

Test Laboratory: UL CCS

## Bottom Face\_GPRS850

DUT: Panasonic; Type: N/A; Serial: N/A

Communication System: GSM850; Frequency: 836.6 MHz; Duty Cycle: 1:4  
Medium parameters used (interpolated):  $f = 836.6$  MHz;  $\sigma = 0.984$  mho/m;  $\epsilon_r = 53.6$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Phantom section: Flat Section

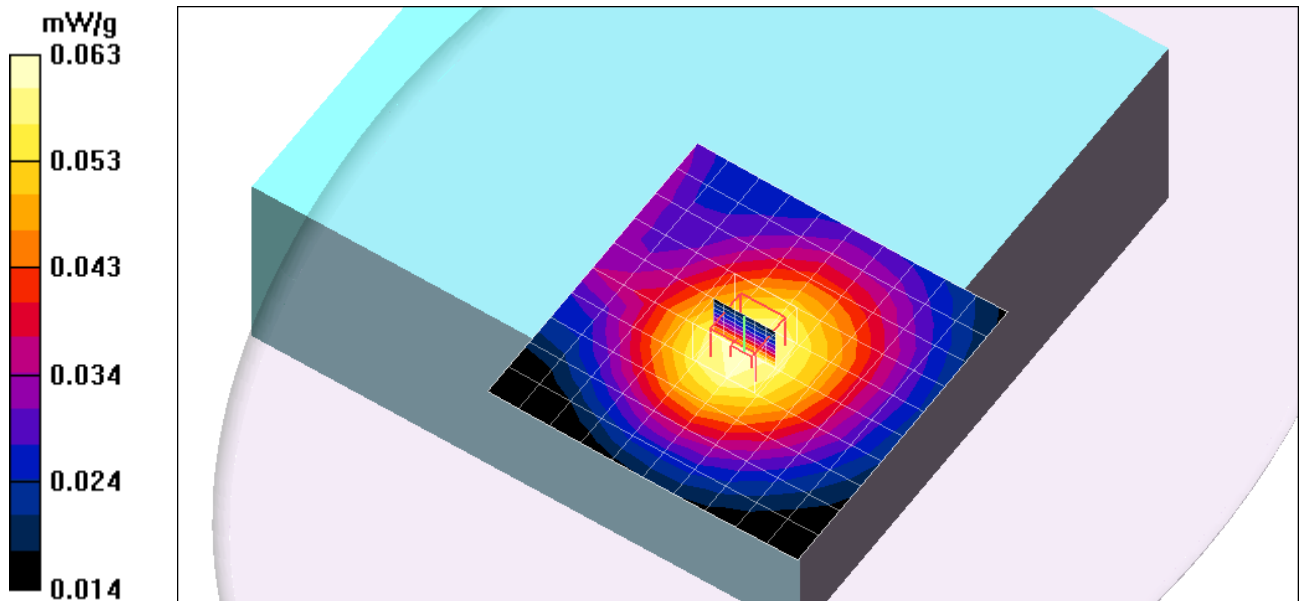
Room Ambient Temperature: 24.0 deg. C; Liquid Temperature: 23.0 deg. C

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 - SN3749; ConvF(8.79, 8.79, 8.79); Calibrated: 12/13/2010
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn427; Calibrated: 7/21/2010
- Phantom: Flat Phantom ELI4.0; Type: QDOVA001BA; Serial: SN:1003
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

**GPRS\_2Slot\_M ch /Area Scan (11x11x1):** Measurement grid: dx=15mm, dy=15mm  
Maximum value of SAR (measured) = 0.063 mW/g

**GPRS\_2Slot\_M ch /Zoom Scan (7x7x9)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=3mm  
Reference Value = 7.95 V/m; Power Drift = 0.018 dB  
Peak SAR (extrapolated) = 0.074 W/kg  
**SAR(1 g) = 0.056 mW/g; SAR(10 g) = 0.042 mW/g**



Test Laboratory: UL CCS

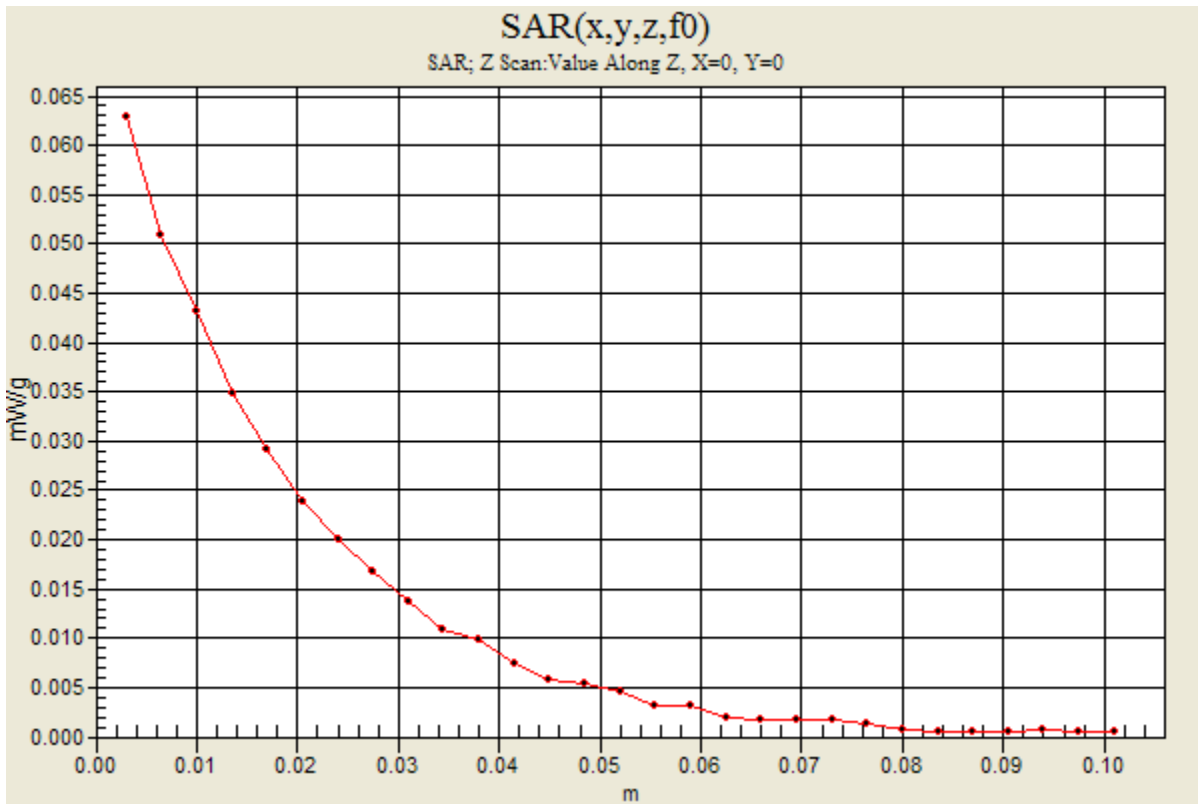
### Bottom Face\_GPRS850

DUT: Panasonic; Type: N/A; Serial: N/A

Communication System: GSM850; Frequency: 836.6 MHz; Duty Cycle: 1:4

**GPRS\_2Slot\_ M ch /Z Scan (1x1x29):** Measurement grid: dx=20mm, dy=20mm, dz=3.5mm

Maximum value of SAR (measured) = 0.063 mW/g



Test Laboratory: UL CCS

## Secondary Landscape\_GPRS850

DUT: Panasonic; Type: N/A; Serial: N/A

Communication System: GSM850; Frequency: 836.6 MHz; Duty Cycle: 1:4  
Medium parameters used (interpolated):  $f = 836.6$  MHz;  $\sigma = 0.984$  mho/m;  $\epsilon_r = 53.6$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Phantom section: Flat Section

