

Test Laboratory: Compliance Certification Services

File Name: [1-2_EUT Setup Configuration 1 \(Antenna - WNC\).da4](#)

DUT: Dell Computer Corporation; Type: WM3A2915ABG; Serial: N/A

Program Name: 1-1_EUT Setup Configuration 1 (Antenna - WNC)

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

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

Medium parameters used (interpolated): $f = 2437$ MHz; $\sigma = 1.98$ mho/m; $\epsilon_r = 53$; $\rho = 1000$ 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

802.11b_M-ch/Area Scan (9x10x1): Measurement grid: dx=15mm, dy=15mm

802.11b_M-ch/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm

Reference Value = 7.96 V/m; Power Drift = 0.19 dB

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

Peak SAR (extrapolated) = 0.291 W/kg

SAR(1 g) = 0.175 mW/g; SAR(10 g) = 0.102 mW/g

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

802.11b_M-ch/Zoom Scan (5x5x7)/Cube 1: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm

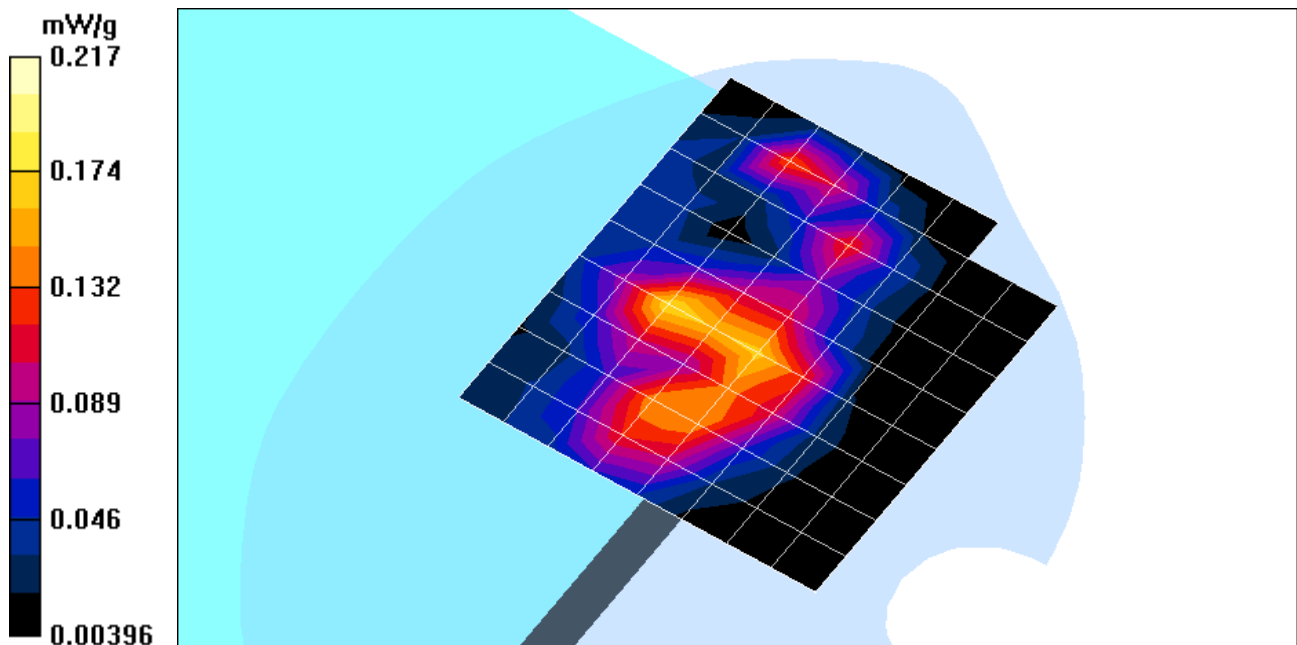
Reference Value = 7.96 V/m; Power Drift = 0.19 dB

Maximum value of SAR (measured) = 0.217 mW/g

Peak SAR (extrapolated) = 0.353 W/kg

SAR(1 g) = 0.198 mW/g; SAR(10 g) = 0.107 mW/g

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



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

Medium parameters used (interpolated): $f = 2437$ MHz; $\sigma = 1.98$ mho/m; $\epsilon_r = 53$; $\rho = 1000$ kg/m³

