

Test Laboratory: Compliance Certification Services

1_Test Position 1

DUT: Toshiba; Type: Toshiba ; Serial: xxxx

Communication System: 802.11a; Frequency: 5260 MHz;Duty Cycle: 1:1.098

Medium parameters used (interpolated): $f = 5260$ MHz; $\sigma = 5.42$ mho/m; $\epsilon_r = 48$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Room Ambient Temperature: 25.5 deg. C; Liquid Temperature: 25.0 deg. C

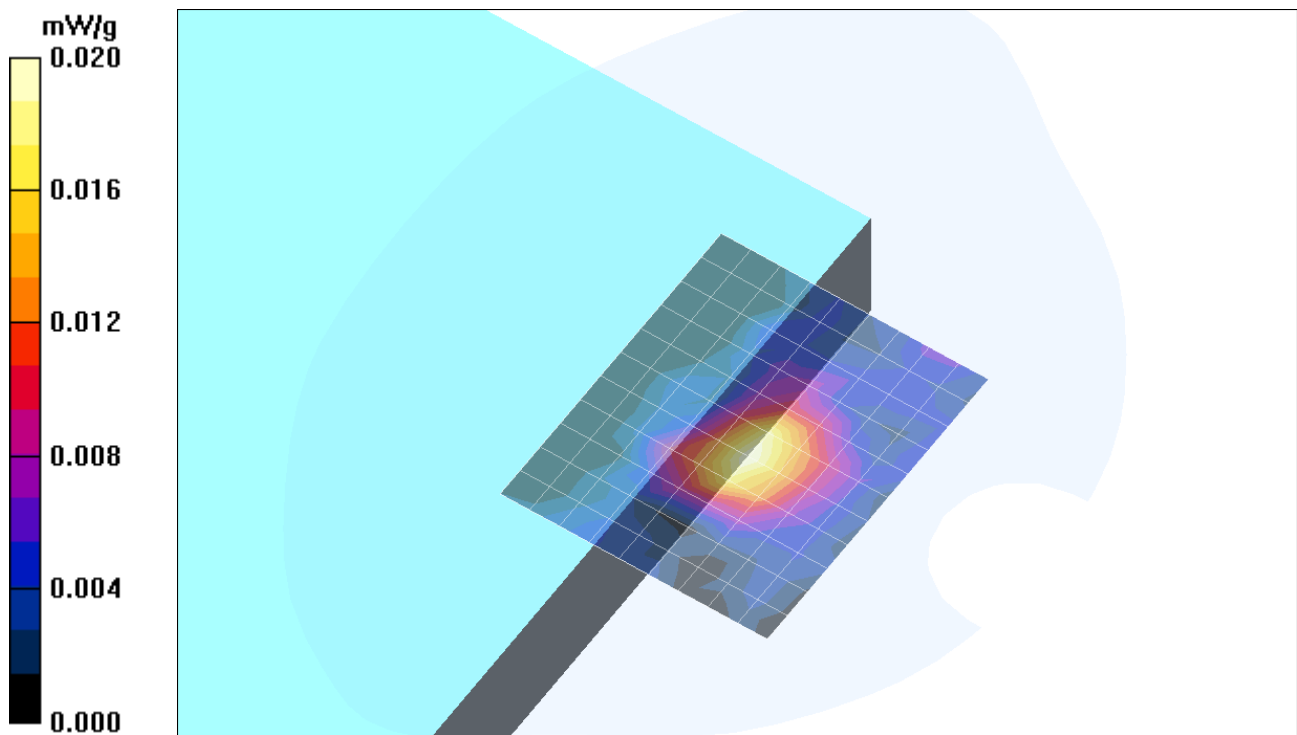
DASY4 Configuration:

- Area Scan setting - Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.0012W/kg
- Probe: EX3DV3 - SN3531; ConvF(5.2, 5.2, 5.2); Calibrated: 7/21/2005
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn500; Calibrated: 2/7/2005
- Phantom: SAM 2; Type: SAM 2; Serial: 1050
- Measurement SW: DASY4, V4.6 Build 23; Postprocessing SW: SEMCAD, V1.8 Build 160

5.2 GHz_M-ch/Area Scan (10x12x1): Measurement grid: dx=10mm, dy=10mm

[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (measured) = 0.020 mW/g



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1_Test Position 1

DUT: Toshiba; Type: Toshiba ; Serial: xxxx

Communication System: 802.11a; Frequency: 5785 MHz; Duty Cycle: 1:1.098

Medium parameters used (interpolated): $f = 5785$ MHz; $\sigma = 6.17$ mho/m; $\epsilon_r = 47$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Room Ambient Temperature: 25.5 deg. C; Liquid Temperature: 25.0 deg. C

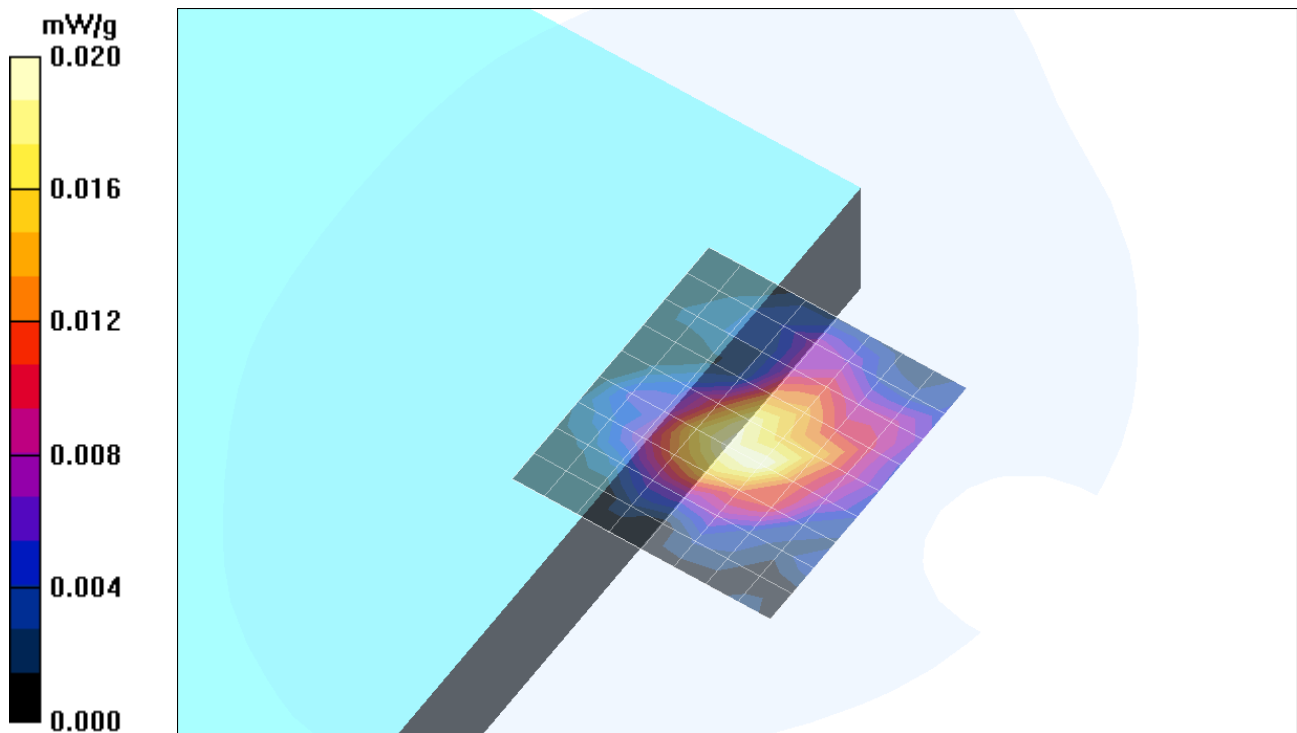
DASY4 Configuration:

