

Test Laboratory: Compliance Certification Services

## Right Hand Side (With keypad open)

DUT: High Tech Computer Corp; Type: WIZA100; Serial: HT521EB00020

Communication System: DCS 1900; Frequency: 1880 MHz; Duty Cycle: 1:8  
Medium parameters used:  $f = 1880$  MHz;  $\sigma = 1.42$  mho/m;  $\epsilon_r = 41$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Phantom section: Right Section

Room Ambient Temperature: 24 deg. C; Liquid Temperature: 23 deg. C

DASY4 Configuration:

- Area Scan setting - Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.0012W/kg
- Probe: EX3DV4 - SN3552 ; ConvF(7.95, 7.95, 7.95); Calibrated: 3/19/2005
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn500; Calibrated: 2/7/2005
- Phantom: SAM 2; Type: SAM 2; Serial: 1050
- Measurement SW: DASY4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 146

**Tilt - M-ch/Area Scan (9x11x1):** Measurement grid: dx=15mm, dy=15mm  
Maximum value of SAR (measured) = 0.031 mW/g

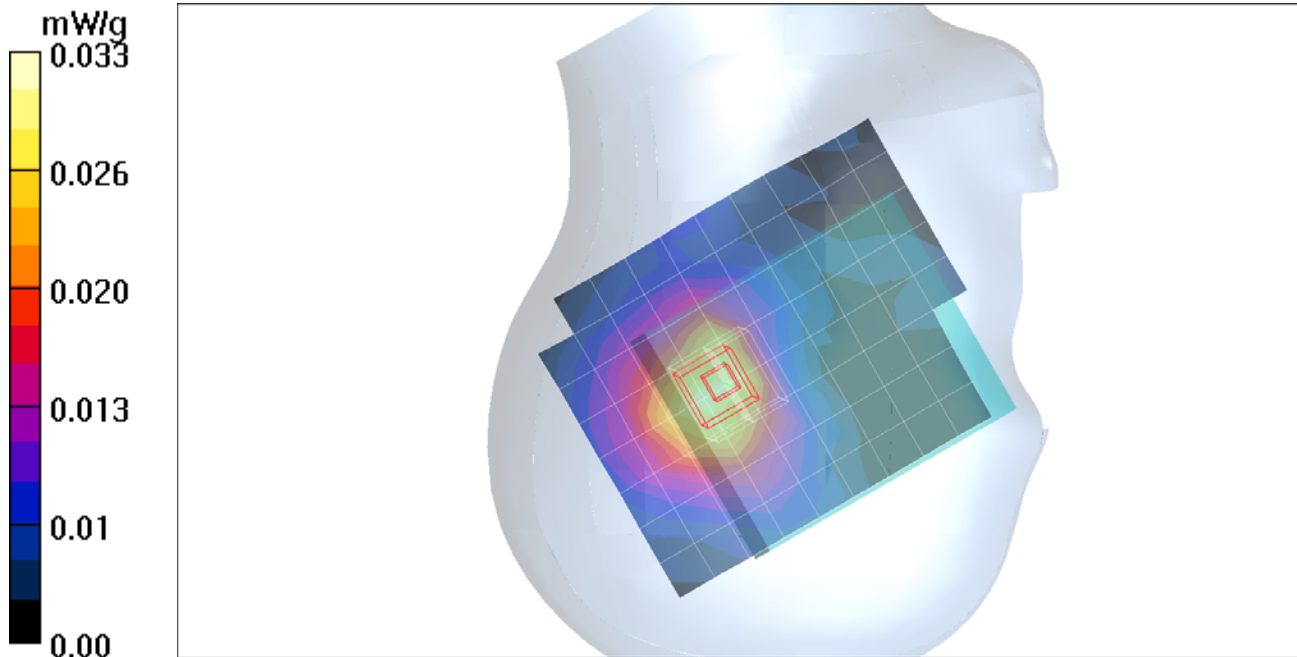
**Tilt - M-ch/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm

Reference Value = 4.60 V/m; Power Drift = -0.161 dB

Peak SAR (extrapolated) = 0.042 W/kg

**SAR(1 g) = 0.026 mW/g; SAR(10 g) = 0.016 mW/g**

Maximum value of SAR (measured) = 0.033 mW/g



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## Body worn 1

DUT: High Tech Computer Corp; Type: WIZA100; Serial: HT521EB00020

Communication System: DCS 1900; Frequency: 1880 MHz; Duty Cycle: 1:8  
Medium parameters used:  $f = 1880$  MHz;  $\sigma = 1.53$  mho/m;  $\epsilon_r = 53.8$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Phantom section: Flat Section

