

Test Laboratory: Compliance Certification Services

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

DUT: Broadcom; Type: BCM94306MPLNA; 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

Medium parameters used (interpolated): $f = 2437$ MHz; $\sigma = 1.91$ mho/m; $\epsilon_r = 52.3$; $\rho = 1000$ 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

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

Reference Value = 3.6 V/m; Power Drift = -0.1 dB

Maximum value of SAR (measured) = 0.032 mW/g

Peak SAR (extrapolated) = 0.038 W/kg

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

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

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

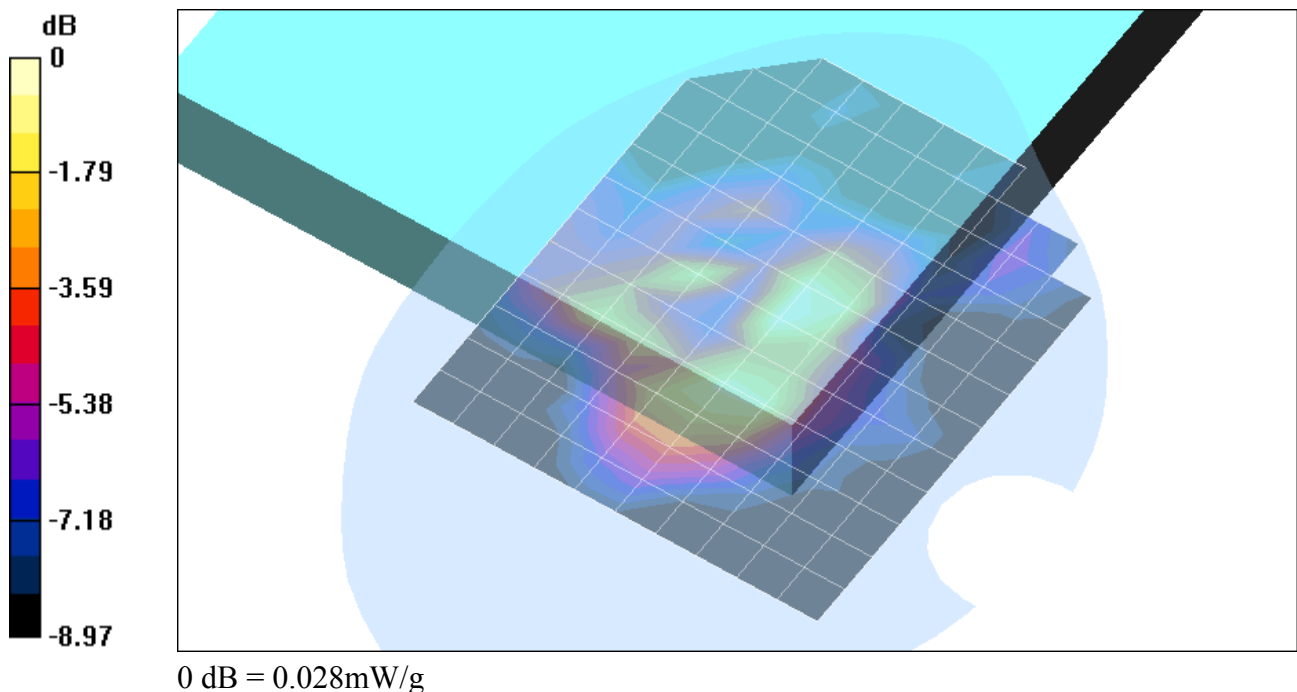
Reference Value = 3.6 V/m; Power Drift = -0.1 dB

Maximum value of SAR (measured) = 0.028 mW/g

Peak SAR (extrapolated) = 0.034 W/kg

SAR(1 g) = 0.019 mW/g; SAR(10 g) = 0.012 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: BCM94306MPLNA; 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; $\sigma = 1.91$ mho/m; $\epsilon_r = 52.3$; $\rho = 1000$ kg/m³