Room Ambient Temperature: 23.0 deg. C; Liquid Temperature: 22.0 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 - SN3749; ConvF(8.79, 8.79, 8.79); Calibrated: 12/13/2010
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn427; Calibrated: 7/21/2010
- Phantom: Flat Phantom ELI4.0; Type: QDOVA001BA; Serial: SN:1003
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

**GPRS\_2Slot\_M\_Ch /Area Scan (11x14x1):** Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 0.176 mW/g

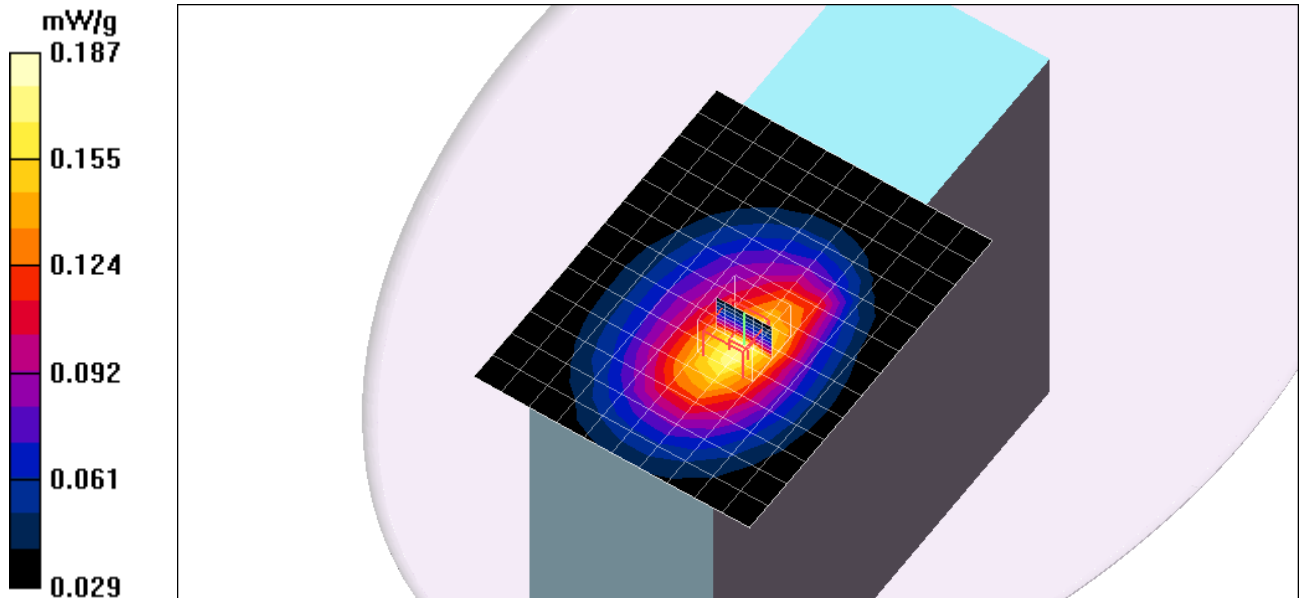
**GPRS\_2Slot\_M\_Ch /Zoom Scan (7x7x9)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=3mm

Reference Value = 13.5 V/m; Power Drift = -0.017 dB

Peak SAR (extrapolated) = 0.247 W/kg

**SAR(1 g) = 0.161 mW/g; SAR(10 g) = 0.110 mW/g**

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



Test Laboratory: UL CCS

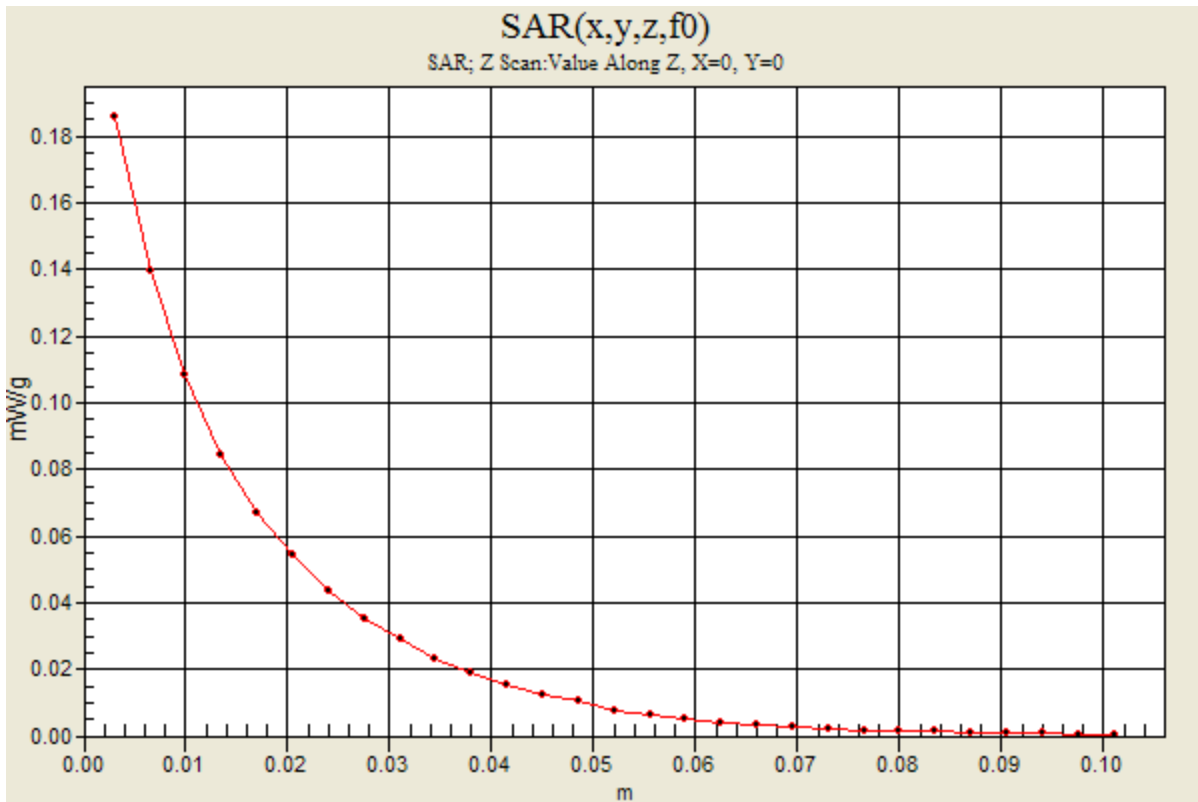
## Secondary Landscape\_GPRS850

DUT: Panasonic; Type: N/A; Serial: N/A

Communication System: GSM850; Frequency: 836.6 MHz; Duty Cycle: 1:4

**GPRS\_2Slot\_M\_Ch /Z Scan (1x1x29):** Measurement grid: dx=20mm, dy=20mm, dz=3.5mm.

Maximum value of SAR (measured) = 0.186 mW/g



Test Laboratory: UL CCS

## Primary Portrait Portrait

DUT: Panasonic; Type: N/A; Serial: N/A

Communication System: GSM850; Frequency: 836.6 MHz; Duty Cycle: 1:4  
Medium parameters used (interpolated):  $f = 836.6$  MHz;  $\sigma = 0.984$  mho/m;  $\epsilon_r = 53.6$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Phantom section: Flat Section

Room Ambient Temperature: 23.0 deg. C; Liquid Temperature: 22.0 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 - SN3749; ConvF(8.79, 8.79, 8.79); Calibrated: 12/13/2010
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn427; Calibrated: 7/21/2010
- Phantom: Flat Phantom ELI4.0; Type: QDOVA001BA; Serial: SN:1003
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