- Area Scan setting - Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.0012W/kg
- Probe: EX3DV3 - SN3531; ConvF(4.75, 4.75, 4.75); Calibrated: 7/21/2005
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn500; Calibrated: 2/7/2005
- Phantom: SAM 2; Type: SAM 2; Serial: 1050
- Measurement SW: DASY4, V4.6 Build 23; Postprocessing SW: SEMCAD, V1.8 Build 160

5.8 GHz_M-ch/Area Scan (9x10x1): Measurement grid: dx=10mm, dy=10mm

[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (measured) = 0.020 mW/g



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2_Test Position 2

DUT: Toshiba; Type: Toshiba ; Serial: xxxx

Communication System: 802.11a; Frequency: 5260 MHz; Duty Cycle: 1:1.098

Medium parameters used (interpolated): $f = 5260$ MHz; $\sigma = 5.42$ mho/m; $\epsilon_r = 48$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Room Ambient Temperature: 25.5deg. C; Liquid Temperature: 25.0 deg. C

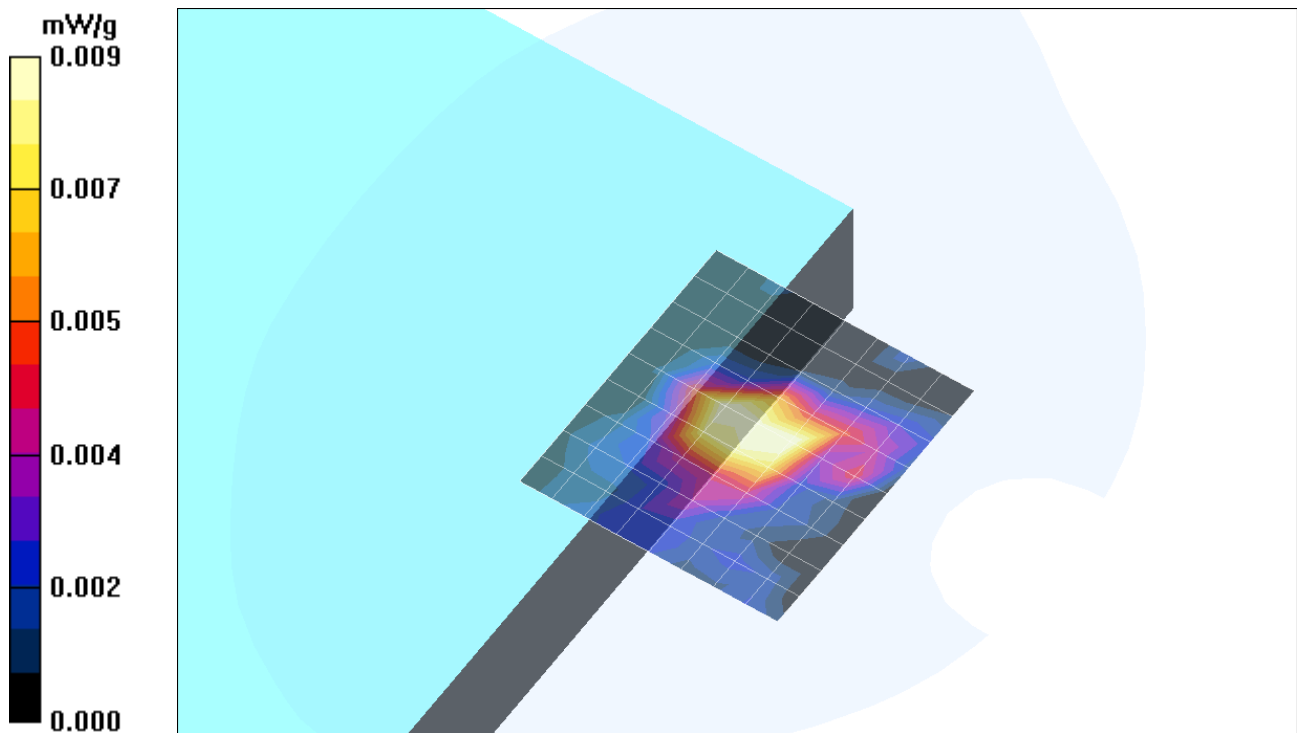
DASY4 Configuration:

- Area Scan setting - Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.0012W/kg
- Probe: EX3DV3 - SN3531; ConvF(5.2, 5.2, 5.2); Calibrated: 7/21/2005
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn500; Calibrated: 2/7/2005
- Phantom: SAM 2; Type: SAM 2; Serial: 1050
- Measurement SW: DASY4, V4.6 Build 23; Postprocessing SW: SEMCAD, V1.8 Build 160

5.2 GHz_M-ch/Area Scan (9x10x1): Measurement grid: dx=10mm, dy=10mm

[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (measured) = 0.009 mW/g



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2_Test Position 2

DUT: Toshiba; Type: Toshiba ; Serial: xxxx

Communication System: 802.11a; Frequency: 5785 MHz; Duty Cycle: 1:1.098

Medium parameters used (interpolated): $f = 5785$ MHz; $\sigma = 6.17$ mho/m; $\epsilon_r = 47$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Room Ambient Temperature: 25.5 deg. C; Liquid Temperature: 25.0 deg. C

