

Test Laboratory: Compliance Certification Services

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

DUT: Apple Computer; Type: A1016EMC1937; Serial: N/A

Program: EUT Setup Configuration 1

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

Communication System: Bluetooth; Frequency: 2402 MHz; Duty Cycle: 1:1

Medium: Muscle 2450 MHz ($\sigma = 1.9668$ mho/m, $\epsilon_r = 52.13$, $\rho = 1000$ 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 (6x17x1): Measurement grid: dx=15mm, dy=15mm

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

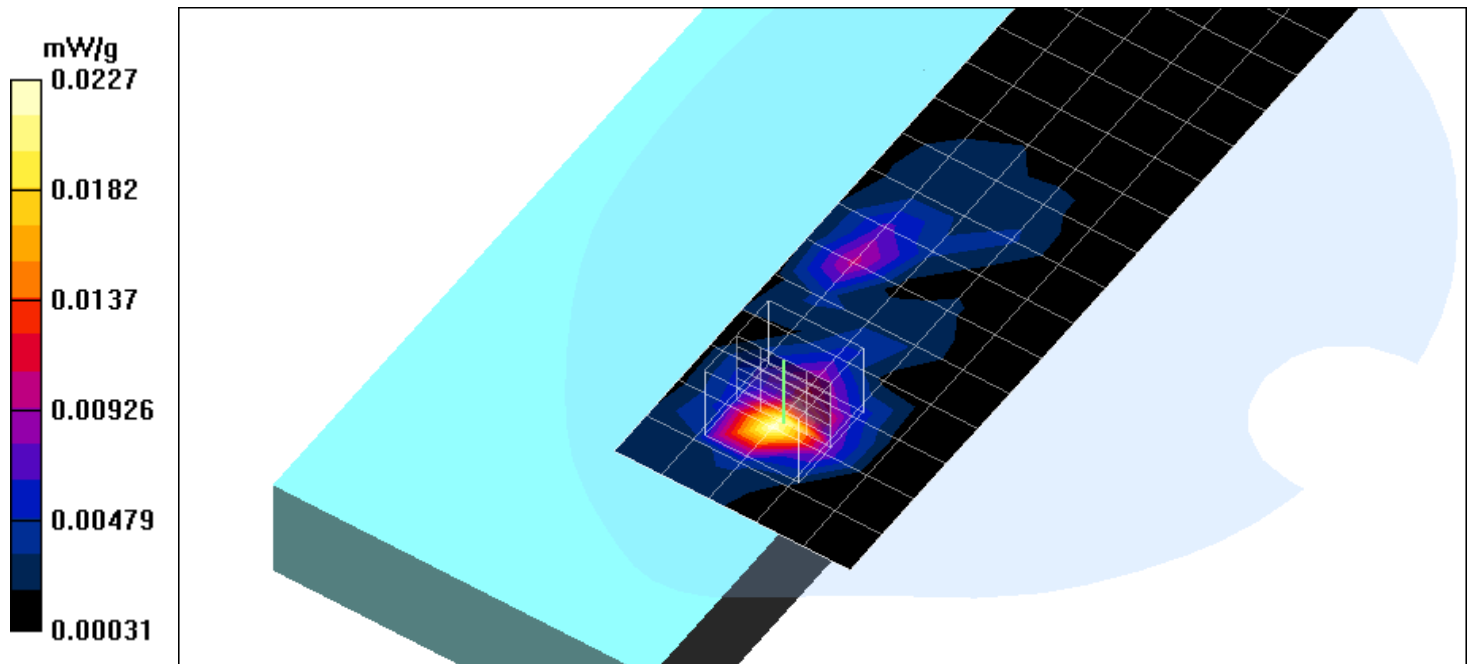
Peak SAR (extrapolated) = 0.0737 W/kg

SAR(1 g) = 0.0272 mW/g; SAR(10 g) = 0.011 mW/g

Reference Value = 1.1 V/m

Power Drift = -0.14 dB

Maximum value of SAR = 0.0276 mW/g



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Medium: Muscle 2450 MHz ($\sigma = 1.9668$ mho/m, $\epsilon_r = 52.13$, $\rho = 1000$ kg/m³)

Phantom section: Flat Section

DASY4 Configuration:

