

Test Laboratory: Compliance Certification Services

File Name: [1_EUT Setup Configuration 1 \(Main antenna\).da4](#)

DUT: Broadcom; Type: BCM94309MPCO; Serial: N/A
Program Name: 1_EUT Setup Configuration 1 (Main antenna)
Ambient Temp.: 25.0 deg. C; Liquid Temp.: 23.0 deg. C

Communication System: 802.11bg; Frequency: 2437 MHz; Duty Cycle: 1:1

Medium parameters used (interpolated): $f = 2437$ MHz; $\sigma = 1.99$ mho/m; $\epsilon_r = 52.2$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY4 Configuration:

- Probe: EX3DV3 - SN3531; ConvF(8.32, 8.32, 8.32); Calibrated: 7/18/2004

- Sensor-Surface: 1.5mm (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

11b_M-ch/Area Scan (11x13x1): Measurement grid: dx=15mm, dy=15mm

Reference Value = 3.34 V/m; Power Drift = -0.1 dB

Maximum value of SAR (measured) = 0.059 mW/g

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

11b_M-ch/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm

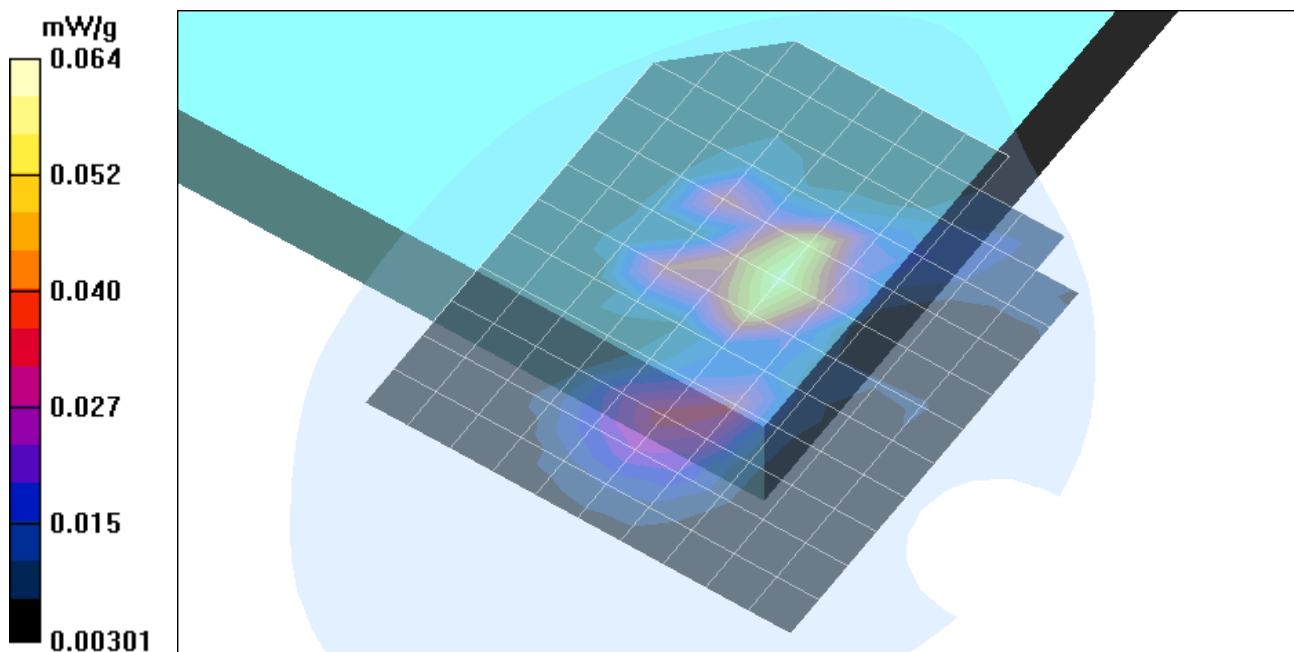
Reference Value = 3.34 V/m; Power Drift = -0.1 dB

Maximum value of SAR (measured) = 0.064 mW/g

Peak SAR (extrapolated) = 0.078 W/kg

SAR(1 g) = 0.043 mW/g; SAR(10 g) = 0.026 mW/g

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



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File Name: [1_EUT Setup Configuration 1 \(Main antenna\).da4](#)

DUT: Broadcom; Type: BCM94309MPCO; Serial: N/A
Program Name: 1_EUT Setup Configuration 1 (Main antenna)

Communication System: 802.11bg; Frequency: 2437 MHz; Duty Cycle: 1:1

Medium parameters used (interpolated): $f = 2437$ MHz; $\sigma = 1.99$ mho/m; $\epsilon_r = 52.2$; $\rho = 1000$ kg/m³

