

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 (Hitachi)

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

Reference Value = 2.91 V/m; Power Drift = -0.18 dB

Maximum value of SAR (measured) = 0.256 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

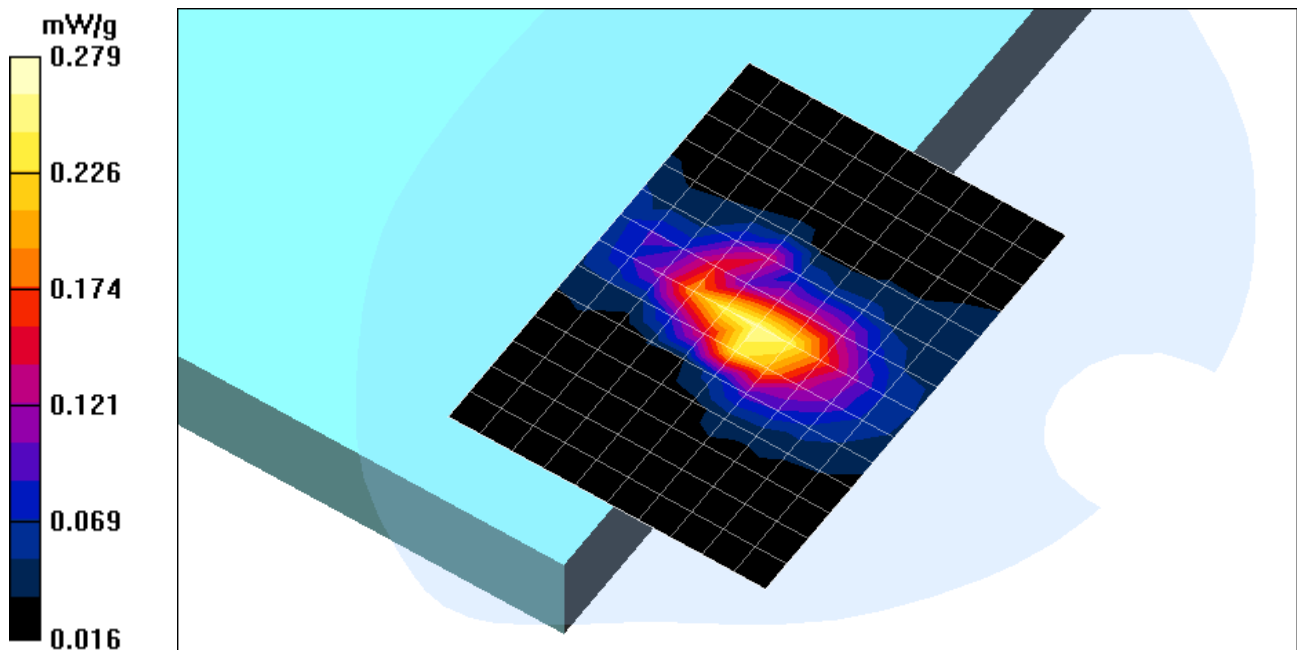
Reference Value = 2.91 V/m; Power Drift = -0.18 dB

Maximum value of SAR (measured) = 0.279 mW/g

Peak SAR (extrapolated) = 0.673 W/kg

SAR(1 g) = 0.214 mW/g; SAR(10 g) = 0.098 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: 1_EUT Setup Configuration 1_Aux Antenna (Hitachi)