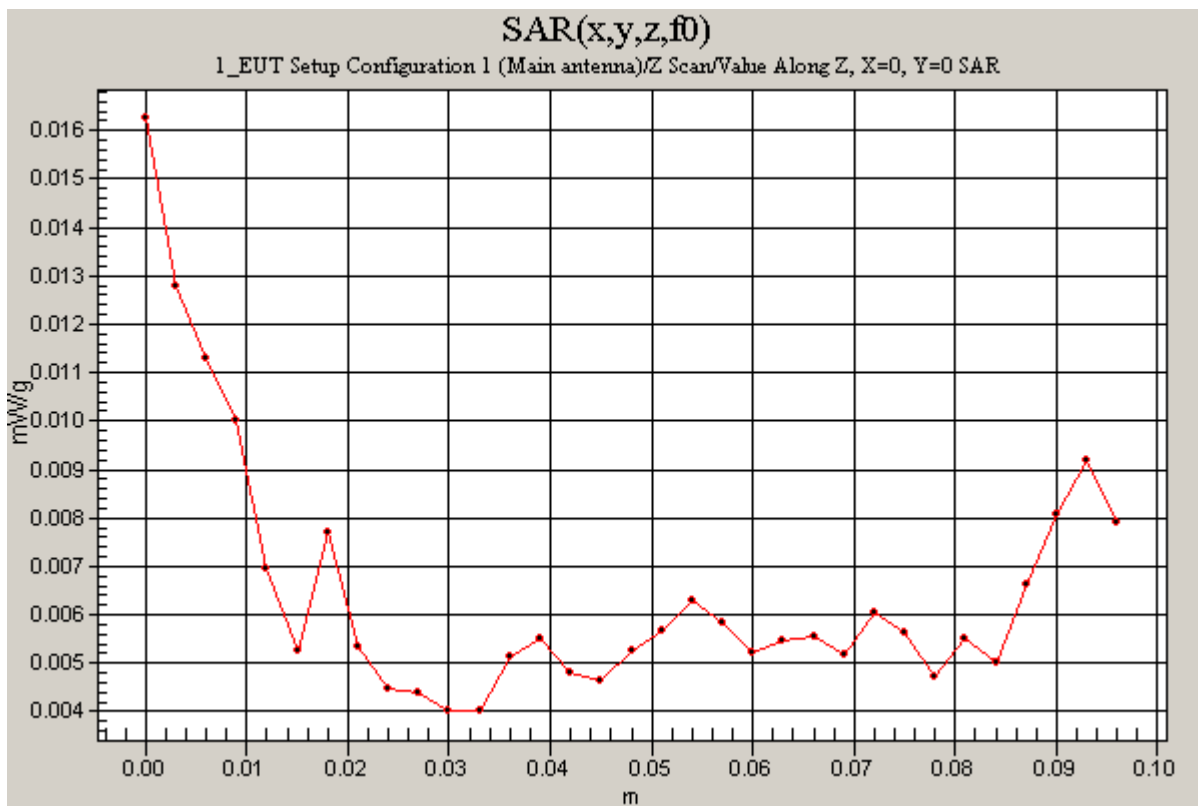
Phantom section: Flat Section

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

Reference Value = 3.6 V/m; Power Drift = 0.1 dB

Maximum value of SAR (measured) = 0.016 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: BCM94306MPLNA; 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; $\sigma = 1.91$ mho/m; $\epsilon_r = 52.3$; $\rho = 1000$ 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