Room Ambient Temperature: 24 deg. C; Liquid Temperature: 23 deg. C

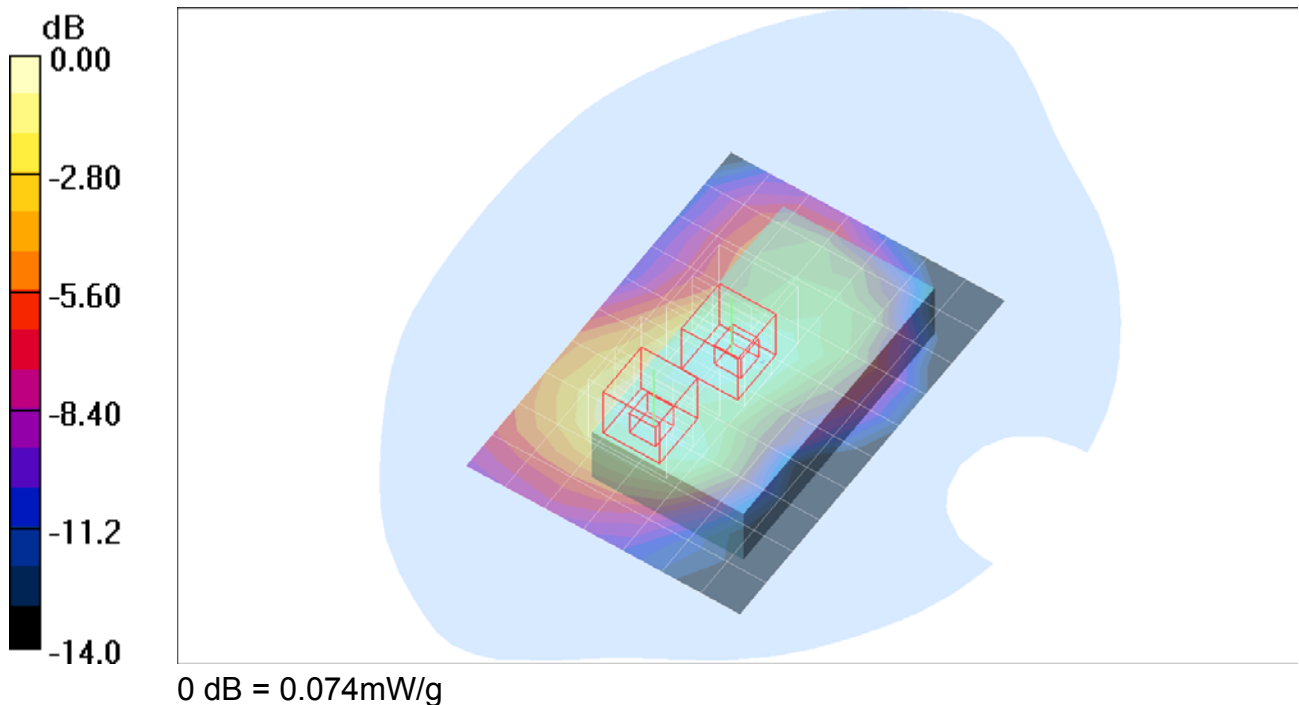
DASY4 Configuration:

- Area Scan setting - Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.0012W/kg
- Probe: EX3DV4 - SN3552 ; ConvF(7.82, 7.82, 7.82); Calibrated: 3/19/2005
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn500; Calibrated: 2/7/2005
- Phantom: SAM 1; Type: SAM 1; Serial: 1185
- Measurement SW: DASY4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 146

**GSM only\_M-ch/Area Scan (8x11x1):** Measurement grid: dx=15mm, dy=15mm  
Maximum value of SAR (measured) = 0.074 mW/g

**GSM only\_M-ch/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm  
Reference Value = 7.14 V/m; Power Drift = -0.102 dB  
Peak SAR (extrapolated) = 0.100 W/kg  
**SAR(1 g) = 0.067 mW/g; SAR(10 g) = 0.041 mW/g**  
Maximum value of SAR (measured) = 0.081 mW/g

**GSM only\_M-ch/Zoom Scan (5x5x7)/Cube 1:** Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm  
Reference Value = 7.14 V/m; Power Drift = -0.102 dB  
Peak SAR (extrapolated) = 0.089 W/kg  
**SAR(1 g) = 0.061 mW/g; SAR(10 g) = 0.039 mW/g**



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## Body worn 1

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Communication System: DCS 1900; Frequency: 1880 MHz; Duty Cycle: 1:4  
Medium parameters used:  $f = 1880$  MHz;  $\sigma = 1.53$  mho/m;  $\epsilon_r = 53.8$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

