

Test Laboratory: Compliance Certification Services Inc.

## **D5GHz V2 SN 1004**

**DUT: Dipole 5GHz ; Type: D5GHz V2; Serial: 1004**

Communication System: CW5Hz; Frequency: 5200 MHz; Duty Cycle: 1:1

Medium parameters used:  $f = 5200$  MHz;  $\sigma = 5.32$  mho/m;  $\epsilon_r = 48.6$ ;  $\rho = 1000$  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(3.99, 3.99, 3.99);
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn558; Calibrated: 9/19/2008
- Phantom: Flat Phantom ELI4.0; Type: QDOVA001BA; Serial: SN: 1052
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

**Pin=250mW,d=10mm f=5200MHz/Area Scan (8x8x1):** Measurement

grid: dx=10mm, dy=10mm

Maximum value of SAR (measured) = 19.0 mW/g

**Pin=250mW,d=10mm f=5200MHz/Zoom Scan (8x8x10)/Cube 0:**

Measurement grid: dx=4mm, dy=4mm, dz=2.5mm

Reference Value = 80.9 V/m; Power Drift = -0.013 dB

Peak SAR (extrapolated) = 58.3 W/kg

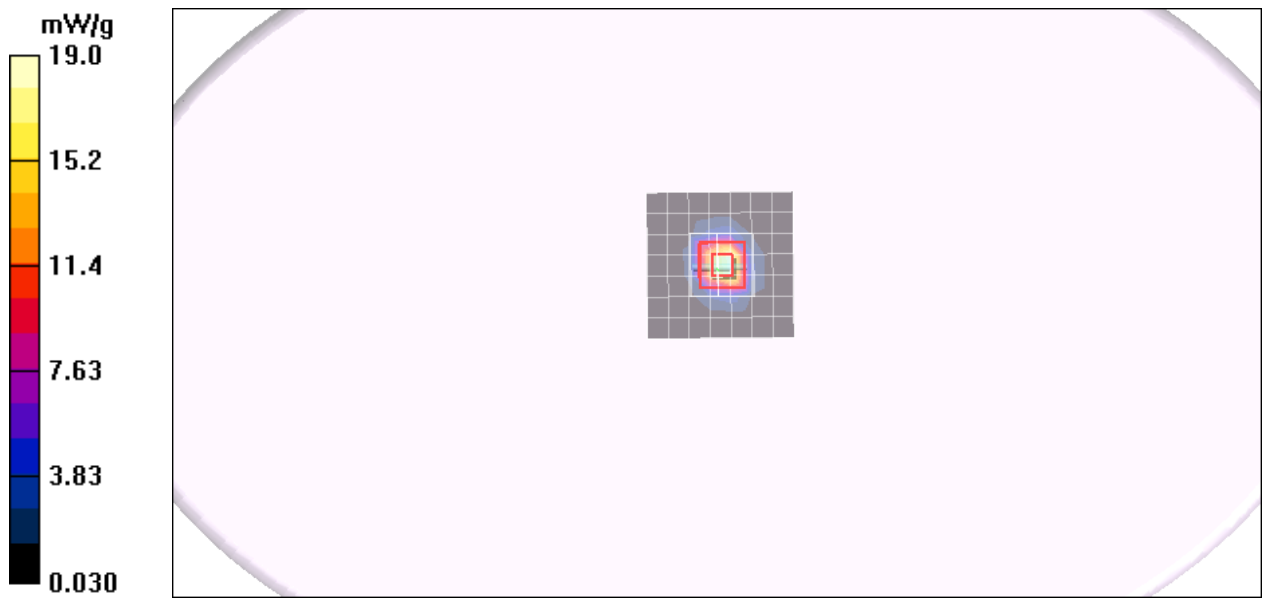
**SAR(1 g) = 19.2 mW/g; SAR(10 g) = 4.72 mW/g**

Maximum value of SAR (measured) = 28.7 mW/g

**Pin=250mW,d=10mm f=5200MHz/Z Scan (1x1x51):** Measurement grid:

dx=20mm, dy=20mm, dz=2mm

Maximum value of SAR (measured) = 33.0 mW/g



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## **D5GHz V2 SN 1004**

**DUT: Dipole 5GHz ; Type: D5GHz V2; Serial: 1004**

Communication System: CW5GHz; Frequency: 5800 MHz; Duty Cycle: 1:1

Medium parameters used:  $f = 5800$  MHz;  $\sigma = 6.18$  mho/m;  $\epsilon_r = 47.4$ ;  $\rho = 1000$  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(3.77, 3.77, 3.77);
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn558; Calibrated: 9/19/2008
- Phantom: Flat Phantom ELI4.0; Type: QDOVA001BA; Serial: SN: 1052
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

**Pin=250mW,d=10mm f=5800MHz/Area Scan (8x8x1):** Measurement

grid: dx=10mm, dy=10mm

Maximum value of SAR (measured) = 17.3 mW/g

**Pin=250mW,d=10mm f=5800MHz/Zoom Scan (8x8x10)/Cube 0:**

Measurement grid: dx=4mm, dy=4mm, dz=2.5mm

Reference Value = 68.8 V/m; Power Drift = -0.042 dB

Peak SAR (extrapolated) = 65.5 W/kg

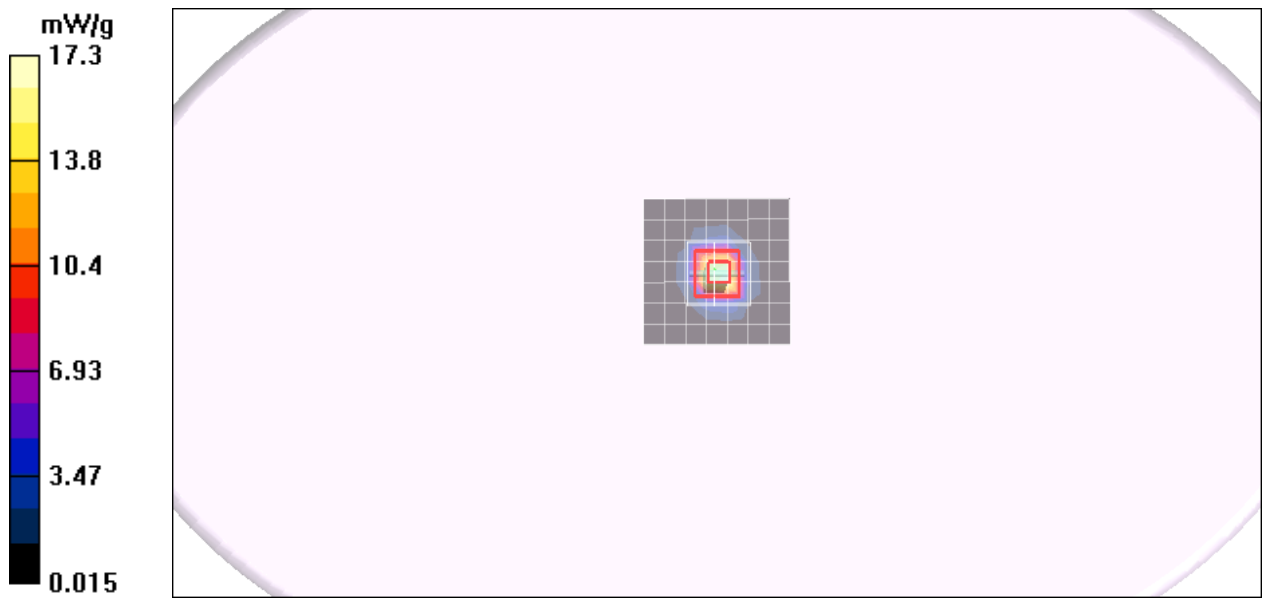
**SAR(1 g) = 17.2 mW/g; SAR(10 g) = 4.52 mW/g**

Maximum value of SAR (measured) = 26.8 mW/g

**Pin=250mW,d=10mm f=5800MHz/Z Scan (1x1x51):** Measurement grid:

dx=20mm, dy=20mm, dz=2mm

Maximum value of SAR (measured) = 30.6 mW/g



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## 80211a Tip Touch mode SDW3100

**DUT: SDW3100; Type: SDW3100; Serial: N/A**

Communication System: IEEE 802.11 A; Frequency: 5180 MHz; Duty Cycle: 1:1

Medium parameters used:  $f = 5180$  MHz;  $\sigma = 5.29$  mho/m;  $\epsilon_r = 48.7$ ;  $\rho = 1000$  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(3.99, 3.99, 3.99);
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn558; Calibrated: 9/19/2008
- Phantom: Flat Phantom ELI4.0; Type: QDOVA001BA; Serial: SN: 1052
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