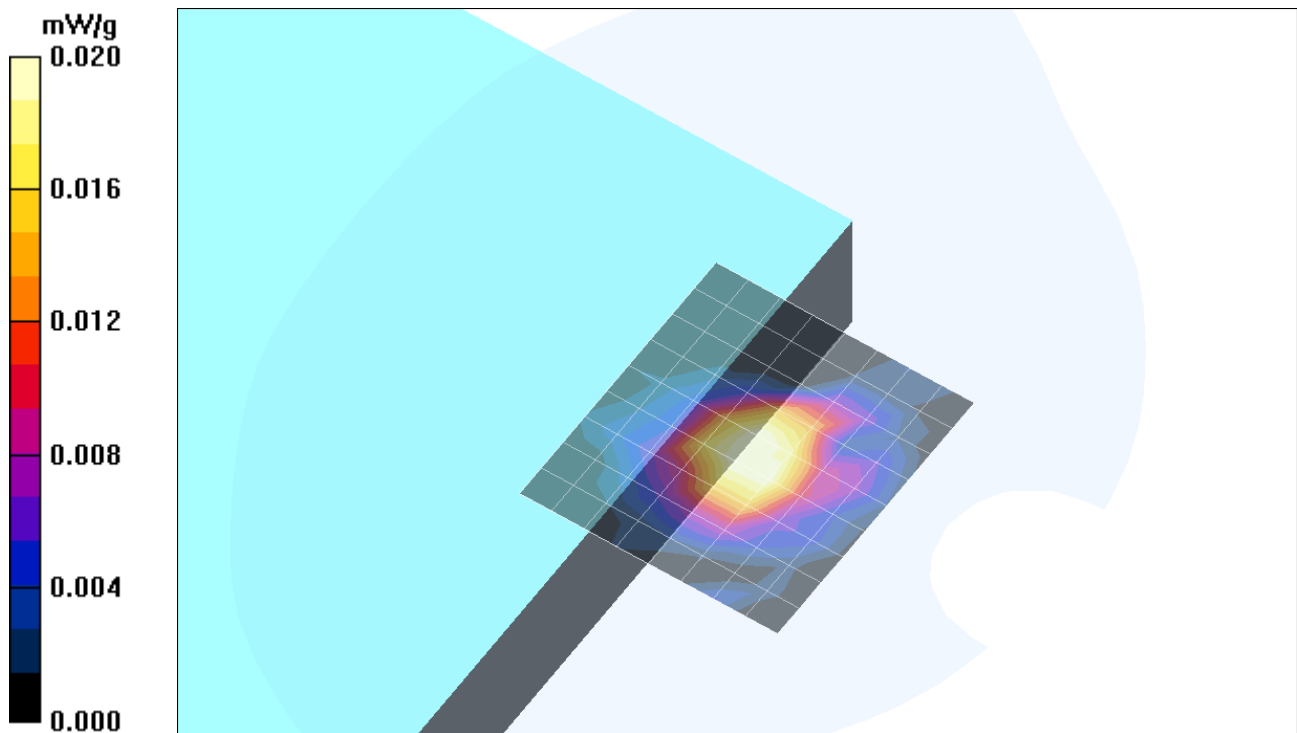
DASY4 Configuration:

- Area Scan setting - Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.0012W/kg
- Probe: EX3DV3 - SN3531; ConvF(4.75, 4.75, 4.75); Calibrated: 7/21/2005
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn500; Calibrated: 2/7/2005
- Phantom: SAM 2; Type: SAM 2; Serial: 1050
- Measurement SW: DASY4, V4.6 Build 23; Postprocessing SW: SEMCAD, V1.8 Build 160

5.8 GHz_M-ch/Area Scan (9x10x1): Measurement grid: dx=10mm, dy=10mm

[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (measured) = 0.020 mW/g



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3_Test Position 3

DUT: Toshiba; Type: Toshiba ; Serial: xxxx

Communication System: 802.11a; Frequency: 5260 MHz; Duty Cycle: 1:1.098

Medium parameters used (interpolated): $f = 5260$ MHz; $\sigma = 5.42$ mho/m; $\epsilon_r = 48$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Room Ambient Temperature: 25.5 deg. C; Liquid Temperature: 25.0 deg. C

DASY4 Configuration:

- Area Scan setting - Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.0012W/kg
- Probe: EX3DV3 - SN3531; ConvF(5.2, 5.2, 5.2); Calibrated: 7/21/2005
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn500; Calibrated: 2/7/2005
- Phantom: SAM 2; Type: SAM 2; Serial: 1050
- Measurement SW: DASY4, V4.6 Build 23; Postprocessing SW: SEMCAD, V1.8 Build 160

5.2 GHz_M-ch/Area Scan (10x10x1): Measurement grid: dx=10mm, dy=10mm

[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (measured) = 1.01 mW/g

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

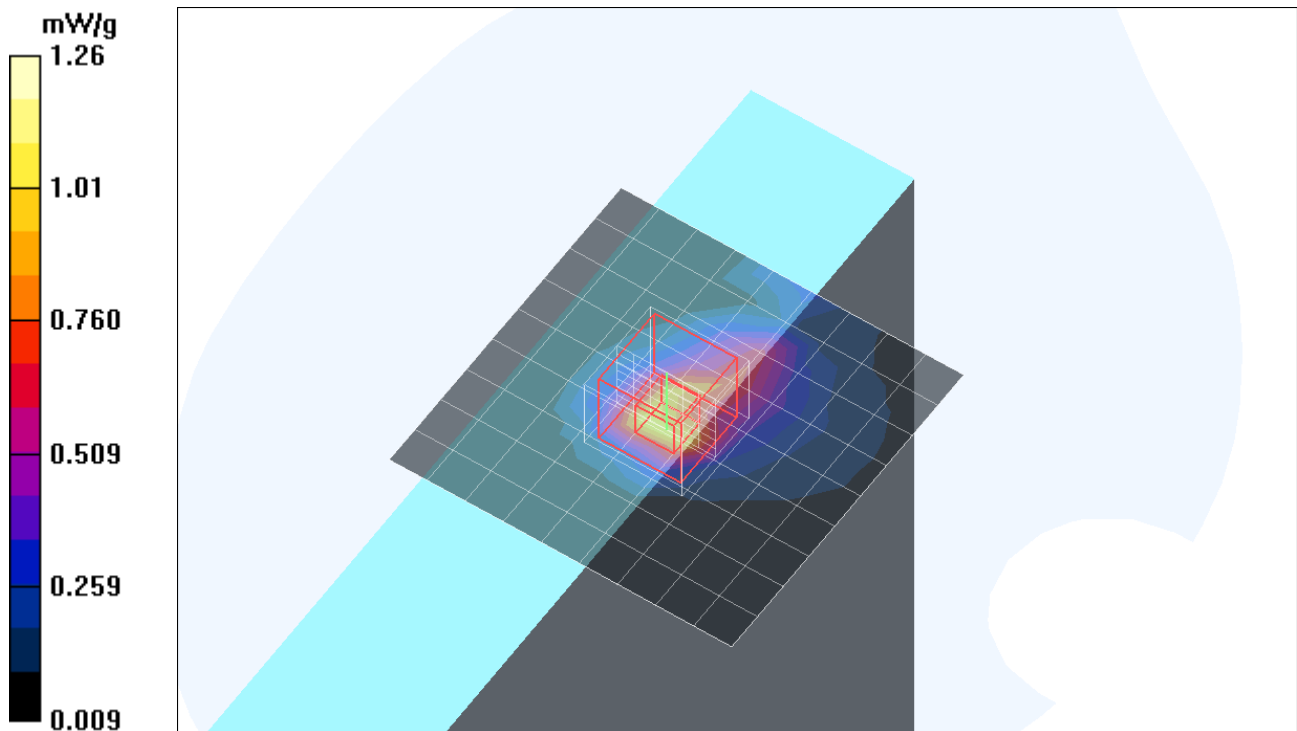
Reference Value = 7.78 V/m; Power Drift = 0.174 dB

