

Test Laboratory: Compliance Certification Services

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

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

Program: EUT Setup Configuration 1

Ambient Temperature: 25 deg C; Liquid Temperature: 23 deg C

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

Medium: Muscle 2450 MHz ($\sigma = 2.0158$ mho/m, $\epsilon_r = 51.28$, $\rho = 1000$ kg/m³)

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

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

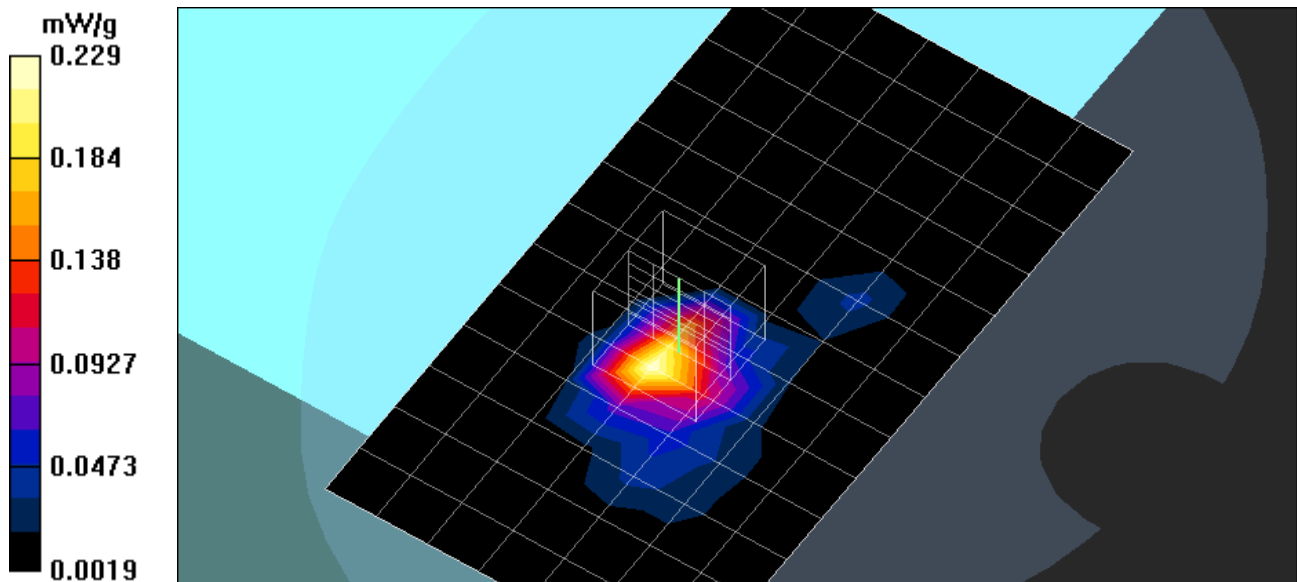
Peak SAR (extrapolated) = 0.7 W/kg

SAR(1 g) = 0.241 mW/g; SAR(10 g) = 0.1 mW/g

Reference Value = 2.12 V/m

Power Drift = -0.1 dB

Maximum value of SAR = 0.229 mW/g



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

DUT: Broadcom; Type: BCM94301MPL; Serial: N/A
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Communication System: DSSS; Frequency: 2412 MHz; Duty Cycle: 1:1.11

Medium: Muscle 2450 MHz ($\sigma = 2.0158$ mho/m, $\epsilon_r = 51.28$, $\rho = 1000$ kg/m³)

Phantom section: Flat Section

DASY4 Configuration:

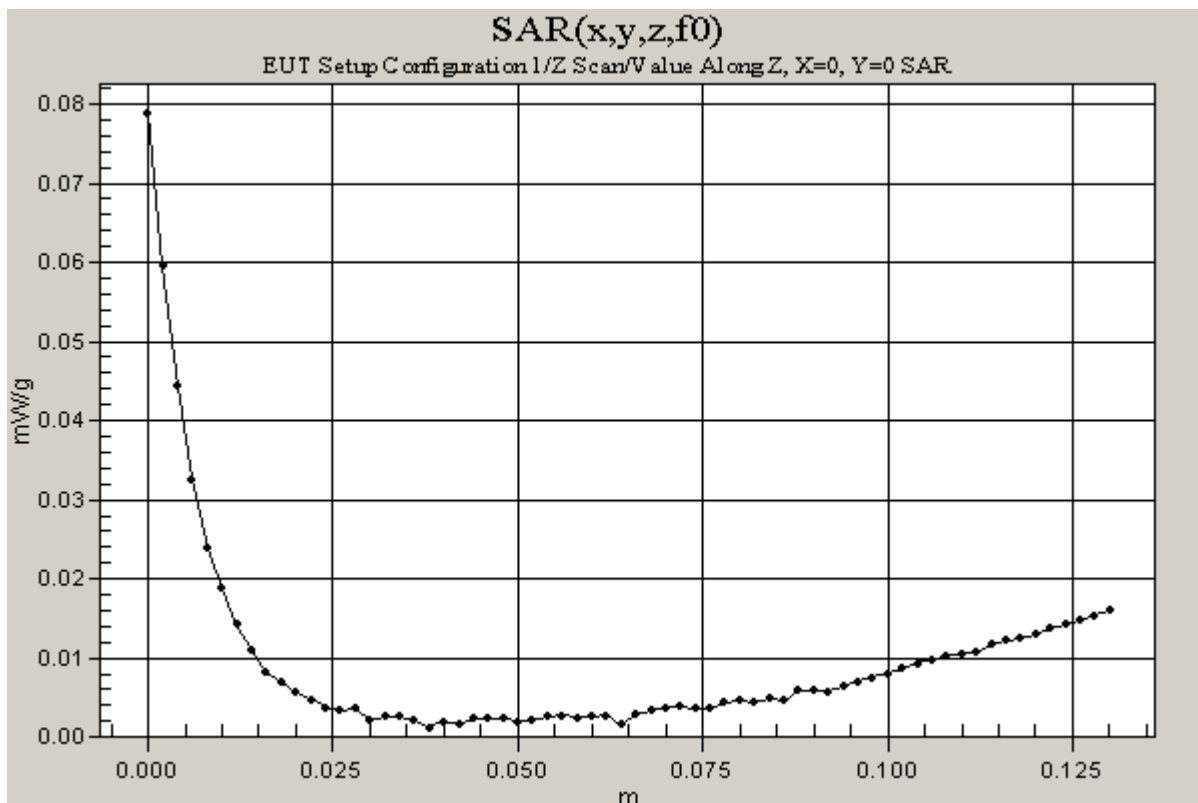
- Probe: ET3DV6 - SN1577; ConvF(4.7, 4.7, 4.7); Calibrated: 2/7/2003
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE3 Sn427; Calibrated: 2/4/2003
- Phantom: SAM 2; Type: SAM 2; Serial: 1050
- Measurement SW: DASY4, V4.1 Build 47; Postprocessing SW: SEMCAD, V1.6 Build 115

