

Test Laboratory: Compliance Certification Services

EUT Setup Configuration 1_Antenna A

DUT: Toshiba; Type: PA3297U-1MPC; Serial: N/A

Program Name: EUT Setup 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 ($\sigma = 5.4347$ mho/m, $\epsilon_r = 48.6169$, $\rho = 1000$ kg/m³)

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

Reference Value = 1.66 V/m

Power Drift = -0.11 dB

Maximum value of SAR = 0.251 mW/g

Middle 2/Zoom Scan (7x7x8)/Cube 0: Measurement grid: dx=4.3mm, dy=4.3mm, dz=3mm

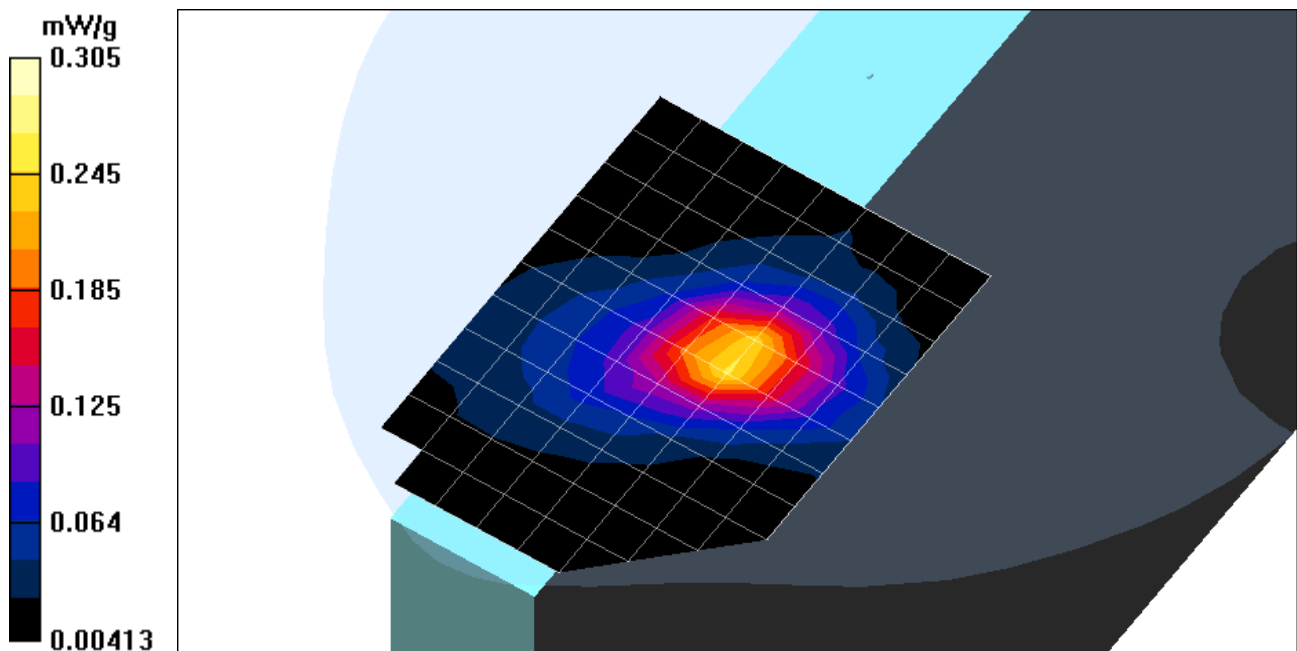
Peak SAR (extrapolated) = 0.732 W/kg

SAR(1 g) = 0.224 mW/g; SAR(10 g) = 0.091 mW/g

Reference Value = 1.66 V/m

Power Drift = -0.11 dB

Maximum value of SAR = 0.305 mW/g



Test Laboratory: Compliance Certification Services

EUT Setup Configuration 1_Antenna A

DUT: Toshiba; Type: PA3297U-1MPC; Serial: N/A

Program Name: EUT Setup 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 ($\sigma = 5.4347$ mho/m, $\epsilon_r = 48.6169$, $\rho = 1000$ kg/m³)

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 = 1.08 V/m

Power Drift = 0.14 dB

Maximum value of SAR = 0.303 mW/g

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

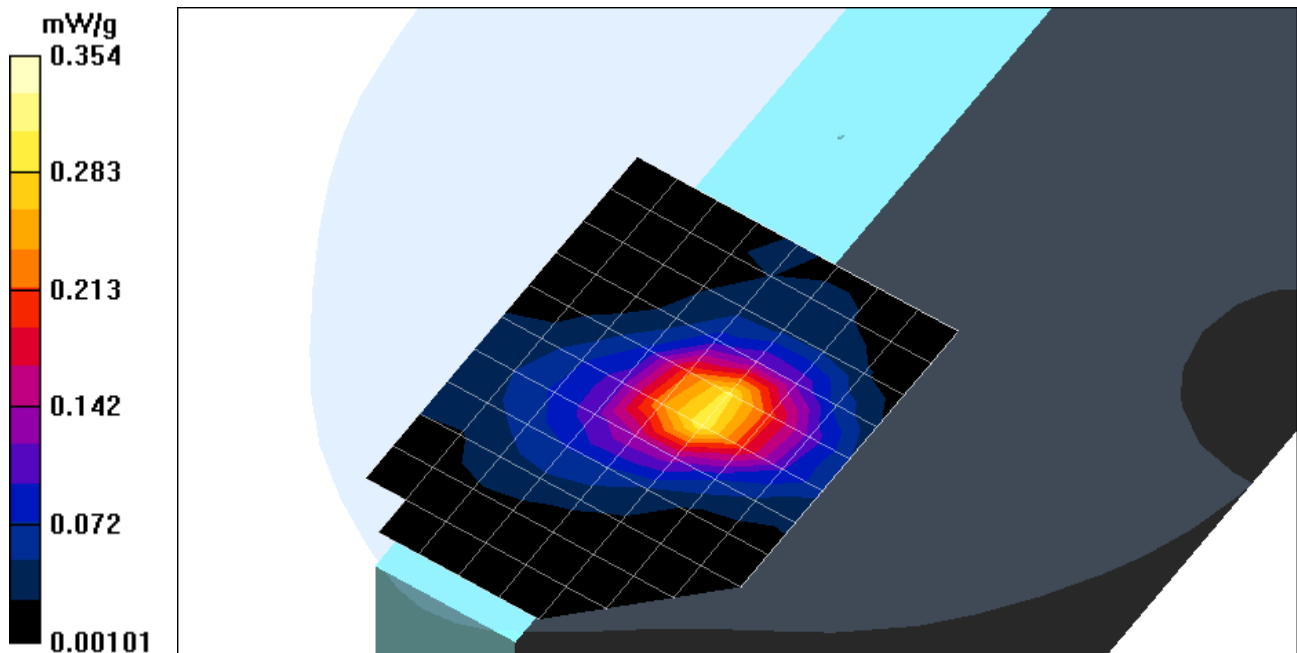
Peak SAR (extrapolated) = 0.792 W/kg

SAR(1 g) = 0.263 mW/g; SAR(10 g) = 0.106 mW/g

Reference Value = 1.08 V/m

Power Drift = 0.14 dB

Maximum value of SAR = 0.354 mW/g



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EUT Setup Configuration 1_Antenna A

DUT: Toshiba; Type: PA3297U-1MPC; Serial: N/A

DASY4 Configuration:

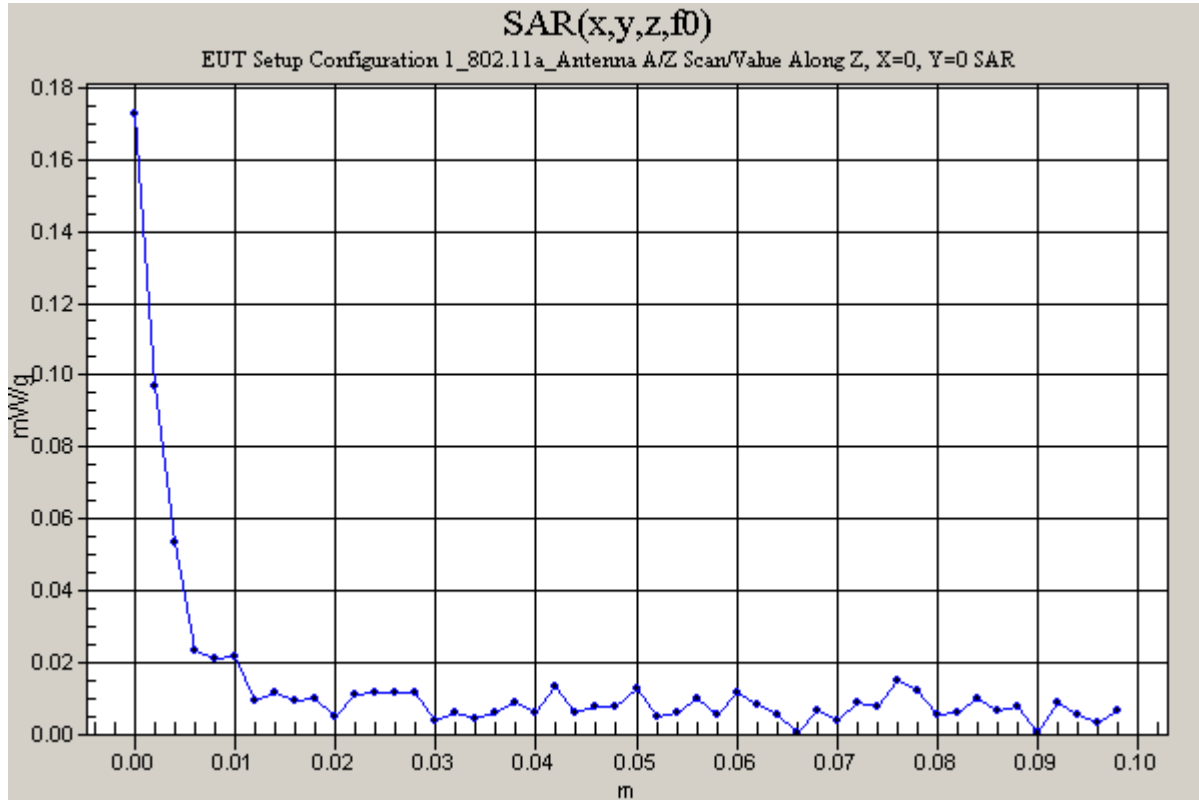
- Probe: ES3DV2 - SN3021; ConvF(1.4, 1.4, 1.4); Calibrated: 7/29/2003
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE3 Sn427; Calibrated: 2/4/2003
- Phantom: SAM 2; Type: SAM 2; Serial: 1050
- Measurement SW: DASY4, V4.1 Build 47; Postprocessing SW: SEMCAD, V1.8 Build 62

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

Reference Value = 1.08 V/m

Power Drift = 0.14 dB

Maximum value of SAR = 0.173 mW/g



Test Laboratory: Compliance Certification Services

EUT Setup Configuration 1_Antenna A

DUT: Toshiba; Type: PA3297U-1MPC; Serial: N/A

Program Name: EUT Setup 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 ($\sigma = 6.2984$ mho/m, $\epsilon_r = 47.0457$, $\rho = 1000$ kg/m³)

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 = 1.93 V/m

Power Drift = 0.0 dB

Maximum value of SAR = 0.173 mW/g

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

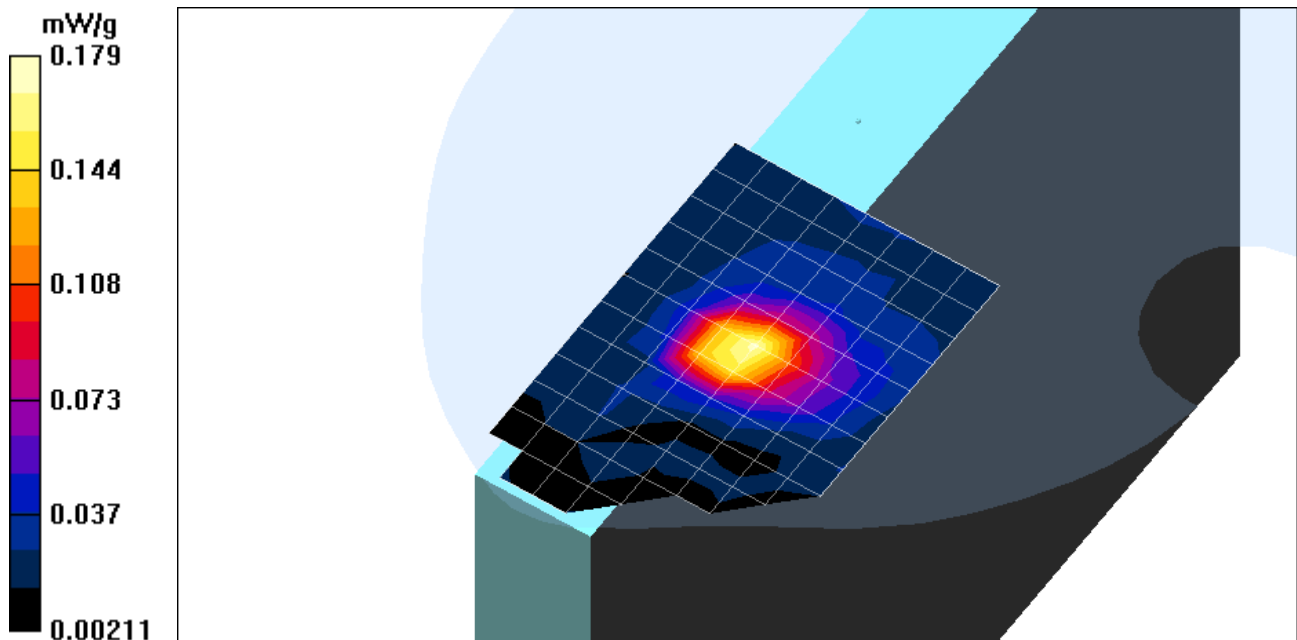
Peak SAR (extrapolated) = 0.996 W/kg

SAR(1 g) = 0.145 mW/g; SAR(10 g) = 0.065 mW/g

Reference Value = 1.93 V/m

Power Drift = 0.0 dB

Maximum value of SAR = 0.179 mW/g



Test Laboratory: Compliance Certification Services

EUT Setup Configuration 1_Antenna A

DUT: Toshiba; Type: PA3297U-1MPC; Serial: N/A

Program Name: EUT Setup Configuration 1_802.11a_Antenna A

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

Communication System: 802.11a; Frequency: 5760 MHz; Duty Cycle: 1:1

Medium: M5800MHz ($\sigma = 6.2984$ mho/m, $\epsilon_r = 47.0457$, $\rho = 1000$ kg/m³)

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 (9x13x1): Measurement grid: dx=10mm, dy=10mm

