

### P01 802.11b\_Horizontal Up\_0.5cm\_Ch11

**DUT: 111124E02**

Communication System: 802.11b; Frequency: 2462 MHz; Duty Cycle: 1:1

Medium: B2450\_1215 Medium parameters used:  $f = 2462$  MHz;  $\sigma = 1.98$  mho/m;  $\epsilon_r = 51.3$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature : 21.3 °C ; Liquid Temperature : 20.9 °C

DASY4 Configuration:

- Probe: EX3DV4 - SN3650; ConvF(6.89, 6.89, 6.89); Calibrated: 2011/10/26
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1277; Calibrated: 2011/07/29
- Phantom: SAM Phantom\_Left; Type: SAM V4.0; Serial: TP 1652
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

**Ch11/Area Scan (41x31x1):** Measurement grid: dx=20mm, dy=20mm

Maximum value of SAR (interpolated) = 0.139 mW/g

**Ch11/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 4.85 V/m; Power Drift = 0.137 dB

Peak SAR (extrapolated) = 0.196 W/kg

**SAR(1 g) = 0.098 mW/g; SAR(10 g) = 0.048 mW/g**

Maximum value of SAR (measured) = 0.144 mW/g

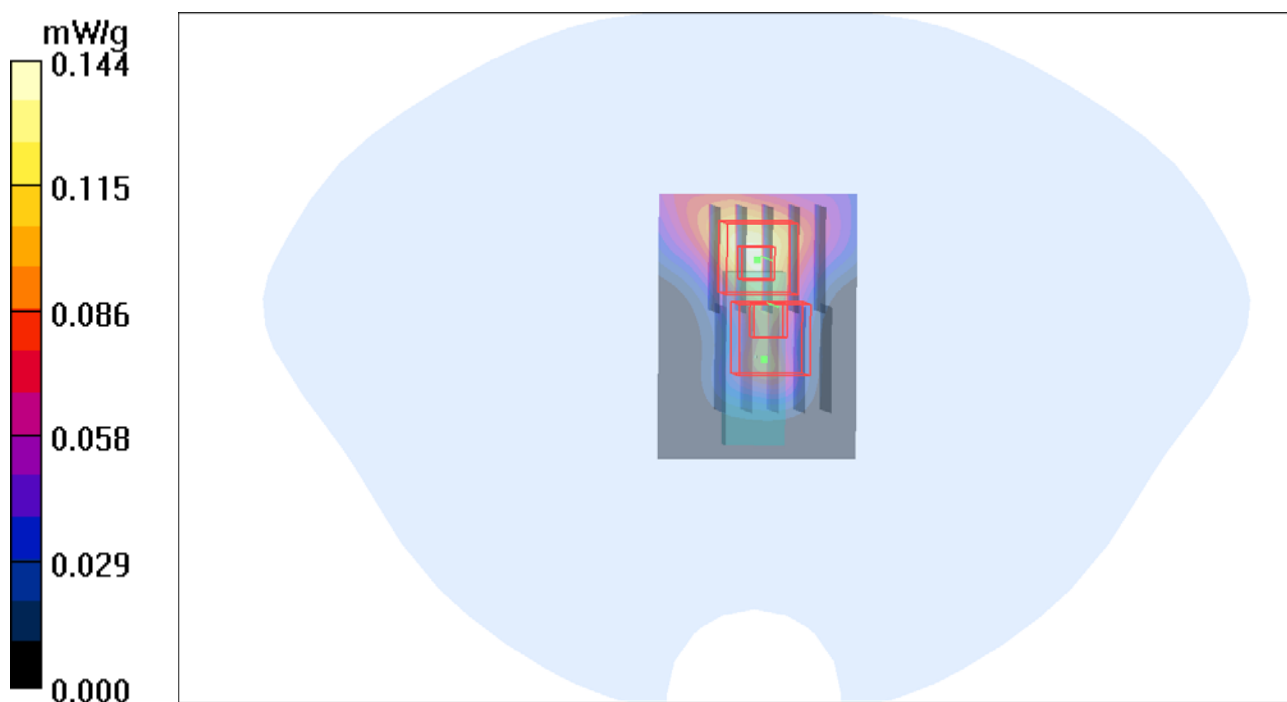
**Ch11/Zoom Scan (5x5x7)/Cube 1:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 4.85 V/m; Power Drift = 0.137 dB

Peak SAR (extrapolated) = 0.133 W/kg

**SAR(1 g) = 0.055 mW/g; SAR(10 g) = 0.022 mW/g**

Maximum value of SAR (measured) = 0.106 mW/g



## P02 802.11b\_Horizontal Down\_0.5cm\_Ch11

**DUT: 111124E02**

Communication System: 802.11b; Frequency: 2462 MHz; Duty Cycle: 1:1

Medium: B2450\_1215 Medium parameters used:  $f = 2462$  MHz;  $\sigma = 1.98$  mho/m;  $\epsilon_r = 51.3$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature : 21.3 °C; Liquid Temperature : 20.9 °C

DASY4 Configuration:

- Probe: EX3DV4 - SN3650; ConvF(6.89, 6.89, 6.89); Calibrated: 2011/10/26
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1277; Calibrated: 2011/07/29
- Phantom: SAM Phantom\_Left; Type: SAM V4.0; Serial: TP 1652
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

