

Test Laboratory: Compliance Certification Services

File Name: [EUT Setup Configuration 1.da4](#)

**DUT: Broadcom; Type: BCM94301MPL; Serial: N/A**

**Program: EUT Setup Configuration 1 (Right antenna)**

**Ambient Temperature: 24.5 deg C; Liquid Temperature: 23.0 deg C**

Communication System: DSSS; Frequency: 2412 MHz; Duty Cycle: 1:1.11

Medium: Muscle 2450 MHz ( $\sigma = 1.9828$  mho/m,  $\epsilon_r = 51.3836$ ,  $\rho = 1000$  kg/m<sup>3</sup>)

Phantom section: Flat Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1577; ConvF(4.7, 4.7, 4.7); Calibrated: 2/7/2003
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn427; Calibrated: 2/4/2003
- Phantom: SAM 2; Type: SAM 2; Serial: 1050
- Measurement SW: DASY4, V4.1 Build 47; Postprocessing SW: SEMCAD, V1.6 Build 115

**Low Channel/Area Scan (8x14x1):** Measurement grid: dx=15mm, dy=15mm

Reference Value = 2.75 V/m

Power Drift = 0.12 dB

Maximum value of SAR = 0.816 mW/g

**Low Channel/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm

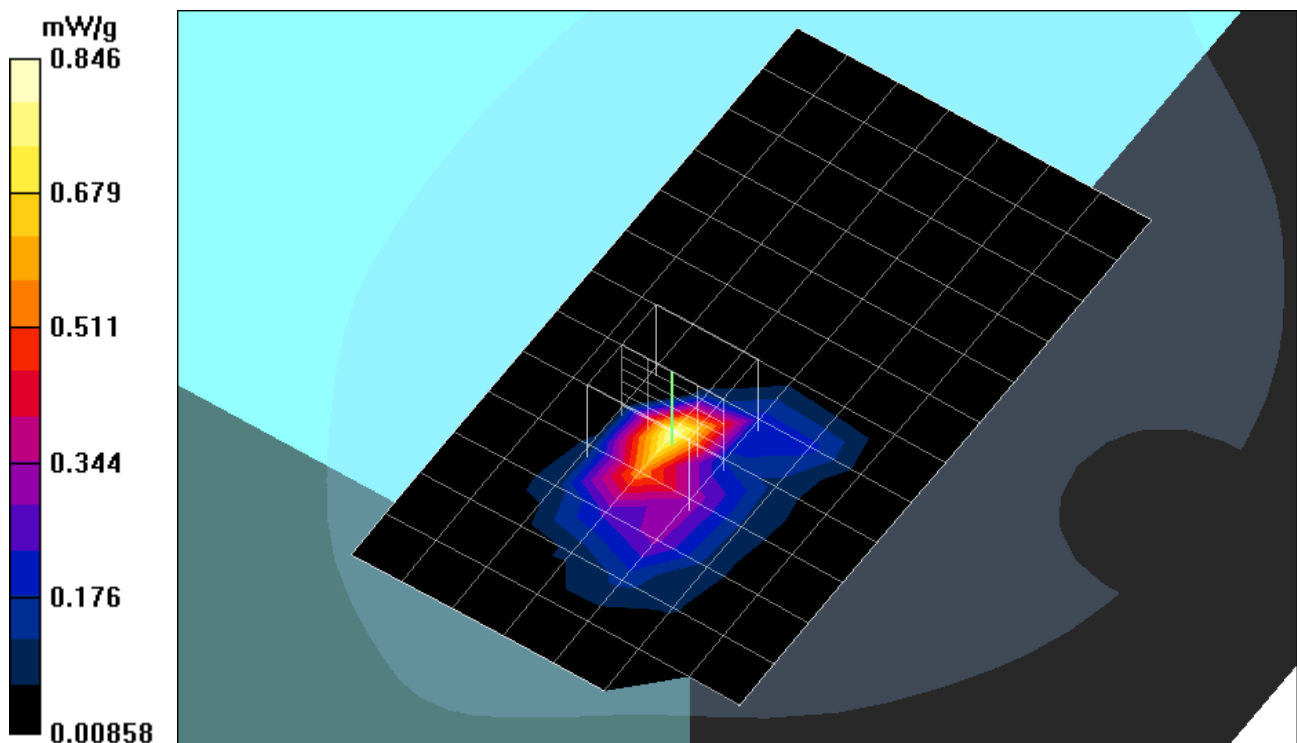
Peak SAR (extrapolated) = 2.14 W/kg

**SAR(1 g) = 0.752 mW/g;** SAR(10 g) = 0.304 mW/g

Reference Value = 2.75 V/m

Power Drift = 0.12 dB

Maximum value of SAR = 0.846 mW/g



Test Laboratory: Compliance Certification Services

File Name: [EUT Setup Configuration 1.da4](#)

**DUT: Broadcom; Type: BCM94301MPL; Serial: N/A**  
**Program: EUT Setup Configuration 1 (Right antenna)**  
**Ambient Temperature: 24.5 deg C; Liquid Temperature: 23.0 deg C**