Reference Value = 2.31 V/m

Power Drift = 0.14 dB

Maximum value of SAR = 0.422 mW/g

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

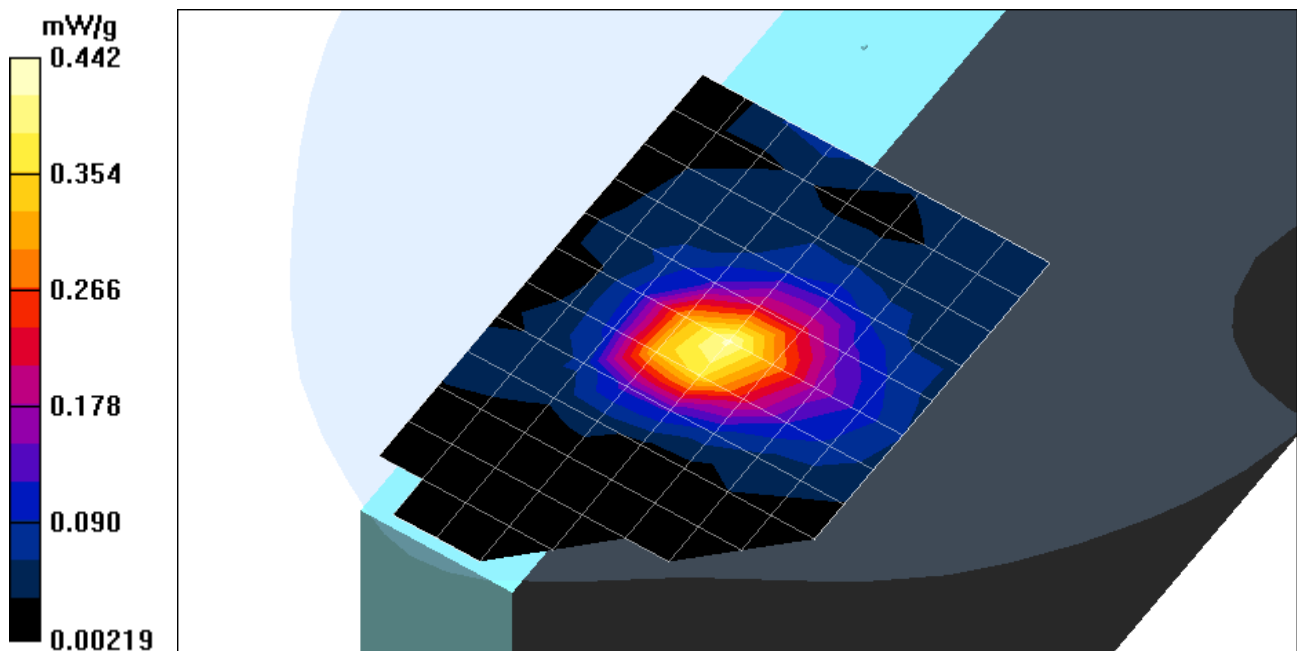
Peak SAR (extrapolated) = 1.04 W/kg

SAR(1 g) = 0.322 mW/g; SAR(10 g) = 0.134 mW/g

Reference Value = 2.31 V/m

Power Drift = 0.14 dB

Maximum value of SAR = 0.442 mW/g



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EUT Setup Configuration 1_Antenna A

DUT: Toshiba; Type: PA3297U-1MPC; Serial: N/A

DASY4 Configuration:

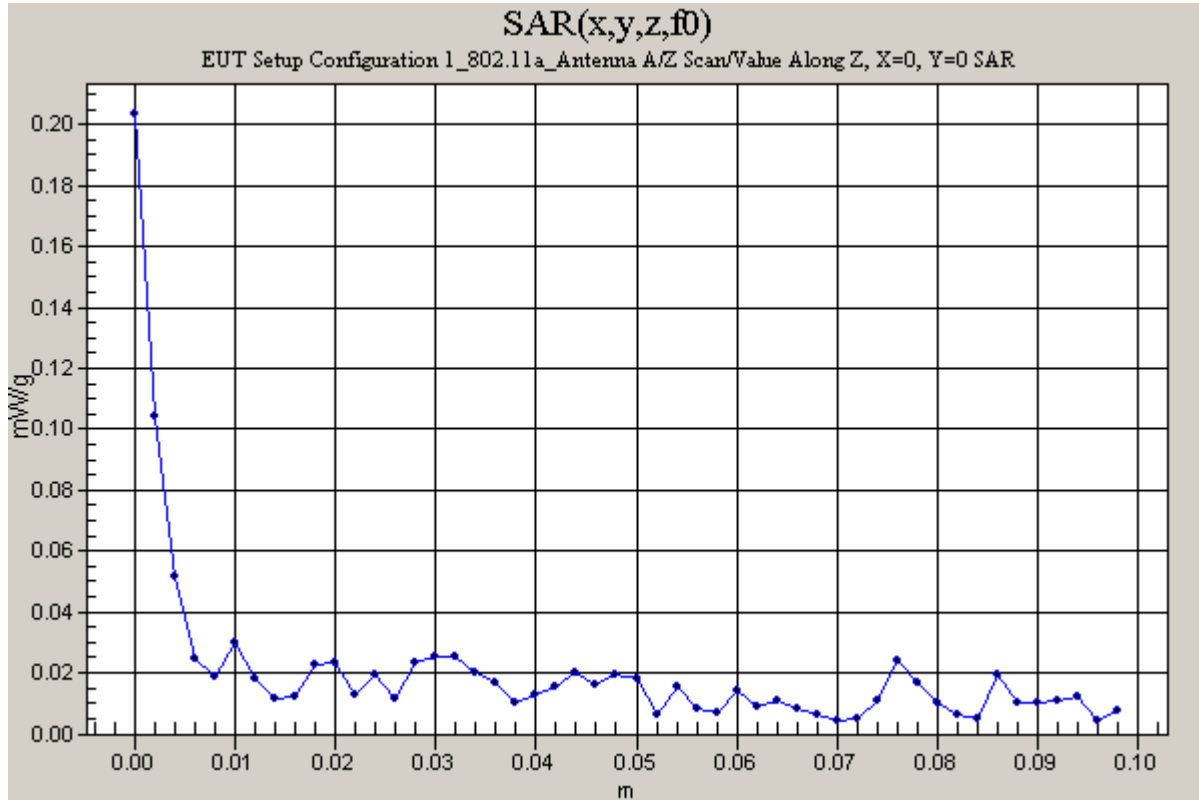
- Probe: ES3DV2 - SN3021; ConvF(1.1, 1.1, 1.1); Calibrated: 7/29/2003
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE3 Sn427; Calibrated: 2/4/2003
- Phantom: SAM 2; Type: SAM 2; Serial: 1050
- Measurement SW: DASY4, V4.1 Build 47; Postprocessing SW: SEMCAD, V1.8 Build 62

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

Reference Value = 2.31 V/m

Power Drift = -0.17 dB

Maximum value of SAR = 0.204 mW/g



Test Laboratory: Compliance Certification Services

EUT Setup Configuration 1_Antenna A

DUT: Toshiba; Type: PA3297U-1MPC; Serial: N/A

Program Name: EUT Setup 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 ($\sigma = 5.4347$ mho/m, $\epsilon_r = 48.6169$, $\rho = 1000$ kg/m³)

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

Reference Value = 1.55 V/m

Power Drift = 0.1 dB

Maximum value of SAR = 0.322 mW/g

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

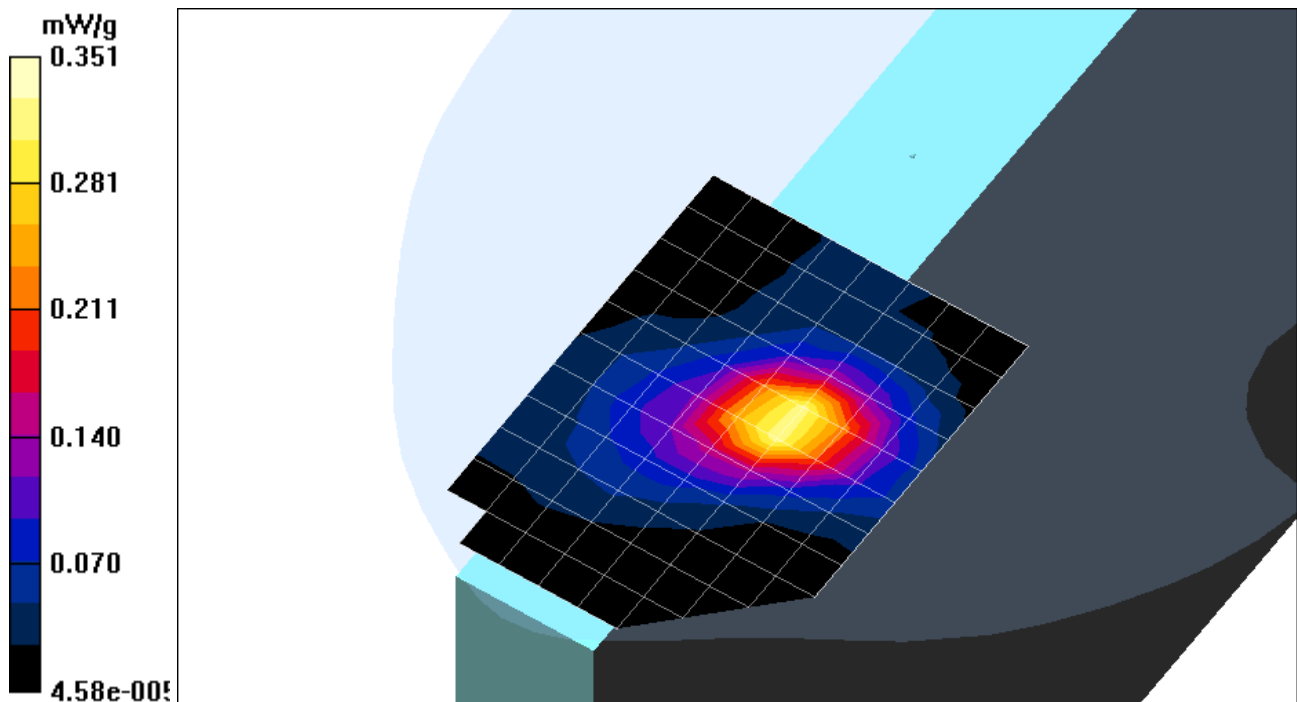
Peak SAR (extrapolated) = 0.845 W/kg

SAR(1 g) = 0.264 mW/g; SAR(10 g) = 0.105 mW/g

Reference Value = 1.55 V/m

Power Drift = 0.1 dB

Maximum value of SAR = 0.351 mW/g



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EUT Setup Configuration 1_Antenna A

