

Test Laboratory: Compliance Certification Services

EUT Setup Configuration 1_Antenna 1

DUT: Toshiba; Type: PA3234U-1MPC; Serial: N/A

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

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

Communication System: 802.11a; Frequency: 5180 MHz; Duty Cycle: 1:1

Medium: M5200MHz ($\sigma = 5.4214$ mho/m, $\epsilon_r = 48.9201$, $\rho = 1000$ 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

Low/Area Scan (11x29x1): Measurement grid: dx=10mm, dy=10mm

Reference Value = 1.88 V/m

Power Drift = -0.1 dB

Maximum value of SAR = 0.133 mW/g

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

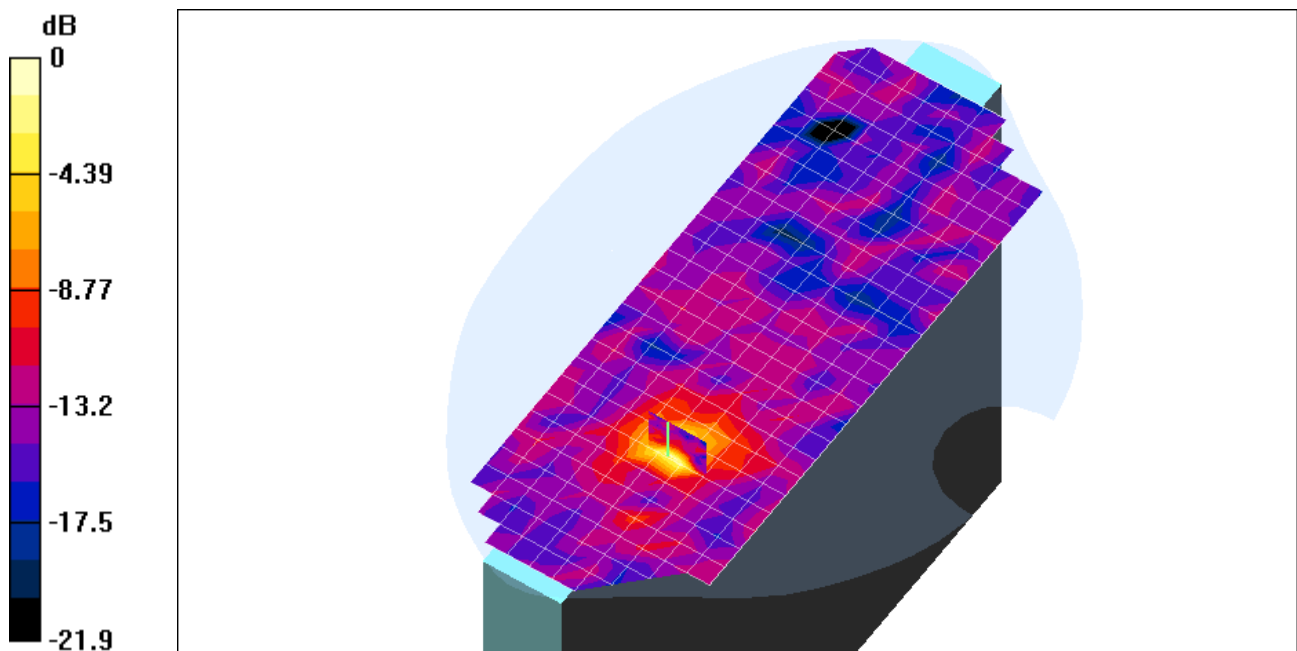
Peak SAR (extrapolated) = 1.22 W/kg

SAR(1 g) = 0.148 mW/g; SAR(10 g) = 0.044 mW/g

Reference Value = 1.88 V/m

Power Drift = -0.1 dB

Maximum value of SAR = 0.221 mW/g



0 dB = 0.221mW/g

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EUT Setup Configuration 1_Antenna 1

DUT: Toshiba; Type: PA3234U-1MPC; Serial: N/A

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

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 ($\sigma = 5.4214$ mho/m, $\epsilon_r = 48.9201$, $\rho = 1000$ 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 (11x15x1): Measurement grid: dx=10mm, dy=10mm