Communication System: DSSS; Frequency: 2437 MHz; Duty Cycle: 1:1.11  
 Medium: Muscle 2450 MHz ( $\sigma = 1.9828$  mho/m,  $\epsilon_r = 51.3836$ ,  $\rho = 1000$  kg/m<sup>3</sup>)  
 Phantom section: Flat Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1577; ConvF(4.7, 4.7, 4.7); Calibrated: 2/7/2003
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn427; Calibrated: 2/4/2003
- Phantom: SAM 2; Type: SAM 2; Serial: 1050
- Measurement SW: DASY4, V4.1 Build 47; Postprocessing SW: SEMCAD, V1.6 Build 115

**Middle Channel/Area Scan (8x14x1):** Measurement grid: dx=15mm, dy=15mm

Reference Value = 3.42 V/m

Power Drift = 0.04 dB

Maximum value of SAR = 1.47 mW/g

**Middle Channel/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm

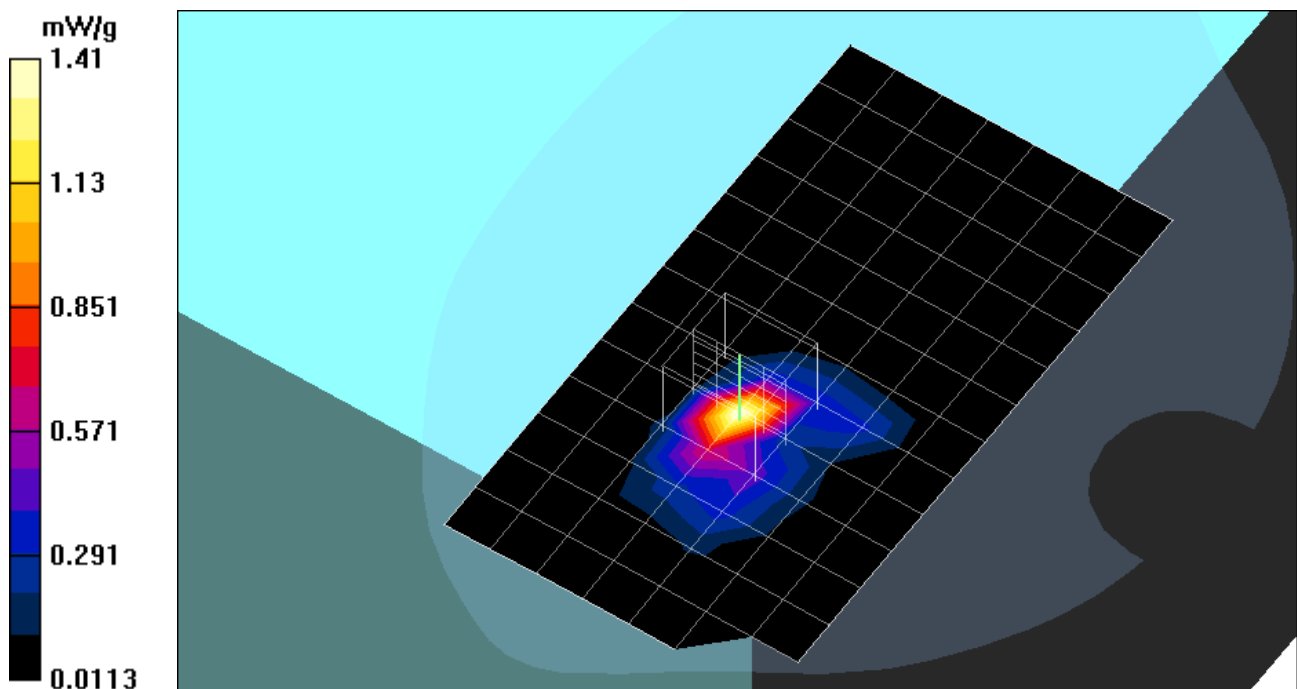
Peak SAR (extrapolated) = 3.8 W/kg

***SAR(1 g) = 1.27 mW/g***; SAR(10 g) = 0.489 mW/g

Reference Value = 3.42 V/m

Power Drift = 0.04 dB

Maximum value of SAR = 1.41 mW/g



Test Laboratory: Compliance Certification Services

File Name: [EUT Setup Configuration 1.da4](#)

**DUT: Broadcom; Type: BCM94301MPL; Serial: N/A**  
**Program: EUT Setup Configuration 1 (Right antenna)**

Communication System: DSSS; Frequency: 2437 MHz; Duty Cycle: 1:1.11

Medium: Muscle 2450 MHz ( $\sigma = 1.9828$  mho/m,  $\epsilon_r = 51.3836$ ,  $\rho = 1000$  kg/m<sup>3</sup>)

Phantom section: Flat Section

DASY4 Configuration:

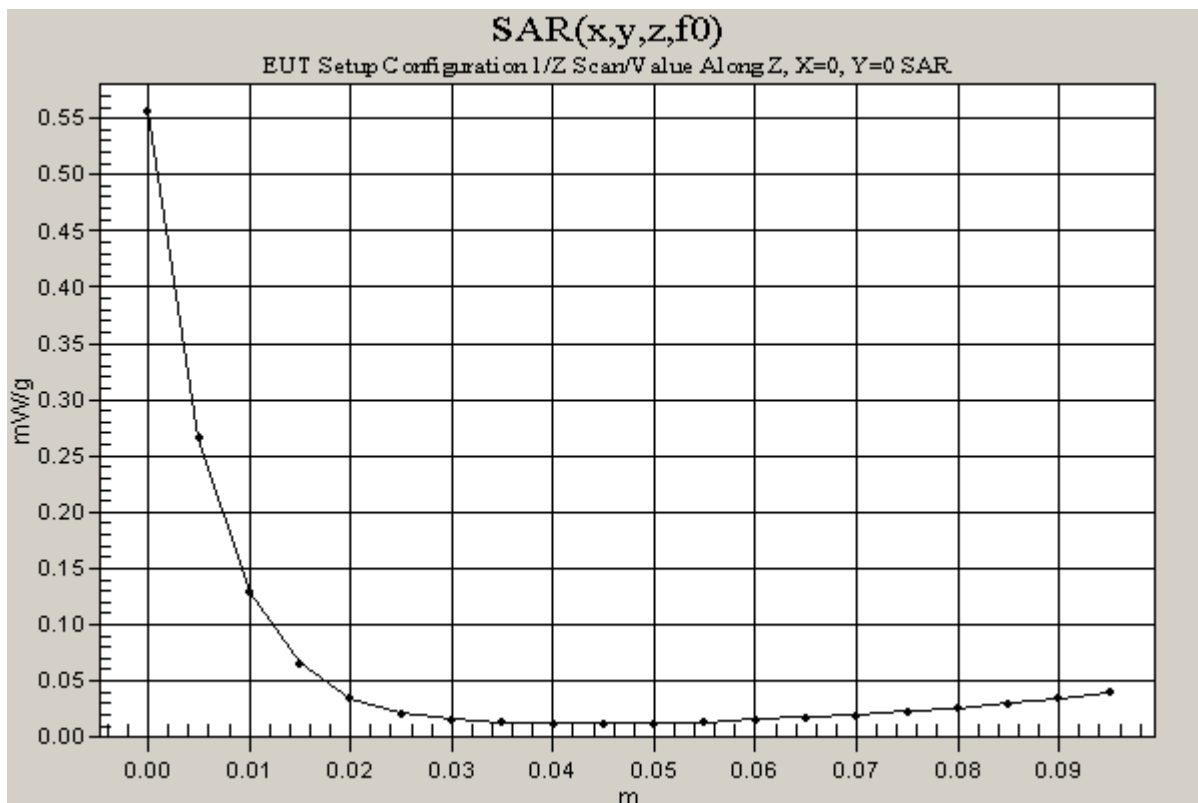
- Probe: ET3DV6 - SN1577; ConvF(4.7, 4.7, 4.7); Calibrated: 2/7/2003
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE3 Sn427; Calibrated: 2/4/2003
- Phantom: SAM 2; Type: SAM 2; Serial: 1050
- Measurement SW: DASY4, V4.1 Build 47; Postprocessing SW: SEMCAD, V1.6 Build 115

**Middle Channel/Z Scan (1x1x20):** Measurement grid: dx=20mm, dy=20mm, dz=5mm

Reference Value = 3.42 V/m

Power Drift = 0.06 dB

Maximum value of SAR = 0.555 mW/g



Test Laboratory: Compliance Certification Services

File Name: [EUT Setup Configuration 1.da4](#)

**DUT: Broadcom; Type: BCM94301MPL; Serial: N/A**  
**Program: EUT Setup Configuration 1 (Right antenna)**  
**Ambient Temperature: 24.5 deg C; Liquid Temperature: 23.0 deg C**

Communication System: DSSS; Frequency: 2462 MHz; Duty Cycle: 1:1.11  
 Medium: Muscle 2450 MHz ( $\sigma = 1.9828$  mho/m,  $\epsilon_r = 51.3836$ ,  $\rho = 1000$  kg/m<sup>3</sup>)  
 Phantom section: Flat Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1577; ConvF(4.7, 4.7, 4.7); Calibrated: 2/7/2003
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn427; Calibrated: 2/4/2003
- Phantom: SAM 2; Type: SAM 2; Serial: 1050
- Measurement SW: DASY4, V4.1 Build 47; Postprocessing SW: SEMCAD, V1.6 Build 115

