

Test Laboratory: Compliance Certification Services

## 1\_Left Hand Side

DUT: Compal Electronics, Inc.; Type: VT820; Serial: B-Test1 145

Communication System: AMPS 835; Frequency: 836.49 MHz; Duty Cycle: 1:1

Medium parameters used (interpolated):  $f = 836.49$  MHz;  $\sigma = 0.907$  mho/m;  $\epsilon_r = 40.4$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Left Section

Room Ambient Temperature: 23 deg. C; Liquid Temperature: 22 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(9.75, 9.75, 9.75); 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

**Touch - M-ch/Area Scan (7x11x1):** Measurement grid: dx=15mm, dy=15mm

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

Maximum value of SAR (measured) = 0.701 mW/g

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

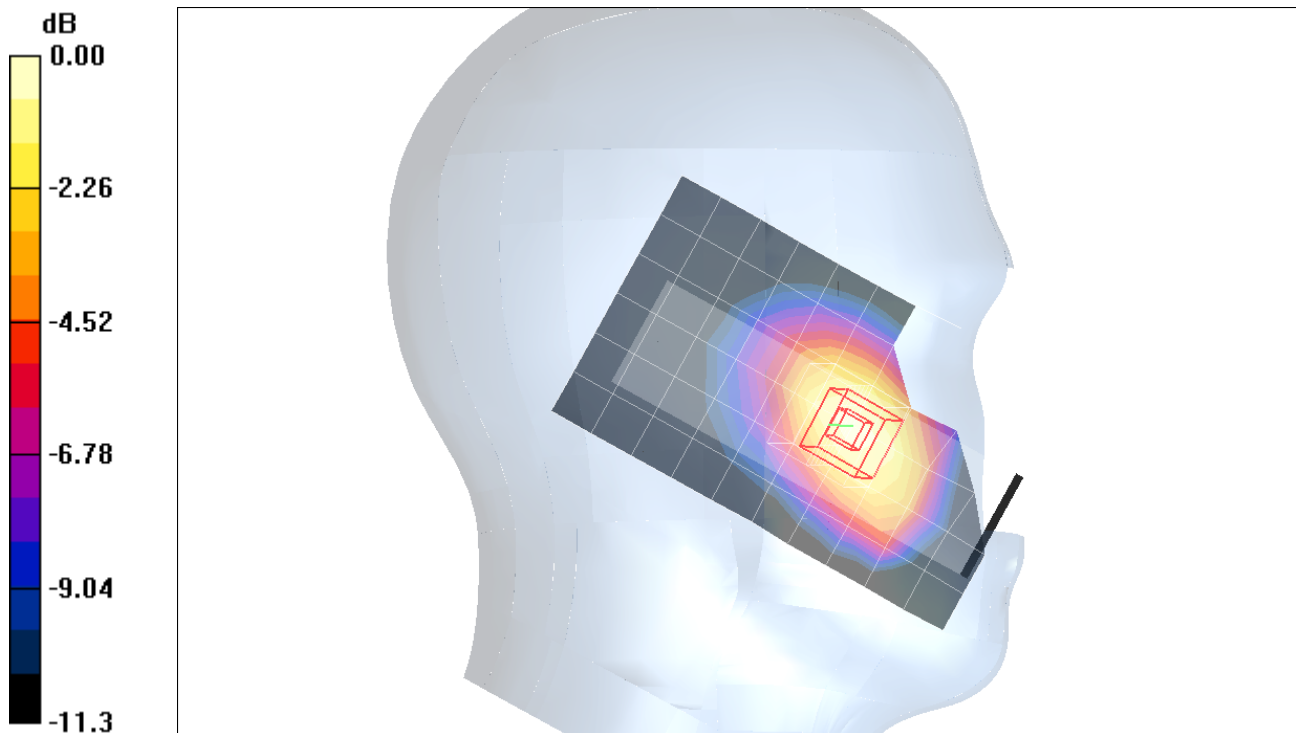
Reference Value = 5.64 V/m; Power Drift = -0.118 dB

Peak SAR (extrapolated) = 0.859 W/kg

**SAR(1 g) = 0.590 mW/g; SAR(10 g) = 0.390 mW/g**

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

Maximum value of SAR (measured) = 0.704 mW/g



0 dB = 0.704mW/g

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DUT: Compal Electronics, Inc.; Type: VT820; Serial: B-Test1 145

Communication System: AMPS 835; Frequency: 836.49 MHz; Duty Cycle: 1:1

Medium parameters used (interpolated):  $f = 836.49$  MHz;  $\sigma = 0.907$  mho/m;  $\epsilon_r = 40.4$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Left Section

Room Ambient Temperature: 23 deg. C; Liquid Temperature: 22 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(9.75, 9.75, 9.75); 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