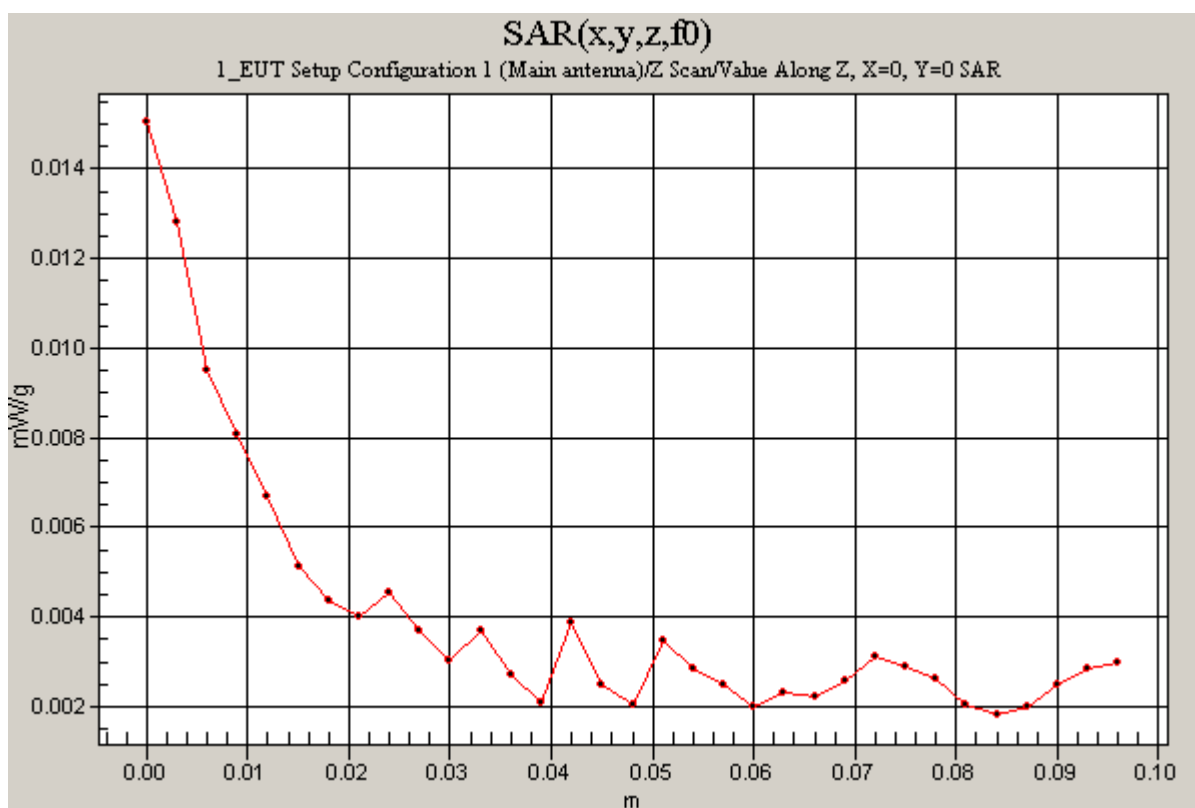
Phantom section: Flat Section

11b_M-ch/Z Scan (1x1x34): Measurement grid: dx=20mm, dy=20mm, dz=3mm

Reference Value = 3.34 V/m; Power Drift = 0.0 dB

Maximum value of SAR (measured) = 0.015 mW/g

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



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File Name: [1_EUT Setup Configuration 1 \(Main antenna\).da4](#)

DUT: Broadcom; Type: BCM94309MPCO; Serial: N/A
Program Name: 1_EUT Setup Configuration 1 (Main antenna)
Ambient Temp.: 25.0 deg. C; Liquid Temp.: 24.0 deg. C

Communication System: 802.11bg; Frequency: 2437 MHz; Duty Cycle: 1:1.053

Medium parameters used (interpolated): $f = 2437$ MHz; $\sigma = 1.99$ mho/m; $\epsilon_r = 52.2$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY4 Configuration:

- Probe: EX3DV3 - SN3531; ConvF(8.32, 8.32, 8.32); Calibrated: 7/18/2004
- Sensor-Surface: 1.5mm (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