**High Channel 2/Area Scan (8x14x1):** Measurement grid: dx=15mm, dy=15mm

Reference Value = 3.16 V/m

Power Drift = -0.13 dB

Maximum value of SAR = 0.898 mW/g

**High Channel 2/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm

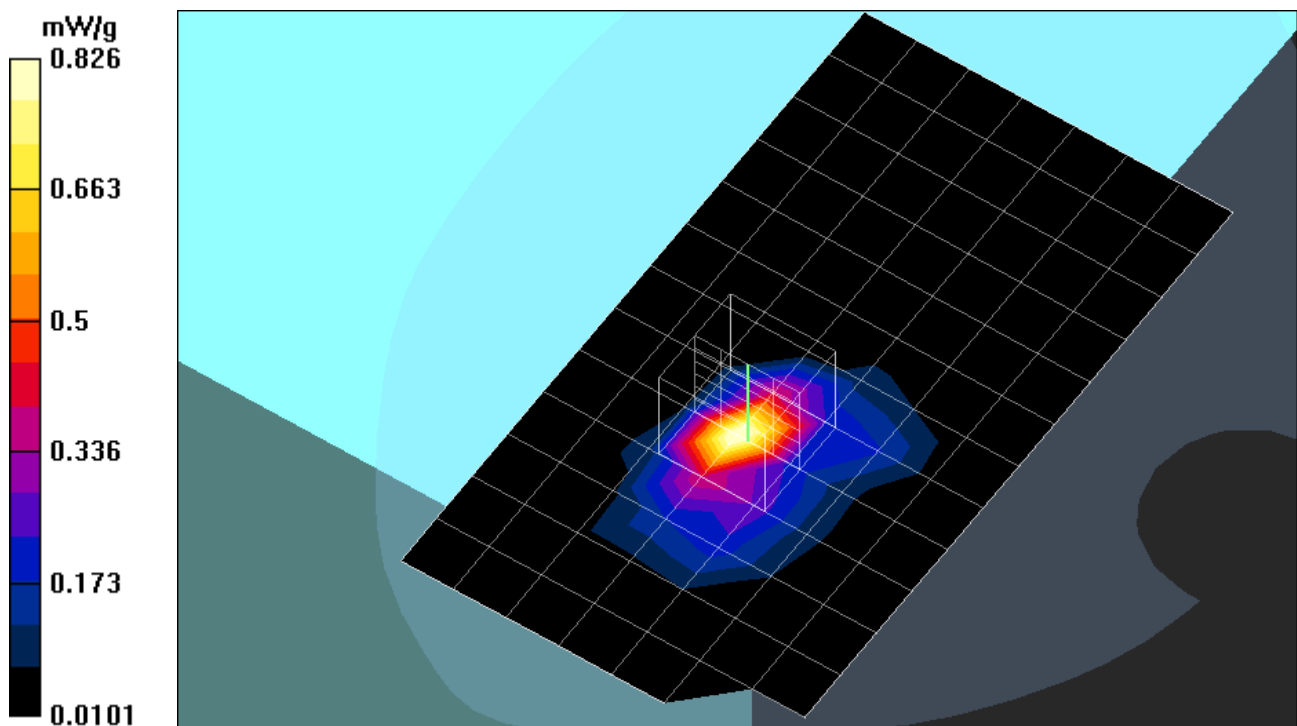
Peak SAR (extrapolated) = 2.52 W/kg

***SAR(1 g) = 0.829 mW/g***; SAR(10 g) = 0.319 mW/g

Reference Value = 3.16 V/m

Power Drift = -0.13 dB

Maximum value of SAR = 0.826 mW/g



Test Laboratory: Compliance Certification Services

File Name: [EUT Setup Configuration 2.da4](#)

**DUT: Broadcom; Type: BCM94301MPL; Serial: N/A**

**Program: EUT Setup Configuration 2 (Left antenna)**

**Ambient Temperature: 24.5 deg C; Liquid Temperature: 23.0 deg C**

Communication System: DSSS; Frequency: 2412 MHz; Duty Cycle: 1:1.11

Medium: Muscle 2450 MHz ( $\sigma = 1.9828$  mho/m,  $\epsilon_r = 51.3836$ ,  $\rho = 1000$  kg/m<sup>3</sup>)

Phantom section: Flat Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1577; ConvF(4.7, 4.7, 4.7); Calibrated: 2/7/2003
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn427; Calibrated: 2/4/2003
- Phantom: SAM 2; Type: SAM 2; Serial: 1050
- Measurement SW: DASY4, V4.1 Build 47; Postprocessing SW: SEMCAD, V1.6 Build 115

