

Test Laboratory: Compliance Certification Services

# 1\_Left Hand Side

DUT: Compal Electronics, Inc.; Type: VS500; Serial: 672558E1

Communication System: CDMA; Frequency: 824.76 MHz; Duty Cycle: 1:1  
Medium parameters used (interpolated):  $f = 824.76$  MHz;  $\sigma = 0.907$  mho/m;  $\epsilon_r = 40.9$ ;  $\rho = 1000$  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 2; Type: SAM 2; Serial: 1050
- Measurement SW: DASY4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 146

## Touch -L-ch/Area Scan (7x10x1):

 Measurement grid: dx=15mm, dy=15mm

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

Maximum value of SAR (measured) = 1.15 mW/g

## Touch -L-ch/Zoom Scan (5x5x7)/Cube 0:

 Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm

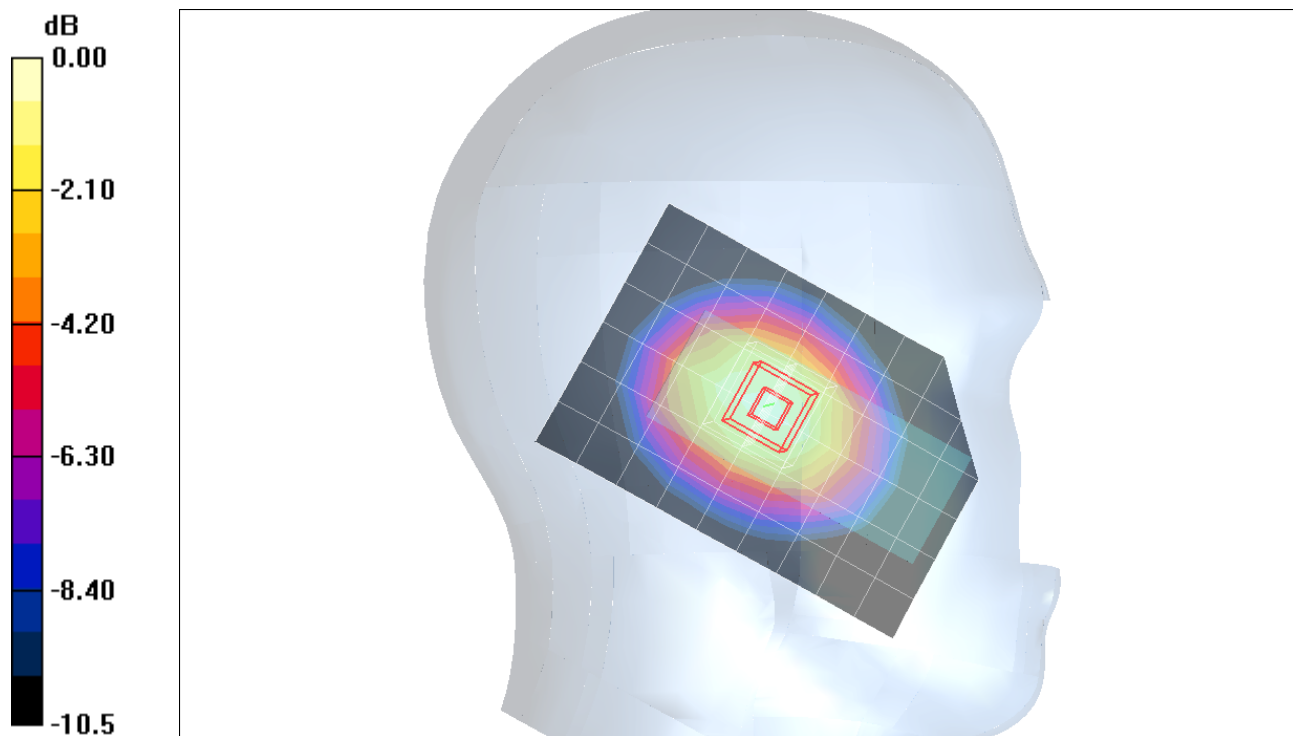
Reference Value = 28.4 V/m; Power Drift = -0.015 dB

Peak SAR (extrapolated) = 1.40 W/kg

**SAR(1 g) = 1.01 mW/g; SAR(10 g) = 0.691 mW/g**

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

Maximum value of SAR (measured) = 1.19 mW/g



0 dB = 1.19mW/g

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# 1\_Left Hand Side

DUT: Compal Electronics, Inc.; Type: VS500; Serial: 672558E1

Communication System: CDMA; Frequency: 836.52 MHz; Duty Cycle: 1:1

Medium parameters used (interpolated):  $f = 836.52$  MHz;  $\sigma = 0.918$  mho/m;  $\epsilon_r = 40.8$ ;  $\rho = 1000$  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 2; Type: SAM 2; Serial: 1050
- Measurement SW: DASY4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 146

**Touch - M-ch/Area Scan (7x10x1):** Measurement grid: dx=15mm, dy=15mm

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

Maximum value of SAR (measured) = 1.38 mW/g

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

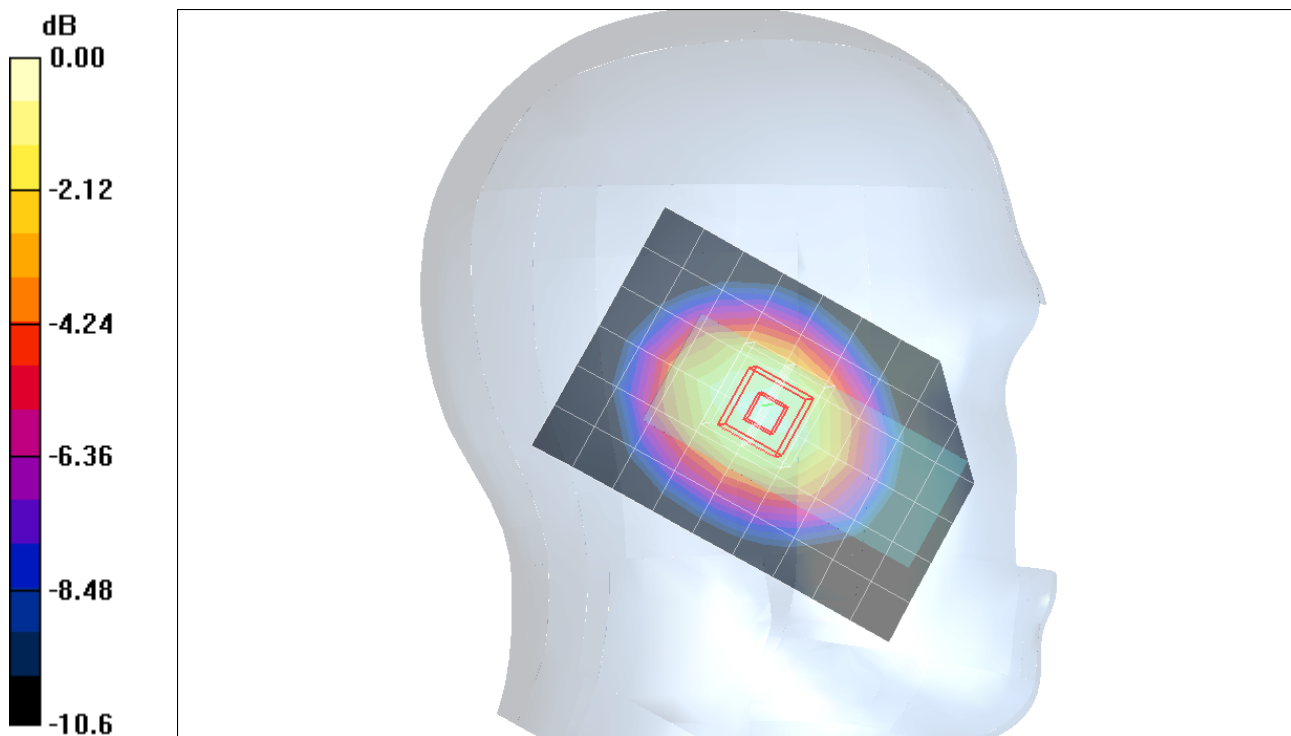
Reference Value = 31.2 V/m; Power Drift = -0.114 dB