**CH5180 Rate 6M/Area Scan (8x8x1):** Measurement grid: dx=10mm, dy=10mm

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

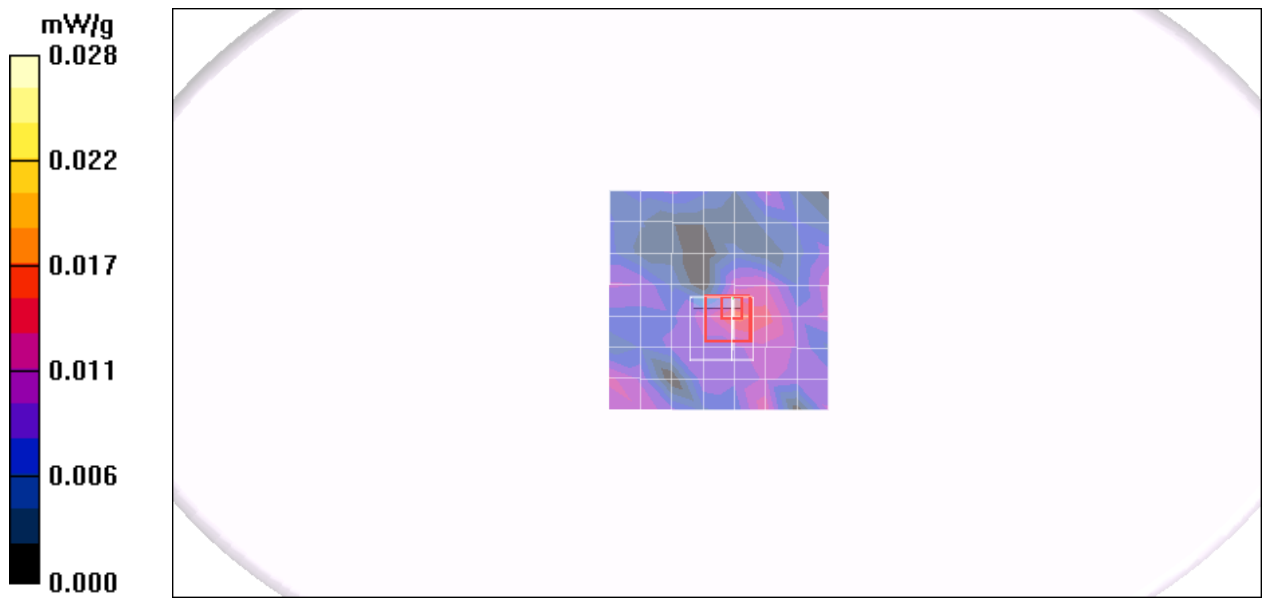
**CH5180 Rate 6M/Zoom Scan (7x7x9)/Cube 0:** Measurement grid: dx=4mm, dy=4mm, dz=2.5mm

Reference Value = 2.02 V/m; Power Drift = -0.127 dB

Peak SAR (extrapolated) = 0.100 W/kg

**SAR(1 g) = 0.021 mW/g; SAR(10 g) = 0.007 mW/g**

Maximum value of SAR (measured) = 0.058 mW/g



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## 80211a Tip Touch mode SDW3100

**DUT: SDW3100; Type: SDW3100; Serial: N/A**

Communication System: IEEE 802.11 A; Frequency: 5260 MHz; Duty Cycle: 1:1

Medium parameters used:  $f = 5260$  MHz;  $\sigma = 5.41$  mho/m;  $\epsilon_r = 48.5$ ;  $\rho = 1000$  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(3.72, 3.72, 3.72);
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn558; Calibrated: 9/19/2008
- Phantom: Flat Phantom ELI4.0; Type: QDOVA001BA; Serial: SN: 1052
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

**CH5260 Rate 6M/Area Scan (8x8x1):** Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (measured) = 0.019 mW/g

**CH5260 Rate 6M/Zoom Scan (7x7x9)/Cube 0:** Measurement grid:

dx=4mm, dy=4mm, dz=2.5mm

Reference Value = 3.15 V/m; Power Drift = -0.124 dB

Peak SAR (extrapolated) = 0.164 W/kg

**SAR(1 g) = 0.037 mW/g; SAR(10 g) = 0.00762 mW/g**

Maximum value of SAR (measured) = 0.084 mW/g

**CH5260 Rate 6M/Zoom Scan (7x7x9)/Cube 1:** Measurement grid:

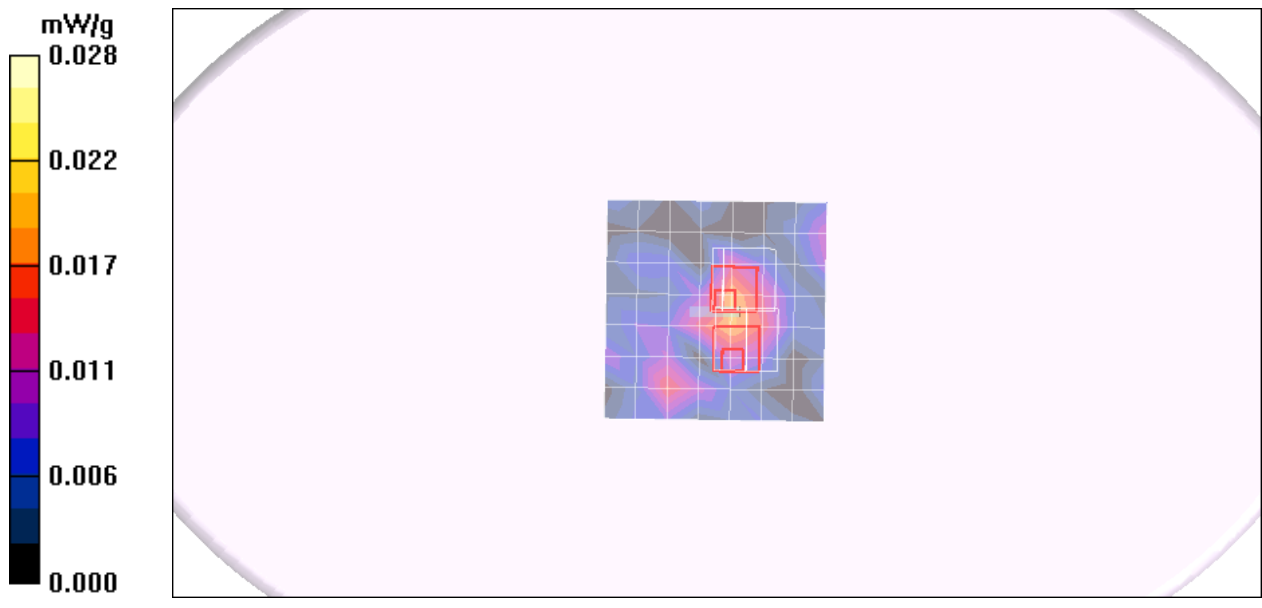
dx=4mm, dy=4mm, dz=2.5mm

Reference Value = 3.15 V/m; Power Drift = -0.124 dB

Peak SAR (extrapolated) = 0.036 W/kg

**SAR(1 g) = 0.00142 mW/g; SAR(10 g) = 0.000354 mW/g**

Maximum value of SAR (measured) = 0.017 mW/g





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## 80211a Tip Touch mode SDW3100

**DUT: SDW3100; Type: SDW3100; Serial: N/A**

Communication System: IEEE 802.11 A; Frequency: 5320 MHz; Duty Cycle: 1:1

Medium parameters used:  $f = 5320$  MHz;  $\sigma = 5.5$  mho/m;  $\epsilon_r = 48.4$ ;  $\rho = 1000$  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

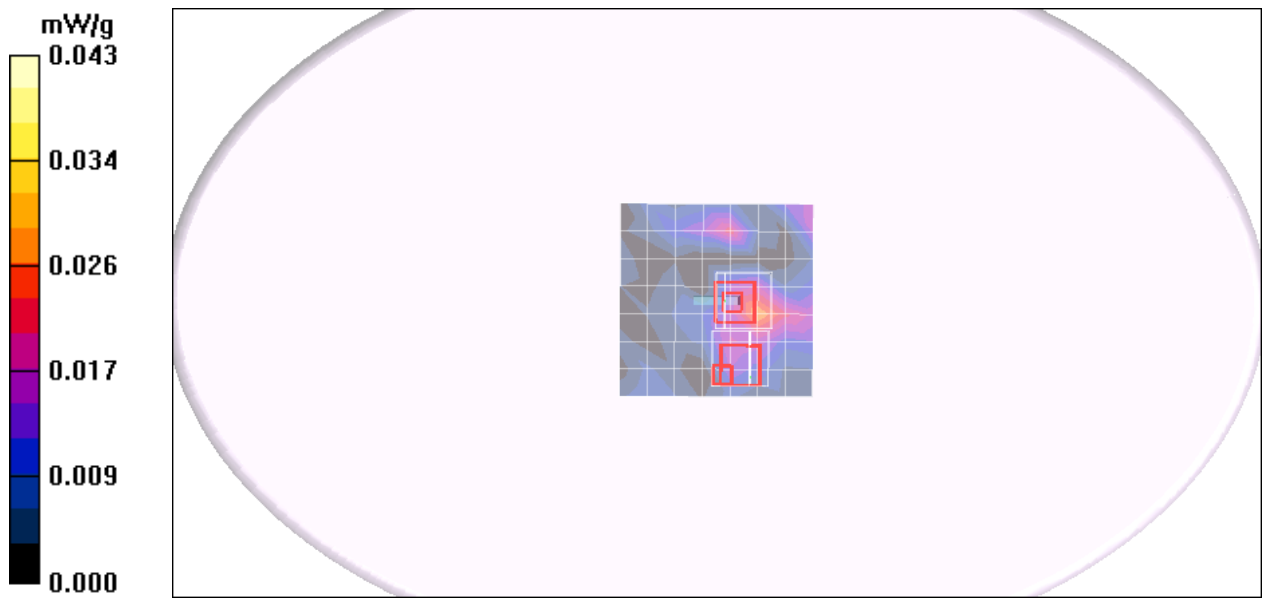
DASY4 Configuration:

- Probe: EX3DV4 - SN3554; ConvF(3.72, 3.72, 3.72);
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn558; Calibrated: 9/19/2008
- Phantom: Flat Phantom ELI4.0; Type: QDOVA001BA; Serial: SN: 1052
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

**CH5320 Rate 6M/Area Scan (8x8x1):** Measurement grid: dx=10mm, dy=10mm  
Maximum value of SAR (measured) = 0.029 mW/g

**CH5320 Rate 6M/Zoom Scan (7x7x9)/Cube 0:** Measurement grid: dx=4mm, dy=4mm, dz=2.5mm  
Reference Value = 2.11 V/m; Power Drift = -0.105 dB  
Peak SAR (extrapolated) = 0.095 W/kg  
**SAR(1 g) = 0.027 mW/g; SAR(10 g) = 0.00911 mW/g**  
Maximum value of SAR (measured) = 0.063 mW/g

**CH5320 Rate 6M/Zoom Scan (7x7x9)/Cube 1:** Measurement grid: dx=4mm, dy=4mm, dz=2.5mm  
Reference Value = 2.11 V/m; Power Drift = -0.105 dB  
Peak SAR (extrapolated) = 0.042 W/kg  
**SAR(1 g) = 0.000752 mW/g; SAR(10 g) = 0.000226 mW/g**  
Maximum value of SAR (measured) = 0.019 mW/g



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## 80211a Tip Touch mode SDW3100

**DUT: SDW3100; Type: SDW3100; Serial: N/A**

Communication System: IEEE 802.11 A; Frequency: 5745 MHz; Duty Cycle: 1:1

Medium parameters used (interpolated):  $f = 5745$  MHz;  $\sigma = 6.13$  mho/m;  $\epsilon_r = 47.5$ ;  $\rho = 1000$  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(3.77, 3.77, 3.77);
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn558; Calibrated: 9/19/2008
- Phantom: Flat Phantom ELI4.0; Type: QDOVA001BA; Serial: SN: 1052
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

### CH5745 Rate 6M/Area Scan (8x8x1):

Measurement grid: dx=10mm, dy=10mm

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

### CH5745 Rate 6M/Zoom Scan (7x7x9)/Cube 0:

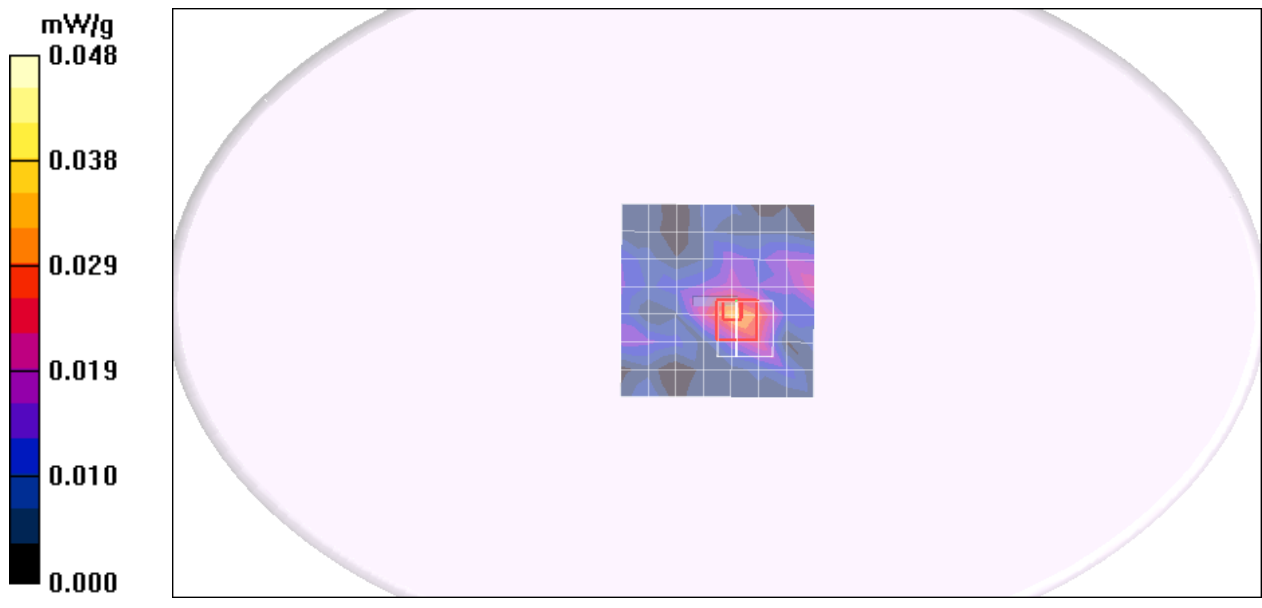
Measurement grid: dx=4mm, dy=4mm, dz=2.5mm

Reference Value = 1.96 V/m; Power Drift = -0.105 dB

Peak SAR (extrapolated) = 0.100 W/kg

**SAR(1 g) = 0.026 mW/g; SAR(10 g) = 0.00723 mW/g**

Maximum value of SAR (measured) = 0.058 mW/g



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## 80211a Tip Touch mode SDW3100

**DUT: SDW3100; Type: SDW3100; Serial: N/A**

Communication System: IEEE 802.11 A; Frequency: 5785 MHz; Duty Cycle: 1:1

Medium parameters used (interpolated):  $f = 5785$  MHz;  $\sigma = 6.17$  mho/m;  $\epsilon_r = 47.4$ ;  $\rho = 1000$  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(3.77, 3.77, 3.77);
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn558; Calibrated: 9/19/2008
- Phantom: Flat Phantom ELI4.0; Type: QDOVA001BA; Serial: SN: 1052
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

**CH5785 Rate 6M/Area Scan (8x8x1):** Measurement grid: dx=10mm,  
dy=10mm

Maximum value of SAR (measured) = 0.028 mW/g

**CH5785 Rate 6M/Zoom Scan (7x7x9)/Cube 0:** Measurement grid:

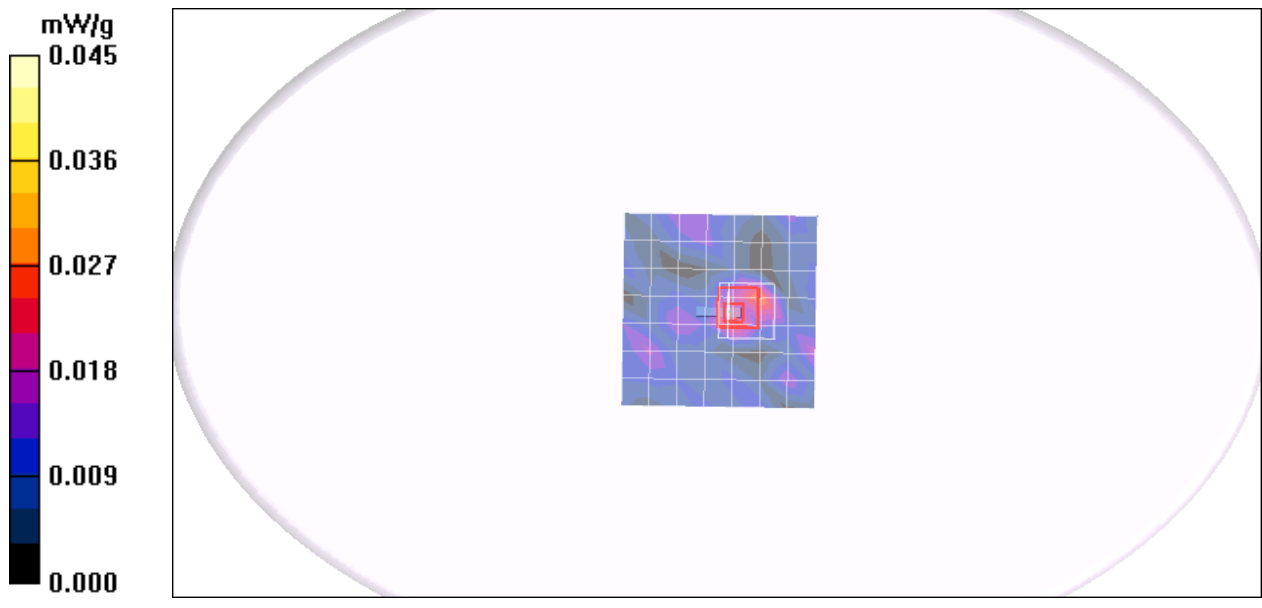
dx=4mm, dy=4mm, dz=2.5mm

Reference Value = 2.19 V/m; Power Drift = -0.133 dB

Peak SAR (extrapolated) = 0.089 W/kg

**SAR(1 g) = 0.031 mW/g; SAR(10 g) = 0.00864 mW/g**

Maximum value of SAR (measured) = 0.067 mW/g



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## 80211a Tip Touch mode SDW3100

**DUT: SDW3100; Type: SDW3100; Serial: N/A**

Communication System: IEEE 802.11 A; Frequency: 5825 MHz; Duty Cycle: 1:1

Medium parameters used (interpolated):  $f = 5825$  MHz;  $\sigma = 6.21$  mho/m;  $\epsilon_r = 47.4$ ;  $\rho = 1000$  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(3.77, 3.77, 3.77);
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn558; Calibrated: 9/19/2008
- Phantom: Flat Phantom ELI4.0; Type: QDOVA001BA; Serial: SN: 1052
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