11g_M-ch/Area Scan (11x13x1): Measurement grid: dx=15mm, dy=15mm

Reference Value = 1.57 V/m; Power Drift = 0.1 dB

Maximum value of SAR (measured) = 0.015 mW/g

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

11g_M-ch/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm

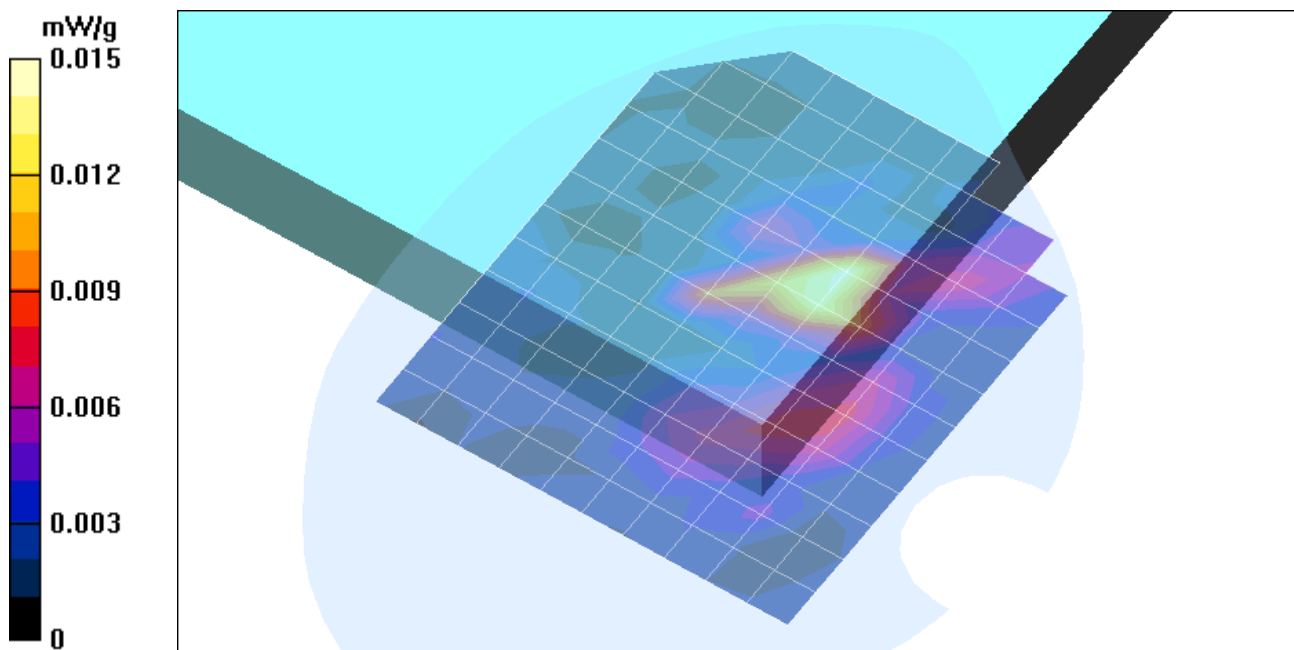
Reference Value = 1.57 V/m; Power Drift = 0.1 dB

Maximum value of SAR (measured) = 0.025 mW/g

Peak SAR (extrapolated) = 0.033 W/kg

SAR(1 g) = 0.015 mW/g; SAR(10 g) = 0.00895 mW/g

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



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File Name: [1_EUT Setup Configuration 1 \(Main antenna\).da4](#)

DUT: Broadcom; Type: BCM94309MPCO; Serial: N/A

Program Name: 1_EUT Setup Configuration 1 (Main antenna)

Communication System: 802.11bg; Frequency: 2437 MHz; Duty Cycle: 1:1.053

Medium parameters used (interpolated): $f = 2437$ MHz; $\sigma = 1.99$ mho/m; $\epsilon_r = 52.2$; $\rho = 1000$ kg/m³

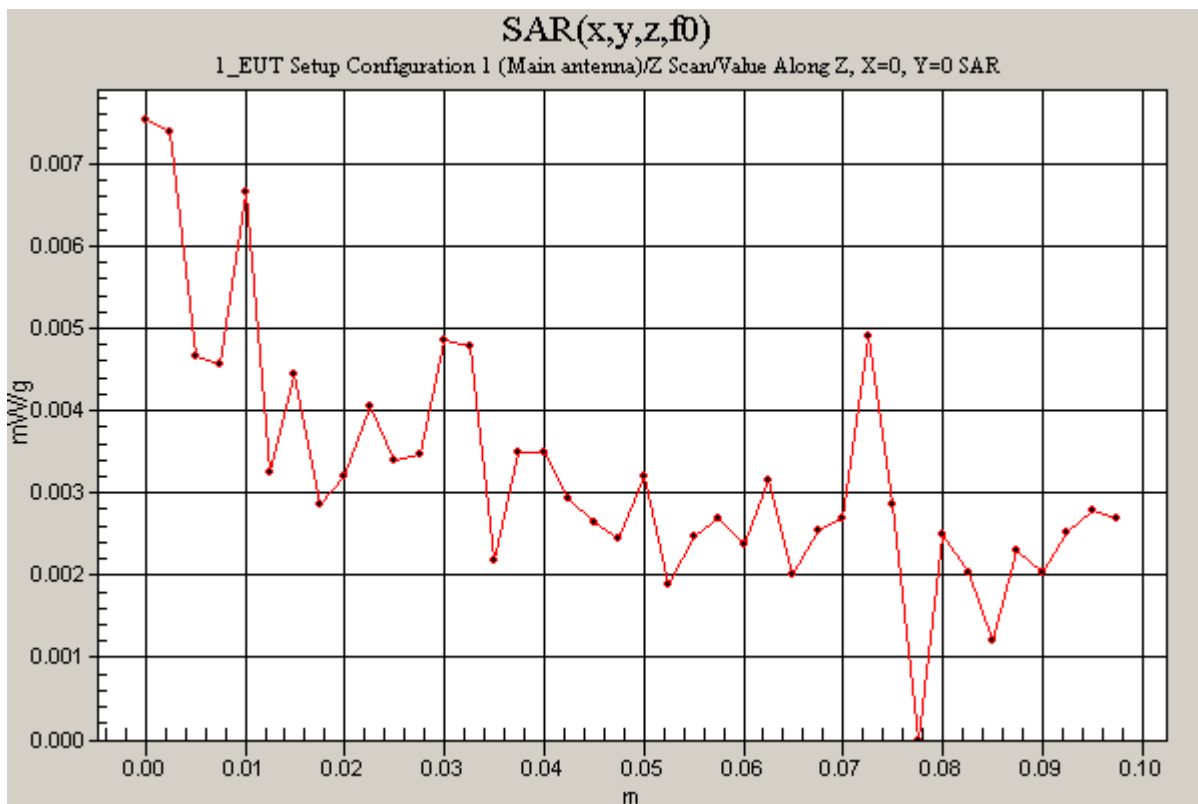
Phantom section: Flat Section

11g_M-ch/Z Scan (1x1x41): Measurement grid: dx=20mm, dy=20mm, dz=2.5mm

Reference Value = 1.57 V/m; Power Drift = -0.1 dB

Maximum value of SAR (measured) = 0.00753 mW/g

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



Test Laboratory: Compliance Certification Services

File Name: [2_EUT Setup Configuration 2 \(Aux antenna\).da4](#)