**Ch11/Area Scan (41x31x1):** Measurement grid: dx=20mm, dy=20mm

Maximum value of SAR (interpolated) = 0.539 mW/g

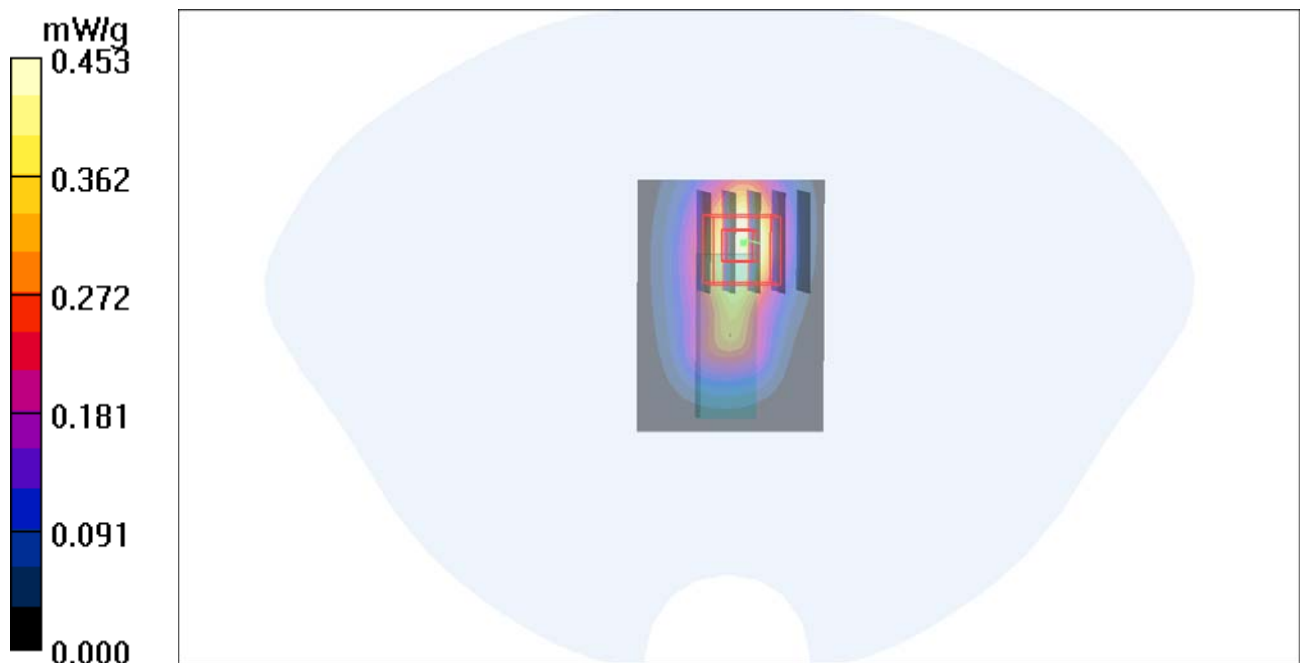
**Ch11/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 12.3 V/m; Power Drift = -0.15 dB

Peak SAR (extrapolated) = 0.638 W/kg

**SAR(1 g) = 0.322 mW/g; SAR(10 g) = 0.157 mW/g**

Maximum value of SAR (measured) = 0.453 mW/g



### P03 802.11b\_Vertical Front\_0.5cm\_Ch11

**DUT: 111124E02**

Communication System: 802.11b; Frequency: 2462 MHz; Duty Cycle: 1:1

Medium: B2450\_1215 Medium parameters used:  $f = 2462$  MHz;  $\sigma = 1.98$  mho/m;  $\epsilon_r = 51.3$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature : 21.3 °C ; Liquid Temperature : 20.9 °C

DASY4 Configuration:

- Probe: EX3DV4 - SN3650; ConvF(6.89, 6.89, 6.89); Calibrated: 2011/10/26
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1277; Calibrated: 2011/07/29
- Phantom: SAM Phantom\_Left; Type: SAM V4.0; Serial: TP 1652
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

**Ch11/Area Scan (41x31x1):** Measurement grid: dx=20mm, dy=20mm

Maximum value of SAR (interpolated) = 0.018 mW/g

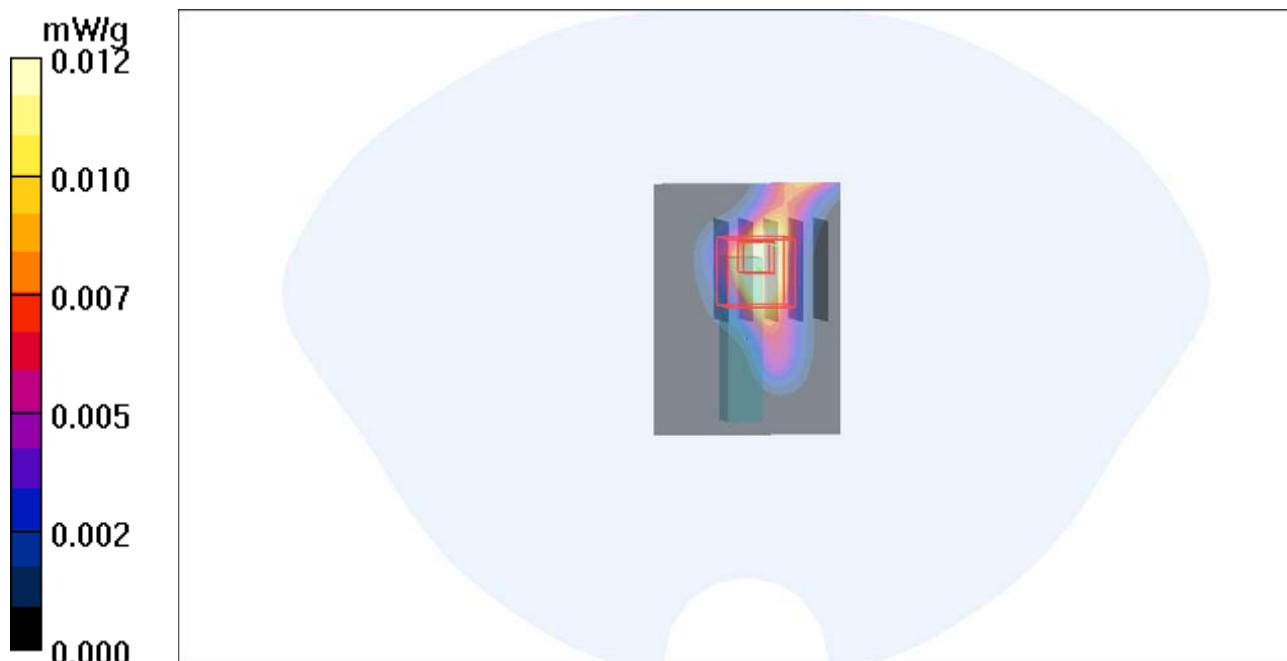
**Ch11/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 2.90 V/m; Power Drift = -0.16 dB

