

Test Laboratory: Compliance Certification Services

## C1\_802.11a - Antenna A

**DUT: Ambit Microsystems Corp; Type: J07H069.01; Serial: N/A**

**Program Name: Configuration 1 - 802.11a\_Antenna A**

**Ambient Temperature: 25.0 deg C; Liquid Temperature: 23.5 deg C**

Communication System: 802.11a; Frequency: 5260 MHz; Duty Cycle: 1:1

Medium: M5200MHz ( $\sigma = 5.4839$  mho/m,  $\epsilon_r = 48.9569$ ,  $\rho = 1000$  kg/m<sup>3</sup>)

Phantom section: Flat Section

DASY4 Configuration:

- Probe: ES3DV2 - SN3021; ConvF(1.4, 1.4, 1.4); Calibrated: 7/29/2003
- Sensor-Surface: 3.1mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn427; Calibrated: 2/4/2003
- Phantom: SAM 2; Type: SAM 2; Serial: 1050
- Measurement SW: DASY4, V4.1 Build 47; Postprocessing SW: SEMCAD, V1.8 Build 62

**Middle/Area Scan (9x12x1):** Measurement grid: dx=10mm, dy=10mm

Reference Value = 2.71 V/m

Power Drift = -0.17 dB

Maximum value of SAR = 0.575 mW/g

**Middle/Zoom Scan (7x7x8)/Cube 0:** Measurement grid: dx=4.3mm, dy=4.3mm, dz=3mm

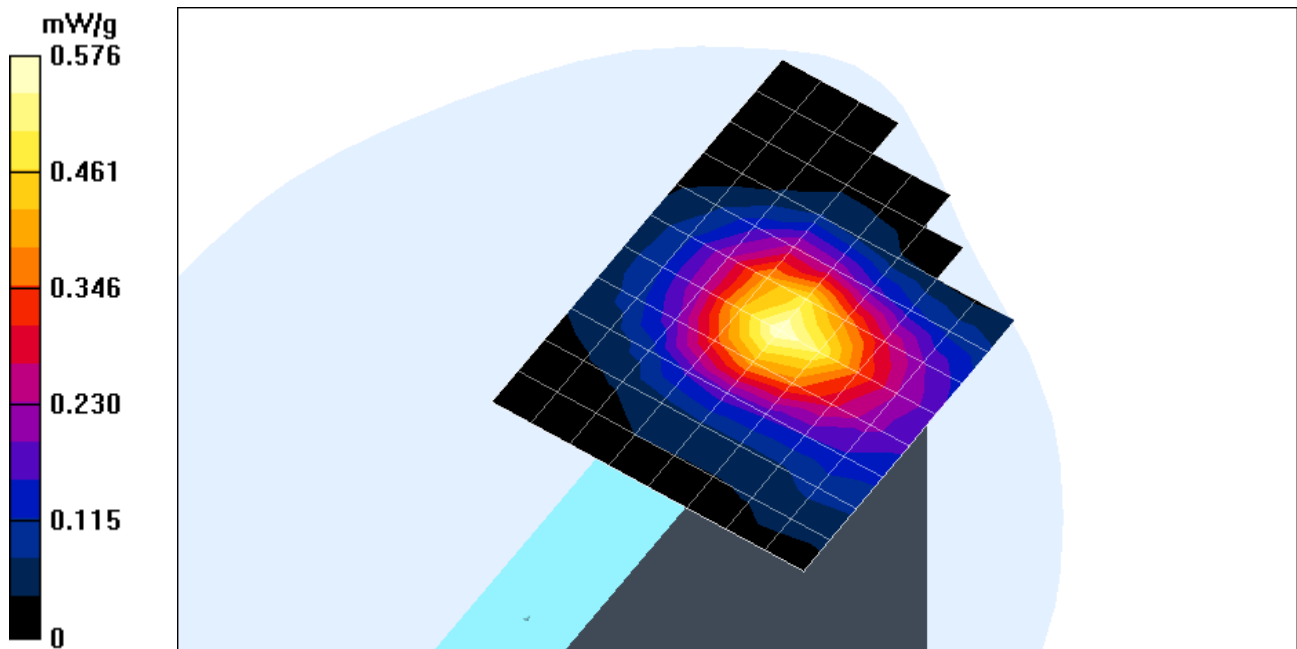
Peak SAR (extrapolated) = 1.26 W/kg

SAR(1 g) = 0.434 mW/g; SAR(10 g) = 0.184 mW/g

Reference Value = 2.71 V/m

Power Drift = -0.17 dB

Maximum value of SAR = 0.576 mW/g



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## C1\_802.11a - Antenna A

**DUT: Ambit Microsystems Corp; Type: J07H069.01; Serial: N/A**

DASY4 Configuration:

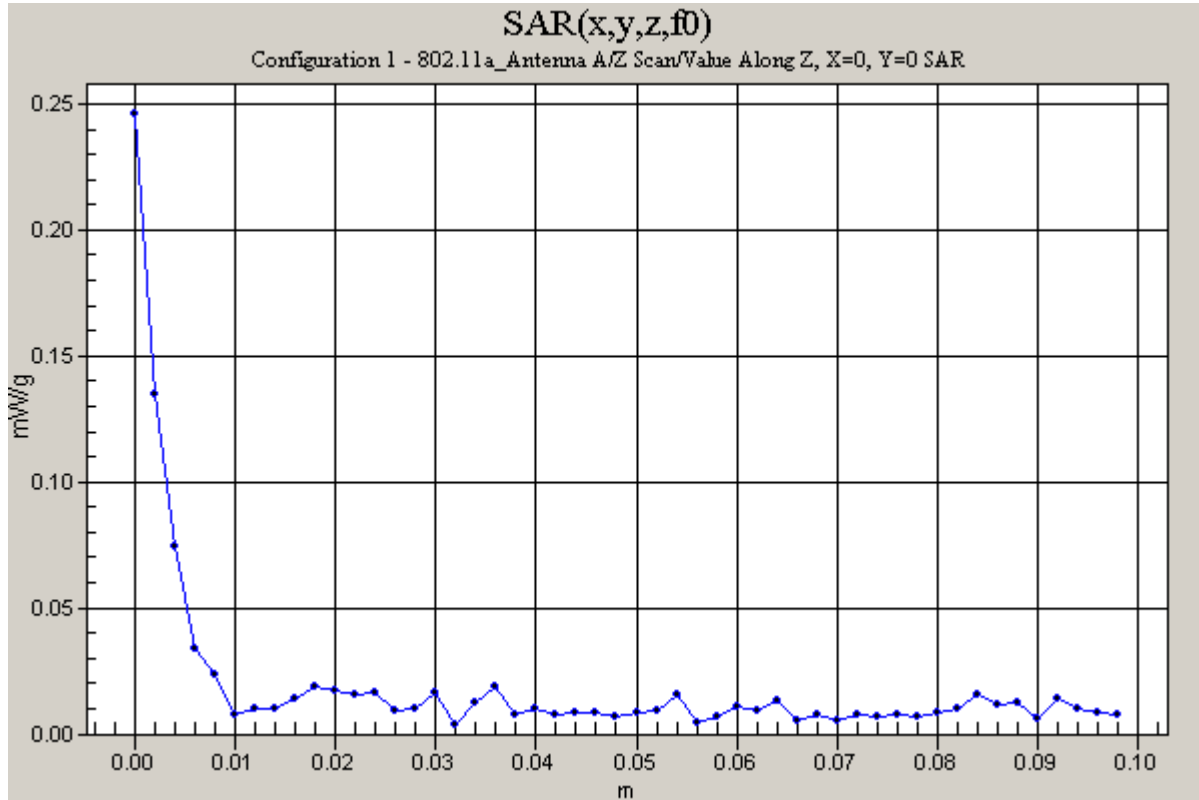
- Probe: ES3DV2 - SN3021; ConvF(1.4, 1.4, 1.4); Calibrated: 7/29/2003
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE3 Sn427; Calibrated: 2/4/2003
- Phantom: SAM 2; Type: SAM 2; Serial: 1050
- Measurement SW: DASY4, V4.1 Build 47; Postprocessing SW: SEMCAD, V1.8 Build 62

**Middle/Z Scan (1x1x51):** Measurement grid: dx=20mm, dy=20mm, dz=2mm

Reference Value = 2.71 V/m

Power Drift = -0.1 dB

Maximum value of SAR = 0.246 mW/g



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## C1\_802.11a - Antenna A

**DUT: Ambit Microsystems Corp; Type: J07H069.01; Serial: N/A**

**Program Name: Configuration 1 - 802.11a\_Antenna A**

**Ambient Temperature: 25.0 deg C; Liquid Temperature: 23.5 deg C**

Communication System: 802.11a; Frequency: 5260 MHz; Duty Cycle: 1:1

Medium: M5200MHz ( $\sigma = 5.4839$  mho/m,  $\epsilon_r = 48.9569$ ,  $\rho = 1000$  kg/m<sup>3</sup>)

Phantom section: Flat Section

DASY4 Configuration:

- Probe: ES3DV2 - SN3021; ConvF(1.4, 1.4, 1.4); Calibrated: 7/29/2003
- Sensor-Surface: 3.1mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn427; Calibrated: 2/4/2003
- Phantom: SAM 2; Type: SAM 2; Serial: 1050
- Measurement SW: DASY4, V4.1 Build 47; Postprocessing SW: SEMCAD, V1.8 Build 62