**Tilt - M-ch/Area Scan (7x11x1):** Measurement grid: dx=15mm, dy=15mm

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

Maximum value of SAR (measured) = 0.184 mW/g

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

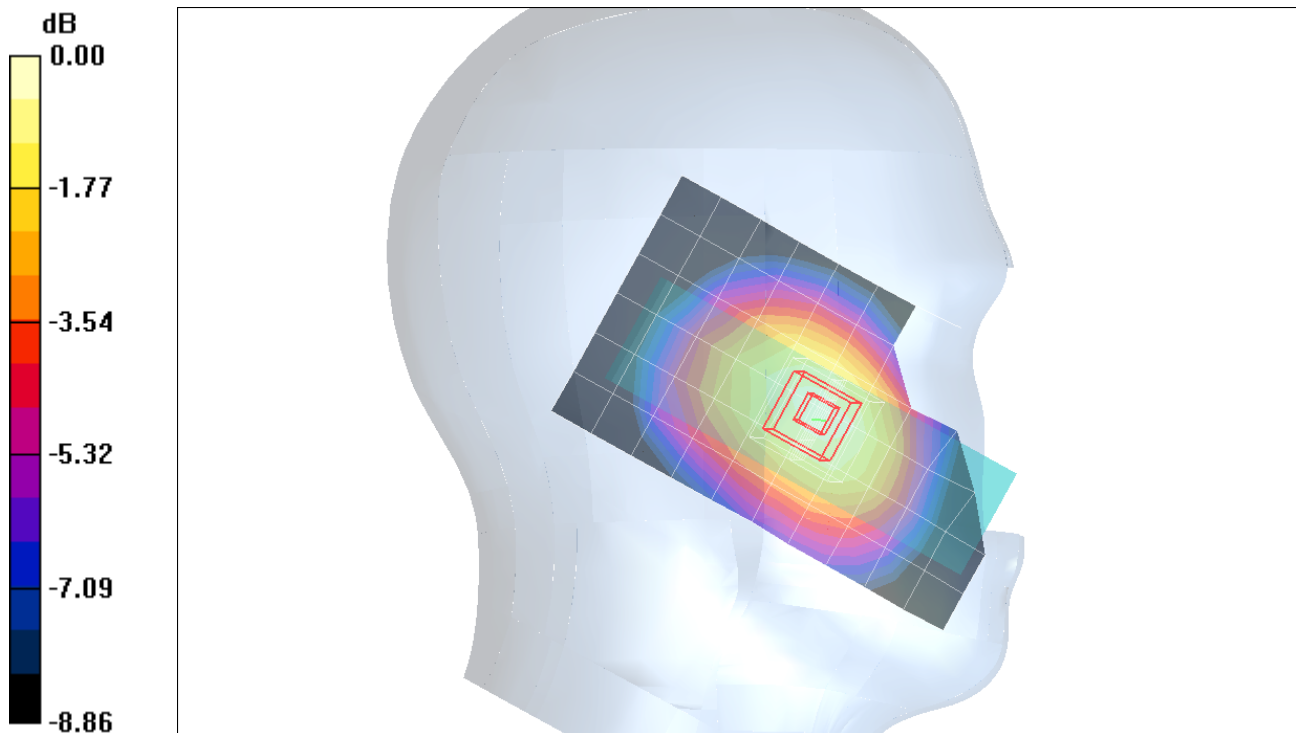
Reference Value = 7.38 V/m; Power Drift = -0.011 dB

Peak SAR (extrapolated) = 0.217 W/kg

**SAR(1 g) = 0.163 mW/g; SAR(10 g) = 0.118 mW/g**

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

Maximum value of SAR (measured) = 0.187 mW/g



0 dB = 0.187mW/g

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## 2\_Right Hand Side

DUT: Compal Electronics, Inc.; Type: VT820; Serial: B-Test1 145

Communication System: AMPS 835; Frequency: 824.04 MHz; Duty Cycle: 1:1

Medium parameters used (interpolated):  $f = 824.04$  MHz;  $\sigma = 0.897$  mho/m;  $\epsilon_r = 40.5$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Right Section

Room Ambient Temperature: 23 deg. C; Liquid Temperature: 22 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(9.75, 9.75, 9.75); 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