Peak SAR (extrapolated) = 0.029 W/kg

**SAR(1 g) = 0.00496 mW/g; SAR(10 g) = 0.00135 mW/g**

Maximum value of SAR (measured) = 0.012 mW/g



### P04 802.11b\_Vertical Back\_0.5cm\_Ch11

**DUT: 111124E02**

Communication System: 802.11b; Frequency: 2462 MHz; Duty Cycle: 1:1

Medium: B2450\_1215 Medium parameters used:  $f = 2462$  MHz;  $\sigma = 1.98$  mho/m;  $\epsilon_r = 51.3$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature : 21.3 °C ; Liquid Temperature : 20.9 °C

DASY4 Configuration:

- Probe: EX3DV4 - SN3650; ConvF(6.89, 6.89, 6.89); Calibrated: 2011/10/26
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1277; Calibrated: 2011/07/29
- Phantom: SAM Phantom\_Left; Type: SAM V4.0; Serial: TP 1652
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

**Ch11/Area Scan (41x31x1):** Measurement grid: dx=20mm, dy=20mm

Maximum value of SAR (interpolated) = 0.159 mW/g

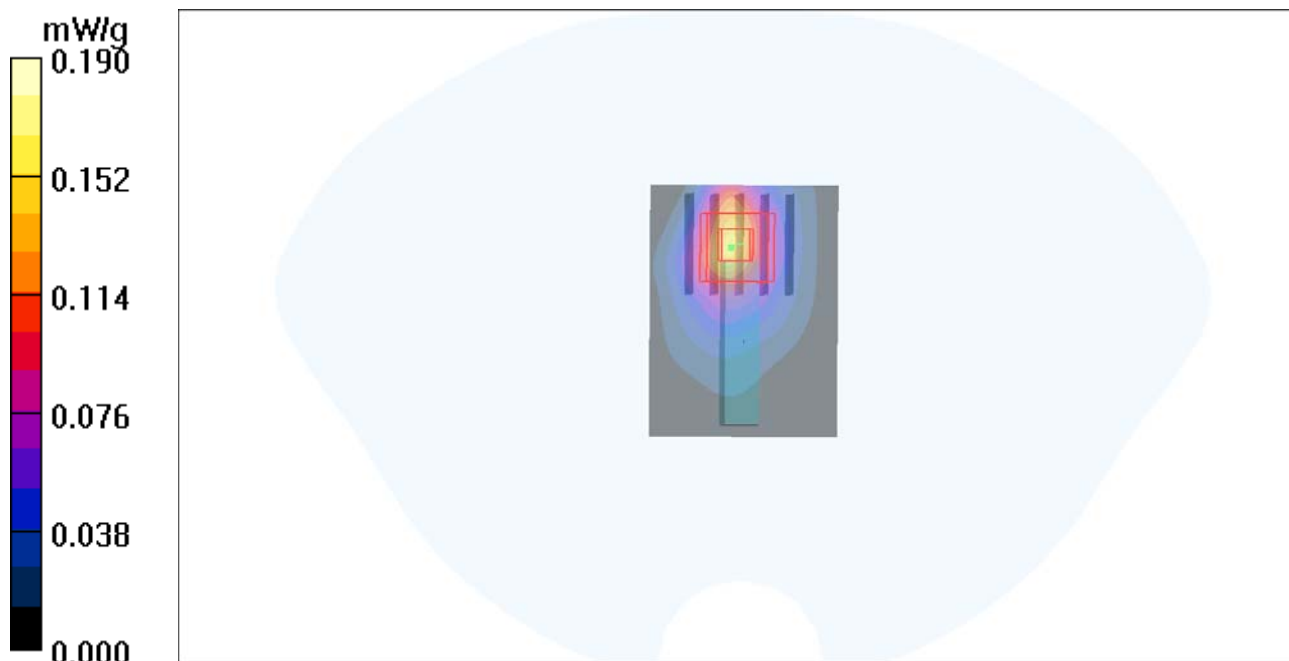
**Ch11/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 4.82 V/m; Power Drift = -0.185 dB

Peak SAR (extrapolated) = 0.256 W/kg

**SAR(1 g) = 0.124 mW/g; SAR(10 g) = 0.058 mW/g**

Maximum value of SAR (measured) = 0.190 mW/g



## P05 802.11b\_Tip Mode\_0.5cm\_Ch11

**DUT: 111124E02**

Communication System: 802.11b; Frequency: 2462 MHz; Duty Cycle: 1:1

Medium: B2450\_1215 Medium parameters used:  $f = 2462$  MHz;  $\sigma = 1.98$  mho/m;  $\epsilon_r = 51.3$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature : 21.3 °C ; Liquid Temperature : 20.9 °C