Reference Value = 1.63 V/m

Power Drift = -0.13 dB

Maximum value of SAR = 0.157 mW/g

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

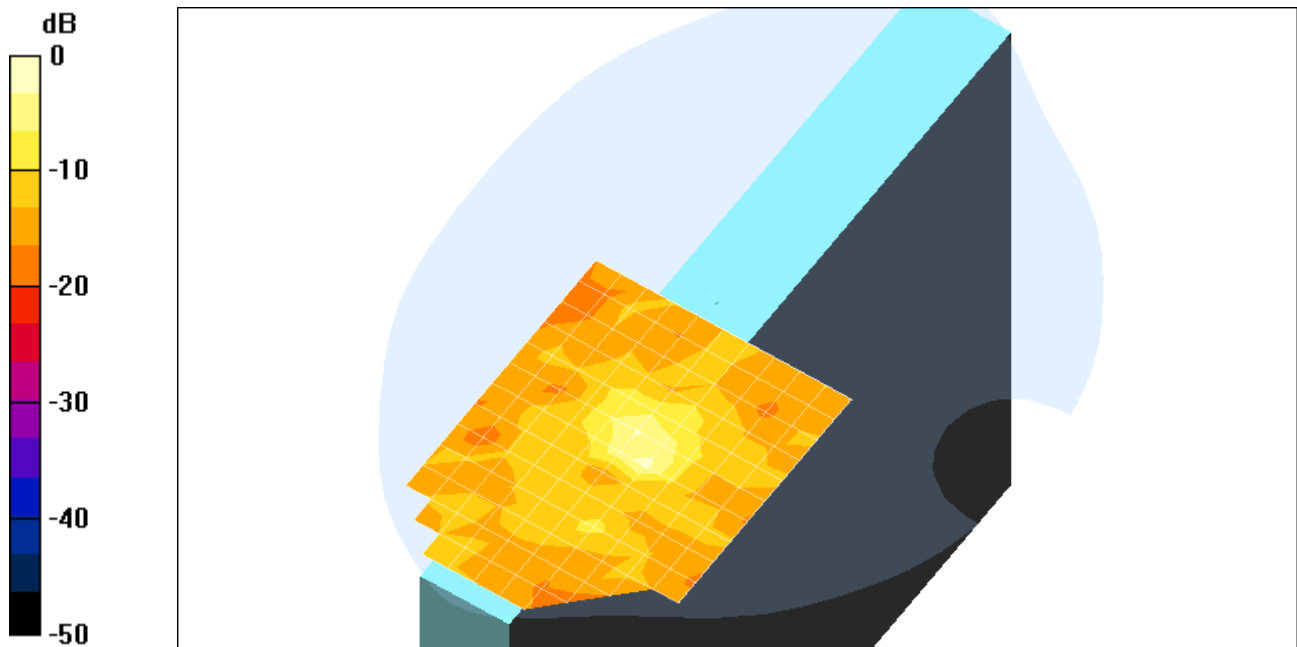
Peak SAR (extrapolated) = 1 W/kg

SAR(1 g) = 0.175 mW/g; SAR(10 g) = 0.049 mW/g

Reference Value = 1.63 V/m

Power Drift = -0.13 dB

Maximum value of SAR = 0.266 mW/g



0 dB = 0.266mW/g

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EUT Setup Configuration 1_Antenna 1

DUT: Toshiba; Type: PA3234U-1MPC; Serial: N/A

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

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

Communication System: 802.11a; Frequency: 5320 MHz; Duty Cycle: 1:1

Medium: M5200MHz ($\sigma = 5.4214$ mho/m, $\epsilon_r = 48.9201$, $\rho = 1000$ 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

High/Area Scan (9x15x1): Measurement grid: dx=10mm, dy=10mm

Reference Value = 1.41 V/m

Power Drift = -0.1 dB

Maximum value of SAR = 0.255 mW/g

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

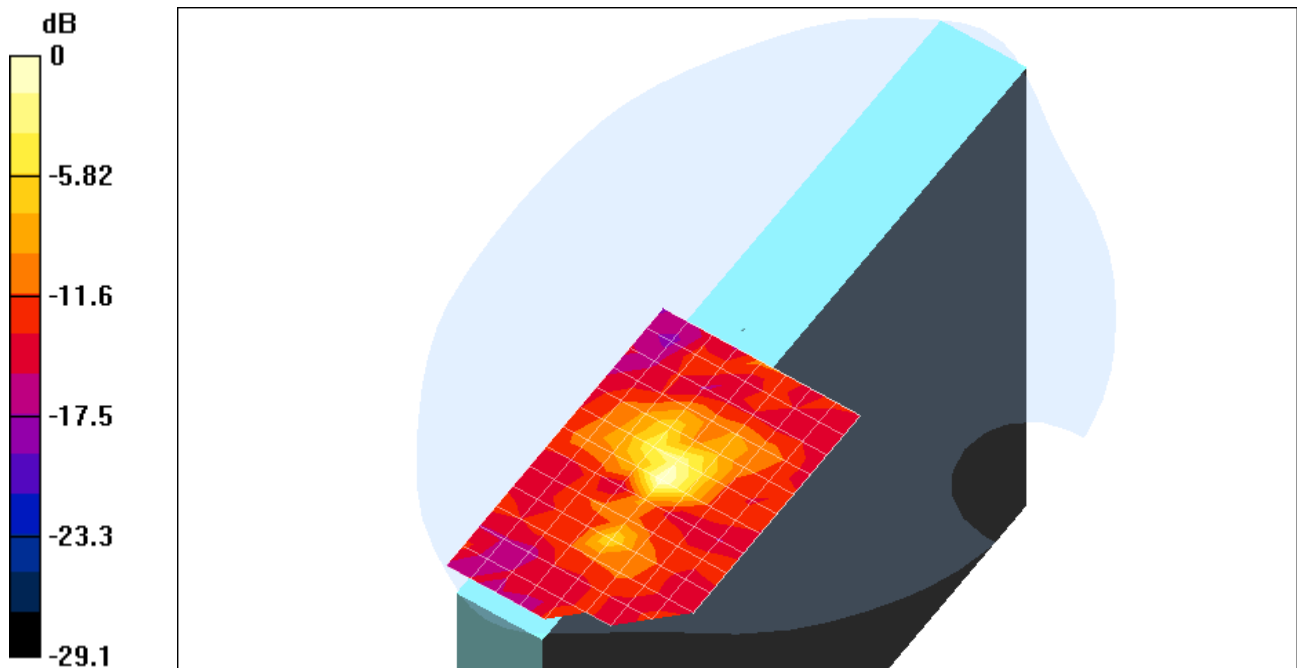
Peak SAR (extrapolated) = 1.25 W/kg

SAR(1 g) = 0.180 mW/g; SAR(10 g) = 0.051 mW/g

Reference Value = 1.41 V/m

Power Drift = -0.1 dB

Maximum value of SAR = 0.244 mW/g



0 dB = 0.244mW/g

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EUT Setup Configuration 1_Antenna 1

DUT: Toshiba; Type: PA3234U-1MPC; Serial: N/A

DASY4 Configuration:

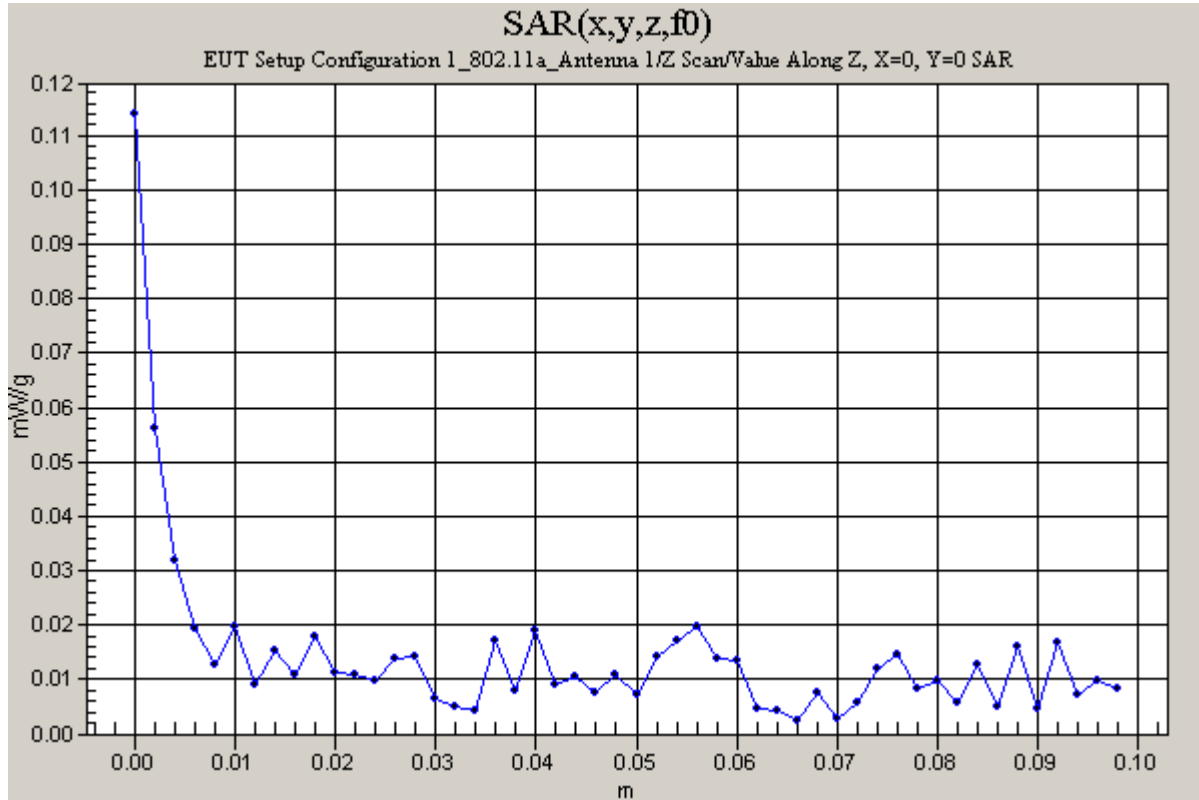
- Probe: ES3DV2 - SN3021; ConvF(1.4, 1.4, 1.4); Calibrated: 7/29/2003
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE3 Sn427; Calibrated: 2/4/2003
- Phantom: SAM 2; Type: SAM 2; Serial: 1050
- Measurement SW: DASY4, V4.1 Build 47; Postprocessing SW: SEMCAD, V1.8 Build 62

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

Reference Value = 1.41 V/m

Power Drift = -0.17 dB

Maximum value of SAR = 0.114 mW/g



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EUT Setup Configuration 1_Antenna 1

DUT: Toshiba; Type: PA3234U-1MPC; Serial: N/A

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

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

Communication System: 802.11a; Frequency: 5320 MHz; Duty Cycle: 1:1

Medium: M5200MHz ($\sigma = 5.4214$ mho/m, $\epsilon_r = 48.9201$, $\rho = 1000$ 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/Area Scan (9x15x1): Measurement grid: dx=10mm, dy=10mm