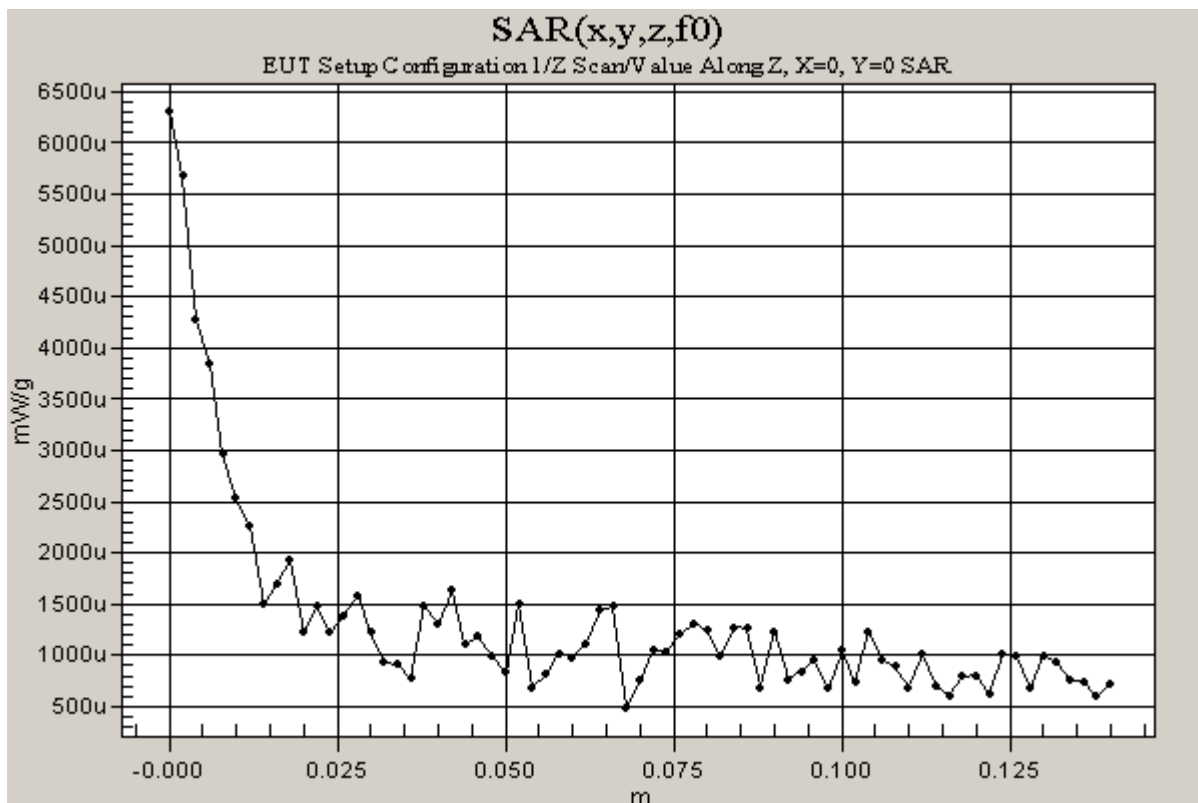
- Probe: ET3DV6 - SN1577; ConvF(4.7, 4.7, 4.7); Calibrated: 2/7/2003
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE3 Sn427; Calibrated: 2/4/2003
- Phantom: SAM 2; Type: SAM 2; Serial: 1050
- Measurement SW: DASY4, V4.1 Build 47; Postprocessing SW: SEMCAD, V1.6 Build 115

High Channel/Z Scan (1x1x71): Measurement grid: dx=20mm, dy=20mm, dz=2mm

Reference Value = 0.817 V/m

Power Drift = -0.14 dB

Maximum value of SAR = 0.00628 mW/g



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

DUT: Apple Computer; Type: A1016EMC1937; Serial: N/A

Program: EUT Setup Configuration 1

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

Communication System: Bluetooth; Frequency: 2441 MHz; Duty Cycle: 1:1

Medium: Muscle 2450 MHz ($\sigma = 1.9668$ mho/m, $\epsilon_r = 52.13$, $\rho = 1000$ 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 (6x17x1): Measurement grid: dx=15mm, dy=15mm

