

Test Laboratory: Compliance Certification Services

File Name: [1\\_L-Touch \(Antenna -204\).da4](#)

**DUT: Intermec Technologies Corporation; Type: EM3420; Serial: N/A**

**Program Name: 1\_Left Touch (Antenna -204)**

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

Communication System: PCS CDMA; Frequency: 1880 MHz; Duty Cycle: 1:1

Medium parameters used:  $f = 1880$  MHz;  $\sigma = 1.38$  mho/m;  $\epsilon_r = 40.1$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Left Section

DASY4 Configuration:

- Probe: ES3DV2 - SN3021; ConvF(5.1, 5.1, 5.1); Calibrated: 7/29/2003

- Sensor-Surface: 4mm (Mechanical Surface Detection)

- Electronics: DAE3 Sn500; Calibrated: 12/23/2003

- Phantom: SAM 1; Type: SAM 1; Serial: 1185

- Measurement SW: DASY4, V4.2 Build 44; Postprocessing SW: SEMCAD, V1.8 Build 112

**M-ch/Area Scan (9x14x1):** Measurement grid: dx=15mm, dy=15mm

Reference Value = 8.43 V/m; Power Drift = 0.0 dB

Maximum value of SAR (measured) = 0.264 mW/g

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

Reference Value = 8.43 V/m; Power Drift = 0.0 dB

Maximum value of SAR (measured) = 0.274 mW/g

Peak SAR (extrapolated) = 0.358 W/kg

**SAR(1 g) = 0.260 mW/g; SAR(10 g) = 0.169 mW/g**

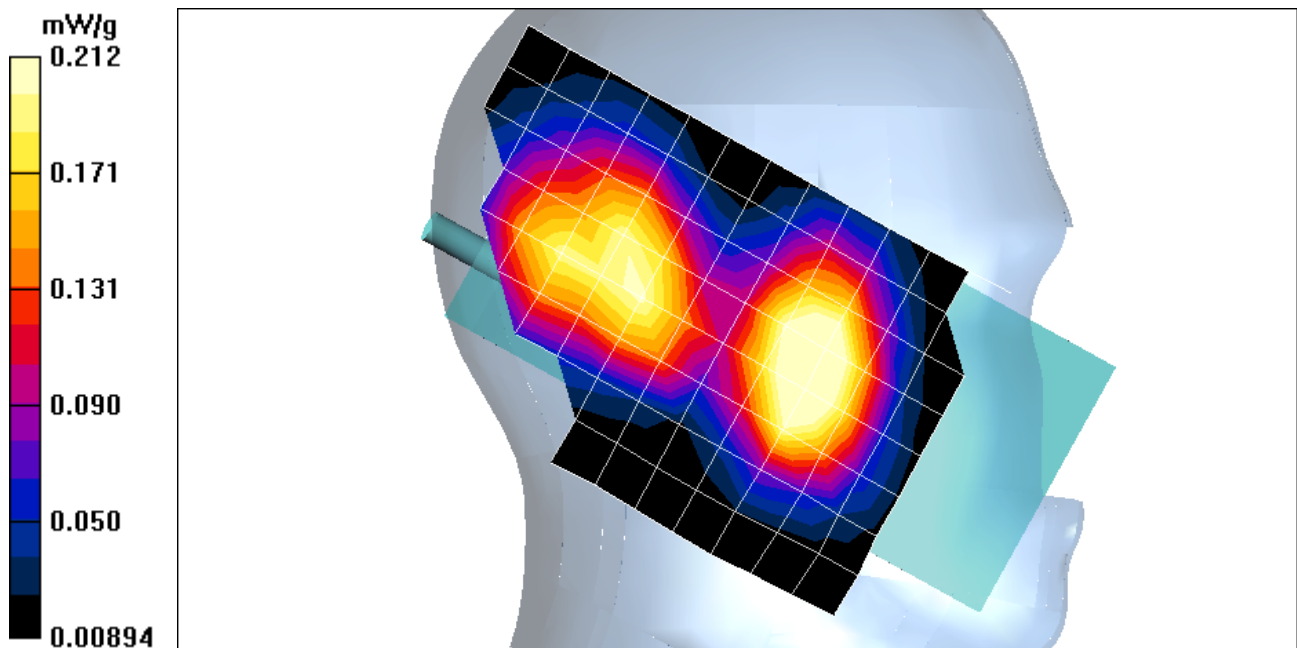
**M-ch/Zoom Scan (5x5x7)/Cube 1:** Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm

Reference Value = 8.43 V/m; Power Drift = 0.0 dB

Maximum value of SAR (measured) = 0.212 mW/g

Peak SAR (extrapolated) = 0.293 W/kg

**SAR(1 g) = 0.199 mW/g; SAR(10 g) = 0.134 mW/g**



Test Laboratory: Compliance Certification Services  
File Name: [1-2\\_L-Touch \(Antenna -102\).da4](#)

**DUT: Intermec Technologies Corporation; Type: EM3420; Serial: N/A**  
**Program Name: 1-2 Left Touch (Antenna -102)**  
**Ambient Temp.: 24.0 deg. C; Liquid Temp.: 23.0 deg. C**

Communication System: PCS CDMA; Frequency: 1880 MHz; Duty Cycle: 1:1  
Medium parameters used:  $f = 1880$  MHz;  $\sigma = 1.38$  mho/m;  $\epsilon_r = 40.1$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Phantom section: Left Section

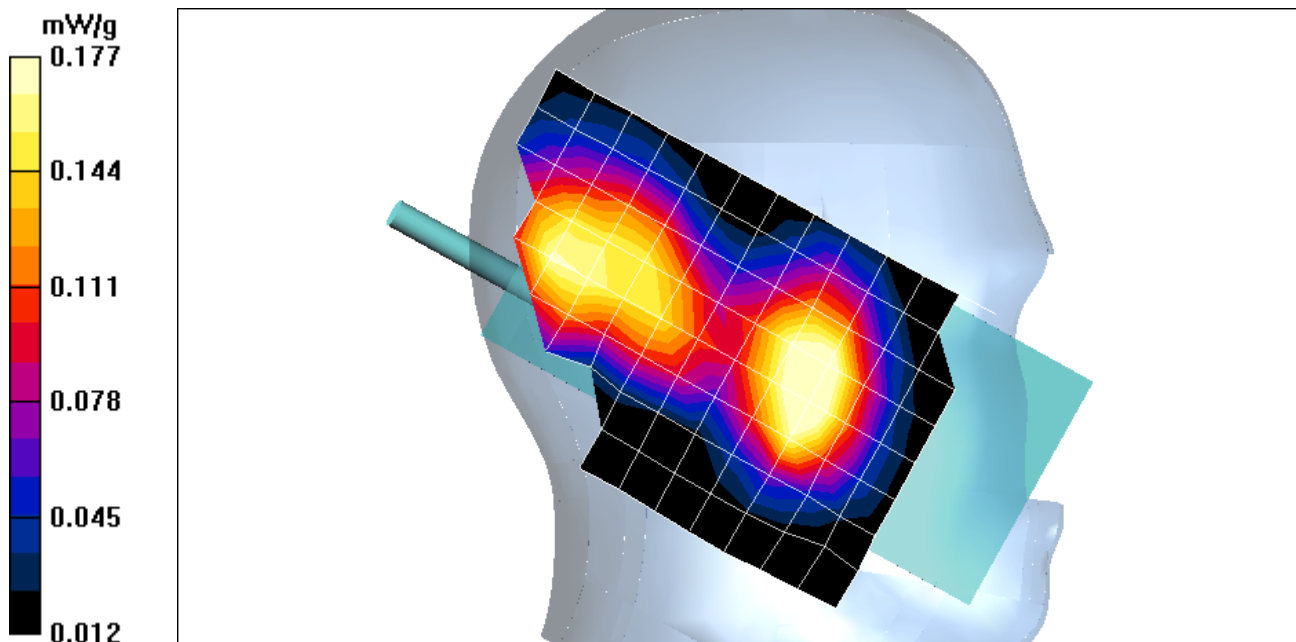
DASY4 Configuration:

- Probe: ES3DV2 - SN3021; ConvF(5.1, 5.1, 5.1); Calibrated: 7/29/2003
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn500; Calibrated: 12/23/2003
- Phantom: SAM 1; Type: SAM 1; Serial: 1185
- Measurement SW: DASY4, V4.2 Build 44; Postprocessing SW: SEMCAD, V1.8 Build 112

**M-ch/Area Scan (9x14x1):** Measurement grid: dx=15mm, dy=15mm

**M-ch/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm  
Reference Value = 8.22 V/m; Power Drift = -0.0 dB  
Maximum value of SAR (measured) = 0.215 mW/g  
Peak SAR (extrapolated) = 0.289 W/kg  
**SAR(1 g) = 0.201 mW/g; SAR(10 g) = 0.130 mW/g**

**M-ch/Zoom Scan (5x5x7)/Cube 1:** Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm  
Reference Value = 8.22 V/m; Power Drift = -0.0 dB  
Maximum value of SAR (measured) = 0.177 mW/g  
Peak SAR (extrapolated) = 0.243 W/kg  
**SAR(1 g) = 0.170 mW/g; SAR(10 g) = 0.114 mW/g**



Test Laboratory: Compliance Certification Services  
File Name: [1-3\\_L-Tilt \(Antenna -204\).da4](#)

**DUT: Intermec Technologies Corporation; Type: EM3420; Serial: N/A**  
**Program Name: 1-3 Left Tilt (Antenna -204)**  
**Ambient Temp.: 24.0 deg. C; Liquid Temp.: 23.0 deg. C**

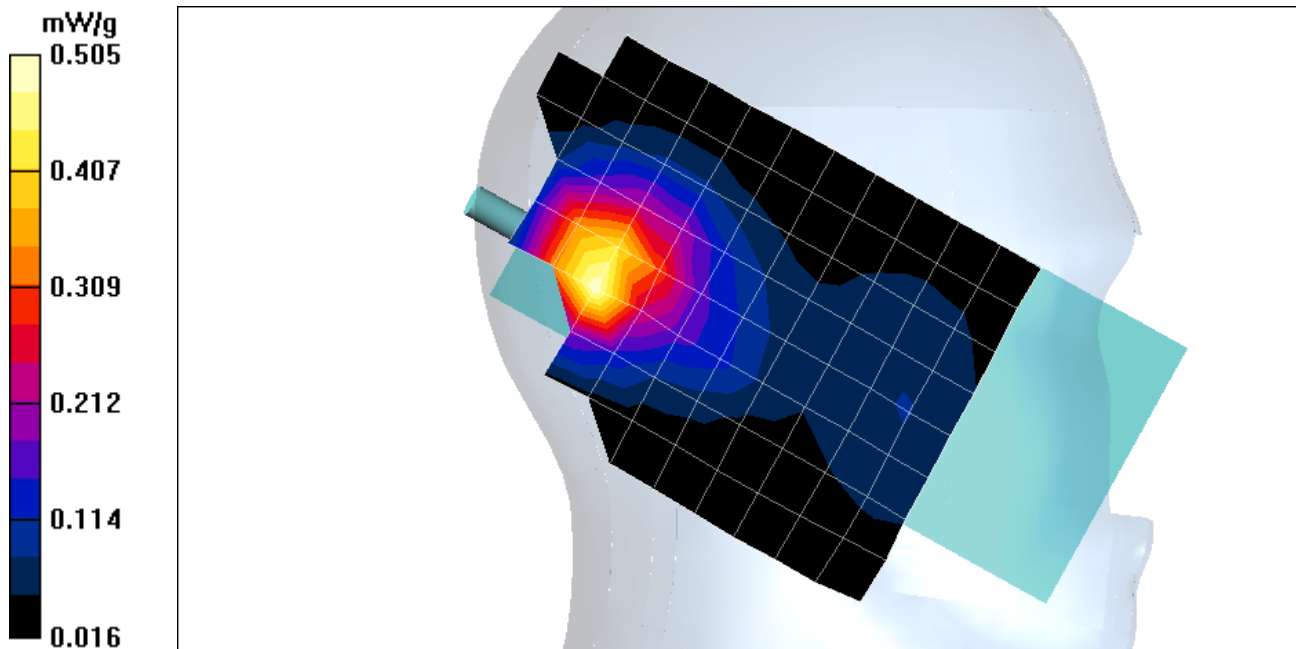
Communication System: PCS CDMA; Frequency: 1880 MHz; Duty Cycle: 1:1  
Medium parameters used:  $f = 1880$  MHz;  $\sigma = 1.38$  mho/m;  $\epsilon_r = 40.1$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Phantom section: Left Section