Peak SAR (extrapolated) = 2.21 W/kg

SAR(1 g) = 0.645 mW/g; SAR(10 g) = 0.220 mW/g

[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (measured) = 1.26 mW/g



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3_Test Position 3

DUT: Toshiba; Type: Toshiba ; Serial: xxxx

Communication System: 802.11a; Frequency: 5260 MHz; Duty Cycle: 1:1.098

Medium parameters used (interpolated): $f = 5260$ MHz; $\sigma = 5.31$ mho/m; $\epsilon_r = 47.6$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Room Ambient Temperature: 25.5 deg. C; Liquid Temperature: 25.0 deg. C

DASY4 Configuration:

- Area Scan setting - Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.0012W/kg
- Probe: EX3DV3 - SN3531; ConvF(5.2, 5.2, 5.2); Calibrated: 7/21/2005
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn500; Calibrated: 2/7/2005
- Phantom: SAM 2; Type: SAM 2; Serial: 1050
- Measurement SW: DASY4, V4.6 Build 23; Postprocessing SW: SEMCAD, V1.8 Build 160

5.2 GHz_M-ch with bluetooth/Area Scan (10x10x1): Measurement grid: dx=10mm, dy=10mm

[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (measured) = 1.19 mW/g

5.2 GHz_M-ch with bluetooth/Zoom Scan (7x7x8)/Cube 0: Measurement grid: dx=4.3mm, dy=4.3mm, dz=3mm

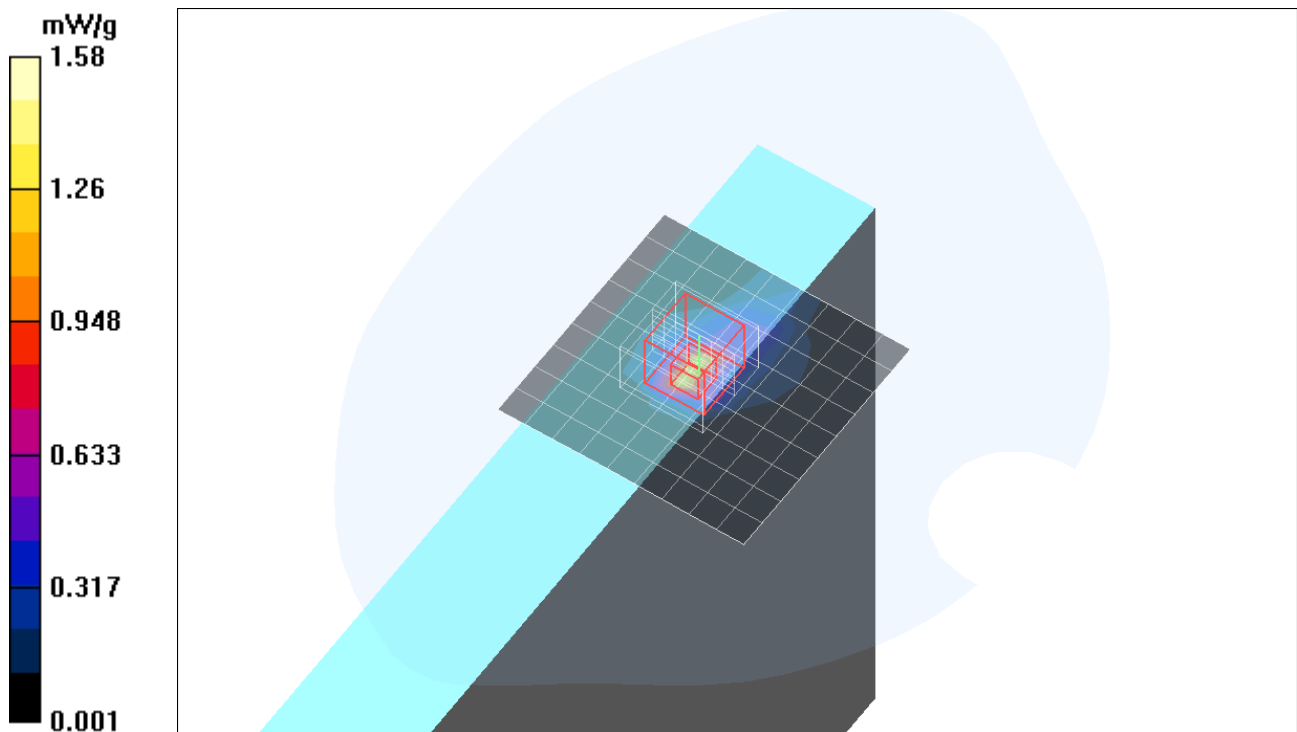
Reference Value = 7.23 V/m; Power Drift = -0.119 dB

Peak SAR (extrapolated) = 2.86 W/kg

SAR(1 g) = 0.772 mW/g; SAR(10 g) = 0.231 mW/g

[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (measured) = 1.58 mW/g



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3_Test Position 3

DUT: Toshiba; Type: Toshiba ; Serial: xxxx

Communication System: 802.11a; Frequency: 5785 MHz; Duty Cycle: 1:1.098

Medium parameters used (interpolated): $f = 5785$ MHz; $\sigma = 6.17$ mho/m; $\epsilon_r = 47$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Room Ambient Temperature: 25.5 deg. C; Liquid Temperature: 25.0 deg. C

DASY4 Configuration:

- Area Scan setting - Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.0012W/kg
- Probe: EX3DV3 - SN3531; ConvF(4.75, 4.75, 4.75); Calibrated: 7/21/2005
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn500; Calibrated: 2/7/2005
- Phantom: SAM 2; Type: SAM 2; Serial: 1050
- Measurement SW: DASY4, V4.6 Build 23; Postprocessing SW: SEMCAD, V1.8 Build 160

