

Test Laboratory: The name of your organization
File Name: [Host # 2_Toshiba TECRA 8200_802.11b.da4](#)

DUT: Atheros; Type: AR5BCB-00051; Serial: N/A
Program Name: EUT Configuration 1_802.11b
Ambient Temp.: 24.0 deg. C; Liquid Temp.: 23.0 deg. C

Communication System: Athreos; Frequency: 2412 MHz; Duty Cycle: 1:1
Medium parameters used (interpolated): $f = 2412$ MHz; $\sigma = 1.94$ mho/m; $\epsilon_r = 52.3$; $\rho = 1000$ kg/m³
Phantom section: Flat Section

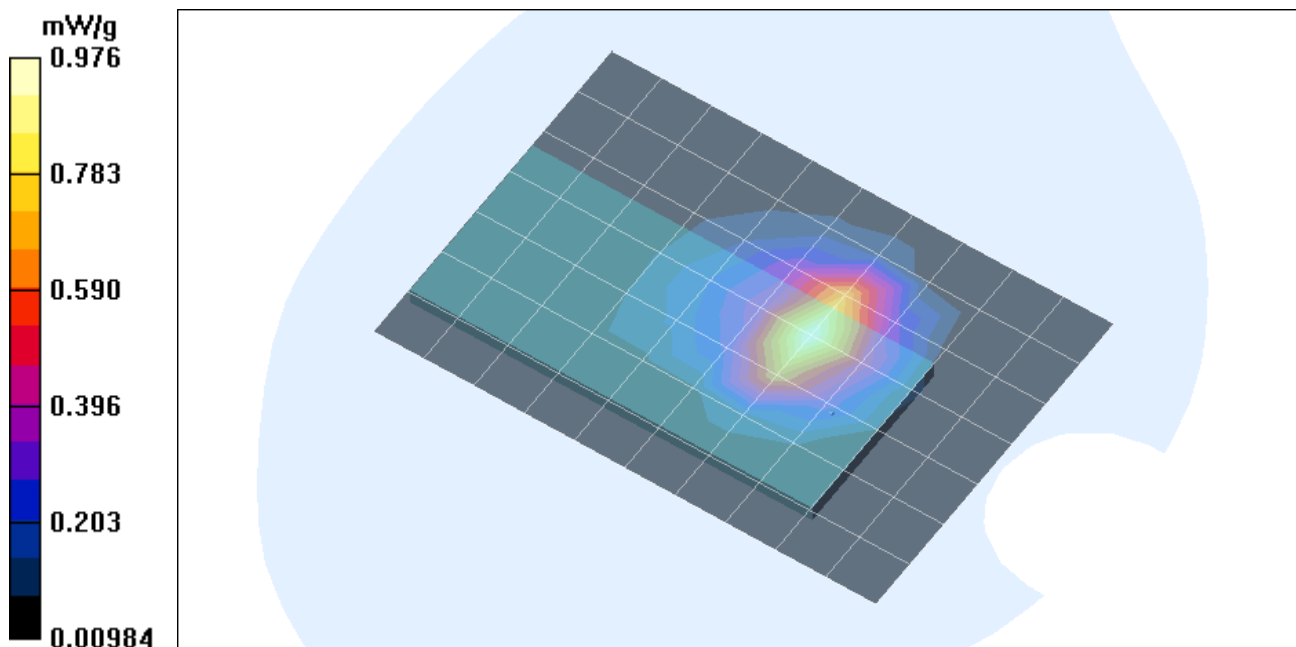
DASY4 Configuration:
- Probe: ES3DV2 - SN3021; ConvF(4.1, 4.1, 4.1); Calibrated: 7/29/2003
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn500; Calibrated: 12/23/2003
- Phantom: SAM 2; Type: SAM 2; Serial: 1050
- Measurement SW: DASY4, V4.2 Build 44; Postprocessing SW: SEMCAD, V1.8 Build 112

Low (Antenna A)/Area Scan (11x8x1): Measurement grid: dx=15mm, dy=15mm
Reference Value = 14.2 V/m; Power Drift = -0.13 dB
Maximum value of SAR (measured) = 0.993 mW/g

[Info: Interpolated medium parameters used for SAR evaluation!](#)

Low (Antenna A)/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 14.2 V/m; Power Drift = -0.13 dB
Maximum value of SAR (measured) = 0.976 mW/g
Peak SAR (extrapolated) = 1.5 W/kg
SAR(1 g) = 0.885 mW/g; SAR(10 g) = 0.477 mW/g

[Info: Interpolated medium parameters used for SAR evaluation!](#)



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DUT: Atheros; Type: AR5BCB-00051; Serial: N/A

Program Name: EUT Configuration 1_802.11b

Communication System: Athreos; Frequency: 2412 MHz; Duty Cycle: 1:1

Medium parameters used (interpolated): $f = 2412$ MHz; $\sigma = 1.94$ mho/m; $\epsilon_r = 52.3$; $\rho = 1000$ kg/m³