**CH5825 Rate 6M/Area Scan (8x8x1):** Measurement grid: dx=10mm, dy=10mm

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

**CH5825 Rate 6M/Zoom Scan (7x7x9)/Cube 0:** Measurement grid: dx=4mm, dy=4mm, dz=2.5mm

Reference Value = 3.42 V/m; Power Drift = -0.084 dB

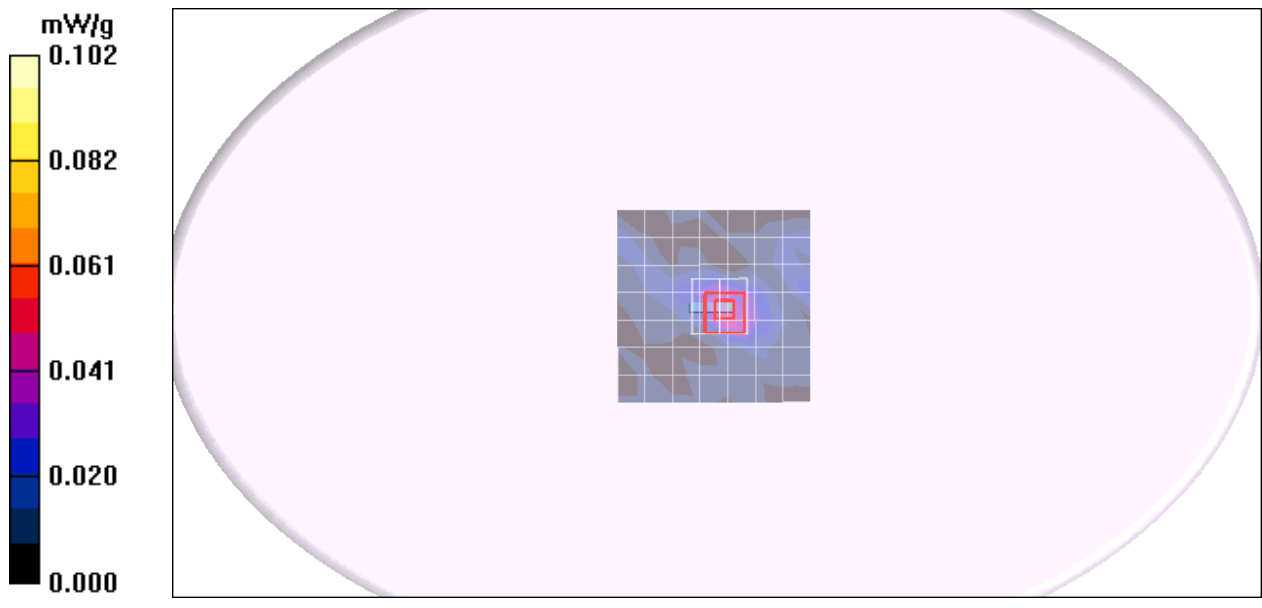
Peak SAR (extrapolated) = 0.181 W/kg

**SAR(1 g) = 0.055 mW/g; SAR(10 g) = 0.015 mW/g**

Maximum value of SAR (measured) = 0.102 mW/g

**CH5825 Rate 6M/Z Scan (1x1x11):** Measurement grid: dx=20mm, dy=20mm, dz=10mm

Maximum value of SAR (measured) = 0.071 mW/g





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## 80211a Bottom Flat mode SDW3100

**DUT: SDW3100; Type: SDW3100; Serial: N/A**

Communication System: IEEE 802.11 A; Frequency: 5180 MHz; Duty Cycle: 1:1

Medium parameters used:  $f = 5180$  MHz;  $\sigma = 5.29$  mho/m;  $\epsilon_r = 48.7$ ;  $\rho = 1000$  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

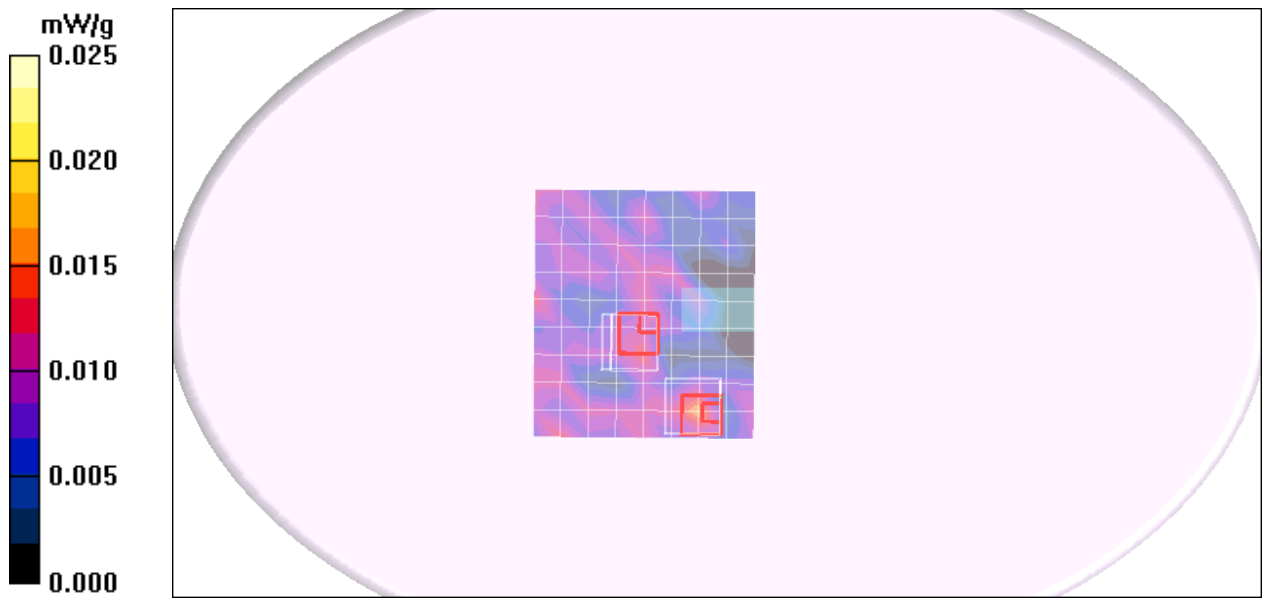
DASY4 Configuration:

- Probe: EX3DV4 - SN3554; ConvF(3.99, 3.99, 3.99);
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn558; Calibrated: 9/19/2008
- Phantom: Flat Phantom ELI4.0; Type: QDOVA001BA; Serial: SN: 1052
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

**CH5180 Rate 6M/Area Scan (10x9x1):** Measurement grid: dx=10mm, dy=10mm  
Maximum value of SAR (measured) = 0.017 mW/g

**CH5180 Rate 6M/Zoom Scan (7x7x9)/Cube 0:** Measurement grid: dx=4mm, dy=4mm, dz=2.5mm  
Reference Value = 6.32 V/m; Power Drift = -0.101 dB  
Peak SAR (extrapolated) = 0.042 W/kg  
**SAR(1 g) = 0.0023 mW/g; SAR(10 g) = 0.00116 mW/g**  
Maximum value of SAR (measured) = 0.020 mW/g

**CH5180 Rate 6M/Zoom Scan (7x7x9)/Cube 1:** Measurement grid: dx=4mm, dy=4mm, dz=2.5mm  
Reference Value = 6.32 V/m; Power Drift = -0.101 dB  
Peak SAR (extrapolated) = 0.044 W/kg  
**SAR(1 g) = 0.00282 mW/g; SAR(10 g) = 0.00146 mW/g**  
Maximum value of SAR (measured) = 0.019 mW/g



Test Laboratory: Compliance Certification Services Inc.

## 80211a Bottom Flat mode SDW3100

**DUT: SDW3100; Type: SDW3100; Serial: N/A**

Communication System: IEEE 802.11 A; Frequency: 5260 MHz; Duty Cycle: 1:1

Medium parameters used:  $f = 5260$  MHz;  $\sigma = 5.41$  mho/m;  $\epsilon_r = 48.5$ ;  $\rho = 1000$  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(3.72, 3.72, 3.72);
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn558; Calibrated: 9/19/2008
- Phantom: Flat Phantom ELI4.0; Type: QDOVA001BA; Serial: SN: 1052
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