Room Ambient Temperature: 24 deg. C; Liquid Temperature: 23 deg. C

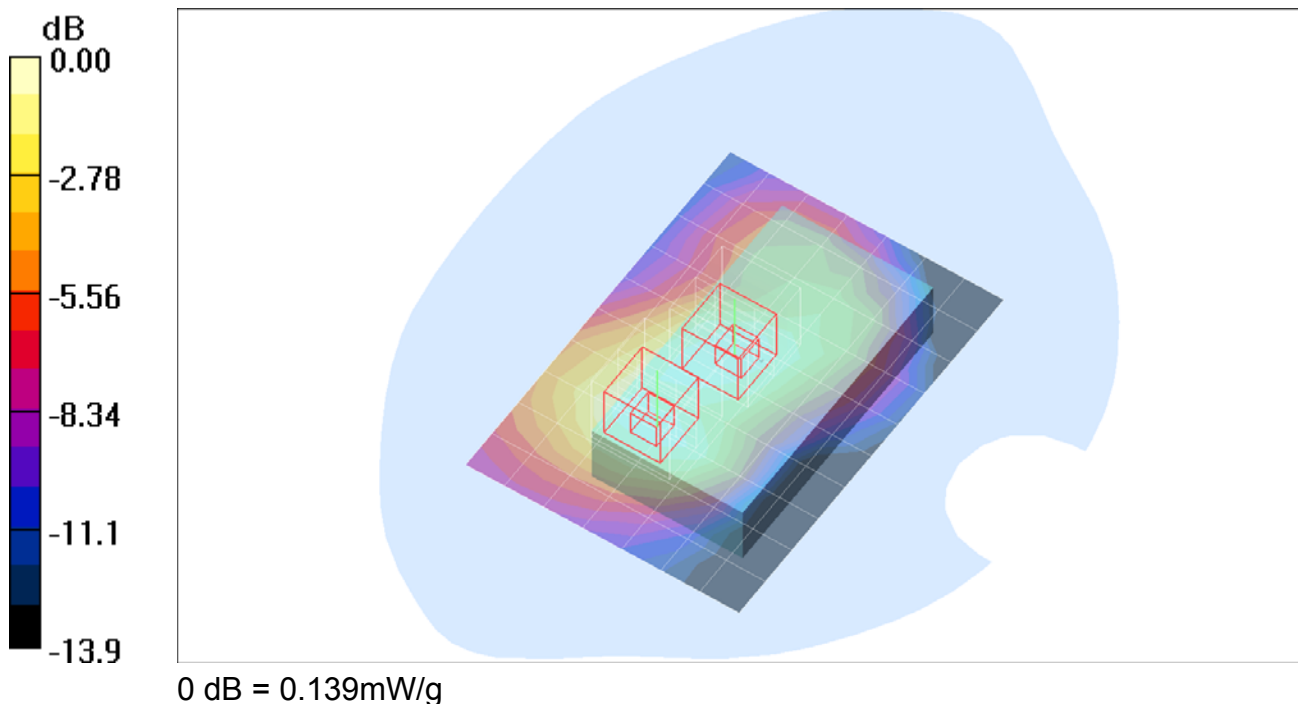
DASY4 Configuration:

- Area Scan setting - Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.0012W/kg
- Probe: EX3DV4 - SN3552 ; ConvF(7.82, 7.82, 7.82); Calibrated: 3/19/2005
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn500; Calibrated: 2/7/2005
- Phantom: SAM 1; Type: SAM 1; Serial: 1185
- Measurement SW: DASY4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 146

**GSM+GPRS\_M-ch/Area Scan (8x11x1):** Measurement grid: dx=15mm, dy=15mm  
Maximum value of SAR (measured) = 0.140 mW/g

**GSM+GPRS\_M-ch/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm  
Reference Value = 9.92 V/m; Power Drift = -0.047 dB  
Peak SAR (extrapolated) = 0.185 W/kg  
**SAR(1 g) = 0.127 mW/g; SAR(10 g) = 0.077 mW/g**  
Maximum value of SAR (measured) = 0.155 mW/g

**GSM+GPRS\_M-ch/Zoom Scan (5x5x7)/Cube 1:** Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm  
Reference Value = 9.92 V/m; Power Drift = -0.047 dB  
Peak SAR (extrapolated) = 0.168 W/kg  
**SAR(1 g) = 0.114 mW/g; SAR(10 g) = 0.072 mW/g**  
Maximum value of SAR (measured) = 0.139 mW/g



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## Body worn 1

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Communication System: DCS 1900; Frequency: 1880 MHz; Duty Cycle: 1:4  
Medium parameters used:  $f = 1880$  MHz;  $\sigma = 1.53$  mho/m;  $\epsilon_r = 53.8$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Phantom section: Flat Section

Room Ambient Temperature: 24 deg. C; Liquid Temperature: 23 deg. C

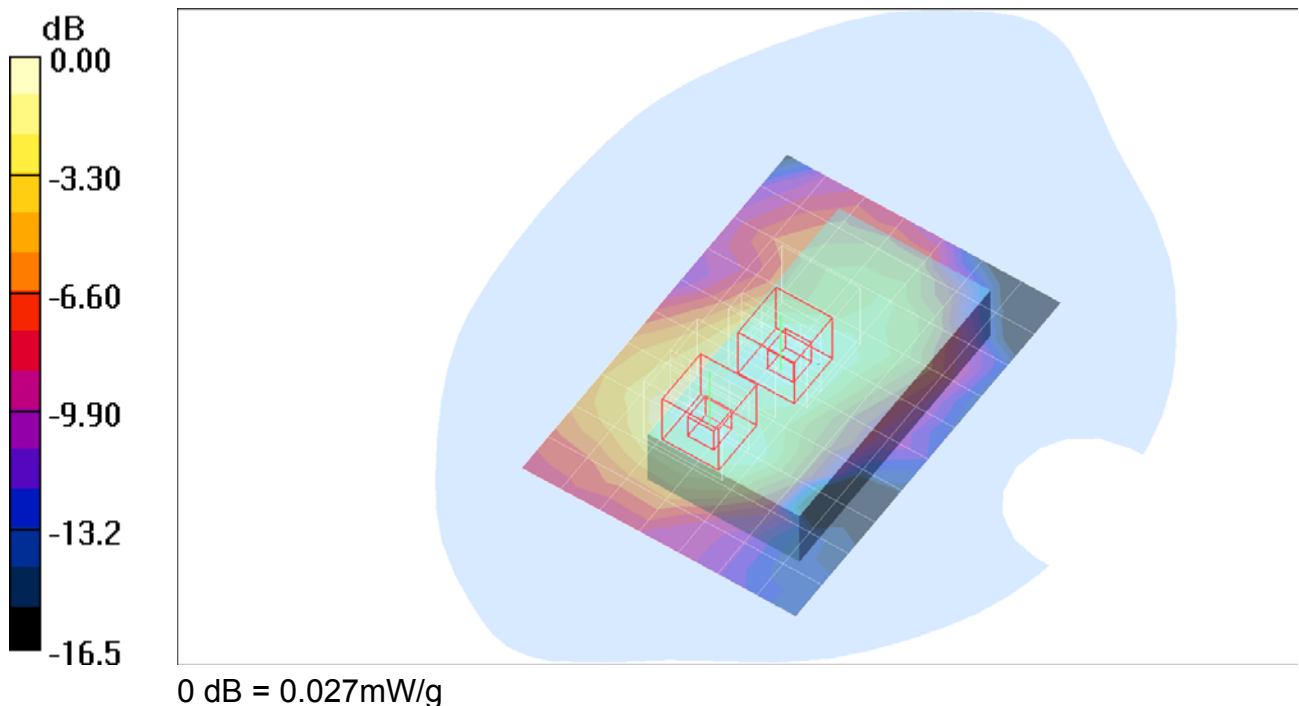
DASY4 Configuration:

