

Test Laboratory: Compliance Certification Services

## System Performance Check - D1900V2

DUT: Dipole; Type: D1900V2; Serial: 5d043

Communication System: System Check Signal - CW; Frequency: 1900 MHz; Duty Cycle: 1:1

Medium parameters used:  $f = 1900$  MHz;  $\sigma = 1.55$  mho/m;  $\epsilon_r = 52.4$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

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

DASY4 Configuration:

- Area Scan setting - Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.0012W/kg
- Probe: EX3DV3 - SN3531; ConvF(8.04, 8.04, 8.04); Calibrated: 2/23/2010
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn427; Calibrated: 7/21/2010
- Phantom: Flat Phantom ELI4.0; Type: QDOVA001BA; Serial: SN:1003
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

**d=10mm, Pin=100mW/Area Scan (7x7x1):** Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 3.80 mW/g

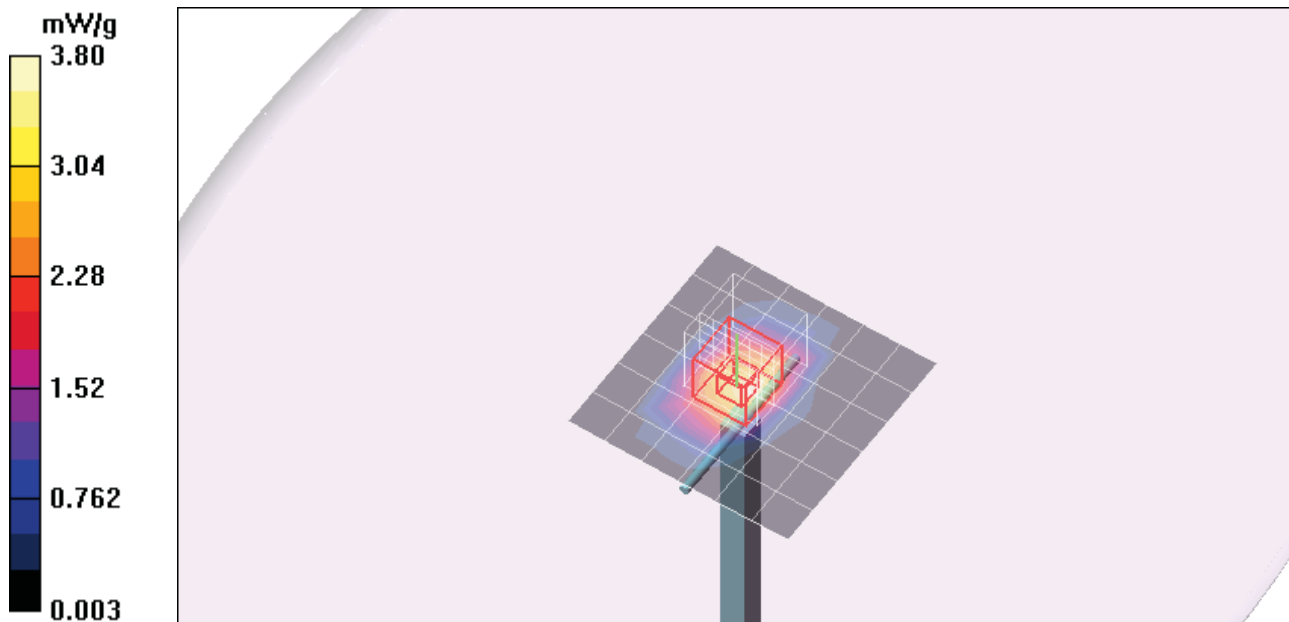
**d=10mm, Pin=100mW/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 57.1 V/m; Power Drift = 0.020 dB

Peak SAR (extrapolated) = 7.33 W/kg

**SAR(1 g) = 4 mW/g; SAR(10 g) = 2.08 mW/g**

Maximum value of SAR (measured) = 5.09 mW/g



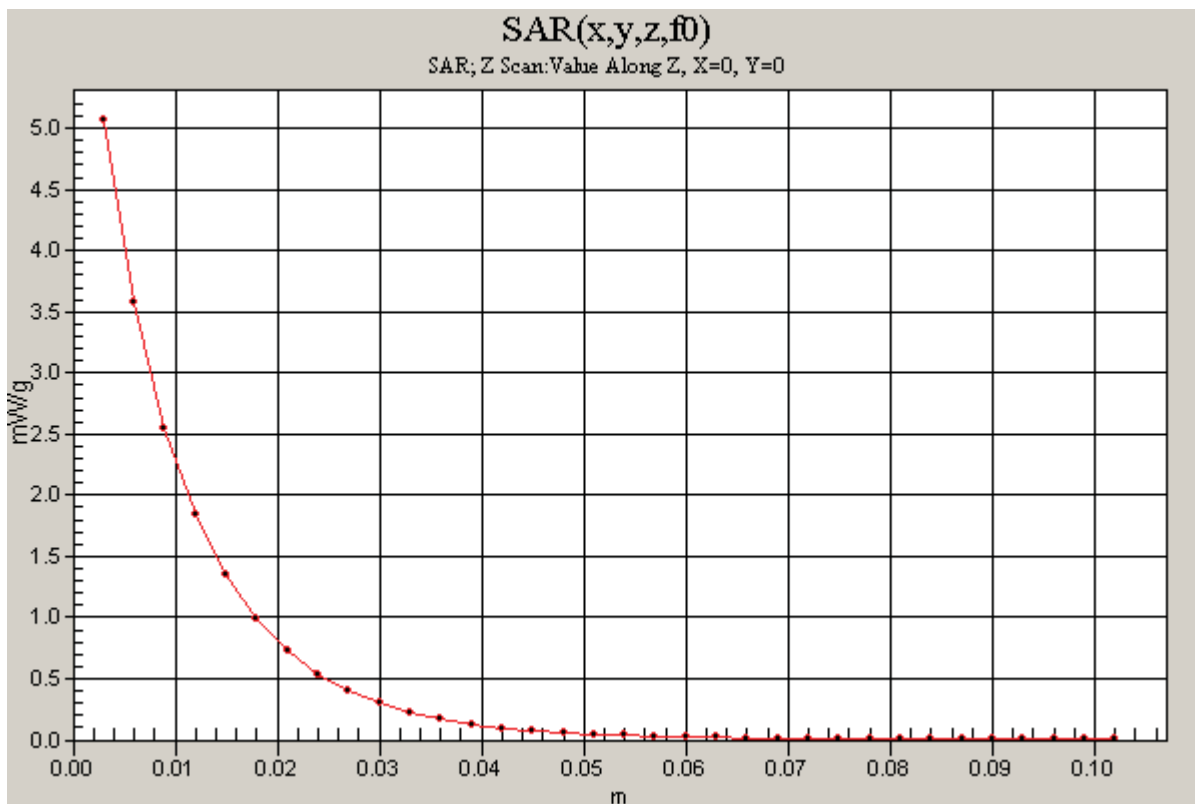
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### System Performance Check - D1900V2

DUT: Dipole; Type: D1900V2; Serial: 5d043

Communication System: System Check Signal - CW; Frequency: 1900 MHz;Duty Cycle: 1:1

**d=10mm, Pin=100mW/Z Scan (1x1x34):** Measurement grid: dx=20mm, dy=20mm, dz=3mm  
Maximum value of SAR (measured) = 5.07 mW/g



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## System Performance Check - D835V2

DUT: D835V2; Type: D835V2; Serial: 4d002

Communication System: CW 835MHz; Frequency: 835 MHz; Duty Cycle: 1:1  
 Medium parameters used:  $f = 835$  MHz;  $\sigma = 0.996$  mho/m;  $\epsilon_r = 55$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

Room Ambient Temperature: 23.0 deg. C; Liquid Temperature: 22.0 deg. C

DASY4 Configuration:

- Area Scan setting - Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.0012W/kg
- Probe: EX3DV3 - SN3531; ConvF(10.18, 10.18, 10.18); Calibrated: 2/23/2010
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn427; Calibrated: 7/21/2010
- Phantom: Flat Phantom ELI4.0; Type: QDOVA001BA; Serial: SN:1003
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

**d=15mm, Pin=100 mW/Area Scan (7x9x1):** Measurement grid: dx=15mm, dy=15mm

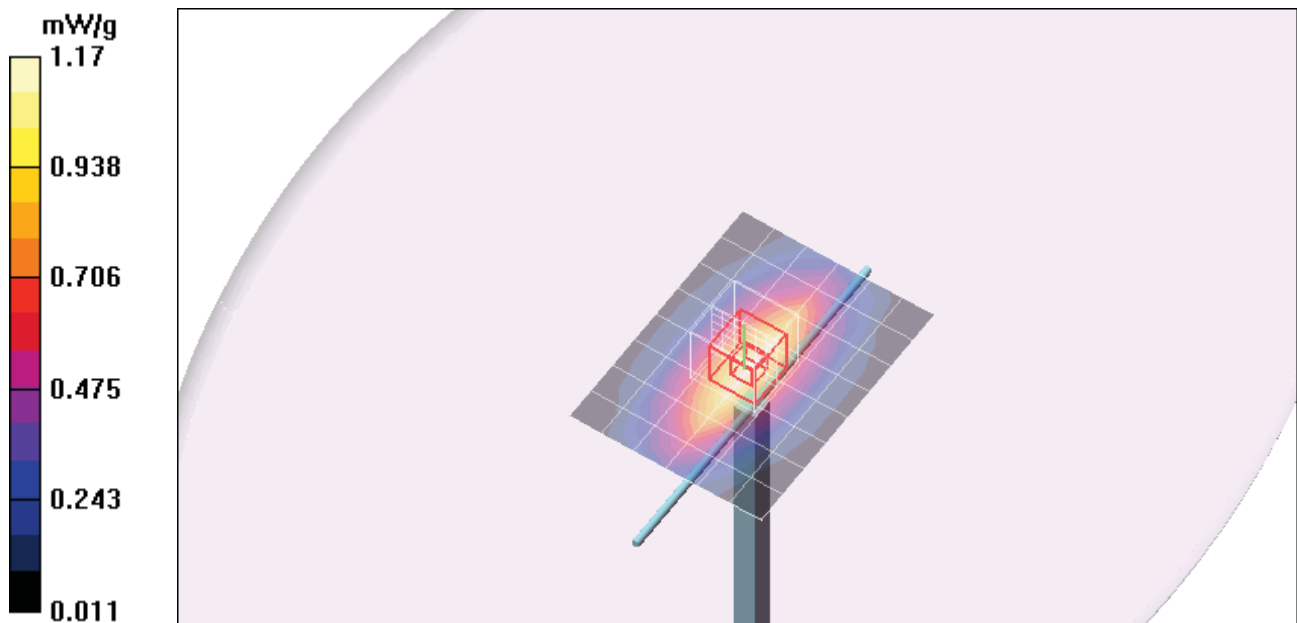
Maximum value of SAR (measured) = 1.17 mW/g

**d=15mm, Pin=100 mW/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 34.4 V/m; Power Drift = -0.038 dB

Peak SAR (extrapolated) = 1.49 W/kg

**SAR(1 g) = 1.01 mW/g; SAR(10 g) = 0.665 mW/g**



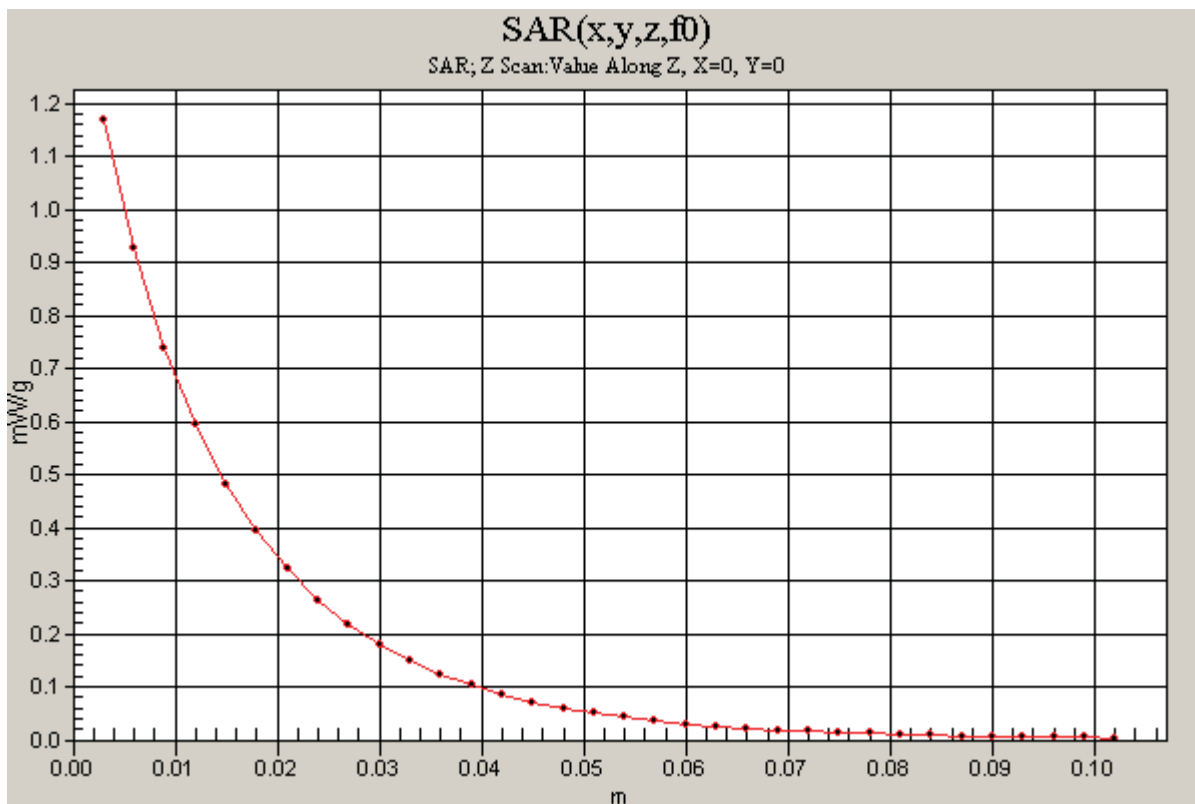
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### System Performance Check - D835V2

DUT: D835V2; Type: D835V2; Serial: 4d002

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

**d=15mm, Pin=100 mW/Z Scan (1x1x34):** Measurement grid: dx=20mm, dy=20mm, dz=3mm  
Maximum value of SAR (measured) = 1.17 mW/g



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## System Performance Check D1800V2

DUT: Dipole; Type: D1800V2; Serial: 294

Communication System: System Check Signal - CW; Frequency: 1800 MHz; Duty Cycle: 1:1

Medium parameters used:  $f = 1800$  MHz;  $\sigma = 1.59$  mho/m;  $\epsilon_r = 52.7$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

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

DASY4 Configuration:

- Area Scan setting - Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.0012W/kg
- Probe: EX3DV3 - SN3531; ConvF(8.51, 8.51, 8.51); Calibrated: 2/23/2010
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn427; Calibrated: 7/21/2010
- Phantom: Flat Phantom ELI4.0; Type: QDOVA001BA; Serial: SN:1003
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

