Date/Time: 07/02/04 19:42:56

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

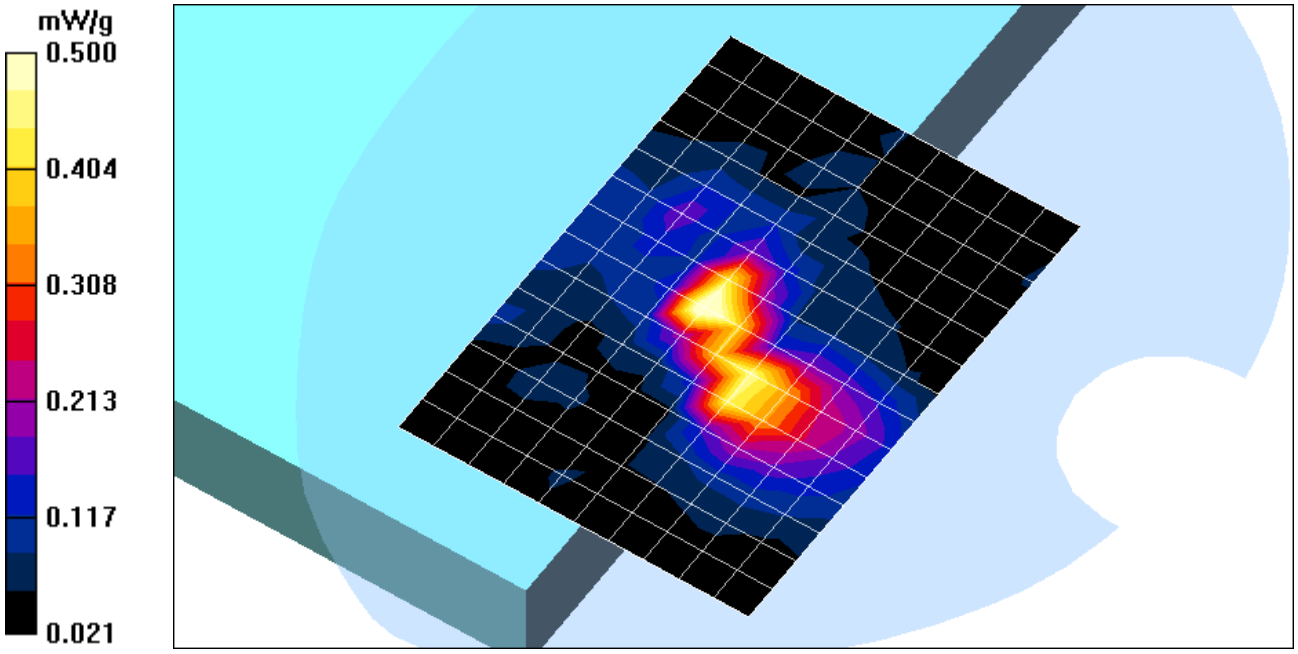
Communication System: 5800MHz band; Frequency: 5745 MHz;Duty Cycle: 1:1
Medium parameters used (interpolated): f = 5745 MHz; σ = 6.16 mho/m; ε_r = 47.2; ρ = 1000 kg/m^3
Phantom section: Flat Section

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

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!



