Date/Time: 10/07/03 12:00:06

Test Laboratory: Compliance Certification Services
File Name: EUT Setup Configuration 1_Antenna A.da4

DUT: Toshiba; Type: PA3233U-1MPC; Serial: N/A
Program: EUT Setup Configuration 1_802.11b_Antenna A
Ambient Temperature: 24.5 deg C; Liquid Temperature: 23.0 deg C

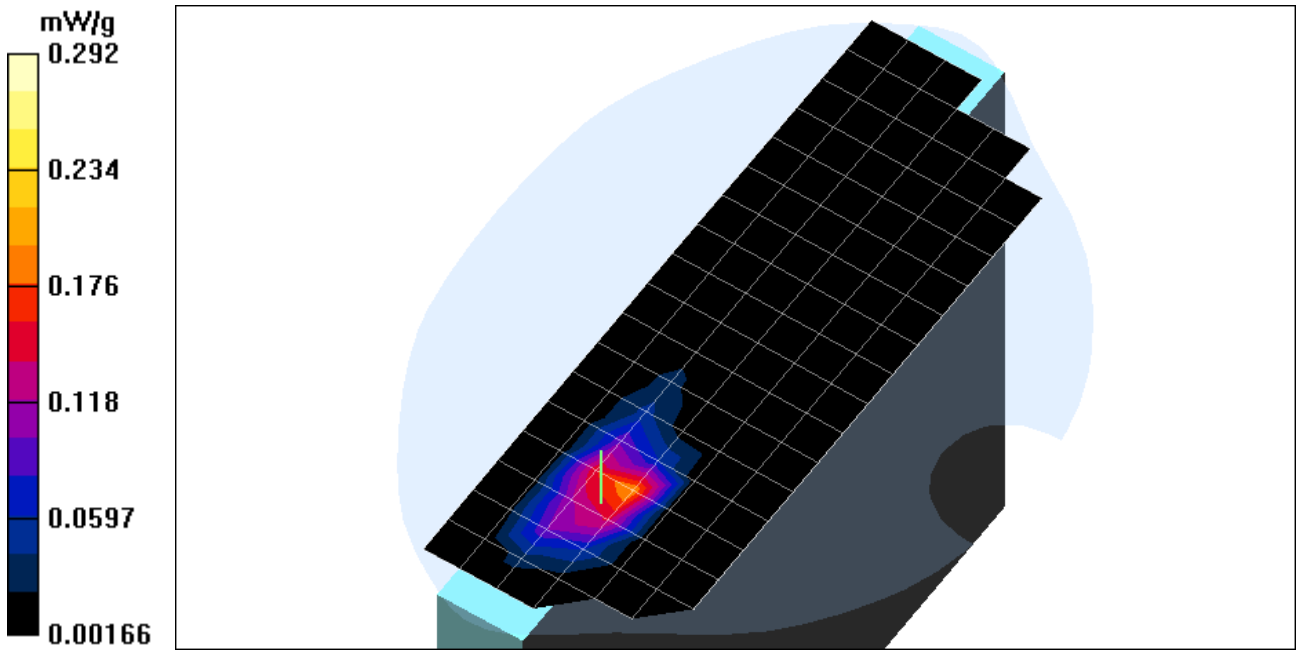
Communication System: DSSS; Frequency: 2412 MHz;Duty Cycle: 1:1
Medium: Muscle 2450 MHz (σ = 1.9587 mho/m, ε_r = 52.5048, ρ = 1000 kg/m^3)
Phantom section: Flat Section

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/Area Scan (7x21x1): Measurement grid: dx=15mm, dy=15mm
Reference Value = 0.491 V/m
Power Drift = 0.15 dB
Maximum value of SAR = 0.198 mW/g

Low/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Peak SAR (extrapolated) = 0.706 W/kg
SAR(1 g) = 0.284 mW/g; SAR(10 g) = 0.122 mW/g
Reference Value = 0.491 V/m
Power Drift = 0.15 dB
Maximum value of SAR = 0.292 mW/g



Date/Time: 10/07/03 12:20:28

Test Laboratory: Compliance Certification Services
File Name: EUT Setup Configuration 1_Antenna A.da4

DUT: Toshiba; Type: PA3233U-1MPC; Serial: N/A
Program: EUT Setup Configuration 1_802.11b_Antenna A
Ambient Temperature: 24.5 deg C; Liquid Temperature: 23.0 deg C

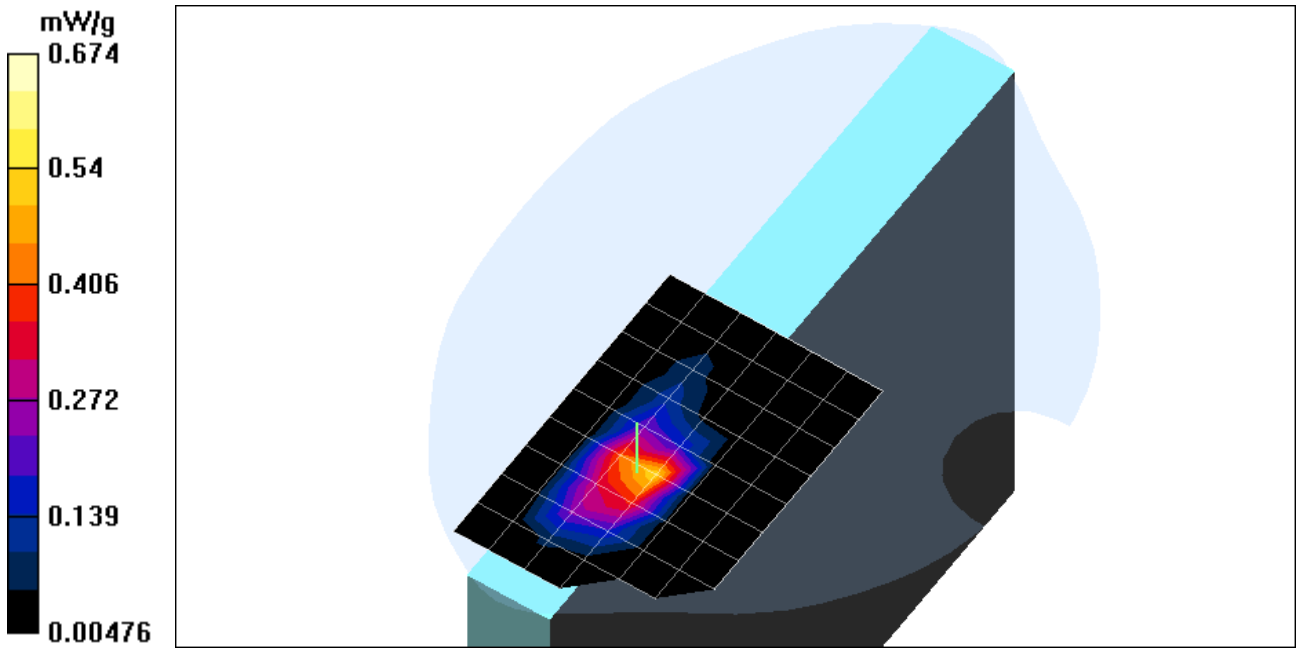
Communication System: DSSS; Frequency: 2437 MHz;Duty Cycle: 1:1
Medium: Muscle 2450 MHz (σ = 1.9587 mho/m, ε_r = 52.5048, ρ = 1000 kg/m^3)
Phantom section: Flat Section

