

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.: 24.0 deg. C**

Communication System: 5800MHz band; Frequency: 5745 MHz; Duty Cycle: 1:1

Medium parameters used (interpolated):  $f = 5745$  MHz;  $\sigma = 6.16$  mho/m;  $\epsilon_r = 47.2$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY4 Configuration:

- Probe: ES3DV2 - SN3021; ConvF(1.1, 1.1, 1.1); 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 = 3.53 V/m; Power Drift = 0.13 dB

Maximum value of SAR (measured) = 0.638 mW/g

Peak SAR (extrapolated) = 1.89 W/kg

**SAR(1 g) = 0.492 mW/g; SAR(10 g) = 0.196 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

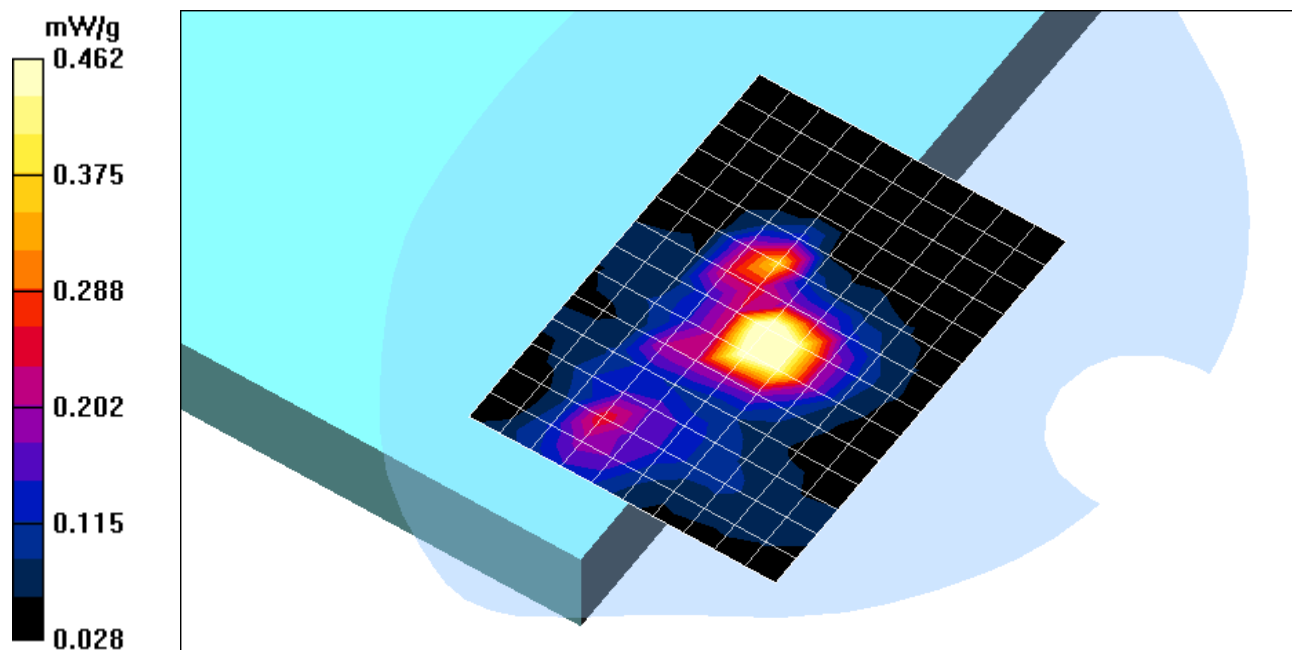
Reference Value = 3.53 V/m; Power Drift = 0.13 dB

Maximum value of SAR (measured) = 0.462 mW/g

Peak SAR (extrapolated) = 1.63 W/kg

**SAR(1 g) = 0.300 mW/g; SAR(10 g) = 0.128 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)**

Communication System: 5800MHz band; Frequency: 5745 MHz; Duty Cycle: 1:1

Medium parameters used (interpolated):  $f = 5745$  MHz;  $\sigma = 6.16$  mho/m;  $\epsilon_r = 47.2$ ;  $\rho = 1000$  kg/m<sup>3</sup>

