

Test Laboratory: Compliance Certification Services

File Name: [1_Host # 1 IBM_X24_Ant_Closed.da4](#)

DUT: Kyocera; Type: UTC1900D-US-A; Serial: 0404A03766

Program Name: 1_Host # 1 IBM_X24_Ant Closed

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

Communication System: 1900; Frequency: 1900.31 MHz; Duty Cycle: 1:3.003

Medium parameters used (interpolated): $f = 1900.31$ MHz; $\sigma = 1.57$ mho/m; $\epsilon_r = 53.3$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY4 Configuration:

- Probe: ES3DV2 - SN3021; ConvF(4.8, 4.8, 4.8); 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

L-ch/Area Scan (11x9x1): Measurement grid: dx=15mm, dy=15mm

Reference Value = 10.9 V/m; Power Drift = -0.15 dB

Maximum value of SAR (measured) = 0.449 mW/g

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

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

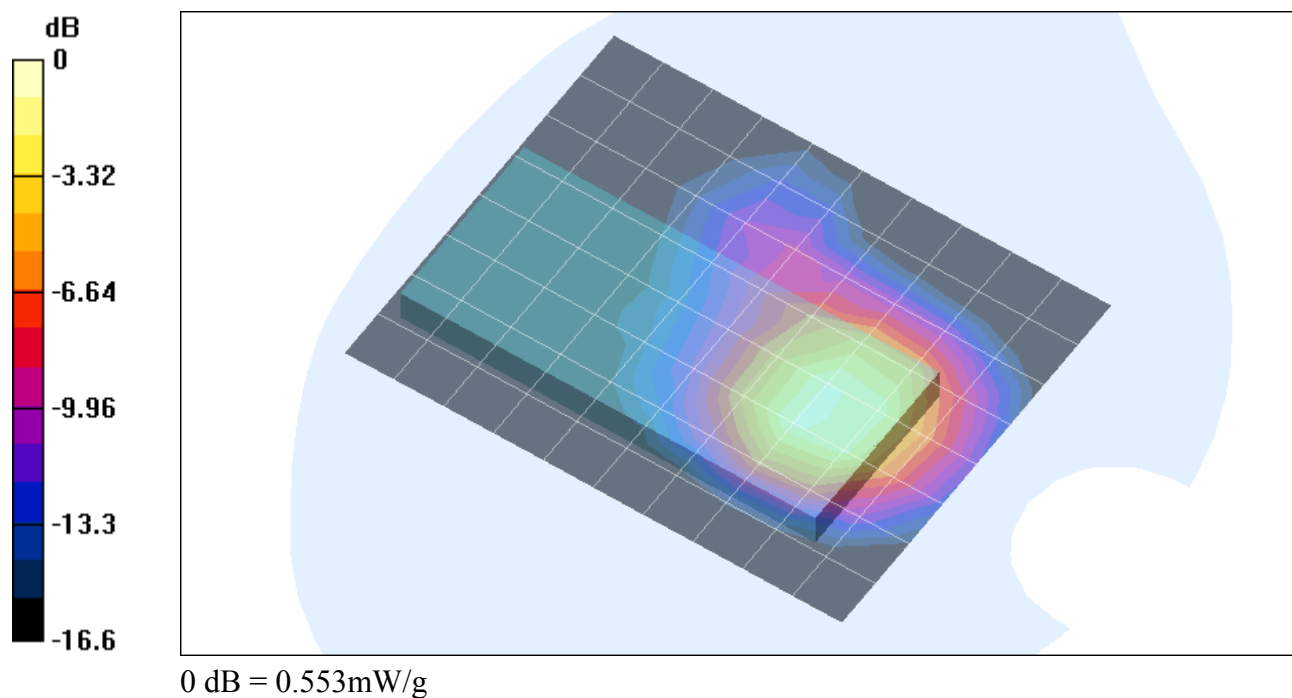
Reference Value = 10.9 V/m; Power Drift = -0.15 dB