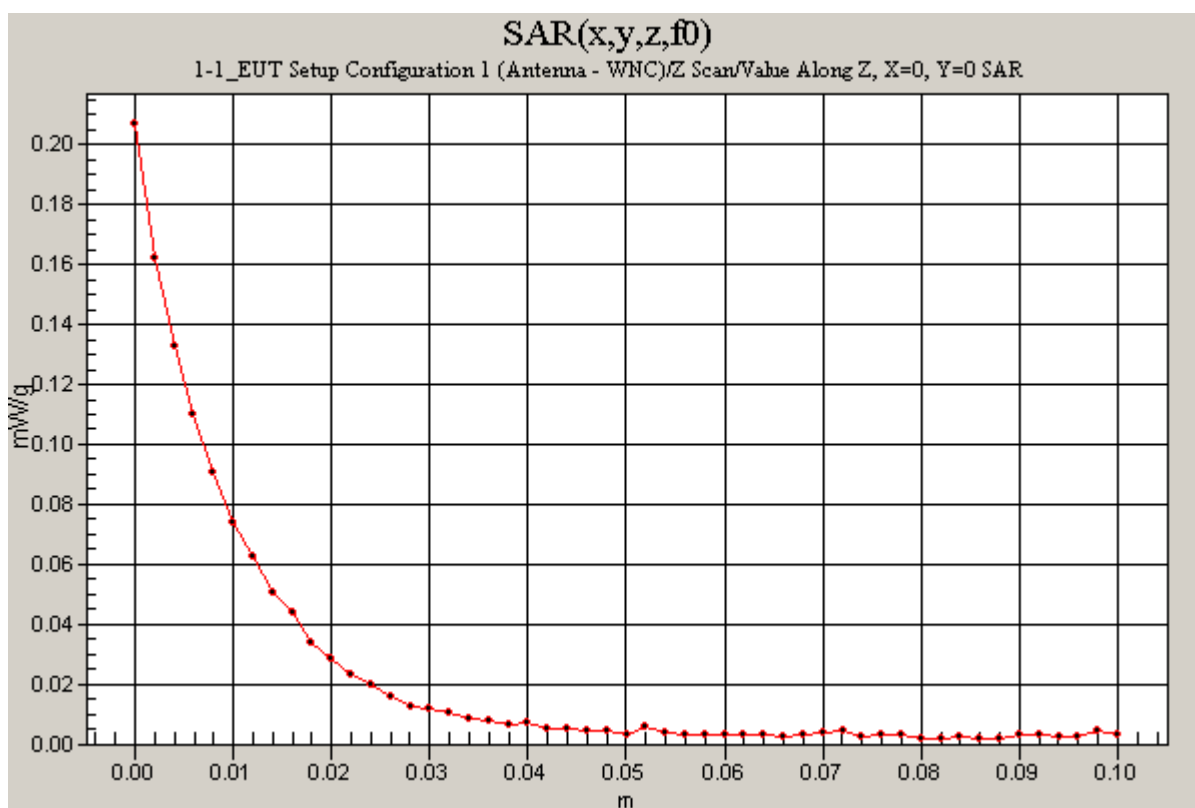
Phantom section: Flat Section

802.11b_M-ch/Z Scan (1x1x51): Measurement grid: $dx=20$ mm, $dy=20$ mm, $dz=2$ mm

Reference Value = 7.96 V/m; Power Drift = 0.18 dB

Maximum value of SAR (measured) = 0.207 mW/g

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



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

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

Medium parameters used (interpolated): $f = 2437$ MHz; $\sigma = 1.98$ mho/m; $\epsilon_r = 53$; $\rho = 1000$ 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

802.11g_M-ch/Area Scan (9x10x1): Measurement grid: dx=15mm, dy=15mm

802.11g_M-ch/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm

Reference Value = 7.37 V/m; Power Drift = -0.1 dB

Maximum value of SAR (measured) = 0.129 mW/g

Peak SAR (extrapolated) = 0.208 W/kg

SAR(1 g) = 0.117 mW/g; SAR(10 g) = 0.064 mW/g

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

802.11g_M-ch/Zoom Scan (5x5x7)/Cube 1: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm

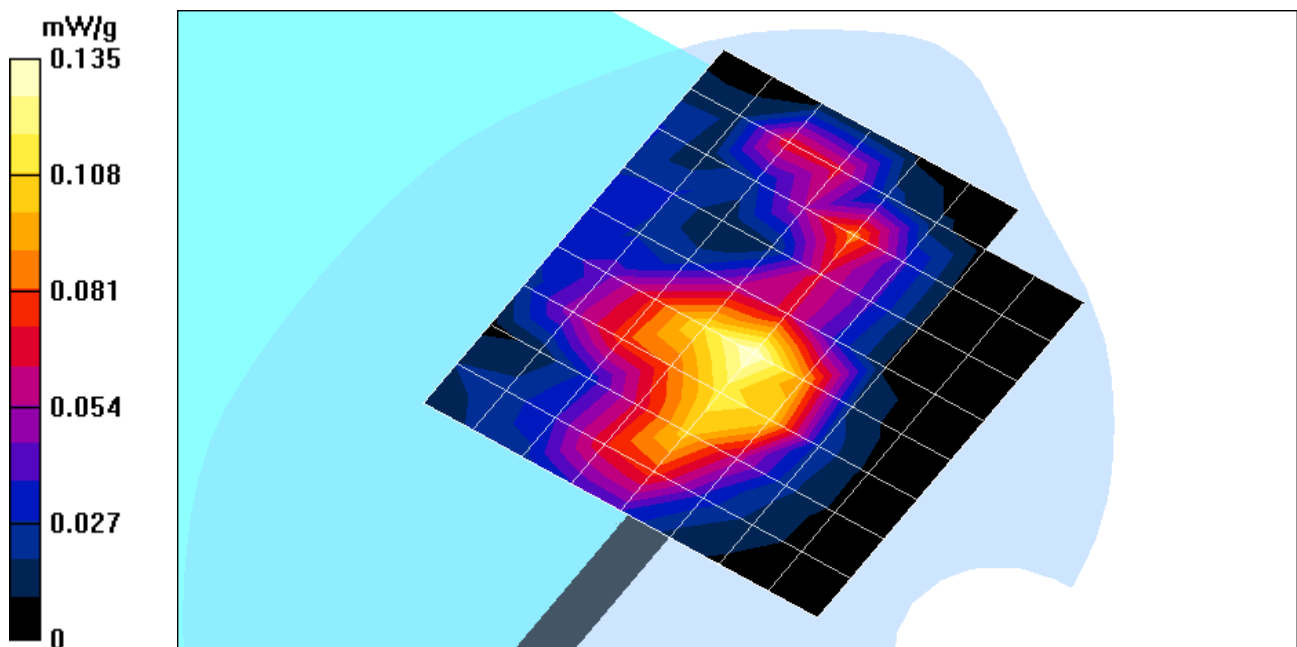
Reference Value = 7.37 V/m; Power Drift = -0.1 dB

Maximum value of SAR (measured) = 0.082 mW/g

Peak SAR (extrapolated) = 0.158 W/kg

SAR(1 g) = 0.076 mW/g; SAR(10 g) = 0.038 mW/g

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



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Program Name: 1-1_EUT Setup Configuration 1 (Antenna - WNC)

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

Medium parameters used (interpolated): $f = 2437$ MHz; $\sigma = 1.98$ mho/m; $\epsilon_r = 53$; $\rho = 1000$ kg/m³