Low Channel/Z Scan (1x1x66): Measurement grid: dx=20mm, dy=20mm, dz=2mm

Reference Value = 2.12 V/m

Power Drift = 0.12 dB

Maximum value of SAR = 0.0789 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

Ambient Temperature: 25 deg C; Liquid Temperature: 23 deg C

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

Medium: Muscle 2450 MHz ($\sigma = 2.0158$ mho/m, $\epsilon_r = 51.28$, $\rho = 1000$ kg/m³)

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

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

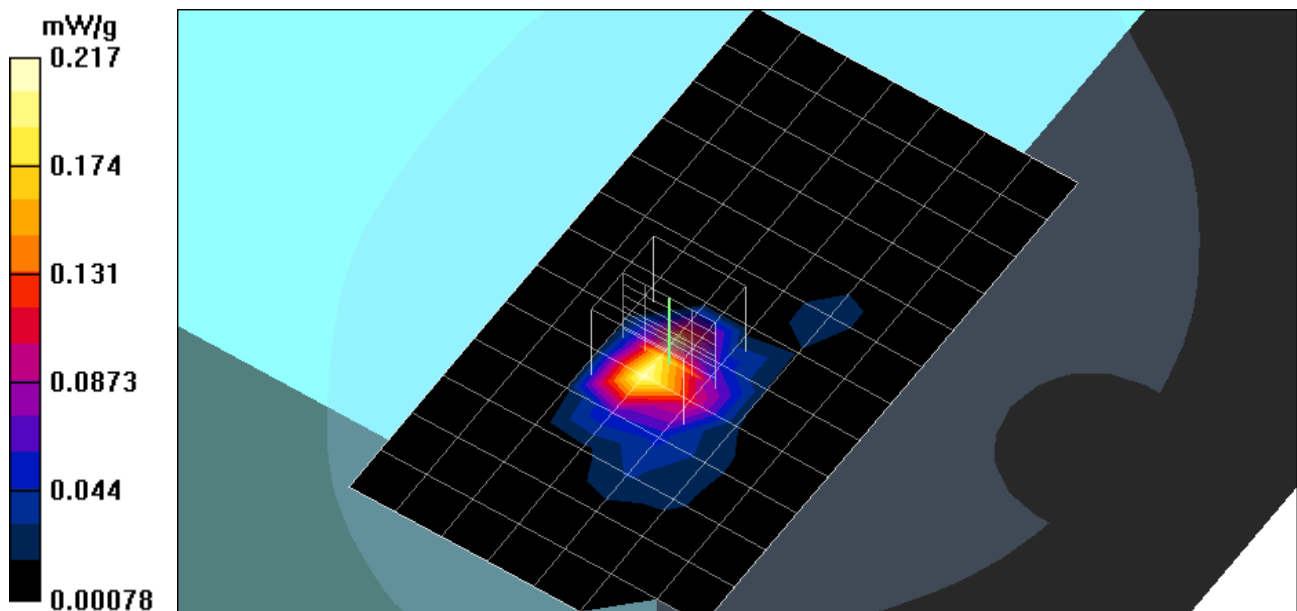
Peak SAR (extrapolated) = 0.671 W/kg

SAR(1 g) = 0.228 mW/g; SAR(10 g) = 0.0945 mW/g

Reference Value = 1.67 V/m

Power Drift = 0.12 dB

Maximum value of SAR = 0.217 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

Ambient Temperature: 25 deg C; Liquid Temperature: 23 deg C

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

Medium: Muscle 2450 MHz ($\sigma = 2.0158$ mho/m, $\epsilon_r = 51.28$, $\rho = 1000$ kg/m³)