DASY4 Configuration:

- Probe: ES3DV2 - SN3021; ConvF(5.1, 5.1, 5.1); Calibrated: 7/29/2003
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn500; Calibrated: 12/23/2003
- Phantom: SAM 1; Type: SAM 1; Serial: 1185
- Measurement SW: DASY4, V4.2 Build 44; Postprocessing SW: SEMCAD, V1.8 Build 112

**M-ch/Area Scan (9x13x1):** Measurement grid: dx=15mm, dy=15mm  
Reference Value = 8.12 V/m; Power Drift = 0.1 dB  
Maximum value of SAR (measured) = 0.499 mW/g

**M-ch/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm  
Reference Value = 8.12 V/m; Power Drift = 0.1 dB  
Maximum value of SAR (measured) = 0.505 mW/g  
Peak SAR (extrapolated) = 0.696 W/kg  
**SAR(1 g) = 0.481 mW/g; SAR(10 g) = 0.301 mW/g**



Test Laboratory: Compliance Certification Services  
 File Name: [1-4\\_L-Tilt \(Antenna -102\).da4](#)

**DUT: Intermec Technologies Corporation; Type: EM3420; Serial: N/A**  
**Program Name: 1-4 Left Tilt (Antenna -102)**  
**Ambient Temp.: 24.0 deg. C; Liquid Temp.: 23.0 deg. C**

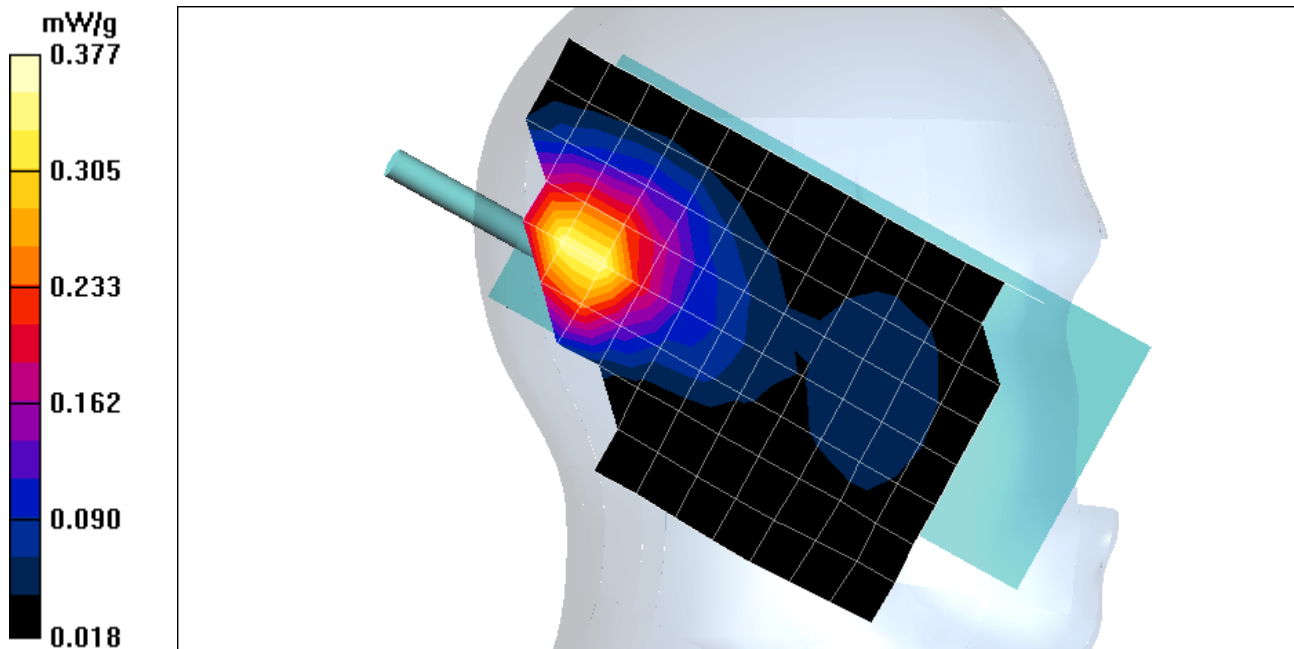
Communication System: PCS CDMA; Frequency: 1880 MHz; Duty Cycle: 1:1  
 Medium parameters used:  $f = 1880$  MHz;  $\sigma = 1.38$  mho/m;  $\epsilon_r = 40.1$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
 Phantom section: Left Section

DASY4 Configuration:

- Probe: ES3DV2 - SN3021; ConvF(5.1, 5.1, 5.1); Calibrated: 7/29/2003
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn500; Calibrated: 12/23/2003
- Phantom: SAM 1; Type: SAM 1; Serial: 1185
- Measurement SW: DASY4, V4.2 Build 44; Postprocessing SW: SEMCAD, V1.8 Build 112

**M-ch/Area Scan (9x14x1):** Measurement grid: dx=15mm, dy=15mm  
 Reference Value = 7.21 V/m; Power Drift = -0.13 dB  
 Maximum value of SAR (measured) = 0.349 mW/g

**M-ch/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm  
 Reference Value = 7.21 V/m; Power Drift = -0.13 dB  
 Maximum value of SAR (measured) = 0.377 mW/g  
 Peak SAR (extrapolated) = 0.498 W/kg  
**SAR(1 g) = 0.352 mW/g; SAR(10 g) = 0.224 mW/g**



Test Laboratory: Compliance Certification Services  
 File Name: [2-1\\_R-Touch \(Antenna -204\).da4](#)

**DUT: Intermec Technologies Corporation; Type: EM3420; Serial: N/A**  
**Program Name: 2-1\_Right Touch (Antenna -204)**  
**Ambient Temp.: 24.0 deg. C; Liquid Temp.: 23.0 deg. C**

Communication System: PCS CDMA; Frequency: 1880 MHz; Duty Cycle: 1:1  
 Medium parameters used:  $f = 1880$  MHz;  $\sigma = 1.38$  mho/m;  $\epsilon_r = 40.1$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
 Phantom section: Right Section

DASY4 Configuration:

- Probe: ES3DV2 - SN3021; ConvF(5.1, 5.1, 5.1); Calibrated: 7/29/2003
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn500; Calibrated: 12/23/2003
- Phantom: SAM 1; Type: SAM 1; Serial: 1185
- Measurement SW: DASY4, V4.2 Build 44; Postprocessing SW: SEMCAD, V1.8 Build 112

**M-ch/Area Scan (9x13x1):** Measurement grid: dx=15mm, dy=15mm

Reference Value = 9.7 V/m; Power Drift = -0.1 dB

Maximum value of SAR (measured) = 0.334 mW/g

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

Reference Value = 9.7 V/m; Power Drift = -0.1 dB

Maximum value of SAR (measured) = 0.358 mW/g

Peak SAR (extrapolated) = 0.497 W/kg

**SAR(1 g) = 0.333 mW/g; SAR(10 g) = 0.205 mW/g**

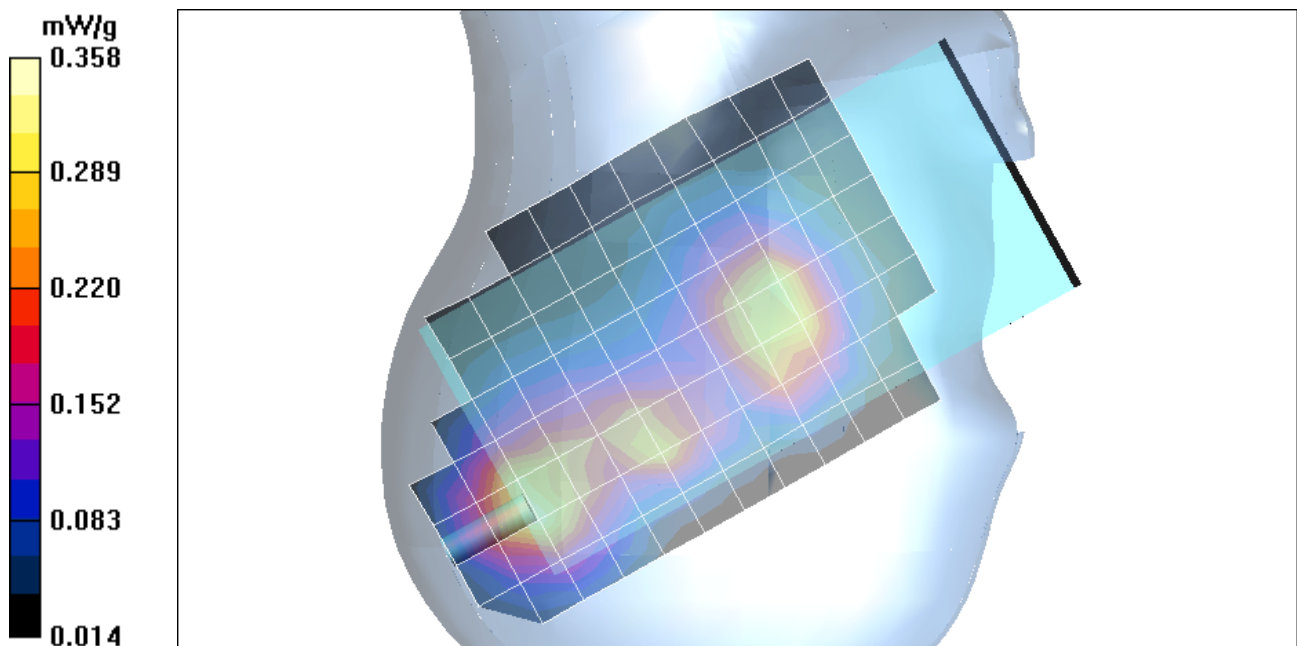
**M-ch/Zoom Scan (5x5x7)/Cube 1:** Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm

Reference Value = 9.7 V/m; Power Drift = -0.1 dB

Maximum value of SAR (measured) = 0.358 mW/g

Peak SAR (extrapolated) = 0.482 W/kg

**SAR(1 g) = 0.328 mW/g; SAR(10 g) = 0.206 mW/g**



Test Laboratory: Compliance Certification Services  
 File Name: [2-2\\_R-Touch \(Antenna -102\).da4](#)

**DUT: Intermec Technologies Corporation; Type: EM3420; Serial: N/A**  
**Program Name: 2-2\_Right Touch (Antenna -102)**  
**Ambient Temp.: 24.0 deg. C; Liquid Temp.: 23.0 deg. C**

Communication System: PCS CDMA; Frequency: 1880 MHz; Duty Cycle: 1:1  
 Medium parameters used:  $f = 1880$  MHz;  $\sigma = 1.38$  mho/m;  $\epsilon_r = 40.1$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
 Phantom section: Right Section