DUT: Toshiba; Type: PA3297U-1MPC; Serial: N/A

DASY4 Configuration:

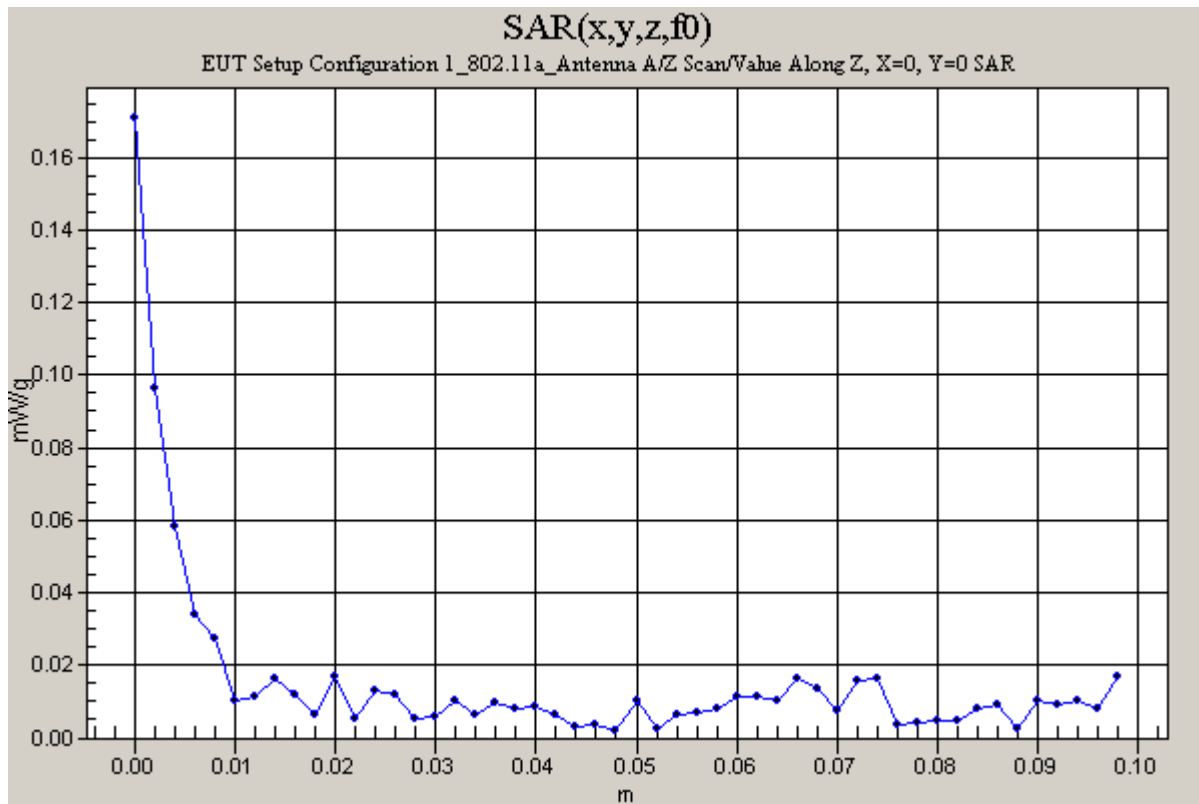
- Probe: ES3DV2 - SN3021; ConvF(1.4, 1.4, 1.4); Calibrated: 7/29/2003
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE3 Sn427; Calibrated: 2/4/2003
- Phantom: SAM 2; Type: SAM 2; Serial: 1050
- Measurement SW: DASY4, V4.1 Build 47; Postprocessing SW: SEMCAD, V1.8 Build 62

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

Reference Value = 1.55 V/m

Power Drift = 0.1 dB

Maximum value of SAR = 0.171 mW/g



Test Laboratory: Compliance Certification Services

EUT Setup Configuration 1_Antenna A

DUT: Toshiba; Type: PA3297U-1MPC; Serial: N/A

Program Name: EUT Setup Configuration 1_802.11a_Antenna A

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

Communication System: 802.11a; Frequency: 5760 MHz; Duty Cycle: 1:1

Medium: M5800MHz ($\sigma = 6.2984$ mho/m, $\epsilon_r = 47.0457$, $\rho = 1000$ kg/m³)

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

Co-location/Area Scan (9x13x1): Measurement grid: dx=10mm, dy=10mm

Reference Value = 2.35 V/m

Power Drift = 0.1 dB

Maximum value of SAR = 0.422 mW/g

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

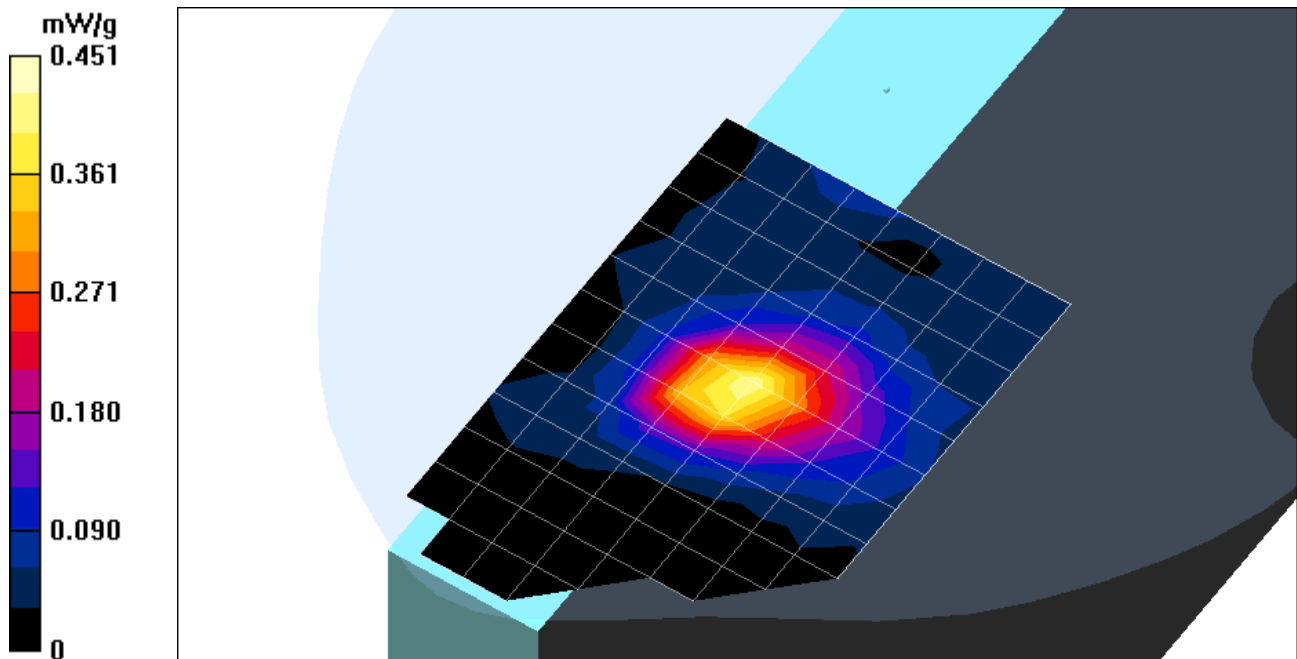
Peak SAR (extrapolated) = 1.05 W/kg

SAR(1 g) = 0.327 mW/g; SAR(10 g) = 0.131 mW/g

Reference Value = 2.35 V/m

Power Drift = 0.1 dB

Maximum value of SAR = 0.451 mW/g



Test Laboratory: Compliance Certification Services

EUT Setup Configuration 1_Antenna A

DUT: Toshiba; Type: PA3297U-1MPC; Serial: N/A

DASY4 Configuration:

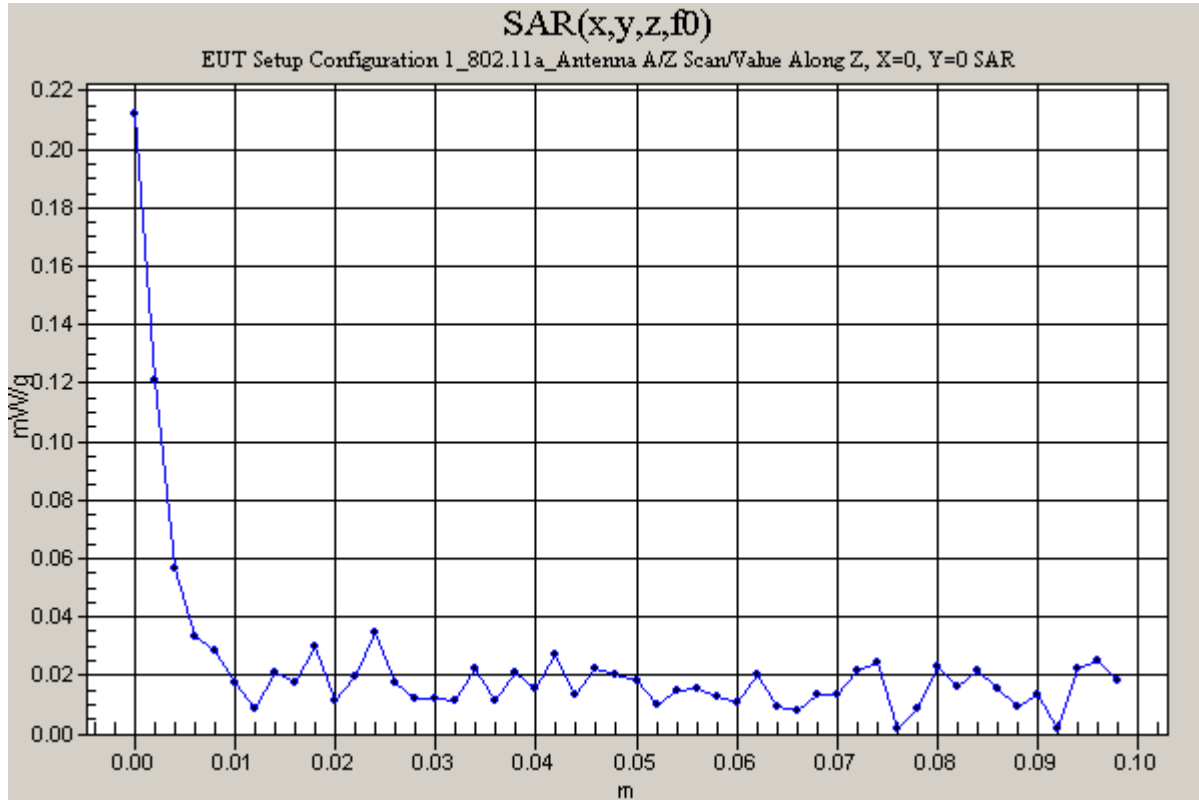
- Probe: ES3DV2 - SN3021; ConvF(1.1, 1.1, 1.1); Calibrated: 7/29/2003
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE3 Sn427; Calibrated: 2/4/2003
- Phantom: SAM 2; Type: SAM 2; Serial: 1050
- Measurement SW: DASY4, V4.1 Build 47; Postprocessing SW: SEMCAD, V1.8 Build 62

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

Reference Value = 2.35 V/m

Power Drift = 0.16 dB

Maximum value of SAR = 0.212 mW/g



Test Laboratory: Compliance Certification Services

EUT Setup Configuration 2_Antenna B

DUT: Toshiba; Type: PA3297U-1MPC; Serial: N/A

Program Name: EUT Setup 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 ($\sigma = 5.4347$ mho/m, $\epsilon_r = 48.6169$, $\rho = 1000$ kg/m³)

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 = 1.55 V/m

Power Drift = 0.18 dB

Maximum value of SAR = 0.238 mW/g

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

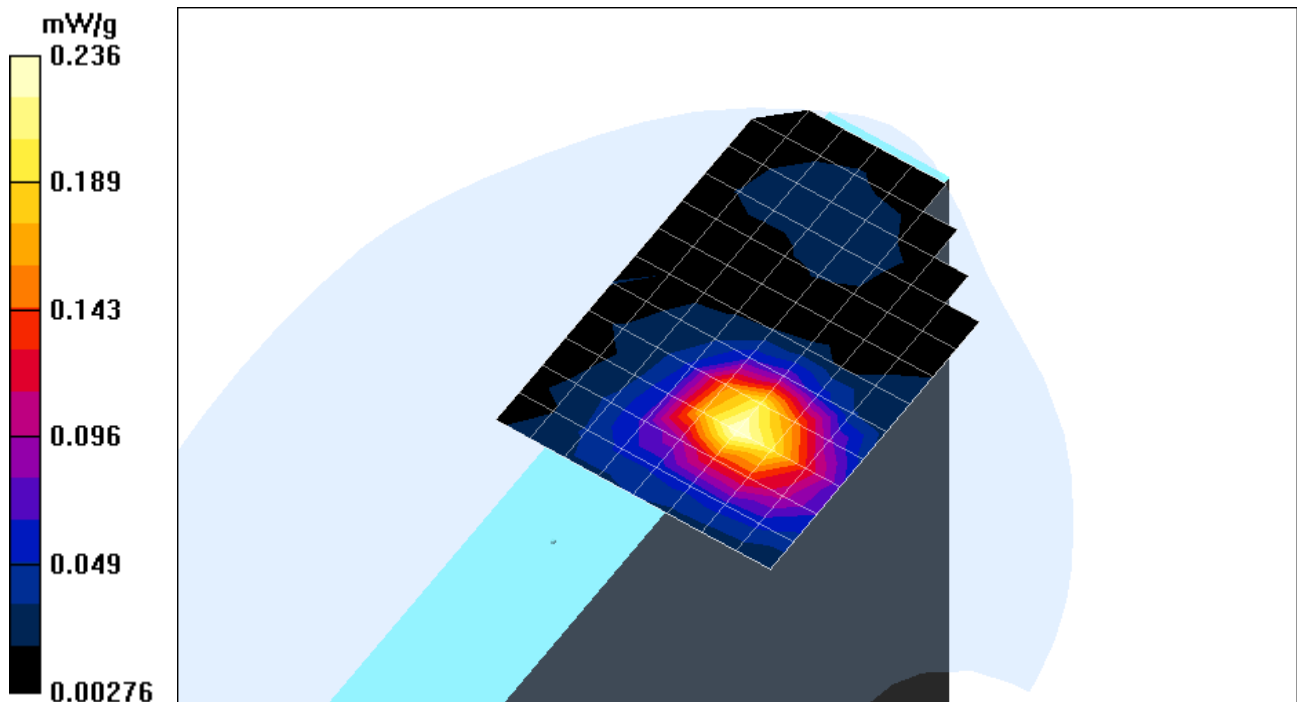
Peak SAR (extrapolated) = 0.579 W/kg

SAR(1 g) = 0.180 mW/g; SAR(10 g) = 0.081 mW/g

Reference Value = 1.55 V/m

Power Drift = 0.18 dB

Maximum value of SAR = 0.236 mW/g



Test Laboratory: Compliance Certification Services

EUT Setup Configuration 2_Antenna B

DUT: Toshiba; Type: PA3297U-1MPC; Serial: N/A

Program Name: EUT Setup 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 ($\sigma = 5.4347$ mho/m, $\epsilon_r = 48.6169$, $\rho = 1000$ kg/m³)