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

Reference Value = 3.29 V/m; Power Drift = 0.13 dB

Maximum value of SAR (measured) = 0.442 mW/g

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

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

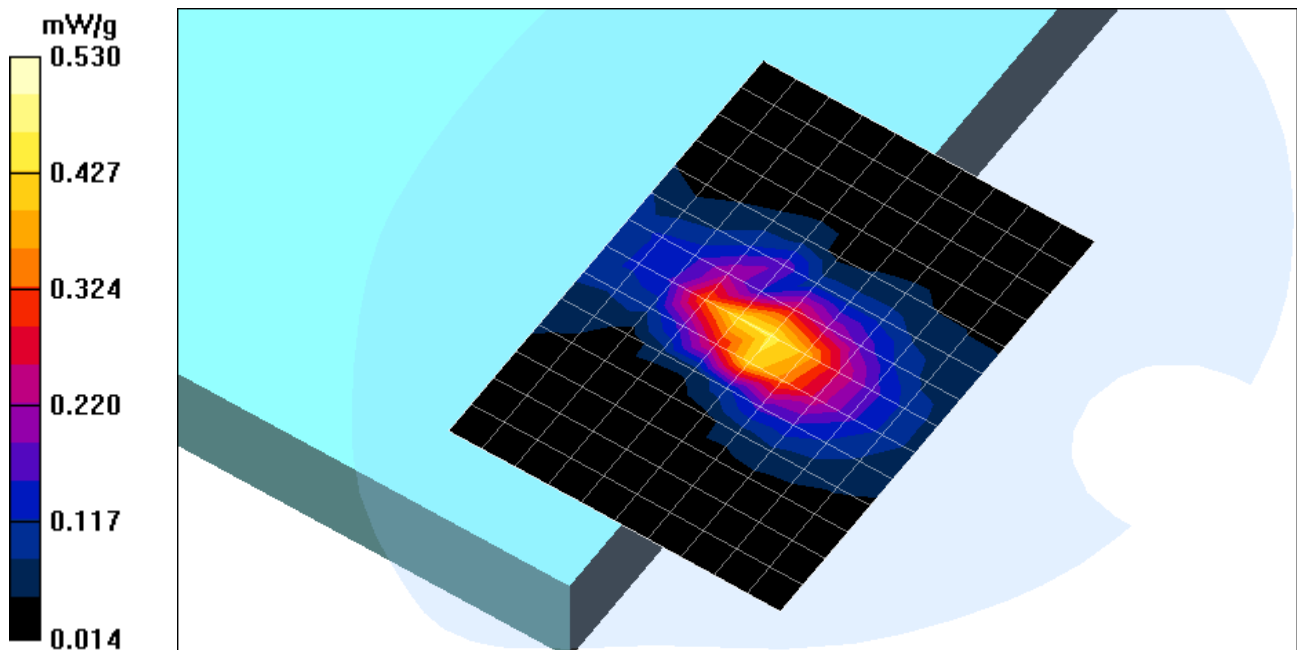
Reference Value = 3.29 V/m; Power Drift = 0.13 dB

Maximum value of SAR (measured) = 0.530 mW/g

Peak SAR (extrapolated) = 1.95 W/kg

SAR(1 g) = 0.379 mW/g; SAR(10 g) = 0.161 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: 1_EUT Setup Configuration 1_Aux Antenna (Hitachi)

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

Reference Value = 3.55 V/m; Power Drift = -0.14 dB

Maximum value of SAR (measured) = 0.604 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