**Touch - L-ch/Area Scan (7x11x1):** Measurement grid: dx=15mm, dy=15mm

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

Maximum value of SAR (measured) = 0.526 mW/g

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

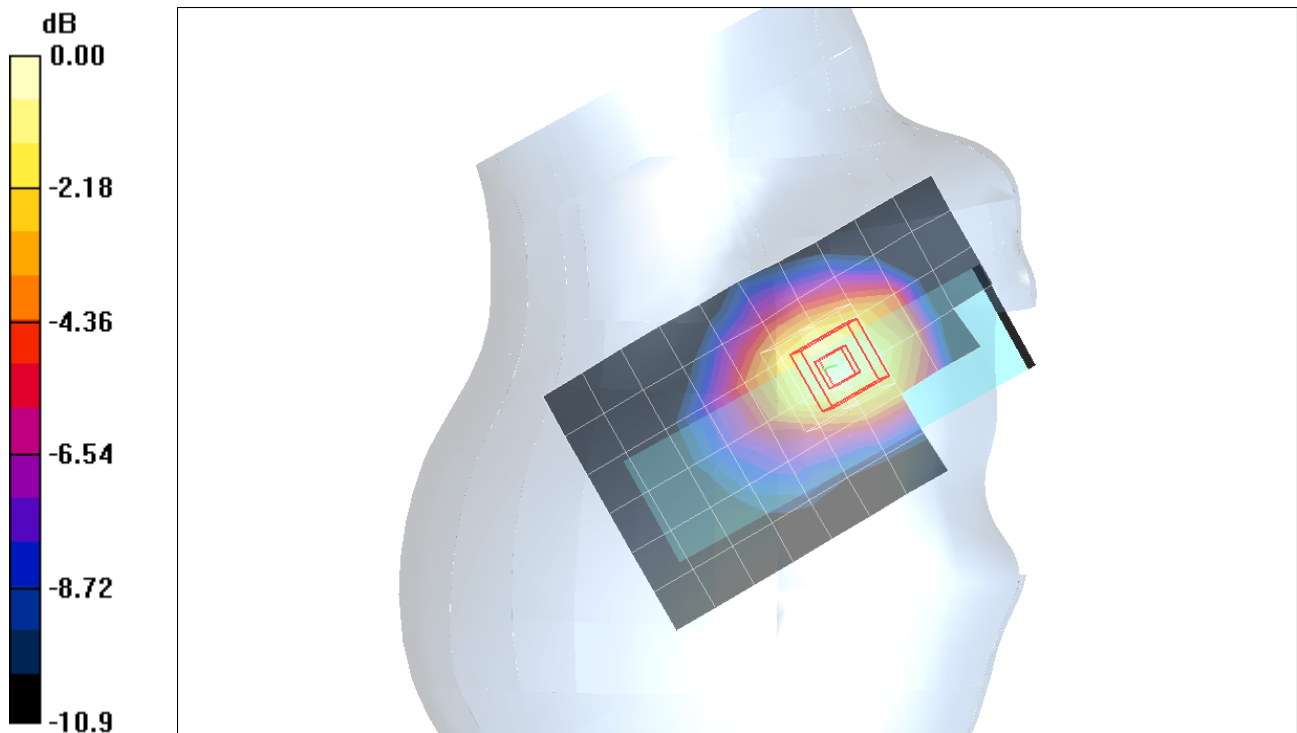
Reference Value = 5.62 V/m; Power Drift = -0.104 dB

Peak SAR (extrapolated) = 0.689 W/kg

**SAR(1 g) = 0.471 mW/g; SAR(10 g) = 0.308 mW/g**

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

Maximum value of SAR (measured) = 0.569 mW/g



0 dB = 0.569mW/g

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## 2\_Right Hand Side

DUT: Compal Electronics, Inc.; Type: VT820; Serial: B-Test1 145

Communication System: AMPS 835; Frequency: 836.49 MHz; Duty Cycle: 1:1

Medium parameters used (interpolated):  $f = 836.49$  MHz;  $\sigma = 0.907$  mho/m;  $\epsilon_r = 40.4$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Right Section

Room Ambient Temperature: 23 deg. C; Liquid Temperature: 22 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(9.75, 9.75, 9.75); 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

**Touch - M-ch/Area Scan (7x11x1):** Measurement grid: dx=15mm, dy=15mm

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

Maximum value of SAR (measured) = 0.681 mW/g

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

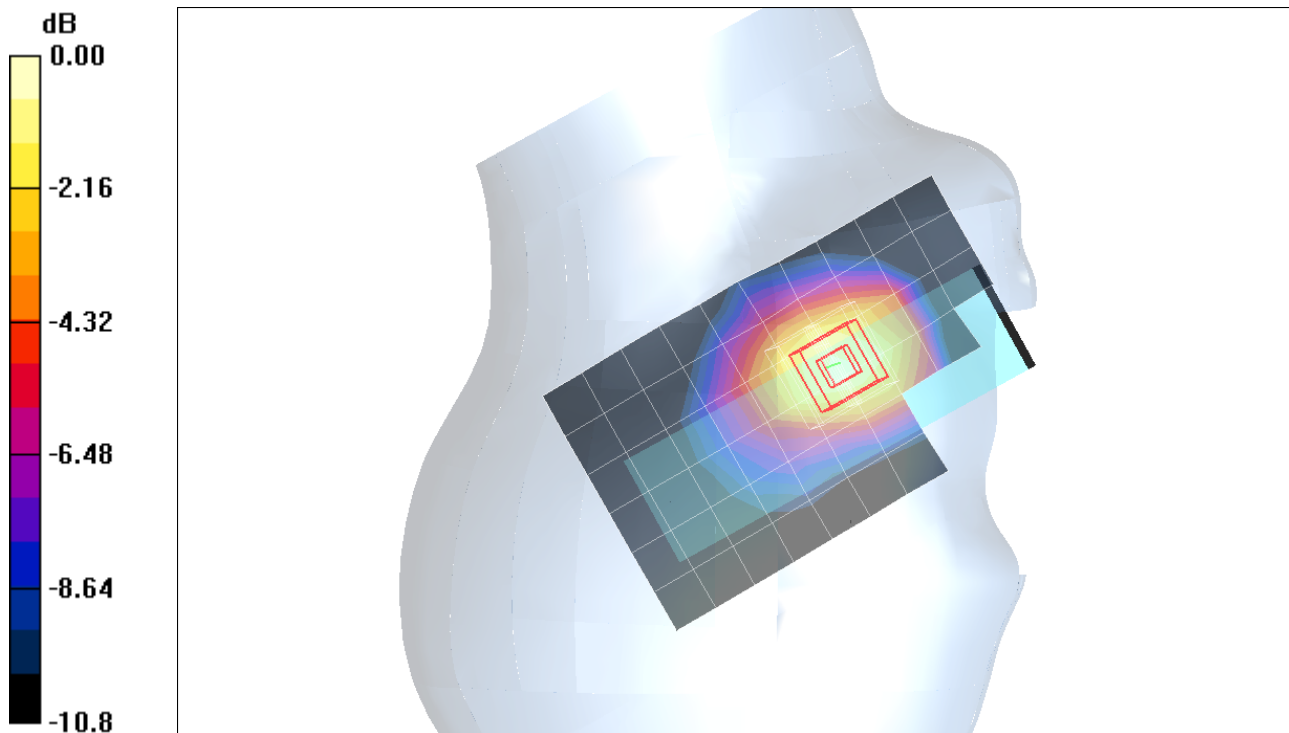
Reference Value = 6.38 V/m; Power Drift = -0.107 dB