5.8 GHz_M-ch/Area Scan (10x10x1): Measurement grid: dx=10mm, dy=10mm

[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (measured) = 0.791 mW/g

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

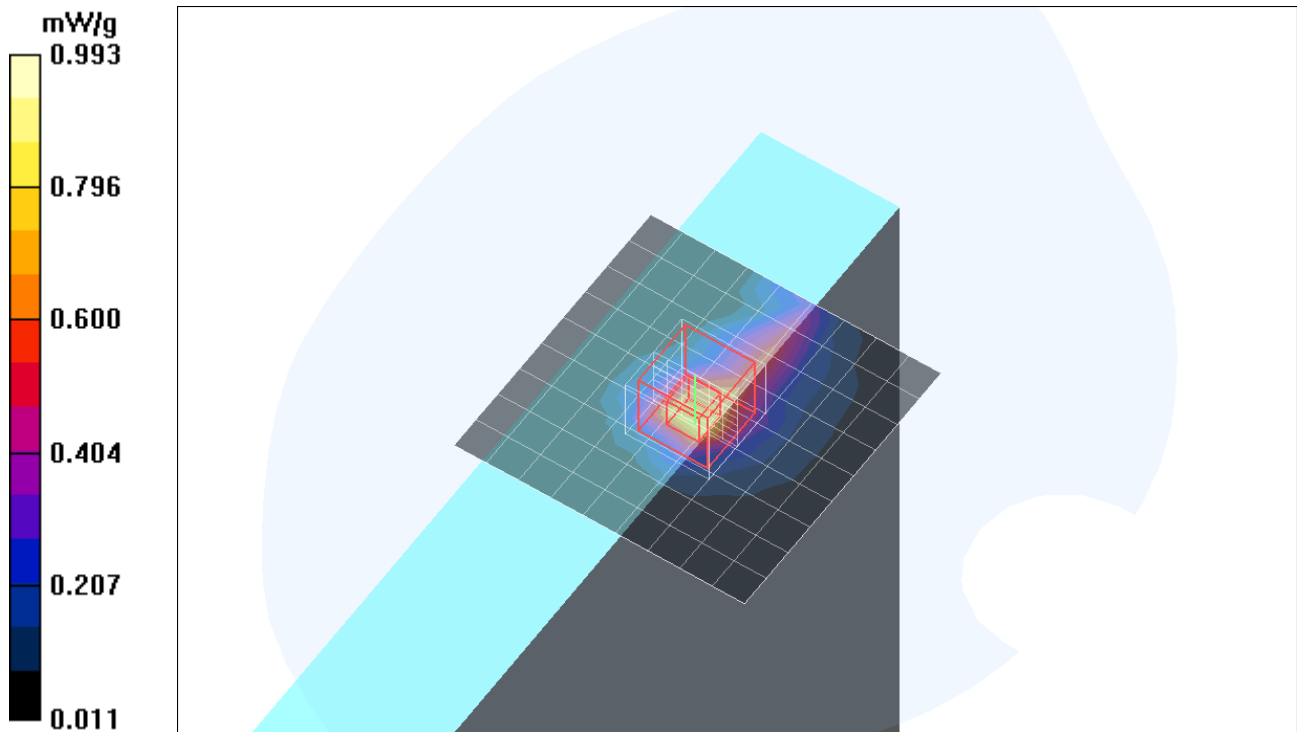
Reference Value = 9.41 V/m; Power Drift = 0.006 dB

Peak SAR (extrapolated) = 1.89 W/kg

SAR(1 g) = 0.520 mW/g; SAR(10 g) = 0.185 mW/g

[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (measured) = 0.993 mW/g



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4_Test Position 4

DUT: Toshiba; Type: Toshiba ; Serial: xxxx

Communication System: 802.11a; Frequency: 5260 MHz; Duty Cycle: 1:1.098

Medium parameters used (interpolated): $f = 5260$ MHz; $\sigma = 5.42$ mho/m; $\epsilon_r = 48$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Room Ambient Temperature: 25.5 deg. C; Liquid Temperature: 25.0 deg. C

DASY4 Configuration:

- Area Scan setting - Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.0012W/kg
- Probe: EX3DV3 - SN3531; ConvF(5.2, 5.2, 5.2); Calibrated: 7/21/2005
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn500; Calibrated: 2/7/2005
- Phantom: SAM 2; Type: SAM 2; Serial: 1050
- Measurement SW: DASY4, V4.6 Build 23; Postprocessing SW: SEMCAD, V1.8 Build 160

5.2 GHz_M-ch/Area Scan (10x10x1): Measurement grid: dx=10mm, dy=10mm

[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (measured) = 1.06 mW/g

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

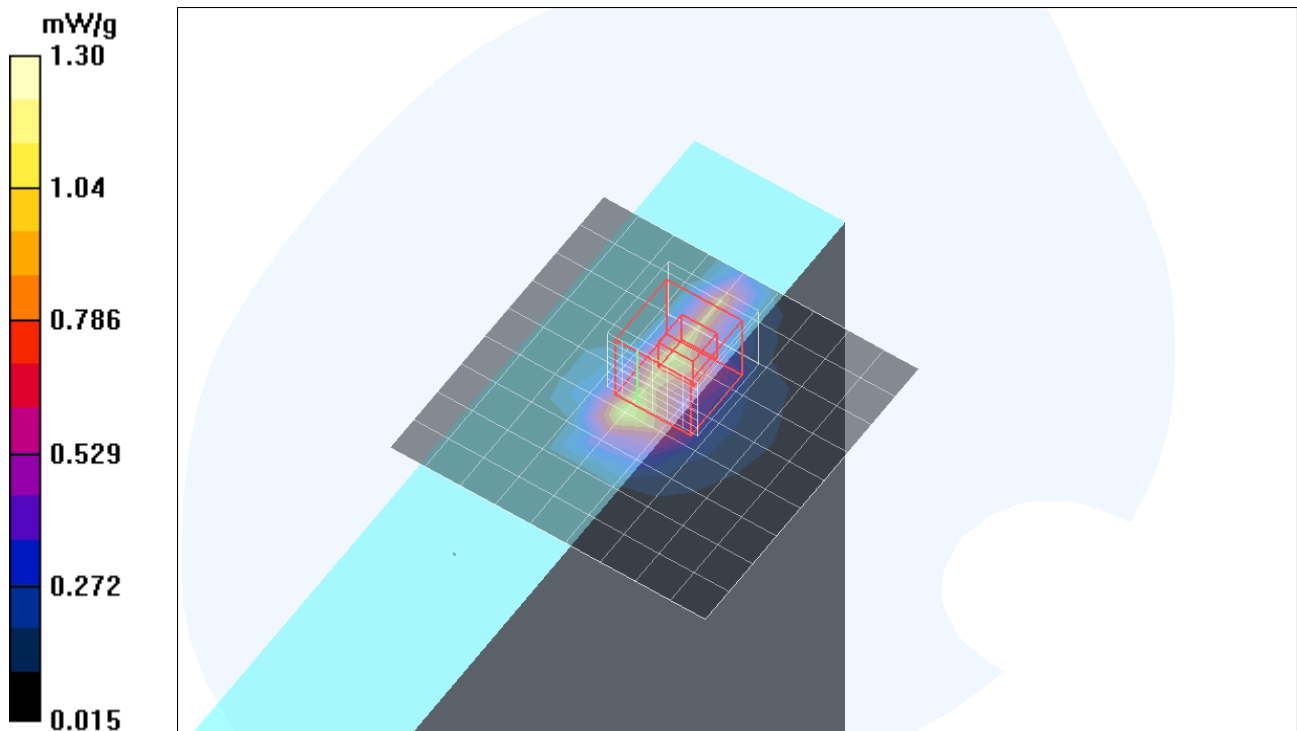
Reference Value = 8.90 V/m; Power Drift = 0.120 dB