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

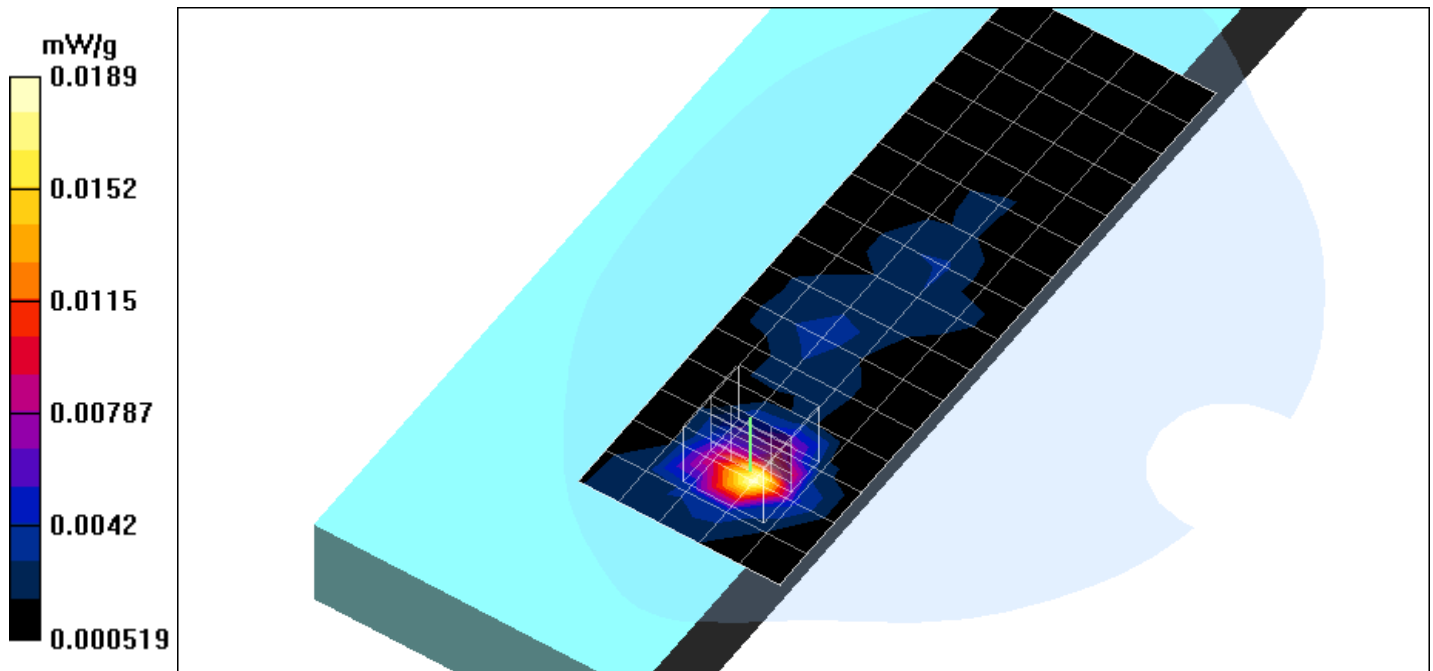
Peak SAR (extrapolated) = 0.0498 W/kg

SAR(1 g) = 0.0202 mW/g; SAR(10 g) = 0.00853 mW/g

Reference Value = 1.05 V/m

Power Drift = -0.11 dB

Maximum value of SAR = 0.0226 mW/g



Test Laboratory: Compliance Certification Services

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

DUT: Apple Computer; Type: A1016EMC1937; Serial: N/A

Program: EUT Setup Configuration 1

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

Communication System: Bluetooth; Frequency: 2480 MHz; Duty Cycle: 1:1

Medium: Muscle 2450 MHz ($\sigma = 1.9668$ mho/m, $\epsilon_r = 52.13$, $\rho = 1000$ 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 (6x17x1): Measurement grid: dx=15mm, dy=15mm

