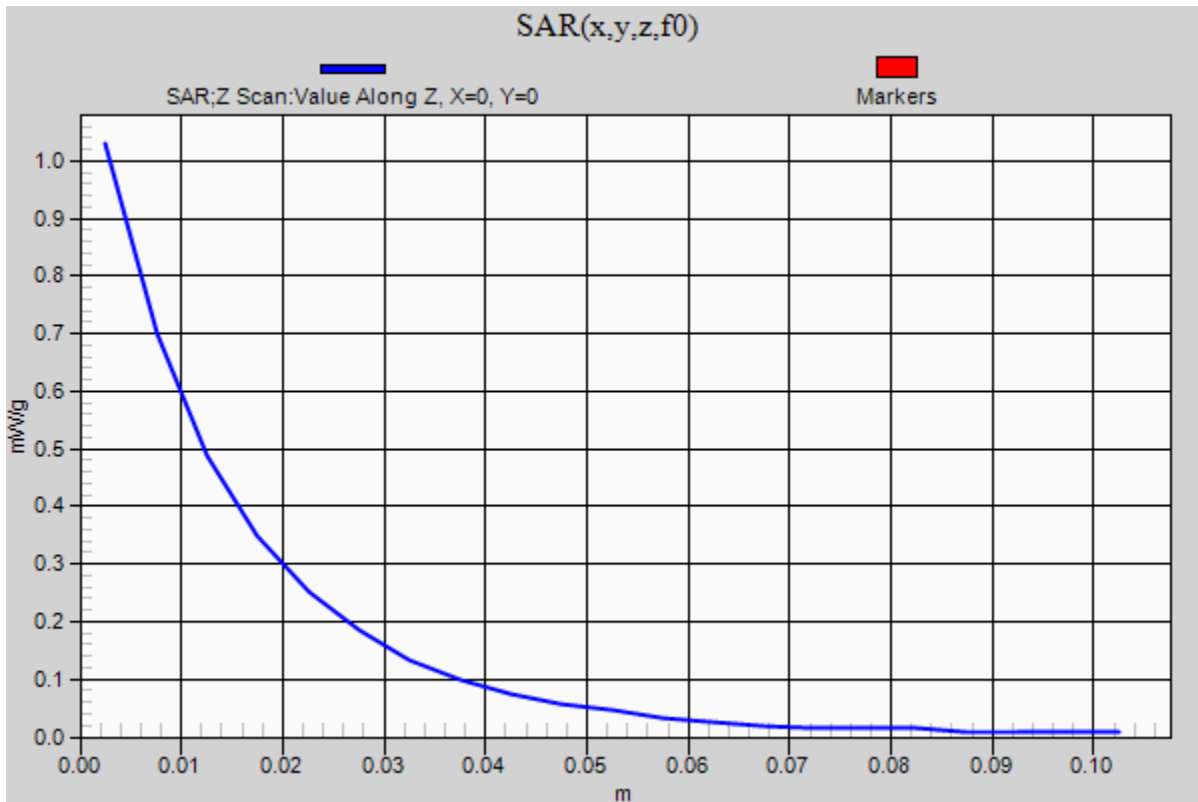


Test Laboratory: UL CCS SAR Lab A

### 20111021 SystemPerformanceCheck-D750V3 SN 1019

Communication System: CW; 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) = 1.030 mW/g





Test Laboratory: UL CCS SAR Lab C

**2011 12 09\_SystemPerformanceCheck-D750V3 SN 1024**

Communication System: CW; Frequency: 750 MHz; Duty Cycle: 1:1

Medium parameters used:  $f = 750$  MHz;  $\sigma = 0.931$  mho/m;  $\epsilon_r = 54.554$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

Room Ambient Temperature: 24.0 deg. C; Liquid Temperature: 23.0 deg. C

DASY5 Configuration:

- Area Scan setting - Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.0012W/kg
- Probe: EX3DV4 - SN3772; ConvF(8.67, 8.67, 8.67); Calibrated: 5/3/2011
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1239; Calibrated: 11/17/2010
- Phantom: ELI v4.0 (B); Type: QDOVA001BB; Serial: 1121
- Measurement SW: DASY52, Version 52.6 (2); SEMCAD X Version 14.4.5 (3634)

