

Test Laboratory: Compliance Certification Services Inc.

## 802.11b Bottom Flat IAC

**DUT: IAC; Type: IAC; Serial: N/A**

Communication System: IEEE 802.11b WLAN; Frequency: 2412 MHz; Duty Cycle: 1:1  
Medium parameters used:  $f = 2412$  MHz;  $\sigma = 1.92$  mho/m;  $\epsilon_r = 52.6$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

Air Temperature: 24.6 deg C; Liquid Temperature: 23.6 deg C

Area Scan Find Secondary Maximum Within 2dB and with a peak SAR value greater than 0.0012W/kg

### DASY4 Configuration:

- Probe: EX3DV4 - SN3554; ConvF(6.12, 6.12, 6.12);
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn558; Calibrated: 2010/7/14
- Phantom: Flat Phantom ELI4.0; Type: QDOVA001BA; Serial: SN: 1052
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

### Bottom Flat Low CH1/Area Scan (8x11x1):

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

Maximum value of SAR (measured) = 1.77 mW/g

### Bottom Flat Low CH1/Zoom Scan (7x7x9)/Cube 0:

Measurement grid: dx=5mm, dy=5mm, dz=3mm

Reference Value = 1.19 V/m; Power Drift = -0.059 dB

Peak SAR (extrapolated) = 3.68 W/kg

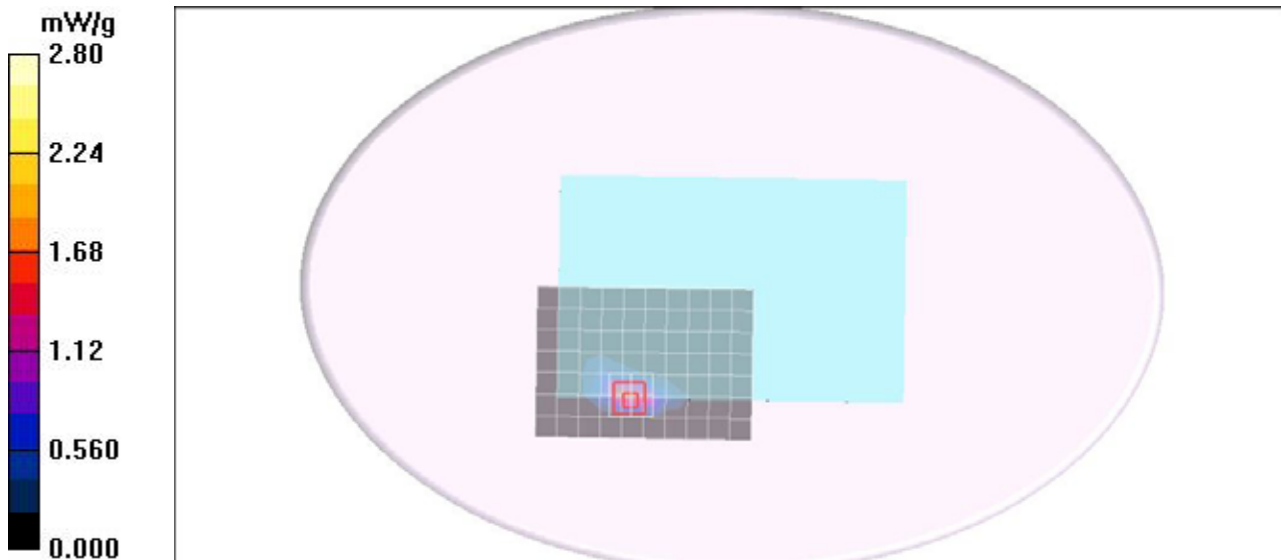
**SAR(1 g) = 1.160 mW/g; SAR(10 g) = 0.447 mW/g**