**d=10mm; Pin=250mW/Area Scan (7x7x1):** Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 4.92 mW/g

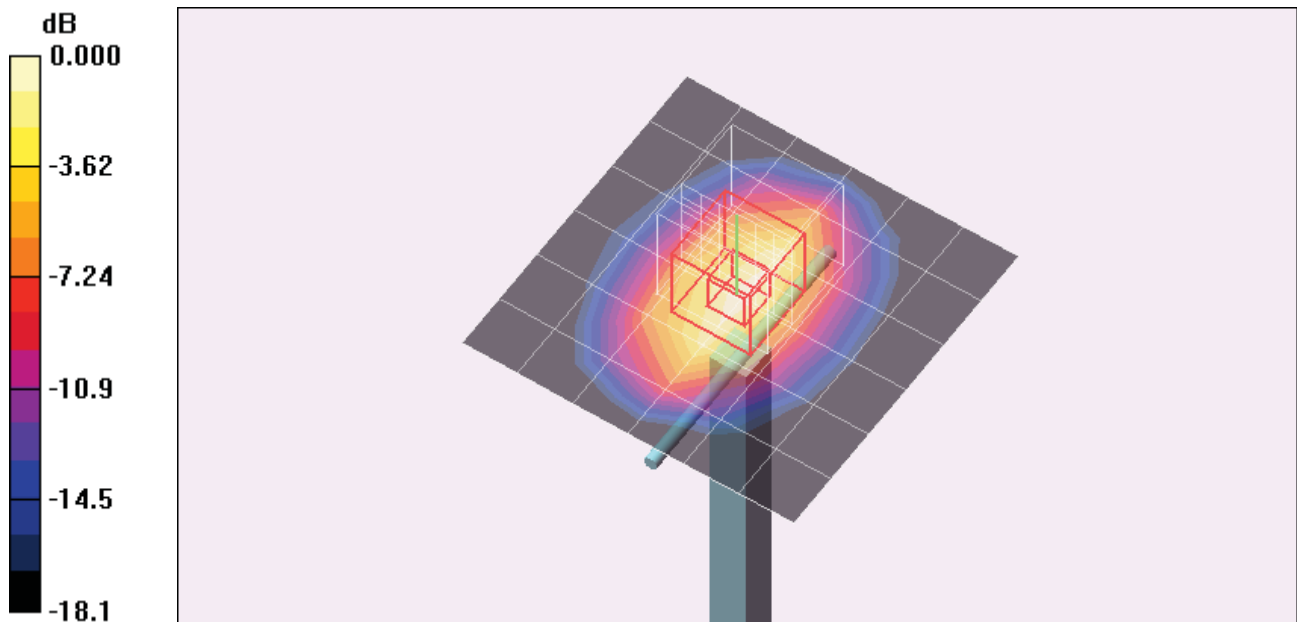
**d=10mm; Pin=250mW/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 55.9 V/m; Power Drift = 0.096 dB

Peak SAR (extrapolated) = 7.40 W/kg

**SAR(1 g) = 4.01 mW/g; SAR(10 g) = 2.09 mW/g**

Maximum value of SAR (measured) = 5.11 mW/g



0 dB = 5.11mW/g

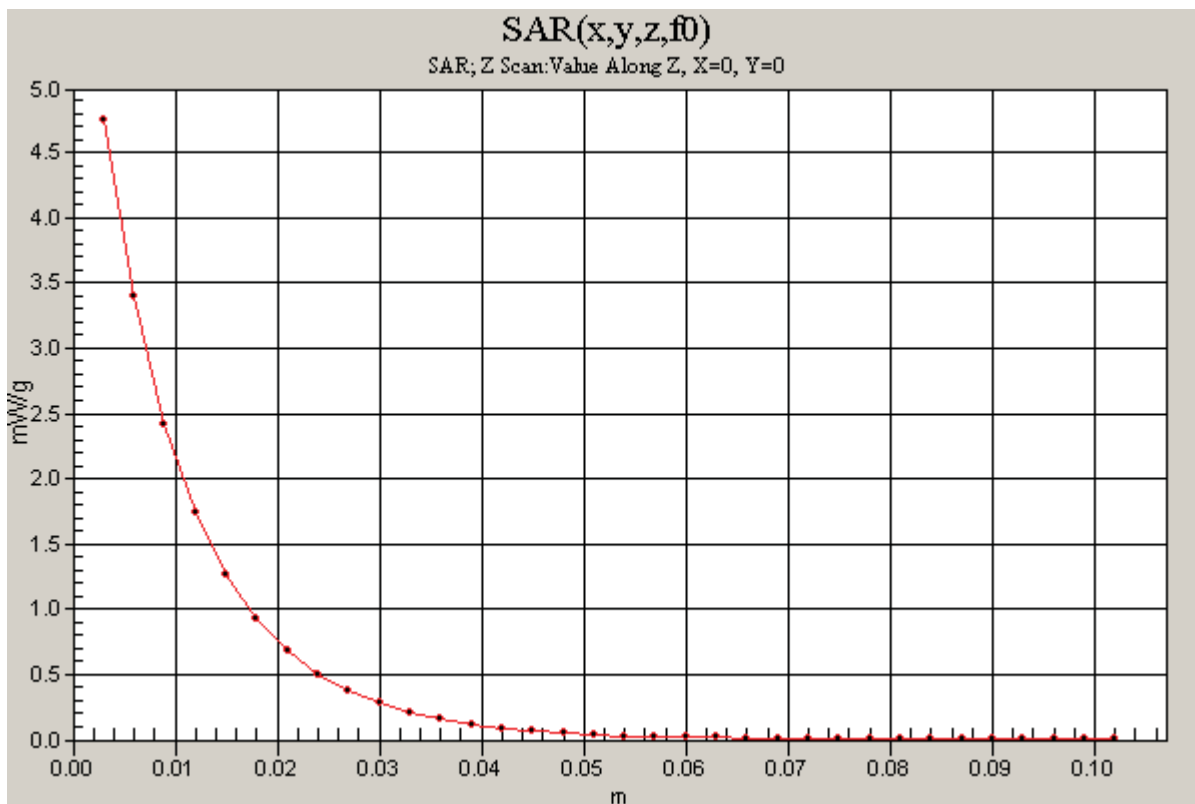
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### System Performance Check D1800V2

DUT: Dipole; Type: D1800V2; Serial: 294

Communication System: System Check Signal - CW; Frequency: 1800 MHz; Duty Cycle: 1:1

**d=10mm; Pin=250mW/Z Scan (1x1x34):** Measurement grid: dx=20mm, dy=20mm, dz=3mm  
Maximum value of SAR (measured) = 4.75 mW/g



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## System Performance Check D1800V2

DUT: Dipole; Type: D1800V2; Serial: 294

Communication System: System Check Signal - CW; Frequency: 1800 MHz; Duty Cycle: 1:1

Medium parameters used:  $f = 1800$  MHz;  $\sigma = 1.58$  mho/m;  $\epsilon_r = 52.5$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

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

DASY4 Configuration:

- Area Scan setting - Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.0012W/kg
- Probe: EX3DV3 - SN3531; ConvF(8.51, 8.51, 8.51); Calibrated: 2/23/2010
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn427; Calibrated: 7/21/2010
- Phantom: Flat Phantom ELI4.0; Type: QDOVA001BA; Serial: SN:1003
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

**d=10mm; Pin=250mW/Area Scan (7x7x1):** Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 4.85 mW/g

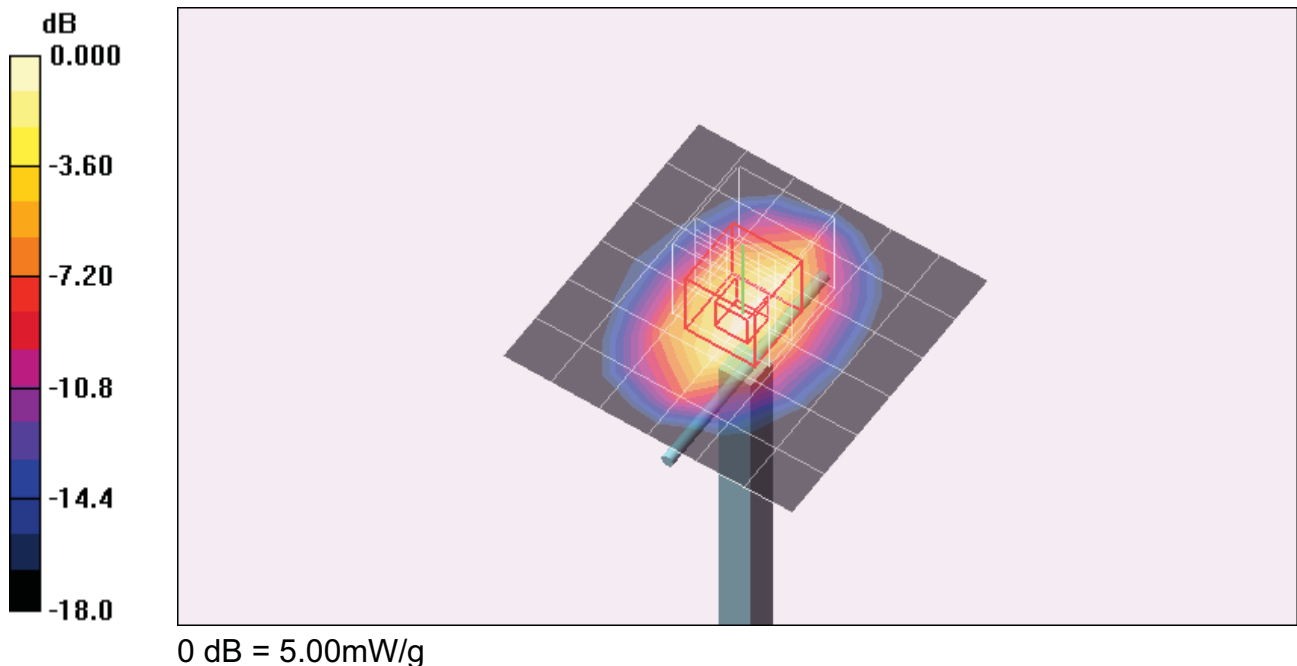
**d=10mm; Pin=250mW/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 55.6 V/m; Power Drift = 0.127 dB

Peak SAR (extrapolated) = 7.23 W/kg

**SAR(1 g) = 3.96 mW/g; SAR(10 g) = 2.08 mW/g**

Maximum value of SAR (measured) = 5.00 mW/g



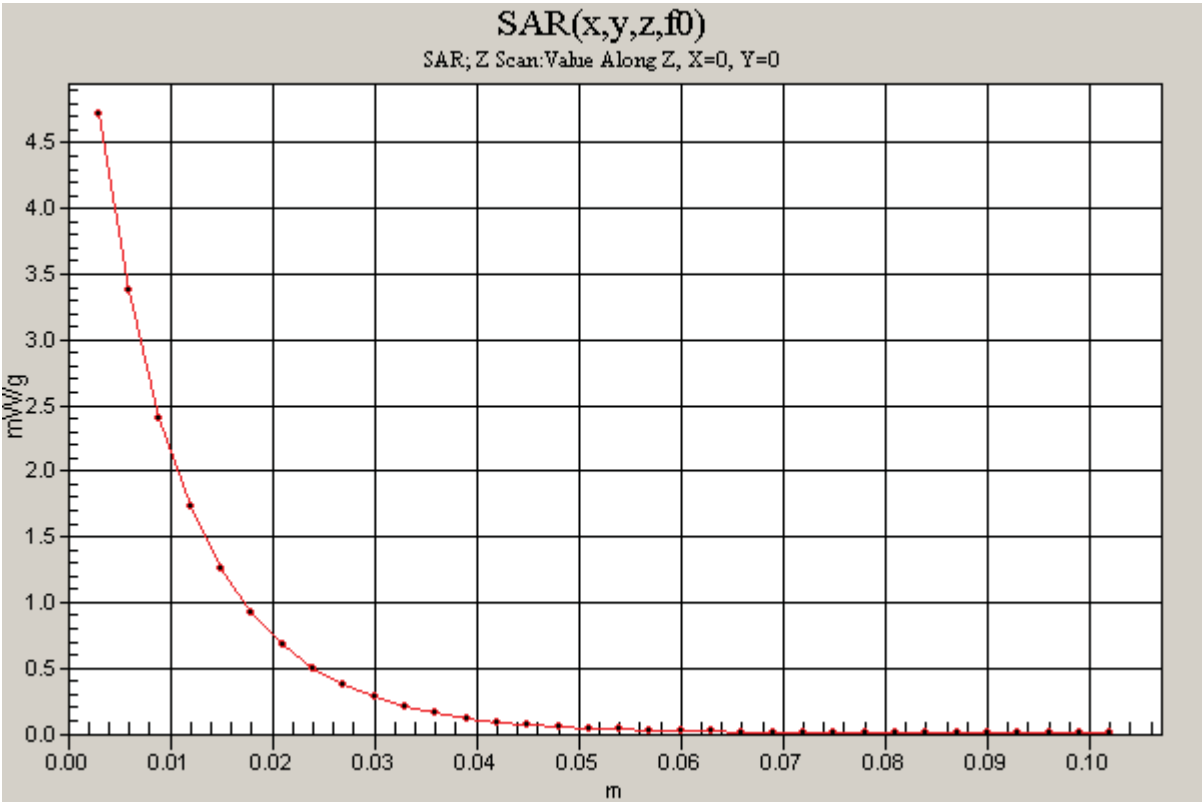
Test Laboratory: Compliance Certification Services

### System Performance Check D1800V2

DUT: Dipole; Type: D1800V2; Serial: 294

Communication System: System Check Signal - CW; Frequency: 1800 MHz;Duty Cycle: 1:1

**d=10mm; Pin=250mW/Z Scan (1x1x34):** Measurement grid: dx=20mm, dy=20mm, dz=3mm  
Maximum value of SAR (measured) = 4.72 mW/g





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## System Performance Check D1800V2

DUT: Dipole; Type: D1800V2; Serial: 294

Communication System: System Check Signal - CW; Frequency: 1800 MHz; Duty Cycle: 1:1

Medium parameters used:  $f = 1800$  MHz;  $\sigma = 1.58$  mho/m;  $\epsilon_r = 52.5$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

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

DASY4 Configuration:

- Area Scan setting - Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.0012W/kg
- Probe: EX3DV3 - SN3531; ConvF(8.51, 8.51, 8.51); Calibrated: 2/23/2010
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn427; Calibrated: 7/21/2010
- Phantom: Flat Phantom ELI4.0; Type: QDOVA001BA; Serial: SN:1003
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

**d=10mm; Pin=250mW/Area Scan (7x7x1):** Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 4.87 mW/g

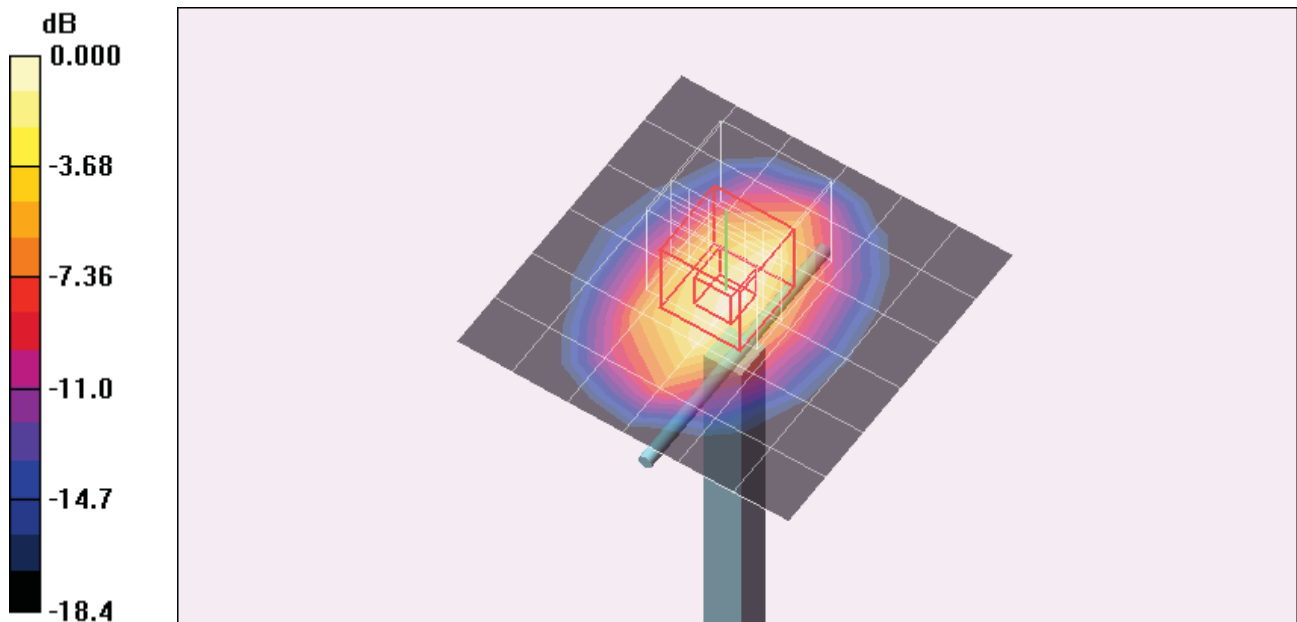
**d=10mm; Pin=250mW/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 55.7 V/m; Power Drift = 0.140 dB

