Date: 21/06/2011

Test Laboratory: UL CCS SAR Lab B

## SystemPerformanceCheck-2450-D706

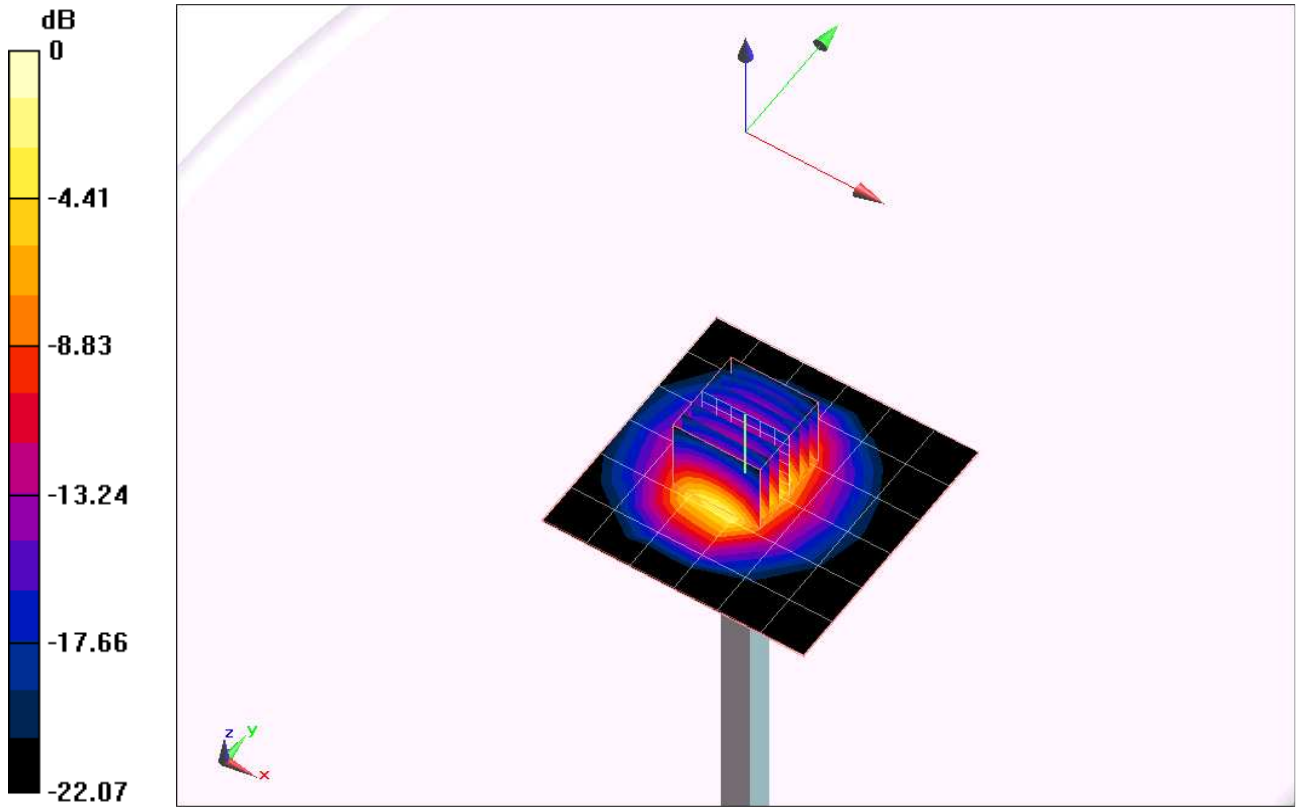
Communication System: CW; Frequency: 2450 MHz;Duty Cycle: 1:1
Medium parameters used: f = 2450 MHz; $\sigma$ = 2.064 mho/m; $\varepsilon_r$ = 50.742; $\rho$ = 1000 kg/m$^3$
Phantom section: Flat Section

Room Ambient Temperature: 25.0 deg. C; Liquid Temperature: 24.0 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(6.87, 6.87, 6.87); Calibrated: 03/05/2011
- Sensor-Surface: 3mm (Mechanical Surface Detection), Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1258; Calibrated: 02/05/2011
- Phantom: ELI v5.0 (B); Type: QDOVA001BB; Serial: 1118
- Measurement SW: DASY52, Version 52.6 (2);SEMCA55.D X Version 14.4.5 (3634)

**Pin=100 mW(ET-Probe)/Area Scan (7x7x1):** Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 5.376 mW/g

**Pin=100 mW (ET-Probe)/Zoom Scan (7x7x7) (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 55.552 V/m; Power Drift = -0.01 dB
Peak SAR (extrapolated) = 11.655 W/kg
**SAR(1 g) = 5.59 mW/g; SAR(10 g) = 2.56 mW/g**
Maximum value of SAR (measured) = 6.410 mW/g




