Test Laboratory: UL CCS SAR Lab B Date: 4/10/2012

## 20120410_SystemPerformanceCheck-D1900V2 SN 5d043

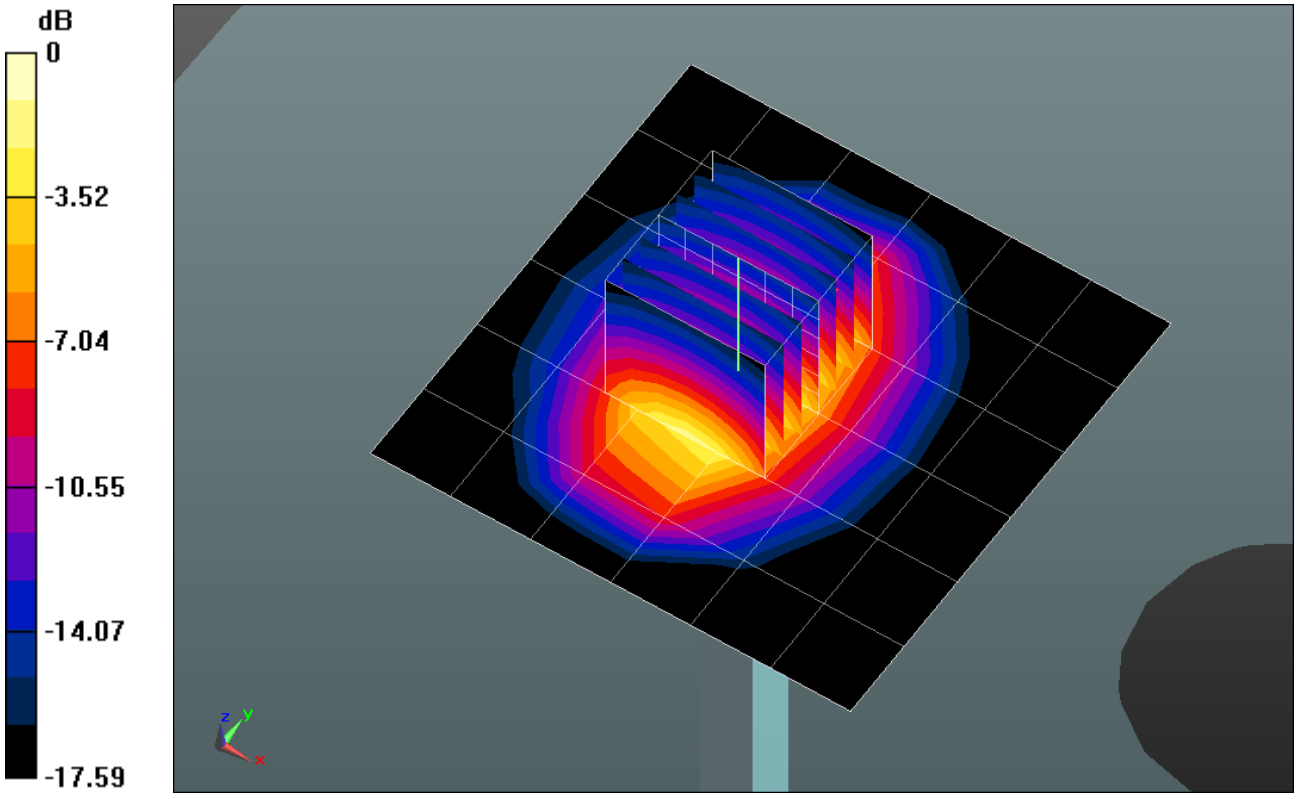
Frequency: 1900 MHz; Duty Cycle: 1:1; Room Ambient Temperature: 24.0°C; Liquid Temperature: 23.0°C
Medium parameters used: f = 1900 MHz; $\sigma$ = 1.455 mho/m; $\varepsilon_r$ = 39.531; $\rho$ = 1000 kg/m$^3$
DASY5 Configuration:
- Electronics: DAE4 Sn1259; Calibrated: 2/13/2012
- Probe: EX3DV3 - SN3531; ConvF(8.53, 8.53, 8.53); Calibrated: 12/19/2011
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Phantom: SAM; Type: QD000P40CD; Serial: 1629