**GPRS\_2Slot\_M\_Ch /Area Scan (9x21x1):** Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 0.790 mW/g

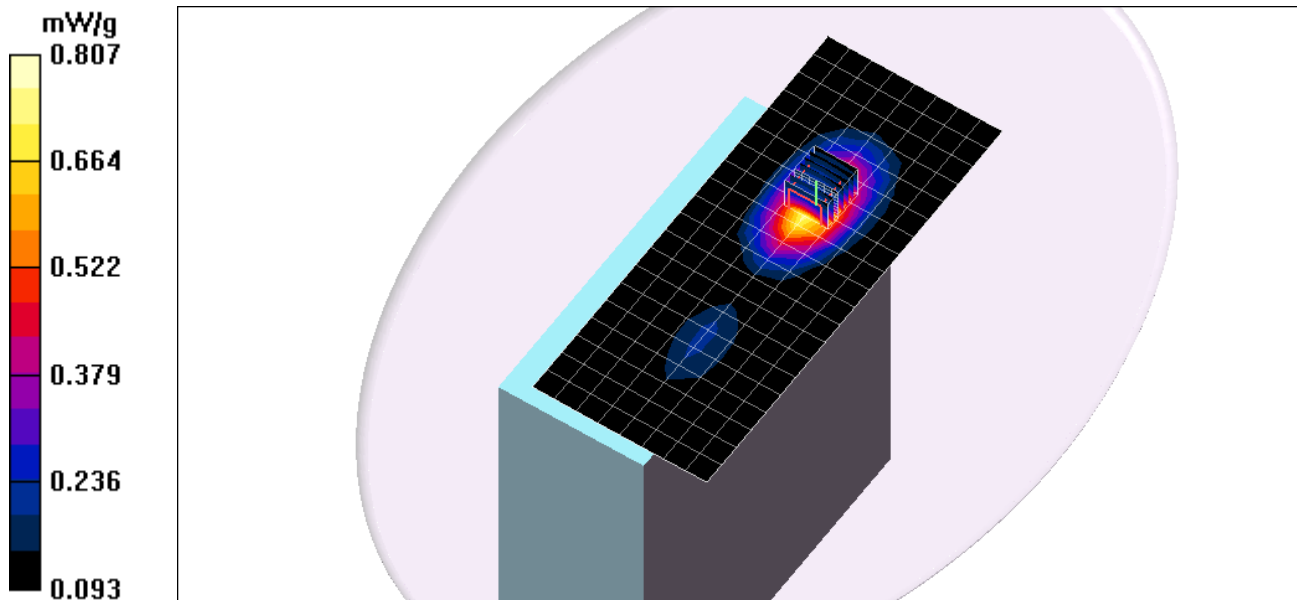
**GPRS\_2Slot\_M\_Ch /Zoom Scan (7x7x9)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=3mm

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

Peak SAR (extrapolated) = 1.04 W/kg

**SAR(1 g) = 0.691 mW/g; SAR(10 g) = 0.460 mW/g**

Maximum value of SAR (measured) = 0.807 mW/g



Test Laboratory: UL CCS

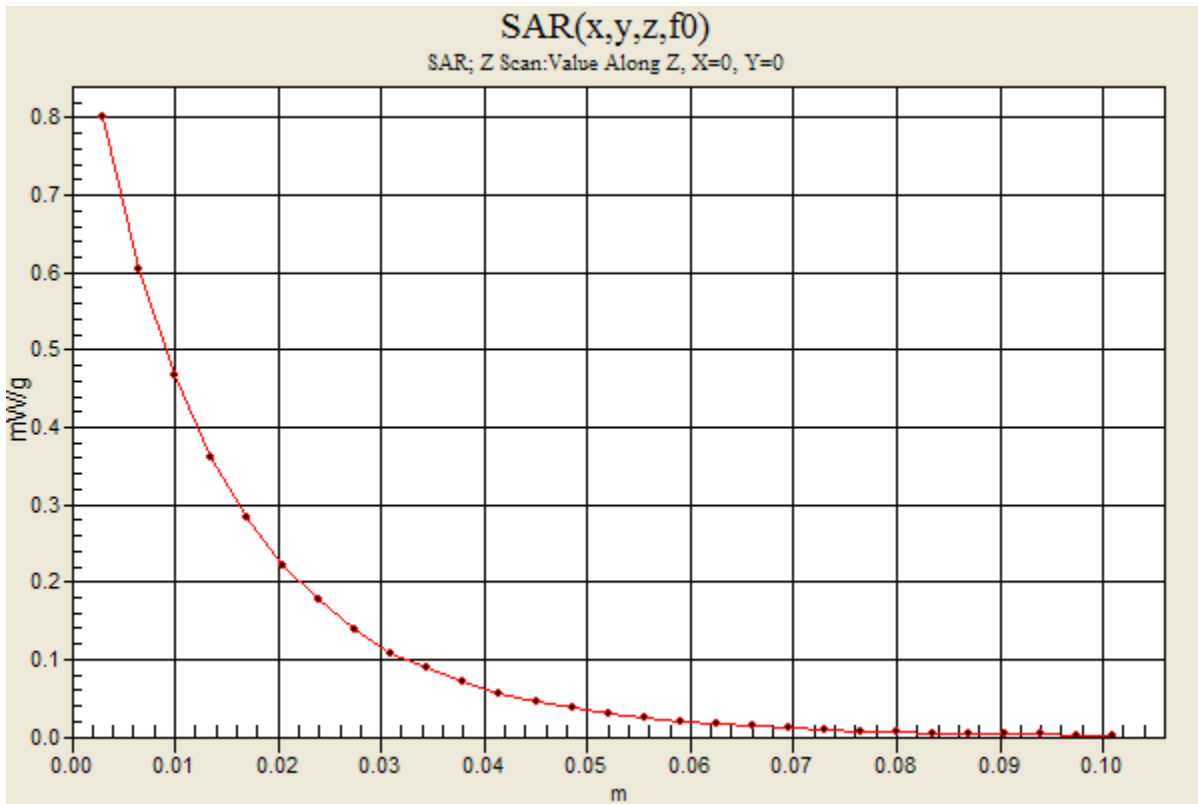
## Primary Portrait Portrait

DUT: Panasonic; Type: N/A; Serial: N/A

Communication System: GSM850; Frequency: 836.6 MHz; Duty Cycle: 1:4

**GPRS\_2Slot\_M\_Ch /Z Scan (1x1x29):** Measurement grid: dx=20mm, dy=20mm, dz=3.5mm

Maximum value of SAR (measured) = 0.801 mW/g



Test Laboratory: UL CCS

## Bottom Face

DUT: Panasonic; Type: N/A; Serial: N/A

Communication System: CDMA Cell Band; Frequency: 836.52 MHz; Duty Cycle: 1:1  
Medium parameters used (interpolated):  $f = 836.52$  MHz;  $\sigma = 0.984$  mho/m;  $\epsilon_r = 53.6$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Phantom section: Flat Section

Room Ambient Temperature: 23.0 deg. C; Liquid Temperature: 22.0 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 - SN3749; ConvF(8.79, 8.79, 8.79); Calibrated: 12/13/2010
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn427; Calibrated: 7/21/2010
- Phantom: Flat Phantom ELI4.0; Type: QDOVA001BA; Serial: SN:1003
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