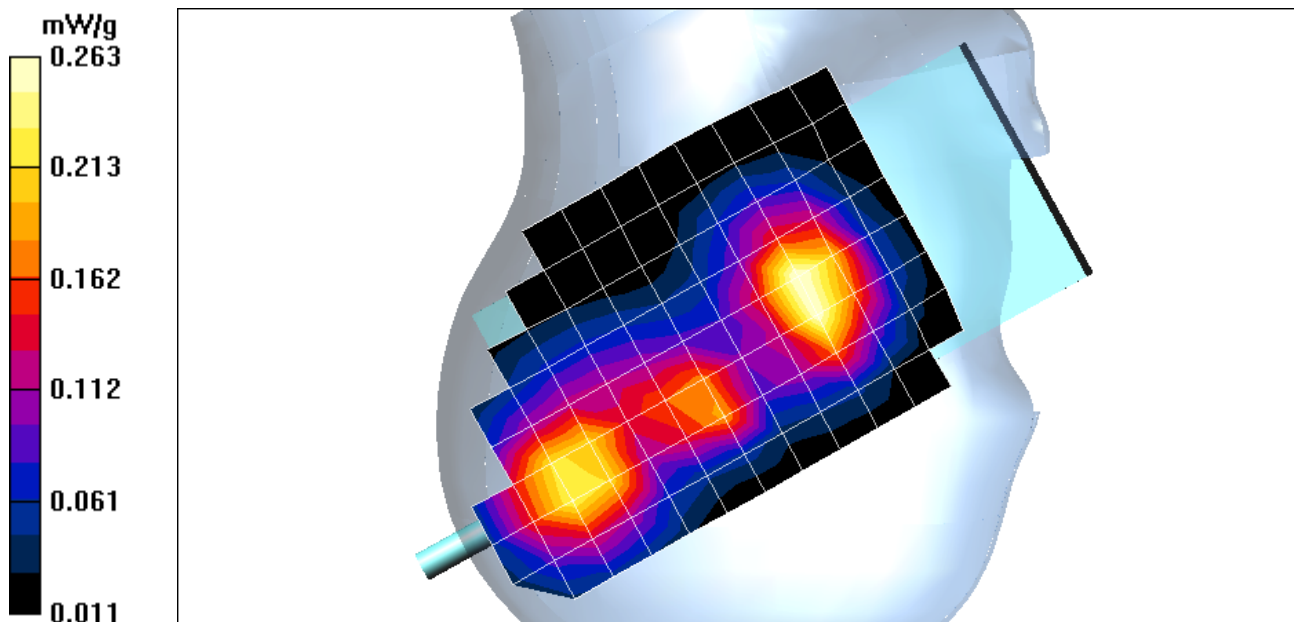
DASY4 Configuration:

- Probe: ES3DV2 - SN3021; ConvF(5.1, 5.1, 5.1); Calibrated: 7/29/2003
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn500; Calibrated: 12/23/2003
- Phantom: SAM 1; Type: SAM 1; Serial: 1185
- Measurement SW: DASY4, V4.2 Build 44; Postprocessing SW: SEMCAD, V1.8 Build 112

**M-ch/Area Scan (9x14x1):** Measurement grid: dx=15mm, dy=15mm  
 Reference Value = 8.12 V/m; Power Drift = 0.1 dB  
 Maximum value of SAR (measured) = 0.272 mW/g

**M-ch/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm  
 Reference Value = 8.12 V/m; Power Drift = 0.1 dB  
 Maximum value of SAR (measured) = 0.290 mW/g  
 Peak SAR (extrapolated) = 0.384 W/kg  
**SAR(1 g) = 0.265 mW/g; SAR(10 g) = 0.166 mW/g**

**M-ch/Zoom Scan (5x5x7)/Cube 1:** Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm  
 Reference Value = 8.12 V/m; Power Drift = 0.1 dB  
 Maximum value of SAR (measured) = 0.263 mW/g  
 Peak SAR (extrapolated) = 0.359 W/kg  
**SAR(1 g) = 0.243 mW/g; SAR(10 g) = 0.153 mW/g**



Test Laboratory: Compliance Certification Services

File Name: [2-3\\_R-Tilt \(Antenna -204\).da4](#)

**DUT: Intermec Technologies Corporation; Type: EM3420; Serial: N/A**

**Program Name: 2-3\_Right Tilt (Antenna -204)**

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

Communication System: PCS CDMA; Frequency: 1851.25 MHz; Duty Cycle: 1:1

Medium parameters used (interpolated):  $f = 1851.25$  MHz;  $\sigma = 1.36$  mho/m;  $\epsilon_r = 40.2$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Right Section

DASY4 Configuration:

- Probe: ES3DV2 - SN3021; ConvF(5.1, 5.1, 5.1); Calibrated: 7/29/2003

- Sensor-Surface: 4mm (Mechanical Surface Detection)

- Electronics: DAE3 Sn500; Calibrated: 12/23/2003

- Phantom: SAM 1; Type: SAM 1; Serial: 1185

- Measurement SW: DASY4, V4.2 Build 44; Postprocessing SW: SEMCAD, V1.8 Build 112

**L-ch/Area Scan (9x12x1):** Measurement grid: dx=15mm, dy=15mm

Reference Value = 8.6 V/m; Power Drift = 0.0 dB

Maximum value of SAR (measured) = 0.833 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

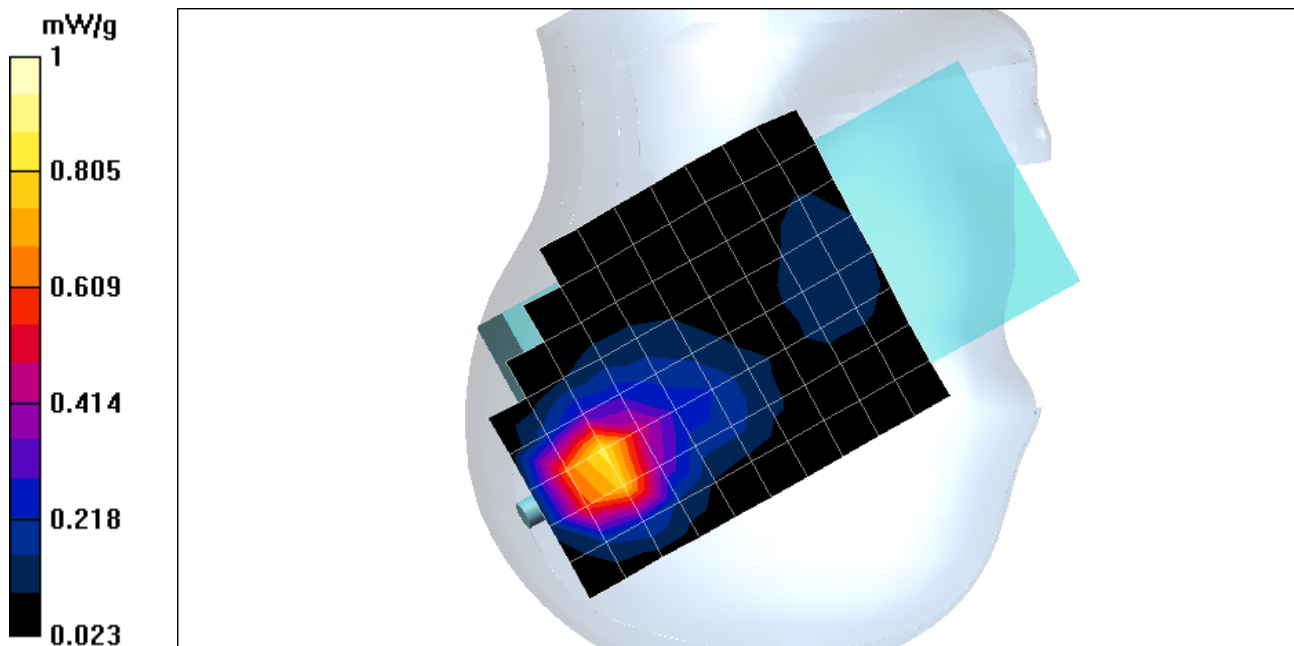
Reference Value = 8.6 V/m; Power Drift = 0.0 dB

Maximum value of SAR (measured) = 1 mW/g

Peak SAR (extrapolated) = 1.45 W/kg

**SAR(1 g) = 0.931 mW/g; SAR(10 g) = 0.538 mW/g**

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



Test Laboratory: Compliance Certification Services  
File Name: [2-3\\_R-Tilt \(Antenna -204\).da4](#)

**DUT: Intermec Technologies Corporation; Type: EM3420; Serial: N/A**  
**Program Name: 2-3\_Right Tilt (Antenna -204)**  
**Ambient Temp.: 24.0 deg. C; Liquid Temp.: 23.0 deg. C**

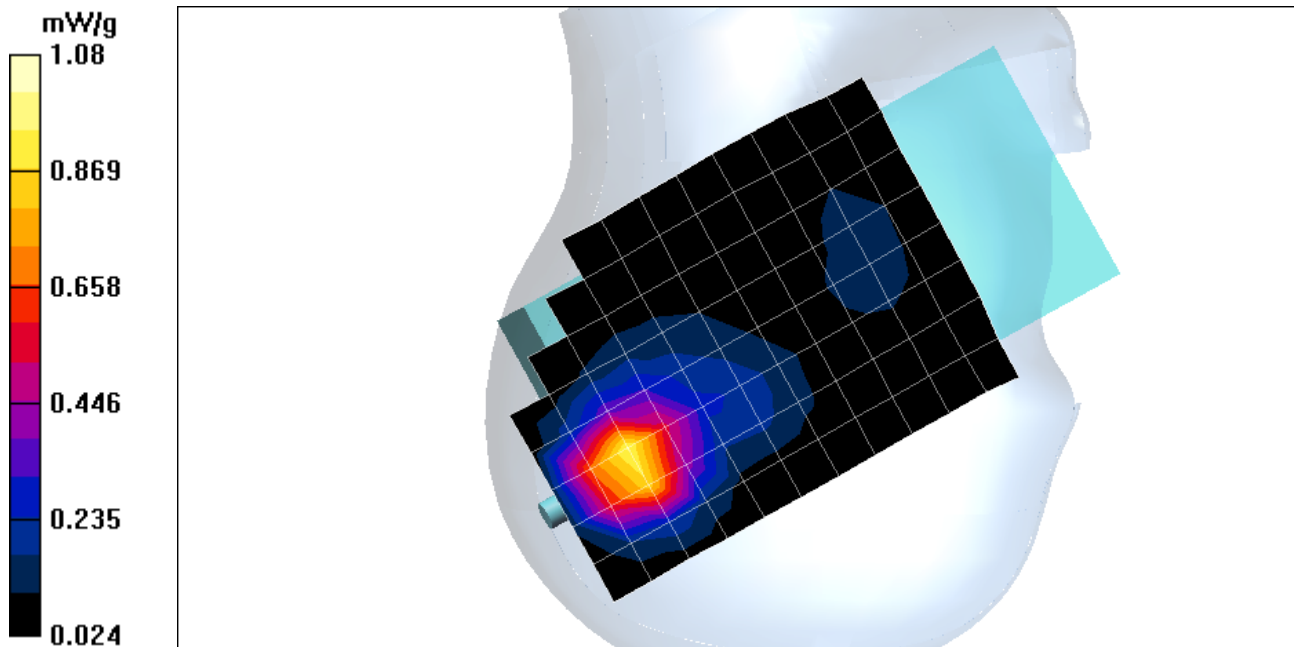
Communication System: PCS CDMA; Frequency: 1880 MHz; Duty Cycle: 1:1  
Medium parameters used:  $f = 1880$  MHz;  $\sigma = 1.38$  mho/m;  $\epsilon_r = 40.1$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Phantom section: Right Section

DASY4 Configuration:

- Probe: ES3DV2 - SN3021; ConvF(5.1, 5.1, 5.1); Calibrated: 7/29/2003
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn500; Calibrated: 12/23/2003
- Phantom: SAM 1; Type: SAM 1; Serial: 1185
- Measurement SW: DASY4, V4.2 Build 44; Postprocessing SW: SEMCAD, V1.8 Build 112

**M-ch/Area Scan (9x13x1):** Measurement grid: dx=15mm, dy=15mm  
Reference Value = 8.74 V/m; Power Drift = 0.1 dB  
Maximum value of SAR (measured) = 0.950 mW/g

**M-ch/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm  
Reference Value = 8.74 V/m; Power Drift = 0.1 dB  
Maximum value of SAR (measured) = 1.08 mW/g  
Peak SAR (extrapolated) = 1.57 W/kg  
**SAR(1 g) = 1 mW/g; SAR(10 g) = 0.581 mW/g**





Test Laboratory: Compliance Certification Services

File Name: [2-3\\_R-Tilt \(Antenna -204\).da4](#)

**DUT: Intermec Technologies Corporation; Type: EM3420; Serial: N/A**

**Program Name: 2-3\_Right Touch (Antenna -204)**

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

Communication System: PCS CDMA; Frequency: 1908.75 MHz; Duty Cycle: 1:1

Medium parameters used (interpolated):  $f = 1908.75$  MHz;  $\sigma = 1.41$  mho/m;  $\epsilon_r = 40$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Right Section

DASY4 Configuration:

- Probe: ES3DV2 - SN3021; ConvF(5.1, 5.1, 5.1); Calibrated: 7/29/2003

- Sensor-Surface: 4mm (Mechanical Surface Detection)

- Electronics: DAE3 Sn500; Calibrated: 12/23/2003

- Phantom: SAM 1; Type: SAM 1; Serial: 1185

- Measurement SW: DASY4, V4.2 Build 44; Postprocessing SW: SEMCAD, V1.8 Build 112

**H-ch/Area Scan (9x12x1):** Measurement grid: dx=15mm, dy=15mm

Reference Value = 8.92 V/m; Power Drift = 0.1 dB

Maximum value of SAR (measured) = 1.04 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

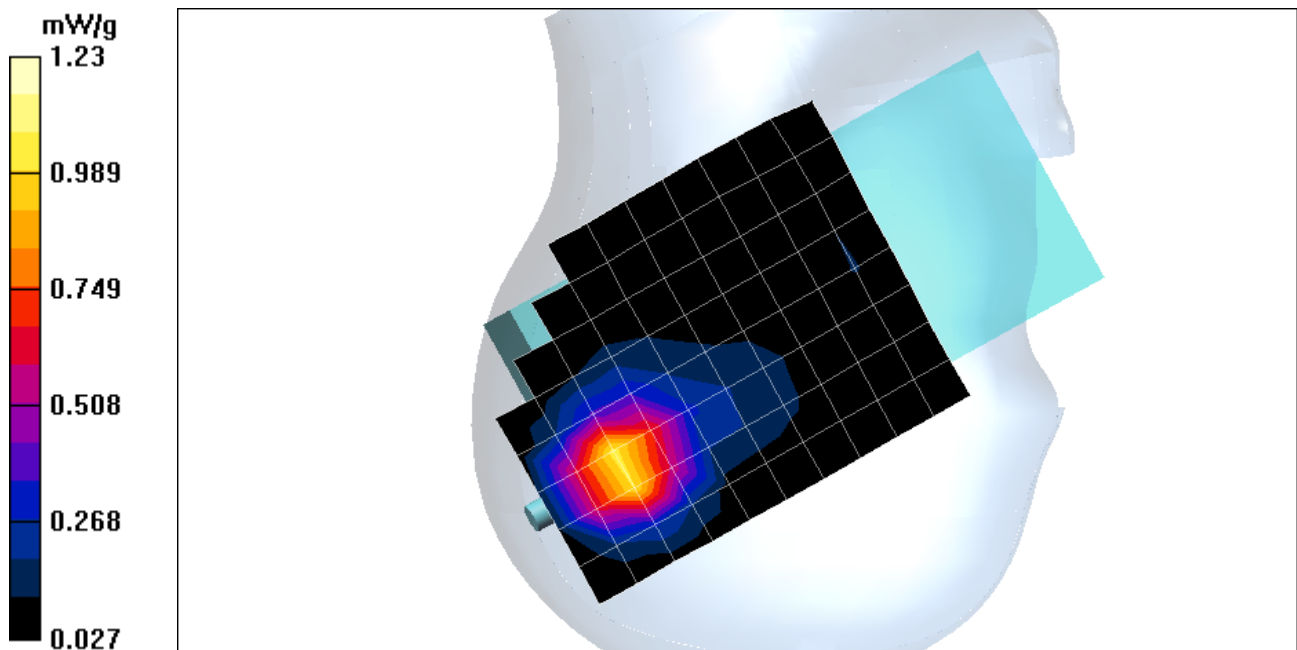
Reference Value = 8.92 V/m; Power Drift = 0.1 dB

Maximum value of SAR (measured) = 1.23 mW/g

Peak SAR (extrapolated) = 1.74 W/kg

**SAR(1 g) = 1.14 mW/g; SAR(10 g) = 0.656 mW/g**

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



Test Laboratory: Compliance Certification Services

File Name: [2-3\\_R-Tilt \(Antenna -204\).da4](#)

**DUT: Intermec Technologies Corporation; Type: EM3420; Serial: N/A**

**Program Name: 2-3\_Right Tilt (Antenna -204)**

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

Communication System: PCS CDMA; Frequency: 1908.75 MHz; Duty Cycle: 1:1

Medium parameters used (interpolated):  $f = 1908.75$  MHz;  $\sigma = 1.41$  mho/m;  $\epsilon_r = 40$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Right Section

DASY4 Configuration:

- Probe: ES3DV2 - SN3021; ConvF(5.1, 5.1, 5.1); Calibrated: 7/29/2003

- Sensor-Surface: 4mm (Mechanical Surface Detection)

- Electronics: DAE3 Sn500; Calibrated: 12/23/2003

- Phantom: SAM 1; Type: SAM 1; Serial: 1185

- Measurement SW: DASY4, V4.2 Build 44; Postprocessing SW: SEMCAD, V1.8 Build 112

**Co-location H-ch/Area Scan (9x12x1):** Measurement grid: dx=15mm, dy=15mm

Reference Value = 8.97 V/m; Power Drift = 0.0 dB

Maximum value of SAR (measured) = 1.06 mW/g

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

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

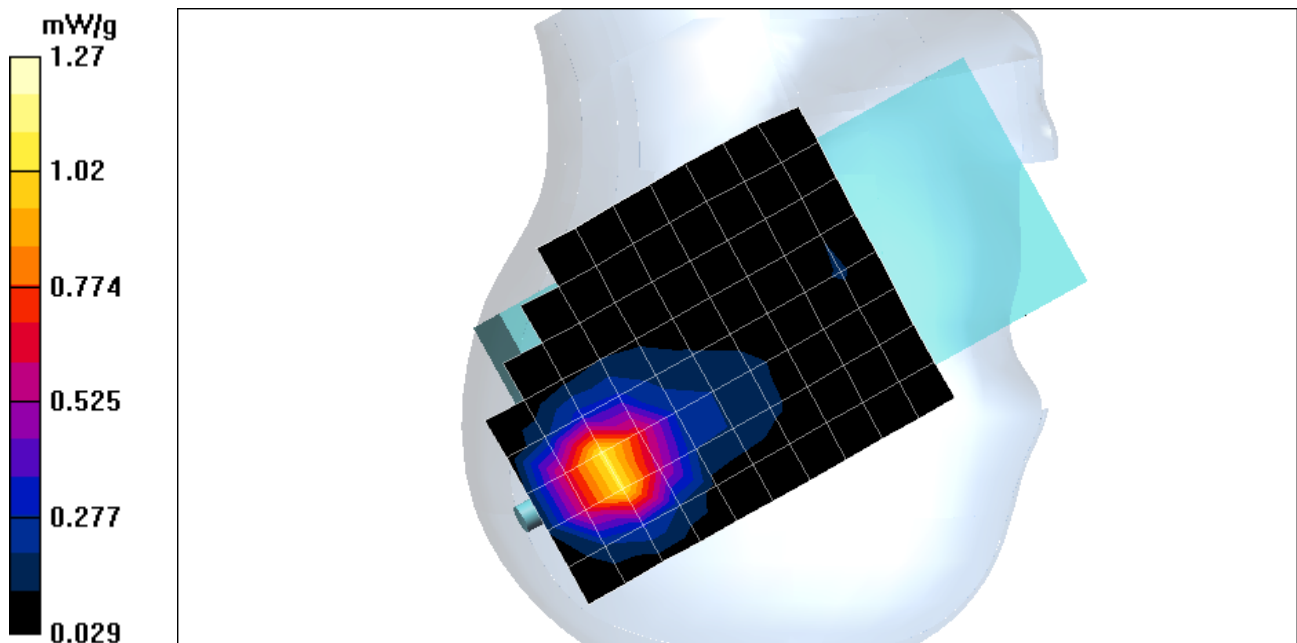
Reference Value = 8.97 V/m; Power Drift = 0.0 dB

Maximum value of SAR (measured) = 1.27 mW/g

Peak SAR (extrapolated) = 1.83 W/kg

**SAR(1 g) = 1.17 mW/g; SAR(10 g) = 0.674 mW/g**

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



Test Laboratory: Compliance Certification Services

File Name: [2-3\\_R-Tilt \(Antenna -204\).da4](#)

**DUT: Intermec Technologies Corporation; Type: EM3420; Serial: N/A**

**Program Name: 2-3\_Right Tilt (Antenna -204)**

Communication System: PCS CDMA; Frequency: 1908.75 MHz; Duty Cycle: 1:1

Medium parameters used (interpolated):  $f = 1908.75$  MHz;  $\sigma = 1.41$  mho/m;  $\epsilon_r = 40$ ;  $\rho = 1000$  kg/m<sup>3</sup>

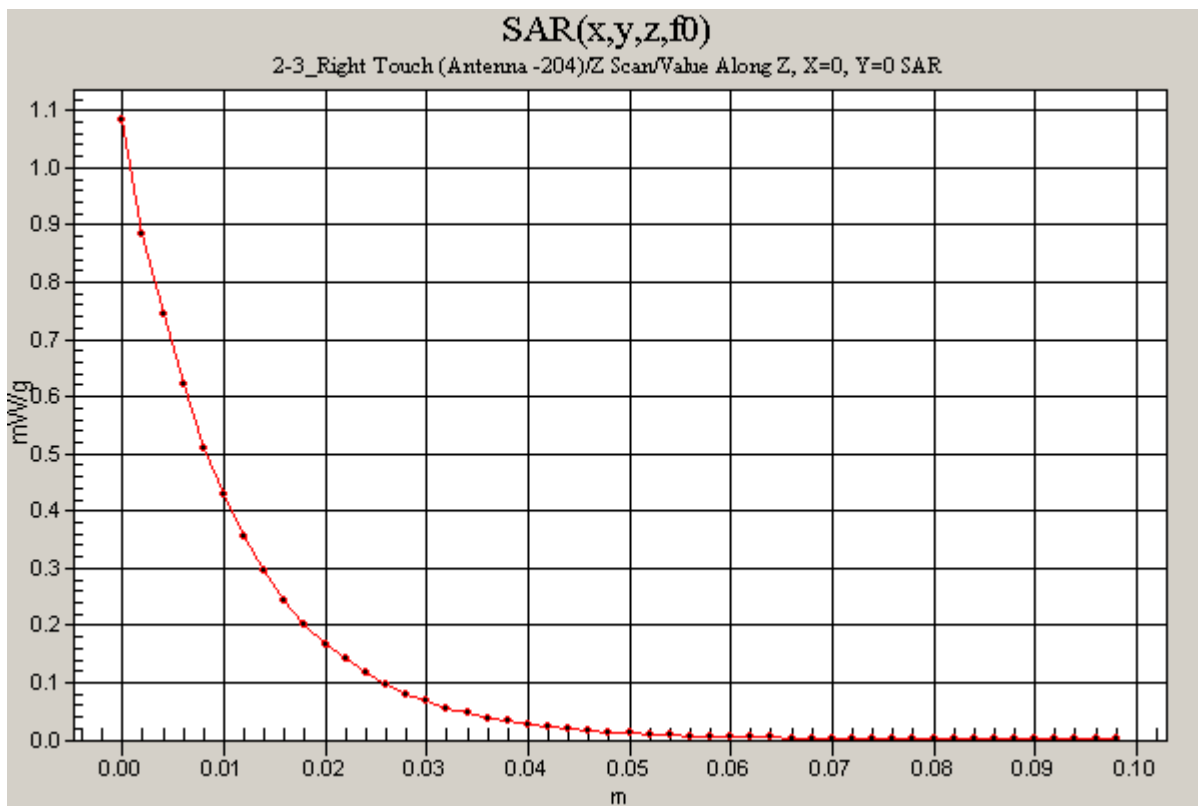
Phantom section: Right Section

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

Reference Value = 8.97 V/m; Power Drift = 0.0 dB

Maximum value of SAR (measured) = 1.08 mW/g

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



Test Laboratory: Compliance Certification Services

File Name: [2-4\\_R-Tilt \(Antenna -102\).da4](#)