0 dB = 6.410mW/g

Date/Time: 21/06/2011

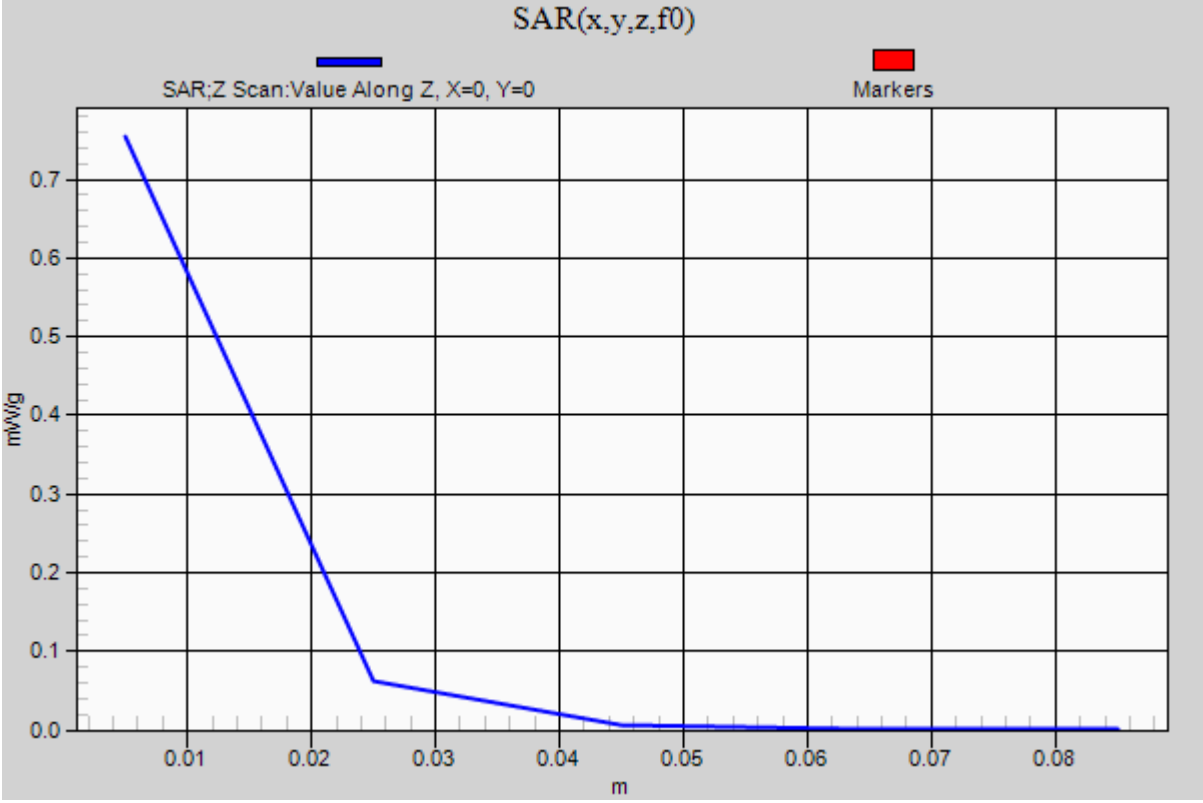
Test Laboratory: UL CCS SAR Lab B

## SystemPerformanceCheck-2450-D706

DUT: Dipole 2450 MHz D2450V2; Type: D2450V2; Serial: D2450V2 - SN706

Communication System: CW; Frequency: 2450 MHz;Duty Cycle: 1:1

**System Performance Check, Pin=100 mW,/Z Scan (1x1x6):** Measurement grid: dx=20mm, dy=20mm, dz=20mm
Maximum value of SAR (measured) = 0.754 mW/g



Date: 23/06/2011

Test Laboratory: UL CCS SAR Lab B

## SystemPerformanceCheck-2450-D706

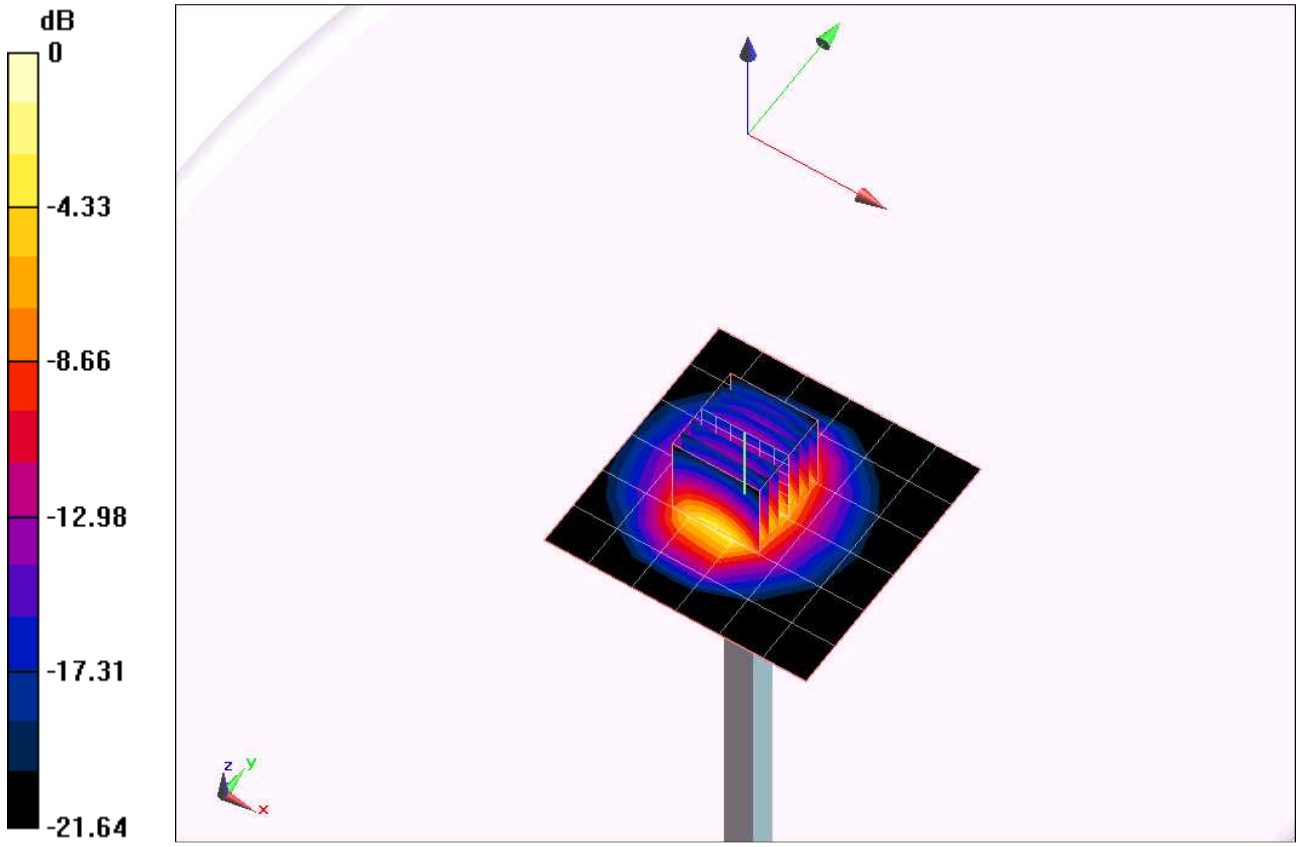
Communication System: CW; Frequency: 2450 MHz; Duty Cycle: 1:1
Medium parameters used: f = 2450 MHz; $\sigma$ = 1.944 mho/m; $\varepsilon_r$ = 51.161; $\rho$ = 1000 kg/m$^3$
Phantom section: Flat Section