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 = 1.81 V/m

Power Drift = -0.12 dB

Maximum value of SAR = 0.243 mW/g

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

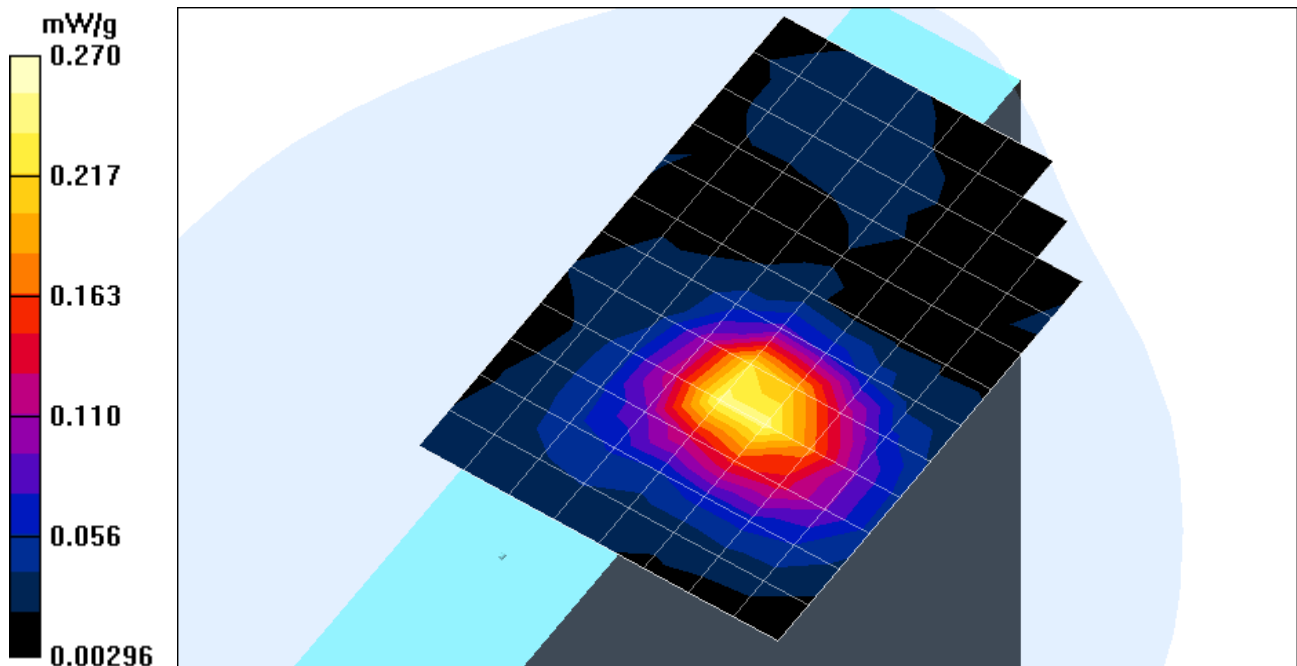
Peak SAR (extrapolated) = 0.697 W/kg

SAR(1 g) = 0.208 mW/g; SAR(10 g) = 0.091 mW/g

Reference Value = 1.81 V/m

Power Drift = -0.12 dB

Maximum value of SAR = 0.270 mW/g



Test Laboratory: Compliance Certification Services

EUT Setup Configuration 2_Antenna B

DUT: Toshiba; Type: PA3297U-1MPC; Serial: N/A

DASY4 Configuration:

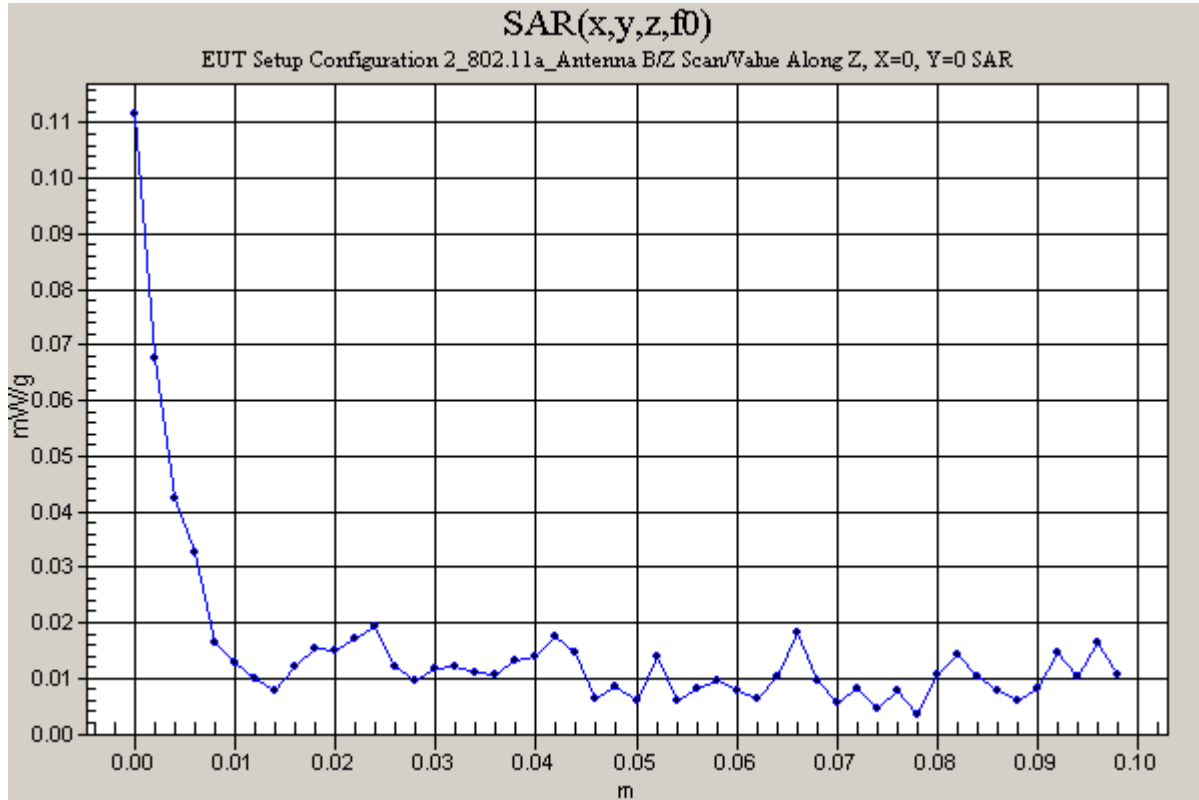
- Probe: ES3DV2 - SN3021; ConvF(1.4, 1.4, 1.4); Calibrated: 7/29/2003
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE3 Sn427; Calibrated: 2/4/2003
- Phantom: SAM 2; Type: SAM 2; Serial: 1050
- Measurement SW: DASY4, V4.1 Build 47; Postprocessing SW: SEMCAD, V1.8 Build 62

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

Reference Value = 1.81 V/m

Power Drift = 0.12 dB

Maximum value of SAR = 0.112 mW/g



Test Laboratory: Compliance Certification Services

EUT Setup Configuration 2_Antenna B

DUT: Toshiba; Type: PA3297U-1MPC; Serial: N/A

Program Name: EUT Setup Configuration 2_802.11a_Antenna B

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

Communication System: 802.11a; Frequency: 5760 MHz; Duty Cycle: 1:1

Medium: M5800MHz ($\sigma = 6.2984$ mho/m, $\epsilon_r = 47.0457$, $\rho = 1000$ kg/m³)