- Area Scan setting - Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.0012W/kg
- Probe: EX3DV4 - SN3552 ; ConvF(7.82, 7.82, 7.82); Calibrated: 3/19/2005
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn500; Calibrated: 2/7/2005
- Phantom: SAM 1; Type: SAM 1; Serial: 1185
- Measurement SW: DASY4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 146

**GSM+EGPRS\_M-ch/Area Scan (8x11x1):** Measurement grid: dx=15mm, dy=15mm  
Maximum value of SAR (measured) = 0.026 mW/g

**GSM+EGPRS\_M-ch/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm  
Reference Value = 4.27 V/m; Power Drift = -0.190 dB  
Peak SAR (extrapolated) = 0.035 W/kg  
**SAR(1 g) = 0.024 mW/g; SAR(10 g) = 0.014 mW/g**  
Maximum value of SAR (measured) = 0.028 mW/g

**GSM+EGPRS\_M-ch/Zoom Scan (5x5x7)/Cube 1:** Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm  
Reference Value = 4.27 V/m; Power Drift = -0.190 dB  
Peak SAR (extrapolated) = 0.032 W/kg  
**SAR(1 g) = 0.022 mW/g; SAR(10 g) = 0.014 mW/g**  
Maximum value of SAR (measured) = 0.027 mW/g



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## Body worn 2

DUT: High Tech Computer Corp; Type: WIZA100; Serial: HT521EB00020

Communication System: DCS 1900; Frequency: 1880 MHz; Duty Cycle: 1:8  
Medium parameters used:  $f = 1880$  MHz;  $\sigma = 1.53$  mho/m;  $\epsilon_r = 53.8$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Phantom section: Flat Section

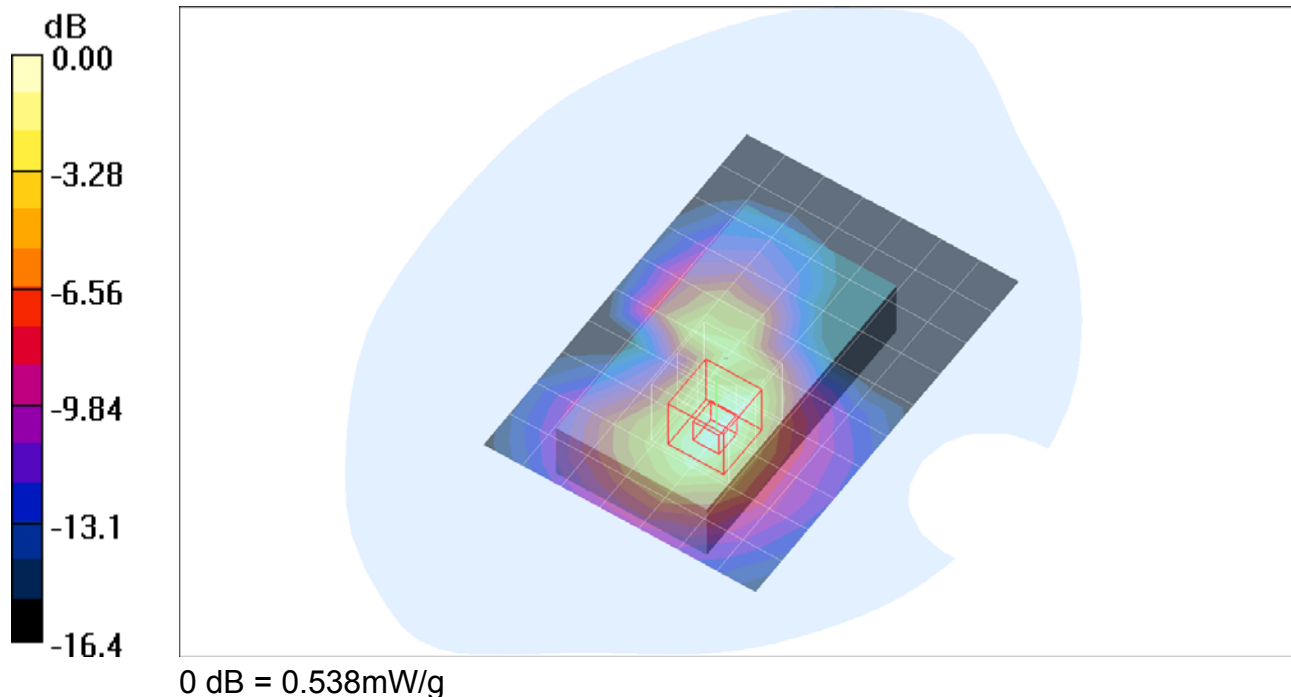
Room Ambient Temperature: 24 deg. C; Liquid Temperature: 23 deg. C