Room Ambient Temperature: 25.0 deg. C; Liquid Temperature: 24.0 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(6.87, 6.87, 6.87); Calibrated: 03/05/2011
- Sensor-Surface: 3mm (Mechanical Surface Detection), Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1258; Calibrated: 02/05/2011
- Phantom: ELI v5.0 (B); Type: QDOVA001BB; Serial: 1118
- Measurement SW: DASY52, Version 52.6 (2);SEMCAD X Version 14.4.5 (3634)

**Pin=100 mW(ET-Probe)/Area Scan (7x7x1):** Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 4.769 mW/g

**Pin=100 mW (ET-Probe)/Zoom Scan (7x7x7) (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 54.606 V/m; Power Drift = 0.008 Db
Peak SAR (extrapolated) = 10.659 W/kg
**SAR(1 g) = 5.15 mW/g; SAR(10 g) = 2.37 mW/g**
Maximum value of SAR (measured) = 5.938 mW/g




0 dB = 5.940mW/g

Date/Time: 23/06/2011

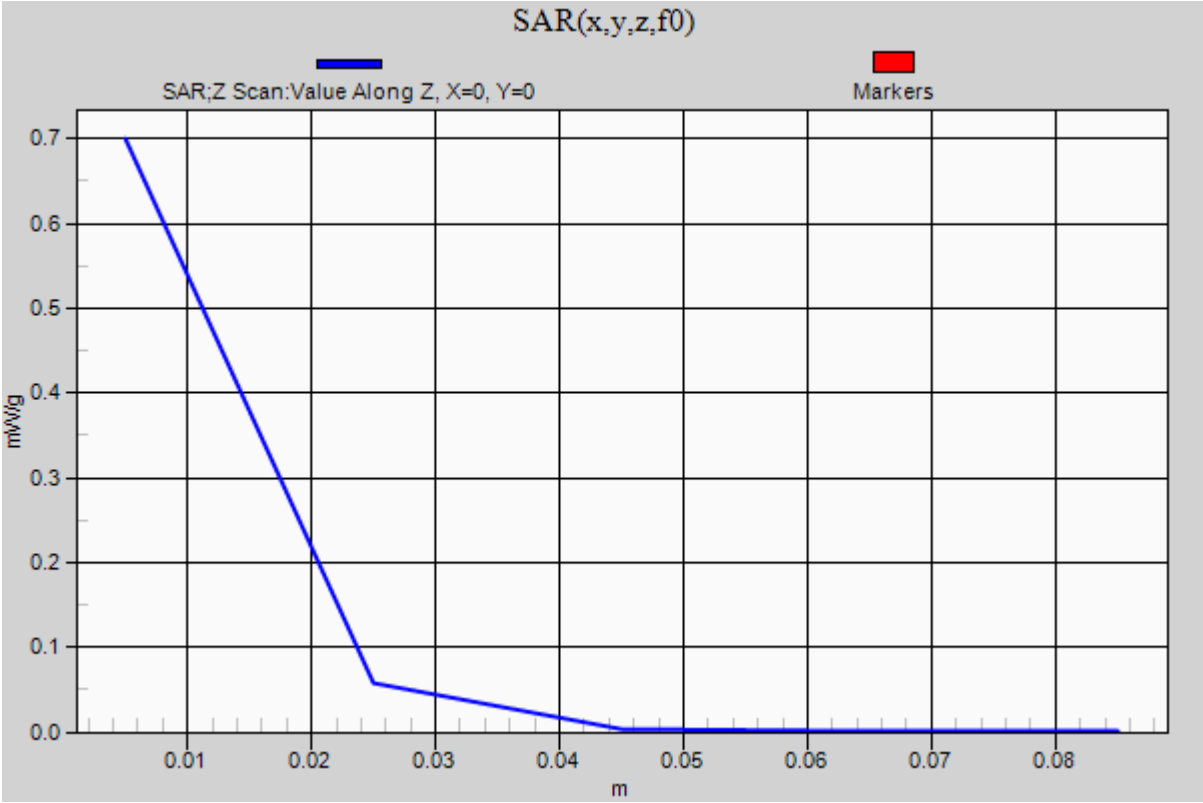
Test Laboratory: UL CCS SAR Lab B

## SystemPerformanceCheck-2450-D706

DUT: Dipole 2450 MHz D2450V2; Type: D2450V2; Serial: D2450V2 - SN706

Communication System: CW; Frequency: 2450 MHz;Duty Cycle: 1:1

**System Performance Check, Pin=100 mW,/Z Scan (1x1x6):** Measurement grid: dx=20mm, dy=20mm, dz=20mm
Maximum value of SAR (measured) = 0.700 mW/g