Peak SAR (extrapolated) = 0.885 W/kg

**SAR(1 g) = 0.607 mW/g; SAR(10 g) = 0.396 mW/g**

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

Maximum value of SAR (measured) = 0.729 mW/g



0 dB = 0.729mW/g

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## 2\_Right Hand Side

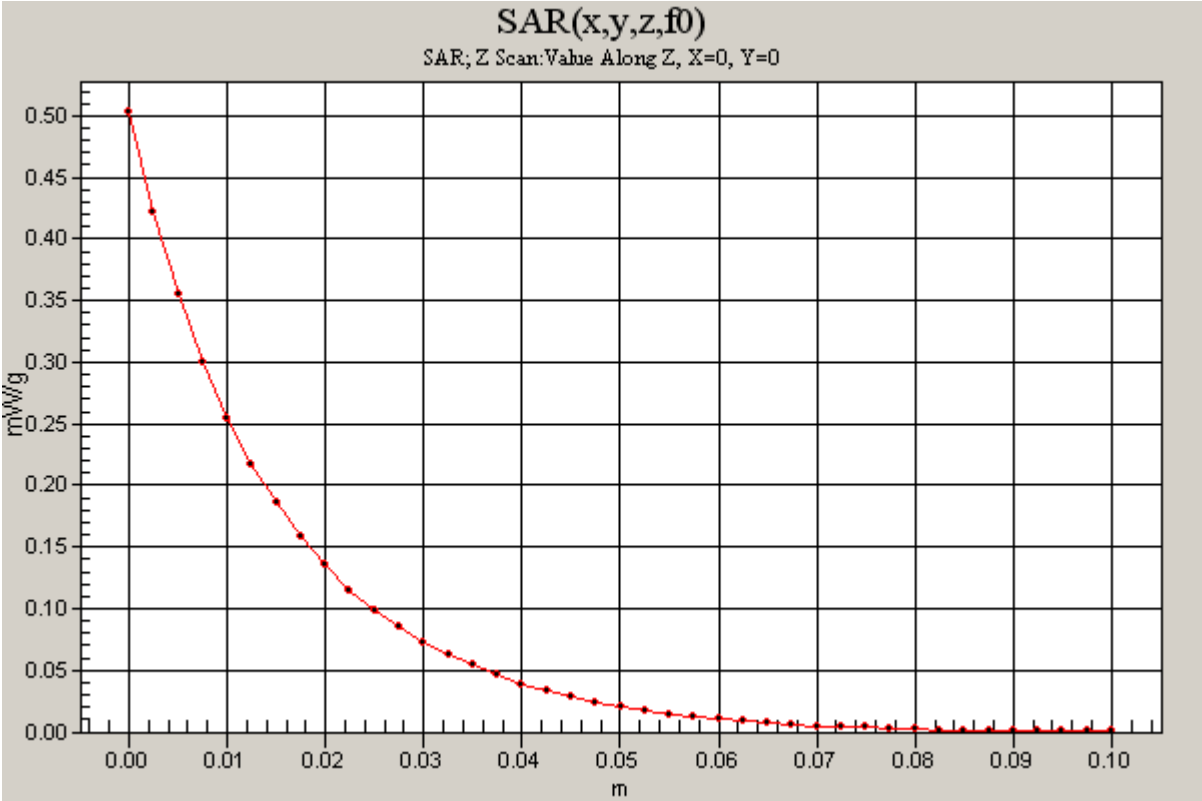
DUT: Compal Electronics, Inc.; Type: VT820; Serial: B-Test1 145

Communication System: AMPS 835; Frequency: 836.49 MHz; Duty Cycle: 1:1

**Touch - M-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) = 0.503 mW/g



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## 2\_Right Hand Side

DUT: Compal Electronics, Inc.; Type: VT820; Serial: B-Test1 145

Communication System: AMPS 835; Frequency: 848.97 MHz; Duty Cycle: 1:1

Medium parameters used (interpolated):  $f = 848.97$  MHz;  $\sigma = 0.917$  mho/m;  $\epsilon_r = 40.3$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Right Section

Room Ambient Temperature: 23 deg. C; Liquid Temperature: 22 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(9.75, 9.75, 9.75); 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