DASY4 Configuration:

- Probe: EX3DV4 - SN3650; ConvF(6.89, 6.89, 6.89); Calibrated: 2011/10/26
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1277; Calibrated: 2011/07/29
- Phantom: SAM Phantom\_Left; Type: SAM V4.0; Serial: TP 1652
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

**Ch11/Area Scan (31x31x1):** Measurement grid: dx=20mm, dy=20mm

Maximum value of SAR (interpolated) = 0.016 mW/g

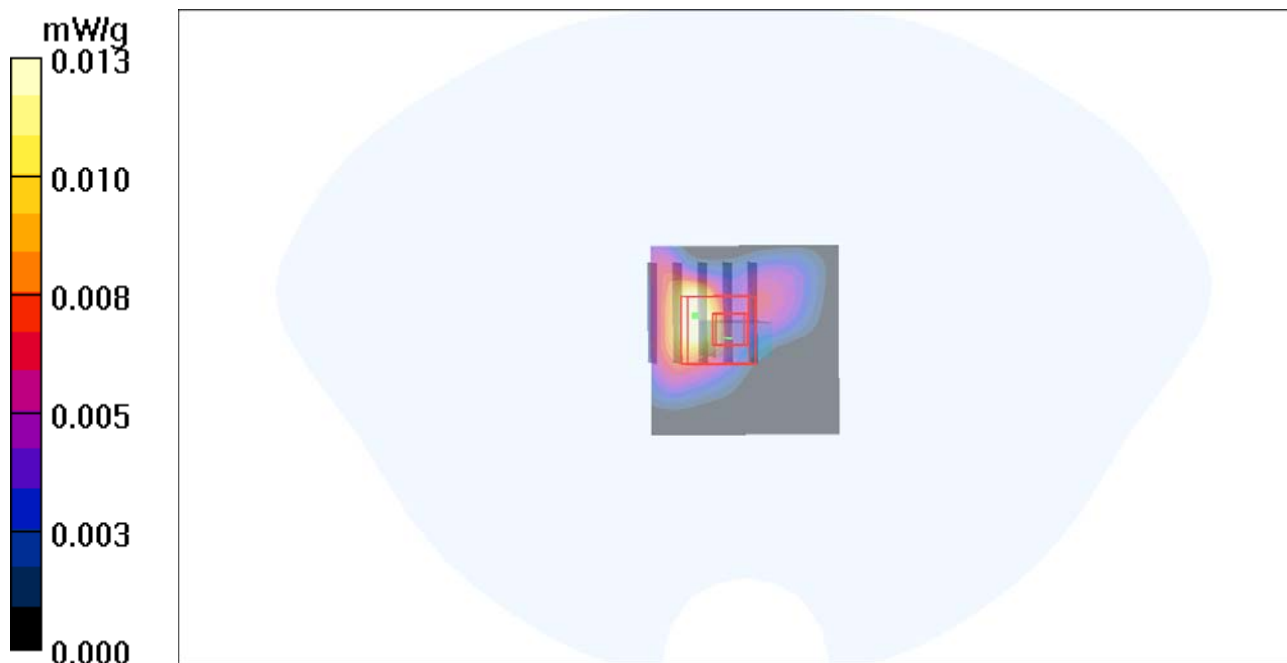
**Ch11/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 2.65 V/m; Power Drift = -0.142 dB

Peak SAR (extrapolated) = 0.019 W/kg

**SAR(1 g) = 0.00784 mW/g; SAR(10 g) = 0.00252 mW/g**

Maximum value of SAR (measured) = 0.013 mW/g



### P09 802.11g\_Horizontal Up\_0.5cm\_Ch06

**DUT: 111124E02**

Communication System: 802.11g; Frequency: 2437 MHz; Duty Cycle: 1:1

Medium: B2450\_0401 Medium parameters used:  $f = 2437$  MHz;  $\sigma = 1.96$  mho/m;  $\epsilon_r = 51$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature : 22.3 °C ; Liquid Temperature : 21.2 °C

DASY4 Configuration:

- Probe: EX3DV4 - SN3590; ConvF(7.8, 7.8, 7.8); Calibrated: 2012/02/23
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn861; Calibrated: 2011/08/29
- Phantom: SAM Phantom\_Left; Type: SAM V4.0; Serial: TP 1652
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