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

Maximum value of SAR (measured) = 4.445 mW/g

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

Reference Value = 61.380 V/m; Power Drift = 0.09 dB
Peak SAR (extrapolated) = 7.4190
**SAR(1 g) = 3.97 mW/g; SAR(10 g) = 2.06 mW/g**
Maximum value of SAR (measured) = 5.388 mW/g



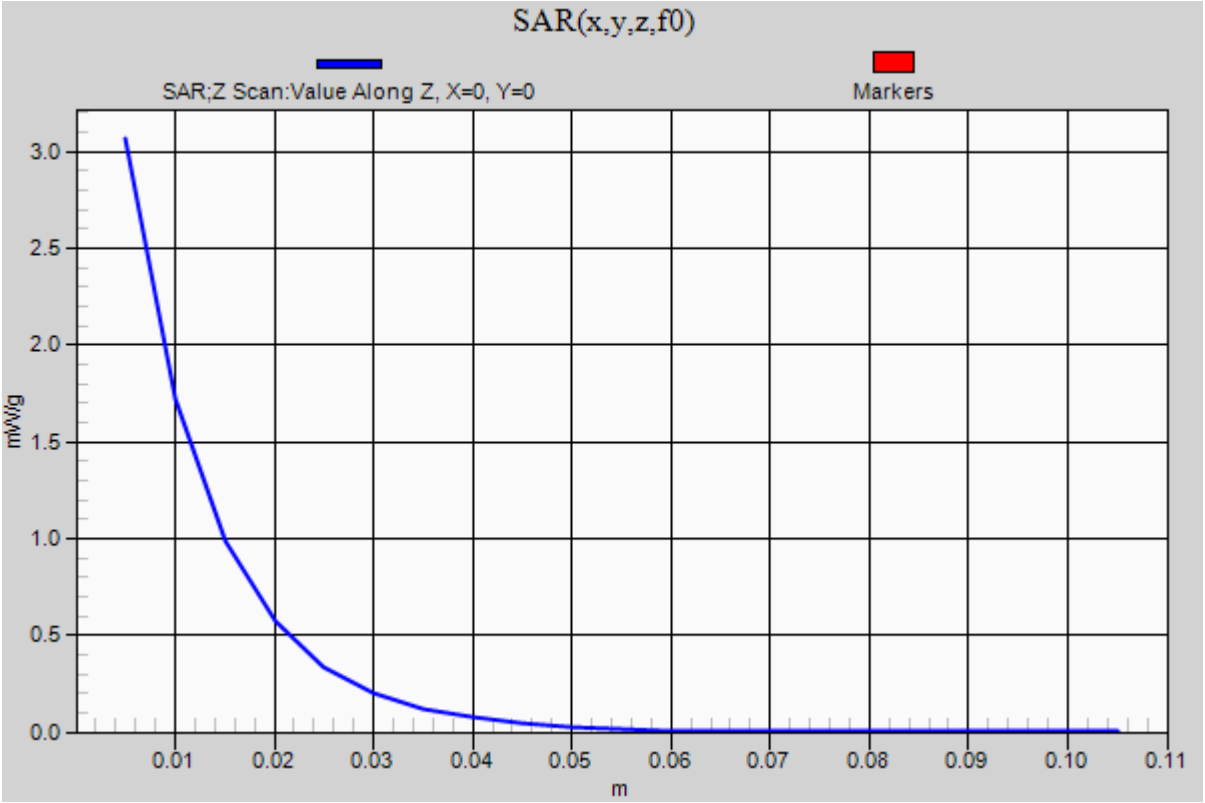

0 dB = 5.390mW/g = 14.63 dB mW/g

Test Laboratory: UL CCS SAR Lab B Date: 4/10/2012

## 20120410_SystemPerformanceCheck-D1900V2 SN 5d043

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) = 3.065 mW/g