Peak SAR (extrapolated) = 1.62 W/kg

**SAR(1 g) = 1.2 mW/g; SAR(10 g) = 0.823 mW/g**

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

Maximum value of SAR (measured) = 1.39 mW/g



0 dB = 1.39mW/g

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### 1\_Left Hand Side

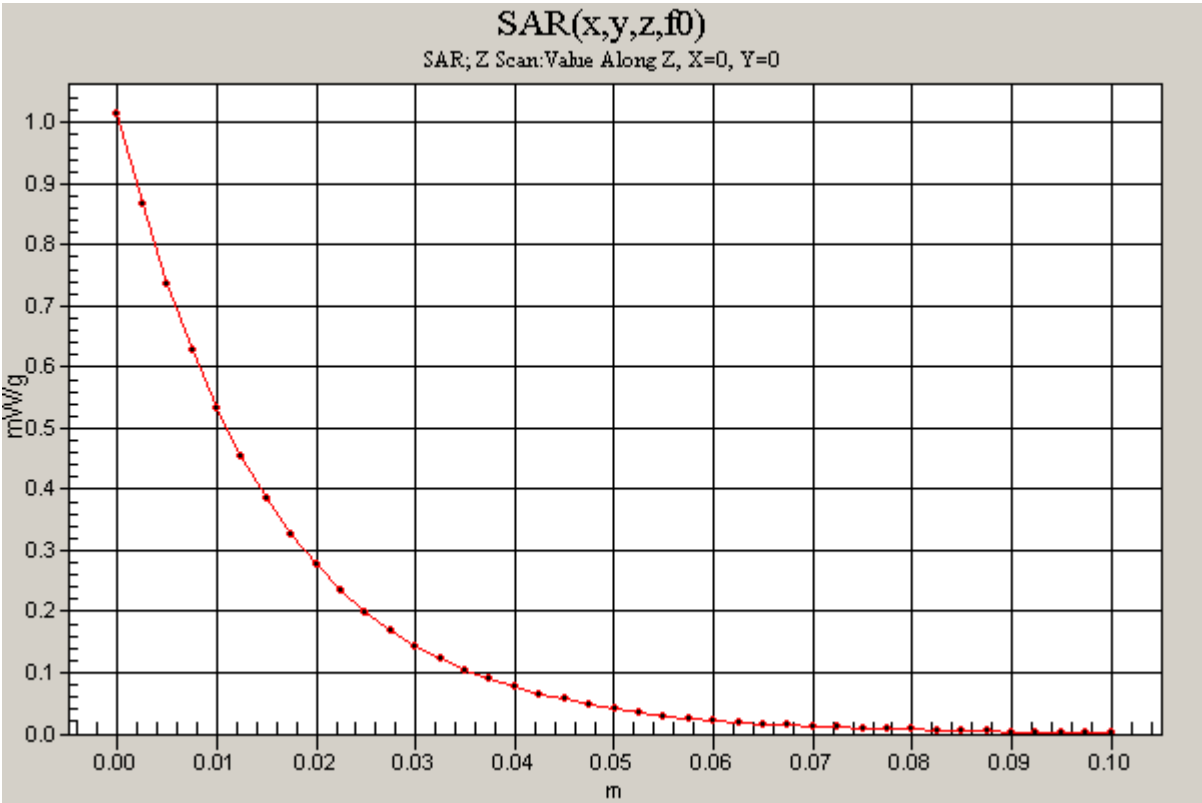
DUT: Compal Electronics, Inc.; Type: VS500; Serial: 672558E1

Communication System: CDMA; Frequency: 836.52 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) = 1.01 mW/g



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# 1\_Left Hand Side

DUT: Compal Electronics, Inc.; Type: VS500; Serial: 672558E1

Communication System: CDMA; Frequency: 848.31 MHz; Duty Cycle: 1:1  
Medium parameters used (interpolated):  $f = 848.31$  MHz;  $\sigma = 0.928$  mho/m;  $\epsilon_r = 40.7$ ;  $\rho = 1000$  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 2; Type: SAM 2; Serial: 1050
- Measurement SW: DASY4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 146