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/Area Scan (7x11x1): Measurement grid: dx=15mm, dy=15mm
Reference Value = 1.14 V/m
Power Drift = 0.11 dB
Maximum value of SAR = 0.536 mW/g

Middle/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Peak SAR (extrapolated) = 1.65 W/kg
SAR(1 g) = 0.664 mW/g; SAR(10 g) = 0.283 mW/g
Reference Value = 1.14 V/m
Power Drift = 0.11 dB
Maximum value of SAR = 0.674 mW/g



Date/Time: 10/07/03 12:20:28

Test Laboratory: Compliance Certification Services
File Name: EUT Setup Configuration 1_Antenna A.da4

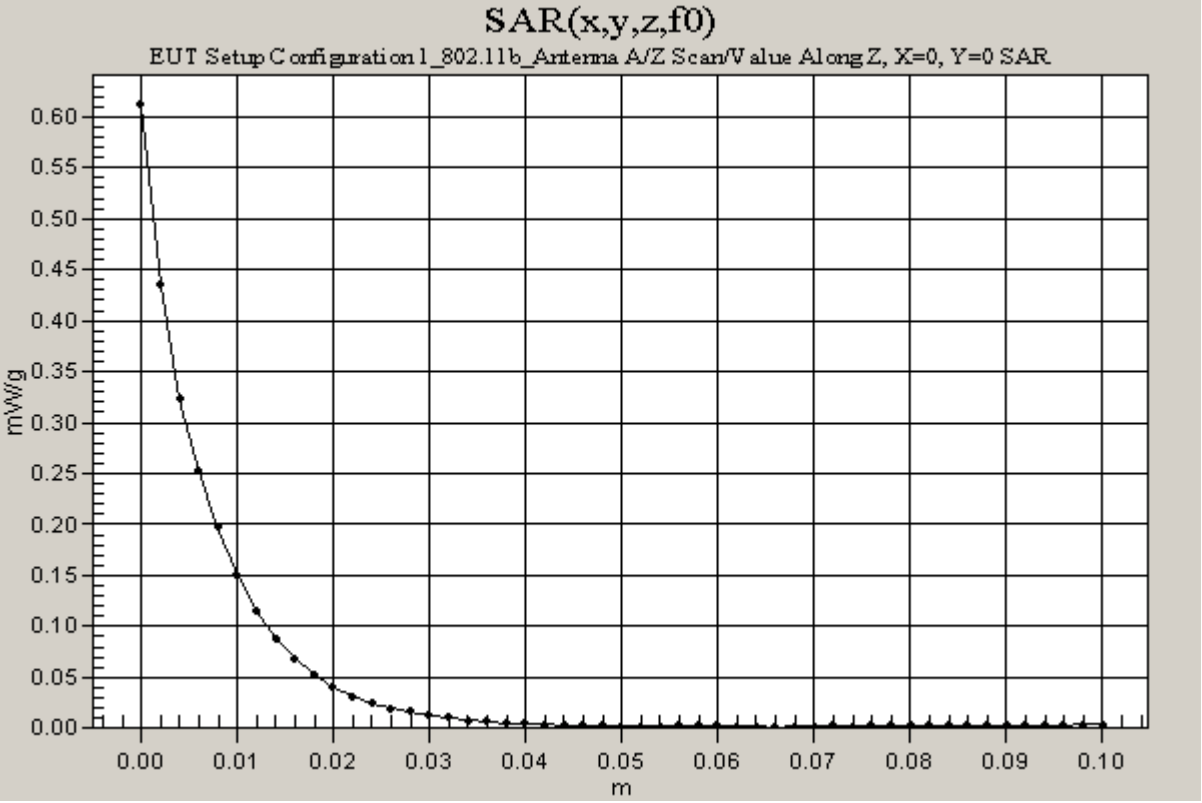
DUT: Toshiba; Type: PA3233U-1MPC; Serial: N/A
Program: EUT Setup Configuration 1_802.11b_Antenna A

Communication System: DSSS; Frequency: 2437 MHz;Duty Cycle: 1:1
Medium: Muscle 2450 MHz (σ = 1.9587 mho/m, ε_r = 52.5048, ρ = 1000 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: 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/Z Scan (1x1x51): Measurement grid: dx=20mm, dy=20mm, dz=2mm
Reference Value = 1.14 V/m
Power Drift = 0.11 dB
Maximum value of SAR = 0.612 mW/g



Date/Time: 10/07/03 13:06:52

Test Laboratory: Compliance Certification Services
File Name: EUT Setup Configuration 1_Antenna A.da4

DUT: Toshiba; Type: PA3233U-1MPC; Serial: N/A
Program: EUT Setup Configuration 1_802.11b_Antenna A
Ambient Temperature: 24.5 deg C; Liquid Temperature: 23.0 deg C

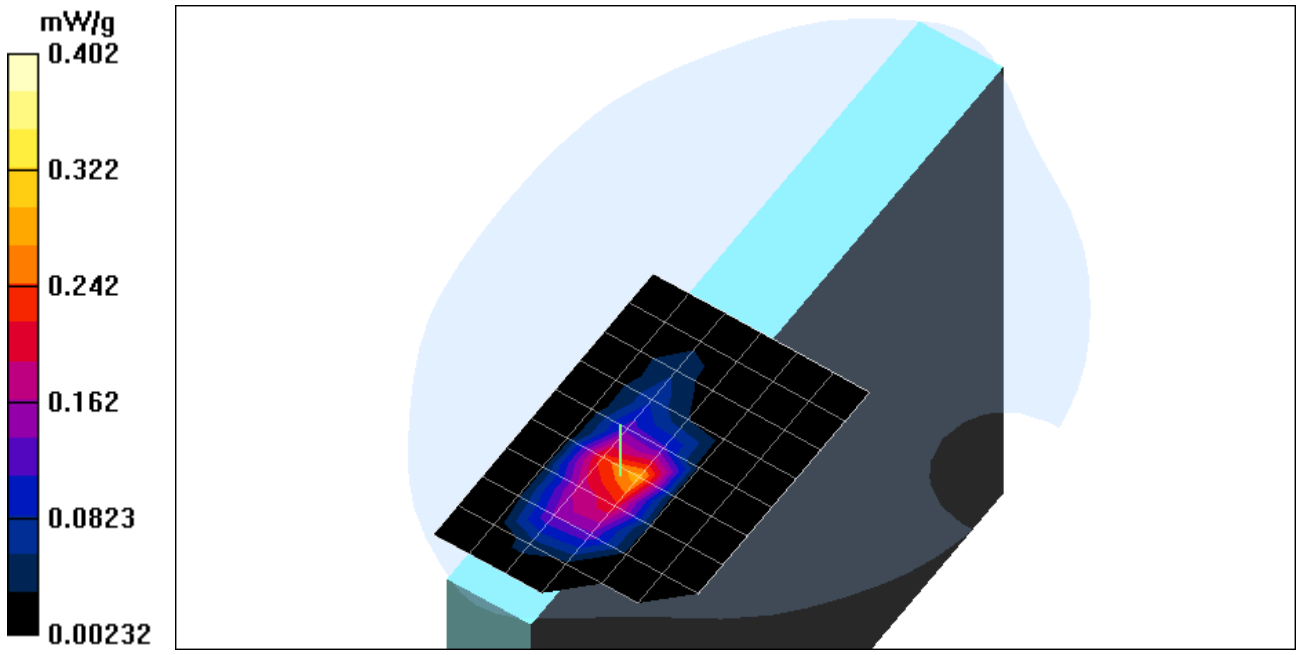
Communication System: DSSS; Frequency: 2462 MHz;Duty Cycle: 1:1
Medium: Muscle 2450 MHz (σ = 1.9587 mho/m, ε_r = 52.5048, ρ = 1000 kg/m^3)
Phantom section: Flat Section