Date: 23/06/2011

Test Laboratory: UL CCS SAR Lab B

## SystemPerformanceCheck-D5GHzV2 SN 1075

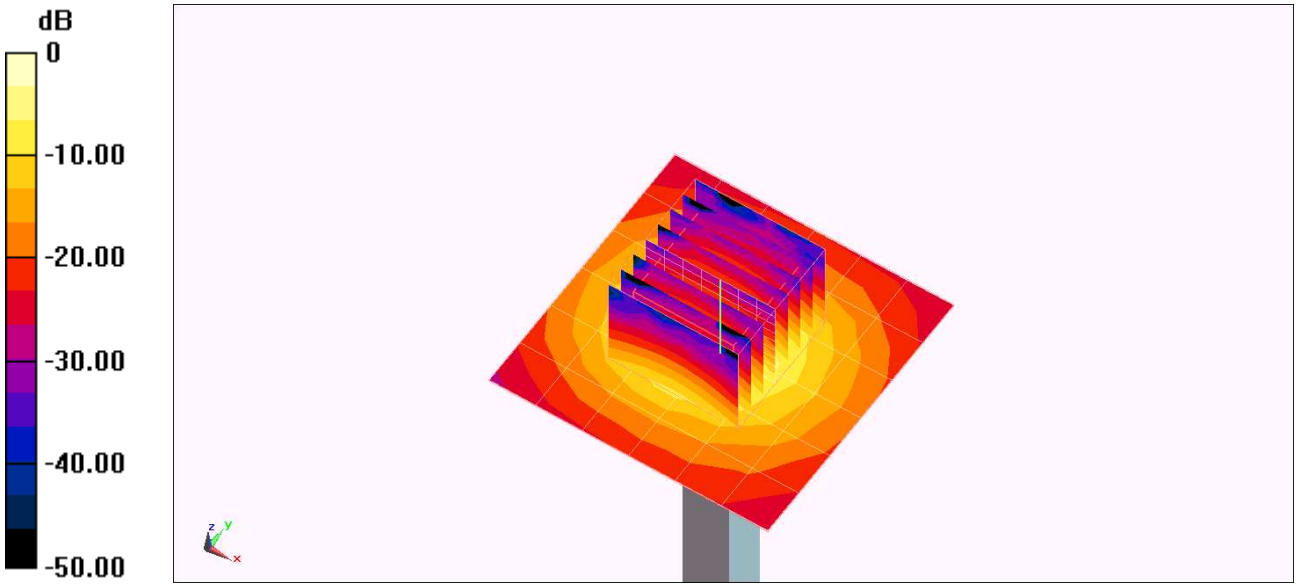
Communication System: CW; Frequency: 5200 MHz; Duty Cycle: 1:1
Medium parameters used: f = 5200 MHz; $\sigma$ = 5.267 mho/m; $\varepsilon_r$ = 51.18; $\rho$ = 1000 kg/m$^3$
Phantom section: Flat Section

Room Ambient Temperature: 25.0 deg. C; Liquid Temperature: 24.0 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(4.1, 4.1, 4.1); Calibrated: 03/05/2011
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1258; Calibrated: 02/05/2011
- Phantom: ELI v5.0 (A); Type: QDOVA002BB; Serial: 1120
- Measurement SW: DASY52, Version 52.6 (2);SEMCAD X Version 14.4.5 (3634)

**Body/5.2 GHz, Pin=100mW/Area Scan (7x7x1):** Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (measured) = 13.297 mW/g

**Body/5.2 GHz, Pin=100mW/Zoom Scan (8x8x10)/Cube 0:** Measurement grid: dx=4mm, dy=4mm, dz=2.5mm
Reference Value = 54.201 V/m; Power Drift = -0.0082 dB
Peak SAR (extrapolated) = 24.686 W/kg
**SAR(1 g) = 7.3 mW/g; SAR(10 g) = 2.08 mW/g**
Maximum value of SAR (measured) = 12.235 mW/g