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

Reference Value = 1.84 V/m; Power Drift = -0.19 dB

Maximum value of SAR (measured) = 0.00886 mW/g

Peak SAR (extrapolated) = 0.033 W/kg

SAR(1 g) = 0.00636 mW/g; SAR(10 g) = 0.00414 mW/g

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

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

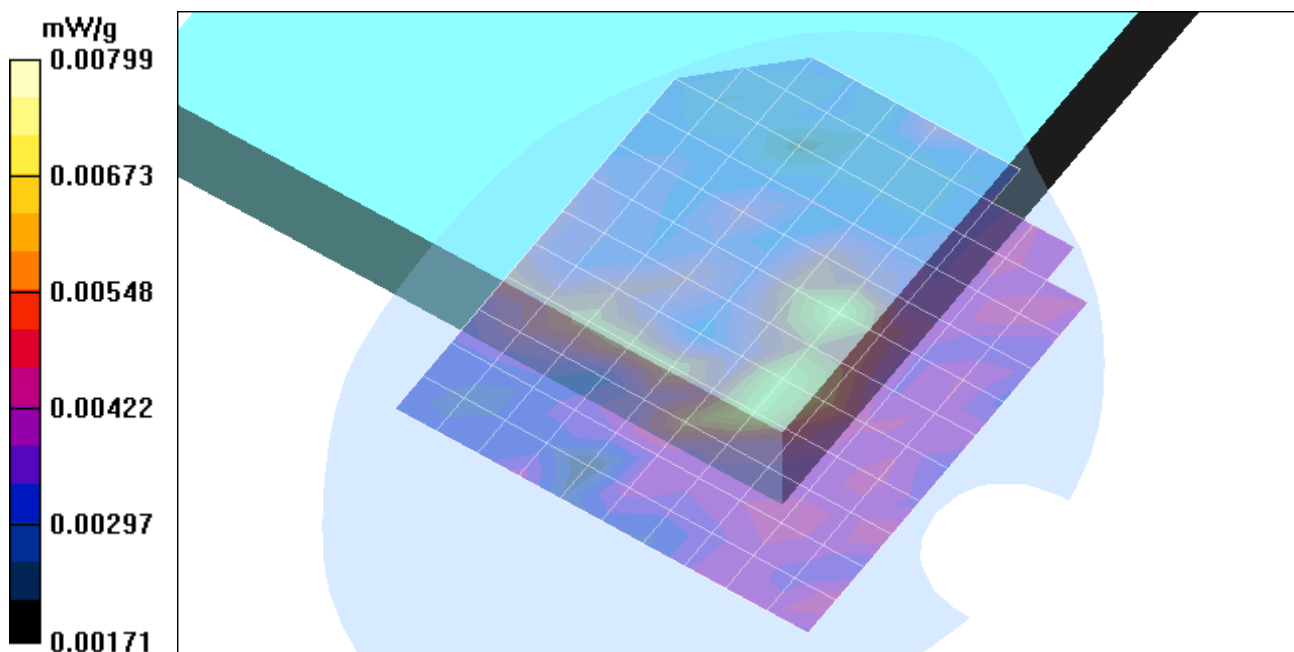
Reference Value = 1.84 V/m; Power Drift = -0.19 dB

Maximum value of SAR (measured) = 0.00799 mW/g

Peak SAR (extrapolated) = 0.046 W/kg

SAR(1 g) = 0.00714 mW/g; SAR(10 g) = 0.00362 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: BCM94306MPLNA; 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; $\sigma = 1.89$ mho/m; $\epsilon_r = 52.3$; $\rho = 1000$ 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