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

High/Area Scan (7x11x1): Measurement grid: dx=15mm, dy=15mm
Reference Value = 1.08 V/m
Power Drift = 0.14 dB
Maximum value of SAR = 0.288 mW/g

High/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Peak SAR (extrapolated) = 0.973 W/kg
SAR(1 g) = 0.391 mW/g; SAR(10 g) = 0.167 mW/g
Reference Value = 1.08 V/m
Power Drift = 0.14 dB
Maximum value of SAR = 0.402 mW/g



Date/Time: 10/07/03 12:40:54

Test Laboratory: Compliance Certification Services
File Name: EUT Setup Configuration 1_Antenna A.da4

DUT: Toshiba; Type: PA3233U-1MPC; Serial: N/A
Program: EUT Setup Configuration 1_802.11b_Antenna A
Ambient Temperature: 24.5 deg C; Liquid Temperature: 23.0 deg C

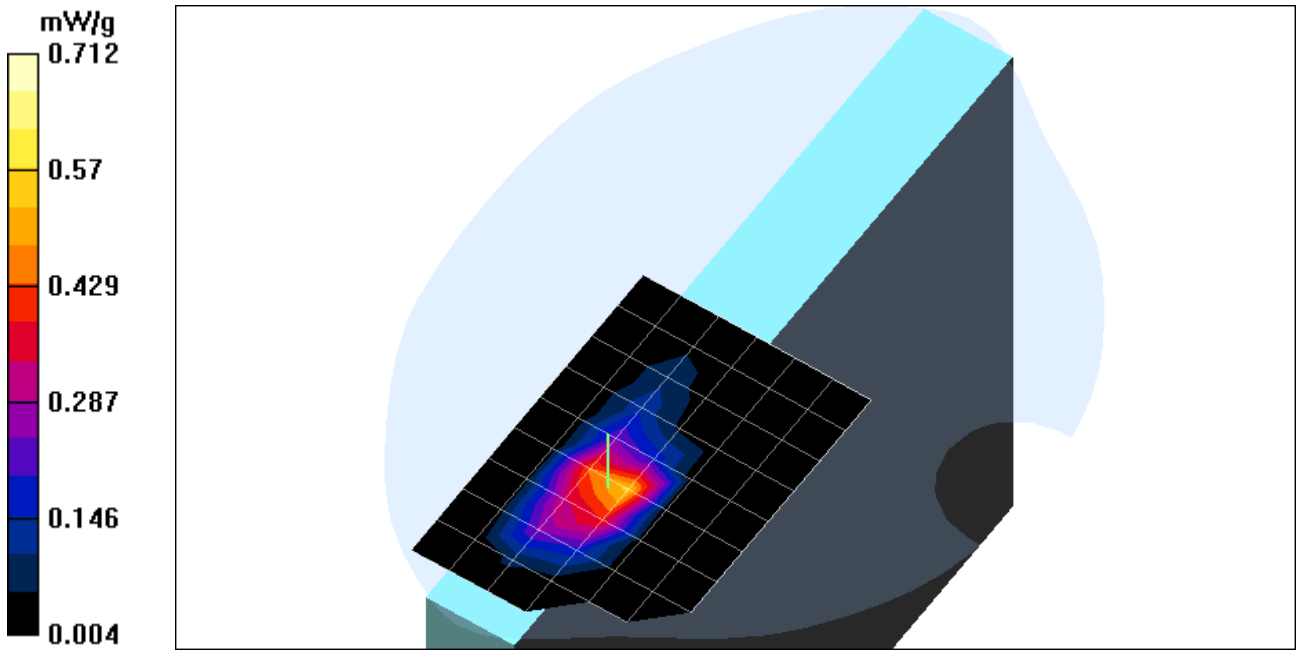
Communication System: DSSS; Frequency: 2437 MHz;Duty Cycle: 1:1
Medium: Muscle 2450 MHz (σ = 1.9587 mho/m, ε_r = 52.5048, ρ = 1000 kg/m^3)
Phantom section: Flat Section

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

Co-location/Area Scan (7x11x1): Measurement grid: dx=15mm, dy=15mm
Reference Value = 1.56 V/m
Power Drift = 0.11 dB
Maximum value of SAR = 0.543 mW/g

Co-location/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Peak SAR (extrapolated) = 1.74 W/kg
SAR(1 g) = 0.699 mW/g; SAR(10 g) = 0.297 mW/g
Reference Value = 1.56 V/m
Power Drift = 0.11 dB
Maximum value of SAR = 0.712 mW/g



Date/Time: 10/07/03 12:40:54

Test Laboratory: Compliance Certification Services
File Name: EUT Setup Configuration 1_Antenna A.da4

