

Test Laboratory: Compliance Certification Services

File Name: [1_EUT Setup Configuration 1_Aux Antenna \(Hitachi\).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: 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/m³

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 = 3.58 V/m; Power Drift = -0.2 dB

Maximum value of SAR (measured) = 0.620 mW/g

Peak SAR (extrapolated) = 1.96 W/kg

SAR(1 g) = 0.463 mW/g; SAR(10 g) = 0.172 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

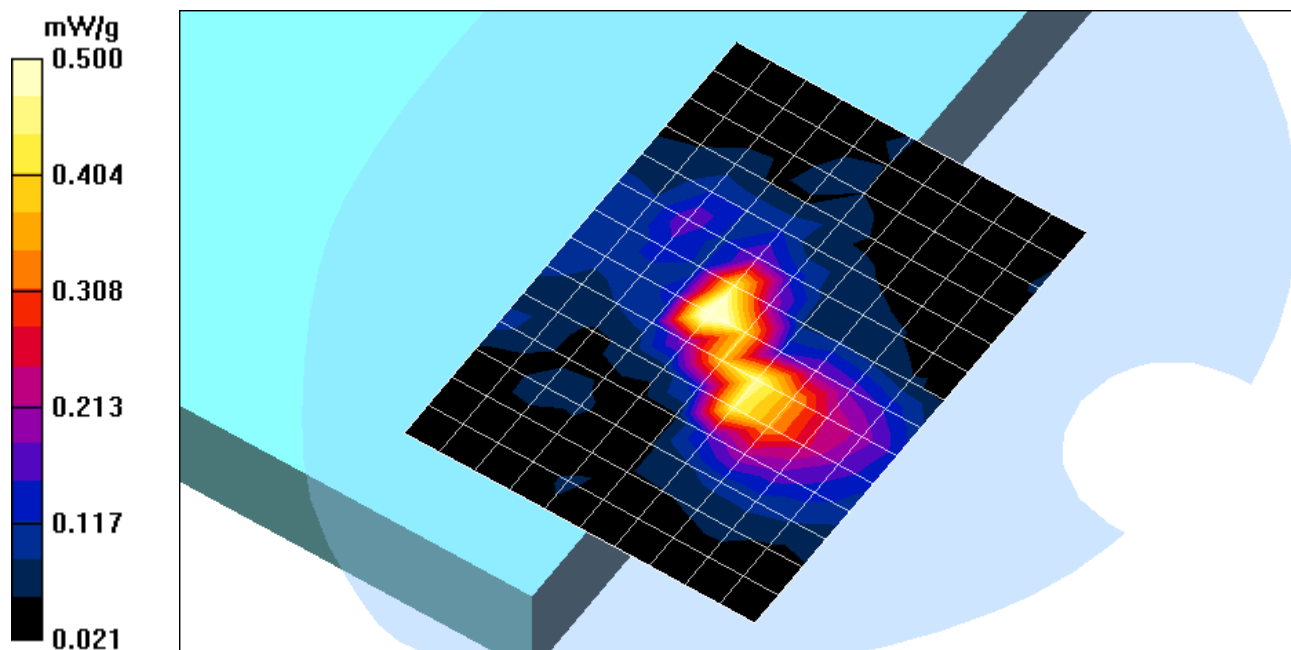
Reference Value = 3.58 V/m; Power Drift = -0.2 dB