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

Reference Value = 6.62 V/m; Power Drift = -0.2 dB

Maximum value of SAR (measured) = 0.121 mW/g

Peak SAR (extrapolated) = 0.143 W/kg

SAR(1 g) = 0.088 mW/g; SAR(10 g) = 0.054 mW/g

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

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

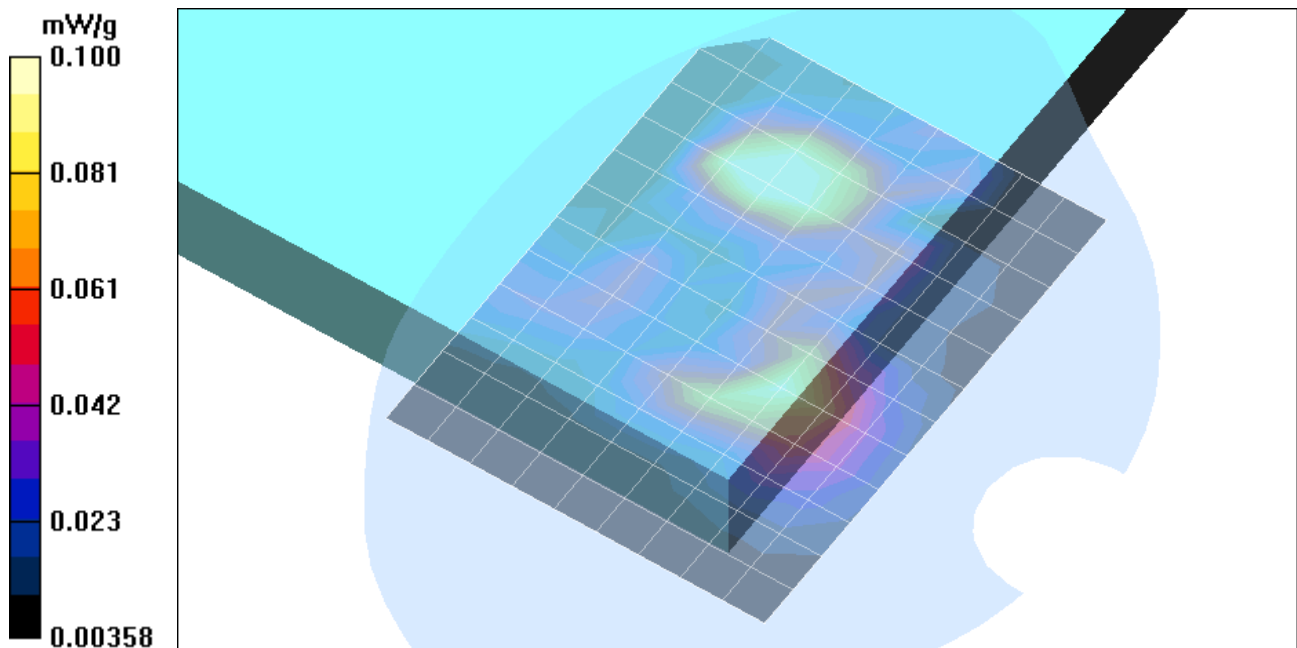
Reference Value = 6.62 V/m; Power Drift = -0.2 dB

Maximum value of SAR (measured) = 0.100 mW/g

Peak SAR (extrapolated) = 0.123 W/kg

SAR(1 g) = 0.068 mW/g; SAR(10 g) = 0.040 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: BCM94306MPLNA; 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; $\sigma = 1.89$ mho/m; $\epsilon_r = 52.3$; $\rho = 1000$ kg/m³