**Touch - H-ch/Area Scan (7x11x1):** Measurement grid: dx=15mm, dy=15mm

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

Maximum value of SAR (measured) = 0.779 mW/g

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

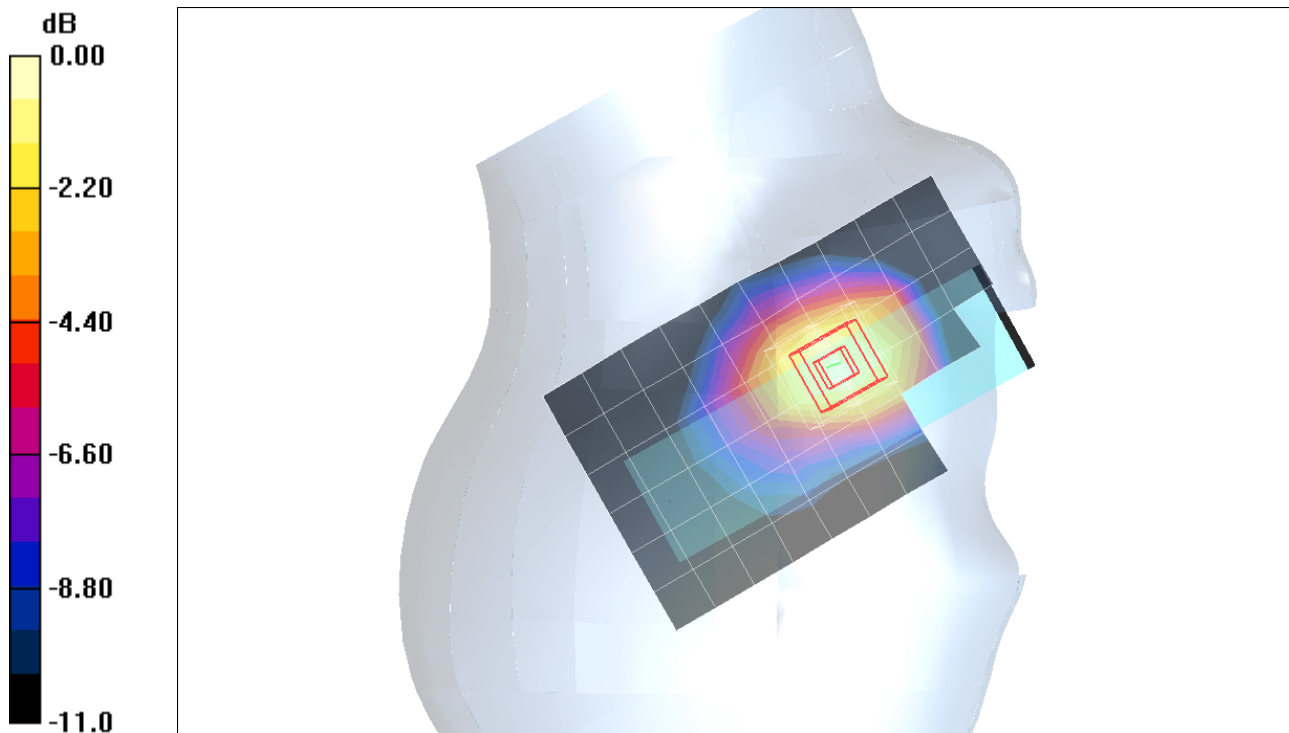
Reference Value = 6.64 V/m; Power Drift = -0.018 dB

Peak SAR (extrapolated) = 1.03 W/kg

**SAR(1 g) = 0.697 mW/g; SAR(10 g) = 0.450 mW/g**

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

Maximum value of SAR (measured) = 0.845 mW/g



0 dB = 0.845mW/g

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## 2\_Right Hand Side

DUT: Compal Electronics, Inc.; Type: VT820; Serial: B-Test1 145

Communication System: AMPS 835; Frequency: 836.49 MHz; Duty Cycle: 1:1

Medium parameters used (interpolated):  $f = 836.49$  MHz;  $\sigma = 0.907$  mho/m;  $\epsilon_r = 40.4$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Right Section

Room Ambient Temperature: 23 deg. C; Liquid Temperature: 22 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(9.75, 9.75, 9.75); 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

