

Test Laboratory: Compliance Certification Services

File Name: [1_EUT Setup Configuration 1_Aux Antenna.da4](#)

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

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

Ambient Temp.: 25.0 deg. C; Liquid Temp.: 23.0 deg. C

Communication System: 802.11a; Frequency: 5180 MHz; Duty Cycle: 1:1

Medium parameters used (interpolated): $f = 5180$ MHz; $\sigma = 5.39$ mho/m; $\epsilon_r = 48.4$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY4 Configuration:

- Probe: ES3DV2 - SN3021; ConvF(1.4, 1.4, 1.4); Calibrated: 7/29/2003

- Sensor-Surface: 3mm (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

L-ch/Area Scan (11x15x1): Measurement grid: dx=10mm, dy=10mm

L-ch/Zoom Scan (7x7x8)/Cube 0: Measurement grid: dx=4.3mm, dy=4.3mm, dz=3mm

Reference Value = 2.15 V/m; Power Drift = 0.2 dB

Maximum value of SAR (measured) = 0.147 mW/g

Peak SAR (extrapolated) = 15919.6 W/kg

SAR(1 g) = 0.102 mW/g; SAR(10 g) = 0.047 mW/g

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

L-ch/Zoom Scan (7x7x8)/Cube 1: Measurement grid: dx=4.3mm, dy=4.3mm, dz=3mm

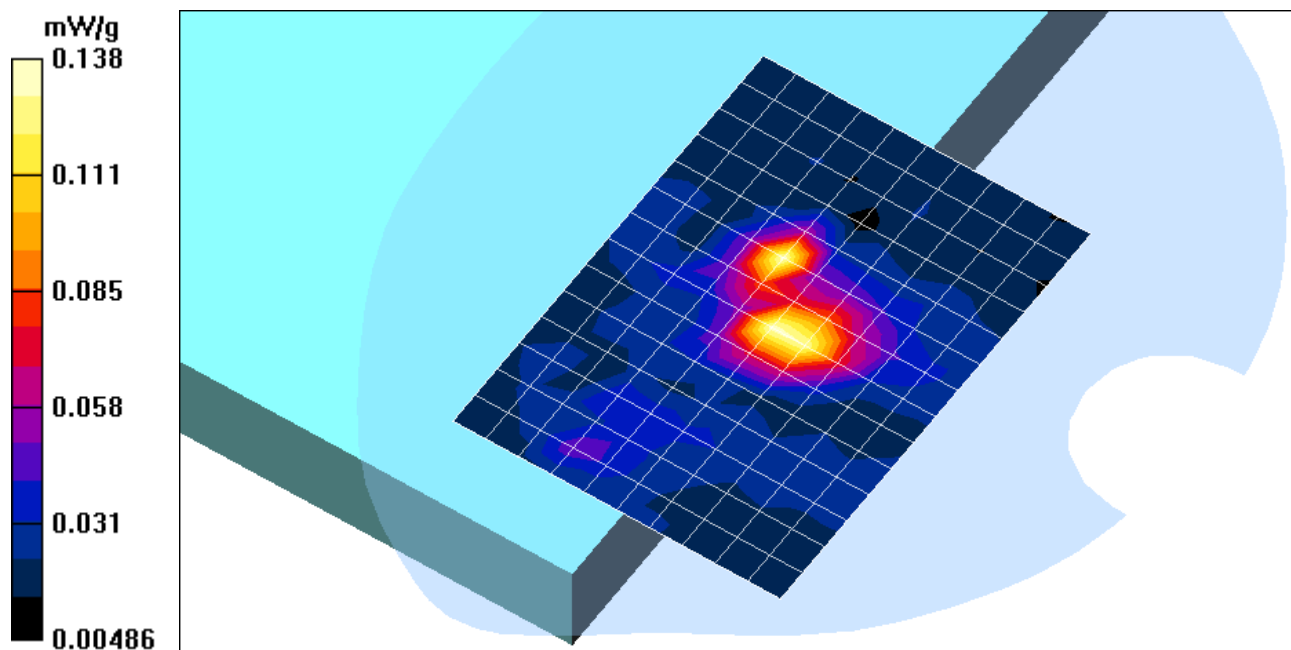
Reference Value = 2.15 V/m; Power Drift = 0.2 dB

Maximum value of SAR (measured) = 0.138 mW/g

Peak SAR (extrapolated) = 0.267 W/kg

SAR(1 g) = 0.089 mW/g; SAR(10 g) = 0.039 mW/g

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



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File Name: [1_EUT Setup Configuration 1_Aux Antenna.da4](#)