**Ch06/Area Scan (41x31x1):** Measurement grid: dx=20mm, dy=20mm

Maximum value of SAR (interpolated) = 0.166 mW/g

**Ch06/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 5.76 V/m; Power Drift = 0.120 dB

Peak SAR (extrapolated) = 0.273 W/kg

**SAR(1 g) = 0.141 mW/g; SAR(10 g) = 0.069 mW/g**

Maximum value of SAR (measured) = 0.195 mW/g

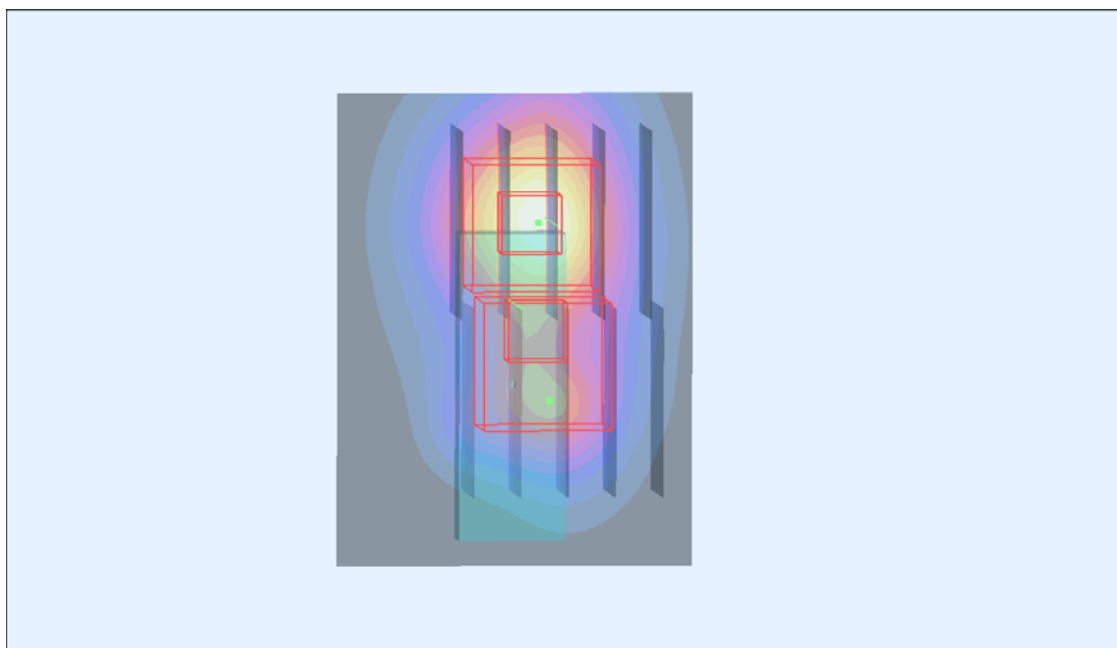
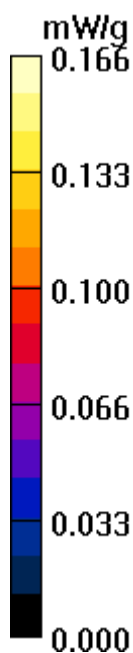
**Ch06/Zoom Scan (5x5x7)/Cube 1:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 5.76 V/m; Power Drift = 0.120 dB

Peak SAR (extrapolated) = 0.200 W/kg

**SAR(1 g) = 0.076 mW/g; SAR(10 g) = 0.033 mW/g**

Maximum value of SAR (measured) = 0.138 mW/g



## P06 802.11g\_Horizontal Down\_0.5cm\_Ch06

**DUT: 111124E02**

Communication System: 802.11g; Frequency: 2437 MHz; Duty Cycle: 1:1

Medium: B2450\_1215 Medium parameters used:  $f = 2437$  MHz;  $\sigma = 1.95$  mho/m;  $\epsilon_r = 51.4$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature : 21.3 °C ; Liquid Temperature : 20.9 °C

DASY4 Configuration:

- Probe: EX3DV4 - SN3650; ConvF(6.89, 6.89, 6.89); Calibrated: 2011/10/26
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1277; Calibrated: 2011/07/29
- Phantom: SAM Phantom\_Left; Type: SAM V4.0; Serial: TP 1652
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

**Ch06/Area Scan (41x31x1):** Measurement grid: dx=20mm, dy=20mm

Maximum value of SAR (interpolated) = 0.840 mW/g

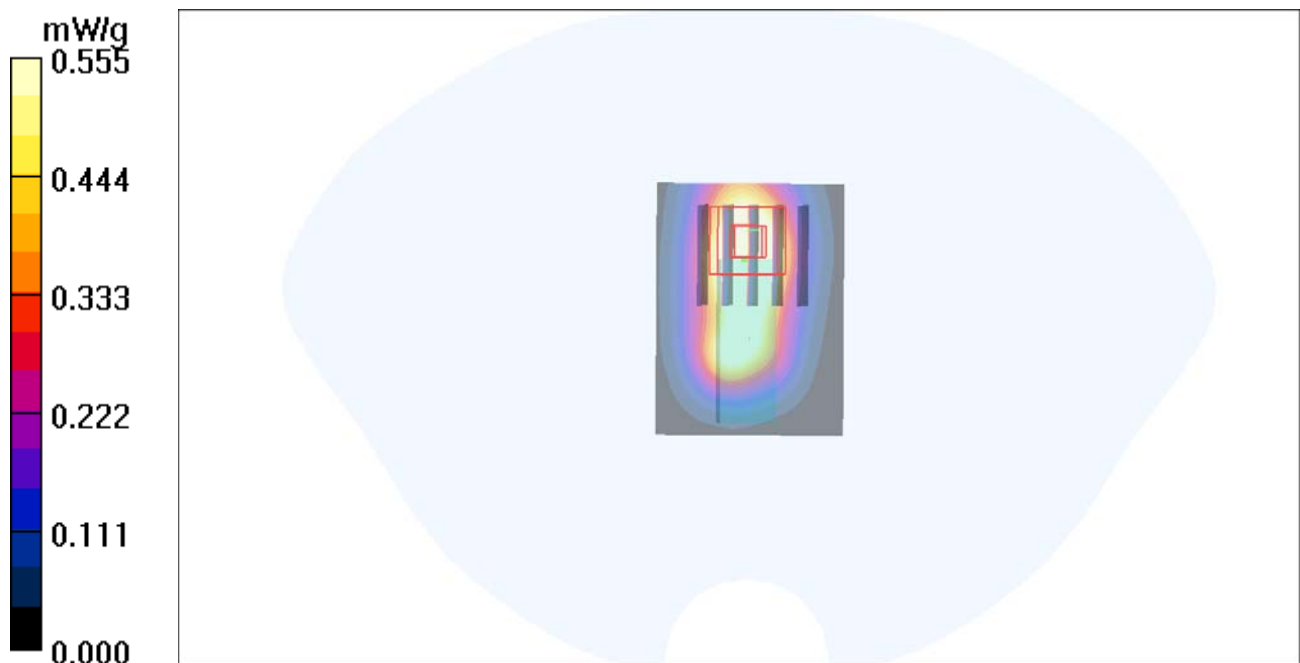
**Ch06/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 15.9 V/m; Power Drift = -0.18 dB