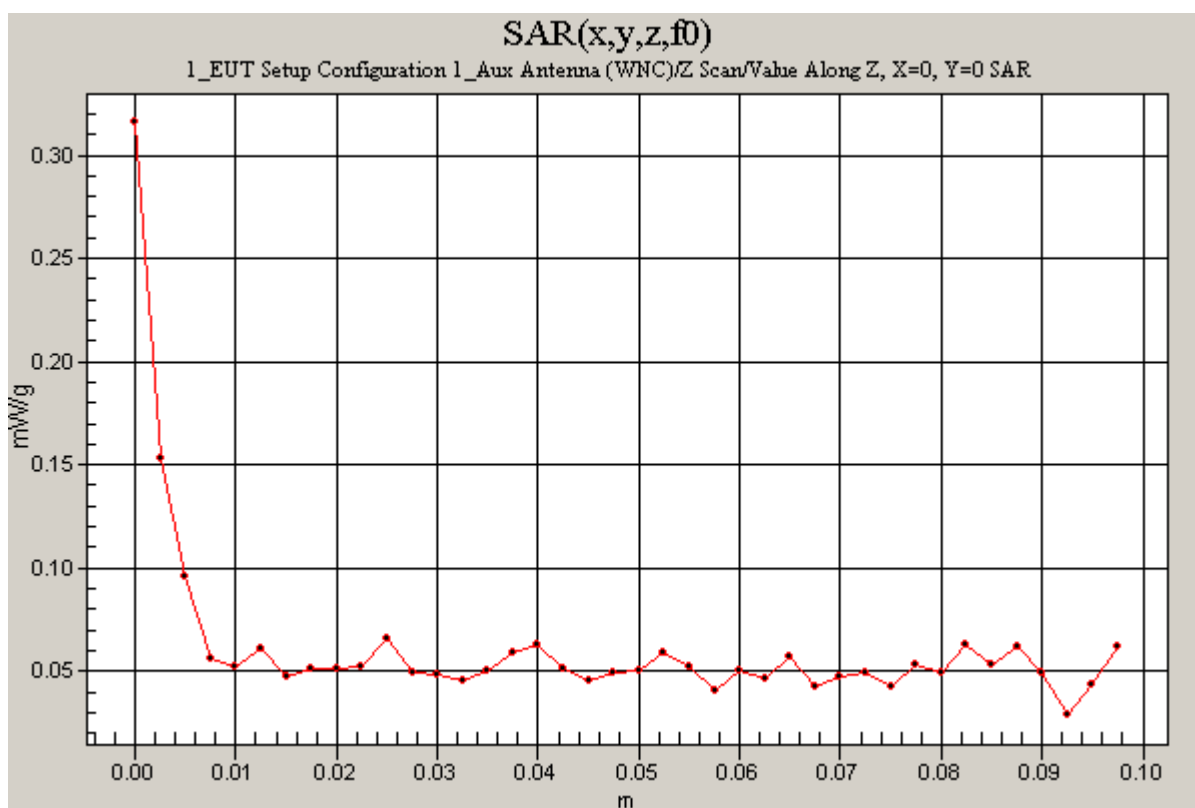
Phantom section: Flat Section

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

Reference Value = 3.53 V/m; Power Drift = 0.0 dB

Maximum value of SAR (measured) = 0.316 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: 5800MHz band; Frequency: 5785 MHz; Duty Cycle: 1:1

Medium parameters used (interpolated):  $f = 5785$  MHz;  $\sigma = 6.25$  mho/m;  $\epsilon_r = 47.1$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY4 Configuration:

- Probe: ES3DV2 - SN3021; ConvF(1.1, 1.1, 1.1); 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 = 4.29 V/m; Power Drift = 0.1 dB