**Touch -H-ch/Area Scan (7x10x1):** Measurement grid: dx=15mm, dy=15mm

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

Maximum value of SAR (measured) = 1.11 mW/g

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

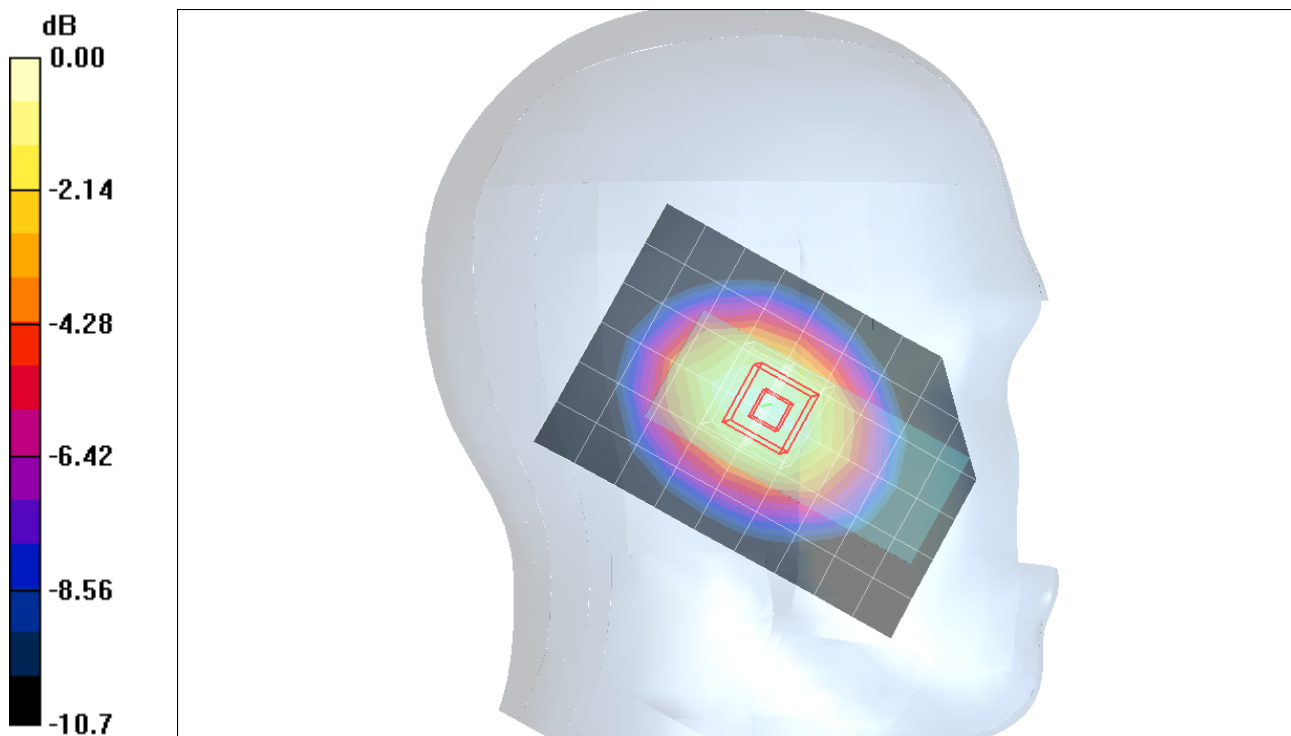
Reference Value = 26.9 V/m; Power Drift = -0.022 dB

Peak SAR (extrapolated) = 1.31 W/kg

**SAR(1 g) = 0.944 mW/g; SAR(10 g) = 0.642 mW/g**

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

Maximum value of SAR (measured) = 1.10 mW/g



0 dB = 1.10mW/g

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## 1\_Left Hand Side

DUT: Compal Electronics, Inc.; Type: VS500; Serial: 672558E1

Communication System: CDMA; Frequency: 836.52 MHz; Duty Cycle: 1:1

Medium parameters used (interpolated):  $f = 836.52$  MHz;  $\sigma = 0.918$  mho/m;  $\epsilon_r = 40.8$ ;  $\rho = 1000$  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 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 (7x10x1):** Measurement grid: dx=15mm, dy=15mm

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

Maximum value of SAR (measured) = 0.799 mW/g

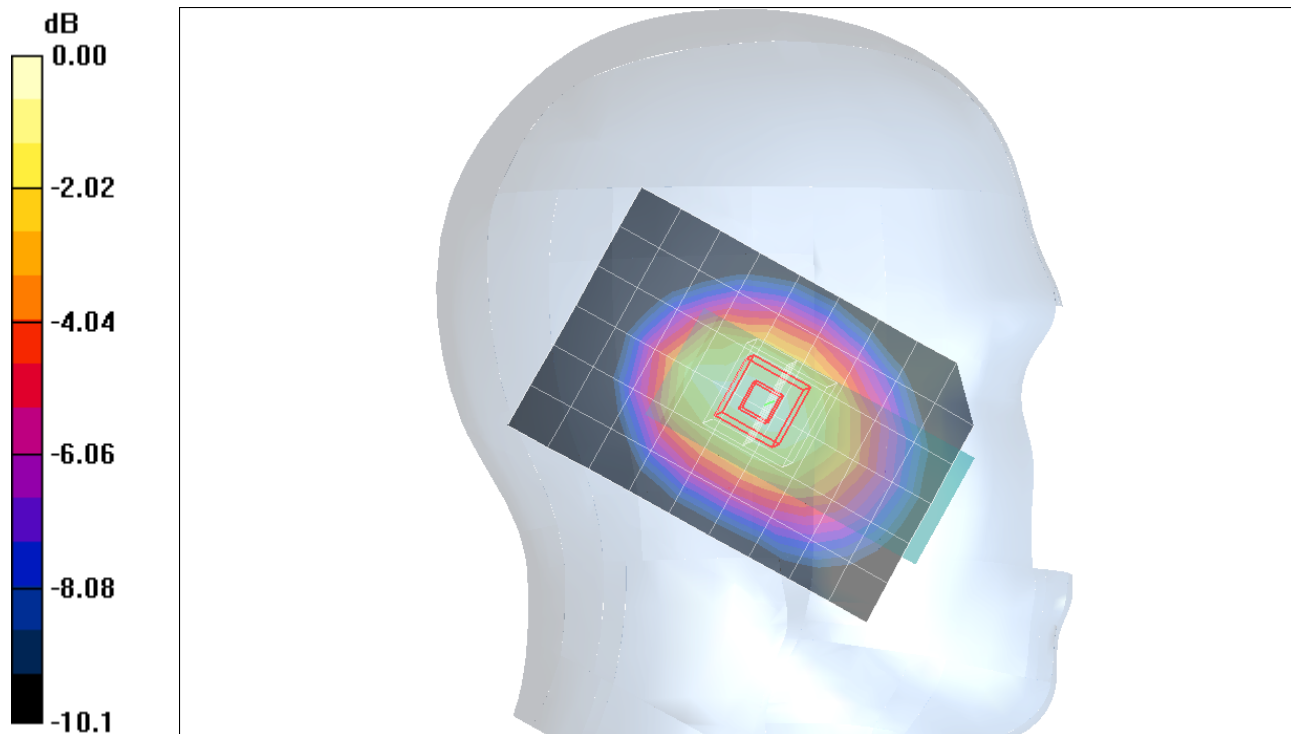
**Tilt - M-ch/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm

Reference Value = 27.2 V/m; Power Drift = 0.00 dB

Peak SAR (extrapolated) = 0.955 W/kg

**SAR(1 g) = 0.687 mW/g; SAR(10 g) = 0.479 mW/g**

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



Test Laboratory: Compliance Certification Services

## 2\_Right Hand Side

DUT: Compal Electronics, Inc.; Type: VS500; Serial: 672558E1

Communication System: CDMA; Frequency: 824.76 MHz; Duty Cycle: 1:1

Medium parameters used (interpolated):  $f = 824.76$  MHz;  $\sigma = 0.907$  mho/m;  $\epsilon_r = 40.9$ ;  $\rho = 1000$  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 2; Type: SAM 2; Serial: 1050
- Measurement SW: DASY4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 146