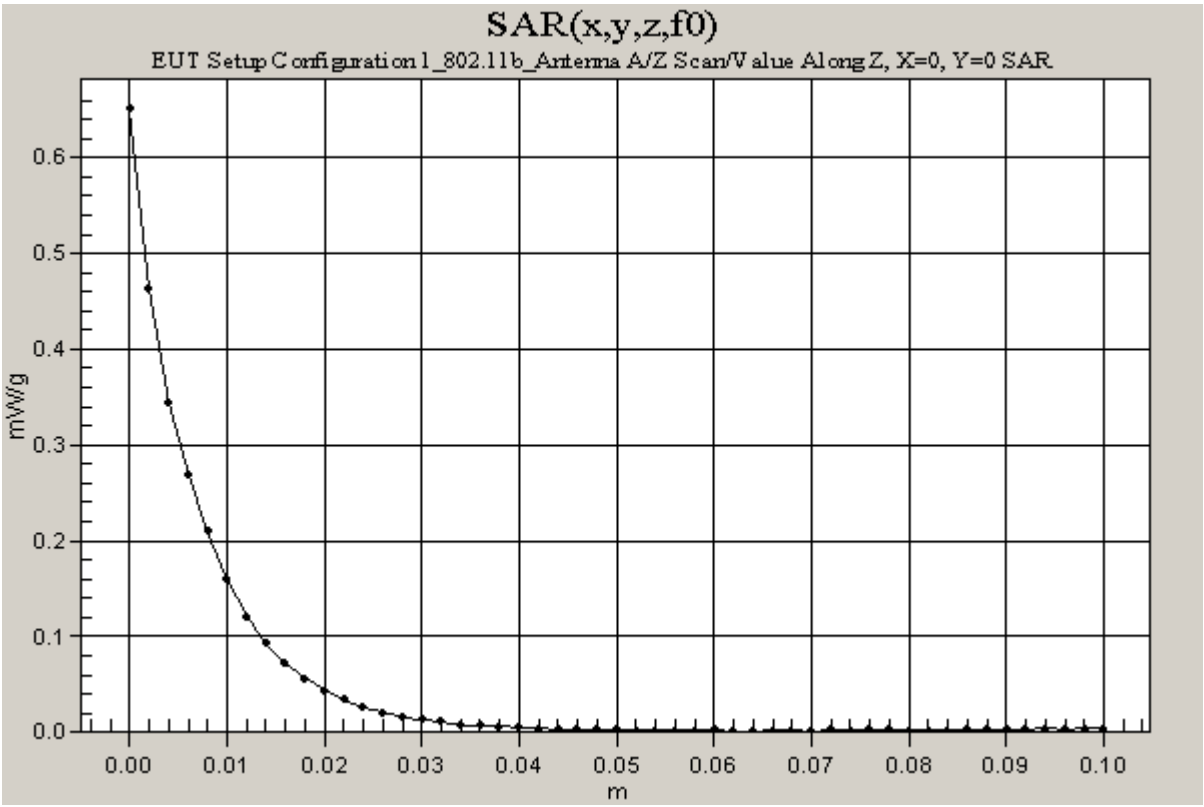
DUT: Toshiba; Type: PA3233U-1MPC; Serial: N/A
Program: EUT Setup Configuration 1_802.11b_Antenna A

Communication System: DSSS; Frequency: 2437 MHz;Duty Cycle: 1:1
Medium: Muscle 2450 MHz (σ = 1.9587 mho/m, ε_r = 52.5048, ρ = 1000 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: 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

Co-location/Z Scan (1x1x51): Measurement grid: dx=20mm, dy=20mm, dz=2mm
Reference Value = 1.56 V/m
Power Drift = 0.13 dB
Maximum value of SAR = 0.652 mW/g



Date/Time: 10/07/03 13:59:56

Test Laboratory: Compliance Certification Services
File Name: EUT Setup Configuration 2_Antenna B.da4

DUT: Toshiba; Type: PA3233U-1MPC; Serial: N/A
Program: EUT Setup Configuration 2_802.11b_Antenna B
Ambient Temperature: 24.5 deg C; Liquid Temperature: 23.0 deg C

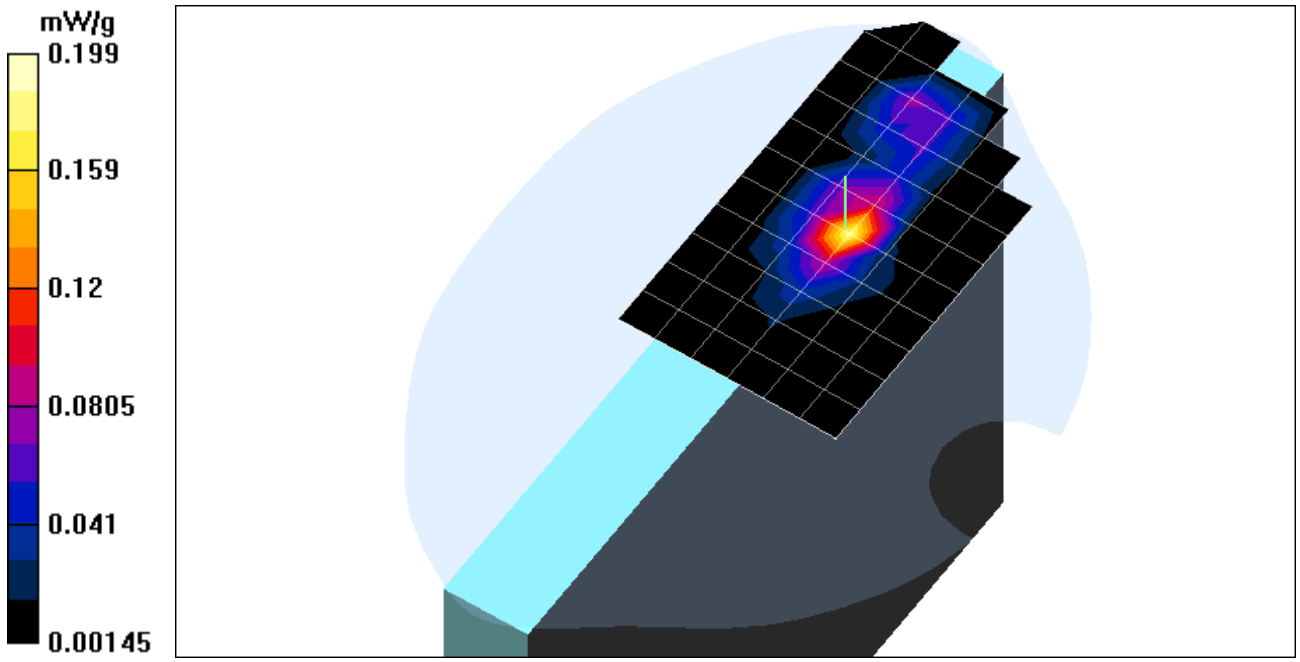
Communication System: DSSS; Frequency: 2412 MHz;Duty Cycle: 1:1
Medium: Muscle 2450 MHz (σ = 1.9587 mho/m, ε_r = 52.5048, ρ = 1000 kg/m^3)
Phantom section: Flat Section

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/Area Scan (7x12x1): Measurement grid: dx=15mm, dy=15mm
Reference Value = 2.59 V/m
Power Drift = 0.14 dB
Maximum value of SAR = 0.186 mW/g

Low/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Peak SAR (extrapolated) = 0.502 W/kg
SAR(1 g) = 0.161 mW/g; SAR(10 g) = 0.0641 mW/g
Reference Value = 2.59 V/m
Power Drift = 0.14 dB
Maximum value of SAR = 0.199 mW/g



Date/Time: 10/07/03 14:18:48

Test Laboratory: Compliance Certification Services
File Name: EUT Setup Configuration 2_Antenna B.da4