**Low Channel/Area Scan (8x13x1):** Measurement grid: dx=15mm, dy=15mm

Reference Value = 2.37 V/m

Power Drift = -0.13 dB

Maximum value of SAR = 0.843 mW/g

**Low Channel/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm

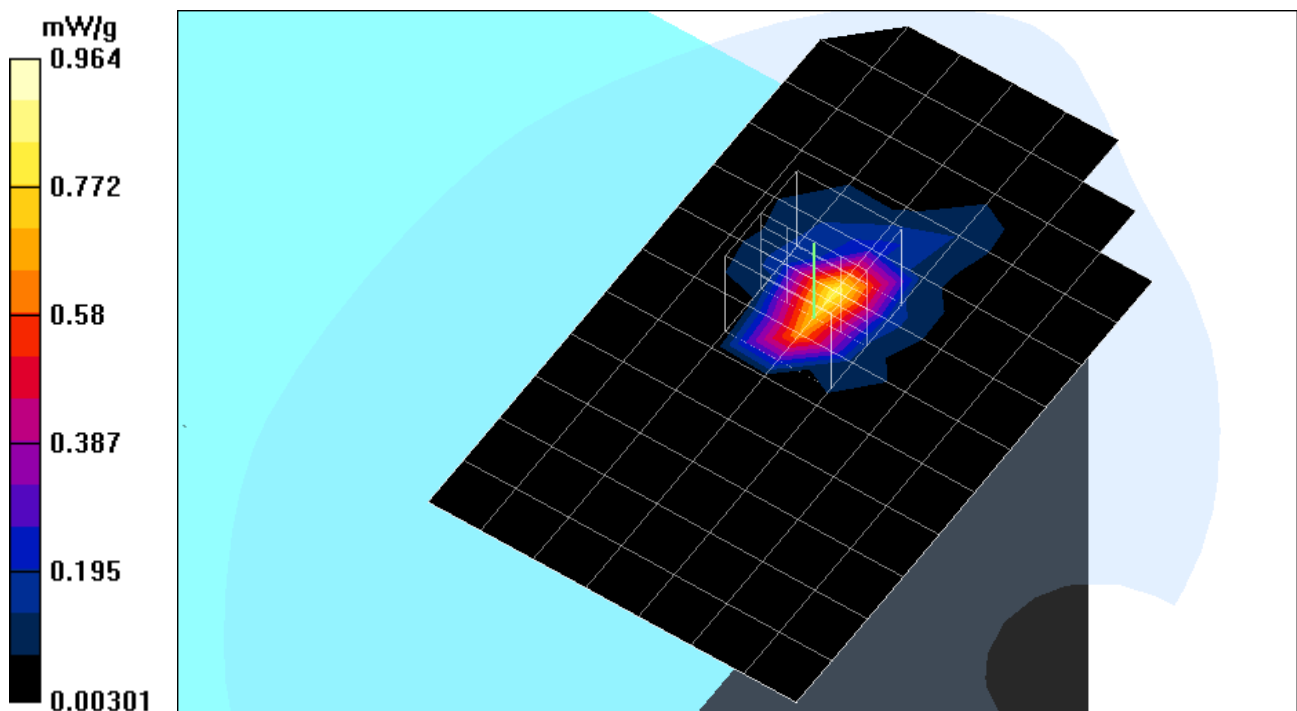
Peak SAR (extrapolated) = 2.61 W/kg

SAR(1 g) = 0.881 mW/g; SAR(10 g) = 0.335 mW/g

Reference Value = 2.37 V/m

Power Drift = -0.13 dB

Maximum value of SAR = 0.964 mW/g



Test Laboratory: Compliance Certification Services

File Name: [EUT Setup Configuration 2.da4](#)

**DUT: Broadcom; Type: BCM94301MPL; Serial: N/A**

**Program: EUT Setup Configuration 2 (Left antenna)**

**Ambient Temperature: 24.5 deg C; Liquid Temperature: 23.0 deg C**

Communication System: DSSS; Frequency: 2437 MHz; Duty Cycle: 1:1.11

Medium: Muscle 2450 MHz ( $\sigma = 1.9828$  mho/m,  $\epsilon_r = 51.3836$ ,  $\rho = 1000$  kg/m<sup>3</sup>)

Phantom section: Flat Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1577; ConvF(4.7, 4.7, 4.7); Calibrated: 2/7/2003
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn427; Calibrated: 2/4/2003
- Phantom: SAM 2; Type: SAM 2; Serial: 1050
- Measurement SW: DASY4, V4.1 Build 47; Postprocessing SW: SEMCAD, V1.6 Build 115

**Middle Channel/Area Scan (8x13x1):** Measurement grid: dx=15mm, dy=15mm

Reference Value = 2.73 V/m

Power Drift = -0.1 dB

Maximum value of SAR = 1.53 mW/g

**Middle Channel/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm

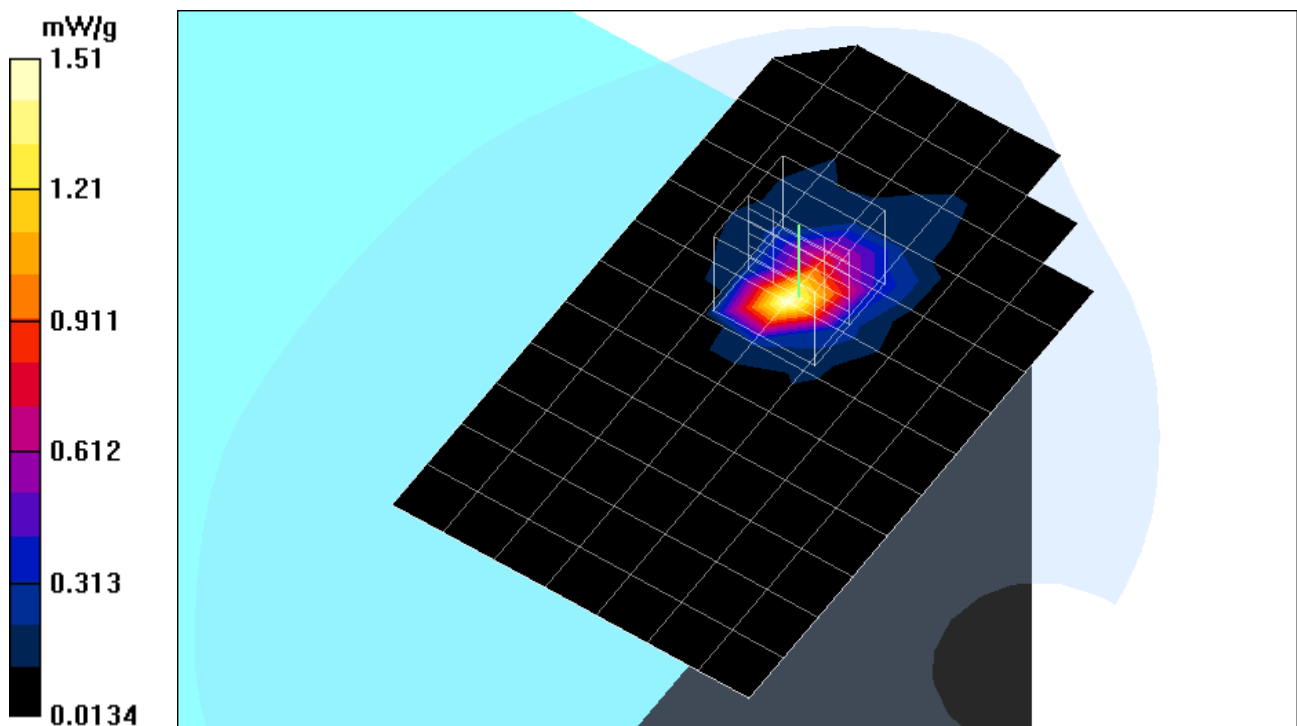
Peak SAR (extrapolated) = 4.13 W/kg

***SAR(1 g) = 1.37 mW/g***; SAR(10 g) = 0.544 mW/g

Reference Value = 2.73 V/m

Power Drift = -0.1 dB

Maximum value of SAR = 1.51 mW/g



Test Laboratory: Compliance Certification Services

File Name: [EUT Setup Configuration 2.da4](#)