Maximum value of SAR (measured) = 0.553 mW/g

Peak SAR (extrapolated) = 0.781 W/kg

SAR(1 g) = 0.503 mW/g; SAR(10 g) = 0.298 mW/g

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



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Program Name: 1_Host # 1 IBM_X24_Ant_Closed

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

Communication System: 1900; Frequency: 1904.69 MHz; Duty Cycle: 1:3.003

Medium parameters used (interpolated): $f = 1904.69$ MHz; $\sigma = 1.56$ mho/m; $\epsilon_r = 53.3$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY4 Configuration:

- Probe: ES3DV2 - SN3021; ConvF(4.8, 4.8, 4.8); 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

M-ch/Area Scan (11x9x1): Measurement grid: dx=15mm, dy=15mm

Reference Value = 10.4 V/m; Power Drift = -0.17 dB

Maximum value of SAR (measured) = 0.460 mW/g

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

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

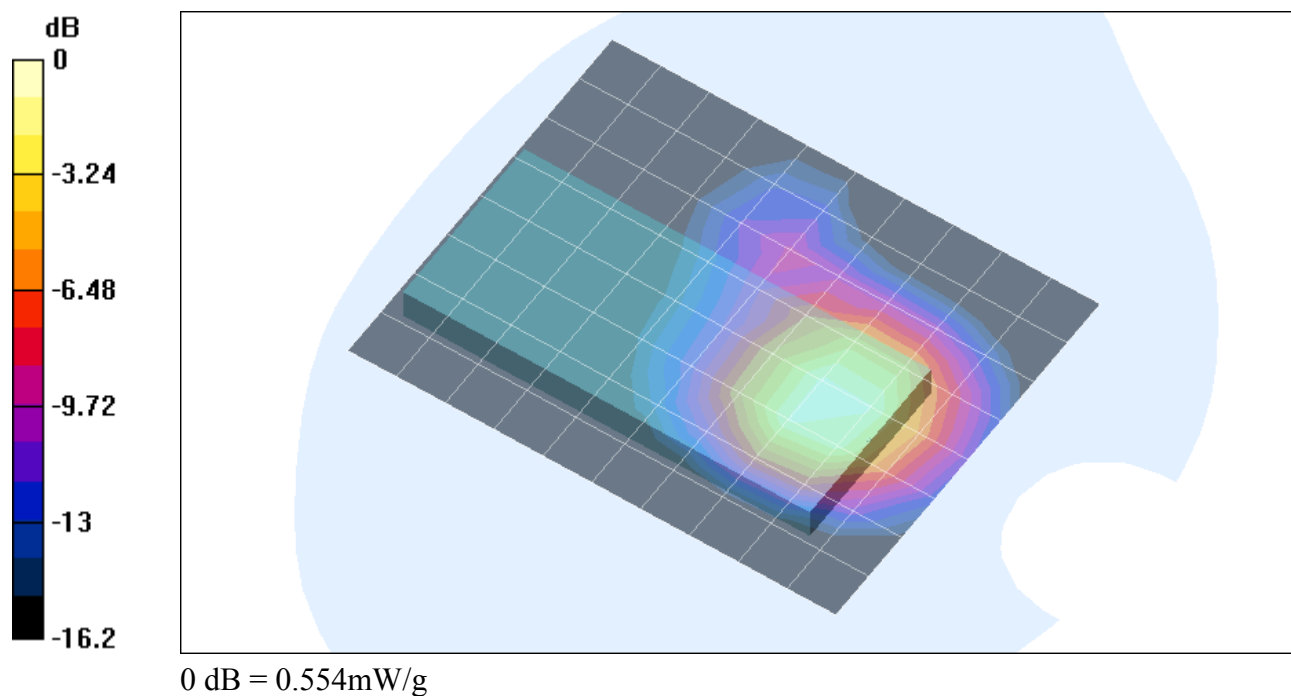
Reference Value = 10.4 V/m; Power Drift = -0.17 dB

