

**APPENDIX 2 : SAR Measurement data (Normal antenna)**

**WT-2A / Head / ANT.A \_BACK / DSSS / 2437MHz**

Crest factor: 1  
Medium: HSL2450 ( $\sigma = 1.85$  mho/m,  $\epsilon_r = 35.9$ ,  $\rho = 1000$  kg/m<sup>3</sup>)  
Phantom section: Flat Section

DASY4 Configuration:

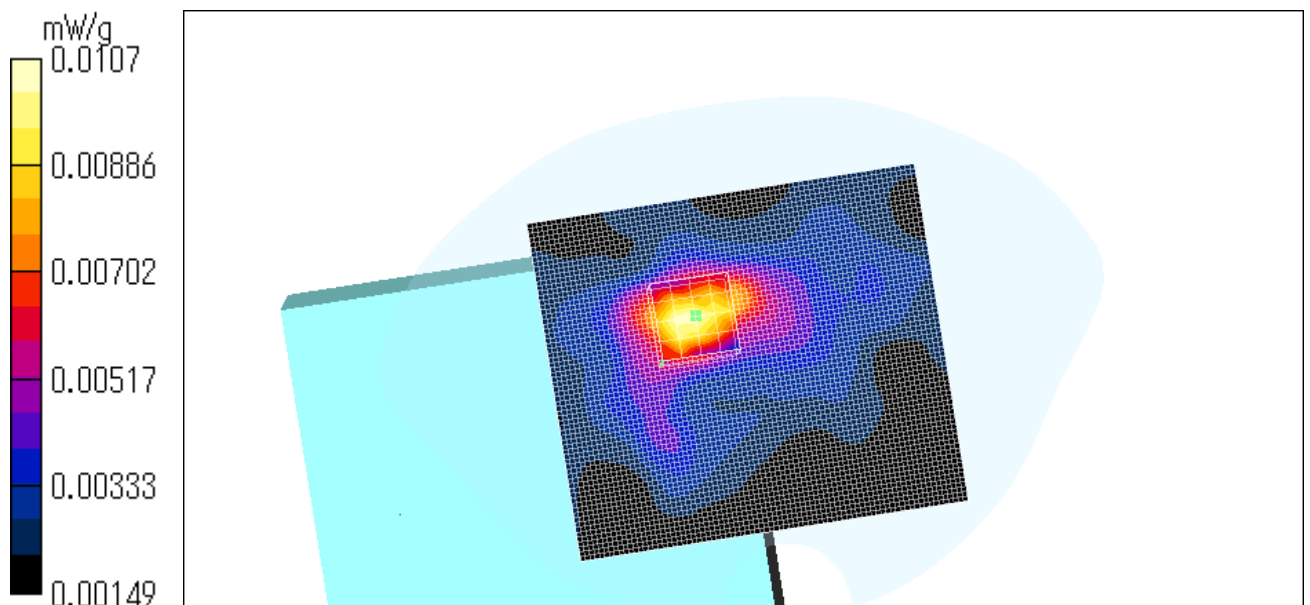
- Probe: ET3DV6 - SN1684; ConvF(4.39, 4.39, 4.39); Calibrated: 2004/09/02
- Sensor-Surface: 4mm (Mechanical And Optical Surface Detection)
- Phantom: SAM 1196
- Measurement SW: DASY4, V4.1 Build 47; Postprocessing SW: SEMCAD, V1.6 Build 115

**Area Scan (71x81x1):** Measurement grid: dx=20mm, dy=20mm  
Maximum value of SAR = 0.0104 mW/g

**Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm  
Peak SAR (extrapolated) = 0.0176 W/kg  
**SAR(1 g) = 0.0101 mW/g; SAR(10 g) = 0.00606 mW/g**  
Maximum value of SAR = 0.0107 mW/g

Reference Value = 1.1 V/m  
Power Drift = 0.4 dB

Test Date = 11/09/04  
Ambient Temperature = 25.0 degree.c  
Liquid Temperature = Before 24.2 degree.C , After 24.2 degree.C



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**WT-2A / Head / ANT.A \_ BOTTOM / DSSS / 2437MHz**

Crest factor: 1  
Medium: HSL2450 ( $\sigma = 1.85$  mho/m,  $\epsilon_r = 35.9$ ,  $\rho = 1000$  kg/m<sup>3</sup>)  
Phantom section: Flat Section

DASY4 Configuration:

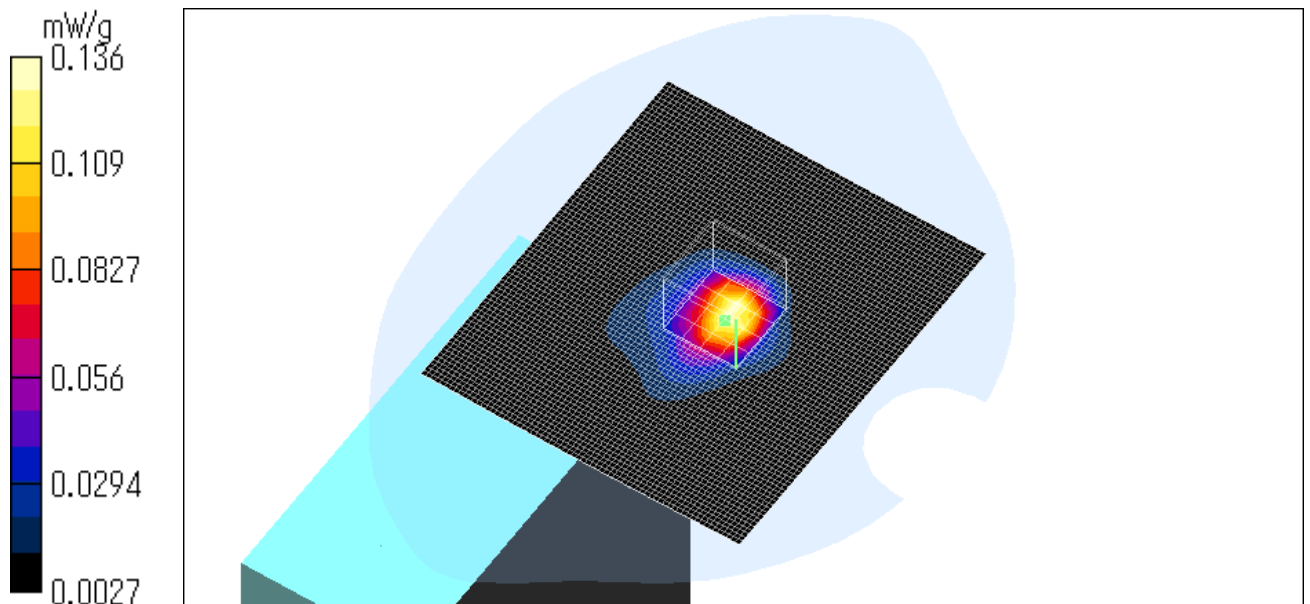
- Probe: ET3DV6 - SN1684; ConvF(4.39, 4.39, 4.39); Calibrated: 2004/09/02
- Sensor-Surface: 4mm (Mechanical And Optical Surface Detection)
- Phantom: SAM 1196
- Measurement SW: DASY4, V4.1 Build 47; Postprocessing SW: SEMCAD, V1.6 Build 115

**Area Scan (71x81x1):** Measurement grid: dx=20mm, dy=20mm  
Maximum value of SAR = 0.138 mW/g

**Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm  
Peak SAR (extrapolated) = 0.297 W/kg  
**SAR(1 g) = 0.133 mW/g; SAR(10 g) = 0.0619 mW/g**  
Maximum value of SAR = 0.136 mW/g

Reference Value = 7.23 V/m  
Power Drift = -0.4dB

Test Date = 11/09/04  
Ambient Temperature = 25.0 degree.c  
Liquid Temperature = Before 24.2 degree.C , After 24.2 degree.C



**WT-2A / Head / ANT.A\_SIDE / DSSS / 2437MHz**

Crest factor: 1  
Medium: HSL2450 ( $\sigma = 1.85$  mho/m,  $\epsilon_r = 35.9$ ,  $\rho = 1000$  kg/m<sup>3</sup>)  
Phantom section: Flat Section

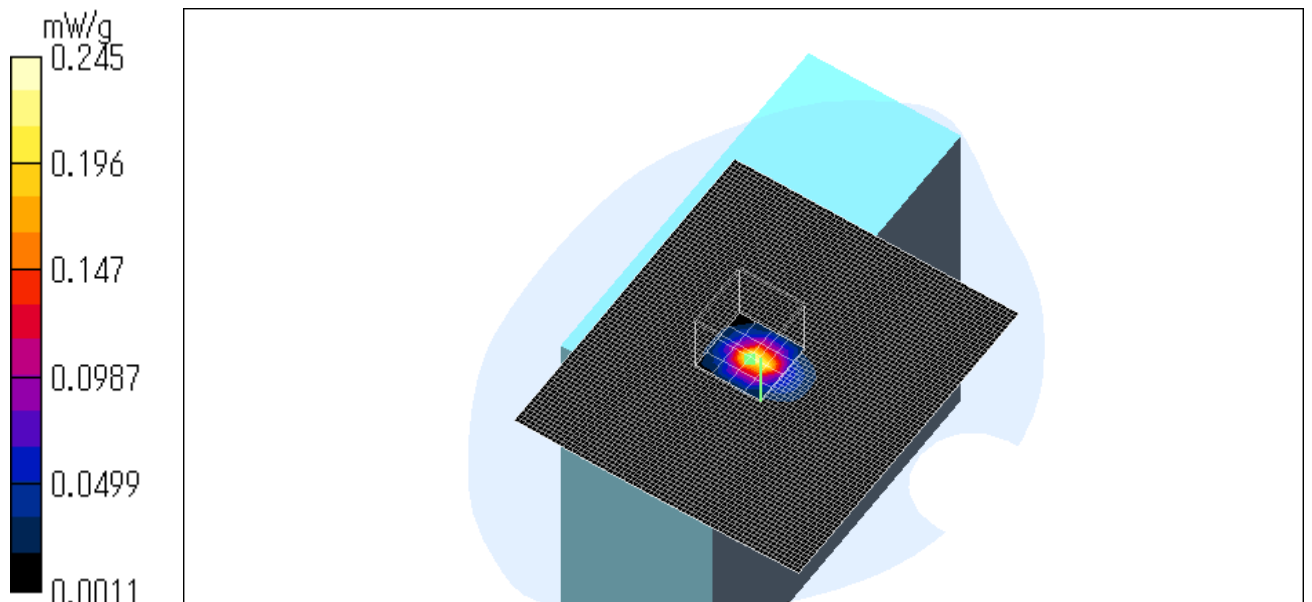
DASY4 Configuration:  
- Probe: ET3DV6 - SN1684; ConvF(4.39, 4.39, 4.39); Calibrated: 2004/09/02  
- Sensor-Surface: 4mm (Mechanical And Optical Surface Detection)  
- Phantom: SAM 1196  
- Measurement SW: DASY4, V4.1 Build 47; Postprocessing SW: SEMCAD, V1.6 Build 115

**Area Scan (71x81x1):** Measurement grid: dx=20mm, dy=20mm  
Maximum value of SAR = 0.234 mW/g

**Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm  
Peak SAR (extrapolated) = 0.606 W/kg  
**SAR(1 g) = 0.218 mW/g; SAR(10 g) = 0.0753 mW/g**  
Maximum value of SAR = 0.245 mW/g

Reference Value = 12 V/m  
Power Drift = -0.4 dB

Test Date = 11/09/04  
Ambient Temperature = 25.0 degree.c  
Liquid Temperature = Before 24.2 degree.C , After 24.2 degree.C



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**WT-2A / Head / ANT.B\_BACK / DSSS / 2437MHz**

Crest factor: 1  
Medium: HSL2450 ( $\sigma = 1.85$  mho/m,  $\epsilon_r = 35.9$ ,  $\rho = 1000$  kg/m<sup>3</sup>)  
Phantom section: Flat Section

DASY4 Configuration:

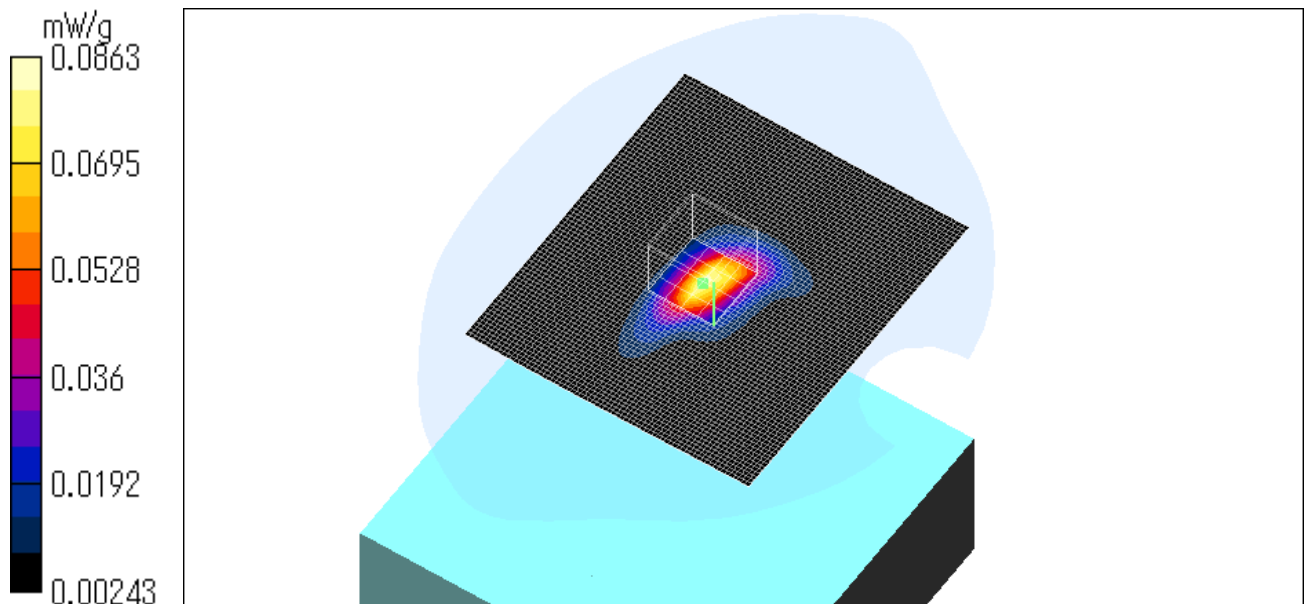
- Probe: ET3DV6 - SN1684; ConvF(4.39, 4.39, 4.39); Calibrated: 2004/09/02
- Sensor-Surface: 4mm (Mechanical And Optical Surface Detection)
- Phantom: SAM 1196
- Measurement SW: DASY4, V4.1 Build 47; Postprocessing SW: SEMCAD, V1.6 Build 115

**Area Scan (71x81x1):** Measurement grid: dx=20mm, dy=20mm  
Maximum value of SAR = 0.074 mW/g

**Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm  
Peak SAR (extrapolated) = 0.169 W/kg  
**SAR(1 g) = 0.079 mW/g; SAR(10 g) = 0.0374 mW/g**  
Maximum value of SAR = 0.0863 mW/g

Reference Value = 7.23 V/m  
Power Drift = -0.06 dB

Test Date = 11/09/04  
Ambient Temperature = 25.0 degree.c  
Liquid Temperature = Before 24.2 degree.C , After 24.2 degree.C



**WT-2A / Head / ANT.B\_BOTTOM / DSSS / 2437MHz**

Crest factor: 1  
Medium: HSL2450 ( $\sigma = 1.85$  mho/m,  $\epsilon_r = 35.9$ ,  $\rho = 1000$  kg/m<sup>3</sup>)  
Phantom section: Flat Section

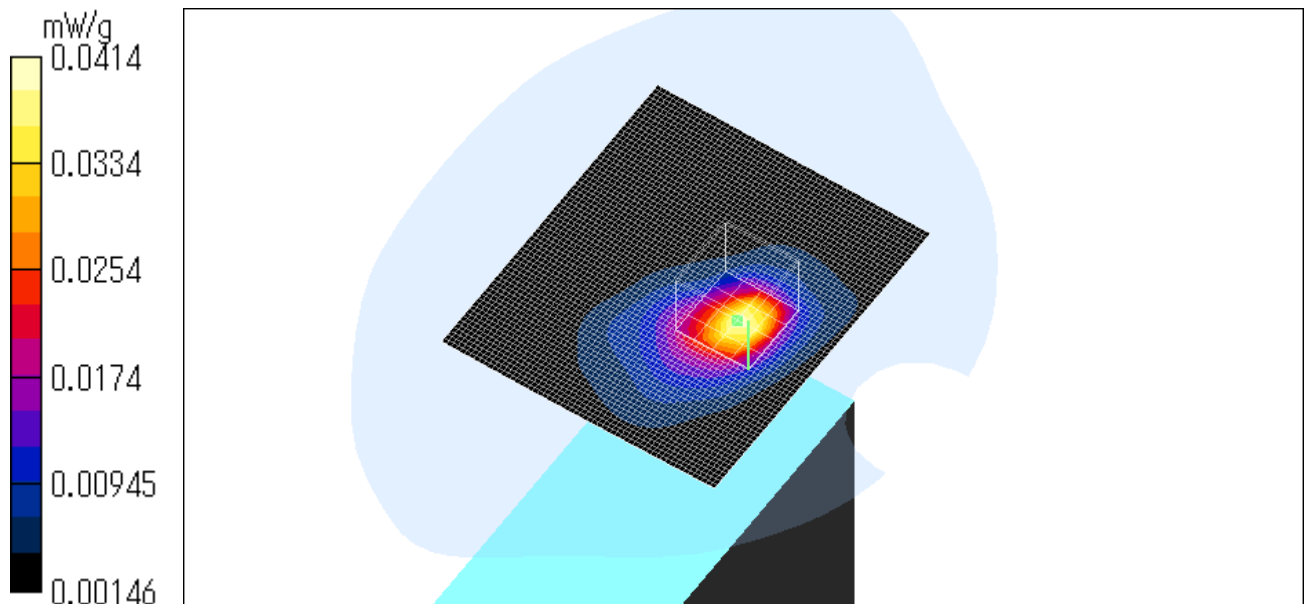
DASY4 Configuration:  
- Probe: ET3DV6 - SN1684; ConvF(4.39, 4.39, 4.39); Calibrated: 2004/09/02  
- Sensor-Surface: 4mm (Mechanical And Optical Surface Detection)  
- Phantom: SAM 1196  
- Measurement SW: DASY4, V4.1 Build 47; Postprocessing SW: SEMCAD, V1.6 Build 115

**Area Scan (61x71x1):** Measurement grid: dx=20mm, dy=20mm  
Maximum value of SAR = 0.0332 mW/g

**Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm  
Peak SAR (extrapolated) = 0.0781 W/kg  
**SAR(1 g) = 0.0391 mW/g; SAR(10 g) = 0.0194 mW/g**  
Maximum value of SAR = 0.0414 mW/g

Reference Value = 2.21 V/m  
Power Drift = 0.3 dB

Test Date = 11/09/04  
Ambient Temperature = 25.0 degree.c  
Liquid Temperature = Before 24.4 degree.C , After 24.4 degree.C



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**WT-2A / Head / ANT.C\_BACK / DSSS / 2437MHz**

Crest factor: 1  
Medium: HSL2450 ( $\sigma = 1.85$  mho/m,  $\epsilon_r = 35.9$ ,  $\rho = 1000$  kg/m<sup>3</sup>)  
Phantom section: Flat Section

DASY4 Configuration:

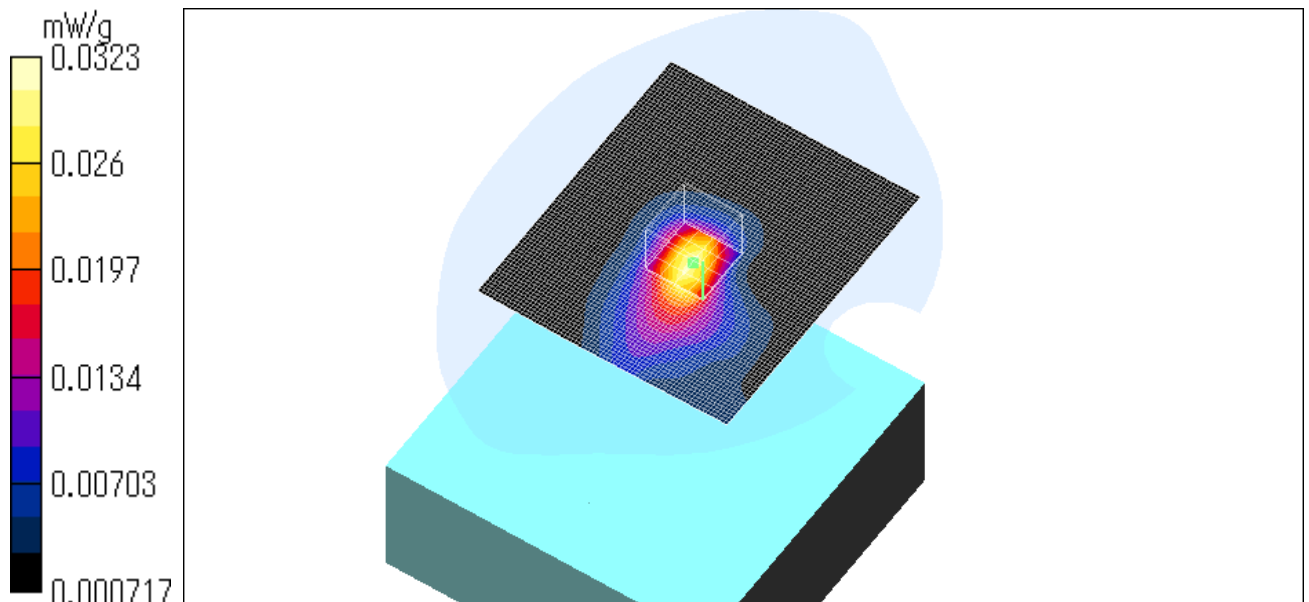
- Probe: ET3DV6 - SN1684; ConvF(4.39, 4.39, 4.39); Calibrated: 2004/09/02
- Sensor-Surface: 4mm (Mechanical And Optical Surface Detection)
- Phantom: SAM 1196
- Measurement SW: DASY4, V4.1 Build 47; Postprocessing SW: SEMCAD, V1.6 Build 115

**Area Scan (71x81x1):** Measurement grid: dx=20mm, dy=20mm  
Maximum value of SAR = 0.0313 mW/g

**Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm  
Peak SAR (extrapolated) = 0.0656 W/kg  
**SAR(1 g) = 0.0303 mW/g; SAR(10 g) = 0.0161 mW/g**  
Maximum value of SAR = 0.0323 mW/g

Reference Value = 4.12 V/m  
Power Drift = -0.3 dB

Test Date = 11/09/04  
Ambient Temperature = 25.0 degree.c  
Liquid Temperature = Before 24.2 degree.C , After 24.2 degree.C



**WT-2A / Head / ANT.A\_SIDE / DSSS / 2412MHz**

Crest factor: 1  
Medium: HSL2450 ( $\sigma = 1.85$  mho/m,  $\epsilon_r = 35.9$ ,  $\rho = 1000$  kg/m<sup>3</sup>)  
Phantom section: Flat Section

DASY4 Configuration:

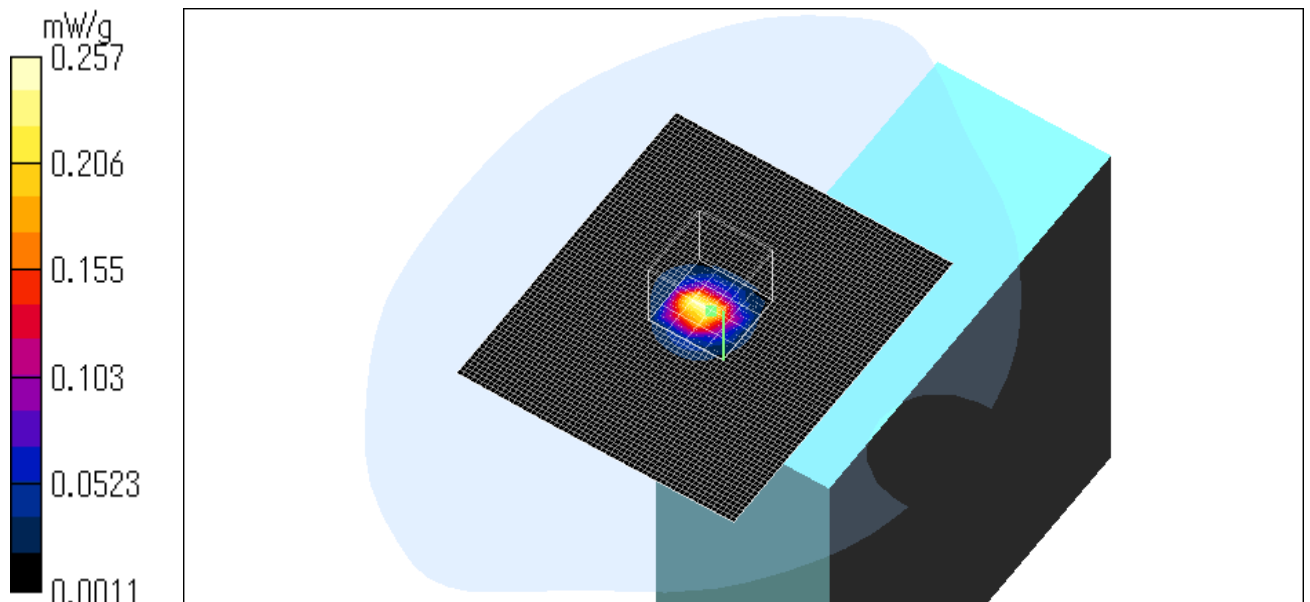
- Probe: ET3DV6 - SN1684; ConvF(4.39, 4.39, 4.39); Calibrated: 2004/09/02
- Sensor-Surface: 4mm (Mechanical And Optical Surface Detection)
- Phantom: SAM 1196
- Measurement SW: DASY4, V4.1 Build 47; Postprocessing SW: SEMCAD, V1.6 Build 115

**Area Scan (61x71x1):** Measurement grid: dx=20mm, dy=20mm  
Maximum value of SAR = 0.145 mW/g

**Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm  
Peak SAR (extrapolated) = 0.679 W/kg  
**SAR(1 g) = 0.252 mW/g; SAR(10 g) = 0.0874 mW/g**  
Maximum value of SAR = 0.257 mW/g

Reference Value = 12.4 V/m  
Power Drift = 0.1 dB

Test Date = 11/09/04  
Ambient Temperature = 25.0 degree.c  
Liquid Temperature = Before 24.4 degree.C , After 24.4 degree.C





**WT-2A / Head / ANT.A\_SIDE / DSSS / 2462MHz**

Crest factor: 1  
Medium: HSL2450 ( $\sigma = 1.85$  mho/m,  $\epsilon_r = 35.9$ ,  $\rho = 1000$  kg/m<sup>3</sup>)  
Phantom section: Flat Section

DASY4 Configuration:

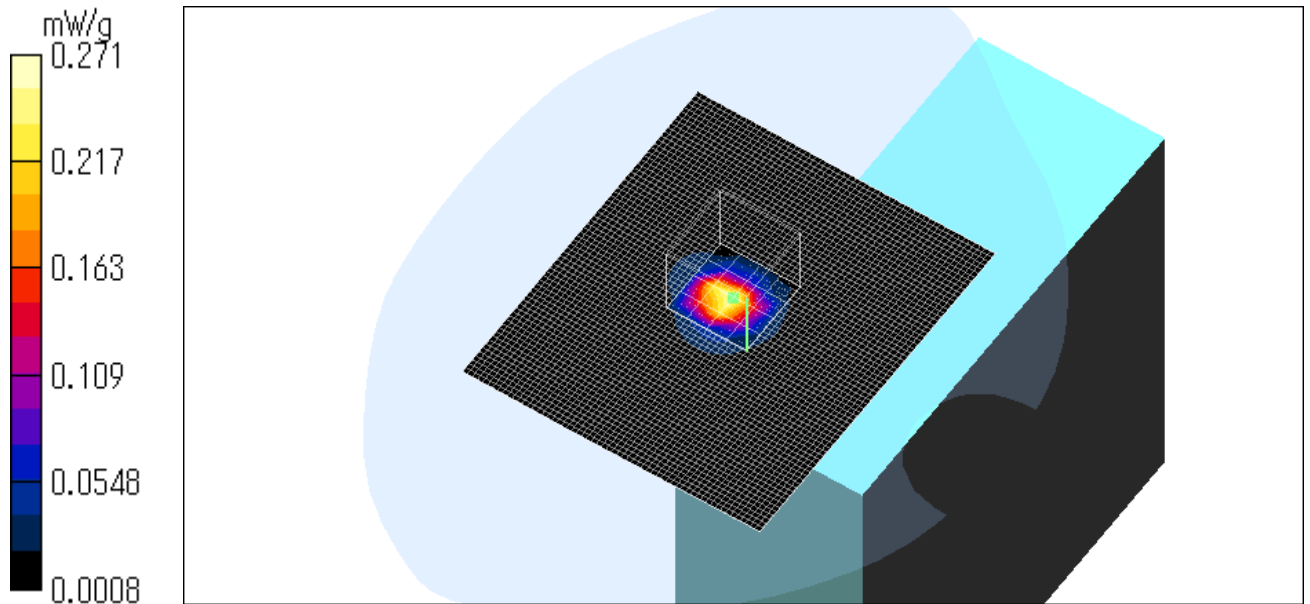
- Probe: ET3DV6 - SN1684; ConvF(4.39, 4.39, 4.39); Calibrated: 2004/09/02
- Sensor-Surface: 4mm (Mechanical And Optical Surface Detection)
- Phantom: SAM 1196
- Measurement SW: DASY4, V4.1 Build 47; Postprocessing SW: SEMCAD, V1.6 Build 115

**Area Scan (61x71x1):** Measurement grid: dx=20mm, dy=20mm  
Maximum value of SAR = 0.173 mW/g

**Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm  
Peak SAR (extrapolated) = 0.741 W/kg  
**SAR(1 g) = 0.267 mW/g; SAR(10 g) = 0.0912 mW/g**  
Maximum value of SAR = 0.271 mW/g

Reference Value = 11.7 V/m  
Power Drift = 0.4 dB

Test Date = 11/09/04  
Ambient Temperature = 25.0 degree.c  
Liquid Temperature = Before 24.4 degree.C , After 24.4 degree.C

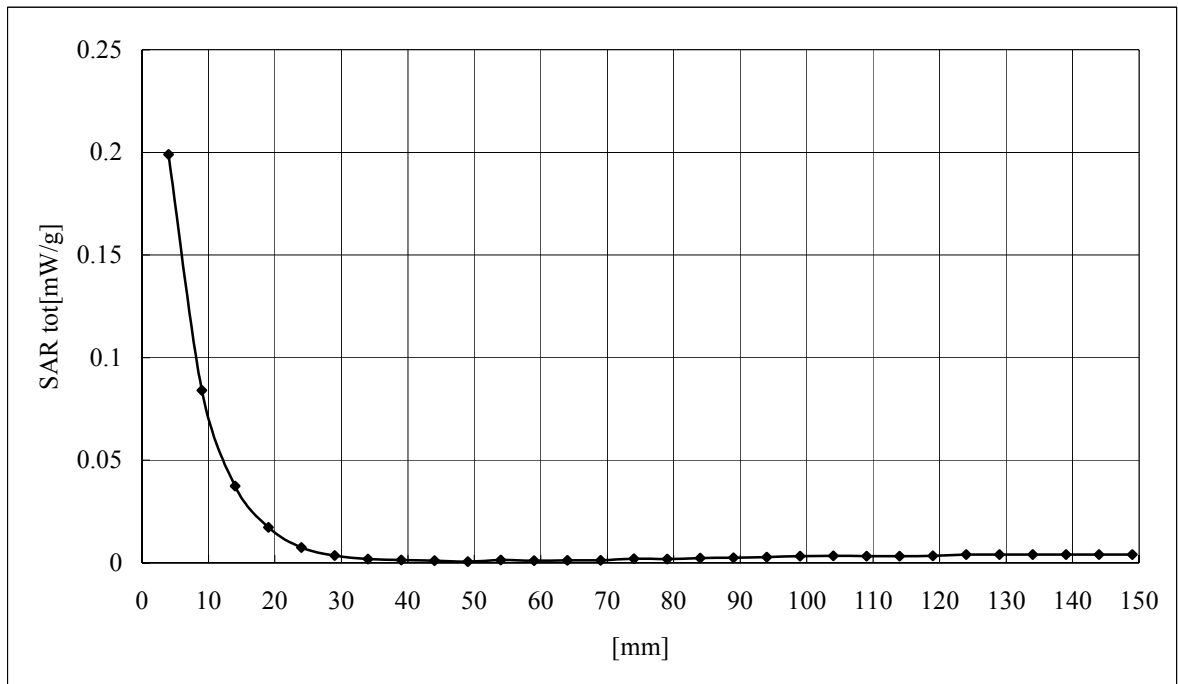


### Z-axis scan at max SAR location

Crest factor: 1  
Medium: HSL2450 ( $\sigma = 1.85$  mho/m,  $\epsilon_r = 35.9$ ,  $\rho = 1000$  kg/m<sup>3</sup>)  
Phantom section: Flat Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1684; ConvF(4.39, 4.39, 4.39); Calibrated: 2004/09/02
- Sensor-Surface: 4mm (Mechanical And Optical Surface Detection)
- Phantom: SAM 1196
- Measurement SW: DASY4, V4.1 Build 47; Postprocessing SW: SEMCAD, V1.6 Build 115



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**WT-2A/ Head / ANT.A\_BACK / OFDM 64QAM / 2437MHz**

Crest factor: 1  
Medium: HSL2450 ( $\sigma = 1.85$  mho/m,  $\epsilon_r = 35.9$ ,  $\rho = 1000$  kg/m<sup>3</sup>)  
Phantom section: Flat Section

DASY4 Configuration:

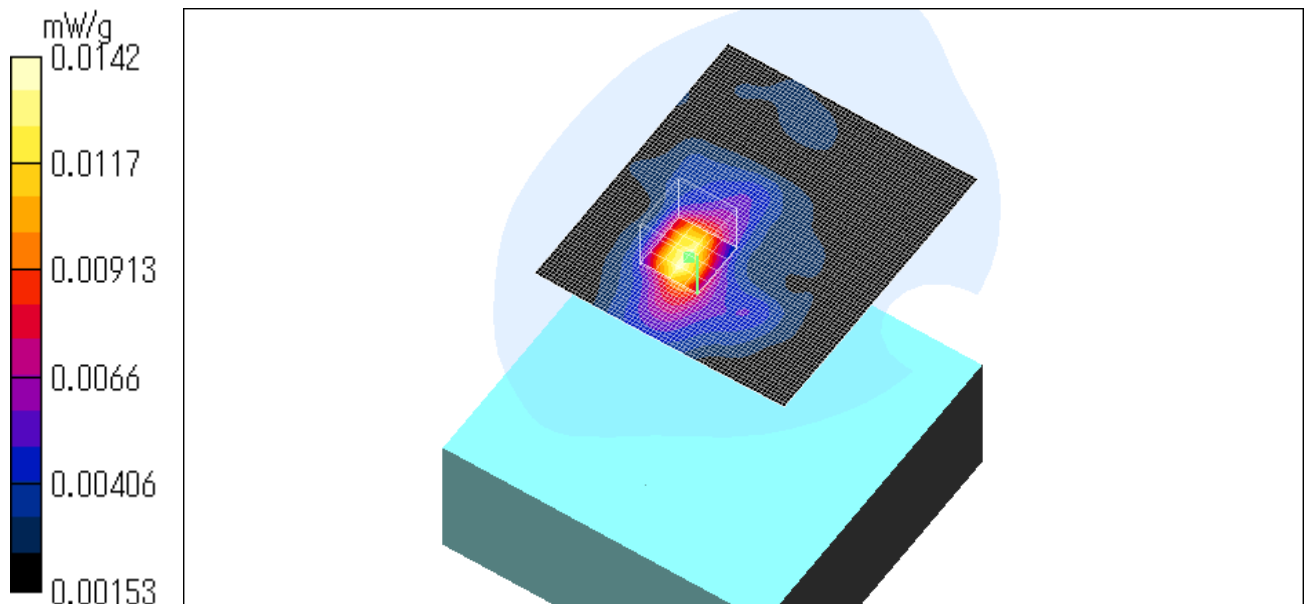
- Probe: ET3DV6 - SN1684; ConvF(4.39, 4.39, 4.39); Calibrated: 2004/09/02
- Sensor-Surface: 4mm (Mechanical And Optical Surface Detection)
- Phantom: SAM 1196
- Measurement SW: DASY4, V4.1 Build 47; Postprocessing SW: SEMCAD, V1.6 Build 115

**Area Scan (71x81x1):** Measurement grid: dx=20mm, dy=20mm  
Maximum value of SAR = 0.0125 mW/g

**Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm  
Peak SAR (extrapolated) = 0.0275 W/kg  
**SAR(1 g) = 0.0138 mW/g; SAR(10 g) = 0.00787 mW/g**  
Maximum value of SAR = 0.0142 mW/g

Reference Value = 1.5 V/m  
Power Drift = 0.1 dB

Test Date = 11/09/04  
Ambient Temperature = 25.0 degree.c  
Liquid Temperature = Before 24.2 degree.C , After 24.2 degree.C



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**WT-2A / Head / ANT.A\_BOTTOM / OFDM 64QAM / 2437MHz**

Crest factor: 1  
Medium: HSL2450 ( $\sigma = 1.85$  mho/m,  $\epsilon_r = 35.9$ ,  $\rho = 1000$  kg/m<sup>3</sup>)  
Phantom section: Flat Section

DASY4 Configuration:

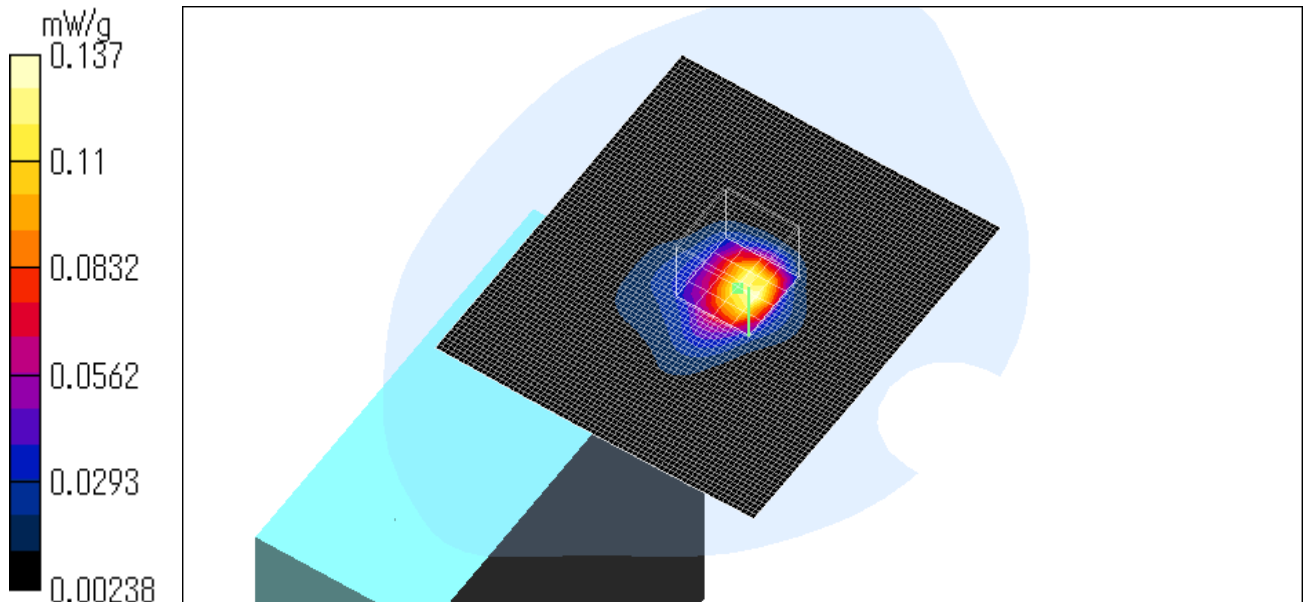
- Probe: ET3DV6 - SN1684; ConvF(4.39, 4.39, 4.39); Calibrated: 2004/09/02
- Sensor-Surface: 4mm (Mechanical And Optical Surface Detection)
- Phantom: SAM 1196
- Measurement SW: DASY4, V4.1 Build 47; Postprocessing SW: SEMCAD, V1.6 Build 115

**Area Scan (71x81x1):** Measurement grid: dx=20mm, dy=20mm  
Maximum value of SAR = 0.14 mW/g

**Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm  
Peak SAR (extrapolated) = 0.294 W/kg  
**SAR(1 g) = 0.132 mW/g; SAR(10 g) = 0.062 mW/g**  
Maximum value of SAR = 0.137 mW/g

Reference Value = 7 V/m  
Power Drift = 0.01 dB

Test Date = 11/09/04  
Ambient Temperature = 25.0 degree.c  
Liquid Temperature = Before 24.2 degree.C , After 24.2 degree.C



**WT-2A / Head / ANT.A\_SIDE / OFDM 64QAM / 2437MHz**

Crest factor: 1  
Medium: HSL2450 ( $\sigma = 1.85$  mho/m,  $\epsilon_r = 35.9$ ,  $\rho = 1000$  kg/m<sup>3</sup>)  
Phantom section: Flat Section

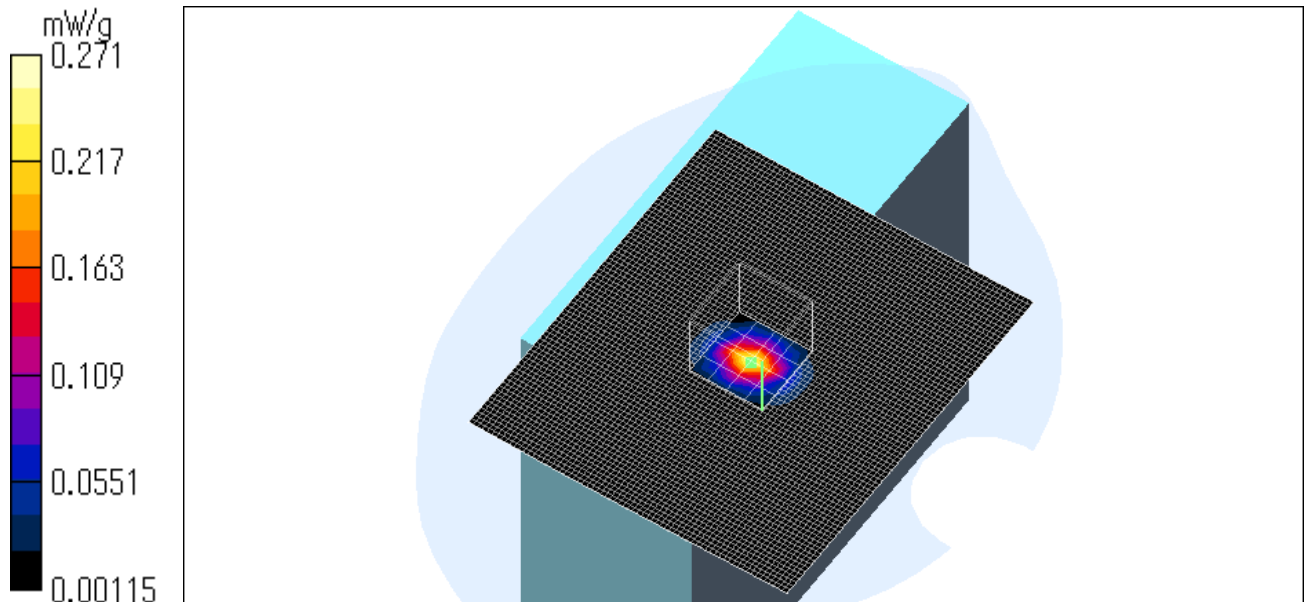
DASY4 Configuration:  
- Probe: ET3DV6 - SN1684; ConvF(4.39, 4.39, 4.39); Calibrated: 2004/09/02  
- Sensor-Surface: 4mm (Mechanical And Optical Surface Detection)  
- Phantom: SAM 1196  
- Measurement SW: DASY4, V4.1 Build 47; Postprocessing SW: SEMCAD, V1.6 Build 115

**Area Scan (71x81x1):** Measurement grid: dx=20mm, dy=20mm  
Maximum value of SAR = 0.173 mW/g

**Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm  
Peak SAR (extrapolated) = 0.645 W/kg  
**SAR(1 g) = 0.231 mW/g; SAR(10 g) = 0.08 mW/g**  
Maximum value of SAR = 0.271 mW/g

Reference Value = 12.6 V/m  
Power Drift = 0.002 dB

Test Date = 11/09/04  
Ambient Temperature = 25.0 degree.c  
Liquid Temperature = Before 24.2 degree.C , After 24.2 degree.C



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**WT-2A / Head / ANT.B\_BACK / OFDM 64QAM / 2437MHz**

Crest factor: 1  
Medium: HSL2450 ( $\sigma = 1.85$  mho/m,  $\epsilon_r = 35.9$ ,  $\rho = 1000$  kg/m<sup>3</sup>)  
Phantom section: Flat Section

DASY4 Configuration:

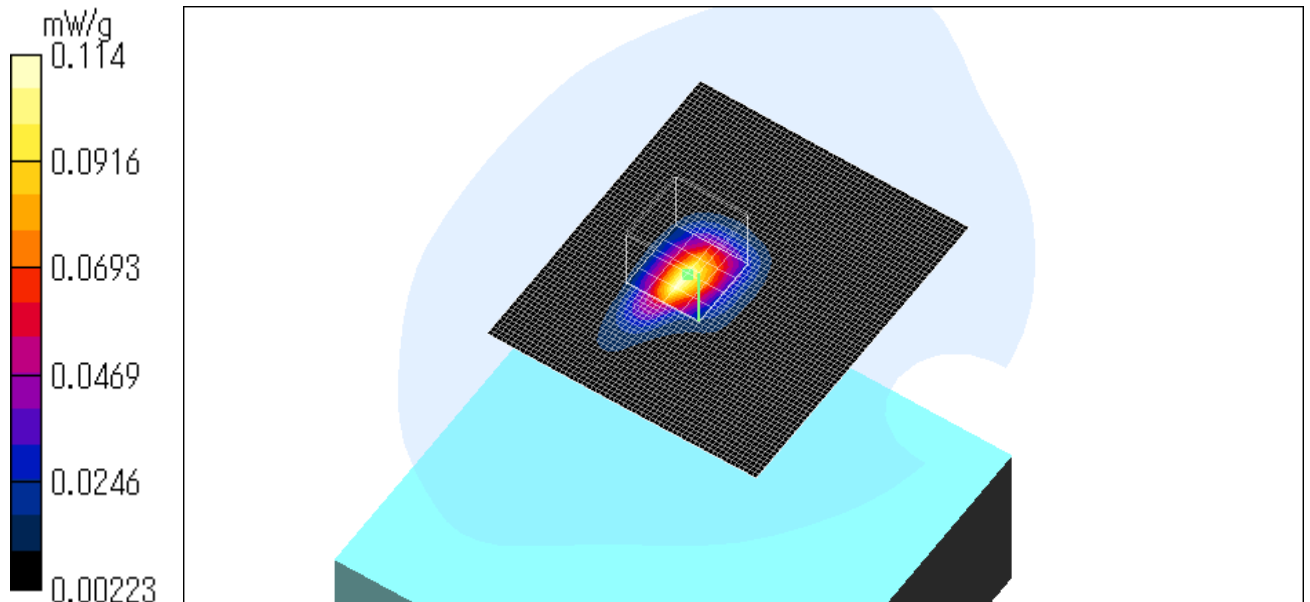
- Probe: ET3DV6 - SN1684; ConvF(4.39, 4.39, 4.39); Calibrated: 2004/09/02
- Sensor-Surface: 4mm (Mechanical And Optical Surface Detection)
- Phantom: SAM 1196
- Measurement SW: DASY4, V4.1 Build 47; Postprocessing SW: SEMCAD, V1.6 Build 115

**Area Scan (61x71x1):** Measurement grid: dx=20mm, dy=20mm  
Maximum value of SAR = 0.102 mW/g

**Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm  
Peak SAR (extrapolated) = 0.229 W/kg  
**SAR(1 g) = 0.103 mW/g; SAR(10 g) = 0.0465 mW/g**  
Maximum value of SAR = 0.114 mW/g

Reference Value = 4.69 V/m  
Power Drift = 0.3 dB

Test Date = 11/09/04  
Ambient Temperature = 25.0 degree.c  
Liquid Temperature = Before 24.4 degree.C , After 24.4 degree.C



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**WT-2A / Head / ANT.B\_BOTTOM / OFDM 64QAM / 2437MHz**

Crest factor: 1  
Medium: HSL2450 ( $\sigma = 1.85$  mho/m,  $\epsilon_r = 35.9$ ,  $\rho = 1000$  kg/m<sup>3</sup>)  
Phantom section: Flat Section

DASY4 Configuration:

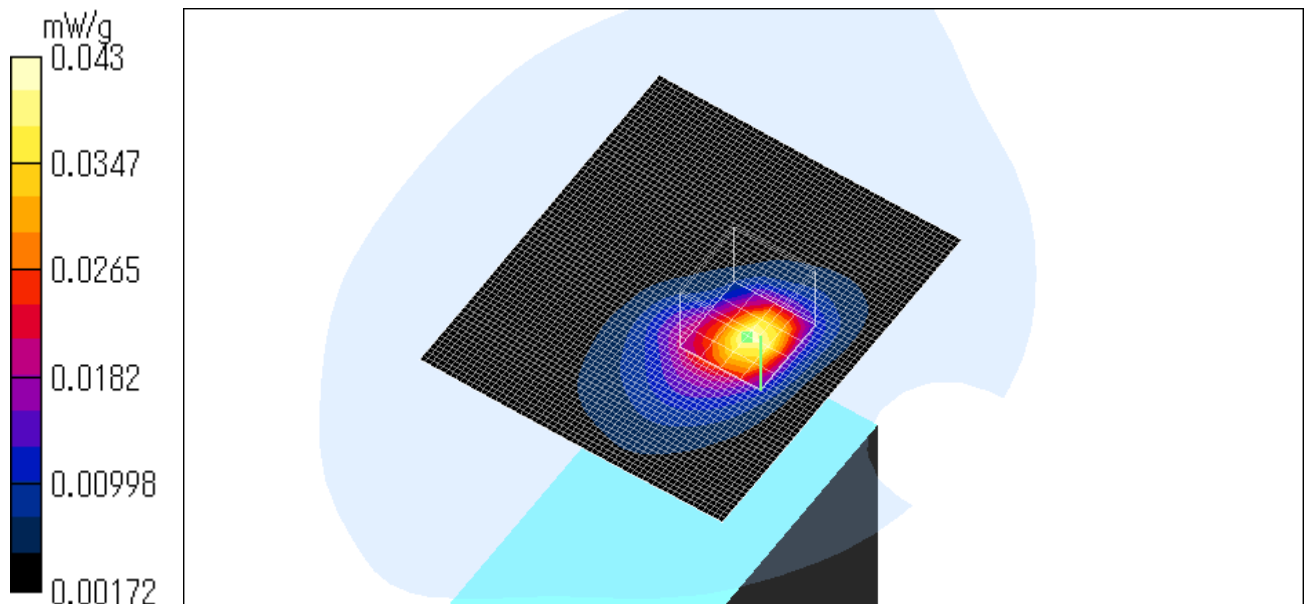
- Probe: ET3DV6 - SN1684; ConvF(4.39, 4.39, 4.39); Calibrated: 2004/09/02
- Sensor-Surface: 4mm (Mechanical And Optical Surface Detection)
- Phantom: SAM 1196
- Measurement SW: DASY4, V4.1 Build 47; Postprocessing SW: SEMCAD, V1.6 Build 115

**Area Scan (61x71x1):** Measurement grid: dx=20mm, dy=20mm  
Maximum value of SAR = 0.0338 mW/g

**Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm  
Peak SAR (extrapolated) = 0.0829 W/kg  
**SAR(1 g) = 0.0404 mW/g; SAR(10 g) = 0.02 mW/g**  
Maximum value of SAR = 0.043 mW/g

Reference Value = 2.35 V/m  
Power Drift = -0.4 dB

Test Date = 11/09/04  
Ambient Temperature = 25.0 degree.c  
Liquid Temperature = Before 24.4 degree.C , After 24.4 degree.C



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**WT-2A / Head / ANT.C\_BACK / OFDM 64QAM / 2437MHz**

Crest factor: 1  
Medium: HSL2450 ( $\sigma = 1.85$  mho/m,  $\epsilon_r = 35.9$ ,  $\rho = 1000$  kg/m<sup>3</sup>)  
Phantom section: Flat Section

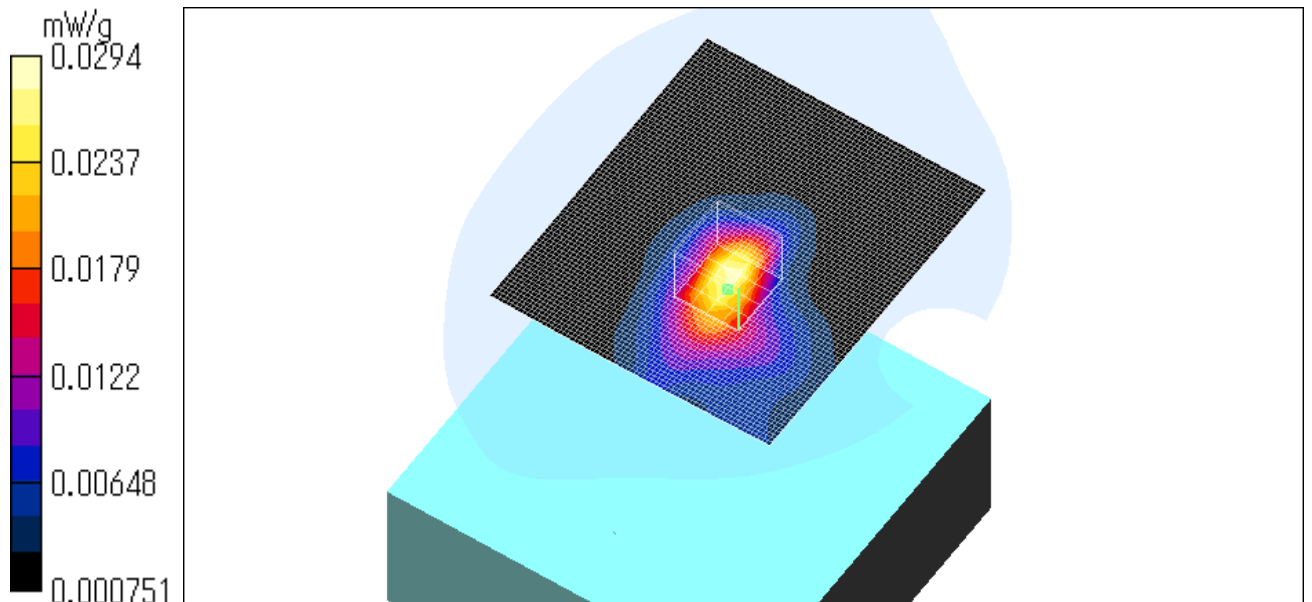
DASY4 Configuration:  
- Probe: ET3DV6 - SN1684; ConvF(4.39, 4.39, 4.39); Calibrated: 2004/09/02  
- Sensor-Surface: 4mm (Mechanical And Optical Surface Detection)  
- Phantom: SAM 1196  
- Measurement SW: DASY4, V4.1 Build 47; Postprocessing SW: SEMCAD, V1.6 Build 115

**Area Scan (71x81x1):** Measurement grid: dx=20mm, dy=20mm  
Maximum value of SAR = 0.0302 mW/g

**Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm  
Peak SAR (extrapolated) = 0.0538 W/kg  
**SAR(1 g) = 0.0278 mW/g; SAR(10 g) = 0.0147 mW/g**  
Maximum value of SAR = 0.0294 mW/g

Reference Value = 3.53 V/m  
Power Drift = -0.4 dB

Test Date = 11/09/04  
Ambient Temperature = 25.0 degree.c  
Liquid Temperature = Before 24.2 degree.C , After 24.2 degree.C





**WT-2A/ Head / ANT.A\_SIDE / OFDM 64QAM / 2412MHz**

Crest factor: 1  
Medium: HSL2450 ( $\sigma = 1.85$  mho/m,  $\epsilon_r = 35.9$ ,  $\rho = 1000$  kg/m<sup>3</sup>)  
Phantom section: Flat Section

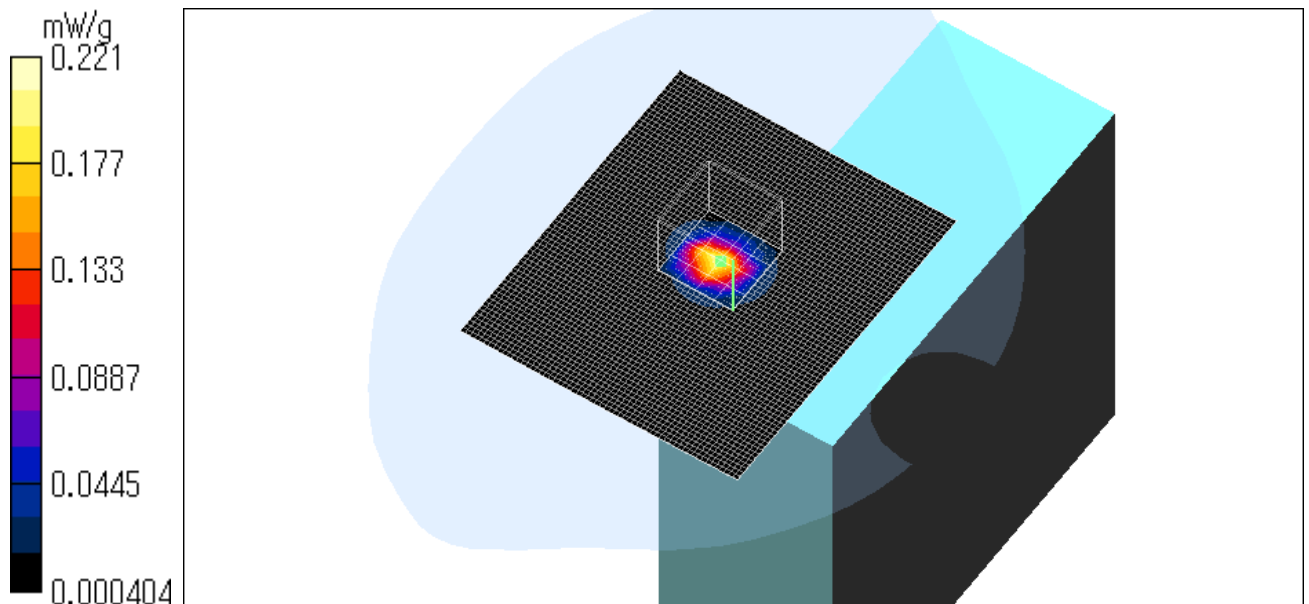
DASY4 Configuration:  
- Probe: ET3DV6 - SN1684; ConvF(4.39, 4.39, 4.39); Calibrated: 2004/09/02  
- Sensor-Surface: 4mm (Mechanical And Optical Surface Detection)  
- Phantom: SAM 1196  
- Measurement SW: DASY4, V4.1 Build 47; Postprocessing SW: SEMCAD, V1.6 Build 115

**Area Scan (61x71x1):** Measurement grid: dx=20mm, dy=20mm  
Maximum value of SAR = 0.189 mW/g

**Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm  
Peak SAR (extrapolated) = 0.529 W/kg  
**SAR(1 g) = 0.202 mW/g; SAR(10 g) = 0.0711 mW/g**  
Maximum value of SAR = 0.221 mW/g

Reference Value = 9.98 V/m  
Power Drift = -0.06 dB

Test Date = 11/09/04  
Ambient Temperature = 25.0 degree.c  
Liquid Temperature = Before 24.4 degree.C , After 24.4 degree.C



**WT-2A/ Head / ANT.A\_SIDE / OFDM 64QAM / 2462MHz**

Crest factor: 1  
Medium: HSL2450 ( $\sigma = 1.85$  mho/m,  $\epsilon_r = 35.9$ ,  $\rho = 1000$  kg/m<sup>3</sup>)  
Phantom section: Flat Section

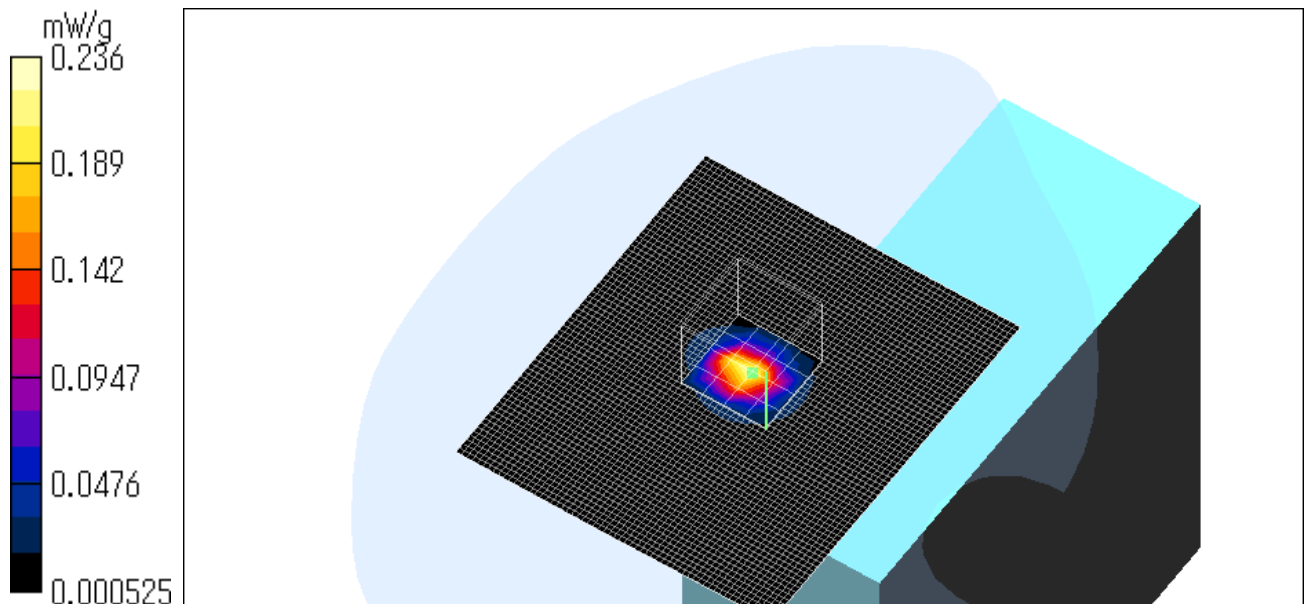
DASY4 Configuration:  
- Probe: ET3DV6 - SN1684; ConvF(4.39, 4.39, 4.39); Calibrated: 2004/09/02  
- Sensor-Surface: 4mm (Mechanical And Optical Surface Detection)  
- Phantom: SAM 1196  
- Measurement SW: DASY4, V4.1 Build 47; Postprocessing SW: SEMCAD, V1.6 Build 115

**Area Scan (61x71x1):** Measurement grid: dx=20mm, dy=20mm  
Maximum value of SAR = 0.21 mW/g

**Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm  
Peak SAR (extrapolated) = 0.6 W/kg  
**SAR(1 g) = 0.217 mW/g; SAR(10 g) = 0.0742 mW/g**  
Maximum value of SAR = 0.236 mW/g

Reference Value = 10.3 V/m  
Power Drift = -0.4 dB

Test Date = 11/09/04  
Ambient Temperature = 25.0 degree.c  
Liquid Temperature = Before 24.4 degree.C , After 24.4 degree.C



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**WT-2A / Head / ANT.A\_BACK / OFDM QPSK / 2437MHz**

Crest factor: 1  
Medium: HSL2450 ( $\sigma = 1.85$  mho/m,  $\epsilon_r = 35.9$ ,  $\rho = 1000$  kg/m<sup>3</sup>)  
Phantom section: Flat Section

DASY4 Configuration:

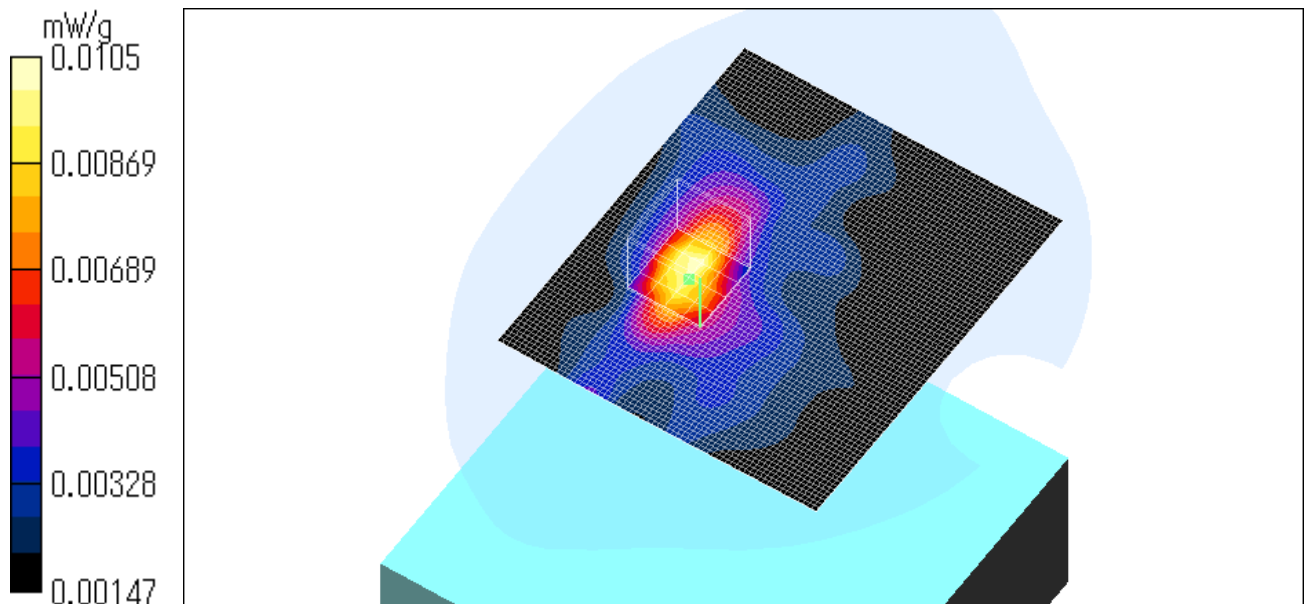
- Probe: ET3DV6 - SN1684; ConvF(4.39, 4.39, 4.39); Calibrated: 2004/09/02
- Sensor-Surface: 4mm (Mechanical And Optical Surface Detection)
- Phantom: SAM 1196
- Measurement SW: DASY4, V4.1 Build 47; Postprocessing SW: SEMCAD, V1.6 Build 115

**Area Scan (71x81x1):** Measurement grid: dx=20mm, dy=20mm  
Maximum value of SAR = 0.011 mW/g

**Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm  
Peak SAR (extrapolated) = 0.02 W/kg  
**SAR(1 g) = 0.00994 mW/g; SAR(10 g) = 0.00588 mW/g**  
Maximum value of SAR = 0.0105 mW/g

Reference Value = 1.19 V/m  
Power Drift = 0.4 dB

Test Date = 11/09/04  
Ambient Temperature = 25.0 degree.c  
Liquid Temperature = Before 24.2 degree.C , After 24.2 degree.C



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**WT-2A / Head / ANT.A\_BOTTOM / OFDM QPSK / 2437MHz**

Crest factor: 1  
Medium: HSL2450 ( $\sigma = 1.85$  mho/m,  $\epsilon_r = 35.9$ ,  $\rho = 1000$  kg/m<sup>3</sup>)  
Phantom section: Flat Section

DASY4 Configuration:

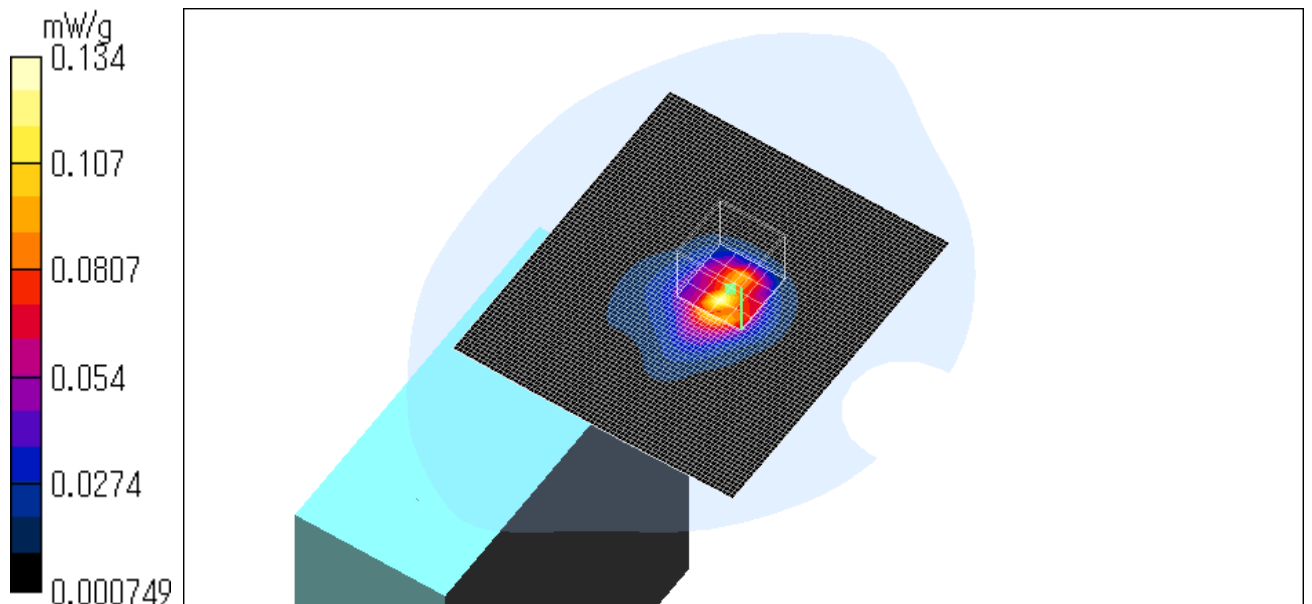
- Probe: ET3DV6 - SN1684; ConvF(4.39, 4.39, 4.39); Calibrated: 2004/09/02
- Sensor-Surface: 4mm (Mechanical And Optical Surface Detection)
- Phantom: SAM 1196
- Measurement SW: DASY4, V4.1 Build 47; Postprocessing SW: SEMCAD, V1.6 Build 115

**Area Scan (71x81x1):** Measurement grid: dx=20mm, dy=20mm  
Maximum value of SAR = 0.14 mW/g

**Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm  
Peak SAR (extrapolated) = 0.238 W/kg  
**SAR(1 g) = 0.105 mW/g; SAR(10 g) = 0.0496 mW/g**  
Maximum value of SAR = 0.134 mW/g

Reference Value = 6.52 V/m  
Power Drift = 0.4 dB

Test Date = 11/09/04  
Ambient Temperature = 25.0 degree.c  
Liquid Temperature = Before 24.2 degree.C , After 24.2 degree.C



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## WT-2A / Head / ANT.A\_SIDE / OFDM QPSK / 2437MHz

Crest factor: 1  
Medium: HSL2450 ( $\sigma = 1.85$  mho/m,  $\epsilon_r = 35.9$ ,  $\rho = 1000$  kg/m<sup>3</sup>)  
Phantom section: Flat Section

DASY4 Configuration:

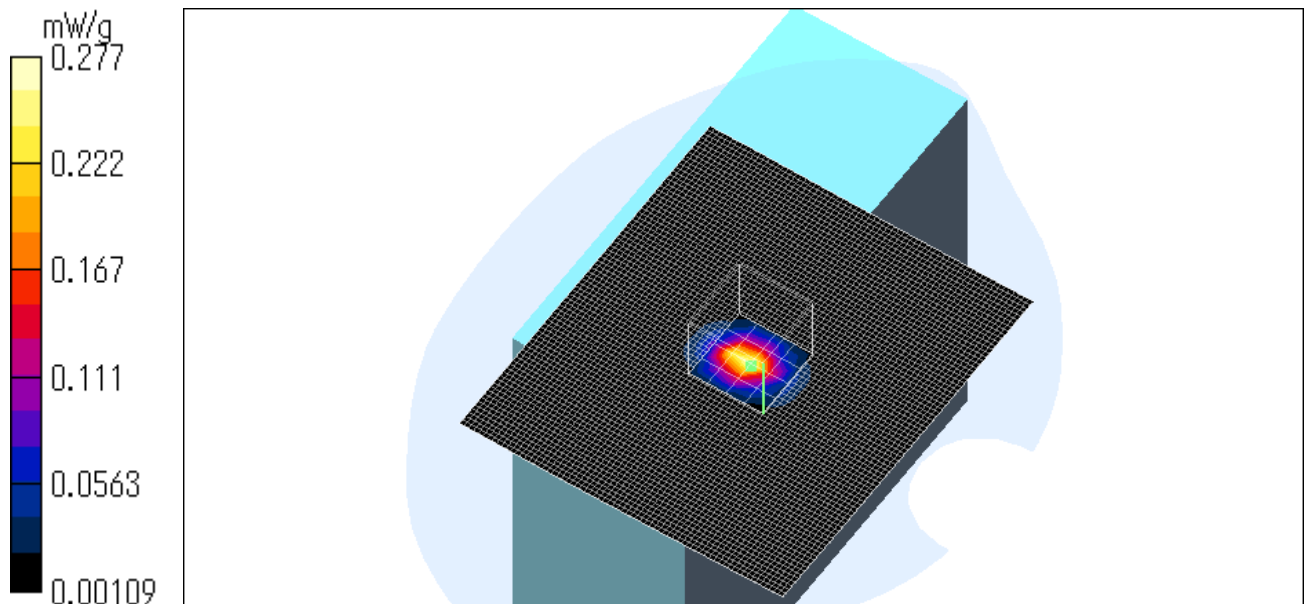
- Probe: ET3DV6 - SN1684; ConvF(4.39, 4.39, 4.39); Calibrated: 2004/09/02
- Sensor-Surface: 4mm (Mechanical And Optical Surface Detection)
- Phantom: SAM 1196
- Measurement SW: DASY4, V4.1 Build 47; Postprocessing SW: SEMCAD, V1.6 Build 115

**Area Scan (71x81x1):** Measurement grid: dx=20mm, dy=20mm  
Maximum value of SAR = 0.179 mW/g

**Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm  
Peak SAR (extrapolated) = 0.685 W/kg  
**SAR(1 g) = 0.249 mW/g; SAR(10 g) = 0.0863 mW/g**  
Maximum value of SAR = 0.277 mW/g

Reference Value = 12.8 V/m  
Power Drift = 0.3 dB

Test Date = 11/09/04  
Ambient Temperature = 25.0 degree.c  
Liquid Temperature = Before 24.2 degree.C , After 24.2 degree.C



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**WT-2A/ Head / ANT.B\_BACK / OFDM QPSK / 2437MHz**