Date/Time: 07/02/04 19:42:56

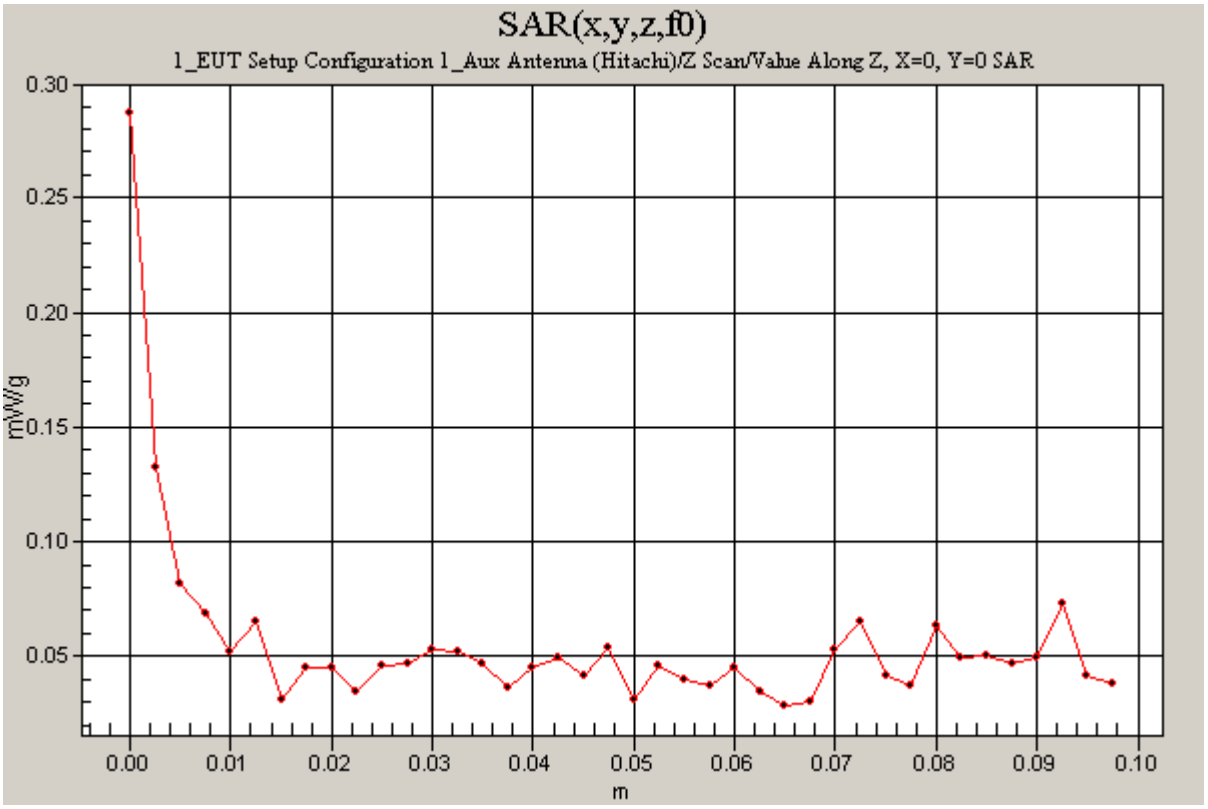
Test Laboratory: Compliance Certification Services
File Name: 1_EUT Setup Configuration 1_Aux Antenna (Hitachi).da4

DUT: Dell Computer Corporation; Type: WM3A2915ABG; Serial: N/A
Program Name: 1_EUT Setup Configuration 1_Aux Antenna (Hitachi)

Communication System: 5800MHz band; Frequency: 5745 MHz;Duty Cycle: 1:1
Medium parameters used (interpolated): f = 5745 MHz; σ = 6.16 mho/m; ε_r = 47.2; ρ = 1000 kg/m^3
Phantom section: Flat Section