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

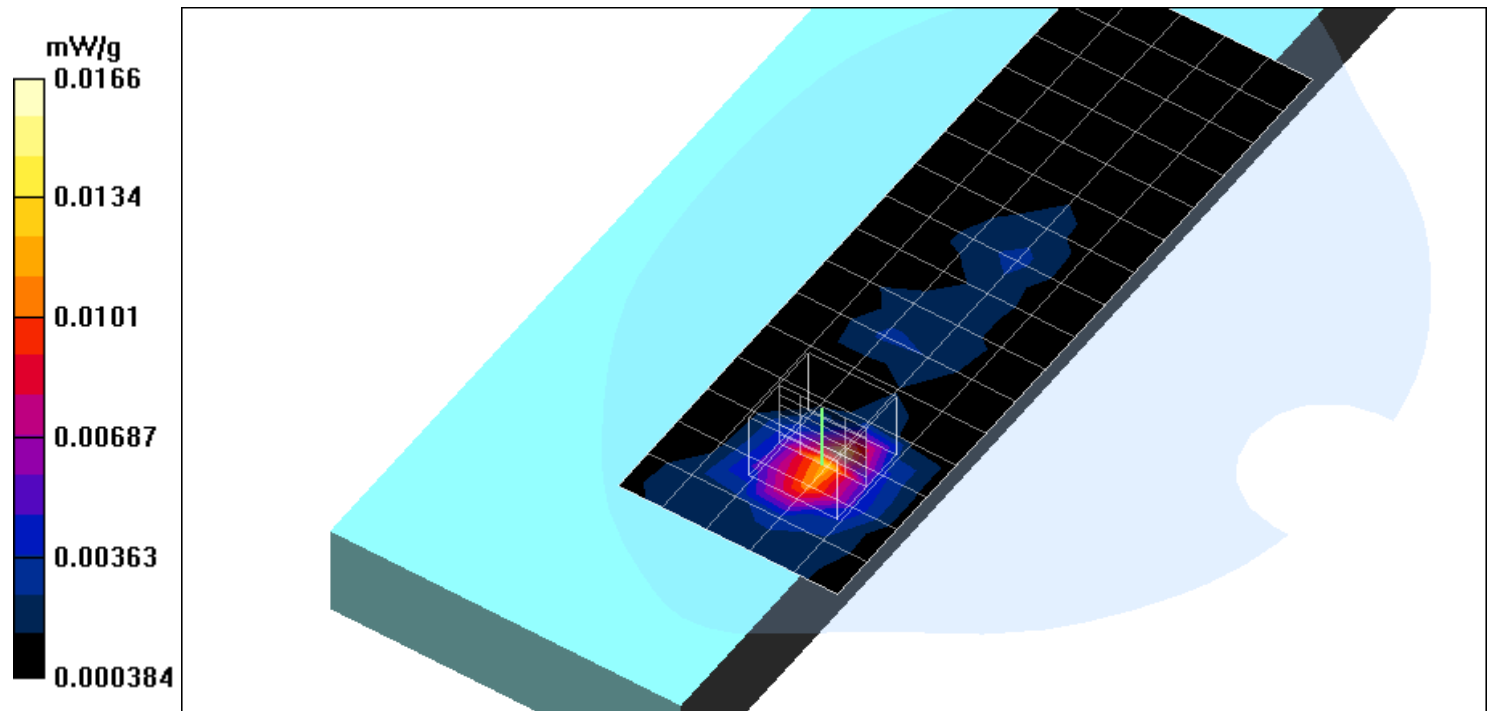
Peak SAR (extrapolated) = 0.0428 W/kg

SAR(1 g) = 0.0156 mW/g; SAR(10 g) = 0.00696 mW/g

Reference Value = 0.817 V/m

Power Drift = -0.19 dB

Maximum value of SAR = 0.0166 mW/g



Test Laboratory: Compliance Certification Services

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

DUT: Apple Computer; Type: A1016EMC1937; Serial: N/A

Program: EUT Setup Configuration 2

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

Communication System: Bluetooth; Frequency: 2402 MHz; Duty Cycle: 1:1

Medium: Muscle 2450 MHz ($\sigma = 1.9668$ mho/m, $\epsilon_r = 52.13$, $\rho = 1000$ 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 (6x14x1): 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) = 0.0222 W/kg