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

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

Ambient Temp.: 25.0 deg. C; Liquid Temp.: 24.0 deg. C

Communication System: 802.11a; Frequency: 5260 MHz; Duty Cycle: 1:1

Medium parameters used (interpolated): $f = 5260$ MHz; $\sigma = 5.55$ mho/m; $\epsilon_r = 48.2$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY4 Configuration:

- Probe: ES3DV2 - SN3021; ConvF(1.4, 1.4, 1.4); Calibrated: 7/29/2003

- Sensor-Surface: 3mm (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

M-ch/Area Scan (11x15x1): Measurement grid: dx=10mm, dy=10mm

M-ch/Zoom Scan (7x7x8)/Cube 0: Measurement grid: dx=4.3mm, dy=4.3mm, dz=3mm

Reference Value = 4.62 V/m; Power Drift = 0.13 dB

Maximum value of SAR (measured) = 0.418 mW/g

Peak SAR (extrapolated) = 2.29 W/kg

SAR(1 g) = 0.302 mW/g; SAR(10 g) = 0.116 mW/g

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

M-ch/Zoom Scan (7x7x8)/Cube 1: Measurement grid: dx=4.3mm, dy=4.3mm, dz=3mm

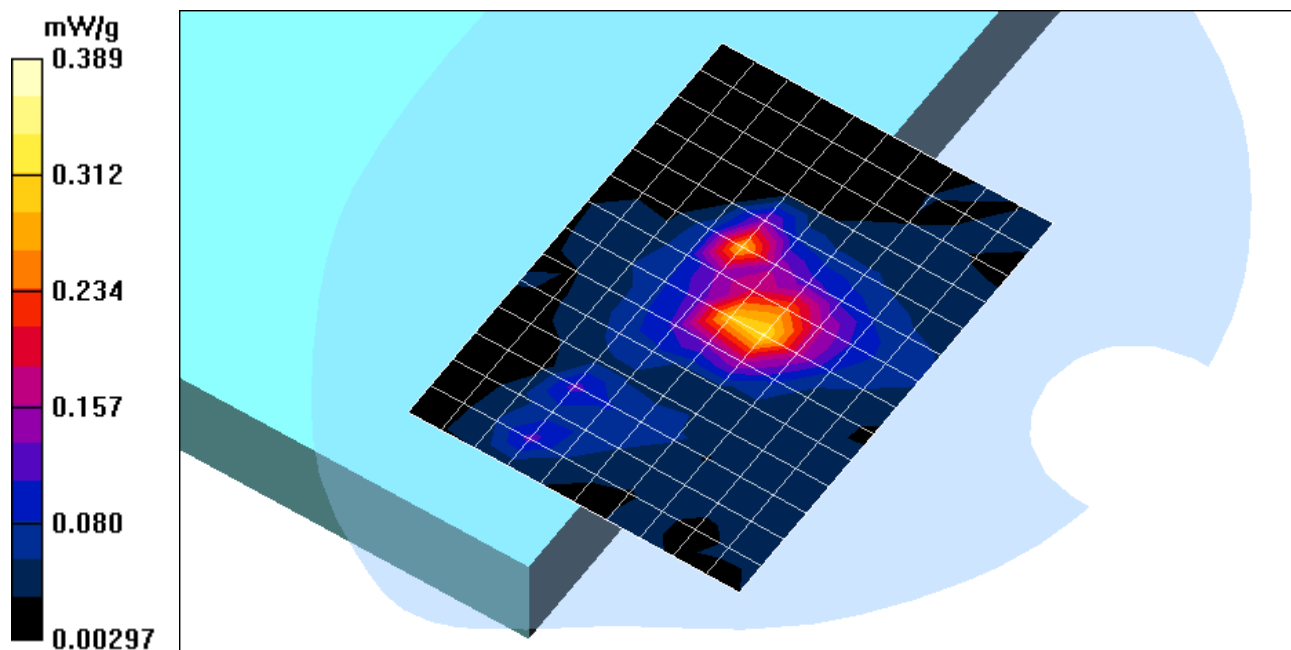
Reference Value = 4.62 V/m; Power Drift = 0.13 dB