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



Date/Time: 07/02/04 19:42:56

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

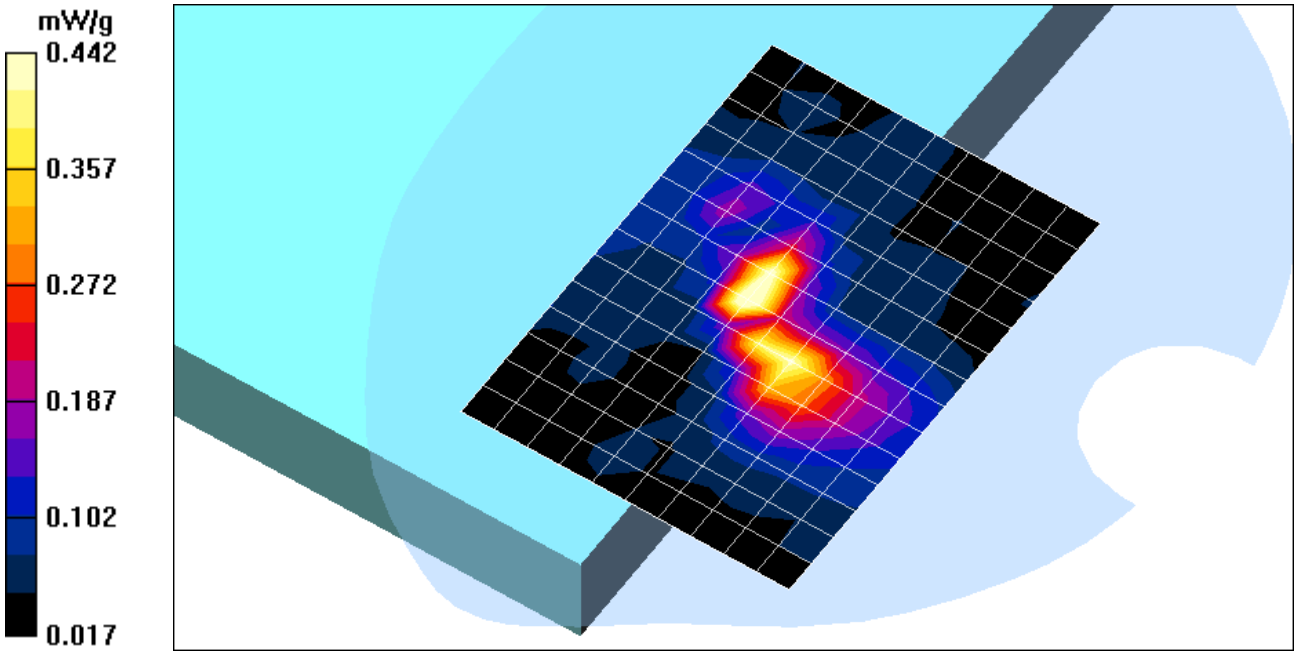
Communication System: 5800MHz band; Frequency: 5785 MHz;Duty Cycle: 1:1
Medium parameters used (interpolated): f = 5785 MHz; σ = 6.25 mho/m; ε_r = 47.1; ρ = 1000 kg/m^3
Phantom section: Flat Section

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 (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!



Date/Time: 07/02/04 19:42:56

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

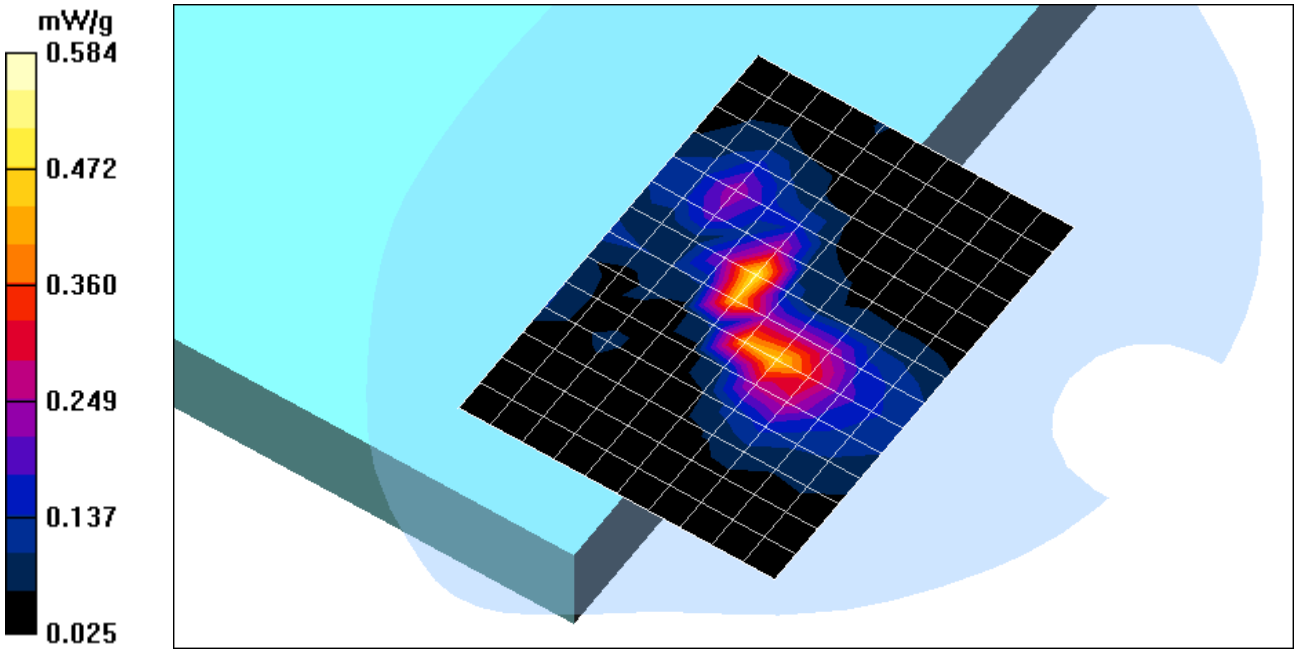
Communication System: 5800MHz band; Frequency: 5825 MHz;Duty Cycle: 1:1
Medium parameters used (interpolated): f = 5825 MHz; σ = 6.31 mho/m; ε_r = 47.1; ρ = 1000 kg/m^3
Phantom section: Flat Section