**CDMA2000\_M\_Ch/Area Scan (13x11x1):** Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 0.080 mW/g

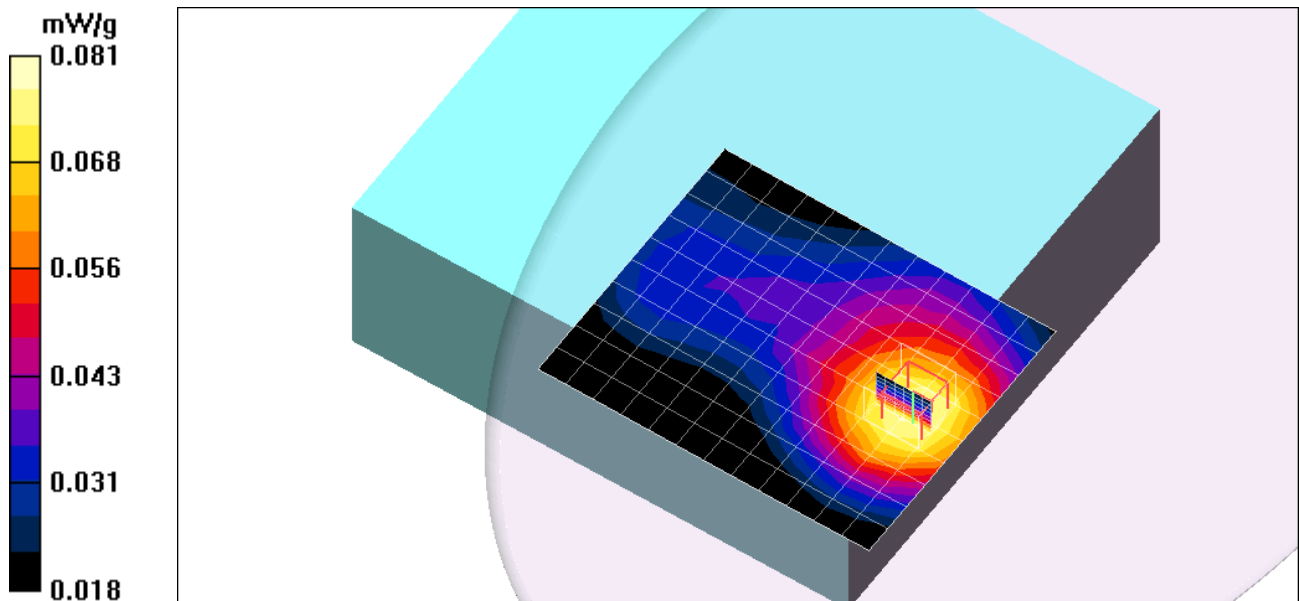
**CDMA2000\_M\_Ch/Zoom Scan (7x7x9)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=3mm

Reference Value = 9.00 V/m; Power Drift = -0.013 dB

Peak SAR (extrapolated) = 0.097 W/kg

**SAR(1 g) = 0.072 mW/g; SAR(10 g) = 0.054 mW/g**

Maximum value of SAR (measured) = 0.081 mW/g



Test Laboratory: UL CCS

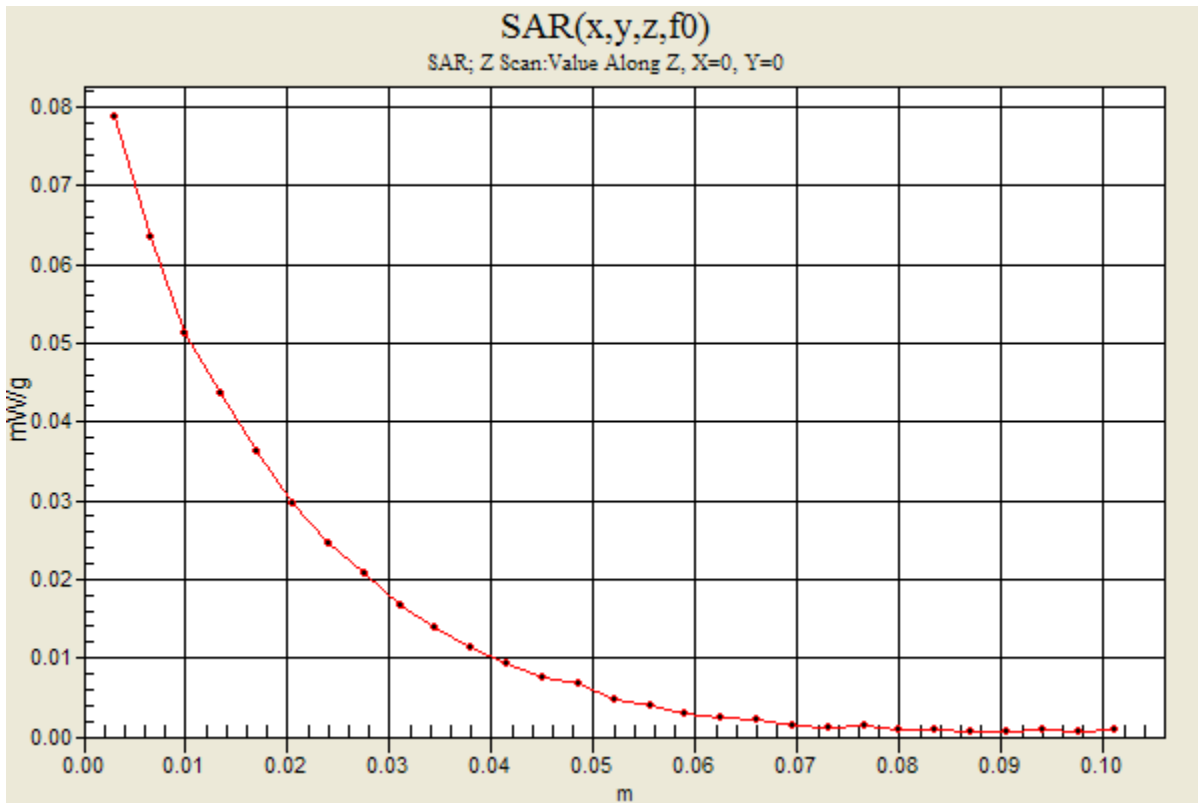
### Bottom Face

DUT: Panasonic; Type: N/A; Serial: N/A

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

**CDMA2000\_M\_Ch/Z Scan (1x1x29):** Measurement grid: dx=20mm, dy=20mm, dz=3.5mm

Maximum value of SAR (measured) = 0.079 mW/g





Test Laboratory: UL CCS

## Secondary Landscape

DUT: Panasonic; Type: N/A; Serial: N/A

Communication System: CDMA Cell Band; Frequency: 836.52 MHz; Duty Cycle: 1:1  
Medium parameters used (interpolated):  $f = 836.52$  MHz;  $\sigma = 0.984$  mho/m;  $\epsilon_r = 53.6$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Phantom section: Flat Section

Room Ambient Temperature: 23.0 deg. C; Liquid Temperature: 22.0 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 - SN3749; ConvF(8.79, 8.79, 8.79); Calibrated: 12/13/2010
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn427; Calibrated: 7/21/2010
- Phantom: Flat Phantom ELI4.0; Type: QDOVA001BA; Serial: SN:1003
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