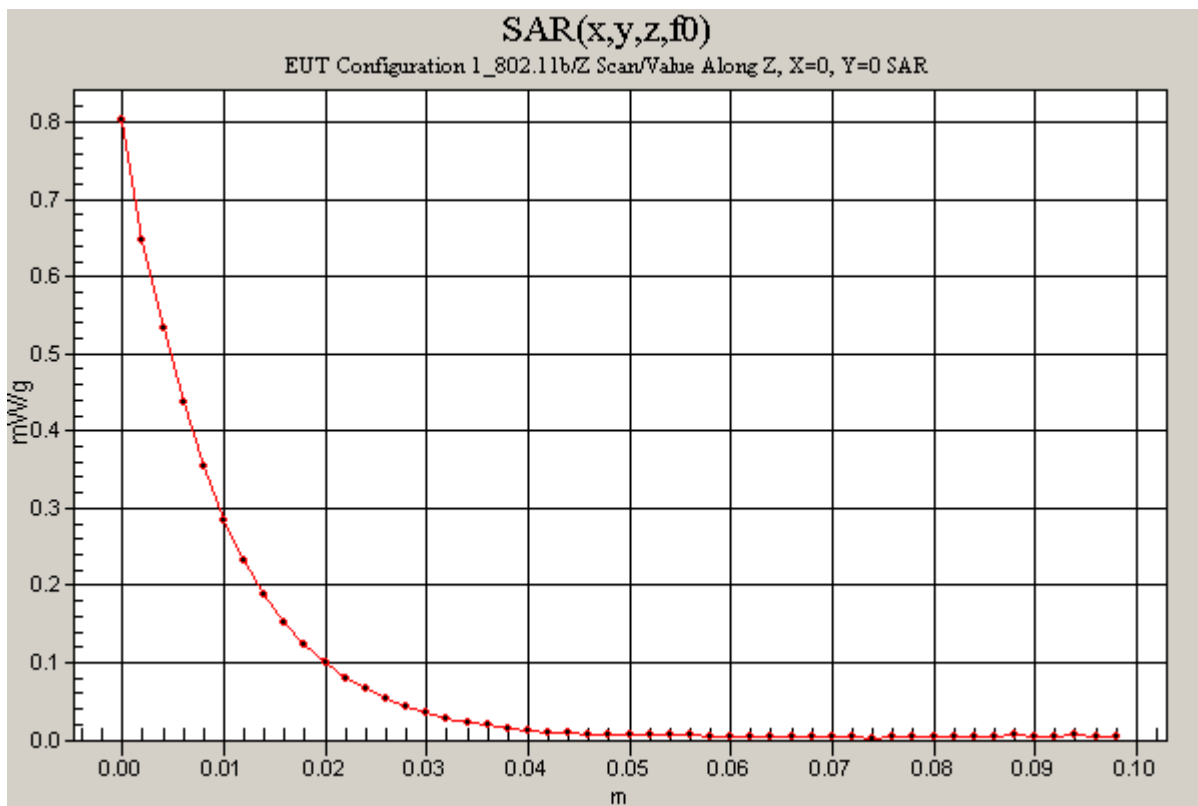
Phantom section: Flat Section

Low (Antenna A)/Z Scan (1x1x51): Measurement grid: dx=20mm, dy=20mm, dz=2mm

Reference Value = 14.2 V/m; Power Drift = -0.14 dB

Maximum value of SAR (measured) = 0.803 mW/g

[Info: Interpolated medium parameters used for SAR evaluation!](#)



Test Laboratory: The name of your organization
 File Name: [Host # 2_Toshiba TECRA 8200.da4](#)

DUT: Atheros; Type: AR5BCB-00051; Serial: N/A
Program Name: EUT Configuration 1_802.11b
Ambient Temp.: 24.0 deg. C; Liquid Temp.: 23.0 deg. C

Communication System: Athreos; Frequency: 2437 MHz; Duty Cycle: 1:1
 Medium parameters used (interpolated): $f = 2437$ MHz; $\sigma = 1.97$ mho/m; $\epsilon_r = 52.3$; $\rho = 1000$ kg/m³
 Phantom section: Flat Section

DASY4 Configuration:

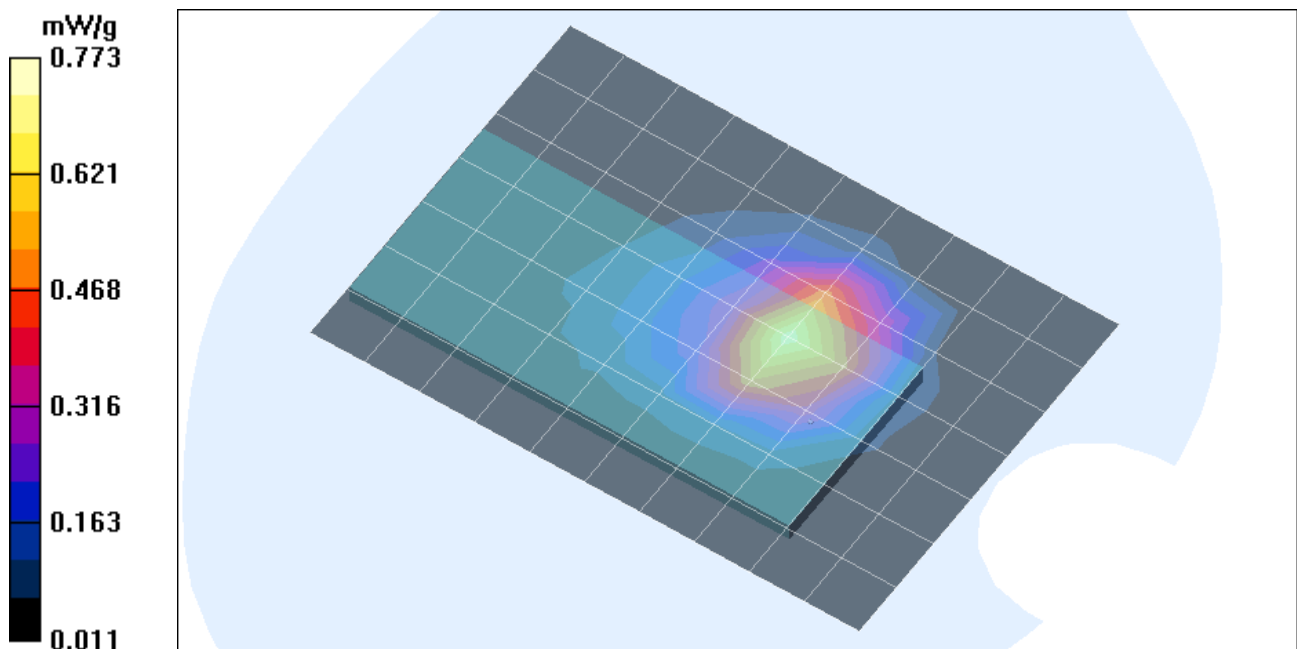
- Probe: ES3DV2 - SN3021; ConvF(4.1, 4.1, 4.1); Calibrated: 7/29/2003
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn500; Calibrated: 12/23/2003
- Phantom: SAM 2; Type: SAM 2; Serial: 1050
- Measurement SW: DASY4, V4.2 Build 44; Postprocessing SW: SEMCAD, V1.8 Build 112