Reference Value = 2.24 V/m

Power Drift = 0.16 dB

Maximum value of SAR = 0.267 mW/g

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

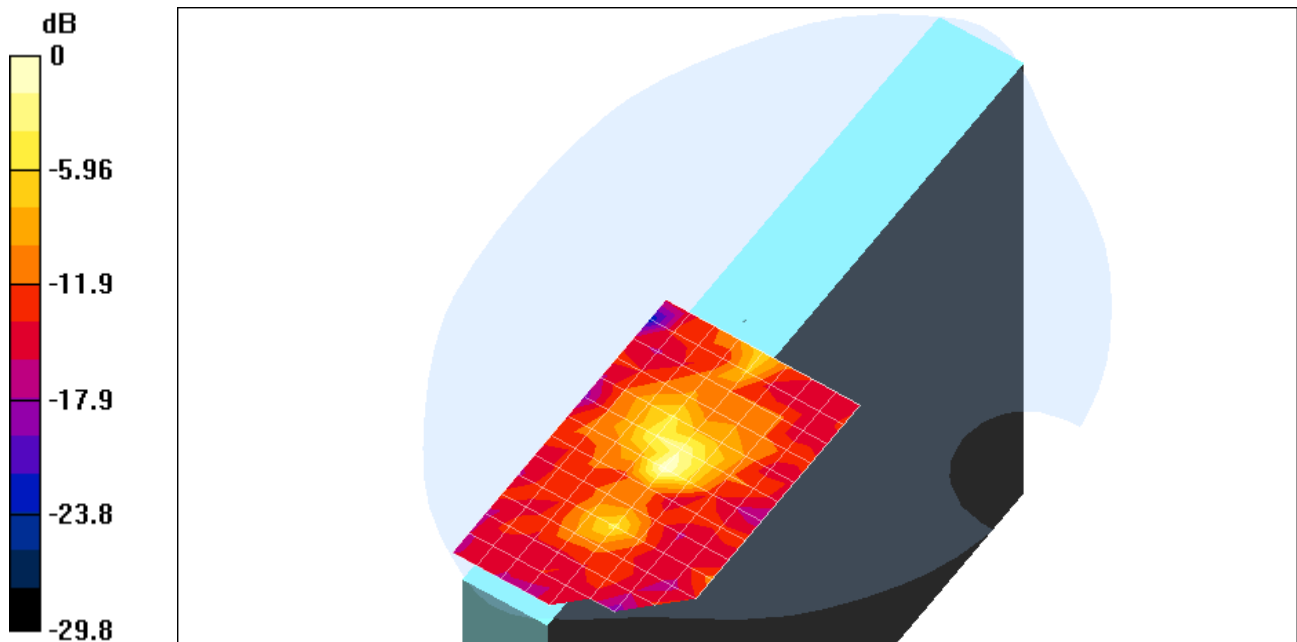
Peak SAR (extrapolated) = 1.11 W/kg

SAR(1 g) = 0.187 mW/g; SAR(10 g) = 0.054 mW/g

Reference Value = 2.24 V/m

Power Drift = 0.16 dB

Maximum value of SAR = 0.270 mW/g



0 dB = 0.270mW/g

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EUT Setup Configuration 1_Antenna 1

DUT: Toshiba; Type: PA3234U-1MPC; Serial: N/A

DASY4 Configuration:

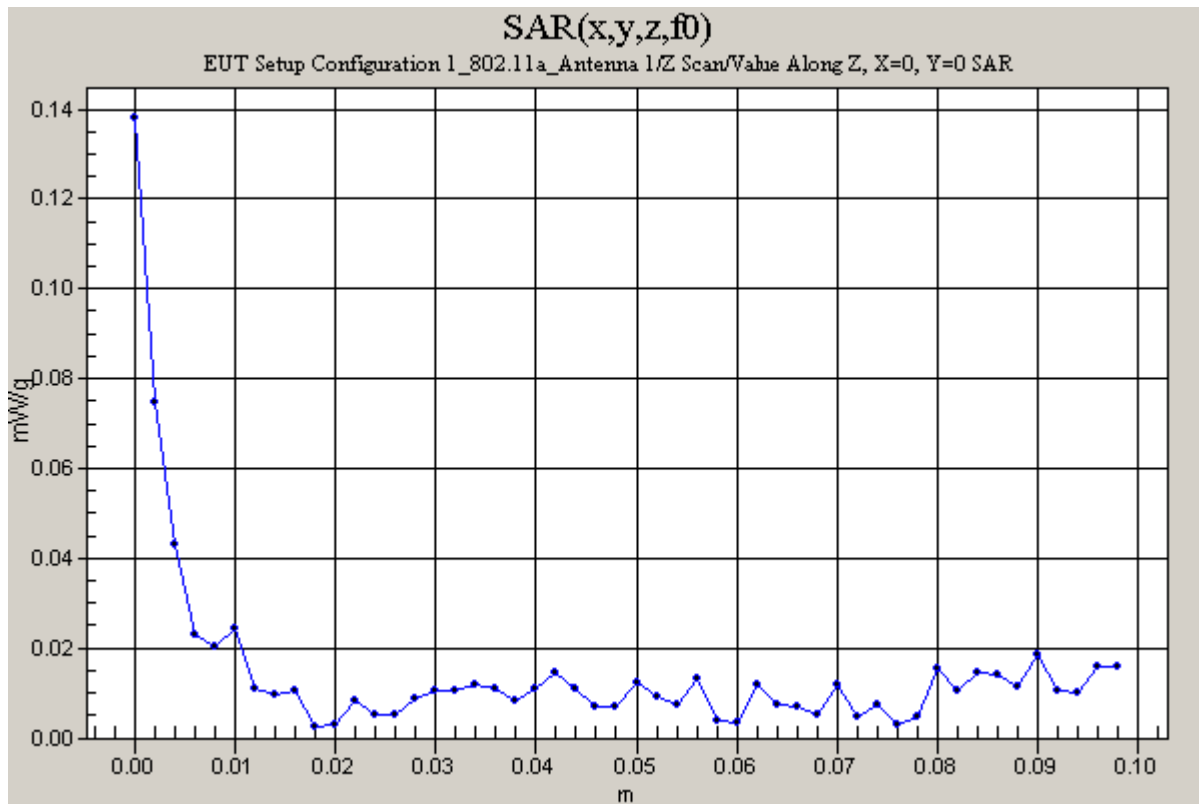
- Probe: ES3DV2 - SN3021; ConvF(1.4, 1.4, 1.4); Calibrated: 7/29/2003
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE3 Sn427; Calibrated: 2/4/2003
- Phantom: SAM 2; Type: SAM 2; Serial: 1050
- Measurement SW: DASY4, V4.1 Build 47; Postprocessing SW: SEMCAD, V1.8 Build 62

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

Reference Value = 2.24 V/m

Power Drift = 0.15 dB

Maximum value of SAR = 0.138 mW/g



Test Laboratory: Compliance Certification Services

EUT Setup Configuration 2_Antenna 2

DUT: Toshiba; Type: PA3234U-1MPC; Serial: N/A

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

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

Communication System: 802.11a; Frequency: 5180 MHz; Duty Cycle: 1:1

Medium: M5200MHz ($\sigma = 5.4214$ mho/m, $\epsilon_r = 48.9201$, $\rho = 1000$ 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