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

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

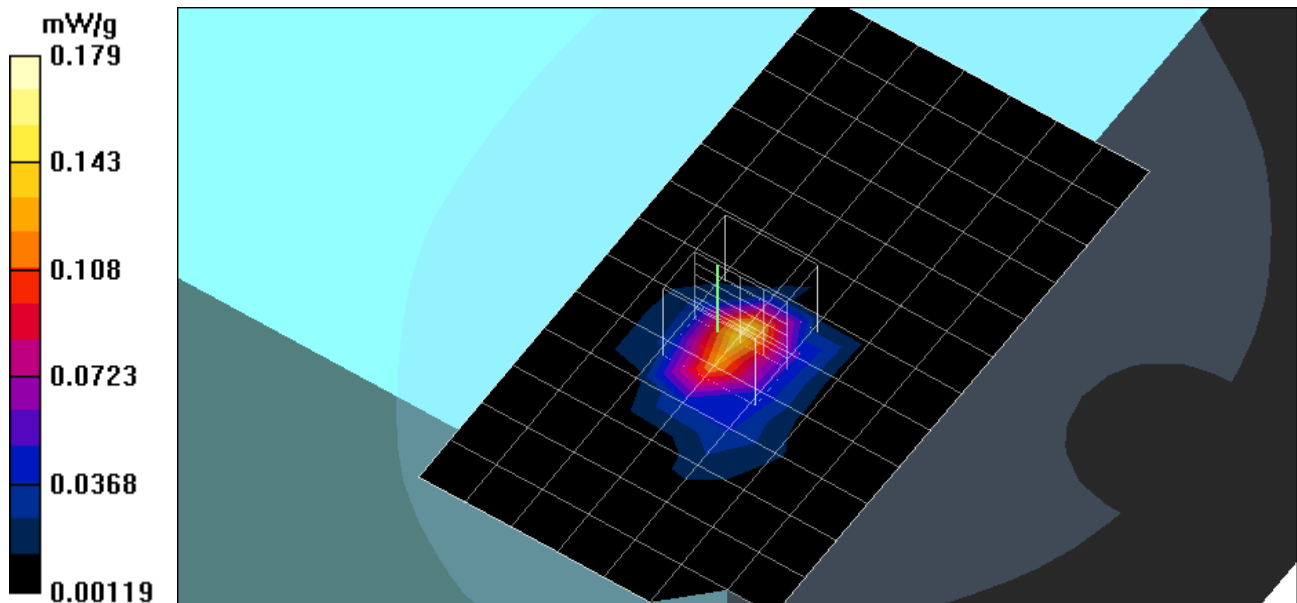
Peak SAR (extrapolated) = 0.535 W/kg

SAR(1 g) = 0.18 mW/g; SAR(10 g) = 0.0757 mW/g

Reference Value = 1.68 V/m

Power Drift = -0.11 dB

Maximum value of SAR = 0.179 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

Ambient Temperature: 25 deg C; Liquid Temperature: 23 deg C

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

Medium: Muscle 2450 MHz ($\sigma = \underline{2.0158}$ mho/m, $\epsilon_r = \underline{51.28}$, $\rho = 1000$ kg/m³)

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 (8x11x1): Measurement grid: dx=15mm, dy=15mm

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

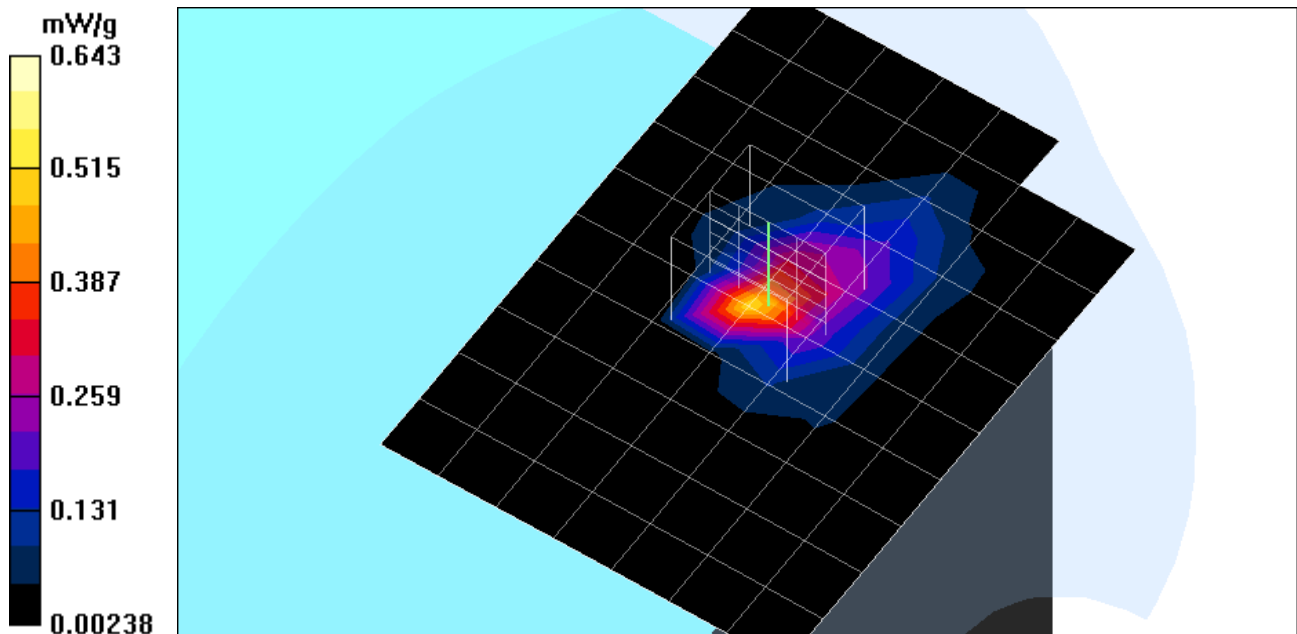
Peak SAR (extrapolated) = 1.61 W/kg

SAR(1 g) = 0.545 mW/g; SAR(10 g) = 0.217 mW/g

Reference Value = 1.39 V/m

Power Drift = -0.15 dB

Maximum value of SAR = 0.643 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

Ambient Temperature: 25 deg C; Liquid Temperature: 23 deg C

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

Medium: Muscle 2450 MHz ($\sigma = 2.0158$ mho/m, $\epsilon_r = 51.28$, $\rho = 1000$ kg/m³)

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 (8x11x1): Measurement grid: dx=15mm, dy=15mm