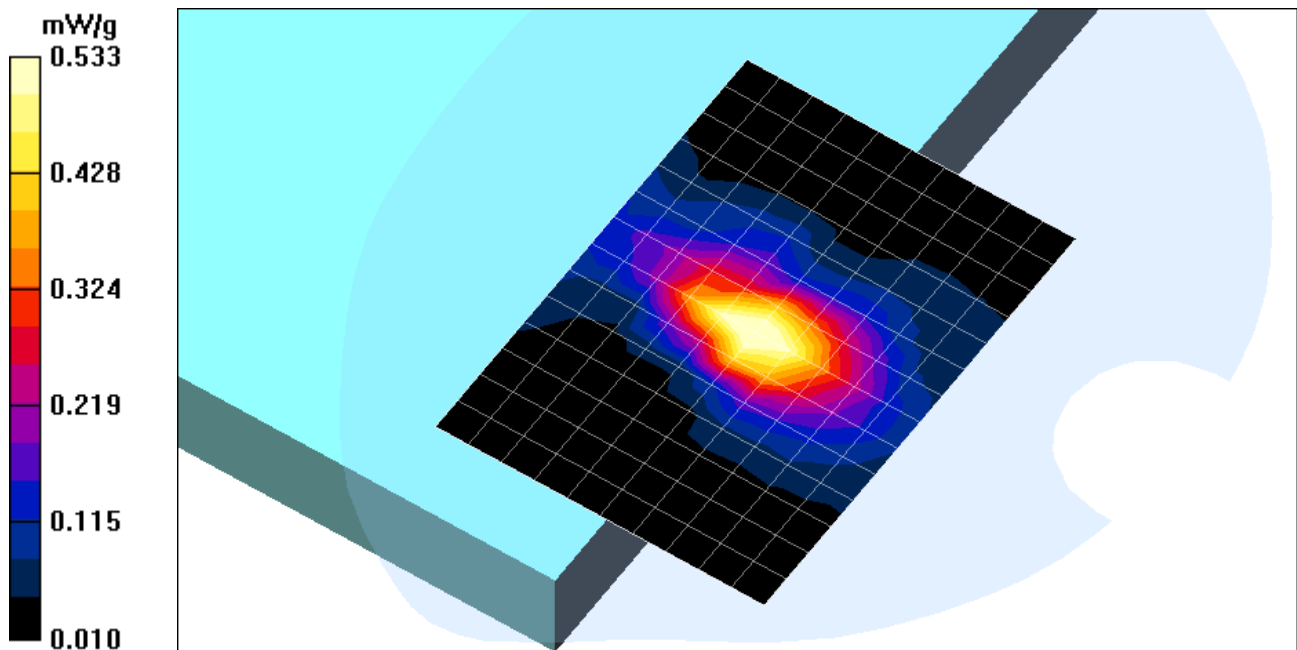
Reference Value = 3.55 V/m; Power Drift = -0.14 dB

Maximum value of SAR (measured) = 0.533 mW/g

Peak SAR (extrapolated) = 2.88 W/kg

SAR(1 g) = 0.397 mW/g; SAR(10 g) = 0.122 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 (Hitachi)

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

Medium parameters used (interpolated): $f = 5320$ MHz; $\sigma = 5.26$ mho/m; $\epsilon_r = 48.1$; $\rho = 1000$ kg/m³