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 = 1.83 V/m

Power Drift = 0.12 dB

Maximum value of SAR = 0.274 mW/g

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

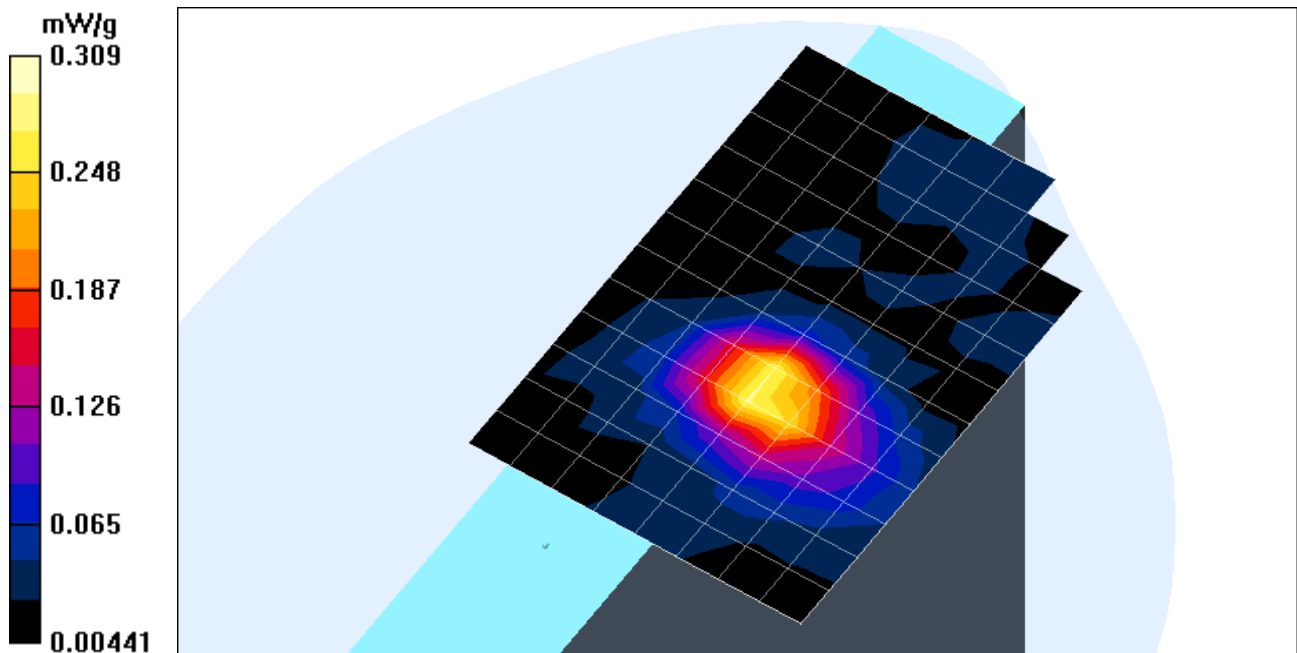
Peak SAR (extrapolated) = 1.13 W/kg

SAR(1 g) = 0.236 mW/g; SAR(10 g) = 0.103 mW/g

Reference Value = 1.83 V/m

Power Drift = 0.12 dB

Maximum value of SAR = 0.309 mW/g



Test Laboratory: Compliance Certification Services

EUT Setup Configuration 2_Antenna B

DUT: Toshiba; Type: PA3297U-1MPC; Serial: N/A

DASY4 Configuration:

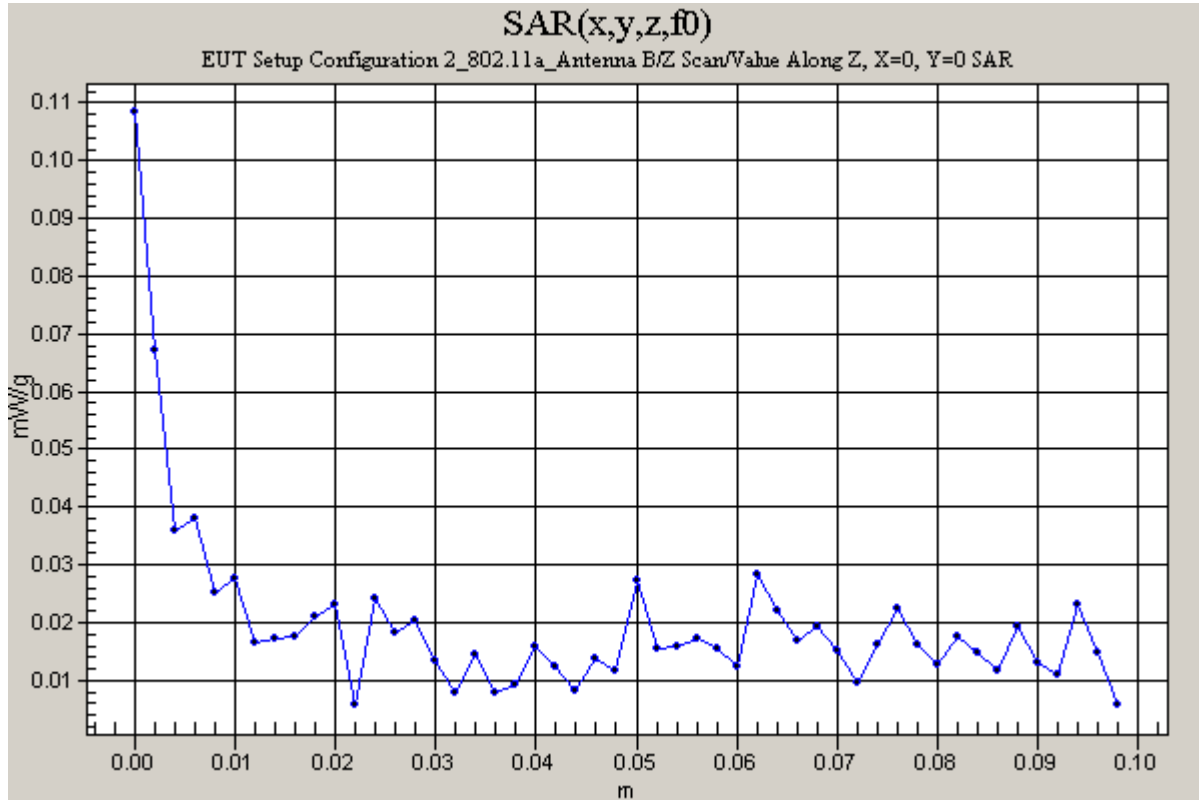
- Probe: ES3DV2 - SN3021; ConvF(1.1, 1.1, 1.1); Calibrated: 7/29/2003
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE3 Sn427; Calibrated: 2/4/2003
- Phantom: SAM 2; Type: SAM 2; Serial: 1050
- Measurement SW: DASY4, V4.1 Build 47; Postprocessing SW: SEMCAD, V1.8 Build 62

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

Reference Value = 1.83 V/m

Power Drift = 0.12 dB

Maximum value of SAR = 0.108 mW/g



Test Laboratory: Compliance Certification Services

EUT Setup Configuration 3_Antenna A

DUT: Toshiba; Type: PA3297U-1MPC; Serial: N/A

Program Name: EUT Setup Configuration 3_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 ($\sigma = 5.4347$ mho/m, $\epsilon_r = 48.6169$, $\rho = 1000$ kg/m³)

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 (10x13x1): Measurement grid: dx=10mm, dy=10mm

Reference Value = 1.49 V/m

Power Drift = 0.19 dB

Maximum value of SAR = 0.077 mW/g

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

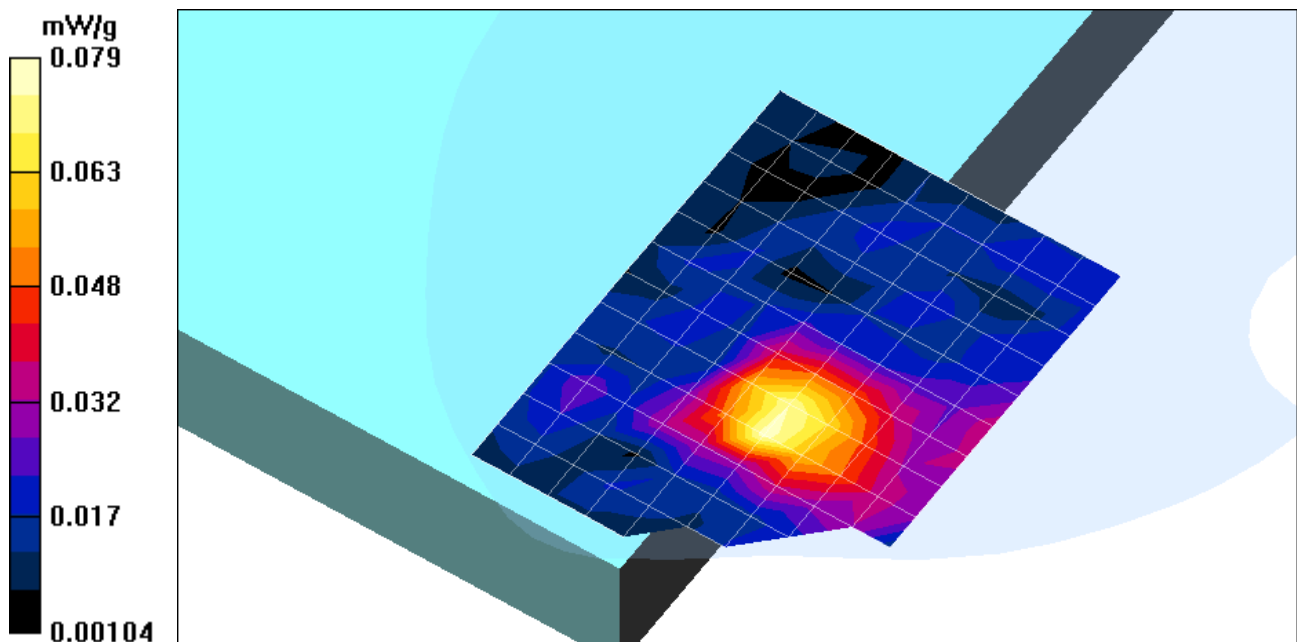
Peak SAR (extrapolated) = 0.516 W/kg

SAR(1 g) = 0.070 mW/g; SAR(10 g) = 0.034 mW/g

Reference Value = 1.49 V/m

Power Drift = 0.19 dB

Maximum value of SAR = 0.079 mW/g



Test Laboratory: Compliance Certification Services

EUT Setup Configuration 3_Antenna A

DUT: Toshiba; Type: PA3297U-1MPC; Serial: N/A

Program Name: EUT Setup Configuration 3_802.11a_Antenna A

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

Communication System: 802.11a; Frequency: 5760 MHz; Duty Cycle: 1:1

Medium: M5800MHz ($\sigma = 6.2984$ mho/m, $\epsilon_r = 47.0457$, $\rho = 1000$ kg/m³)