**Body/Pin=100 mW/Area Scan (61x61x1):** Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 1.064 mW/g

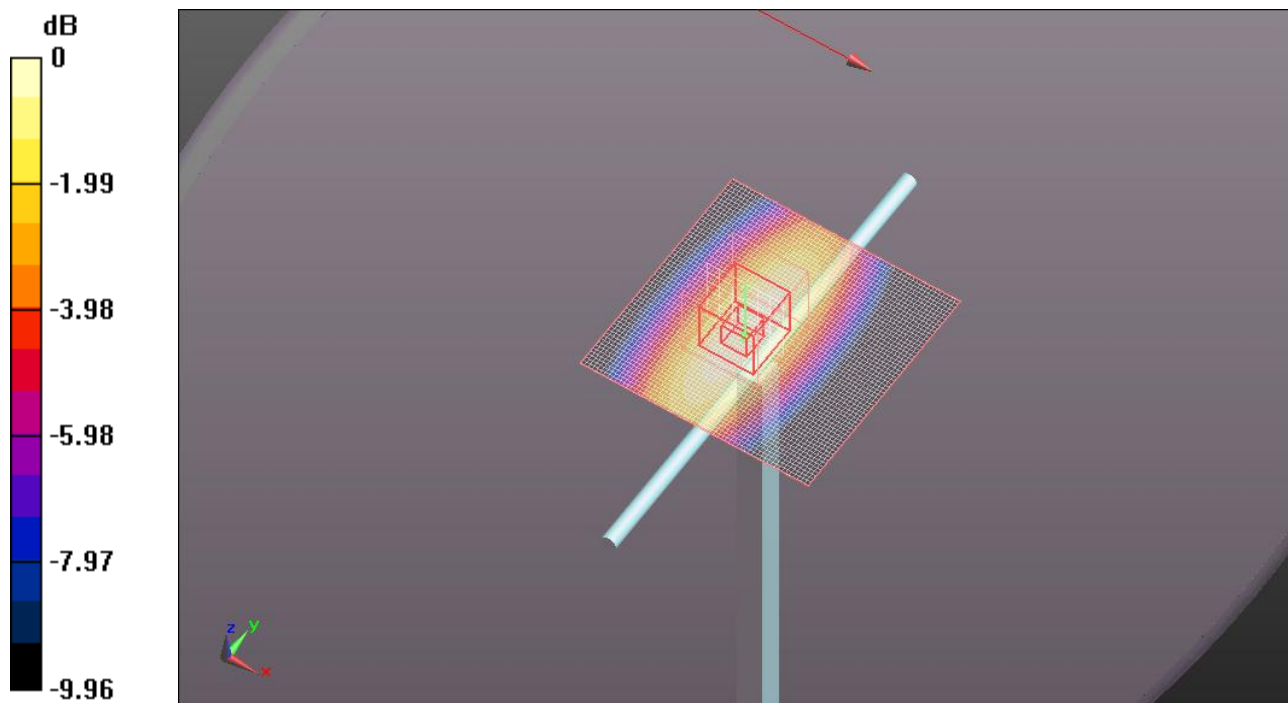
**Body/Pin=100 mW/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 34.007 V/m; Power Drift = 0.05 dB