**Co-location/Area Scan (9x12x1):** Measurement grid: dx=10mm, dy=10mm

Reference Value = 2.82 V/m

Power Drift = -0.1 dB

Maximum value of SAR = 0.581 mW/g

**Co-location/Zoom Scan (7x7x8)/Cube 0:** Measurement grid: dx=4.3mm, dy=4.3mm, dz=3mm

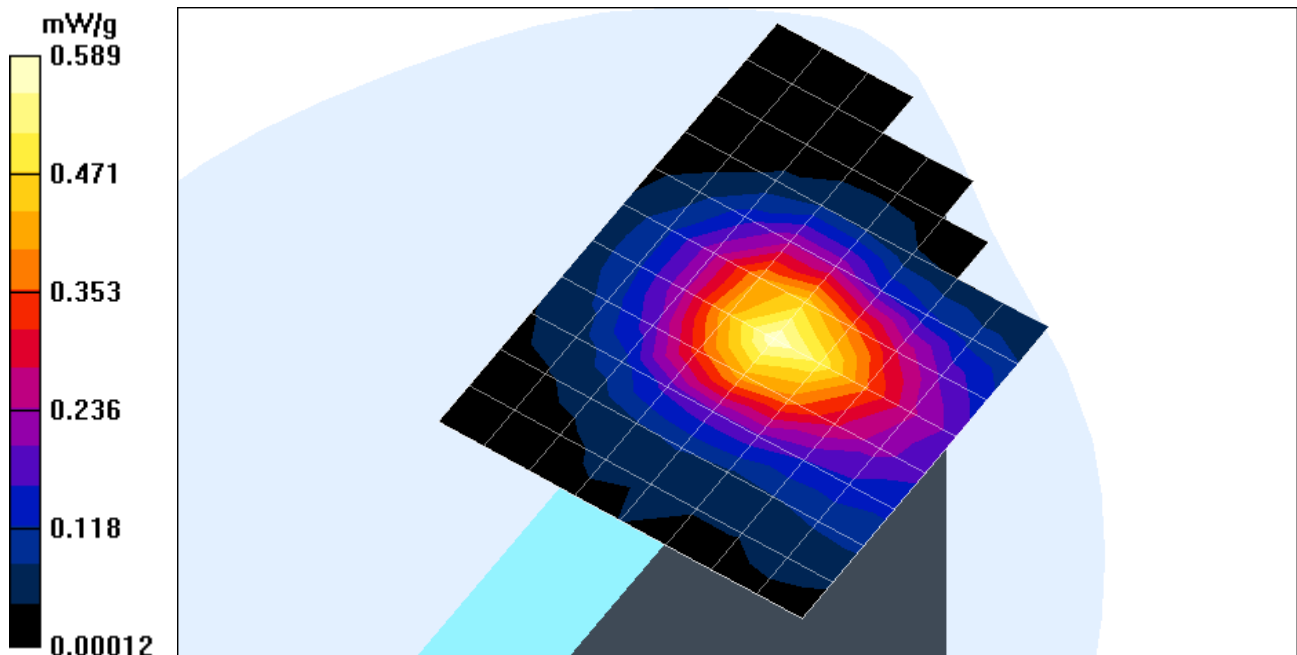
Peak SAR (extrapolated) = 1.24 W/kg

SAR(1 g) = 0.436 mW/g; SAR(10 g) = 0.187 mW/g

Reference Value = 2.82 V/m

Power Drift = -0.1 dB

Maximum value of SAR = 0.589 mW/g



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## C1\_802.11a - Antenna A

**DUT: Ambit Microsystems Corp; Type: J07H069.01; Serial: N/A**

DASY4 Configuration:

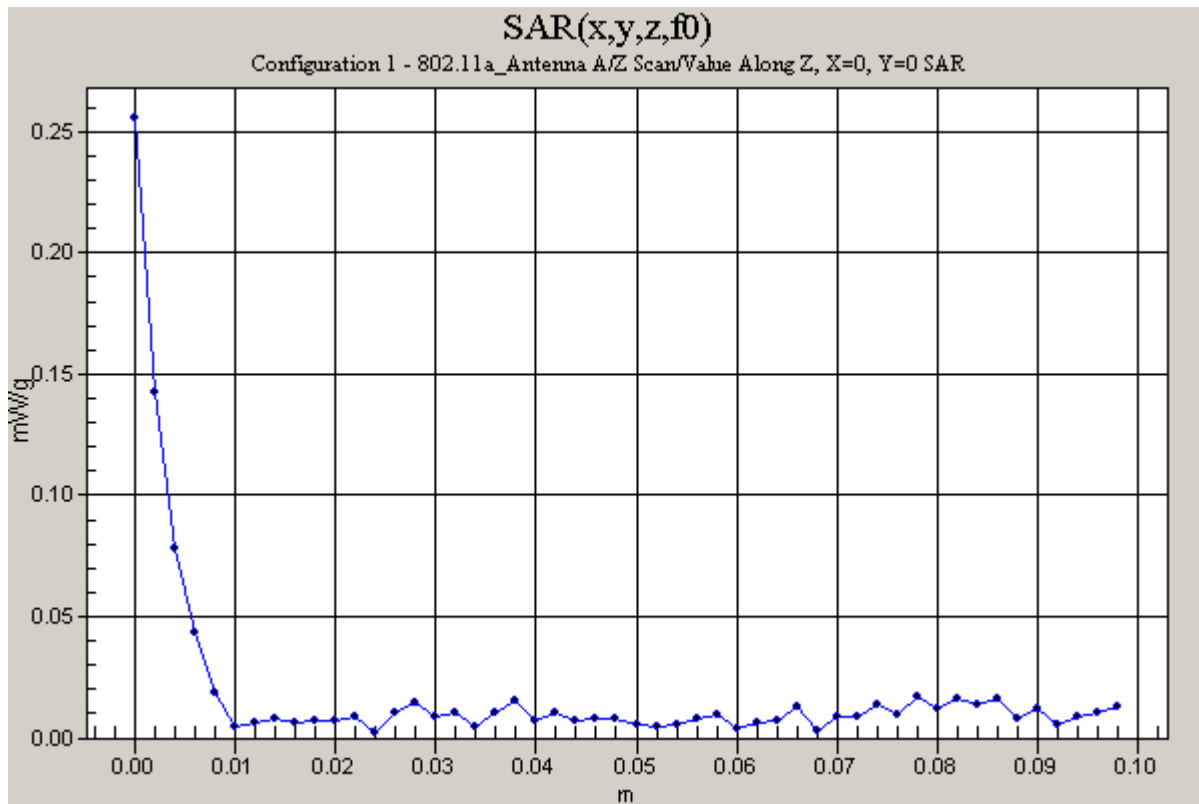
- Probe: ES3DV2 - SN3021; ConvF(1.4, 1.4, 1.4); Calibrated: 7/29/2003
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE3 Sn427; Calibrated: 2/4/2003
- Phantom: SAM 2; Type: SAM 2; Serial: 1050
- Measurement SW: DASY4, V4.1 Build 47; Postprocessing SW: SEMCAD, V1.8 Build 62

**Co-location/Z Scan (1x1x51):** Measurement grid: dx=20mm, dy=20mm, dz=2mm

Reference Value = 2.82 V/m

Power Drift = 0.1 dB

Maximum value of SAR = 0.256 mW/g



Test Laboratory: Compliance Certification Services

## C1\_802.11a - Antenna A

**DUT: Ambit Microsystems Corp; Type: J07H069.01; Serial: N/A**

**Program Name: Configuration 1 - 802.11a\_Antenna A**

**Ambient Temperature: 25.0 deg C; Liquid Temperature: 23.5 deg C**

Communication System: 802.11a; Frequency: 5250 MHz; Duty Cycle: 1:1

Medium: M5200MHz ( $\sigma = 5.4839$  mho/m,  $\epsilon_r = 48.9569$ ,  $\rho = 1000$  kg/m<sup>3</sup>)

Phantom section: Flat Section

DASY4 Configuration:

- Probe: ES3DV2 - SN3021; ConvF(1.4, 1.4, 1.4); Calibrated: 7/29/2003
- Sensor-Surface: 3.1mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn427; Calibrated: 2/4/2003
- Phantom: SAM 2; Type: SAM 2; Serial: 1050
- Measurement SW: DASY4, V4.1 Build 47; Postprocessing SW: SEMCAD, V1.8 Build 62

**Middle-Turbo mode/Area Scan (9x12x1):** Measurement grid: dx=10mm, dy=10mm

Reference Value = 2.36 V/m

Power Drift = -0.1 dB

Maximum value of SAR = 0.379 mW/g

**Middle-Turbo mode/Zoom Scan (7x7x8)/Cube 0:** Measurement grid: dx=4.3mm, dy=4.3mm, dz=3mm

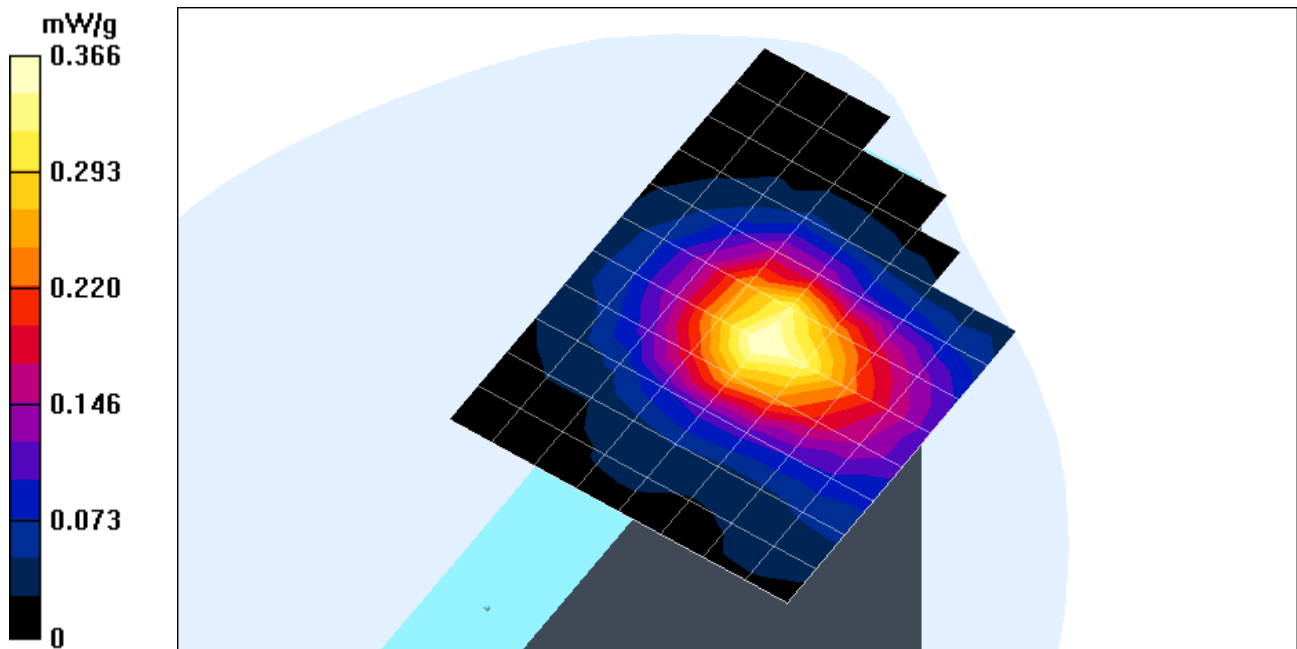
Peak SAR (extrapolated) = 0.782 W/kg

SAR(1 g) = 0.273 mW/g; SAR(10 g) = 0.118 mW/g

Reference Value = 2.36 V/m

Power Drift = -0.1 dB

Maximum value of SAR = 0.366 mW/g



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## C1\_802.11a - Antenna A

**DUT: Ambit Microsystems Corp; Type: J07H069.01; Serial: N/A**

**Program Name: Configuration 1 - 802.11a\_Antenna A**

**Ambient Temperature: 25.0 deg C; Liquid Temperature: 23.5 deg C**

Communication System: 802.11a; Frequency: 5785 MHz; Duty Cycle: 1:1

Medium: M5800MHz ( $\sigma = 6.2951$  mho/m,  $\epsilon_r = 47.2275$ ,  $\rho = 1000$  kg/m<sup>3</sup>)