Peak SAR (extrapolated) = 7.30 W/kg

**SAR(1 g) = 3.97 mW/g; SAR(10 g) = 2.08 mW/g**

Maximum value of SAR (measured) = 5.05 mW/g



0 dB = 5.05mW/g

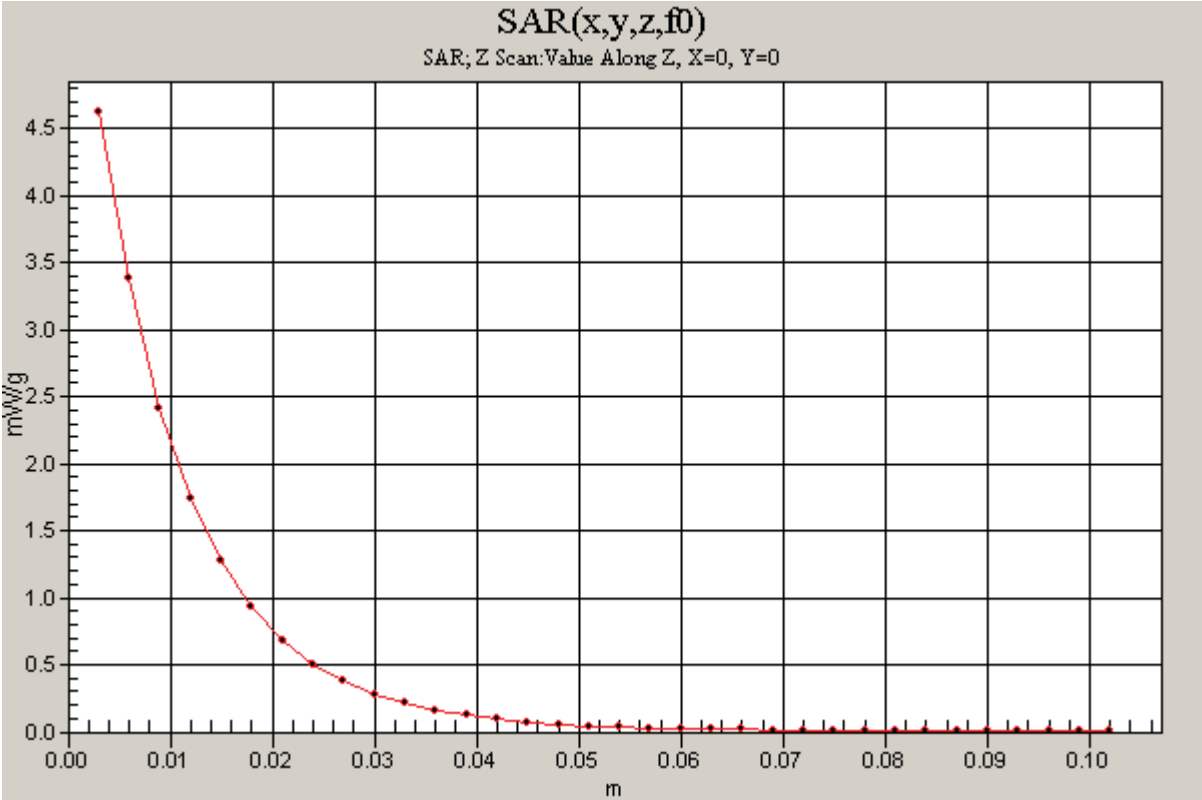
Test Laboratory: Compliance Certification Services

### System Performance Check D1800V2

DUT: Dipole; Type: D1800V2; Serial: 294

Communication System: System Check Signal - CW; Frequency: 1800 MHz;Duty Cycle: 1:1

**d=10mm; Pin=250mW/Z Scan (1x1x34):** Measurement grid: dx=20mm, dy=20mm, dz=3mm  
Maximum value of SAR (measured) = 4.62 mW/g



Test Laboratory: Compliance Certification Services

### System Performance Check - D1900V2

DUT: Dipole; Type: D1900V2; Serial: 5d043

Communication System: System Check Signal - CW; Frequency: 1900 MHz; Duty Cycle: 1:1

Medium parameters used:  $f = 1900 \text{ MHz}$ ;  $\sigma = 1.55 \text{ mho/m}$ ;  $\epsilon_r = 52.4$ ;  $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

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

DASY4 Configuration:

- Area Scan setting - Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.0012W/kg
- Probe: EX3DV3 - SN3531; ConvF(8.04, 8.04, 8.04); Calibrated: 2/23/2010
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn427; Calibrated: 7/21/2010
- Phantom: Flat Phantom ELI4.0; Type: QDOVA001BA; Serial: SN:1003
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

**d=10mm, Pin=100mW/Area Scan (7x7x1):** Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 3.81 mW/g

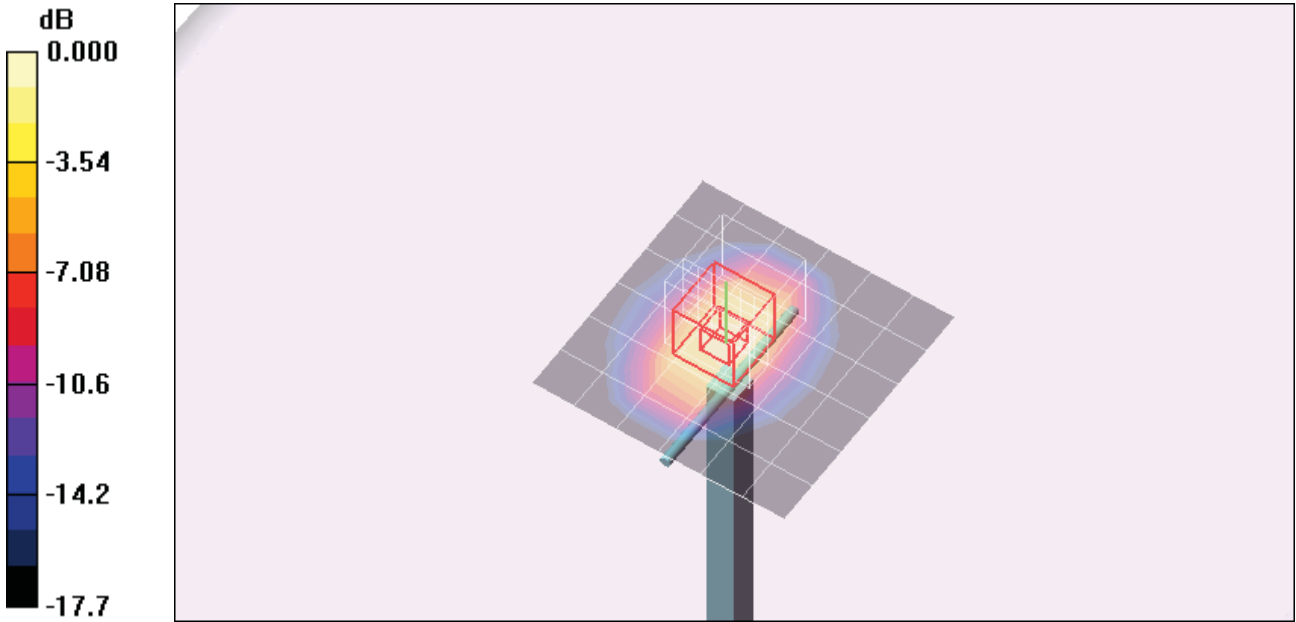
**d=10mm, Pin=100mW/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 57.2 V/m; Power Drift = 0.078 dB

Peak SAR (extrapolated) = 7.29 W/kg

**SAR(1 g) = 4.07 mW/g; SAR(10 g) = 2.16 mW/g**

Maximum value of SAR (measured) = 5.12 mW/g



0 dB = 5.12mW/g

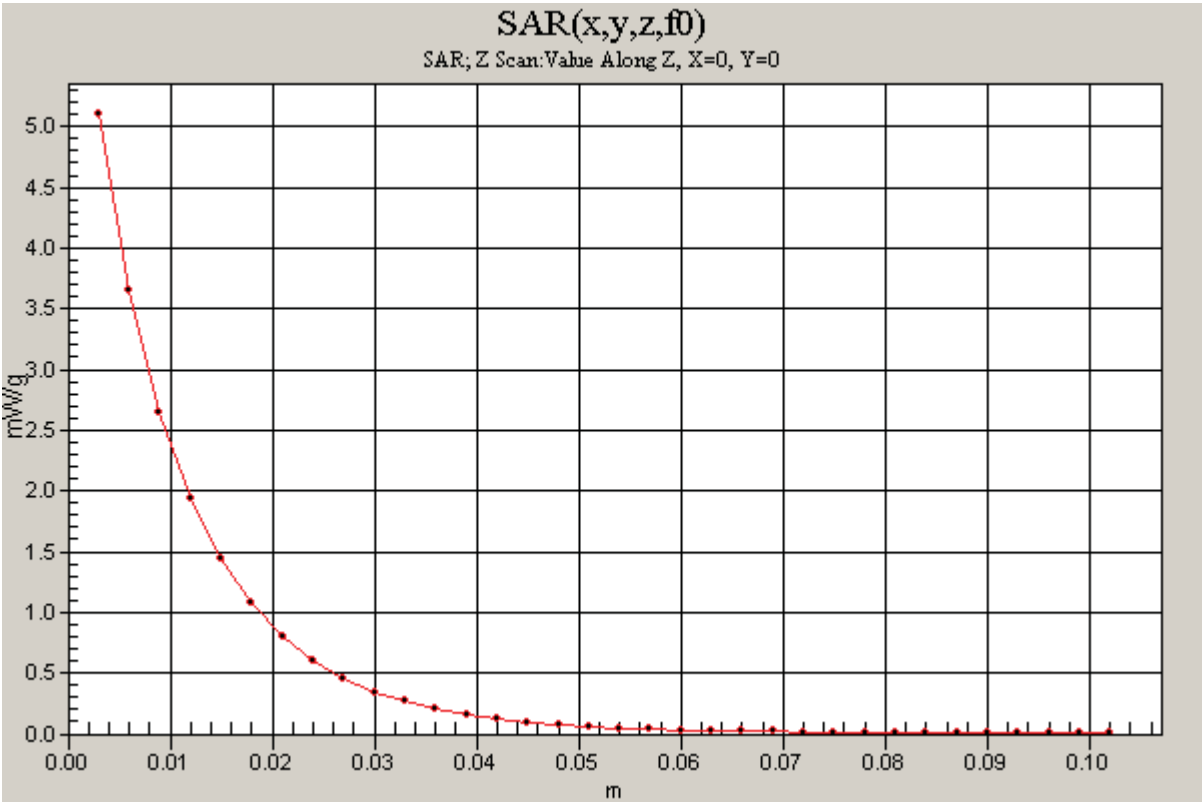
Test Laboratory: Compliance Certification Services

### System Performance Check - D1900V2

DUT: Dipole; Type: D1900V2; Serial: 5d043

Communication System: System Check Signal - CW; Frequency: 1900 MHz;Duty Cycle: 1:1

**d=10mm, Pin=100mW/Z Scan (1x1x34):** Measurement grid: dx=20mm, dy=20mm, dz=3mm  
Maximum value of SAR (measured) = 5.10 mW/g



Test Laboratory: Compliance Certification Services

**System Performance Check - D750V2**

DUT: D750V3; Type: D750V3; Serial: 1011

Communication System: CW 750MHz; Frequency: 750 MHz; Duty Cycle: 1:1  
 Medium parameters used:  $f = 750$  MHz;  $\sigma = 0.987$  mho/m;  $\epsilon_r = 54.7$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

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

DASY4 Configuration:

- Area Scan setting - Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.0012W/kg
- Probe: EX3DV3 - SN3508; ConvF(10.46, 10.46, 10.46); Calibrated: 2/19/2010
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn427; Calibrated: 7/21/2010
- Phantom: Flat Phantom ELI4.0; Type: QDOVA001BA; Serial: SN:1003
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

**d=15mm, Pin=100 mW/Area Scan (7x9x1):** Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 0.994 mW/g

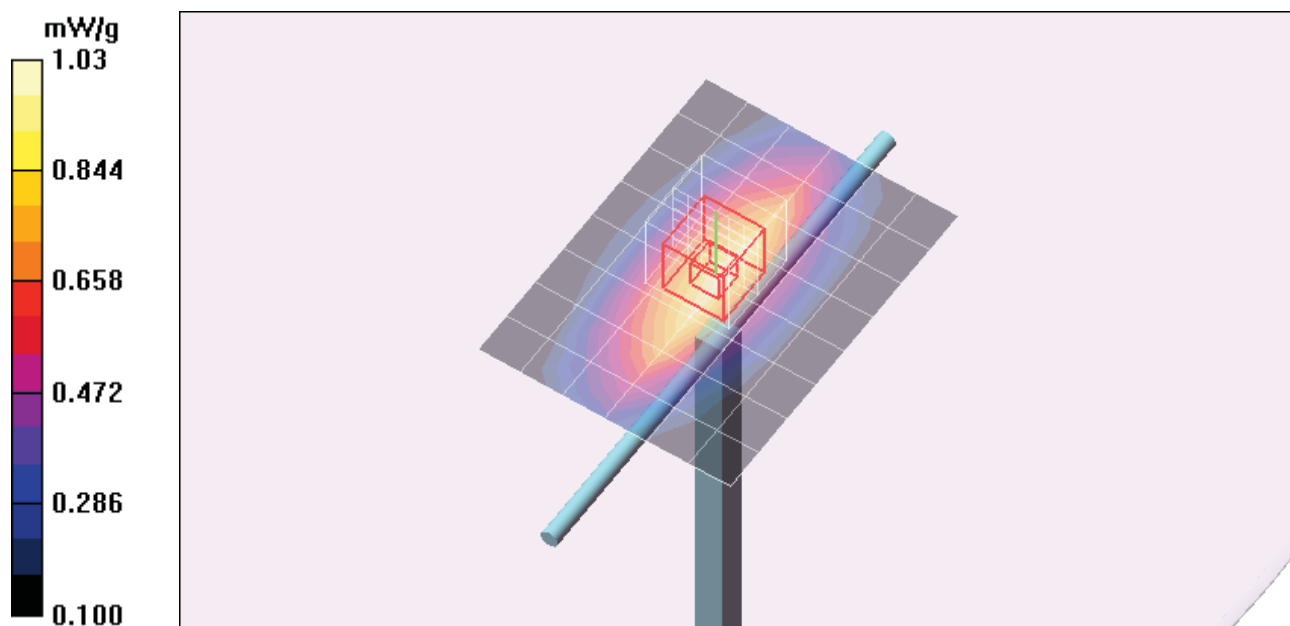
**d=15mm, Pin=100 mW/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 32.0 V/m; Power Drift = 0.027 dB