Maximum value of SAR (measured) = 0.609 mW/g

Peak SAR (extrapolated) = 1.81 W/kg

**SAR(1 g) = 0.459 mW/g; SAR(10 g) = 0.184 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

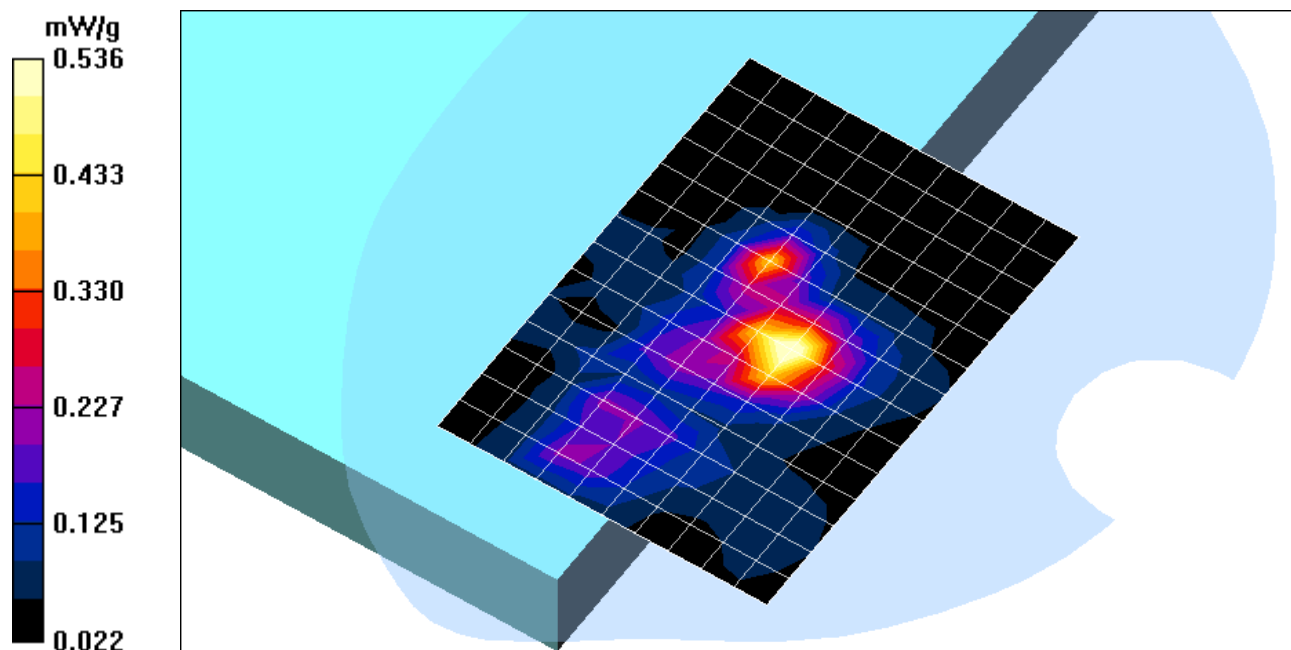
Reference Value = 4.29 V/m; Power Drift = 0.1 dB

Maximum value of SAR (measured) = 0.536 mW/g

Peak SAR (extrapolated) = 14.3 W/kg

**SAR(1 g) = 0.288 mW/g; SAR(10 g) = 0.127 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: 5800MHz band; Frequency: 5825 MHz; Duty Cycle: 1:1

Medium parameters used (interpolated):  $f = 5825$  MHz;  $\sigma = 6.31$  mho/m;  $\epsilon_r = 47.1$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY4 Configuration:

- Probe: ES3DV2 - SN3021; ConvF(1.1, 1.1, 1.1); 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 = 4.8 V/m; Power Drift = 0.1 dB