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 (10x13x1): Measurement grid: dx=10mm, dy=10mm

Reference Value = 2.26 V/m

Power Drift = -0.15 dB

Maximum value of SAR = 0.052 mW/g

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

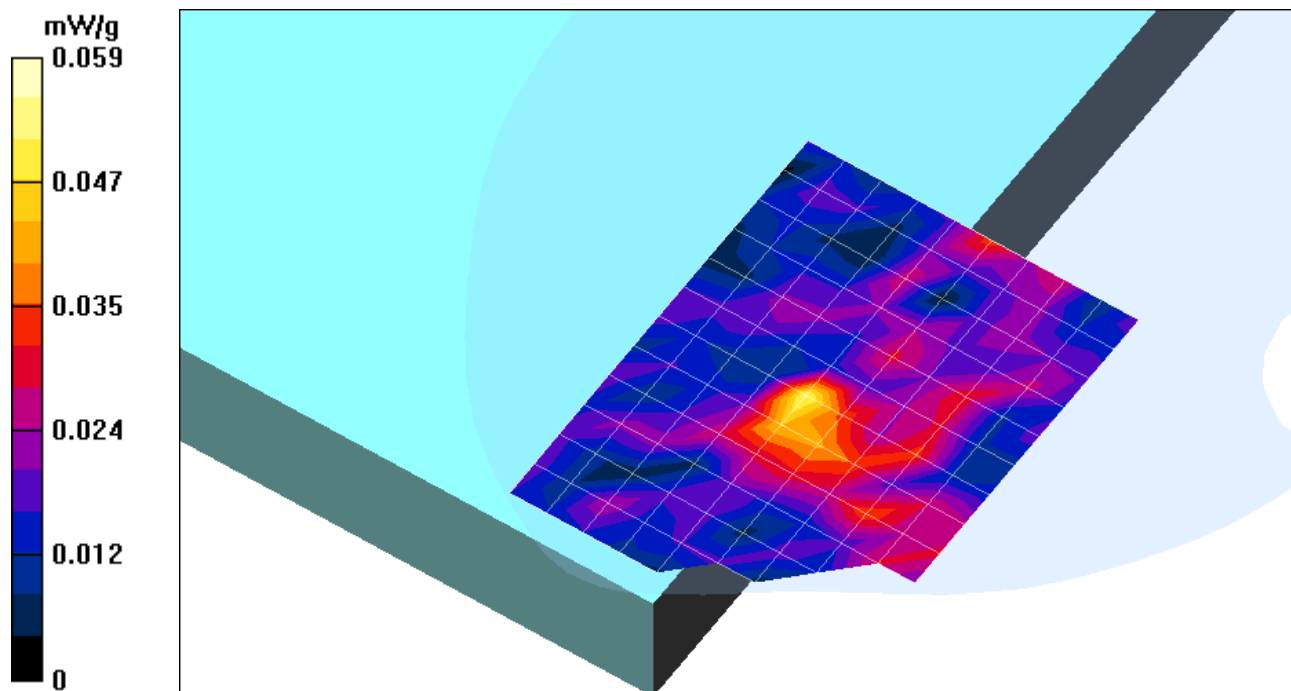
Peak SAR (extrapolated) = 480934.0 W/kg

SAR(1 g) = 0.084 mW/g; SAR(10 g) = 0.030 mW/g

Reference Value = 2.26 V/m

Power Drift = -0.15 dB

Maximum value of SAR = 0.059 mW/g



Test Laboratory: Compliance Certification Services

EUT Setup Configuration 4_Antenna B

DUT: Toshiba; Type: PA3297U-1MPC; Serial: N/A

Program Name: EUT Setup Configuration 4_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 ($\sigma = 5.4347$ mho/m, $\epsilon_r = 48.6169$, $\rho = 1000$ kg/m³)

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 (10x13x1): Measurement grid: dx=10mm, dy=10mm

Reference Value = 1.58 V/m

Power Drift = 0.12 dB

Maximum value of SAR = 0.045 mW/g

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

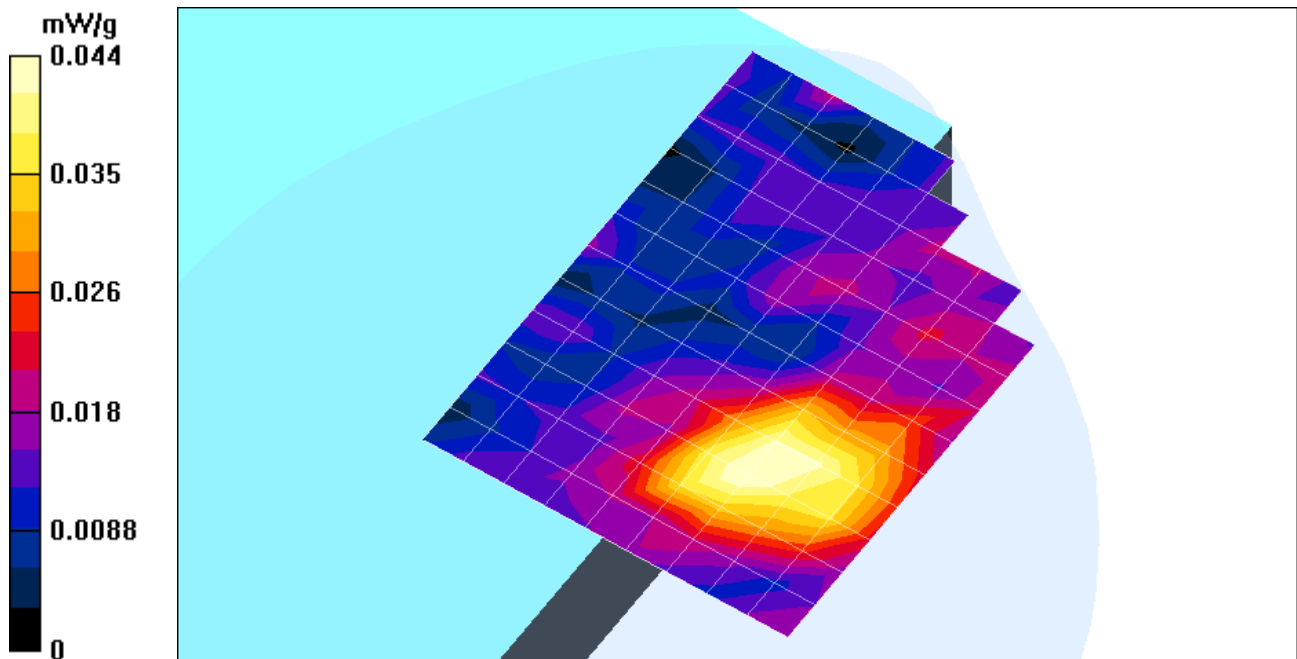
Peak SAR (extrapolated) = 0.880 W/kg

SAR(1 g) = 0.043 mW/g; SAR(10 g) = 0.022 mW/g

Reference Value = 1.58 V/m

Power Drift = 0.12 dB

Maximum value of SAR = 0.044 mW/g



Test Laboratory: Compliance Certification Services

EUT Setup Configuration 4_Antenna B

DUT: Toshiba; Type: PA3297U-1MPC; Serial: N/A

Program Name: EUT Setup Configuration 4_802.11a_Antenna B

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

Communication System: 802.11a; Frequency: 5760 MHz; Duty Cycle: 1:1

Medium: M5800MHz ($\sigma = 6.2984$ mho/m, $\epsilon_r = 47.0457$, $\rho = 1000$ kg/m³)

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 (10x13x1): Measurement grid: dx=10mm, dy=10mm

Reference Value = 1.88 V/m

Power Drift = -0.14 dB

Maximum value of SAR = 0.033 mW/g

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

Peak SAR (extrapolated) = 0.284 W/kg

SAR(1 g) = 0.029 mW/g; SAR(10 g) = 0.018 mW/g

Reference Value = 1.88 V/m

Power Drift = -0.14 dB

Maximum value of SAR = 0.045 mW/g