**Tilt - M-ch/Area Scan (7x11x1):** Measurement grid: dx=15mm, dy=15mm

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

Maximum value of SAR (measured) = 0.178 mW/g

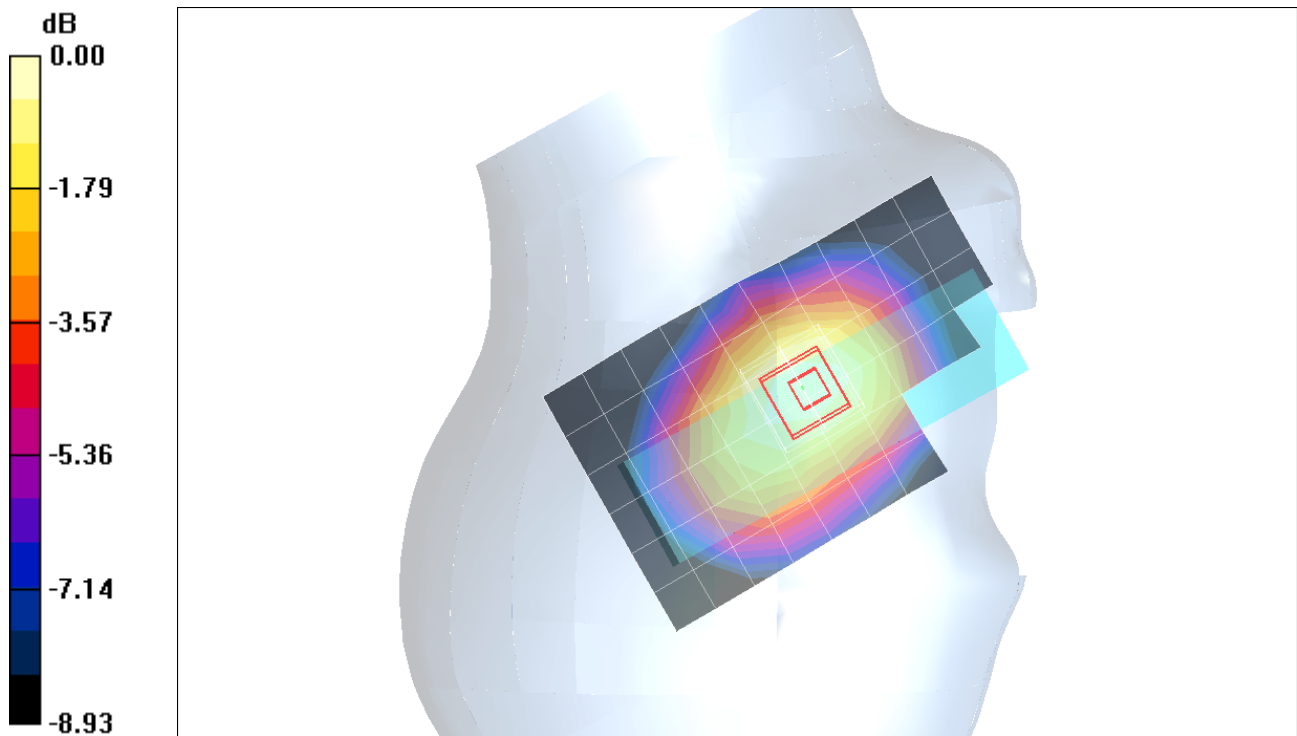
**Tilt - M-ch/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm

Reference Value = 8.01 V/m; Power Drift = -0.060 dB

Peak SAR (extrapolated) = 0.205 W/kg

**SAR(1 g) = 0.157 mW/g; SAR(10 g) = 0.115 mW/g**

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



0 dB = 0.178mW/g

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### 3\_Bosy worn - 1.5 cm separation

DUT: Compal Electronics, Inc.; Type: VT820; Serial: B-Test1 145

Communication System: AMPS 835; Frequency: 824.04 MHz; Duty Cycle: 1:1

Medium parameters used (interpolated):  $f = 824.04$  MHz;  $\sigma = 0.97$  mho/m;  $\epsilon_r = 55.4$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

Room Ambient Temperature: 23 deg. C; Liquid Temperature: 22 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(9.72, 9.72, 9.72); 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

**1.5 cm sep., L-ch/Area Scan (6x8x1):** Measurement grid: dx=15mm, dy=15mm

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

Maximum value of SAR (measured) = 0.277 mW/g

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

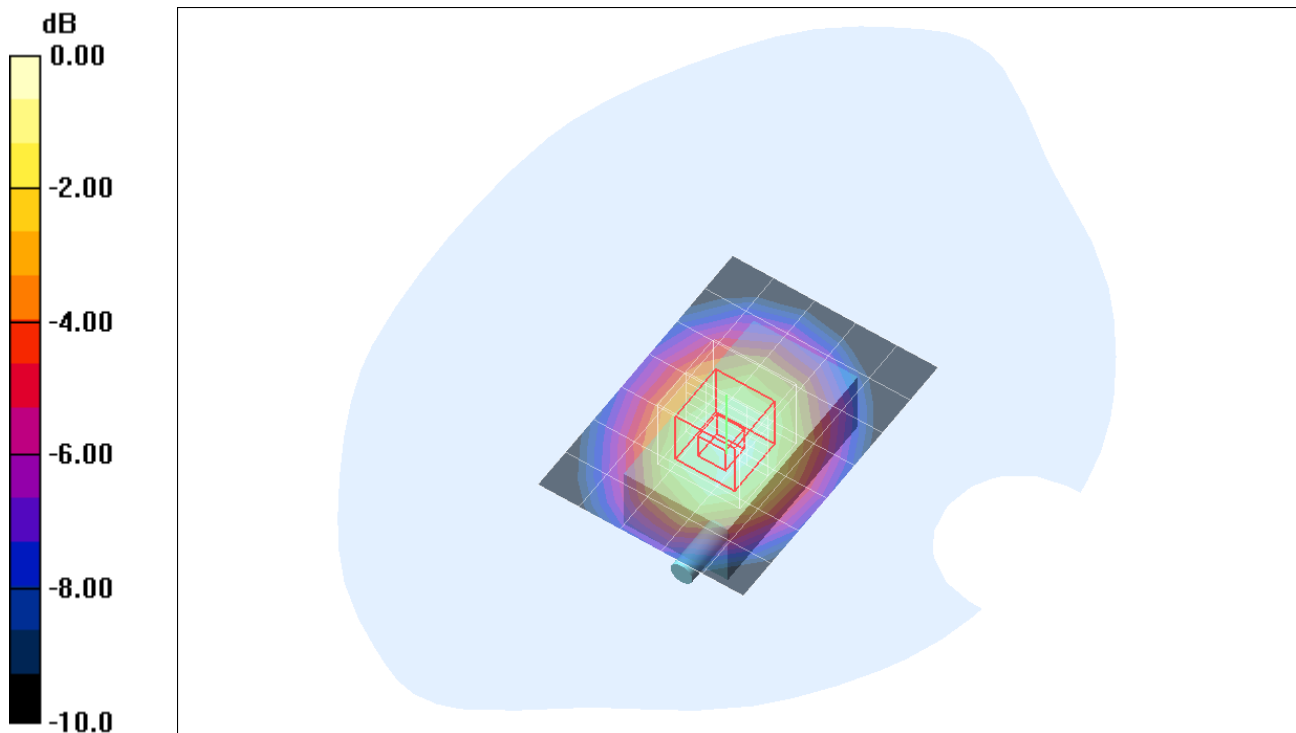
Reference Value = 14.5 V/m; Power Drift = -0.058 dB