Peak SAR (extrapolated) = 1.327 W/kg

**SAR(1 g) = 0.893 mW/g; SAR(10 g) = 0.593 mW/g**

Maximum value of SAR (measured) = 1.082 mW/g



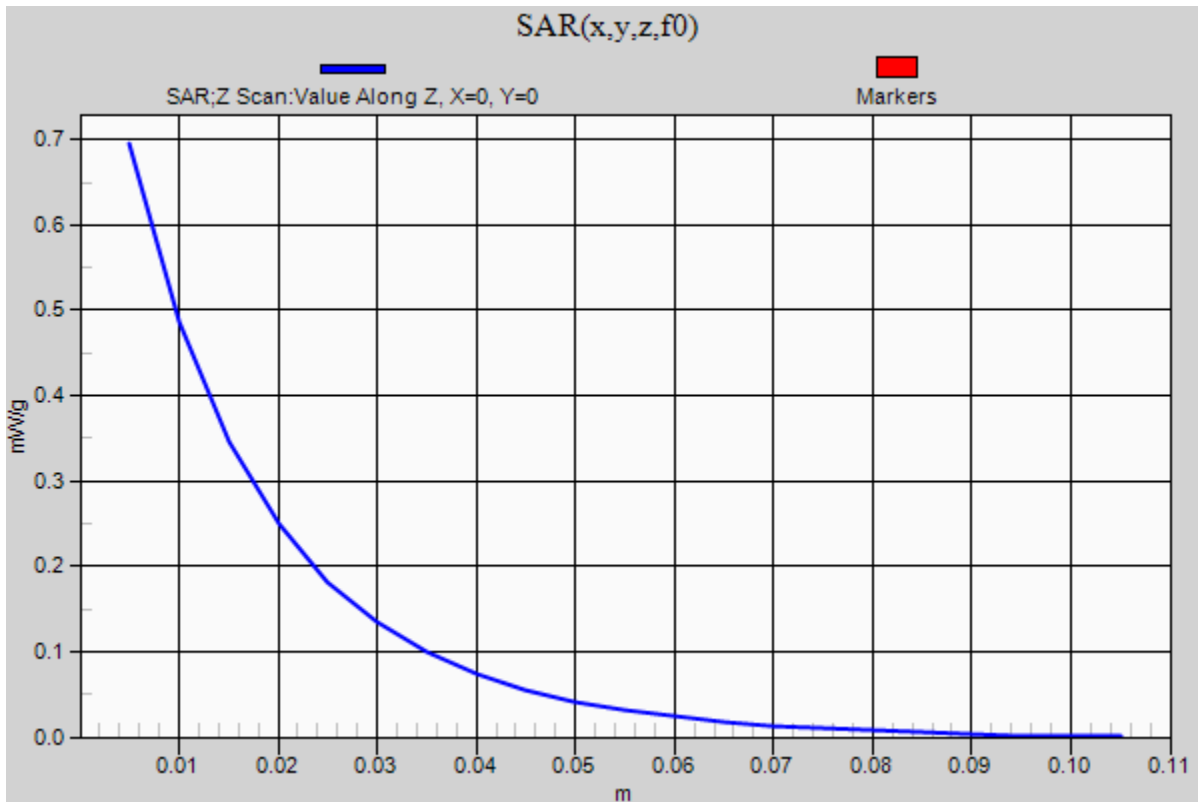
0 dB = 1.080mW/g

Test Laboratory: UL CCS SAR Lab C

### 2011 12 09\_SystemPerformanceCheck-D750V3 SN 1024

Communication System: CW; 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) = 0.695 mW/g



Test Laboratory: UL CCS SAR Lab A

**2011 12 23\_SystemPerformanceCheck-D835V2 SN 4d117**

Communication System: CW; Frequency: 835 MHz; Duty Cycle: 1:1

Medium parameters used:  $f = 835$  MHz;  $\sigma = 0.968$  mho/m;  $\epsilon_r = 52.639$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

Room Ambient Temperature: 24.0 deg. C; Liquid Temperature: 23.0 deg. C

DASY5 Configuration:

- Area Scan setting - Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.0012W/kg
- Probe: EX3DV4 - SN3772; ConvF(8.57, 8.57, 8.57); Calibrated: 5/3/2011
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn500; Calibrated: 7/14/2011
- Phantom: ELI v4.0(A); Type: QDOVA001BB; Serial: 1119
- Measurement SW: DASY52, Version 52.6 (2); SEMCAD X Version 14.4.5 (3634)

**Body/Pin=100 mW/Area Scan (61x61x1):** Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 1.211 mW/g

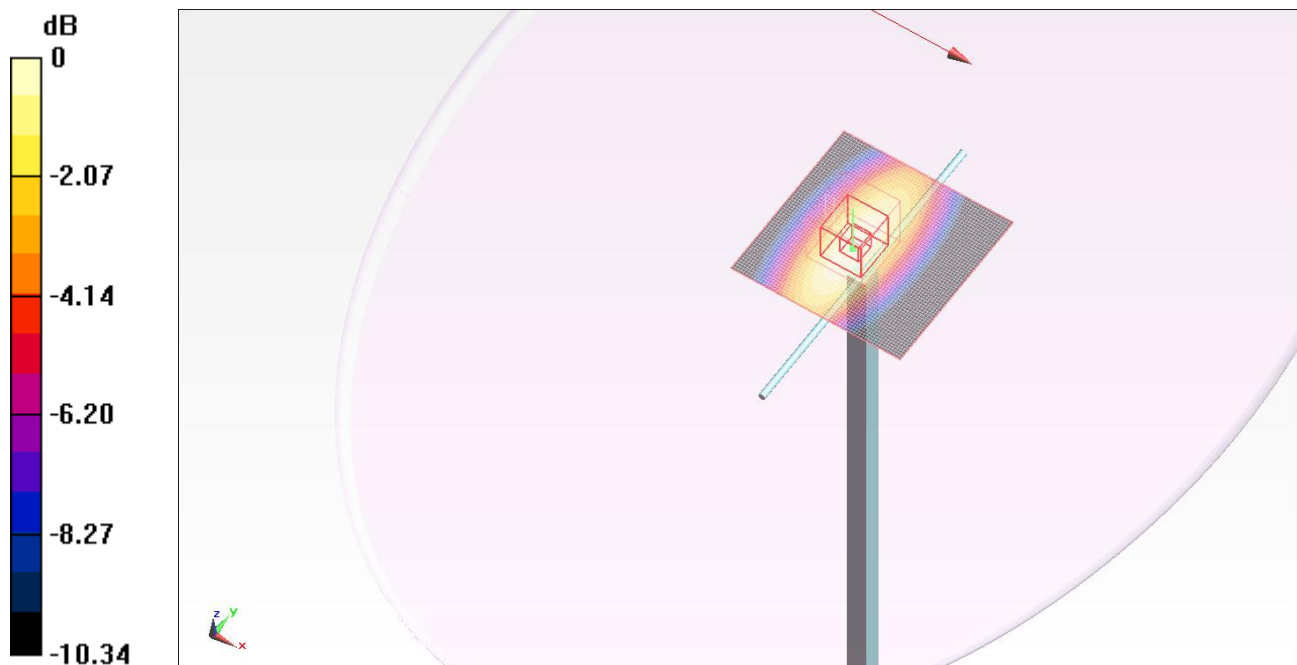
**Body/Pin=100 mW/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 35.774 V/m; Power Drift = -0.0082 dB