**CH5260 Rate 6M/Area Scan (10x9x1):** Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (measured) = 0.050 mW/g

**CH5260 Rate 6M/Zoom Scan (7x7x9)/Cube 0:** Measurement grid:

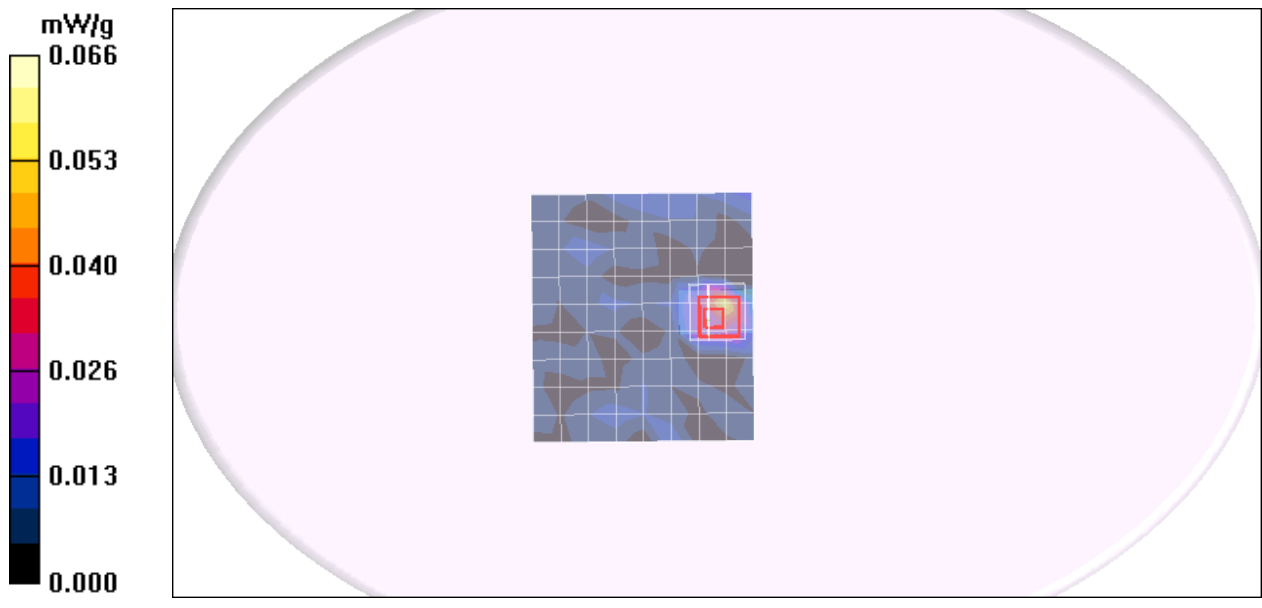
dx=4mm, dy=4mm, dz=2.5mm

Reference Value = 3.48 V/m; Power Drift = -0.136 dB

Peak SAR (extrapolated) = 0.256 W/kg

**SAR(1 g) = 0.037 mW/g; SAR(10 g) = 0.012 mW/g**

Maximum value of SAR (measured) = 0.066 mW/g



Test Laboratory: Compliance Certification Services Inc.

## 80211a Bottom Flat mode SDW3100

**DUT: SDW3100; Type: SDW3100; Serial: N/A**

Communication System: IEEE 802.11 A; Frequency: 5320 MHz; Duty Cycle: 1:1

Medium parameters used:  $f = 5320$  MHz;  $\sigma = 5.5$  mho/m;  $\epsilon_r = 48.4$ ;  $\rho = 1000$  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(3.72, 3.72, 3.72);
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn558; Calibrated: 9/19/2008
- Phantom: Flat Phantom ELI4.0; Type: QDOVA001BA; Serial: SN: 1052
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

**CH5320 Rate 6M/Area Scan (10x9x1):** Measurement grid: dx=10mm, dy=10mm  
Maximum value of SAR (measured) = 0.058 mW/g

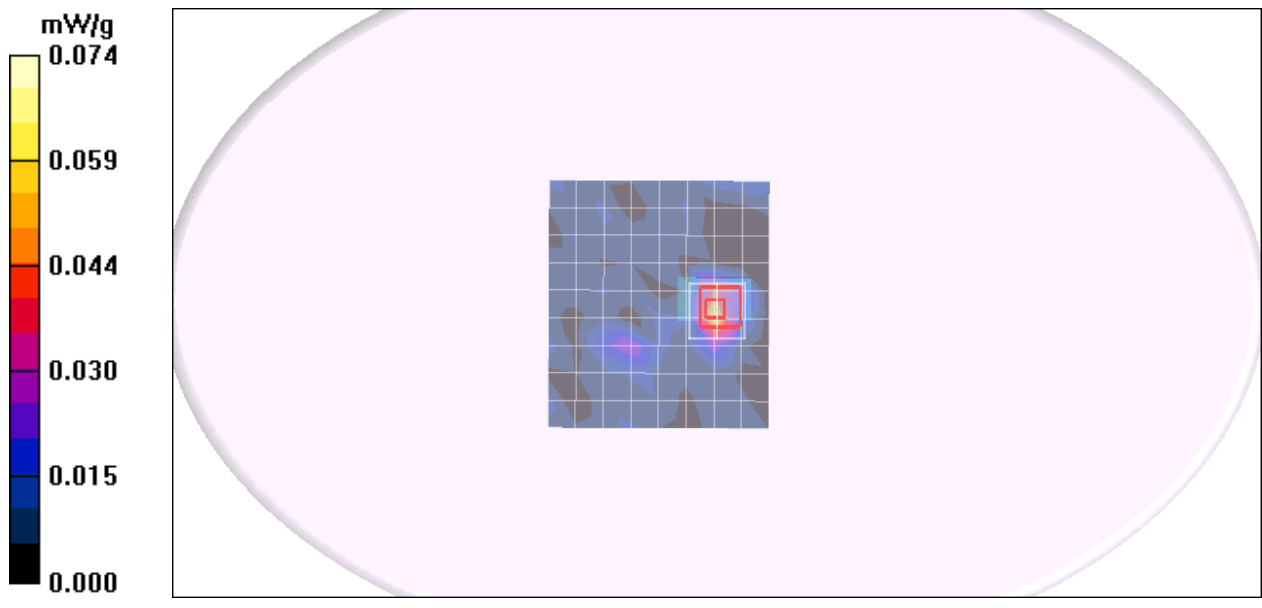
**CH5320 Rate 6M/Zoom Scan (7x7x9)/Cube 0:** Measurement grid: dx=4mm,  
dy=4mm, dz=2.5mm

Reference Value = 3.96 V/m; Power Drift = -0.121 dB

Peak SAR (extrapolated) = 0.148 W/kg

**SAR(1 g) = 0.039 mW/g; SAR(10 g) = 0.013 mW/g**

Maximum value of SAR (measured) = 0.074 mW/g



Test Laboratory: Compliance Certification Services Inc.

## 80211a Bottom Flat mode SDW3100

**DUT: SDW3100; Type: SDW3100; Serial: N/A**

Communication System: IEEE 802.11 A; Frequency: 5745 MHz; Duty Cycle: 1:1

Medium parameters used (interpolated):  $f = 5745$  MHz;  $\sigma = 6.13$  mho/m;  $\epsilon_r = 47.5$ ;  $\rho = 1000$  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(3.77, 3.77, 3.77);
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn558; Calibrated: 9/19/2008
- Phantom: Flat Phantom ELI4.0; Type: QDOVA001BA; Serial: SN: 1052
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

**CH5745 Rate 6M/Area Scan (10x9x1):** Measurement grid: dx=10mm, dy=10mm  
Maximum value of SAR (measured) = 0.033 mW/g

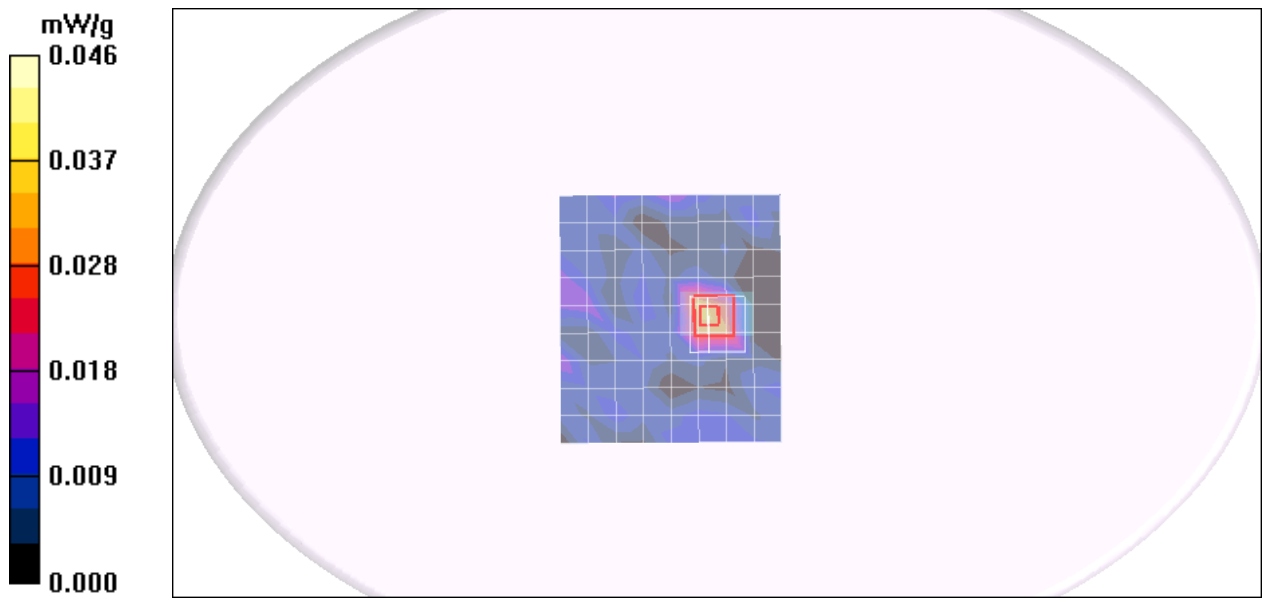
**CH5745 Rate 6M/Zoom Scan (7x7x9)/Cube 0:** Measurement grid: dx=4mm,  
dy=4mm, dz=2.5mm

Reference Value = 2.13 V/m; Power Drift = 0.141 dB

Peak SAR (extrapolated) = 0.099 W/kg

**SAR(1 g) = 0.031 mW/g; SAR(10 g) = 0.00874 mW/g**

Maximum value of SAR (measured) = 0.066 mW/g





Test Laboratory: Compliance Certification Services Inc.