Maximum value of SAR (measured) = 0.475 mW/g

Peak SAR (extrapolated) = 1.52 W/kg

**SAR(1 g) = 0.356 mW/g; SAR(10 g) = 0.150 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

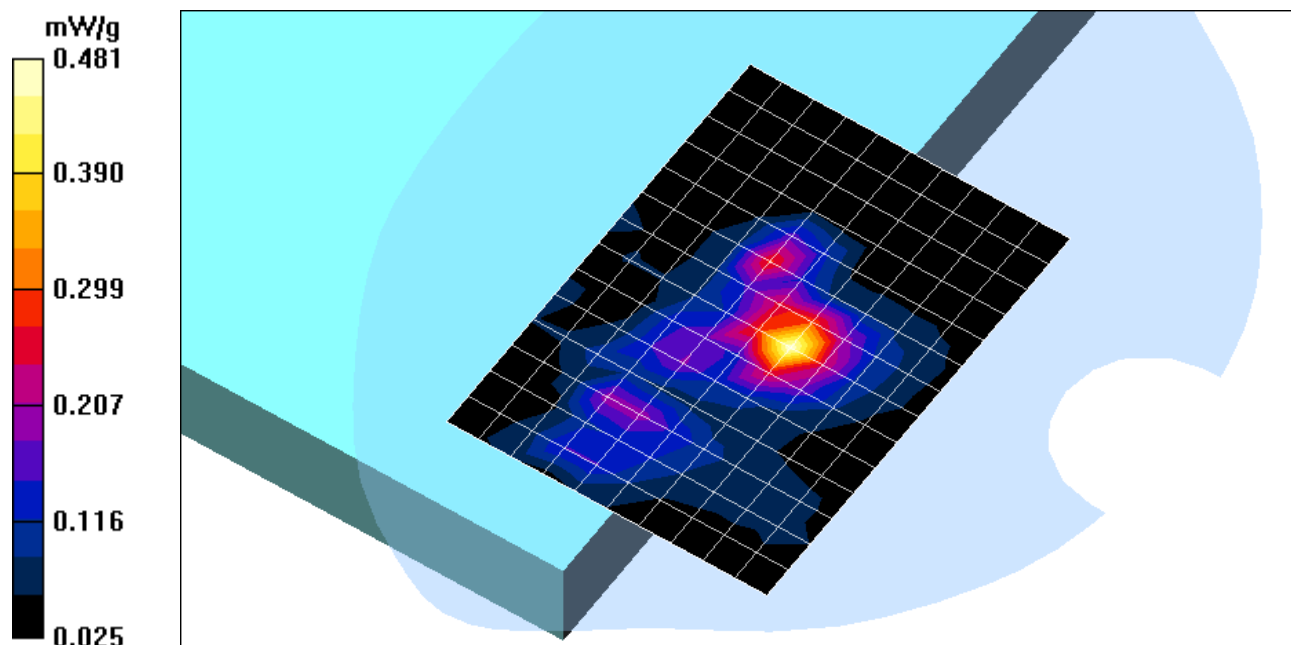
Reference Value = 4.8 V/m; Power Drift = 0.1 dB

Maximum value of SAR (measured) = 0.521 mW/g

Peak SAR (extrapolated) = 6.11 W/kg

**SAR(1 g) = 0.259 mW/g; SAR(10 g) = 0.117 mW/g**

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



Test Laboratory: Compliance Certification Services

File Name: [2\\_EUT Setup Configuration 2\\_Main Antenna \(WNC\).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: 5800MHz band; Frequency: 5745 MHz; Duty Cycle: 1:1

Medium parameters used (interpolated):  $f = 5745$  MHz;  $\sigma = 6.16$  mho/m;  $\epsilon_r = 47.2$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY4 Configuration:

- Probe: ES3DV2 - SN3021; ConvF(1.1, 1.1, 1.1); 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 (11x13x1):** Measurement grid: dx=10mm, dy=10mm

