

Test Laboratory: Compliance Certification Services

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

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

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

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

Communication System: 802.11b; Frequency: 2412 MHz; Duty Cycle: 1:1

Medium parameters used (interpolated): $f = 2412$ MHz; $\sigma = 1.95$ 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_L-ch/Area Scan (9x10x1): Measurement grid: dx=15mm, dy=15mm

Reference Value = 6.82 V/m; Power Drift = 0.2 dB

Maximum value of SAR (measured) = 0.240 mW/g

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

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

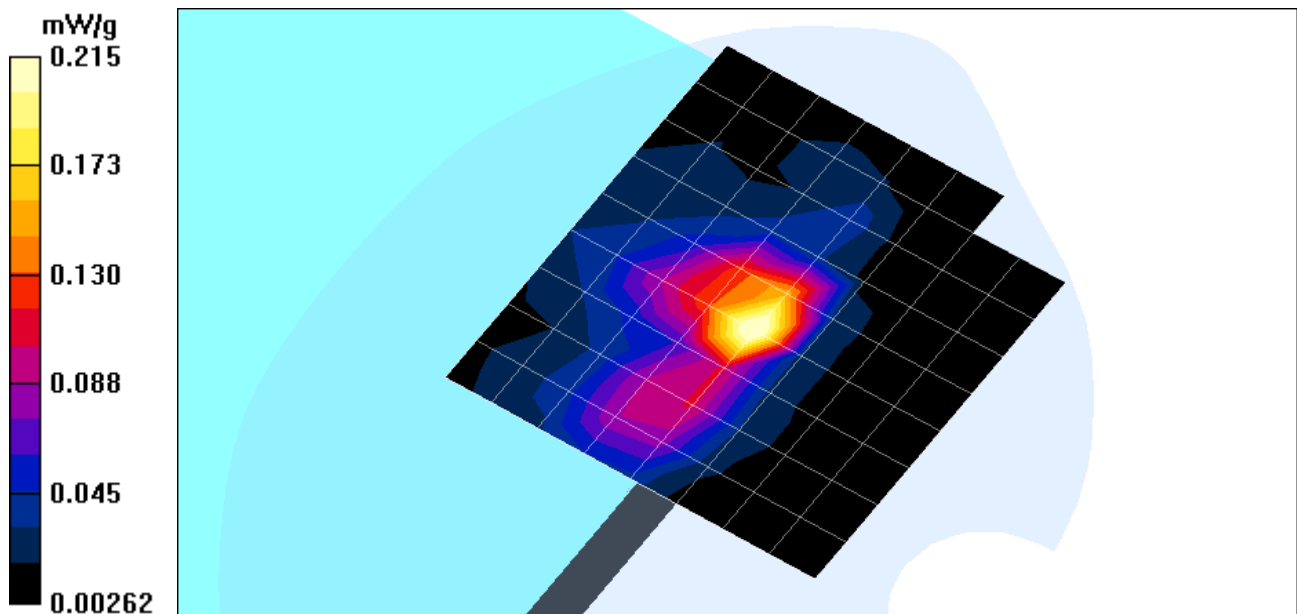
Reference Value = 6.82 V/m; Power Drift = 0.2 dB

Maximum value of SAR (measured) = 0.215 mW/g

Peak SAR (extrapolated) = 0.411 W/kg

SAR(1 g) = 0.199 mW/g; SAR(10 g) = 0.098 mW/g

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



Test Laboratory: Compliance Certification Services

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

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

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

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

820.11b_M-ch/Area Scan (9x10x1): Measurement grid: dx=15mm, dy=15mm

Reference Value = 9.09 V/m; Power Drift = -0.2 dB

Maximum value of SAR (measured) = 0.416 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

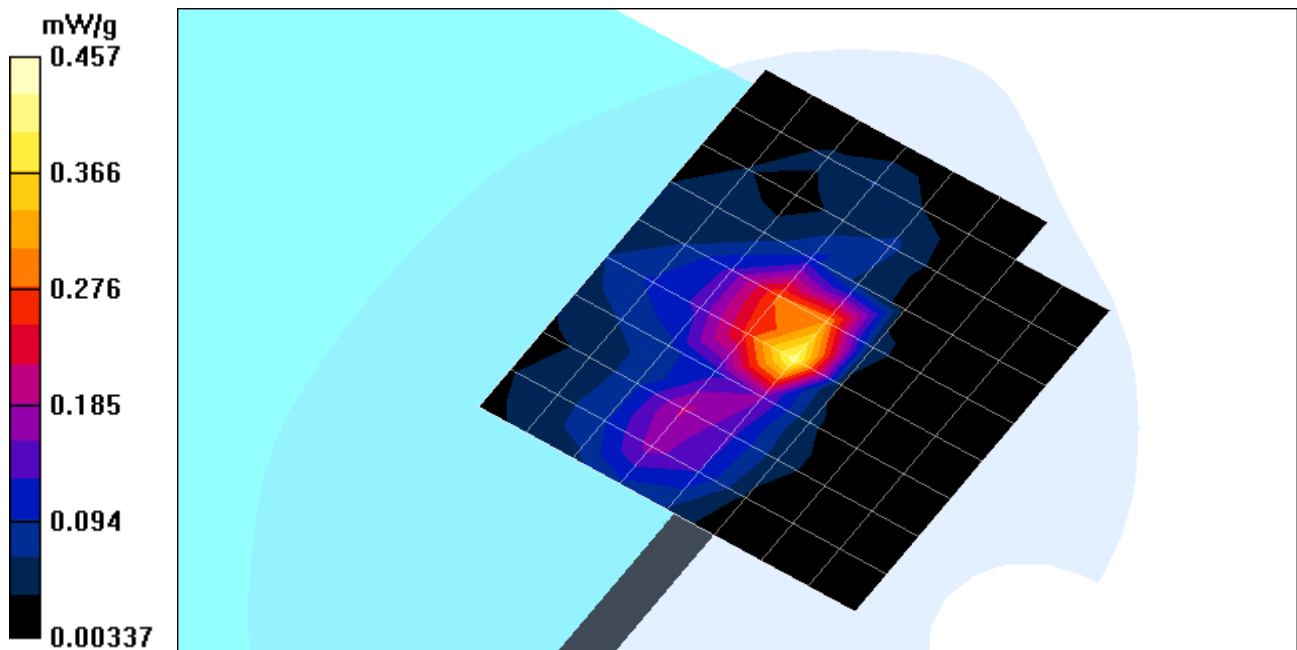
Reference Value = 9.09 V/m; Power Drift = -0.2 dB