Peak SAR (extrapolated) = 1.31 W/kg

**SAR(1 g) = 0.877 mW/g; SAR(10 g) = 0.576 mW/g**

Maximum value of SAR (measured) = 1.03 mW/g



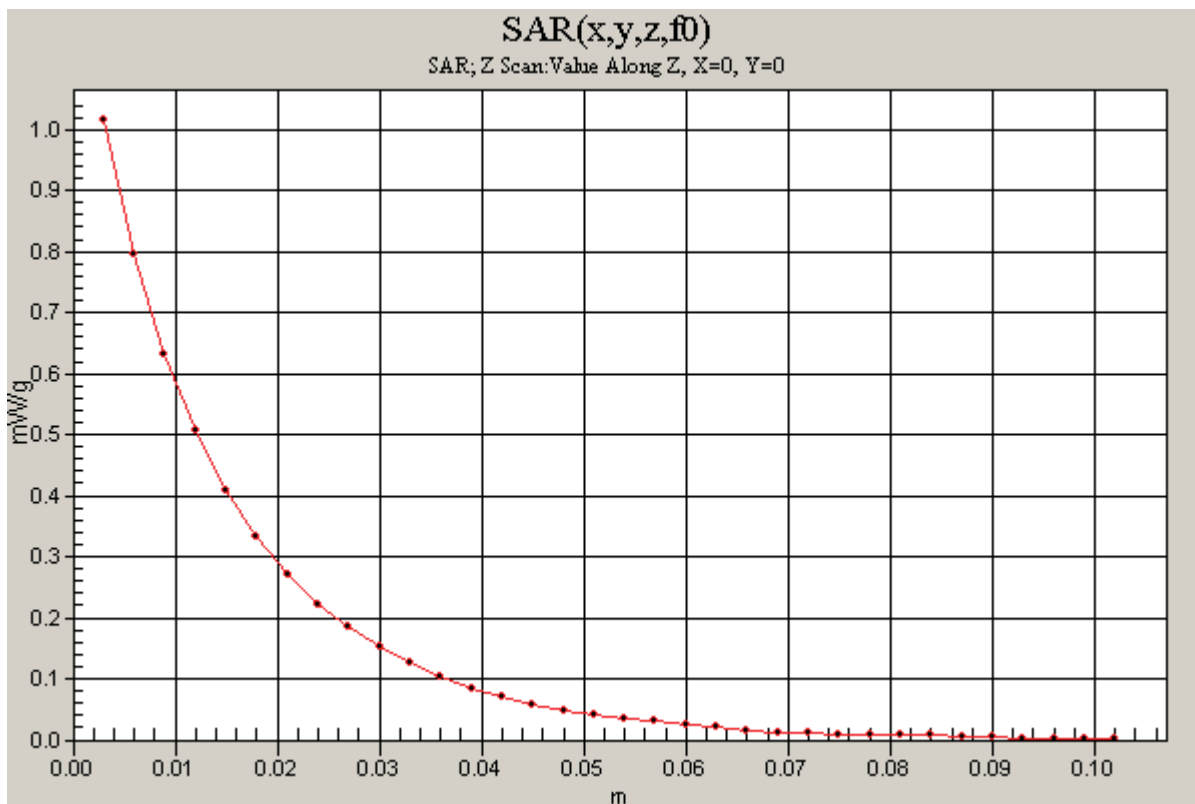
Test Laboratory: Compliance Certification Services

### System Performance Check - D750V2

DUT: D750V3; Type: D750V3; Serial: 1011

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

**d=15mm, Pin=100 mW/Z Scan (1x1x34):** Measurement grid: dx=20mm, dy=20mm, dz=3mm  
Maximum value of SAR (measured) = 1.02 mW/g



Test Laboratory: UL CCS

## System Performance Check - D835V2

DUT: D835V2; Type: D835V2; Serial: 4d002

Communication System: System Check Signal - CW; Frequency: 835 MHz; Duty Cycle: 1:1  
 Medium parameters used:  $f = 835$  MHz;  $\sigma = 0.979$  mho/m;  $\epsilon_r = 53.8$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
 Phantom section: Flat Section

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

DASY4 Configuration:

- Area Scan setting - Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.0012W/kg
- Probe: EX3DV4 - SN3749; ConvF(8.79, 8.79, 8.79); Calibrated: 12/13/2010
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn427; Calibrated: 7/21/2010
- Phantom: Flat Phantom ELI4.0; Type: QDOVA001BB; Serial: SN:1017
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

**d=10mm, Pin=100mW/Area Scan (7x7x1):** Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 1.11 mW/g

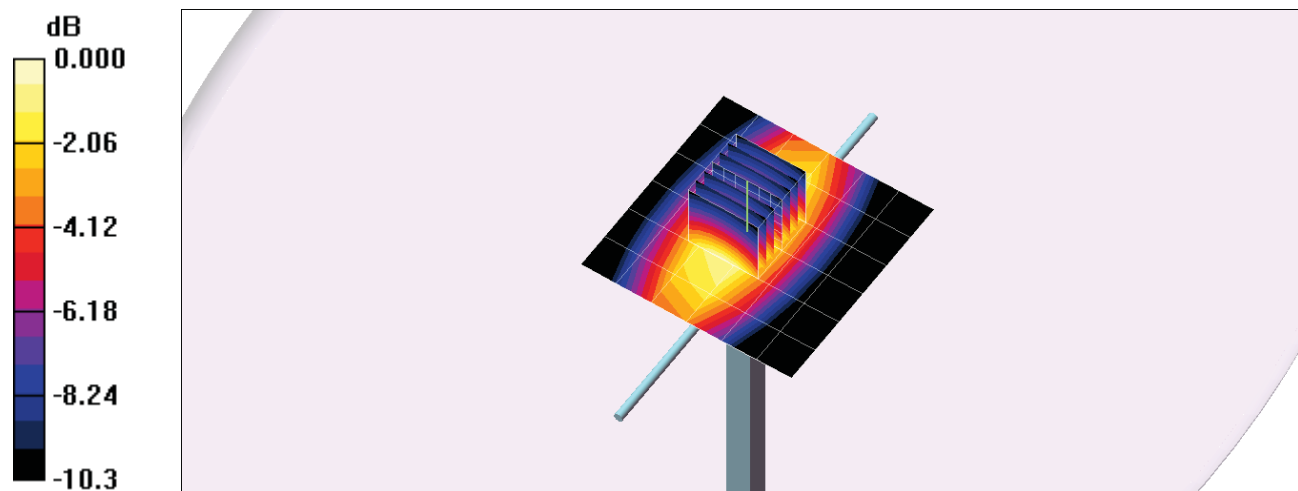
**d=10mm, Pin=100mW/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 35.3 V/m; Power Drift = -0.050 dB

Peak SAR (extrapolated) = 1.53 W/kg

**SAR(1 g) = 1.02 mW/g; SAR(10 g) = 0.673 mW/g**

Maximum value of SAR (measured) = 1.19 mW/g



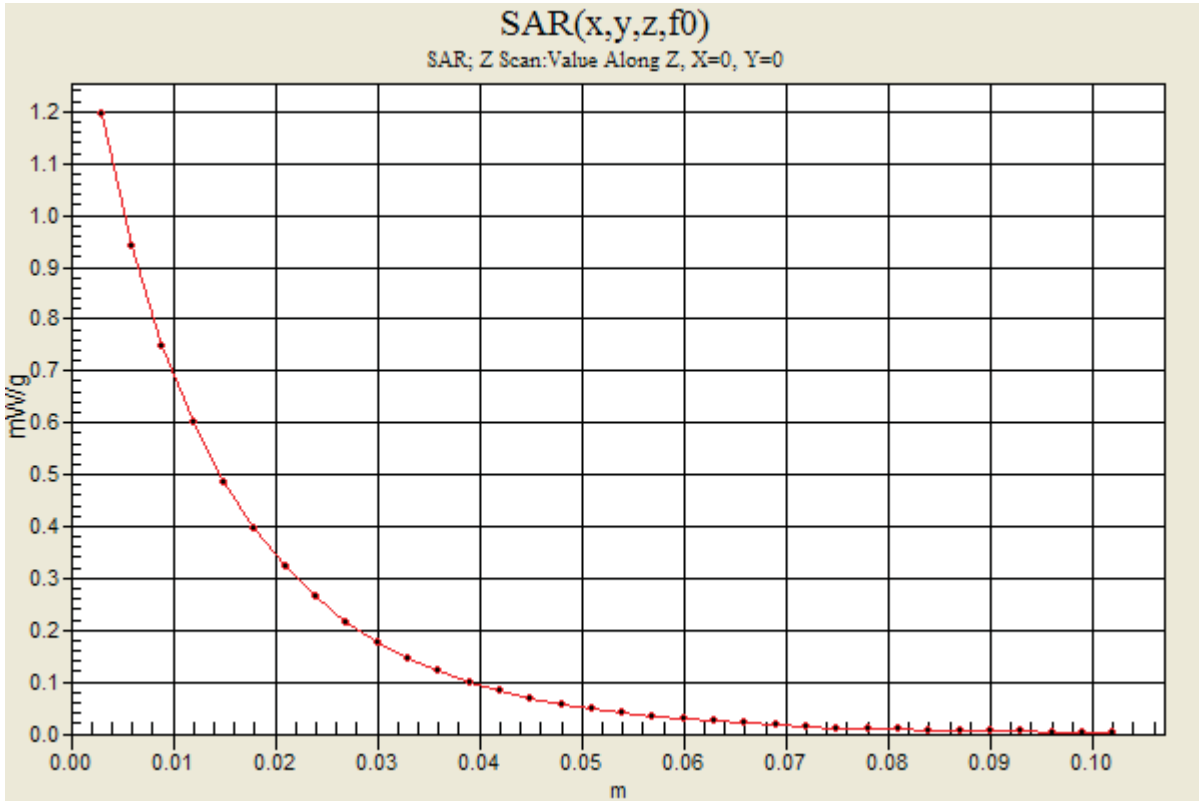
Test Laboratory: UL CCS

## System Performance Check - D835V2

DUT: D835V2; Type: D835V2; Serial: 4d002

Communication System: System Check Signal - CW; Frequency: 835 MHz; Duty Cycle: 1:1

**d=10mm, Pin=100mW/Z Scan (1x1x34):** Measurement grid: dx=20mm, dy=20mm, dz=3mm  
Maximum value of SAR (measured) = 1.20 mW/g





Test Laboratory: UL CCS

## System Performance Check - D750V2

DUT: D750V3; Type: D750V3; Serial: 1019

Communication System: CW 750MHz; Frequency: 750 MHz; Duty Cycle: 1:1  
Medium parameters used:  $f = 750 \text{ MHz}$ ;  $\sigma = 0.955 \text{ mho/m}$ ;  $\epsilon_r = 55.7$ ;  $\rho = 1000 \text{ kg/m}^3$   
Phantom section: Flat Section

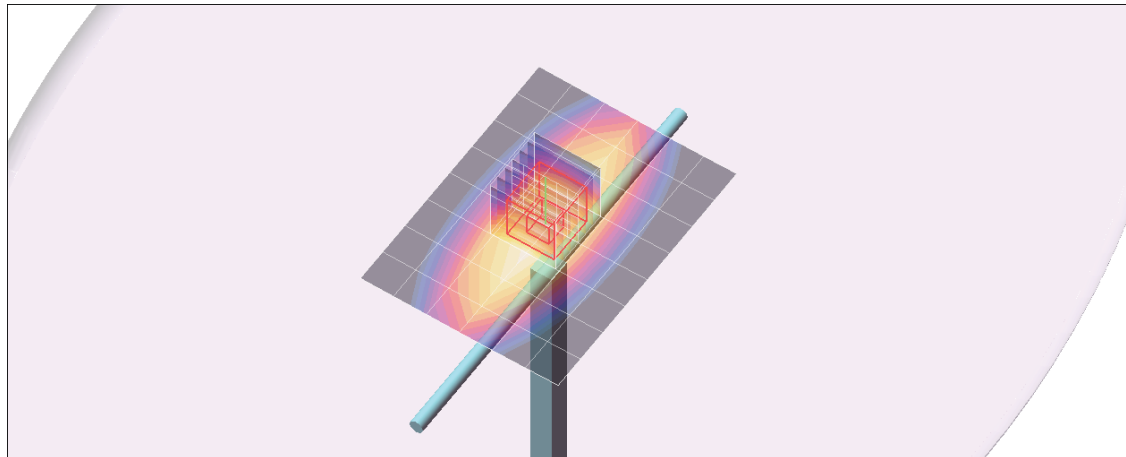
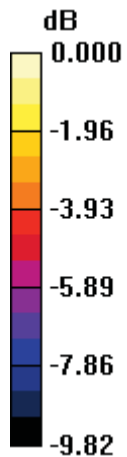
Room Ambient Temperature: 24.0 deg. C; Liquid Temperature: 23.0 deg. C

DASY4 Configuration:

- Area Scan setting - Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.0012W/kg
- Probe: EX3DV4 - SN3751; ConvF(8.86, 8.86, 8.86); Calibrated: 12/13/2010
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn427; Calibrated: 7/21/2010
- Phantom: Flat Phantom ELI4.0; Type: QDOVA001BB; Serial: SN:1017
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

**d=15mm, Pin=100 mW/Area Scan (7x9x1):** Measurement grid: dx=15mm, dy=15mm  
Maximum value of SAR (measured) = 0.991 mW/g

**d=15mm, Pin=100 mW/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm  
Reference Value = 32.4 V/m; Power Drift = -0.007 dB  
Peak SAR (extrapolated) = 1.26 W/kg  
**SAR(1 g) = 0.849 mW/g; SAR(10 g) = 0.564 mW/g**  
Maximum value of SAR (measured) = 0.990 mW/g



0 dB = 0.990mW/g

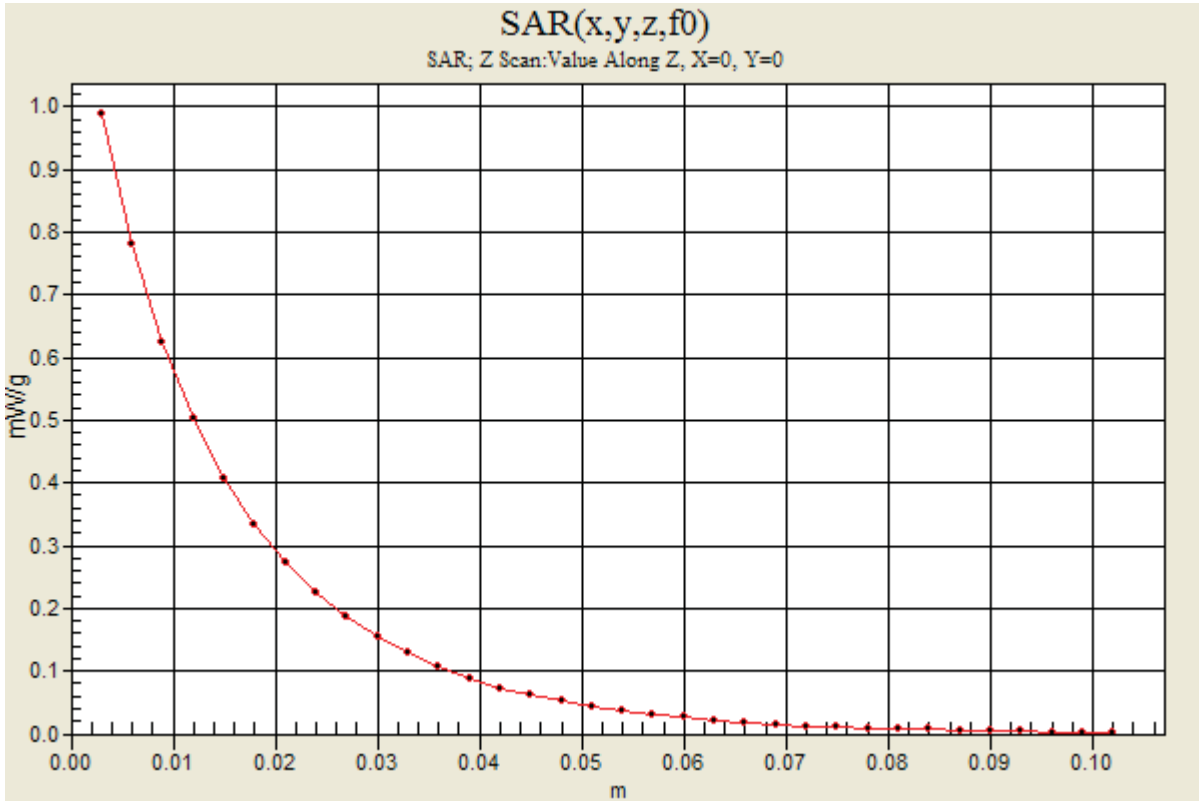
Test Laboratory: UL CCS

## System Performance Check - D750V2

DUT: D750V3; Type: D750V3; Serial: 1019

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

**d=15mm, Pin=100 mW/Z Scan (1x1x34):** Measurement grid: dx=20mm, dy=20mm, dz=3mm  
Maximum value of SAR (measured) = 0.988 mW/g