Low/Area Scan (10x15x1): Measurement grid: dx=10mm, dy=10mm

Reference Value = 1.51 V/m

Power Drift = -0.19 dB

Maximum value of SAR = 0.210 mW/g

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

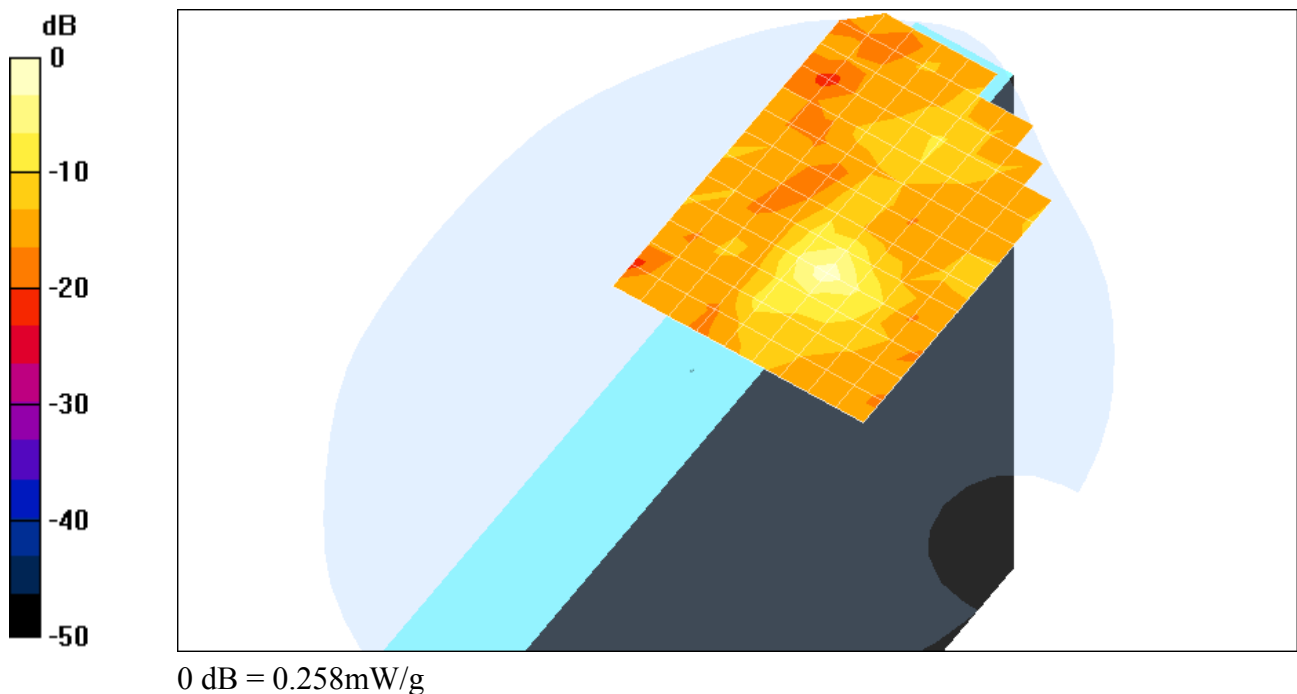
Peak SAR (extrapolated) = 0.915 W/kg

SAR(1 g) = 0.150 mW/g; SAR(10 g) = 0.046 mW/g

Reference Value = 1.51 V/m

Power Drift = -0.19 dB

Maximum value of SAR = 0.258 mW/g



Test Laboratory: Compliance Certification Services

EUT Setup Configuration 2_Antenna 2

DUT: Toshiba; Type: PA3234U-1MPC; Serial: N/A

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

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 ($\sigma = 5.4214$ mho/m, $\epsilon_r = 48.9201$, $\rho = 1000$ 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 (10x15x1): Measurement grid: dx=10mm, dy=10mm