Reference Value = 3.64 V/m; Power Drift = -0.1 dB

Maximum value of SAR (measured) = 0.357 mW/g

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

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

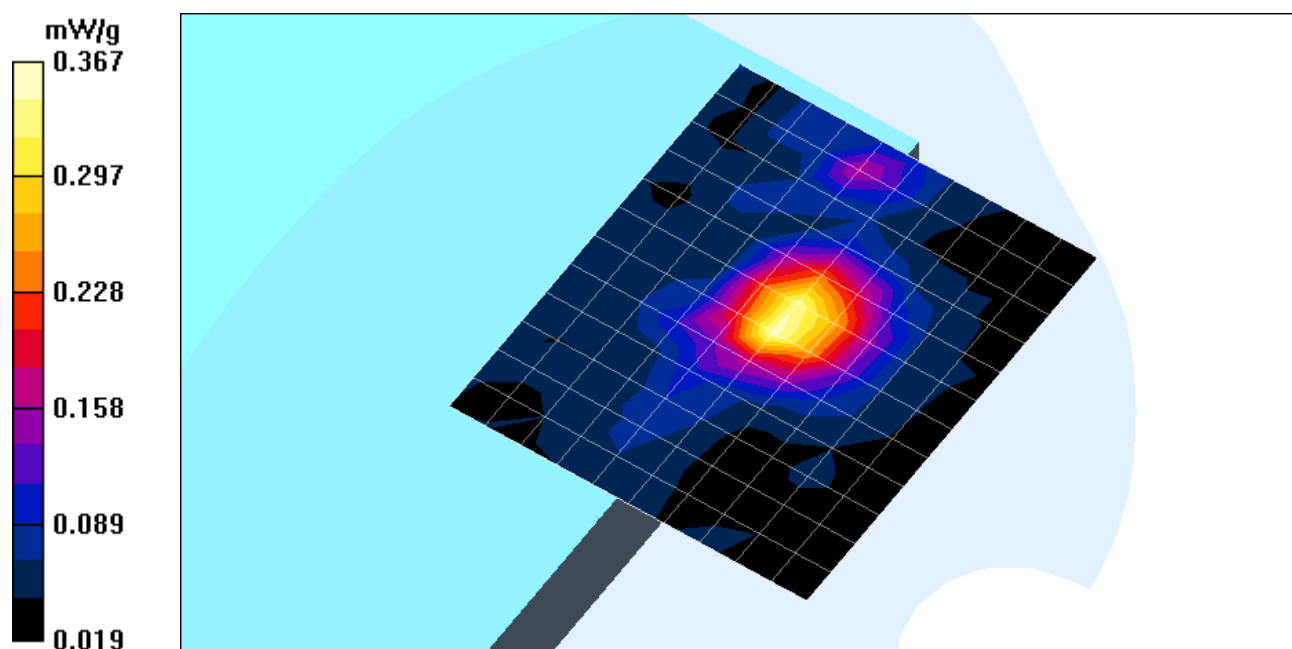
Reference Value = 3.64 V/m; Power Drift = -0.1 dB

Maximum value of SAR (measured) = 0.367 mW/g

Peak SAR (extrapolated) = 1.11 W/kg

**SAR(1 g) = 0.289 mW/g; SAR(10 g) = 0.138 mW/g**

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



Test Laboratory: Compliance Certification Services

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

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

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

Communication System: 5800MHz band; Frequency: 5745 MHz; Duty Cycle: 1:1

Medium parameters used (interpolated):  $f = 5745$  MHz;  $\sigma = 6.16$  mho/m;  $\epsilon_r = 47.2$ ;  $\rho = 1000$  kg/m<sup>3</sup>