Test Laboratory: UL CCS

## System Performance Check D1800V2

DUT: Dipole; Type: D1800V2; Serial: 294

Communication System: System Check Signal - CW; Frequency: 1800 MHz; Duty Cycle: 1:1  
Medium parameters used:  $f = 1800 \text{ MHz}$ ;  $\sigma = 1.57 \text{ mho/m}$ ;  $\epsilon_r = 52.5$ ;  $\rho = 1000 \text{ kg/m}^3$   
Phantom section: Flat Section

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

DASY4 Configuration:

- Area Scan setting - Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.0012W/kg
- Probe: EX3DV4 - SN3749; ConvF(7.51, 7.51, 7.51); Calibrated: 12/13/2010
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn427; Calibrated: 7/21/2010
- Phantom: Flat Phantom ELI4.0; Type: QDOVA001BA; Serial: SN:1003
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

**d=10mm; Pin=250mW/Area Scan (7x7x1):** Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 4.91 mW/g

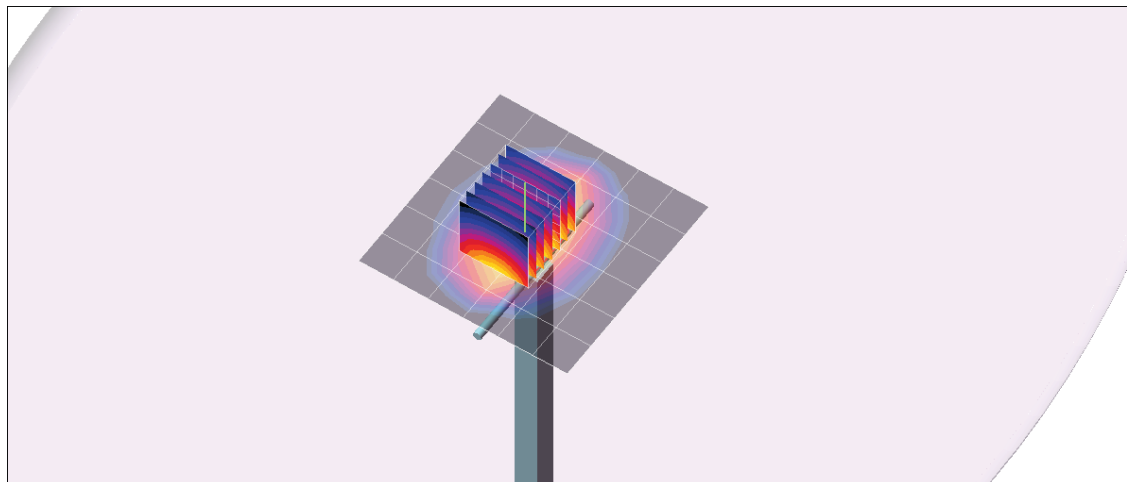
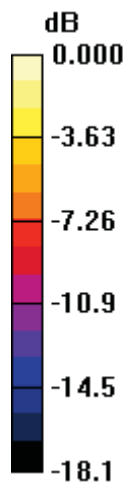
**d=10mm; Pin=250mW/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 56.2 V/m; Power Drift = 0.168 dB

Peak SAR (extrapolated) = 7.39 W/kg

**SAR(1 g) = 4.01 mW/g; SAR(10 g) = 2.09 mW/g**

Maximum value of SAR (measured) = 5.08 mW/g



0 dB = 5.08mW/g

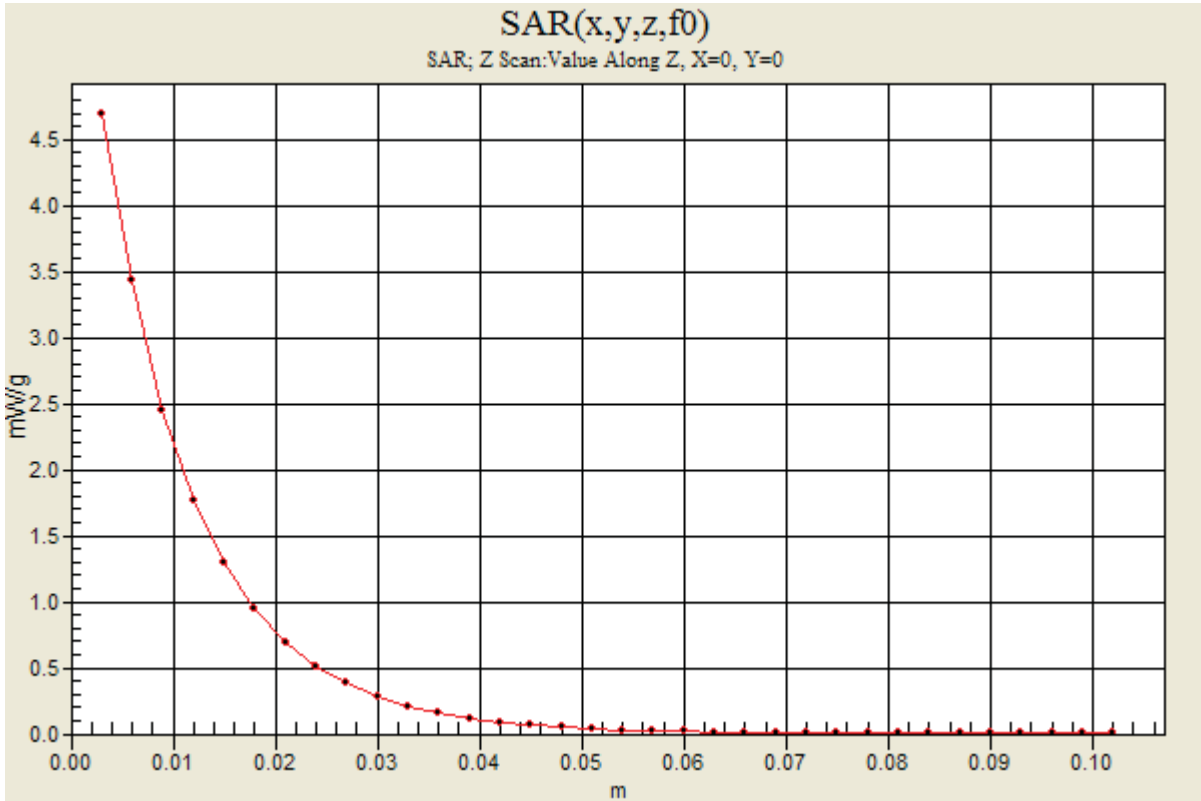
Test Laboratory: UL CCS

## System Performance Check D1800V2

DUT: Dipole; Type: D1800V2; Serial: 294

Communication System: System Check Signal - CW; Frequency: 1800 MHz; Duty Cycle: 1:1

**d=10mm; Pin=250mW/Z Scan (1x1x34):** Measurement grid: dx=20mm, dy=20mm, dz=3mm  
Maximum value of SAR (measured) = 4.69 mW/g



Test Laboratory: UL CCS

## System Performance Check D1800V2

DUT: Dipole; Type: D1800V2; Serial: 294

Communication System: System Check Signal - CW; Frequency: 1800 MHz; Duty Cycle: 1:1  
Medium parameters used:  $f = 1800 \text{ MHz}$ ;  $\sigma = 1.58 \text{ mho/m}$ ;  $\epsilon_r = 53.2$ ;  $\rho = 1000 \text{ kg/m}^3$   
Phantom section: Flat Section

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

DASY4 Configuration:

- Area Scan setting - Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.0012W/kg
- Probe: EX3DV4 - SN3749; ConvF(7.51, 7.51, 7.51); Calibrated: 12/13/2010
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn427; Calibrated: 7/21/2010
- Phantom: Flat Phantom ELI4.0; Type: QDOVA001BA; Serial: SN:1003
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

**d=10mm; Pin=100mW/Area Scan (7x7x1):** Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 4.90 mW/g

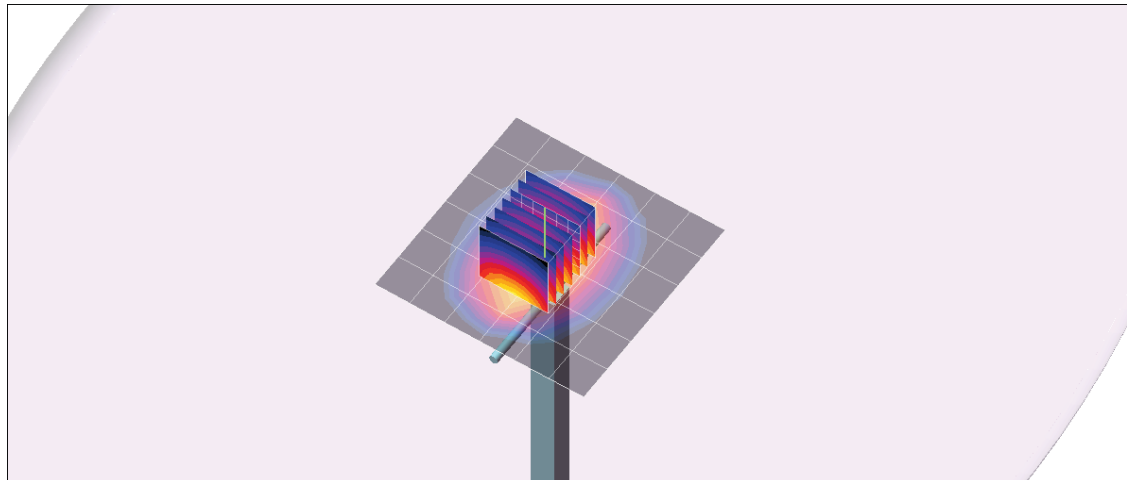
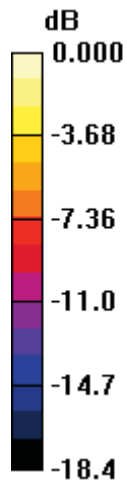
**d=10mm; Pin=100mW/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 55.9 V/m; Power Drift = 0.140 dB

Peak SAR (extrapolated) = 7.24 W/kg

**SAR(1 g) = 3.95 mW/g; SAR(10 g) = 2.05 mW/g**

Maximum value of SAR (measured) = 5.02 mW/g



0 dB = 5.02mW/g

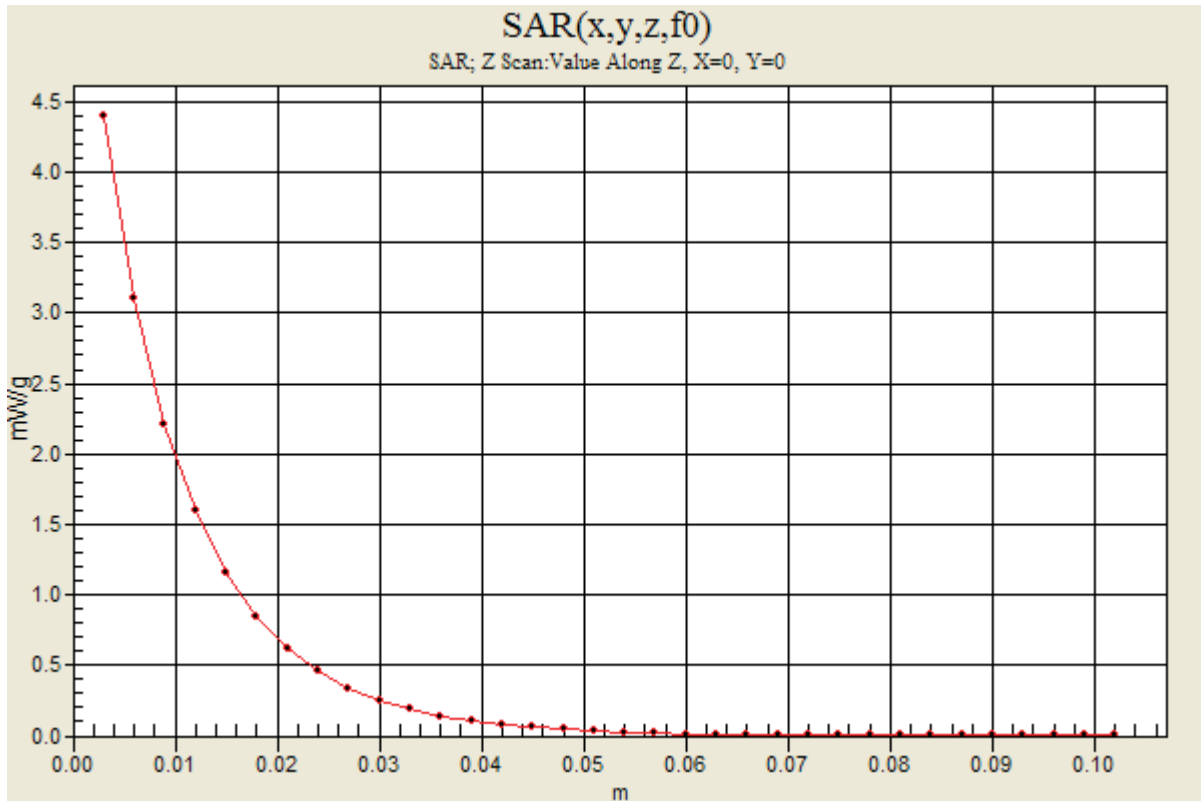
Test Laboratory: UL CCS

## System Performance Check D1800V2

DUT: Dipole; Type: D1800V2; Serial: 294

Communication System: System Check Signal - CW; Frequency: 1800 MHz; Duty Cycle: 1:1

**d=10mm; Pin=100mW/Z Scan (1x1x34):** Measurement grid: dx=20mm, dy=20mm, dz=3mm  
Maximum value of SAR (measured) = 4.40 mW/g



Test Laboratory: UL CCS

## System Performance Check D1800V2

DUT: Dipole; Type: D1800V2; Serial: 294

Communication System: System Check Signal - CW; Frequency: 1800 MHz; Duty Cycle: 1:1  
Medium parameters used:  $f = 1800 \text{ MHz}$ ;  $\sigma = 1.54 \text{ mho/m}$ ;  $\epsilon_r = 53.1$ ;  $\rho = 1000 \text{ kg/m}^3$   
Phantom section: Flat Section

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

DASY4 Configuration:

- Area Scan setting - Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.0012W/kg
- Probe: EX3DV4 - SN3749; ConvF(7.51, 7.51, 7.51); Calibrated: 12/13/2010
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn427; Calibrated: 7/21/2010
- Phantom: Flat Phantom ELI4.0; Type: QDOVA001BA; Serial: SN:1003
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