## 80211a Bottom Flat mode SDW3100

**DUT: SDW3100; Type: SDW3100; Serial: N/A**

Communication System: IEEE 802.11 A; Frequency: 5785 MHz; Duty Cycle: 1:1

Medium parameters used (interpolated):  $f = 5785$  MHz;  $\sigma = 6.17$  mho/m;  $\epsilon_r = 47.4$ ;  $\rho = 1000$  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(3.77, 3.77, 3.77);
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn558; Calibrated: 9/19/2008
- Phantom: Flat Phantom ELI4.0; Type: QDOVA001BA; Serial: SN: 1052
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

**CH5785 Rate 6M/Area Scan (9x8x1):** Measurement grid: dx=10mm,  
dy=10mm

Maximum value of SAR (measured) = 0.069 mW/g

**CH5785 Rate 6M/Zoom Scan (7x7x9)/Cube 0:** Measurement grid:

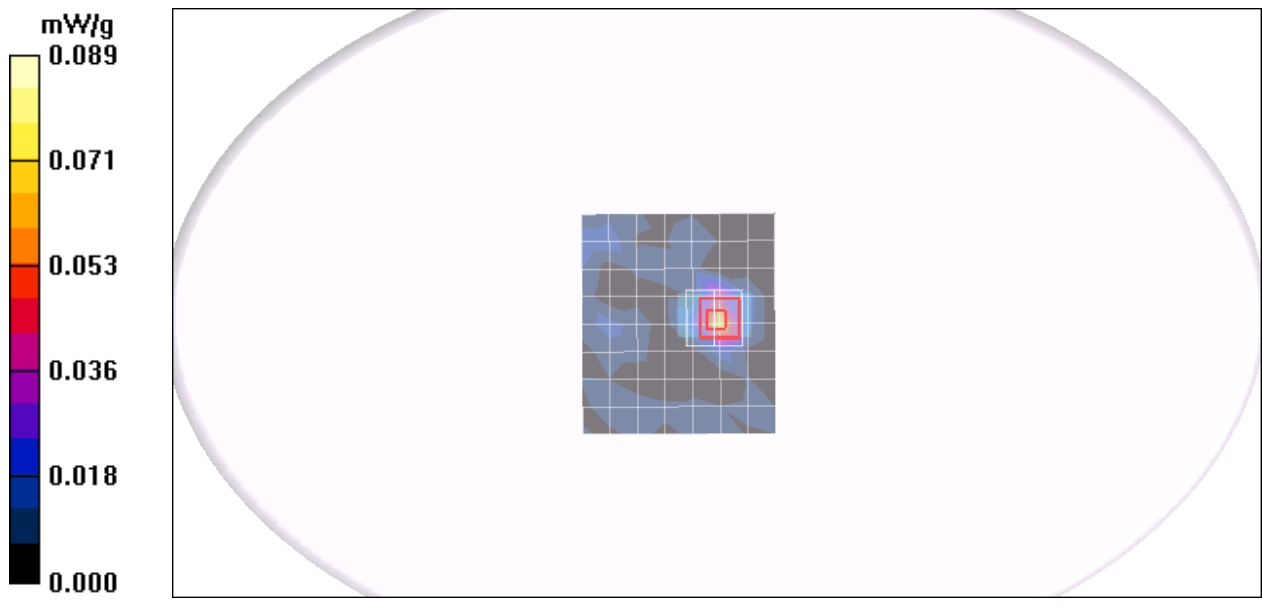
dx=4mm, dy=4mm, dz=2.5mm

Reference Value = 3.85 V/m; Power Drift = -0.128 dB

Peak SAR (extrapolated) = 0.147 W/kg

**SAR(1 g) = 0.040 mW/g; SAR(10 g) = 0.014 mW/g**

Maximum value of SAR (measured) = 0.074 mW/g



Test Laboratory: Compliance Certification Services Inc.

## 80211a Bottom Flat mode SDW3100

**DUT: SDW3100; Type: SDW3100; Serial: N/A**

Communication System: IEEE 802.11 A; Frequency: 5825 MHz; Duty Cycle: 1:1

Medium parameters used (interpolated):  $f = 5825$  MHz;  $\sigma = 6.21$  mho/m;  $\epsilon_r = 47.4$ ;  $\rho = 1000$  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(3.77, 3.77, 3.77);
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn558; Calibrated: 9/19/2008
- Phantom: Flat Phantom ELI4.0; Type: QDOVA001BA; Serial: SN: 1052
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

**CH5825 Rate 6M/Area Scan (9x8x1):** Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (measured) = 0.057 mW/g

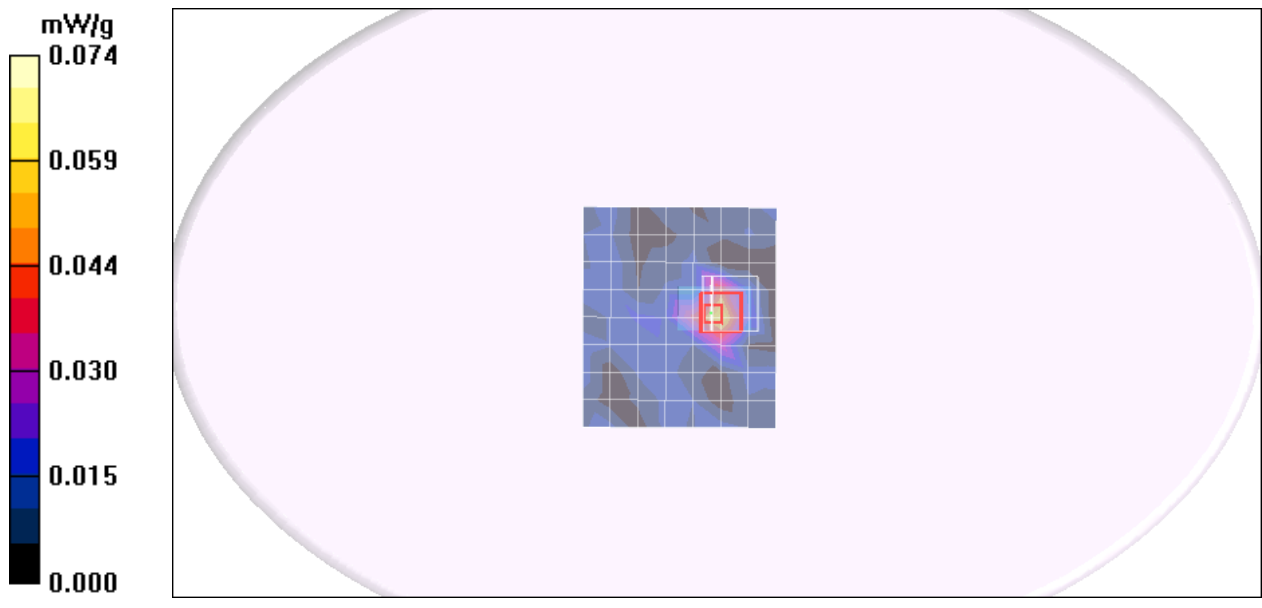
**CH5825 Rate 6M/Zoom Scan (7x7x9)/Cube 0:** Measurement grid: dx=4mm, dy=4mm, dz=2.5mm

Reference Value = 4.10 V/m; Power Drift = -0.085 dB

Peak SAR (extrapolated) = 0.171 W/kg

**SAR(1 g) = 0.044 mW/g; SAR(10 g) = 0.015 mW/g**

Maximum value of SAR (measured) = 0.089 mW/g



Test Laboratory: Compliance Certification Services Inc.