Peak SAR (extrapolated) = 2.48 W/kg

SAR(1 g) = 0.620 mW/g; SAR(10 g) = 0.223 mW/g

[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (measured) = 1.30 mW/g



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4_Test Position 4

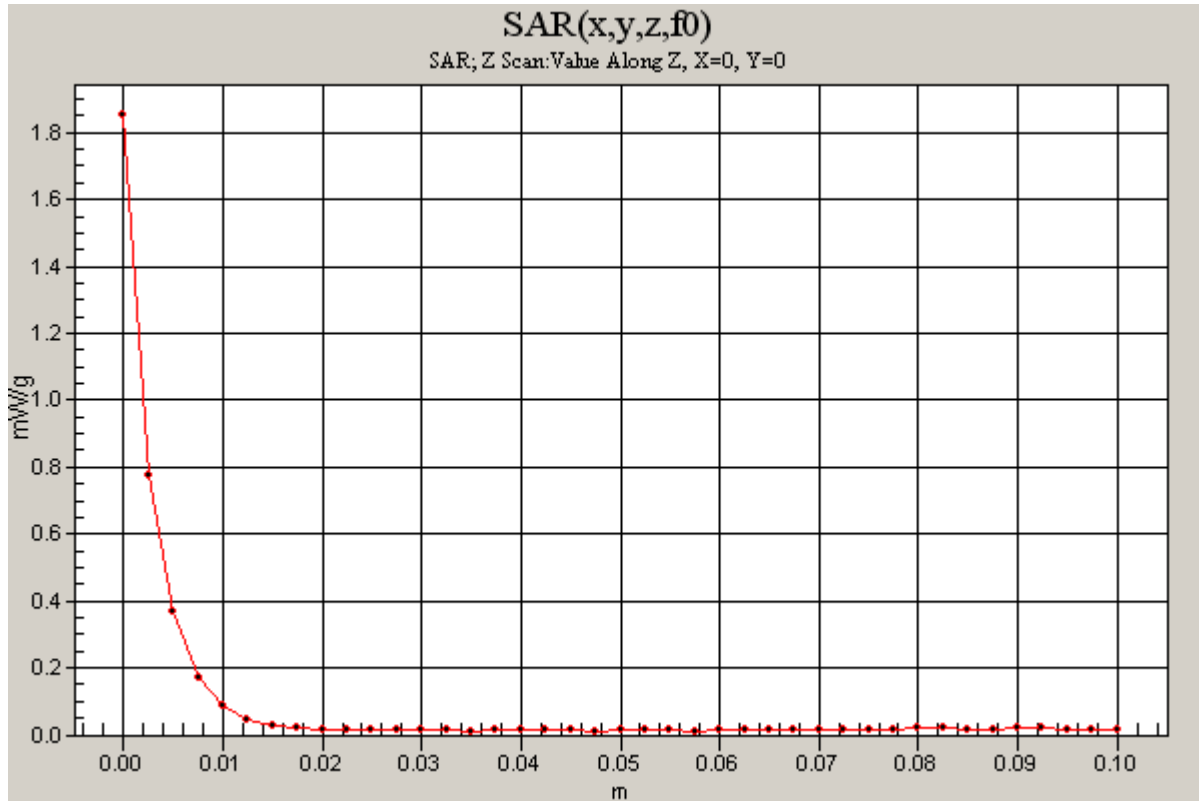
DUT: Toshiba; Type: Toshiba ; Serial: xxxx

Communication System: 802.11a; Frequency: 5260 MHz;Duty Cycle: 1:1.098

5.2 GHz_M-ch with bluetooth/Z Scan (1x1x41): Measurement grid: dx=20mm, dy=20mm, dz=2.5mm

[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (measured) = 1.85 mW/g



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4_Test Position 4

DUT: Toshiba; Type: Toshiba ; Serial: xxxx

Communication System: 802.11a; Frequency: 5745 MHz; Duty Cycle: 1:1.098

Medium parameters used (interpolated): $f = 5745$ MHz; $\sigma = 6.11$ mho/m; $\epsilon_r = 47.1$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Room Ambient Temperature: 25.5 deg. C; Liquid Temperature: 25.0 deg. C

DASY4 Configuration:

- Area Scan setting - Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.0012W/kg
- Probe: EX3DV3 - SN3531; ConvF(4.75, 4.75, 4.75); Calibrated: 7/21/2005
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn500; Calibrated: 2/7/2005
- Phantom: SAM 2; Type: SAM 2; Serial: 1050
- Measurement SW: DASY4, V4.6 Build 23; Postprocessing SW: SEMCAD, V1.8 Build 160

5.8 GHz_L-ch/Area Scan (10x10x1): Measurement grid: dx=10mm, dy=10mm

[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (measured) = 1.02 mW/g

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

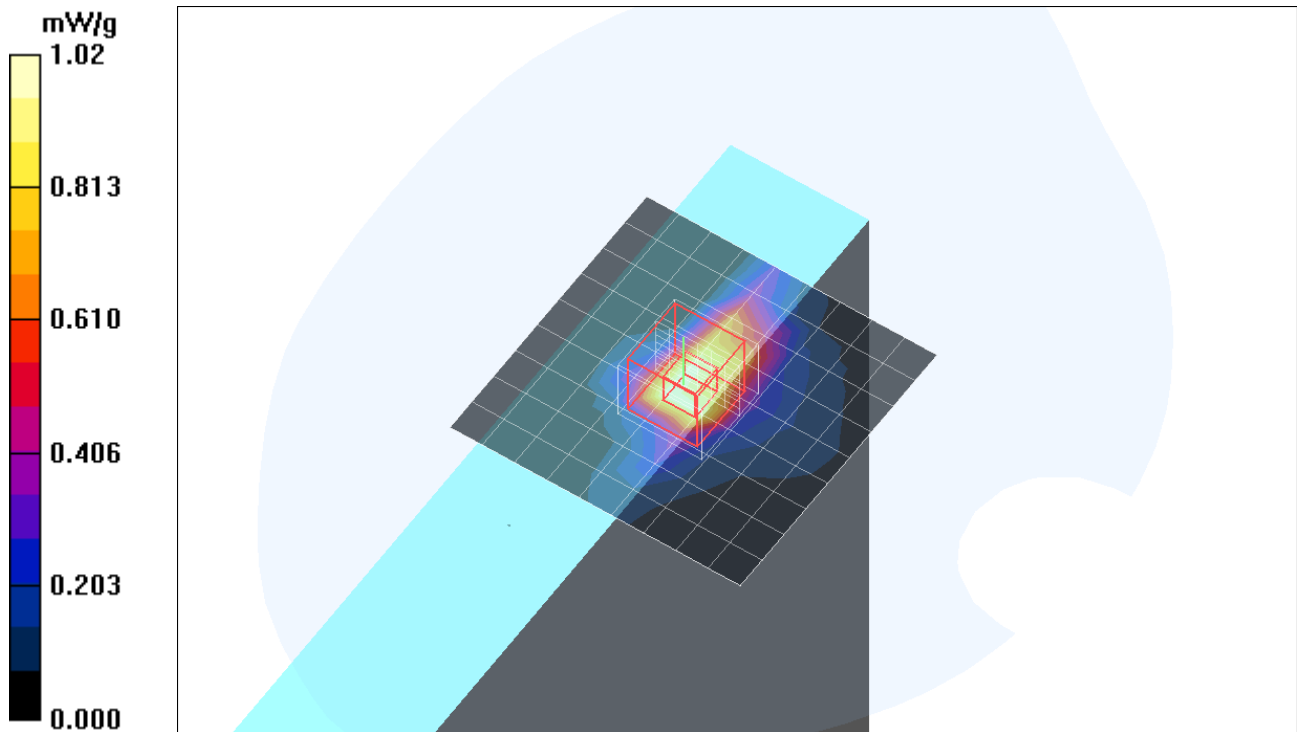
Reference Value = 8.86 V/m; Power Drift = 0.108 dB