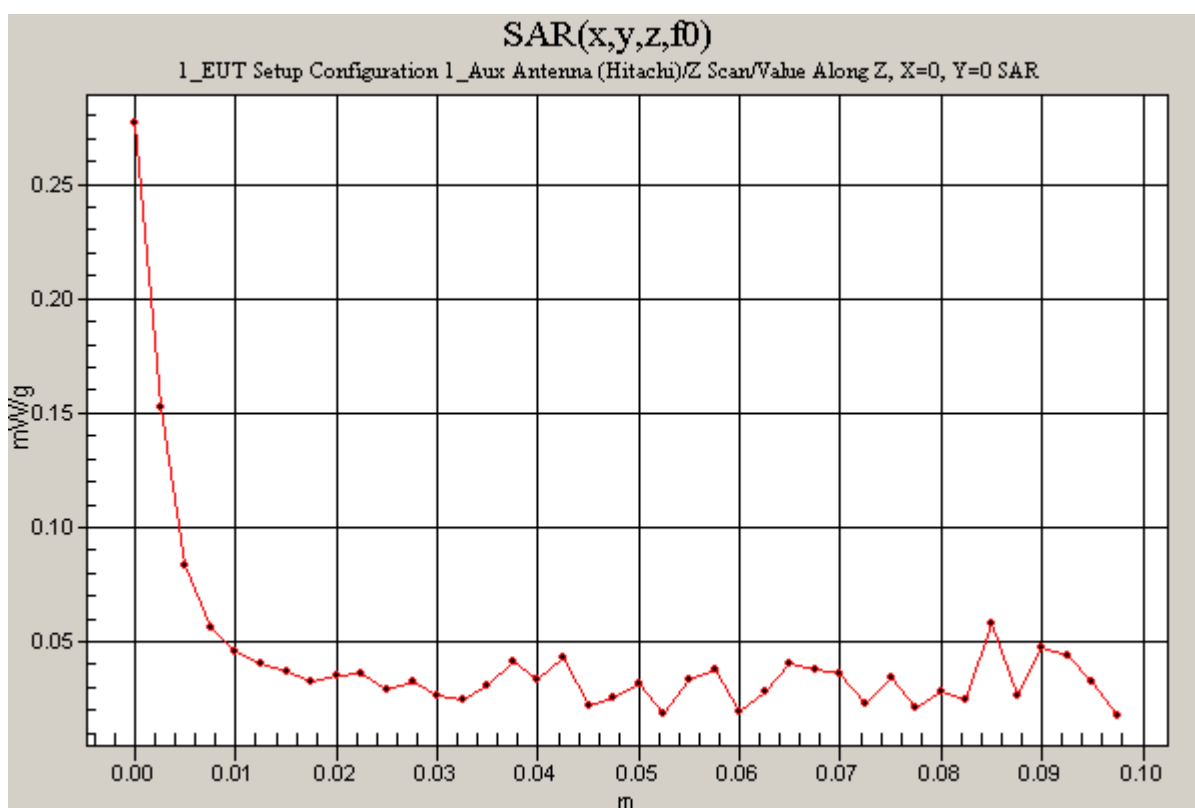
Phantom section: Flat Section

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

Reference Value = 3.55 V/m; Power Drift = -1.4 dB

Maximum value of SAR (measured) = 0.533 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(Hitachi)

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

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

Medium parameters used (interpolated): $f = 5180 \text{ MHz}$; $\sigma = 5.39 \text{ mho/m}$; $\epsilon_r = 48.4$; $\rho = 1000 \text{ kg/m}^3$

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 (12x15x1): Measurement grid: $dx=10\text{mm}$, $dy=10\text{mm}$

Reference Value = 2.18 V/m; Power Drift = -0.1 dB

Maximum value of SAR (measured) = 0.538 mW/g

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

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

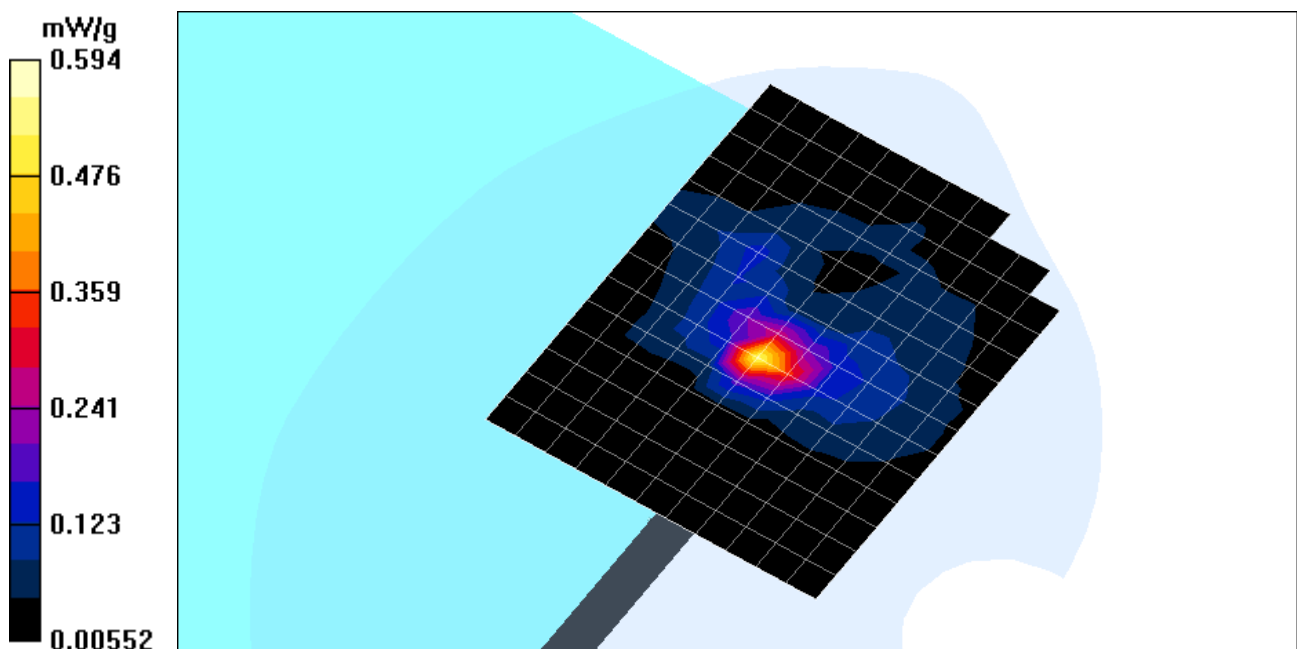
Reference Value = 2.18 V/m; Power Drift = -0.1 dB