Crest factor: 1  
Medium: HSL2450 ( $\sigma = 1.85$  mho/m,  $\epsilon_r = 35.9$ ,  $\rho = 1000$  kg/m<sup>3</sup>)  
Phantom section: Flat Section

DASY4 Configuration:

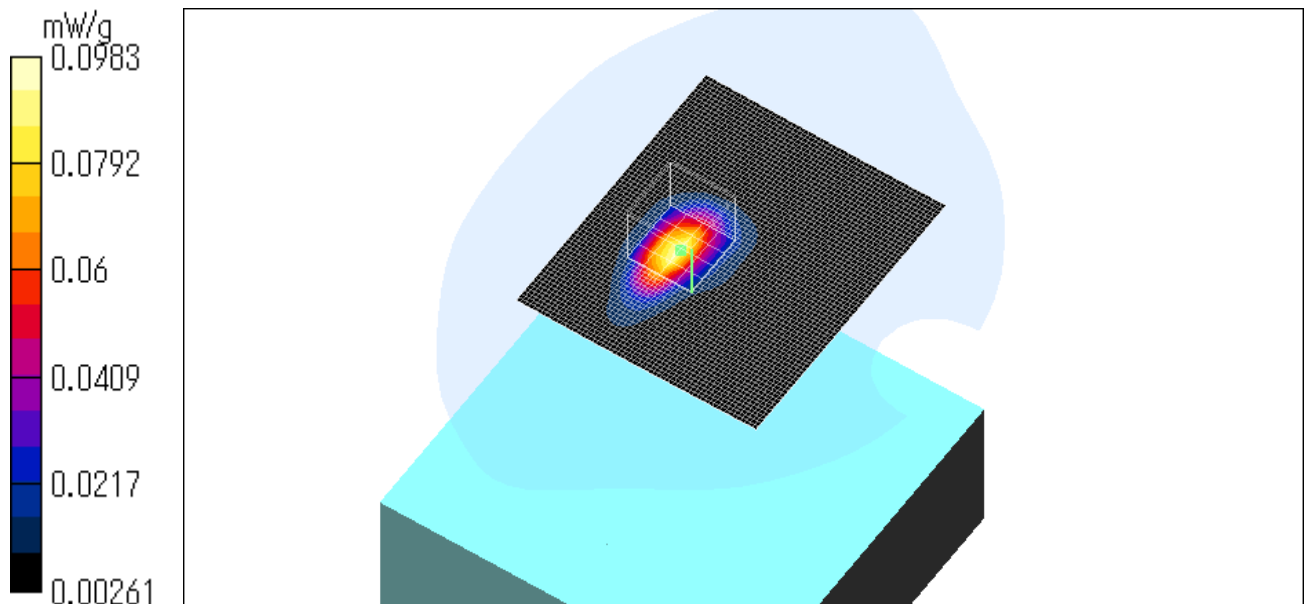
- Probe: ET3DV6 - SN1684; ConvF(4.39, 4.39, 4.39); Calibrated: 2004/09/02
- Sensor-Surface: 4mm (Mechanical And Optical Surface Detection)
- Phantom: SAM 1196
- Measurement SW: DASY4, V4.1 Build 47; Postprocessing SW: SEMCAD, V1.6 Build 115

**Area Scan (61x71x1):** Measurement grid: dx=20mm, dy=20mm  
Maximum value of SAR = 0.102 mW/g

**Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm  
Peak SAR (extrapolated) = 0.194 W/kg  
**SAR(1 g) = 0.0907 mW/g; SAR(10 g) = 0.0424 mW/g**  
Maximum value of SAR = 0.0983 mW/g

Reference Value = 3 V/m  
Power Drift = -0.03 dB

Test Date = 11/09/04  
Ambient Temperature = 25.0 degree.c  
Liquid Temperature = Before 24.4 degree.C , After 24.4 degree.C



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**WT-2A / Head / ANT.B\_BOTTOM / OFDM QPSK / 2437MHz**

Crest factor: 1  
Medium: HSL2450 ( $\sigma = 1.85$  mho/m,  $\epsilon_r = 35.9$ ,  $\rho = 1000$  kg/m<sup>3</sup>)  
Phantom section: Flat Section

DASY4 Configuration:

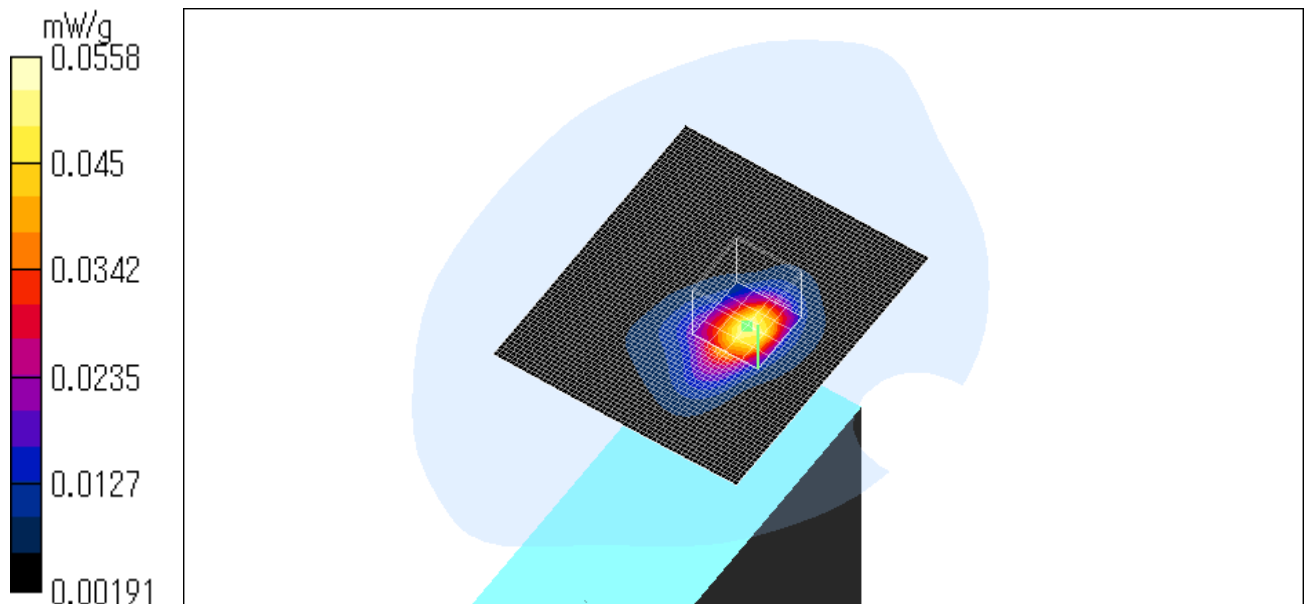
- Probe: ET3DV6 - SN1684; ConvF(4.39, 4.39, 4.39); Calibrated: 2004/09/02
- Sensor-Surface: 4mm (Mechanical And Optical Surface Detection)
- Phantom: SAM 1196
- Measurement SW: DASY4, V4.1 Build 47; Postprocessing SW: SEMCAD, V1.6 Build 115

**Area Scan (61x71x1):** Measurement grid: dx=20mm, dy=20mm  
Maximum value of SAR = 0.0543 mW/g

**Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm  
Peak SAR (extrapolated) = 0.119 W/kg  
**SAR(1 g) = 0.0537 mW/g; SAR(10 g) = 0.026 mW/g**  
Maximum value of SAR = 0.0558 mW/g

Reference Value = 3.05 V/m  
Power Drift = -0.2 dB

Test Date = 11/09/04  
Ambient Temperature = 25.0 degree.c  
Liquid Temperature = Before 24.4 degree.C , After 24.4 degree.C



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**WT-2A / Head / ANT.C\_BACK / OFDM QPSK / 2437MHz**

Crest factor: 1  
Medium: HSL2450 ( $\sigma = 1.85$  mho/m,  $\epsilon_r = 35.9$ ,  $\rho = 1000$  kg/m<sup>3</sup>)  
Phantom section: Flat Section

DASY4 Configuration:

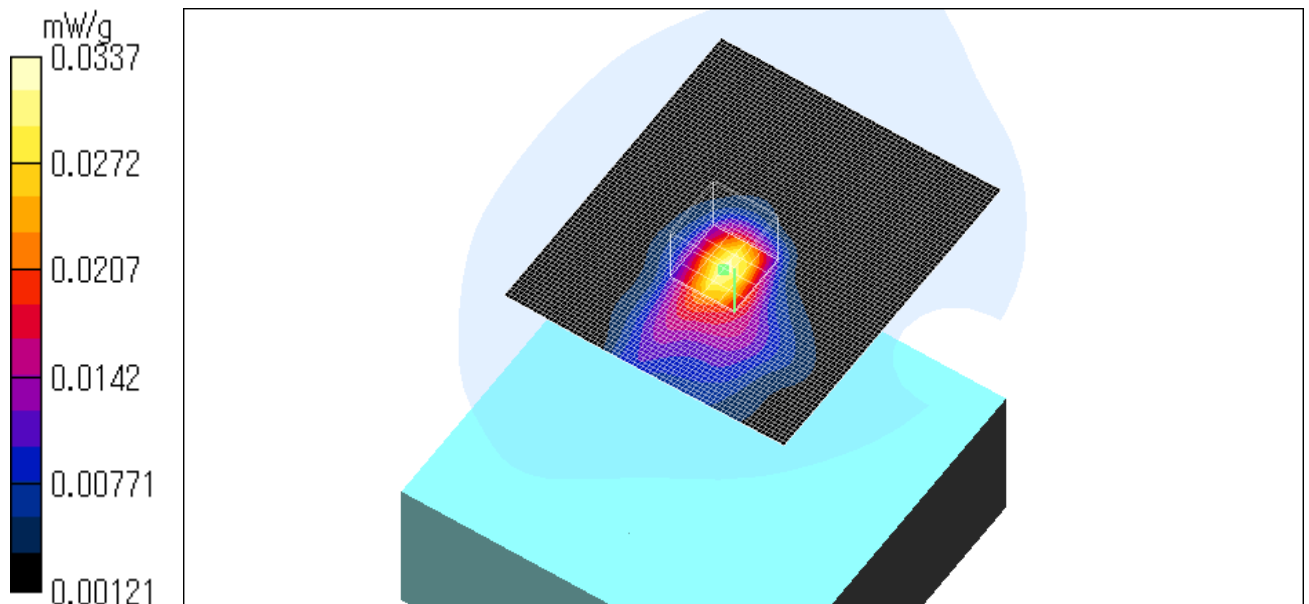
- Probe: ET3DV6 - SN1684; ConvF(4.39, 4.39, 4.39); Calibrated: 2004/09/02
- Sensor-Surface: 4mm (Mechanical And Optical Surface Detection)
- Phantom: SAM 1196
- Measurement SW: DASY4, V4.1 Build 47; Postprocessing SW: SEMCAD, V1.6 Build 115

**Area Scan (71x81x1):** Measurement grid: dx=20mm, dy=20mm  
Maximum value of SAR = 0.0304 mW/g

**Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm  
Peak SAR (extrapolated) = 0.0581 W/kg  
**SAR(1 g) = 0.0314 mW/g; SAR(10 g) = 0.0166 mW/g**  
Maximum value of SAR = 0.0337 mW/g

Reference Value = 3.6 V/m  
Power Drift = 0.09 dB

Test Date = 11/09/04  
Ambient Temperature = 25.0 degree.c  
Liquid Temperature = Before 24.3 degree.C , After 24.4 degree.C





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**WT-2A / Head / ANT.A\_SIDE / OFDM QPSK / 2412MHz**

Crest factor: 1  
Medium: HSL2450 ( $\sigma = 1.85$  mho/m,  $\epsilon_r = 35.9$ ,  $\rho = 1000$  kg/m<sup>3</sup>)  
Phantom section: Flat Section

DASY4 Configuration:

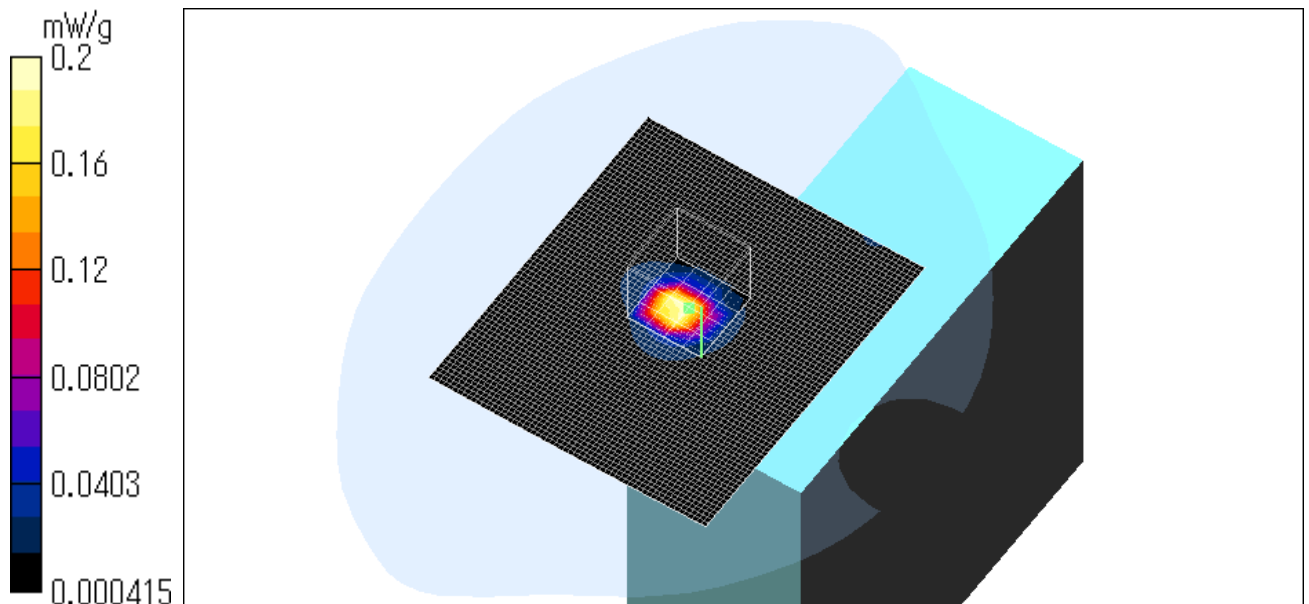
- Probe: ET3DV6 - SN1684; ConvF(4.39, 4.39, 4.39); Calibrated: 2004/09/02
- Sensor-Surface: 4mm (Mechanical And Optical Surface Detection)
- Phantom: SAM 1196
- Measurement SW: DASY4, V4.1 Build 47; Postprocessing SW: SEMCAD, V1.6 Build 115

**Area Scan (61x71x1):** Measurement grid: dx=20mm, dy=20mm  
Maximum value of SAR = 0.176 mW/g

**Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm  
Peak SAR (extrapolated) = 0.569 W/kg  
**SAR(1 g) = 0.212 mW/g; SAR(10 g) = 0.0738 mW/g**  
Maximum value of SAR = 0.2 mW/g

Reference Value = 10.6 V/m  
Power Drift = 0.02 dB

Test Date = 11/09/04  
Ambient Temperature = 25.0 degree.c  
Liquid Temperature = Before 24.2 degree.C , After 24.2 degree.C



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## WT-2A / Head / ANT.A\_SIDE / OFDM QPSK / 2462MHz

Crest factor: 1  
Medium: HSL2450 ( $\sigma = 1.85$  mho/m,  $\epsilon_r = 35.9$ ,  $\rho = 1000$  kg/m<sup>3</sup>)  
Phantom section: Flat Section

DASY4 Configuration:

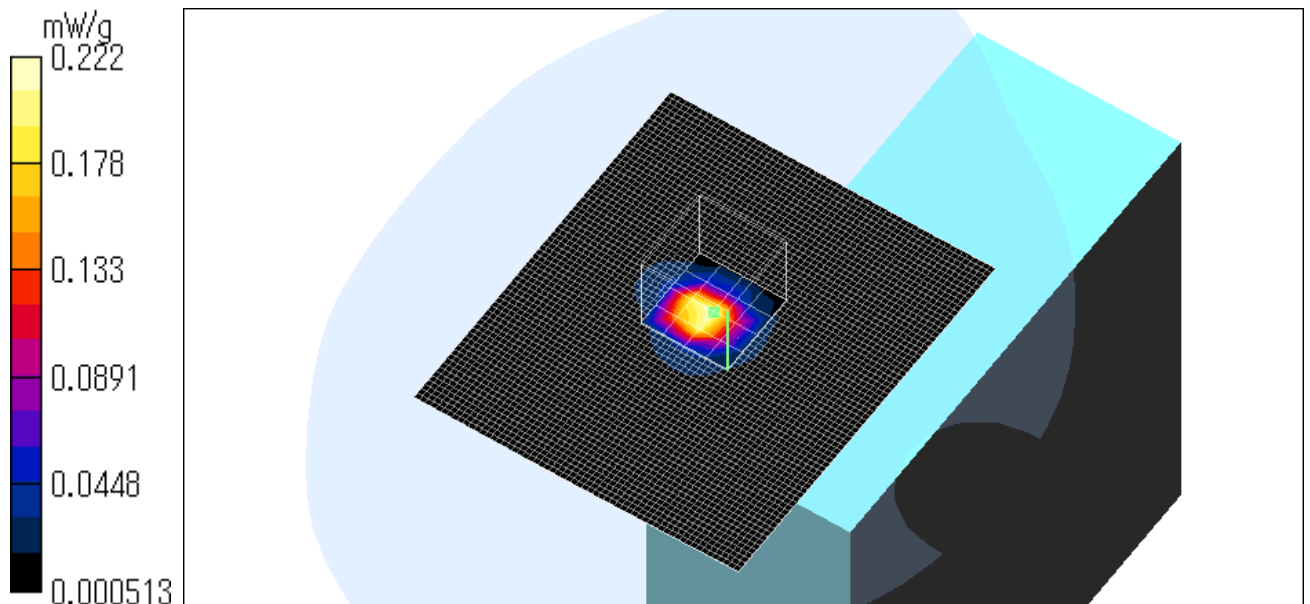
- Probe: ET3DV6 - SN1684; ConvF(4.39, 4.39, 4.39); Calibrated: 2004/09/02
- Sensor-Surface: 4mm (Mechanical And Optical Surface Detection)
- Phantom: SAM 1196
- Measurement SW: DASY4, V4.1 Build 47; Postprocessing SW: SEMCAD, V1.6 Build 115

**Area Scan (61x71x1):** Measurement grid: dx=20mm, dy=20mm  
Maximum value of SAR = 0.177 mW/g

**Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm  
Peak SAR (extrapolated) = 0.63 W/kg  
**SAR(1 g) = 0.229 mW/g; SAR(10 g) = 0.0785 mW/g**  
Maximum value of SAR = 0.222 mW/g

Reference Value = 11.3 V/m  
Power Drift = -0.3 dB

Test Date = 11/09/04  
Ambient Temperature = 25.0 degree.c  
Liquid Temperature = Before 24.4 degree.C , After 24.4 degree.C



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**WT-2A / Body / ANT.A\_BACK / DSSS / 2437MHz**

Crest factor: 1  
Medium: M2450 ( $\sigma = 2$  mho/m,  $\epsilon_r = 50.1$ ,  $\rho = 1000$  kg/m<sup>3</sup>)  
Phantom section: Flat Section

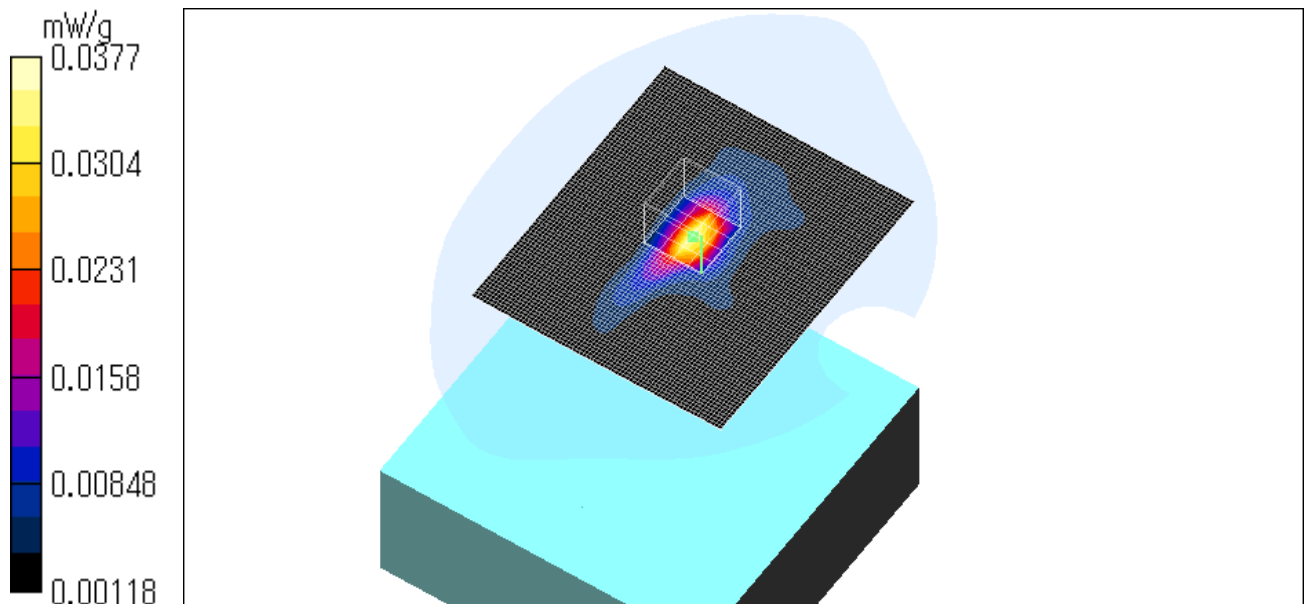
DASY4 Configuration:  
- Probe: ET3DV6 - SN1684; ConvF(4.14, 4.14, 4.14); Calibrated: 2004/09/02  
- Sensor-Surface: 4mm (Mechanical And Optical Surface Detection)  
- Phantom: SAM 1196  
- Measurement SW: DASY4, V4.1 Build 47; Postprocessing SW: SEMCAD, V1.6 Build 115

**Area Scan (71x81x1):** Measurement grid: dx=20mm, dy=20mm  
Maximum value of SAR = 0.0325 mW/g

**Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm  
Peak SAR (extrapolated) = 0.0819 W/kg  
**SAR(1 g) = 0.0361 mW/g; SAR(10 g) = 0.0171 mW/g**  
Maximum value of SAR = 0.0377 mW/g

Reference Value = 4.67 V/m  
Power Drift = -0.1 dB

Test Date = 11/10/04  
Ambient Temperature = 24.5degree.c  
Liquid Temperature = Before 23.0 degree.C , After 23.0degree.C



**WT-2A / Body / ANT.A\_BOTTOM / DSSS / 2437MHz**

Crest factor: 1  
Medium: M2450 ( $\sigma = 2$  mho/m,  $\epsilon_r = 50.1$ ,  $\rho = 1000$  kg/m<sup>3</sup>)  
Phantom section: Flat Section

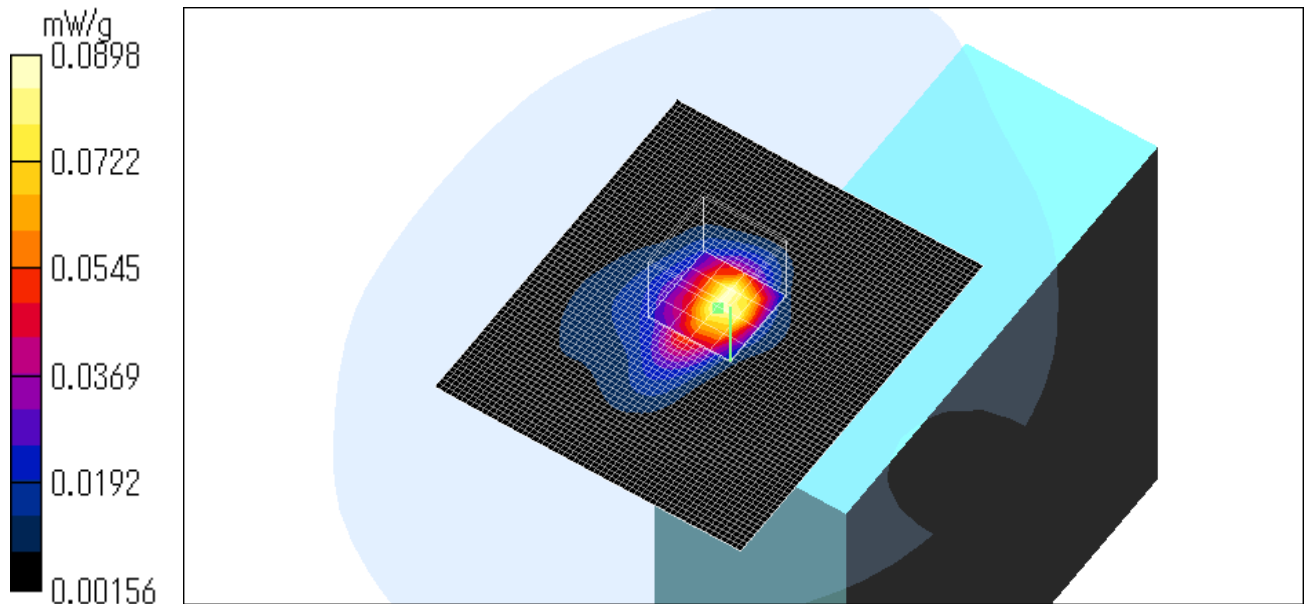
DASY4 Configuration:  
- Probe: ET3DV6 - SN1684; ConvF(4.14, 4.14, 4.14); Calibrated: 2004/09/02  
- Sensor-Surface: 4mm (Mechanical And Optical Surface Detection)  
- Phantom: SAM 1196  
- Measurement SW: DASY4, V4.1 Build 47; Postprocessing SW: SEMCAD, V1.6 Build 115

**Area Scan (61x71x1):** Measurement grid: dx=20mm, dy=20mm  
Maximum value of SAR = 0.11 mW/g

**Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm  
Peak SAR (extrapolated) = 0.201 W/kg  
**SAR(1 g) = 0.0899 mW/g; SAR(10 g) = 0.0419 mW/g**  
Maximum value of SAR = 0.0898 mW/g

Reference Value = 6.66 V/m  
Power Drift = -0.4 dB

Test Date = 11/10/04  
Ambient Temperature = 24.5degree.c  
Liquid Temperature = Before 23.1 degree.C , After 23.1degree.C



**WT-2A / Body / ANT.A\_SIDE / DSSS / 2437MHz**

Crest factor: 1  
Medium: M2450 ( $\sigma = 2$  mho/m,  $\epsilon_r = 50.1$ ,  $\rho = 1000$  kg/m<sup>3</sup>)  
Phantom section: Flat Section

DASY4 Configuration:

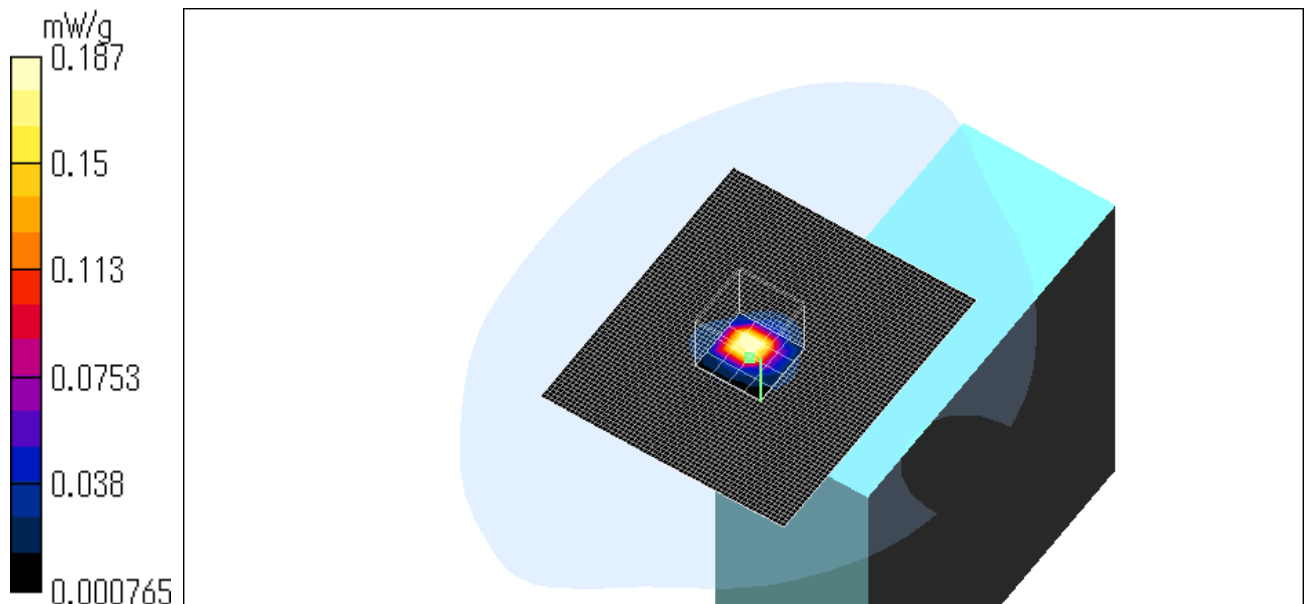
- Probe: ET3DV6 - SN1684; ConvF(4.14, 4.14, 4.14); Calibrated: 2004/09/02
- Sensor-Surface: 4mm (Mechanical And Optical Surface Detection)
- Phantom: SAM 1196
- Measurement SW: DASY4, V4.1 Build 47; Postprocessing SW: SEMCAD, V1.6 Build 115

**Area Scan (61x71x1):** Measurement grid: dx=20mm, dy=20mm  
Maximum value of SAR = 0.11 mW/g

**Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm  
Peak SAR (extrapolated) = 0.644 W/kg  
**SAR(1 g) = 0.214 mW/g; SAR(10 g) = 0.0701 mW/g**  
Maximum value of SAR = 0.187 mW/g

Reference Value = 11.3 V/m  
Power Drift = -0.4 dB

Test Date = 11/10/04  
Ambient Temperature = 24.5degree.c  
Liquid Temperature = Before 23.1 degree.C , After 23.1degree.C



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**WT-2A / Body / ANT.B\_BACK / DSSS / 2437MHz**

Crest factor: 1  
Medium: M2450 ( $\sigma = 2$  mho/m,  $\epsilon_r = 50.1$ ,  $\rho = 1000$  kg/m<sup>3</sup>)  
Phantom section: Flat Section

DASY4 Configuration:

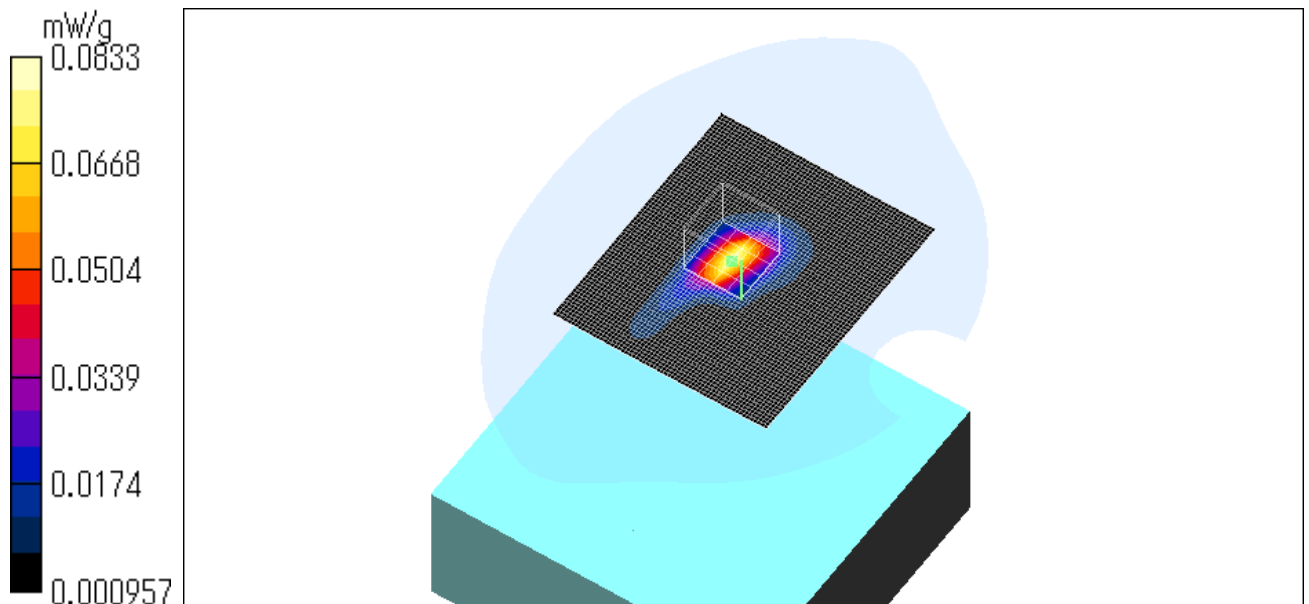
- Probe: ET3DV6 - SN1684; ConvF(4.14, 4.14, 4.14); Calibrated: 2004/09/02
- Sensor-Surface: 4mm (Mechanical And Optical Surface Detection)
- Phantom: SAM 1196
- Measurement SW: DASY4, V4.1 Build 47; Postprocessing SW: SEMCAD, V1.6 Build 115

**Area Scan (61x71x1):** Measurement grid: dx=20mm, dy=20mm  
Maximum value of SAR = 0.0678 mW/g

**Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm  
Peak SAR (extrapolated) = 0.156 W/kg  
**SAR(1 g) = 0.0738 mW/g; SAR(10 g) = 0.0351 mW/g**  
Maximum value of SAR = 0.0833 mW/g

Reference Value = 5.21 V/m  
Power Drift = -0.4 dB

Test Date = 11/10/04  
Ambient Temperature = 24.5degree.c  
Liquid Temperature = Before 23.2 degree.C , After 23.2degree.C



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**WT-2A / Body / ANT.B\_BOTTOM / DSSS / 2437MHz**

Crest factor: 1  
Medium: M2450 ( $\sigma = 2$  mho/m,  $\epsilon_r = 50.1$ ,  $\rho = 1000$  kg/m<sup>3</sup>)  
Phantom section: Flat Section

DASY4 Configuration:

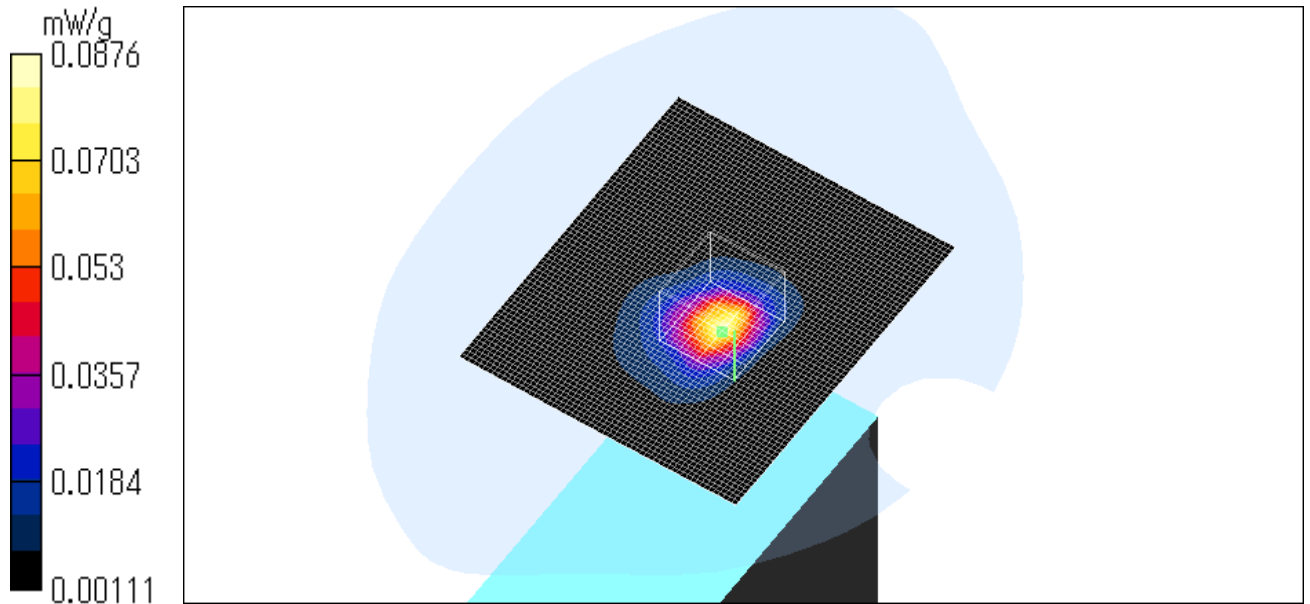
- Probe: ET3DV6 - SN1684; ConvF(4.14, 4.14, 4.14); Calibrated: 2004/09/02
- Sensor-Surface: 4mm (Mechanical And Optical Surface Detection)
- Phantom: SAM 1196
- Measurement SW: DASY4, V4.1 Build 47; Postprocessing SW: SEMCAD, V1.6 Build 115

**Area Scan (61x71x1):** Measurement grid: dx=20mm, dy=20mm  
Maximum value of SAR = 0.0734 mW/g

**Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm  
Peak SAR (extrapolated) = 0.176 W/kg  
**SAR(1 g) = 0.0808 mW/g; SAR(10 g) = 0.037 mW/g**  
Maximum value of SAR = 0.0876 mW/g

Reference Value = 4.78 V/m  
Power Drift = -0.002 dB

Test Date = 11/10/04  
Ambient Temperature = 24.5degree.c  
Liquid Temperature = Before 23.2 degree.C , After 23.2degree.C





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**WT-2A / Body / ANT.C\_BACK / DSSS / 2437MHz**