**d=10mm; Pin=100mW/Area Scan (7x7x1):** Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 4.84 mW/g

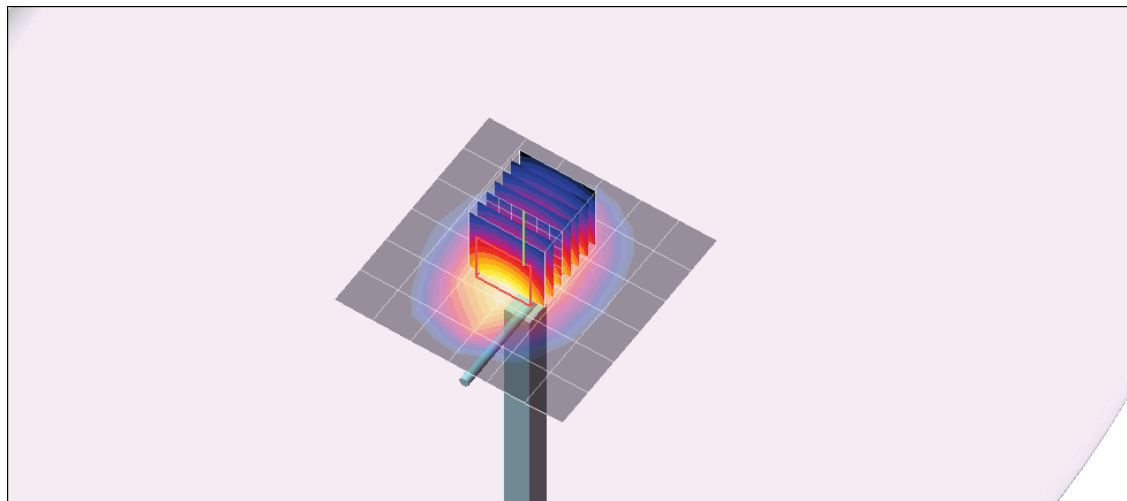
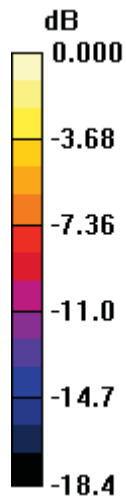
**d=10mm; Pin=100mW/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 56.3 V/m; Power Drift = 0.074 dB

Peak SAR (extrapolated) = 7.10 W/kg

**SAR(1 g) = 3.86 mW/g; SAR(10 g) = 2.02 mW/g**

Maximum value of SAR (measured) = 4.89 mW/g



0 dB = 4.89mW/g

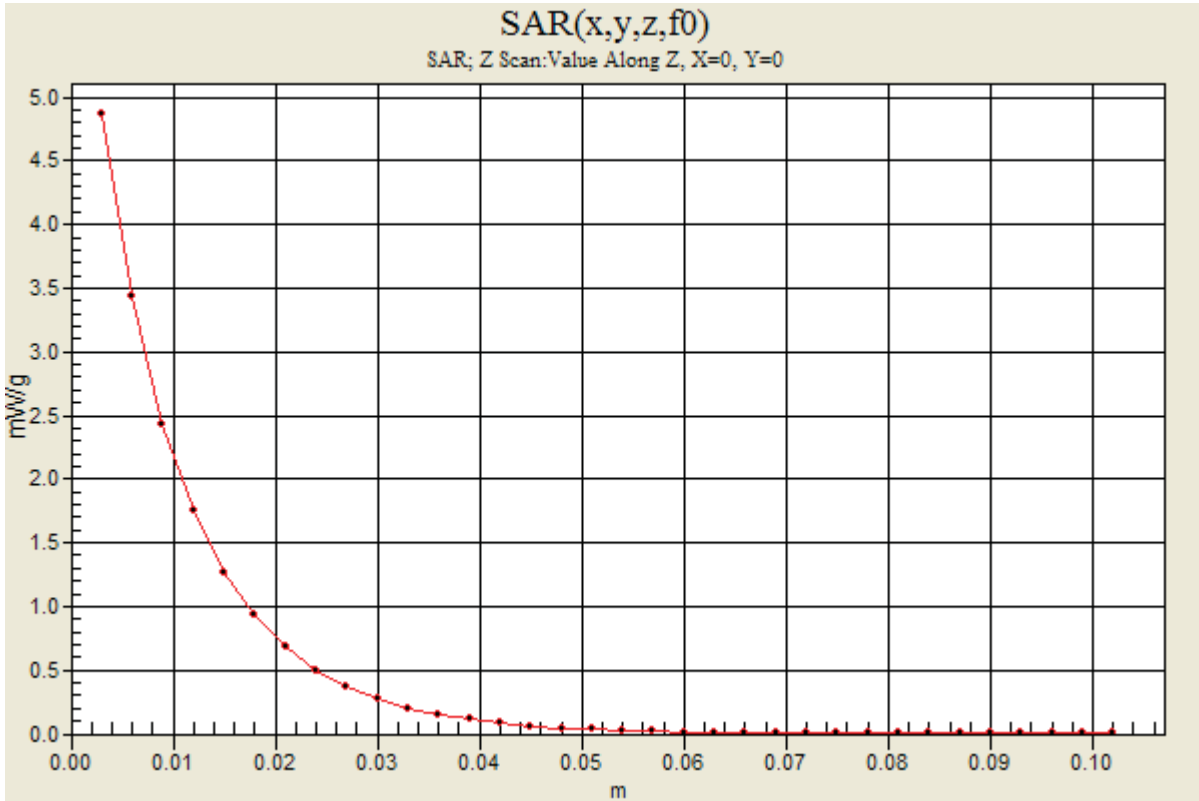
Test Laboratory: UL CCS

## System Performance Check D1800V2

DUT: Dipole; Type: D1800V2; Serial: 294

Communication System: System Check Signal - CW; Frequency: 1800 MHz; Duty Cycle: 1:1

**d=10mm; Pin=100mW/Z Scan (1x1x34):** Measurement grid: dx=20mm, dy=20mm, dz=3mm  
Maximum value of SAR (measured) = 4.87 mW/g





Test Laboratory: UL CCS

## System Check D1800V2 SN 294

DUT: Dipole 1800 MHz D1800V2; Type: D1800V2; Serial: D1800V2 - SN:xxx

Communication System: CW; Frequency: 1800 MHz; Duty Cycle: 1:1  
Medium parameters used:  $f = 1800$  MHz;  $\sigma = 1.592$  mho/m;  $\epsilon_r = 54.165$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Phantom section: Flat Section

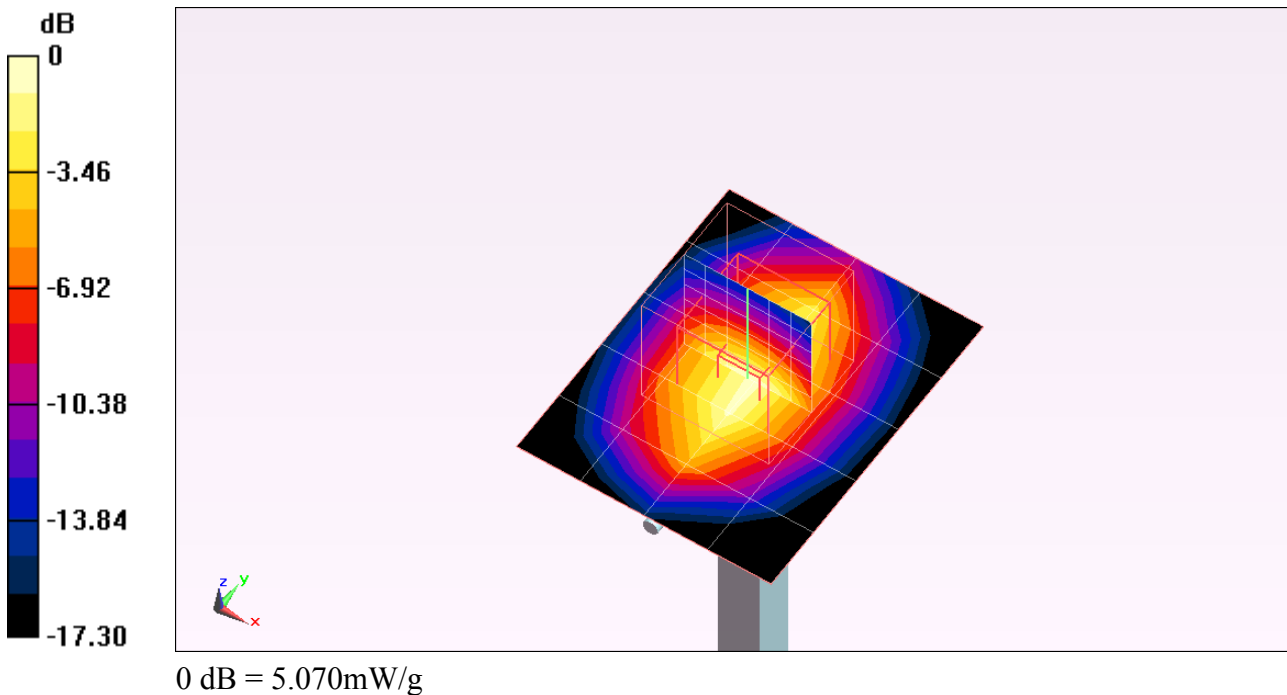
Room Ambient Temperature: 24.0 deg. C; Liquid Temperature: 23.0 deg. C

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(7.28, 7.28, 7.28); Calibrated: 1/24/2011
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1239; Calibrated: 11/17/2010
- Phantom: ELI 4.0; Type: QDOVA001BB; Serial: 1099
- Measurement SW: DASY52, Version 52.6 (1); SEMCAD X Version 14.4.2 (2595)

**D1800V2/Pin=100 mW/Area Scan (5x6x1):** Measurement grid: dx=15mm, dy=15mm  
Maximum value of SAR (measured) = 4.843 mW/g

**D1800V2/Pin=100 mW/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm  
Reference Value = 56.403 V/m; Power Drift = 0.02 dB  
Peak SAR (extrapolated) = 6.915 W/kg  
**SAR(1 g) = 3.76 mW/g; SAR(10 g) = 1.95 mW/g**  
Maximum value of SAR (measured) = 5.074 mW/g



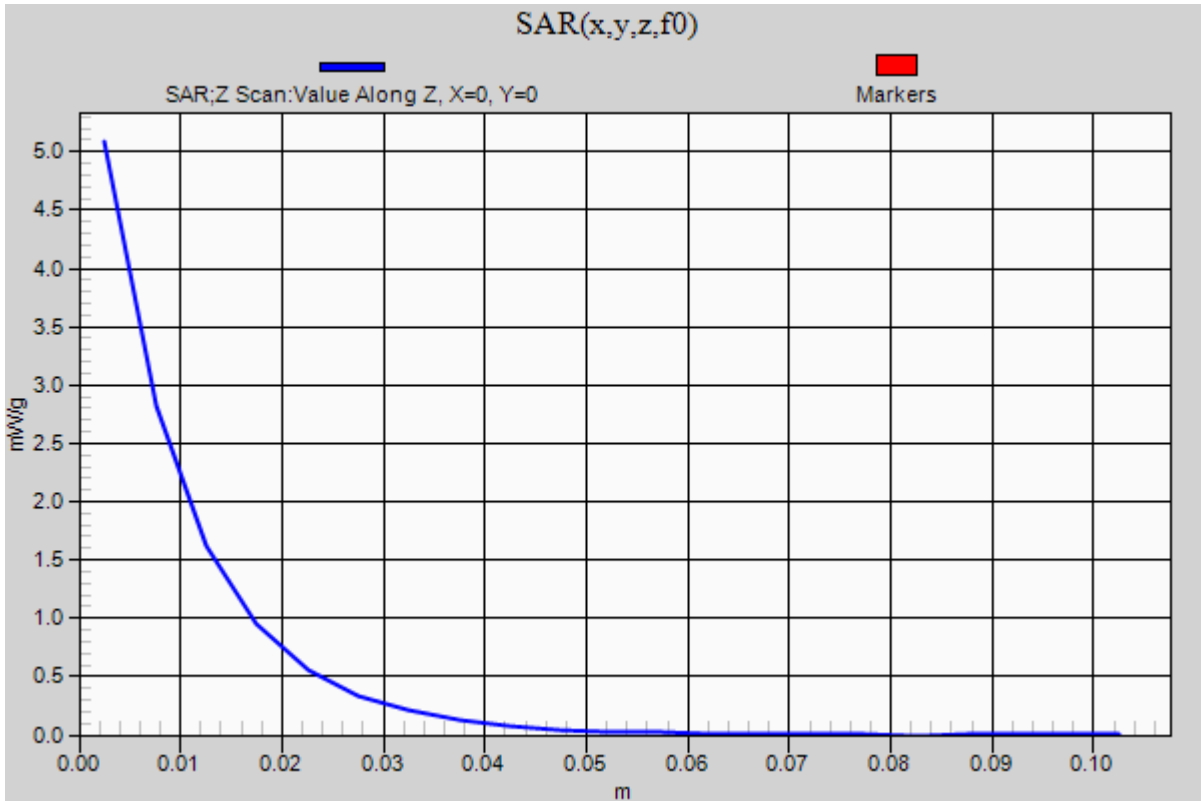
Test Laboratory: UL CCS

### System Check D1800V2 SN 294

DUT: Dipole 1800 MHz D1800V2; Type: D1800V2; Serial: D1800V2 - SN:xxx

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

**D1800V2/Pin=100 mW/Z Scan (1x1x21):** Measurement grid: dx=20mm, dy=20mm, dz=5mm  
Maximum value of SAR (measured) = 5.085 mW/g



Test Laboratory: UL CCS

## System Check D1800V2 SN 294

DUT: Dipole 1800 MHz D1800V2; Type: D1800V2; Serial: D1800V2 - SN:xxx

Communication System: CW; Frequency: 1750 MHz; Duty Cycle: 1:1  
Medium parameters used:  $f = 1750$  MHz;  $\sigma = 1.538$  mho/m;  $\epsilon_r = 54.356$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Phantom section: Flat Section

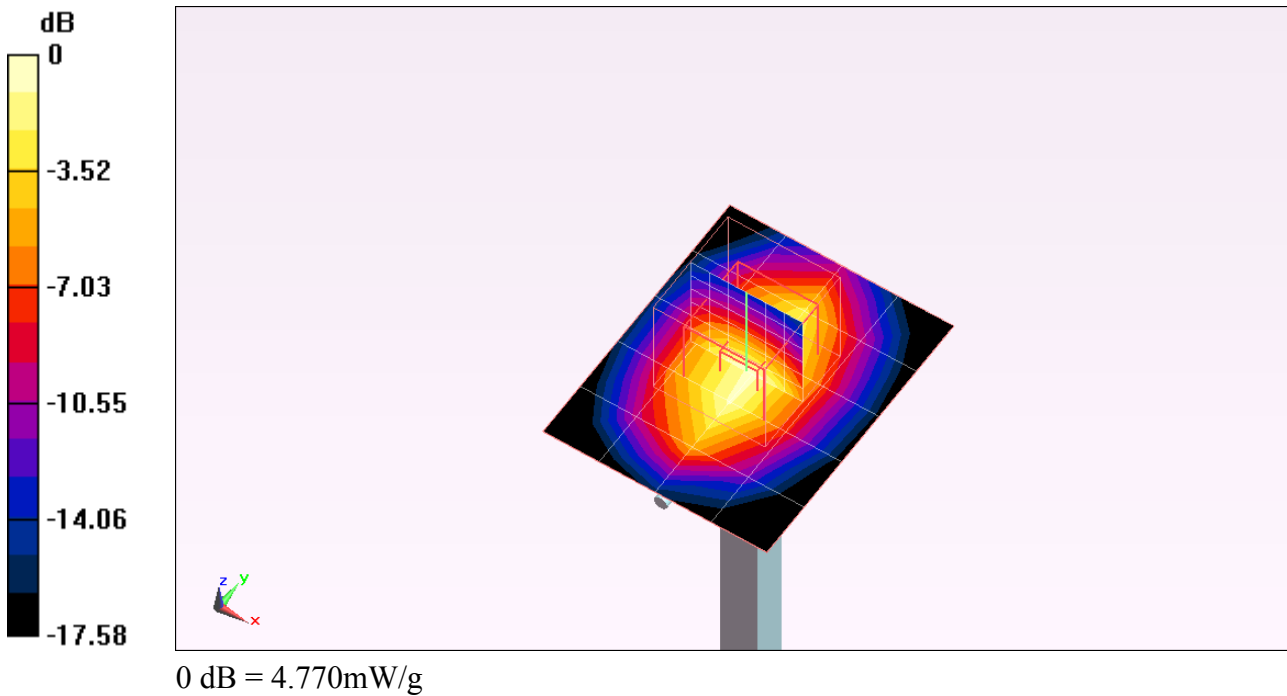
Room Ambient Temperature: 24.0 deg. C; Liquid Temperature: 23.0 deg. C