**Touch - L-ch/Area Scan (7x10x1):** Measurement grid: dx=15mm, dy=15mm

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

Maximum value of SAR (measured) = 1.16 mW/g

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

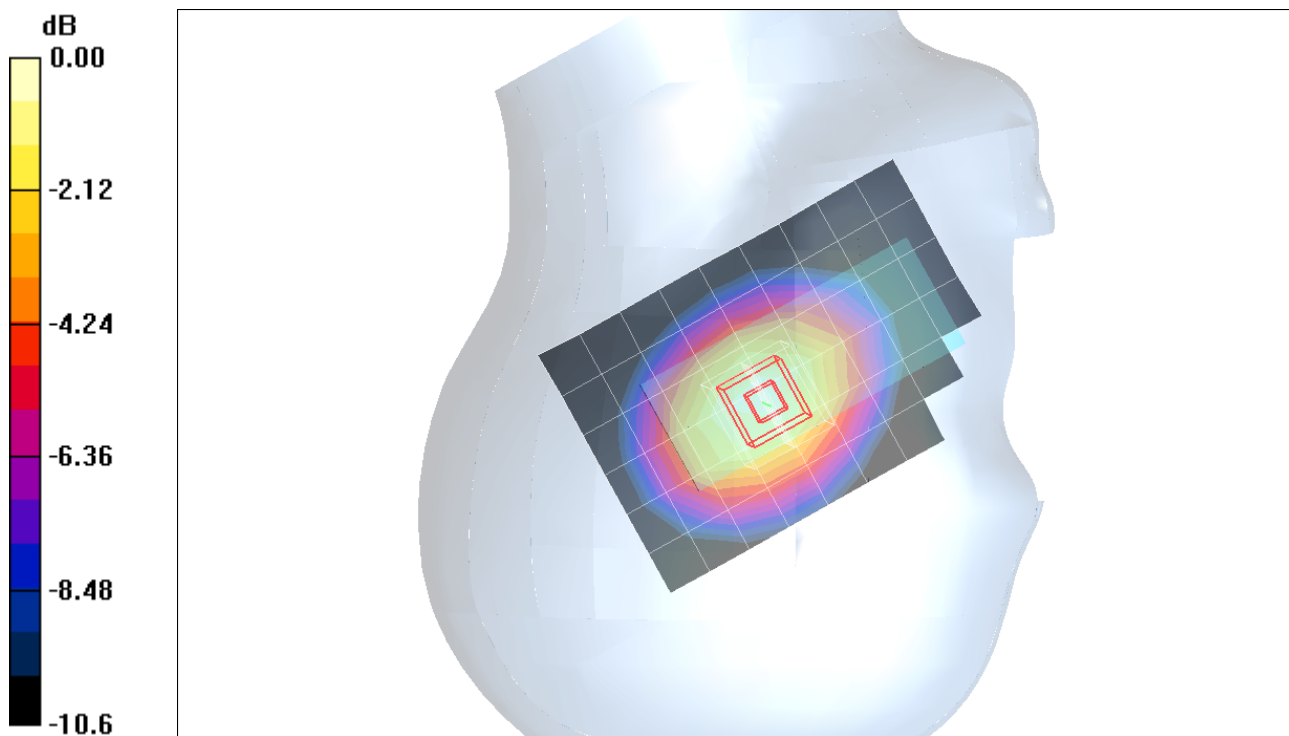
Reference Value = 28.3 V/m; Power Drift = -0.045 dB

Peak SAR (extrapolated) = 1.42 W/kg

**SAR(1 g) = 1 mW/g; SAR(10 g) = 0.680 mW/g**

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

Maximum value of SAR (measured) = 1.19 mW/g



0 dB = 1.19mW/g

Test Laboratory: Compliance Certification Services

## 2\_Right Hand Side

DUT: Compal Electronics, Inc.; Type: VS500; Serial: 672558E1

Communication System: CDMA; Frequency: 836.52 MHz; Duty Cycle: 1:1

Medium parameters used (interpolated):  $f = 836.52$  MHz;  $\sigma = 0.918$  mho/m;  $\epsilon_r = 40.8$ ;  $\rho = 1000$  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 2; Type: SAM 2; Serial: 1050
- Measurement SW: DASY4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 146

**Touch - M-ch/Area Scan (7x10x1):** Measurement grid: dx=15mm, dy=15mm

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

Maximum value of SAR (measured) = 1.39 mW/g

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

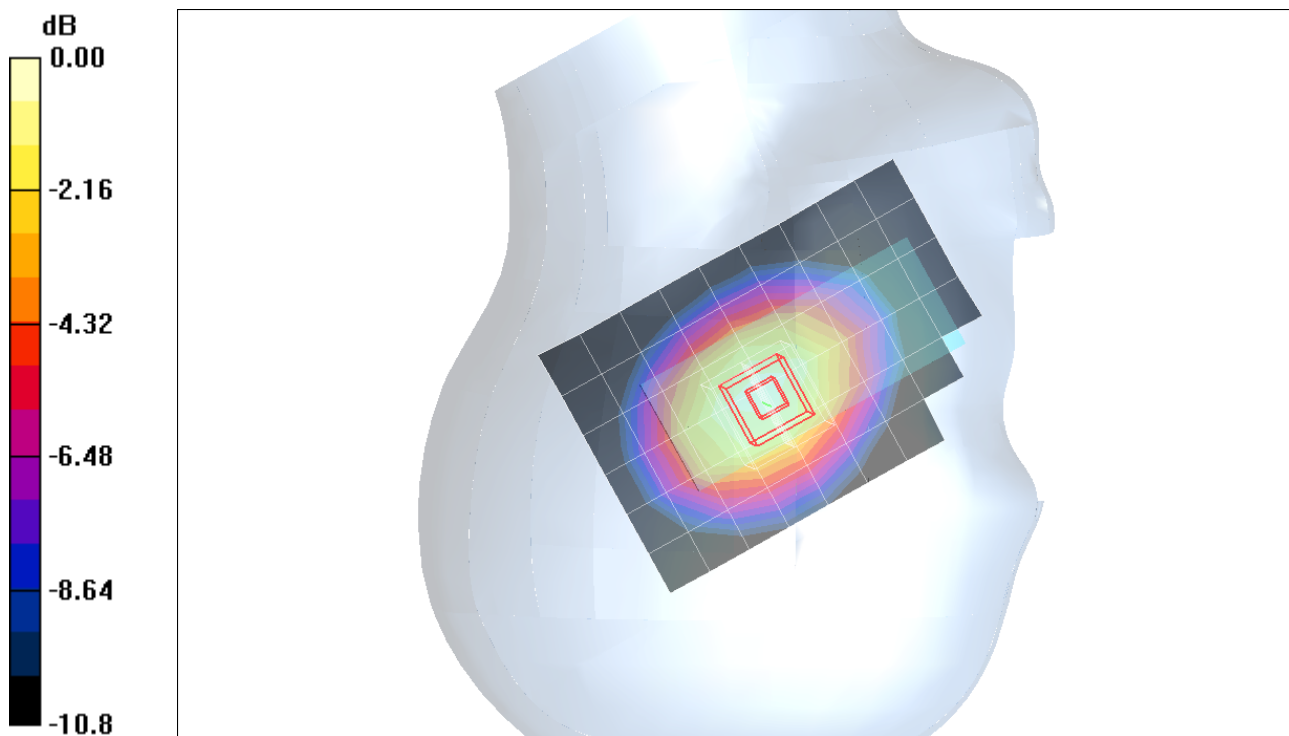
Reference Value = 30.2 V/m; Power Drift = -0.011 dB