Peak SAR (extrapolated) = 0.751 W/kg

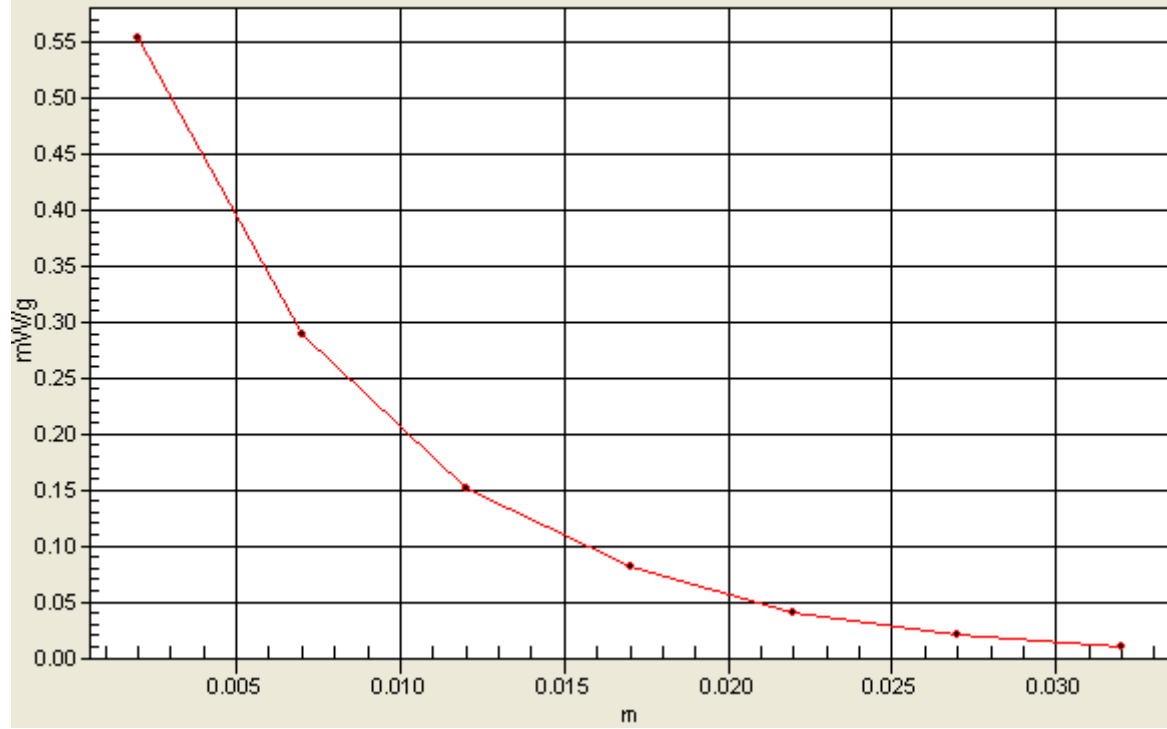
**SAR(1 g) = 0.382 mW/g; SAR(10 g) = 0.189 mW/g**

Maximum value of SAR (measured) = 0.555 mW/g



# 1g/10g Averaged SAR

SAR; Zoom Scan: Value Along Z, X=3, Y=2





## P10 802.11g\_Vertical Front\_0.5cm\_Ch06

### DUT: 111124E02

Communication System: 802.11g; Frequency: 2437 MHz; Duty Cycle: 1:1

Medium: B2450\_0401 Medium parameters used:  $f = 2437$  MHz;  $\sigma = 1.96$  mho/m;  $\epsilon_r = 51$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature : 22.3 °C ; Liquid Temperature : 21.2 °C

#### DASY4 Configuration:

- Probe: EX3DV4 - SN3590; ConvF(7.8, 7.8, 7.8); Calibrated: 2012/02/23
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn861; Calibrated: 2011/08/29
- Phantom: SAM Phantom\_Left; Type: SAM V4.0; Serial: TP 1652
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