Maximum value of SAR (measured) = 0.457 mW/g

Peak SAR (extrapolated) = 0.969 W/kg

SAR(1 g) = 0.410 mW/g; SAR(10 g) = 0.196 mW/g

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



Test Laboratory: Compliance Certification Services

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

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

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

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

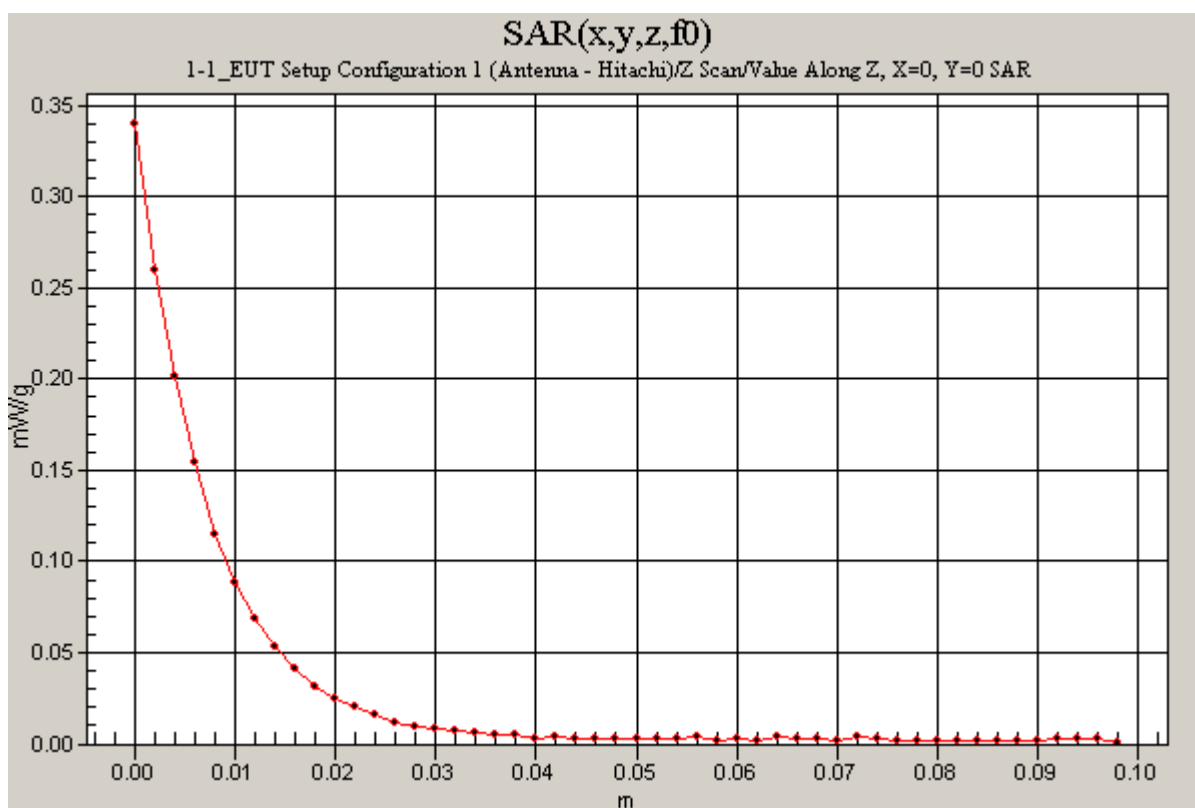
Phantom section: Flat Section

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

Reference Value = 9.09 V/m; Power Drift = -0.2 dB

Maximum value of SAR (measured) = 0.340 mW/g

Info: Interpolated medium parameters used for SAR evaluation!



Test Laboratory: Compliance Certification Services

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

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

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

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

Communication System: 802.11b; Frequency: 2462 MHz; Duty Cycle: 1:1

Medium parameters used (interpolated): $f = 2462$ MHz; $\sigma = 2.01$ mho/m; $\epsilon_r = 52.8$; $\rho = 1000$ 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_H-ch/Area Scan (9x10x1): Measurement grid: $dx=15$ mm, $dy=15$ mm