Peak SAR (extrapolated) = 1.67 W/kg

**SAR(1 g) = 1.19 mW/g; SAR(10 g) = 0.809 mW/g**

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

Maximum value of SAR (measured) = 1.40 mW/g



0 dB = 1.40mW/g

Test Laboratory: Compliance Certification Services

## 2\_Right Hand Side

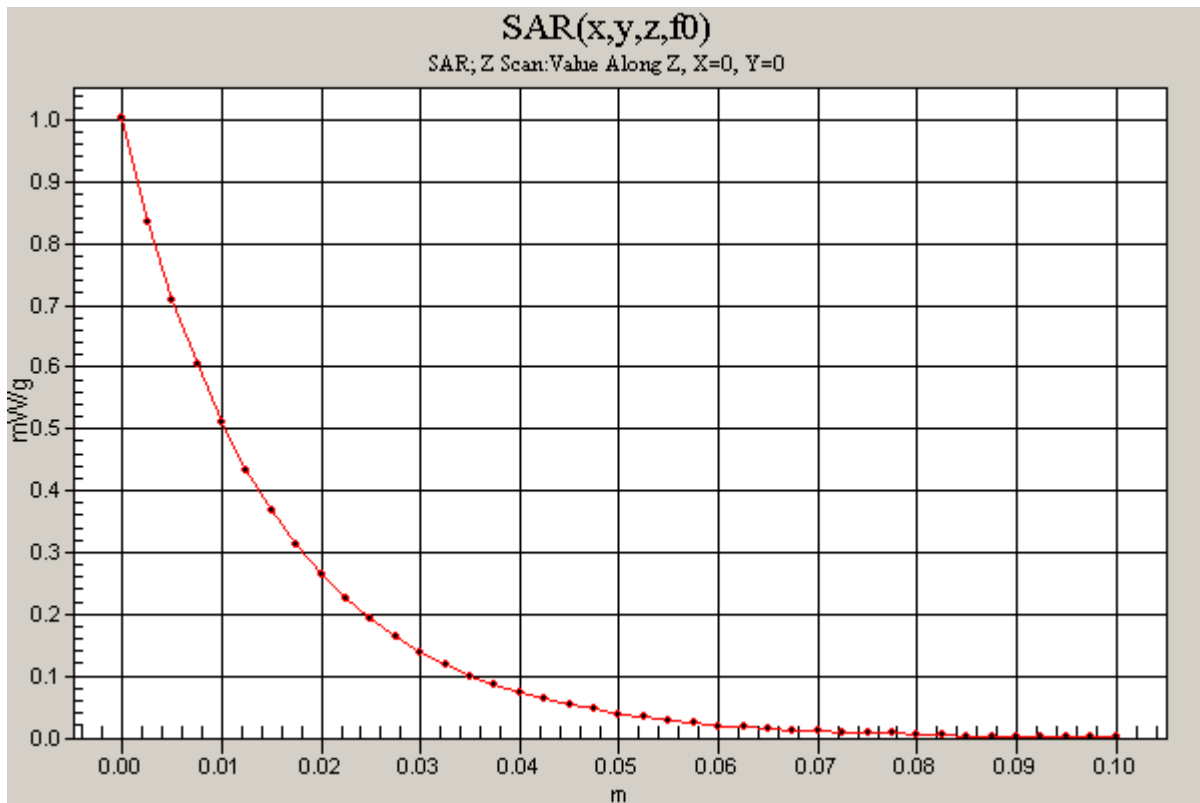
DUT: Compal Electronics, Inc.; Type: VS500; Serial: 672558E1

Communication System: CDMA; Frequency: 836.52 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) = 1.00 mW/g





Test Laboratory: Compliance Certification Services

## 2\_Right Hand Side

DUT: Compal Electronics, Inc.; Type: VS500; Serial: 672558E1

Communication System: CDMA; Frequency: 848.31 MHz; Duty Cycle: 1:1

Medium parameters used (interpolated):  $f = 848.31$  MHz;  $\sigma = 0.928$  mho/m;  $\epsilon_r = 40.7$ ;  $\rho = 1000$  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 2; Type: SAM 2; Serial: 1050
- Measurement SW: DASY4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 146

**Touch - H-ch/Area Scan (7x10x1):** Measurement grid: dx=15mm, dy=15mm

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

Maximum value of SAR (measured) = 1.11 mW/g

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

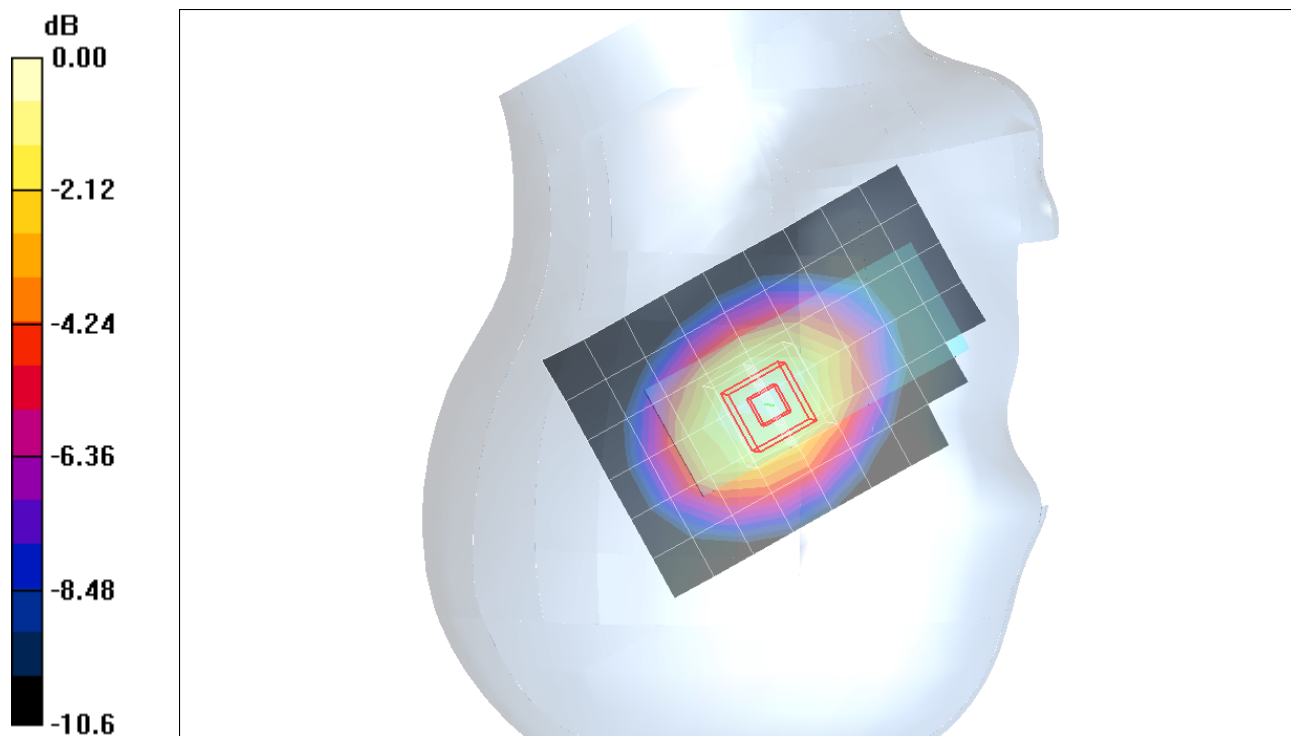
Reference Value = 26.7 V/m; Power Drift = -0.093 dB