Maximum value of SAR (measured) = 0.389 mW/g

Peak SAR (extrapolated) = 0.987 W/kg

SAR(1 g) = 0.259 mW/g; SAR(10 g) = 0.091 mW/g

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



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

Communication System: 802.11a; Frequency: 5260 MHz; Duty Cycle: 1:1

Medium parameters used (interpolated): $f = 5260$ MHz; $\sigma = 5.55$ mho/m; $\epsilon_r = 48.2$; $\rho = 1000$ kg/m³

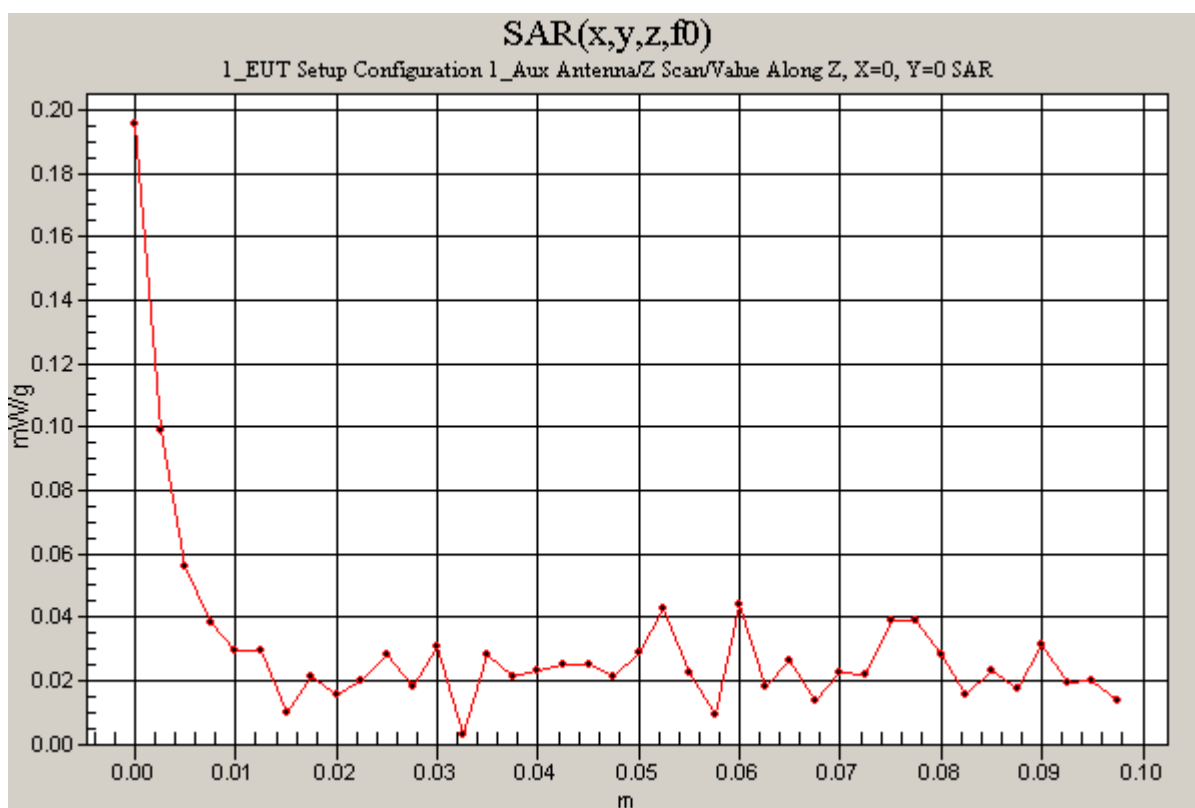
Phantom section: Flat Section

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

Reference Value = 4.62 V/m; Power Drift = 0.14 dB

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

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



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File Name: [1_EUT Setup Configuration 1_Aux Antenna.da4](#)

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

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

Ambient Temp.: 25.0 deg. C; Liquid Temp.: 24.0 deg. C

Communication System: 802.11a; Frequency: 5320 MHz; Duty Cycle: 1:1

Medium parameters used (interpolated): $f = 5320$ MHz; $\sigma = 5.62$ mho/m; $\epsilon_r = 48.1$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY4 Configuration:

- Probe: ES3DV2 - SN3021; ConvF(1.4, 1.4, 1.4); Calibrated: 7/29/2003

- Sensor-Surface: 3mm (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

H-ch/Area Scan (11x15x1): Measurement grid: dx=10mm, dy=10mm

H-ch/Zoom Scan (7x7x8)/Cube 0: Measurement grid: dx=4.3mm, dy=4.3mm, dz=3mm

Reference Value = 4.45 V/m; Power Drift = -0.1 dB

Maximum value of SAR (measured) = 0.374 mW/g

Peak SAR (extrapolated) = 1.09 W/kg

SAR(1 g) = 0.287 mW/g; SAR(10 g) = 0.112 mW/g

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

H-ch/Zoom Scan (7x7x8)/Cube 1: Measurement grid: dx=4.3mm, dy=4.3mm, dz=3mm

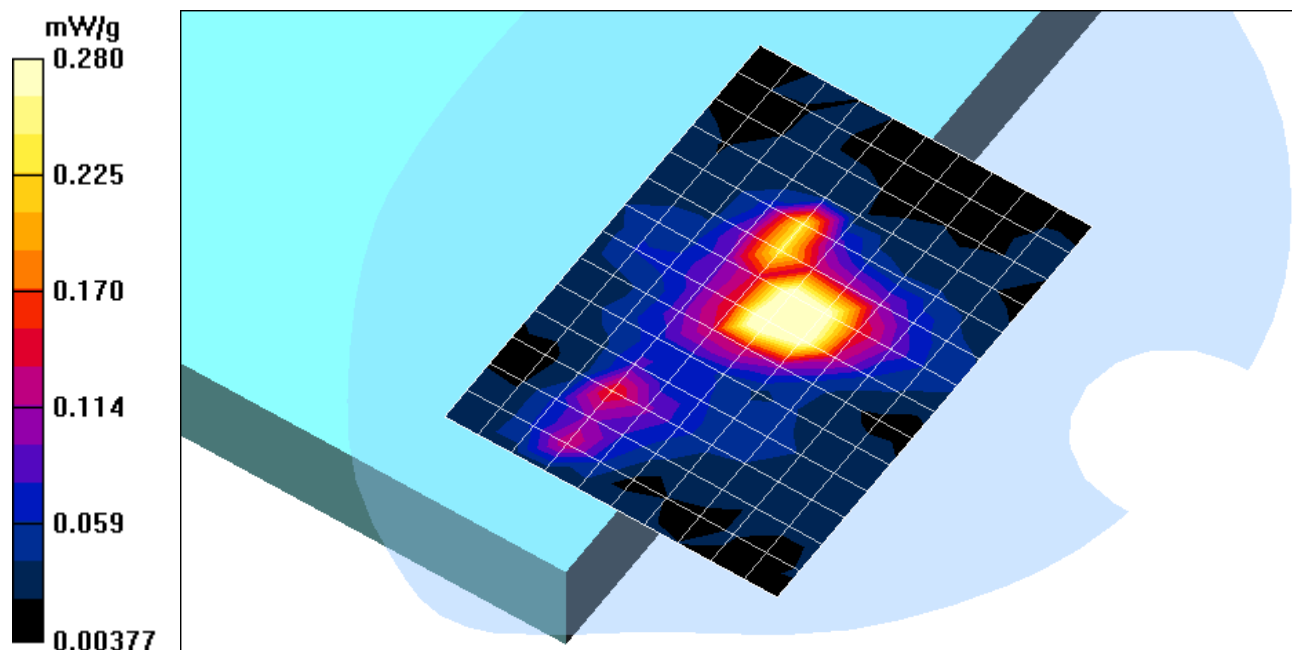
Reference Value = 4.45 V/m; Power Drift = -0.1 dB

Maximum value of SAR (measured) = 0.280 mW/g

Peak SAR (extrapolated) = 0.777 W/kg

SAR(1 g) = 0.200 mW/g; SAR(10 g) = 0.073 mW/g

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



Test Laboratory: Compliance Certification Services

File Name: [2_EUT Setup Configuration 2_Main Antenna.da4](#)

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

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

Ambient Temp.: 25.0 deg. C; Liquid Temp.: 24.0 deg. C

Communication System: 802.11a; Frequency: 5260 MHz; Duty Cycle: 1:1

Medium parameters used (interpolated): $f = 5260$ MHz; $\sigma = 5.55$ mho/m; $\epsilon_r = 48.2$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY4 Configuration:

- Probe: ES3DV2 - SN3021; ConvF(1.4, 1.4, 1.4); Calibrated: 7/29/2003

- Sensor-Surface: 3mm (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

M-ch/Area Scan (13x15x1): Measurement grid: dx=10mm, dy=10mm

M-ch/Zoom Scan (7x7x8)/Cube 0: Measurement grid: dx=4.3mm, dy=4.3mm, dz=3mm

Reference Value = 2.82 V/m; Power Drift = 0.1 dB

Maximum value of SAR (measured) = 0.247 mW/g

Peak SAR (extrapolated) = 0.611 W/kg

SAR(1 g) = 0.179 mW/g; SAR(10 g) = 0.084 mW/g

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

M-ch/Zoom Scan (7x7x8)/Cube 1: Measurement grid: dx=4.3mm, dy=4.3mm, dz=3mm

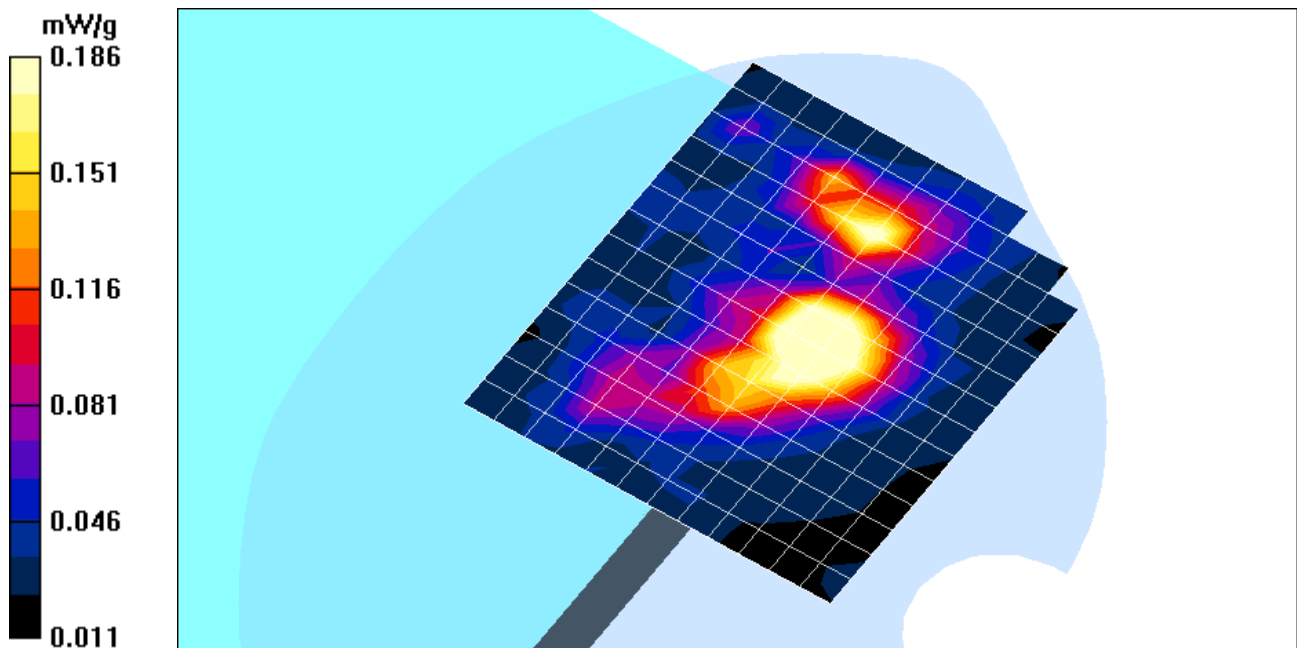
Reference Value = 2.82 V/m; Power Drift = 0.1 dB

Maximum value of SAR (measured) = 0.186 mW/g

Peak SAR (extrapolated) = 353.7 W/kg

SAR(1 g) = 0.133 mW/g; SAR(10 g) = 0.061 mW/g

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



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File Name: [2_EUT Setup Configuration 2_Main Antenna.da4](#)

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

Communication System: 802.11a; Frequency: 5260 MHz; Duty Cycle: 1:1

Medium parameters used (interpolated): $f = 5260$ MHz; $\sigma = 5.55$ mho/m; $\epsilon_r = 48.2$; $\rho = 1000$ kg/m³