Reference Value = 1.92 V/m

Power Drift = -0.13 dB

Maximum value of SAR = 0.151 mW/g

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

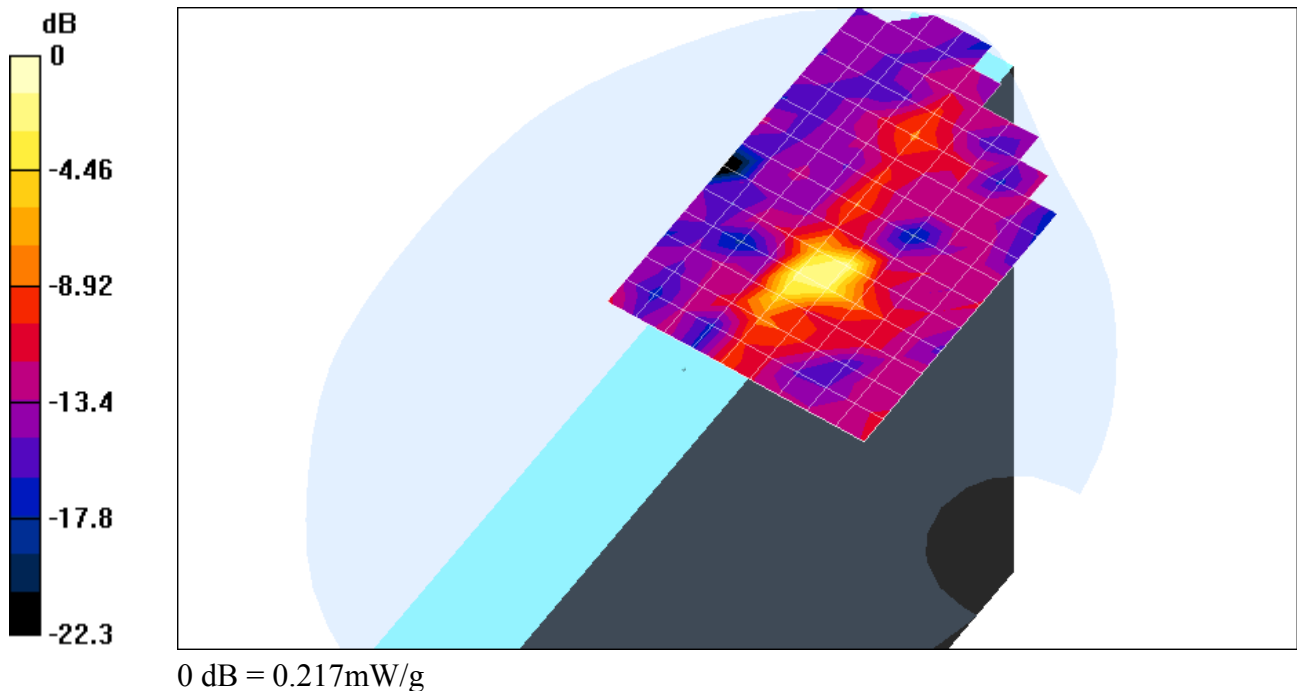
Peak SAR (extrapolated) = 1.01 W/kg

SAR(1 g) = 0.153 mW/g; SAR(10 g) = 0.047 mW/g

Reference Value = 1.92 V/m

Power Drift = -0.13 dB

Maximum value of SAR = 0.217 mW/g



Test Laboratory: Compliance Certification Services

EUT Setup Configuration 2_Antenna 2

DUT: Toshiba; Type: PA3234U-1MPC; Serial: N/A

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

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

Communication System: 802.11a; Frequency: 5320 MHz; Duty Cycle: 1:1

Medium: M5200MHz ($\sigma = 5.4214$ mho/m, $\epsilon_r = 48.9201$, $\rho = 1000$ 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

High/Area Scan (9x15x1): Measurement grid: dx=10mm, dy=10mm

Reference Value = 1.65 V/m

Power Drift = 0.1 dB

Maximum value of SAR = 0.208 mW/g

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

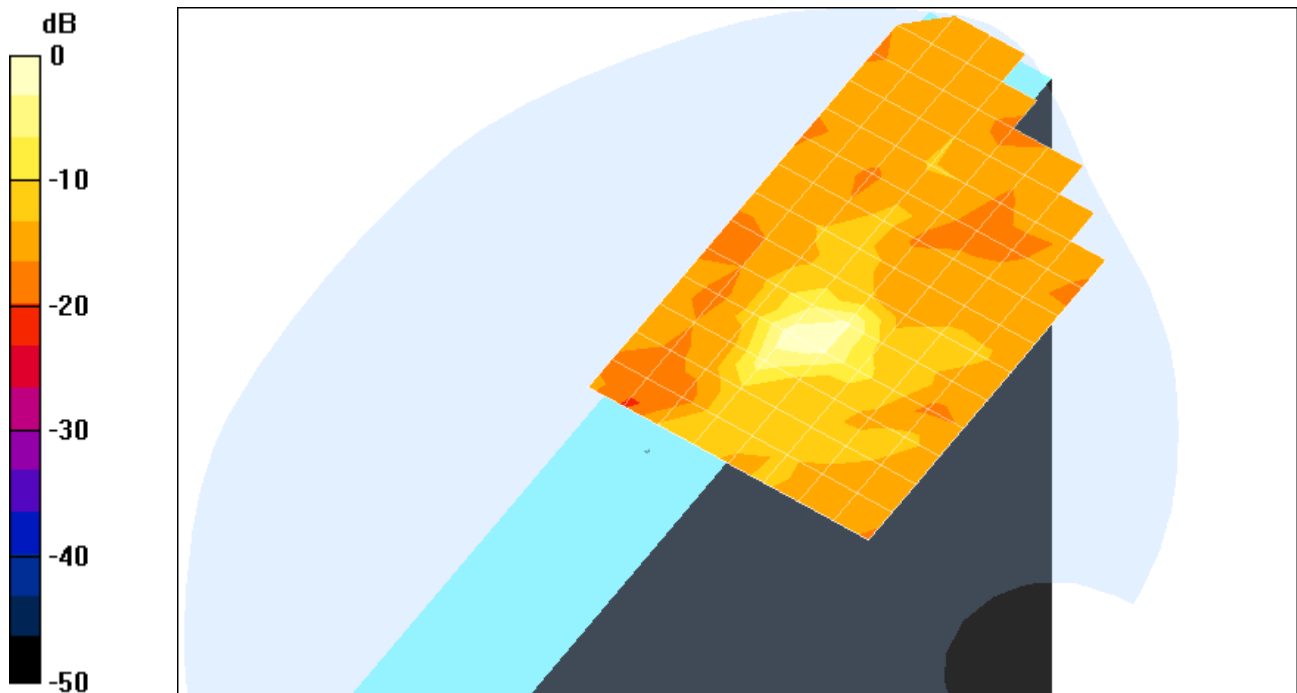
Peak SAR (extrapolated) = 1.17 W/kg

SAR(1 g) = 0.196 mW/g; SAR(10 g) = 0.058 mW/g

Reference Value = 1.65 V/m

Power Drift = 0.1 dB

Maximum value of SAR = 0.309 mW/g



0 dB = 0.309mW/g

Test Laboratory: Compliance Certification Services

EUT Setup Configuration 2_Antenna 2

DUT: Toshiba; Type: PA3234U-1MPC; Serial: N/A

DASY4 Configuration:

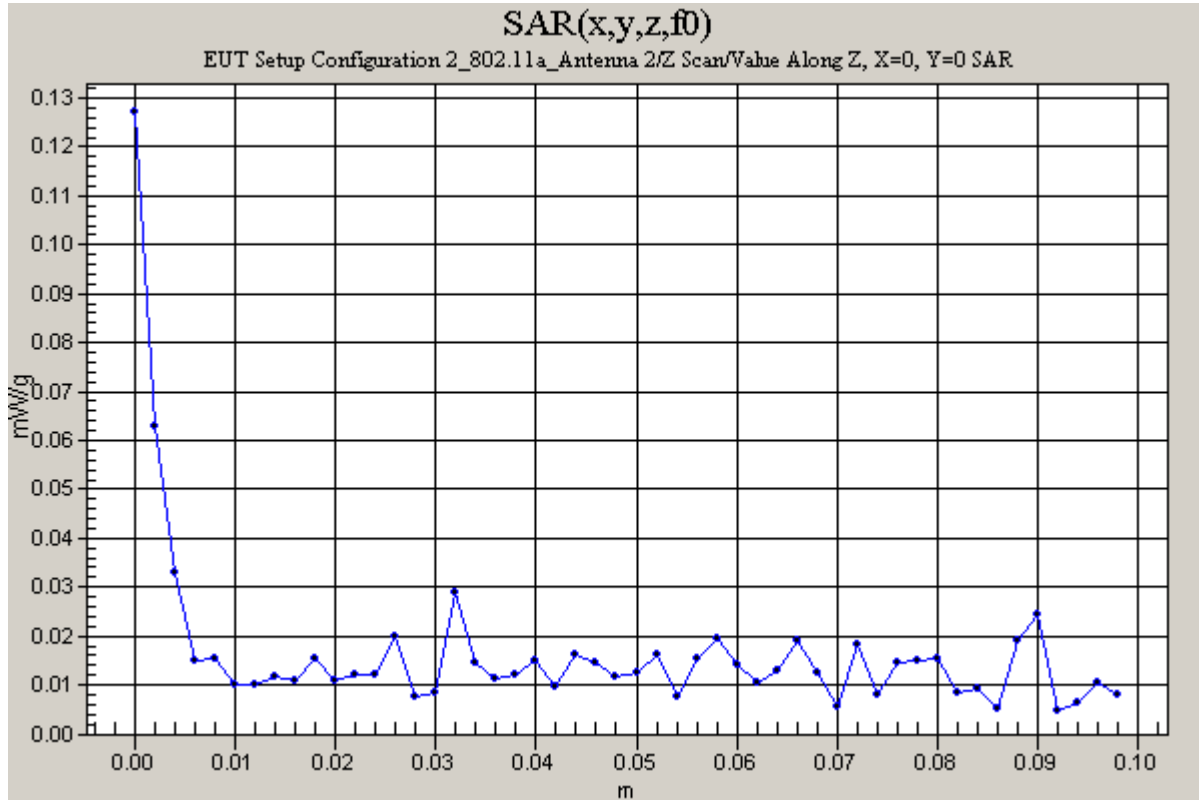
- Probe: ES3DV2 - SN3021; ConvF(1.4, 1.4, 1.4); Calibrated: 7/29/2003
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE3 Sn427; Calibrated: 2/4/2003
- Phantom: SAM 2; Type: SAM 2; Serial: 1050
- Measurement SW: DASY4, V4.1 Build 47; Postprocessing SW: SEMCAD, V1.8 Build 62

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

Reference Value = 1.65 V/m

Power Drift = -0.15 dB

Maximum value of SAR = 0.127 mW/g



Test Laboratory: Compliance Certification Services

EUT Setup Configuration 2_Antenna 2

DUT: Toshiba; Type: PA3234U-1MPC; Serial: N/A

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

Ambient Temperature: 25.0 deg C; Liquid Temperature: 24.5 deg C

Communication System: 802.11a; Frequency: 5320 MHz; Duty Cycle: 1:1

Medium: M5200MHz ($\sigma = 5.4214$ mho/m, $\epsilon_r = 48.9201$, $\rho = 1000$ 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/Area Scan (9x15x1): Measurement grid: dx=10mm, dy=10mm

