

Test Laboratory: Compliance Certification Services

C1_B antenna

DUT: Toshiba; Type: PA3373U-1MPC; Serial: N/A

Ambient temperature = 24.5 deg. C; Liquid temperature = 23.0 deg. C

Communication System: 802.11bg; Frequency: 2437 MHz; Duty Cycle: 1:1

Medium parameters used (interpolated): $f = 2437$ MHz; $\sigma = 1.93$ mho/m; $\epsilon_r = 51.7$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Measurement Standard: DASY4 (High Precision Assessment)

DASY4 Configuration:

- Probe: ES3DV2 - SN3021; ConvF(4.1, 4.1, 4.1); Calibrated: 7/29/2003
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn500; Calibrated: 12/23/2003
- Phantom: SAM 2; Type: SAM 2; Serial: 1050
- Measurement SW: DASY4, V4.2 Build 12; Postprocessing SW: SEMCAD, V1.8 Build 94

Middle/Area Scan (7x11x1): Measurement grid: dx=15mm, dy=15mm

Middle/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm

Peak SAR (extrapolated) = 1.04 W/kg

SAR(1 g) = 0.458 mW/g; SAR(10 g) = 0.191 mW/g

Reference Value = 5.73 V/m

Power Drift = 0.1 dB

Maximum value of SAR = 0.551 mW/g

Middle/Zoom Scan (5x5x7)/Cube 1: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm

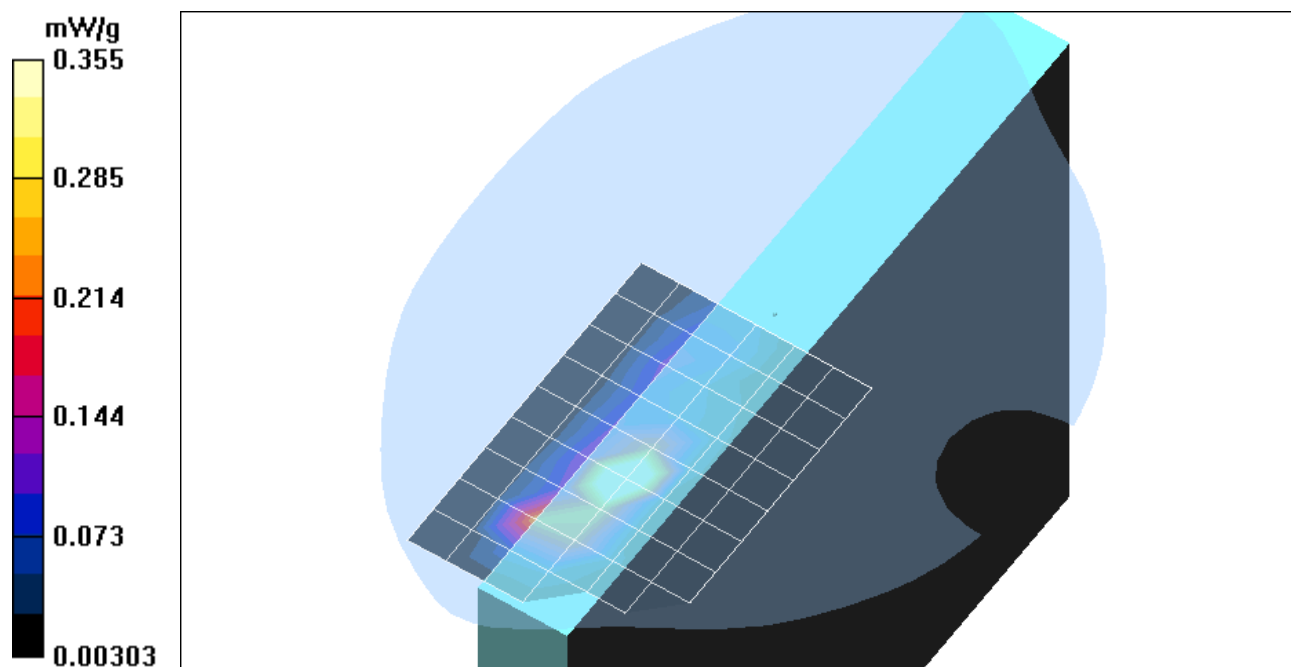
Peak SAR (extrapolated) = 0.657 W/kg

SAR(1 g) = 0.311 mW/g; SAR(10 g) = 0.139 mW/g

Reference Value = 5.73 V/m

Power Drift = 0.1 dB

Maximum value of SAR = 0.355 mW/g



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Communication System: 802.11bg; Frequency: 2437 MHz; Duty Cycle: 1:1

Medium parameters used (interpolated): $f = 2437$ MHz; $\sigma = 1.93$ mho/m; $\epsilon_r = 51.7$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Measurement Standard: DASY4 (High Precision Assessment)

DASY4 Configuration:

- Probe: ES3DV2 - SN3021; ConvF(4.1, 4.1, 4.1); Calibrated: 7/29/2003
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn500; Calibrated: 12/23/2003
- Phantom: SAM 2; Type: SAM 2; Serial: 1050
- Measurement SW: DASY4, V4.2 Build 12; Postprocessing SW: SEMCAD, V1.8 Build 94