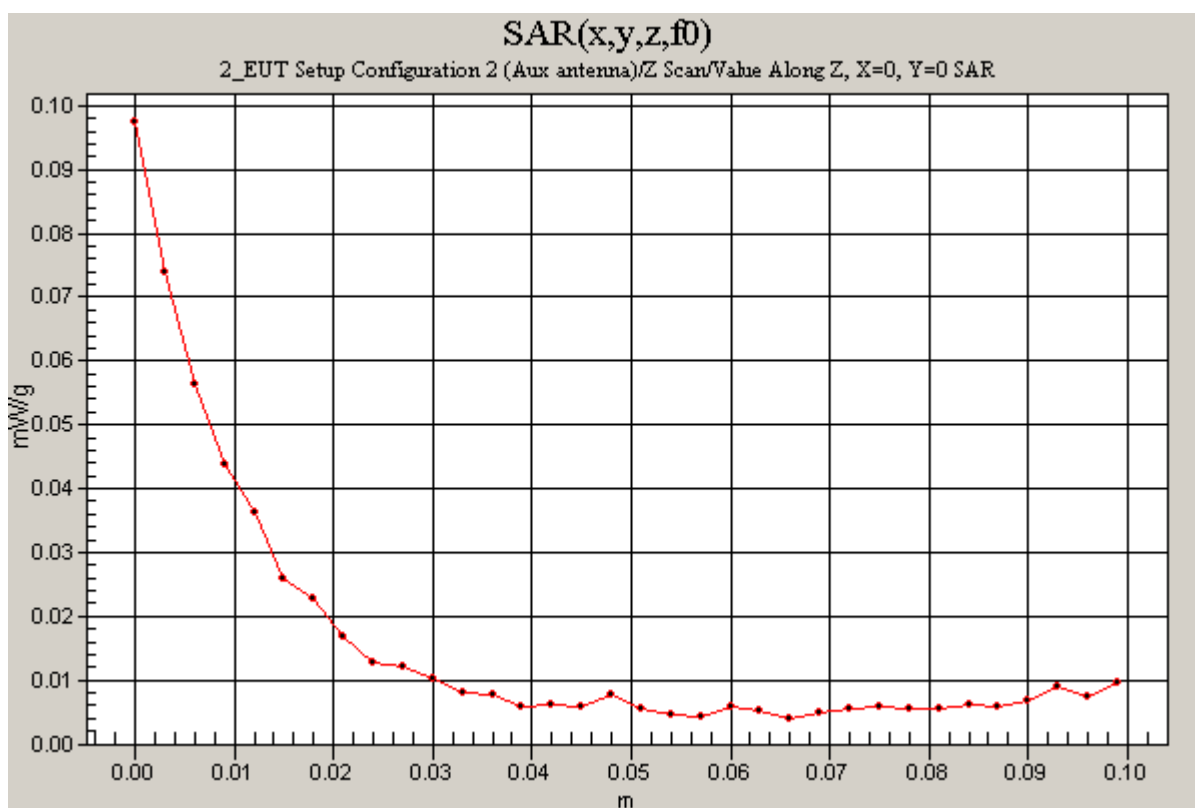
Phantom section: Flat Section

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

Reference Value = 6.62 V/m; Power Drift = -0.1 dB

Maximum value of SAR (measured) = 0.097 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: BCM94306MPLNA; 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; $\sigma = 1.89$ mho/m; $\epsilon_r = 52.3$; $\rho = 1000$ 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

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

Reference Value = 6.85 V/m; Power Drift = -0.15 dB

Maximum value of SAR (measured) = 0.109 mW/g

Peak SAR (extrapolated) = 0.129 W/kg

SAR(1 g) = 0.081 mW/g; SAR(10 g) = 0.048 mW/g

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

Co-location_11b_L-ch/Zoom Scan (5x5x7)/Cube 1: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm

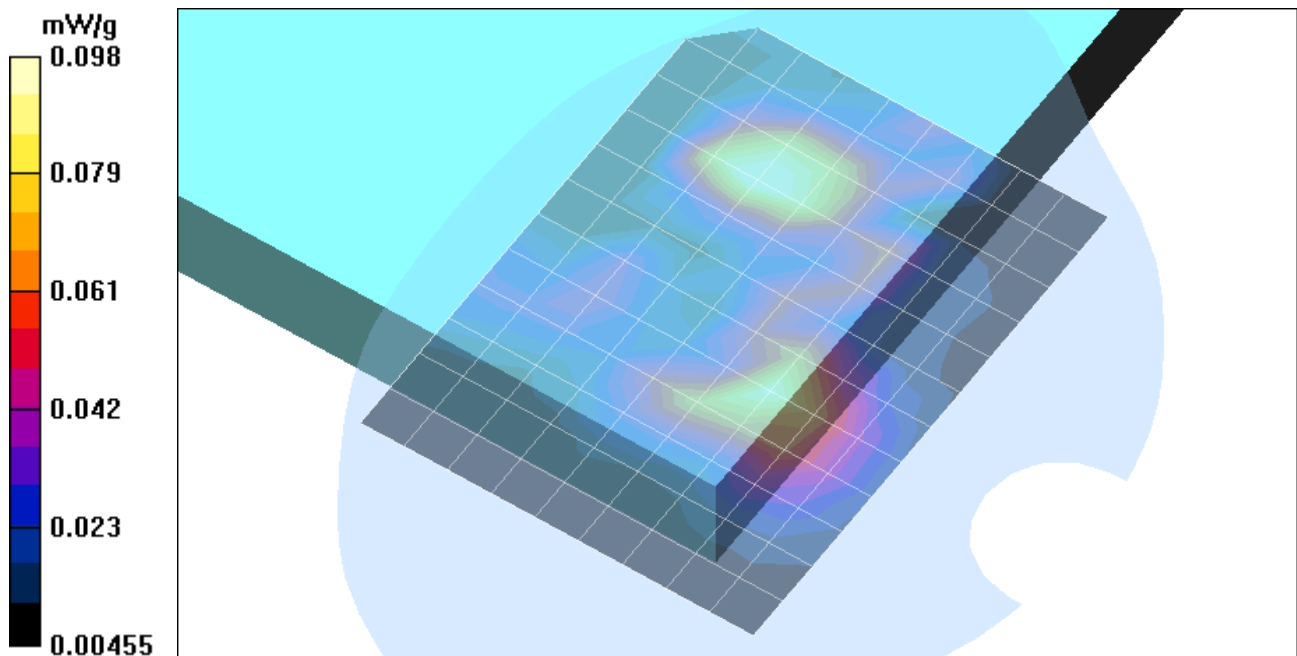
Reference Value = 6.85 V/m; Power Drift = -0.15 dB