Maximum value of SAR (measured) = 0.500 mW/g

Peak SAR (extrapolated) = 2.02 W/kg

SAR(1 g) = 0.396 mW/g; SAR(10 g) = 0.163 mW/g

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



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

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/m³

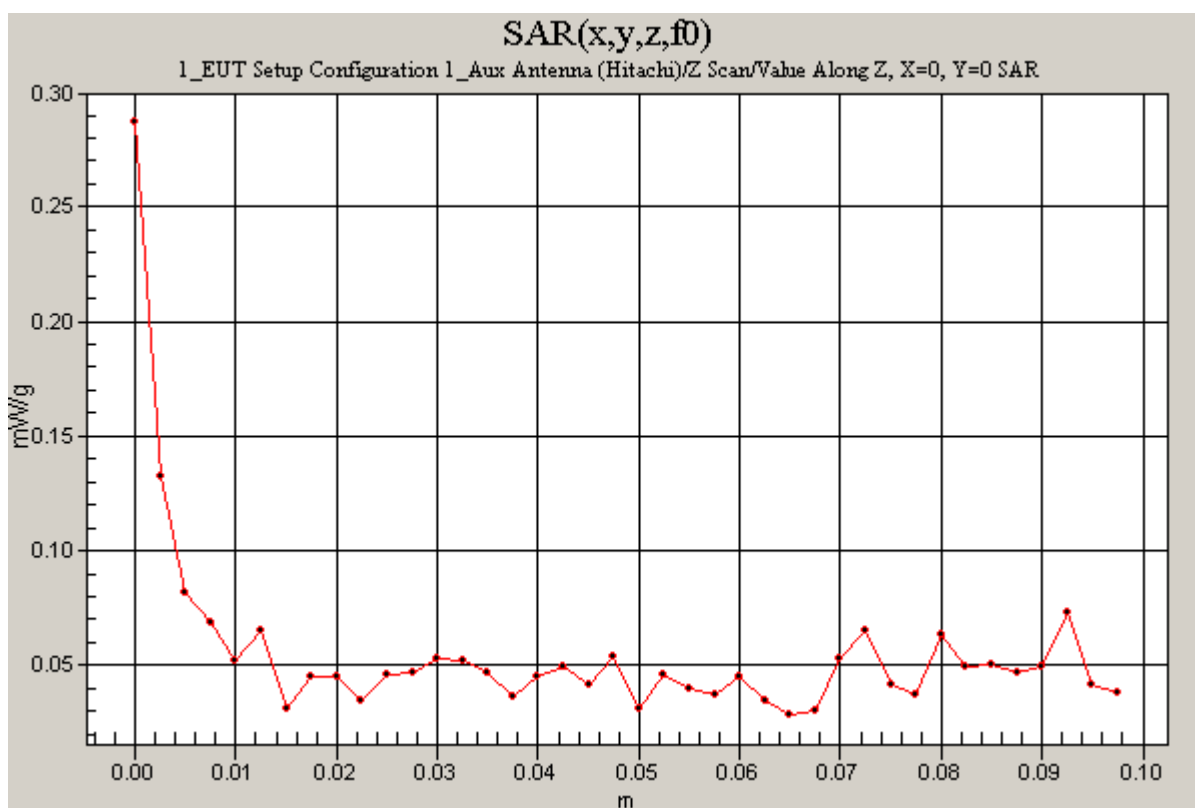
Phantom section: Flat Section

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

Reference Value = 3.58 V/m; Power Drift = 0.19 dB

Maximum value of SAR (measured) = 0.287 mW/g

Info: Interpolated medium parameters used for SAR evaluation!



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File Name: [1_EUT Setup Configuration 1_Aux Antenna \(Hitachi\).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: 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/m³

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 = 3.72 V/m; Power Drift = -0.13 dB

Maximum value of SAR (measured) = 0.497 mW/g

Peak SAR (extrapolated) = 1.67 W/kg

SAR(1 g) = 0.379 mW/g; SAR(10 g) = 0.144 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