Maximum value of SAR (measured) = 0.554 mW/g

Peak SAR (extrapolated) = 0.793 W/kg

SAR(1 g) = 0.508 mW/g; SAR(10 g) = 0.299 mW/g

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



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Phantom section: Flat Section

DASY4 Configuration:

- Probe: ES3DV2 - SN3021; ConvF(4.8, 4.8, 4.8); 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

H-ch/Area Scan (11x9x1): Measurement grid: dx=15mm, dy=15mm

Reference Value = 13.9 V/m; Power Drift = -0.13 dB

Maximum value of SAR (measured) = 0.693 mW/g

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

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

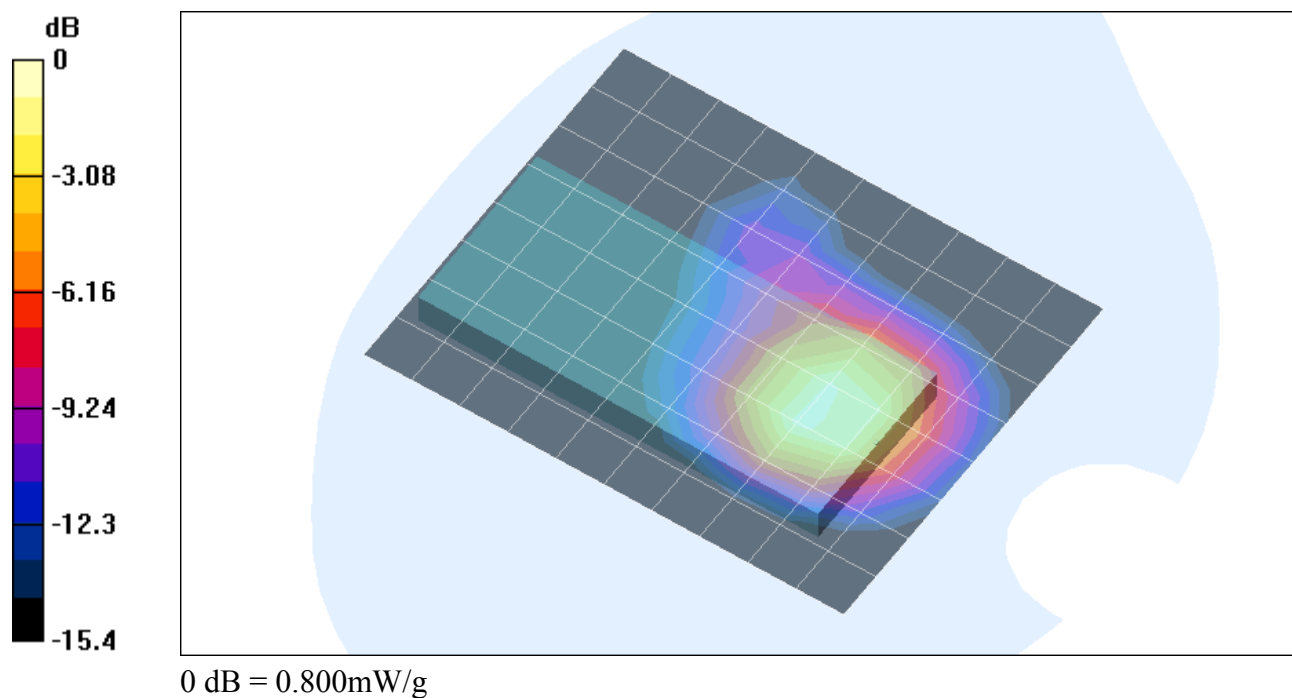
Reference Value = 13.9 V/m; Power Drift = -0.13 dB