DUT: Broadcom; Type: BCM94309MPCO; Serial: N/A
Program Name: 2_EUT Setup Configuration 2 (Aux antenna)
Ambient Temp.: 25.0 deg. C; Liquid Temp.: 24.0 deg. C

Communication System: 802.11bg; Frequency: 2412 MHz; Duty Cycle: 1:1

Medium parameters used (interpolated): $f = 2412$ MHz; $\sigma = 1.97$ mho/m; $\epsilon_r = 52.2$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY4 Configuration:

- Probe: EX3DV3 - SN3531; ConvF(8.32, 8.32, 8.32); Calibrated: 7/18/2004

- Sensor-Surface: 1.5mm (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

11b_L-ch/Area Scan (10x13x1): Measurement grid: dx=15mm, dy=15mm

Reference Value = 7.52 V/m; Power Drift = -0.13 dB

Maximum value of SAR (measured) = 0.196 mW/g

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

11b_L-ch/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm

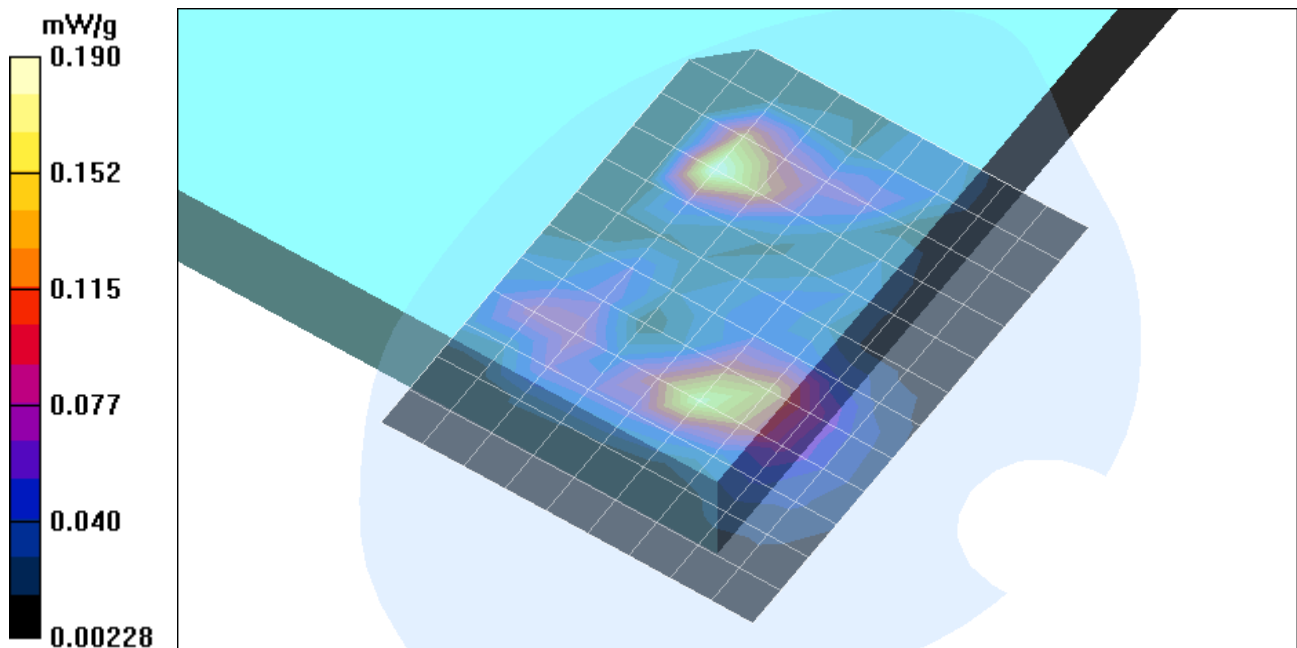
Reference Value = 7.52 V/m; Power Drift = -0.13 dB

Maximum value of SAR (measured) = 0.190 mW/g

Peak SAR (extrapolated) = 0.252 W/kg

SAR(1 g) = 0.142 mW/g; SAR(10 g) = 0.075 mW/g

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



Test Laboratory: Compliance Certification Services

File Name: [2_EUT Setup Configuration 2 \(Aux antenna\).da4](#)

DUT: Broadcom; Type: BCM94309MPCO; Serial: N/A

Program Name: 2_EUT Setup Configuration 2 (Aux antenna)

Communication System: 802.11bg; Frequency: 2412 MHz; Duty Cycle: 1:1

Medium parameters used (interpolated): $f = 2412$ MHz; $\sigma = 1.97$ mho/m; $\epsilon_r = 52.2$; $\rho = 1000$ kg/m³