DASY4 Configuration:

- Area Scan setting - Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.0012W/kg
- Probe: EX3DV4 - SN3552 ; ConvF(7.82, 7.82, 7.82); Calibrated: 3/19/2005
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn500; Calibrated: 2/7/2005
- Phantom: SAM 1; Type: SAM 1; Serial: 1185
- Measurement SW: DASY4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 146

**GSM only\_M-ch/Area Scan (8x11x1):** Measurement grid: dx=15mm, dy=15mm  
Maximum value of SAR (measured) = 0.529 mW/g

**GSM only\_M-ch/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm  
Reference Value = 15.3 V/m; Power Drift = -0.044 dB  
Peak SAR (extrapolated) = 0.658 W/kg  
**SAR(1 g) = 0.423 mW/g; SAR(10 g) = 0.239 mW/g**  
Maximum value of SAR (measured) = 0.538 mW/g



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## Body worn 2

DUT: High Tech Computer Corp; Type: WIZA100; Serial: HT521EB00020

Communication System: DCS 1900; Frequency: 1850.2 MHz; Duty Cycle: 1:4

Medium parameters used (interpolated):  $f = 1850.2$  MHz;  $\sigma = 1.5$  mho/m;  $\epsilon_r = 53.9$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

Room Ambient Temperature: 24 deg. C; Liquid Temperature: 23 deg. C

DASY4 Configuration:

- Area Scan setting - Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.0012W/kg
- Probe: EX3DV4 - SN3552 ; ConvF(7.82, 7.82, 7.82); Calibrated: 3/19/2005
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn500; Calibrated: 2/7/2005
- Phantom: SAM 1; Type: SAM 1; Serial: 1185
- Measurement SW: DASY4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 146

**GSM+GPRS\_L-ch/Area Scan (8x11x1):** Measurement grid: dx=15mm, dy=15mm

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

Maximum value of SAR (measured) = 0.950 mW/g

**GSM+GPRS\_L-ch/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm

Reference Value = 21.6 V/m; Power Drift = -0.025 dB

Peak SAR (extrapolated) = 1.16 W/kg

**SAR(1 g) = 0.762 mW/g; SAR(10 g) = 0.436 mW/g**

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

Maximum value of SAR (measured) = 0.962 mW/g

**GSM+GPRS\_L-ch/Zoom Scan (5x5x7)/Cube 1:** Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm

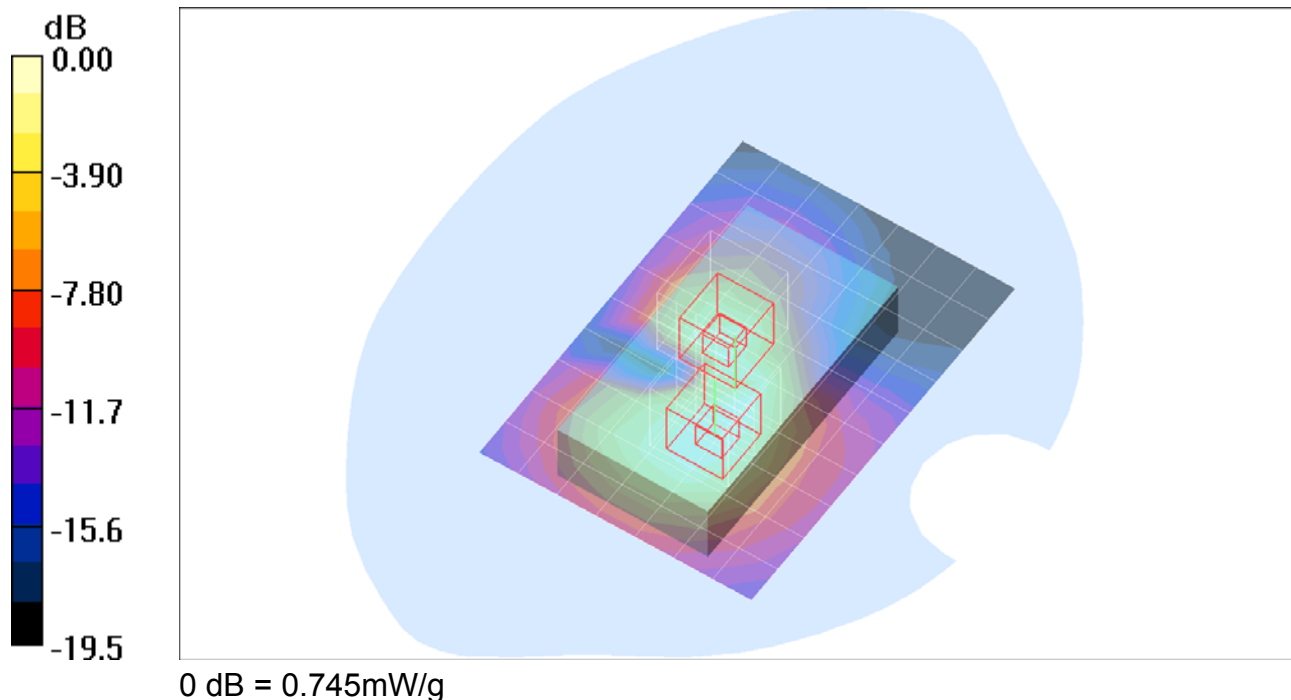
Reference Value = 21.6 V/m; Power Drift = -0.025 dB