Peak SAR (extrapolated) = 1.36 W/kg

**SAR(1 g) = 0.957 mW/g; SAR(10 g) = 0.647 mW/g**

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

Maximum value of SAR (measured) = 1.13 mW/g



0 dB = 1.13mW/g

Test Laboratory: Compliance Certification Services

## 2\_Right Hand Side

DUT: Compal Electronics, Inc.; Type: VS500; Serial: 672558E1

Communication System: CDMA; Frequency: 836.52 MHz; Duty Cycle: 1:1

Medium parameters used (interpolated):  $f = 836.52$  MHz;  $\sigma = 0.918$  mho/m;  $\epsilon_r = 40.8$ ;  $\rho = 1000$  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 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 (7x10x1):** Measurement grid: dx=15mm, dy=15mm

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

Maximum value of SAR (measured) = 0.793 mW/g

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

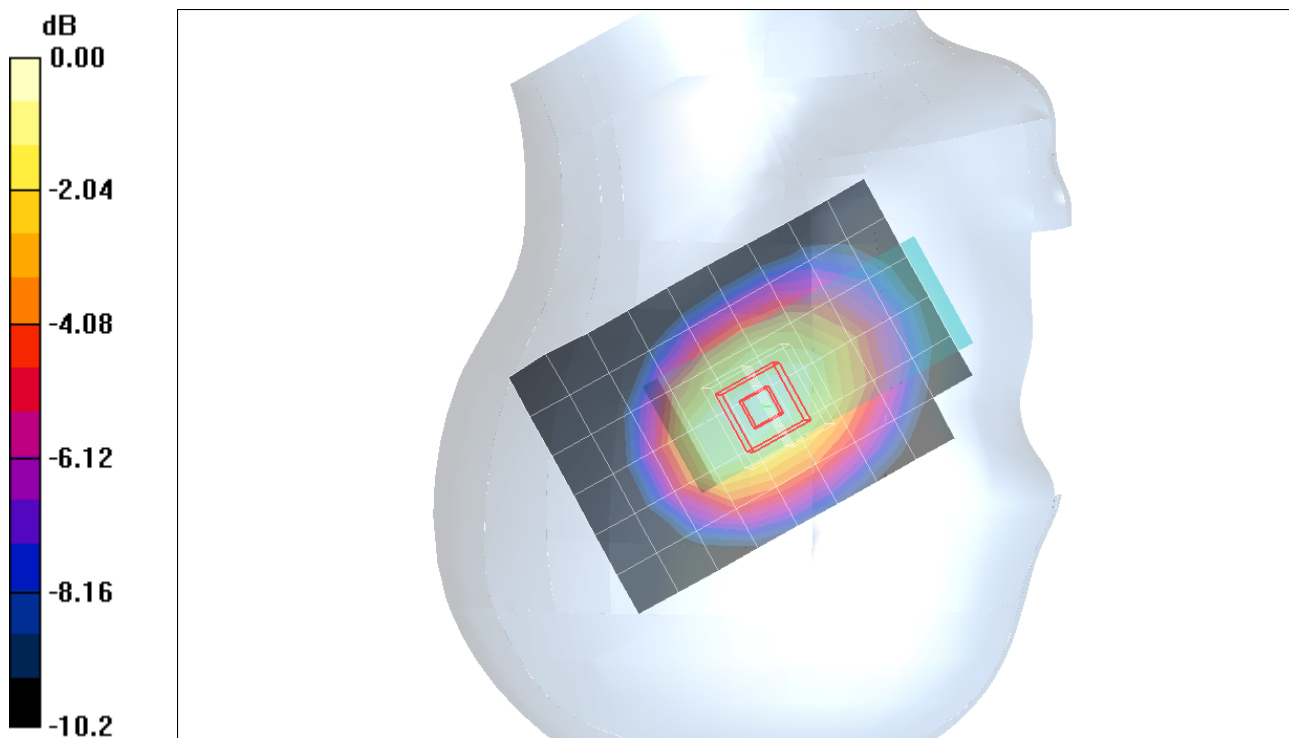
Reference Value = 26.5 V/m; Power Drift = -0.062 dB

Peak SAR (extrapolated) = 0.965 W/kg

**SAR(1 g) = 0.703 mW/g; SAR(10 g) = 0.489 mW/g**

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

Maximum value of SAR (measured) = 0.819 mW/g



0 dB = 0.819mW/g

Test Laboratory: Compliance Certification Services

### 3\_Bosy worn - 1.5 cm separation

DUT: Compal Electronics, Inc.; Type: VS500; Serial: 672558E1

Communication System: CDMA; Frequency: 824.76 MHz; Duty Cycle: 1:1

Medium parameters used (interpolated):  $f = 824.76$  MHz;  $\sigma = 0.985$  mho/m;  $\epsilon_r = 55.9$ ;  $\rho = 1000$  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 1; Type: SAM 1; Serial: 1185
- Measurement SW: DASY4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 146