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

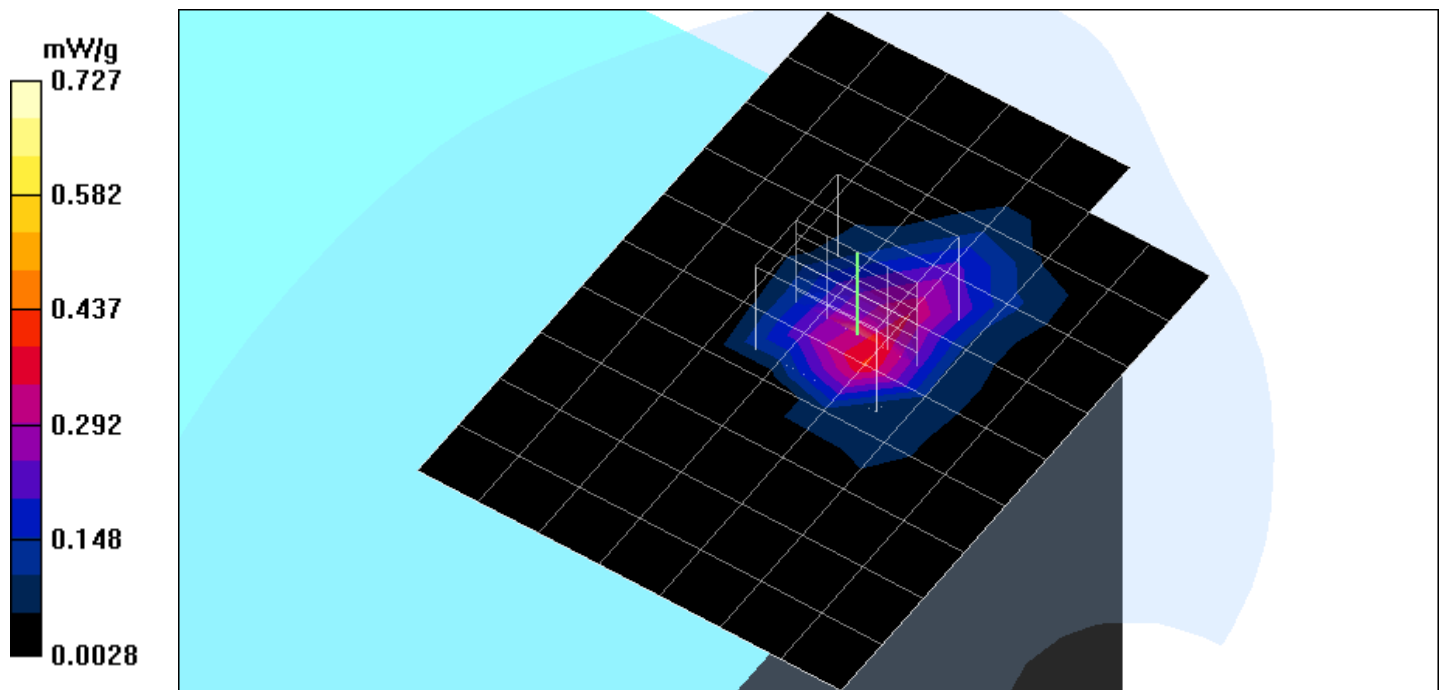
Peak SAR (extrapolated) = 1.93 W/kg

SAR(1 g) = 0.647 mW/g; SAR(10 g) = 0.244 mW/g

Reference Value = 1.12 V/m

Power Drift = -0.1 dB

Maximum value of SAR = 0.727 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

Ambient Temperature: 25 deg C; Liquid Temperature: 23 deg C

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

Medium: Muscle 2450 MHz ($\sigma = 2.0158$ mho/m, $\epsilon_r = 51.28$, $\rho = 1000$ kg/m³)

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

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

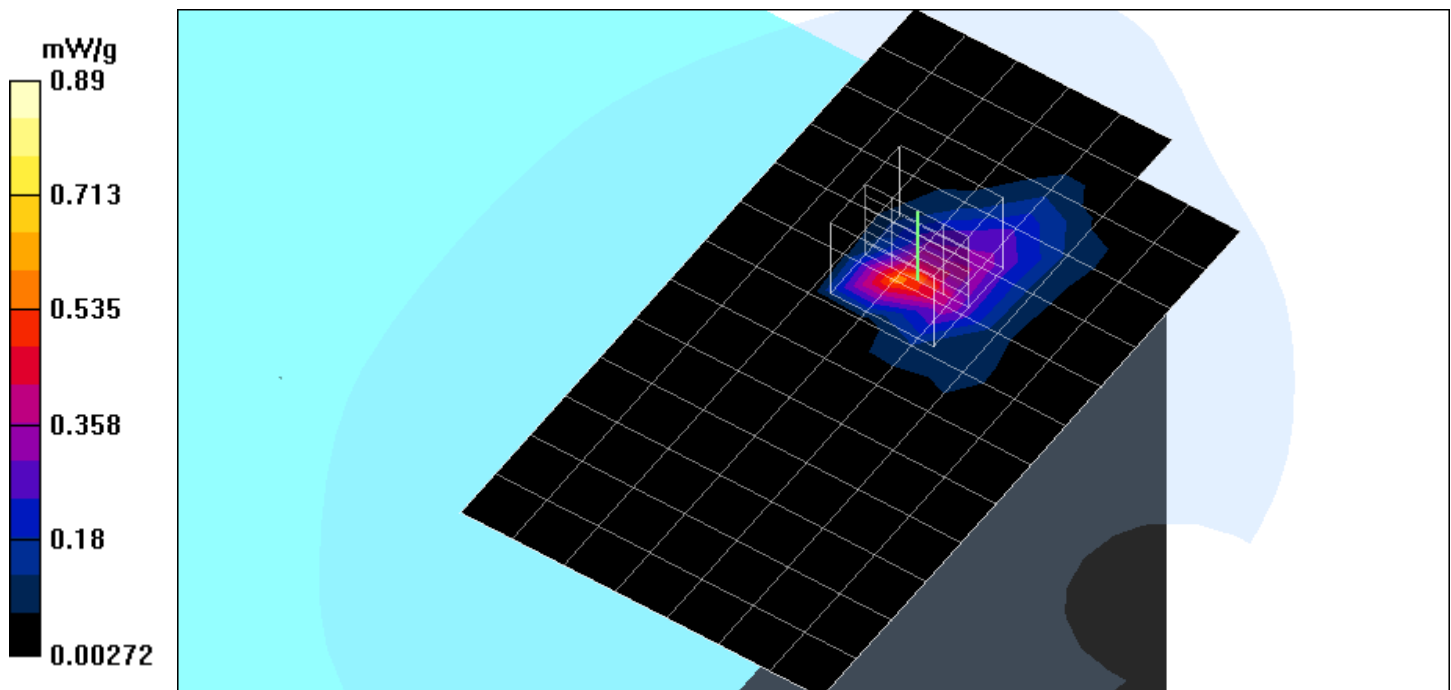
Peak SAR (extrapolated) = 2.32 W/kg

SAR(1 g) = 0.768 mW/g; SAR(10 g) = 0.286 mW/g

Reference Value = 0.963 V/m

Power Drift = -0.13 dB

Maximum value of SAR = 0.89 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