Reference Value = 9.45 V/m; Power Drift = -0.0 dB

Maximum value of SAR (measured) = 0.345 mW/g

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

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

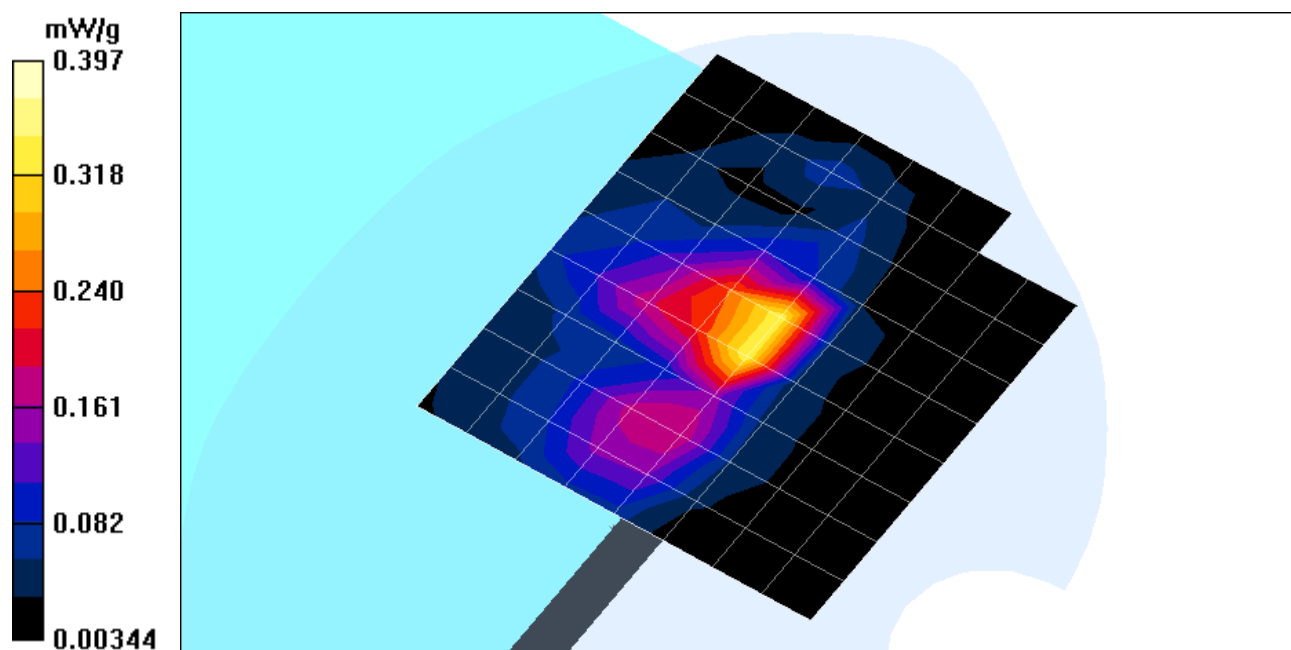
Reference Value = 9.45 V/m; Power Drift = -0.0 dB

Maximum value of SAR (measured) = 0.397 mW/g

Peak SAR (extrapolated) = 0.747 W/kg

SAR(1 g) = 0.354 mW/g; SAR(10 g) = 0.176 mW/g

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



Test Laboratory: Compliance Certification Services

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

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

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

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): $f = 2437 \text{ MHz}$; $\sigma = 1.98 \text{ mho/m}$; $\epsilon_r = 53$; $\rho = 1000 \text{ kg/m}^3$

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: $dx=15\text{mm}$, $dy=15\text{mm}$

Reference Value = 8.38 V/m; Power Drift = -0.17 dB

Maximum value of SAR (measured) = 0.245 mW/g

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

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

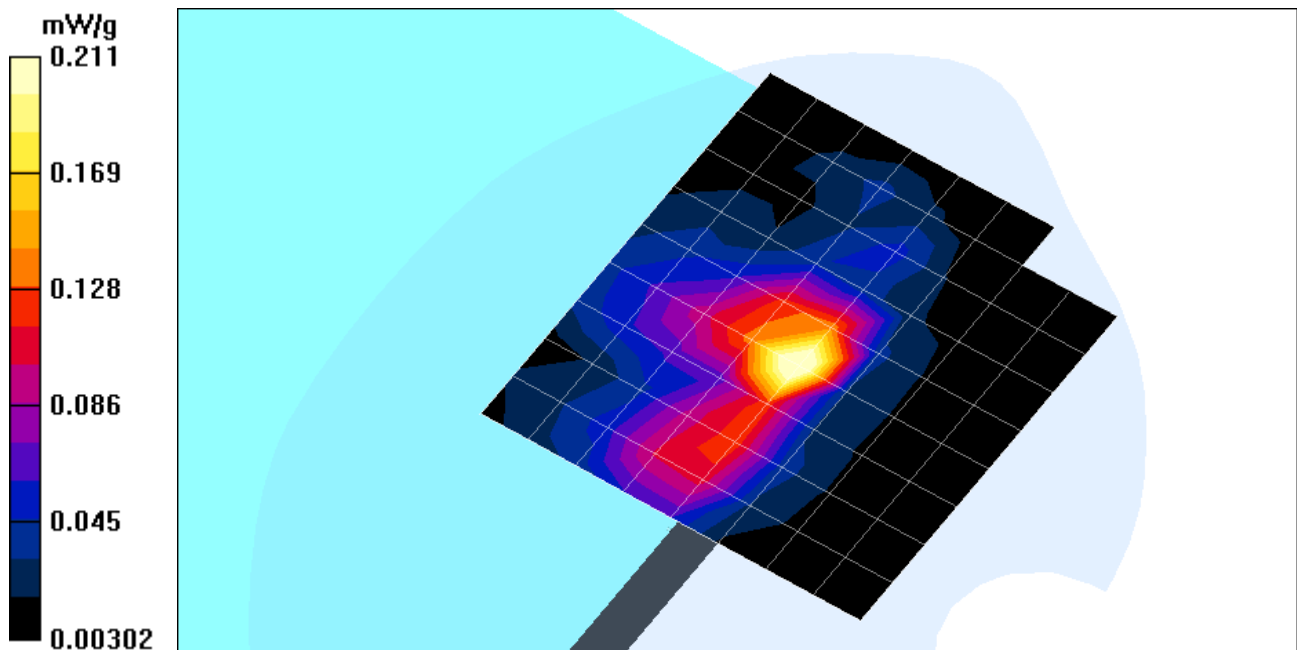
Reference Value = 8.38 V/m; Power Drift = -0.17 dB