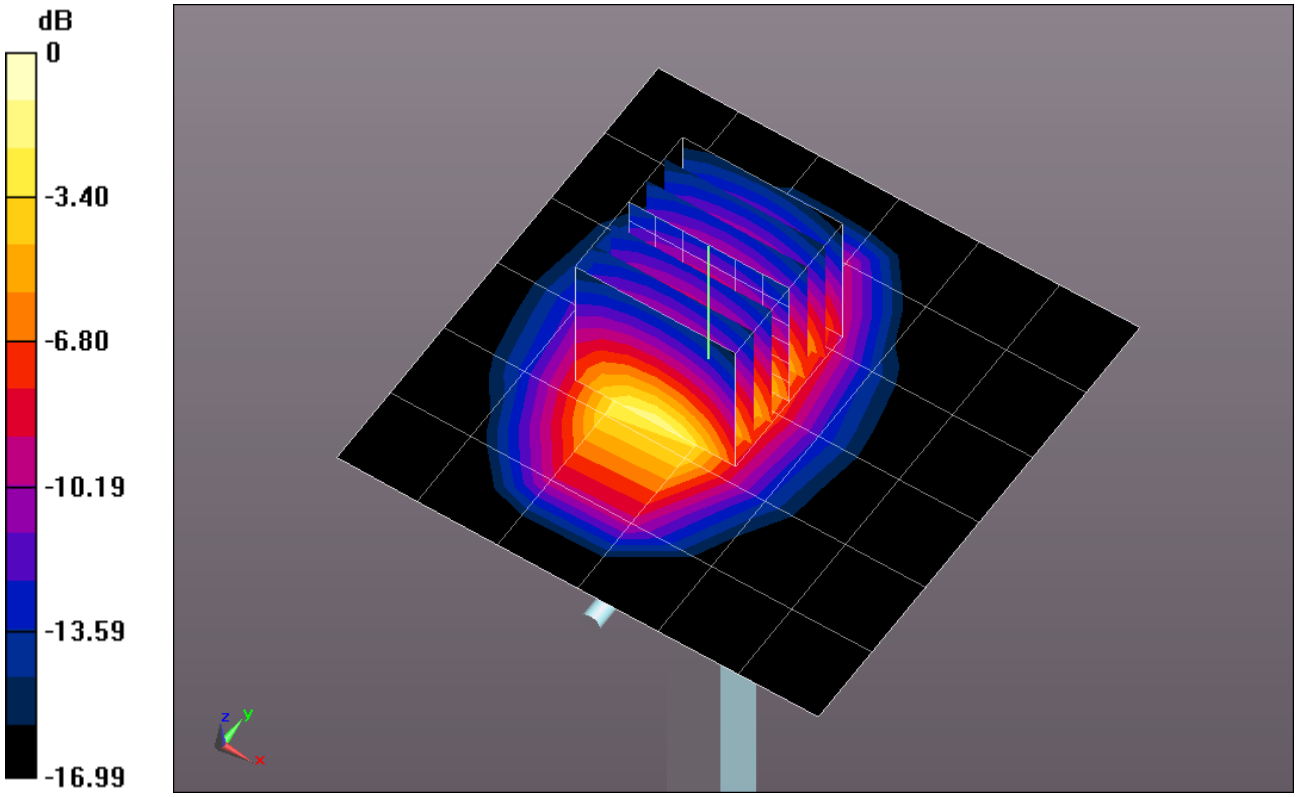
Test Laboratory: UL CCS SAR Lab B Date: 4/11/2012

## 20120411_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; $\sigma$ = 1.543 mho/m; $\varepsilon_r$ = 53.161; $\rho$ = 1000 kg/m$^3$
DASY5 Configuration:
- Electronics: DAE4 Sn1259; Calibrated: 2/13/2012
- Probe: EX3DV3 - SN3531; ConvF(7.91, 7.91, 7.91); Calibrated: 12/19/2011
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Phantom: ELI v5.0 (A); Type: QDOVA001BB; Serial: 1120