Crest factor: 1  
Medium: M2450 ( $\sigma = 2$  mho/m,  $\epsilon_r = 50.1$ ,  $\rho = 1000$  kg/m<sup>3</sup>)  
Phantom section: Flat Section

DASY4 Configuration:

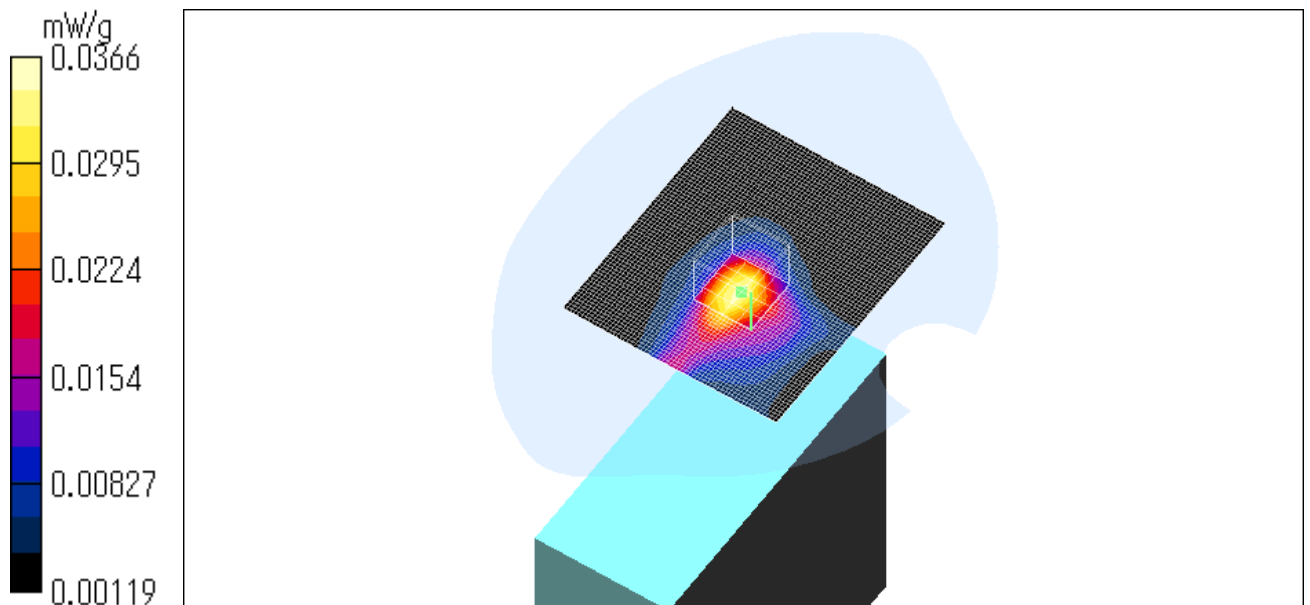
- Probe: ET3DV6 - SN1684; ConvF(4.14, 4.14, 4.14); Calibrated: 2004/09/02
- Sensor-Surface: 4mm (Mechanical And Optical Surface Detection)
- Phantom: SAM 1196
- Measurement SW: DASY4, V4.1 Build 47; Postprocessing SW: SEMCAD, V1.6 Build 115

**Area Scan (61x71x1):** Measurement grid: dx=20mm, dy=20mm  
Maximum value of SAR = 0.0362 mW/g

**Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm  
Peak SAR (extrapolated) = 0.0675 W/kg  
**SAR(1 g) = 0.0345 mW/g; SAR(10 g) = 0.0191 mW/g**  
Maximum value of SAR = 0.0366 mW/g

Reference Value = 3.36 V/m  
Power Drift = -0.2 dB

Test Date = 11/10/04  
Ambient Temperature = 24.5degree.c  
Liquid Temperature = Before 23.2 degree.C , After 23.2degree.C





**WT-2A / Body / ANTA\_SIDE / DSSS / 2412MHz**

Crest factor: 1  
Medium: M2450 ( $\sigma = 2$  mho/m,  $\epsilon_r = 50.1$ ,  $\rho = 1000$  kg/m<sup>3</sup>)  
Phantom section: Flat Section

DASY4 Configuration:

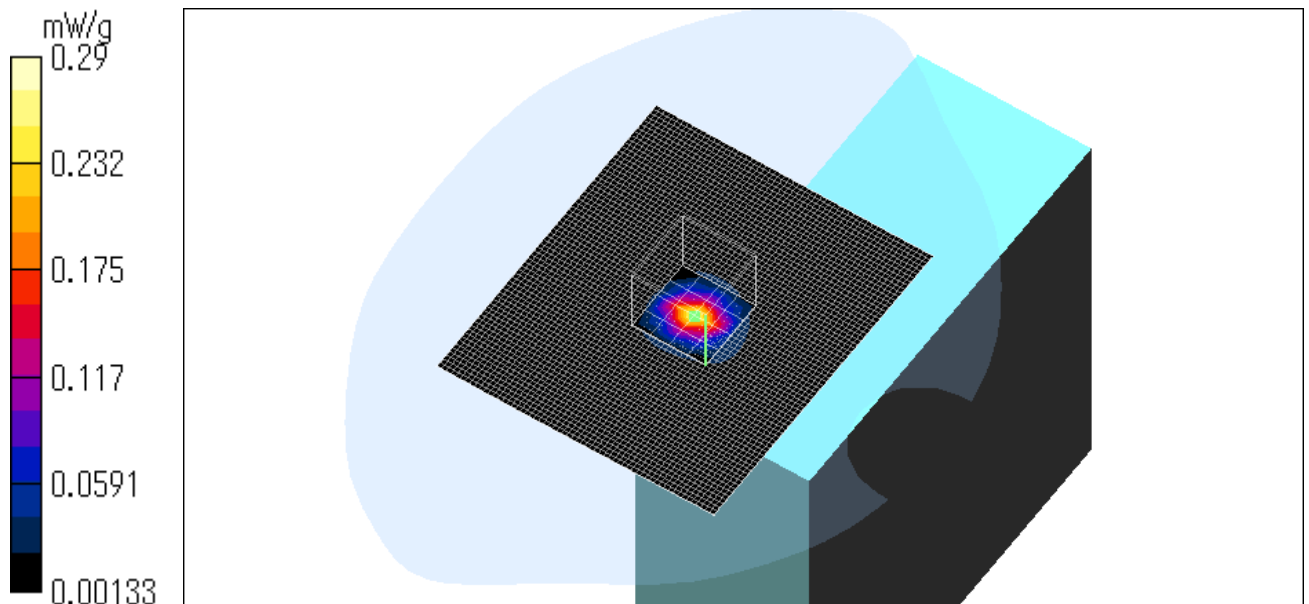
- Probe: ET3DV6 - SN1684; ConvF(4.14, 4.14, 4.14); Calibrated: 2004/09/02
- Sensor-Surface: 4mm (Mechanical And Optical Surface Detection)
- Phantom: SAM 1196
- Measurement SW: DASY4, V4.1 Build 47; Postprocessing SW: SEMCAD, V1.6 Build 115

**Area Scan (61x71x1):** Measurement grid: dx=20mm, dy=20mm  
Maximum value of SAR = 0.113 mW/g

**Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm  
Peak SAR (extrapolated) = 0.659 W/kg  
**SAR(1 g) = 0.24 mW/g; SAR(10 g) = 0.0836 mW/g**  
Maximum value of SAR = 0.29 mW/g

Reference Value = 11.2 V/m  
Power Drift = 0.2 dB

Test Date = 11/10/04  
Ambient Temperature = 24.5degree.c  
Liquid Temperature = Before 23.3 degree.C , After 23.4degree.C



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**WT-2A / Body / ANT.A\_SIDE / DSSS / 2462MHz**

Crest factor: 1  
Medium: M2450 ( $\sigma = 2$  mho/m,  $\epsilon_r = 50.1$ ,  $\rho = 1000$  kg/m<sup>3</sup>)  
Phantom section: Flat Section

DASY4 Configuration:

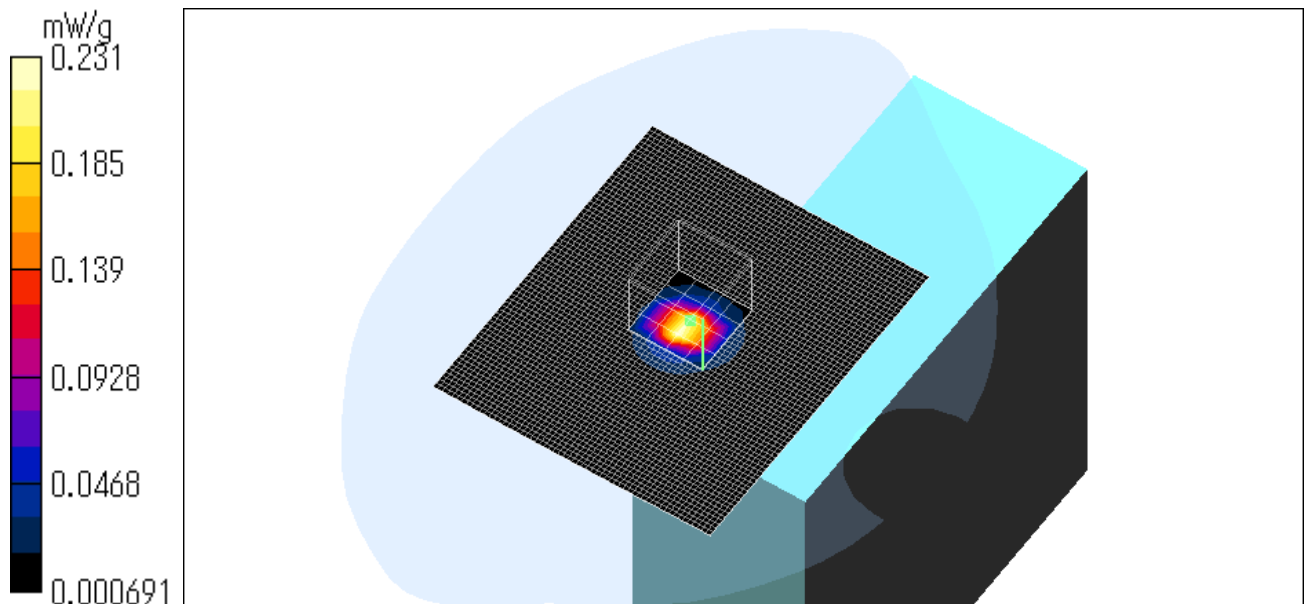
- Probe: ET3DV6 - SN1684; ConvF(4.14, 4.14, 4.14); Calibrated: 2004/09/02
- Sensor-Surface: 4mm (Mechanical And Optical Surface Detection)
- Phantom: SAM 1196
- Measurement SW: DASY4, V4.1 Build 47; Postprocessing SW: SEMCAD, V1.6 Build 115

**Area Scan (61x71x1):** Measurement grid: dx=20mm, dy=20mm  
Maximum value of SAR = 0.133 mW/g

**Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm  
Peak SAR (extrapolated) = 0.653 W/kg  
**SAR(1 g) = 0.231 mW/g; SAR(10 g) = 0.0791 mW/g**  
Maximum value of SAR = 0.231 mW/g

Reference Value = 11.9 V/m  
Power Drift = 0.1 dB

Test Date = 11/10/04  
Ambient Temperature = 24.5degree.c  
Liquid Temperature = Before 23.3 degree.C , After 23.3 degree.C



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**WT-2A / Body / ANT.A\_BACK / OFDM 64QAM / 2437MHz**

Crest factor: 1  
Medium: M2450 ( $\sigma = 2$  mho/m,  $\epsilon_r = 50.1$ ,  $\rho = 1000$  kg/m<sup>3</sup>)  
Phantom section: Flat Section

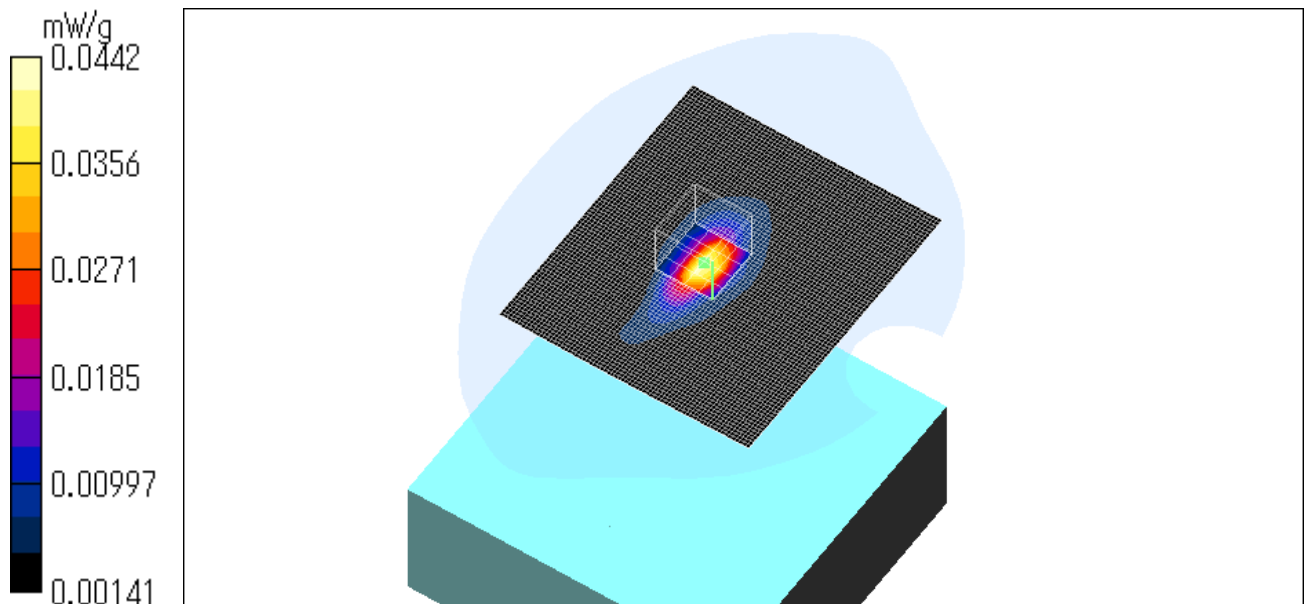
DASY4 Configuration:  
- Probe: ET3DV6 - SN1684; ConvF(4.14, 4.14, 4.14); Calibrated: 2004/09/02  
- Sensor-Surface: 4mm (Mechanical And Optical Surface Detection)  
- Phantom: SAM 1196  
- Measurement SW: DASY4, V4.1 Build 47; Postprocessing SW: SEMCAD, V1.6 Build 115

**Area Scan (71x81x1):** Measurement grid: dx=20mm, dy=20mm  
Maximum value of SAR = 0.0364 mW/g

**Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm  
Peak SAR (extrapolated) = 0.105 W/kg  
**SAR(1 g) = 0.0438 mW/g; SAR(10 g) = 0.0199 mW/g**  
Maximum value of SAR = 0.0442 mW/g

Reference Value = 4.4 V/m  
Power Drift = -0.1 dB

Test Date = 11/10/04  
Ambient Temperature = 24.5degree.c  
Liquid Temperature = Before 23.0 degree.C , After 23.0degree.C



**WT-2A / Body / ANT.A\_BOTTOM / OFDM 64QAM / 2437MHz**

Crest factor: 1  
Medium: M2450 ( $\sigma = 2$  mho/m,  $\epsilon_r = 50.1$ ,  $\rho = 1000$  kg/m<sup>3</sup>)  
Phantom section: Flat Section

DASY4 Configuration:

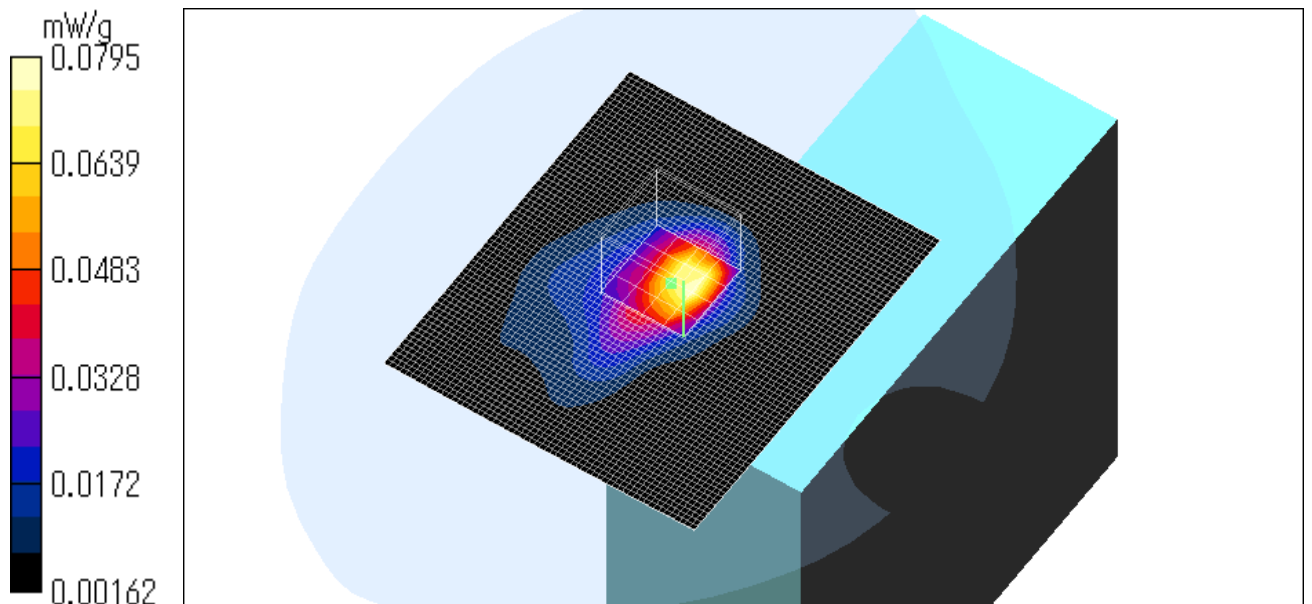
- Probe: ET3DV6 - SN1684; ConvF(4.14, 4.14, 4.14); Calibrated: 2004/09/02
- Sensor-Surface: 4mm (Mechanical And Optical Surface Detection)
- Phantom: SAM 1196
- Measurement SW: DASY4, V4.1 Build 47; Postprocessing SW: SEMCAD, V1.6 Build 115

**Area Scan (61x71x1):** Measurement grid: dx=20mm, dy=20mm  
Maximum value of SAR = 0.08 mW/g

**Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm  
Peak SAR (extrapolated) = 0.177 W/kg  
**SAR(1 g) = 0.0777 mW/g; SAR(10 g) = 0.037 mW/g**  
Maximum value of SAR = 0.0795 mW/g

Reference Value = 5.73 V/m  
Power Drift = -0.08 dB

Test Date = 11/10/04  
Ambient Temperature = 24.5degree.c  
Liquid Temperature = Before 23.1 degree.C , After 23.1degree.C



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**WT-2A/ Body / ANT.A\_SIDE / OFDM 64QAM / 2437MHz**

Crest factor: 1  
Medium: M2450 ( $\sigma = 2$  mho/m,  $\epsilon_r = 50.1$ ,  $\rho = 1000$  kg/m<sup>3</sup>)  
Phantom section: Flat Section

DASY4 Configuration:

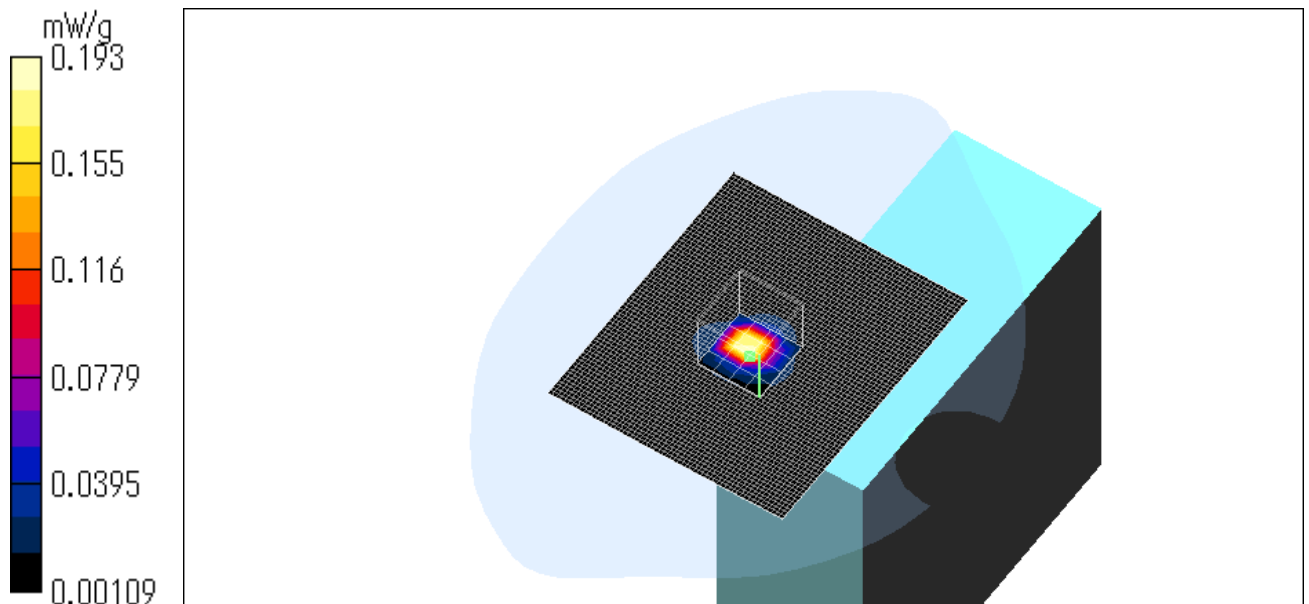
- Probe: ET3DV6 - SN1684; ConvF(4.14, 4.14, 4.14); Calibrated: 2004/09/02
- Sensor-Surface: 4mm (Mechanical And Optical Surface Detection)
- Phantom: SAM 1196
- Measurement SW: DASY4, V4.1 Build 47; Postprocessing SW: SEMCAD, V1.6 Build 115

**Area Scan (61x71x1):** Measurement grid: dx=20mm, dy=20mm  
Maximum value of SAR = 0.118 mW/g

**Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm  
Peak SAR (extrapolated) = 0.631 W/kg  
**SAR(1 g) = 0.214 mW/g; SAR(10 g) = 0.0707 mW/g**  
Maximum value of SAR = 0.193 mW/g

Reference Value = 10.6 V/m  
Power Drift = 0.09 dB

Test Date = 11/10/04  
Ambient Temperature = 24.5degree.c  
Liquid Temperature = Before 23.1 degree.C , After 23.1degree.C



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**WT-2A / Body / ANT.B\_BACK / OFDM 64QAM / 2437MHz**

Crest factor: 1  
Medium: M2450 ( $\sigma = 2$  mho/m,  $\epsilon_r = 50.1$ ,  $\rho = 1000$  kg/m<sup>3</sup>)  
Phantom section: Flat Section

DASY4 Configuration:

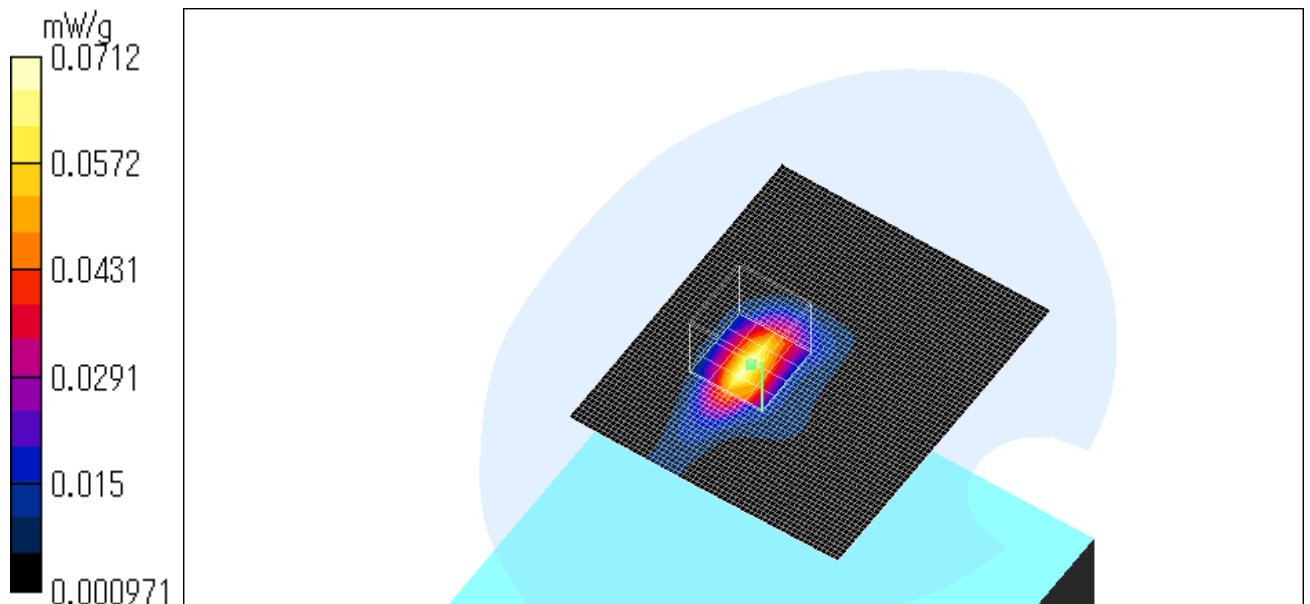
- Probe: ET3DV6 - SN1684; ConvF(4.14, 4.14, 4.14); Calibrated: 2004/09/02
- Sensor-Surface: 4mm (Mechanical And Optical Surface Detection)
- Phantom: SAM 1196
- Measurement SW: DASY4, V4.1 Build 47; Postprocessing SW: SEMCAD, V1.6 Build 115

**Area Scan (61x71x1):** Measurement grid: dx=20mm, dy=20mm  
Maximum value of SAR = 0.0665 mW/g

**Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm  
Peak SAR (extrapolated) = 0.139 W/kg  
**SAR(1 g) = 0.0646 mW/g; SAR(10 g) = 0.0308 mW/g**  
Maximum value of SAR = 0.0712 mW/g

Reference Value = 2.45 V/m  
Power Drift = -0.07 dB

Test Date = 11/10/04  
Ambient Temperature = 24.5degree.c  
Liquid Temperature = Before 23.2 degree.C , After 23.2degree.C



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**WT-2A / Body / ANT.B\_BOTTOM / OFDM 64QAM / 2437MHz**

Crest factor: 1  
Medium: M2450 ( $\sigma = 2$  mho/m,  $\epsilon_r = 50.1$ ,  $\rho = 1000$  kg/m<sup>3</sup>)  
Phantom section: Flat Section

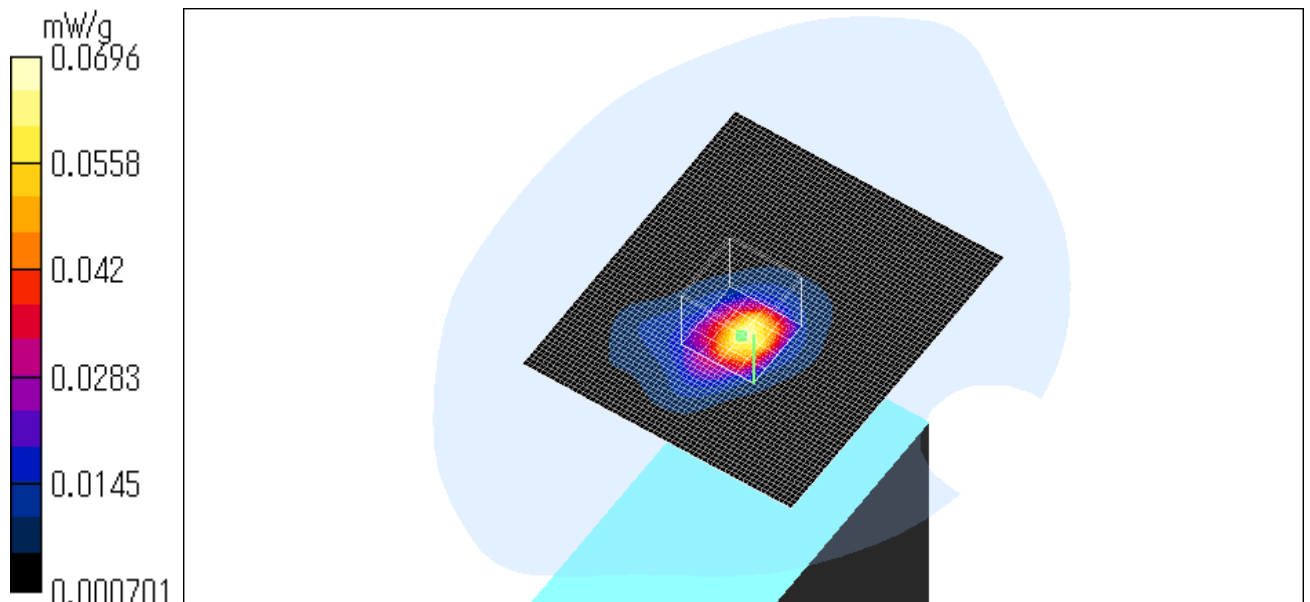
DASY4 Configuration:  
- Probe: ET3DV6 - SN1684; ConvF(4.14, 4.14, 4.14); Calibrated: 2004/09/02  
- Sensor-Surface: 4mm (Mechanical And Optical Surface Detection)  
- Phantom: SAM 1196  
- Measurement SW: DASY4, V4.1 Build 47; Postprocessing SW: SEMCAD, V1.6 Build 115

**Area Scan (61x71x1):** Measurement grid: dx=20mm, dy=20mm  
Maximum value of SAR = 0.07 mW/g

**Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm  
Peak SAR (extrapolated) = 0.14 W/kg  
**SAR(1 g) = 0.0664 mW/g; SAR(10 g) = 0.031 mW/g**  
Maximum value of SAR = 0.0696 mW/g

Reference Value = 4.67 V/m  
Power Drift = -0.3 dB

Test Date = 11/10/04  
Ambient Temperature = 24.5degree.c  
Liquid Temperature = Before 23.2 degree.C , After 23.2degree.C





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**WT-2A / Body / ANT.C\_BACK / OFDM 64QAM / 2437MHz**

Crest factor: 1  
Medium: M2450 ( $\sigma = 2$  mho/m,  $\epsilon_r = 50.1$ ,  $\rho = 1000$  kg/m<sup>3</sup>)  
Phantom section: Flat Section

DASY4 Configuration:

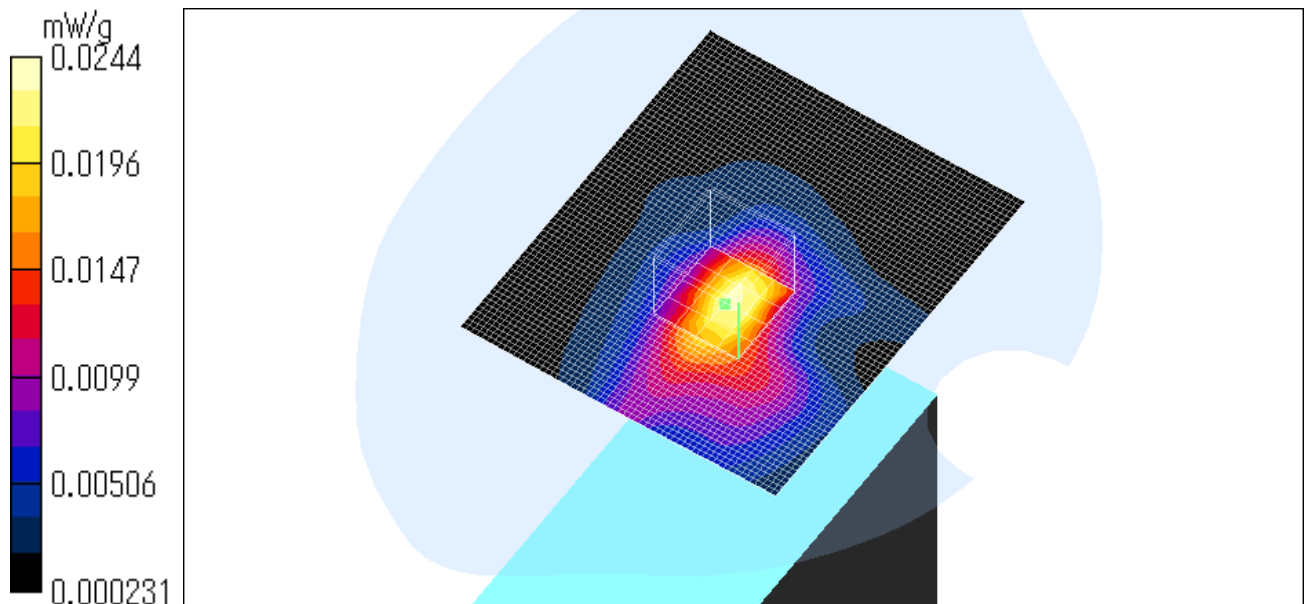
- Probe: ET3DV6 - SN1684; ConvF(4.14, 4.14, 4.14); Calibrated: 2004/09/02
- Sensor-Surface: 4mm (Mechanical And Optical Surface Detection)
- Phantom: SAM 1196
- Measurement SW: DASY4, V4.1 Build 47; Postprocessing SW: SEMCAD, V1.6 Build 115

**Area Scan (61x71x1):** Measurement grid: dx=20mm, dy=20mm  
Maximum value of SAR = 0.0235 mW/g

**Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm  
Peak SAR (extrapolated) = 0.0508 W/kg  
**SAR(1 g) = 0.0237 mW/g; SAR(10 g) = 0.0127 mW/g**  
Maximum value of SAR = 0.0244 mW/g

Reference Value = 3.16 V/m  
Power Drift = 0.08 dB

Test Date = 11/10/04  
Ambient Temperature = 24.5degree.c  
Liquid Temperature = Before 23.1 degree.C , After 23.1degree.C





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**WT-2A/ Body / ANT.A\_SIDE / OFDM 64QAM / 2412MHz**

Crest factor: 1  
Medium: M2450 ( $\sigma = 2$  mho/m,  $\epsilon_r = 50.1$ ,  $\rho = 1000$  kg/m<sup>3</sup>)  
Phantom section: Flat Section

DASY4 Configuration:

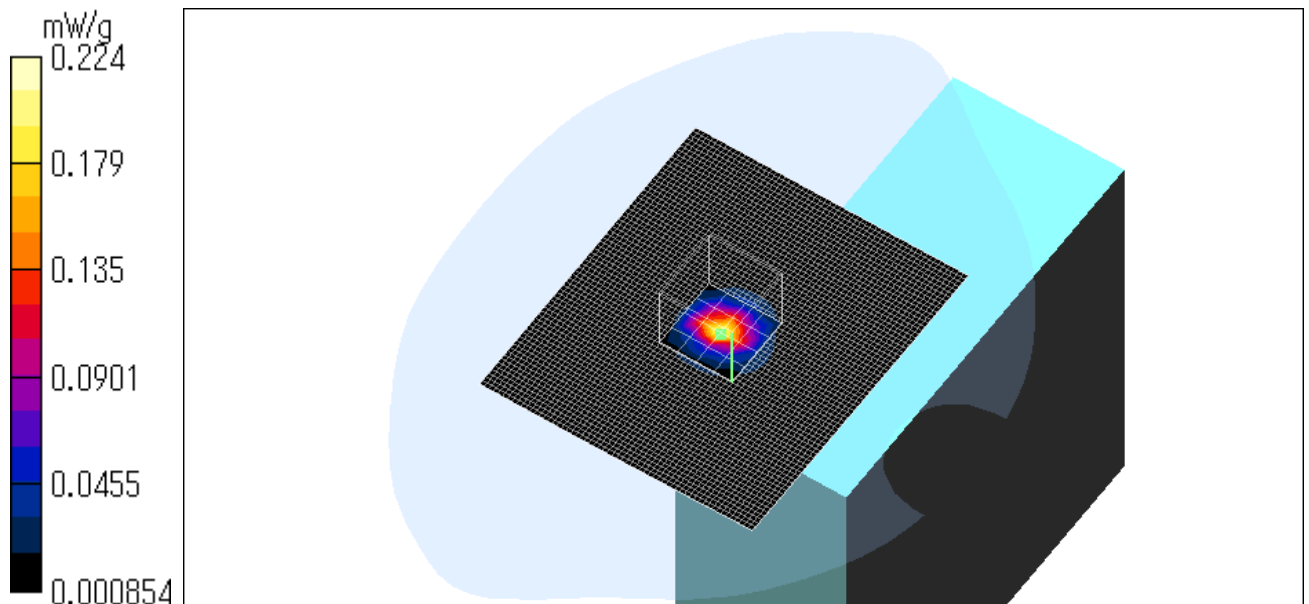
- Probe: ET3DV6 - SN1684; ConvF(4.14, 4.14, 4.14); Calibrated: 2004/09/02
- Sensor-Surface: 4mm (Mechanical And Optical Surface Detection)
- Phantom: SAM 1196
- Measurement SW: DASY4, V4.1 Build 47; Postprocessing SW: SEMCAD, V1.6 Build 115

**Area Scan (61x71x1):** Measurement grid: dx=20mm, dy=20mm  
Maximum value of SAR = 0.105 mW/g

**Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm  
Peak SAR (extrapolated) = 0.51 W/kg  
**SAR(1 g) = 0.189 mW/g; SAR(10 g) = 0.0664 mW/g**  
Maximum value of SAR = 0.224 mW/g

Reference Value = 11.2 V/m  
Power Drift = 0.04 dB

Test Date = 11/10/04  
Ambient Temperature = 24.5degree.c  
Liquid Temperature = Before 23.3 degree.C , After 23.3 degree.C