**DUT: Broadcom; Type: BCM94301MPL; Serial: N/A**

**Program: EUT Setup Configuration 2 (Left antenna)**

**Ambient Temperature: 24.5 deg C; Liquid Temperature: 23.0 deg C**

Communication System: DSSS; Frequency: 2462 MHz; Duty Cycle: 1:1.11

Medium: Muscle 2450 MHz ( $\sigma = 1.9828$  mho/m,  $\epsilon_r = 51.3836$ ,  $\rho = 1000$  kg/m<sup>3</sup>)

Phantom section: Flat Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1577; ConvF(4.7, 4.7, 4.7); Calibrated: 2/7/2003
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn427; Calibrated: 2/4/2003
- Phantom: SAM 2; Type: SAM 2; Serial: 1050
- Measurement SW: DASY4, V4.1 Build 47; Postprocessing SW: SEMCAD, V1.6 Build 115

**High Channel/Area Scan (8x14x1):** Measurement grid: dx=15mm, dy=15mm

Reference Value = 2.26 V/m

Power Drift = -0.12 dB

Maximum value of SAR = 1.3 mW/g

**High Channel/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm

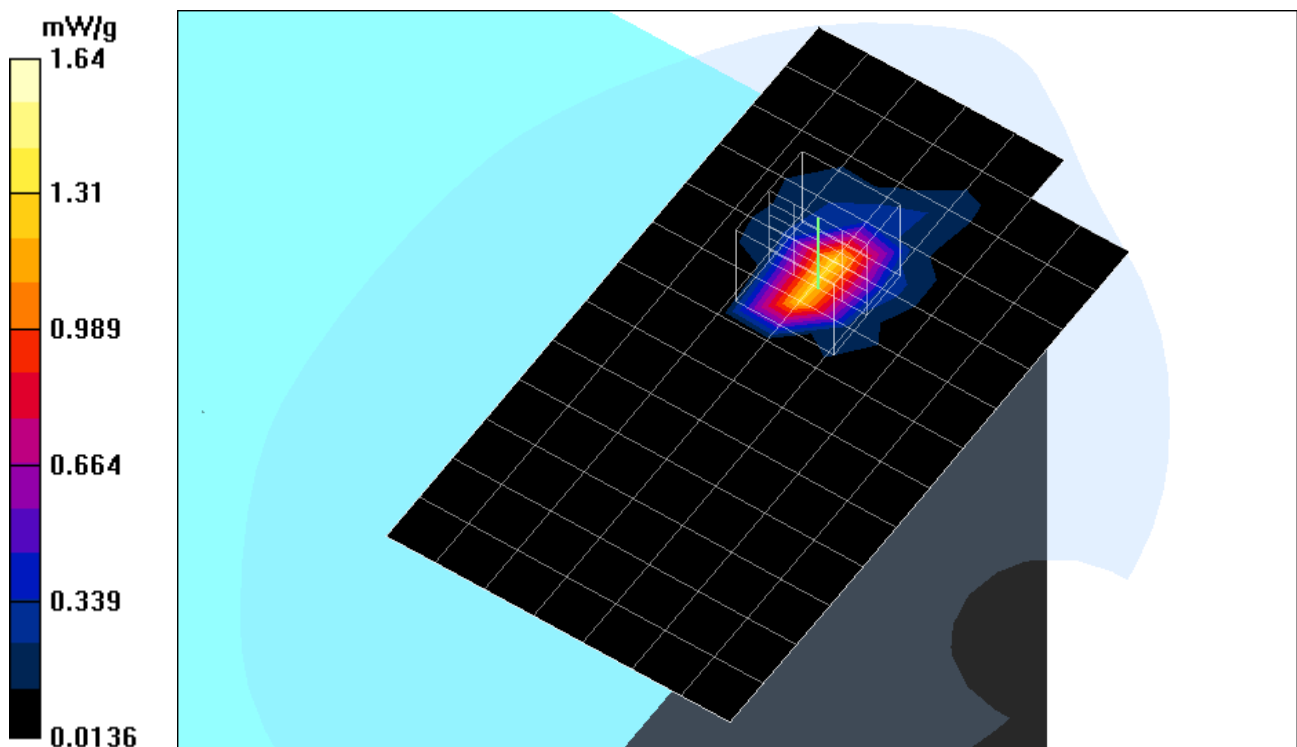
Peak SAR (extrapolated) = 4.77 W/kg

***SAR(1 g) = 1.53 mW/g***; SAR(10 g) = 0.584 mW/g

Reference Value = 2.26 V/m

Power Drift = -0.12 dB

Maximum value of SAR = 1.64 mW/g



Test Laboratory: Compliance Certification Services

File Name: [EUT Setup Configuration 2.da4](#)