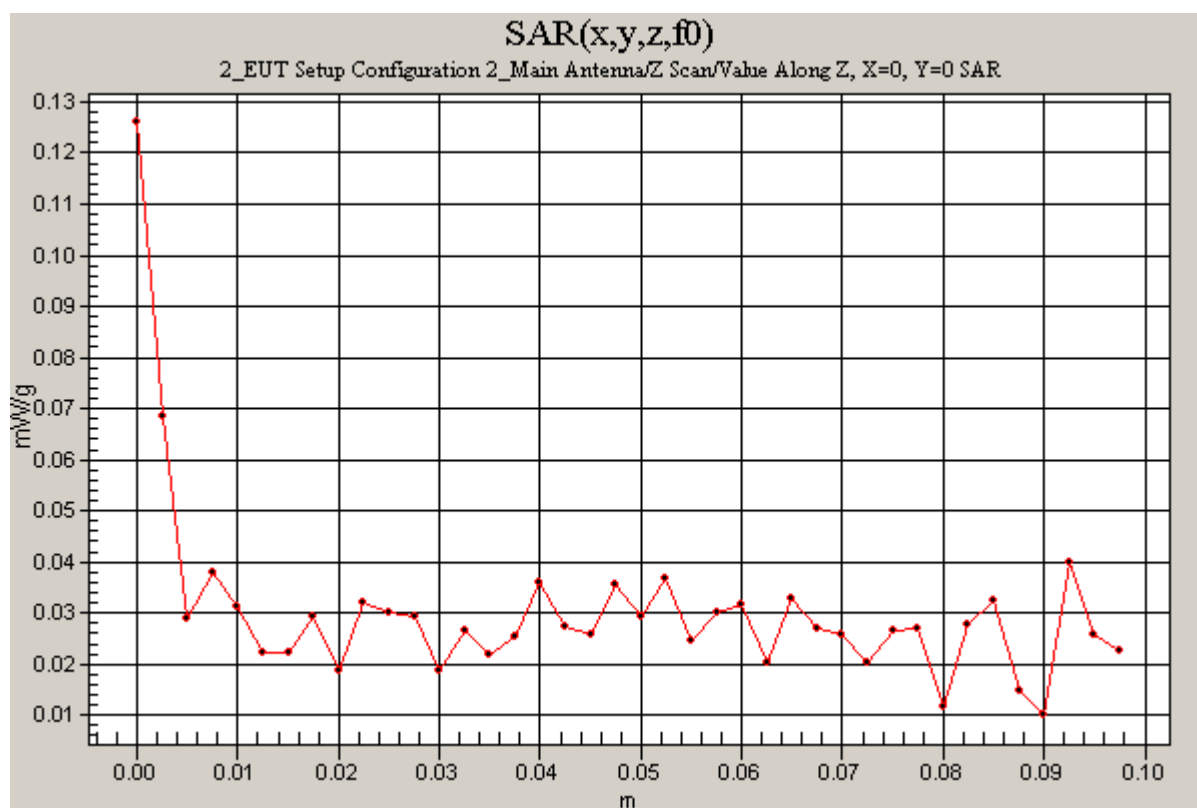
Phantom section: Flat Section

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

Reference Value = 2.82 V/m; Power Drift = -0.13 dB

Maximum value of SAR (measured) = 0.126 mW/g

Info: Interpolated medium parameters used for SAR evaluation!



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File Name: [2_EUT Setup Configuration 2_Main Antenna.da4](#)

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

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

Ambient Temp.: 25.0 deg. C; Liquid Temp.: 24.0 deg. C

Communication System: 802.11a; Frequency: 5320 MHz; Duty Cycle: 1:1

Medium parameters used (interpolated): $f = 5320$ MHz; $\sigma = 5.62$ mho/m; $\epsilon_r = 48.1$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY4 Configuration:

- Probe: ES3DV2 - SN3021; ConvF(1.4, 1.4, 1.4); Calibrated: 7/29/2003

- Sensor-Surface: 3mm (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

H-ch/Area Scan (12x15x1): Measurement grid: dx=10mm, dy=10mm

H-ch/Zoom Scan (7x7x8)/Cube 0: Measurement grid: dx=4.3mm, dy=4.3mm, dz=3mm

Reference Value = 2.95 V/m; Power Drift = -0.17 dB

Maximum value of SAR (measured) = 0.230 mW/g

Peak SAR (extrapolated) = 0.543 W/kg

SAR(1 g) = 0.176 mW/g; SAR(10 g) = 0.087 mW/g

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

H-ch/Zoom Scan (7x7x8)/Cube 1: Measurement grid: dx=4.3mm, dy=4.3mm, dz=3mm

Reference Value = 2.95 V/m; Power Drift = -0.17 dB

Maximum value of SAR (measured) = 0.162 mW/g

Peak SAR (extrapolated) = 0.365 W/kg

SAR(1 g) = 0.116 mW/g; SAR(10 g) = 0.061 mW/g

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