Reference Value = 1.7 V/m

Power Drift = 0.12 dB

Maximum value of SAR = 0.220 mW/g

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

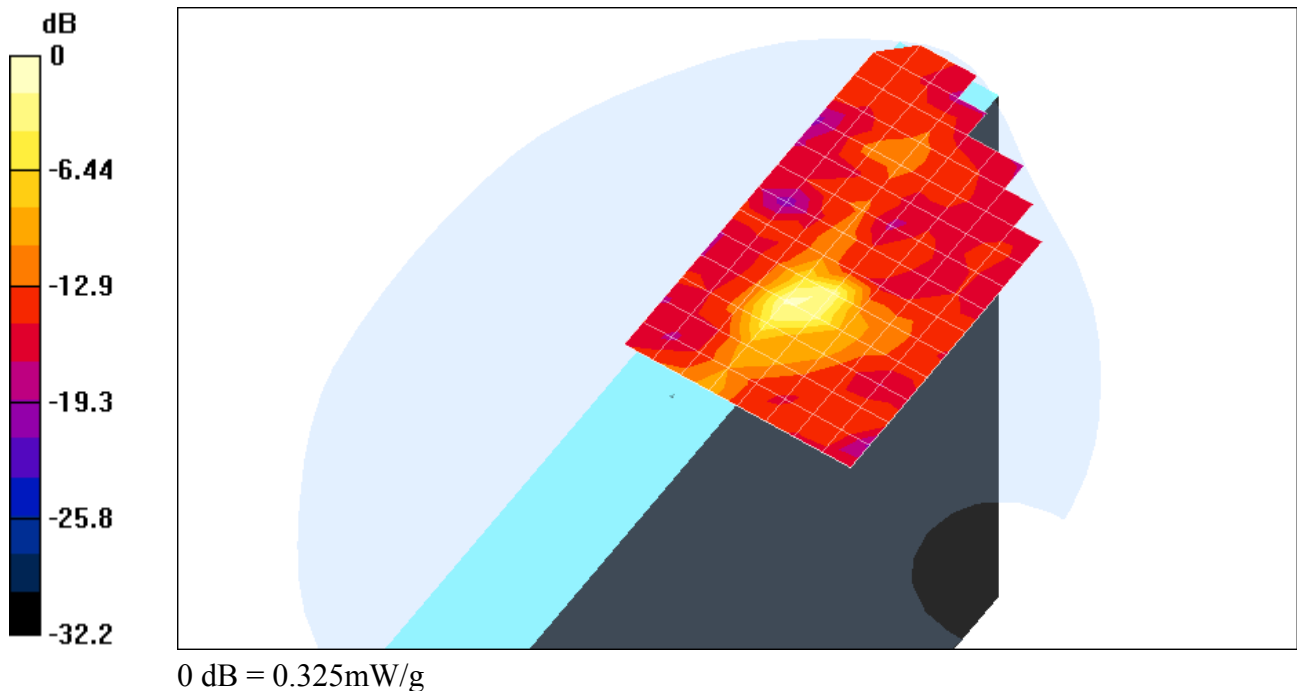
Peak SAR (extrapolated) = 0.855 W/kg

SAR(1 g) = 0.198 mW/g; SAR(10 g) = 0.062 mW/g

Reference Value = 1.7 V/m

Power Drift = 0.12 dB

Maximum value of SAR = 0.325 mW/g



Test Laboratory: Compliance Certification Services

EUT Setup Configuration 2_Antenna 2

DUT: Toshiba; Type: PA3234U-1MPC; Serial: N/A

DASY4 Configuration:

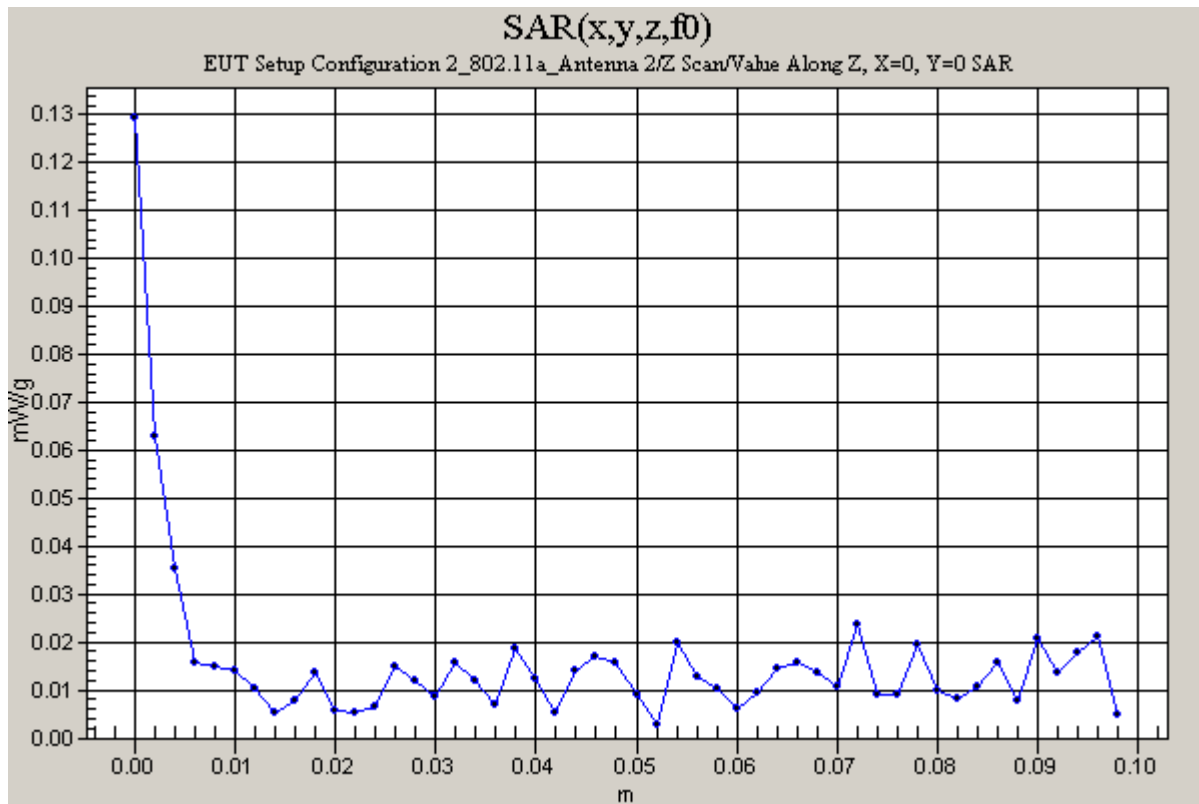
- Probe: ES3DV2 - SN3021; ConvF(1.4, 1.4, 1.4); Calibrated: 7/29/2003
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE3 Sn427; Calibrated: 2/4/2003
- Phantom: SAM 2; Type: SAM 2; Serial: 1050
- Measurement SW: DASY4, V4.1 Build 47; Postprocessing SW: SEMCAD, V1.8 Build 62

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

Reference Value = 1.7 V/m

Power Drift = 0.12 dB

Maximum value of SAR = 0.129 mW/g



Test Laboratory: Compliance Certification Services

EUT Setup Configuration 3_Antenna 1

DUT: Toshiba; Type: PA3234U-1MPC; Serial: N/A

Program Name: EUT Setup Configuration 3_802.11a_Antenna 1

Ambient Temperature: 25 deg C; Liquid Temperature: 23.5 deg C

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

Medium: M5200MHz ($\sigma = 5.4214$ mho/m, $\epsilon_r = 48.9201$, $\rho = 1000$ 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 (12x16x1): Measurement grid: dx=10mm, dy=10mm

Reference Value = 1.05 V/m

Power Drift = 0.13 dB

Maximum value of SAR = 0.024 mW/g

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

Peak SAR (extrapolated) = 1.72 W/kg

SAR(1 g) = 0.015 mW/g; SAR(10 g) = 0.012 mW/g

Reference Value = 1.05 V/m

Power Drift = 0.13 dB

Maximum value of SAR = 0.029 mW/g