Maximum value of SAR (measured) = 0.211 mW/g

Peak SAR (extrapolated) = 0.432 W/kg

SAR(1 g) = 0.203 mW/g; SAR(10 g) = 0.099 mW/g

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



Test Laboratory: Compliance Certification Services

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

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

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

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

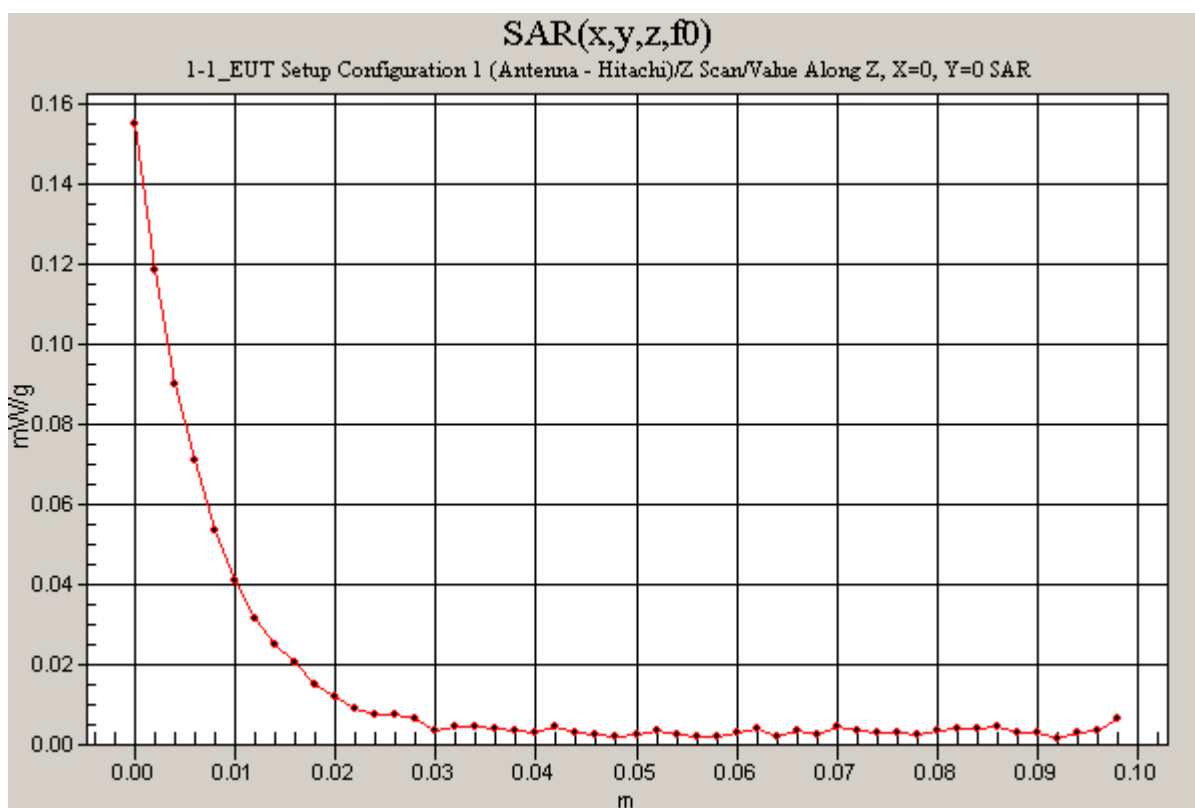
Phantom section: Flat Section

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

Reference Value = 8.38 V/m; Power Drift = -0.17 dB

Maximum value of SAR (measured) = 0.155 mW/g

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



Test Laboratory: Compliance Certification Services

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

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

Program Name: 2-1_EUT Setup Configuration 2 (Antenna - Hitachi)

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

Communication System: 802.11b; Frequency: 2412 MHz; Duty Cycle: 1:1

Medium parameters used (interpolated): $f = 2412$ MHz; $\sigma = 1.95$ 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_L-ch/Area Scan (9x10x1): Measurement grid: $dx=15$ mm, $dy=15$ mm

Reference Value = 2.58 V/m; Power Drift = 0.1 dB

Maximum value of SAR (measured) = 0.288 mW/g

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

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

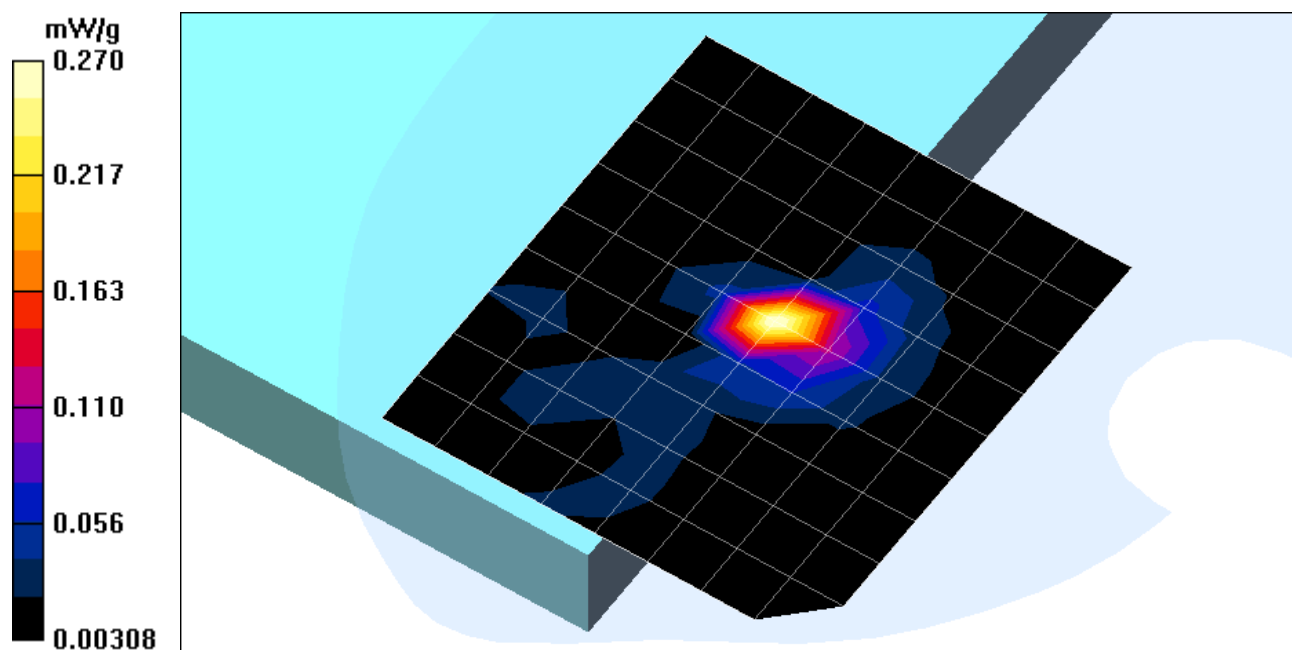
Reference Value = 2.58 V/m; Power Drift = 0.1 dB