**DUT: Intermec Technologies Corporation; Type: EM3420; Serial: N/A**

**Program Name: 2-4\_Right Tilt (Antenna -102)**

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

Communication System: PCS CDMA; Frequency: 1880 MHz; Duty Cycle: 1:1

Medium parameters used:  $f = 1880$  MHz;  $\sigma = 1.38$  mho/m;  $\epsilon_r = 40.1$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Right Section

DASY4 Configuration:

- Probe: ES3DV2 - SN3021; ConvF(5.1, 5.1, 5.1); Calibrated: 7/29/2003

- Sensor-Surface: 4mm (Mechanical Surface Detection)

- Electronics: DAE3 Sn500; Calibrated: 12/23/2003

- Phantom: SAM 1; Type: SAM 1; Serial: 1185

- Measurement SW: DASY4, V4.2 Build 44; Postprocessing SW: SEMCAD, V1.8 Build 112

**M-ch/Area Scan (9x14x1):** Measurement grid: dx=15mm, dy=15mm

Reference Value = 7.42 V/m; Power Drift = -0.13 dB

Maximum value of SAR (measured) = 0.648 mW/g

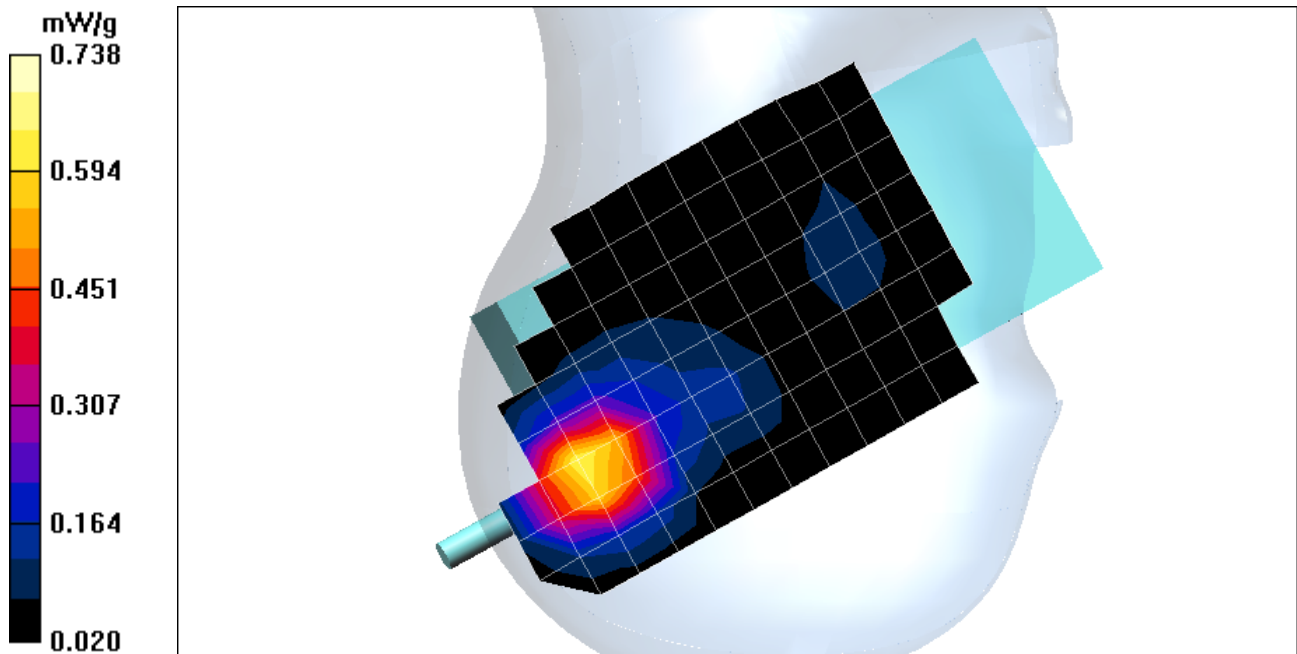
**M-ch/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm

Reference Value = 7.42 V/m; Power Drift = -0.13 dB

Maximum value of SAR (measured) = 0.738 mW/g

Peak SAR (extrapolated) = 1.03 W/kg

**SAR(1 g) = 0.677 mW/g; SAR(10 g) = 0.409 mW/g**



Test Laboratory: Compliance Certification Services  
 File Name: [3-1\\_Face-held \(Antenna -204\).da4](#)

**DUT: Intermec Technologies Corporation; Type: EM3420; Serial: N/A**  
**Program Name: 3-1\_Face-held (Antenna -204)**  
**Ambient Temp.: 24.0 deg. C; Liquid Temp.: 23.0 deg. C**

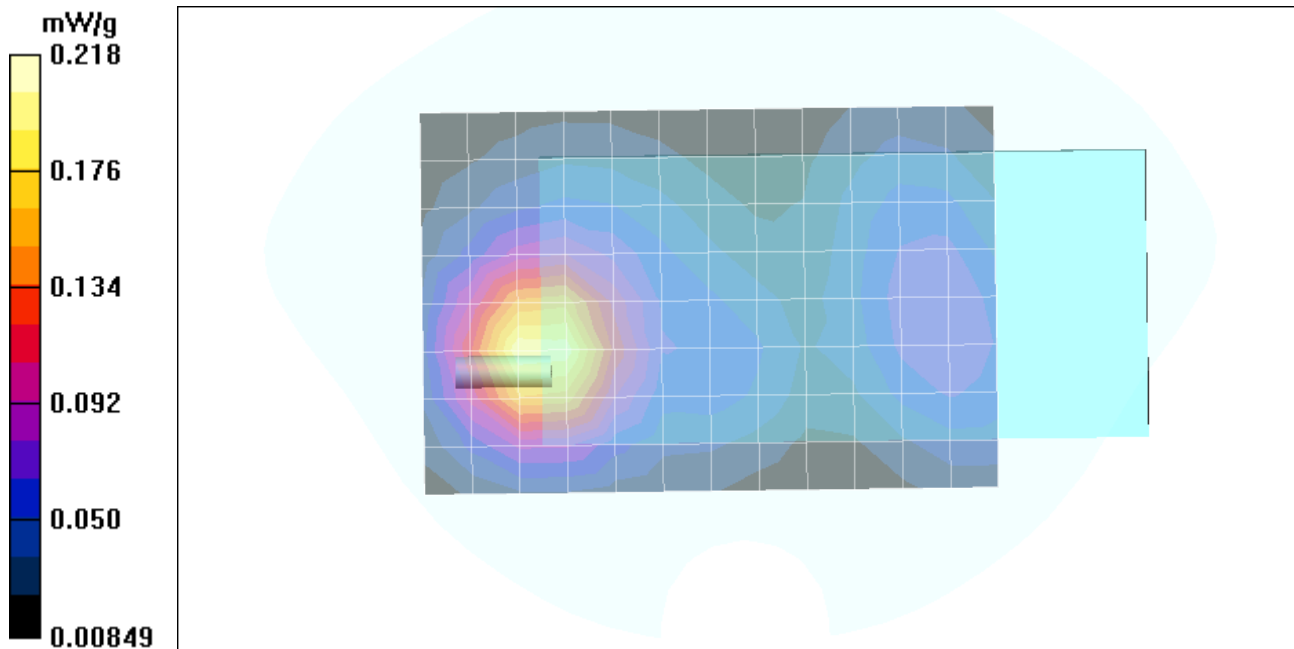
Communication System: PCS CDMA; Frequency: 1880 MHz; Duty Cycle: 1:1  
 Medium parameters used:  $f = 1880$  MHz;  $\sigma = 1.38$  mho/m;  $\epsilon_r = 40.1$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
 Phantom section: Flat Section

DASY4 Configuration:

- Probe: ES3DV2 - SN3021; ConvF(5.1, 5.1, 5.1); Calibrated: 7/29/2003
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn500; Calibrated: 12/23/2003
- Phantom: SAM 1; Type: SAM 1; Serial: 1185
- Measurement SW: DASY4, V4.2 Build 44; Postprocessing SW: SEMCAD, V1.8 Build 112

**M-ch/Area Scan (9x13x1):** Measurement grid: dx=15mm, dy=15mm  
 Reference Value = 5.86 V/m; Power Drift = 0.1 dB  
 Maximum value of SAR (measured) = 0.203 mW/g

**M-ch/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm  
 Reference Value = 5.86 V/m; Power Drift = 0.1 dB  
 Maximum value of SAR (measured) = 0.218 mW/g  
 Peak SAR (extrapolated) = 0.312 W/kg  
**SAR(1 g) = 0.202 mW/g; SAR(10 g) = 0.126 mW/g**



Test Laboratory: Compliance Certification Services

File Name: [3-1\\_Face-held \(Antenna -204\).da4](#)