Peak SAR (extrapolated) = 3.66 W/kg

SAR(1 g) = 0.838 mW/g; SAR(10 g) = 0.258 mW/g

[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (measured) = 1.83 mW/g



Test Laboratory: Compliance Certification Services

4_Test Position 4

DUT: Toshiba; Type: Toshiba ; Serial: xxxx

Communication System: 802.11a; Frequency: 5785 MHz; Duty Cycle: 1:1.098

Medium parameters used (interpolated): $f = 5785$ MHz; $\sigma = 6.17$ mho/m; $\epsilon_r = 47$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Room Ambient Temperature: 25.5 deg. C; Liquid Temperature: 25.0 deg. C

DASY4 Configuration:

- Area Scan setting - Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.0012W/kg
- Probe: EX3DV3 - SN3531; ConvF(4.75, 4.75, 4.75); Calibrated: 7/21/2005
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn500; Calibrated: 2/7/2005
- Phantom: SAM 2; Type: SAM 2; Serial: 1050
- Measurement SW: DASY4, V4.6 Build 23; Postprocessing SW: SEMCAD, V1.8 Build 160

5.8 GHz_M-ch/Area Scan (10x10x1): Measurement grid: dx=10mm, dy=10mm

[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (measured) = 1.24 mW/g

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

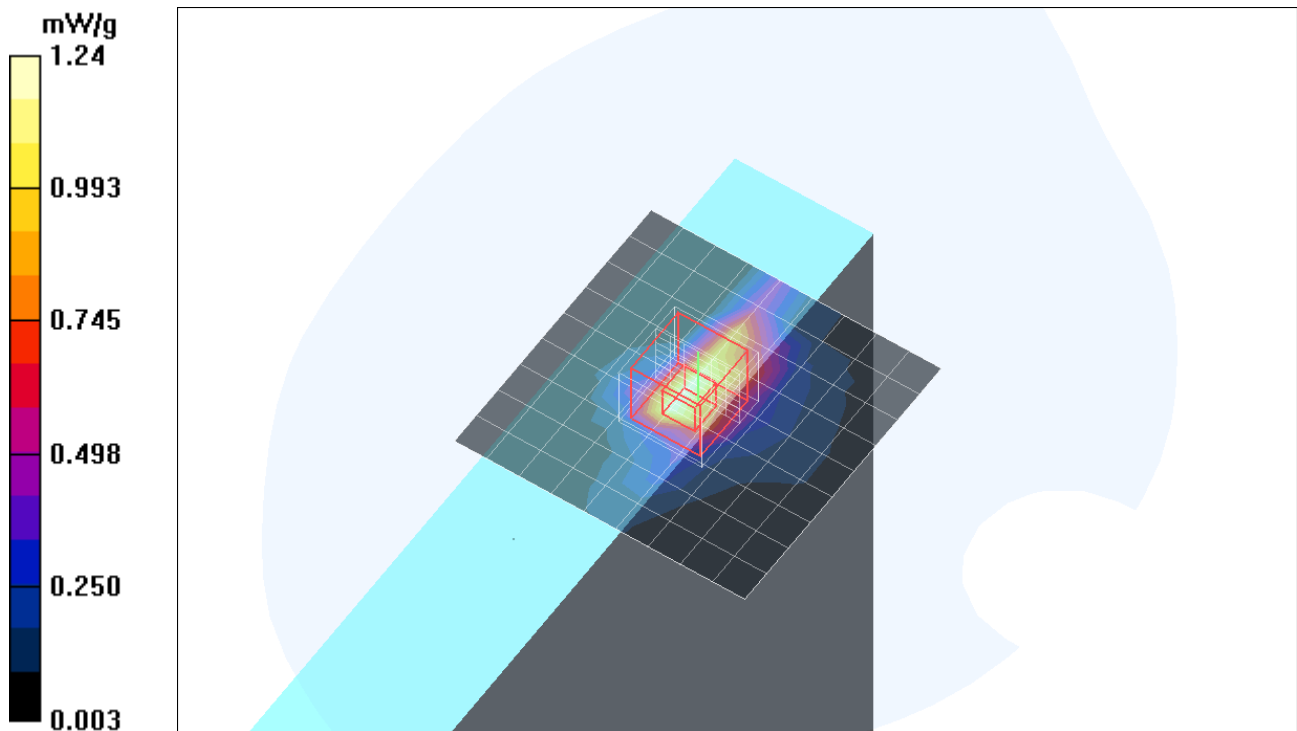
Reference Value = 8.72 V/m; Power Drift = 0.115 dB

Peak SAR (extrapolated) = 3.77 W/kg

SAR(1 g) = 0.867 mW/g; SAR(10 g) = 0.280 mW/g

[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (measured) = 1.77 mW/g



Test Laboratory: Compliance Certification Services

4_Test Position 4

DUT: Toshiba; Type: Toshiba ; Serial: xxxx

Communication System: 802.11a; Frequency: 5825 MHz; Duty Cycle: 1:1.098

Medium parameters used (interpolated): $f = 5825$ MHz; $\sigma = 6.22$ mho/m; $\epsilon_r = 46.9$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Room Ambient Temperature: 25.5 deg. C; Liquid Temperature: 25.0 deg. C

DASY4 Configuration:

- Area Scan setting - Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.0012W/kg
- Probe: EX3DV3 - SN3531; ConvF(4.75, 4.75, 4.75); Calibrated: 7/21/2005
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn500; Calibrated: 2/7/2005
- Phantom: SAM 2; Type: SAM 2; Serial: 1050
- Measurement SW: DASY4, V4.6 Build 23; Postprocessing SW: SEMCAD, V1.8 Build 160