Middle (Antenna A)/Area Scan (11x8x1): Measurement grid: dx=15mm, dy=15mm
 Reference Value = 12.8 V/m; Power Drift = 0.1 dB
 Maximum value of SAR (measured) = 0.709 mW/g

[Info: Interpolated medium parameters used for SAR evaluation!](#)

Middle (Antenna A)/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
 Reference Value = 12.8 V/m; Power Drift = 0.1 dB
 Maximum value of SAR (measured) = 0.773 mW/g
 Peak SAR (extrapolated) = 1.17 W/kg
SAR(1 g) = 0.698 mW/g; SAR(10 g) = 0.381 mW/g

[Info: Interpolated medium parameters used for SAR evaluation!](#)



Test Laboratory: The name of your organization
File Name: [Host # 2_Toshiba TECRA 8200_802.11b.da4](#)

DUT: Atheros; Type: AR5BCB-00051; Serial: N/A
Program Name: EUT Configuration 1_802.11b
Ambient Temp.: 24.0 deg. C; Liquid Temp.: 23.0 deg. C

Communication System: Athreos; Frequency: 2462 MHz; Duty Cycle: 1:1
Medium parameters used (interpolated): $f = 2462$ MHz; $\sigma = 2$ mho/m; $\epsilon_r = 52.1$; $\rho = 1000$ kg/m³
Phantom section: Flat Section

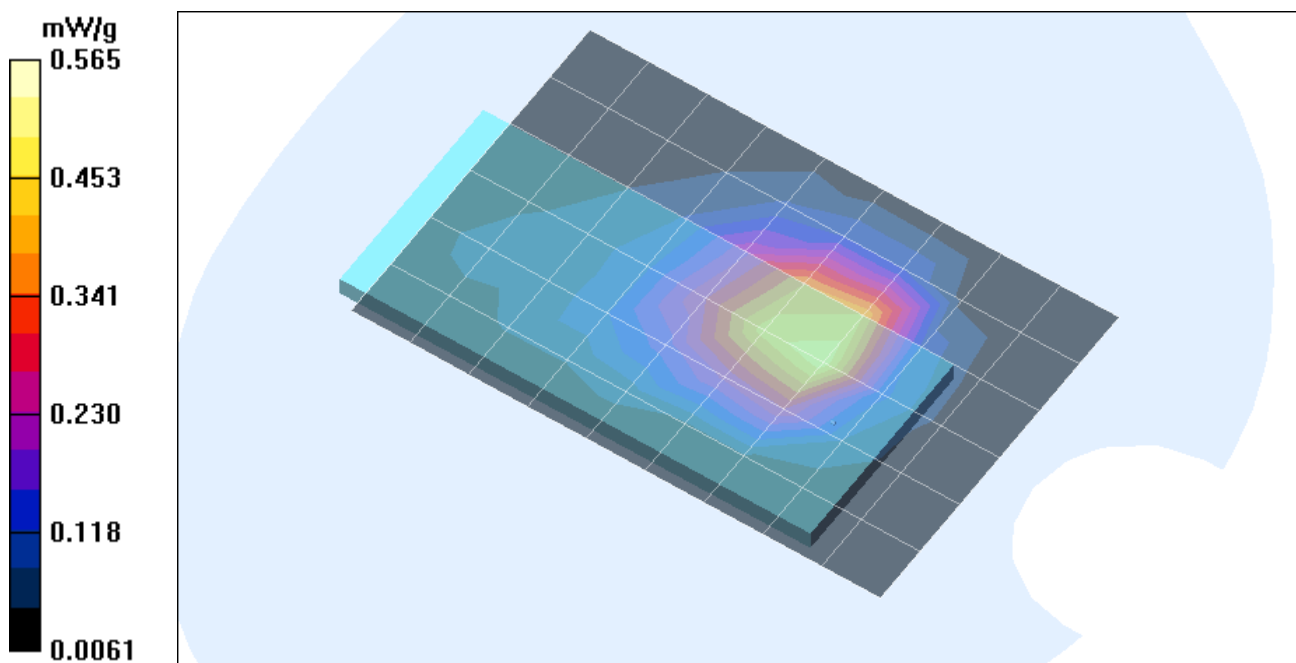
DASY4 Configuration:
- Probe: ES3DV2 - SN3021; ConvF(4.1, 4.1, 4.1); Calibrated: 7/29/2003
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn500; Calibrated: 12/23/2003
- Phantom: SAM 2; Type: SAM 2; Serial: 1050
- Measurement SW: DASY4, V4.2 Build 44; Postprocessing SW: SEMCAD, V1.8 Build 112

High 1 (Antenna A)/Area Scan (10x7x1): Measurement grid: dx=15mm, dy=15mm
Reference Value = 12.4 V/m; Power Drift = -0.1 dB
Maximum value of SAR (measured) = 0.484 mW/g

[Info: Interpolated medium parameters used for SAR evaluation!](#)