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

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!



Date/Time: 07/02/04 11:50:21

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; σ = 6.16 mho/m; ε_r = 47.2; ρ = 1000 kg/m^3
Phantom section: Flat Section

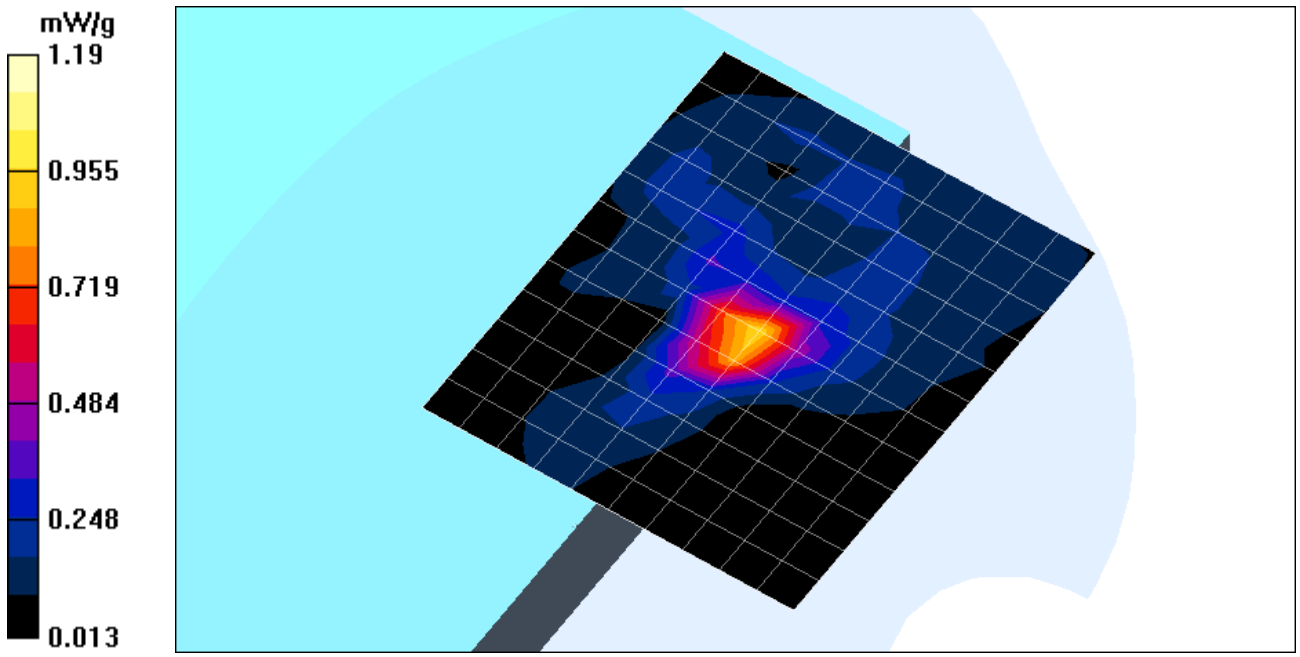
DASY4 Configuration:
- Probe: ES3DV2 - SN3021; ConvF(1.1, 1.1, 1.1); Calibrated: 7/29/2003
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn500; Calibrated: 12/23/2003
- Phantom: SAM 2; Type: SAM 2; Serial: 1050
- Measurement SW: DASY4, V4.2 Build 44; Postprocessing SW: SEMCAD, V1.8 Build 112

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!