**DUT: Intermec Technologies Corporation; Type: EM3420; Serial: N/A**

**Program Name: 3-1\_Face-held (Antenna -204)**

Communication System: PCS CDMA; Frequency: 1880 MHz; Duty Cycle: 1:1

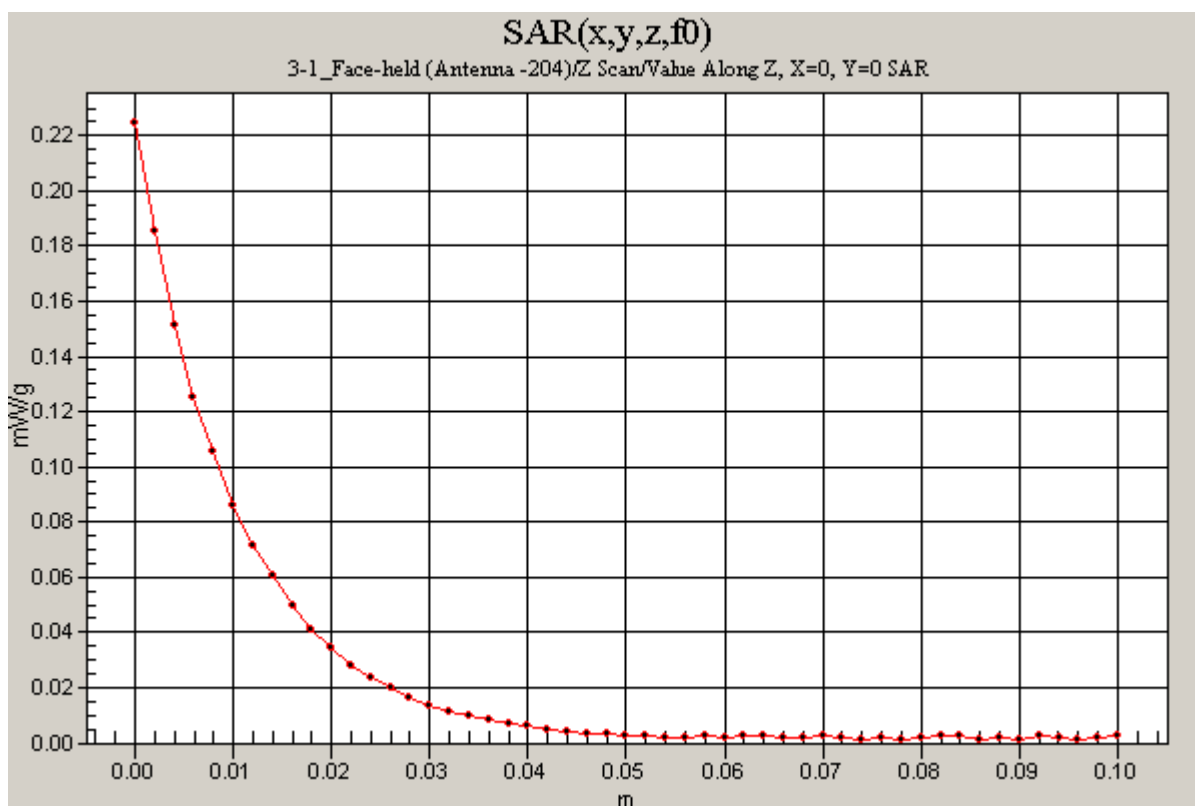
Medium parameters used:  $f = 1880$  MHz;  $\sigma = 1.38$  mho/m;  $\epsilon_r = 40.1$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

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

Reference Value = 5.86 V/m; Power Drift = 0.0 dB

Maximum value of SAR (measured) = 0.225 mW/g



Test Laboratory: Compliance Certification Services  
 File Name: [3-2\\_Face-held \(Antenna -102\).da4](#)

**DUT: Intermec Technologies Corporation; Type: EM3420; Serial: N/A**  
**Program Name: 3-2\_Face-held (Antenna -102)**  
**Ambient Temp.: 24.0 deg. C; Liquid Temp.: 23.0 deg. C**

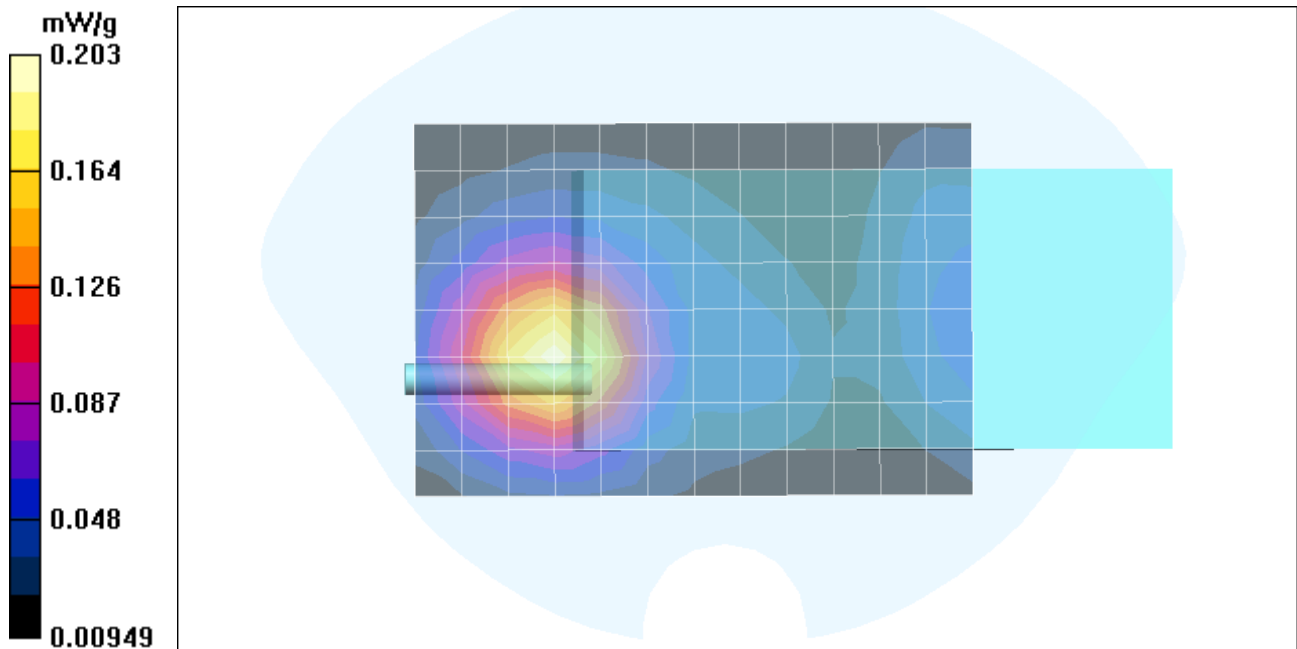
Communication System: PCS CDMA; Frequency: 1880 MHz; Duty Cycle: 1:1  
 Medium parameters used:  $f = 1880$  MHz;  $\sigma = 1.38$  mho/m;  $\epsilon_r = 40.1$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
 Phantom section: Flat Section

DASY4 Configuration:

- Probe: ES3DV2 - SN3021; ConvF(5.1, 5.1, 5.1); Calibrated: 7/29/2003
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn500; Calibrated: 12/23/2003
- Phantom: SAM 1; Type: SAM 1; Serial: 1185
- Measurement SW: DASY4, V4.2 Build 44; Postprocessing SW: SEMCAD, V1.8 Build 112

**M-ch/Area Scan (9x13x1):** Measurement grid: dx=15mm, dy=15mm  
 Reference Value = 5.6 V/m; Power Drift = 0.0 dB  
 Maximum value of SAR (measured) = 0.200 mW/g

**M-ch/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm  
 Reference Value = 5.6 V/m; Power Drift = 0.0 dB  
 Maximum value of SAR (measured) = 0.203 mW/g  
 Peak SAR (extrapolated) = 0.286 W/kg  
**SAR(1 g) = 0.188 mW/g; SAR(10 g) = 0.119 mW/g**



Test Laboratory: Compliance Certification Services

File Name: [4-1\\_Body worn - Belt clip \(Antenna -204\).da4](#)

**DUT: Intermec Technologies Corporation; Type: 700C; Serial: 05400400870**

**Program Name: 4-1\_Body worn - Belt clip (Antenna -204)**

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

Communication System: PCS CDMA; Frequency: 1851.25 MHz; Duty Cycle: 1:1

Medium parameters used (interpolated):  $f = 1851.25$  MHz;  $\sigma = 1.47$  mho/m;  $\epsilon_r = 54.1$ ;  $\rho = 1000$  kg/m<sup>3</sup>

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 (9x13x1):** Measurement grid: dx=15mm, dy=15mm

Reference Value = 3.96 V/m; Power Drift = -0.1 dB

Maximum value of SAR (measured) = 0.425 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

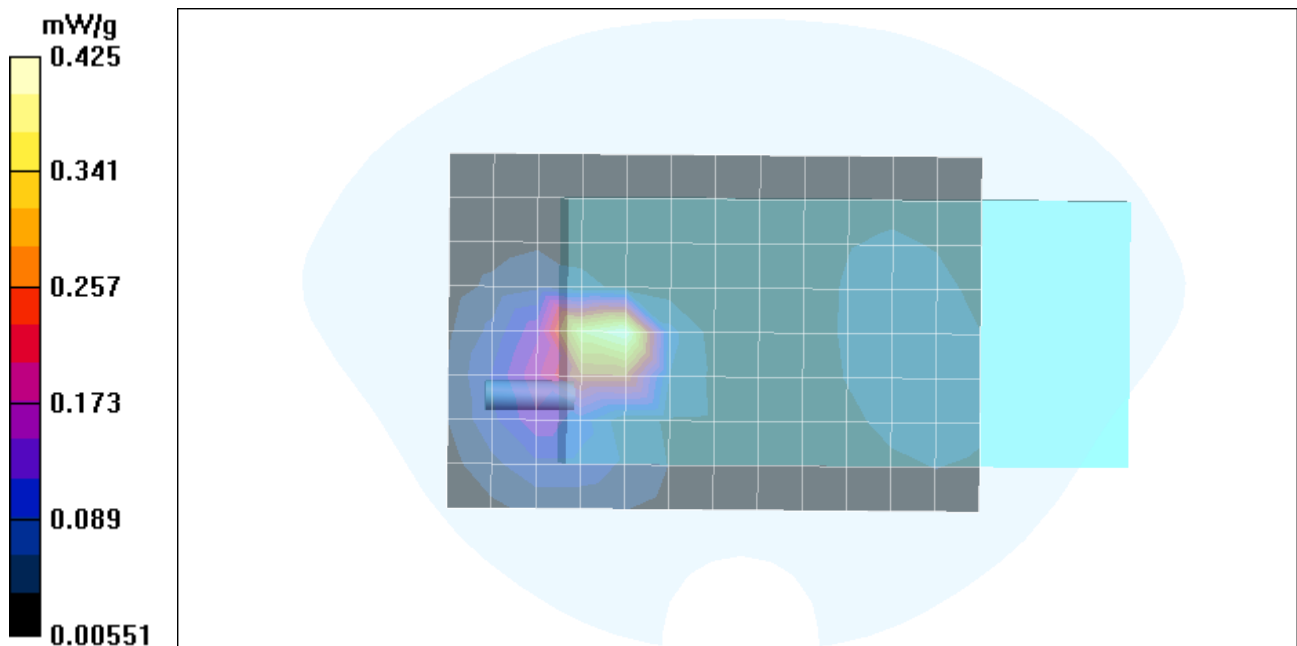
Reference Value = 3.96 V/m; Power Drift = -0.1 dB

Maximum value of SAR (measured) = 0.628 mW/g

Peak SAR (extrapolated) = 0.898 W/kg

**SAR(1 g) = 0.542 mW/g; SAR(10 g) = 0.270 mW/g**

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





Test Laboratory: Compliance Certification Services

File Name: [4-1\\_Body worn - Belt clip \(Antenna -204\).da4](#)

**DUT: Intermec Technologies Corporation; Type: EM3420; Serial: N/A**

**Program Name: 4-1\_Body worn - Belt clip (Antenna -204)**

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

Communication System: PCS CDMA; Frequency: 1880 MHz; Duty Cycle: 1:1

Medium parameters used:  $f = 1880$  MHz;  $\sigma = 1.49$  mho/m;  $\epsilon_r = 54.1$ ;  $\rho = 1000$  kg/m<sup>3</sup>

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 (9x13x1):** Measurement grid: dx=15mm, dy=15mm