Maximum value of SAR (measured) = 0.594 mW/g

Peak SAR (extrapolated) = 1.49 W/kg

SAR(1 g) = 0.405 mW/g; SAR(10 g) = 0.134 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 (Hitachi)

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 (12x15x1): Measurement grid: dx=10mm, dy=10mm

Reference Value = 2.27 V/m; Power Drift = 0.2 dB

Maximum value of SAR (measured) = 1.09 mW/g

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

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

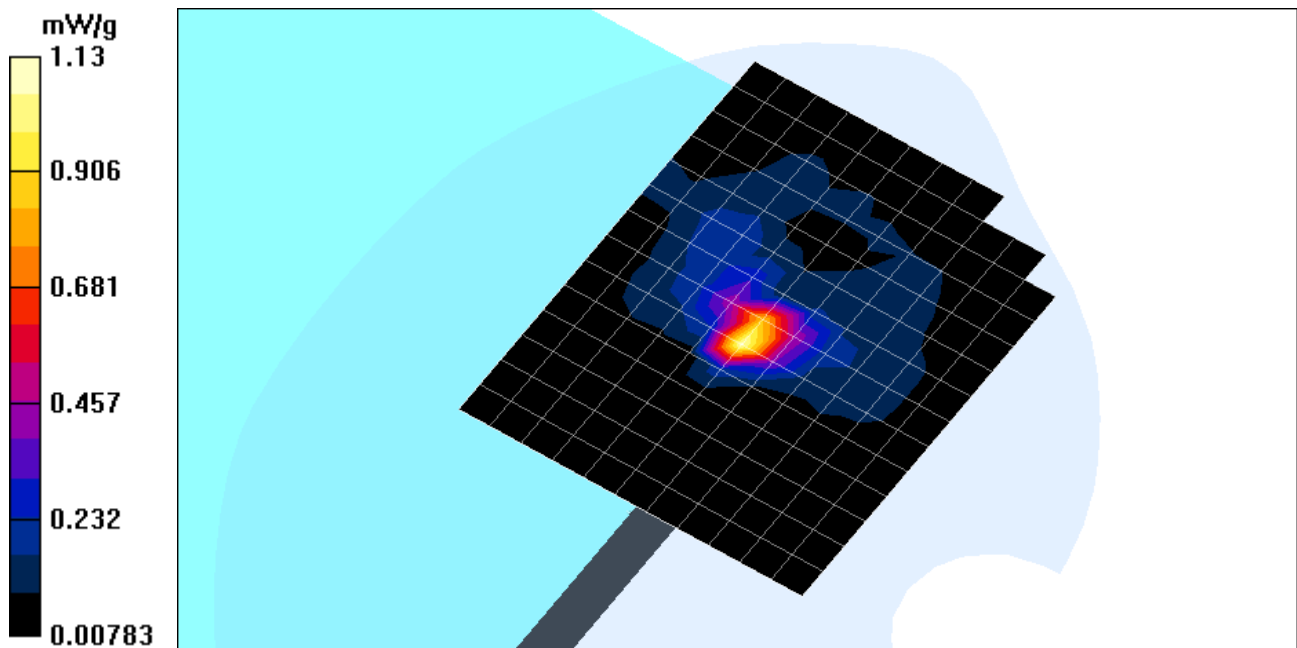
Reference Value = 2.27 V/m; Power Drift = 0.2 dB