Peak SAR (extrapolated) = 0.964 W/kg

**SAR(1 g) = 0.552 mW/g; SAR(10 g) = 0.323 mW/g**

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

Maximum value of SAR (measured) = 0.745 mW/g



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## Body worn 2

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Communication System: DCS 1900; Frequency: 1880 MHz; Duty Cycle: 1:4  
Medium parameters used:  $f = 1880$  MHz;  $\sigma = 1.53$  mho/m;  $\epsilon_r = 53.8$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Phantom section: Flat Section

Room Ambient Temperature: 24 deg. C; Liquid Temperature: 23 deg. C

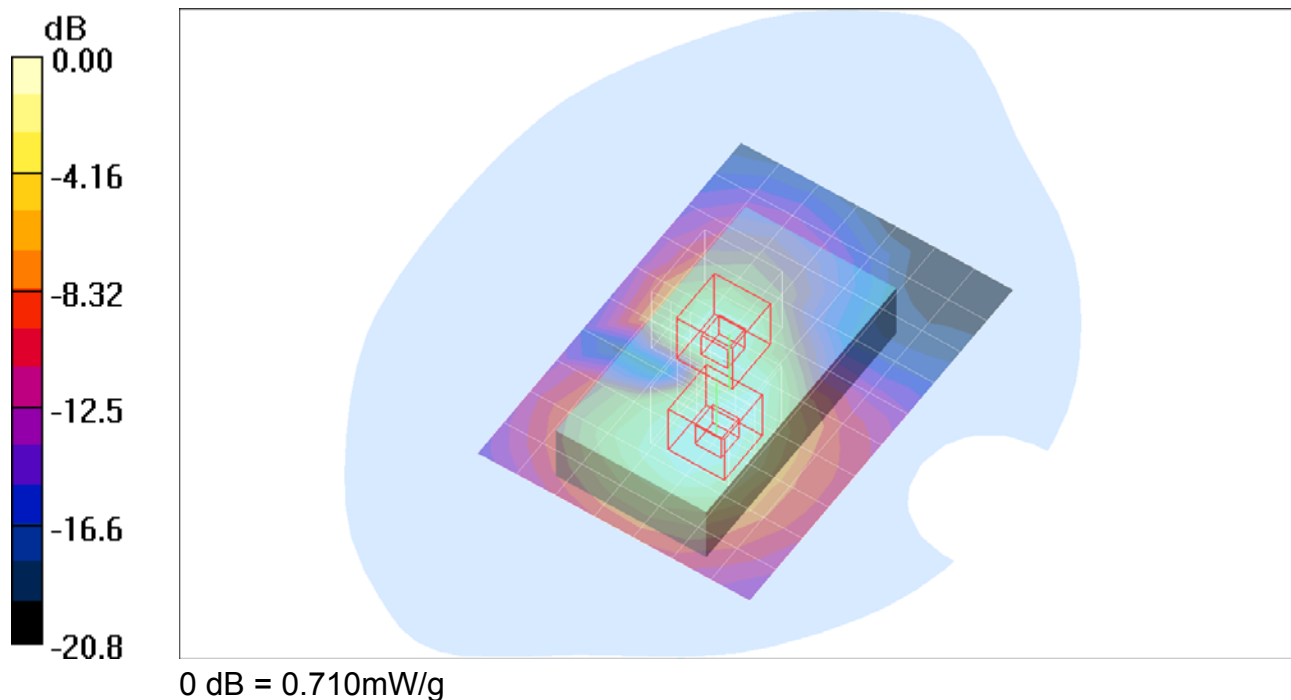
DASY4 Configuration:

- Area Scan setting - Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.0012W/kg
- Probe: EX3DV4 - SN3552 ; ConvF(7.82, 7.82, 7.82); Calibrated: 3/19/2005
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn500; Calibrated: 2/7/2005
- Phantom: SAM 1; Type: SAM 1; Serial: 1185
- Measurement SW: DASY4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 146