Maximum value of SAR (measured) = 0.098 mW/g

Peak SAR (extrapolated) = 0.121 W/kg

SAR(1 g) = 0.067 mW/g; SAR(10 g) = 0.039 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: BCM94306MPLNA; 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; $\sigma = 1.91$ mho/m; $\epsilon_r = 52.3$; $\rho = 1000$ 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

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

Reference Value = 6.4 V/m; Power Drift = -0.17 dB

Maximum value of SAR (measured) = 0.103 mW/g

Peak SAR (extrapolated) = 0.118 W/kg

SAR(1 g) = 0.070 mW/g; SAR(10 g) = 0.041 mW/g

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

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

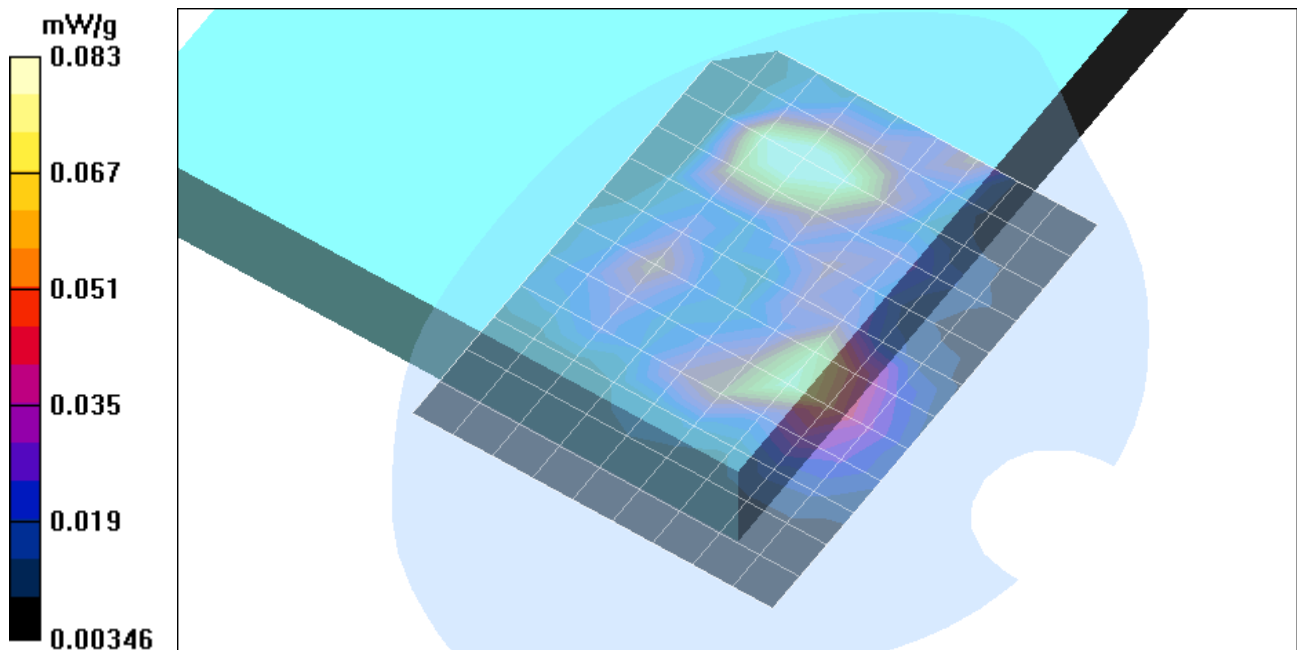
Reference Value = 6.4 V/m; Power Drift = -0.17 dB

Maximum value of SAR (measured) = 0.083 mW/g

Peak SAR (extrapolated) = 0.103 W/kg

SAR(1 g) = 0.054 mW/g; SAR(10 g) = 0.032 mW/g

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



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

DUT: Broadcom; Type: BCM94306MPLNA; 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; $\sigma = 1.94$ mho/m; $\epsilon_r = 52.1$; $\rho = 1000$ 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 = 6.33 V/m; Power Drift = -0.18 dB