Peak SAR (extrapolated) = 1.514 W/kg

**SAR(1 g) = 1.01 mW/g; SAR(10 g) = 0.660 mW/g**

Maximum value of SAR (measured) = 1.224 mW/g



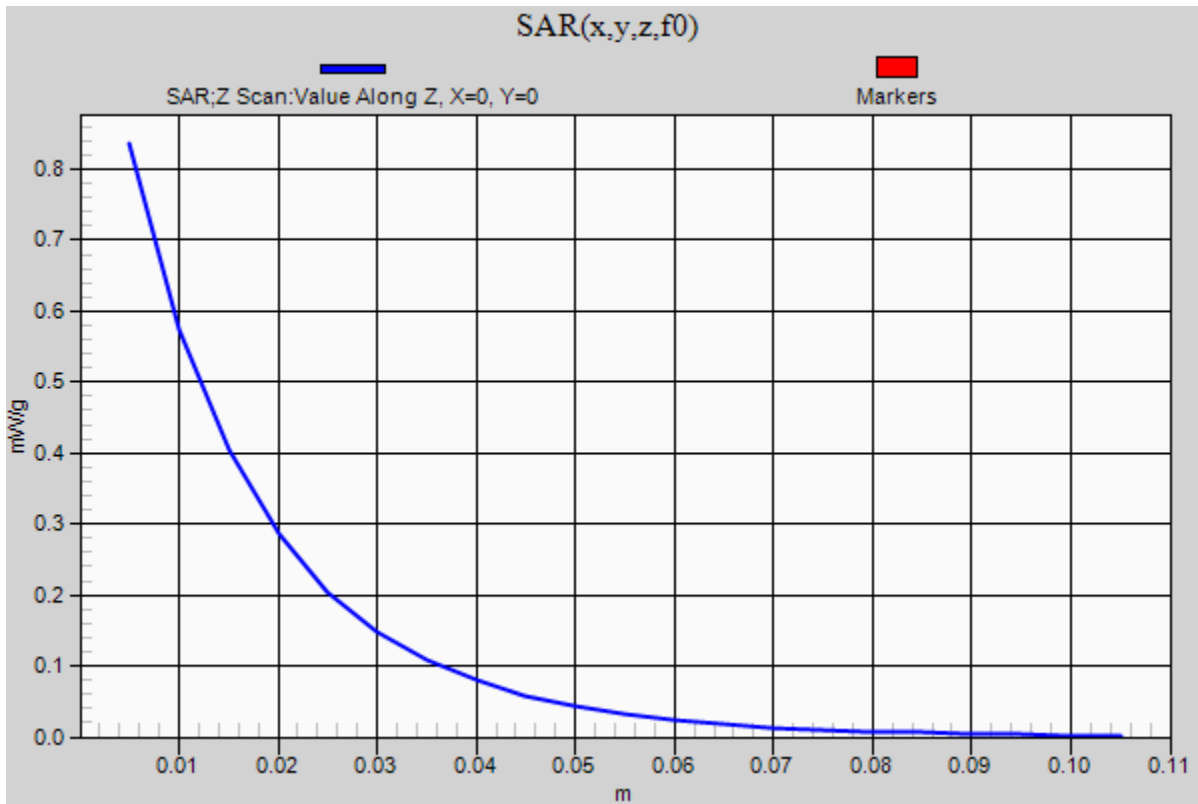
0 dB = 1.220mW/g

Test Laboratory: UL CCS SAR Lab A

### 2011 12 23\_SystemPerformanceCheck-D835V2 SN 4d117

Communication System: CW; 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) = 0.836 mW/g



Test Laboratory: UL CCS SAR Lab A

**2011 12 23\_SystemPerformanceCheck-D1900V2 SN 5d140**

Communication System: CW; Frequency: 1800 MHz; Duty Cycle: 1:1  
 Medium parameters used:  $f = 1800$  MHz;  $\sigma = 1.411$  mho/m;  $\epsilon_r = 51.81$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
 Phantom section: Flat Section

Room Ambient Temperature: 24.0 deg. C; Liquid Temperature: 23.0 deg. C

DASY5 Configuration:

- Area Scan setting - Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.0012W/kg
- Probe: EX3DV4 - SN3772; ConvF(7.15, 7.15, 7.15); Calibrated: 5/3/2011
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn500; Calibrated: 7/14/2011
- Phantom: ELI v4.0(B); Type: QDOVA001BB; Serial: 1099
- Measurement SW: DASY52, Version 52.6 (2); SEMCAD X Version 14.4.5 (3634)