Maximum value of SAR (measured) = 1.85 mW/g

### Bottom Flat Low CH1/Z Scan (1x1x21):

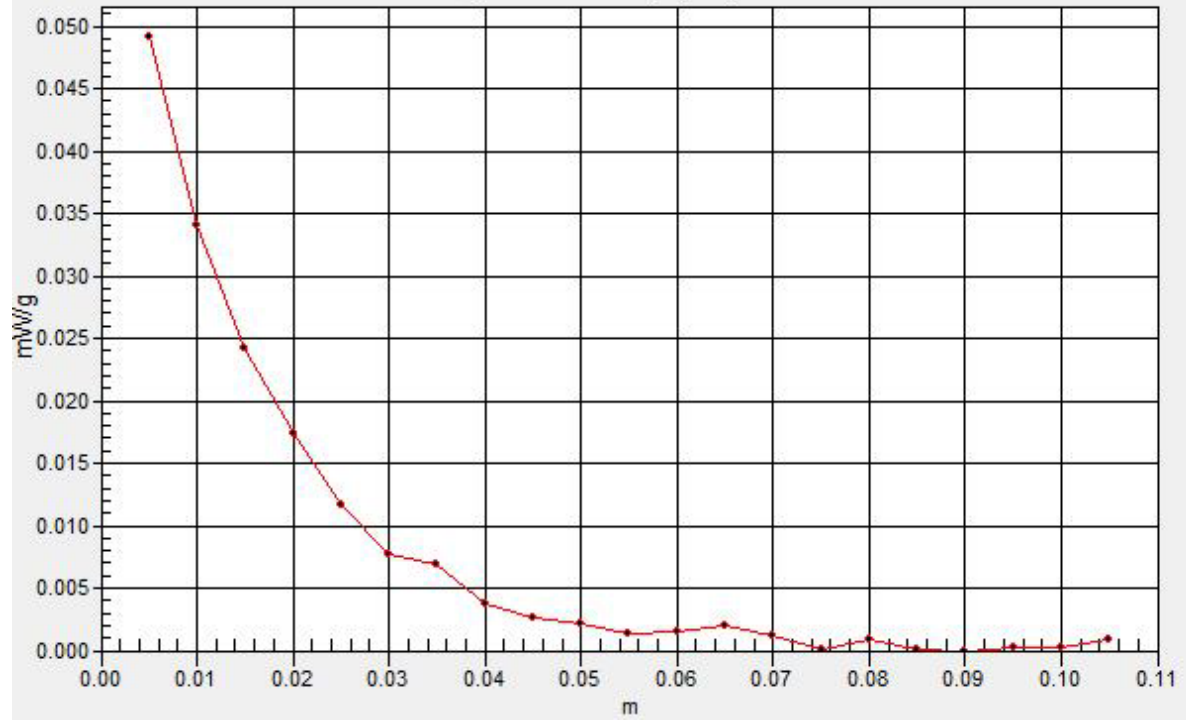
Measurement grid: dx=20mm, dy=20mm, dz=5mm

Maximum value of SAR (measured) = 0.049 mW/g



# SAR(x,y,z,f0)

SAR; Z Scan: Value Along Z, X=0, Y=0



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## 802.11b Bottom Flat IAC

**DUT: IAC; Type: IAC; Serial: N/A**

Communication System: IEEE 802.11b WLAN; Frequency: 2442 MHz; Duty Cycle: 1:1  
Medium parameters used:  $f = 2442$  MHz;  $\sigma = 1.96$  mho/m;  $\epsilon_r = 52.5$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

Air Temperature: 24.6 deg C; Liquid Temperature: 23.6 deg C

Area Scan Find Secondary Maximum Within 2dB and with a peak SAR value greater than 0.0012W/kg

### DASY4 Configuration:

- Probe: EX3DV4 - SN3554; ConvF(6.12, 6.12, 6.12);
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn558; Calibrated: 2010/7/14
- Phantom: Flat Phantom ELI4.0; Type: QDOVA001BA; Serial: SN: 1052
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