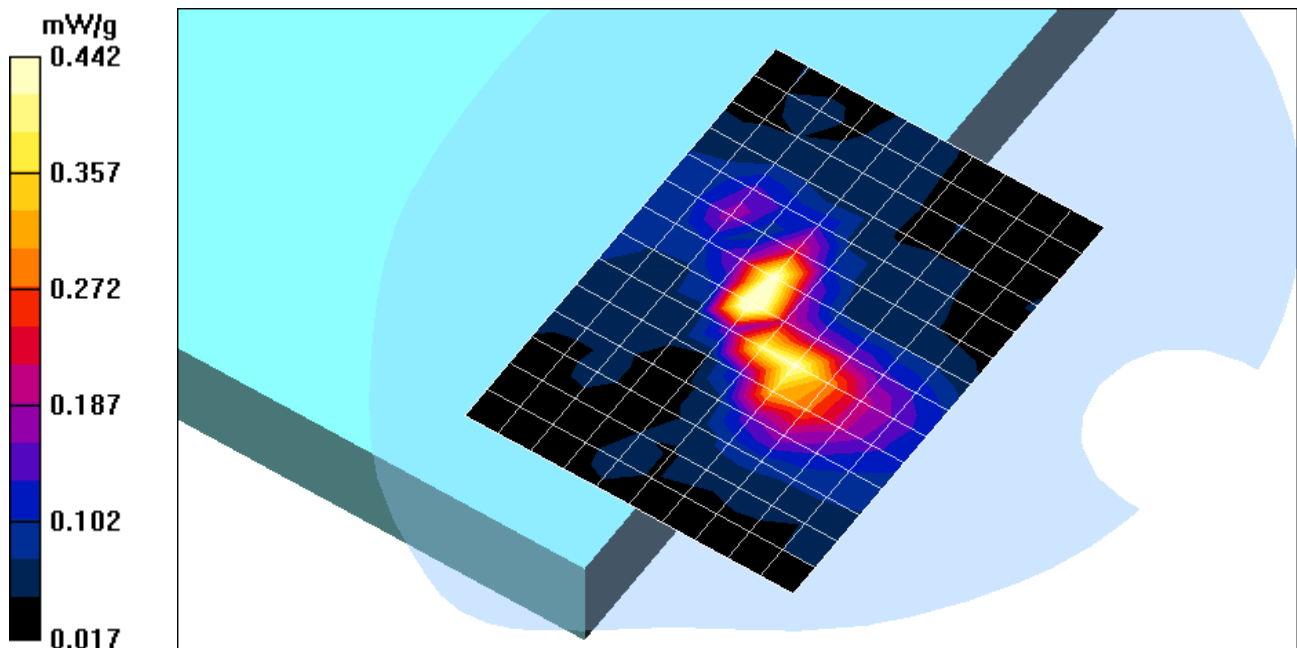
Reference Value = 3.72 V/m; Power Drift = -0.13 dB

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

Peak SAR (extrapolated) = 1.55 W/kg

SAR(1 g) = 0.345 mW/g; SAR(10 g) = 0.147 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: 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/m³

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 = 3.53 V/m; Power Drift = 0.2 dB

Maximum value of SAR (measured) = 0.572 mW/g

Peak SAR (extrapolated) = 1.95 W/kg

SAR(1 g) = 0.405 mW/g; SAR(10 g) = 0.154 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

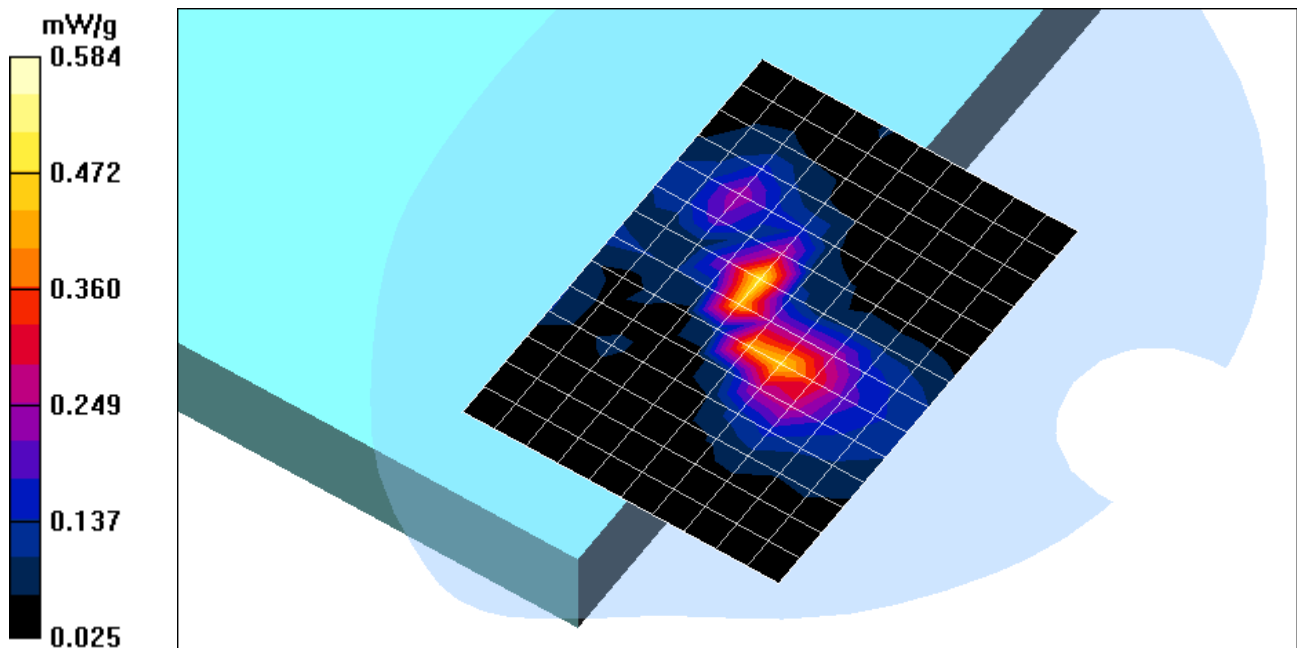
Reference Value = 3.53 V/m; Power Drift = 0.2 dB