Maximum value of SAR (measured) = 0.800 mW/g

Peak SAR (extrapolated) = 1.12 W/kg

SAR(1 g) = 0.725 mW/g; SAR(10 g) = 0.426 mW/g

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



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Medium parameters used (interpolated): $f = 1909.69$ MHz; $\sigma = 1.57$ mho/m; $\epsilon_r = 53.3$; $\rho = 1000$ kg/m³

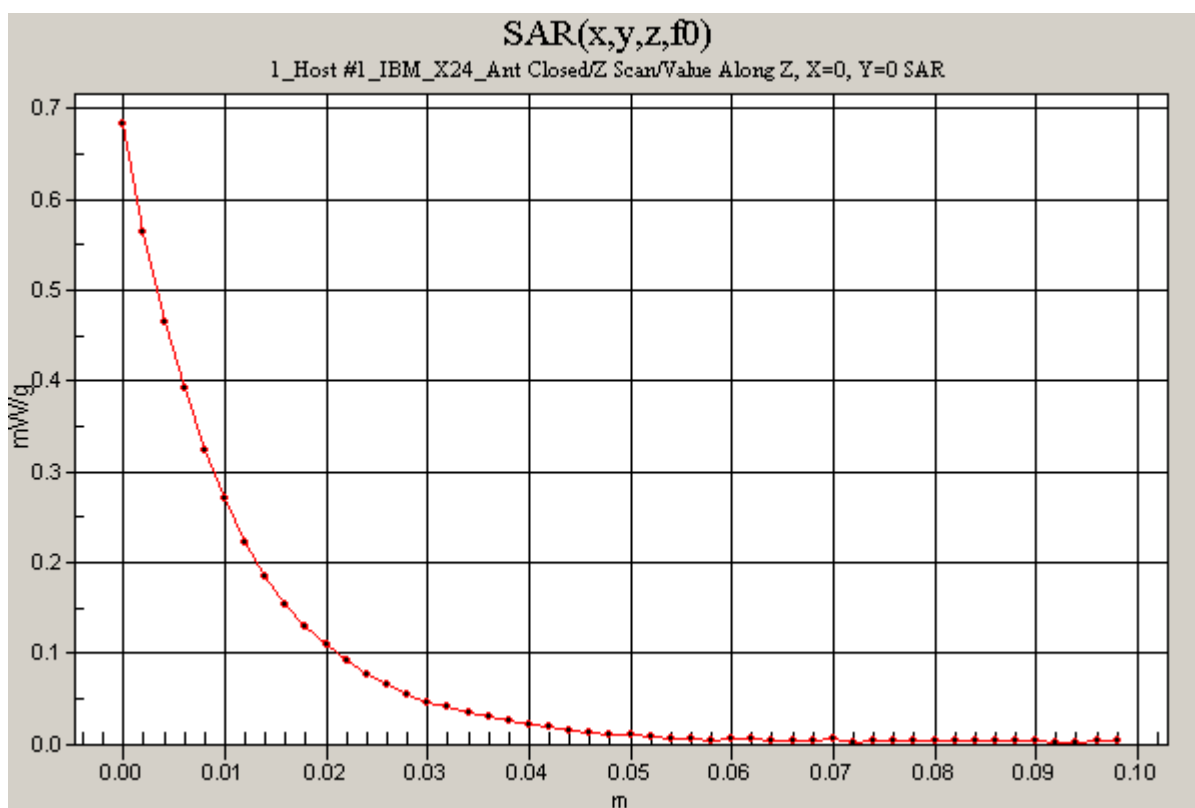
Phantom section: Flat Section

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

Reference Value = 13.9 V/m; Power Drift = -0.13 dB

Maximum value of SAR (measured) = 0.683 mW/g

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



Test Laboratory: Compliance Certification Services

File Name: [1_Host # 1 IBM_X24_Ant_Vertical.da4](#)