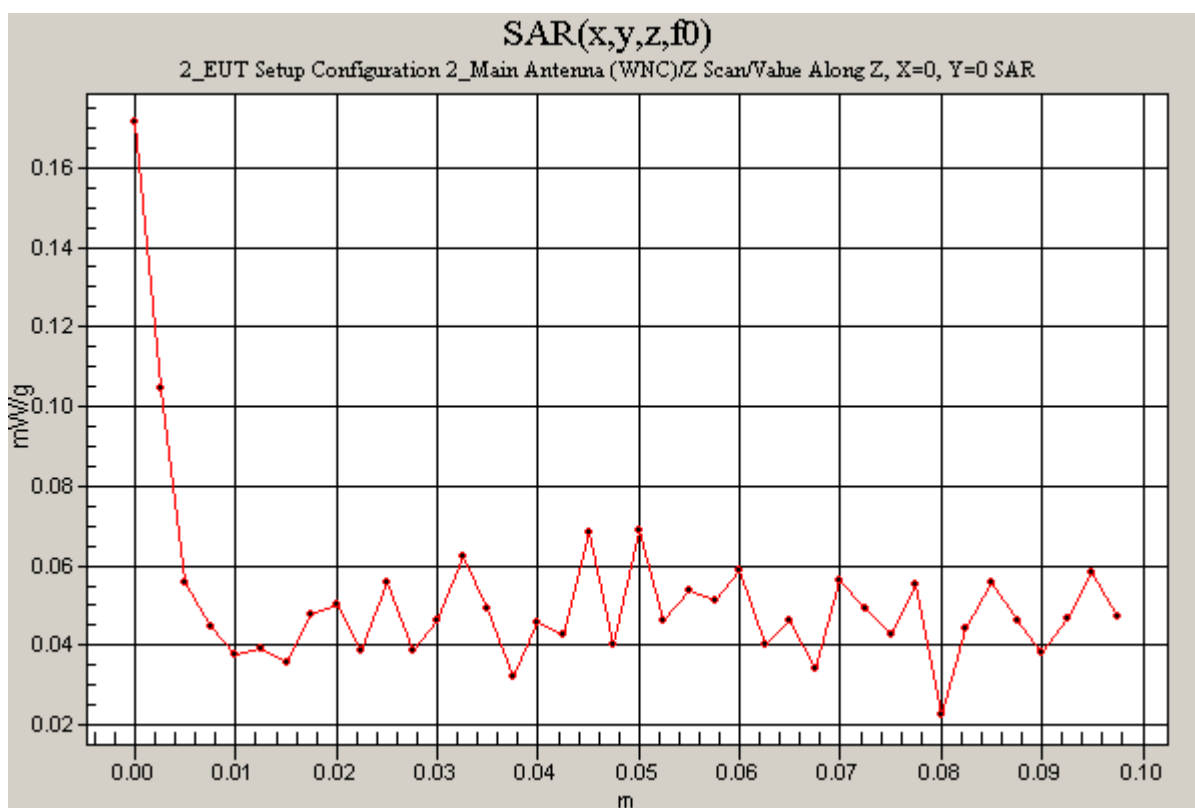
Phantom section: Flat Section

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

Reference Value = 3.64 V/m; Power Drift = -0.1 dB

Maximum value of SAR (measured) = 0.171 mW/g

Info: Interpolated medium parameters used for SAR evaluation!



Test Laboratory: Compliance Certification Services

File Name: [2\\_EUT Setup Configuration 2\\_Main Antenna \(WNC\).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.: 23.0 deg. C**

Communication System: 5800MHz band; Frequency: 5785 MHz; Duty Cycle: 1:1

Medium parameters used (interpolated):  $f = 5785 \text{ MHz}$ ;  $\sigma = 6.25 \text{ mho/m}$ ;  $\epsilon_r = 47.1$ ;  $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

DASY4 Configuration:

- Probe: ES3DV2 - SN3021; ConvF(1.1, 1.1, 1.1); 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 (11x13x1):** Measurement grid:  $dx=10\text{mm}$ ,  $dy=10\text{mm}$