High 1 (Antenna A)/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 12.4 V/m; Power Drift = -0.1 dB
Maximum value of SAR (measured) = 0.565 mW/g
Peak SAR (extrapolated) = 0.885 W/kg
SAR(1 g) = 0.528 mW/g; SAR(10 g) = 0.291 mW/g

[Info: Interpolated medium parameters used for SAR evaluation!](#)



Test Laboratory: The name of your organization
File Name: [Host # 2_Toshiba TECRA 8200_802.11b.da4](#)

DUT: Atheros; Type: AR5BCB-00051; Serial: N/A
Program Name: EUT Configuration 1_802.11b
Ambient Temp.: 24.0 deg. C; Liquid Temp.: 23.0 deg. C

Communication System: Athreos; Frequency: 2412 MHz; Duty Cycle: 1:1
Medium parameters used (interpolated): $f = 2412$ MHz; $\sigma = 1.94$ mho/m; $\epsilon_r = 52.3$; $\rho = 1000$ kg/m³
Phantom section: Flat Section

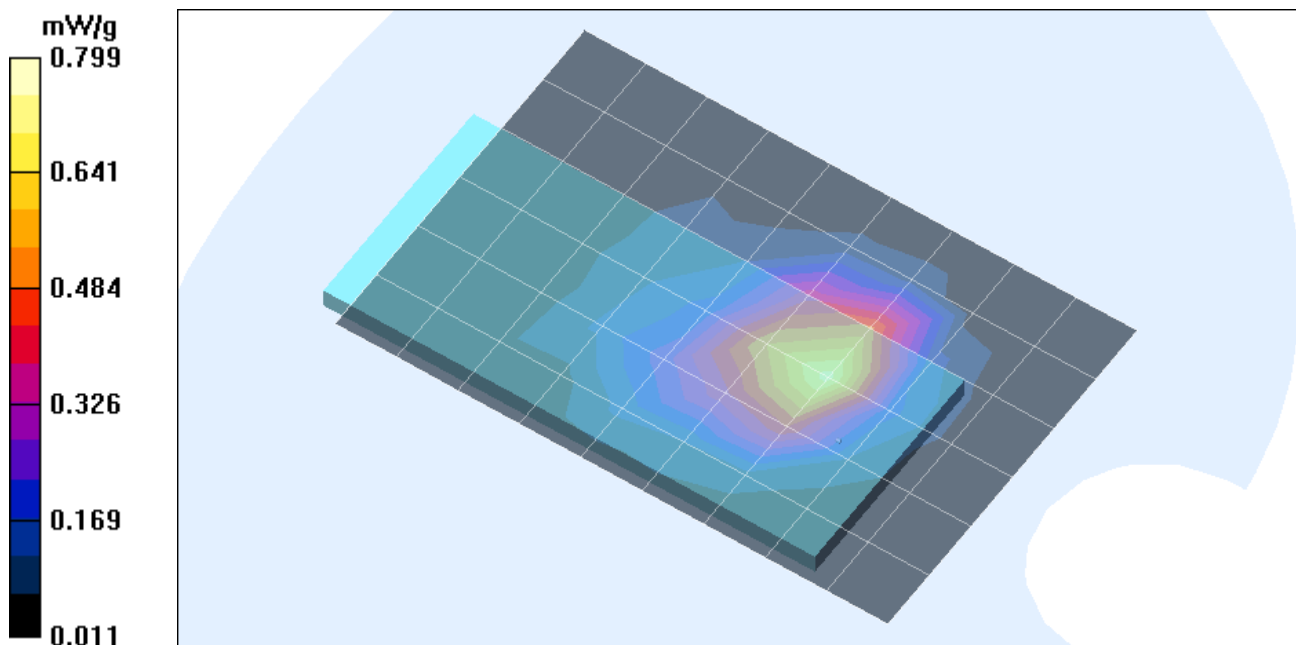
DASY4 Configuration:
- Probe: ES3DV2 - SN3021; ConvF(4.1, 4.1, 4.1); Calibrated: 7/29/2003
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn500; Calibrated: 12/23/2003
- Phantom: SAM 2; Type: SAM 2; Serial: 1050
- Measurement SW: DASY4, V4.2 Build 44; Postprocessing SW: SEMCAD, V1.8 Build 112

Low (Antenna B)/Area Scan (10x7x1): Measurement grid: dx=15mm, dy=15mm
Reference Value = 12.4 V/m; Power Drift = -0.13 dB
Maximum value of SAR (measured) = 0.723 mW/g

[Info: Interpolated medium parameters used for SAR evaluation!](#)

Low (Antenna B)/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 12.4 V/m; Power Drift = -0.13 dB
Maximum value of SAR (measured) = 0.799 mW/g
Peak SAR (extrapolated) = 1.23 W/kg
SAR(1 g) = 0.726 mW/g; SAR(10 g) = 0.396 mW/g

[Info: Interpolated medium parameters used for SAR evaluation!](#)



Test Laboratory: The name of your organization

File Name: [Host # 2_Toshiba TECRA 8200_802.11b.da4](#)

DUT: Atheros; Type: AR5BCB-00051; Serial: N/A

Program Name: EUT Configuration 1_802.11b

Ambient Temp.: 24.0 deg. C; Liquid Temp.: 23.0 deg. C

Communication System: Athreos; Frequency: 2437 MHz; Duty Cycle: 1:1

Medium parameters used (interpolated): $f = 2437$ MHz; $\sigma = 1.97$ mho/m; $\epsilon_r = 52.3$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY4 Configuration:

- Probe: ES3DV2 - SN3021; ConvF(4.1, 4.1, 4.1); Calibrated: 7/29/2003

- Sensor-Surface: 4mm (Mechanical Surface Detection)

- Electronics: DAE3 Sn500; Calibrated: 12/23/2003

- Phantom: SAM 2; Type: SAM 2; Serial: 1050

- Measurement SW: DASY4, V4.2 Build 44; Postprocessing SW: SEMCAD, V1.8 Build 112