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

Medium: Muscle 2450 MHz ($\sigma = 2.0158$ mho/m, $\epsilon_r = 51.28$, $\rho = 1000$ kg/m³)

Phantom section: Flat Section

DASY4 Configuration:

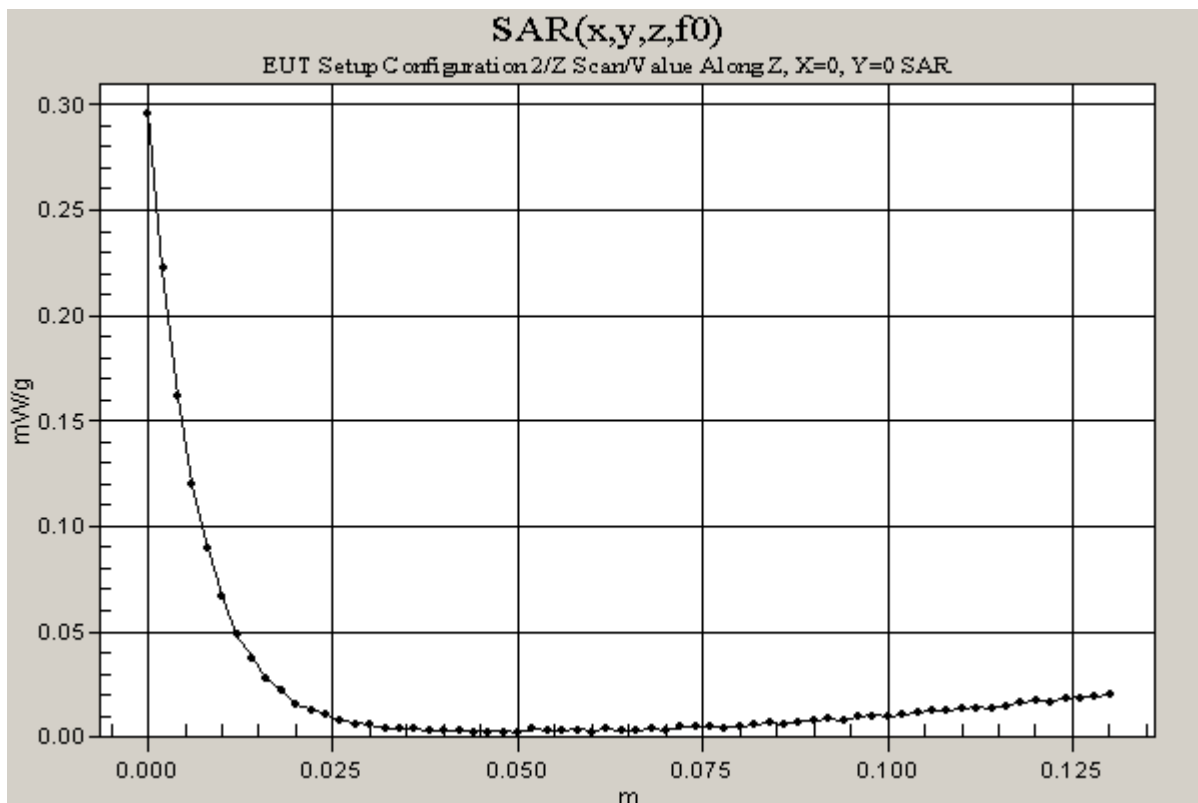
- Probe: ET3DV6 - SN1577; ConvF(4.7, 4.7, 4.7); Calibrated: 2/7/2003
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE3 Sn427; Calibrated: 2/4/2003
- Phantom: SAM 2; Type: SAM 2; Serial: 1050
- Measurement SW: DASY4, V4.1 Build 47; Postprocessing SW: SEMCAD, V1.6 Build 115

High Channel/Z Scan (1x1x66): Measurement grid: dx=20mm, dy=20mm, dz=2mm

Reference Value = 0.963 V/m

Power Drift = -0.12 dB

Maximum value of SAR = 0.296 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

Ambient Temperature: 25 deg C; Liquid Temperature: 23 deg C

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

Medium: Muscle 2450 MHz ($\sigma = 1.9596$ mho/m, $\epsilon_r = 51.7217$, $\rho = 1000$ kg/m³)

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 (8x11x1): Measurement grid: dx=15mm, dy=15mm