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**WT-2A/ Body / ANT.A\_SIDE / OFDM 64QAM / 2462MHz**

Crest factor: 1  
Medium: M2450 ( $\sigma = 2$  mho/m,  $\epsilon_r = 50.1$ ,  $\rho = 1000$  kg/m<sup>3</sup>)  
Phantom section: Flat Section

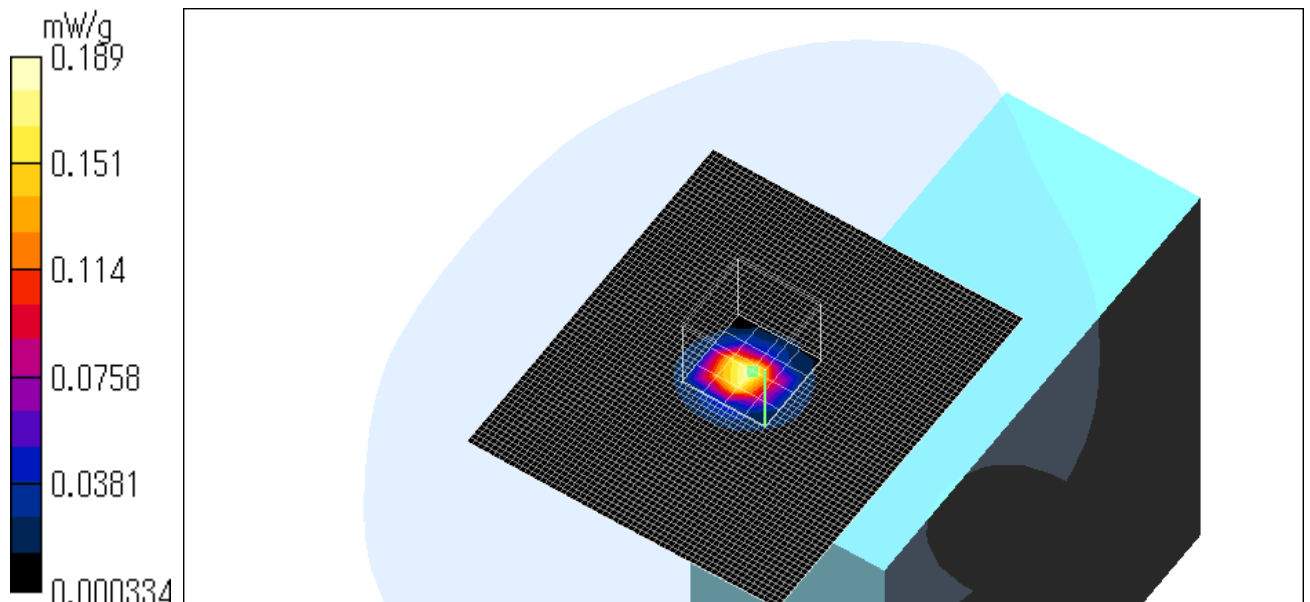
DASY4 Configuration:  
- Probe: ET3DV6 - SN1684; ConvF(4.14, 4.14, 4.14); Calibrated: 2004/09/02  
- Sensor-Surface: 4mm (Mechanical And Optical Surface Detection)  
- Phantom: SAM 1196  
- Measurement SW: DASY4, V4.1 Build 47; Postprocessing SW: SEMCAD, V1.6 Build 115

**Area Scan (61x71x1):** Measurement grid: dx=20mm, dy=20mm  
Maximum value of SAR = 0.0984 mW/g

**Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm  
Peak SAR (extrapolated) = 0.547 W/kg  
**SAR(1 g) = 0.192 mW/g; SAR(10 g) = 0.067 mW/g**  
Maximum value of SAR = 0.189 mW/g

Reference Value = 11.3 V/m  
Power Drift = -0.3 dB

Test Date = 11/10/04  
Ambient Temperature = 24.5degree.c  
Liquid Temperature = Before 23.3 degree.C , After 23.3 degree.C



**WT-2A/ Body / ANT.A\_BACK / OFDM QPSK / 2437MHz**

Crest factor: 1  
Medium: M2450 ( $\sigma = 2$  mho/m,  $\epsilon_r = 50.1$ ,  $\rho = 1000$  kg/m<sup>3</sup>)  
Phantom section: Flat Section

DASY4 Configuration:

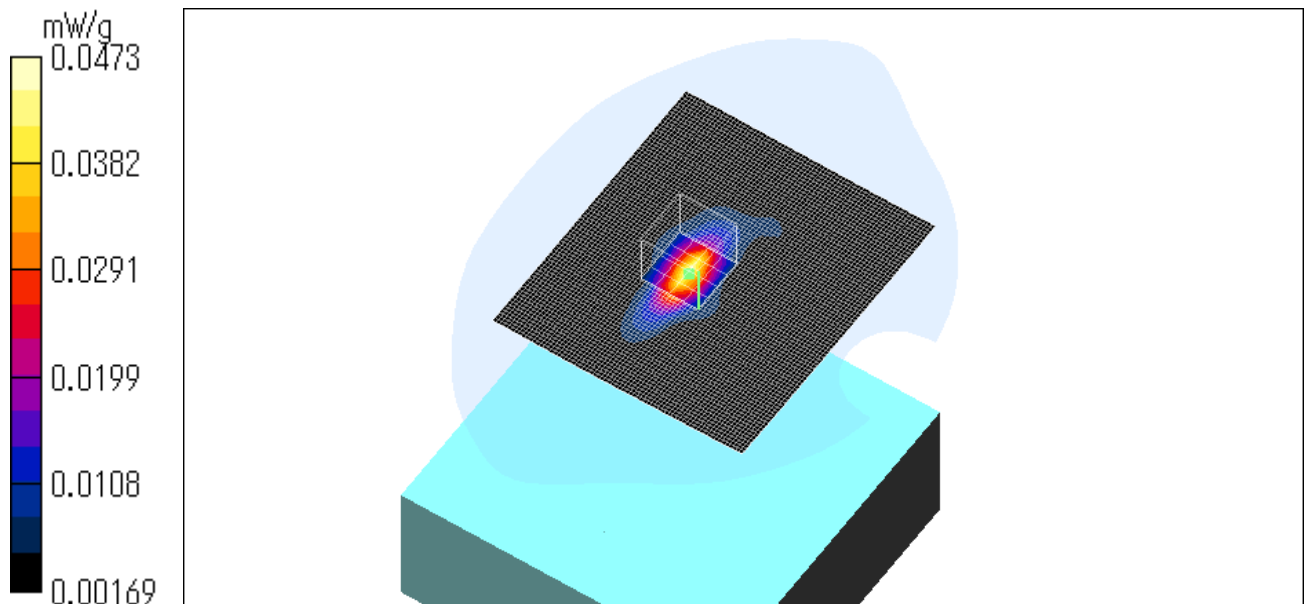
- Probe: ET3DV6 - SN1684; ConvF(4.14, 4.14, 4.14); Calibrated: 2004/09/02
- Sensor-Surface: 4mm (Mechanical And Optical Surface Detection)
- Phantom: SAM 1196
- Measurement SW: DASY4, V4.1 Build 47; Postprocessing SW: SEMCAD, V1.6 Build 115

**Area Scan (71x81x1):** Measurement grid: dx=20mm, dy=20mm  
Maximum value of SAR = 0.0446 mW/g

**Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm  
Peak SAR (extrapolated) = 0.0985 W/kg  
**SAR(1 g) = 0.0424 mW/g; SAR(10 g) = 0.0199 mW/g**  
Maximum value of SAR = 0.0473 mW/g

Reference Value = 3.18 V/m  
Power Drift = 0.05 dB

Test Date = 11/10/04  
Ambient Temperature = 24.5degree.c  
Liquid Temperature = Before 23.0 degree.C , After 23.0degree.C



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**WT-2A/ BODY / ANT.A\_BOTTOM / OFDM QPSK / 2437MHz**

Crest factor: 1  
Medium: M2450 ( $\sigma = 2$  mho/m,  $\epsilon_r = 50.1$ ,  $\rho = 1000$  kg/m<sup>3</sup>)  
Phantom section: Flat Section

DASY4 Configuration:

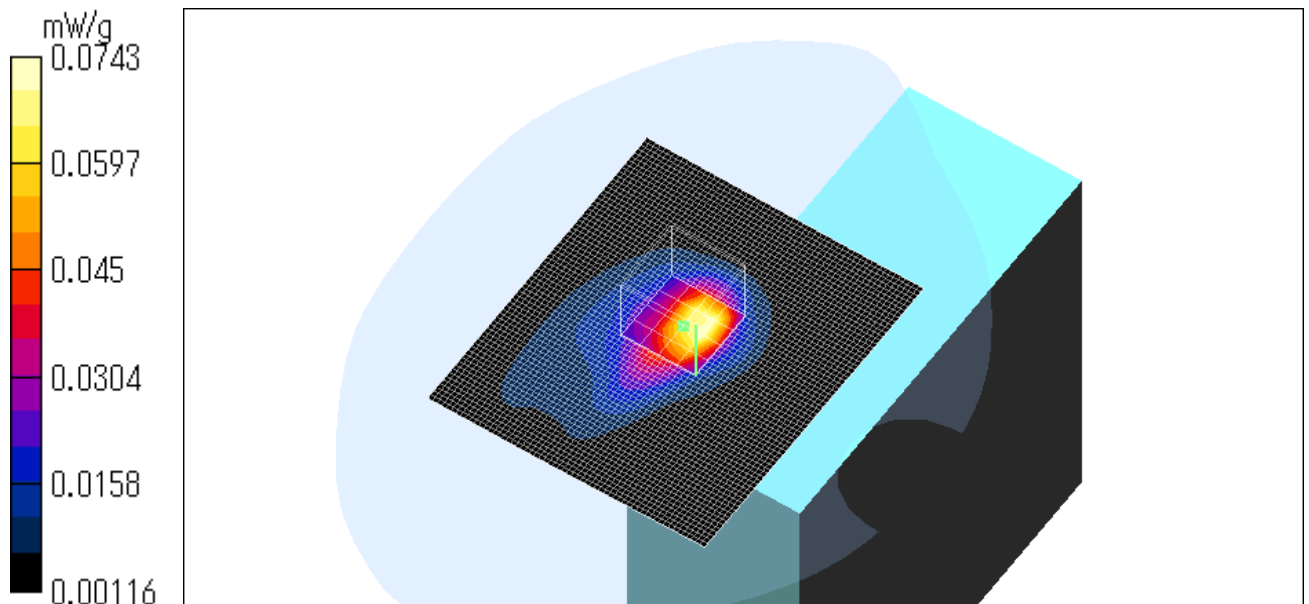
- Probe: ET3DV6 - SN1684; ConvF(4.14, 4.14, 4.14); Calibrated: 2004/09/02
- Sensor-Surface: 4mm (Mechanical And Optical Surface Detection)
- Phantom: SAM 1196
- Measurement SW: DASY4, V4.1 Build 47; Postprocessing SW: SEMCAD, V1.6 Build 115

**Area Scan (61x71x1):** Measurement grid: dx=20mm, dy=20mm  
Maximum value of SAR = 0.0753 mW/g

**Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm  
Peak SAR (extrapolated) = 0.164 W/kg  
**SAR(1 g) = 0.0735 mW/g; SAR(10 g) = 0.0353 mW/g**  
Maximum value of SAR = 0.0743 mW/g

Reference Value = 5.76 V/m  
Power Drift = -0.3 dB

Test Date = 11/10/04  
Ambient Temperature = 24.5degree.c  
Liquid Temperature = Before 23.1 degree.C , After 23.1degree.C



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**WT-2A/ Body / ANT.A\_SIDE / OFDM QPSK / 2437MHz**

Crest factor: 1  
Medium: M2450 ( $\sigma = 2$  mho/m,  $\epsilon_r = 50.1$ ,  $\rho = 1000$  kg/m<sup>3</sup>)  
Phantom section: Flat Section

DASY4 Configuration:

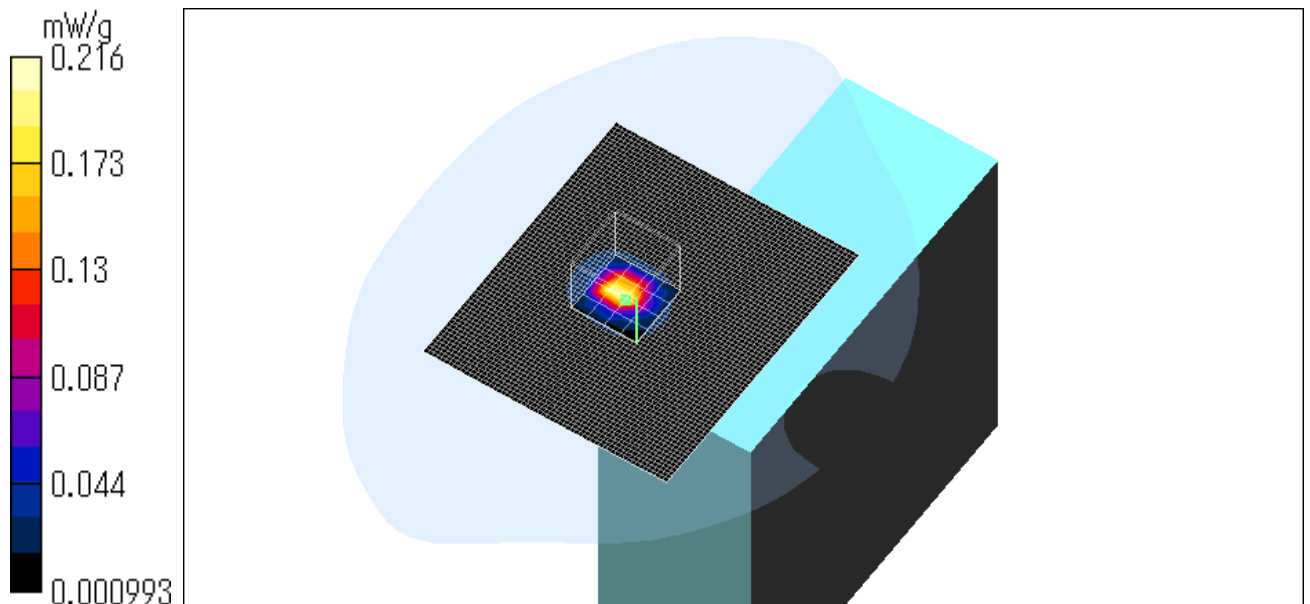
- Probe: ET3DV6 - SN1684; ConvF(4.14, 4.14, 4.14); Calibrated: 2004/09/02
- Sensor-Surface: 4mm (Mechanical And Optical Surface Detection)
- Phantom: SAM 1196
- Measurement SW: DASY4, V4.1 Build 47; Postprocessing SW: SEMCAD, V1.6 Build 115

**Area Scan (61x71x1):** Measurement grid: dx=20mm, dy=20mm  
Maximum value of SAR = 0.0743 mW/g

**Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm  
Peak SAR (extrapolated) = 0.608 W/kg  
**SAR(1 g) = 0.214 mW/g; SAR(10 g) = 0.0717 mW/g**  
Maximum value of SAR = 0.216 mW/g

Reference Value = 8.12 V/m  
Power Drift = 0.3 dB

Test Date = 11/10/04  
Ambient Temperature = 24.5degree.c  
Liquid Temperature = Before 23.1 degree.C , After 23.1degree.C



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**WT-2A/ Body / ANT.B\_BACK / OFDM QPSK / 2437MHz**

Crest factor: 1  
Medium: M2450 ( $\sigma = 2$  mho/m,  $\epsilon_r = 50.1$ ,  $\rho = 1000$  kg/m<sup>3</sup>)  
Phantom section: Flat Section

DASY4 Configuration:

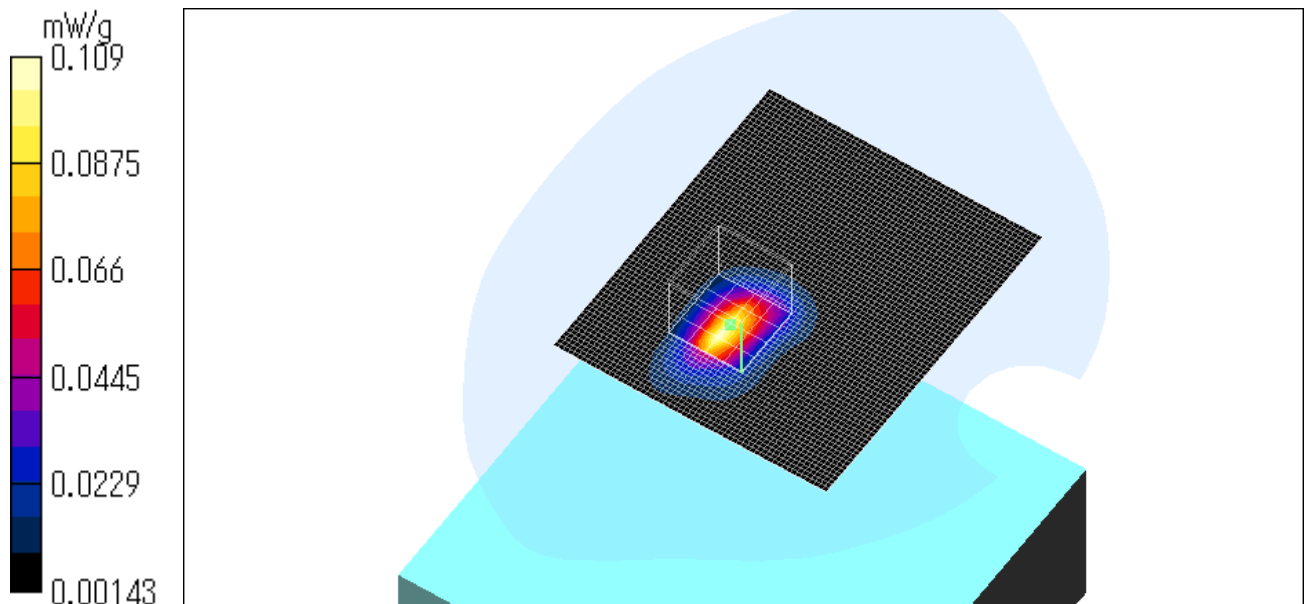
- Probe: ET3DV6 - SN1684; ConvF(4.14, 4.14, 4.14); Calibrated: 2004/09/02
- Sensor-Surface: 4mm (Mechanical And Optical Surface Detection)
- Phantom: SAM 1196
- Measurement SW: DASY4, V4.1 Build 47; Postprocessing SW: SEMCAD, V1.6 Build 115

**Area Scan (61x71x1):** Measurement grid: dx=20mm, dy=20mm  
Maximum value of SAR = 0.0782 mW/g

**Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm  
Peak SAR (extrapolated) = 0.221 W/kg  
**SAR(1 g) = 0.096 mW/g; SAR(10 g) = 0.0429 mW/g**  
Maximum value of SAR = 0.109 mW/g

Reference Value = 2.68 V/m  
Power Drift = 0.01 dB

Test Date = 11/10/04  
Ambient Temperature = 24.5degree.c  
Liquid Temperature = Before 23.1 degree.C , After 23.1degree.C



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**WT-2A/ Body / ANT.B\_BOTTOM / OFDM QPSK / 2437MHz**

Crest factor: 1  
Medium: M2450 ( $\sigma = 2$  mho/m,  $\epsilon_r = 50.1$ ,  $\rho = 1000$  kg/m<sup>3</sup>)  
Phantom section: Flat Section

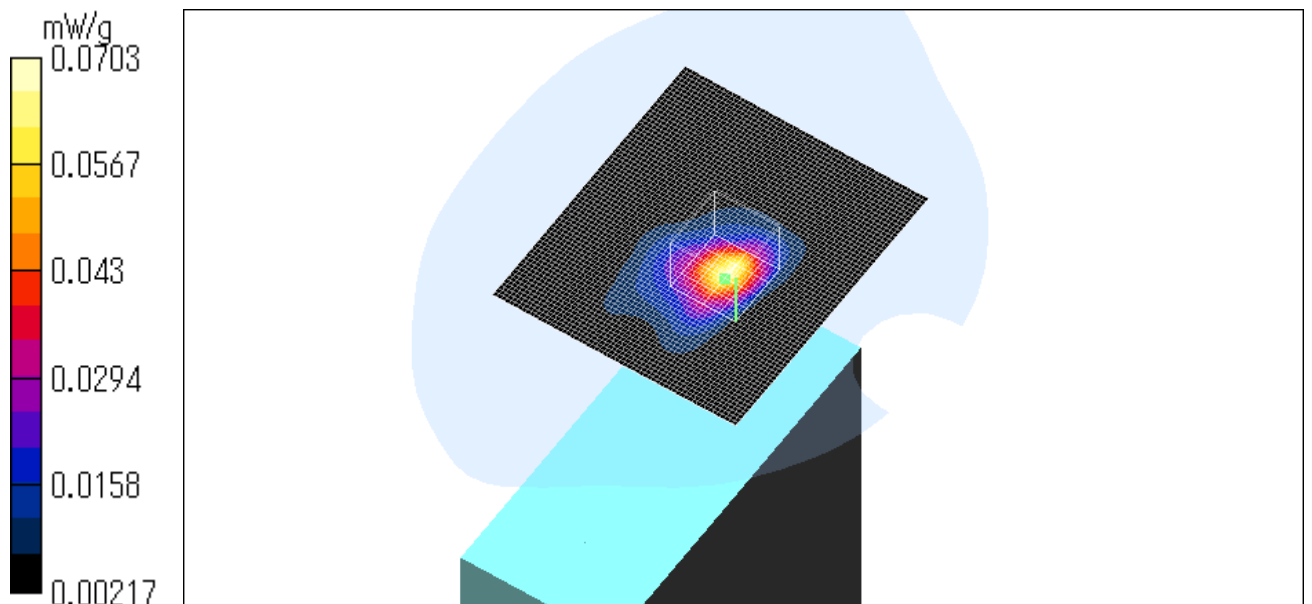
DASY4 Configuration:  
- Probe: ET3DV6 - SN1684; ConvF(4.14, 4.14, 4.14); Calibrated: 2004/09/02  
- Sensor-Surface: 4mm (Mechanical And Optical Surface Detection)  
- Phantom: SAM 1196  
- Measurement SW: DASY4, V4.1 Build 47; Postprocessing SW: SEMCAD, V1.6 Build 115

**Area Scan (61x71x1):** Measurement grid: dx=20mm, dy=20mm  
Maximum value of SAR = 0.073 mW/g

**Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm  
Peak SAR (extrapolated) = 0.148 W/kg  
**SAR(1 g) = 0.0665 mW/g; SAR(10 g) = 0.0319 mW/g**  
Maximum value of SAR = 0.0703 mW/g

Reference Value = 3.88 V/m  
Power Drift = 0.08 dB

Test Date = 11/10/04  
Ambient Temperature = 24.5degree.c  
Liquid Temperature = Before 23.3degree.C , After 23.3degree.C





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**WT-2A / Body / ANT.C\_BACK / OFDM QPSK / 2437MHz**

Crest factor: 1  
Medium: M2450 ( $\sigma = 2$  mho/m,  $\epsilon_r = 50.1$ ,  $\rho = 1000$  kg/m<sup>3</sup>)  
Phantom section: Flat Section

DASY4 Configuration:

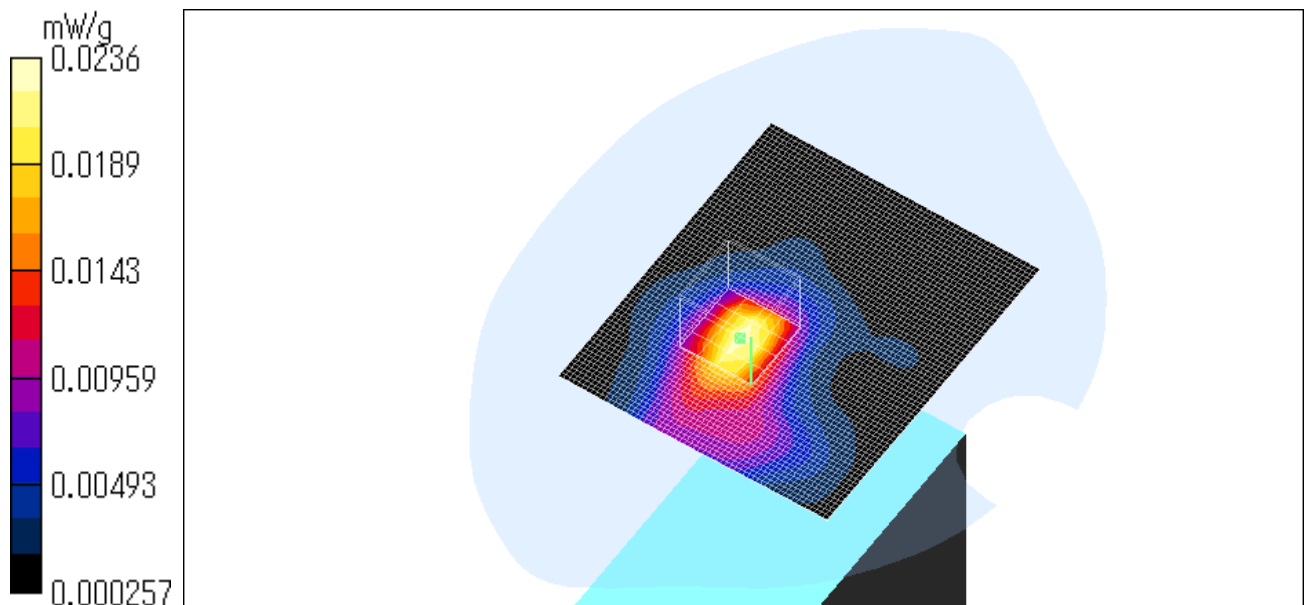
- Probe: ET3DV6 - SN1684; ConvF(4.14, 4.14, 4.14); Calibrated: 2004/09/02
- Sensor-Surface: 4mm (Mechanical And Optical Surface Detection)
- Phantom: SAM 1196
- Measurement SW: DASY4, V4.1 Build 47; Postprocessing SW: SEMCAD, V1.6 Build 115

**Area Scan (61x71x1):** Measurement grid: dx=20mm, dy=20mm  
Maximum value of SAR = 0.0235 mW/g

**Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm  
Peak SAR (extrapolated) = 0.0495 W/kg  
**SAR(1 g) = 0.0231 mW/g; SAR(10 g) = 0.0125 mW/g**  
Maximum value of SAR = 0.0236 mW/g

Reference Value = 2.25 V/m  
Power Drift = -0.4 dB

Test Date = 11/10/04  
Ambient Temperature = 24.5degree.c  
Liquid Temperature = Before 23.1 degree.C , After 23.1degree.C



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**WT-2A / Body / ANT.A\_SIDE / OFDM QPSK / 2412MHz**

Crest factor: 1  
Medium: M2450 ( $\sigma = 2$  mho/m,  $\epsilon_r = 50.1$ ,  $\rho = 1000$  kg/m<sup>3</sup>)  
Phantom section: Flat Section

DASY4 Configuration:

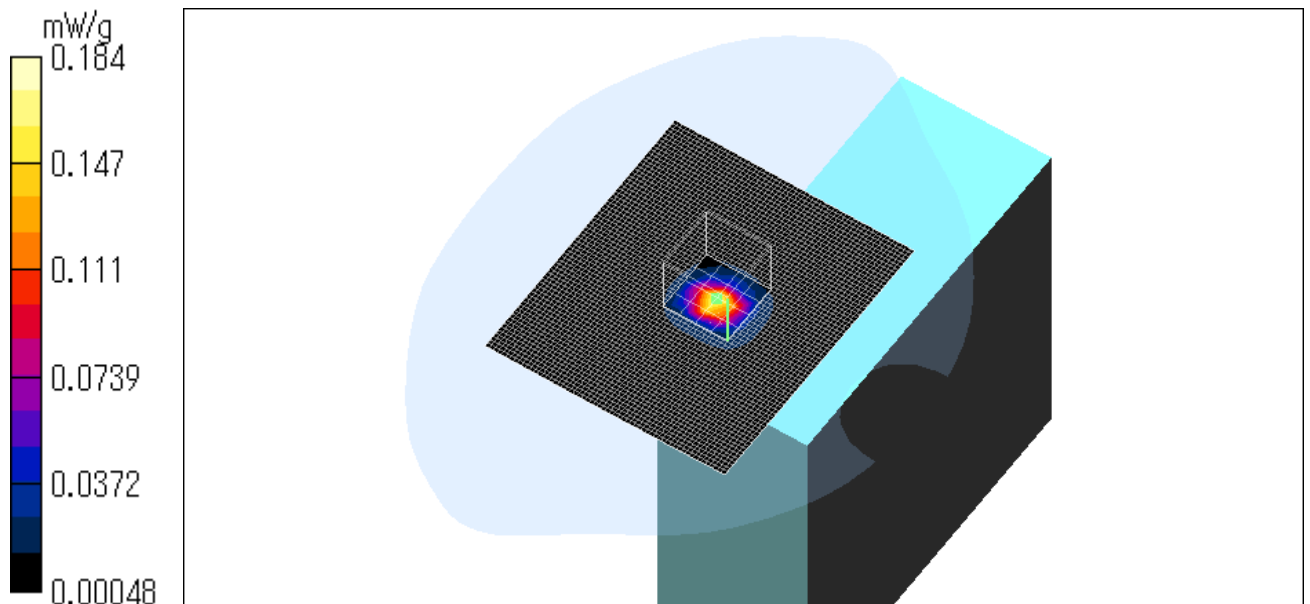
- Probe: ET3DV6 - SN1684; ConvF(4.14, 4.14, 4.14); Calibrated: 2004/09/02
- Sensor-Surface: 4mm (Mechanical And Optical Surface Detection)
- Phantom: SAM 1196
- Measurement SW: DASY4, V4.1 Build 47; Postprocessing SW: SEMCAD, V1.6 Build 115

**Area Scan (61x71x1):** Measurement grid: dx=20mm, dy=20mm  
Maximum value of SAR = 0.077 mW/g

**Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm  
Peak SAR (extrapolated) = 0.483 W/kg  
**SAR(1 g) = 0.172 mW/g; SAR(10 g) = 0.0594 mW/g**  
Maximum value of SAR = 0.184 mW/g

Reference Value = 8.45 V/m  
Power Drift = 0.2 dB

Test Date = 11/10/04  
Ambient Temperature = 24.5degree.c  
Liquid Temperature = Before 23.2 degree.C , After 23.2degree.C



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**WT-2A / Body / ANT.A\_SIDE / OFDM QPSK / 2462MHz**

Crest factor: 1  
Medium: M2450 ( $\sigma = 2$  mho/m,  $\epsilon_r = 50.1$ ,  $\rho = 1000$  kg/m<sup>3</sup>)  
Phantom section: Flat Section

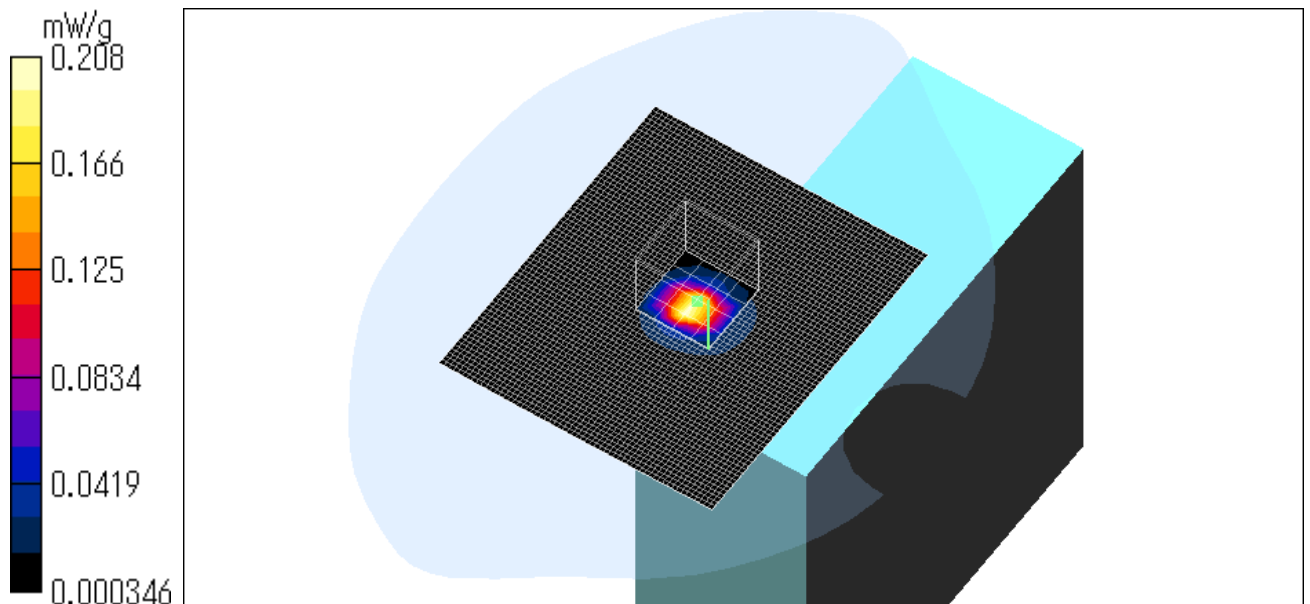
DASY4 Configuration:  
- Probe: ET3DV6 - SN1684; ConvF(4.14, 4.14, 4.14); Calibrated: 2004/09/02  
- Sensor-Surface: 4mm (Mechanical And Optical Surface Detection)  
- Phantom: SAM 1196  
- Measurement SW: DASY4, V4.1 Build 47; Postprocessing SW: SEMCAD, V1.6 Build 115

**Area Scan (61x71x1):** Measurement grid: dx=20mm, dy=20mm  
Maximum value of SAR = 0.121 mW/g

**Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm  
Peak SAR (extrapolated) = 0.613 W/kg  
**SAR(1 g) = 0.209 mW/g; SAR(10 g) = 0.0705 mW/g**  
Maximum value of SAR = 0.208 mW/g

Reference Value = 11 V/m  
Power Drift = 0.3 dB

Test Date = 11/10/04  
Ambient Temperature = 24.5degree.c  
Liquid Temperature = Before 23.3 degree.C , After 23.3 degree.C



**APPENDIX 3 : SAR Measurement data (Option antenna)**

**WT-2A / Head / TOP / DSSS / 2437MHz**

Crest factor: 1  
Medium: HSL2450 ( $\sigma = 1.86$  mho/m,  $\epsilon_r = 35.4$ ,  $\rho = 1000$  kg/m<sup>3</sup>)  
Phantom section: Flat Section

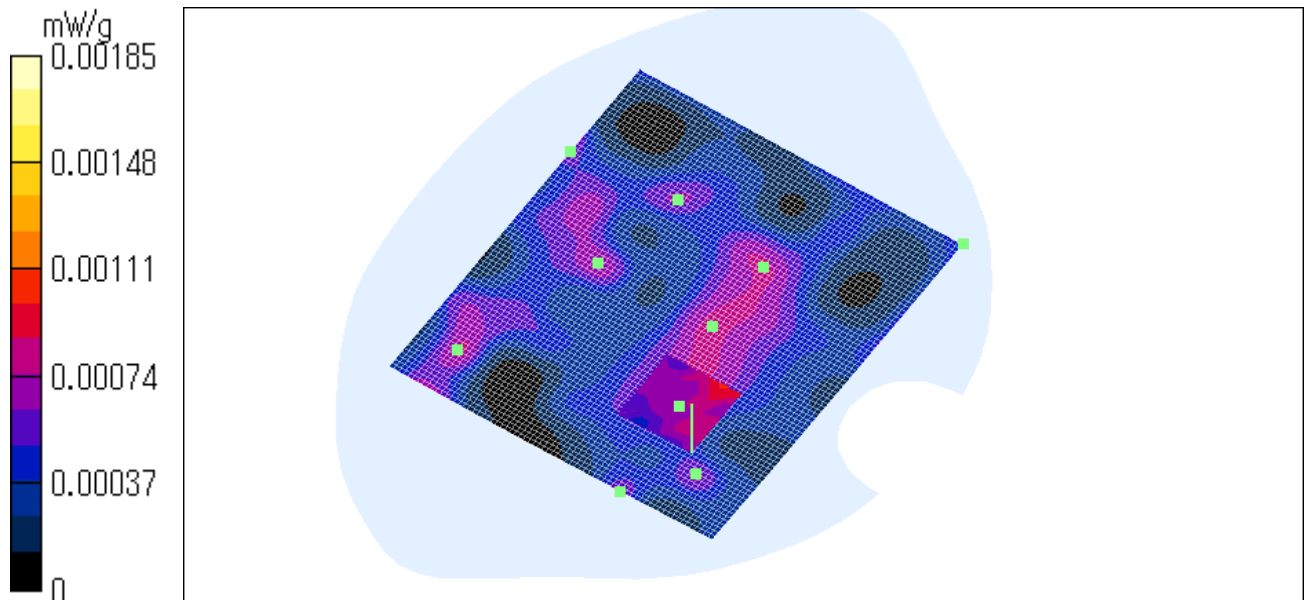
DASY4 Configuration:  
- Probe: ET3DV6 - SN1684; ConvF(4.39, 4.39, 4.39); Calibrated: 2004/09/02  
- Sensor-Surface: 4mm (Mechanical And Optical Surface Detection)  
- Phantom: SAM 1196  
- Measurement SW: DASY4, V4.1 Build 47; Postprocessing SW: SEMCAD, V1.6 Build 115

**Area Scan (71x81x1):** Measurement grid: dx=20mm, dy=20mm  
Maximum value of SAR = 0.000912 mW/g

**Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm  
Peak SAR (extrapolated) = 0.00186 W/kg  
**SAR(1 g) = 0.00102 mW/g; SAR(10 g) = 0.000629 mW/g**  
Maximum value of SAR = 0.00185 mW/g