Middle (Antenna B)/Area Scan (11x8x1): Measurement grid: dx=15mm, dy=15mm

Reference Value = 13.8 V/m; Power Drift = -0.13 dB

Maximum value of SAR (measured) = 0.698 mW/g

[Info: Interpolated medium parameters used for SAR evaluation!](#)

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

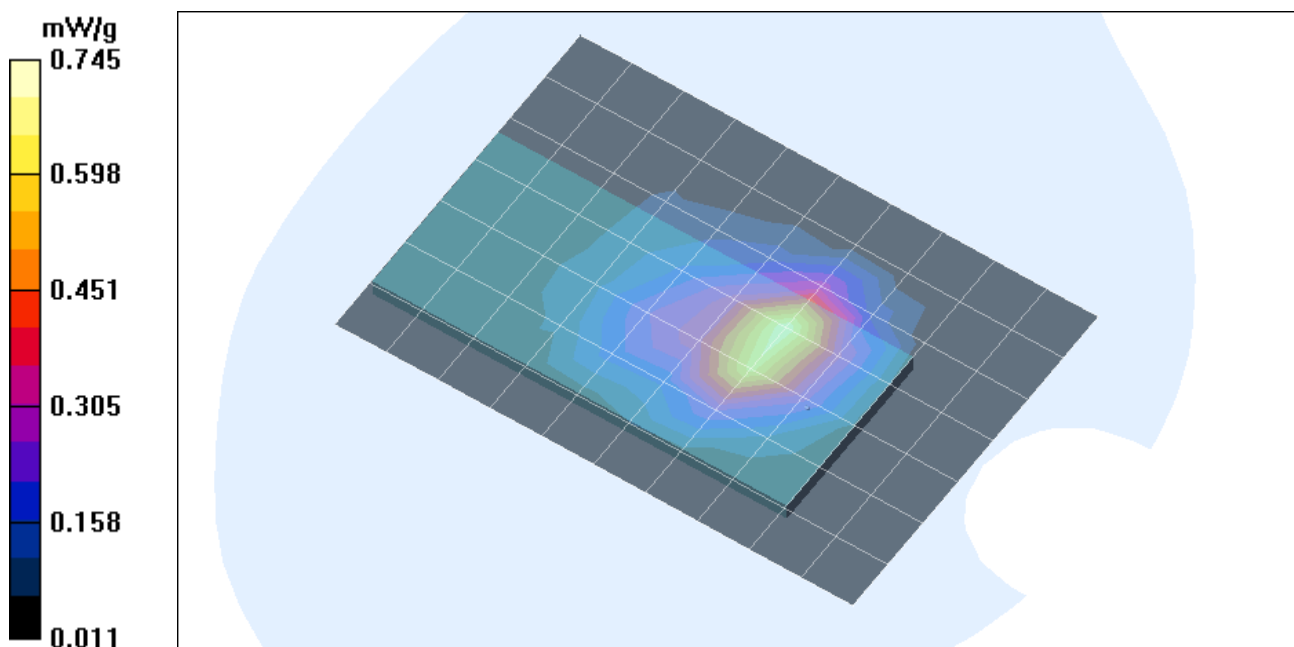
Reference Value = 13.8 V/m; Power Drift = -0.13 dB

Maximum value of SAR (measured) = 0.745 mW/g

Peak SAR (extrapolated) = 1.14 W/kg

SAR(1 g) = 0.674 mW/g; SAR(10 g) = 0.368 mW/g

[Info: Interpolated medium parameters used for SAR evaluation!](#)



Test Laboratory: The name of your organization

File Name: [Host # 2_Toshiba TECRA 8200_802.11g.da4](#)

DUT: Atheros; Type: AR5BCB-00051; Serial: N/A

Program Name: EUT Configuration 1_802.11g

Ambient Temp.: 24.0 deg. C; Liquid Temp.: 23.0 deg. C

Communication System: Athreos; Frequency: 2437 MHz; Duty Cycle: 1:1

Medium parameters used (interpolated): $f = 2437$ MHz; $\sigma = 1.97$ mho/m; $\epsilon_r = 52.3$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY4 Configuration:

- Probe: ES3DV2 - SN3021; ConvF(4.1, 4.1, 4.1); Calibrated: 7/29/2003

- Sensor-Surface: 4mm (Mechanical Surface Detection)

- Electronics: DAE3 Sn500; Calibrated: 12/23/2003

- Phantom: SAM 2; Type: SAM 2; Serial: 1050

- Measurement SW: DASY4, V4.2 Build 44; Postprocessing SW: SEMCAD, V1.8 Build 112

Middle (Antenna A)/Area Scan (10x7x1): Measurement grid: dx=15mm, dy=15mm

Reference Value = 14.2 V/m; Power Drift = -0.12 dB

Maximum value of SAR (measured) = 0.689 mW/g

[Info: Interpolated medium parameters used for SAR evaluation!](#)