DUT: Toshiba; Type: PA3233U-1MPC; Serial: N/A
Program: EUT Setup Configuration 2_802.11b_Antenna B
Ambient Temperature: 24.5 deg C; Liquid Temperature: 23.0 deg C

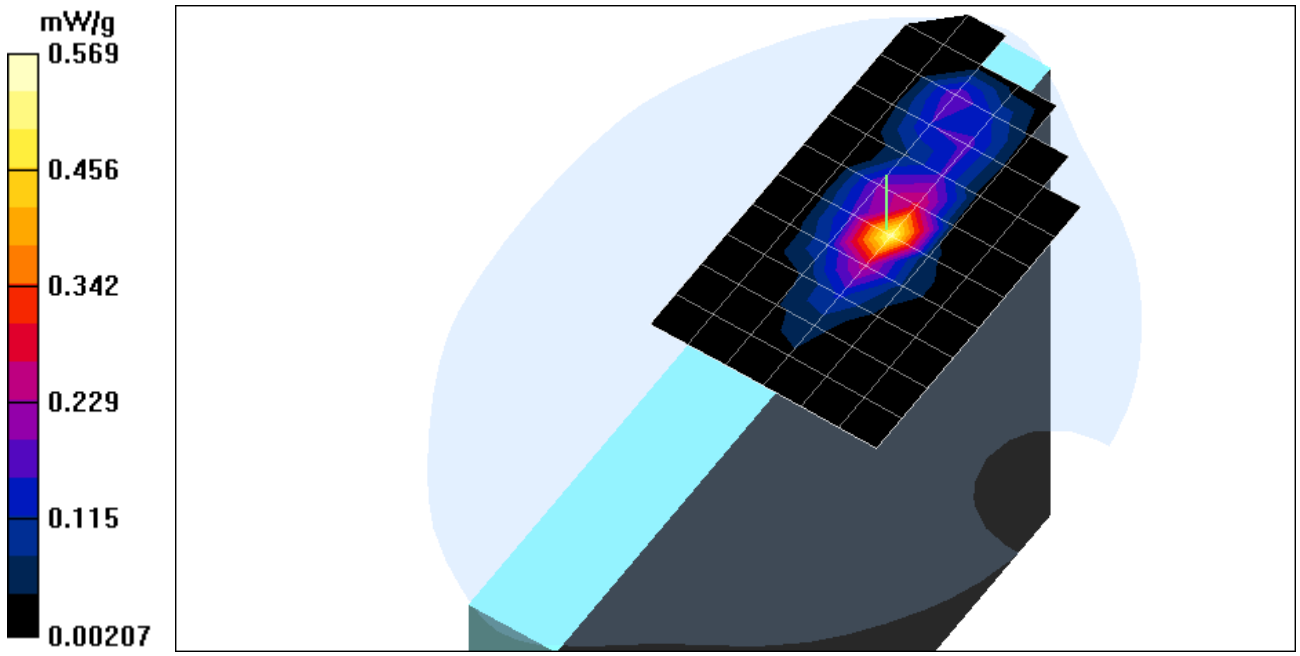
Communication System: DSSS; Frequency: 2437 MHz;Duty Cycle: 1:1
Medium: Muscle 2450 MHz (σ = 1.9587 mho/m, ε_r = 52.5048, ρ = 1000 kg/m^3)
Phantom section: Flat Section

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/Area Scan (7x12x1): Measurement grid: dx=15mm, dy=15mm
Reference Value = 4.55 V/m
Power Drift = 0.15 dB
Maximum value of SAR = 0.529 mW/g

Middle/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Peak SAR (extrapolated) = 1.46 W/kg
SAR(1 g) = 0.461 mW/g; SAR(10 g) = 0.181 mW/g
Reference Value = 4.55 V/m
Power Drift = 0.15 dB
Maximum value of SAR = 0.569 mW/g



Date/Time: 10/07/03 14:18:48

Test Laboratory: Compliance Certification Services
File Name: EUT Setup Configuration 2_Antenna B.da4

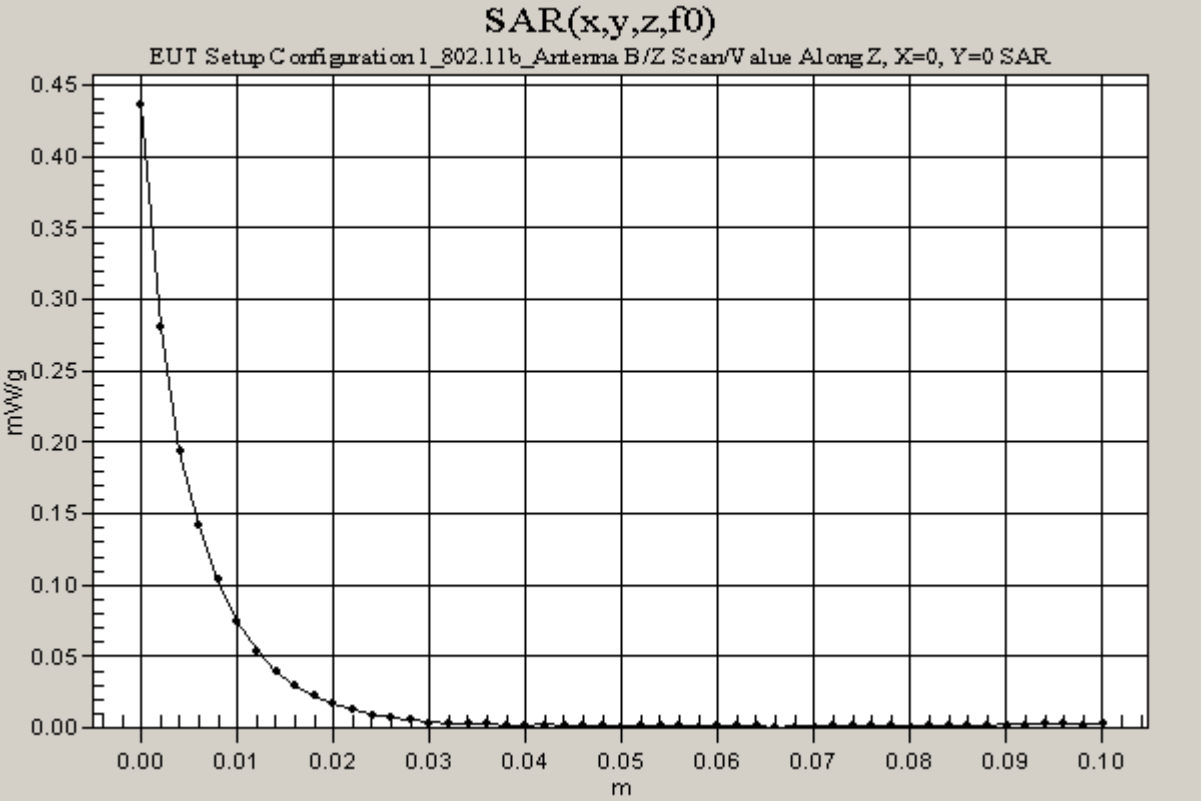
DUT: Toshiba; Type: PA3233U-1MPC; Serial: N/A
Program: EUT Setup Configuration 2_802.11b_Antenna B