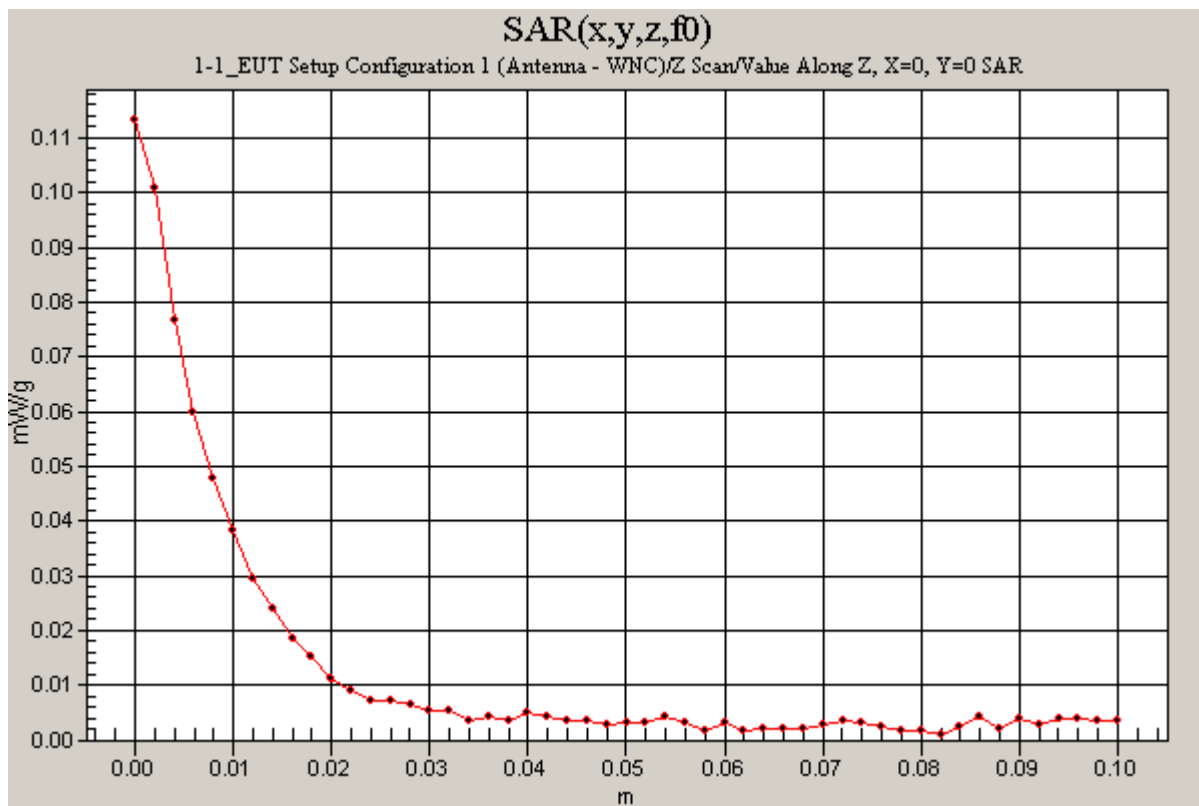
Phantom section: Flat Section

802.11g_M-ch/Z Scan (1x1x51): Measurement grid: dx=20mm, dy=20mm, dz=2mm

Reference Value = 7.37 V/m; Power Drift = -0.1 dB

Maximum value of SAR (measured) = 0.113 mW/g

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



Test Laboratory: Compliance Certification Services

File Name: [2-2_EUT Setup Configuration 2 \(Antenna - WNC\).da4](#)

DUT: Dell Computer Corporation; Type: WM3A2915ABG; Serial: N/A

Program Name: 2-2_EUT Setup Configuration 2 (Antenna - WNC)

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

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

Medium parameters used (interpolated): $f = 2437$ MHz; $\sigma = 1.98$ mho/m; $\epsilon_r = 53$; $\rho = 1000$ 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

802.11b_M-ch/Area Scan (9x10x1): Measurement grid: dx=15mm, dy=15mm

Reference Value = 4.25 V/m; Power Drift = -0.13 dB

Maximum value of SAR (measured) = 0.318 mW/g

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

802.11b_M-ch/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm

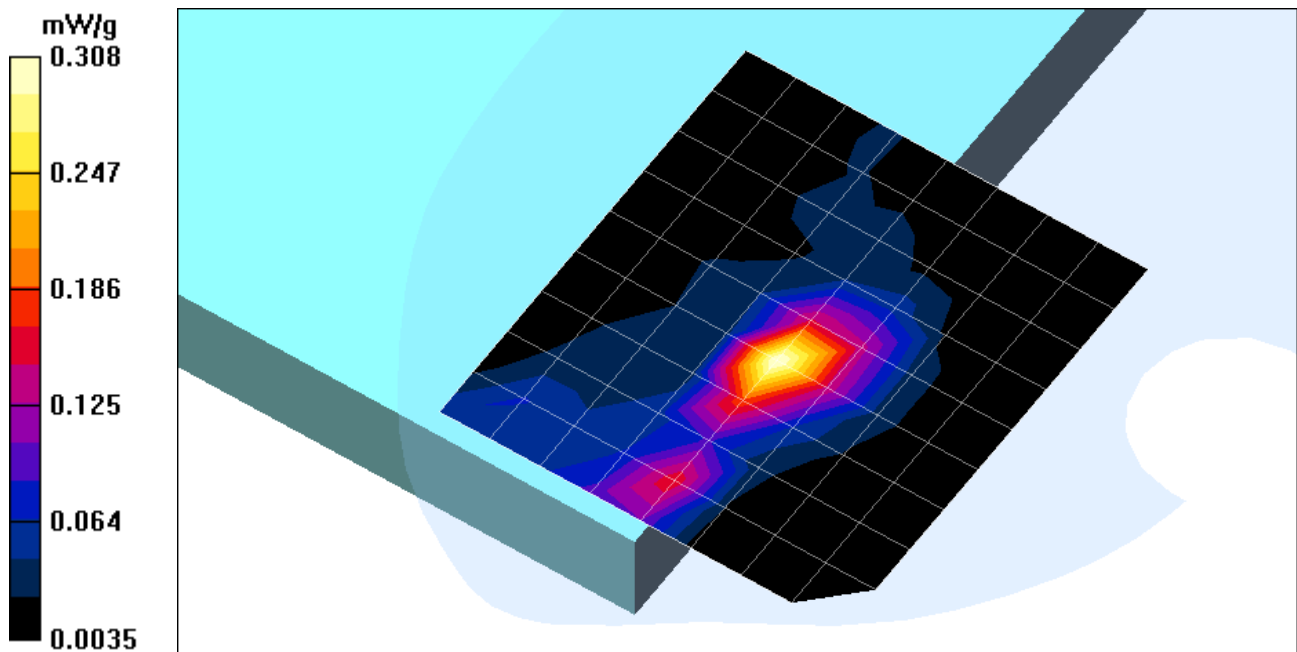
Reference Value = 4.25 V/m; Power Drift = -0.13 dB