Turbo mode; Middle/Area Scan (7x11x1): Measurement grid: $dx=15$ mm, $dy=15$ mm

Turbo mode; Middle/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=7.5$ mm, $dy=7.5$ mm, $dz=5$ mm

Peak SAR (extrapolated) = 1.23 W/kg

SAR(1 g) = 0.547 mW/g; SAR(10 g) = 0.232 mW/g

Reference Value = 6.12 V/m

Power Drift = 0.12 dB

Maximum value of SAR = 0.657 mW/g

Turbo mode; Middle/Zoom Scan (5x5x7)/Cube 1: Measurement grid: $dx=7.5$ mm, $dy=7.5$ mm, $dz=5$ mm

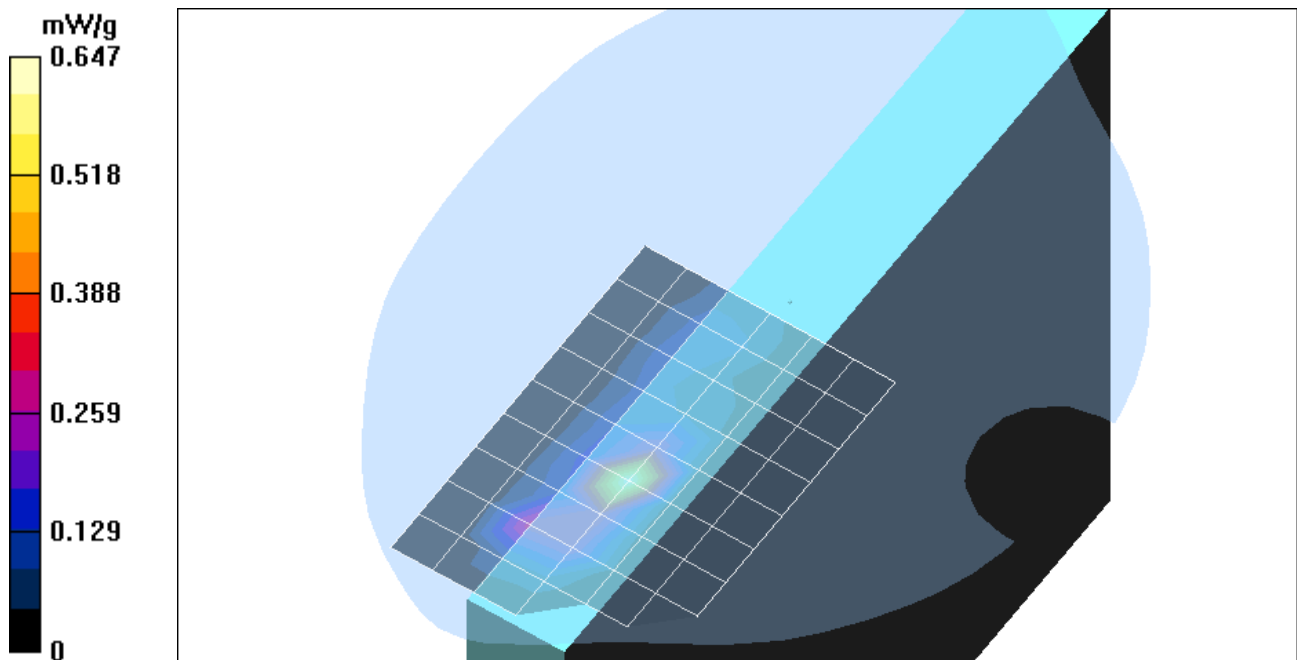
Peak SAR (extrapolated) = 0.794 W/kg

SAR(1 g) = 0.367 mW/g; SAR(10 g) = 0.164 mW/g

Reference Value = 6.12 V/m

Power Drift = 0.12 dB

Maximum value of SAR = 0.412 mW/g



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C1_B antenna

DUT: Toshiba; Type: PA3373U-1MPC; Serial: N/A

DASY4 Configuration:

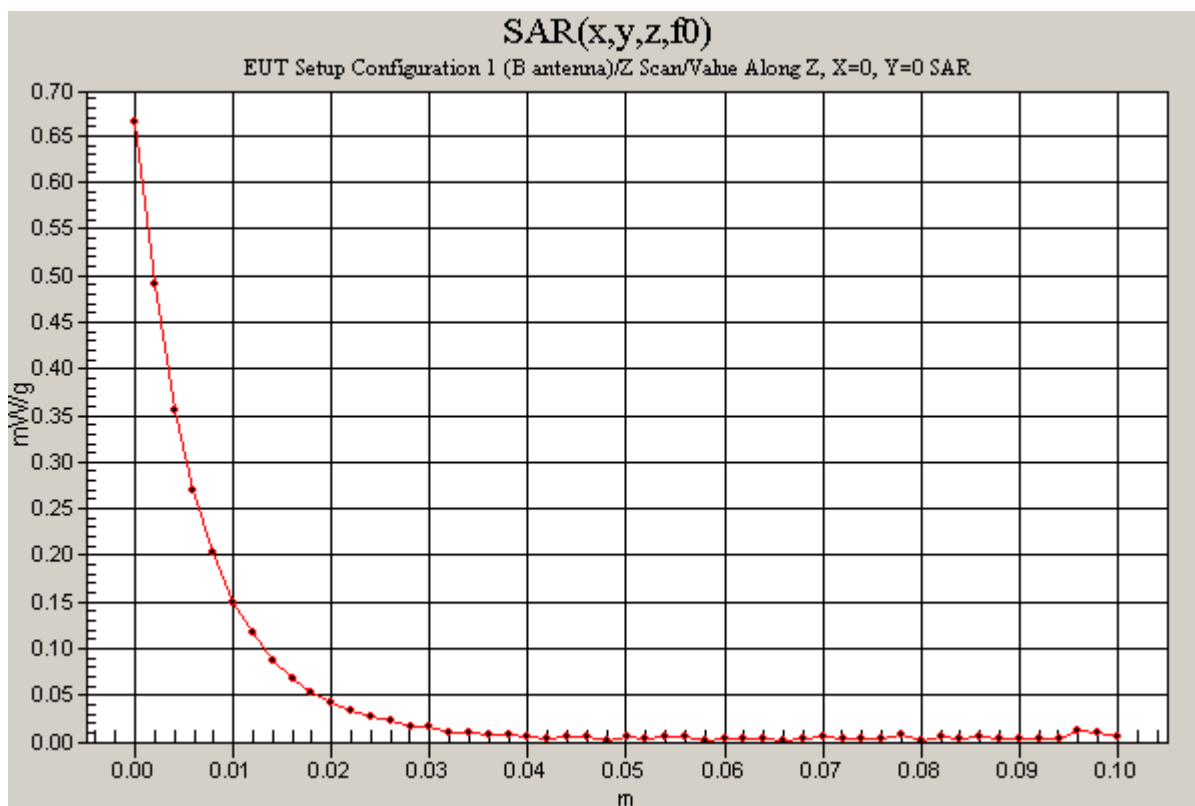
- Probe: ES3DV2 - SN3021; ConvF(4.1, 4.1, 4.1); Calibrated: 7/29/2003
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE3 Sn500; Calibrated: 12/23/2003
- Phantom: SAM 2; Type: SAM 2; Serial: 1050
- Measurement SW: DASY4, V4.2 Build 12; Postprocessing SW: SEMCAD, V1.8 Build 94

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

Reference Value = 6.12 V/m

Power Drift = 0.13 dB

Maximum value of SAR = 0.665 mW/g



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C1_B antenna

DUT: Toshiba; Type: PA3373U-1MPC; Serial: N/A

Ambient temperature = 24.5 deg. C; Liquid temperature = 23.0 deg. C

Communication System: 802.11bg; Frequency: 2437 MHz; Duty Cycle: 1:1

Medium parameters used (interpolated): $f = 2437$ MHz; $\sigma = 1.93$ mho/m; $\epsilon_r = 51.7$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Measurement Standard: DASY4 (High Precision Assessment)

DASY4 Configuration:

- Probe: ES3DV2 - SN3021; ConvF(4.1, 4.1, 4.1); Calibrated: 7/29/2003
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn500; Calibrated: 12/23/2003
- Phantom: SAM 2; Type: SAM 2; Serial: 1050
- Measurement SW: DASY4, V4.2 Build 12; Postprocessing SW: SEMCAD, V1.8 Build 94

Co-location; Turbo mode; Middle/Area Scan (7x11x1): Measurement grid: dx=15mm, dy=15mm

Co-location; Turbo mode; Middle/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm

Peak SAR (extrapolated) = 1.47 W/kg

SAR(1 g) = 0.639 mW/g; SAR(10 g) = 0.264 mW/g

Reference Value = 5.59 V/m

Power Drift = 0.16 dB

Maximum value of SAR = 0.716 mW/g

Co-location; Turbo mode; Middle/Zoom Scan (5x5x7)/Cube 1: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm

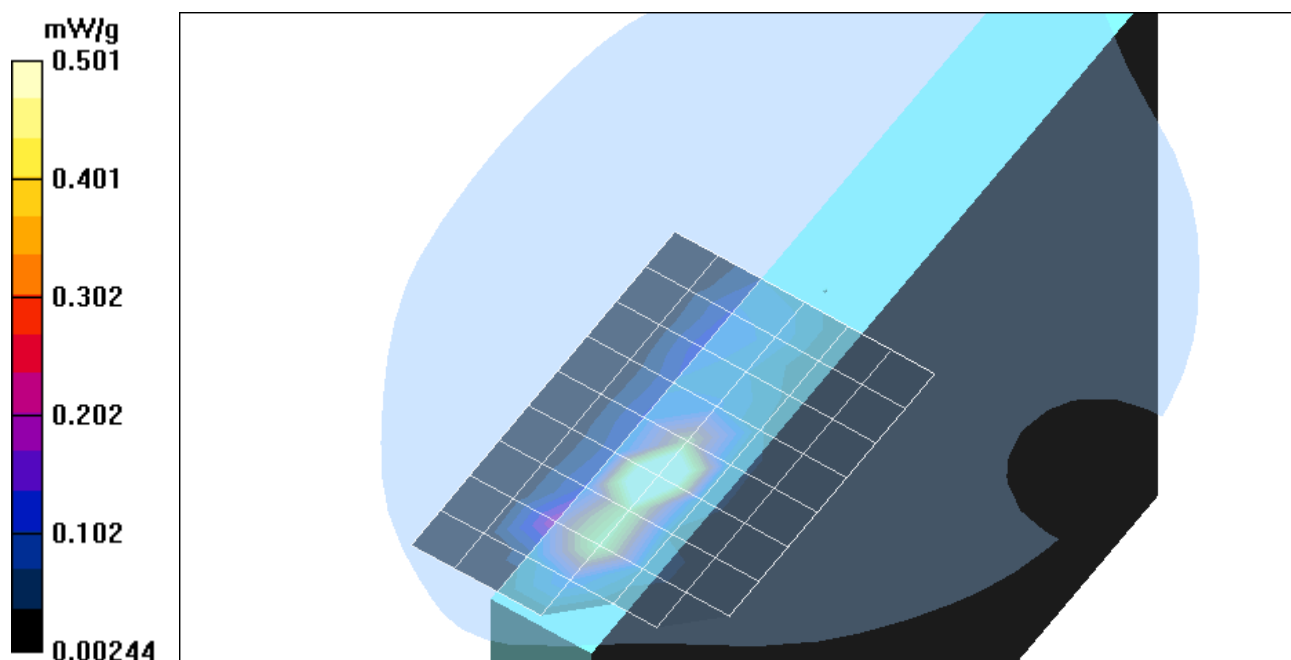
Peak SAR (extrapolated) = 0.987 W/kg

SAR(1 g) = 0.424 mW/g; SAR(10 g) = 0.191 mW/g

Reference Value = 5.59 V/m

Power Drift = 0.16 dB

Maximum value of SAR = 0.501 mW/g



Test Laboratory: Compliance Certification Services

C1_B antenna

DUT: Toshiba; Type: PA3373U-1MPC; Serial: N/A

DASY4 Configuration:

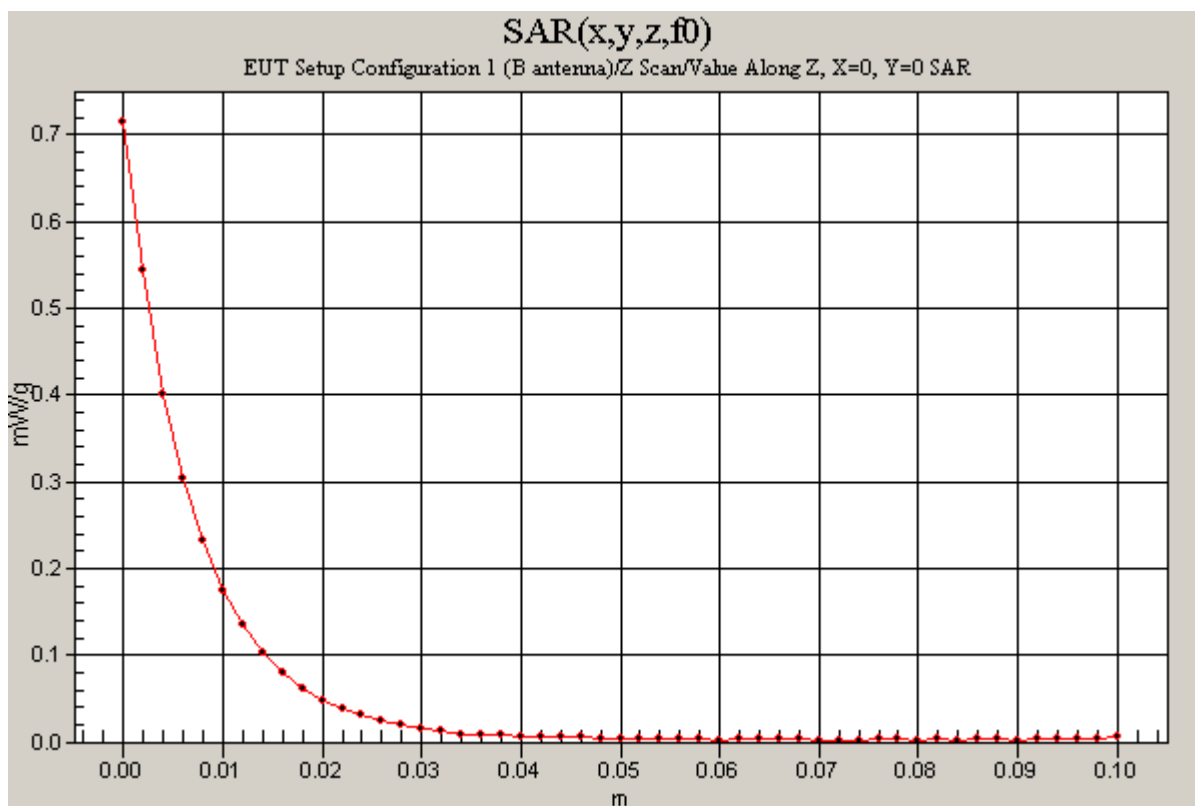
- Probe: ES3DV2 - SN3021; ConvF(4.1, 4.1, 4.1); Calibrated: 7/29/2003
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE3 Sn500; Calibrated: 12/23/2003
- Phantom: SAM 2; Type: SAM 2; Serial: 1050
- Measurement SW: DASY4, V4.2 Build 12; Postprocessing SW: SEMCAD, V1.8 Build 94