## 80211a LCD Up mode SDW3100

**DUT: SDW3100; Type: SDW3100; Serial: N/A**

Communication System: IEEE 802.11 A; Frequency: 5260 MHz; Duty Cycle: 1:1

Medium parameters used:  $f = 5260$  MHz;  $\sigma = 5.41$  mho/m;  $\epsilon_r = 48.5$ ;  $\rho = 1000$  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(3.72, 3.72, 3.72);
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn558; Calibrated: 9/19/2008
- Phantom: Flat Phantom ELI4.0; Type: QDOVA001BA; Serial: SN: 1052
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

**CH5260 Rate 6M/Area Scan (9x8x1):** Measurement grid: dx=10mm,  
dy=10mm

Maximum value of SAR (measured) = 0.025 mW/g

**CH5260 Rate 6M/Zoom Scan (7x7x9)/Cube 0:** Measurement grid:

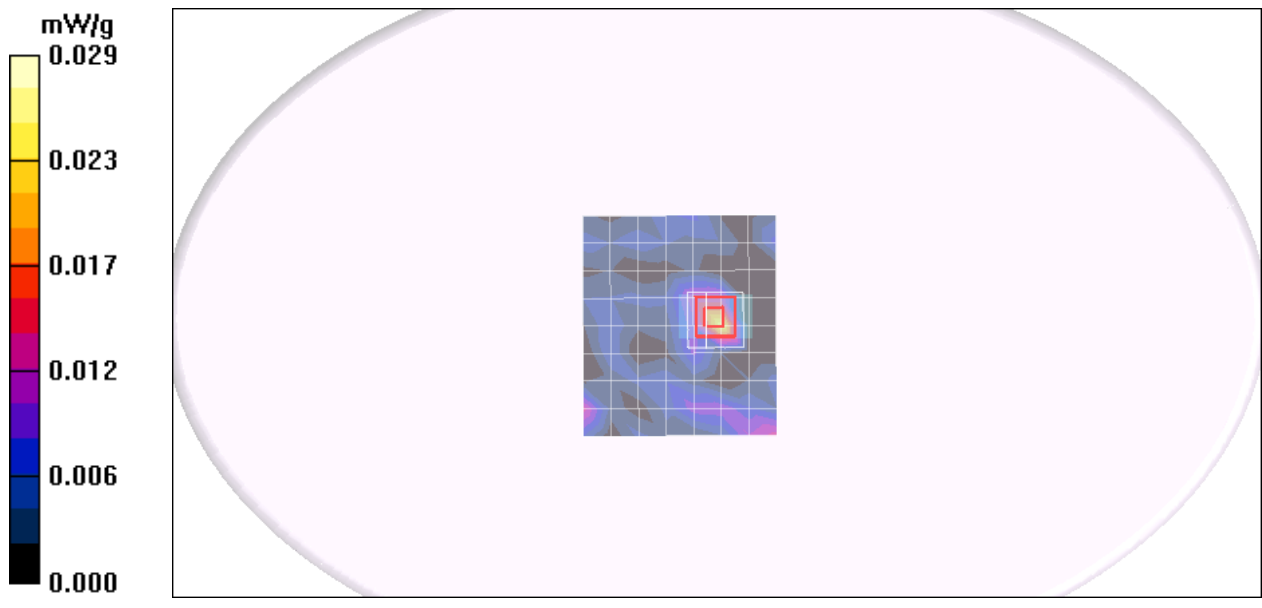
dx=4mm, dy=4mm, dz=2.5mm

Reference Value = 2.71 V/m; Power Drift = -0.108 dB

Peak SAR (extrapolated) = 0.147 W/kg

**SAR(1 g) = 0.016 mW/g; SAR(10 g) = 0.00328 mW/g**

Maximum value of SAR (measured) = 0.029 mW/g



Test Laboratory: Compliance Certification Services Inc.

## 80211a LCD Up mode SDW3100

**DUT: SDW3100; Type: SDW3100; Serial: N/A**

Communication System: IEEE 802.11 A; Frequency: 5180 MHz; Duty Cycle: 1:1

Medium parameters used:  $f = 5180$  MHz;  $\sigma = 5.29$  mho/m;  $\epsilon_r = 48.7$ ;  $\rho = 1000$  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(3.99, 3.99, 3.99);
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn558; Calibrated: 9/19/2008
- Phantom: Flat Phantom ELI4.0; Type: QDOVA001BA; Serial: SN: 1052
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

**UNII CH5180 Rate 6M/Area Scan (9x8x1):** Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (measured) = 0.019 mW/g

**UNII CH5180 Rate 6M/Zoom Scan (7x7x9)/Cube 0:** Measurement grid:

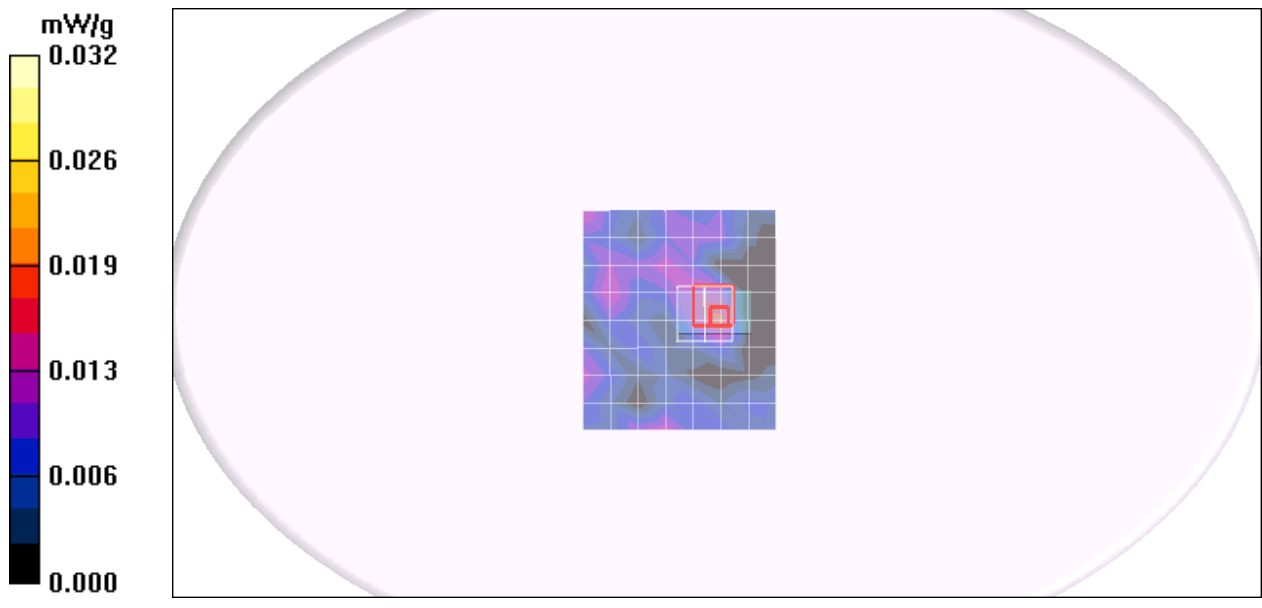
dx=4mm, dy=4mm, dz=2.5mm

Reference Value = 2.32 V/m; Power Drift = -0.110 dB

Peak SAR (extrapolated) = 0.102 W/kg

**SAR(1 g) = 0.013 mW/g; SAR(10 g) = 0.00275 mW/g**

Maximum value of SAR (measured) = 0.026 mW/g





Test Laboratory: Compliance Certification Services Inc.

## 80211a LCD Up mode SDW3100

**DUT: SDW3100; Type: SDW3100; Serial: N/A**

Communication System: IEEE 802.11 A; Frequency: 5320 MHz; Duty Cycle: 1:1

Medium parameters used:  $f = 5320$  MHz;  $\sigma = 5.5$  mho/m;  $\epsilon_r = 48.4$ ;  $\rho = 1000$  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(3.72, 3.72, 3.72);
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn558; Calibrated: 9/19/2008
- Phantom: Flat Phantom ELI4.0; Type: QDOVA001BA; Serial: SN: 1052
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

**CH5320 Rate 6M/Area Scan (9x8x1):** Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (measured) = 0.025 mW/g

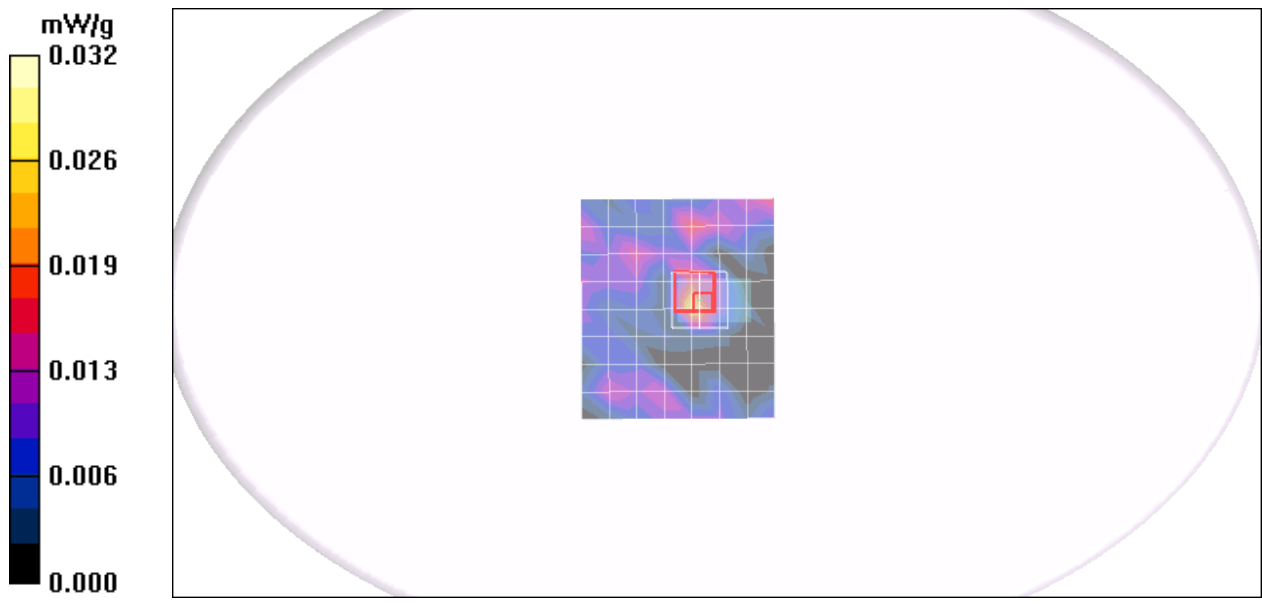
**CH5320 Rate 6M/Zoom Scan (7x7x9)/Cube 0:** Measurement grid: dx=4mm, dy=4mm, dz=2.5mm

Reference Value = 2.27 V/m; Power Drift = -0.126 dB

Peak SAR (extrapolated) = 0.157 W/kg

**SAR(1 g) = 0.015 mW/g; SAR(10 g) = 0.00377 mW/g**

Maximum value of SAR (measured) = 0.029 mW/g



Test Laboratory: Compliance Certification Services Inc.