**Body/Pin=100 mW/Area Scan (61x61x1):** Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 5.148 mW/g

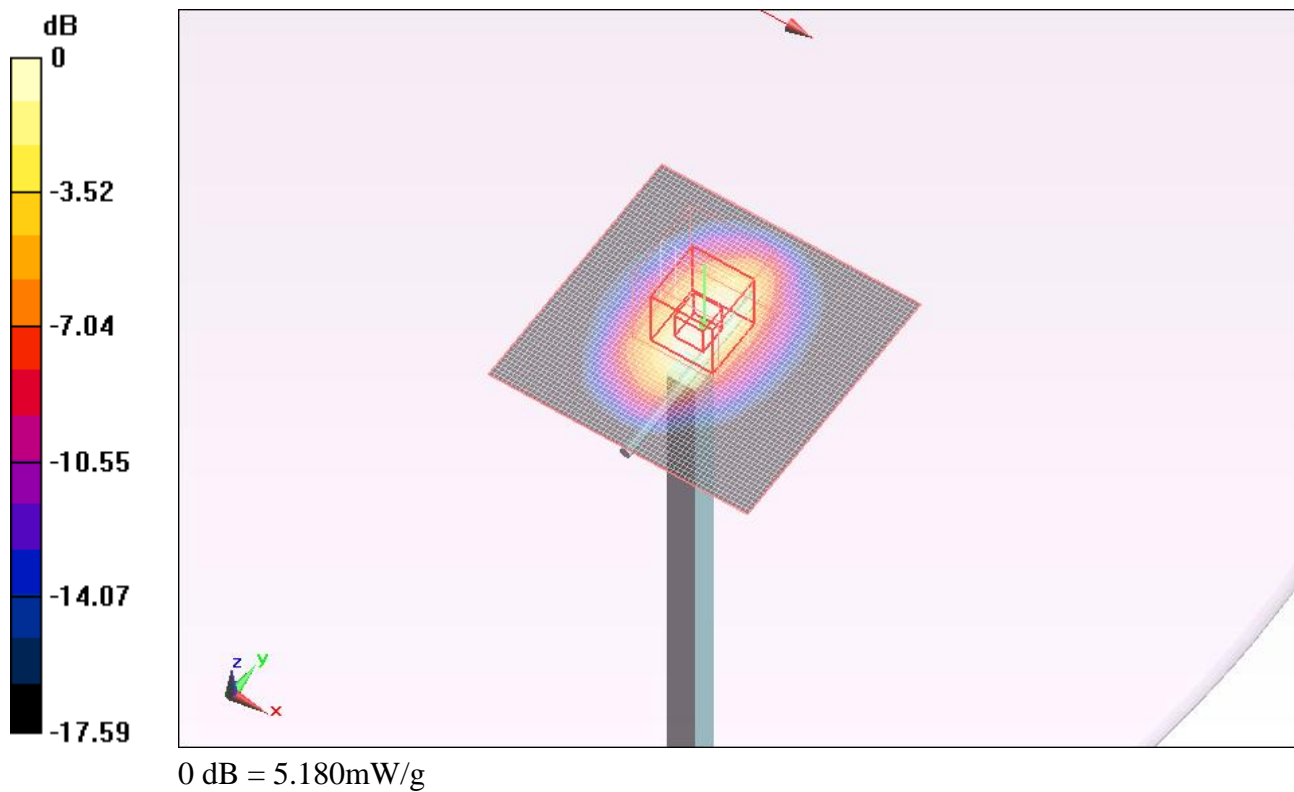
**Body/Pin=100 mW/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 60.056 V/m; Power Drift = -0.03 dB