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

Reference Value = 5.59 V/m

Power Drift = 0.15 dB

Maximum value of SAR = 0.714 mW/g



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C2_A antenna

DUT: Toshiba; Type: PA3373U-1MPC; Serial: N/A

Ambient temperature = 24.5 deg. C; Liquid temperature = 23.0 deg. C

Communication System: 802.11bg; Frequency: 2437 MHz; Duty Cycle: 1:1

Medium parameters used (interpolated): $f = 2437$ MHz; $\sigma = 1.93$ mho/m; $\epsilon_r = 51.7$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Measurement Standard: DASY4 (High Precision Assessment)

DASY4 Configuration:

- Probe: ES3DV2 - SN3021; ConvF(4.1, 4.1, 4.1); Calibrated: 7/29/2003
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn500; Calibrated: 12/23/2003
- Phantom: SAM 2; Type: SAM 2; Serial: 1050
- Measurement SW: DASY4, V4.2 Build 12; Postprocessing SW: SEMCAD, V1.8 Build 94

Middle/Area Scan (7x11x1): Measurement grid: dx=15mm, dy=15mm

Middle/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm

Peak SAR (extrapolated) = 0.626 W/kg

SAR(1 g) = 0.293 mW/g; SAR(10 g) = 0.121 mW/g

Reference Value = 4.46 V/m

Power Drift = -0.1 dB

Maximum value of SAR = 0.320 mW/g

Middle/Zoom Scan (5x5x7)/Cube 1: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm

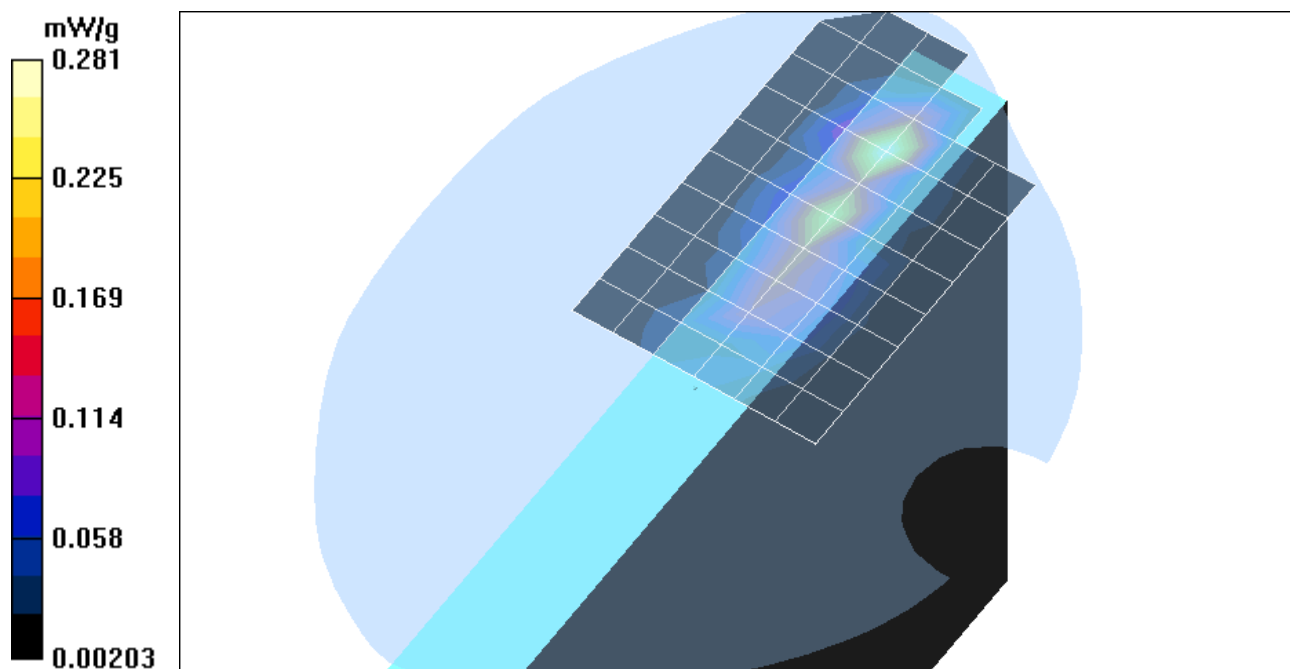
Peak SAR (extrapolated) = 0.485 W/kg

SAR(1 g) = 0.214 mW/g; SAR(10 g) = 0.098 mW/g

Reference Value = 4.46 V/m

Power Drift = -0.1 dB

Maximum value of SAR = 0.281 mW/g



Test Laboratory: Compliance Certification Services

C2_A antenna

DUT: Toshiba; Type: PA3373U-1MPC; Serial: N/A

Ambient temperature = 24.5 deg. C; Liquid temperature = 23.0 deg. C

Communication System: 802.11bg; Frequency: 2437 MHz; Duty Cycle: 1:1

Medium parameters used (interpolated): $f = 2437$ MHz; $\sigma = 1.93$ mho/m; $\epsilon_r = 51.7$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Measurement Standard: DASY4 (High Precision Assessment)