Phantom section: Flat Section

DASY4 Configuration:

- Probe: ES3DV2 - SN3021; ConvF(1.1, 1.1, 1.1); Calibrated: 7/29/2003
- Sensor-Surface: 3.1mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn427; Calibrated: 2/4/2003
- Phantom: SAM 2; Type: SAM 2; Serial: 1050
- Measurement SW: DASY4, V4.1 Build 47; Postprocessing SW: SEMCAD, V1.8 Build 62

**Middle/Area Scan (9x13x1):** Measurement grid: dx=10mm, dy=10mm

Reference Value = 2.46 V/m

Power Drift = -0.19 dB

Maximum value of SAR = 0.255 mW/g

**Middle/Zoom Scan (7x7x8)/Cube 0:** Measurement grid: dx=4.3mm, dy=4.3mm, dz=3mm

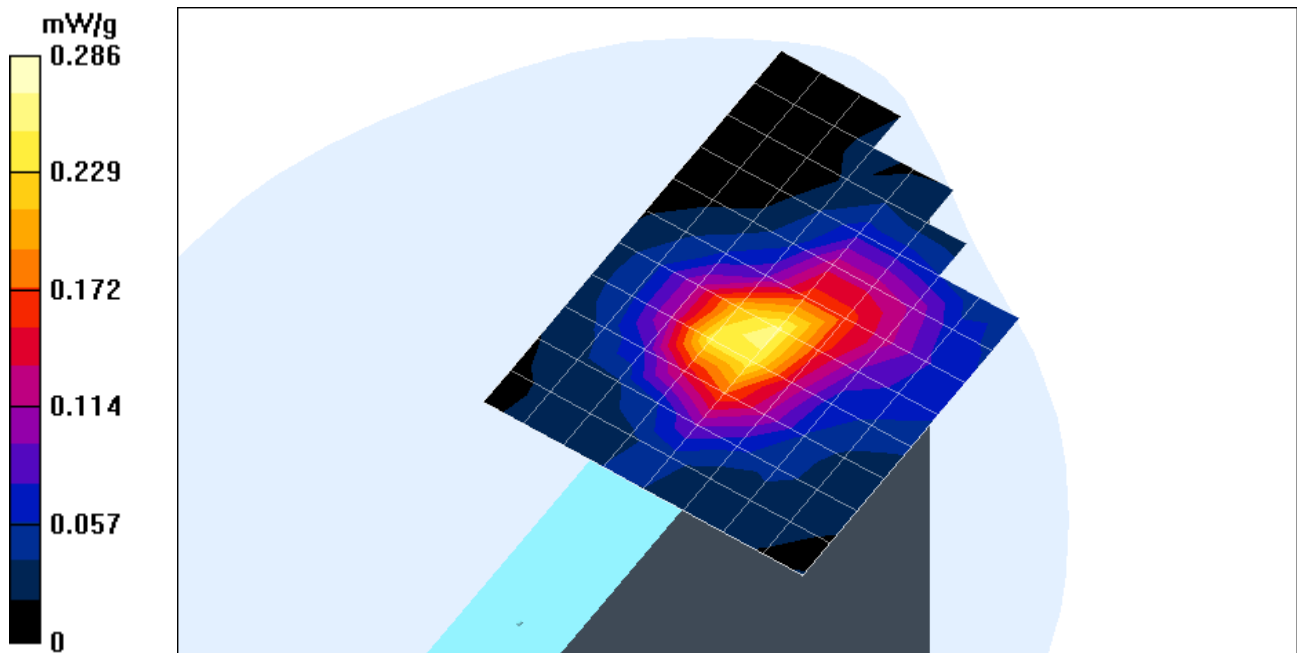
Peak SAR (extrapolated) = 0.955 W/kg

SAR(1 g) = 0.229 mW/g; SAR(10 g) = 0.096 mW/g

Reference Value = 2.46 V/m

Power Drift = -0.19 dB

Maximum value of SAR = 0.286 mW/g



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## C1\_802.11a - Antenna A

**DUT: Ambit Microsystems Corp; Type: J07H069.01; Serial: N/A**

DASY4 Configuration:

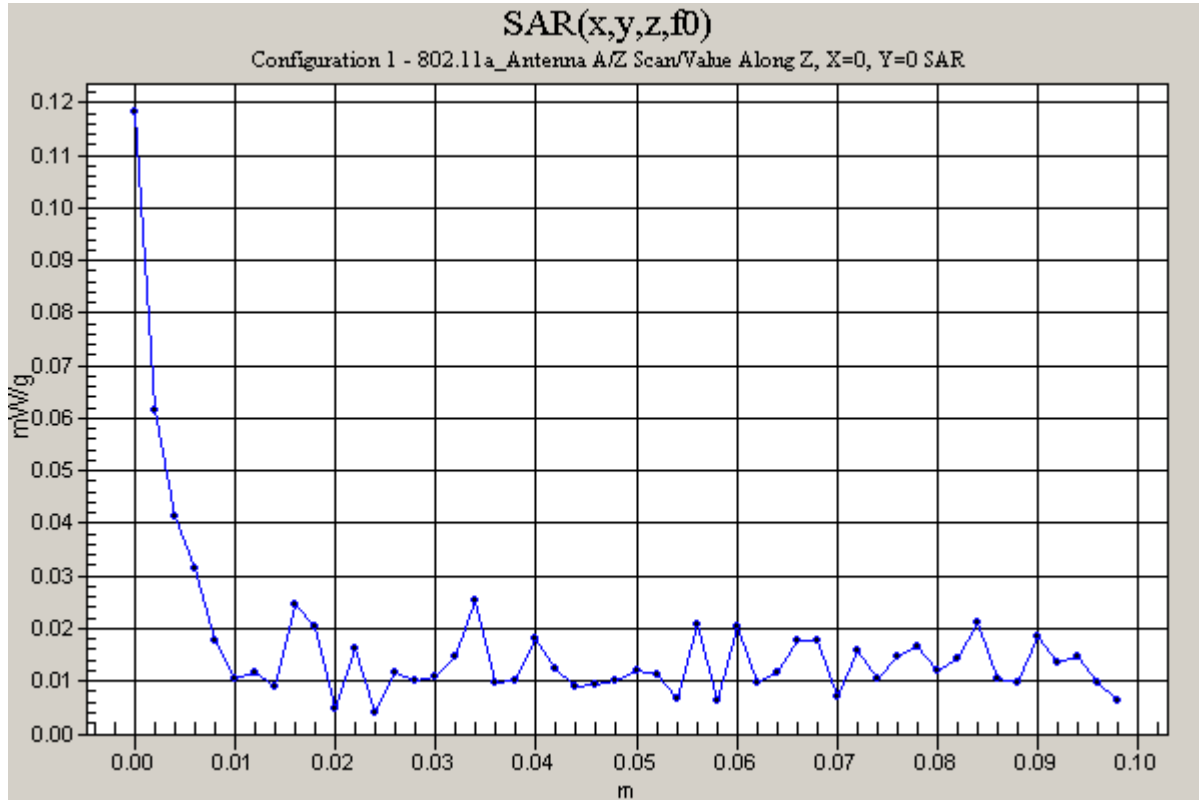
- Probe: ES3DV2 - SN3021; ConvF(1.1, 1.1, 1.1); Calibrated: 7/29/2003
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE3 Sn427; Calibrated: 2/4/2003
- Phantom: SAM 2; Type: SAM 2; Serial: 1050
- Measurement SW: DASY4, V4.1 Build 47; Postprocessing SW: SEMCAD, V1.8 Build 62

**Middle/Z Scan (1x1x51):** Measurement grid: dx=20mm, dy=20mm, dz=2mm

Reference Value = 2.46 V/m

Power Drift = -0.14 dB

Maximum value of SAR = 0.118 mW/g



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## C1\_802.11a - Antenna A

**DUT: Ambit Microsystems Corp; Type: J07H069.01; Serial: N/A**

**Program Name: Configuration 1 - 802.11a\_Antenna A**

**Ambient Temperature: 25.0 deg C; Liquid Temperature: 23.5 deg C**

Communication System: 802.11a; Frequency: 5800 MHz; Duty Cycle: 1:1

Medium: M5800MHz ( $\sigma = 6.2951$  mho/m,  $\epsilon_r = 47.2275$ ,  $\rho = 1000$  kg/m<sup>3</sup>)

Phantom section: Flat Section

DASY4 Configuration:

- Probe: ES3DV2 - SN3021; ConvF(1.1, 1.1, 1.1); Calibrated: 7/29/2003
- Sensor-Surface: 3.1mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn427; Calibrated: 2/4/2003
- Phantom: SAM 2; Type: SAM 2; Serial: 1050
- Measurement SW: DASY4, V4.1 Build 47; Postprocessing SW: SEMCAD, V1.8 Build 62