**Body/Pin=100 mW/Area Scan (7x7x1):** Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 4.074 mW/g

**Body/Pin=100 mW/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 59.755 V/m; Power Drift = 0.12 dB
Peak SAR (extrapolated) = 7.9180
**SAR(1 g) = 4.44 mW/g; SAR(10 g) = 2.34 mW/g**
Maximum value of SAR (measured) = 5.926 mW/g



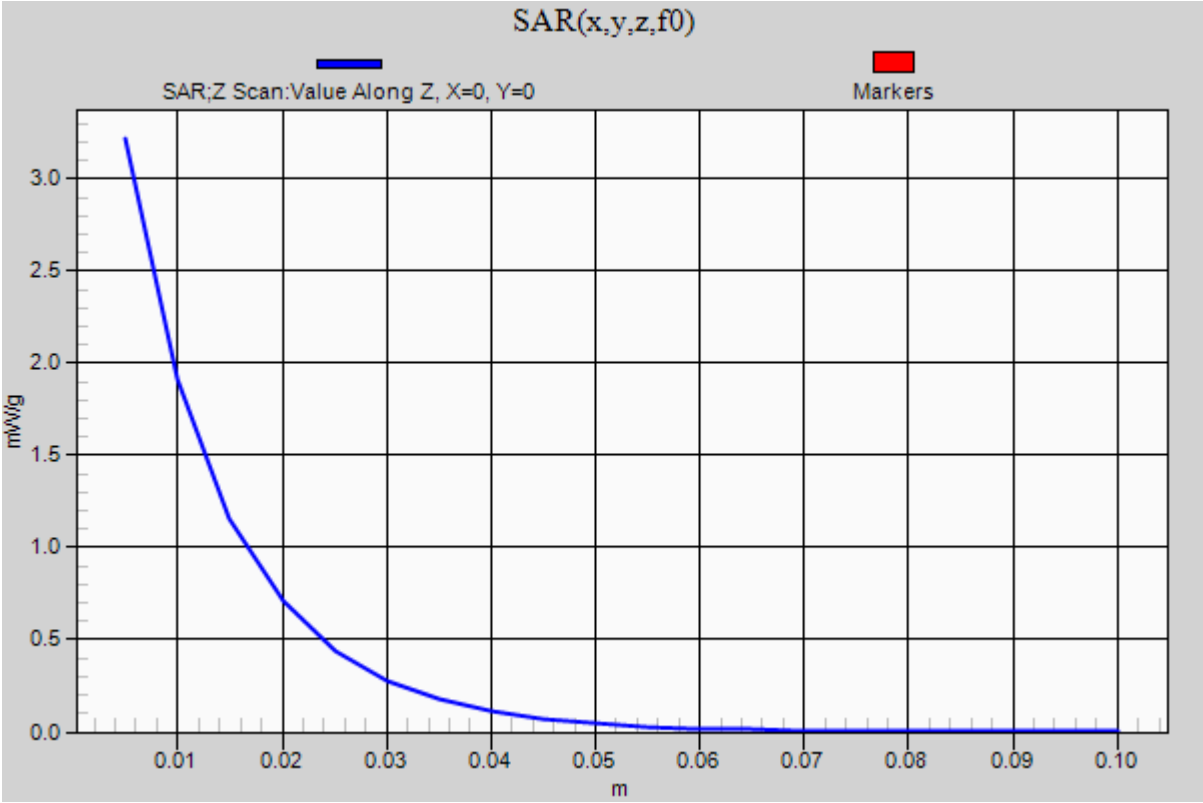

0 dB = 5.930mW/g = 15.46 dB mW/g

Test Laboratory: UL CCS SAR Lab B Date: 4/11/2012

## 20120411_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) = 3.219 mW/g



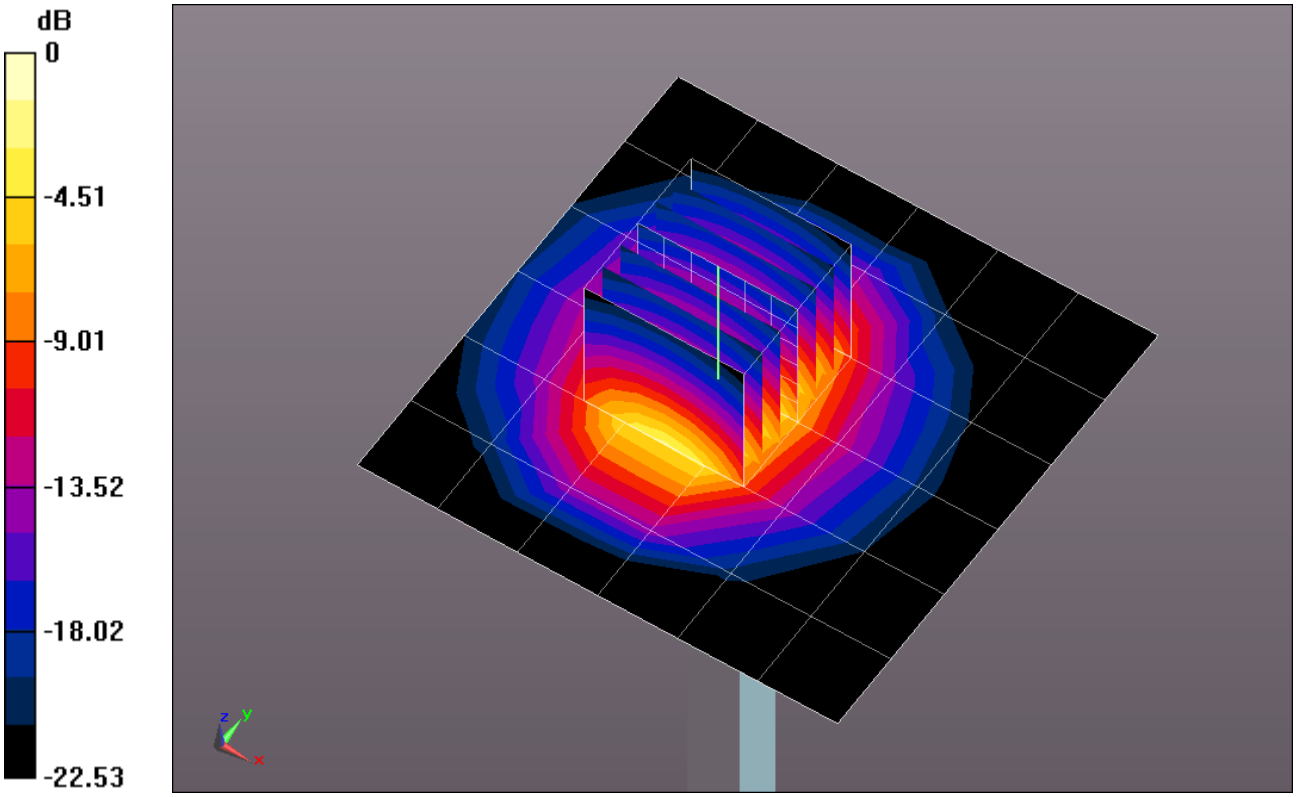
Test Laboratory: UL CCS SAR Lab B Date: 4/16/2012

## 20120416_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; $\sigma$ = 1.868 mho/m; $\varepsilon_r$ = 40.201; $\rho$ = 1000 kg/m$^3$
DASY5 Configuration:
- Electronics: DAE4 Sn1259; Calibrated: 2/13/2012
- Probe: EX3DV3 - SN3531; ConvF(7.4, 7.4, 7.4); Calibrated: 12/19/2011
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Phantom: ELI v5.0 (A); Type: QDOVA001BB; Serial: 1120

**Head/Pin=100 mW/Area Scan (7x7x1):** Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 5.149 mW/g

**Head/Pin=100 mW/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 63.191 V/m; Power Drift = 0.06 dB
Peak SAR (extrapolated) = 11.5820
**SAR(1 g) = 5.48 mW/g; SAR(10 g) = 2.51 mW/g**
Maximum value of SAR (measured) = 7.862 mW/g