DASY4 Configuration:

- Probe: ES3DV2 - SN3021; ConvF(4.1, 4.1, 4.1); Calibrated: 7/29/2003
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn500; Calibrated: 12/23/2003
- Phantom: SAM 2; Type: SAM 2; Serial: 1050
- Measurement SW: DASY4, V4.2 Build 12; Postprocessing SW: SEMCAD, V1.8 Build 94

Turbo mode; Middle/Area Scan (7x11x1): Measurement grid: $dx=15$ mm, $dy=15$ mm

Turbo mode; Middle/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=7.5$ mm, $dy=7.5$ mm, $dz=5$ mm

Peak SAR (extrapolated) = 0.780 W/kg

SAR(1 g) = 0.367 mW/g; SAR(10 g) = 0.153 mW/g

Reference Value = 4.94 V/m

Power Drift = -0.0 dB

Maximum value of SAR = 0.439 mW/g

Turbo mode; Middle/Zoom Scan (5x5x7)/Cube 1: Measurement grid: $dx=7.5$ mm, $dy=7.5$ mm, $dz=5$ mm

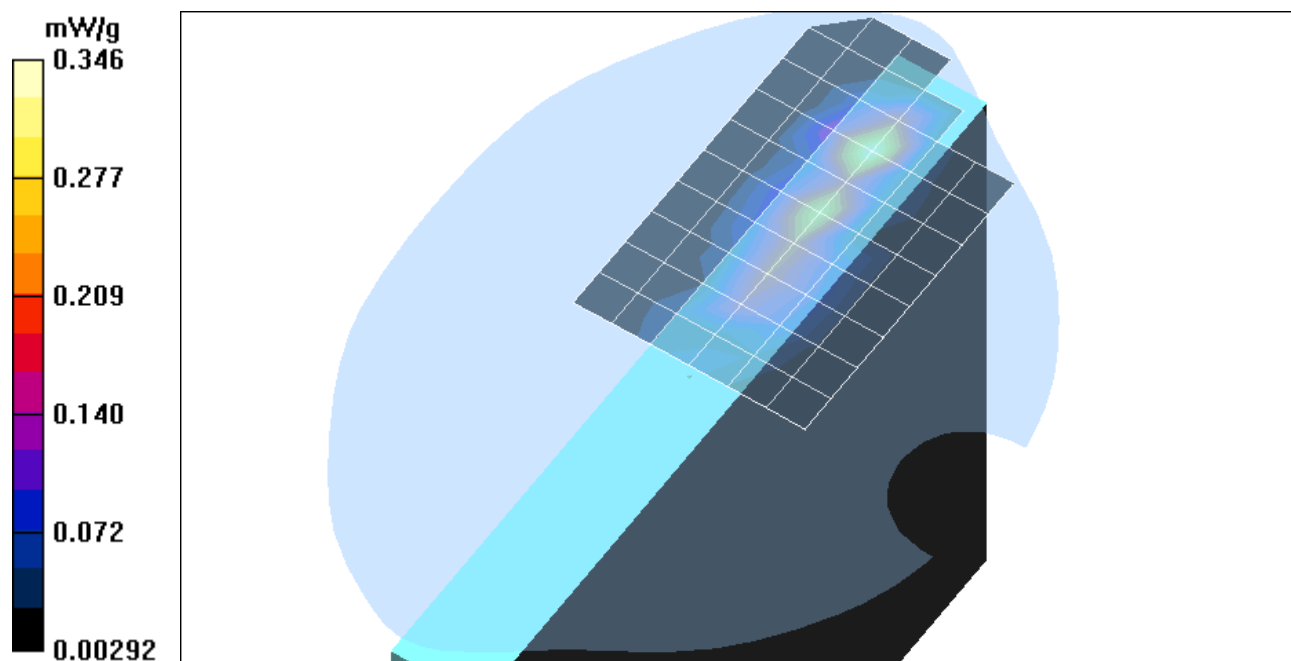
Peak SAR (extrapolated) = 0.607 W/kg

SAR(1 g) = 0.266 mW/g; SAR(10 g) = 0.122 mW/g

Reference Value = 4.94 V/m

Power Drift = -0.0 dB

Maximum value of SAR = 0.346 mW/g



Test Laboratory: Compliance Certification Services

C3_B antenna

DUT: Toshiba; Type: PA3373U-1MPC; Serial: N/A

Ambient temperature = 24.5 deg. C; Liquid temperature = 23.0 deg. C

Communication System: 802.11bg; Frequency: 2437 MHz; Duty Cycle: 1:1

Medium parameters used (interpolated): $f = 2437$ MHz; $\sigma = 1.95$ mho/m; $\epsilon_r = 51.4$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Measurement Standard: DASY4 (High Precision Assessment)

DASY4 Configuration:

- Probe: ES3DV2 - SN3021; ConvF(4.1, 4.1, 4.1); Calibrated: 7/29/2003
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn500; Calibrated: 12/23/2003
- Phantom: SAM 2; Type: SAM 2; Serial: 1050
- Measurement SW: DASY4, V4.2 Build 12; Postprocessing SW: SEMCAD, V1.8 Build 94

Turbo mode; Middle/Area Scan (9x13x1): Measurement grid: $dx=15$ mm, $dy=15$ mm

Turbo mode; Middle/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=7.5$ mm, $dy=7.5$ mm, $dz=5$ mm

Peak SAR (extrapolated) = 0.00502 W/kg

SAR(1 g) = 0.00186 mW/g; SAR(10 g) = 0.00153 mW/g

Reference Value = 0.735 V/m

Power Drift = 0.11 dB

Maximum value of SAR = 0.00331 mW/g

Turbo mode; Middle/Zoom Scan (5x5x7)/Cube 1: Measurement grid: $dx=7.5$ mm, $dy=7.5$ mm, $dz=5$ mm

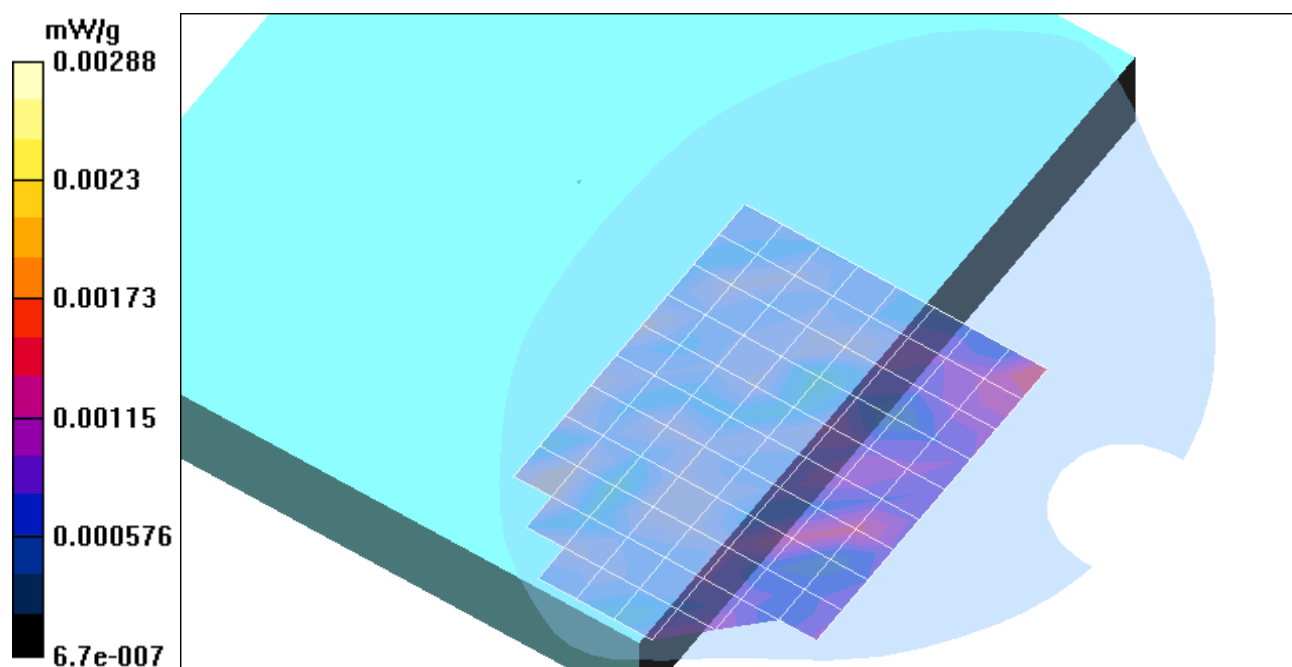
Peak SAR (extrapolated) = 0.00407 W/kg

SAR(1 g) = 0.00171 mW/g; SAR(10 g) = 0.00136 mW/g

Reference Value = 0.735 V/m

Power Drift = 0.11 dB

Maximum value of SAR = 0.00288 mW/g



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C4_A antenna

DUT: Toshiba; Type: PA3373U-1MPC; Serial: N/A

Ambient temperature = 24.5 deg. C; Liquid temperature = 23.0 deg. C

Communication System: 802.11bg; Frequency: 2437 MHz; Duty Cycle: 1:1

Medium parameters used (interpolated): $f = 2437$ MHz; $\sigma = 1.95$ mho/m; $\epsilon_r = 51.4$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Measurement Standard: DASY4 (High Precision Assessment)

DASY4 Configuration:

- Probe: ES3DV2 - SN3021; ConvF(4.1, 4.1, 4.1); Calibrated: 7/29/2003
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn500; Calibrated: 12/23/2003
- Phantom: SAM 2; Type: SAM 2; Serial: 1050
- Measurement SW: DASY4, V4.2 Build 12; Postprocessing SW: SEMCAD, V1.8 Build 94