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

Peak SAR (extrapolated) = 0.0259 W/kg

SAR(1 g) = 0.0114 mW/g; SAR(10 g) = 0.00629 mW/g

Reference Value = 0.833 V/m

Power Drift = 0.13 dB

Maximum value of SAR = 0.0125 mW/g

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

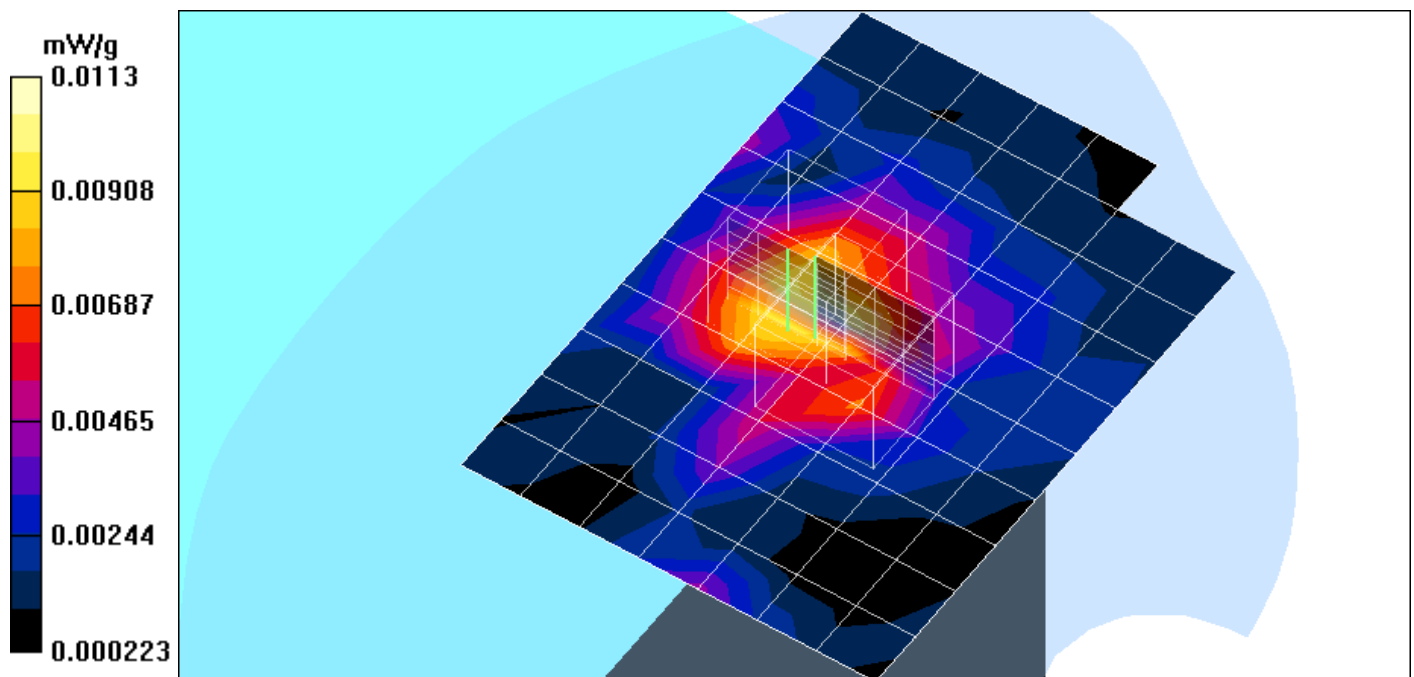
Peak SAR (extrapolated) = 0.025 W/kg

SAR(1 g) = 0.0104 mW/g; SAR(10 g) = 0.00501 mW/g

Reference Value = 0.833 V/m

Power Drift = 0.13 dB

Maximum value of SAR = 0.0113 mW/g



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

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

Program: EUT Setup Configuration 3

Ambient Temperature: 25 deg C; Liquid Temperature: 23 deg C

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

Medium: Muscle 2450 MHz ($\sigma = 1.9596$ mho/m, $\epsilon_r = 51.7217$, $\rho = 1000$ kg/m³)

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 (8x11x1): 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) = 0.0149 W/kg

SAR(1 g) = 0.00757 mW/g; SAR(10 g) = 0.00431 mW/g

Reference Value = 0.727 V/m

Power Drift = -0.17 dB

Maximum value of SAR = 0.00844 mW/g

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

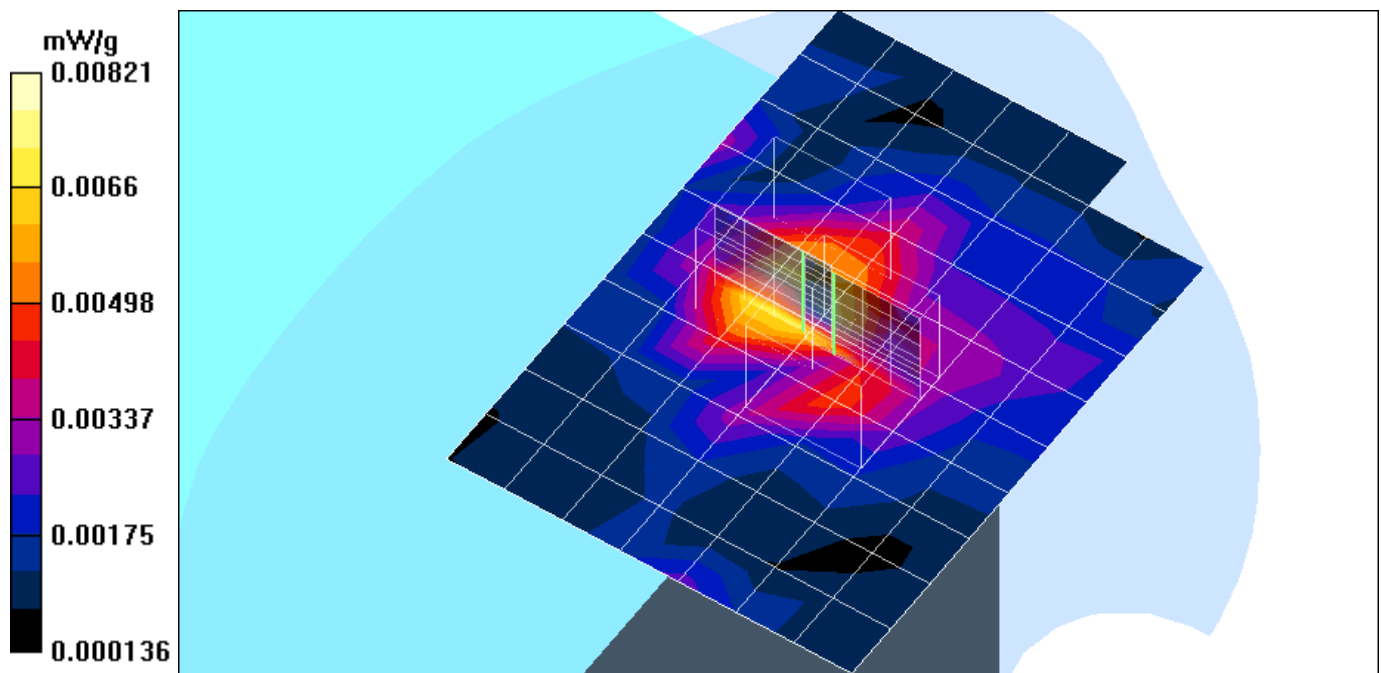
Peak SAR (extrapolated) = 0.0199 W/kg

SAR(1 g) = 0.00795 mW/g; SAR(10 g) = 0.00366 mW/g

Reference Value = 0.727 V/m

Power Drift = -0.17 dB

Maximum value of SAR = 0.00821 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