Reference Value = 4.06 V/m; Power Drift = 0.2 dB

Maximum value of SAR (measured) = 0.463 mW/g

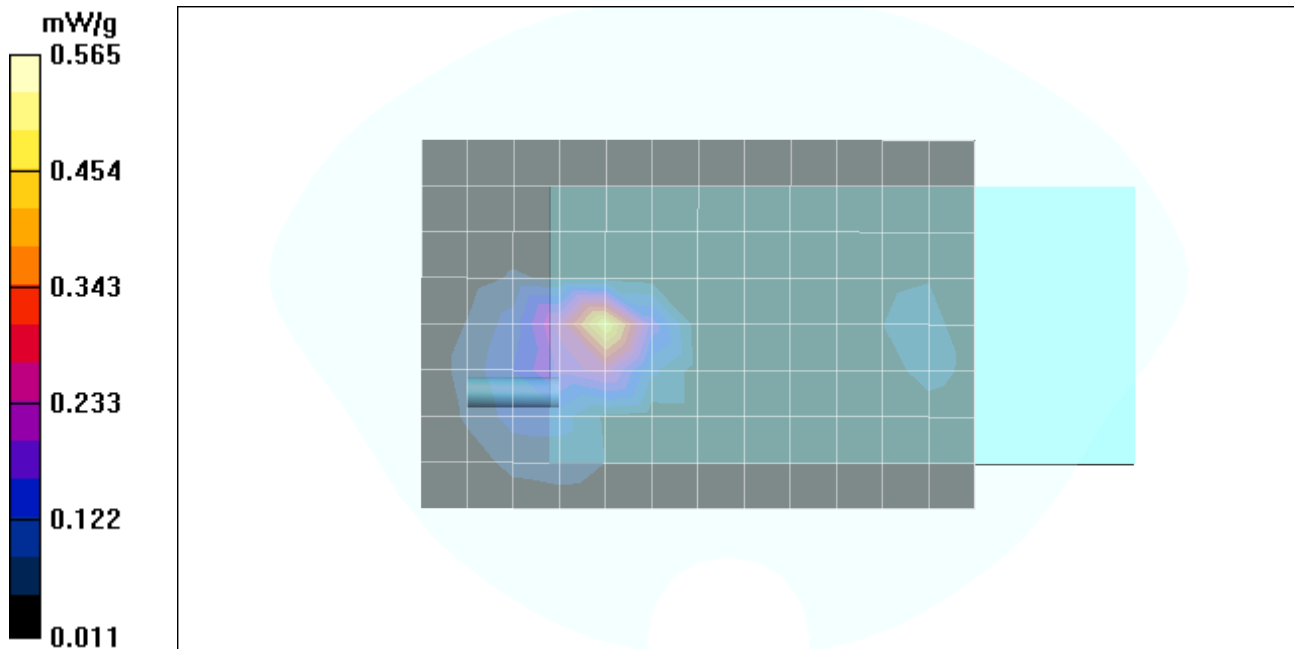
**M-ch/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm

Reference Value = 4.06 V/m; Power Drift = 0.2 dB

Maximum value of SAR (measured) = 0.565 mW/g

Peak SAR (extrapolated) = 0.777 W/kg

**SAR(1 g) = 0.489 mW/g; SAR(10 g) = 0.248 mW/g**



Test Laboratory: Compliance Certification Services

File Name: [4-1\\_Body worn - Belt clip \(Antenna -204\).da4](#)

**DUT: Intermec Technologies Corporation; Type: EM3420; Serial: N/A**

**Program Name: 4-1\_Body worn - Belt clip (Antenna -204)**

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

Communication System: PCS CDMA; Frequency: 1908.75 MHz; Duty Cycle: 1:1

Medium parameters used (interpolated):  $f = 1908.75$  MHz;  $\sigma = 1.52$  mho/m;  $\epsilon_r = 53.9$ ;  $\rho = 1000$  kg/m<sup>3</sup>

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 (9x13x1):** Measurement grid: dx=15mm, dy=15mm

Reference Value = 4.02 V/m; Power Drift = 0.13 dB

Maximum value of SAR (measured) = 0.422 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

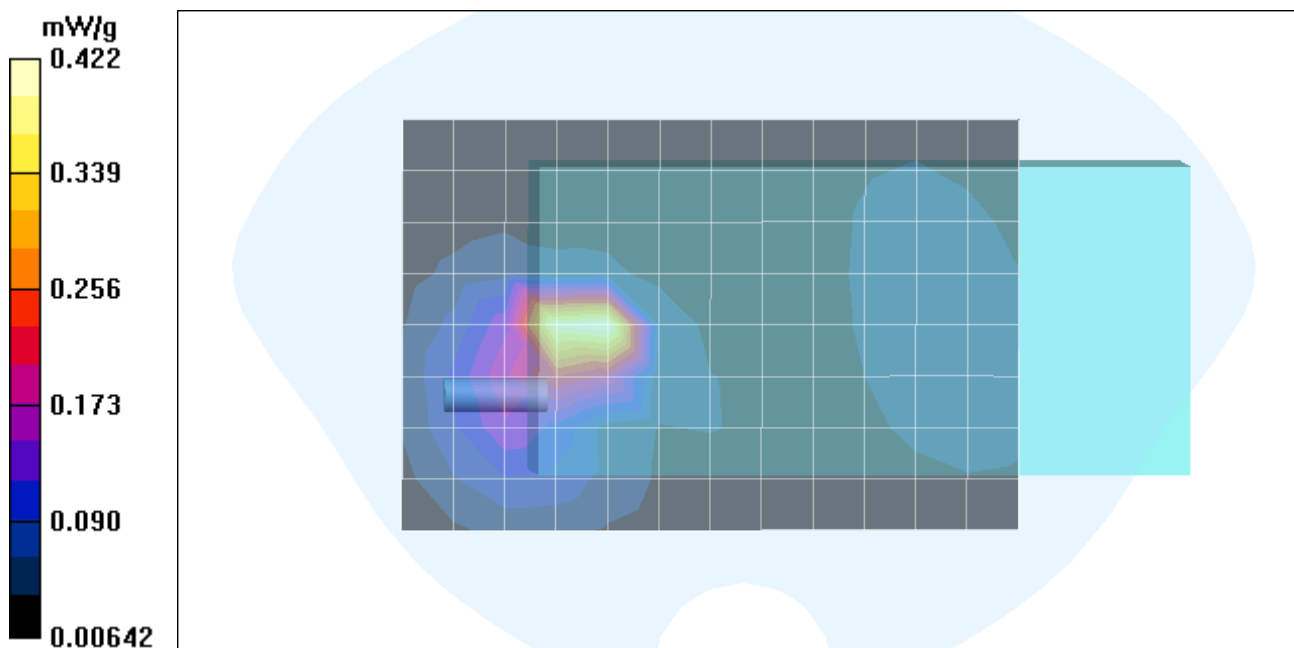
Reference Value = 4.02 V/m; Power Drift = 0.13 dB

Maximum value of SAR (measured) = 0.595 mW/g

Peak SAR (extrapolated) = 0.862 W/kg

**SAR(1 g) = 0.523 mW/g; SAR(10 g) = 0.258 mW/g**

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



Test Laboratory: Compliance Certification Services

File Name: [4-1\\_Body worn - Belt clip \(Antenna -204\).da4](#)

**DUT: Intermec Technologies Corporation; Type: EM3420; Serial: N/A**

**Program Name: 4-1\_Body worn - Belt clip (Antenna -204)**

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

Communication System: PCS CDMA; Frequency: 1851.25 MHz; Duty Cycle: 1:1

Medium parameters used (interpolated):  $f = 1851.25$  MHz;  $\sigma = 1.47$  mho/m;  $\epsilon_r = 54.1$ ;  $\rho = 1000$  kg/m<sup>3</sup>

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

**C-location L-ch/Area Scan (9x13x1):** Measurement grid: dx=15mm, dy=15mm

Reference Value = 3.97 V/m; Power Drift = -0.2 dB

Maximum value of SAR (measured) = 0.478 mW/g

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

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

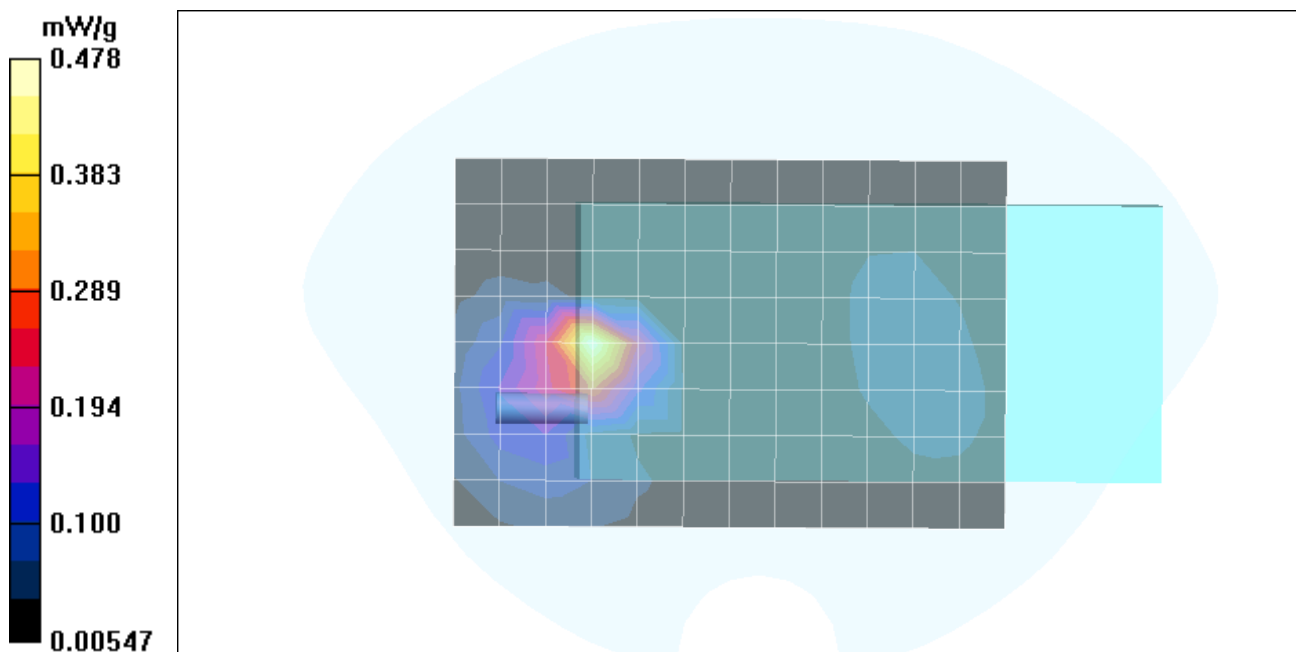
Reference Value = 3.97 V/m; Power Drift = -0.2 dB

Maximum value of SAR (measured) = 0.619 mW/g

Peak SAR (extrapolated) = 0.890 W/kg

**SAR(1 g) = 0.539 mW/g; SAR(10 g) = 0.266 mW/g**

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



Test Laboratory: Compliance Certification Services

File Name: [4-1\\_Body worn - Belt clip \(Antenna -204\).da4](#)

**DUT: Intermec Technologies Corporation; Type: EM3420; Serial: N/A**

**Program Name: 4-1\_Body worn - Belt clip (Antenna -204)**

Communication System: PCS CDMA; Frequency: 1851.25 MHz; Duty Cycle: 1:1

Medium parameters used (interpolated):  $f = 1851.25$  MHz;  $\sigma = 1.47$  mho/m;  $\epsilon_r = 54.1$ ;  $\rho = 1000$  kg/m<sup>3</sup>