**Middle-Turbo mode/Area Scan (9x12x1):** Measurement grid: dx=10mm, dy=10mm

Reference Value = 2.16 V/m

Power Drift = 0.1 dB

Maximum value of SAR = 0.265 mW/g

**Middle-Turbo mode/Zoom Scan (7x7x8)/Cube 0:** Measurement grid: dx=4.3mm, dy=4.3mm, dz=3mm

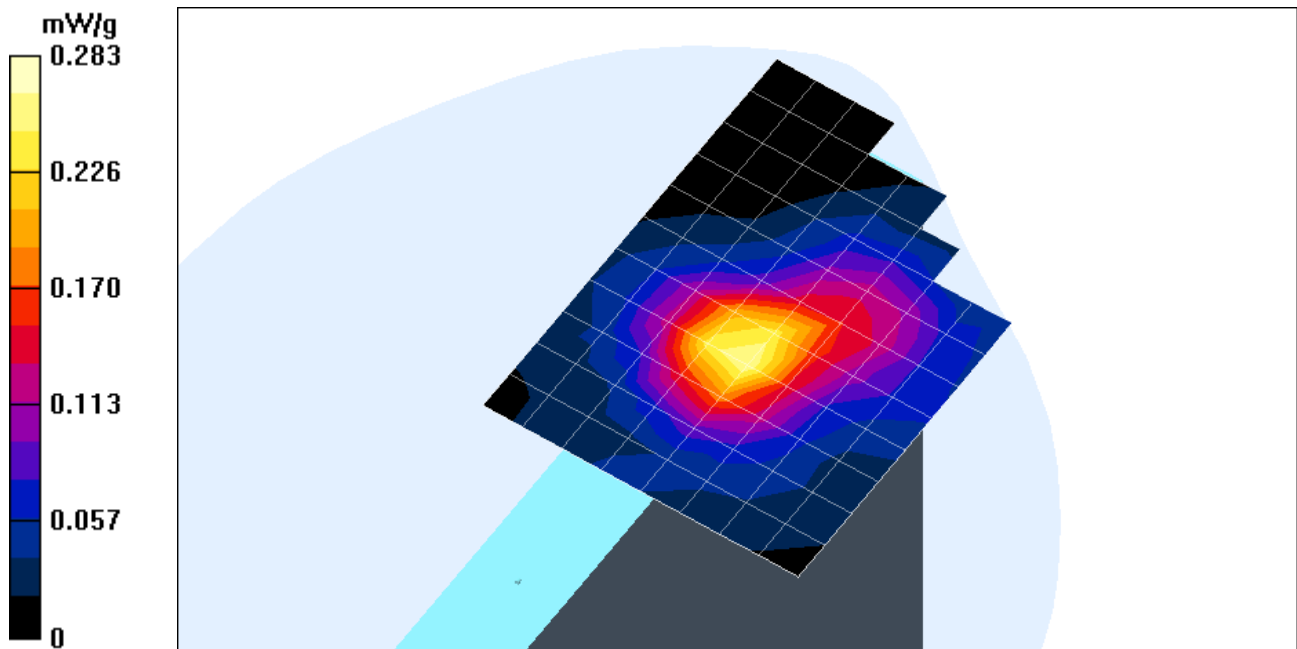
Peak SAR (extrapolated) = 0.959 W/kg

SAR(1 g) = 0.215 mW/g; SAR(10 g) = 0.092 mW/g

Reference Value = 2.16 V/m

Power Drift = 0.1 dB

Maximum value of SAR = 0.283 mW/g





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## C2\_802.11a - Anenna B

**DUT: Ambit Microsystems Corp; Type: J07H069.01; Serial: N/A**

**Program Name: Configuration 2 - 802.11a\_Antenna B**

**Ambient Temperature: 25.0 deg C; Liquid Temperature: 23.5 deg C**

Communication System: 802.11a; Frequency: 5260 MHz; Duty Cycle: 1:1

Medium: M5200MHz ( $\sigma = 5.4839$  mho/m,  $\epsilon_r = 48.9569$ ,  $\rho = 1000$  kg/m<sup>3</sup>)

Phantom section: Flat Section

DASY4 Configuration:

- Probe: ES3DV2 - SN3021; ConvF(1.4, 1.4, 1.4); Calibrated: 7/29/2003
- Sensor-Surface: 3.1mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn427; Calibrated: 2/4/2003
- Phantom: SAM 2; Type: SAM 2; Serial: 1050
- Measurement SW: DASY4, V4.1 Build 47; Postprocessing SW: SEMCAD, V1.8 Build 62

**Middle/Area Scan (9x13x1):** Measurement grid: dx=10mm, dy=10mm

Reference Value = 3.19 V/m

Power Drift = -0.007 dB

Maximum value of SAR = 0.188 mW/g

**Middle/Zoom Scan (7x7x8)/Cube 0:** Measurement grid: dx=4.3mm, dy=4.3mm, dz=3mm

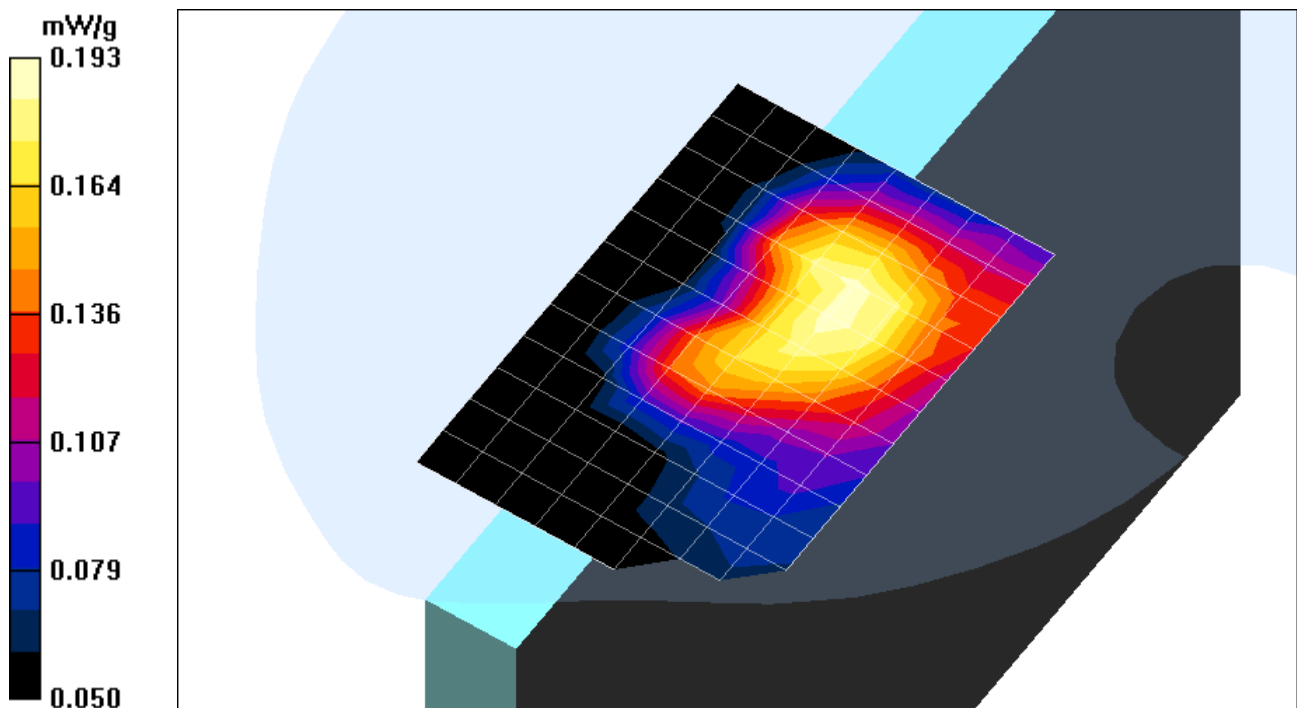
Peak SAR (extrapolated) = 0.572 W/kg

SAR(1 g) = 0.157 mW/g; SAR(10 g) = 0.103 mW/g

Reference Value = 3.19 V/m

Power Drift = -0.007 dB

Maximum value of SAR = 0.193 mW/g



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## C2\_802.11a - Antenna B

DUT: Ambit Microsystems Corp; Type: J07H069.01; Serial: N/A

DASY4 Configuration:

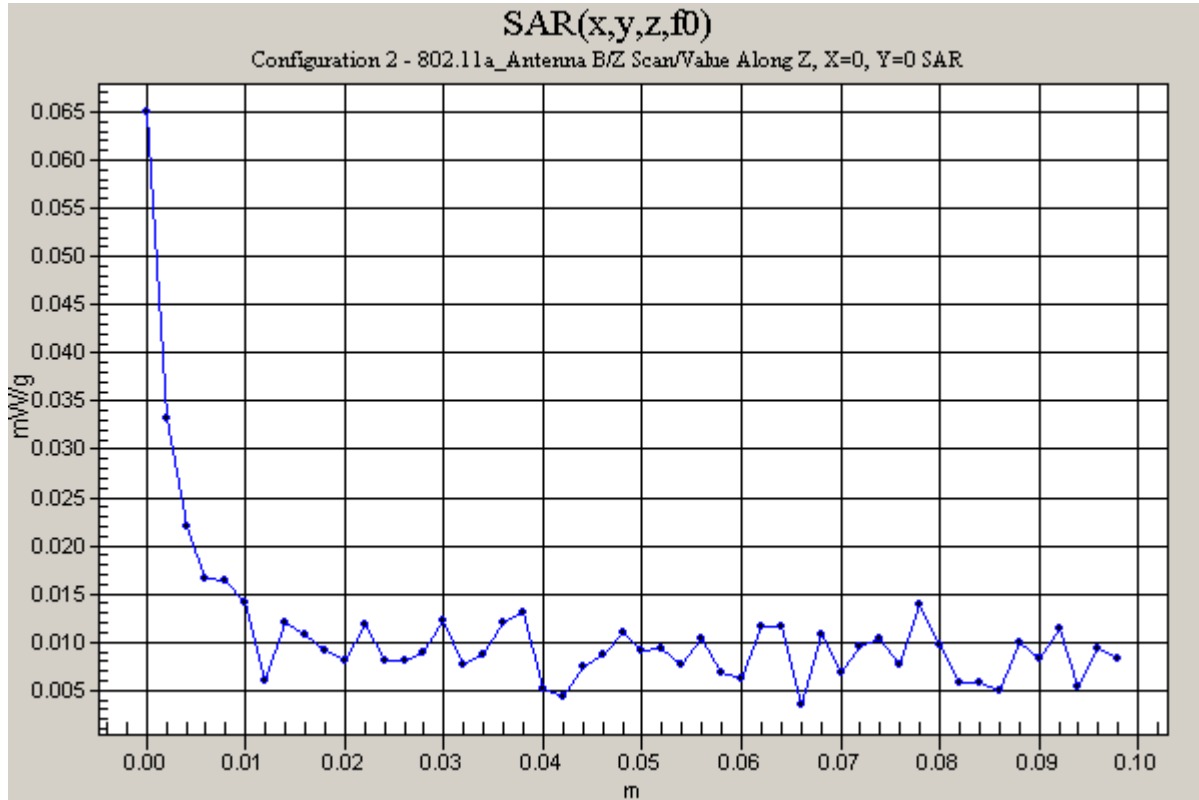
- Probe: ES3DV2 - SN3021; ConvF(1.4, 1.4, 1.4); Calibrated: 7/29/2003
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE3 Sn427; Calibrated: 2/4/2003
- Phantom: SAM 2; Type: SAM 2; Serial: 1050
- Measurement SW: DASY4, V4.1 Build 47; Postprocessing SW: SEMCAD, V1.8 Build 62