0 dB = 12.230mW/g

Date/Time: 23/06/2011

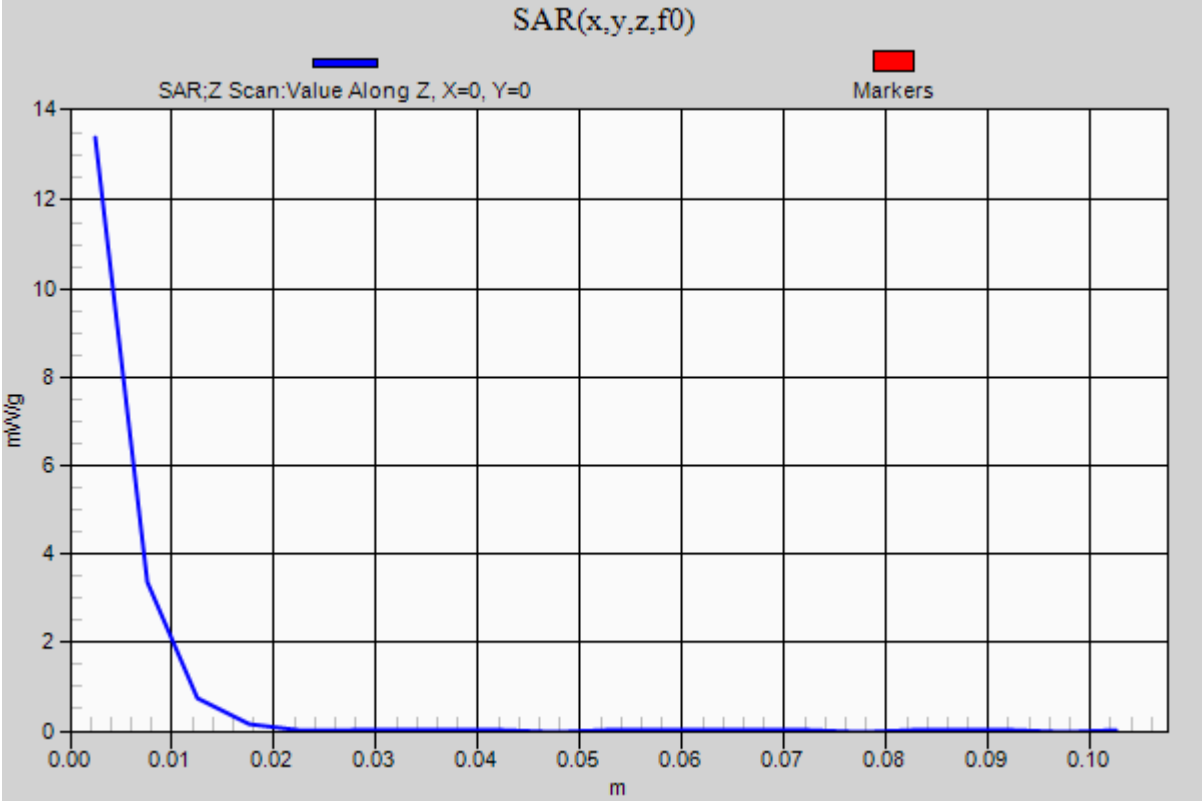
Test Laboratory: UL CCS SAR Lab B

## SystemPerformanceCheck-D5GHzV2 SN 1075

DUT: Dipole D5GHz; Type: D5GHzV2; Serial: 1075

Communication System: CW; Frequency: 5200 MHz;Duty Cycle: 1:1

**Body/5.2 GHz, Pin=100mW/Z Scan (1x1x21):** Measurement grid: dx=20mm, dy=20mm, dz=5mm
Maximum value of SAR (measured) = 13.410 mW/g



Date: 23/06/2011

Test Laboratory: UL CCS SAR Lab B

## SystemPerformanceCheck-D5GHzV2 SN 1075

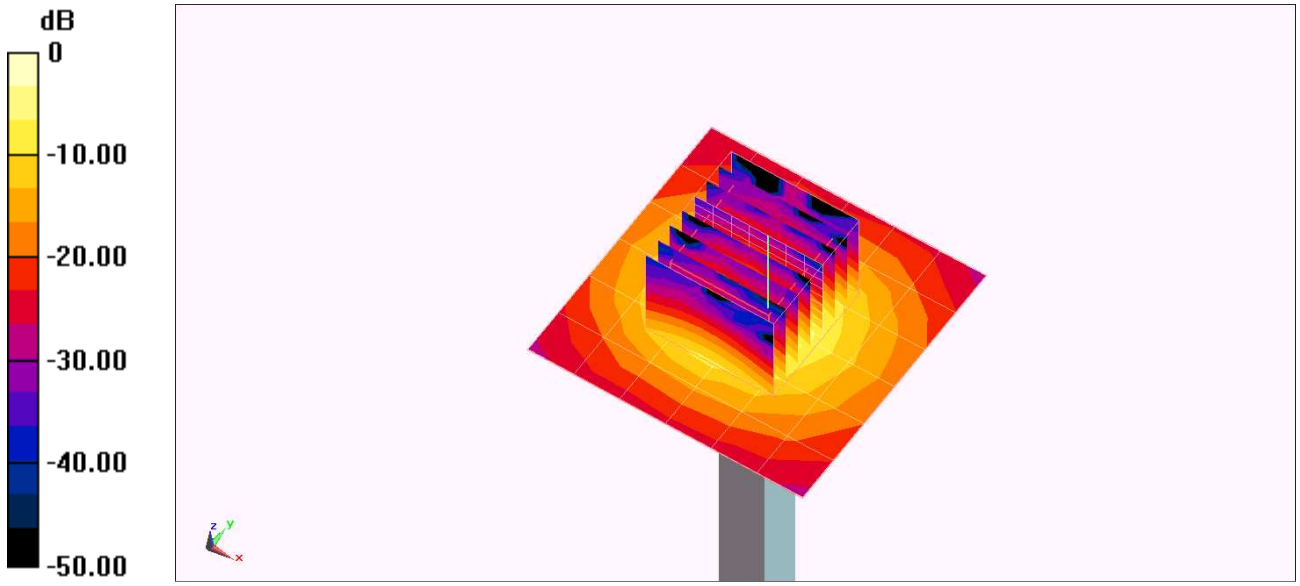
Communication System: CW; Frequency: 5500 MHz;Duty Cycle: 1:1
Medium parameters used: f = 5500 MHz; $\sigma$ = 5.708 mho/m; $\varepsilon_r$ = 50.544; $\rho$ = 1000 kg/m$^3$
Phantom section: Flat Section

Room Ambient Temperature: 25.0 deg. C; Liquid Temperature: 24.0 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(3.49, 3.49, 3.49); Calibrated: 03/05/2011
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1258; Calibrated: 02/05/2011
- Phantom: ELI v5.0 (A); Type: QDOVA002BB; Serial: 1120
- Measurement SW: DASY52, Version 52.6 (2);SEMCAD X Version 14.4.5 (3634)