SAR(1 g) = 0.00806 mW/g; SAR(10 g) = 0.00401 mW/g

Reference Value = 0.938 V/m

Power Drift = -0.13 dB

Maximum value of SAR = 0.00848 mW/g

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

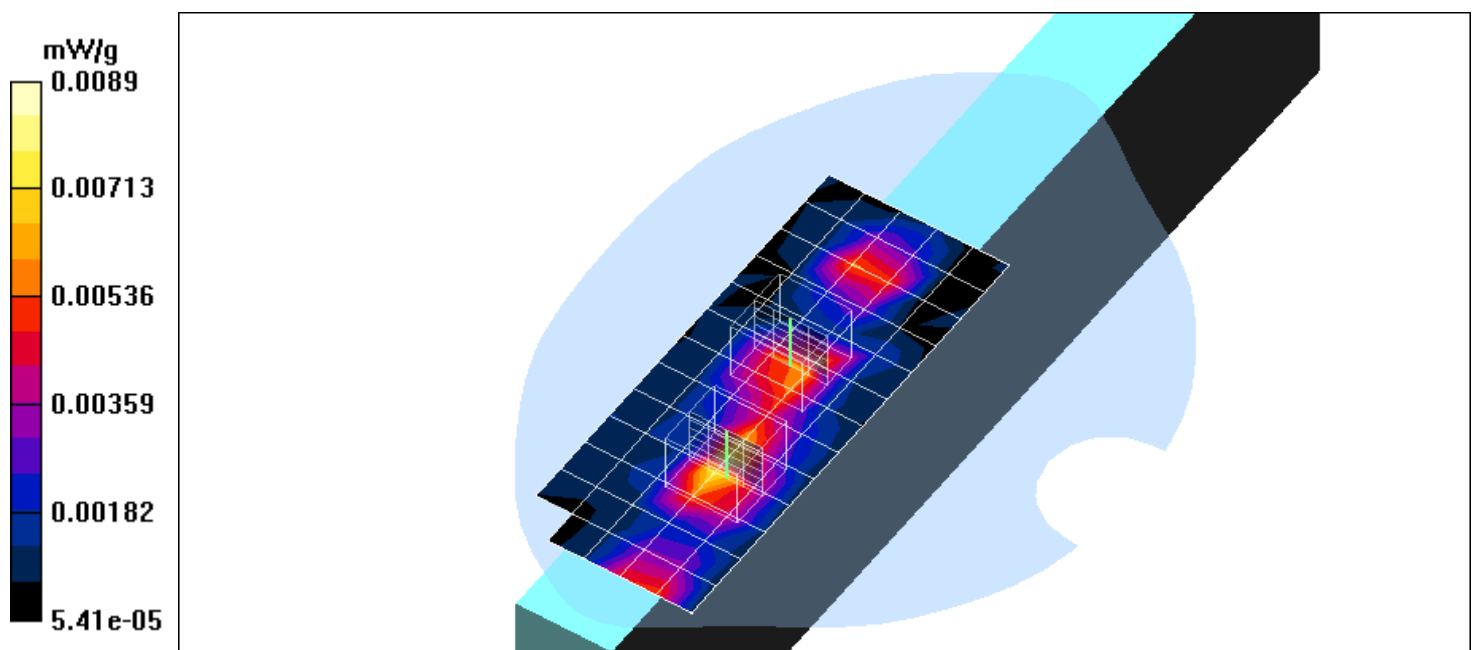
Peak SAR (extrapolated) = 0.021 W/kg

SAR(1 g) = 0.00845 mW/g; SAR(10 g) = 0.00405 mW/g

Reference Value = 0.938 V/m

Power Drift = -0.13 dB

Maximum value of SAR = 0.0089 mW/g



Test Laboratory: Compliance Certification Services

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

DUT: Apple Computer; Type: A1016EMC1937; Serial: N/A

Program: EUT Setup Configuration 2

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

Communication System: Bluetooth; Frequency: 2441 MHz; Duty Cycle: 1:1

Medium: Muscle 2450 MHz ($\sigma = 1.9668 \text{ mho/m}$, $\epsilon_r = 52.13$, $\rho = 1000 \text{ kg/m}^3$)

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 (6x14x1): Measurement grid: dx=15mm, dy=15mm