DUT: Kyocera; Type: UTC1900D-US-A; Serial: 0404A03766

Program Name: 1_Host # 1 IBM_X24_Ant_Vertical

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

Communication System: 1900; Frequency: 1900.31 MHz; Duty Cycle: 1:3.003

Medium parameters used (interpolated): $f = 1900.31$ MHz; $\sigma = 1.57$ mho/m; $\epsilon_r = 53.3$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY4 Configuration:

- Probe: ES3DV2 - SN3021; ConvF(4.8, 4.8, 4.8); 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

L-ch/Area Scan (11x9x1): Measurement grid: dx=15mm, dy=15mm

Reference Value = 6.55 V/m; Power Drift = -0.1 dB

Maximum value of SAR (measured) = 0.133 mW/g

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

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

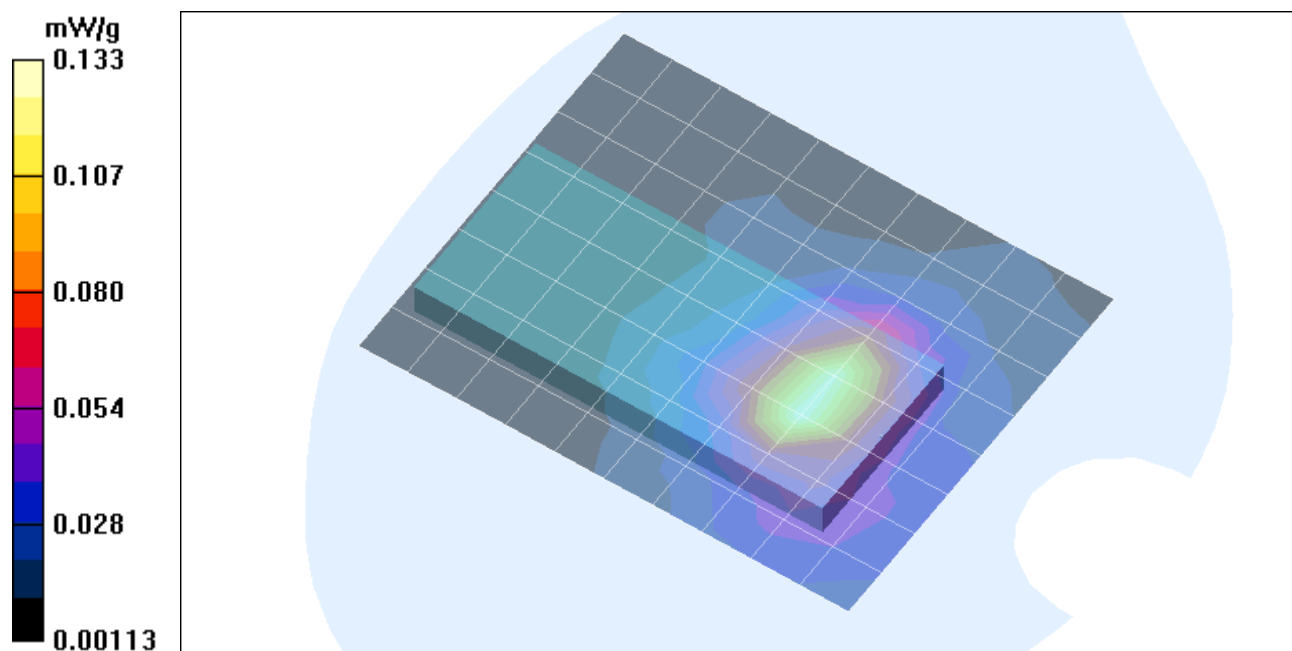
Reference Value = 6.55 V/m; Power Drift = -0.1 dB

Maximum value of SAR (measured) = 0.140 mW/g

Peak SAR (extrapolated) = 0.206 W/kg

SAR(1 g) = 0.127 mW/g; SAR(10 g) = 0.076 mW/g

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



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File Name: [1_Host # 1 IBM_X24_Ant_Vertical.da4](#)