**Body/5.5 GHz, Pin=100mW/Area Scan (7x7x1):** Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (measured) = 15.304 mW/g

**Body/5.5 GHz, Pin=100mW/Zoom Scan (8x8x10)/Cube 0:** Measurement grid: dx=4mm, dy=4mm, dz=2.5mm
Reference Value = 55.869 V/m; Power Drift = 0.0019 dB
Peak SAR (extrapolated) = 29.089 W/kg
**SAR(1 g) = 8.29 mW/g; SAR(10 g) = 2.34 mW/g**
Maximum value of SAR (measured) = 14.065 mW/g




0 dB = 14.060mW/g

Date/Time: 24/06/2011

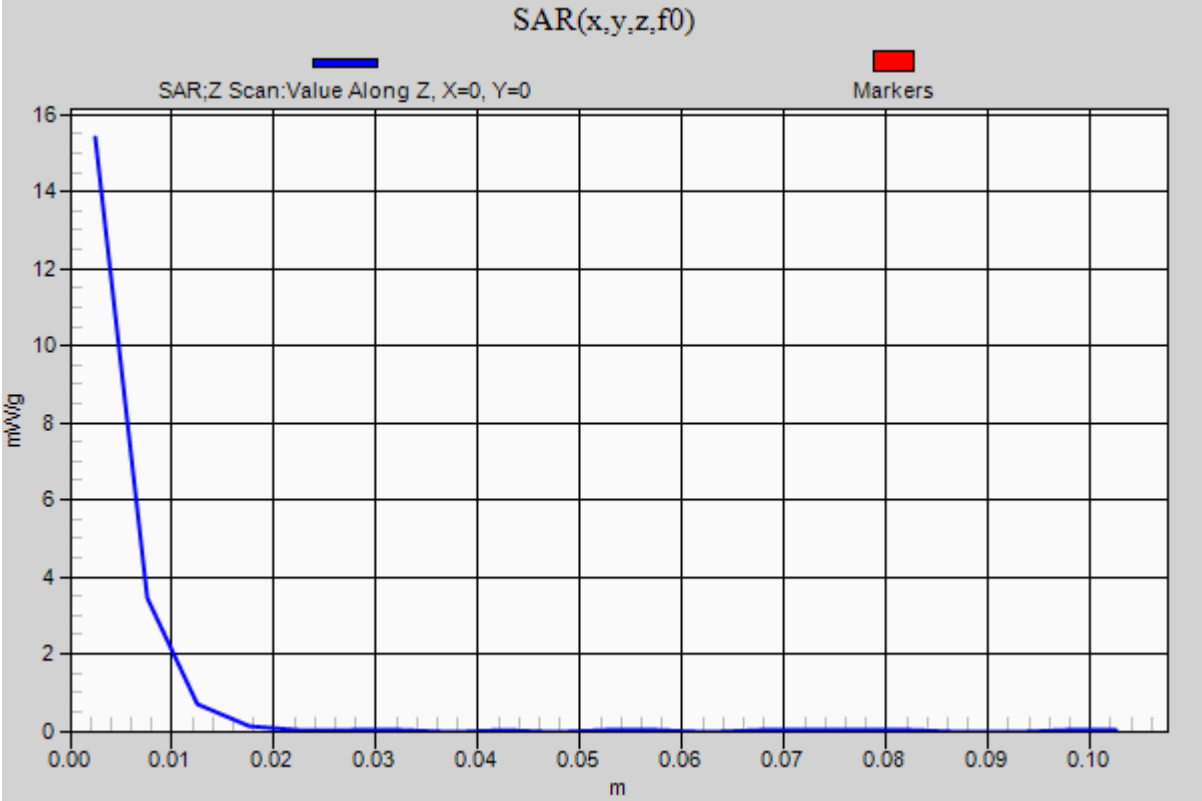
Test Laboratory: UL CCS SAR Lab B

## SystemPerformanceCheck-D5GHzV2 SN 1075

DUT: Dipole D5GHz; Type: D5GHzV2; Serial: 1075

Communication System: CW; Frequency: 5500 MHz;Duty Cycle: 1:1

**Body/5.5 GHz, Pin=100mW/Z Scan (1x1x21):** Measurement grid: dx=20mm, dy=20mm, dz=5mm
Maximum value of SAR (measured) = 15.397 mW/g



Date: 24/06/2011

Test Laboratory: UL CCS SAR Lab B

## SystemPerformanceCheck-D5GHzV2 SN 1075

Communication System: CW; Frequency: 5200 MHz;Duty Cycle: 1:1
Medium parameters used: f = 5200 MHz; $\sigma$ = 5.311 mho/m; $\varepsilon_r$ = 47.433; $\rho$ = 1000 kg/m$^3$
Phantom section: Flat Section