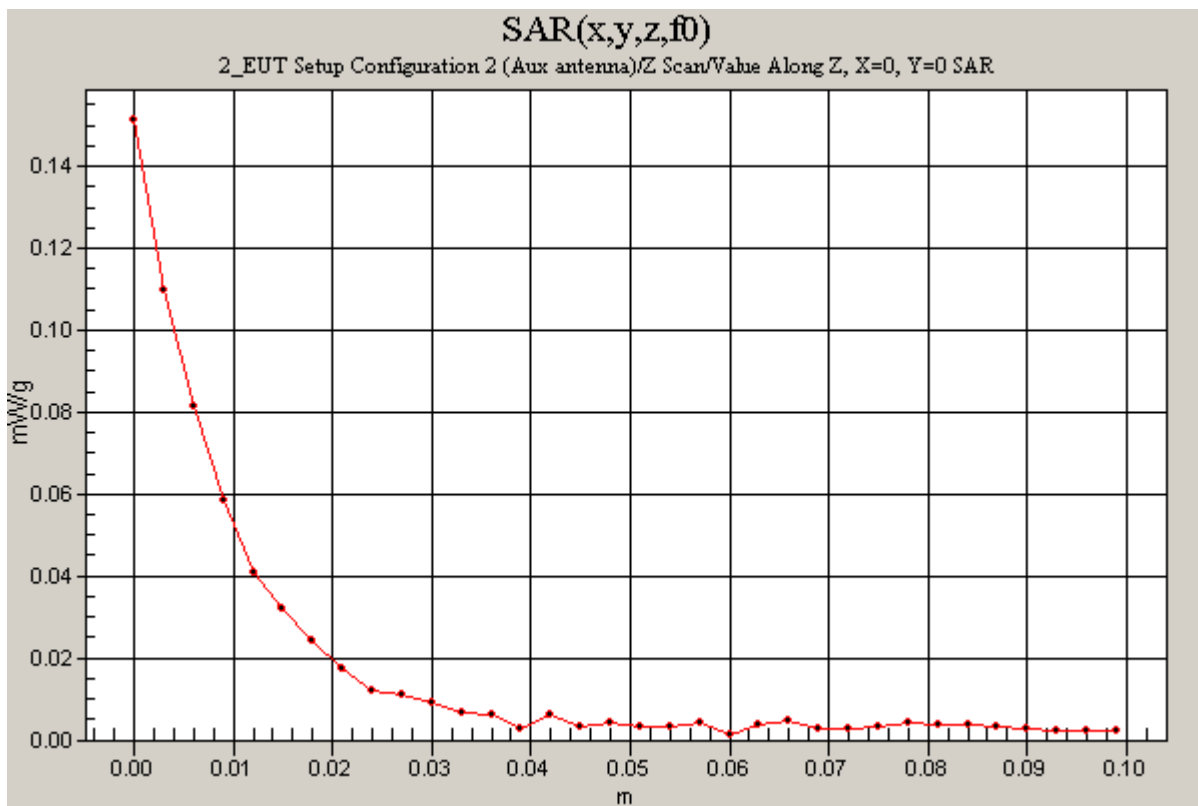
Phantom section: Flat Section

11b_L-ch/Z Scan (1x1x34): Measurement grid: dx=20mm, dy=20mm, dz=3mm

Reference Value = 7.52 V/m; Power Drift = -0.13 dB

Maximum value of SAR (measured) = 0.151 mW/g

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



Test Laboratory: Compliance Certification Services

File Name: [2_EUT Setup Configuration 2 \(Aux antenna\).da4](#)

DUT: Broadcom; Type: BCM94309MPCO; Serial: N/A
Program Name: 2_EUT Setup Configuration 2 (Aux antenna)
Ambient Temp.: 25.0 deg. C; Liquid Temp.: 24.0 deg. C

Communication System: 802.11bg; Frequency: 2412 MHz; Duty Cycle: 1:1

Medium parameters used (interpolated): $f = 2412$ MHz; $\sigma = 1.97$ mho/m; $\epsilon_r = 52.2$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY4 Configuration:

- Probe: EX3DV3 - SN3531; ConvF(8.32, 8.32, 8.32); Calibrated: 7/18/2004

- Sensor-Surface: 1.5mm (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

Co-location_11b_L-ch/Area Scan (10x13x1): Measurement grid: dx=15mm, dy=15mm

Reference Value = 7.49 V/m; Power Drift = 0.005 dB

Maximum value of SAR (measured) = 0.173 mW/g

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

Co-location_11b_L-ch/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm

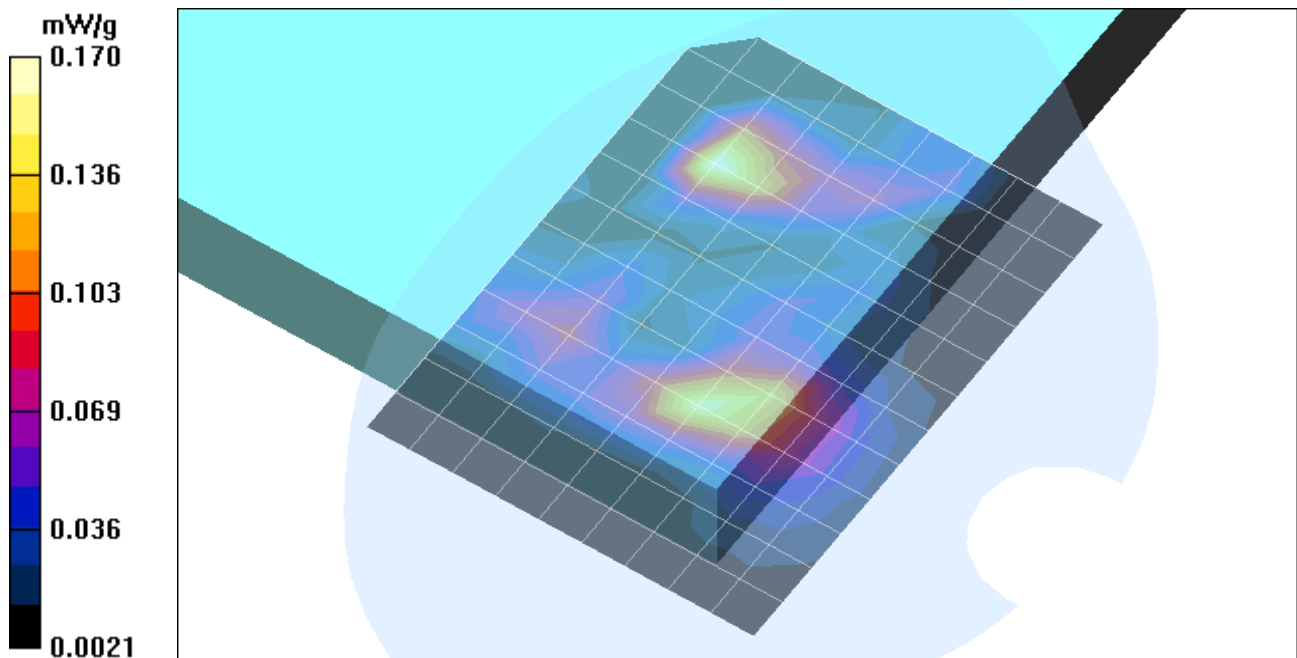
Reference Value = 7.49 V/m; Power Drift = 0.005 dB

Maximum value of SAR (measured) = 0.170 mW/g

Peak SAR (extrapolated) = 0.219 W/kg

SAR(1 g) = 0.126 mW/g; SAR(10 g) = 0.068 mW/g

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



Test Laboratory: Compliance Certification Services

File Name: [2_EUT Setup Configuration 2 \(Aux antenna\).da4](#)

DUT: Broadcom; Type: BCM94309MPCO; Serial: N/A
Program Name: 2_EUT Setup Configuration 2 (Aux antenna)
Ambient Temp.: 25.0 deg. C; Liquid Temp.: 24.0 deg. C

Communication System: 802.11bg; Frequency: 2437 MHz; Duty Cycle: 1:1

Medium parameters used (interpolated): $f = 2437$ MHz; $\sigma = 1.99$ mho/m; $\epsilon_r = 52.2$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY4 Configuration:

- Probe: EX3DV3 - SN3531; ConvF(8.32, 8.32, 8.32); Calibrated: 7/18/2004
- Sensor-Surface: 1.5mm (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

11b_M-ch/Area Scan (10x13x1): Measurement grid: dx=15mm, dy=15mm

Reference Value = 8.34 V/m; Power Drift = 0.12 dB

Maximum value of SAR (measured) = 0.142 mW/g

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

11b_M-ch/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm

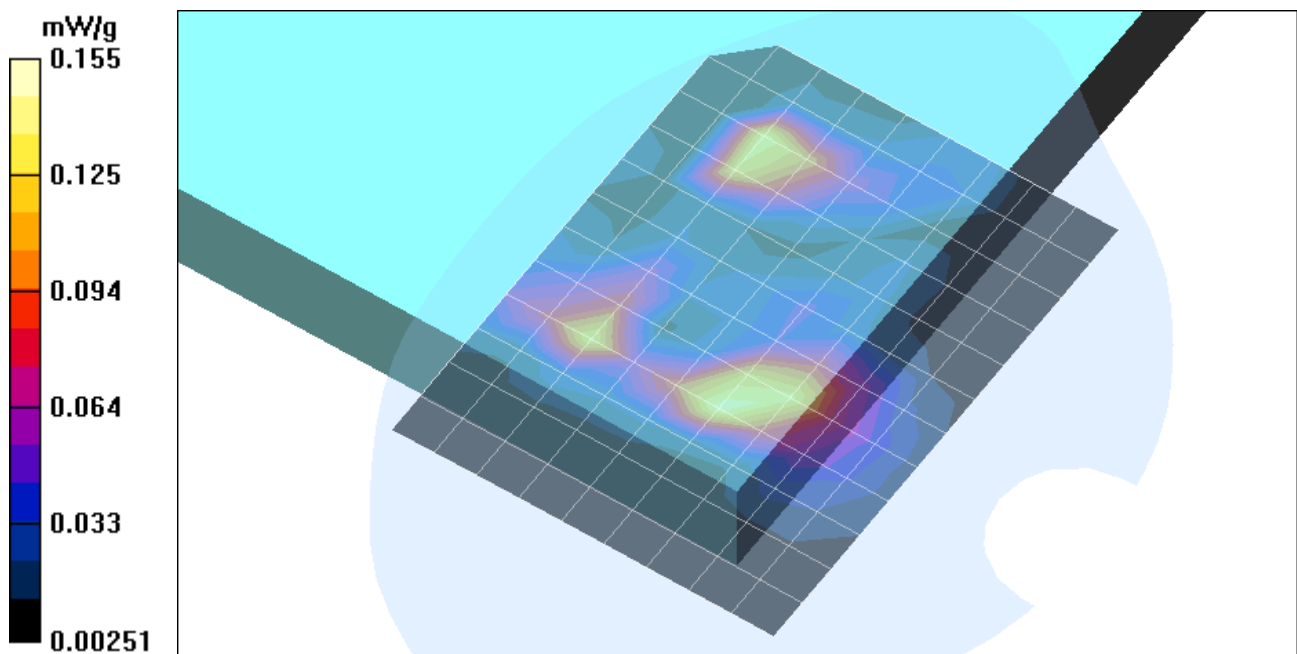
Reference Value = 8.34 V/m; Power Drift = 0.12 dB