Peak SAR (extrapolated) = 7.065 W/kg

**SAR(1 g) = 3.84 mW/g; SAR(10 g) = 1.99 mW/g**

Maximum value of SAR (measured) = 5.183 mW/g



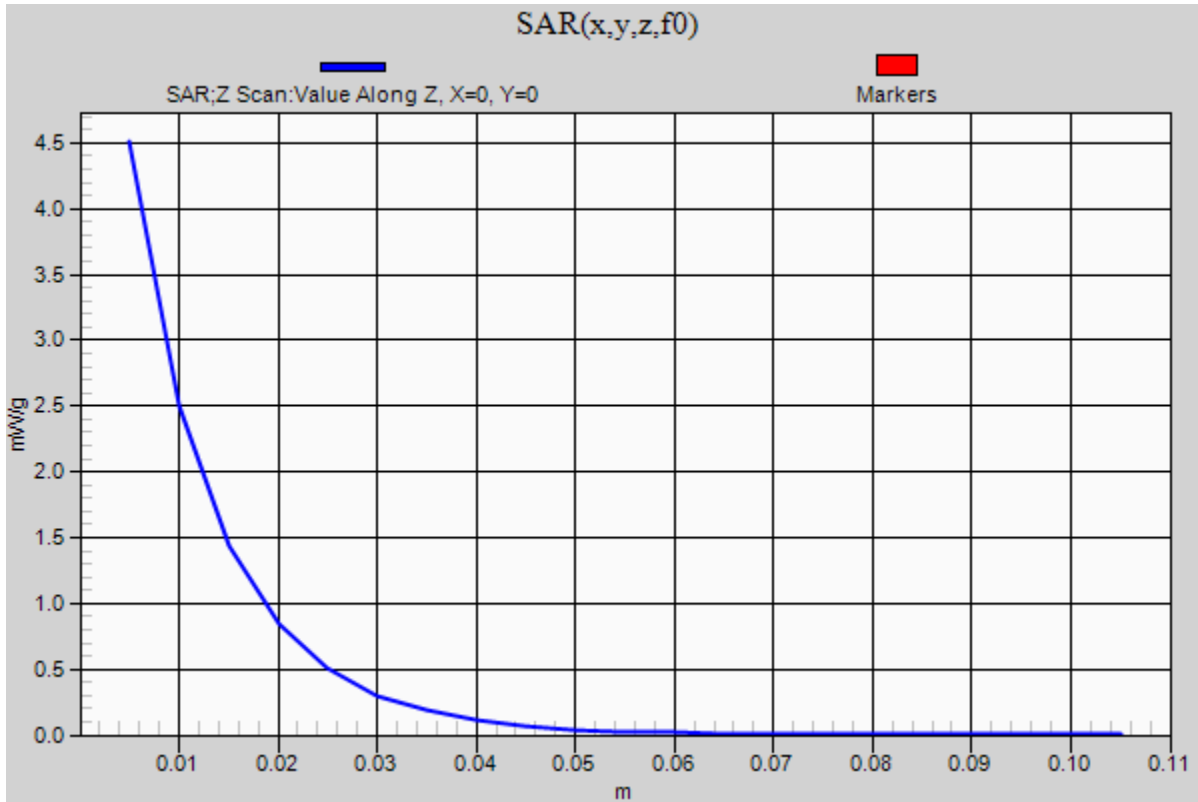
Test Laboratory: UL CCS SAR Lab A

### 2011 12 23\_SystemPerformanceCheck-D1900V2 SN 5d140

Communication System: CW; Frequency: 1800 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) = 4.509 mW/g



Test Laboratory: UL CCS SAR Lab A

**2011 12 23\_SystemPerformanceCheck-D750V3 SN 1024**

Communication System: CW; Frequency: 750 MHz; Duty Cycle: 1:1

Medium parameters used:  $f = 750$  MHz;  $\sigma = 0.96$  mho/m;  $\epsilon_r = 57.826$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

Room Ambient Temperature: 24.0 deg. C; Liquid Temperature: 23.0 deg. C

DASY5 Configuration:

- Area Scan setting - Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.0012W/kg
- Probe: EX3DV4 - SN3772; ConvF(8.67, 8.67, 8.67); Calibrated: 5/3/2011
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn500; Calibrated: 7/14/2011
- Phantom: ELI v4.0(A); Type: QDOVA001BB; Serial: 1119
- Measurement SW: DASY52, Version 52.6 (2); SEMCAD X Version 14.4.5 (3634)

**Body/Pin=100 mW/Area Scan (61x61x1):** Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 1.106 mW/g

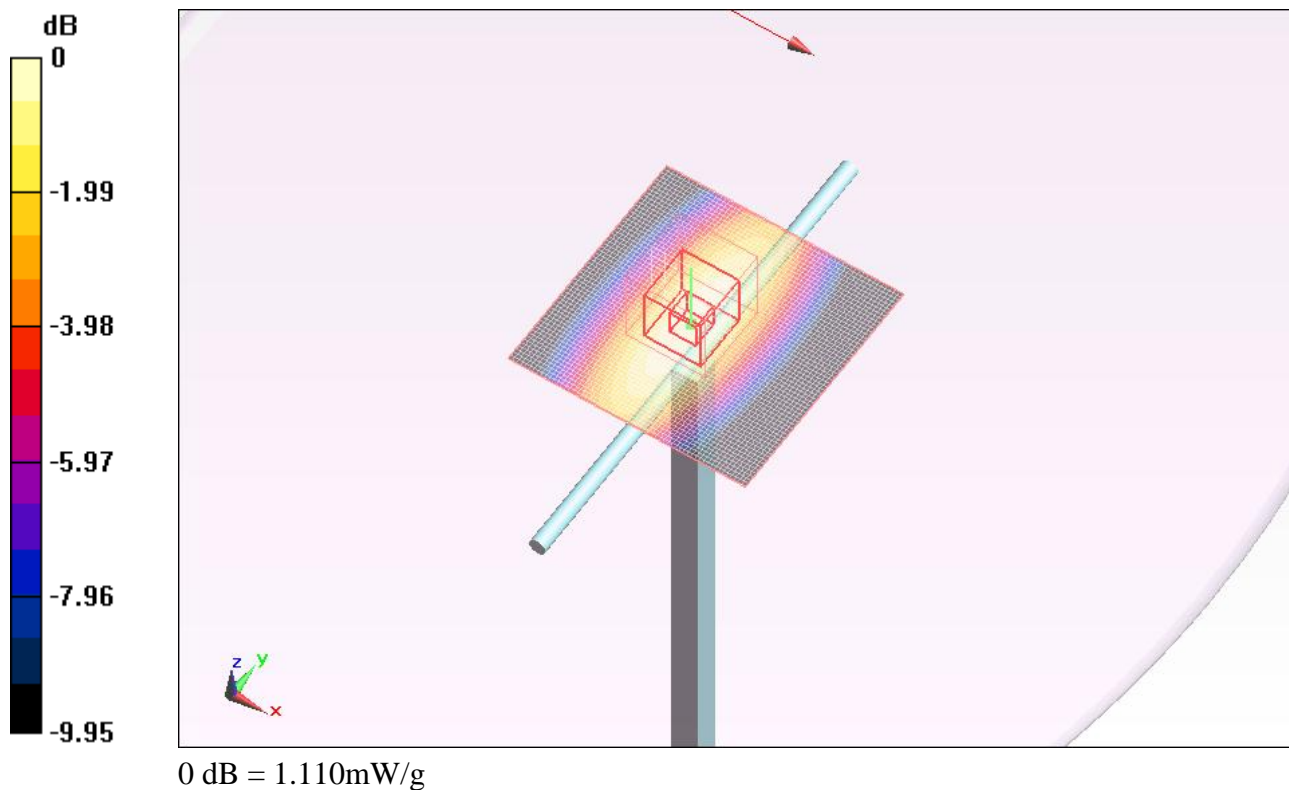
**Body/Pin=100 mW/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 34.222 V/m; Power Drift = 0.0038 dB