### Bottom Flat Middle CH7/Area Scan (8x11x1):

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

Maximum value of SAR (measured) = 1.33 mW/g

### Bottom Flat Middle CH7/Zoom Scan (7x7x9)/Cube 0:

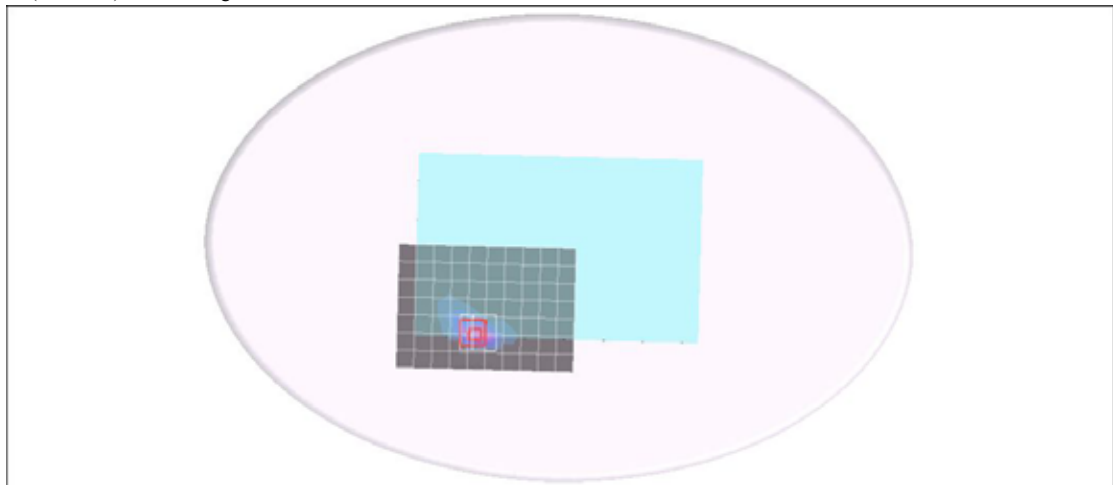
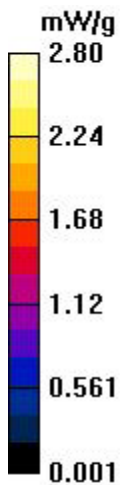
Measurement grid: dx=5mm, dy=5mm, dz=3mm

Reference Value = 1.12 V/m; Power Drift = -0.044 dB

Peak SAR (extrapolated) = 2.60 W/kg

SAR(1 g) = **0.864 mW/g**; SAR(10 g) = 0.347 mW/g

Maximum value of SAR (measured) = 1.37 mW/g



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## 802.11b Bottom Flat IAC

**DUT: IAC; Type: IAC; Serial: N/A**

Communication System: IEEE 802.11b WLAN; Frequency: 2462 MHz; Duty Cycle: 1:1  
Medium parameters used:  $f = 2462$  MHz;  $\sigma = 1.98$  mho/m;  $\epsilon_r = 52.4$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

Air Temperature: 24.6 deg C; Liquid Temperature: 23.6 deg C

Area Scan Find Secondary Maximum Within 2dB and with a peak SAR value greater than 0.0012W/kg

### DASY4 Configuration:

- Probe: EX3DV4 - SN3554; ConvF(6.12, 6.12, 6.12);
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn558; Calibrated: 2010/7/14
- Phantom: Flat Phantom ELI4.0; Type: QDOVA001BA; Serial: SN: 1052
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

### Bottom Flat High CH11/Area Scan (8x11x1):

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

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

### Bottom Flat High CH11/Zoom Scan (7x7x9)/Cube 0:

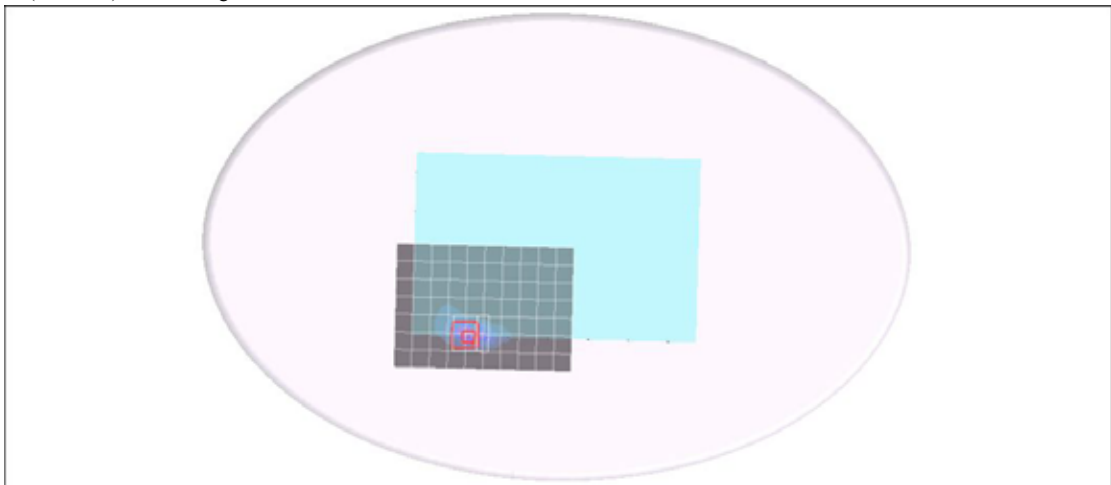
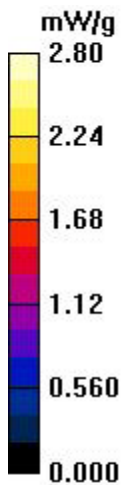
Measurement grid: dx=5mm, dy=5mm, dz=3mm