Maximum value of SAR (measured) = 0.155 mW/g

Peak SAR (extrapolated) = 0.202 W/kg

SAR(1 g) = 0.114 mW/g; SAR(10 g) = 0.061 mW/g

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



Test Laboratory: Compliance Certification Services

File Name: [2_EUT Setup Configuration 2 \(Aux antenna\).da4](#)

DUT: Broadcom; Type: BCM94309MPCO; Serial: N/A
Program Name: 2_EUT Setup Configuration 2 (Aux antenna)
Ambient Temp.: 25.0 deg. C; Liquid Temp.: 24.0 deg. C

Communication System: 802.11bg; Frequency: 2462 MHz; Duty Cycle: 1:1

Medium parameters used (interpolated): $f = 2462$ MHz; $\sigma = 2.03$ mho/m; $\epsilon_r = 52$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY4 Configuration:

- Probe: EX3DV3 - SN3531; ConvF(8.32, 8.32, 8.32); Calibrated: 7/18/2004
- Sensor-Surface: 1.5mm (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

11b_H-ch/Area Scan (10x13x1): Measurement grid: dx=15mm, dy=15mm

11b_H-ch/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm

Reference Value = 6.76 V/m; Power Drift = 0.12 dB

Maximum value of SAR (measured) = 0.132 mW/g

Peak SAR (extrapolated) = 0.172 W/kg

SAR(1 g) = 0.093 mW/g; SAR(10 g) = 0.048 mW/g

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

11b_H-ch/Zoom Scan (5x5x7)/Cube 1: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm

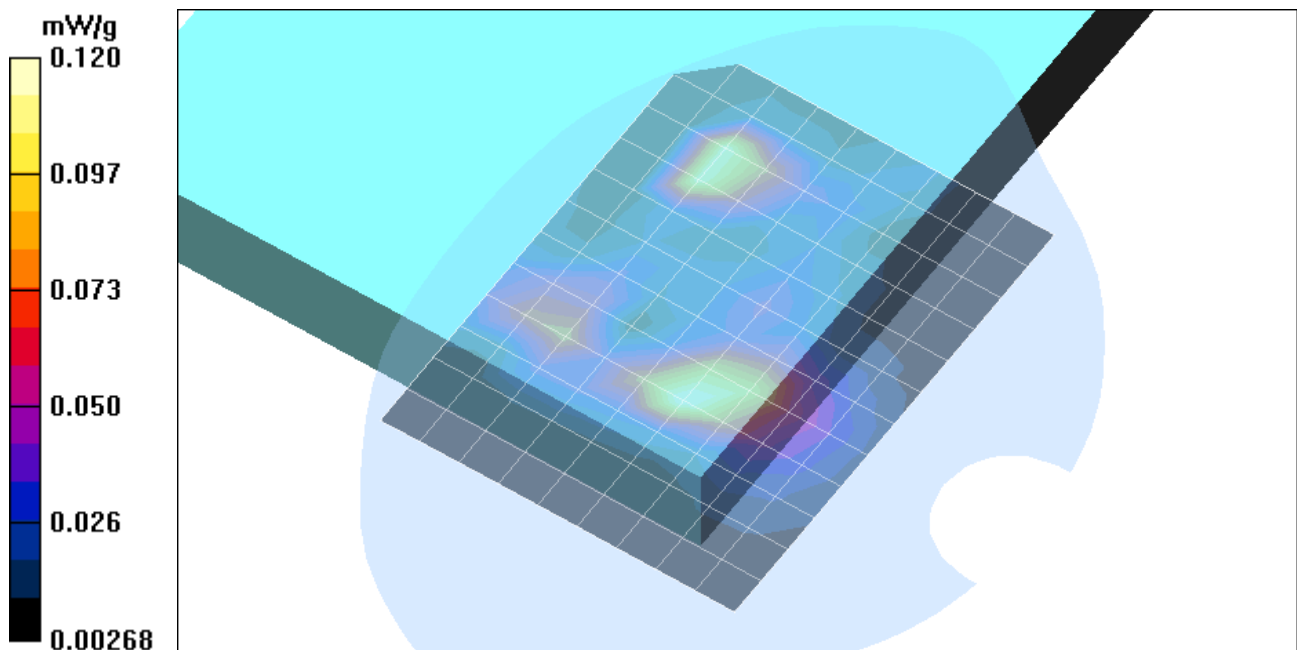
Reference Value = 6.76 V/m; Power Drift = 0.12 dB