Peak SAR (extrapolated) = 0.342 W/kg

**SAR(1 g) = 0.252 mW/g; SAR(10 g) = 0.178 mW/g**

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

Maximum value of SAR (measured) = 0.292 mW/g



0 dB = 0.292mW/g



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### 3\_Bosy worn - 1.5 cm separation

DUT: Compal Electronics, Inc.; Type: VT820; Serial: B-Test1 145

Communication System: AMPS 835; Frequency: 836.49 MHz; Duty Cycle: 1:1

Medium parameters used (interpolated):  $f = 836.49$  MHz;  $\sigma = 0.981$  mho/m;  $\epsilon_r = 55.3$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

Room Ambient Temperature: 23 deg. C; Liquid Temperature: 22 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(9.72, 9.72, 9.72); 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

**1.5 cm sep., M-ch/Area Scan (6x8x1):** Measurement grid: dx=15mm, dy=15mm

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

Maximum value of SAR (measured) = 0.377 mW/g

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

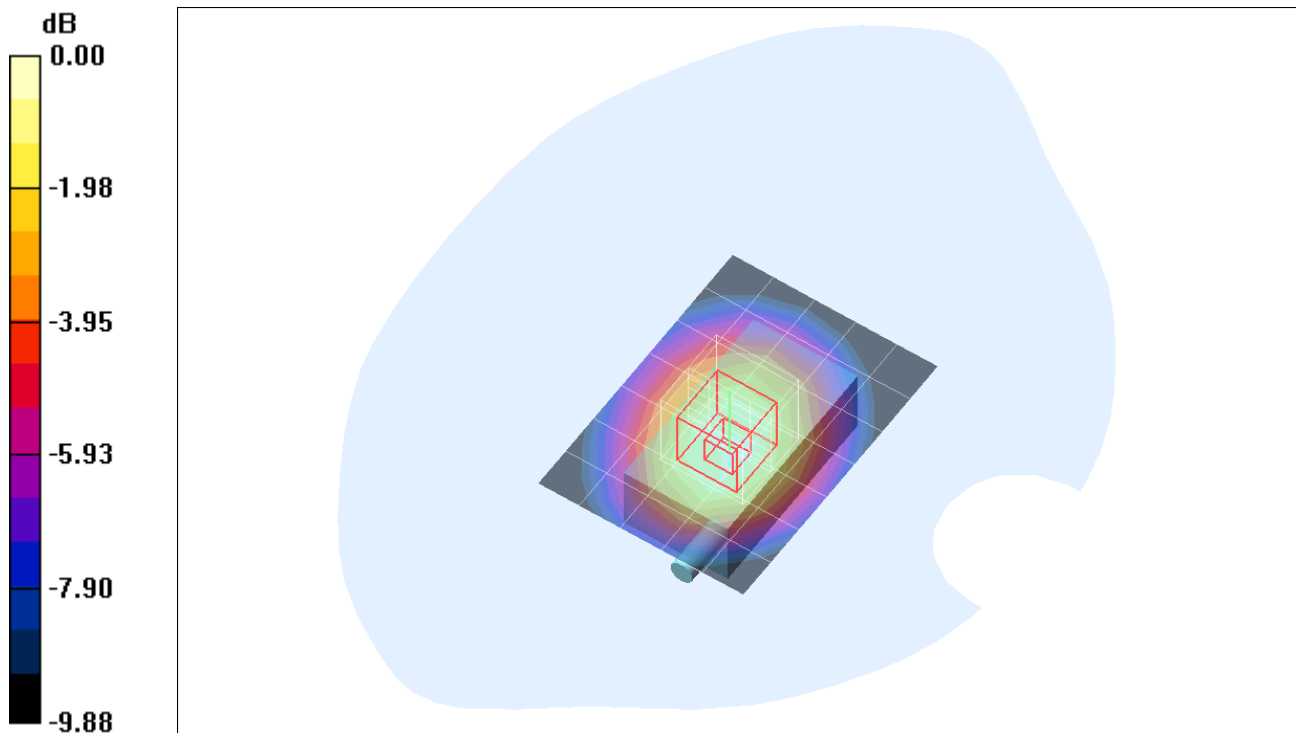
Reference Value = 16.7 V/m; Power Drift = -0.019 dB