Reference Value = 0.474 V/m  
Power Drift = 0.4 dB

Test Date = 11/14/04  
Ambient Temperature = 24.5degree.c  
Liquid Temperature = Before 24.0 degree.C , After 24.0 degree.C



**WT-2A / Head / SIDE\_0mm / DSSS / 2437MHz**

Crest factor: 1  
Medium: HSL2450 ( $\sigma = 1.86$  mho/m,  $\epsilon_r = 35.4$ ,  $\rho = 1000$  kg/m<sup>3</sup>)  
Phantom section: Flat Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1684; ConvF(4.39, 4.39, 4.39); Calibrated: 2004/09/02
- Sensor-Surface: 4mm (Mechanical And Optical Surface Detection)
- Phantom: SAM 1196
- Measurement SW: DASY4, V4.1 Build 47; Postprocessing SW: SEMCAD, V1.6 Build 115

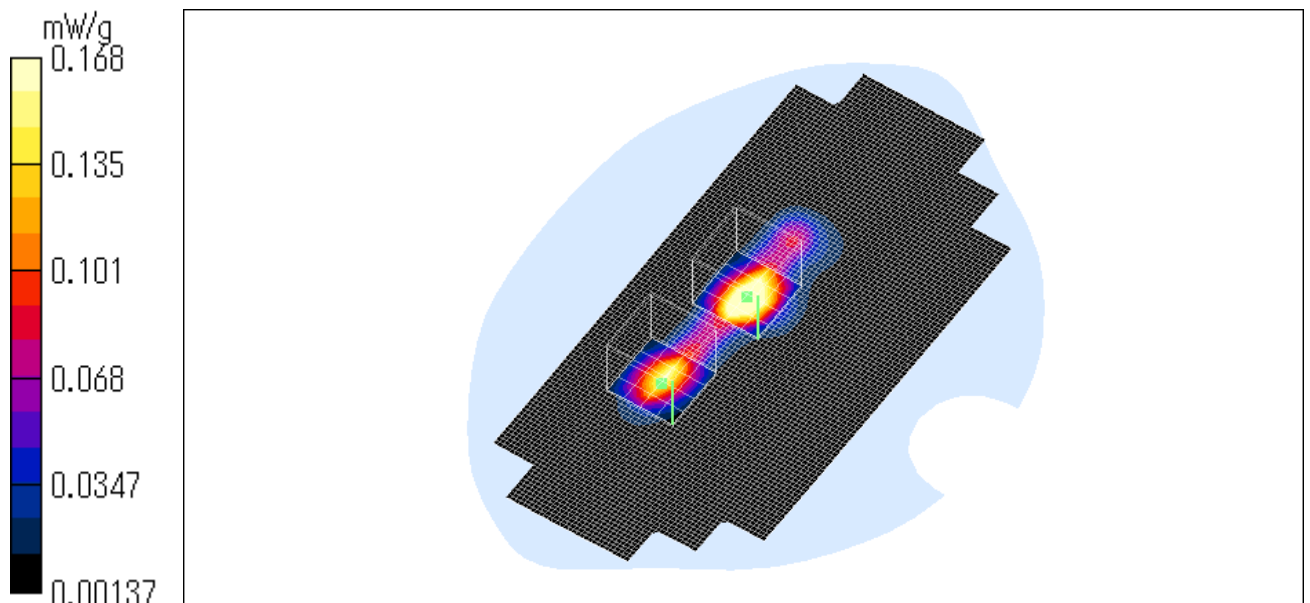
**Area Scan (61x131x1):** Measurement grid: dx=20mm, dy=20mm  
Maximum value of SAR = 0.212 mW/g

**Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm  
Peak SAR (extrapolated) = 0.506 W/kg  
**SAR(1 g) = 0.216 mW/g; SAR(10 g) = 0.0892 mW/g**  
Maximum value of SAR = 0.23 mW/g

**Zoom Scan (5x5x7)/Cube 1:** Measurement grid: dx=8mm, dy=8mm, dz=5mm  
Peak SAR (extrapolated) = 0.359 W/kg  
**SAR(1 g) = 0.153 mW/g; SAR(10 g) = 0.0634 mW/g**  
Maximum value of SAR = 0.168 mW/g

Reference Value = 4.47 V/m  
Power Drift = -0.2 dB

Test Date = 11/10/04  
Ambient Temperature = 24.5degree.c  
Liquid Temperature = Before 24.0 degree.C , After 24.0 degree.C



**WT-2A / Head / SIDE\_0mm / DSSS / 2412MHz**

Crest factor: 1  
Medium: HSL2450 ( $\sigma = 1.86$  mho/m,  $\epsilon_r = 35.4$ ,  $\rho = 1000$  kg/m<sup>3</sup>)  
Phantom section: Flat Section

DASY4 Configuration:  
- Probe: ET3DV6 - SN1684; ConvF(4.39, 4.39, 4.39); Calibrated: 2004/09/02  
- Sensor-Surface: 4mm (Mechanical And Optical Surface Detection)  
- Phantom: SAM 1196  
- Measurement SW: DASY4, V4.1 Build 47; Postprocessing SW: SEMCAD, V1.6 Build 115

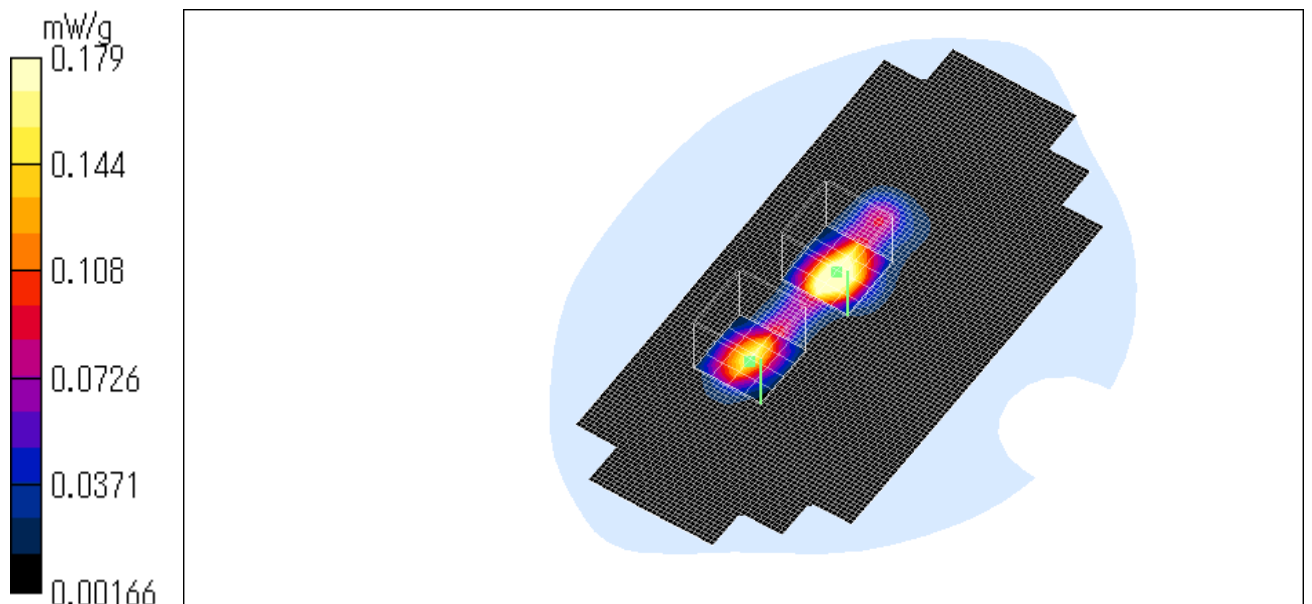
**Area Scan (61x131x1):** Measurement grid: dx=20mm, dy=20mm  
Maximum value of SAR = 0.213 mW/g

**Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm  
Peak SAR (extrapolated) = 0.502 W/kg  
**SAR(1 g) = 0.222 mW/g; SAR(10 g) = 0.0931 mW/g**  
Maximum value of SAR = 0.236 mW/g

**Zoom Scan (5x5x7)/Cube 1:** Measurement grid: dx=8mm, dy=8mm, dz=5mm  
Peak SAR (extrapolated) = 0.369 W/kg  
**SAR(1 g) = 0.161 mW/g; SAR(10 g) = 0.0673 mW/g**  
Maximum value of SAR = 0.179 mW/g

Reference Value = 4.36 V/m  
Power Drift = -0.05 dB

Test Date = 11/14/04  
Ambient Temperature = 24.5degree.c  
Liquid Temperature = Before 24.0 degree.C , After 24.0 degree.C





**WT-2A / Head / SIDE\_0mm / DSSS / 2462MHz**

Crest factor: 1  
Medium: HSL2450 ( $\sigma = 1.86 \text{ mho/m}$ ,  $\epsilon_r = 35.4$ ,  $\rho = 1000 \text{ kg/m}^3$ )  
Phantom section: Flat Section

DASY4 Configuration:  
- Probe: ET3DV6 - SN1684; ConvF(4.39, 4.39, 4.39); Calibrated: 2004/09/02  
- Sensor-Surface: 4mm (Mechanical And Optical Surface Detection)  
- Phantom: SAM 1196  
- Measurement SW: DASY4, V4.1 Build 47; Postprocessing SW: SEMCAD, V1.6 Build 115

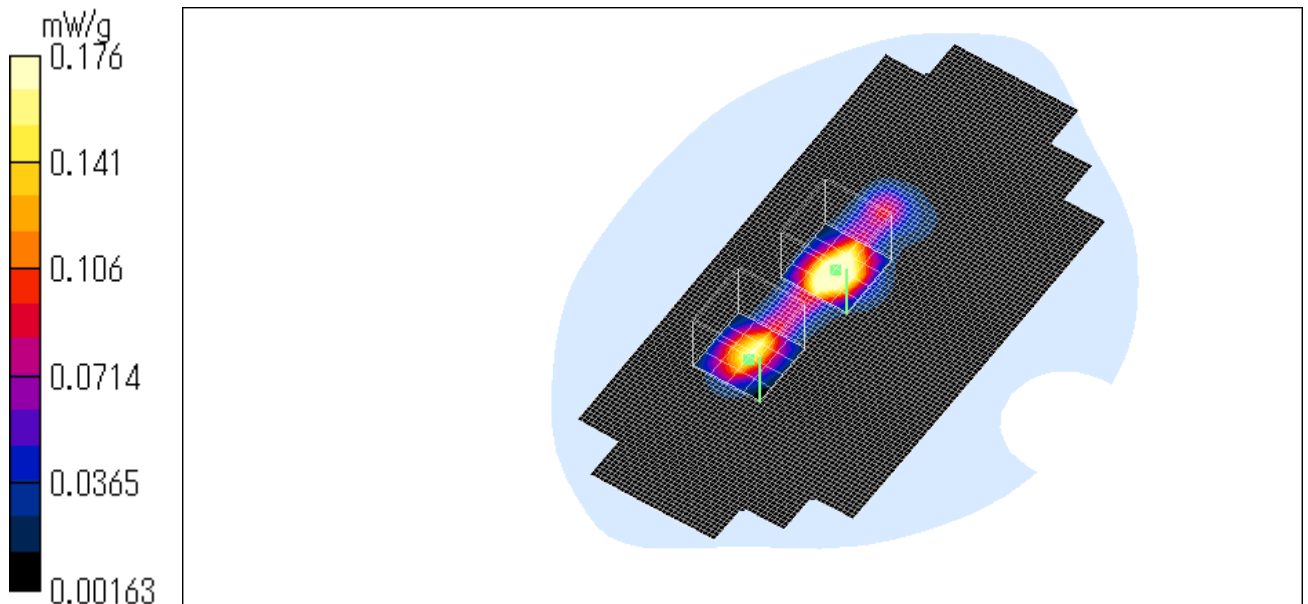
**Area Scan (61x131x1):** Measurement grid: dx=20mm, dy=20mm  
Maximum value of SAR = 0.209 mW/g

**Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm  
Peak SAR (extrapolated) = 0.51 W/kg  
**SAR(1 g) = 0.228 mW/g; SAR(10 g) = 0.0949 mW/g**  
Maximum value of SAR = 0.248 mW/g

**Zoom Scan (5x5x7)/Cube 1:** Measurement grid: dx=8mm, dy=8mm, dz=5mm  
Peak SAR (extrapolated) = 0.379 W/kg  
**SAR(1 g) = 0.163 mW/g; SAR(10 g) = 0.0671 mW/g**  
Maximum value of SAR = 0.176 mW/g

Reference Value = 4.38 V/m  
Power Drift = 0.1 dB

Test Date = 11/14/04  
Ambient Temperature = 24.5degree.c  
Liquid Temperature = Before 24.0 degree.C , After 24.0 degree.C



## WT-2A / Head / TOP / OFDM 64QAM / 2437MHz

Crest factor: 1  
Medium: HSL2450 ( $\sigma = 1.86$  mho/m,  $\epsilon_r = 35.4$ ,  $\rho = 1000$  kg/m<sup>3</sup>)  
Phantom section: Flat Section

### DASY4 Configuration:

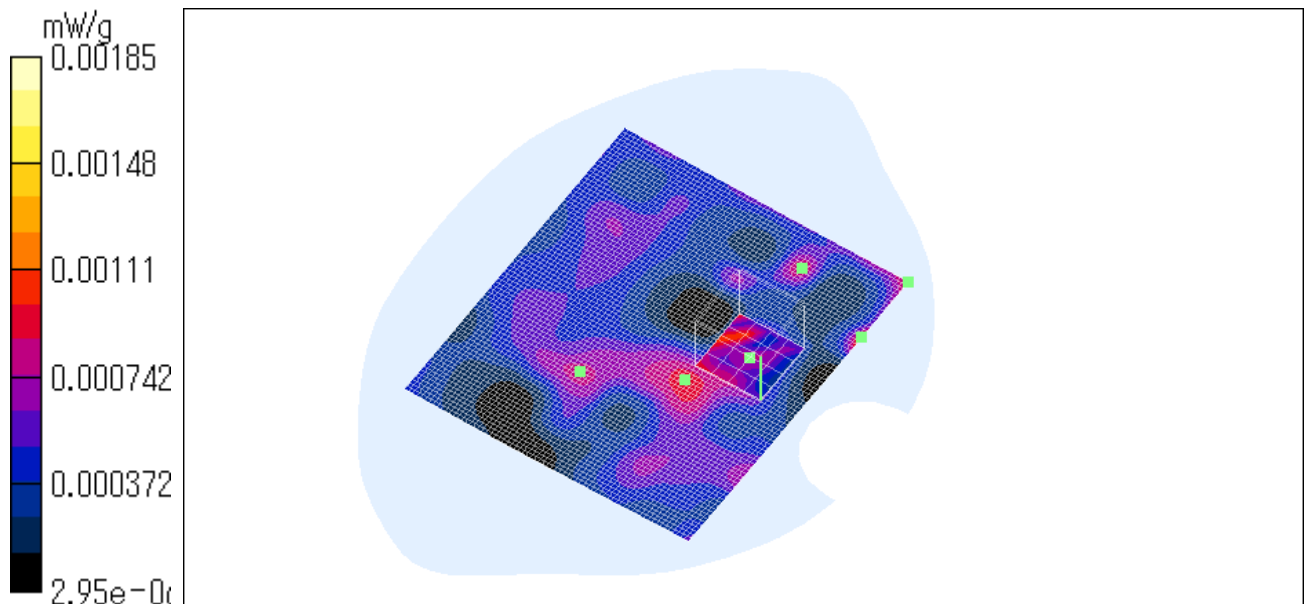
- Probe: ET3DV6 - SN1684; ConvF(4.39, 4.39, 4.39); Calibrated: 2004/09/02
- Sensor-Surface: 4mm (Mechanical And Optical Surface Detection)
- Phantom: SAM 1196
- Measurement SW: DASY4, V4.1 Build 47; Postprocessing SW: SEMCAD, V1.6 Build 115

**Area Scan (71x81x1):** Measurement grid: dx=20mm, dy=20mm  
Maximum value of SAR = 0.00117 mW/g

**Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm  
Peak SAR (extrapolated) = 0.0019 W/kg  
**SAR(1 g) = 0.000839 mW/g; SAR(10 g) = 0.000634 mW/g**  
Maximum value of SAR = 0.00185 mW/g

Reference Value = 0.572 V/m  
Power Drift = -0.2 dB

Test Date = 11/14/04  
Ambient Temperature = 24.5degree.c  
Liquid Temperature = Before 24.0 degree.C , After 24.0 degree.C



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**WT-2A / Head / SIDE\_0mm / OFDM 64QAM / 2437MHz**

Crest factor: 1  
Medium: HSL2450 ( $\sigma = 1.86$  mho/m,  $\epsilon_r = 35.4$ ,  $\rho = 1000$  kg/m<sup>3</sup>)  
Phantom section: Flat Section

DASY4 Configuration:  
- Probe: ET3DV6 - SN1684; ConvF(4.39, 4.39, 4.39); Calibrated: 2004/09/02  
- Sensor-Surface: 4mm (Mechanical And Optical Surface Detection)  
- Phantom: SAM 1196  
- Measurement SW: DASY4, V4.1 Build 47; Postprocessing SW: SEMCAD, V1.6 Build 115

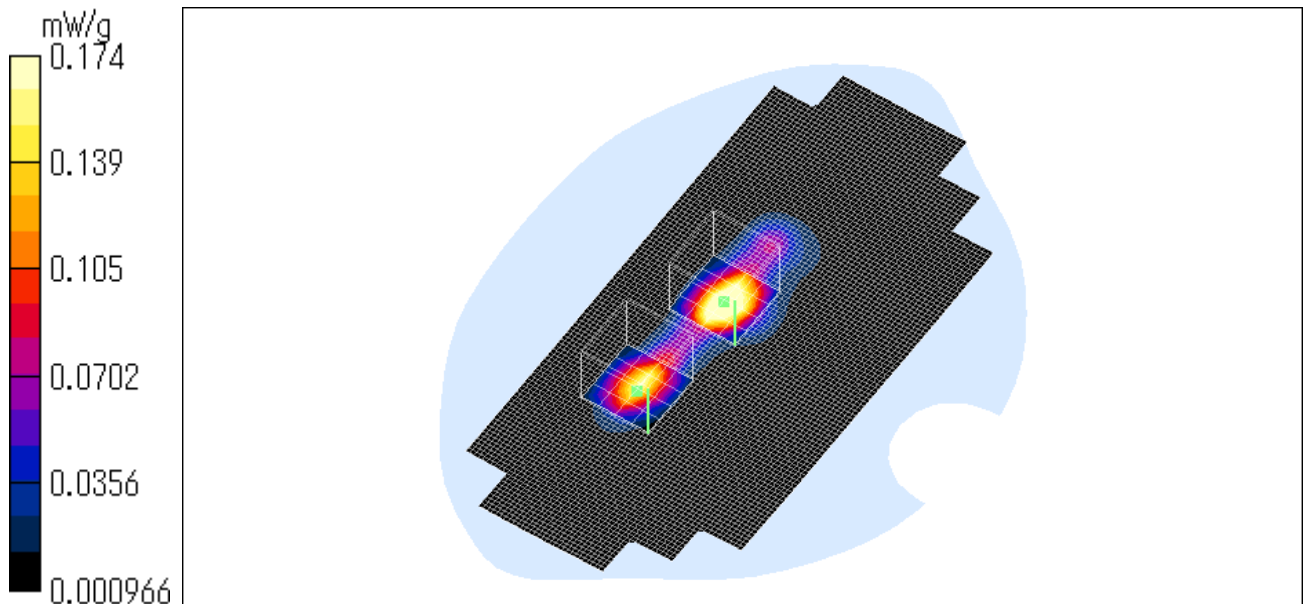
**Area Scan (61x131x1):** Measurement grid: dx=20mm, dy=20mm  
Maximum value of SAR = 0.21 mW/g

**Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm  
Peak SAR (extrapolated) = 0.49 W/kg  
**SAR(1 g) = 0.217 mW/g; SAR(10 g) = 0.0908 mW/g**  
Maximum value of SAR = 0.239 mW/g

**Zoom Scan (5x5x7)/Cube 1:** Measurement grid: dx=8mm, dy=8mm, dz=5mm  
Peak SAR (extrapolated) = 0.365 W/kg  
**SAR(1 g) = 0.158 mW/g; SAR(10 g) = 0.0655 mW/g**  
Maximum value of SAR = 0.174 mW/g

Reference Value = 4.45 V/m  
Power Drift = 0.04 dB

Test Date = 11/14/04  
Ambient Temperature = 24.5degree.c  
Liquid Temperature = Before 24.0 degree.C , After 24.0 degree.C



**WT-2A / Head / SIDE\_0mm / OFDM 64QAM / 2412MHz**

Crest factor: 1  
Medium: HSL2450 ( $\sigma = 1.86$  mho/m,  $\epsilon_r = 35.4$ ,  $\rho = 1000$  kg/m<sup>3</sup>)  
Phantom section: Flat Section

DASY4 Configuration:  
- Probe: ET3DV6 - SN1684; ConvF(4.39, 4.39, 4.39); Calibrated: 2004/09/02  
- Sensor-Surface: 4mm (Mechanical And Optical Surface Detection)  
- Phantom: SAM 1196  
- Measurement SW: DASY4, V4.1 Build 47; Postprocessing SW: SEMCAD, V1.6 Build 115

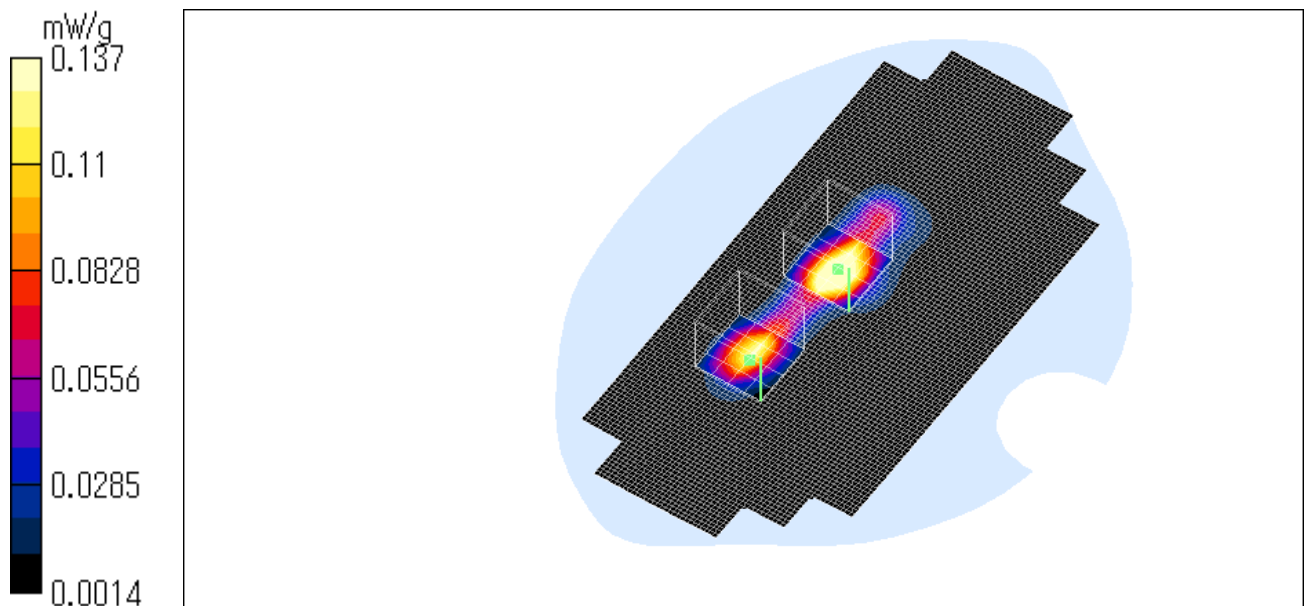
**Area Scan (61x131x1):** Measurement grid: dx=20mm, dy=20mm  
Maximum value of SAR = 0.177 mW/g

**Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm  
Peak SAR (extrapolated) = 0.383 W/kg  
**SAR(1 g) = 0.176 mW/g; SAR(10 g) = 0.0748 mW/g**  
Maximum value of SAR = 0.19 mW/g

**Zoom Scan (5x5x7)/Cube 1:** Measurement grid: dx=8mm, dy=8mm, dz=5mm  
Peak SAR (extrapolated) = 0.288 W/kg  
**SAR(1 g) = 0.128 mW/g; SAR(10 g) = 0.0537 mW/g**  
Maximum value of SAR = 0.137 mW/g

Reference Value = 4.03 V/m  
Power Drift = -0.4 dB

Test Date = 11/14/04  
Ambient Temperature = 24.5degree.c  
Liquid Temperature = Before 24.0 degree.C , After 24.0 degree.C



**WT-2A / Head / SIDE\_0mm / OFDM 64QAM / 2462MHz**

Crest factor: 1  
Medium: HSL2450 ( $\sigma = 1.86$  mho/m,  $\epsilon_r = 35.4$ ,  $\rho = 1000$  kg/m<sup>3</sup>)  
Phantom section: Flat Section

DASY4 Configuration:  
- Probe: ET3DV6 - SN1684; ConvF(4.39, 4.39, 4.39); Calibrated: 2004/09/02  
- Sensor-Surface: 4mm (Mechanical And Optical Surface Detection)  
- Phantom: SAM 1196  
- Measurement SW: DASY4, V4.1 Build 47; Postprocessing SW: SEMCAD, V1.6 Build 115

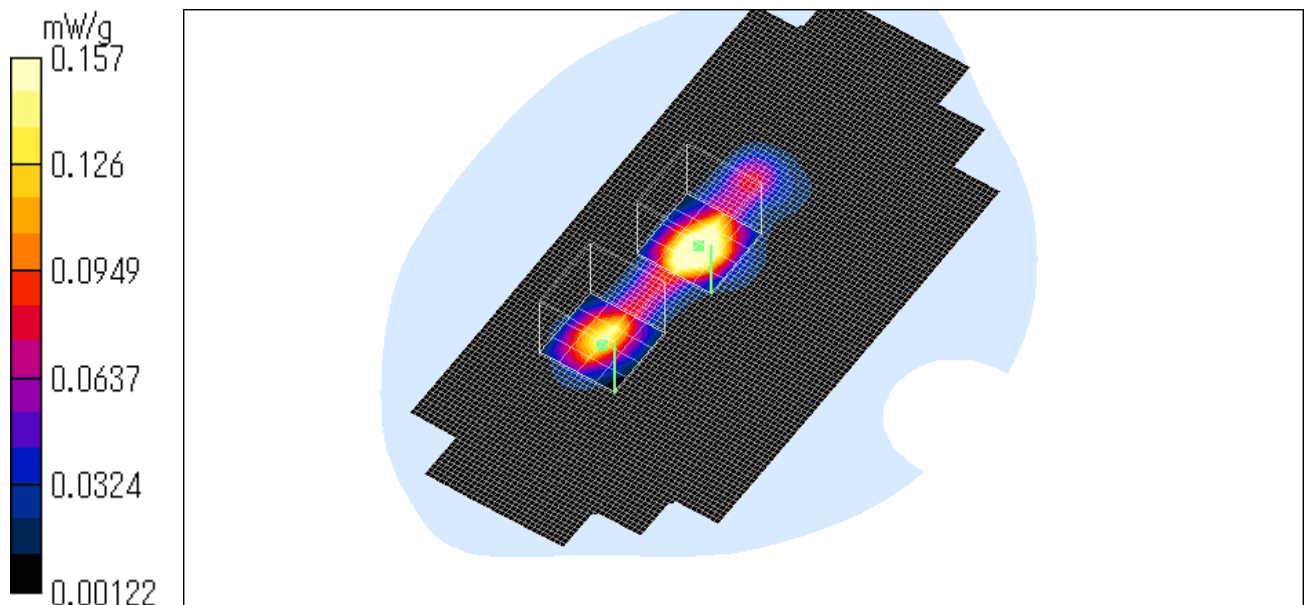
**Area Scan (61x131x1):** Measurement grid: dx=20mm, dy=20mm  
Maximum value of SAR = 0.194 mW/g

**Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm  
Peak SAR (extrapolated) = 0.459 W/kg  
**SAR(1 g) = 0.206 mW/g; SAR(10 g) = 0.0859 mW/g**  
Maximum value of SAR = 0.224 mW/g

**Zoom Scan (5x5x7)/Cube 1:** Measurement grid: dx=8mm, dy=8mm, dz=5mm  
Peak SAR (extrapolated) = 0.339 W/kg  
**SAR(1 g) = 0.146 mW/g; SAR(10 g) = 0.06 mW/g**  
Maximum value of SAR = 0.157 mW/g

Reference Value = 4.35 V/m  
Power Drift = -0.3 dB

Test Date = 11/14/04  
Ambient Temperature = 24.5degree.c  
Liquid Temperature = Before 24.0 degree.C , After 24.0 degree.C



## WT-2A / Head / TOP / OFDM QPSK / 2437MHz

Crest factor: 1  
Medium: HSL2450 ( $\sigma = 1.85$  mho/m,  $\epsilon_r = 35.9$ ,  $\rho = 1000$  kg/m<sup>3</sup>)  
Phantom section: Flat Section

DASY4 Configuration:

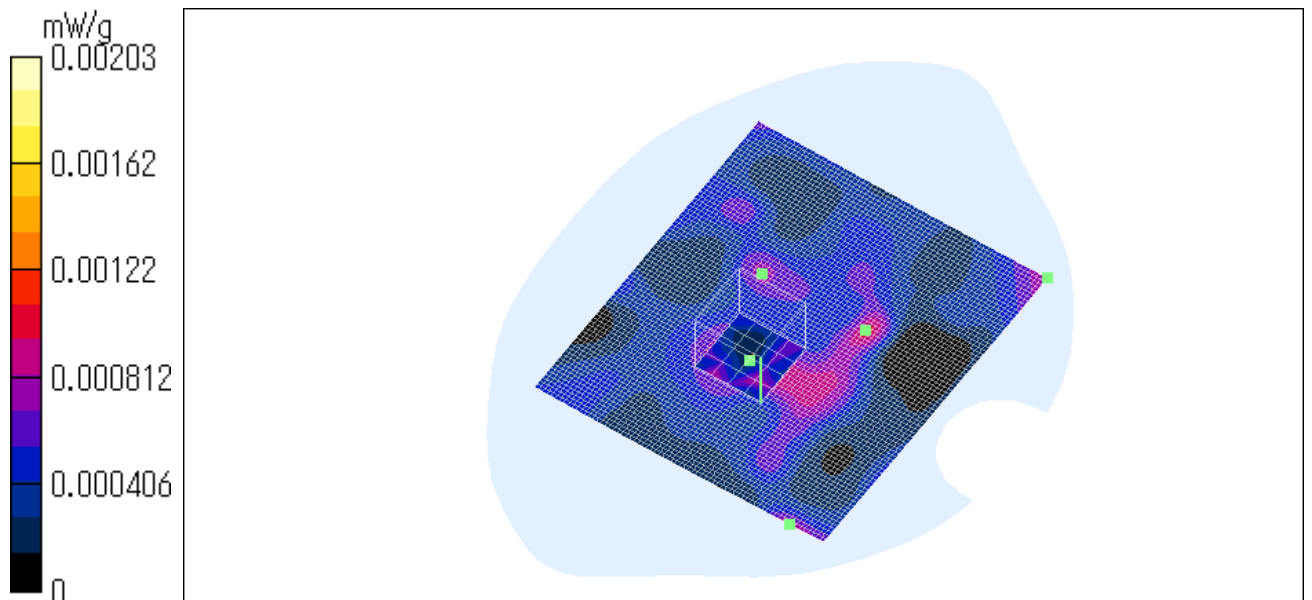
- Probe: ET3DV6 - SN1684; ConvF(4.39, 4.39, 4.39); Calibrated: 2004/09/02
- Sensor-Surface: 4mm (Mechanical And Optical Surface Detection)
- Phantom: SAM 1196
- Measurement SW: DASY4, V4.1 Build 47; Postprocessing SW: SEMCAD, V1.6 Build 115

**Area Scan (71x81x1):** Measurement grid: dx=20mm, dy=20mm  
Maximum value of SAR = 0.00113 mW/g

**Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm  
Peak SAR (extrapolated) = 0.00201 W/kg  
**SAR(1 g) = 0.000936 mW/g; SAR(10 g) = 0.000525 mW/g**  
Maximum value of SAR = 0.00203 mW/g

Reference Value = 0.371 V/m  
Power Drift = 0.4 dB

Test Date = 11/14/04  
Ambient Temperature = 24.5degree.c  
Liquid Temperature = Before 24.0 degree.C , After 24.0 degree.C



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**WT-2A / Head / SIDE\_0mm / OFDM QPSK / 2437MHz**

Crest factor: 1  
Medium: HSL2450 ( $\sigma = 1.86$  mho/m,  $\epsilon_r = 35.4$ ,  $\rho = 1000$  kg/m<sup>3</sup>)  
Phantom section: Flat Section

DASY4 Configuration:  
- Probe: ET3DV6 - SN1684; ConvF(4.39, 4.39, 4.39); Calibrated: 2004/09/02  
- Sensor-Surface: 4mm (Mechanical And Optical Surface Detection)  
- Phantom: SAM 1196  
- Measurement SW: DASY4, V4.1 Build 47; Postprocessing SW: SEMCAD, V1.6 Build 115

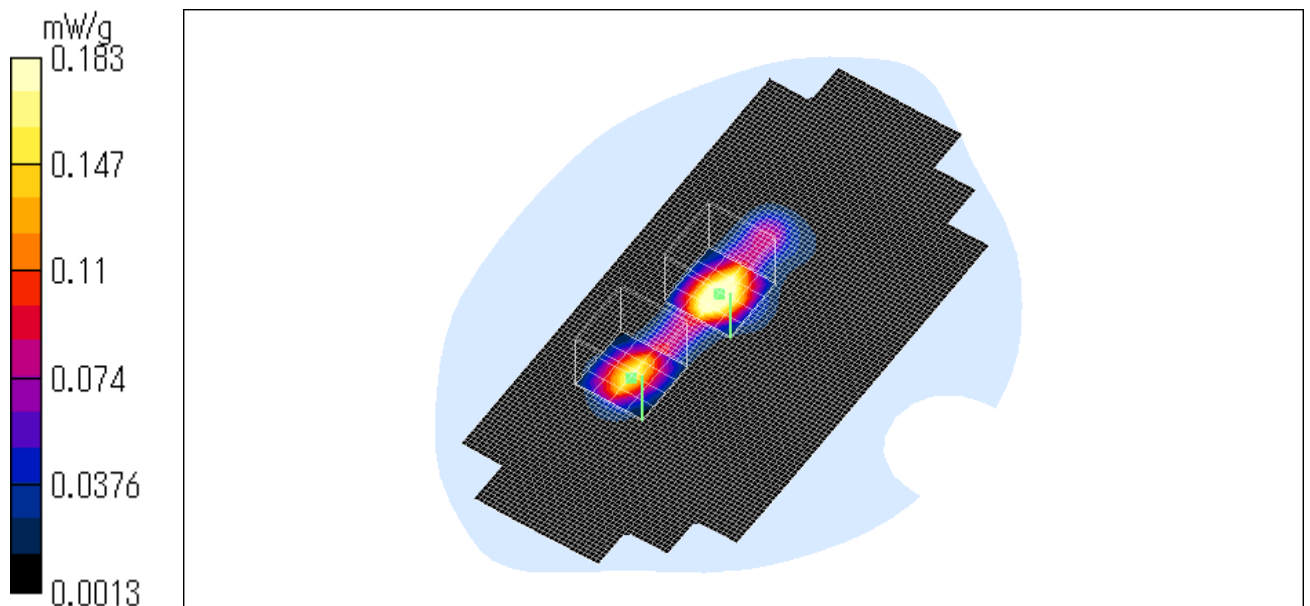
**Area Scan (61x131x1):** Measurement grid: dx=20mm, dy=20mm  
Maximum value of SAR = 0.225 mW/g

**Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm  
Peak SAR (extrapolated) = 0.507 W/kg  
**SAR(1 g) = 0.224 mW/g; SAR(10 g) = 0.0935 mW/g**  
Maximum value of SAR = 0.251 mW/g

**Zoom Scan (5x5x7)/Cube 1:** Measurement grid: dx=8mm, dy=8mm, dz=5mm  
Peak SAR (extrapolated) = 0.379 W/kg  
**SAR(1 g) = 0.163 mW/g; SAR(10 g) = 0.0676 mW/g**  
Maximum value of SAR = 0.183 mW/g

Reference Value = 4.07 V/m  
Power Drift = 0.007 dB

Test Date = 11/14/04  
Ambient Temperature = 24.5degree.c  
Liquid Temperature = Before 24.0 degree.C , After 24.0 degree.C





**WT-2A / Head / SIDE\_0mm / OFDM QPSK / 2412MHz**

Crest factor: 1  
Medium: HSL2450 ( $\sigma = 1.86$  mho/m,  $\epsilon_r = 35.4$ ,  $\rho = 1000$  kg/m<sup>3</sup>)  
Phantom section: Flat Section

DASY4 Configuration:  
- Probe: ET3DV6 - SN1684; ConvF(4.39, 4.39, 4.39); Calibrated: 2004/09/02  
- Sensor-Surface: 4mm (Mechanical And Optical Surface Detection)  
- Phantom: SAM 1196  
- Measurement SW: DASY4, V4.1 Build 47; Postprocessing SW: SEMCAD, V1.6 Build 115