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(7.28, 7.28, 7.28); Calibrated: 1/24/2011
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1239; Calibrated: 11/17/2010
- Phantom: ELI 4.0; Type: QDOVA001BB; Serial: 1099
- Measurement SW: DASY52, Version 52.6 (1); SEMCAD X Version 14.4.2 (2595)

**D1750V2/Pin=100 mW/Area Scan (5x6x1):** Measurement grid: dx=15mm, dy=15mm  
Maximum value of SAR (measured) = 4.542 mW/g

**D1750V2/Pin=100 mW/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm  
Reference Value = 55.617 V/m; Power Drift = 0.02 dB  
Peak SAR (extrapolated) = 6.462 W/kg  
**SAR(1 g) = 3.52 mW/g; SAR(10 g) = 1.84 mW/g**  
Maximum value of SAR (measured) = 4.766 mW/g



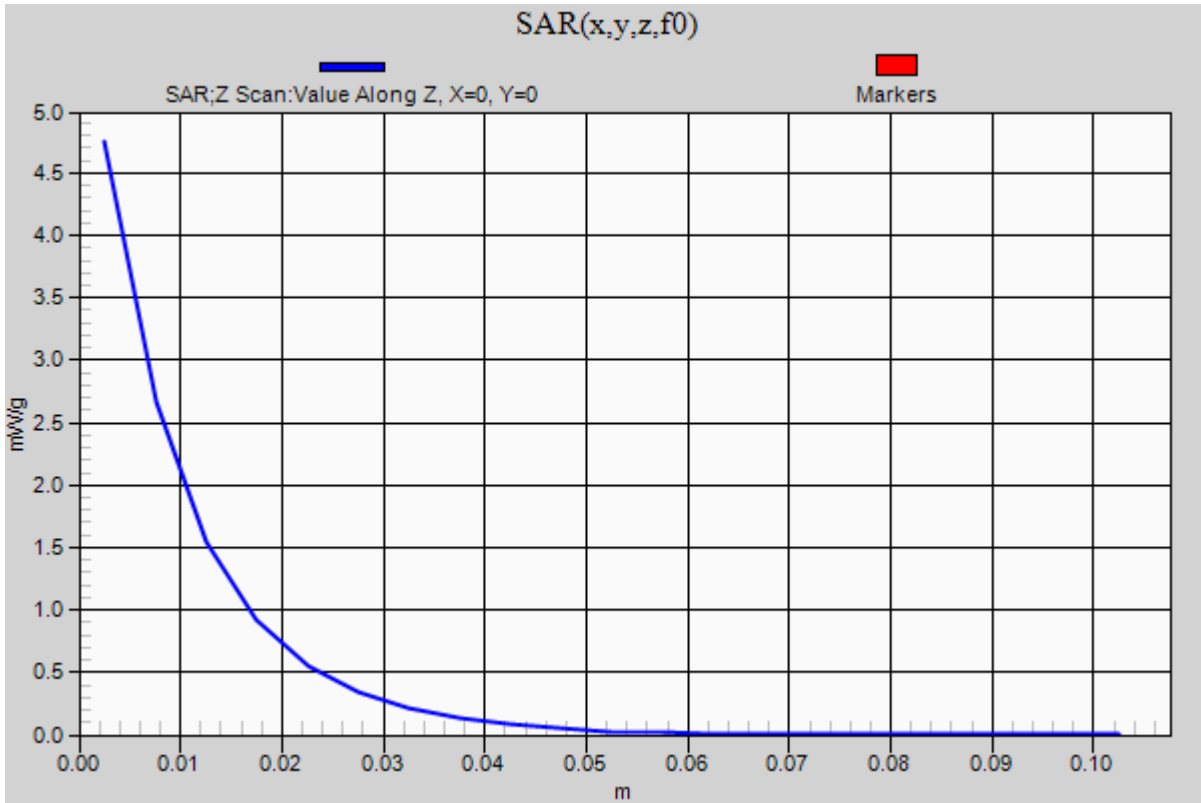
Test Laboratory: UL CCS

### System Check D1800V2 SN 294

DUT: Dipole 1800 MHz D1800V2; Type: D1800V2; Serial: D1800V2 - SN:xxx

Communication System: CW; Frequency: 1750 MHz; Duty Cycle: 1:1

**D1750V2/Pin=100 mW/Z Scan (1x1x21):** Measurement grid: dx=20mm, dy=20mm, dz=5mm  
Maximum value of SAR (measured) = 4.750 mW/g



Test Laboratory: UL CCS

## System Check D1800V2 SN 294

DUT: Dipole 1800 MHz D1800V2; Type: D1800V2; Serial: D1800V2 - SN:xxx

Communication System: CW; Frequency: 1800 MHz; Duty Cycle: 1:1  
Medium parameters used:  $f = 1800$  MHz;  $\sigma = 1.592$  mho/m;  $\epsilon_r = 54.165$ ;  $\rho = 1000$  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(7.28, 7.28, 7.28); Calibrated: 1/24/2011
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1239; Calibrated: 11/17/2010
- Phantom: ELI 4.0; Type: QDOVA001BB; Serial: 1099
- Measurement SW: DASY52, Version 52.6 (1);SEMCAD X Version 14.4.2 (2595)

**D1800V2/Pin=100 mW/Area Scan (5x6x1):** Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 4.769 mW/g

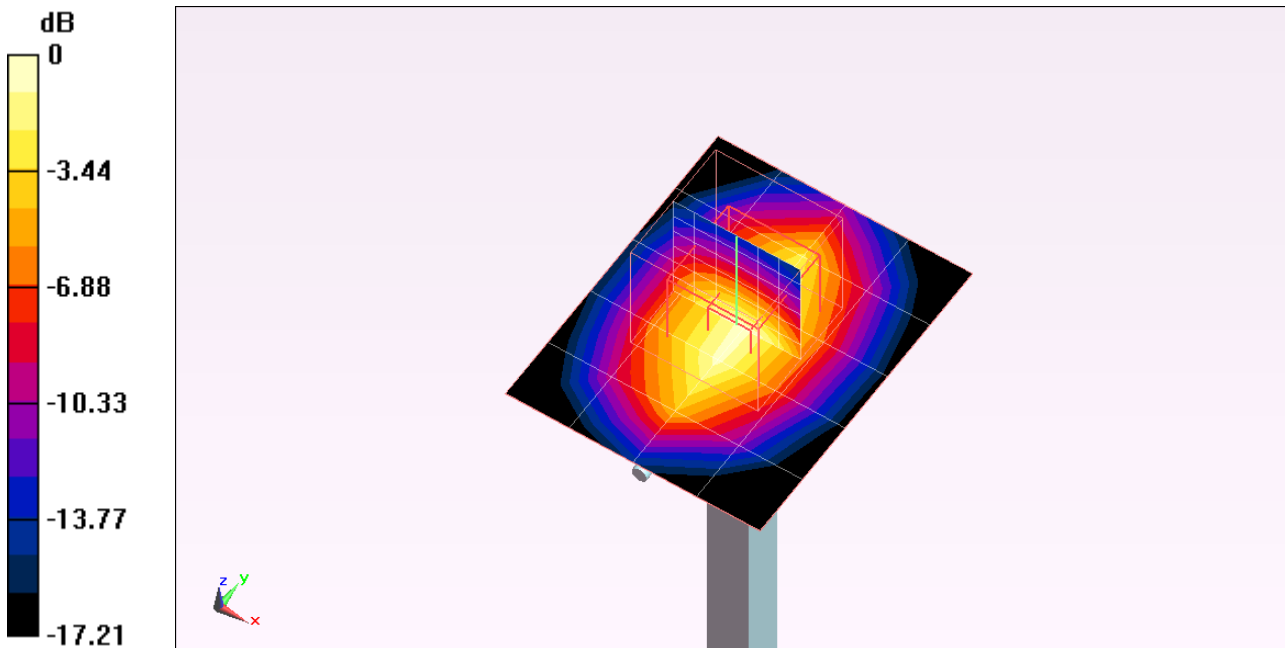
**D1800V2/Pin=100 mW/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 56.550 V/m; Power Drift = 0.0097 dB

Peak SAR (extrapolated) = 6.838 W/kg

**SAR(1 g) = 3.72 mW/g; SAR(10 g) = 1.93 mW/g**

Maximum value of SAR (measured) = 5.019 mW/g



0 dB = 5.020mW/g

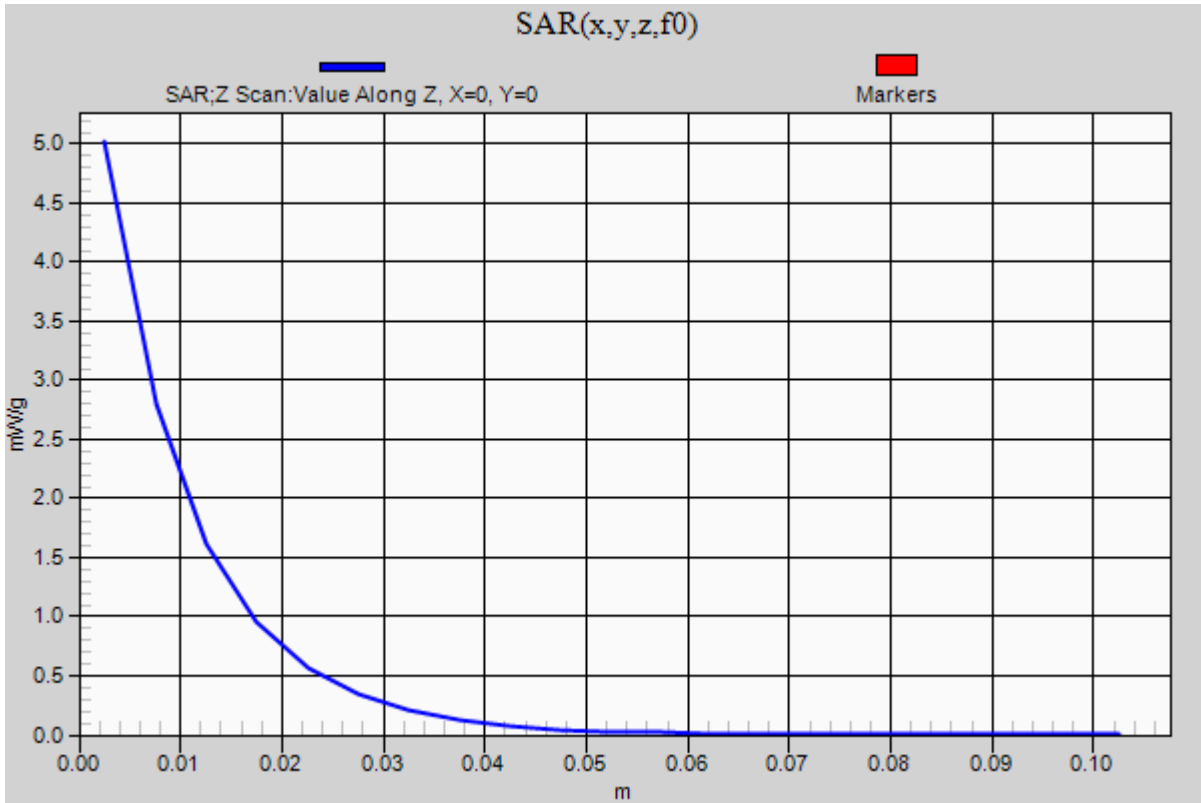
Test Laboratory: UL CCS

### System Check D1800V2 SN 294

DUT: Dipole 1800 MHz D1800V2; Type: D1800V2; Serial: D1800V2 - SN:xxx

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

**D1800V2/Pin=100 mW/Z Scan (1x1x21):** Measurement grid: dx=20mm, dy=20mm, dz=5mm  
Maximum value of SAR (measured) = 5.020 mW/g



Test Laboratory: UL CCS

## System Check D1800V2 SN 294

DUT: Dipole 1800 MHz D1800V2; Type: D1800V2; Serial: D1800V2 - SN:xxx

Communication System: CW; Frequency: 1750 MHz; Duty Cycle: 1:1  
Medium parameters used:  $f = 1750$  MHz;  $\sigma = 1.521$  mho/m;  $\epsilon_r = 53.579$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Phantom section: Flat Section

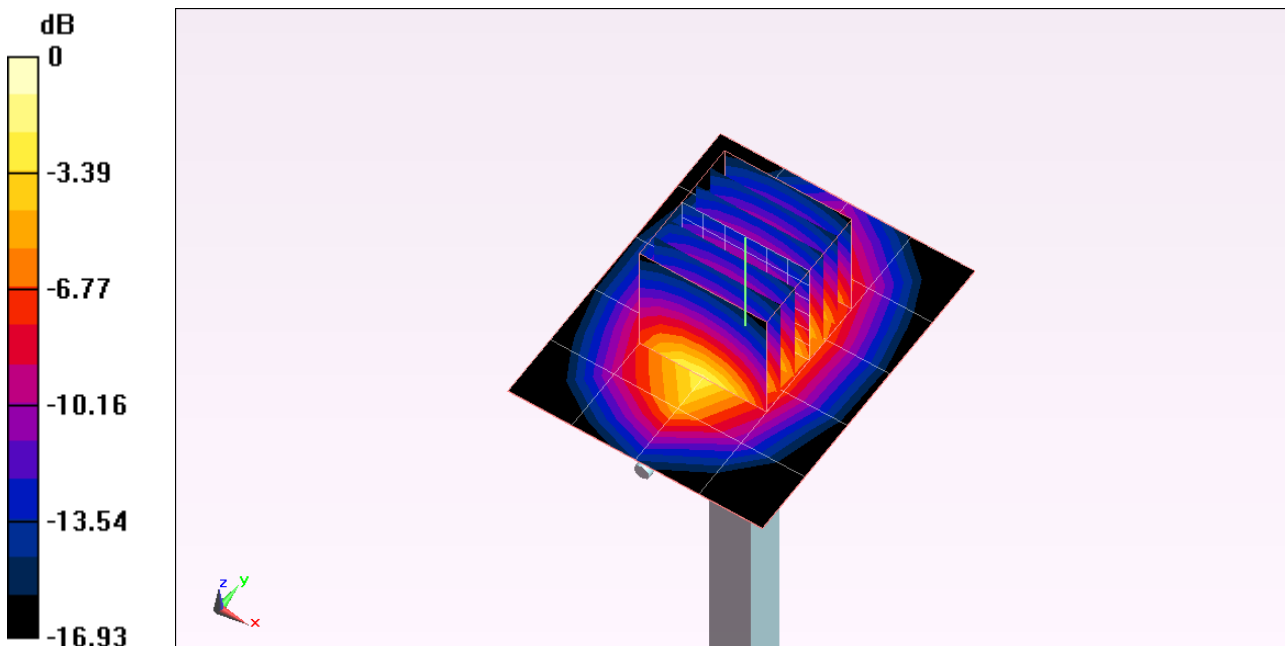
Room Ambient Temperature: 24.0 deg. C; Liquid Temperature: 23.0 deg. C