Middle/Area Scan (9x12x1): Measurement grid: dx=15mm, dy=15mm

Middle/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm

Peak SAR (extrapolated) = 0.0036 W/kg

SAR(1 g) = 0.00206 mW/g; SAR(10 g) = 0.00173 mW/g

Reference Value = 0.999 V/m

Power Drift = 0.15 dB

Maximum value of SAR = 0.0036 mW/g

Middle/Zoom Scan (5x5x7)/Cube 1: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm

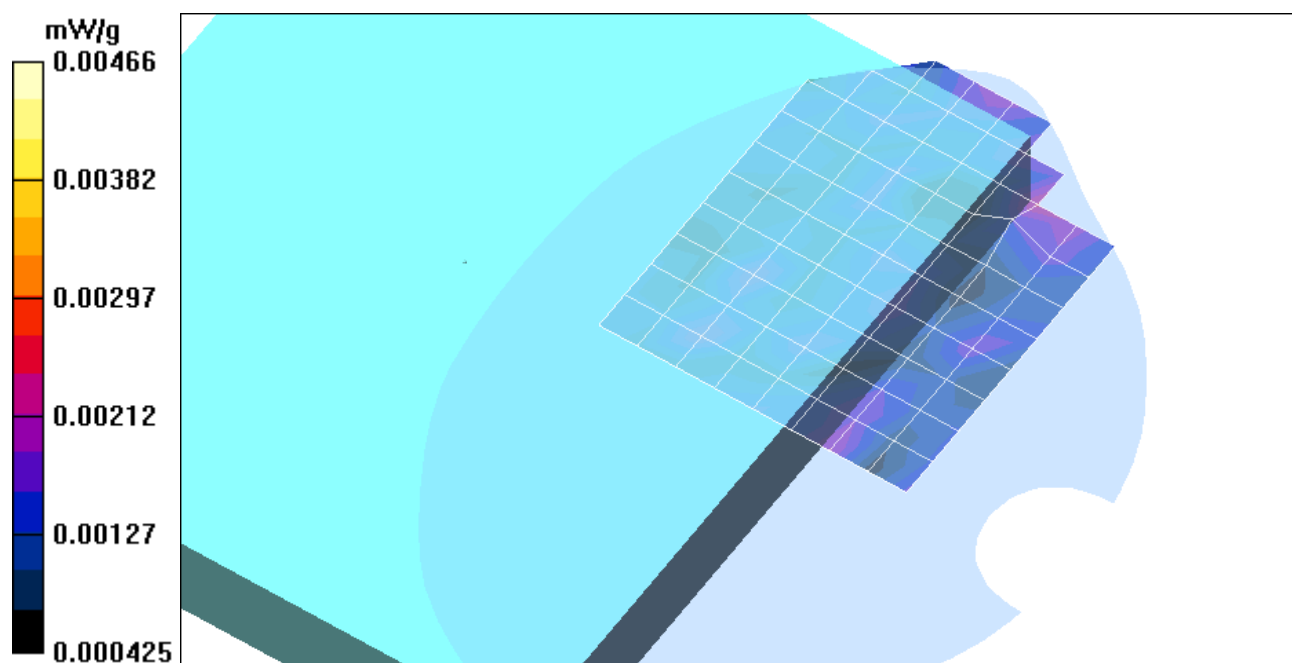
Peak SAR (extrapolated) = 0.00466 W/kg

SAR(1 g) = 0.00241 mW/g; SAR(10 g) = 0.0017 mW/g

Reference Value = 0.999 V/m

Power Drift = 0.15 dB

Maximum value of SAR = 0.00466 mW/g



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C4_A antenna

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Ambient temperature = 24.5 deg. C; Liquid temperature = 23.0 deg. C

Communication System: 802.11bg; Frequency: 2437 MHz; Duty Cycle: 1:1

Medium parameters used (interpolated): $f = 2437$ MHz; $\sigma = 1.95$ mho/m; $\epsilon_r = 51.4$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Measurement Standard: DASY4 (High Precision Assessment)

DASY4 Configuration:

- Probe: ES3DV2 - SN3021; ConvF(4.1, 4.1, 4.1); Calibrated: 7/29/2003
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn500; Calibrated: 12/23/2003
- Phantom: SAM 2; Type: SAM 2; Serial: 1050
- Measurement SW: DASY4, V4.2 Build 12; Postprocessing SW: SEMCAD, V1.8 Build 94

Turbo mode; Middle/Area Scan (9x11x1): Measurement grid: dx=15mm, dy=15mm

Turbo mode; Middle/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm

Peak SAR (extrapolated) = 0.00387 W/kg

SAR(1 g) = 0.00276 mW/g; SAR(10 g) = 0.00214 mW/g

Reference Value = 0.817 V/m

Power Drift = 0.17 dB

Maximum value of SAR = 0.00383 mW/g

Turbo mode; Middle/Zoom Scan (5x5x7)/Cube 1: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm

Peak SAR (extrapolated) = 0.00488 W/kg

SAR(1 g) = 0.00255 mW/g; SAR(10 g) = 0.00204 mW/g

Reference Value = 0.817 V/m

Power Drift = 0.17 dB

Maximum value of SAR = 0.00345 mW/g