Date/Time: 07/02/04 11:50:21

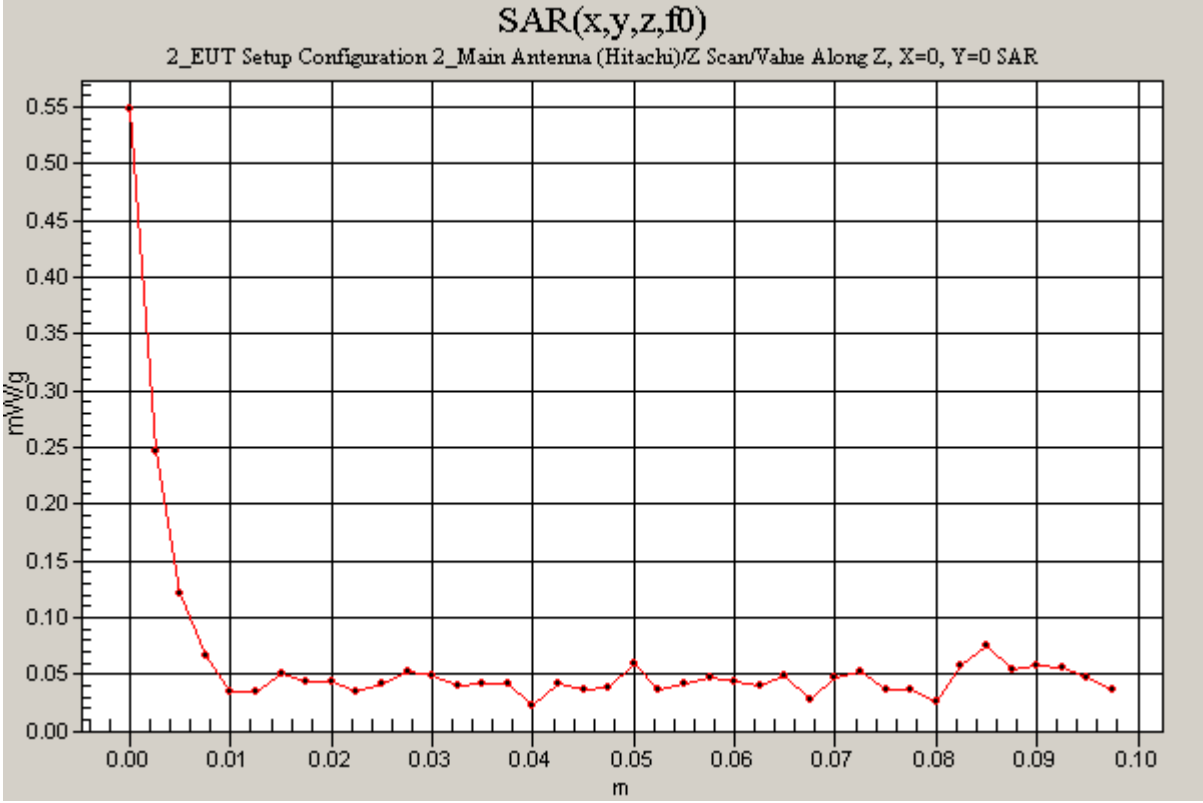
Test Laboratory: Compliance Certification Services
File Name: 2_EUT Setup Configuration 2_Main Antenna (Hitachi).da4

DUT: Dell Computer Corporation; Type: WM3A2915ABG; Serial: N/A
Program Name: 2_EUT Setup Configuration 2_Main Antenna (Hitachi)