Maximum value of SAR (measured) = 0.073 mW/g

Peak SAR (extrapolated) = 0.084 W/kg

SAR(1 g) = 0.050 mW/g; SAR(10 g) = 0.031 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

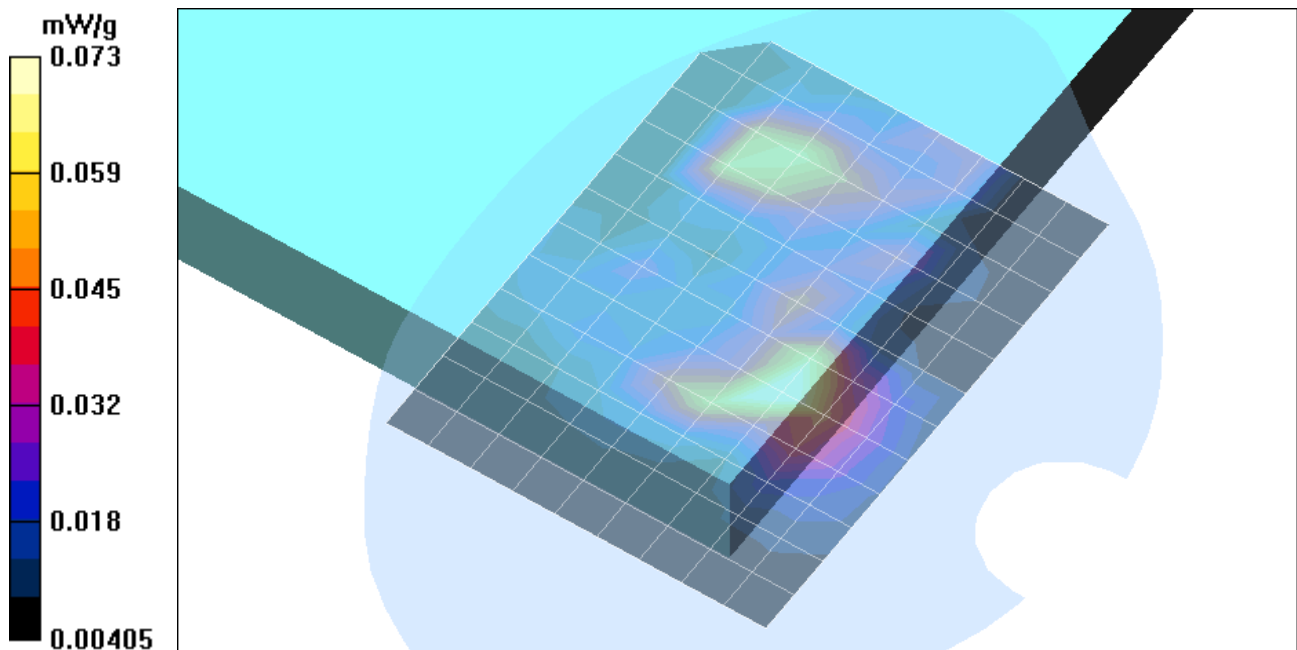
Reference Value = 6.33 V/m; Power Drift = -0.18 dB

Maximum value of SAR (measured) = 0.089 mW/g

Peak SAR (extrapolated) = 0.109 W/kg

SAR(1 g) = 0.055 mW/g; SAR(10 g) = 0.031 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: BCM94306MPLNA; 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; $\sigma = 1.91$ mho/m; $\epsilon_r = 52.3$; $\rho = 1000$ 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

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

Reference Value = 5.84 V/m; Power Drift = -0.1 dB

Maximum value of SAR (measured) = 0.074 mW/g

Peak SAR (extrapolated) = 0.088 W/kg

SAR(1 g) = 0.055 mW/g; SAR(10 g) = 0.034 mW/g

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

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

Reference Value = 5.84 V/m; Power Drift = -0.1 dB

Maximum value of SAR (measured) = 0.070 mW/g

Peak SAR (extrapolated) = 0.086 W/kg

SAR(1 g) = 0.049 mW/g; SAR(10 g) = 0.029 mW/g

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