Maximum value of SAR (measured) = 0.270 mW/g

Peak SAR (extrapolated) = 0.460 W/kg

SAR(1 g) = 0.228 mW/g; SAR(10 g) = 0.098 mW/g

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



Test Laboratory: Compliance Certification Services

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

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

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

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 = 3.47 V/m; Power Drift = 0.1 dB

Maximum value of SAR (measured) = 0.448 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

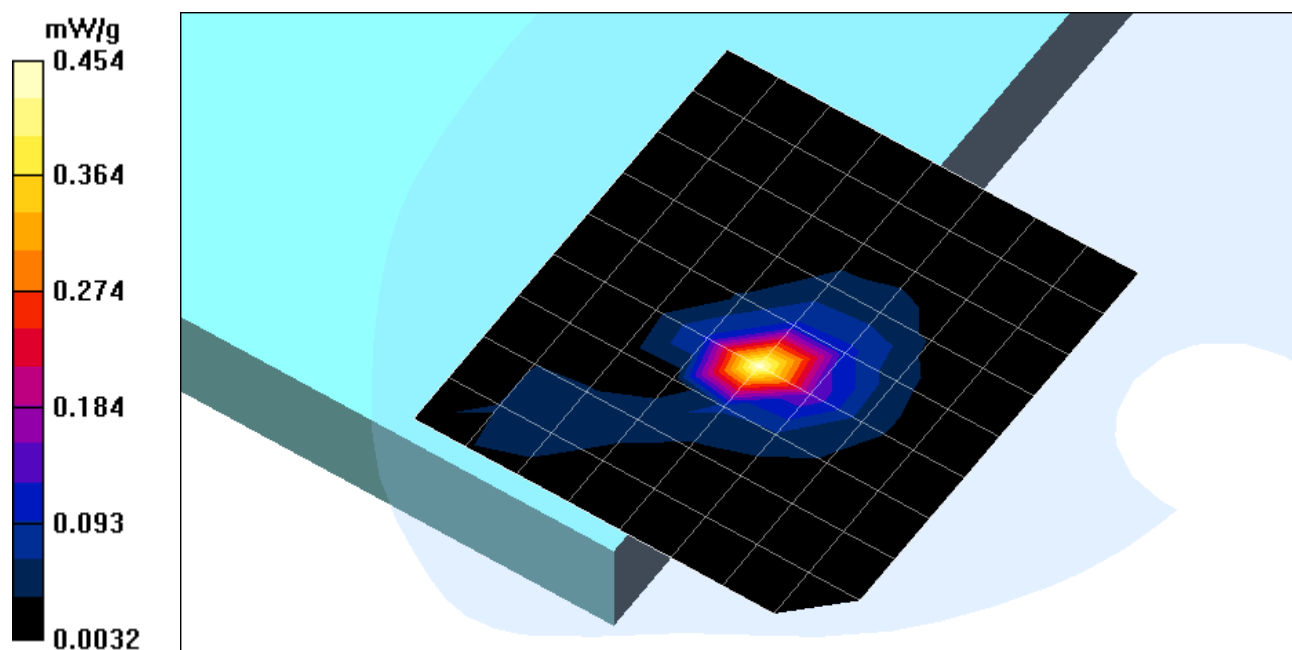
Reference Value = 3.47 V/m; Power Drift = 0.1 dB

Maximum value of SAR (measured) = 0.454 mW/g

Peak SAR (extrapolated) = 0.841 W/kg

SAR(1 g) = 0.397 mW/g; SAR(10 g) = 0.167 mW/g

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



Test Laboratory: Compliance Certification Services

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

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

Program Name: 2-1_EUT Setup Configuration 2 (Antenna - Hitachi)