Peak SAR (extrapolated) = 0.465 W/kg

**SAR(1 g) = 0.339 mW/g; SAR(10 g) = 0.236 mW/g**

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

Maximum value of SAR (measured) = 0.397 mW/g



0 dB = 0.397mW/g

Test Laboratory: Compliance Certification Services

### 3\_Bosy worn - 1.5 cm separation

DUT: Compal Electronics, Inc.; Type: VT820; Serial: B-Test1 145

Communication System: AMPS 835; Frequency: 848.97 MHz; Duty Cycle: 1:1

Medium parameters used (interpolated):  $f = 848.97$  MHz;  $\sigma = 0.995$  mho/m;  $\epsilon_r = 55.2$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

Room Ambient Temperature: 23 deg. C; Liquid Temperature: 22 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(9.72, 9.72, 9.72); 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

**1.5 cm sep., H-ch/Area Scan (6x8x1):** Measurement grid: dx=15mm, dy=15mm

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

Maximum value of SAR (measured) = 0.471 mW/g

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

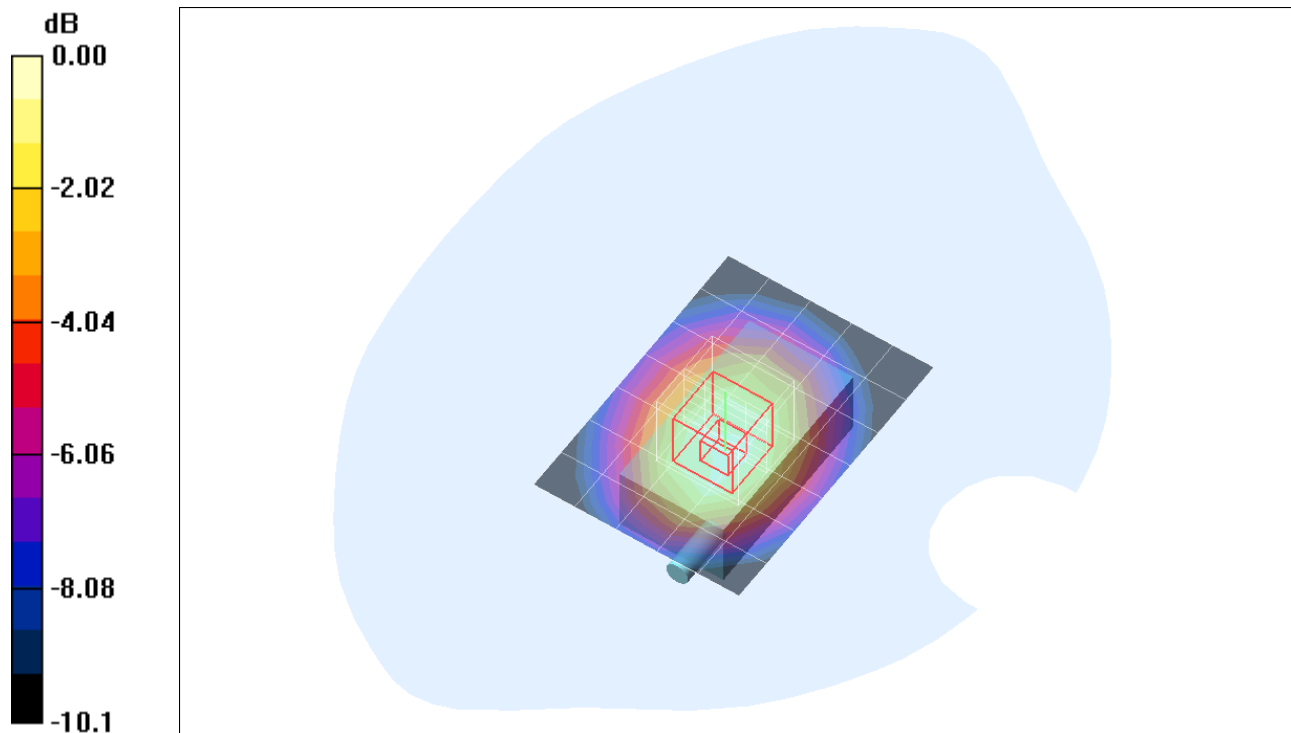
Reference Value = 18.4 V/m; Power Drift = -0.146 dB

Peak SAR (extrapolated) = 0.566 W/kg

**SAR(1 g) = 0.410 mW/g; SAR(10 g) = 0.285 mW/g**

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

Maximum value of SAR (measured) = 0.483 mW/g



0 dB = 0.483mW/g

Test Laboratory: Compliance Certification Services

### 3\_Bosy worn - 1.5 cm seperation

DUT: Compal Electronics, Inc.; Type: VT820; Serial: B-Test1 145

Communication System: AMPS 835; Frequency: 848.97 MHz;Duty Cycle: 1:1

**1.5 cm sep., 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) = 0.349 mW/g