Maximum value of SAR (measured) = 0.584 mW/g

Peak SAR (extrapolated) = 2.24 W/kg

SAR(1 g) = 0.456 mW/g; SAR(10 g) = 0.179 mW/g

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



Test Laboratory: Compliance Certification Services

File Name: [2_EUT Setup Configuration 2_Main Antenna \(Hitachi\).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: 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/m³

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 = 4.67 V/m; Power Drift = 0.15 dB

Maximum value of SAR (measured) = 0.964 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

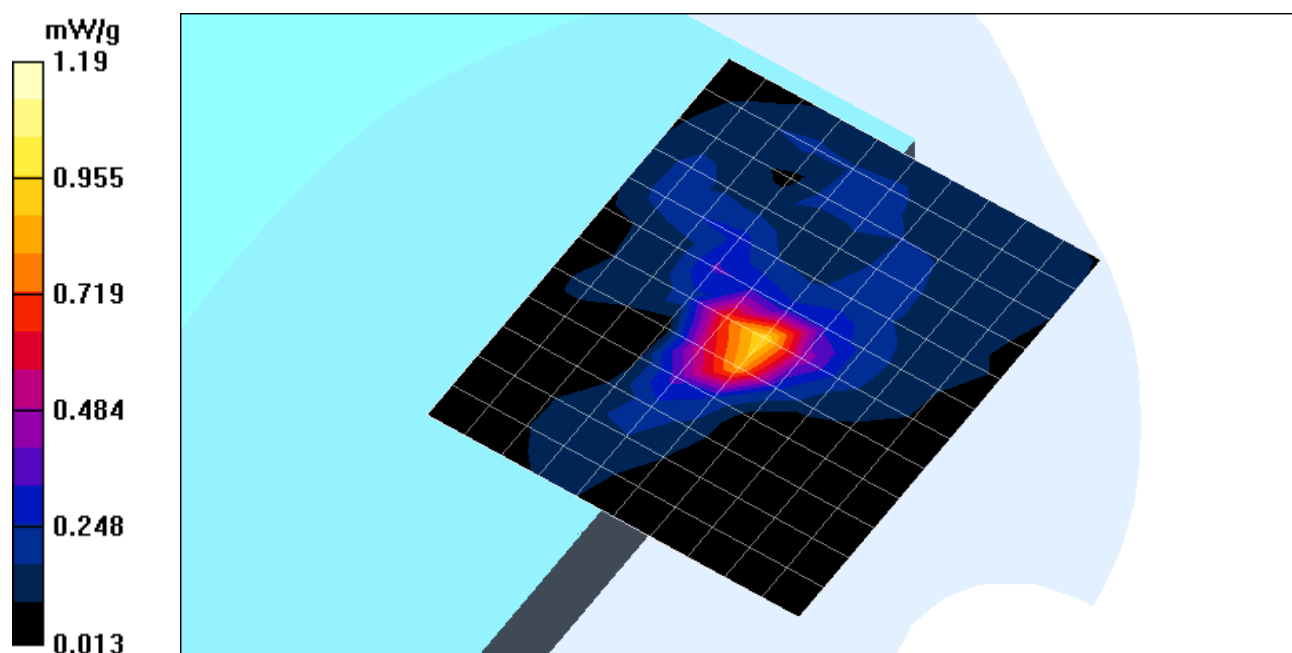
Reference Value = 4.67 V/m; Power Drift = 0.15 dB