Room Ambient Temperature: 25.0 deg. C; Liquid Temperature: 24.0 deg. C

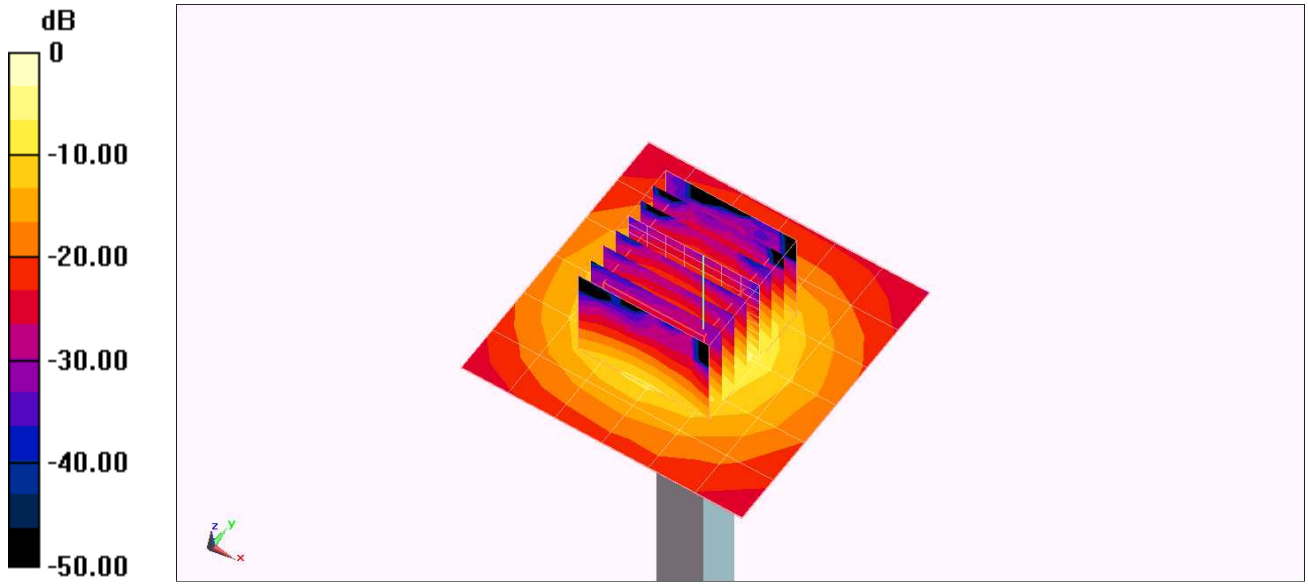
DASY5 Configuration:
- Area Scan setting - Find Secondary Maximum Within: 2.0 dB and  with a peak SAR value greater than 0.0012W/kg
- Probe: EX3DV4 - SN3772; ConvF(4.05, 4.05, 4.05); Calibrated: 03/05/2011
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1258; Calibrated: 02/05/2011
- Phantom: ELI v5.0 (A); Type: QDOVA001BB; Serial: 1120
- Measurement SW: DASY52, Version 52.6 (2);SEMCAD X Version 14.4.5 (3634)

### Body/5.2 GHz, Pin=100mW/Area Scan (7x7x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (measured) = 13.132 mW/g

### Body/5.2 GHz, Pin=100mW/Zoom Scan (8x8x10)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm

Reference Value = 53.505 V/m; Power Drift = 0.05 dB
Peak SAR (extrapolated) = 24.827W/kg
**SAR(1 g) = 7.31 mW/g; SAR(10 g) = 2.08 mW/g**
Maximum value of SAR (measured) = 12.221 mW/g