Reference Value = 0.292 V/m; Power Drift = -0.036 dB

Peak SAR (extrapolated) = 2.17 W/kg

SAR(1 g) = **0.717 mW/g**; SAR(10 g) = 0.276 mW/g

Maximum value of SAR (measured) = 1.18 mW/g



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## 802.11b Right edge IAC

**DUT: IAC; Type: IAC; Serial: N/A**

Communication System: IEEE 802.11b WLAN; Frequency: 2412 MHz; Duty Cycle: 1:1

Medium parameters used:  $f = 2412$  MHz;  $\sigma = 1.92$  mho/m;  $\epsilon_r = 52.6$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

Air Temperature: 24.6 deg C; Liquid Temperature: 23.6 deg C

Area Scan Find Secondary Maximum Within 2dB and with a peak SAR value greater than 0.0012W/kg

### DASY4 Configuration:

- Probe: EX3DV4 - SN3554; ConvF(6.12, 6.12, 6.12);
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn558; Calibrated: 2010/7/14
- Phantom: Flat Phantom ELI4.0; Type: QDOVA001BA; Serial: SN: 1052
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

### Right edge Low CH1/Area Scan (5x10x1):

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

Maximum value of SAR (measured) = 0.780 mW/g

### Right edge Low CH1/Zoom Scan (7x7x9)/Cube 0: M

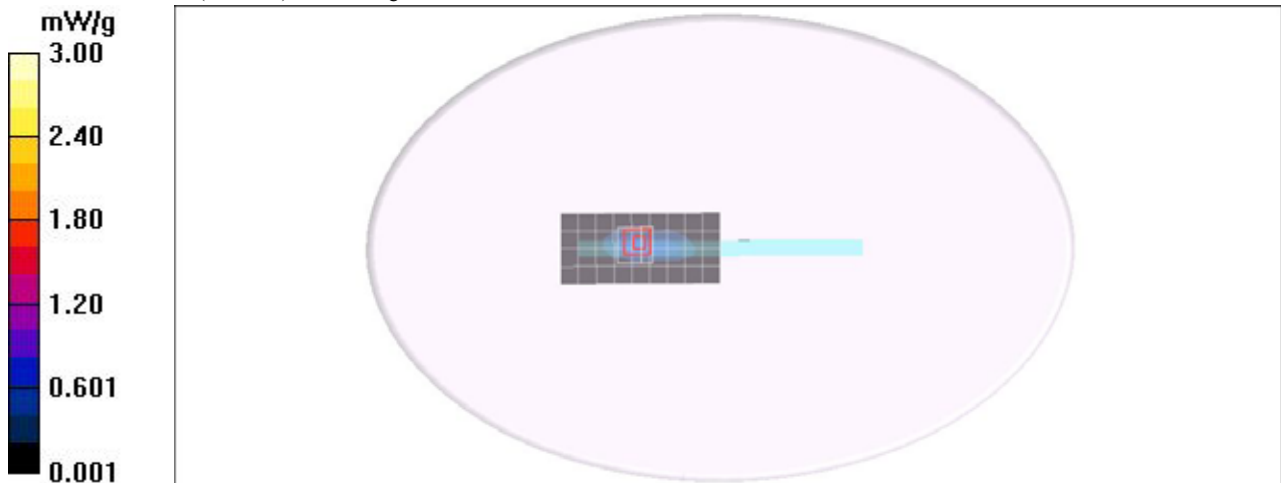
Measurement grid: dx=5mm, dy=5mm, dz=3mm