Communication System: DSSS; Frequency: 2437 MHz;Duty Cycle: 1:1
Medium: Muscle 2450 MHz (σ = 1.9587 mho/m, ε_r = 52.5048, ρ = 1000 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: 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/Z Scan (1x1x51): Measurement grid: dx=20mm, dy=20mm, dz=2mm
Reference Value = 4.55 V/m
Power Drift = 0.16 dB
Maximum value of SAR = 0.437 mW/g



Date/Time: 10/07/03 14:38:56

Test Laboratory: Compliance Certification Services
File Name: EUT Setup Configuration 2_Antenna B.da4

DUT: Toshiba; Type: PA3233U-1MPC; Serial: N/A
Program: EUT Setup Configuration 2_802.11b_Antenna B
Ambient Temperature: 24.5 deg C; Liquid Temperature: 23.0 deg C

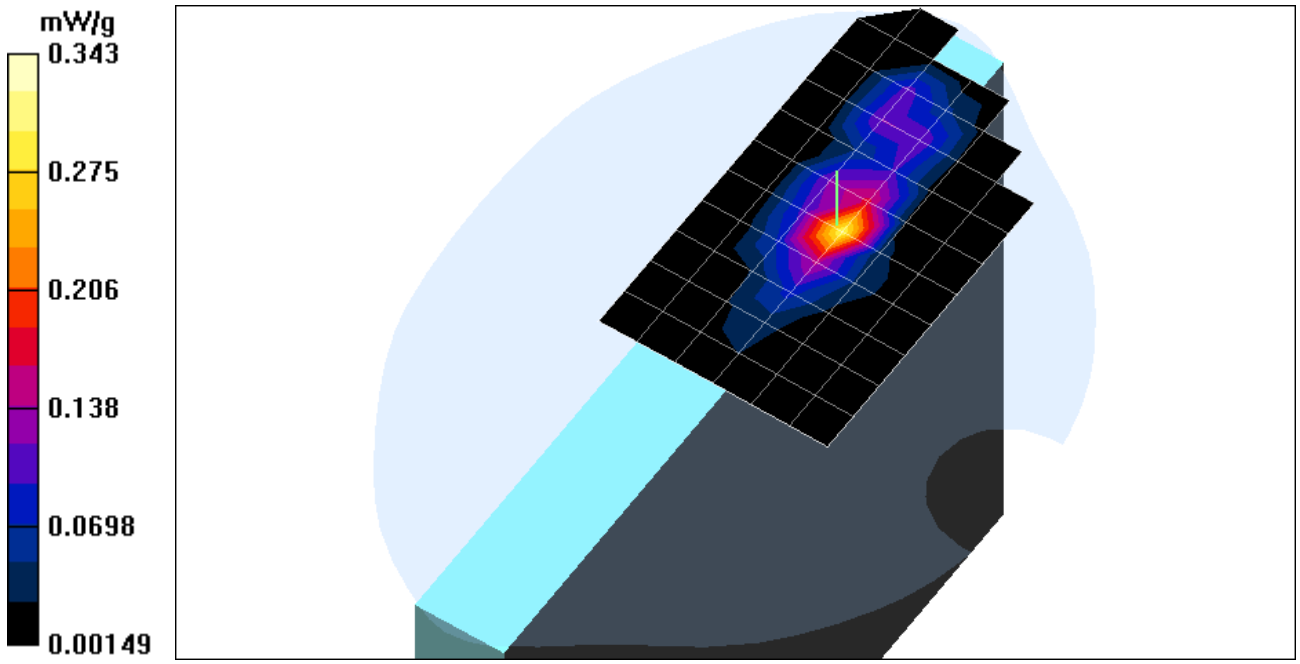
Communication System: DSSS; Frequency: 2462 MHz;Duty Cycle: 1:1
Medium: Muscle 2450 MHz (σ = 1.9587 mho/m, ε_r = 52.5048, ρ = 1000 kg/m^3)
Phantom section: Flat Section

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

High/Area Scan (7x12x1): Measurement grid: dx=15mm, dy=15mm
Reference Value = 3.88 V/m
Power Drift = 0.13 dB
Maximum value of SAR = 0.302 mW/g

High/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Peak SAR (extrapolated) = 0.884 W/kg
SAR(1 g) = 0.277 mW/g; SAR(10 g) = 0.109 mW/g
Reference Value = 3.88 V/m
Power Drift = 0.13 dB
Maximum value of SAR = 0.343 mW/g



Date/Time: 10/07/03 15:17:40

Test Laboratory: Compliance Certification Services
File Name: EUT Setup Configuration 3_Antenna A.da4

DUT: Toshiba; Type: PA3233U-1MPC; Serial: N/A
Program: EUT Setup Configuration 3_802.11b_Antenna A
Ambient Temperature: 24.5 deg C; Liquid Temperature: 23.0 deg C

Communication System: DSSS; Frequency: 2437 MHz;Duty Cycle: 1:1
Medium: Muscle 2450 MHz (σ = 1.9587 mho/m, ε_r = 52.5048, ρ = 1000 kg/m^3)
Phantom section: Flat Section

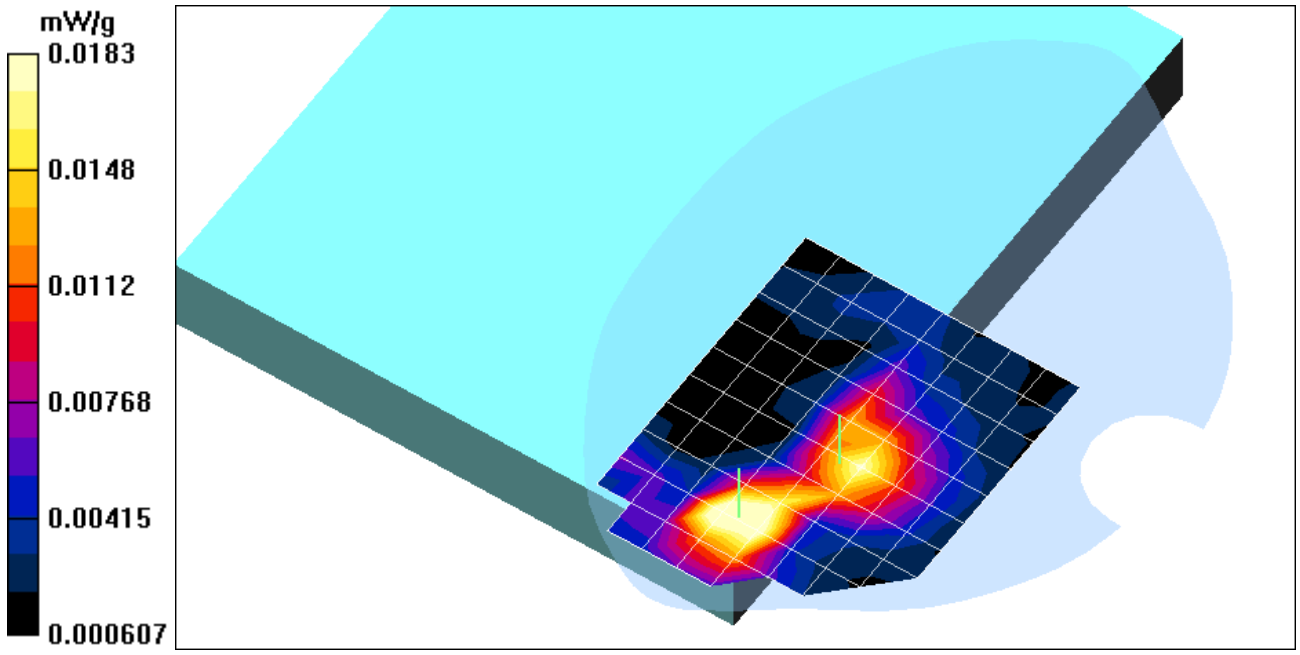
DASY4 Configuration:

- 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/Area Scan (9x11x1): Measurement grid: dx=15mm, dy=15mm

Middle/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Peak SAR (extrapolated) = 0.055 W/kg
SAR(1 g) = 0.024 mW/g; SAR(10 g) = 0.012 mW/g
Reference Value = 1.54 V/m
Power Drift = -0.15 dB
Maximum value of SAR = 0.0252 mW/g

Middle/Zoom Scan (5x5x7)/Cube 1: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Peak SAR (extrapolated) = 0.0477 W/kg
SAR(1 g) = 0.019 mW/g; SAR(10 g) = 0.0104 mW/g
Reference Value = 1.54 V/m
Power Drift = -0.15 dB
Maximum value of SAR = 0.0183 mW/g



Date/Time: 10/07/03 15:17:40

Test Laboratory: Compliance Certification Services
File Name: EUT Setup Configuration 3_Antenna A.da4

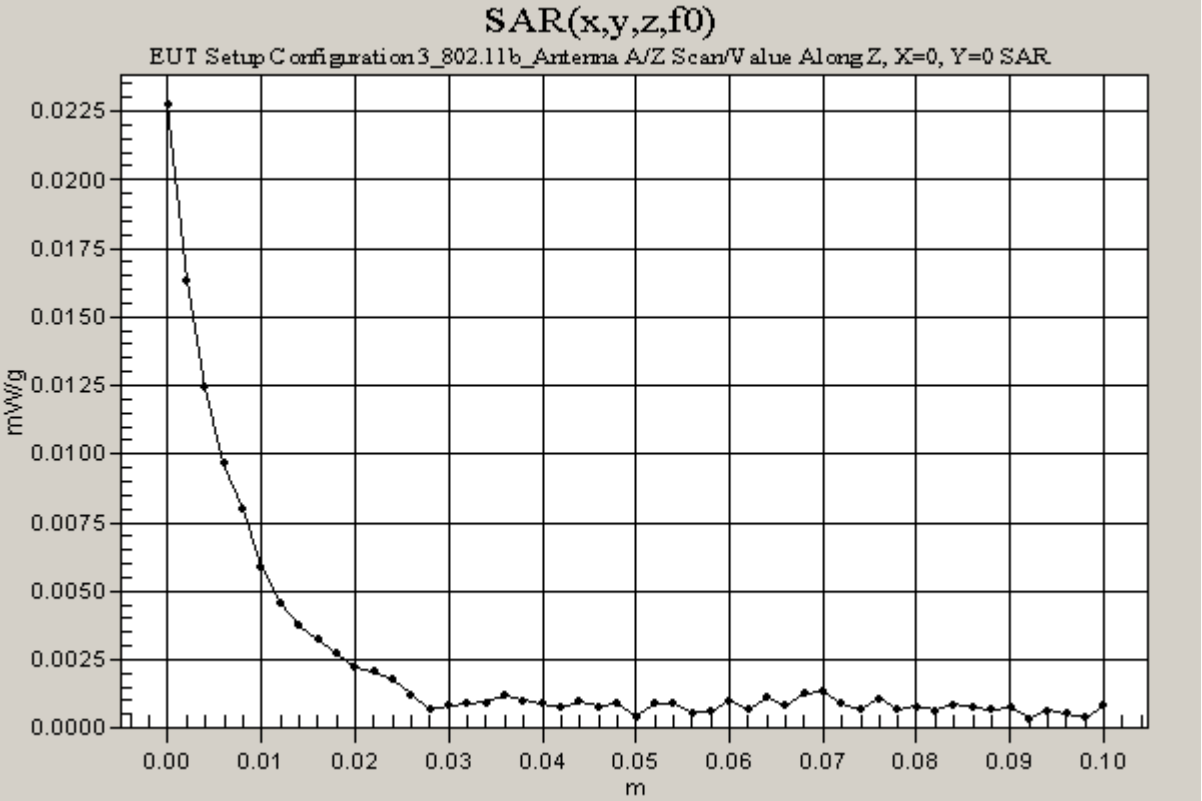
DUT: Toshiba; Type: PA3233U-1MPC; Serial: N/A
Program: EUT Setup Configuration 3_802.11b_Antenna A

Communication System: DSSS; Frequency: 2437 MHz;Duty Cycle: 1:1
Medium: Muscle 2450 MHz (σ = 1.9587 mho/m, ε_r = 52.5048, ρ = 1000 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: 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/Z Scan (1x1x51): Measurement grid: dx=20mm, dy=20mm, dz=2mm
Reference Value = 1.54 V/m
Power Drift = -0.12 dB
Maximum value of SAR = 0.0228 mW/g



Date/Time: 10/07/03 17:02:56

Test Laboratory: Compliance Certification Services
File Name: EUT Setup Configuration 4_Antenna B.da4

DUT: Toshiba; Type: PA3233U-1MPC; Serial: N/A
Program: EUT Setup Configuration 4_802.11b_Antenna B
Ambient Temperature: 24.5 deg C; Liquid Temperature: 23.0 deg C

Communication System: DSSS; Frequency: 2437 MHz;Duty Cycle: 1:1
Medium: Muscle 2450 MHz (σ = 1.9587 mho/m, ε_r = 52.5048, ρ = 1000 kg/m^3)
Phantom section: Flat Section