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

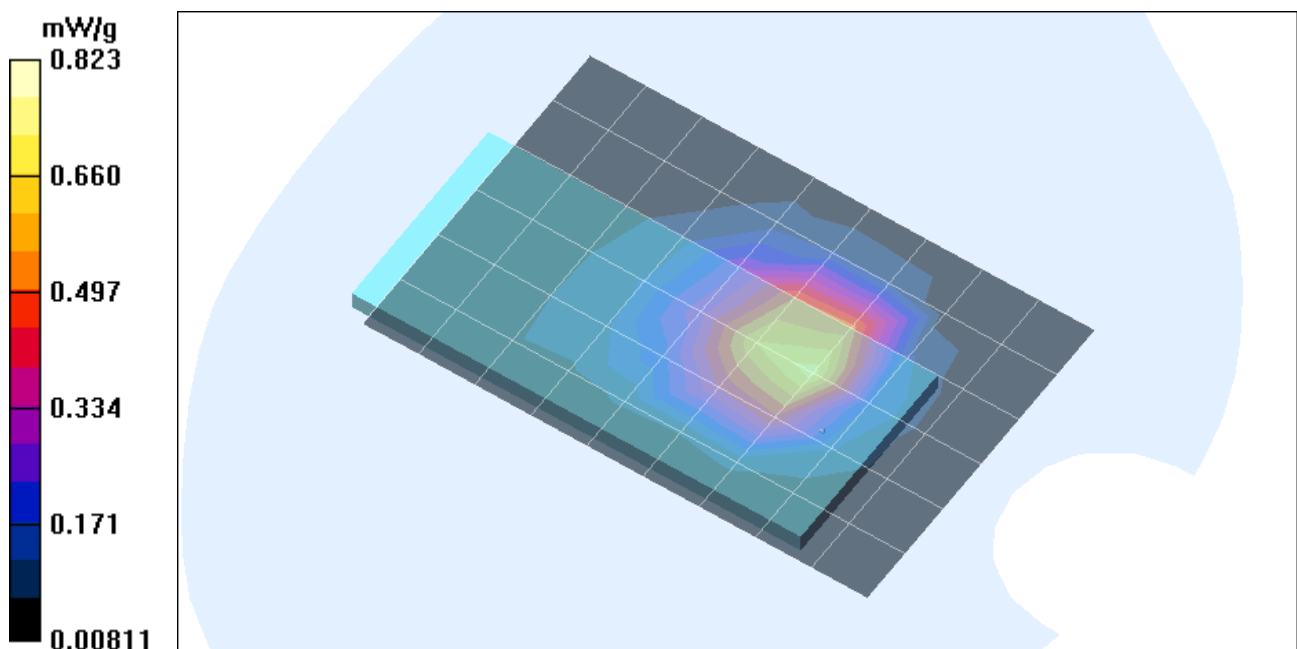
Reference Value = 14.2 V/m; Power Drift = -0.12 dB

Maximum value of SAR (measured) = 0.823 mW/g

Peak SAR (extrapolated) = 1.27 W/kg

SAR(1 g) = 0.750 mW/g; SAR(10 g) = 0.411 mW/g

[Info: Interpolated medium parameters used for SAR evaluation!](#)



Test Laboratory: The name of your organization

File Name: [Host # 2_Toshiba TECRA 8200_802.11g.da4](#)

DUT: Atheros; Type: AR5BCB-00051; Serial: N/A

Program Name: EUT Configuration 1_802.11g

Communication System: Athreos; Frequency: 2437 MHz; Duty Cycle: 1:1

Medium parameters used (interpolated): $f = 2437$ MHz; $\sigma = 1.97$ mho/m; $\epsilon_r = 52.3$; $\rho = 1000$ kg/m³

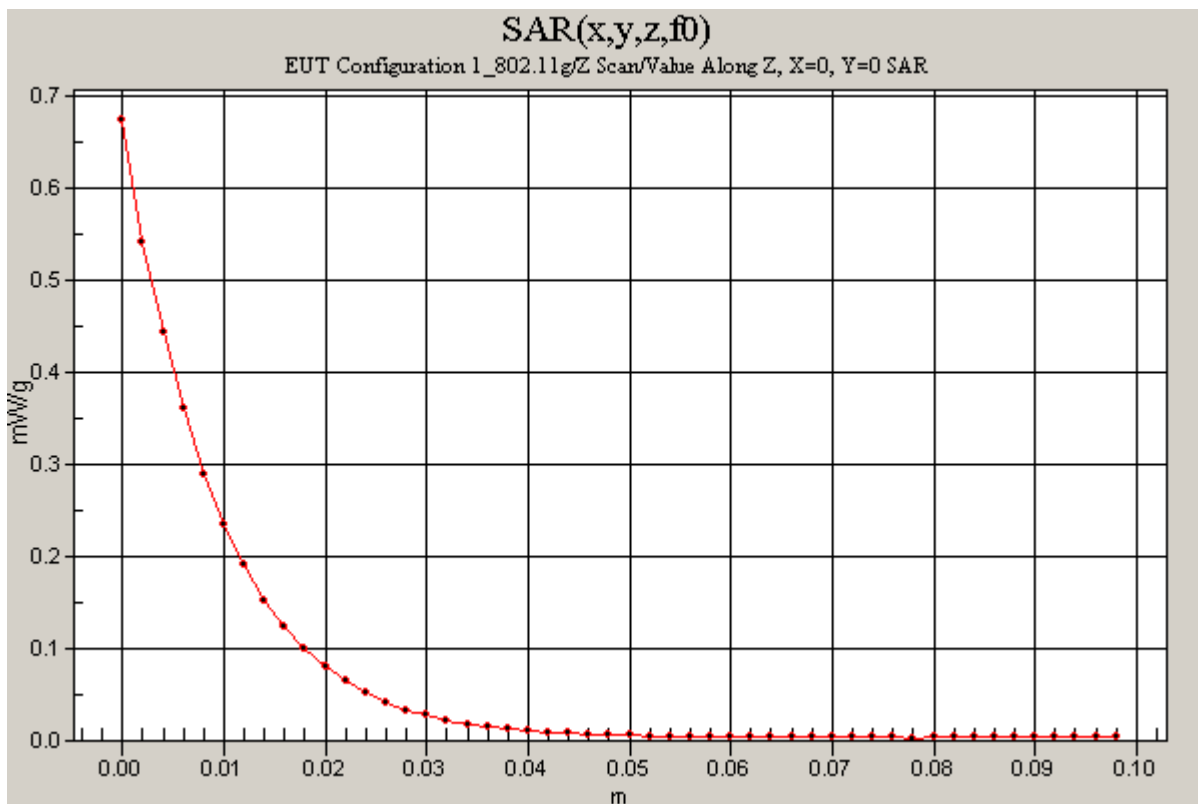
Phantom section: Flat Section

Middle (Antenna A)/Z Scan (1x1x51): Measurement grid: dx=20mm, dy=20mm, dz=2mm

Reference Value = 14.2 V/m; Power Drift = -0.13 dB

Maximum value of SAR (measured) = 0.674 mW/g

[Info: Interpolated medium parameters used for SAR evaluation!](#)