**CDMA2000 Cell Band\_M\_Ch/Area Scan (11x15x1):** Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 0.120 mW/g

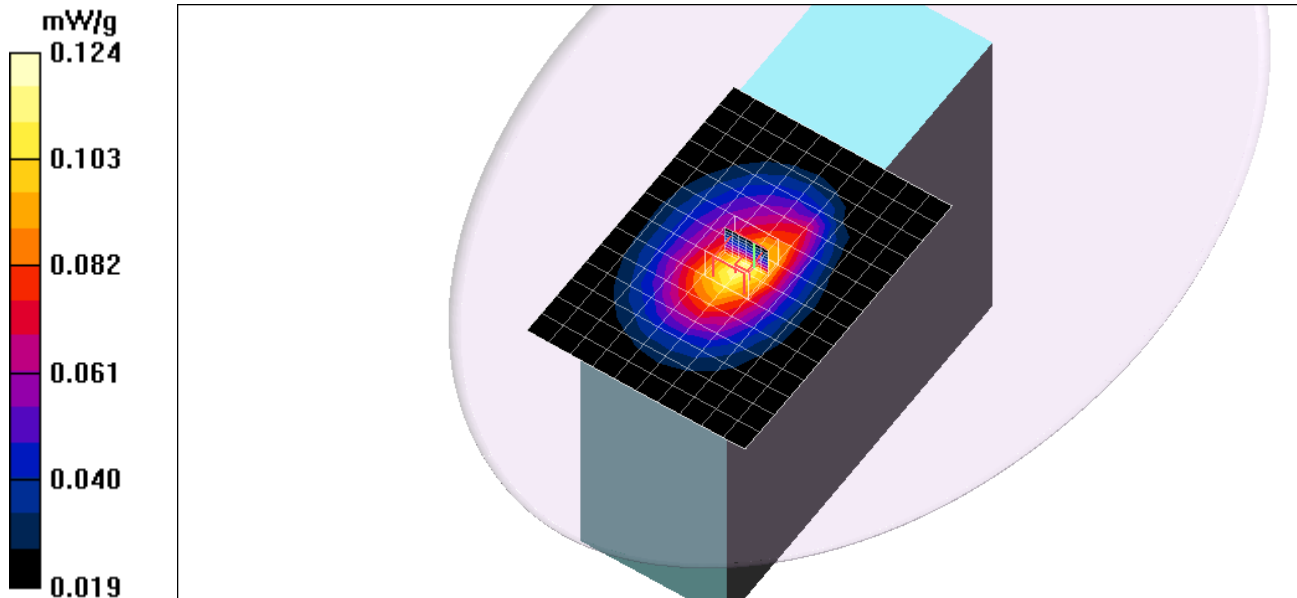
**CDMA2000 Cell Band\_M\_Ch/Zoom Scan (7x7x9)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=3mm

Reference Value = 11.1 V/m; Power Drift = -0.012 dB

Peak SAR (extrapolated) = 0.164 W/kg

**SAR(1 g) = 0.106 mW/g; SAR(10 g) = 0.072 mW/g**

Maximum value of SAR (measured) = 0.124 mW/g



Test Laboratory: UL CCS

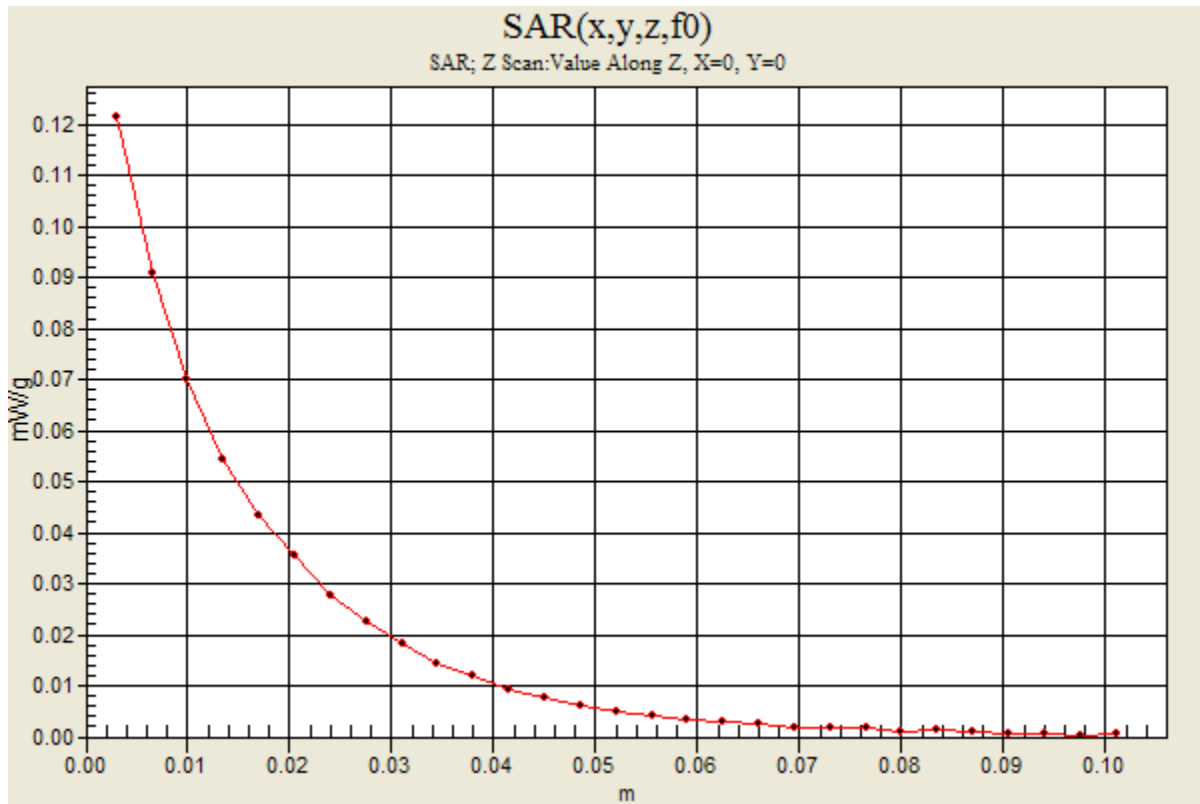
## Secondary Landscape

DUT: Panasonic; Type: N/A; Serial: N/A

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

**CDMA2000 Cell Band\_M\_Ch/Z Scan (1x1x29):** Measurement grid: dx=20mm, dy=20mm, dz=3.5mm

Maximum value of SAR (measured) = 0.121 mW/g



Test Laboratory: UL CCS

## Primary Protrait

DUT: Panasonic; Type: N/A; Serial: N/A

Communication System: CDMA Cell Band; Frequency: 836.52 MHz; Duty Cycle: 1:1  
Medium parameters used (interpolated):  $f = 836.52$  MHz;  $\sigma = 0.984$  mho/m;  $\epsilon_r = 53.6$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Phantom section: Flat Section

Room Ambient Temperature: 23.0 deg. C; Liquid Temperature: 22.0 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 - SN3749; ConvF(8.79, 8.79, 8.79); Calibrated: 12/13/2010
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn427; Calibrated: 7/21/2010
- Phantom: Flat Phantom ELI4.0; Type: QDOVA001BA; Serial: SN:1003
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

**CDMA2000 Cell Band\_M\_Ch/Area Scan (11x19x1):** Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 0.467 mW/g

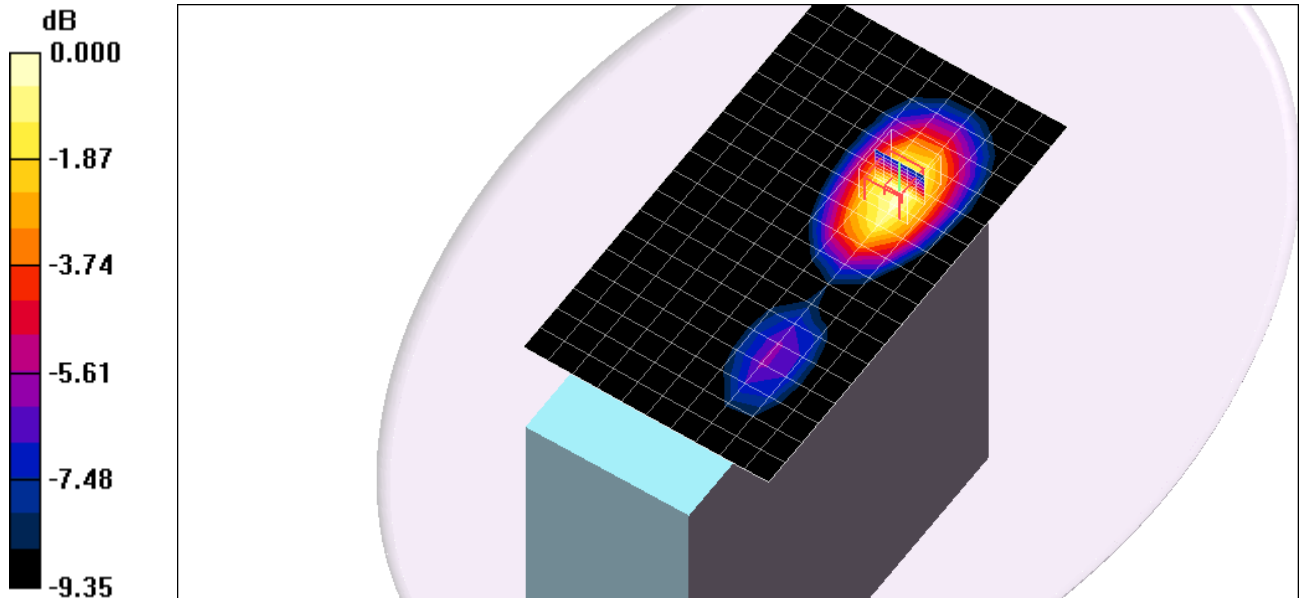
**CDMA2000 Cell Band\_M\_Ch/Zoom Scan (7x7x9)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=3mm