Maximum value of SAR (measured) = 1.19 mW/g

Peak SAR (extrapolated) = 15.3 W/kg

SAR(1 g) = 0.854 mW/g; SAR(10 g) = 0.300 mW/g

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



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

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/m³

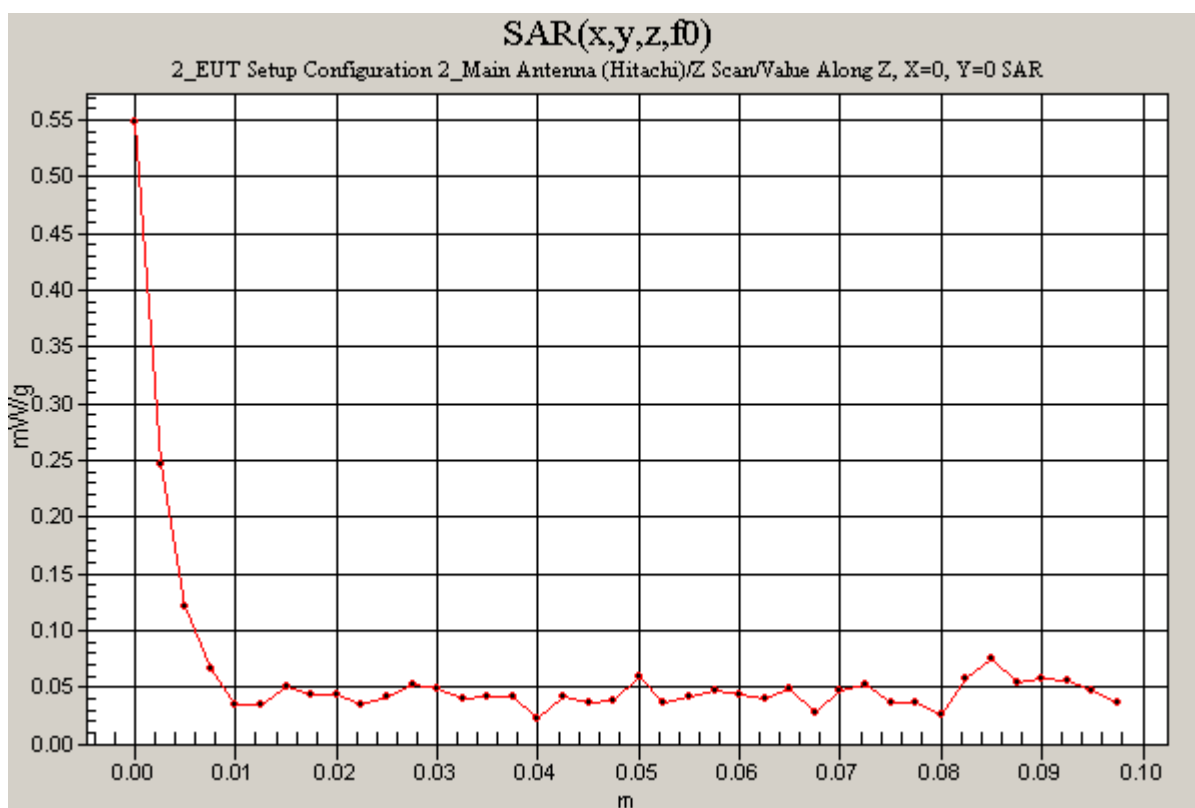
Phantom section: Flat Section

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

Reference Value = 4.67 V/m; Power Drift = 0.16 dB

Maximum value of SAR (measured) = 0.547 mW/g

Info: Interpolated medium parameters used for SAR evaluation!