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

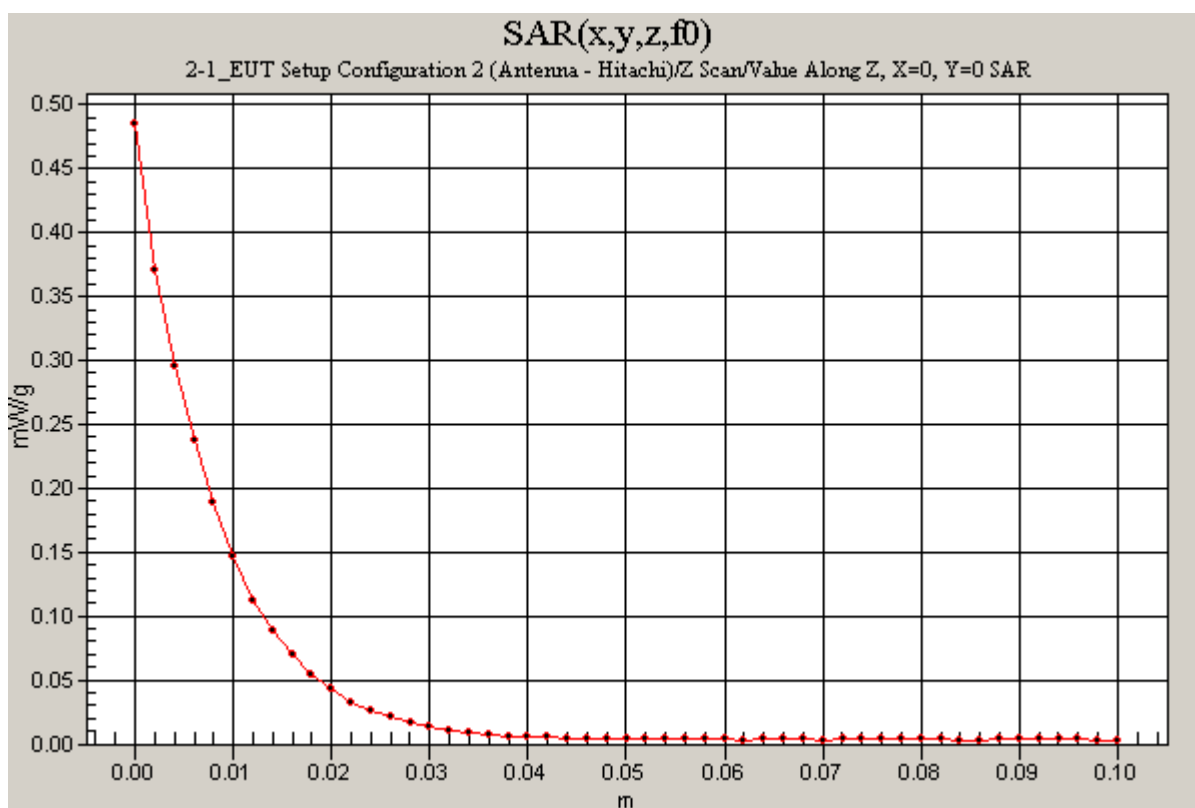
Phantom section: Flat Section

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

Reference Value = 3.47 V/m; Power Drift = -0.0 dB

Maximum value of SAR (measured) = 0.485 mW/g

Info: Interpolated medium parameters used for SAR evaluation!



Test Laboratory: Compliance Certification Services

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

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

Program Name: 2-1_EUT Setup Configuration 2 (Antenna - Hitachi)

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

Communication System: 802.11b; Frequency: 2462 MHz; Duty Cycle: 1:1

Medium parameters used (interpolated): $f = 2462 \text{ MHz}$; $\sigma = 2.01 \text{ mho/m}$; $\epsilon_r = 52.8$; $\rho = 1000 \text{ kg/m}^3$

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_H-ch/Area Scan (9x10x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

Reference Value = 3.7 V/m; Power Drift = -0.2 dB

Maximum value of SAR (measured) = 0.412 mW/g

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

802.11b_H-ch/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=7.5\text{mm}$, $dy=7.5\text{mm}$, $dz=5\text{mm}$

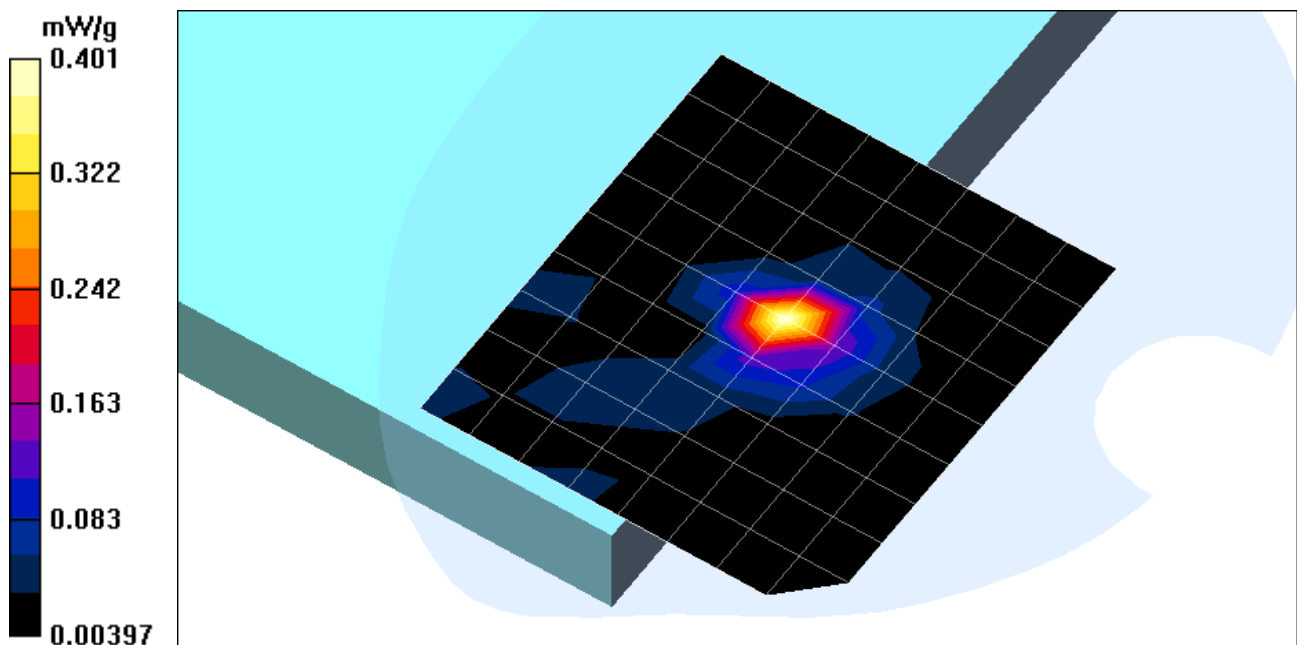
Reference Value = 3.7 V/m; Power Drift = -0.2 dB