Communication System: 5800MHz band; Frequency: 5745 MHz;Duty Cycle: 1:1
Medium parameters used (interpolated): f = 5745 MHz; σ = 6.16 mho/m; ε_r = 47.2; ρ = 1000 kg/m^3
Phantom section: Flat Section

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



Date/Time: 07/02/04 11:50:21

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: 5785 MHz;Duty Cycle: 1:1
Medium parameters used (interpolated): f = 5785 MHz; σ = 6.25 mho/m; ε_r = 47.1; ρ = 1000 kg/m^3
Phantom section: Flat Section

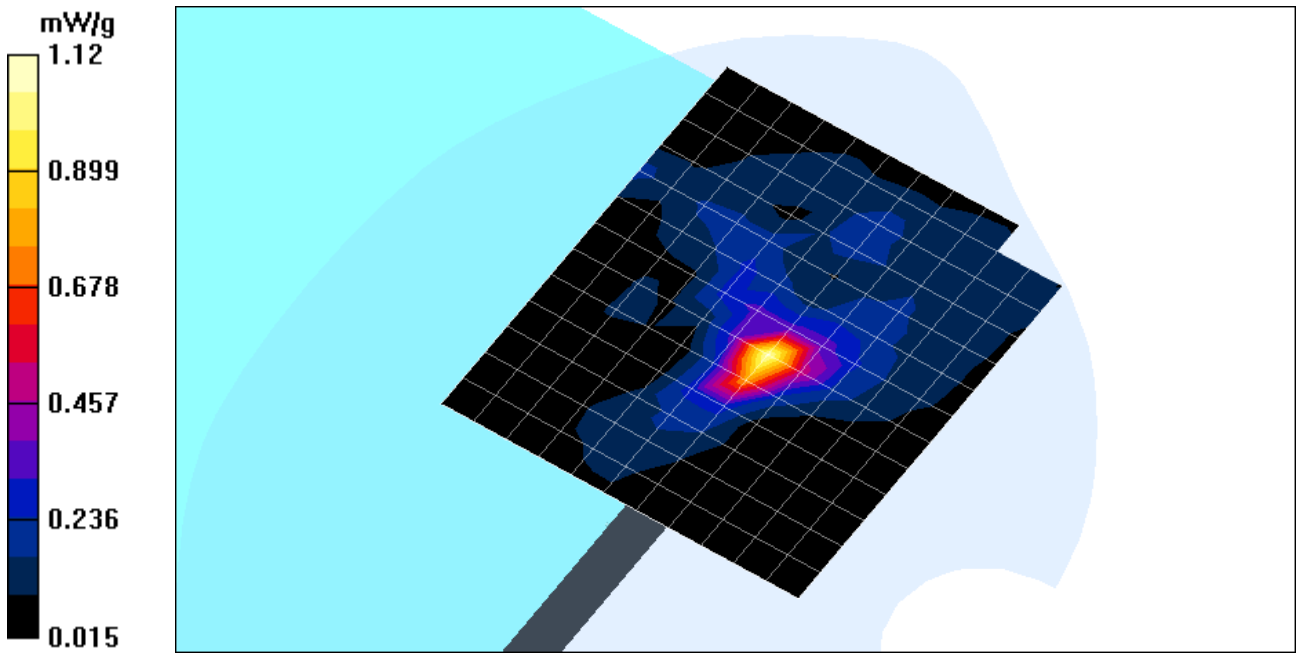
DASY4 Configuration:
- Probe: ES3DV2 - SN3021; ConvF(1.1, 1.1, 1.1); Calibrated: 7/29/2003
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn500; Calibrated: 12/23/2003
- Phantom: SAM 2; Type: SAM 2; Serial: 1050
- Measurement SW: DASY4, V4.2 Build 44; Postprocessing SW: SEMCAD, V1.8 Build 112

M-ch/Area Scan (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!



Date/Time: 07/02/04 11:50:21

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: 5825 MHz;Duty Cycle: 1:1
Medium parameters used (interpolated): f = 5825 MHz; σ = 6.31 mho/m; ε_r = 47.1; ρ = 1000 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

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!