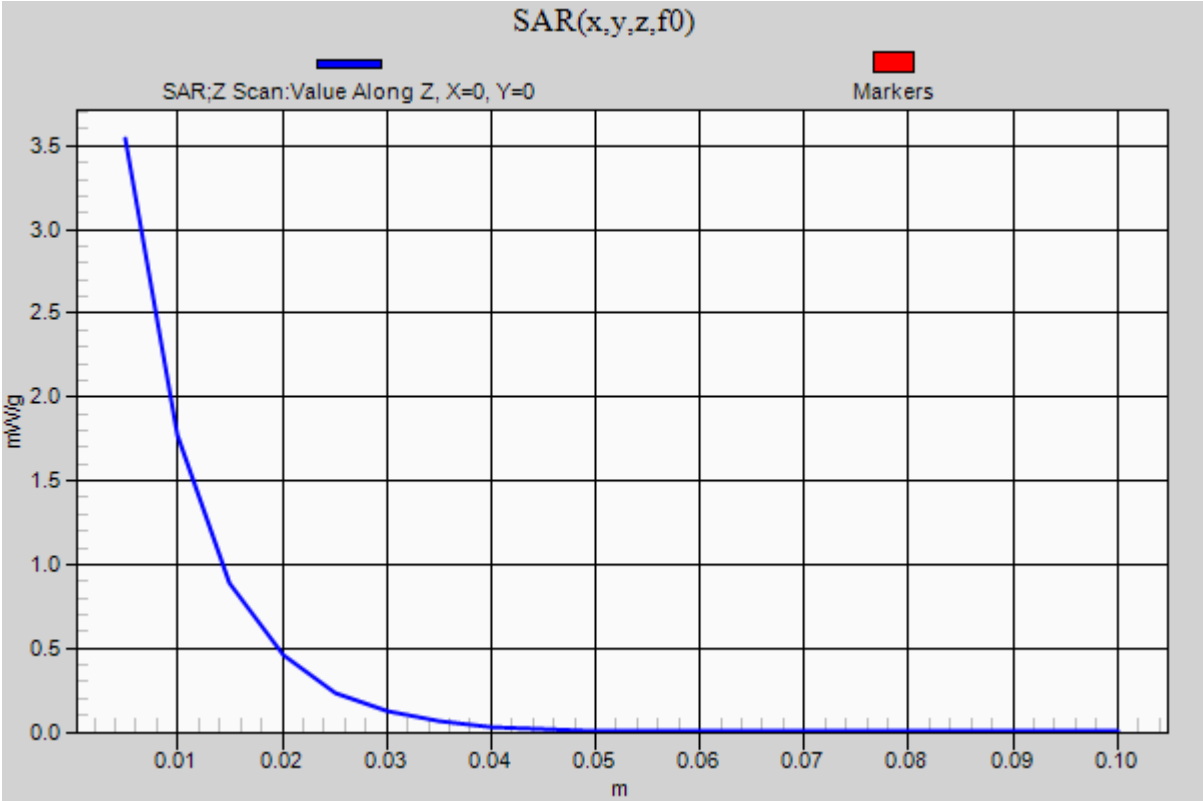

0 dB = 7.860mW/g = 17.91 dB mW/g

Test Laboratory: UL CCS SAR Lab B Date: 4/16/2012

## 20120416_SystemPerformanceCheck-D2450V2 SN 748

Frequency: 2450 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) = 3.542 mW/g