Maximum value of SAR (measured) = 0.401 mW/g

Peak SAR (extrapolated) = 0.709 W/kg

SAR(1 g) = 0.347 mW/g; SAR(10 g) = 0.148 mW/g

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



Test Laboratory: Compliance Certification Services

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

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

Program Name: 2-1_EUT Setup Configuration 2 (Antenna - Hitachi)

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

Communication System: 802.11b; Frequency: 2412 MHz; Duty Cycle: 1:1

Medium parameters used (interpolated): $f = 2412$ MHz; $\sigma = 1.95$ 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_L-ch/Area Scan (9x10x1): Measurement grid: $dx=15$ mm, $dy=15$ mm

Reference Value = 3.1 V/m; Power Drift = -0.1 dB

Maximum value of SAR (measured) = 0.293 mW/g

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

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

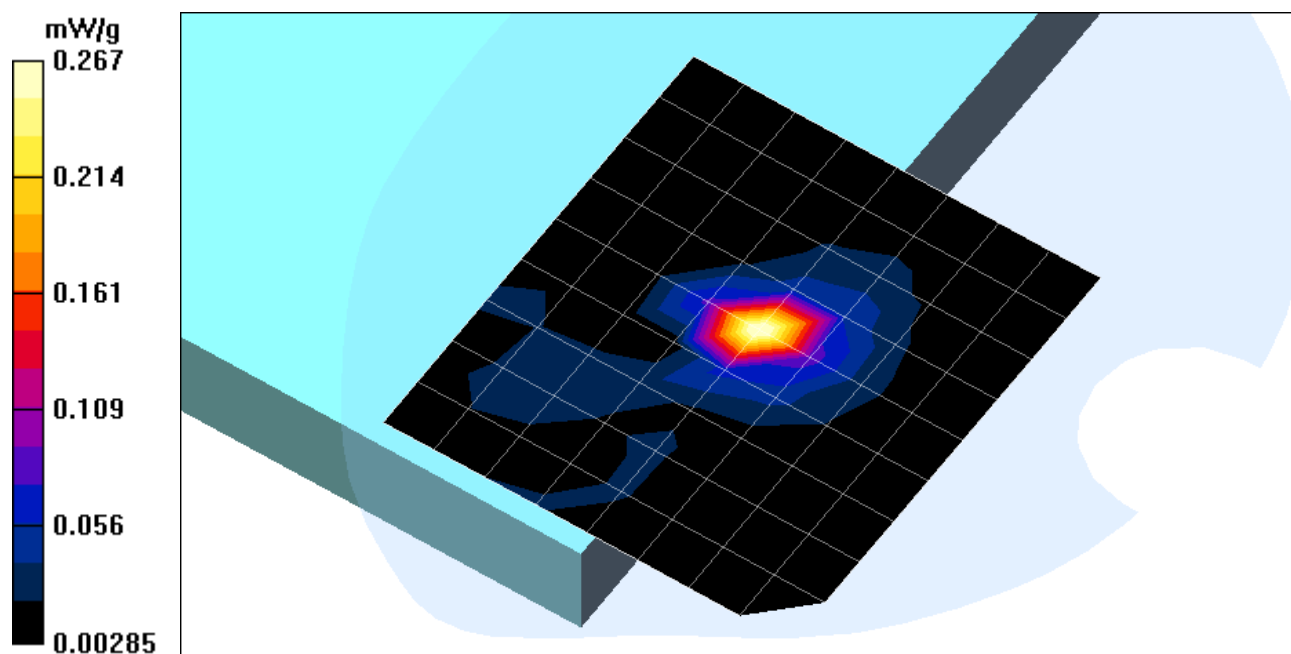
Reference Value = 3.1 V/m; Power Drift = -0.1 dB

Maximum value of SAR (measured) = 0.267 mW/g

Peak SAR (extrapolated) = 0.491 W/kg

SAR(1 g) = 0.239 mW/g; SAR(10 g) = 0.103 mW/g

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



Test Laboratory: Compliance Certification Services

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

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

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

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 = 2.8 V/m; Power Drift = -0.1 dB

Maximum value of SAR (measured) = 0.196 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

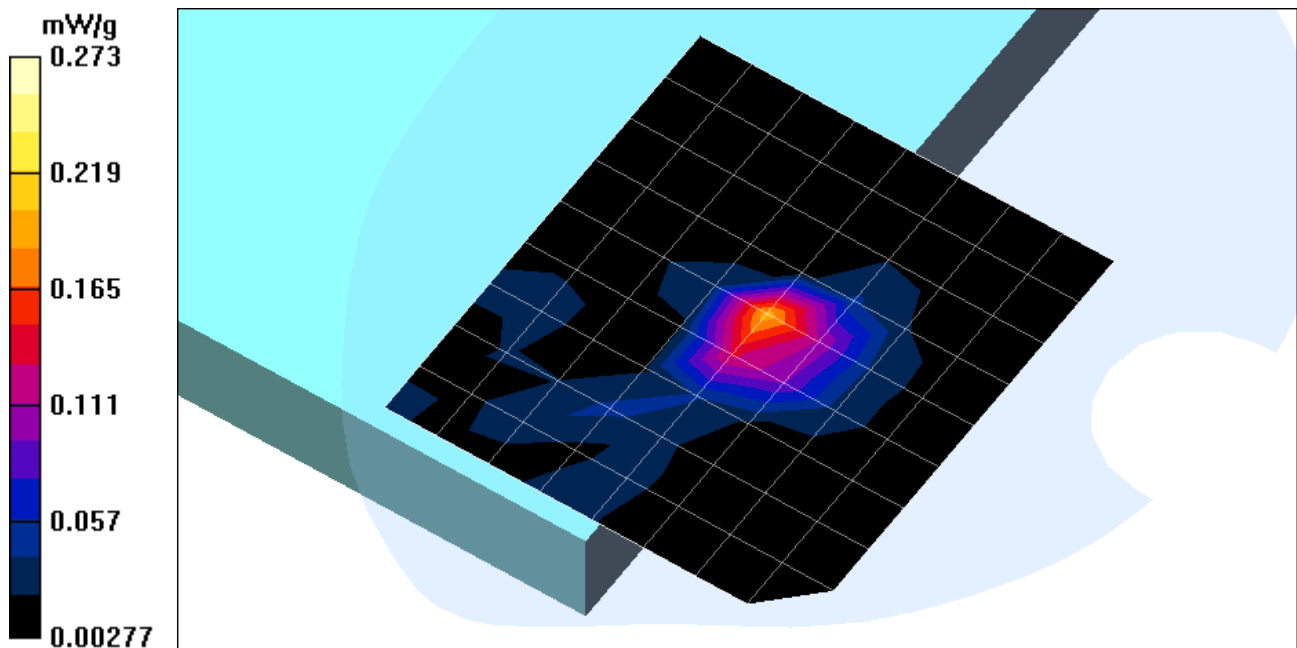
Reference Value = 2.8 V/m; Power Drift = -0.1 dB