Peak SAR (extrapolated) = 1.366 W/kg

**SAR(1 g) = 0.916 mW/g; SAR(10 g) = 0.608 mW/g**

Maximum value of SAR (measured) = 1.115 mW/g

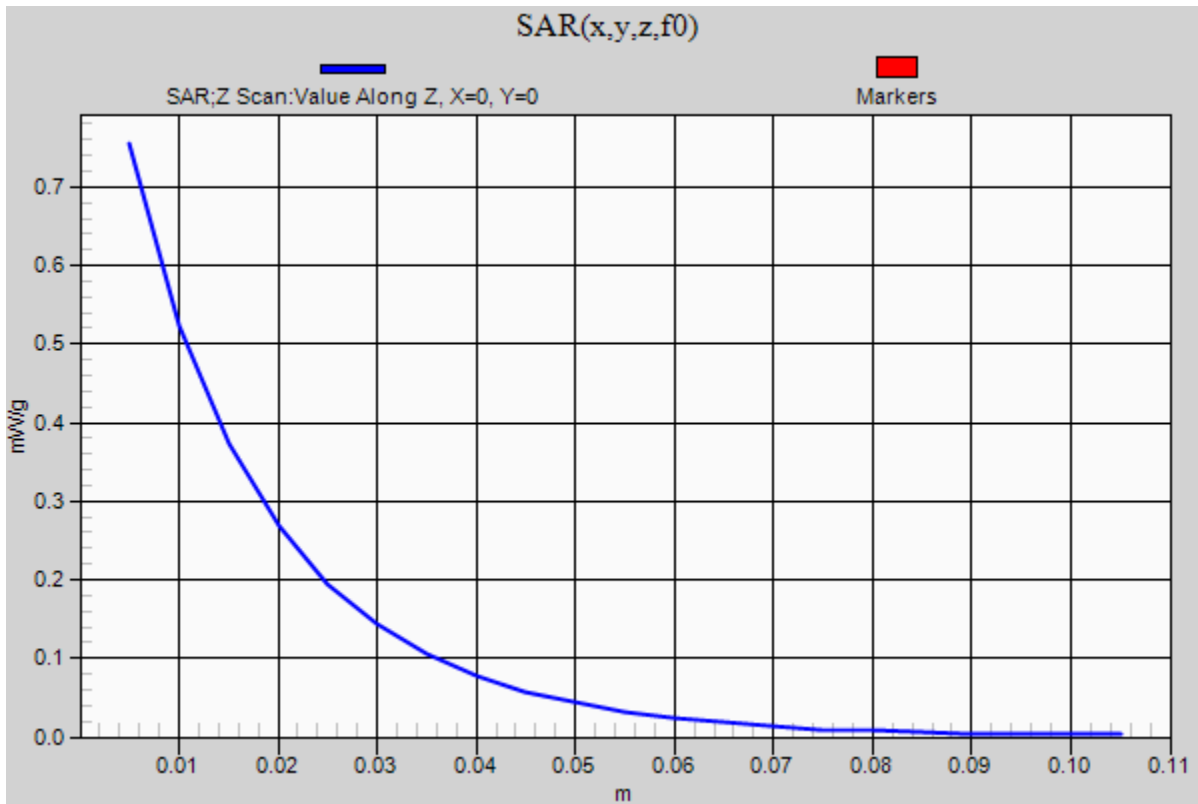


Test Laboratory: UL CCS SAR Lab A

### 2011 12 23\_SystemPerformanceCheck-D750V3 SN 1024

Communication System: CW; 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) = 0.755 mW/g