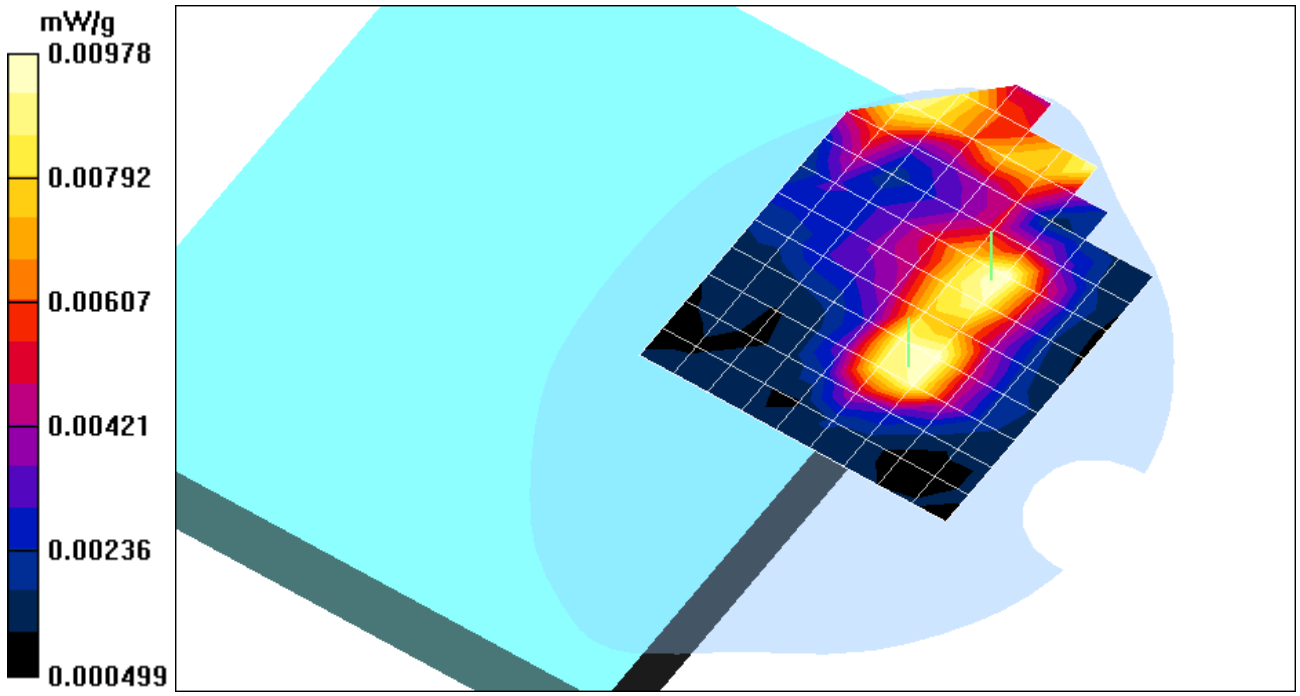
DASY4 Configuration:

- 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/Area Scan (10x13x1): Measurement grid: dx=15mm, dy=15mm

Middle/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Peak SAR (extrapolated) = 0.0234 W/kg
SAR(1 g) = 0.00902 mW/g; SAR(10 g) = 0.00517 mW/g
Reference Value = 1.95 V/m
Power Drift = -0.12 dB
Maximum value of SAR = 0.00854 mW/g

Middle/Zoom Scan (5x5x7)/Cube 1: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Peak SAR (extrapolated) = 0.0202 W/kg
SAR(1 g) = 0.0095 mW/g; SAR(10 g) = 0.00548 mW/g
Reference Value = 1.95 V/m
Power Drift = -0.12 dB
Maximum value of SAR = 0.00978 mW/g



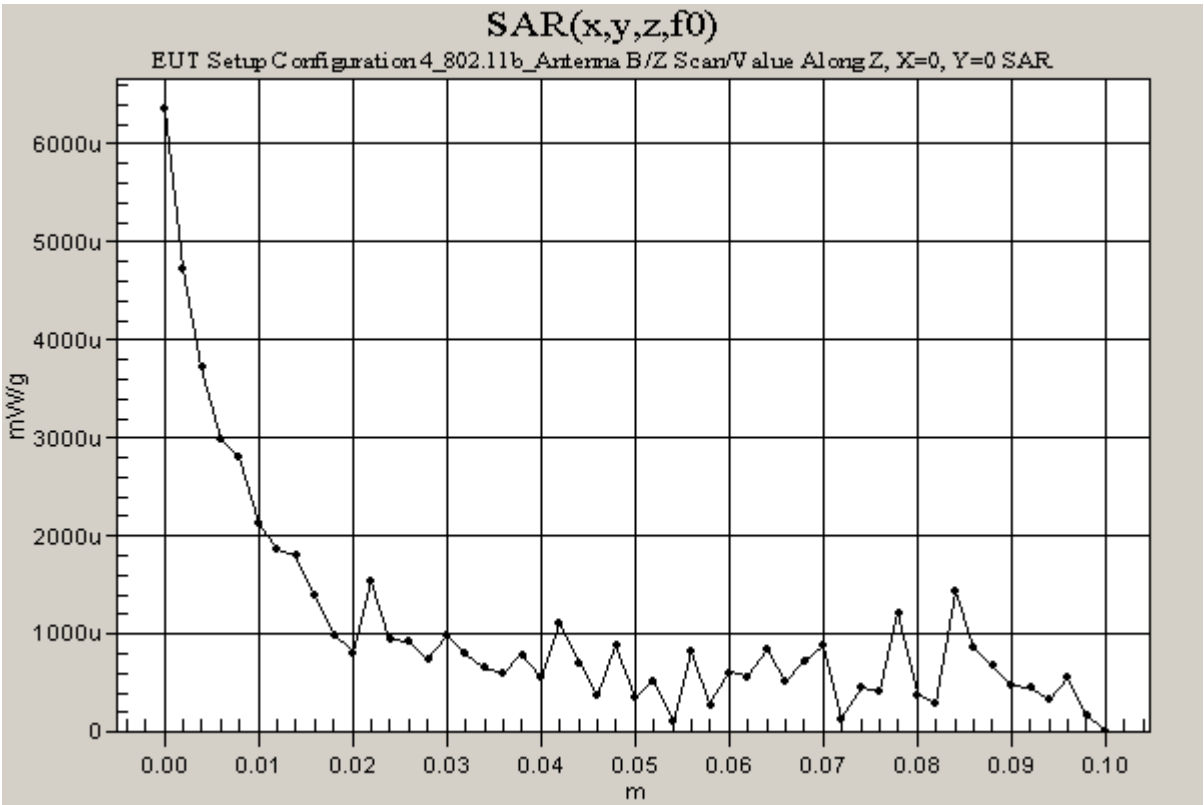
Date/Time: 10/07/03 17:02:56

Test Laboratory: Compliance Certification Services
File Name: EUT Setup Configuration 4_Antenna B.da4

DUT: Toshiba; Type: PA3233U-1MPC; Serial: N/A
Program: EUT Setup Configuration 4_802.11b_Antenna B

Communication System: DSSS; Frequency: 2437 MHz;Duty Cycle: 1:1
Medium: Muscle 2450 MHz (σ = 1.9587 mho/m, ε_r = 52.5048, ρ = 1000 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: 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/Z Scan (1x1x51): Measurement grid: dx=20mm, dy=20mm, dz=2mm
Reference Value = 1.95 V/m
Power Drift = -0.13 dB
Maximum value of SAR = 0.00637 mW/g