**Middle/Z Scan (1x1x51):** Measurement grid: dx=20mm, dy=20mm, dz=2mm

Reference Value = 3.19 V/m

Power Drift = -0.17 dB

Maximum value of SAR = 0.065 mW/g



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## C2\_802.11a - Anenna B

**DUT: Ambit Microsystems Corp; Type: J07H069.01; Serial: N/A**

**Program Name: Configuration 2 - 802.11a\_Antenna B**

**Ambient Temperature: 25.0 deg C; Liquid Temperature: 23.5 deg C**

Communication System: 802.11a; Frequency: 5250 MHz; Duty Cycle: 1:1

Medium: M5200MHz ( $\sigma = 5.4839$  mho/m,  $\epsilon_r = 48.9569$ ,  $\rho = 1000$  kg/m<sup>3</sup>)

Phantom section: Flat Section

DASY4 Configuration:

- Probe: ES3DV2 - SN3021; ConvF(1.4, 1.4, 1.4); Calibrated: 7/29/2003
- Sensor-Surface: 3.1mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn427; Calibrated: 2/4/2003
- Phantom: SAM 2; Type: SAM 2; Serial: 1050
- Measurement SW: DASY4, V4.1 Build 47; Postprocessing SW: SEMCAD, V1.8 Build 62

**Middle-Turbo mode/Area Scan (9x13x1):** Measurement grid: dx=10mm, dy=10mm

Reference Value = 3.1 V/m

Power Drift = 0.14 dB

Maximum value of SAR = 0.139 mW/g

**Middle-Turbo mode/Zoom Scan (7x7x8)/Cube 0:** Measurement grid: dx=4.3mm, dy=4.3mm, dz=3mm

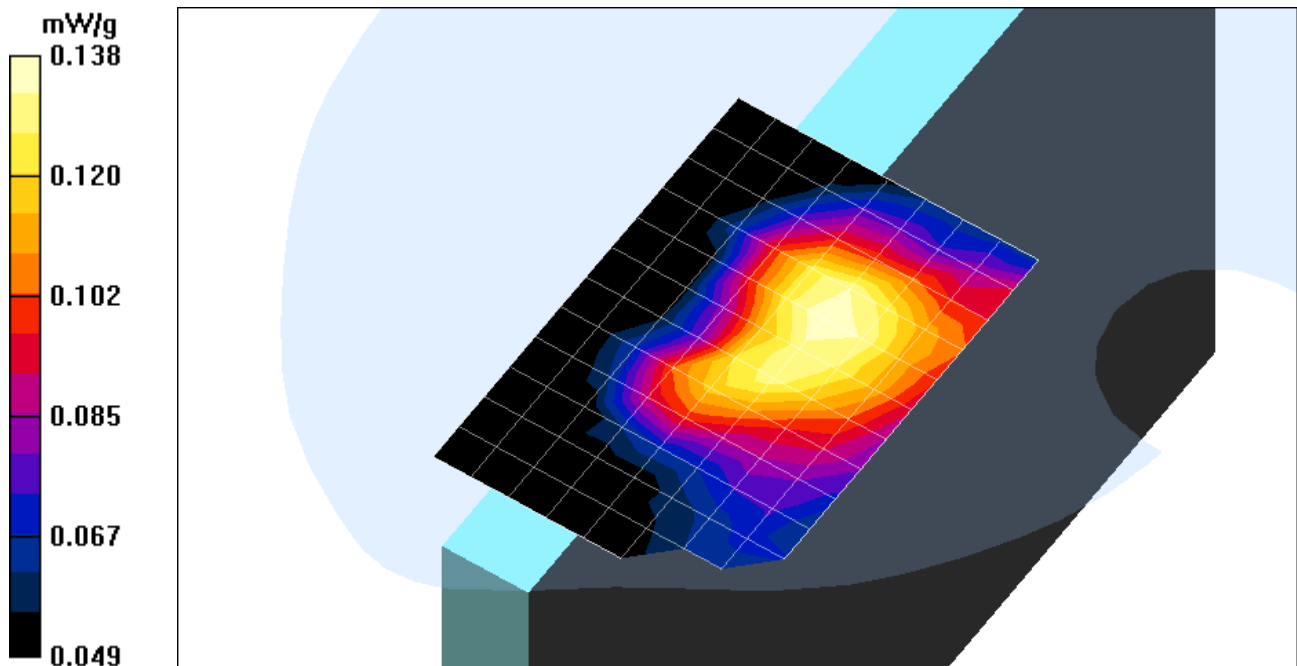
Peak SAR (extrapolated) = 0.400 W/kg

SAR(1 g) = 0.125 mW/g; SAR(10 g) = 0.087 mW/g

Reference Value = 3.1 V/m

Power Drift = 0.14 dB

Maximum value of SAR = 0.138 mW/g



Test Laboratory: Compliance Certification Services

## C2\_802.11a - Antenna B

**DUT: Ambit Microsystems Corp; Type: J07H069.01; Serial: N/A**

**Program Name: Configuration 2 - 802.11a\_Antenna B**

**Ambient Temperature: 25.0 deg C; Liquid Temperature: 23.5 deg C**

Communication System: 802.11a; Frequency: 5785 MHz; Duty Cycle: 1:1

Medium: M5800MHz ( $\sigma = 6.2951$  mho/m,  $\epsilon_r = 47.2275$ ,  $\rho = 1000$  kg/m<sup>3</sup>)

Phantom section: Flat Section

DASY4 Configuration:

- Probe: ES3DV2 - SN3021; ConvF(1.1, 1.1, 1.1); Calibrated: 7/29/2003
- Sensor-Surface: 3.1mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn427; Calibrated: 2/4/2003
- Phantom: SAM 2; Type: SAM 2; Serial: 1050
- Measurement SW: DASY4, V4.1 Build 47; Postprocessing SW: SEMCAD, V1.8 Build 62

**Middle/Area Scan (9x13x1):** Measurement grid: dx=10mm, dy=10mm

Reference Value = 3.22 V/m

Power Drift = 0.13 dB

Maximum value of SAR = 0.390 mW/g

**Middle/Zoom Scan (7x7x8)/Cube 0:** Measurement grid: dx=4.3mm, dy=4.3mm, dz=3mm

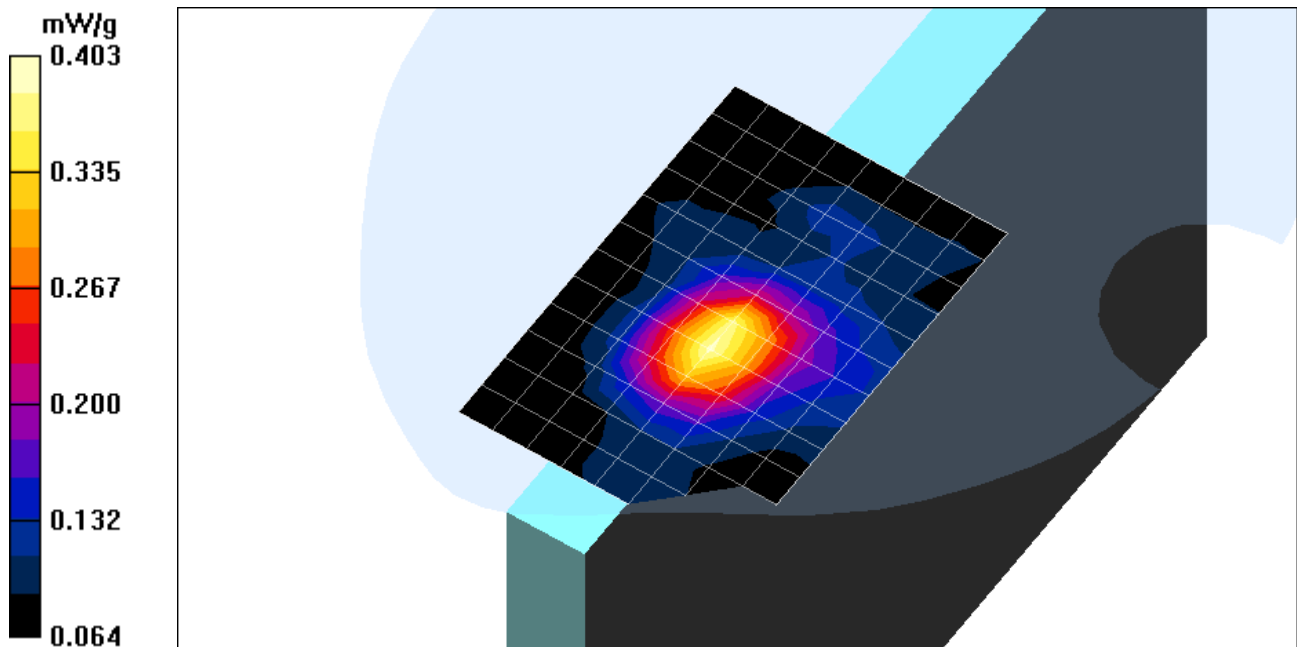
Peak SAR (extrapolated) = 0.947 W/kg

SAR(1 g) = 0.323 mW/g; SAR(10 g) = 0.179 mW/g

Reference Value = 3.22 V/m

Power Drift = 0.13 dB

Maximum value of SAR = 0.403 mW/g



Test Laboratory: Compliance Certification Services

## C2\_802.11a - Anenna B

**DUT: Ambit Microsystems Corp; Type: J07H069.01; Serial: N/A**

**Program Name: Configuration 2 - 802.11a\_Antenna B**

**Ambient Temperature: 25.0 deg C; Liquid Temperature: 23.5 deg C**

Communication System: 802.11a; Frequency: 5800 MHz; Duty Cycle: 1:1

Medium: M5800MHz ( $\sigma = 6.2951$  mho/m,  $\epsilon_r = 47.2275$ ,  $\rho = 1000$  kg/m<sup>3</sup>)