**Ch06/Area Scan (41x31x1):** Measurement grid: dx=20mm, dy=20mm

Maximum value of SAR (interpolated) = 0.030 mW/g

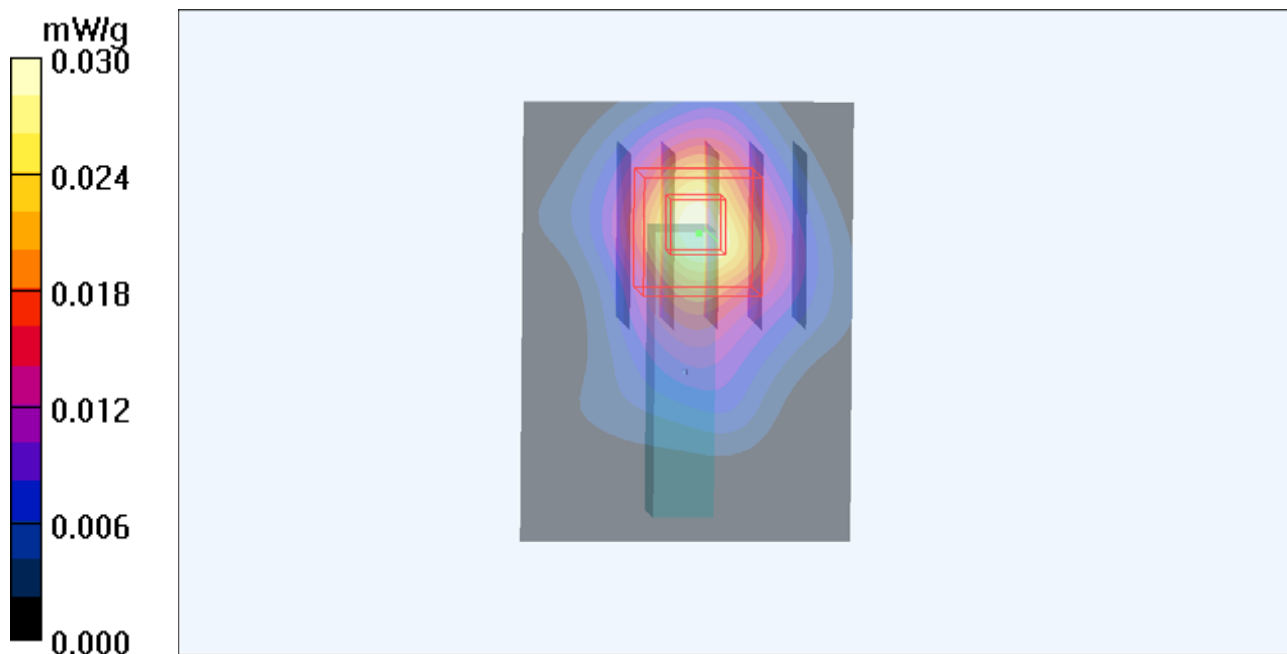
**Ch06/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 1.73 V/m; Power Drift = 0.102 dB

Peak SAR (extrapolated) = 0.051 W/kg

**SAR(1 g) = 0.024 mW/g; SAR(10 g) = 0.011 mW/g**

Maximum value of SAR (measured) = 0.035 mW/g



## P11 802.11g\_Verical Back\_0.5cm\_Ch06

### DUT: 111124E02

Communication System: 802.11g; Frequency: 2437 MHz; Duty Cycle: 1:1

Medium: B2450\_0401 Medium parameters used:  $f = 2437$  MHz;  $\sigma = 1.96$  mho/m;  $\epsilon_r = 51$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature : 22.3 °C ; Liquid Temperature : 21.2 °C

#### DASY4 Configuration:

- Probe: EX3DV4 - SN3590; ConvF(7.8, 7.8, 7.8); Calibrated: 2012/02/23
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn861; Calibrated: 2011/08/29
- Phantom: SAM Phantom\_Left; Type: SAM V4.0; Serial: TP 1652
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

**Ch06/Area Scan (41x31x1):** Measurement grid: dx=20mm, dy=20mm

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

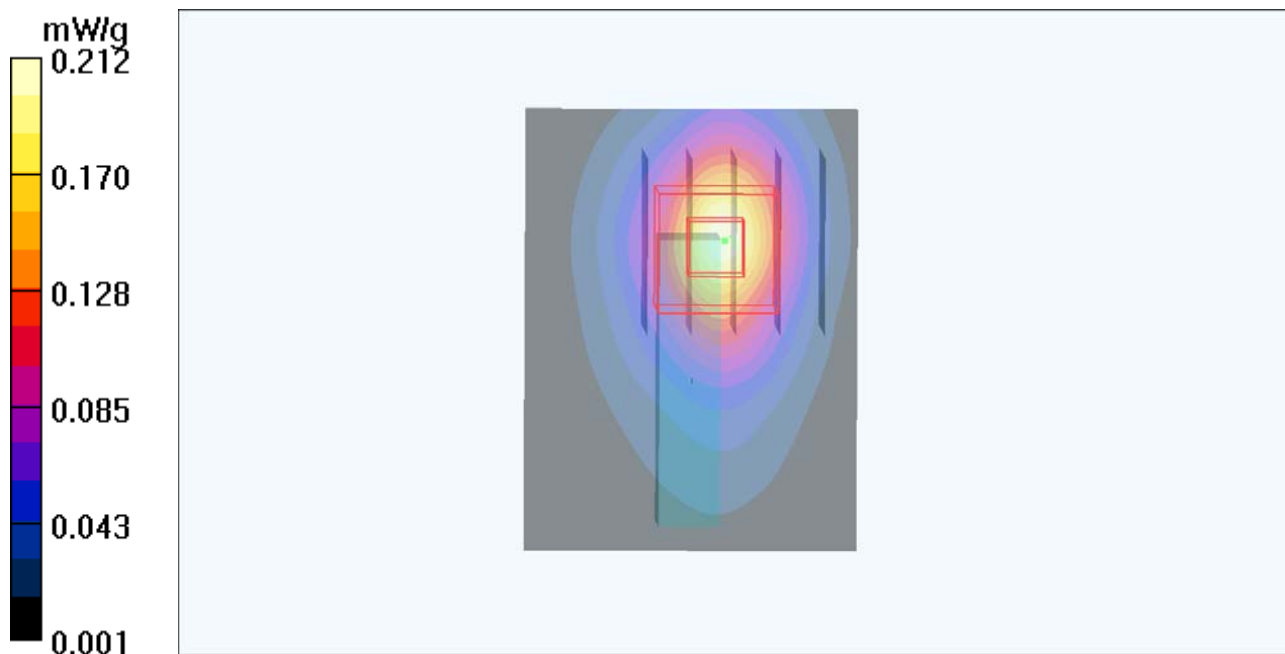
**Ch06/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 6.91 V/m; Power Drift = 0.174 dB