#### 1.5 cm sep., L-ch/Area Scan (7x11x1): Measurement grid: dx=15mm, dy=15mm

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

Maximum value of SAR (measured) = 0.778 mW/g

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

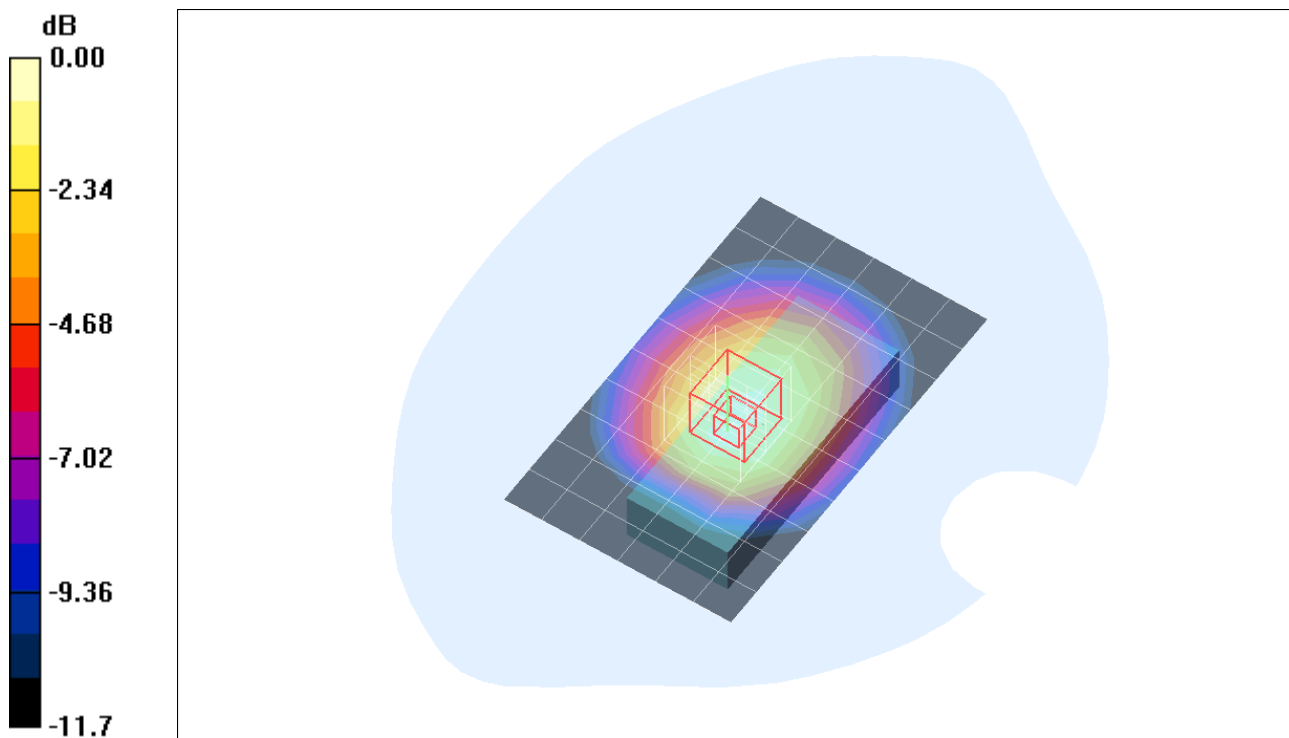
Reference Value = 27.0 V/m; Power Drift = -0.031 dB

Peak SAR (extrapolated) = 0.952 W/kg

**SAR(1 g) = 0.699 mW/g; SAR(10 g) = 0.489 mW/g**

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

Maximum value of SAR (measured) = 0.814 mW/g



0 dB = 0.814mW/g

Test Laboratory: Compliance Certification Services

### 3\_Bosy worn - 1.5 cm separation

DUT: Compal Electronics, Inc.; Type: VS500; Serial: 672558E1

Communication System: CDMA; Frequency: 836.52 MHz; Duty Cycle: 1:1

Medium parameters used (interpolated):  $f = 836.52$  MHz;  $\sigma = 0.997$  mho/m;  $\epsilon_r = 55.8$ ;  $\rho = 1000$  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 1; Type: SAM 1; Serial: 1185
- Measurement SW: DASY4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 146

#### 1.5 cm sep., M-ch/Area Scan (7x11x1): Measurement grid: dx=15mm, dy=15mm

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

Maximum value of SAR (measured) = 1.07 mW/g

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

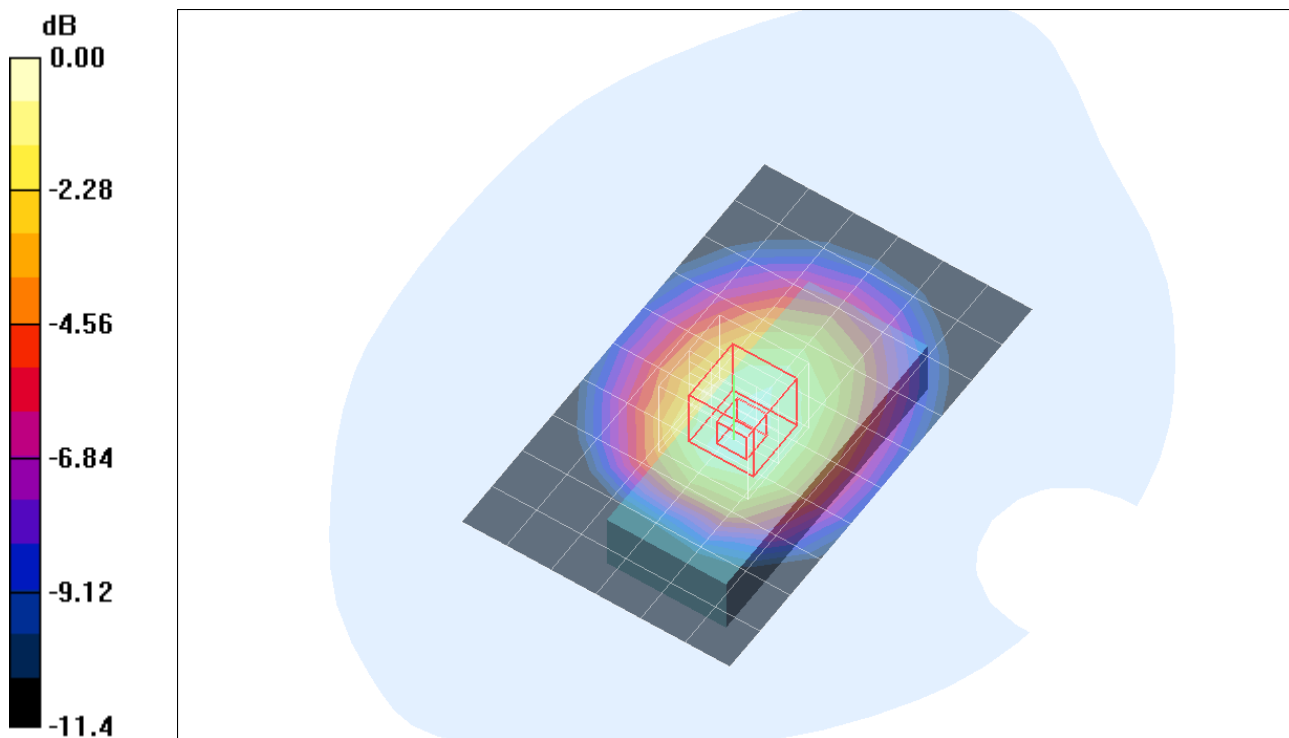
Reference Value = 31.9 V/m; Power Drift = -0.012 dB