Ambient Temperature: 25 deg C; Liquid Temperature: 23 deg C

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

Medium: Muscle 2450 MHz ($\sigma = 1.9596$ mho/m, $\epsilon_r = 51.7217$, $\rho = 1000$ kg/m³)

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 (8x11x1): 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) = 0.0162 W/kg

SAR(1 g) = 0.00686 mW/g; SAR(10 g) = 0.00384 mW/g

Reference Value = 0.746 V/m

Power Drift = 0.17 dB

Maximum value of SAR = 0.00747 mW/g

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

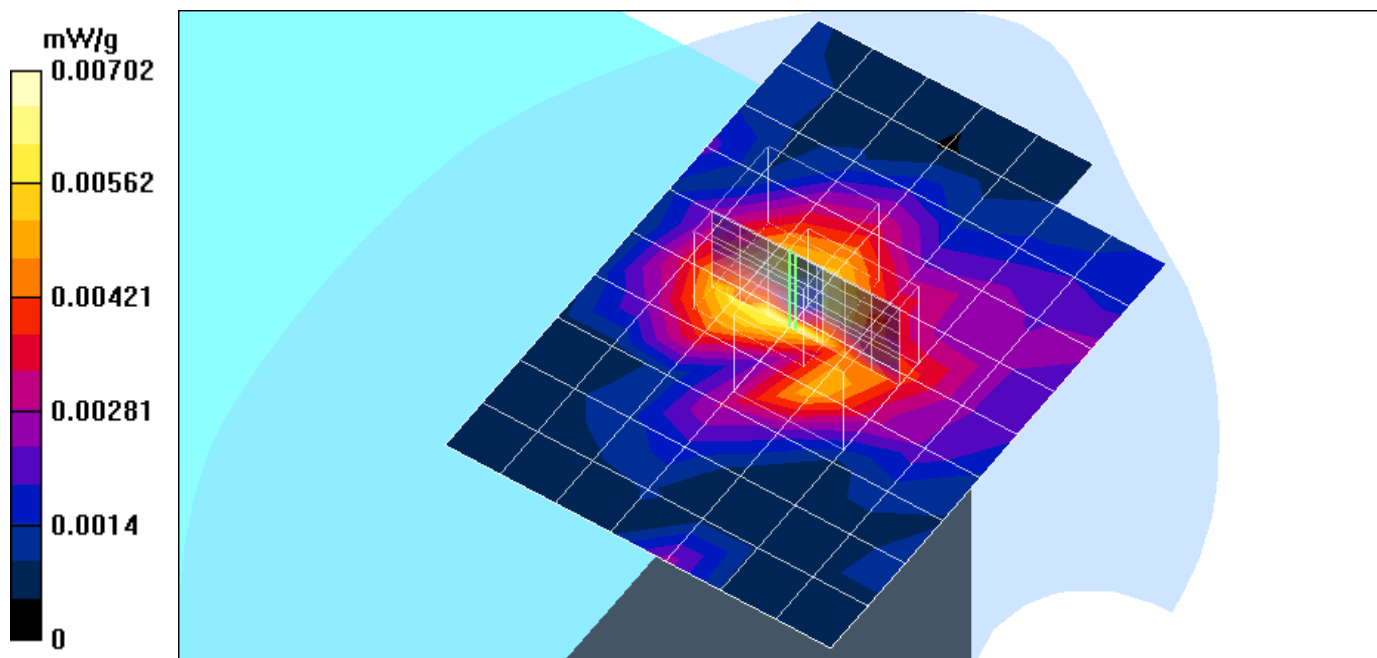
Peak SAR (extrapolated) = 0.0149 W/kg

SAR(1 g) = 0.00686 mW/g; SAR(10 g) = 0.00327 mW/g

Reference Value = 0.746 V/m

Power Drift = 0.17 dB

Maximum value of SAR = 0.00702 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

Ambient Temperature: 25 deg C; Liquid Temperature: 23 deg C

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

Medium: Muscle 2450 MHz ($\sigma = 2.0158$ mho/m, $\epsilon_r = 51.28$, $\rho = 1000$ kg/m³)