Peak SAR (extrapolated) = 0.319 W/kg

**SAR(1 g) = 0.159 mW/g; SAR(10 g) = 0.077 mW/g**

Maximum value of SAR (measured) = 0.223 mW/g



## P12 802.11g\_Tip Mode\_0.5cm\_Ch06

### DUT: 111124E02

Communication System: 802.11g; Frequency: 2437 MHz; Duty Cycle: 1:1

Medium: B2450\_0401 Medium parameters used:  $f = 2437$  MHz;  $\sigma = 1.96$  mho/m;  $\epsilon_r = 51$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature : 22.3 °C ; Liquid Temperature : 21.2 °C

#### DASY4 Configuration:

- Probe: EX3DV4 - SN3590; ConvF(7.8, 7.8, 7.8); Calibrated: 2012/02/23
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn861; Calibrated: 2011/08/29
- Phantom: SAM Phantom\_Left; Type: SAM V4.0; Serial: TP 1652
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

**Ch06/Area Scan (41x41x1):** Measurement grid: dx=20mm, dy=20mm

Maximum value of SAR (interpolated) = 0.014 mW/g

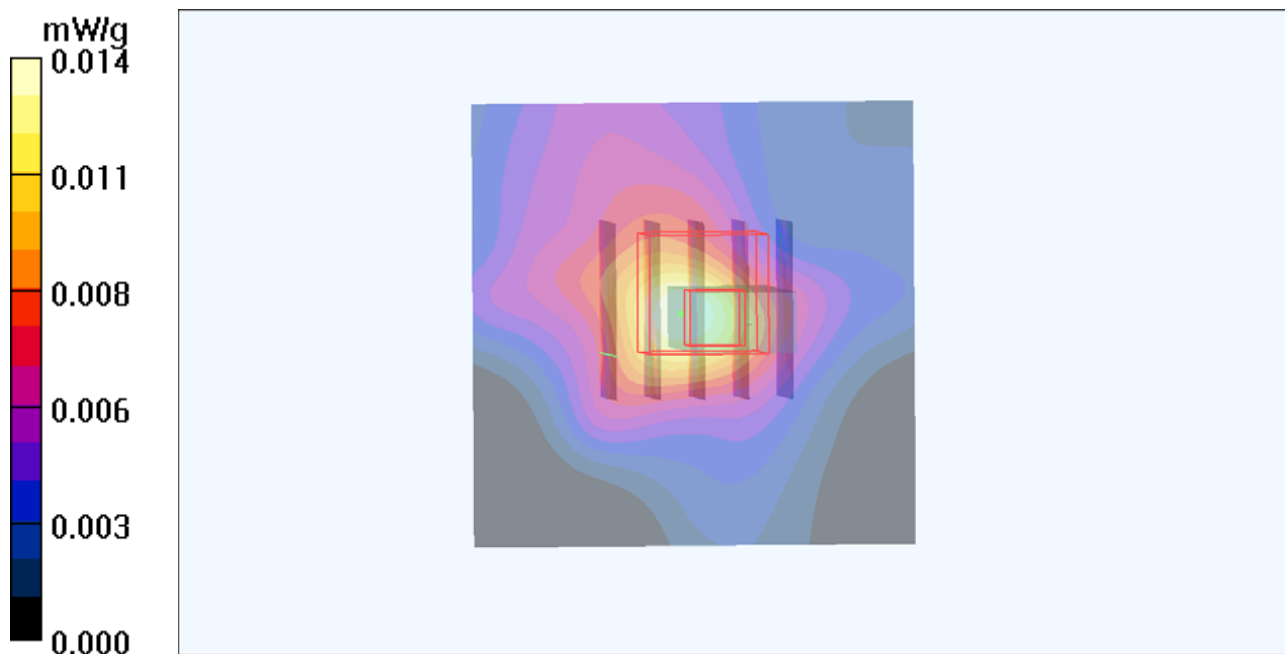
**Ch06/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 2.48 V/m; Power Drift = 0.135 dB

Peak SAR (extrapolated) = 0.031 W/kg

**SAR(1 g) = 0.013 mW/g; SAR(10 g) = 0.0046 mW/g**

Maximum value of SAR (measured) = 0.016 mW/g



### P07 802.11n\_HT20\_Horizontal\_Down\_0.5cm\_Ch06

**DUT: 111124E02**

Communication System: 802.11n\_20MHz; Frequency: 2437 MHz; Duty Cycle: 1:1  
Medium: B2450\_1215 Medium parameters used:  $f = 2437$  MHz;  $\sigma = 1.95$  mho/m;  $\epsilon_r = 51.4$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Ambient Temperature : 21.3 °C ; Liquid Temperature : 20.9 °C

DASY4 Configuration:

- Probe: EX3DV4 - SN3650; ConvF(6.89, 6.89, 6.89); Calibrated: 2011/10/26
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1277; Calibrated: 2011/07/29
- Phantom: SAM Phantom\_Left; Type: SAM V4.0; Serial: TP 1652
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

**Ch06/Area Scan (41x31x1):** Measurement grid: dx=20mm, dy=20mm  
Maximum value of SAR (interpolated) = 0.468 mW/g

**Ch06/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm  
Reference Value = 9.10 V/m; Power Drift = -0.192 dB  
Peak SAR (extrapolated) = 0.750 W/kg  
**SAR(1 g) = 0.380 mW/g; SAR(10 g) = 0.187 mW/g**  
Maximum value of SAR (measured) = 0.564 mW/g