Peak SAR (extrapolated) = 1.30 W/kg

**SAR(1 g) = 0.964 mW/g; SAR(10 g) = 0.683 mW/g**

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

Maximum value of SAR (measured) = 1.12 mW/g



0 dB = 1.12mW/g

Test Laboratory: Compliance Certification Services

### 3\_Bosy worn - 1.5 cm separation

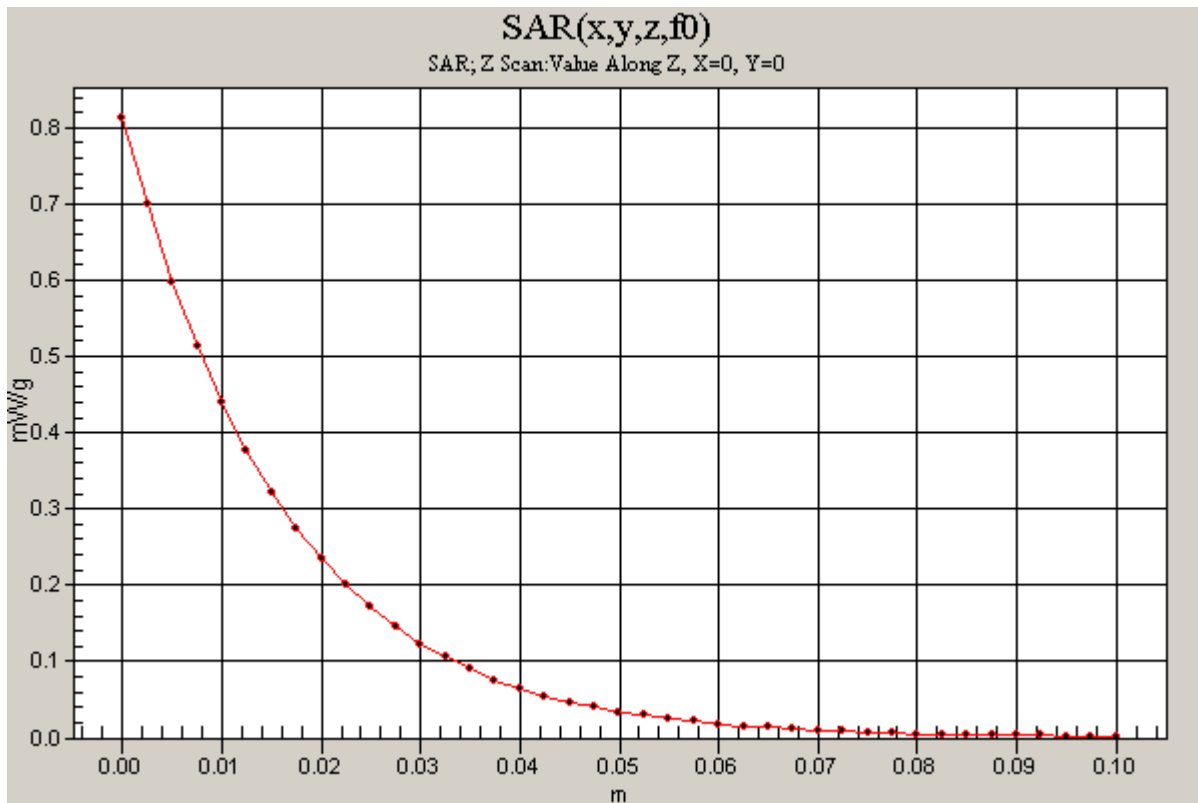
DUT: Compal Electronics, Inc.; Type: VS500; Serial: 672558E1

Communication System: CDMA; Frequency: 836.52 MHz; Duty Cycle: 1:1

**1.5 cm sep., 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) = 0.813 mW/g



Test Laboratory: Compliance Certification Services

### 3\_Bosy worn - 1.5 cm separation

DUT: Compal Electronics, Inc.; Type: VS500; Serial: 672558E1

Communication System: CDMA; Frequency: 848.31 MHz; Duty Cycle: 1:1

Medium parameters used (interpolated):  $f = 848.31$  MHz;  $\sigma = 1.01$  mho/m;  $\epsilon_r = 55.7$ ;  $\rho = 1000$  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 1; Type: SAM 1; Serial: 1185
- Measurement SW: DASY4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 146

#### 1.5 cm sep., H-ch/Area Scan (7x11x1): Measurement grid: dx=15mm, dy=15mm

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

Maximum value of SAR (measured) = 0.687 mW/g

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

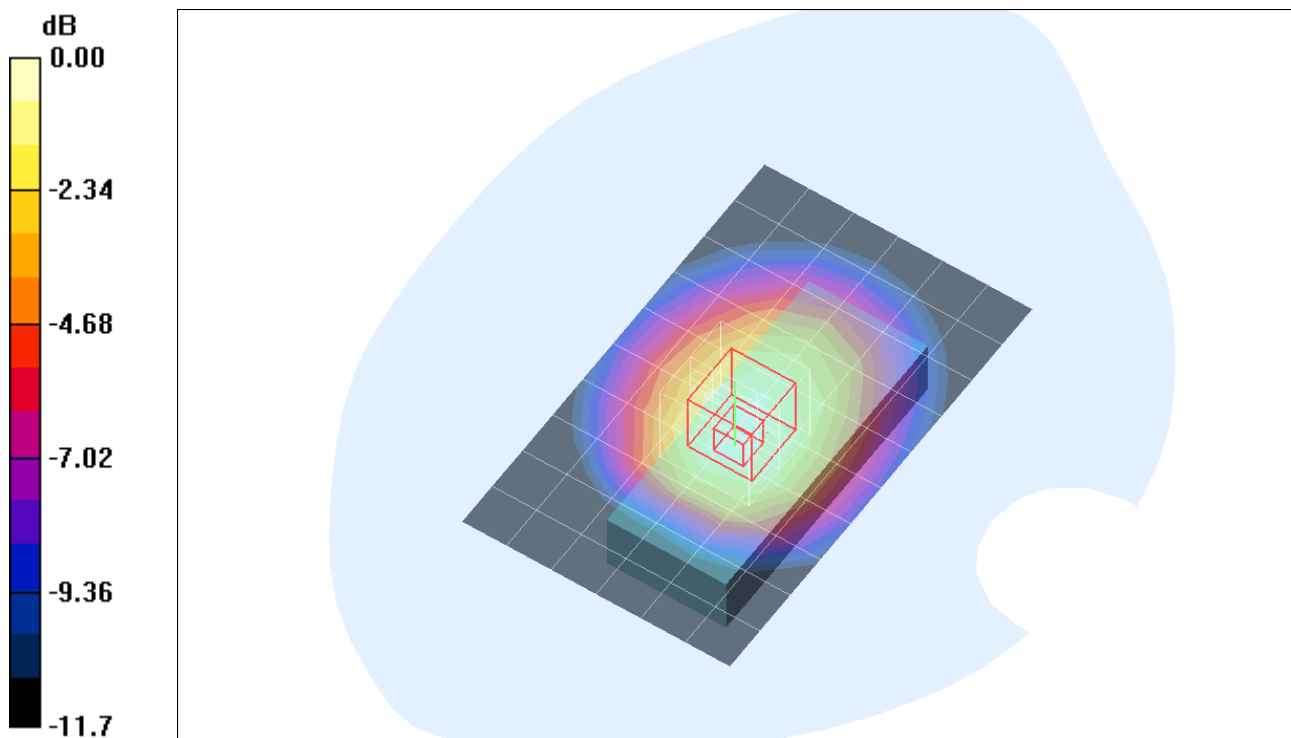
Reference Value = 25.3 V/m; Power Drift = -0.061 dB

Peak SAR (extrapolated) = 0.853 W/kg

**SAR(1 g) = 0.622 mW/g; SAR(10 g) = 0.438 mW/g**

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

Maximum value of SAR (measured) = 0.726 mW/g



0 dB = 0.726mW/g