Phantom section: Flat Section

DASY4 Configuration:

- Probe: ES3DV2 - SN3021; ConvF(1.1, 1.1, 1.1); Calibrated: 7/29/2003
- Sensor-Surface: 3.1mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn427; Calibrated: 2/4/2003
- Phantom: SAM 2; Type: SAM 2; Serial: 1050
- Measurement SW: DASY4, V4.1 Build 47; Postprocessing SW: SEMCAD, V1.8 Build 62

**Middle-Turbo mode/Area Scan (9x12x1):** Measurement grid: dx=10mm, dy=10mm

Reference Value = 3.29 V/m

Power Drift = 0.13 dB

Maximum value of SAR = 0.420 mW/g

**Middle-Turbo mode/Zoom Scan (7x7x8)/Cube 0:** Measurement grid: dx=4.3mm, dy=4.3mm, dz=3mm

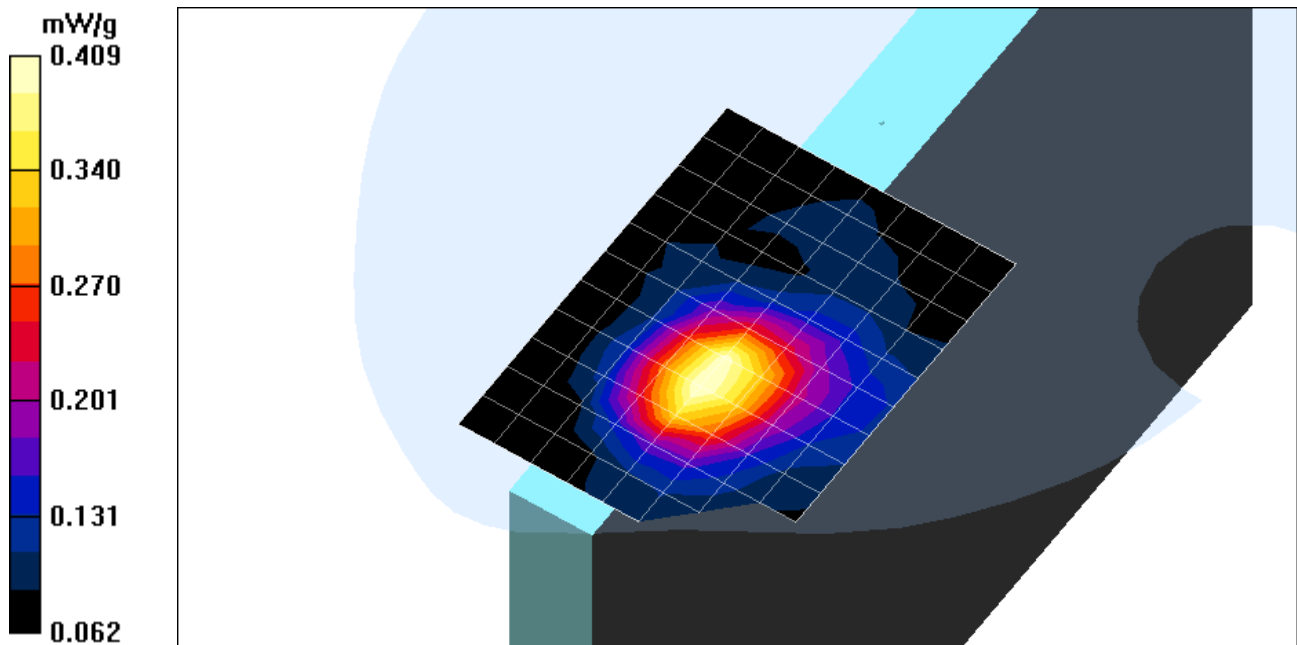
Peak SAR (extrapolated) = 1.03 W/kg

SAR(1 g) = 0.332 mW/g; SAR(10 g) = 0.186 mW/g

Reference Value = 3.29 V/m

Power Drift = 0.13 dB

Maximum value of SAR = 0.409 mW/g



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## C2\_802.11a - Antenna B

DUT: Ambit Microsystems Corp; Type: J07H069.01; Serial: N/A

DASY4 Configuration:

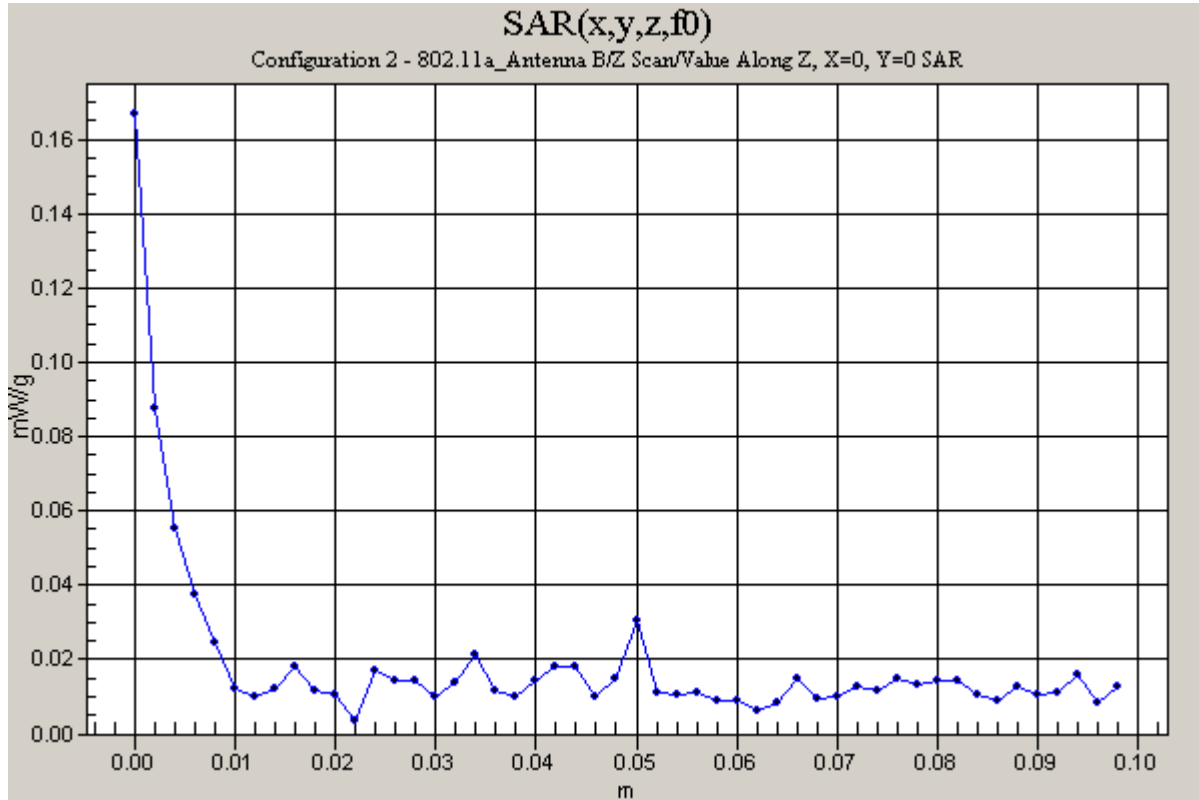
- Probe: ES3DV2 - SN3021; ConvF(1.1, 1.1, 1.1); Calibrated: 7/29/2003
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE3 Sn427; Calibrated: 2/4/2003
- Phantom: SAM 2; Type: SAM 2; Serial: 1050
- Measurement SW: DASY4, V4.1 Build 47; Postprocessing SW: SEMCAD, V1.8 Build 62

**Middle-Turbo mode/Z Scan (1x1x51):** Measurement grid: dx=20mm, dy=20mm, dz=2mm

Reference Value = 3.29 V/m

Power Drift = -0.16 dB

Maximum value of SAR = 0.167 mW/g



Test Laboratory: Compliance Certification Services

### C3\_802.11a - Anenna A

**DUT: Ambit Microsystems Corp; Type: J07H069.01; Serial: N/A**

**Program Name: Configuration 3 - 802.11a\_Antenna A**

**Ambient Temperature: 25.0 deg C; Liquid Temperature: 23.5 deg C**

Communication System: 802.11a; Frequency: 5260 MHz; Duty Cycle: 1:1

Medium: M5200MHz ( $\sigma = 5.4839$  mho/m,  $\epsilon_r = 48.9569$ ,  $\rho = 1000$  kg/m<sup>3</sup>)

Phantom section: Flat Section

DASY4 Configuration:

- Probe: ES3DV2 - SN3021; ConvF(1.4, 1.4, 1.4); Calibrated: 7/29/2003
- Sensor-Surface: 3.1mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn427; Calibrated: 2/4/2003
- Phantom: SAM 2; Type: SAM 2; Serial: 1050
- Measurement SW: DASY4, V4.1 Build 47; Postprocessing SW: SEMCAD, V1.8 Build 62