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Medium parameters used (interpolated): $f = 1904.69$ MHz; $\sigma = 1.56$ mho/m; $\epsilon_r = 53.3$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY4 Configuration:

- Probe: ES3DV2 - SN3021; ConvF(4.8, 4.8, 4.8); 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

M-ch/Area Scan (11x9x1): Measurement grid: dx=15mm, dy=15mm

Reference Value = 5.93 V/m; Power Drift = -0.2 dB

Maximum value of SAR (measured) = 0.119 mW/g

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

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

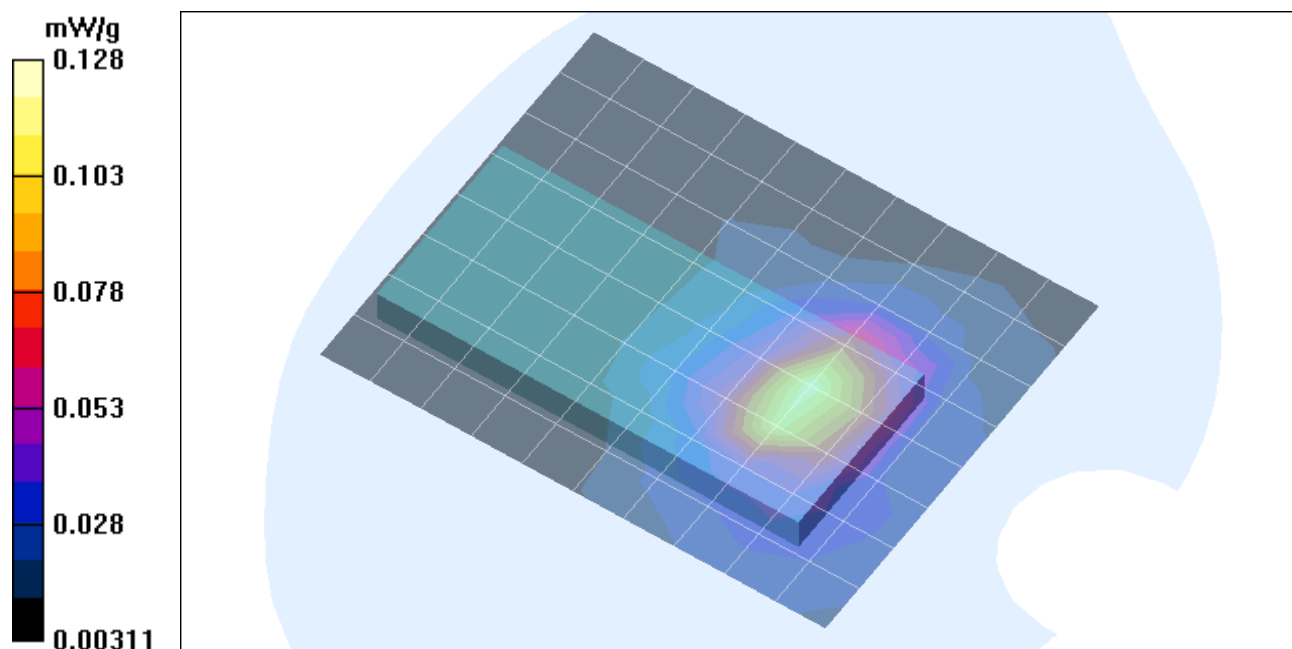
Reference Value = 5.93 V/m; Power Drift = -0.2 dB

Maximum value of SAR (measured) = 0.128 mW/g

Peak SAR (extrapolated) = 0.191 W/kg

SAR(1 g) = 0.116 mW/g; SAR(10 g) = 0.068 mW/g

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



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Communication System: 1900; Frequency: 1909.69 MHz; Duty Cycle: 1:3.003

Medium parameters used (interpolated): $f = 1909.69$ MHz; $\sigma = 1.57$ mho/m; $\epsilon_r = 53.3$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY4 Configuration:

- Probe: ES3DV2 - SN3021; ConvF(4.8, 4.8, 4.8); 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

H-ch/Area Scan (11x9x1): Measurement grid: dx=15mm, dy=15mm

Reference Value = 7.28 V/m; Power Drift = -0.1 dB

Maximum value of SAR (measured) = 0.163 mW/g

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

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

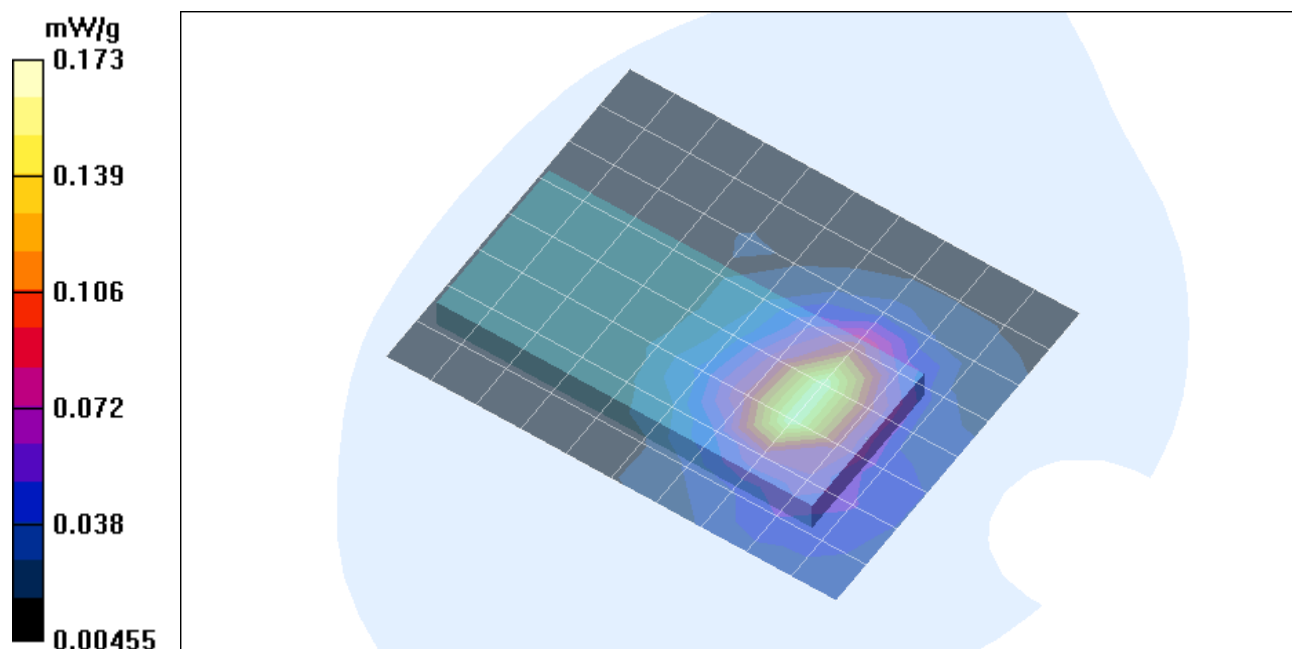
Reference Value = 7.28 V/m; Power Drift = -0.1 dB

Maximum value of SAR (measured) = 0.173 mW/g

Peak SAR (extrapolated) = 0.263 W/kg

SAR(1 g) = 0.159 mW/g; SAR(10 g) = 0.094 mW/g

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



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Communication System: 1900; Frequency: 1909.69 MHz; Duty Cycle: 1:3.003

Medium parameters used (interpolated): $f = 1909.69$ MHz; $\sigma = 1.57$ mho/m; $\epsilon_r = 53.3$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

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

Reference Value = 7.28 V/m; Power Drift = -0.1 dB

Maximum value of SAR (measured) = 0.145 mW/g

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