Maximum value of SAR (measured) = 0.273 mW/g

Peak SAR (extrapolated) = 0.524 W/kg

SAR(1 g) = 0.248 mW/g; SAR(10 g) = 0.107 mW/g

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



Test Laboratory: Compliance Certification Services

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

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

Program Name: 2-1_EUT Setup Configuration 2 (Antenna - Hitachi)

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

Communication System: 802.11b; Frequency: 2462 MHz; Duty Cycle: 1:1

Medium parameters used (interpolated): $f = 2462$ MHz; $\sigma = 2.01$ mho/m; $\epsilon_r = 52.8$; $\rho = 1000$ 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_H-ch/Area Scan (9x10x1): Measurement grid: $dx=15$ mm, $dy=15$ mm

Reference Value = 2.99 V/m; Power Drift = 0.002 dB

Maximum value of SAR (measured) = 0.301 mW/g

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

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

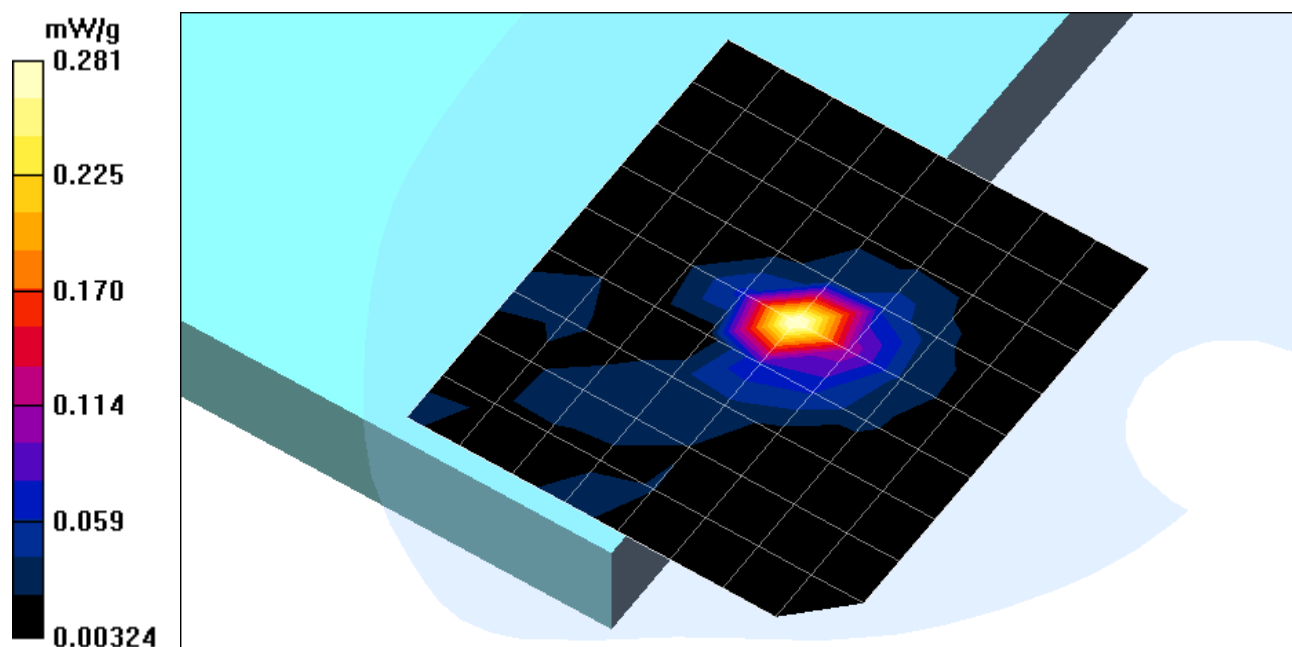
Reference Value = 2.99 V/m; Power Drift = 0.002 dB

Maximum value of SAR (measured) = 0.281 mW/g

Peak SAR (extrapolated) = 0.530 W/kg

SAR(1 g) = 0.255 mW/g; SAR(10 g) = 0.110 mW/g

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



Test Laboratory: Compliance Certification Services

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

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

Program Name: 2-1_EUT Setup Configuration 2 (Antenna - Hitachi)

Communication System: 802.11b; Frequency: 2462 MHz; Duty Cycle: 1:1

Medium parameters used (interpolated): $f = 2462$ MHz; $\sigma = 2.01$ mho/m; $\epsilon_r = 52.8$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

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

Reference Value = 2.99 V/m; Power Drift = -0.1 dB

Maximum value of SAR (measured) = 0.306 mW/g

Info: Interpolated medium parameters used for SAR evaluation!