Maximum value of SAR (measured) = 0.308 mW/g

Peak SAR (extrapolated) = 0.506 W/kg

SAR(1 g) = 0.273 mW/g; SAR(10 g) = 0.135 mW/g

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



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

Medium parameters used (interpolated): $f = 2437$ MHz; $\sigma = 1.98$ mho/m; $\epsilon_r = 53$; $\rho = 1000$ kg/m³

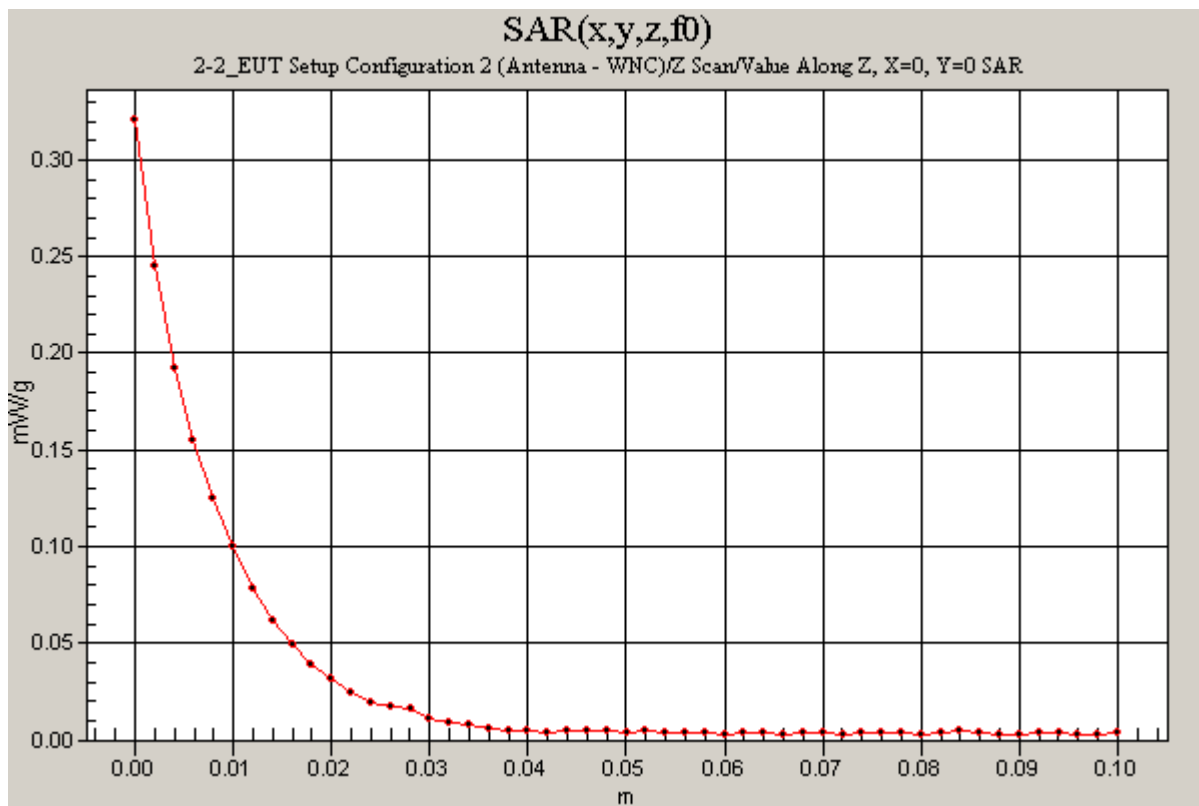
Phantom section: Flat Section

802.11b_M-ch/Z Scan (1x1x51): Measurement grid: $dx=20$ mm, $dy=20$ mm, $dz=2$ mm

Reference Value = 4.25 V/m; Power Drift = -0.14 dB

Maximum value of SAR (measured) = 0.321 mW/g

Info: Interpolated medium parameters used for SAR evaluation!