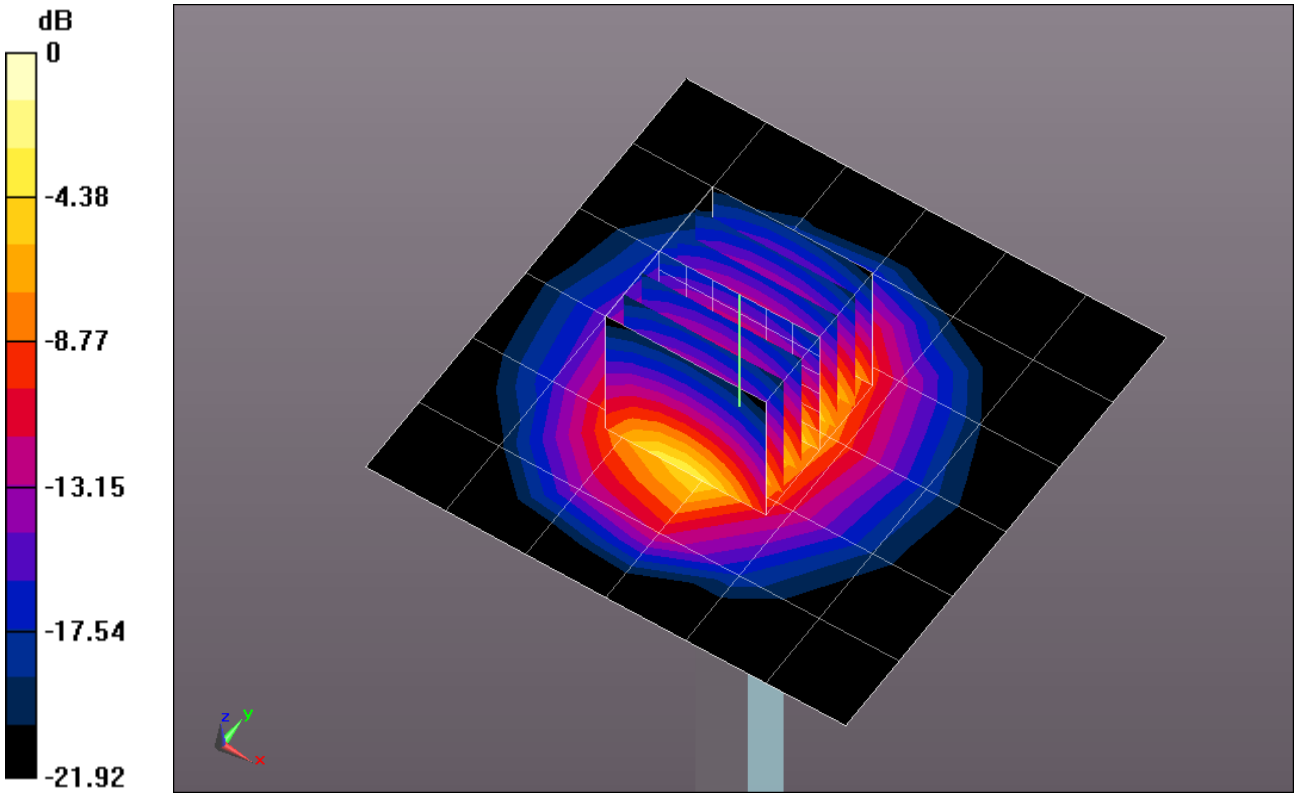
Test Laboratory: UL CCS SAR Lab B Date: 4/17/2012

## 20120417_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; $\sigma$ = 1.934 mho/m; $\varepsilon_r$ = 50.505; $\rho$ = 1000 kg/m$^3$
DASY5 Configuration:
- Electronics: DAE4 Sn1259; Calibrated: 2/13/2012
- Probe: EX3DV3 - SN3531; ConvF(7.44, 7.44, 7.44); Calibrated: 12/19/2011
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Phantom: ELI v5.0 (A); Type: QDOVA001BB; Serial: 1120

**Body/Pin=100 mW/Area Scan (7x7x1):** Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 6.810 mW/g

**Body/Pin=100 mW/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 61.383 V/m; Power Drift = -0.07 dB
Peak SAR (extrapolated) = 10.9900
**SAR(1 g) = 5.31 mW/g; SAR(10 g) = 2.46 mW/g**
Maximum value of SAR (measured) = 7.514 mW/g




0 dB = 7.510mW/g = 17.51 dB mW/g

Test Laboratory: UL CCS SAR Lab B Date: 4/17/2012

## 20120417_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) = 3.521 mW/g