Reference Value = 21.9 V/m; Power Drift = 0.018 dB

Peak SAR (extrapolated) = 0.656 W/kg

**SAR(1 g) = 0.423 mW/g; SAR(10 g) = 0.279 mW/g**

Maximum value of SAR (measured) = 0.497 mW/g



0 dB = 0.497mW/g

Test Laboratory: UL CCS

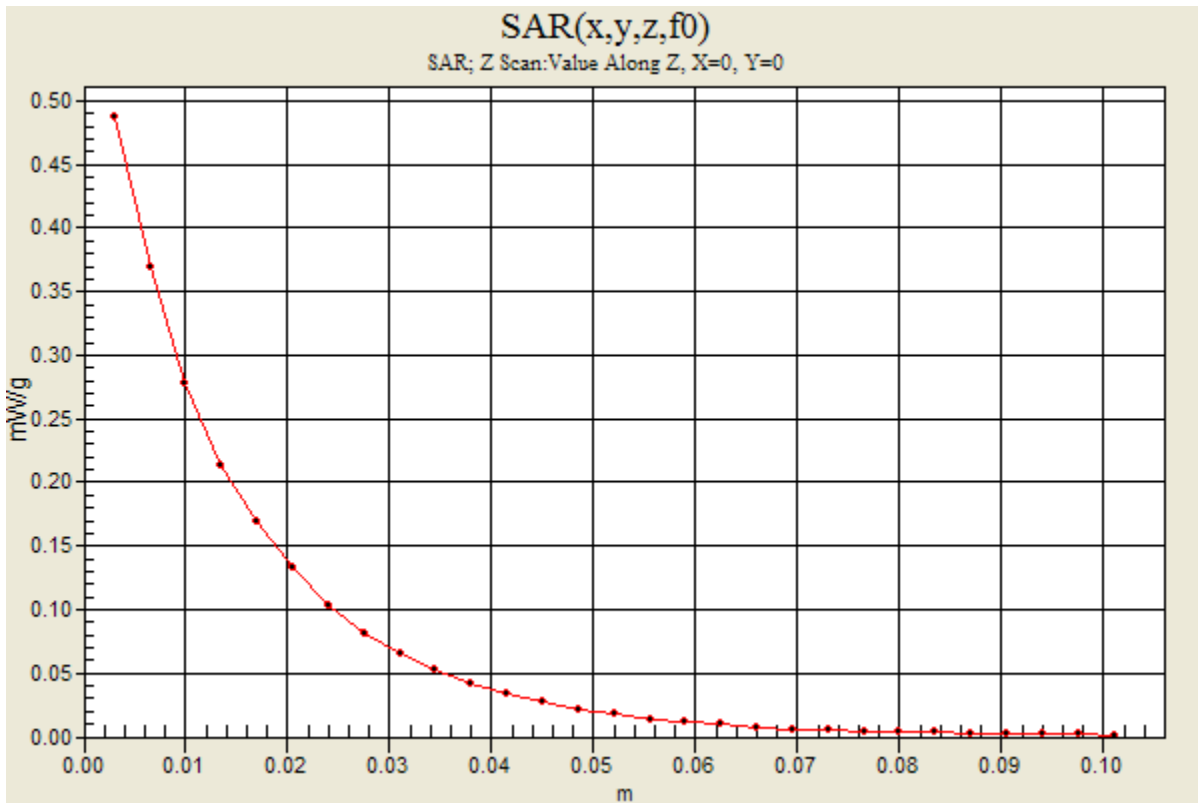
## Primary Portrait

DUT: Panasonic; Type: N/A; Serial: N/A

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

**CDMA2000 Cell Band\_M\_Ch/Z Scan (1x1x29):** Measurement grid: dx=20mm, dy=20mm, dz=3.5mm

Maximum value of SAR (measured) = 0.487 mW/g



Test Laboratory: UL CCS

## Bottom Face

DUT: Panasonic; Type: N/A; Serial: N/A

Communication System: UMTS Band V; Frequency: 836.6 MHz; Duty Cycle: 1:1  
Medium parameters used (interpolated):  $f = 836.6$  MHz;  $\sigma = 0.984$  mho/m;  $\epsilon_r = 53.6$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Phantom section: Flat Section

Room Ambient Temperature: 23.0 deg. C; Liquid Temperature: 22.0 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 - SN3749; ConvF(8.79, 8.79, 8.79); Calibrated: 12/13/2010
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn427; Calibrated: 7/21/2010
- Phantom: Flat Phantom ELI4.0; Type: QDOVA001BA; Serial: SN:1003
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

**UMTS Band V\_M ch/Area Scan (13x11x1):** Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 0.076 mW/g

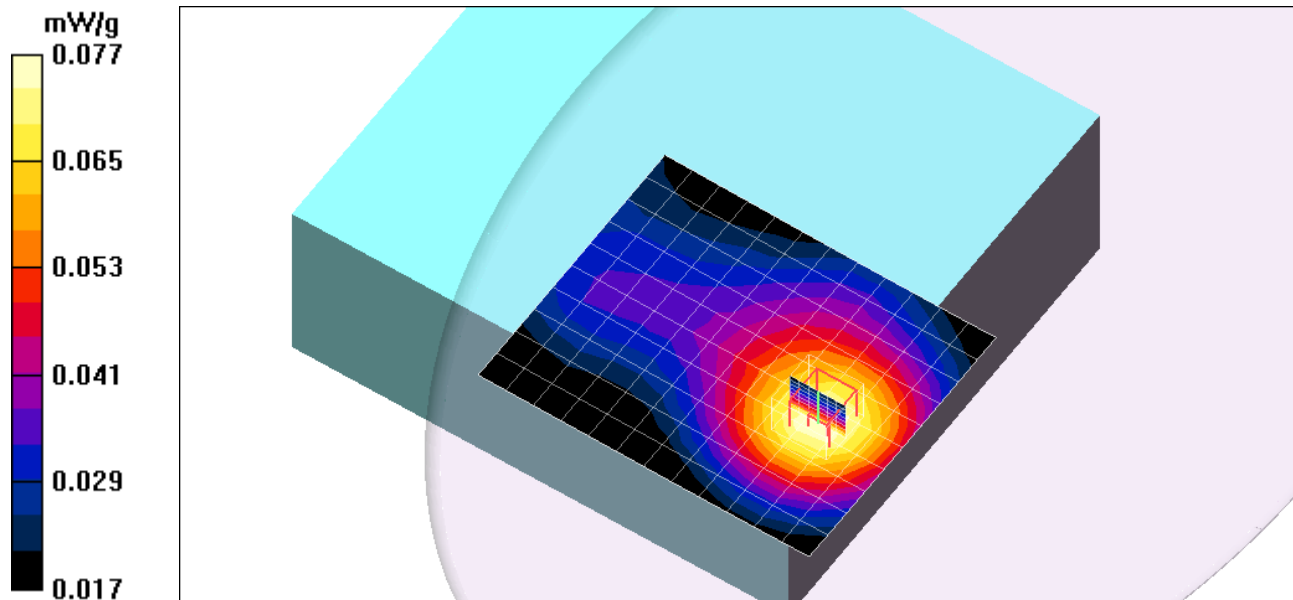
**UMTS Band V\_M ch/Zoom Scan (7x7x9)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=3mm