**GSM+GPRS\_M-ch/Area Scan (8x11x1):** Measurement grid: dx=15mm, dy=15mm  
Maximum value of SAR (measured) = 0.967 mW/g

**GSM+GPRS\_M-ch/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm  
Reference Value = 22.1 V/m; Power Drift = -0.082 dB  
Peak SAR (extrapolated) = 1.17 W/kg  
**SAR(1 g) = 0.766 mW/g; SAR(10 g) = 0.435 mW/g**  
Maximum value of SAR (measured) = 0.959 mW/g

**GSM+GPRS\_M-ch/Zoom Scan (5x5x7)/Cube 1:** Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm  
Reference Value = 22.1 V/m; Power Drift = -0.082 dB  
Peak SAR (extrapolated) = 0.901 W/kg  
**SAR(1 g) = 0.576 mW/g; SAR(10 g) = 0.333 mW/g**  
Maximum value of SAR (measured) = 0.710 mW/g



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## Body worn 2

DUT: High Tech Computer Corp; Type: WIZA100; Serial: HT521EB00020

Communication System: DCS 1900; Frequency: 1909.8 MHz; Duty Cycle: 1:4  
Medium parameters used (interpolated):  $f = 1909.8$  MHz;  $\sigma = 1.56$  mho/m;  $\epsilon_r = 53.7$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Phantom section: Flat Section

Room Ambient Temperature: 24 deg. C; Liquid Temperature: 23 deg. C

DASY4 Configuration:

- Area Scan setting - Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.0012W/kg
- Probe: EX3DV4 - SN3552 ; ConvF(7.82, 7.82, 7.82); Calibrated: 3/19/2005
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn500; Calibrated: 2/7/2005
- Phantom: SAM 1; Type: SAM 1; Serial: 1185
- Measurement SW: DASY4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 146

**GSM+GPRS\_H-ch/Area Scan (8x11x1):** Measurement grid: dx=15mm, dy=15mm

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

Maximum value of SAR (measured) = 0.979 mW/g

**GSM+GPRS\_H-ch/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm

Reference Value = 21.4 V/m; Power Drift = -0.027 dB

Peak SAR (extrapolated) = 1.23 W/kg

**SAR(1 g) = 0.788 mW/g; SAR(10 g) = 0.448 mW/g**

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

Maximum value of SAR (measured) = 0.996 mW/g

**GSM+GPRS\_H-ch/Zoom Scan (5x5x7)/Cube 1:** Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm

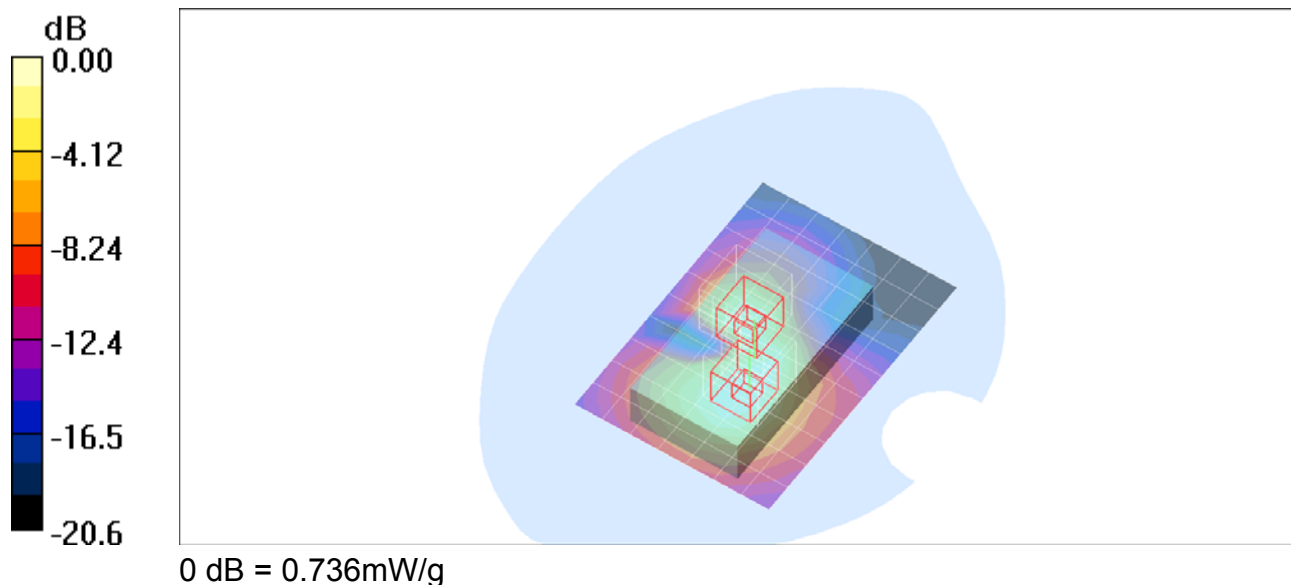
Reference Value = 21.4 V/m; Power Drift = -0.027 dB