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(7.28, 7.28, 7.28); Calibrated: 1/24/2011
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1239; Calibrated: 11/17/2010
- Phantom: ELI 4.0; Type: QDOVA001BB; Serial: 1099
- Measurement SW: DASY52, Version 52.6 (1);SEMCAD X Version 14.4.2 (2595)

**D1750V2/Pin=100 mW 2/Area Scan (5x6x1):** Measurement grid: dx=15mm, dy=15mm  
Maximum value of SAR (measured) = 4.539 mW/g

**D1750V2/Pin=100 mW 2/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm  
Reference Value = 56.470 V/m; Power Drift = -0.00021 dB  
Peak SAR (extrapolated) = 6.464 W/kg  
**SAR(1 g) = 3.56 mW/g; SAR(10 g) = 1.86 mW/g**  
Maximum value of SAR (measured) = 4.789 mW/g



0 dB = 4.790mW/g

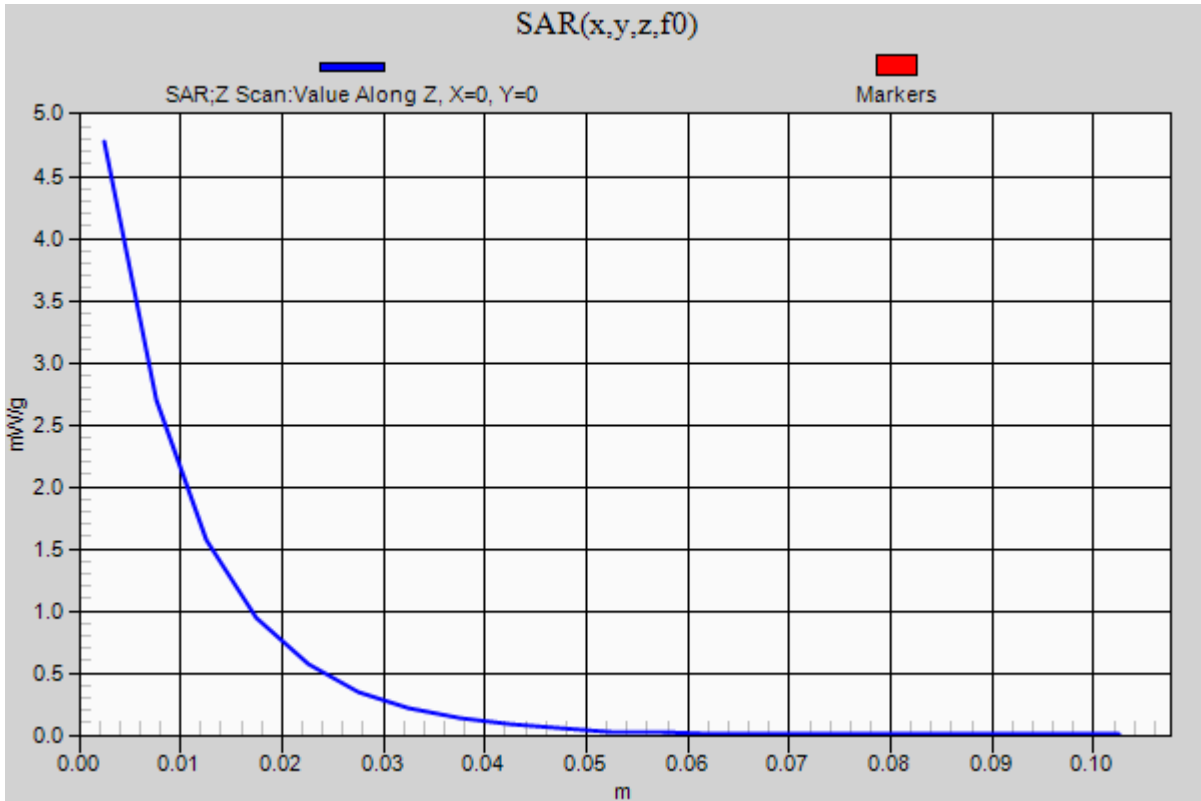
Test Laboratory: UL CCS

### System Check D1800V2 SN 294

DUT: Dipole 1800 MHz D1800V2; Type: D1800V2; Serial: D1800V2 - SN:xxx

Communication System: CW; Frequency: 1750 MHz; Duty Cycle: 1:1

**D1750V2/Pin=100 mW 2/Z Scan (1x1x21):** Measurement grid: dx=20mm, dy=20mm, dz=5mm  
Maximum value of SAR (measured) = 4.781 mW/g





Test Laboratory: UL CCS

## System Check for D750V3

DUT: D750V3; Type: D750V3; Serial: D750V3 - SN: 1019

Communication System: CW; Frequency: 750 MHz; Duty Cycle: 1:1  
Medium parameters used:  $f = 750$  MHz;  $\sigma = 0.955$  mho/m;  $\epsilon_r = 55.744$ ;  $\rho = 1000$  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: DAE4 Sn1239; Calibrated: 11/17/2010
- Phantom: ELI 4.0; Type: QDOVA001BB; Serial: 1099
- Measurement SW: DASY52, Version 52.6 (1); SEMCAD X Version 14.4.2 (2595)

**D750V3/Pin=100 mW/Area Scan (7x9x1):** Measurement grid: dx=15mm, dy=15mm  
Maximum value of SAR (measured) = 0.925 mW/g

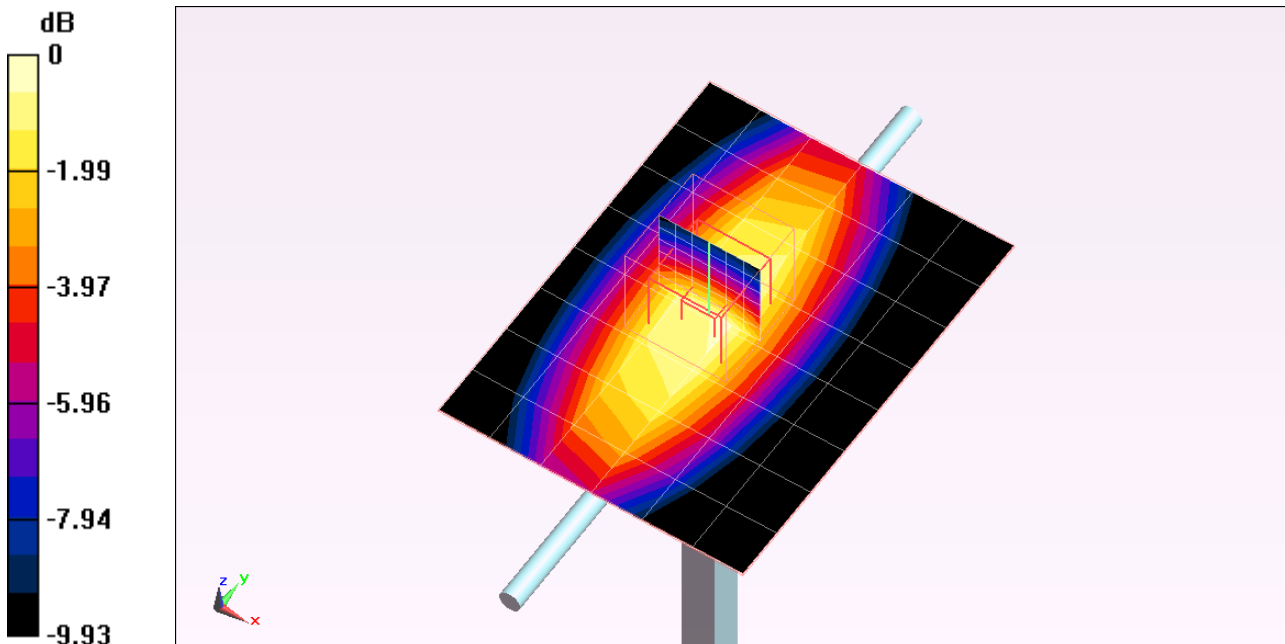
**D750V3/Pin=100 mW/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 33.025 V/m; Power Drift = 0.01 dB

Peak SAR (extrapolated) = 1.262 W/kg

**SAR(1 g) = 0.848 mW/g; SAR(10 g) = 0.563 mW/g**

Maximum value of SAR (measured) = 1.028 mW/g



0 dB = 1.030mW/g

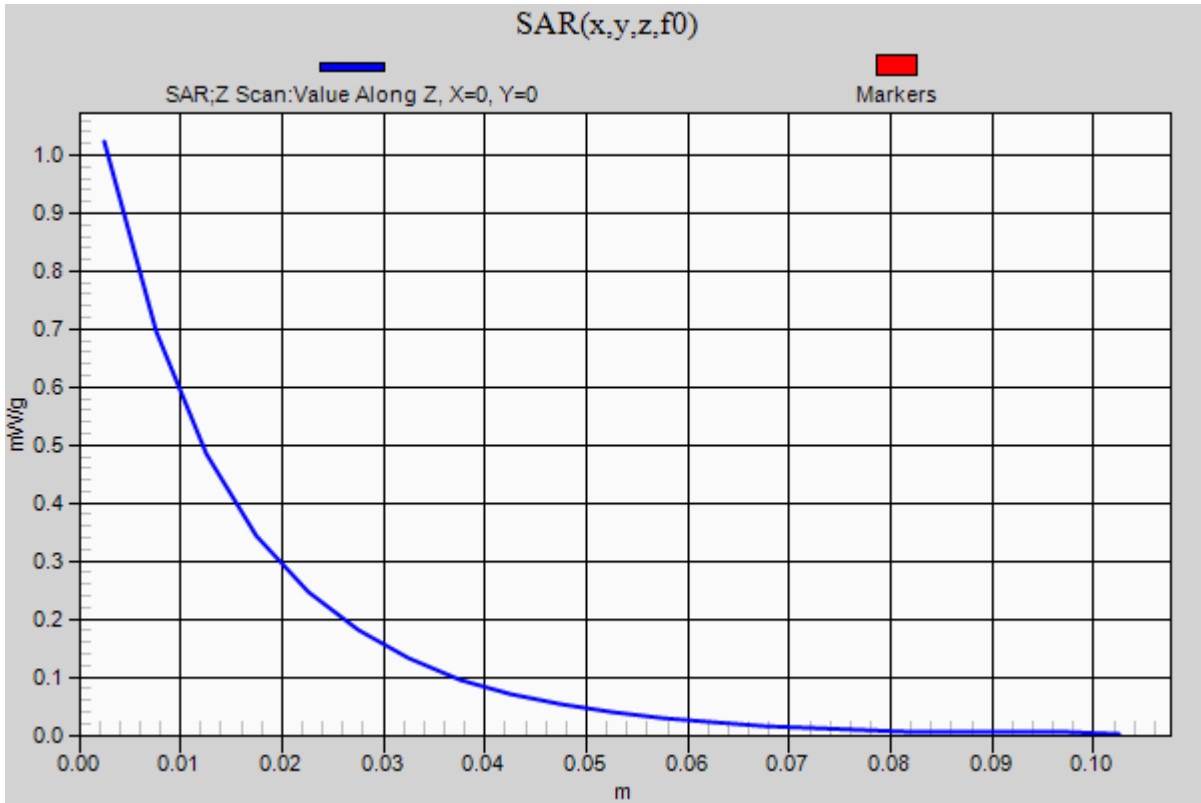
Test Laboratory: UL CCS

### System Check for D750V3

DUT: D750V3; Type: D750V3; Serial: D750V3 - SN:1019

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

**D750V3/Pin=100 mW/Z Scan (1x1x21):** Measurement grid: dx=20mm, dy=20mm, dz=5mm  
Maximum value of SAR (measured) = 1.023 mW/g



Test Laboratory: UL CCS

## System Check for D750V3

DUT: D750V3; Type: D750V3; Serial: 1019

Communication System: CW; Frequency: 750 MHz; Duty Cycle: 1:1  
Medium parameters used:  $f = 750$  MHz;  $\sigma = 0.953$  mho/m;  $\epsilon_r = 55.425$ ;  $\rho = 1000$  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: DAE4 Sn1239; Calibrated: 11/17/2010
- Phantom: ELI 4.0; Type: QDOVA001BB; Serial: 1099
- Measurement SW: DASY52, Version 52.6 (1); SEMCAD X Version 14.4.2 (2595)

**D750V3/Pin=100 mW/Area Scan (8x11x1):** Measurement grid: dx=15mm, dy=15mm  
Maximum value of SAR (measured) = 0.945 mW/g

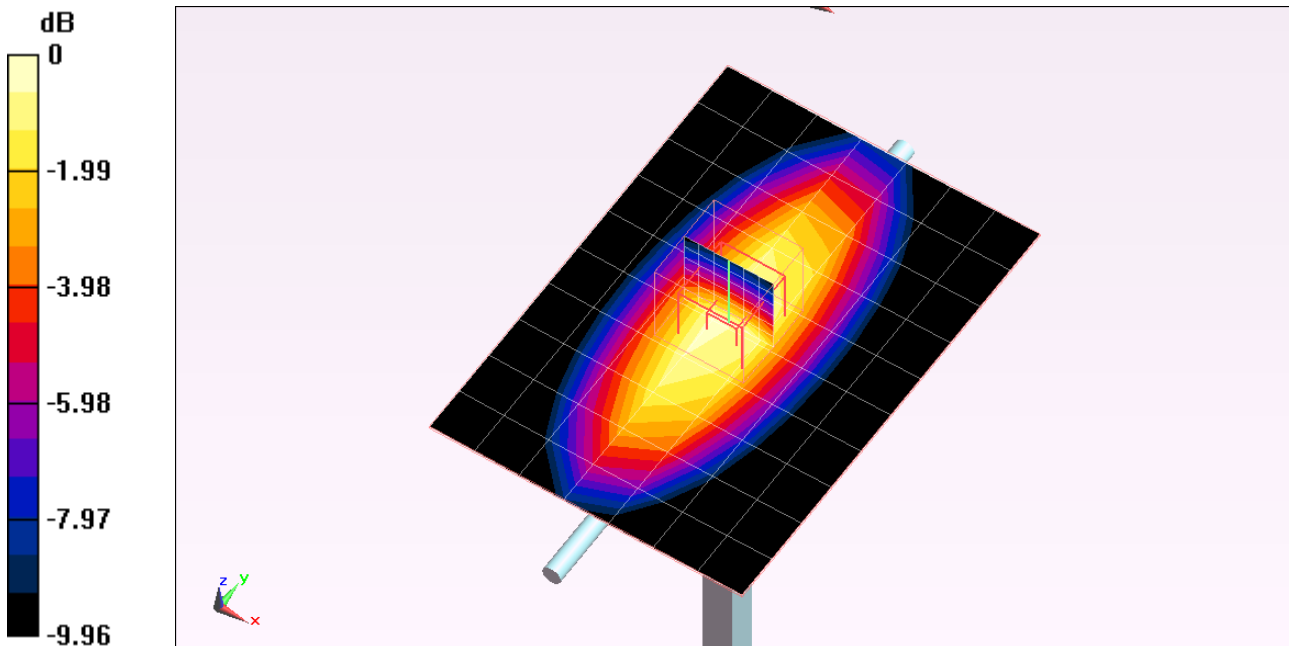
**D750V3/Pin=100 mW/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 32.899 V/m; Power Drift = -0.009 dB

Peak SAR (extrapolated) = 1.247 W/kg

**SAR(1 g) = 0.838 mW/g; SAR(10 g) = 0.556 mW/g**

Maximum value of SAR (measured) = 1.016 mW/g



0 dB = 1.020mW/g

Test Laboratory: UL CCS

### System Check for D750V3

DUT: D750V3; Type: D750V3; Serial: 1019

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

**D750V3/Pin=100 mW/Z Scan (1x1x21):** Measurement grid: dx=20mm, dy=20mm, dz=5mm  
Maximum value of SAR (measured) = 1.013 mW/g