**Middle/Area Scan (11x12x1):** Measurement grid: dx=10mm, dy=10mm

Reference Value = 1.45 V/m

Power Drift = 0.12 dB

Maximum value of SAR = 0.223 mW/g

**Middle/Zoom Scan (7x7x8)/Cube 0:** Measurement grid: dx=4.3mm, dy=4.3mm, dz=3mm

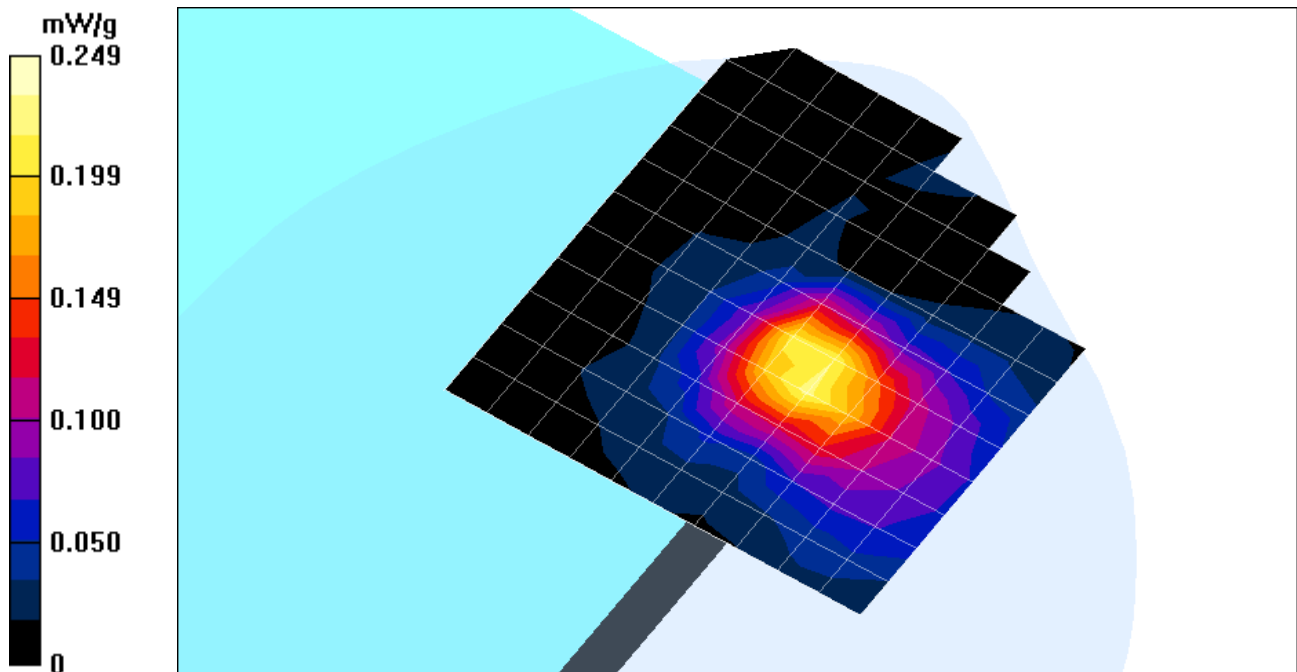
Peak SAR (extrapolated) = 0.551 W/kg

SAR(1 g) = 0.183 mW/g; SAR(10 g) = 0.082 mW/g

Reference Value = 1.45 V/m

Power Drift = 0.12 dB

Maximum value of SAR = 0.249 mW/g



Test Laboratory: Compliance Certification Services

### C3\_802.11a - Antenna A

**DUT: Ambit Microsystems Corp; Type: J07H069.01; Serial: N/A**

DASY4 Configuration:

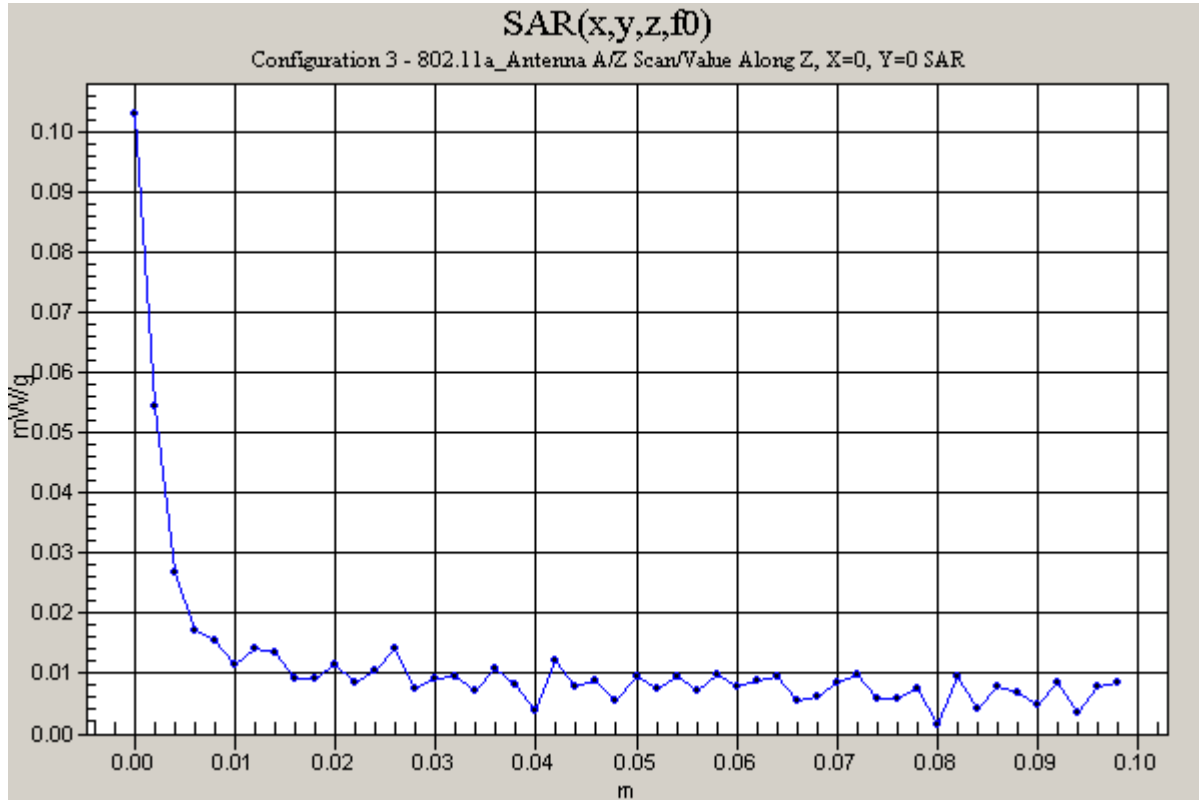
- Probe: ES3DV2 - SN3021; ConvF(1.4, 1.4, 1.4); Calibrated: 7/29/2003
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE3 Sn427; Calibrated: 2/4/2003
- Phantom: SAM 2; Type: SAM 2; Serial: 1050
- Measurement SW: DASY4, V4.1 Build 47; Postprocessing SW: SEMCAD, V1.8 Build 62

**Middle/Z Scan (1x1x51):** Measurement grid: dx=20mm, dy=20mm, dz=2mm

Reference Value = 1.45 V/m

Power Drift = 0.12 dB

Maximum value of SAR = 0.103 mW/g





Test Laboratory: Compliance Certification Services

### C3\_802.11a - Antenna A

**DUT: Ambit Microsystems Corp; Type: J07H069.01; Serial: N/A**

**Program Name: Configuration 3 - 802.11a\_Antenna A**

**Ambient Temperature: 25.0 deg C; Liquid Temperature: 23.5 deg C**

Communication System: 802.11a; Frequency: 5785 MHz; Duty Cycle: 1:1

Medium: M5800MHz ( $\sigma = 6.2951$  mho/m,  $\epsilon_r = 47.2275$ ,  $\rho = 1000$  kg/m<sup>3</sup>)

Phantom section: Flat Section

DASY4 Configuration:

- Probe: ES3DV2 - SN3021; ConvF(1.1, 1.1, 1.1); Calibrated: 7/29/2003
- Sensor-Surface: 3.1mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn427; Calibrated: 2/4/2003
- Phantom: SAM 2; Type: SAM 2; Serial: 1050
- Measurement SW: DASY4, V4.1 Build 47; Postprocessing SW: SEMCAD, V1.8 Build 62

**Middle/Area Scan (11x12x1):** Measurement grid: dx=10mm, dy=10mm

Reference Value = 1.54 V/m

Power Drift = 0.18 dB

Maximum value of SAR = 0.088 mW/g

**Middle/Zoom Scan (7x7x8)/Cube 0:** Measurement grid: dx=4.3mm, dy=4.3mm, dz=3mm

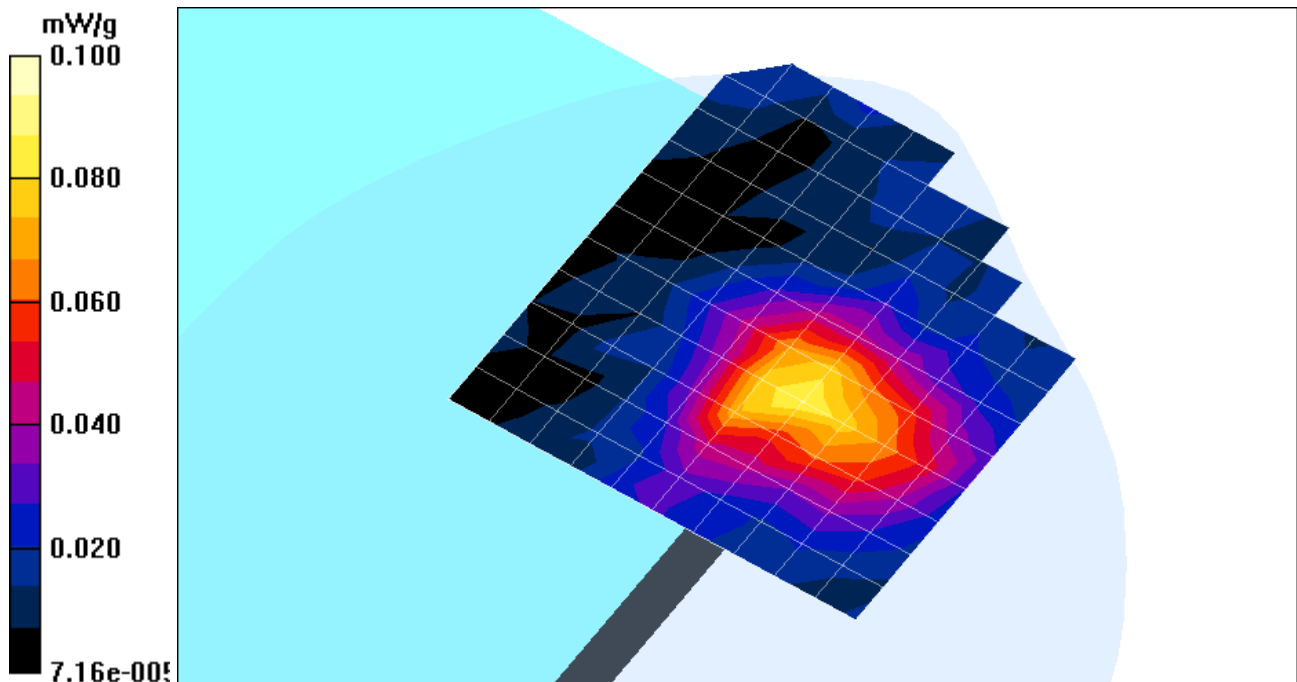
Peak SAR (extrapolated) = 2.9 W/kg

SAR(1 g) = 0.098 mW/g; SAR(10 g) = 0.046 mW/g

Reference Value = 1.54 V/m

Power Drift = 0.18 dB

Maximum value of SAR = 0.100 mW/g



Test Laboratory: Compliance Certification Services

### C3\_802.11a - Antenna A

DUT: Ambit Microsystems Corp; Type: J07H069.01; Serial: N/A

DASY4 Configuration:

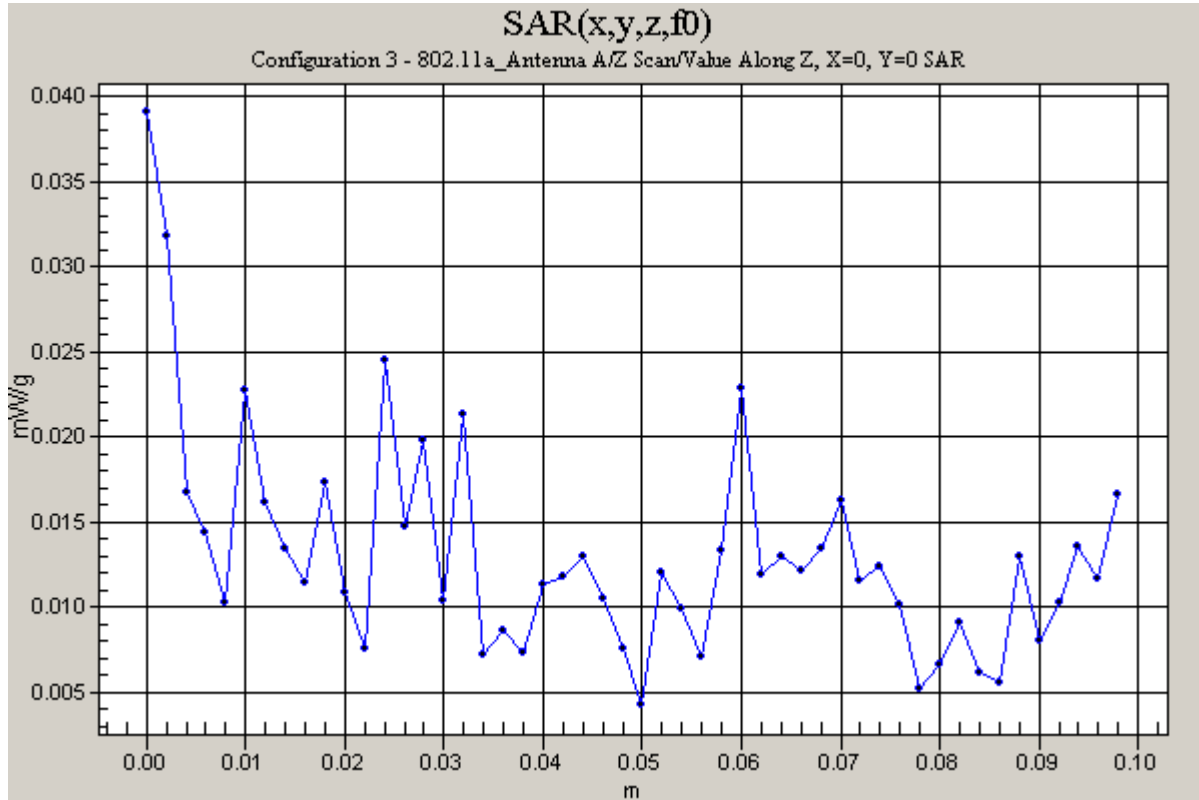
- Probe: ES3DV2 - SN3021; ConvF(1.1, 1.1, 1.1); Calibrated: 7/29/2003
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE3 Sn427; Calibrated: 2/4/2003
- Phantom: SAM 2; Type: SAM 2; Serial: 1050
- Measurement SW: DASY4, V4.1 Build 47; Postprocessing SW: SEMCAD, V1.8 Build 62

**Middle/Z Scan (1x1x51):** Measurement grid: dx=20mm, dy=20mm, dz=2mm

Reference Value = 1.54 V/m

Power Drift = 0.18 dB

Maximum value of SAR = 0.039 mW/g



Test Laboratory: Compliance Certification Services

## C4\_802.11a - Anenna B

**DUT: Ambit Microsystems Corp; Type: J07H069.01; Serial: N/A**

**Program Name: Configuration 4 - 802.11a\_Antenna B**

**Ambient Temperature: 25.0 deg C; Liquid Temperature: 23.5 deg C**

Communication System: 802.11a; Frequency: 5260 MHz; Duty Cycle: 1:1

Medium: M5200MHz ( $\sigma = 5.4839$  mho/m,  $\epsilon_r = 48.9569$ ,  $\rho = 1000$  kg/m<sup>3</sup>)

Phantom section: Flat Section

DASY4 Configuration:

- Probe: ES3DV2 - SN3021; ConvF(1.4, 1.4, 1.4); Calibrated: 7/29/2003
- Sensor-Surface: 3.1mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn427; Calibrated: 2/4/2003
- Phantom: SAM 2; Type: SAM 2; Serial: 1050
- Measurement SW: DASY4, V4.1 Build 47; Postprocessing SW: SEMCAD, V1.8 Build 62

**Middle/Area Scan (11x15x1):** Measurement grid: dx=10mm, dy=10mm

Reference Value = 1.61 V/m

Power Drift = -0.12 dB

Maximum value of SAR = 0.029 mW/g

**Middle/Zoom Scan (7x7x8)/Cube 0:** Measurement grid: dx=4.3mm, dy=4.3mm, dz=3mm

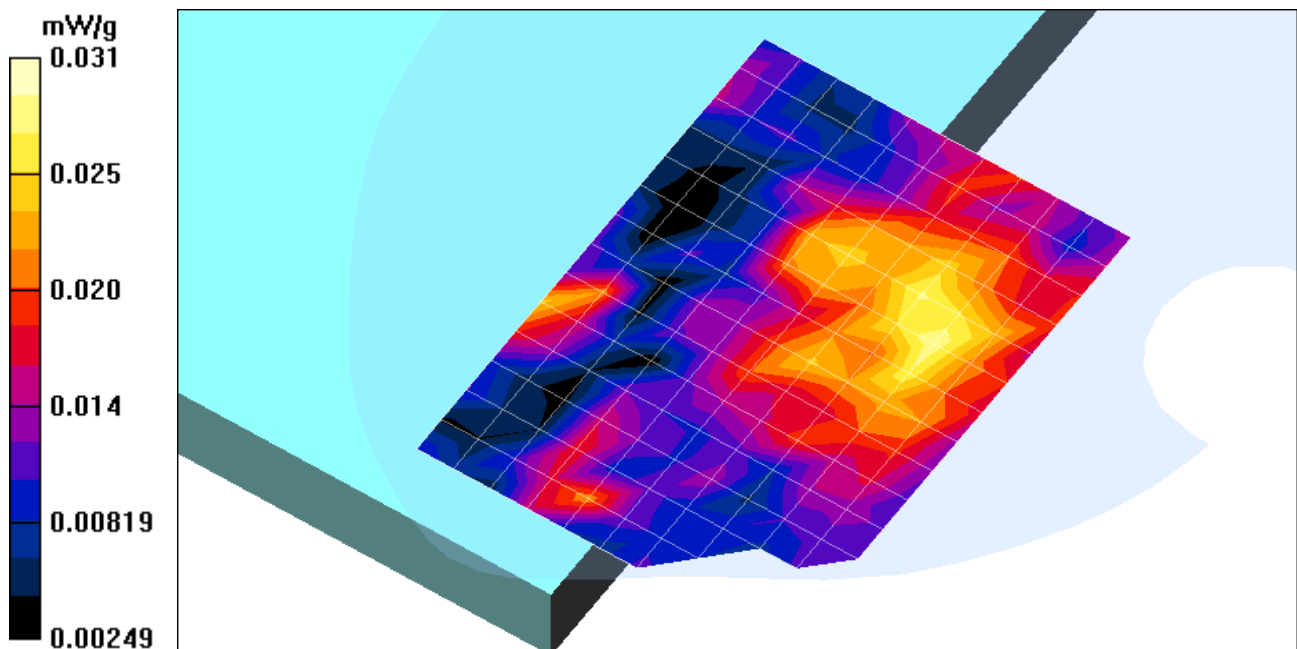
Peak SAR (extrapolated) = 0.521 W/kg

SAR(1 g) = 0.031 mW/g; SAR(10 g) = 0.017 mW/g

Reference Value = 1.61 V/m

Power Drift = -0.12 dB

Maximum value of SAR = 0.031 mW/g



Test Laboratory: Compliance Certification Services

## C4\_802.11a - Antenna B

**DUT: Ambit Microsystems Corp; Type: J07H069.01; Serial: N/A**

**Program Name: Configuration 4 - 802.11a\_Antenna B**

**Ambient Temperature: 25.0 deg C; Liquid Temperature: 23.5 deg C**

Communication System: 802.11a; Frequency: 5785 MHz; Duty Cycle: 1:1

Medium: M5800MHz ( $\sigma = 6.2951$  mho/m,  $\epsilon_r = 47.2275$ ,  $\rho = 1000$  kg/m<sup>3</sup>)

Phantom section: Flat Section

DASY4 Configuration:

- Probe: ES3DV2 - SN3021; ConvF(1.1, 1.1, 1.1); Calibrated: 7/29/2003
- Sensor-Surface: 3.1mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn427; Calibrated: 2/4/2003
- Phantom: SAM 2; Type: SAM 2; Serial: 1050
- Measurement SW: DASY4, V4.1 Build 47; Postprocessing SW: SEMCAD, V1.8 Build 62

**Middle/Area Scan (11x15x1):** Measurement grid: dx=10mm, dy=10mm

Reference Value = 1.3 V/m

Power Drift = 0.13 dB

Maximum value of SAR = 0.093 mW/g

**Middle/Zoom Scan (7x7x8)/Cube 0:** Measurement grid: dx=4.3mm, dy=4.3mm, dz=3mm

Peak SAR (extrapolated) = 0.423 W/kg

SAR(1 g) = 0.076 mW/g; SAR(10 g) = 0.037 mW/g

Reference Value = 1.3 V/m

Power Drift = 0.13 dB

Maximum value of SAR = 0.096 mW/g