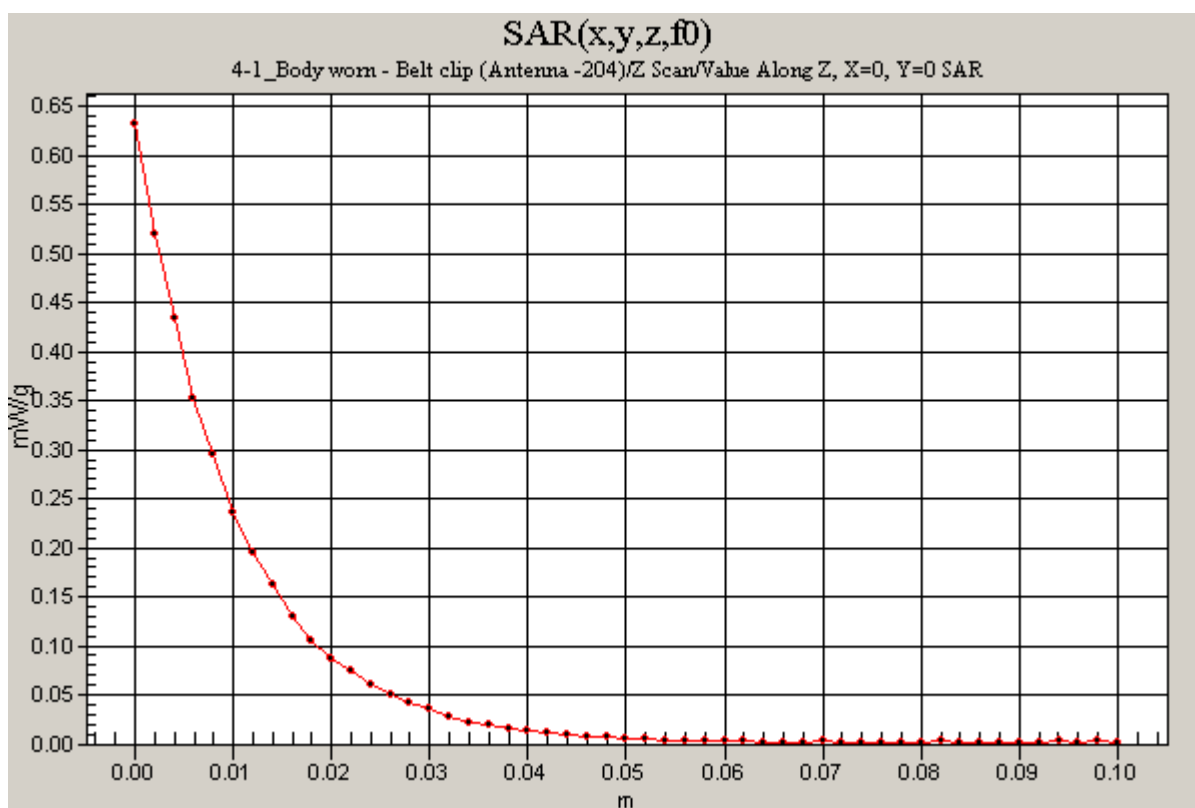
Phantom section: Flat Section

**C-location L-ch/Z Scan (1x1x51):** Measurement grid: dx=20mm, dy=20mm, dz=2mm

Reference Value = 3.97 V/m; Power Drift = -0.2 dB

Maximum value of SAR (measured) = 0.632 mW/g

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



Test Laboratory: Compliance Certification Services

File Name: [4-2\\_Body worn - Belt clip \(Antenna -102\).da4](#)

**DUT: Intermec Technologies Corporation; Type: EM3420; Serial: N/A**

**Program Name: 4-2\_Body worn - Belt clip (Antenna -102)**

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

Communication System: PCS CDMA; Frequency: 1880 MHz; Duty Cycle: 1:1

Medium parameters used:  $f = 1880$  MHz;  $\sigma = 1.49$  mho/m;  $\epsilon_r = 54.1$ ;  $\rho = 1000$  kg/m<sup>3</sup>

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 (9x13x1):** Measurement grid: dx=15mm, dy=15mm

Reference Value = 3.79 V/m; Power Drift = -0.1 dB

Maximum value of SAR (measured) = 0.294 mW/g

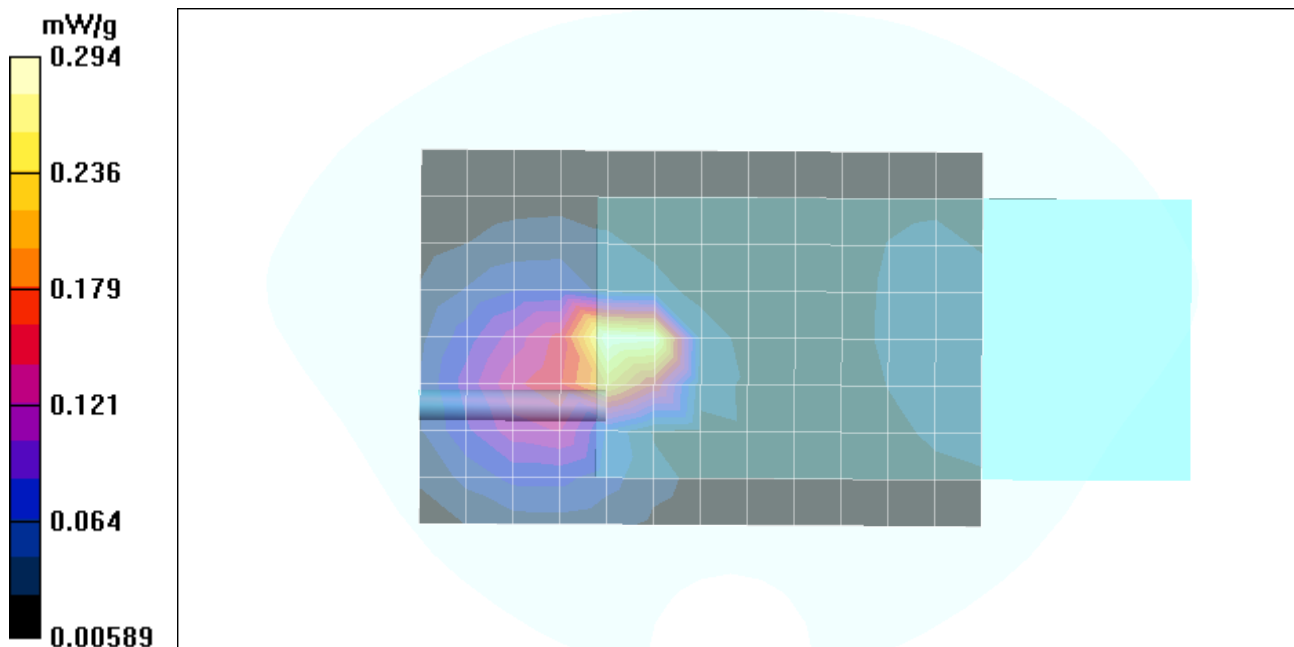
**M-ch/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm

Reference Value = 3.79 V/m; Power Drift = -0.1 dB

Maximum value of SAR (measured) = 0.438 mW/g

Peak SAR (extrapolated) = 0.628 W/kg

**SAR(1 g) = 0.391 mW/g; SAR(10 g) = 0.199 mW/g**



Test Laboratory: Compliance Certification Services

File Name: [5-1\\_Holster \(Antenna -204\).da4](#)

**DUT: Intermec Technologies Corporation; Type: EM3420; Serial: N/A**

**Program Name: 5-1\_Body worn - Holster (Antenna -204)**

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

Communication System: PCS CDMA; Frequency: 1880 MHz; Duty Cycle: 1:1

Medium parameters used:  $f = 1880$  MHz;  $\sigma = 1.49$  mho/m;  $\epsilon_r = 54.1$ ;  $\rho = 1000$  kg/m<sup>3</sup>

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 (9x13x1):** Measurement grid: dx=15mm, dy=15mm

Reference Value = 6.9 V/m; Power Drift = 0.0 dB

Maximum value of SAR (measured) = 0.410 mW/g

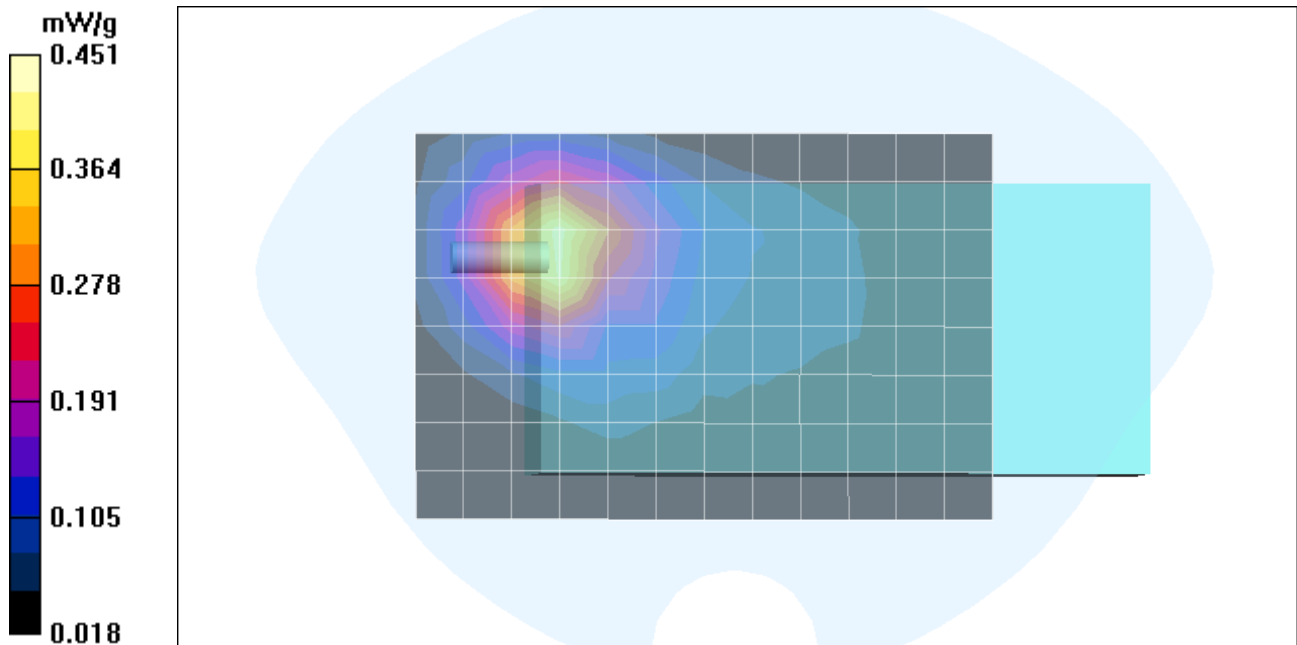
**M-ch/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm

Reference Value = 6.9 V/m; Power Drift = 0.0 dB

Maximum value of SAR (measured) = 0.451 mW/g

Peak SAR (extrapolated) = 0.632 W/kg

**SAR(1 g) = 0.413 mW/g; SAR(10 g) = 0.254 mW/g**



Test Laboratory: Compliance Certification Services  
 File Name: [5-2\\_Holster \(Antenna -102\).da4](#)

**DUT: Intermec Technologies Corporation; Type: EM3420; Serial: N/A**  
**Program Name: 5-2\_Body worn - Holster (Antenna -104)**  
**Ambient Temp.: 24.0 deg. C; Liquid Temp.: 23.0 deg. C**

Communication System: PCS CDMA; Frequency: 1880 MHz; Duty Cycle: 1:1  
 Medium parameters used:  $f = 1880$  MHz;  $\sigma = 1.49$  mho/m;  $\epsilon_r = 54.1$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
 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 (9x13x1):** Measurement grid: dx=15mm, dy=15mm  
 Reference Value = 6.57 V/m; Power Drift = 0.1 dB  
 Maximum value of SAR (measured) = 0.413 mW/g

**M-ch/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm  
 Reference Value = 6.57 V/m; Power Drift = 0.1 dB  
 Maximum value of SAR (measured) = 0.428 mW/g  
 Peak SAR (extrapolated) = 0.589 W/kg  
**SAR(1 g) = 0.398 mW/g; SAR(10 g) = 0.253 mW/g**