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

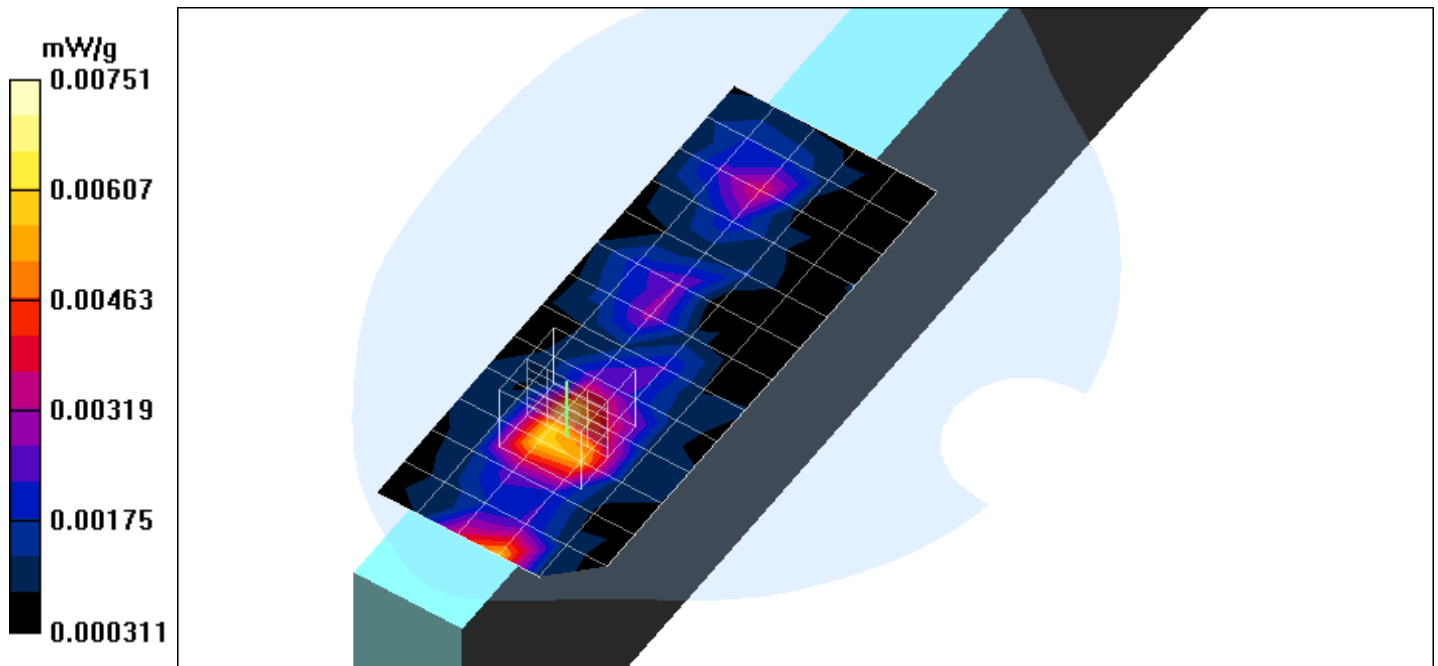
Peak SAR (extrapolated) = 0.023 W/kg

SAR(1 g) = 0.00756 mW/g; SAR(10 g) = 0.00372 mW/g

Reference Value = 0.654 V/m

Power Drift = -0.11 dB

Maximum value of SAR = 0.00751 mW/g



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

DUT: Apple Computer; Type: A1016EMC1937; Serial: N/A

Program: EUT Setup Configuration 2

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

Communication System: Bluetooth; Frequency: 2480 MHz; Duty Cycle: 1:1

Medium: Muscle 2450 MHz ($\sigma = 1.9668$ mho/m, $\epsilon_r = 52.13$, $\rho = 1000$ 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 (6x17x1): Measurement grid: dx=15mm, dy=15mm