Reference Value = 6.53 V/m; Power Drift = -0.051 dB

Peak SAR (extrapolated) = 2.51 W/kg

SAR(1 g) = 0.807 mW/g; SAR(10 g) = 0.297 mW/g

Maximum value of SAR (measured) = 1.23 mW/g



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## 802.11b Right edge IAC

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Communication System: IEEE 802.11b WLAN; Frequency: 2442 MHz; Duty Cycle: 1:1  
Medium parameters used:  $f = 2442$  MHz;  $\sigma = 1.96$  mho/m;  $\epsilon_r = 52.5$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

Air Temperature: 24.6 deg C; Liquid Temperature: 23.6 deg C

Area Scan Find Secondary Maximum Within 2dB and with a peak SAR value greater than 0.0012W/kg

### DASY4 Configuration:

- Probe: EX3DV4 - SN3554; ConvF(6.12, 6.12, 6.12);
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn558; Calibrated: 2010/7/14
- Phantom: Flat Phantom ELI4.0; Type: QDOVA001BA; Serial: SN: 1052
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

### Right edge Middle CH7/Area Scan (5x10x1):

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

Maximum value of SAR (measured) = 0.820 mW/g

### Right edge Middle CH7/Zoom Scan (7x7x9)/Cube 0:

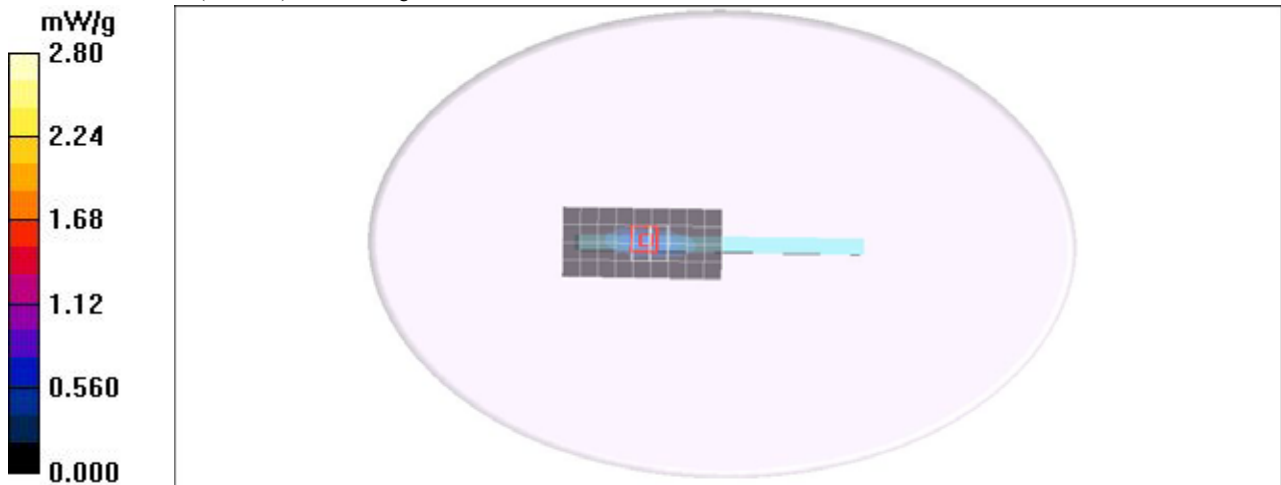
Measurement grid: dx=5mm, dy=5mm, dz=3mm

Reference Value = 6.75 V/m; Power Drift = -0.077 dB

Peak SAR (extrapolated) = 1.82 W/kg

SAR(1 g) = 0.572 mW/g; SAR(10 g) = 0.211 mW/g

Maximum value of SAR (measured) = 0.841 mW/g



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## 802.11b Right edge IAC

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

Medium parameters used:  $f = 2462$  MHz;  $\sigma = 1.98$  mho/m;  $\epsilon_r = 52.4$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

Air Temperature: 24.6 deg C; Liquid Temperature: 23.6 deg C

Area Scan Find Secondary Maximum Within 2dB and with a peak SAR value greater than 0.0012W/kg

DASY4 Configuration:

- Probe: EX3DV4 - SN3554; ConvF(6.12, 6.12, 6.12);
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn558; Calibrated: 2010/7/14
- Phantom: Flat Phantom ELI4.0; Type: QDOVA001BA; Serial: SN: 1052
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

### Right edge High CH11/Area Scan (5x10x1):

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

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

### Right edge High CH11/Zoom Scan (7x7x9)/Cube 0:

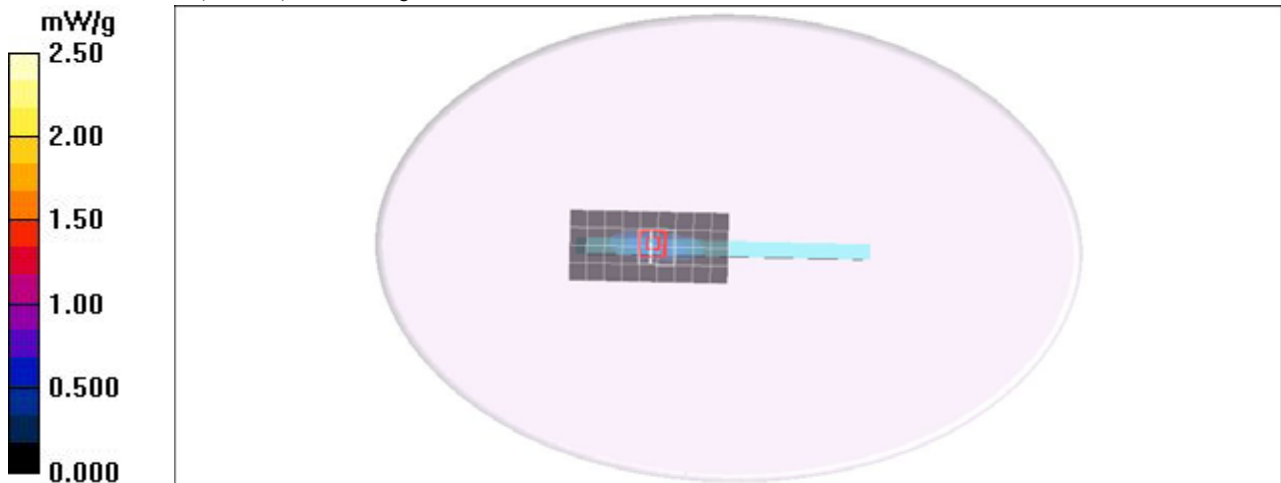
Measurement grid: dx=5mm, dy=5mm, dz=3mm

Reference Value = 4.84 V/m; Power Drift = -0.103 dB

Peak SAR (extrapolated) = 1.54 W/kg

SAR(1 g) = 0.501 mW/g; SAR(10 g) = 0.179 mW/g

Maximum value of SAR (measured) = 0.751 mW/g



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## 802.11b Top edge IAC

**DUT: IAC; Type: IAC; Serial: N/A**

Communication System: IEEE 802.11b WLAN; Frequency: 2412 MHz; Duty Cycle: 1:1

Medium parameters used:  $f = 2412$  MHz;  $\sigma = 1.92$  mho/m;  $\epsilon_r = 52.6$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

Air Temperature: 24.6 deg C; Liquid Temperature: 23.6 deg C

Area Scan Find Secondary Maximum Within 2dB and with a peak SAR value greater than 0.0012W/kg

DASY4 Configuration:

- Probe: EX3DV4 - SN3554; ConvF(6.12, 6.12, 6.12);
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn558; Calibrated: 2010/7/14
- Phantom: Flat Phantom ELI4.0; Type: QDOVA001BA; Serial: SN: 1052
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

### Top edge Low CH1/Area Scan (5x11x1):

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

Maximum value of SAR (measured) = 0.112 mW/g

### Top edge Low CH1/Zoom Scan (7x7x9)/Cube 0:

Measurement grid: dx=5mm, dy=5mm, dz=3mm

Reference Value = 5.37 V/m; Power Drift = -0.043 dB

Peak SAR (extrapolated) = 0.237 W/kg

SAR(1 g) = 0.052 mW/g; SAR(10 g) = 0.021 mW/g

Maximum value of SAR (measured) = 0.107 mW/g