Peak SAR (extrapolated) = 0.936 W/kg

**SAR(1 g) = 0.560 mW/g; SAR(10 g) = 0.322 mW/g**

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

Maximum value of SAR (measured) = 0.736 mW/g





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## Body worn 2

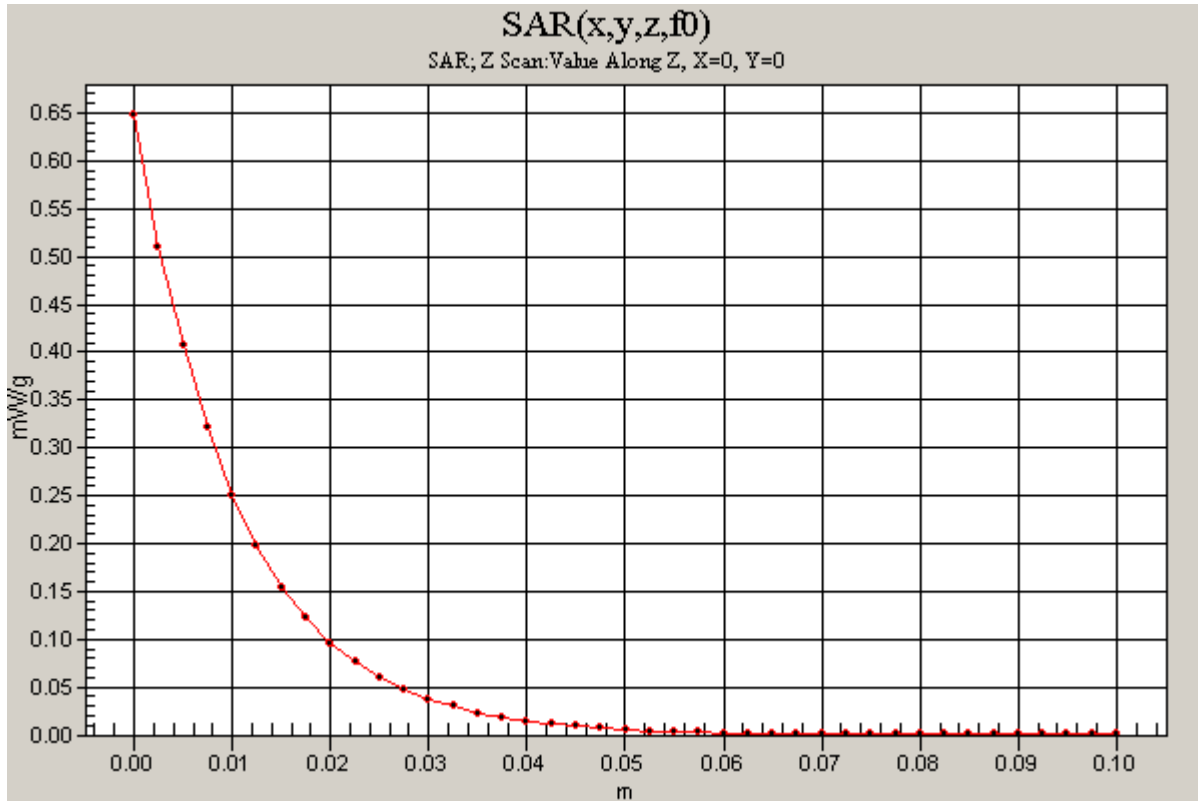
DUT: High Tech Computer Corp; Type: WIZA100; Serial: HT521EB00020

Communication System: DCS 1900; Frequency: 1909.8 MHz; Duty Cycle: 1:4

**GSM+GPRS\_H-ch/Z Scan (1x1x41):** Measurement grid: dx=20mm, dy=20mm, dz=2.5mm

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

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



Test Laboratory: Compliance Certification Services

## Body worn 2

DUT: High Tech Computer Corp; Type: WIZA100; Serial: HT521EB00020

Communication System: DCS 1900; Frequency: 1880 MHz; Duty Cycle: 1:4  
Medium parameters used:  $f = 1880$  MHz;  $\sigma = 1.53$  mho/m;  $\epsilon_r = 53.8$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Phantom section: Flat Section

Room Ambient Temperature: 24 deg. C; Liquid Temperature: 23 deg. C

DASY4 Configuration:

- Area Scan setting - Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.0012W/kg
- Probe: EX3DV4 - SN3552 ; ConvF(7.82, 7.82, 7.82); Calibrated: 3/19/2005
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn500; Calibrated: 2/7/2005
- Phantom: SAM 1; Type: SAM 1; Serial: 1185
- Measurement SW: DASY4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 146

**GSM+EGPRS\_M-ch/Area Scan (8x11x1):** Measurement grid: dx=15mm, dy=15mm  
Maximum value of SAR (measured) = 0.190 mW/g

**GSM+EGPRS\_M-ch/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm  
Reference Value = 9.47 V/m; Power Drift = -0.037 dB  
Peak SAR (extrapolated) = 0.244 W/kg  
**SAR(1 g) = 0.155 mW/g; SAR(10 g) = 0.087 mW/g**  
Maximum value of SAR (measured) = 0.198 mW/g

**GSM+EGPRS\_M-ch/Zoom Scan (5x5x7)/Cube 1:** Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm  
Reference Value = 9.47 V/m; Power Drift = -0.037 dB  
Peak SAR (extrapolated) = 0.202 W/kg  
**SAR(1 g) = 0.109 mW/g; SAR(10 g) = 0.063 mW/g**  
Maximum value of SAR (measured) = 0.152 mW/g