5.8 GHz_H-ch/Area Scan (10x10x1): Measurement grid: dx=10mm, dy=10mm

[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (measured) = 1.91 mW/g

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

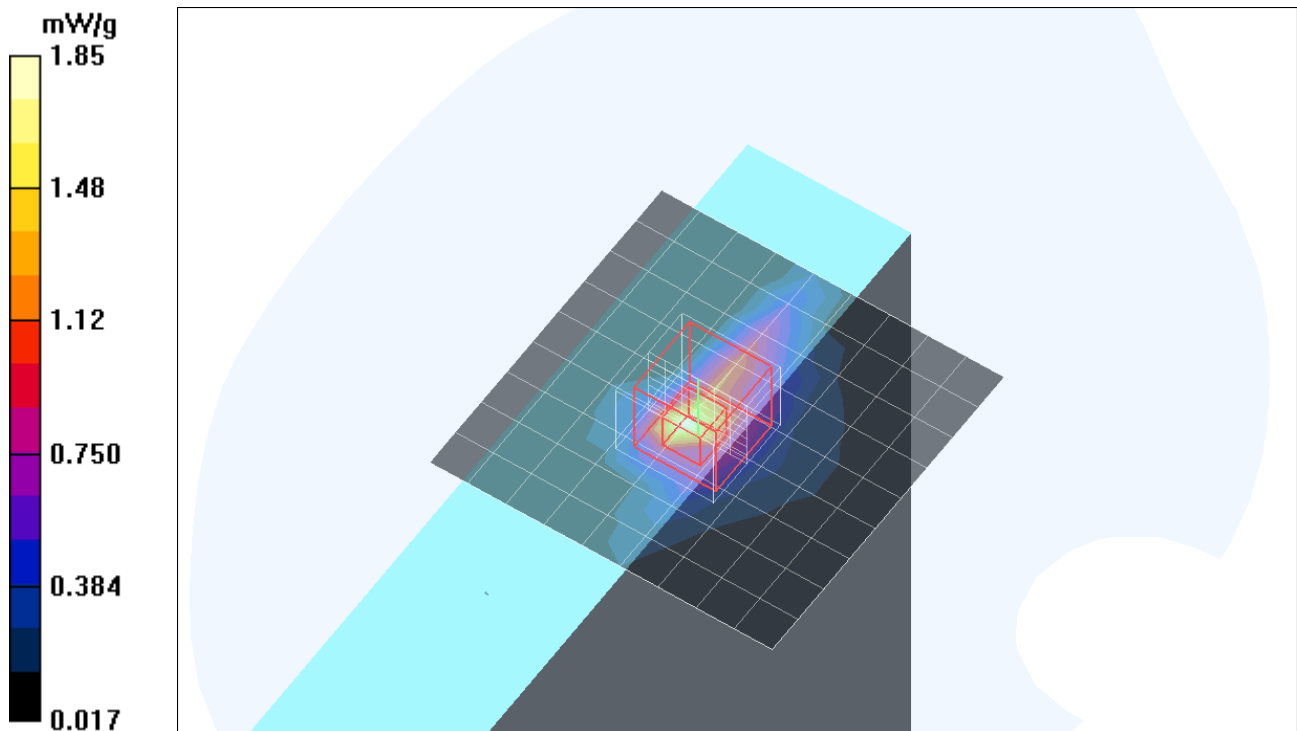
Reference Value = 10.4 V/m; Power Drift = 0.072 dB

Peak SAR (extrapolated) = 3.81 W/kg

SAR(1 g) = 0.912 mW/g; SAR(10 g) = 0.303 mW/g

[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (measured) = 1.85 mW/g



Test Laboratory: Compliance Certification Services

4_Test Position 4

DUT: Toshiba; Type: Toshiba ; Serial: xxxx

Communication System: 802.11a; Frequency: 5825 MHz; Duty Cycle: 1:1.098

Medium parameters used (interpolated): $f = 5825$ MHz; $\sigma = 6.22$ mho/m; $\epsilon_r = 46.9$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Room Ambient Temperature: 25.5 deg. C; Liquid Temperature: 25.0 deg. C

DASY4 Configuration:

- Area Scan setting - Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.0012W/kg
- Probe: EX3DV3 - SN3531; ConvF(4.75, 4.75, 4.75); Calibrated: 7/21/2005
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn500; Calibrated: 2/7/2005
- Phantom: SAM 2; Type: SAM 2; Serial: 1050
- Measurement SW: DASY4, V4.6 Build 23; Postprocessing SW: SEMCAD, V1.8 Build 160

5.8 GHz_H-ch with bluetooth/Area Scan (10x10x1): Measurement grid: dx=10mm, dy=10mm

[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (measured) = 1.85 mW/g

5.8 GHz_H-ch with bluetooth/Zoom Scan (7x7x8)/Cube 0: Measurement grid: dx=4.3mm, dy=4.3mm, dz=3mm

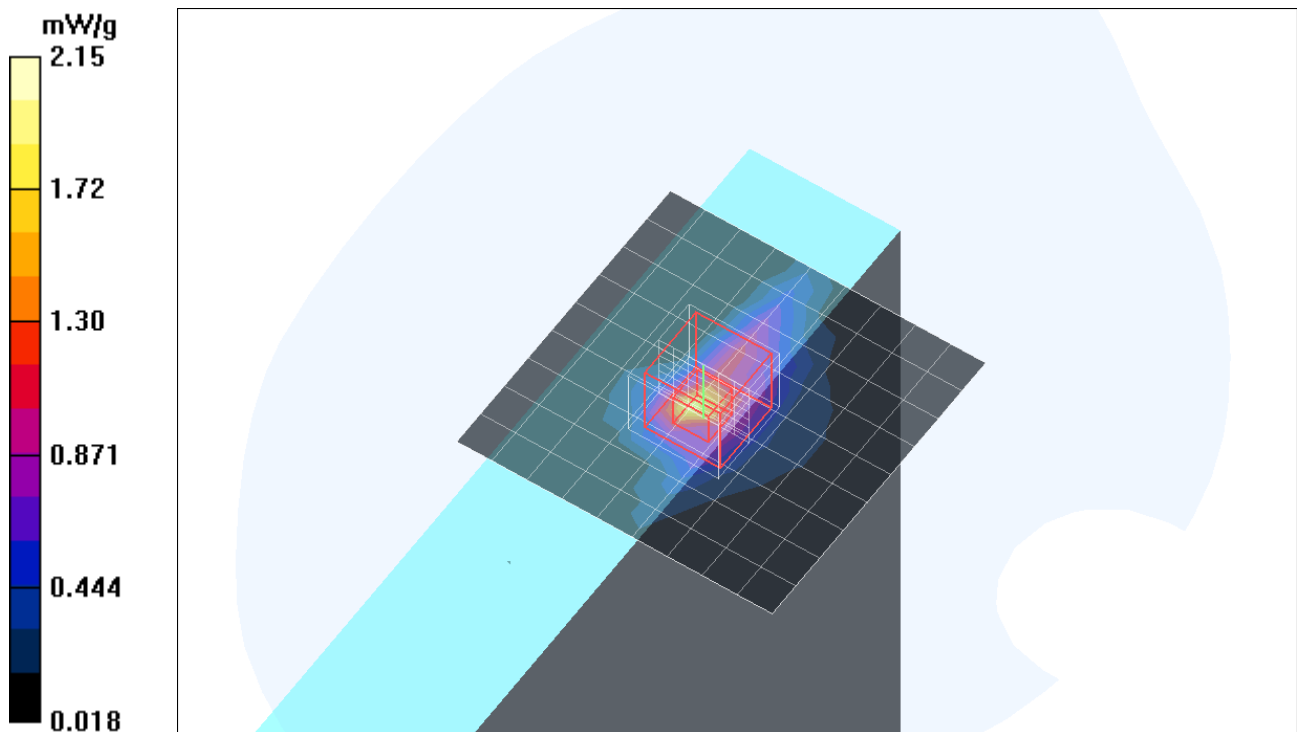
Reference Value = 9.17 V/m; Power Drift = 0.109 dB

Peak SAR (extrapolated) = 4.33 W/kg

SAR(1 g) = 1.01 mW/g; SAR(10 g) = 0.328 mW/g

[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (measured) = 2.15 mW/g



Test Laboratory: Compliance Certification Services

4_Test Position 4

DUT: Toshiba; Type: Toshiba ; Serial: xxxx

Communication System: 802.11a; Frequency: 5825 MHz;Duty Cycle: 1:1.098

5.8 GHz_H-ch with bluetooth/Z Scan (1x1x41): Measurement grid: dx=20mm, dy=20mm, dz=2.5mm

[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (measured) = 2.74 mW/g