Reference Value = 3.77 V/m; Power Drift = 0.14 dB

Maximum value of SAR (measured) = 0.430 mW/g

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

**M-ch/Zoom Scan (7x7x8)/Cube 0:** Measurement grid:  $dx=4.3\text{mm}$ ,  $dy=4.3\text{mm}$ ,  $dz=3\text{mm}$

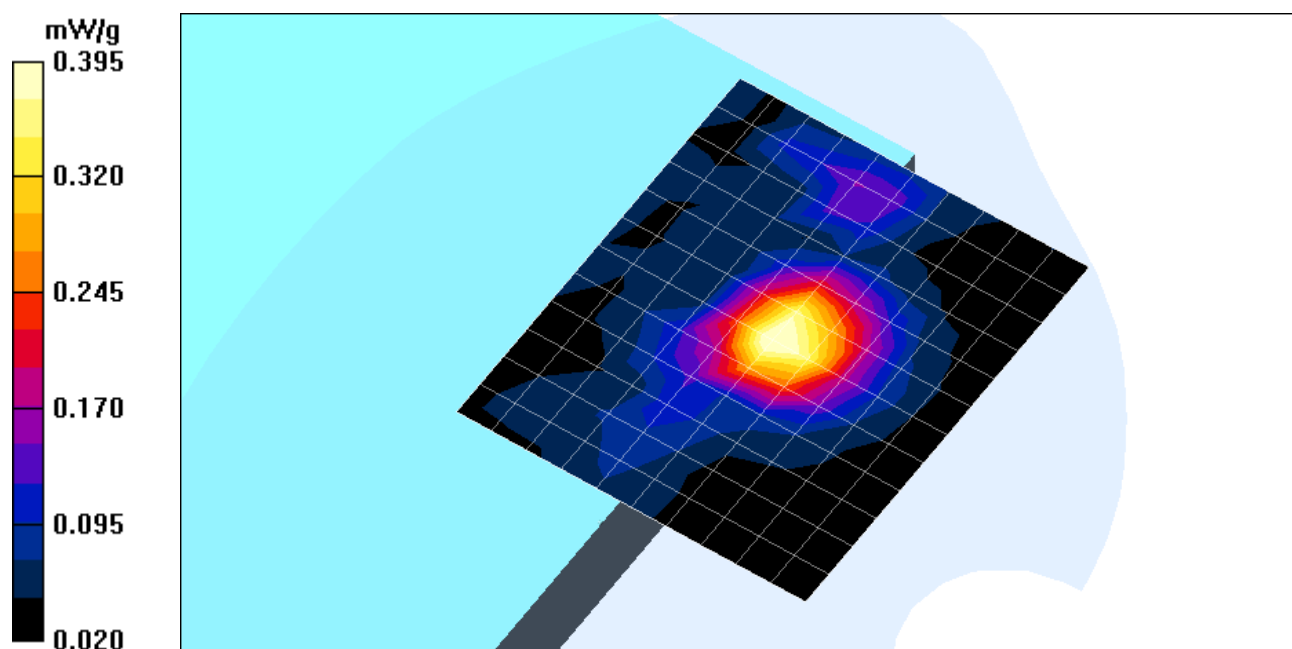
Reference Value = 3.77 V/m; Power Drift = 0.14 dB

Maximum value of SAR (measured) = 0.395 mW/g

Peak SAR (extrapolated) = 1.06 W/kg

**SAR(1 g) = 0.278 mW/g; SAR(10 g) = 0.143 mW/g**

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



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**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: 5800MHz band; Frequency: 5825 MHz; Duty Cycle: 1:1

Medium parameters used (interpolated):  $f = 5825$  MHz;  $\sigma = 6.31$  mho/m;  $\epsilon_r = 47.1$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY4 Configuration:

- Probe: ES3DV2 - SN3021; ConvF(1.1, 1.1, 1.1); 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 (11x13x1):** Measurement grid: dx=10mm, dy=10mm

Reference Value = 3.85 V/m; Power Drift = -0.0 dB

Maximum value of SAR (measured) = 0.324 mW/g

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

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

Reference Value = 3.85 V/m; Power Drift = -0.0 dB

Maximum value of SAR (measured) = 0.329 mW/g

Peak SAR (extrapolated) = 1.14 W/kg

**SAR(1 g) = 0.253 mW/g; SAR(10 g) = 0.128 mW/g**

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