Test Laboratory: The name of your organization
File Name: [Host # 2_Toshiba TECRA 8200_802.11g.da4](#)

DUT: Atheros; Type: AR5BCB-00051; Serial: N/A
Program Name: EUT Configuration 1_802.11g
Ambient Temp.: 24.0 deg. C; Liquid Temp.: 23.0 deg. C

Communication System: Athreos; Frequency: 2437 MHz; Duty Cycle: 1:1
Medium parameters used (interpolated): $f = 2437$ MHz; $\sigma = 1.97$ mho/m; $\epsilon_r = 52.3$; $\rho = 1000$ kg/m³
Phantom section: Flat Section

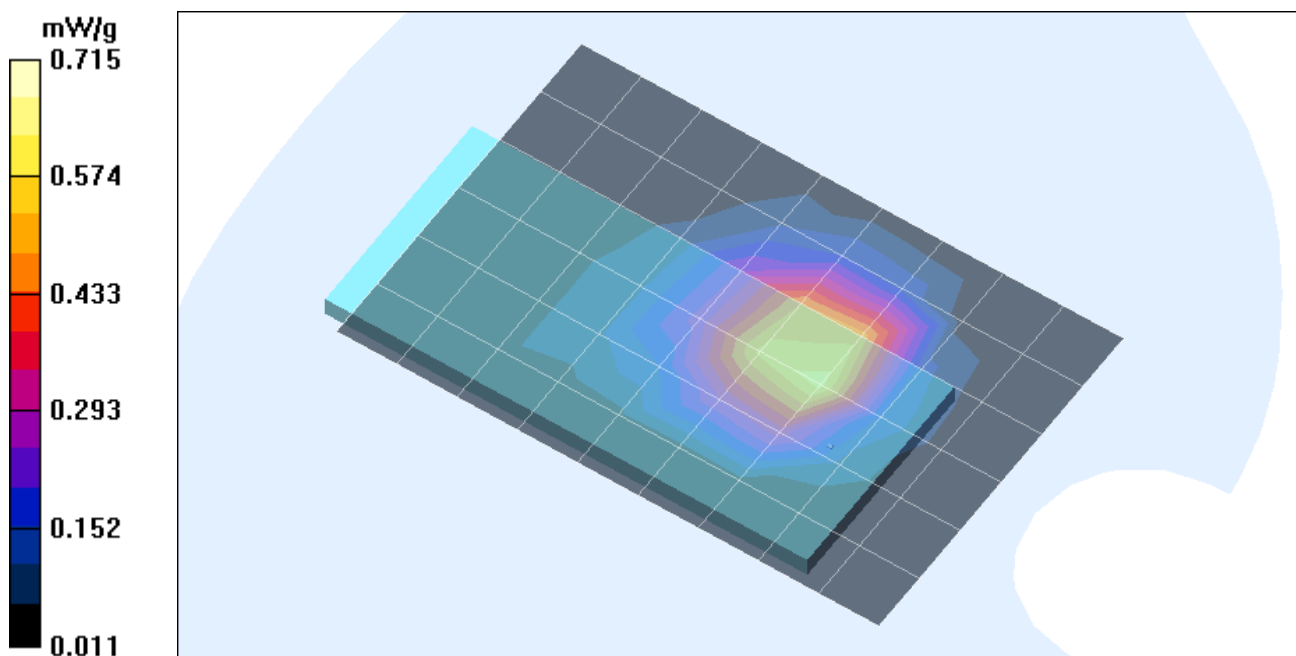
DASY4 Configuration:
- Probe: ES3DV2 - SN3021; ConvF(4.1, 4.1, 4.1); Calibrated: 7/29/2003
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn500; Calibrated: 12/23/2003
- Phantom: SAM 2; Type: SAM 2; Serial: 1050
- Measurement SW: DASY4, V4.2 Build 44; Postprocessing SW: SEMCAD, V1.8 Build 112

Turbo (Antenna A)/Area Scan (10x7x1): Measurement grid: dx=15mm, dy=15mm
Reference Value = 13.5 V/m; Power Drift = -0.14 dB
Maximum value of SAR (measured) = 0.597 mW/g

[Info: Interpolated medium parameters used for SAR evaluation!](#)

Turbo (Antenna A)/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 13.5 V/m; Power Drift = -0.14 dB
Maximum value of SAR (measured) = 0.715 mW/g
Peak SAR (extrapolated) = 1.11 W/kg
SAR(1 g) = 0.654 mW/g; SAR(10 g) = 0.357 mW/g

[Info: Interpolated medium parameters used for SAR evaluation!](#)



Test Laboratory: The name of your organization

File Name: [Host # 2_Toshiba TECRA 8200_802.11g.da4](#)

DUT: Atheros; Type: AR5BCB-00051; Serial: N/A

Program Name: EUT Configuration 1_802.11g

Ambient Temp.: 24.0 deg. C; Liquid Temp.: 23.0 deg. C

Communication System: Athreos; Frequency: 2437 MHz; Duty Cycle: 1:1

Medium parameters used (interpolated): $f = 2437$ MHz; $\sigma = 1.97$ mho/m; $\epsilon_r = 52.3$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY4 Configuration:

- Probe: ES3DV2 - SN3021; ConvF(4.1, 4.1, 4.1); Calibrated: 7/29/2003

- Sensor-Surface: 4mm (Mechanical Surface Detection)

- Electronics: DAE3 Sn500; Calibrated: 12/23/2003

- Phantom: SAM 2; Type: SAM 2; Serial: 1050

- Measurement SW: DASY4, V4.2 Build 44; Postprocessing SW: SEMCAD, V1.8 Build 112

Middle (Antenna B)/Area Scan (10x7x1): Measurement grid: dx=15mm, dy=15mm

Reference Value = 14 V/m; Power Drift = -0.12 dB

Maximum value of SAR (measured) = 0.580 mW/g

[Info: Interpolated medium parameters used for SAR evaluation!](#)

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

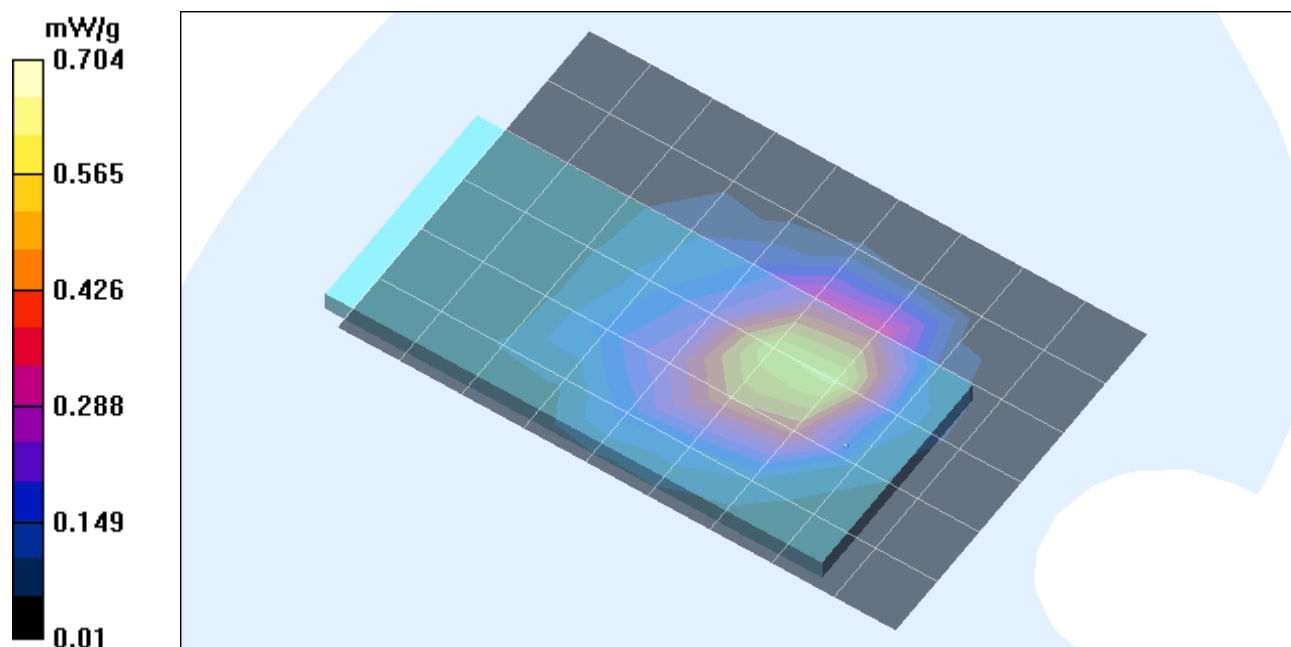
Reference Value = 14 V/m; Power Drift = -0.12 dB

Maximum value of SAR (measured) = 0.704 mW/g

Peak SAR (extrapolated) = 1.09 W/kg

SAR(1 g) = 0.636 mW/g; SAR(10 g) = 0.348 mW/g

[Info: Interpolated medium parameters used for SAR evaluation!](#)



Test Laboratory: The name of your organization

File Name: [Host # 2_Toshiba TECRA 8200_802.11g.da4](#)

DUT: Atheros; Type: AR5BCB-00051; Serial: N/A

Program Name: EUT Configuration 1_802.11g

Ambient Temp.: 24.0 deg. C; Liquid Temp.: 23.0 deg. C

Communication System: Athreos; Frequency: 2437 MHz; Duty Cycle: 1:1

Medium parameters used (interpolated): $f = 2437$ MHz; $\sigma = 1.97$ mho/m; $\epsilon_r = 52.3$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY4 Configuration:

- Probe: ES3DV2 - SN3021; ConvF(4.1, 4.1, 4.1); Calibrated: 7/29/2003

- Sensor-Surface: 4mm (Mechanical Surface Detection)

- Electronics: DAE3 Sn500; Calibrated: 12/23/2003

- Phantom: SAM 2; Type: SAM 2; Serial: 1050

- Measurement SW: DASY4, V4.2 Build 44; Postprocessing SW: SEMCAD, V1.8 Build 112

Turbo (Antenna B)/Area Scan (10x7x1): Measurement grid: dx=15mm, dy=15mm

Reference Value = 12.5 V/m; Power Drift = -0.12 dB

Maximum value of SAR (measured) = 0.554 mW/g

[Info: Interpolated medium parameters used for SAR evaluation!](#)

Turbo (Antenna B)/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm

Reference Value = 12.5 V/m; Power Drift = -0.12 dB

Maximum value of SAR (measured) = 0.604 mW/g

Peak SAR (extrapolated) = 0.946 W/kg

SAR(1 g) = 0.559 mW/g; SAR(10 g) = 0.306 mW/g

[Info: Interpolated medium parameters used for SAR evaluation!](#)