## 80211a LCD Up mode SDW3100

**DUT: SDW3100; Type: SDW3100; Serial: N/A**

Communication System: IEEE 802.11 A; Frequency: 5745 MHz; Duty Cycle: 1:1

Medium parameters used (interpolated):  $f = 5745$  MHz;  $\sigma = 6.13$  mho/m;  $\epsilon_r = 47.5$ ;  $\rho = 1000$  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(3.77, 3.77, 3.77);
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn558; Calibrated: 9/19/2008
- Phantom: Flat Phantom ELI4.0; Type: QDOVA001BA; Serial: SN: 1052
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

### **CH5745 Rate 6M/Area Scan (9x8x1):** Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (measured) = 0.031 mW/g

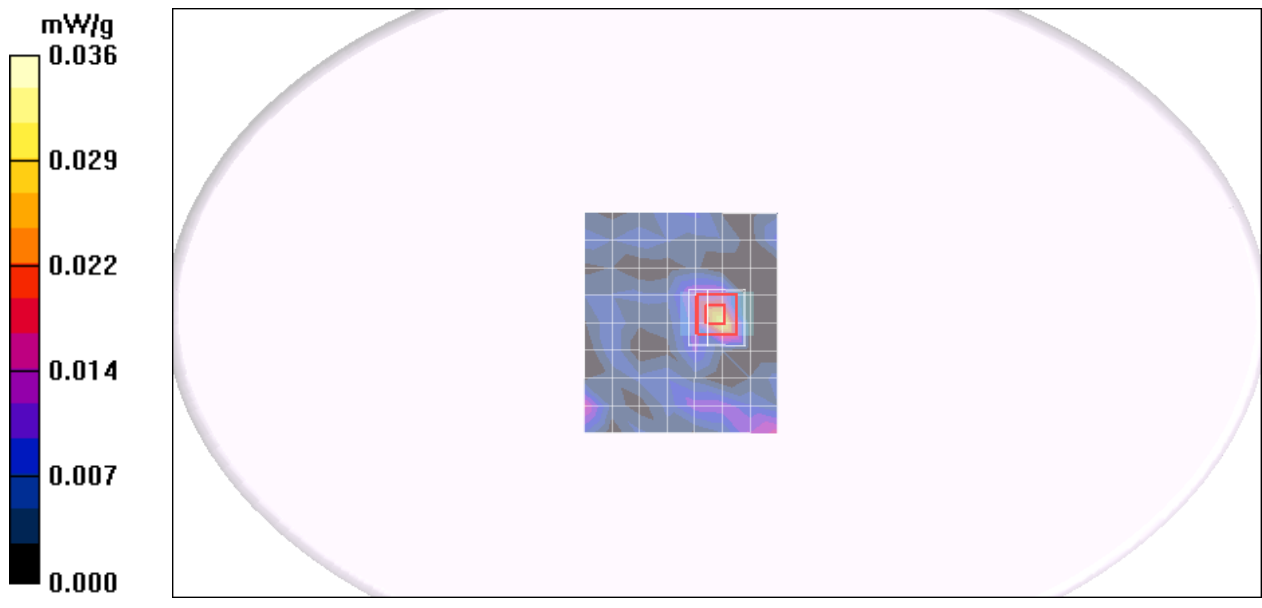
### **CH5745 Rate 6M/Zoom Scan (7x7x9)/Cube 0:** Measurement grid: dx=4mm, dy=4mm, dz=2.5mm

Reference Value = 2.37 V/m; Power Drift = -0.108 dB

Peak SAR (extrapolated) = 0.181 W/kg

**SAR(1 g) = 0.019 mW/g; SAR(10 g) = 0.0034 mW/g**

Maximum value of SAR (measured) = 0.033 mW/g



Test Laboratory: Compliance Certification Services Inc.

## 80211a LCD Up mode SDW3100

**DUT: SDW3100; Type: SDW3100; Serial: N/A**

Communication System: IEEE 802.11 A; Frequency: 5785 MHz; Duty Cycle: 1:1

Medium parameters used (interpolated):  $f = 5785$  MHz;  $\sigma = 6.17$  mho/m;  $\epsilon_r = 47.4$ ;  $\rho = 1000$  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(3.77, 3.77, 3.77);
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn558; Calibrated: 9/19/2008
- Phantom: Flat Phantom ELI4.0; Type: QDOVA001BA; Serial: SN: 1052
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

**CH5785 Rate 6M/Area Scan (9x8x1):** Measurement grid: dx=10mm,  
dy=10mm

Maximum value of SAR (measured) = 0.022 mW/g

**CH5785 Rate 6M/Zoom Scan (7x7x9)/Cube 0:** Measurement grid:

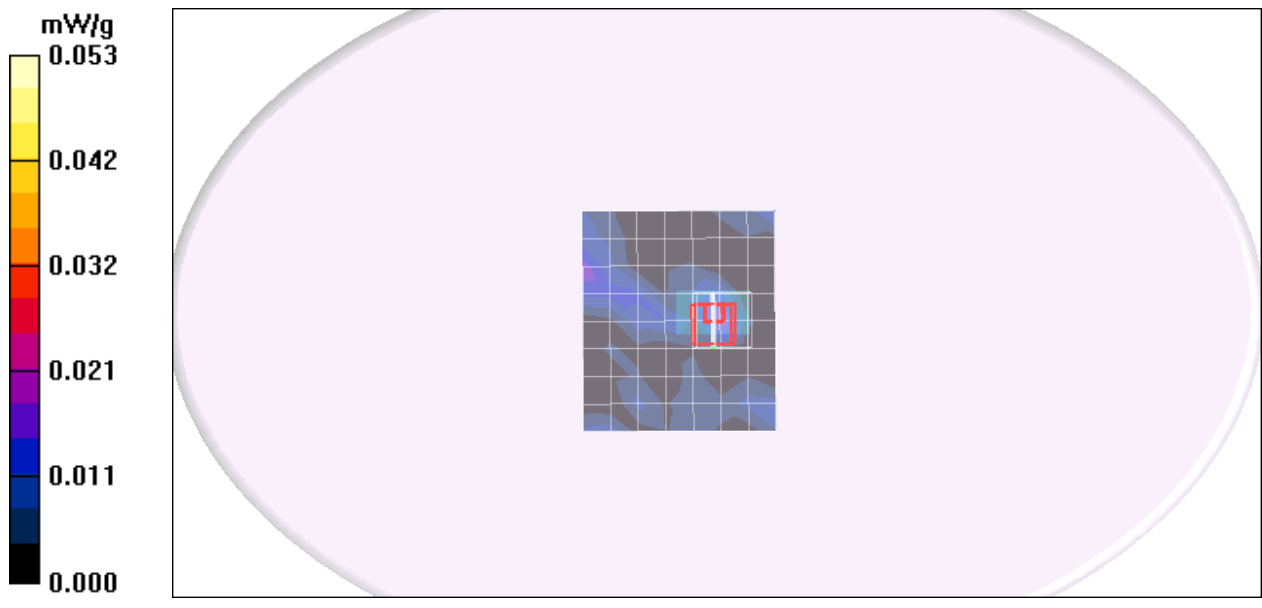
dx=4mm, dy=4mm, dz=2.5mm

Reference Value = 2.77 V/m; Power Drift = -0.125 dB

Peak SAR (extrapolated) = 0.201 W/kg

**SAR(1 g) = 0.020 mW/g; SAR(10 g) = 0.00385 mW/g**

Maximum value of SAR (measured) = 0.036 mW/g



Test Laboratory: Compliance Certification Services Inc.

## 80211a LCD Up mode SDW3100

**DUT: SDW3100; Type: SDW3100; Serial: N/A**

Communication System: IEEE 802.11 A; Frequency: 5825 MHz; Duty Cycle: 1:1

Medium parameters used (interpolated):  $f = 5825$  MHz;  $\sigma = 6.21$  mho/m;  $\epsilon_r = 47.4$ ;  $\rho = 1000$  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(3.77, 3.77, 3.77);
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn558; Calibrated: 9/19/2008
- Phantom: Flat Phantom ELI4.0; Type: QDOVA001BA; Serial: SN: 1052
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

### **CH5825 Rate 6M/Area Scan (9x8x1):** Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (measured) = 0.028 mW/g

### **CH5825 Rate 6M/Zoom Scan (7x7x9)/Cube 0:** Measurement grid: dx=4mm, dy=4mm, dz=2.5mm

Reference Value = 4.26 V/m; Power Drift = -0.132 dB

Peak SAR (extrapolated) = 0.207 W/kg

**SAR(1 g) = 0.023 mW/g; SAR(10 g) = 0.00437 mW/g**

Maximum value of SAR (measured) = 0.034 mW/g