Maximum value of SAR (measured) = 1.13 mW/g

Peak SAR (extrapolated) = 3.41 W/kg

SAR(1 g) = 0.804 mW/g; SAR(10 g) = 0.249 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 (Hitachi)

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

Reference Value = 2.23 V/m; Power Drift = -0.1 dB

Maximum value of SAR (measured) = 1.21 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

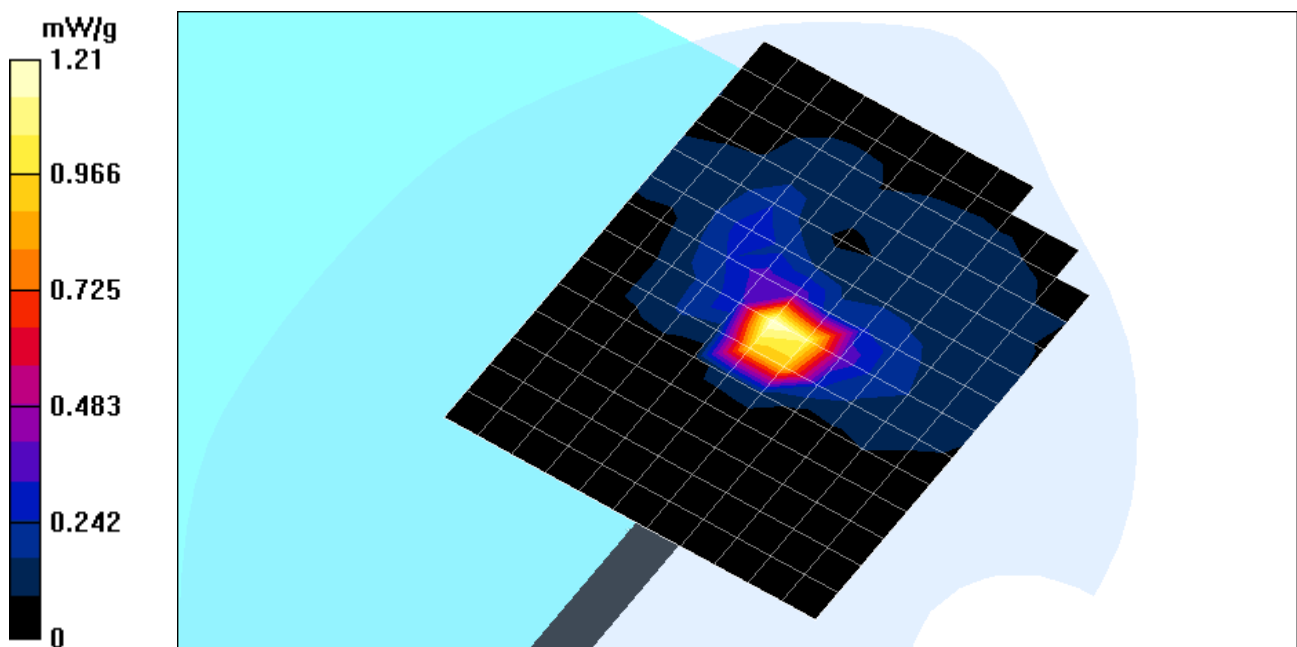
Reference Value = 2.23 V/m; Power Drift = -0.1 dB

Maximum value of SAR (measured) = 1.18 mW/g

Peak SAR (extrapolated) = 3.58 W/kg

SAR(1 g) = 0.87 mW/g; SAR(10 g) = 0.258 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 (Hitachi)

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

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

Reference Value = 2.23 V/m; Power Drift = -0.19 dB

Maximum value of SAR (measured) = 0.522 mW/g

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