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File Name: [2_EUT Setup Configuration 2_Main Antenna \(Hitachi\).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: 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/m³

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 (12x14x1): Measurement grid: dx=10mm, dy=10mm

Reference Value = 4.68 V/m; Power Drift = 0.1 dB

Maximum value of SAR (measured) = 1.08 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

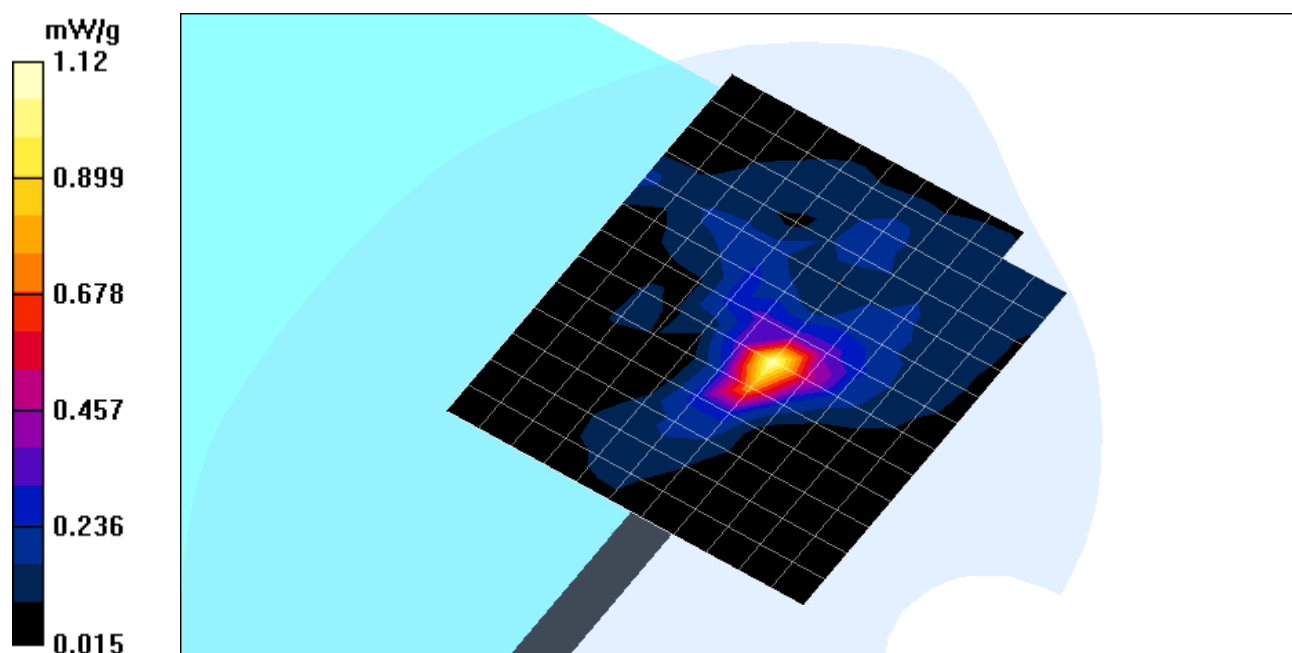
Reference Value = 4.68 V/m; Power Drift = 0.1 dB

Maximum value of SAR (measured) = 1.12 mW/g

Peak SAR (extrapolated) = 3.19 W/kg

SAR(1 g) = 0.749 mW/g; SAR(10 g) = 0.247 mW/g

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



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

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/m³

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 = 3.91 V/m; Power Drift = 0.2 dB

Maximum value of SAR (measured) = 0.777 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 = 3.91 V/m; Power Drift = 0.2 dB

Maximum value of SAR (measured) = 0.870 mW/g

Peak SAR (extrapolated) = 2.54 W/kg

SAR(1 g) = 0.588 mW/g; SAR(10 g) = 0.195 mW/g

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