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

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

Medium parameters used (interpolated): $f = 2437$ MHz; $\sigma = 1.98$ mho/m; $\epsilon_r = 53$; $\rho = 1000$ 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

802.11g_M-ch/Area Scan (9x10x1): Measurement grid: dx=15mm, dy=15mm

Reference Value = 3.21 V/m; Power Drift = 0.2 dB

Maximum value of SAR (measured) = 0.164 mW/g

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

802.11g_M-ch/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm

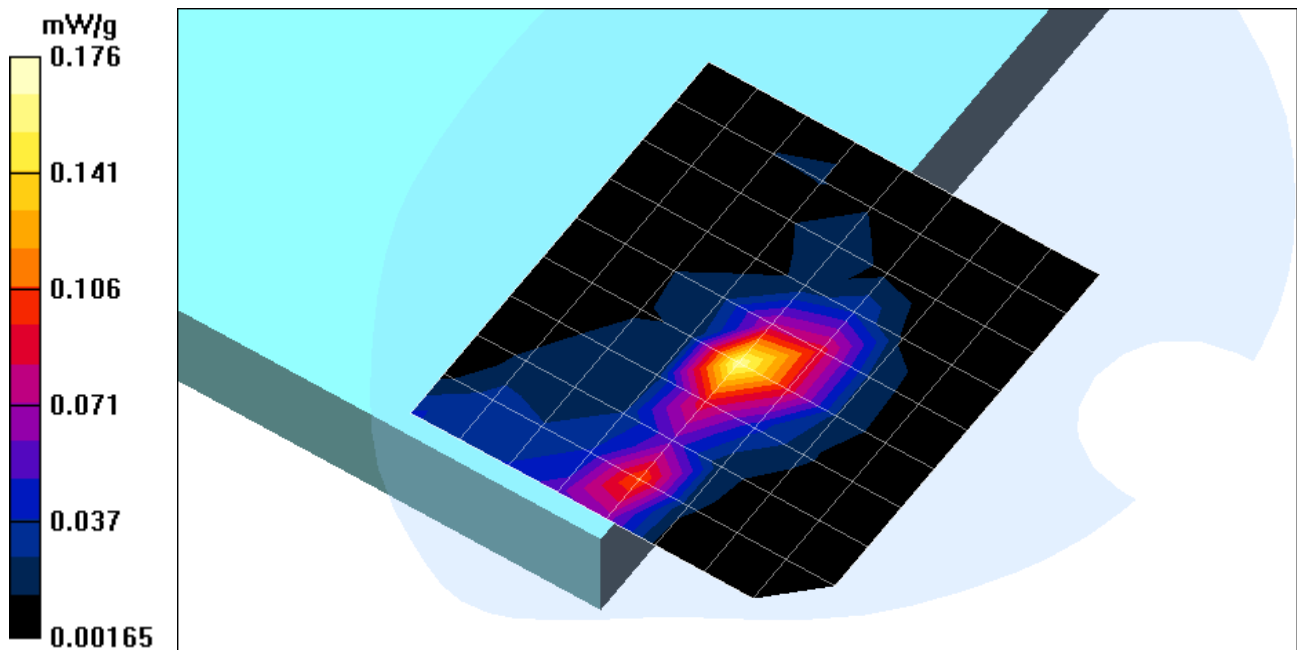
Reference Value = 3.21 V/m; Power Drift = 0.2 dB

Maximum value of SAR (measured) = 0.176 mW/g

Peak SAR (extrapolated) = 0.289 W/kg

SAR(1 g) = 0.158 mW/g; SAR(10 g) = 0.079 mW/g

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



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

Medium parameters used (interpolated): $f = 2437$ MHz; $\sigma = 1.98$ mho/m; $\epsilon_r = 53$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

802.11g_M-ch/Z Scan (1x1x51): Measurement grid: dx=20mm, dy=20mm, dz=2mm

Reference Value = 3.21 V/m; Power Drift = 0.2 dB

Maximum value of SAR (measured) = 0.179 mW/g

Info: Interpolated medium parameters used for SAR evaluation!