Reference Value = 8.76 V/m; Power Drift = -0.014 dB

Peak SAR (extrapolated) = 0.092 W/kg

**SAR(1 g) = 0.070 mW/g; SAR(10 g) = 0.052 mW/g**

Maximum value of SAR (measured) = 0.077 mW/g



Test Laboratory: UL CCS

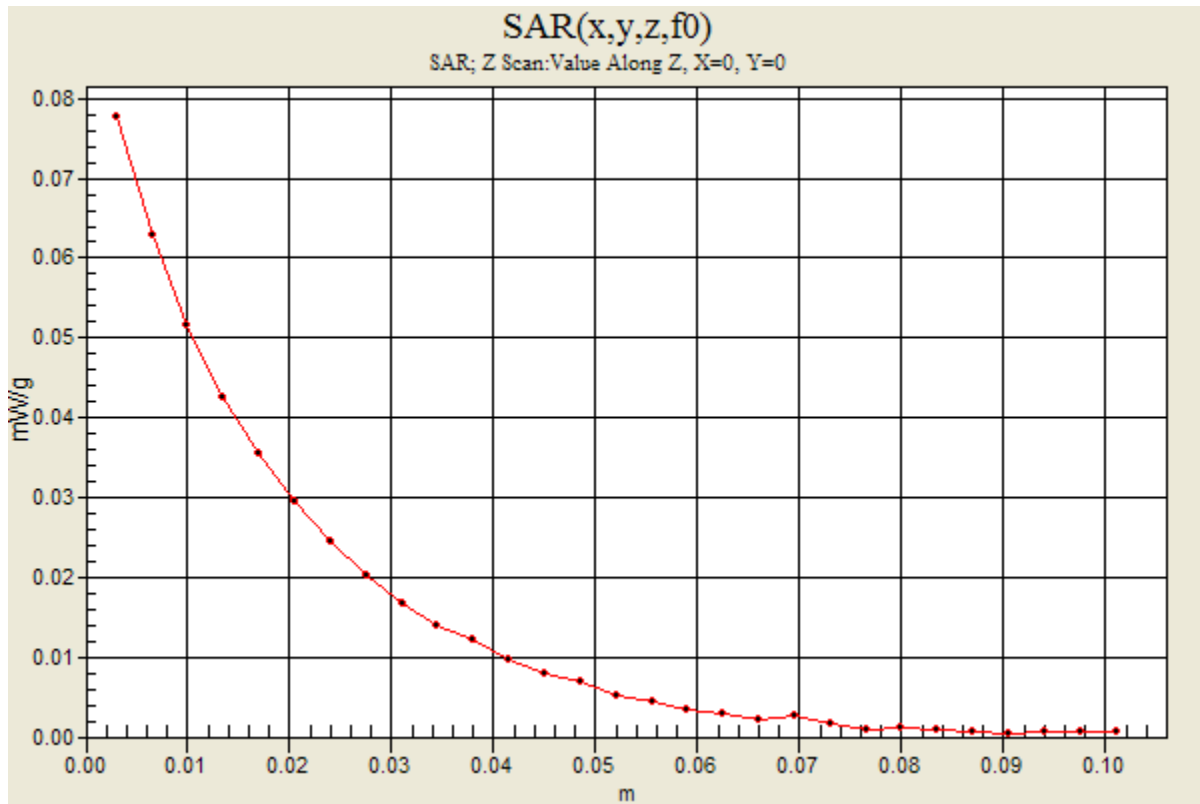
## Bottom Face

DUT: Panasonic; Type: N/A; Serial: N/A

Communication System: UMTS Band V; Frequency: 836.6 MHz; Duty Cycle: 1:1

**UMTS Band V\_M ch/Z Scan (1x1x29):** Measurement grid: dx=20mm, dy=20mm, dz=3.5mm

Maximum value of SAR (measured) = 0.078 mW/g



Test Laboratory: UL CCS

## Secondary Landscape

DUT: Panasonic; Type: N/A; Serial: N/A

Communication System: UMTS Band V; Frequency: 836.6 MHz; Duty Cycle: 1:1  
Medium parameters used (interpolated):  $f = 836.6$  MHz;  $\sigma = 0.984$  mho/m;  $\epsilon_r = 53.6$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Phantom section: Flat Section

Room Ambient Temperature: 23.0 deg. C; Liquid Temperature: 22.0 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 - SN3749; ConvF(8.79, 8.79, 8.79); Calibrated: 12/13/2010
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn427; Calibrated: 7/21/2010
- Phantom: Flat Phantom ELI4.0; Type: QDOVA001BA; Serial: SN:1003
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

**UMTS Band V\_M\_Ch/Area Scan (11x14x1):** Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 0.143 mW/g

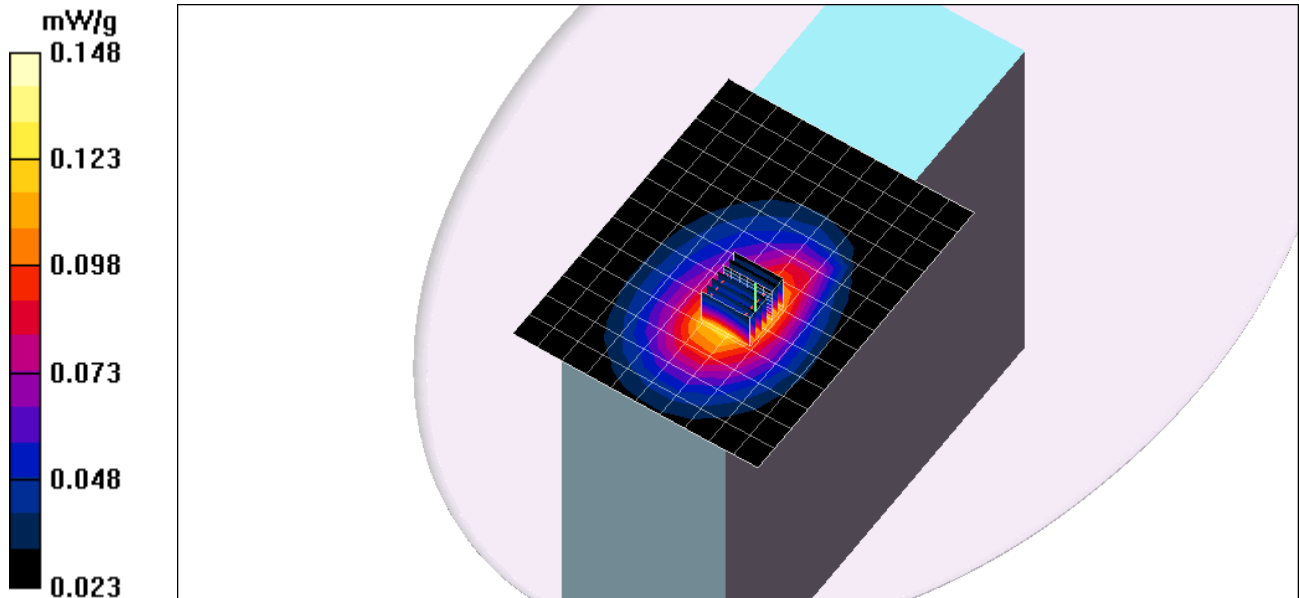
**UMTS Band V\_M\_Ch /Zoom Scan (7x7x9)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=3mm