**DUT: Broadcom; Type: BCM94301MPL; Serial: N/A**  
**Program: EUT Setup Configuration 2 (Left antenna)**

Communication System: DSSS; Frequency: 2462 MHz; Duty Cycle: 1:1.11

Medium: Muscle 2450 MHz ( $\sigma = 1.9828$  mho/m,  $\epsilon_r = 51.3836$ ,  $\rho = 1000$  kg/m<sup>3</sup>)

Phantom section: Flat Section

DASY4 Configuration:

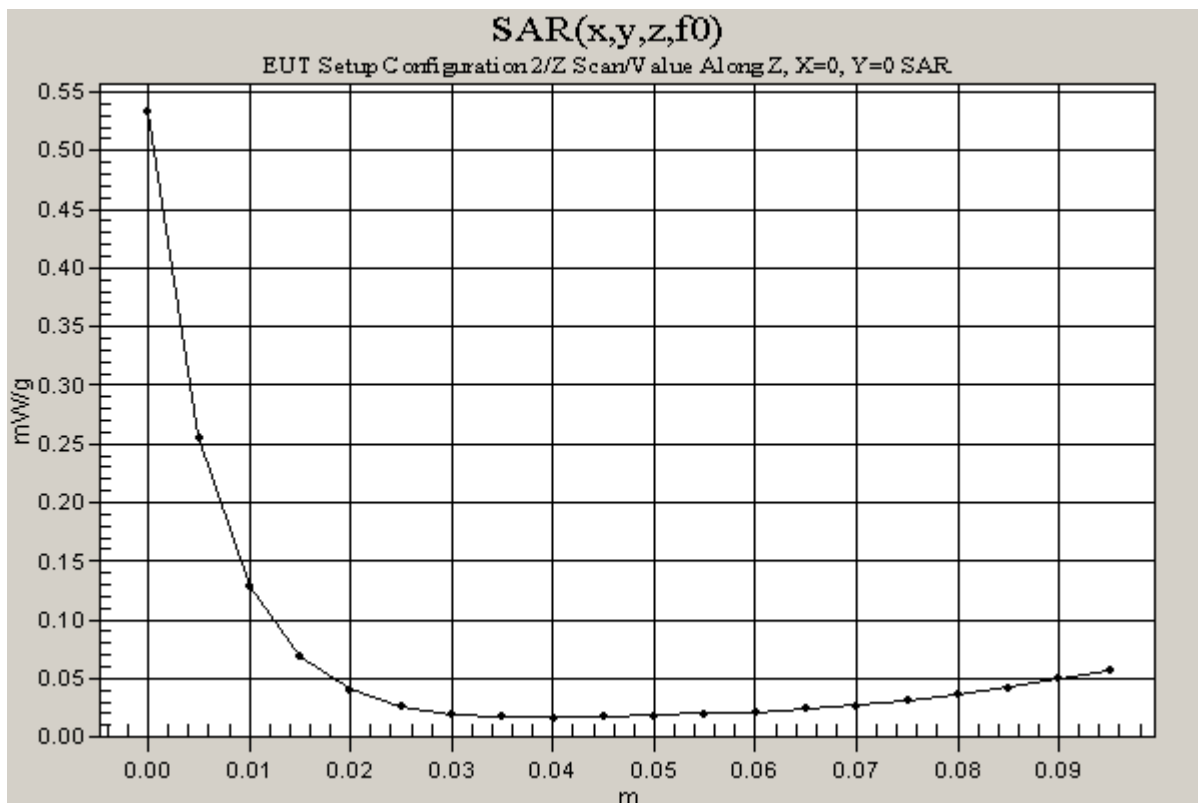
- Probe: ET3DV6 - SN1577; ConvF(4.7, 4.7, 4.7); Calibrated: 2/7/2003
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE3 Sn427; Calibrated: 2/4/2003
- Phantom: SAM 2; Type: SAM 2; Serial: 1050
- Measurement SW: DASY4, V4.1 Build 47; Postprocessing SW: SEMCAD, V1.6 Build 115

**High Channel/Z Scan (1x1x20):** Measurement grid: dx=20mm, dy=20mm, dz=5mm

Reference Value = 2.26 V/m

Power Drift = -0.12 dB

Maximum value of SAR = 0.533 mW/g





Test Laboratory: Compliance Certification Services

File Name: [EUT Setup Configuration 3.da4](#)

**DUT: Broadcom; Type: BCM94301MPL; Serial: N/A**  
**Program: EUT Setup Configuration 3 (Right Antenna)**  
**Ambient Temperature: 24.5 deg C; Liquid Temperature: 23.0 deg C**

Communication System: DSSS; Frequency: 2437 MHz; Duty Cycle: 1:1.11  
 Medium: Muscle 2450 MHz ( $\sigma = 1.9828$  mho/m,  $\epsilon_r = 51.3836$ ,  $\rho = 1000$  kg/m<sup>3</sup>)  
 Phantom section: Flat Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1577; ConvF(4.7, 4.7, 4.7); Calibrated: 2/7/2003
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn427; Calibrated: 2/4/2003
- Phantom: SAM 2; Type: SAM 2; Serial: 1050
- Measurement SW: DASY4, V4.1 Build 47; Postprocessing SW: SEMCAD, V1.6 Build 115