## 20120130 SystemPerformanceCheck-D750V3 SN 1024

Frequency: 750 MHz; Duty Cycle: 1:1; Room Ambient Temperature: 24.0°C; Liquid Temperature: 23.0°C  
 Medium parameters used:  $f = 750 \text{ MHz}$ ;  $\sigma = 0.95 \text{ mho/m}$ ;  $\epsilon_r = 55.066$ ;  $\rho = 1000 \text{ kg/m}^3$

DASY5 Configuration:

- Electronics: DAE3 Sn500; Calibrated: 7/14/2011
- Probe: EX3DV4 - SN3772; ConvF(8.67, 8.67, 8.67); Calibrated: 5/3/2011
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Phantom: ELI v5.0 (B); Type: QDOVA001BB; Serial: 1099

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

Maximum value of SAR (measured) = 1.008 mW/g

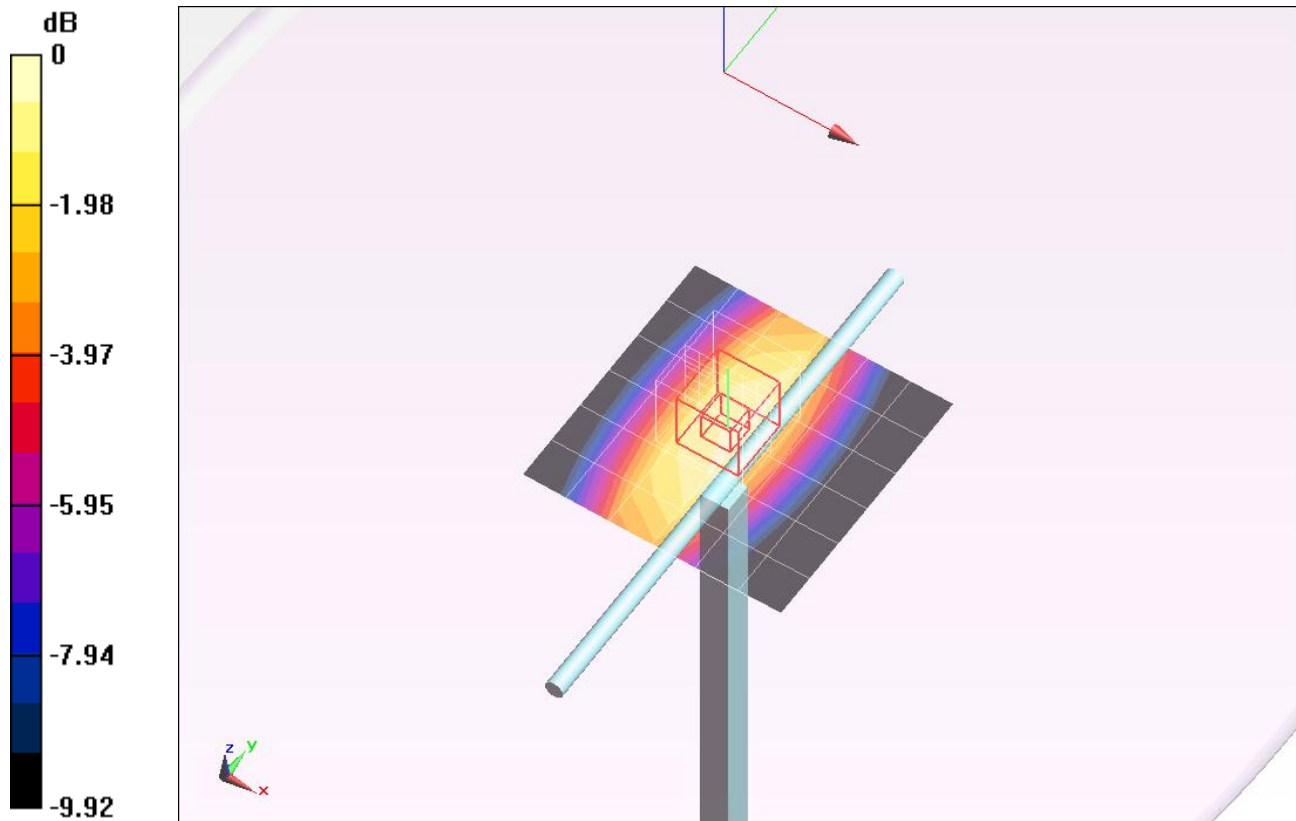
**Body/Pin=100 mW/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 34.263 V/m; Power Drift = -0.04 dB

Peak SAR (extrapolated) = 1.3230

**SAR(1 g) = 0.887 mW/g; SAR(10 g) = 0.588 mW/g**

Maximum value of SAR (measured) = 1.079 mW/g



0 dB = 1.080mW/g = 0.67 dB mW/g

### 20120130 SystemPerformanceCheck-D750V3 SN 1024

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) = 0.921 mW/g