0 dB = 12.220mW/g

Date/Time: 24/06/2011

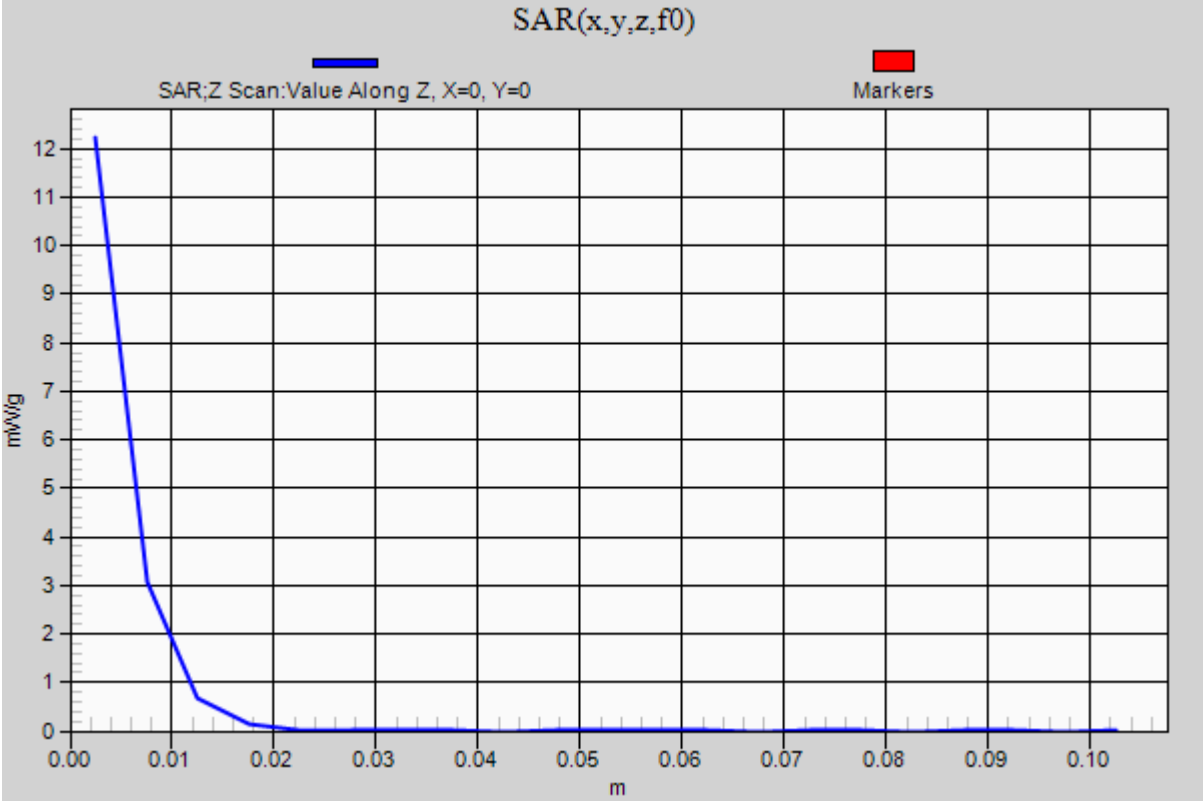
Test Laboratory: UL CCS SAR Lab B

## SystemPerformanceCheck-D5GHzV2 SN 1075

DUT: Dipole D5GHz; Type: D5GHzV2; Serial: 1075

Communication System: CW; Frequency: 5200 MHz;Duty Cycle: 1:1

**Body/5.2 GHz, Pin=100mW/Z Scan (1x1x21):** Measurement grid: dx=20mm, dy=20mm, dz=5mm
Maximum value of SAR (measured) = 12.224 mW/g



Date: 24/06/2011

Test Laboratory: UL CCS SAR Lab B

## SystemPerformanceCheck-D5GHzV2 SN 1075

Communication System: CW; Frequency: 5500 MHz;Duty Cycle: 1:1
Medium parameters used: f = 5500 MHz; $\sigma$ = 5.757 mho/m; $\varepsilon_r$ = 46.577; $\rho$ = 1000 kg/m$^3$
Phantom section: Flat Section

Room Ambient Temperature: 25.0 deg. C; Liquid Temperature: 24.0 deg. C

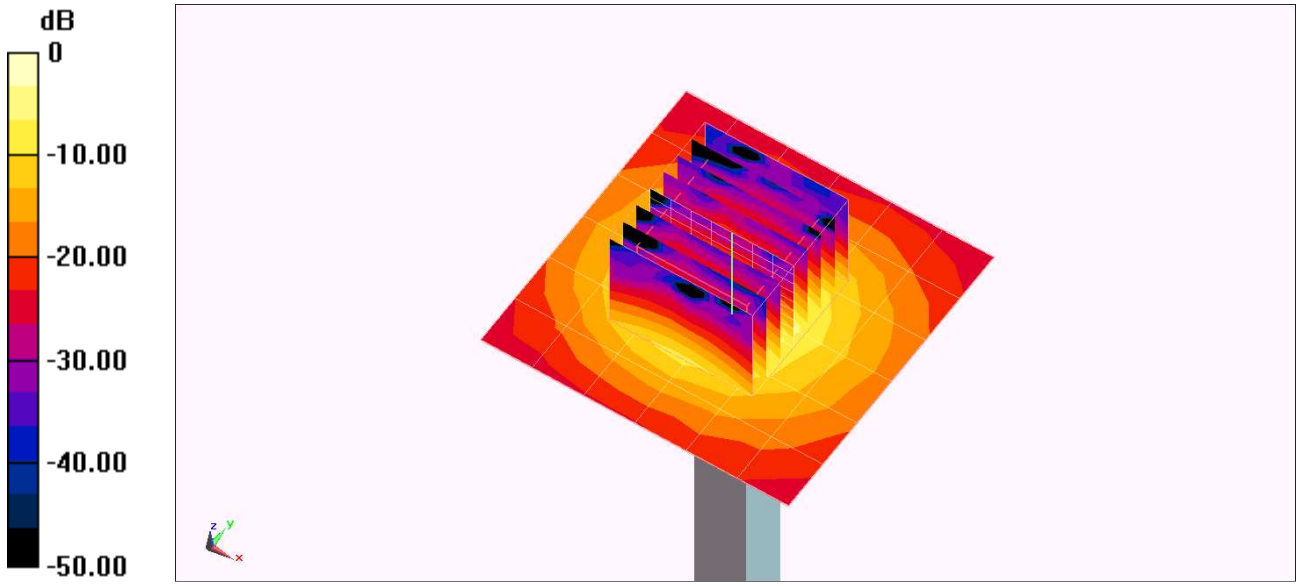
DASY5 Configuration:
- Area Scan setting - Find Secondary Maximum Within: 2.0 dB and  with a peak SAR value greater than 0.0012W/kg
- Probe: EX3DV4 - SN3772; ConvF(3.5, 3.5, 3.5); Calibrated: 03/05/2011
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1258; Calibrated: 02/05/2011
- Phantom: ELI v5.0 (A); Type: QDOVA001BB; Serial: 1120
- Measurement SW: DASY52, Version 52.6 (2);SEMCAD X Version 14.4.5 (3634)

### Body/5.5 GHz, Pin=100mW/Area Scan (7x7x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (measured) = 14.259 mW/g

### Body/5.5 GHz, Pin=100mW/Zoom Scan (8x8x10)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm

Reference Value = 53.696 V/m; Power Drift = 0.12 dB
Peak SAR (extrapolated) = 27.390 W/kg
**SAR(1 g) = 7.8 mW/g; SAR(10 g) = 2.21 mW/g**
Maximum value of SAR (measured) = 13.324 mW/g




0 dB = 13.320mW/g

Date/Time: 24/06/2011

Test Laboratory: UL CCS SAR Lab B

## SystemPerformanceCheck-D5GHzV2 SN 1075

DUT: Dipole D5GHz; Type: D5GHzV2; Serial: 1075

Communication System: CW; Frequency: 5500 MHz;Duty Cycle: 1:1

**Body/5.5 GHz, Pin=100mW/Z Scan (1x1x21):** Measurement grid: dx=20mm, dy=20mm, dz=5mm
Maximum value of SAR (measured) = 13.219 mW/g