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

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

Peak SAR (extrapolated) = 0.0223 W/kg

SAR(1 g) = 0.0106 mW/g; SAR(10 g) = 0.00632 mW/g

Reference Value = 0.421 V/m

Power Drift = -0.14 dB

Maximum value of SAR = 0.0108 mW/g

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

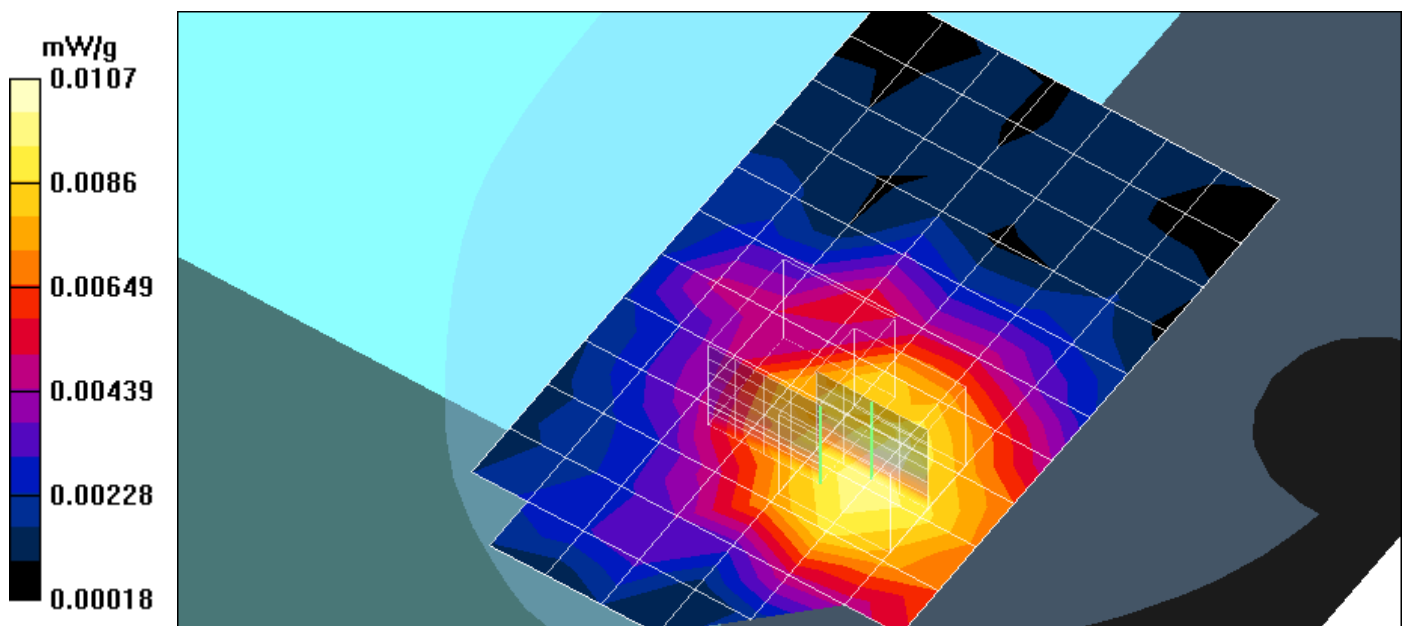
Peak SAR (extrapolated) = 0.0253 W/kg

SAR(1 g) = 0.00993 mW/g; SAR(10 g) = 0.006 mW/g

Reference Value = 0.421 V/m

Power Drift = -0.14 dB

Maximum value of SAR = 0.0107 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

Ambient Temperature: 25 deg C; Liquid Temperature: 23 deg C

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

Medium: Muscle 2450 MHz ($\sigma = 2.0158$ mho/m, $\epsilon_r = 51.28$, $\rho = 1000$ kg/m³)

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) = 0.0301 W/kg

SAR(1 g) = 0.0139 mW/g; SAR(10 g) = 0.00798 mW/g

Reference Value = 1.39 V/m

Power Drift = -0.11 dB

Maximum value of SAR = 0.0141 mW/g

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

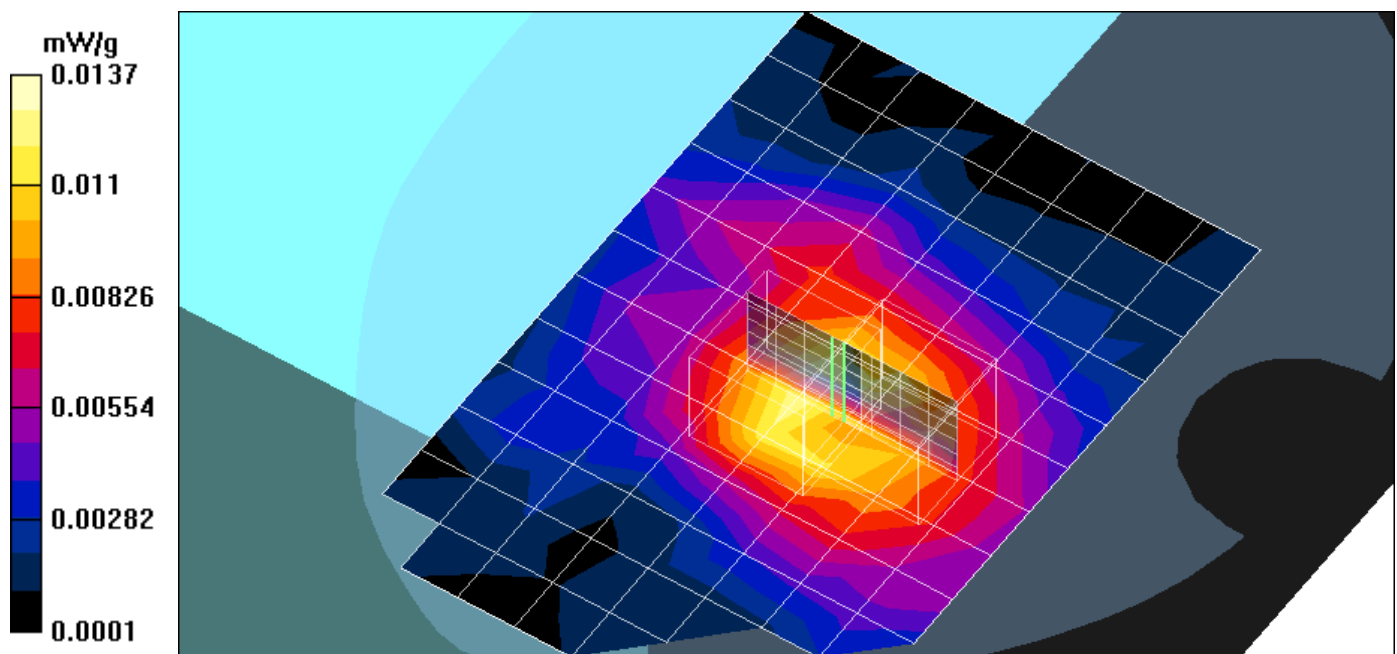
Peak SAR (extrapolated) = 0.0266 W/kg

SAR(1 g) = 0.0124 mW/g; SAR(10 g) = 0.00714 mW/g

Reference Value = 1.39 V/m

Power Drift = -0.11 dB

Maximum value of SAR = 0.0137 mW/g



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

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

Program: EUT Setup Configuration 4

Ambient Temperature: 25 deg C; Liquid Temperature: 23 deg C

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

Medium: Muscle 2450 MHz ($\sigma = 2.0158$ mho/m, $\epsilon_r = 51.28$, $\rho = 1000$ kg/m³)

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 (9x13x1): 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) = 0.0308 W/kg

SAR(1 g) = 0.0151 mW/g; SAR(10 g) = 0.00895 mW/g

Reference Value = 1.78 V/m

Power Drift = -0.13 dB

Maximum value of SAR = 0.0152 mW/g

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

Peak SAR (extrapolated) = 0.0318 W/kg

SAR(1 g) = 0.0101 mW/g; SAR(10 g) = 0.00564 mW/g

Reference Value = 1.78 V/m

Power Drift = -0.13 dB

Maximum value of SAR = 0.0121 mW/g