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

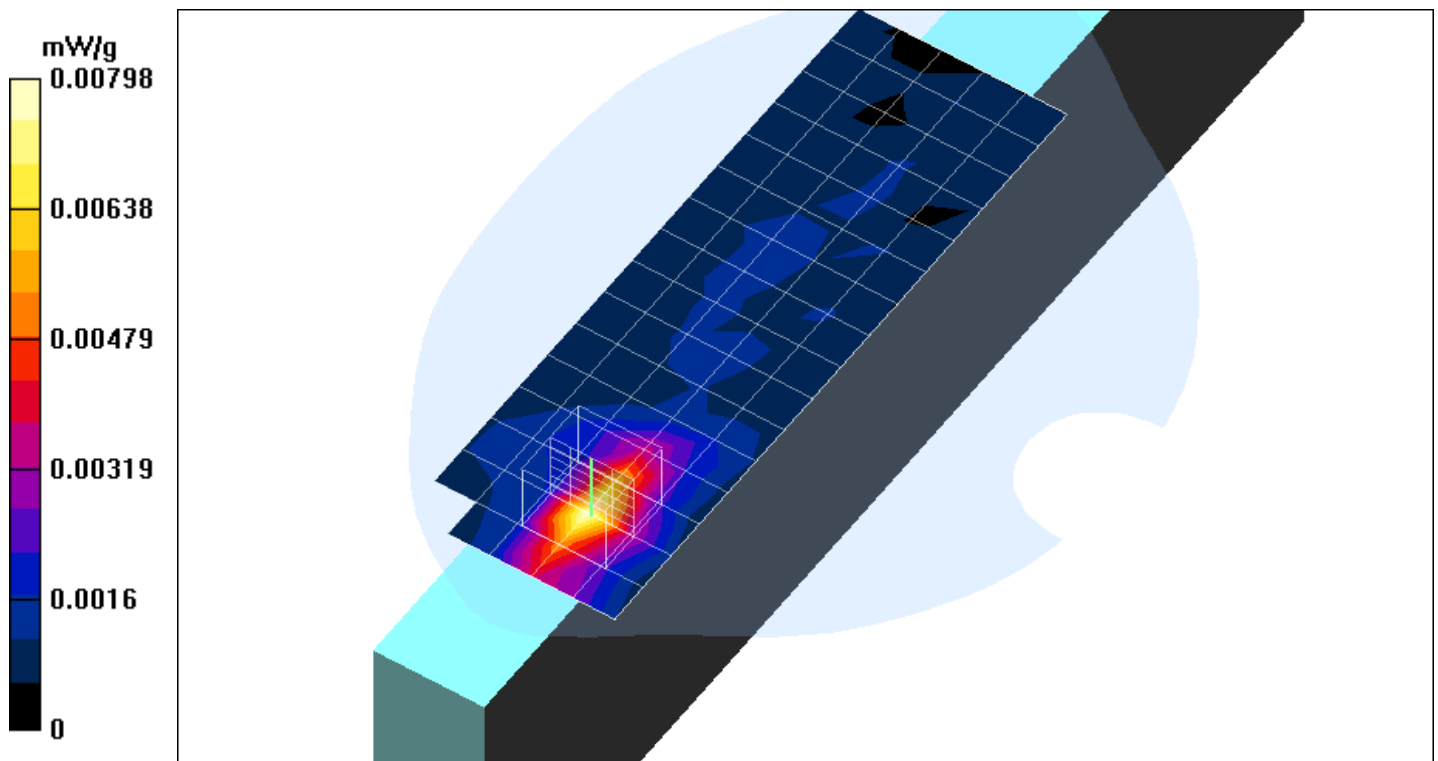
Peak SAR (extrapolated) = 0.0283 W/kg

SAR(1 g) = 0.00816 mW/g; SAR(10 g) = 0.00388 mW/g

Reference Value = 0.809 V/m

Power Drift = -0.18 dB

Maximum value of SAR = 0.00822 mW/g



Test Laboratory: Compliance Certification Services

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

DUT: Apple Computer; Type: A1016EMC1937; Serial: N/A

Program: EUT Setup Configuration 3

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

Communication System: Bluetooth; Frequency: 2402 MHz; Duty Cycle: 1:1

Medium: Muscle 2450 MHz ($\sigma = 1.9668 \text{ mho/m}$, $\epsilon_r = 52.13$, $\rho = 1000 \text{ kg/m}^3$)

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 (6x15x1): 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) = 74 W/kg

SAR(1 g) = 0.00204 mW/g; SAR(10 g) = 0.00221 mW/g

Reference Value = 0.525 V/m

Power Drift = -0.15 dB

Maximum value of SAR = 0.00172 mW/g