Maximum value of SAR (measured) = 0.120 mW/g

Peak SAR (extrapolated) = 0.153 W/kg

SAR(1 g) = 0.084 mW/g; SAR(10 g) = 0.045 mW/g

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



Test Laboratory: Compliance Certification Services

File Name: [2_EUT Setup Configuration 2 \(Aux antenna\).da4](#)

DUT: Broadcom; Type: BCM94309MPCO; Serial: N/A
Program Name: 2_EUT Setup Configuration 2 (Aux antenna)
Ambient Temp.: 25.0 deg. C; Liquid Temp.: 24.0 deg. C

Communication System: 802.11bg; Frequency: 2437 MHz; Duty Cycle: 1:1.053

Medium parameters used (interpolated): $f = 2437$ MHz; $\sigma = 1.99$ mho/m; $\epsilon_r = 52.2$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY4 Configuration:

- Probe: EX3DV3 - SN3531; ConvF(8.32, 8.32, 8.32); Calibrated: 7/18/2004
- Sensor-Surface: 1.5mm (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

11g_M-ch/Area Scan (10x13x1): Measurement grid: dx=15mm, dy=15mm

Reference Value = 3.52 V/m; Power Drift = 0.14 dB

Maximum value of SAR (measured) = 0.055 mW/g

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

11g_M-ch/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm

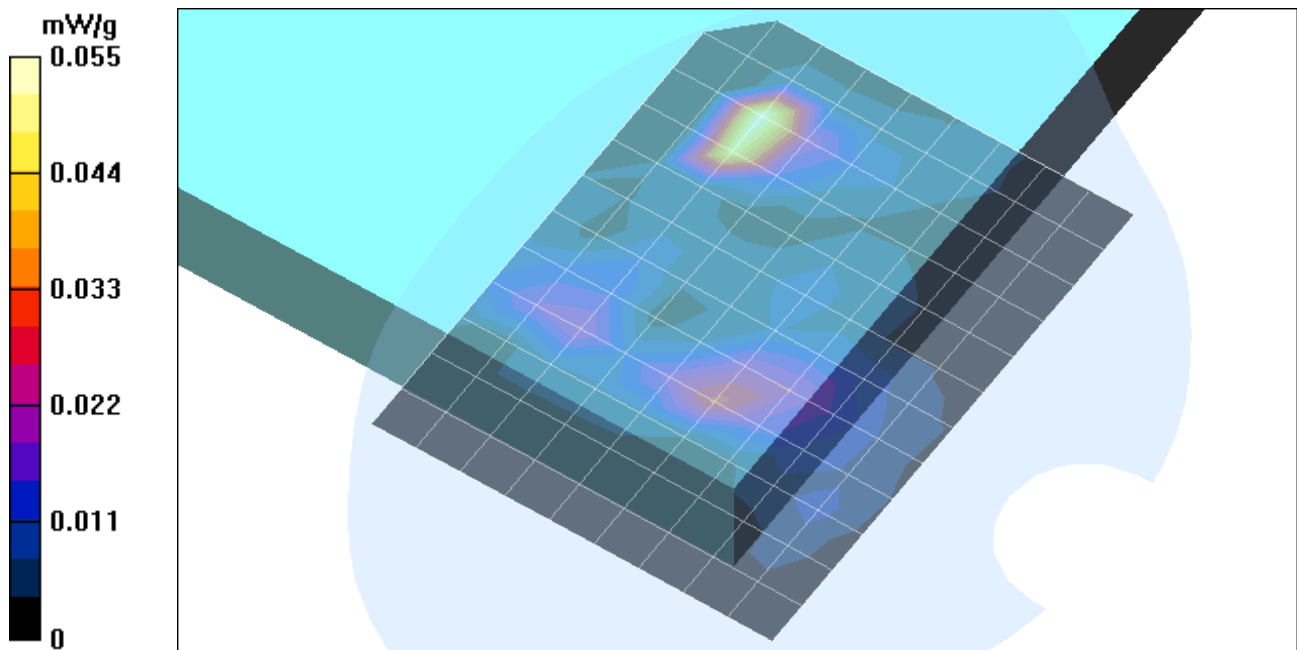
Reference Value = 3.52 V/m; Power Drift = 0.14 dB

Maximum value of SAR (measured) = 0.036 mW/g

Peak SAR (extrapolated) = 0.046 W/kg

SAR(1 g) = 0.023 mW/g; SAR(10 g) = 0.014 mW/g

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



Test Laboratory: Compliance Certification Services

File Name: [2_EUT Setup Configuration 2 \(Aux antenna\).da4](#)

DUT: Broadcom; Type: BCM94309MPCO; Serial: N/A

Program Name: 2_EUT Setup Configuration 2 (Aux antenna)

Communication System: 802.11bg; Frequency: 2437 MHz; Duty Cycle: 1:1.053

Medium parameters used (interpolated): $f = 2437$ MHz; $\sigma = 1.99$ mho/m; $\epsilon_r = 52.2$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

11g_M-ch/Z Scan (1x1x34): Measurement grid: dx=20mm, dy=20mm, dz=3mm

Reference Value = 3.52 V/m; Power Drift = -0.12 dB

Maximum value of SAR (measured) = 0.017 mW/g

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