Reference Value = 12.3 V/m; Power Drift = -0.015 dB

Peak SAR (extrapolated) = 0.198 W/kg

**SAR(1 g) = 0.128 mW/g; SAR(10 g) = 0.088 mW/g**

Maximum value of SAR (measured) = 0.148 mW/g



Test Laboratory: UL CCS

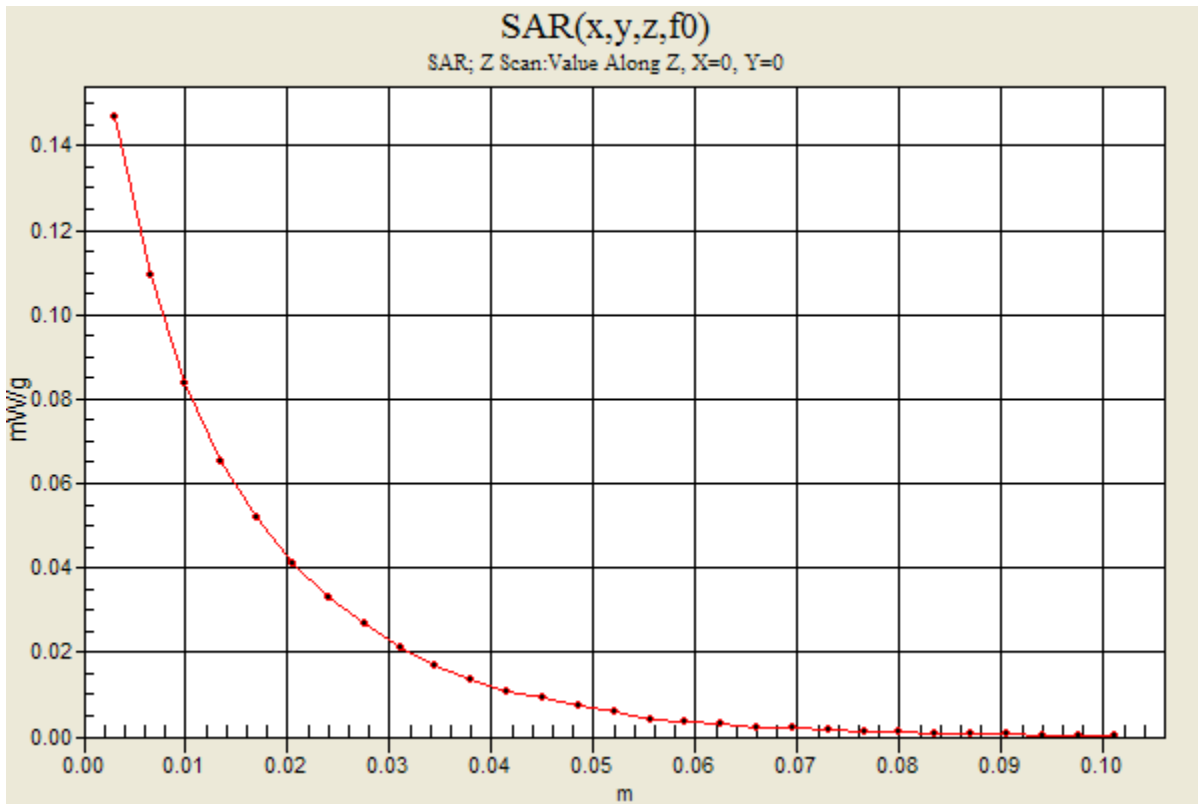
## Secondary Landscape

DUT: Panasonic; Type: N/A; Serial: N/A

Communication System: UMTS Band V; Frequency: 836.6 MHz; Duty Cycle: 1:1

**UMTS Band V\_M\_Ch /Z Scan (1x1x29):** Measurement grid: dx=20mm, dy=20mm, dz=3.5mm

Maximum value of SAR (measured) = 0.147 mW/g





Test Laboratory: UL CCS

## Primary Portrait Portrait

DUT: Panasonic; Type: N/A; Serial: N/A

Communication System: UMTS Band V; Frequency: 836.6 MHz; Duty Cycle: 1:1  
Medium parameters used (interpolated):  $f = 836.6$  MHz;  $\sigma = 0.984$  mho/m;  $\epsilon_r = 53.6$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Phantom section: Flat Section

Room Ambient Temperature: 23.0 deg. C; Liquid Temperature: 22.0 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 - SN3749; ConvF(8.79, 8.79, 8.79); Calibrated: 12/13/2010
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn427; Calibrated: 7/21/2010
- Phantom: Flat Phantom ELI4.0; Type: QDOVA001BA; Serial: SN:1003
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

**UMTS Band V\_M\_Ch/Area Scan (9x21x1):** Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 0.506 mW/g

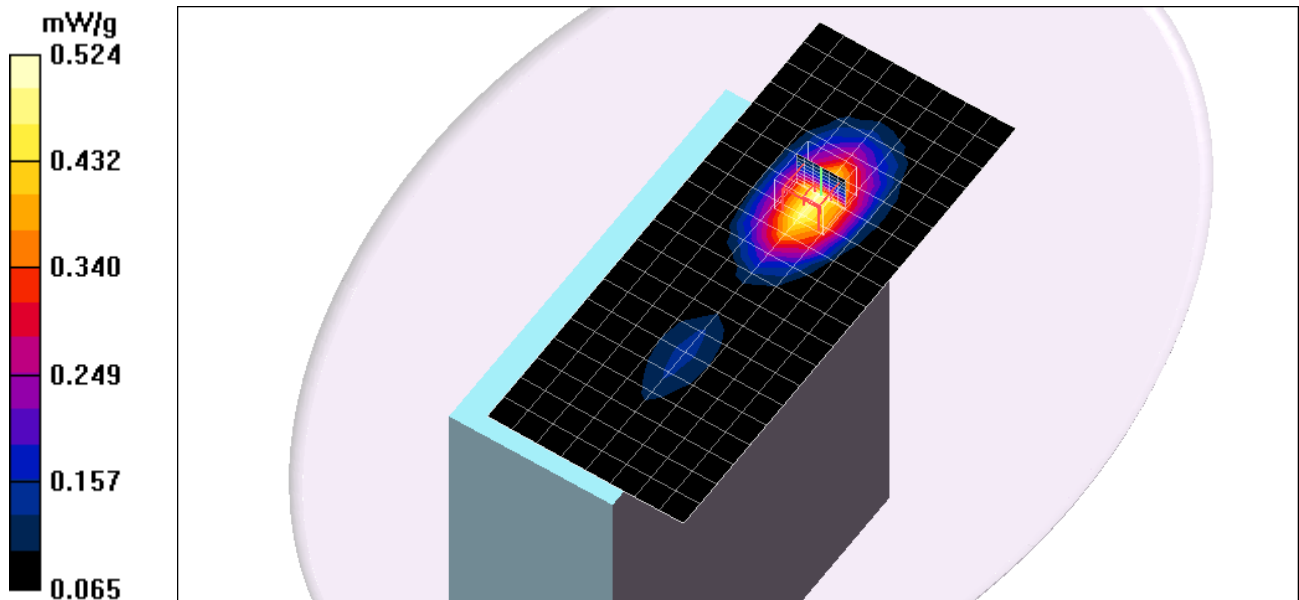
**UMTS Band V\_M\_Ch/Zoom Scan (7x7x9)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=3mm

Reference Value = 22.7 V/m; Power Drift = -0.019 dB

Peak SAR (extrapolated) = 0.689 W/kg

**SAR(1 g) = 0.452 mW/g; SAR(10 g) = 0.303 mW/g**

Maximum value of SAR (measured) = 0.524 mW/g



Test Laboratory: UL CCS

## Primary Portrait Portrait

DUT: Panasonic; Type: N/A; Serial: N/A

Communication System: UMTS Band V; Frequency: 836.6 MHz; Duty Cycle: 1:1

**UMTS Band V\_M\_Ch/Z Scan (1x1x29):** Measurement grid: dx=20mm, dy=20mm, dz=3.5mm.

Maximum value of SAR (measured) = 0.516 mW/g