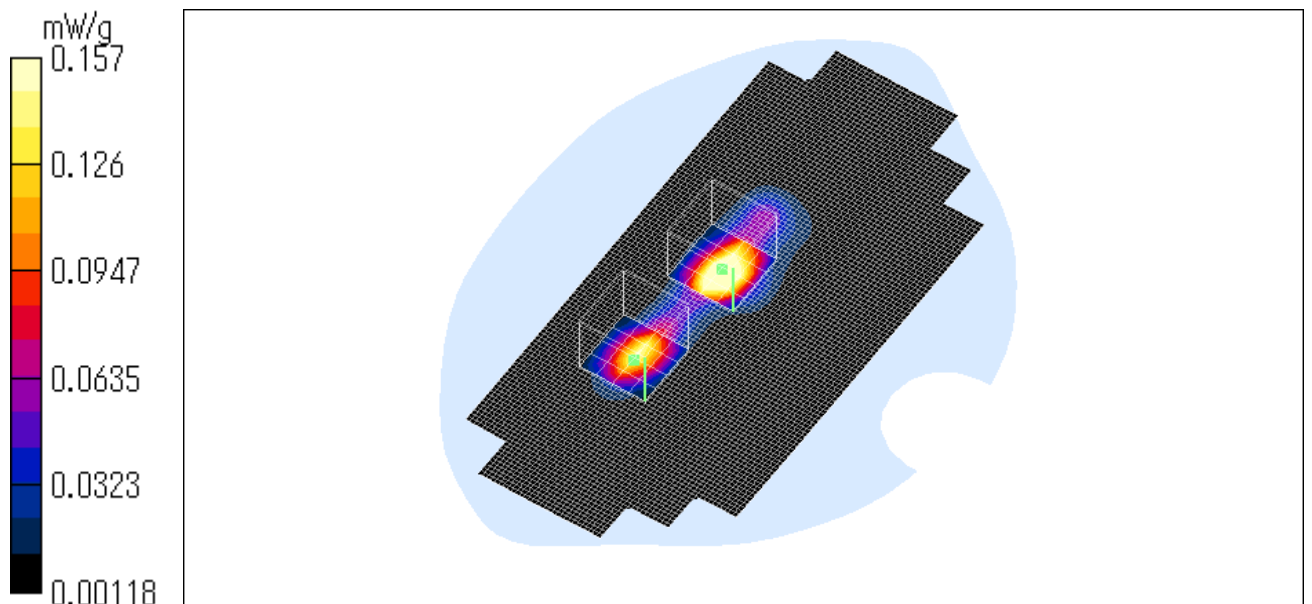
**Area Scan (61x131x1):** Measurement grid: dx=20mm, dy=20mm  
Maximum value of SAR = 0.163 mW/g

**Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm  
Peak SAR (extrapolated) = 0.438 W/kg  
**SAR(1 g) = 0.195 mW/g; SAR(10 g) = 0.0831 mW/g**  
Maximum value of SAR = 0.208 mW/g

**Zoom Scan (5x5x7)/Cube 1:** Measurement grid: dx=8mm, dy=8mm, dz=5mm  
Peak SAR (extrapolated) = 0.307 W/kg  
**SAR(1 g) = 0.142 mW/g; SAR(10 g) = 0.0599 mW/g**  
Maximum value of SAR = 0.157 mW/g

Reference Value = 4.52 V/m  
Power Drift = -0.4 dB

Test Date = 11/14/04  
Ambient Temperature = 24.5degree.c  
Liquid Temperature = Before 24.0 degree.C , After 24.0 degree.C



**WT-2A / Head / SIDE\_0mm / OFDM QPSK / 2462MHz**

Crest factor: 1  
Medium: HSL2450 ( $\sigma = 1.86$  mho/m,  $\epsilon_r = 35.4$ ,  $\rho = 1000$  kg/m<sup>3</sup>)  
Phantom section: Flat Section

DASY4 Configuration:  
- Probe: ET3DV6 - SN1684; ConvF(4.39, 4.39, 4.39); Calibrated: 2004/09/02  
- Sensor-Surface: 4mm (Mechanical And Optical Surface Detection)  
- Phantom: SAM 1196  
- Measurement SW: DASY4, V4.1 Build 47; Postprocessing SW: SEMCAD, V1.6 Build 115

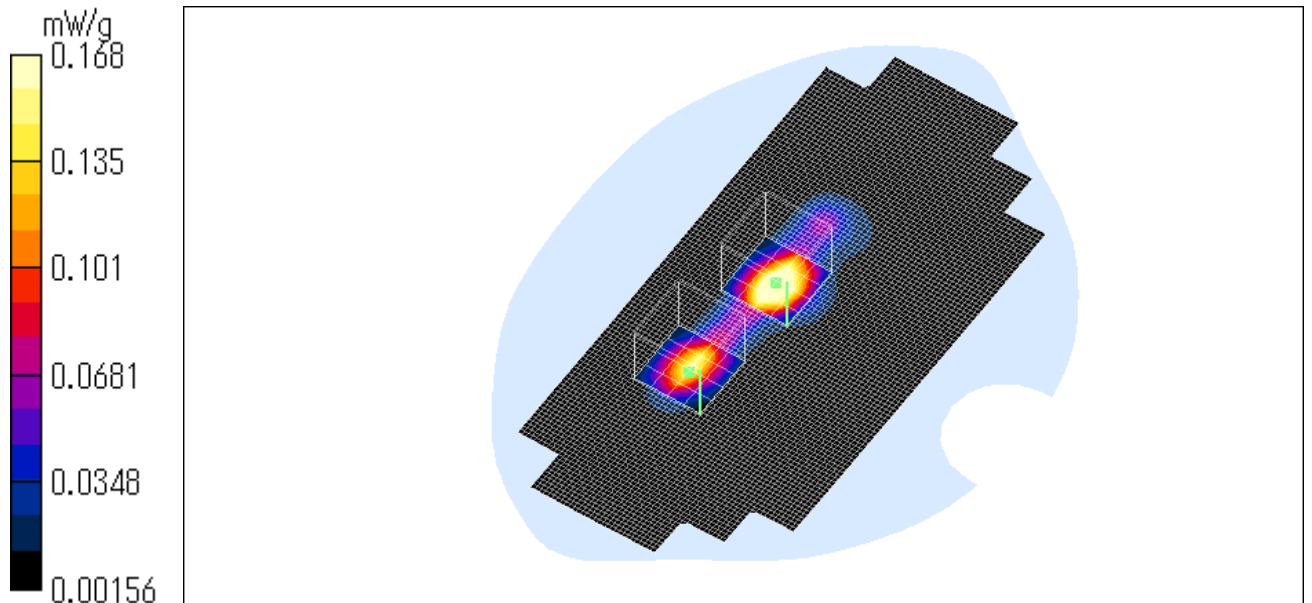
**Area Scan (61x131x1):** Measurement grid: dx=20mm, dy=20mm  
Maximum value of SAR = 0.186 mW/g

**Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm  
Peak SAR (extrapolated) = 0.44 W/kg  
**SAR(1 g) = 0.207 mW/g; SAR(10 g) = 0.0878 mW/g**  
Maximum value of SAR = 0.231 mW/g

**Zoom Scan (5x5x7)/Cube 1:** Measurement grid: dx=8mm, dy=8mm, dz=5mm  
Peak SAR (extrapolated) = 0.357 W/kg  
**SAR(1 g) = 0.152 mW/g; SAR(10 g) = 0.0629 mW/g**  
Maximum value of SAR = 0.168 mW/g

Reference Value = 4.54 V/m  
Power Drift = 0.1 dB

Test Date = 11/14/04  
Ambient Temperature = 24.5degree.c  
Liquid Temperature = Before 24.0 degree.C , After 24.0 degree.C



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**WT-2A / Body / TOP / DSSS / 2437MHz**

Crest factor: 1  
Medium: M2450 ( $\sigma = 2$  mho/m,  $\epsilon_r = 50.1$ ,  $\rho = 1000$  kg/m<sup>3</sup>)  
Phantom section: Flat Section

DASY4 Configuration:

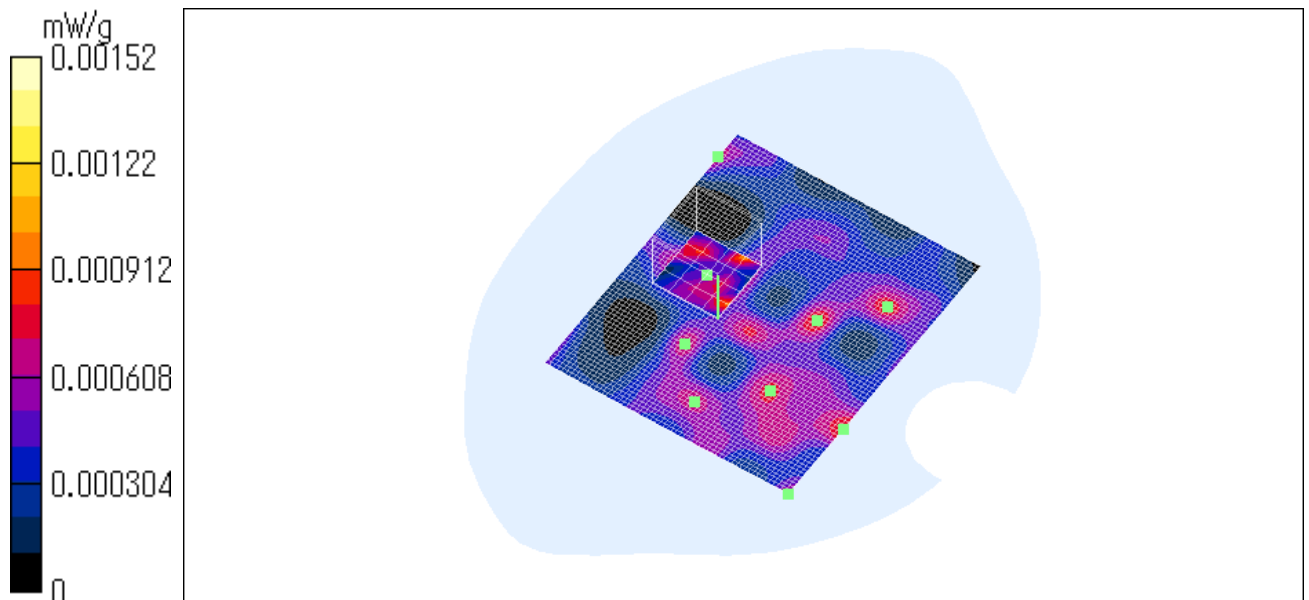
- Probe: ET3DV6 - SN1684; ConvF(4.14, 4.14, 4.14); Calibrated: 2004/09/02
- Sensor-Surface: 4mm (Mechanical And Optical Surface Detection)
- Phantom: SAM 1196
- Measurement SW: DASY4, V4.1 Build 47; Postprocessing SW: SEMCAD, V1.6 Build 115

**Area Scan (61x71x1):** Measurement grid: dx=20mm, dy=20mm  
Maximum value of SAR = 0.000937 mW/g

**Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm  
Peak SAR (extrapolated) = 0.0415 W/kg  
**SAR(1 g) = 0.00139 mW/g; SAR(10 g) = 0.000454 mW/g**  
Maximum value of SAR = 0.00152 mW/g

Reference Value = 0.558 V/m  
Power Drift = 0.3 dB

Test Date = 11/10/04  
Ambient Temperature = 24.5degree.c  
Liquid Temperature = Before 23.2 degree.C , After 23.2degree.C



**WT-2A / Body / SIDE\_0mm / DSSS / 2437MHz**

Crest factor: 1  
Medium: M2450 ( $\sigma = 2$  mho/m,  $\epsilon_r = 50.1$ ,  $\rho = 1000$  kg/m<sup>3</sup>)  
Phantom section: Flat Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1684; ConvF(4.14, 4.14, 4.14); Calibrated: 2004/09/02
- Sensor-Surface: 4mm (Mechanical And Optical Surface Detection)
- Phantom: SAM 1196
- Measurement SW: DASY4, V4.1 Build 47; Postprocessing SW: SEMCAD, V1.6 Build 115

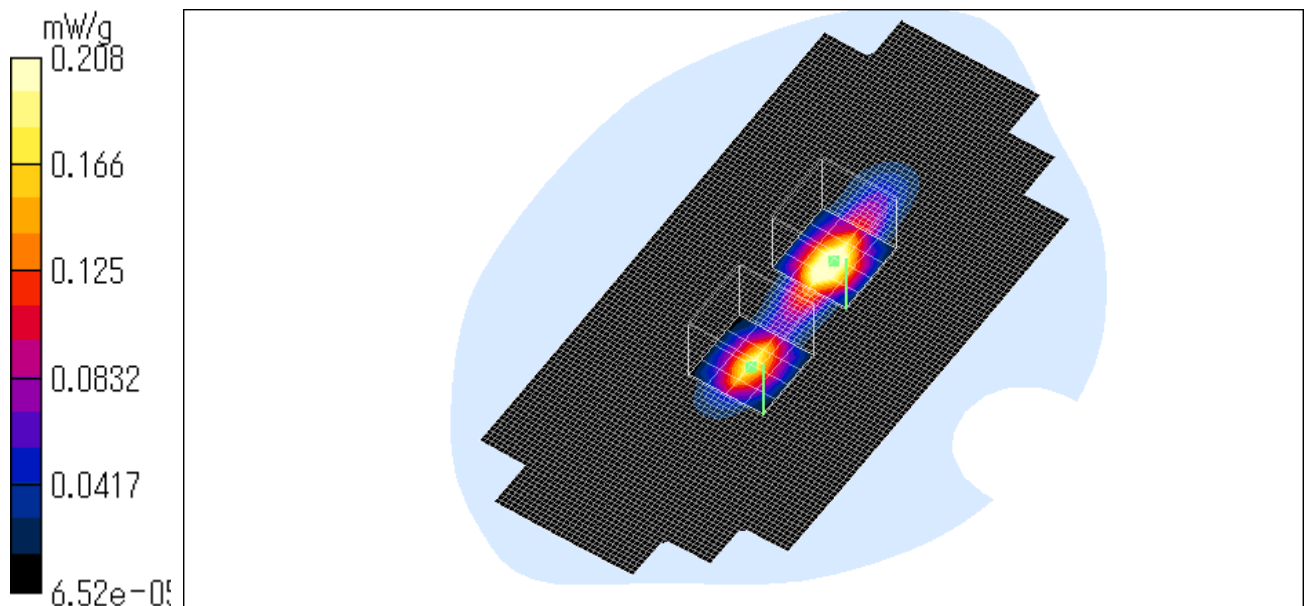
**Area Scan (61x131x1):** Measurement grid: dx=20mm, dy=20mm  
Maximum value of SAR = 0.247 mW/g

**Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm  
Peak SAR (extrapolated) = 0.585 W/kg  
**SAR(1 g) = 0.244 mW/g; SAR(10 g) = 0.099 mW/g**  
Maximum value of SAR = 0.263 mW/g

**Zoom Scan (5x5x7)/Cube 1:** Measurement grid: dx=8mm, dy=8mm, dz=5mm  
Peak SAR (extrapolated) = 0.441 W/kg  
**SAR(1 g) = 0.182 mW/g; SAR(10 g) = 0.0731 mW/g**  
Maximum value of SAR = 0.208 mW/g

Reference Value = 2.43 V/m  
Power Drift = -0.4 dB

Test Date = 11/10/04  
Ambient Temperature = 24.5degree.c  
Liquid Temperature = Before 23.2 degree.C , After 23.2degree.C



**WT-2A / Body / SIDE\_0mm / DSSS / 2412MHz**

Crest factor: 1  
Medium: M2450 ( $\sigma = 2$  mho/m,  $\epsilon_r = 50.1$ ,  $\rho = 1000$  kg/m<sup>3</sup>)  
Phantom section: Flat Section

DASY4 Configuration:  
- Probe: ET3DV6 - SN1684; ConvF(4.14, 4.14, 4.14); Calibrated: 2004/09/02  
- Sensor-Surface: 4mm (Mechanical And Optical Surface Detection)  
- Phantom: SAM 1196  
- Measurement SW: DASY4, V4.1 Build 47; Postprocessing SW: SEMCAD, V1.6 Build 115

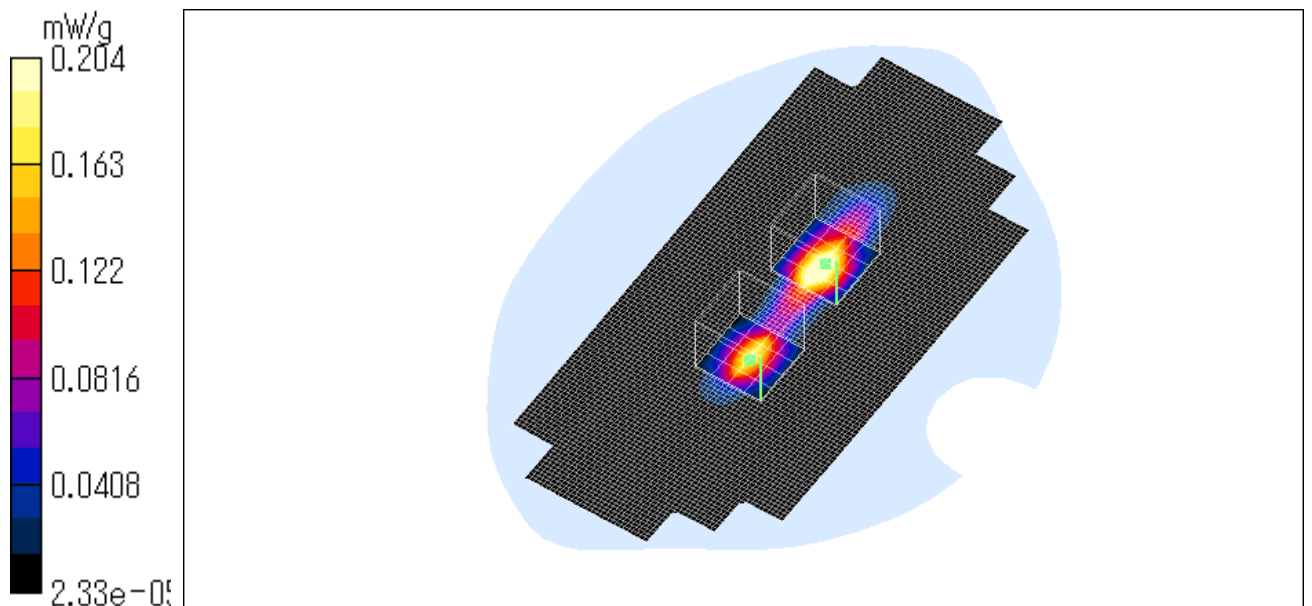
**Area Scan (61x131x1):** Measurement grid: dx=20mm, dy=20mm  
Maximum value of SAR = 0.26 mW/g

**Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm  
Peak SAR (extrapolated) = 0.553 W/kg  
**SAR(1 g) = 0.239 mW/g; SAR(10 g) = 0.099 mW/g**  
Maximum value of SAR = 0.263 mW/g

**Zoom Scan (5x5x7)/Cube 1:** Measurement grid: dx=8mm, dy=8mm, dz=5mm  
Peak SAR (extrapolated) = 0.423 W/kg  
**SAR(1 g) = 0.182 mW/g; SAR(10 g) = 0.0749 mW/g**  
Maximum value of SAR = 0.204 mW/g

Reference Value = 2.3 V/m  
Power Drift = 0.3 dB

Test Date = 11/10/04  
Ambient Temperature = 24.5degree.c  
Liquid Temperature = Before 23.2 degree.C , After 23.2degree.C



**WT-2A / Body / SIDE\_0mm / DSSS / 2462MHz**

Crest factor: 1  
Medium: M2450 ( $\sigma = 2$  mho/m,  $\epsilon_r = 50.1$ ,  $\rho = 1000$  kg/m<sup>3</sup>)  
Phantom section: Flat Section

DASY4 Configuration:  
- Probe: ET3DV6 - SN1684; ConvF(4.14, 4.14, 4.14); Calibrated: 2004/09/02  
- Sensor-Surface: 4mm (Mechanical And Optical Surface Detection)  
- Phantom: SAM 1196  
- Measurement SW: DASY4, V4.1 Build 47; Postprocessing SW: SEMCAD, V1.6 Build 115

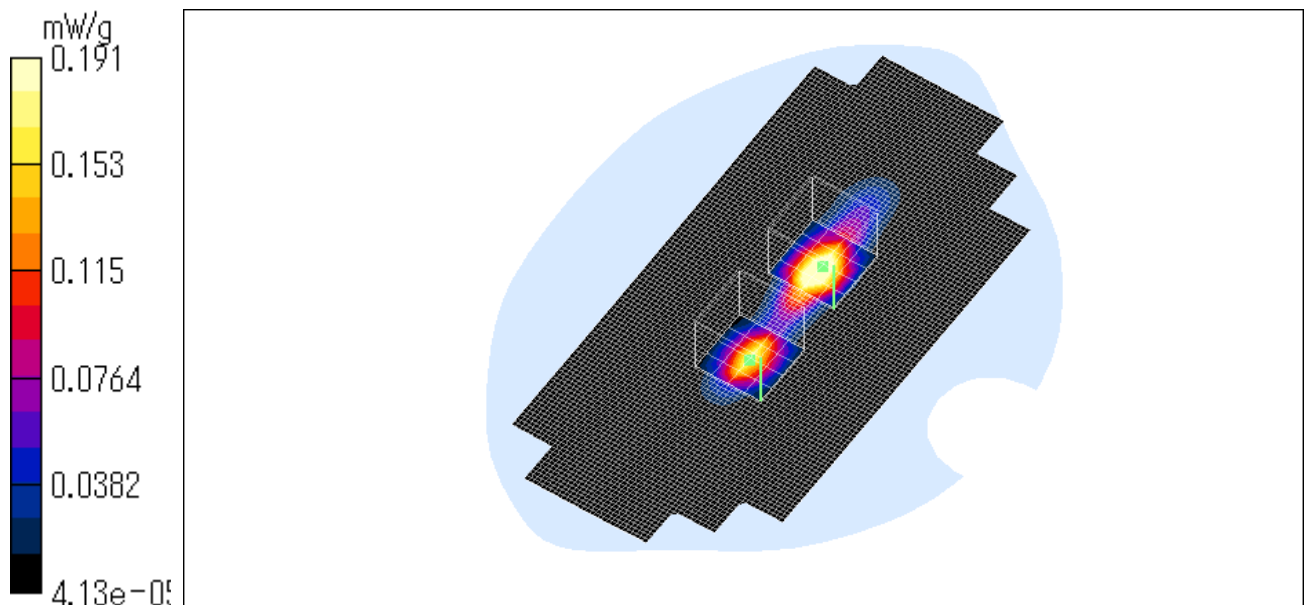
**Area Scan (61x131x1):** Measurement grid: dx=20mm, dy=20mm  
Maximum value of SAR = 0.233 mW/g

**Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm  
Peak SAR (extrapolated) = 0.522 W/kg  
**SAR(1 g) = 0.233 mW/g; SAR(10 g) = 0.0954 mW/g**  
Maximum value of SAR = 0.254 mW/g

**Zoom Scan (5x5x7)/Cube 1:** Measurement grid: dx=8mm, dy=8mm, dz=5mm  
Peak SAR (extrapolated) = 0.407 W/kg  
**SAR(1 g) = 0.17 mW/g; SAR(10 g) = 0.0685 mW/g**  
Maximum value of SAR = 0.191 mW/g

Reference Value = 2.37 V/m  
Power Drift = -0.2 dB

Test Date = 11/10/04  
Ambient Temperature = 24.5degree.c  
Liquid Temperature = Before 23.2 degree.C , After 23.2degree.C





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**WT-2A / Body / TOP / OFDM 64QAM / 2437MHz**

Crest factor: 1  
Medium: M2450 ( $\sigma = 2$  mho/m,  $\epsilon_r = 50.1$ ,  $\rho = 1000$  kg/m<sup>3</sup>)  
Phantom section: Flat Section

DASY4 Configuration:

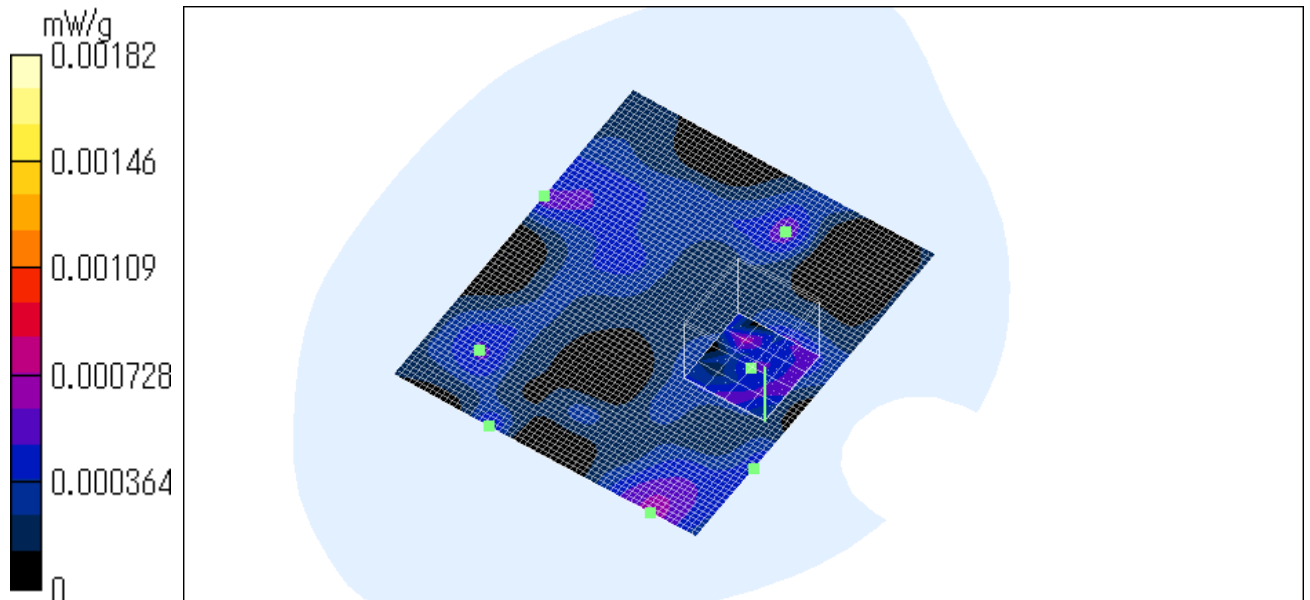
- Probe: ET3DV6 - SN1684; ConvF(4.14, 4.14, 4.14); Calibrated: 2004/09/02
- Sensor-Surface: 4mm (Mechanical And Optical Surface Detection)
- Phantom: SAM 1196
- Measurement SW: DASY4, V4.1 Build 47; Postprocessing SW: SEMCAD, V1.6 Build 115

**Area Scan (61x71x1):** Measurement grid: dx=20mm, dy=20mm  
Maximum value of SAR = 0.000692 mW/g

**Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm  
Peak SAR (extrapolated) = 0.00216 W/kg  
**SAR(1 g) = 0.000639 mW/g; SAR(10 g) = 0.000349 mW/g**  
Maximum value of SAR = 0.00182 mW/g

Reference Value = 0.576 V/m  
Power Drift = -0.4 dB

Test Date = 11/10/04  
Ambient Temperature = 24.5degree.c  
Liquid Temperature = Before 23.2 degree.C , After 23.2degree.C





**WT-2A / Body / SIDE\_0mm / OFDM 64QAM / 2437MHz**

Crest factor: 1  
Medium: M2450 ( $\sigma = 2$  mho/m,  $\epsilon_r = 50.1$ ,  $\rho = 1000$  kg/m<sup>3</sup>)  
Phantom section: Flat Section

DASY4 Configuration:  
- Probe: ET3DV6 - SN1684; ConvF(4.14, 4.14, 4.14); Calibrated: 2004/09/02  
- Sensor-Surface: 4mm (Mechanical And Optical Surface Detection)  
- Phantom: SAM 1196  
- Measurement SW: DASY4, V4.1 Build 47; Postprocessing SW: SEMCAD, V1.6 Build 115

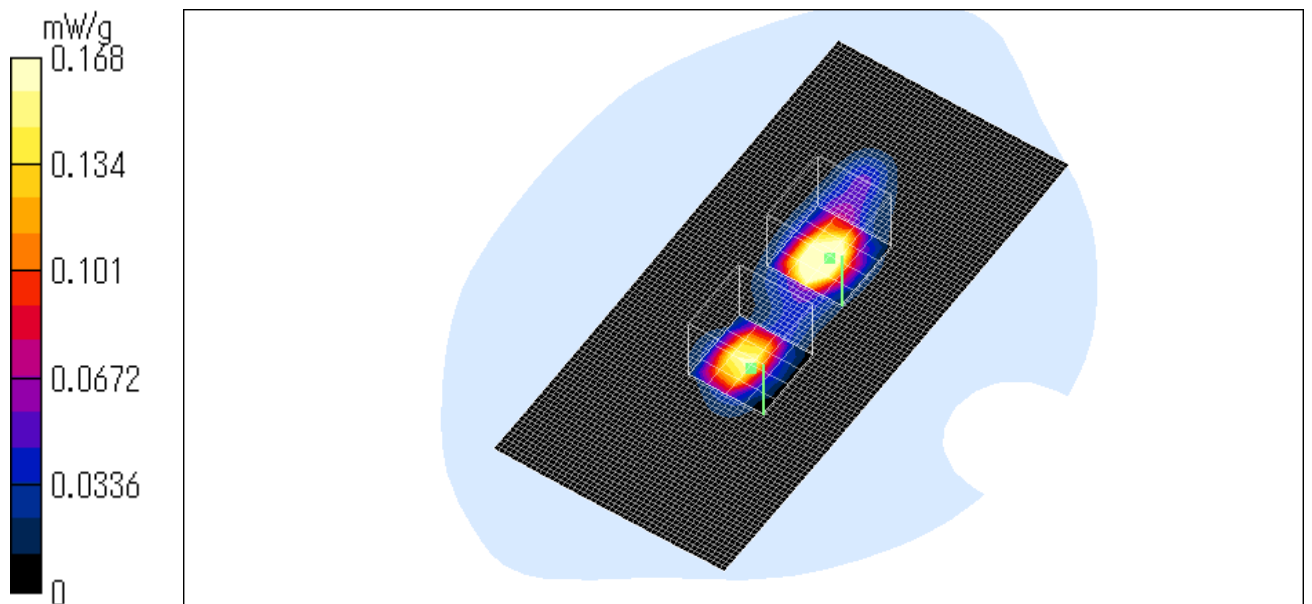
**Area Scan (51x111x1):** Measurement grid: dx=20mm, dy=20mm  
Maximum value of SAR = 0.157 mW/g

**Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm  
Peak SAR (extrapolated) = 0.553 W/kg  
**SAR(1 g) = 0.232 mW/g; SAR(10 g) = 0.0946 mW/g**  
Maximum value of SAR = 0.243 mW/g

**Zoom Scan (5x5x7)/Cube 1:** Measurement grid: dx=8mm, dy=8mm, dz=5mm  
Peak SAR (extrapolated) = 0.413 W/kg  
**SAR(1 g) = 0.17 mW/g; SAR(10 g) = 0.0685 mW/g**  
Maximum value of SAR = 0.168 mW/g

Reference Value = 2.27 V/m  
Power Drift = -0.4 dB

Test Date = 11/10/04  
Ambient Temperature = 24.5degree.c  
Liquid Temperature = Before 23.2 degree.C , After 23.2degree.C



**WT-2A / Body / SIDE\_0mm / OFDM 64QAM / 2412MHz**

Crest factor: 1  
Medium: M2450 ( $\sigma = 2$  mho/m,  $\epsilon_r = 50.1$ ,  $\rho = 1000$  kg/m<sup>3</sup>)  
Phantom section: Flat Section

DASY4 Configuration:  
- Probe: ET3DV6 - SN1684; ConvF(4.14, 4.14, 4.14); Calibrated: 2004/09/02  
- Sensor-Surface: 4mm (Mechanical And Optical Surface Detection)  
- Phantom: SAM 1196  
- Measurement SW: DASY4, V4.1 Build 47; Postprocessing SW: SEMCAD, V1.6 Build 115

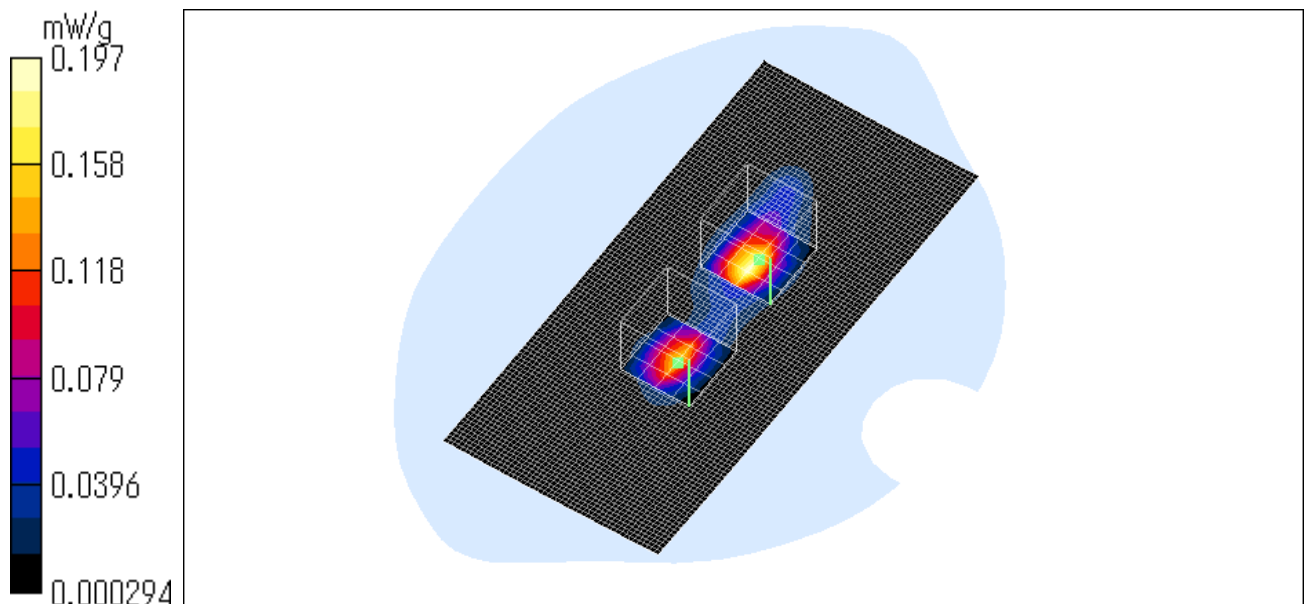
**Area Scan (51x111x1):** Measurement grid: dx=20mm, dy=20mm  
Maximum value of SAR = 0.134 mW/g

**Zoom Scan (5x5x7)/Cube 1:** Measurement grid: dx=8mm, dy=8mm, dz=5mm  
Peak SAR (extrapolated) = 0.338 W/kg  
**SAR(1 g) = 0.144 mW/g; SAR(10 g) = 0.0588 mW/g**  
Maximum value of SAR = 0.159 mW/g

**Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm  
Peak SAR (extrapolated) = 0.416 W/kg  
**SAR(1 g) = 0.182 mW/g; SAR(10 g) = 0.0763 mW/g**  
Maximum value of SAR = 0.197 mW/g

Reference Value = 2.09 V/m  
Power Drift = -0.3 dB

Test Date = 11/10/04  
Ambient Temperature = 24.5degree.c  
Liquid Temperature = Before 23.2 degree.C , After 23.2degree.C



**WT-2A / Body / SIDE\_0mm / OFDM 64QAM / 2462MHz**

Crest factor: 1  
Medium: M2450 ( $\sigma = 2$  mho/m,  $\epsilon_r = 50.1$ ,  $\rho = 1000$  kg/m<sup>3</sup>)  
Phantom section: Flat Section

DASY4 Configuration:  
- Probe: ET3DV6 - SN1684; ConvF(4.14, 4.14, 4.14); Calibrated: 2004/09/02  
- Sensor-Surface: 4mm (Mechanical And Optical Surface Detection)  
- Phantom: SAM 1196  
- Measurement SW: DASY4, V4.1 Build 47; Postprocessing SW: SEMCAD, V1.6 Build 115

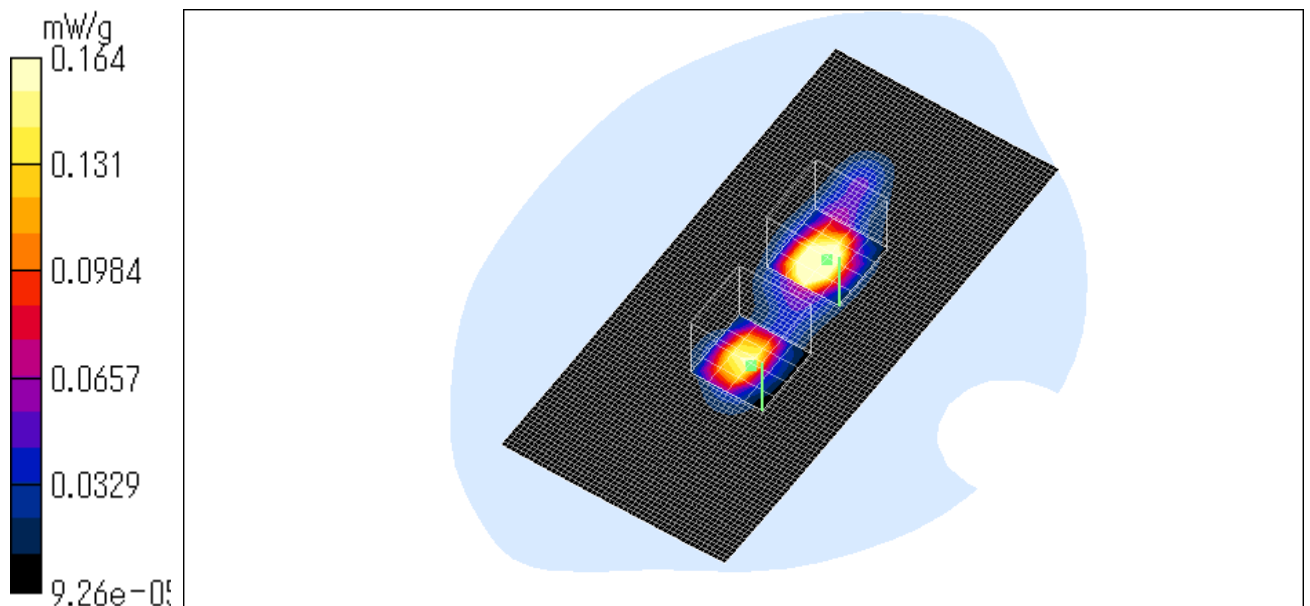
**Area Scan (51x111x1):** Measurement grid: dx=20mm, dy=20mm  
Maximum value of SAR = 0.164 mW/g

**Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm  
Peak SAR (extrapolated) = 0.524 W/kg  
**SAR(1 g) = 0.227 mW/g; SAR(10 g) = 0.0931 mW/g**  
Maximum value of SAR = 0.242 mW/g

**Zoom Scan (5x5x7)/Cube 1:** Measurement grid: dx=8mm, dy=8mm, dz=5mm  
Peak SAR (extrapolated) = 0.404 W/kg  
**SAR(1 g) = 0.165 mW/g; SAR(10 g) = 0.0665 mW/g**  
Maximum value of SAR = 0.164 mW/g

Reference Value = 2.15 V/m  
Power Drift = -0.1 dB

Test Date = 11/10/04  
Ambient Temperature = 24.5degree.c  
Liquid Temperature = Before 23.2 degree.C , After 23.2degree.C



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### WT-2A / Body / TOP / OFDM QPSK / 2437MHz

Crest factor: 1  
Medium: M2450 ( $\sigma = 2$  mho/m,  $\epsilon_r = 50.1$ ,  $\rho = 1000$  kg/m<sup>3</sup>)  
Phantom section: Flat Section

DASY4 Configuration:

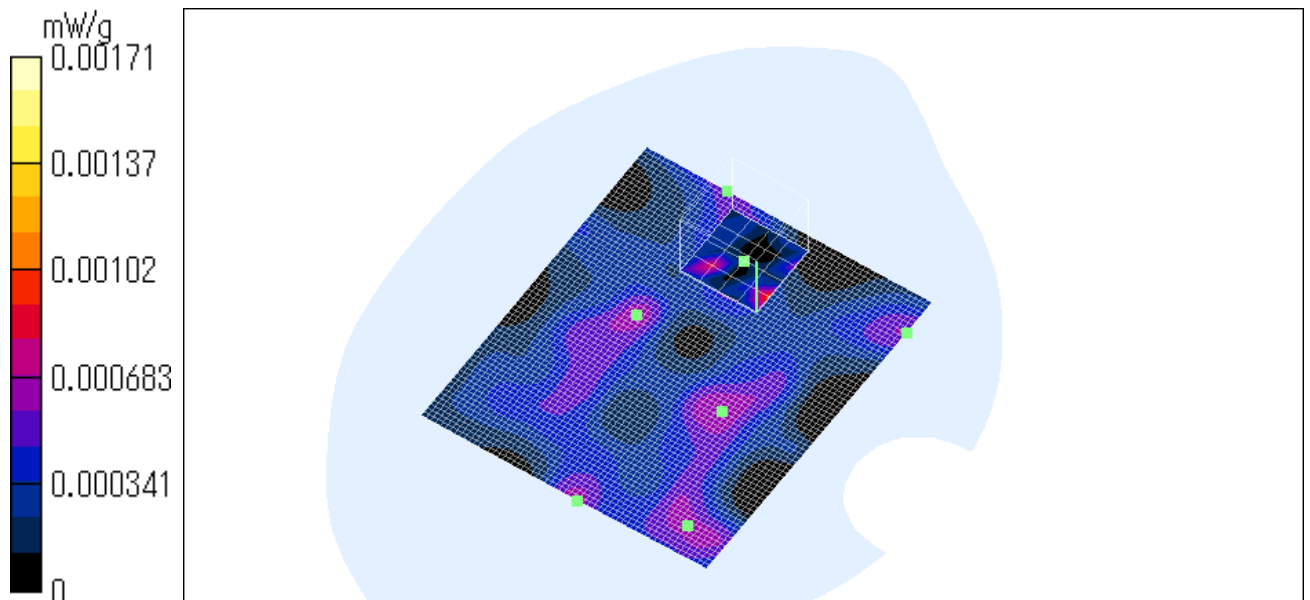
- Probe: ET3DV6 - SN1684; ConvF(4.14, 4.14, 4.14); Calibrated: 2004/09/02
- Sensor-Surface: 4mm (Mechanical And Optical Surface Detection)
- Phantom: SAM 1196
- Measurement SW: DASY4, V4.1 Build 47; Postprocessing SW: SEMCAD, V1.6 Build 115

**Area Scan (61x71x1):** Measurement grid: dx=20mm, dy=20mm  
Maximum value of SAR = 0.000892 mW/g

**Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm  
Peak SAR (extrapolated) = 0.0018 W/kg  
**SAR(1 g) = 0.000821 mW/g; SAR(10 g) = 0.000314 mW/g**  
Maximum value of SAR = 0.00171 mW/g

Reference Value = 0.292 V/m  
Power Drift = 0.4 dB

Test Date = 11/10/04  
Ambient Temperature = 24.5degree.c  
Liquid Temperature = Before 23.2 degree.C , After 23.2degree.C



**WT-2A / Body / SIDE\_0mm / OFDM QPSK / 2437MHz**

Crest factor: 1  
Medium: M2450 ( $\sigma = 2$  mho/m,  $\epsilon_r = 50.1$ ,  $\rho = 1000$  kg/m<sup>3</sup>)  
Phantom section: Flat Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1684; ConvF(4.14, 4.14, 4.14); Calibrated: 2004/09/02
- Sensor-Surface: 4mm (Mechanical And Optical Surface Detection)
- Phantom: SAM 1196
- Measurement SW: DASY4, V4.1 Build 47; Postprocessing SW: SEMCAD, V1.6 Build 115

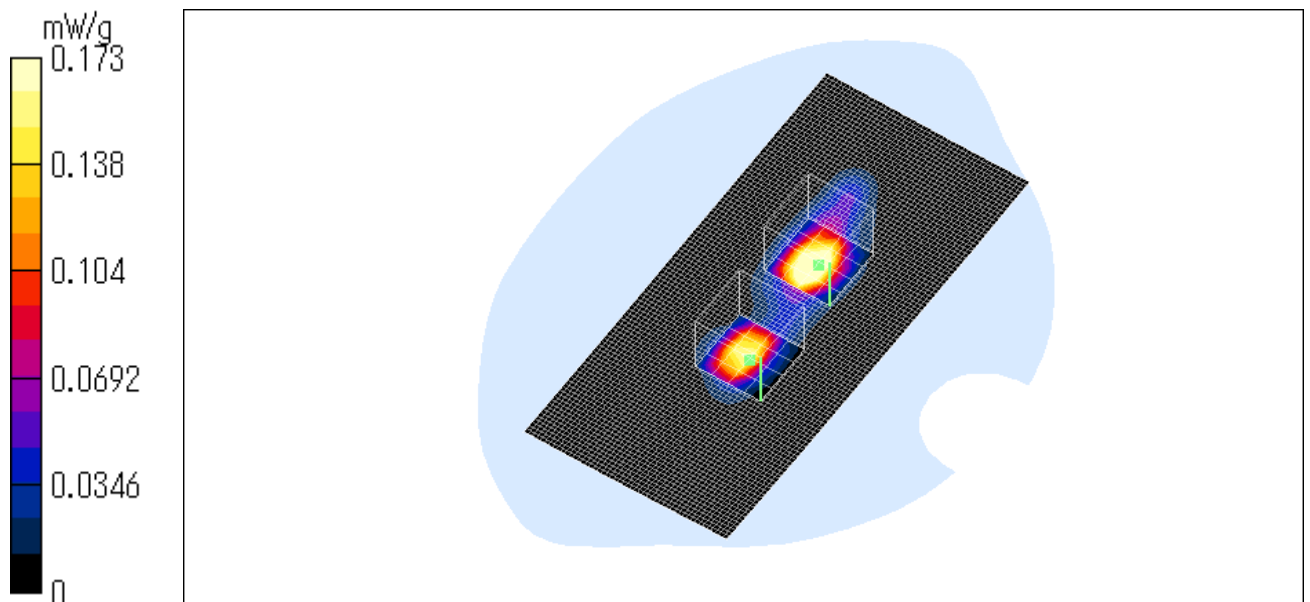
**Area Scan (51x111x1):** Measurement grid: dx=20mm, dy=20mm  
Maximum value of SAR = 0.168 mW/g

**Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm  
Peak SAR (extrapolated) = 0.539 W/kg  
**SAR(1 g) = 0.229 mW/g; SAR(10 g) = 0.0945 mW/g**  
Maximum value of SAR = 0.24 mW/g

**Zoom Scan (5x5x7)/Cube 1:** Measurement grid: dx=8mm, dy=8mm, dz=5mm  
Peak SAR (extrapolated) = 0.415 W/kg  
**SAR(1 g) = 0.173 mW/g; SAR(10 g) = 0.0705 mW/g**  
Maximum value of SAR = 0.173 mW/g

Reference Value = 2.09 V/m  
Power Drift = 0.3 dB

Test Date = 11/10/04  
Ambient Temperature = 24.5degree.c  
Liquid Temperature = Before 23.2 degree.C , After 23.2degree.C



**WT-2A / Body / SIDE\_0mm / OFDM QPSK / 2412MHz**

Crest factor: 1  
Medium: M2450 ( $\sigma = 2$  mho/m,  $\epsilon_r = 50.1$ ,  $\rho = 1000$  kg/m<sup>3</sup>)  
Phantom section: Flat Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1684; ConvF(4.14, 4.14, 4.14); Calibrated: 2004/09/02
- Sensor-Surface: 4mm (Mechanical And Optical Surface Detection)
- Phantom: SAM 1196
- Measurement SW: DASY4, V4.1 Build 47; Postprocessing SW: SEMCAD, V1.6 Build 115

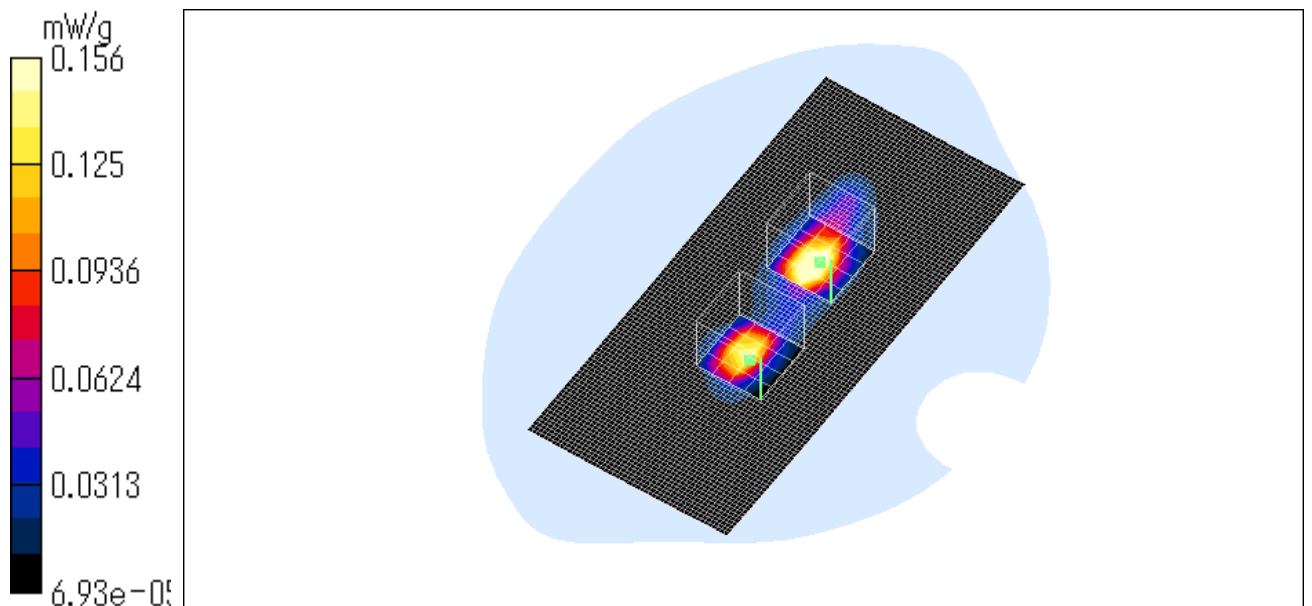
**Area Scan (51x111x1):** Measurement grid: dx=20mm, dy=20mm  
Maximum value of SAR = 0.157 mW/g

**Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm  
Peak SAR (extrapolated) = 0.433 W/kg  
**SAR(1 g) = 0.19 mW/g; SAR(10 g) = 0.0799 mW/g**  
Maximum value of SAR = 0.204 mW/g

**Zoom Scan (5x5x7)/Cube 1:** Measurement grid: dx=8mm, dy=8mm, dz=5mm  
Peak SAR (extrapolated) = 0.356 W/kg  
**SAR(1 g) = 0.152 mW/g; SAR(10 g) = 0.0621 mW/g**  
Maximum value of SAR = 0.156 mW/g

Reference Value = 1.95 V/m  
Power Drift = 0.2 dB

Test Date = 11/10/04  
Ambient Temperature = 24.5degree.c  
Liquid Temperature = Before 23.2 degree.C , After 23.2degree.C





**WT-2A / Body / SIDE\_0mm / OFDM QPSK / 2462MHz**

Crest factor: 1  
Medium: HSL2450 ( $\sigma = 1.86$  mho/m,  $\epsilon_r = 35.4$ ,  $\rho = 1000$  kg/m<sup>3</sup>)  
Phantom section: Flat Section

DASY4 Configuration:  
- Probe: ET3DV6 - SN1684; ConvF(4.39, 4.39, 4.39); Calibrated: 2004/09/02  
- Sensor-Surface: 4mm (Mechanical And Optical Surface Detection)  
- Phantom: SAM 1196  
- Measurement SW: DASY4, V4.1 Build 47; Postprocessing SW: SEMCAD, V1.6 Build 115

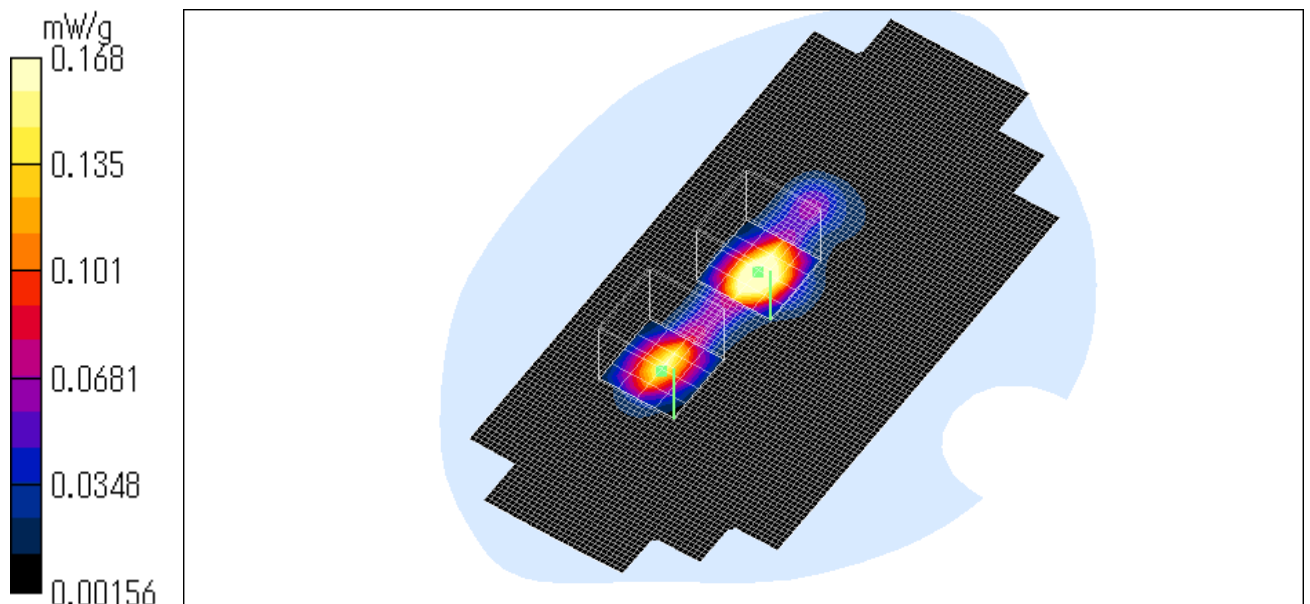
**Area Scan (61x131x1):** Measurement grid: dx=20mm, dy=20mm  
Maximum value of SAR = 0.186 mW/g

**Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm  
Peak SAR (extrapolated) = 0.44 W/kg  
**SAR(1 g) = 0.207 mW/g; SAR(10 g) = 0.0878 mW/g**  
Maximum value of SAR = 0.231 mW/g

**Zoom Scan (5x5x7)/Cube 1:** Measurement grid: dx=8mm, dy=8mm, dz=5mm  
Peak SAR (extrapolated) = 0.357 W/kg  
**SAR(1 g) = 0.152 mW/g; SAR(10 g) = 0.0629 mW/g**  
Maximum value of SAR = 0.168 mW/g

Reference Value = 4.54 V/m  
Power Drift = 0.1 dB

Test Date = 11/10/04  
Ambient Temperature = 24.5degree.c  
Liquid Temperature = Before 23.2 degree.C , After 23.2degree.C





**WT-2A / Body / SIDE\_5mm / DSSS/ 2437MHz**

Crest factor: 1  
Medium: M2450 ( $\sigma = 2$  mho/m,  $\epsilon_r = 50.1$ ,  $\rho = 1000$  kg/m<sup>3</sup>)  
Phantom section: Flat Section

DASY4 Configuration:

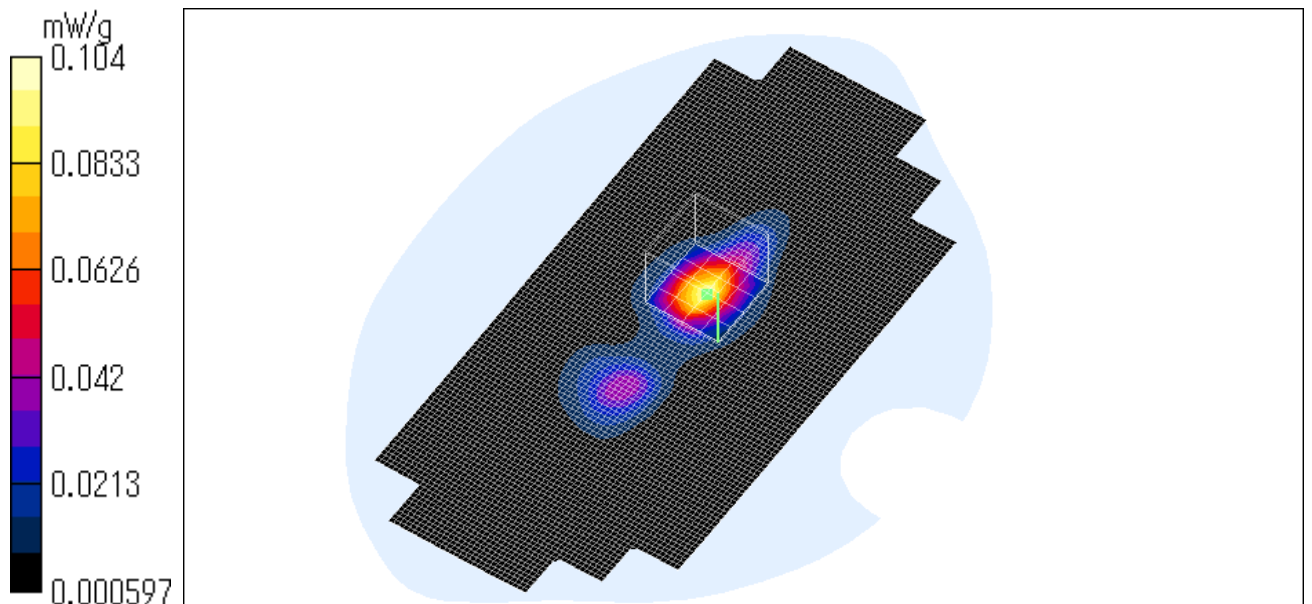
- Probe: ET3DV6 - SN1684; ConvF(4.14, 4.14, 4.14); Calibrated: 2004/09/02
- Sensor-Surface: 4mm (Mechanical And Optical Surface Detection)
- Phantom: SAM 1196
- Measurement SW: DASY4, V4.1 Build 47; Postprocessing SW: SEMCAD, V1.6 Build 115

**Area Scan (61x131x1):** Measurement grid: dx=20mm, dy=20mm  
Maximum value of SAR = 0.0816 mW/g

**Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm  
Peak SAR (extrapolated) = 0.206 W/kg  
**SAR(1 g) = 0.094 mW/g; SAR(10 g) = 0.0432 mW/g**  
Maximum value of SAR = 0.104 mW/g

Reference Value = 3.47 V/m  
Power Drift = 0.3 dB

Test Date = 11/10/04  
Ambient Temperature = 24.5degree.c  
Liquid Temperature = Before 23.2 degree.C , After 23.2degree.C



**WT-2A / Body / SIDE\_10mm / DSSS/ 2437MHz**

Crest factor: 1  
Medium: M2450 ( $\sigma = 2$  mho/m,  $\epsilon_r = 50.1$ ,  $\rho = 1000$  kg/m<sup>3</sup>)  
Phantom section: Flat Section

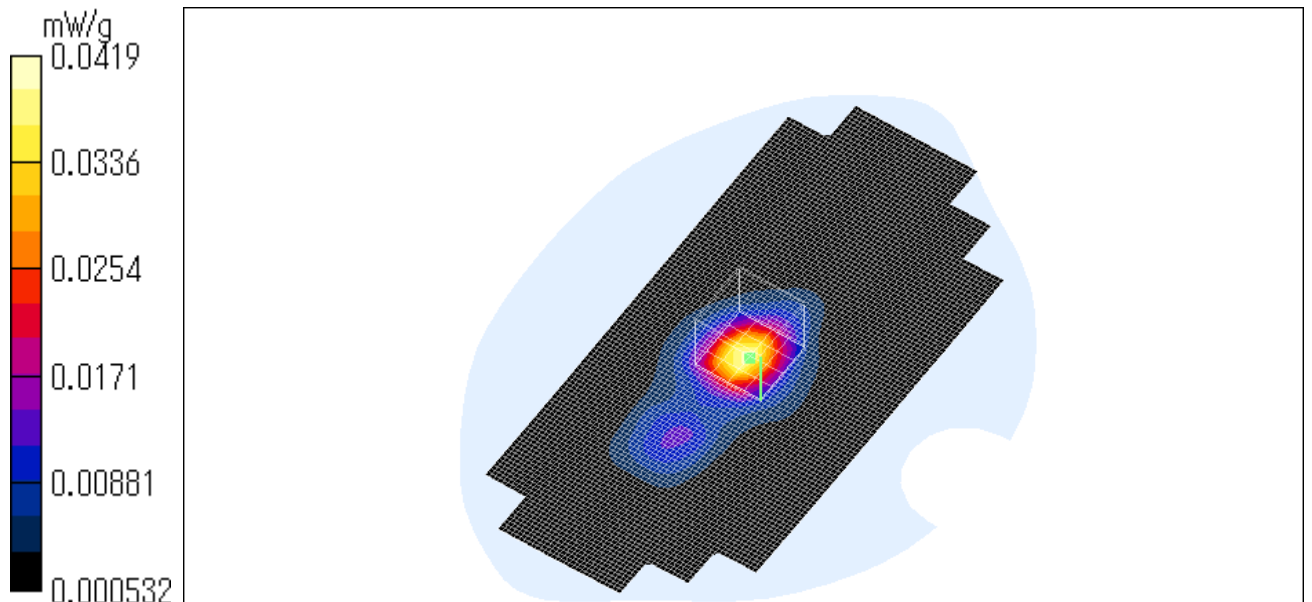
DASY4 Configuration:  
- Probe: ET3DV6 - SN1684; ConvF(4.14, 4.14, 4.14); Calibrated: 2004/09/02  
- Sensor-Surface: 4mm (Mechanical And Optical Surface Detection)  
- Phantom: SAM 1196  
- Measurement SW: DASY4, V4.1 Build 47; Postprocessing SW: SEMCAD, V1.6 Build 115

**Area Scan (61x131x1):** Measurement grid: dx=20mm, dy=20mm  
Maximum value of SAR = 0.0388 mW/g

**Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm  
Peak SAR (extrapolated) = 0.0815 W/kg  
**SAR(1 g) = 0.04 mW/g; SAR(10 g) = 0.0204 mW/g**  
Maximum value of SAR = 0.0419 mW/g

Reference Value = 4.51 V/m  
Power Drift = 0.08 dB

Test Date = 11/10/04  
Ambient Temperature = 24.5degree.c  
Liquid Temperature = Before 23.2 degree.C , After 23.2degree.C



**WT-2A / Body / SIDE\_15mm / DSSS/ 2437MHz**

Crest factor: 1  
Medium: M2450 ( $\sigma = 2$  mho/m,  $\epsilon_r = 50.1$ ,  $\rho = 1000$  kg/m<sup>3</sup>)  
Phantom section: Flat Section

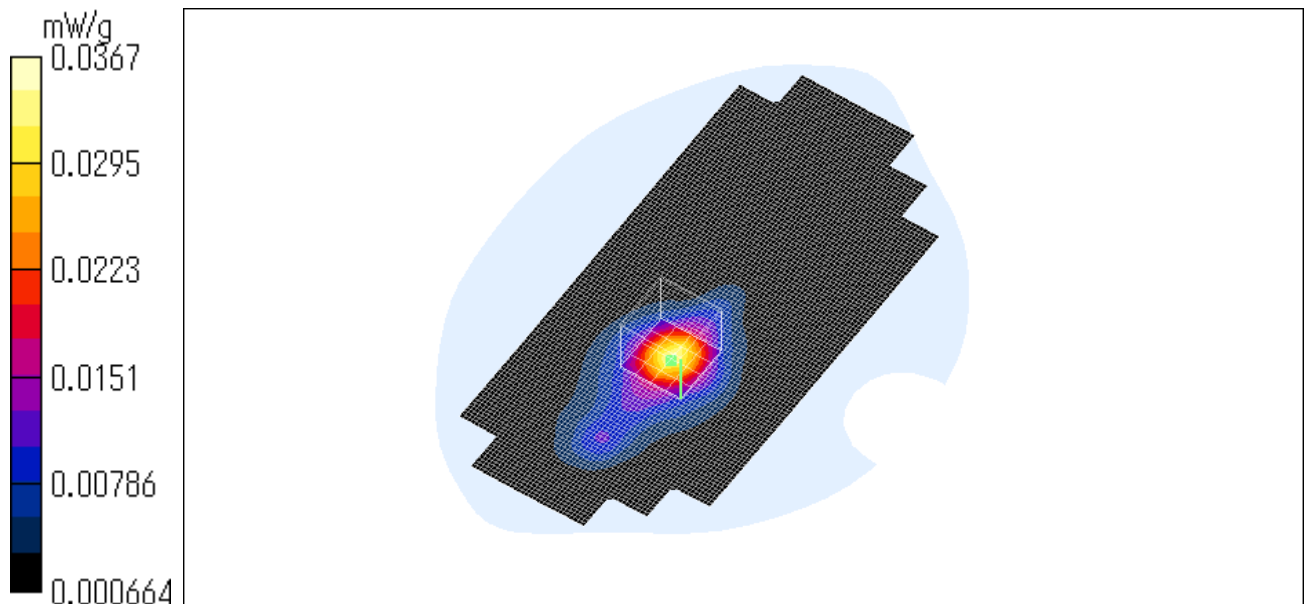
DASY4 Configuration:  
- Probe: ET3DV6 - SN1684; ConvF(4.14, 4.14, 4.14); Calibrated: 2004/09/02  
- Sensor-Surface: 4mm (Mechanical And Optical Surface Detection)  
- Phantom: SAM 1196  
- Measurement SW: DASY4, V4.1 Build 47; Postprocessing SW: SEMCAD, V1.6 Build 115

**Area Scan (61x131x1):** Measurement grid: dx=20mm, dy=20mm  
Maximum value of SAR = 0.0364 mW/g

**Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm  
Peak SAR (extrapolated) = 0.0654 W/kg  
**SAR(1 g) = 0.0337 mW/g; SAR(10 g) = 0.0176 mW/g**  
Maximum value of SAR = 0.0367 mW/g

Reference Value = 2.03 V/m  
Power Drift = -0.1 dB

Test Date = 11/10/04  
Ambient Temperature = 24.5degree.c  
Liquid Temperature = Before 23.2 degree.C , After 23.2degree.C



## **APPENDIX 4 : Validation Measurement data**

**System Validation / Dipole 2450 MHz / Forward Conducted Power : 250mW**

Crest factor: 1  
Medium: HSL2450 ( $\sigma = 1.85$  mho/m,  $\epsilon_r = 35.9$ ,  $\rho = 1000$  kg/m<sup>3</sup>)  
Phantom section: Flat Section

Dipole 2450 MHz;  
- Type: D2450V2; Serial: SN:713

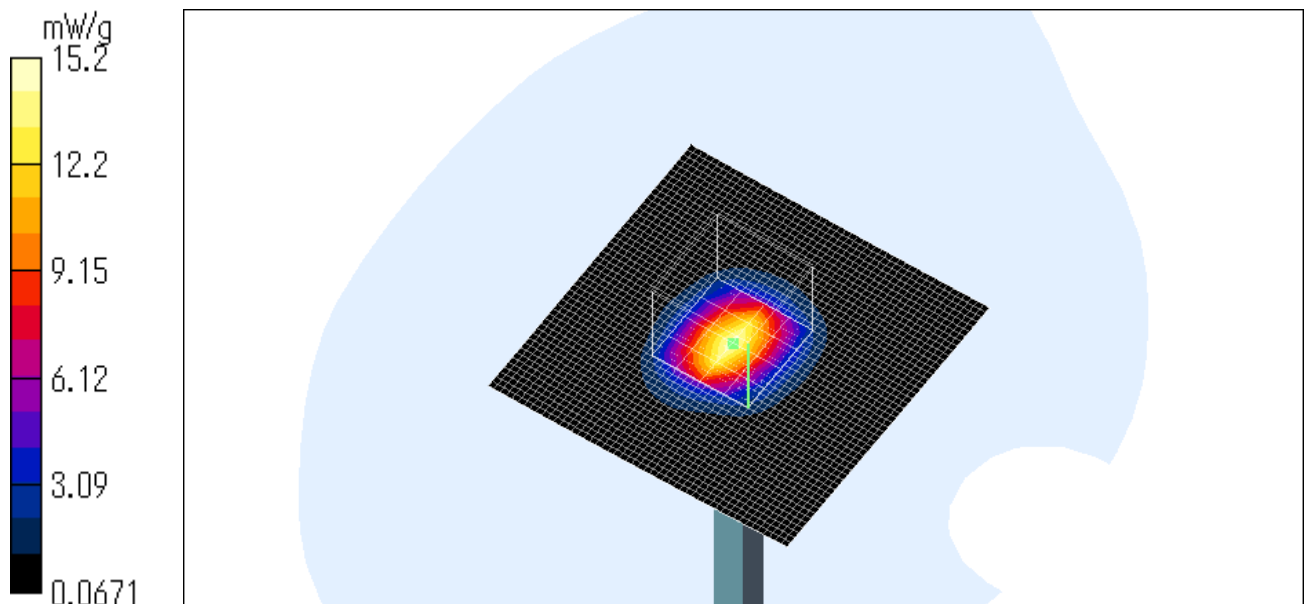
DASY4 Configuration:  
- Probe: ET3DV6 - SN1684; ConvF(4.39, 4.39, 4.39); Calibrated: 2004/09/02  
- Sensor-Surface: 4mm (Mechanical And Optical Surface Detection)  
- Phantom: SAM 1196  
- Measurement SW: DASY4, V4.1 Build 47; Postprocessing SW: SEMCAD, V1.6 Build 115

**Area Scan (51x51x1):** Measurement grid: dx=20mm, dy=20mm  
Maximum value of SAR = 16.3 mW/g

**Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm  
Peak SAR (extrapolated) = 28.9 W/kg  
**SAR(1 g) = 13.7 mW/g; SAR(10 g) = 6.19 mW/g**  
Maximum value of SAR = 15.2 mW/g

Reference Value = 94.5 V/m  
Power Drift = -0.004 dB

Test Date = 11/09/04  
Ambient Temperature = 25.0 degree.c  
Liquid Temperature = Before 24.2 degree.C , After 24.2 degree.C



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**System Validation / Dipole 2450 MHz / Forward Conducted Power : 250mW**

Crest factor: 1  
Medium: HSL2450 ( $\sigma = 1.86$  mho/m,  $\epsilon_r = 35.8$ ,  $\rho = 1000$  kg/m<sup>3</sup>)  
Phantom section: Flat Section

Dipole 2450 MHz;  
- Type: D2450V2; Serial: SN:713

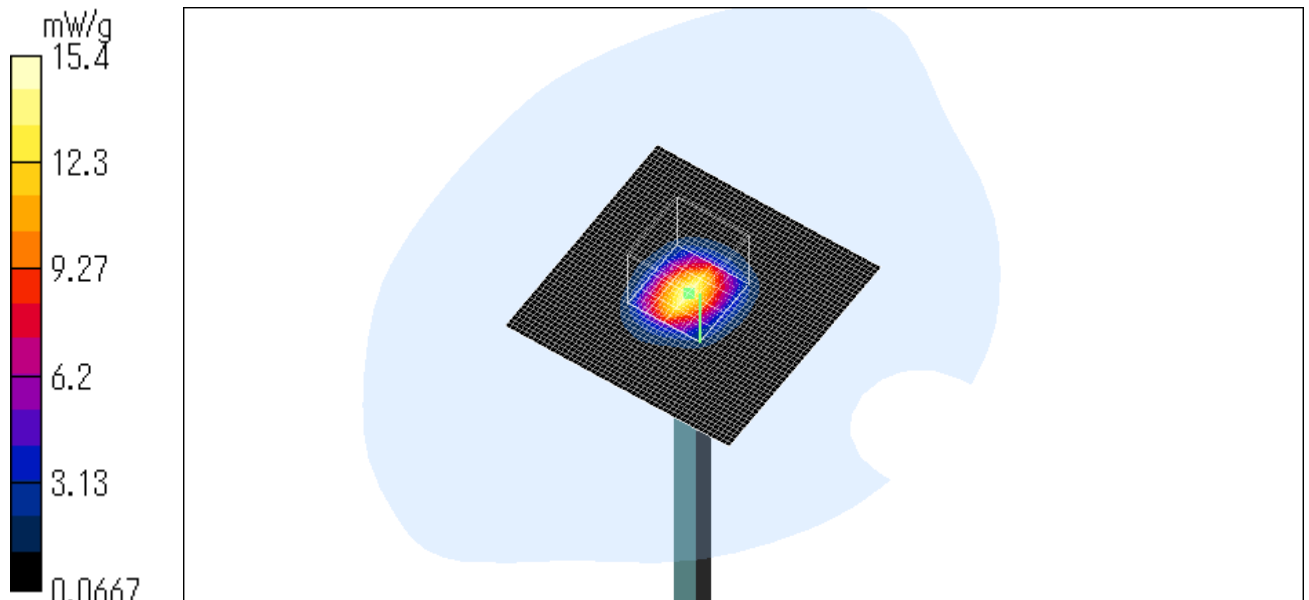
DASY4 Configuration:  
- Probe: ET3DV6 - SN1684; ConvF(4.39, 4.39, 4.39); Calibrated: 2004/09/02  
- Sensor-Surface: 4mm (Mechanical And Optical Surface Detection)  
- Phantom: SAM 1196  
- Measurement SW: DASY4, V4.1 Build 47; Postprocessing SW: SEMCAD, V1.6 Build 115

**Area Scan (51x51x1):** Measurement grid: dx=20mm, dy=20mm  
Maximum value of SAR = 16.8 mW/g

**Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm  
Peak SAR (extrapolated) = 29.7 W/kg  
**SAR(1 g) = 14 mW/g; SAR(10 g) = 6.26 mW/g**  
Maximum value of SAR = 15.4 mW/g

Reference Value = 94.7 V/m  
Power Drift = -0.001 dB

Test Date = 11/10/04  
Ambient Temperature = 25.0 degree.c  
Liquid Temperature = Before 24.0 degree.C , After 24.0 degree.C



**System Validation / Dipole 2450 MHz / Forward Conducted Power : 250mW**

Crest factor: 1  
Medium: HSL2450 ( $\sigma = 1.86$  mho/m,  $\epsilon_r = 35.4$ ,  $\rho = 1000$  kg/m<sup>3</sup>)  
Phantom section: Flat Section

Dipole 2450 MHz;  
- Type: D2450V2; Serial: SN:713

DASY4 Configuration:  
- Probe: ET3DV6 - SN1684; ConvF(4.39, 4.39, 4.39); Calibrated: 2004/09/02  
- Sensor-Surface: 4mm (Mechanical And Optical Surface Detection)  
- Phantom: SAM 1196  
- Measurement SW: DASY4, V4.1 Build 47; Postprocessing SW: SEMCAD, V1.6 Build 115

**Area Scan (51x51x1):** Measurement grid: dx=20mm, dy=20mm  
Maximum value of SAR = 16.7 mW/g

**Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm  
Peak SAR (extrapolated) = 29 W/kg  
**SAR(1 g) = 13.9 mW/g; SAR(10 g) = 6.31 mW/g**  
Maximum value of SAR = 15.4 mW/g

Reference Value = 95.1 V/m  
Power Drift = -0.007 dB

Test Date = 11/14/04  
Ambient Temperature = 24.5degree.c  
Liquid Temperature = Before 24.0 degree.C , After 24.0 degree.C