**Middle Channel/Area Scan (9x13x1):** Measurement grid: dx=15mm, dy=15mm

**Middle Channel/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm

Peak SAR (extrapolated) = 0.0671 W/kg

**SAR(1 g) = 0.0154 mW/g;** SAR(10 g) = 0.00866 mW/g

Reference Value = 0.92 V/m

Power Drift = 0.01 dB

Maximum value of SAR = 0.0144 mW/g

**Middle Channel/Zoom Scan (5x5x7)/Cube 1:** Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm

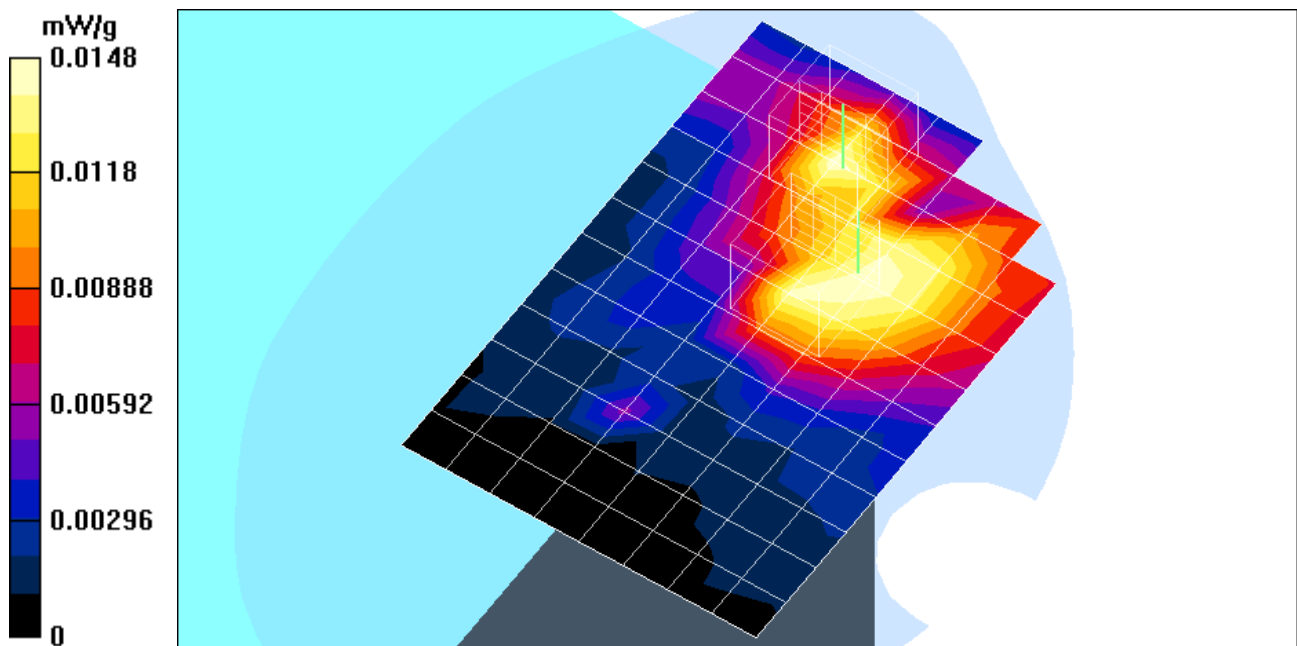
Peak SAR (extrapolated) = 0.0321 W/kg

**SAR(1 g) = 0.0147 mW/g;** SAR(10 g) = 0.00785 mW/g

Reference Value = 0.92 V/m

Power Drift = 0.11 dB

Maximum value of SAR = 0.0151 mW/g



Test Laboratory: Compliance Certification Services

File Name: [EUT Setup Configuration 4.da4](#)

**DUT: Broadcom; Type: BCM94301MPL; Serial: N/A**  
**Program: EUT Setup Configuration 4 (Left Antenna)**  
**Ambient Temperature: 24.5 deg C; Liquid Temperature: 23.0 deg C**

Communication System: DSSS; Frequency: 2462 MHz; Duty Cycle: 1:1.11  
 Medium: Muscle 2450 MHz ( $\sigma = 1.9828$  mho/m,  $\epsilon_r = 51.3836$ ,  $\rho = 1000$  kg/m<sup>3</sup>)  
 Phantom section: Flat Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1577; ConvF(4.7, 4.7, 4.7); Calibrated: 2/7/2003
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn427; Calibrated: 2/4/2003
- Phantom: SAM 2; Type: SAM 2; Serial: 1050
- Measurement SW: DASY4, V4.1 Build 47; Postprocessing SW: SEMCAD, V1.6 Build 115

**High Channel/Area Scan (9x14x1):** Measurement grid: dx=15mm, dy=15mm

**High Channel/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm

Peak SAR (extrapolated) = 0.0826 W/kg

**SAR(1 g) = 0.0299 mW/g;** SAR(10 g) = 0.0158 mW/g

Reference Value = 1.54 V/m

Power Drift = -0.13 dB

Maximum value of SAR = 0.0305 mW/g

**High Channel/Zoom Scan (5x5x7)/Cube 1:** Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm

Peak SAR (extrapolated) = 0.0697 W/kg

**SAR(1 g) = 0.0279 mW/g;** SAR(10 g) = 0.0161 mW/g

Reference Value = 1.54 V/m

Power Drift = -0.13 dB

Maximum value of SAR = 0.0319 mW/g

