

Test Laboratory: Compliance Certification Services

## LCD Edge Main ANT

DUT: Toshiba; Type: Toshiba Portege M400 ; Serial: N/A

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

Medium parameters used (interpolated):  $f = 5260$  MHz;  $\sigma = 5.49$  mho/m;  $\epsilon_r = 48.2$ ;  $\rho = 1000$  kg/m<sup>3</sup>

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 (10x11x1):** Measurement grid: dx=10mm, dy=10mm

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

Maximum value of SAR (measured) = 1.23 mW/g

**5.2 GHz\_M-ch/Zoom Scan (8x8x8)/Cube 0:** Measurement grid: dx=4.3mm, dy=4.3mm, dz=3mm

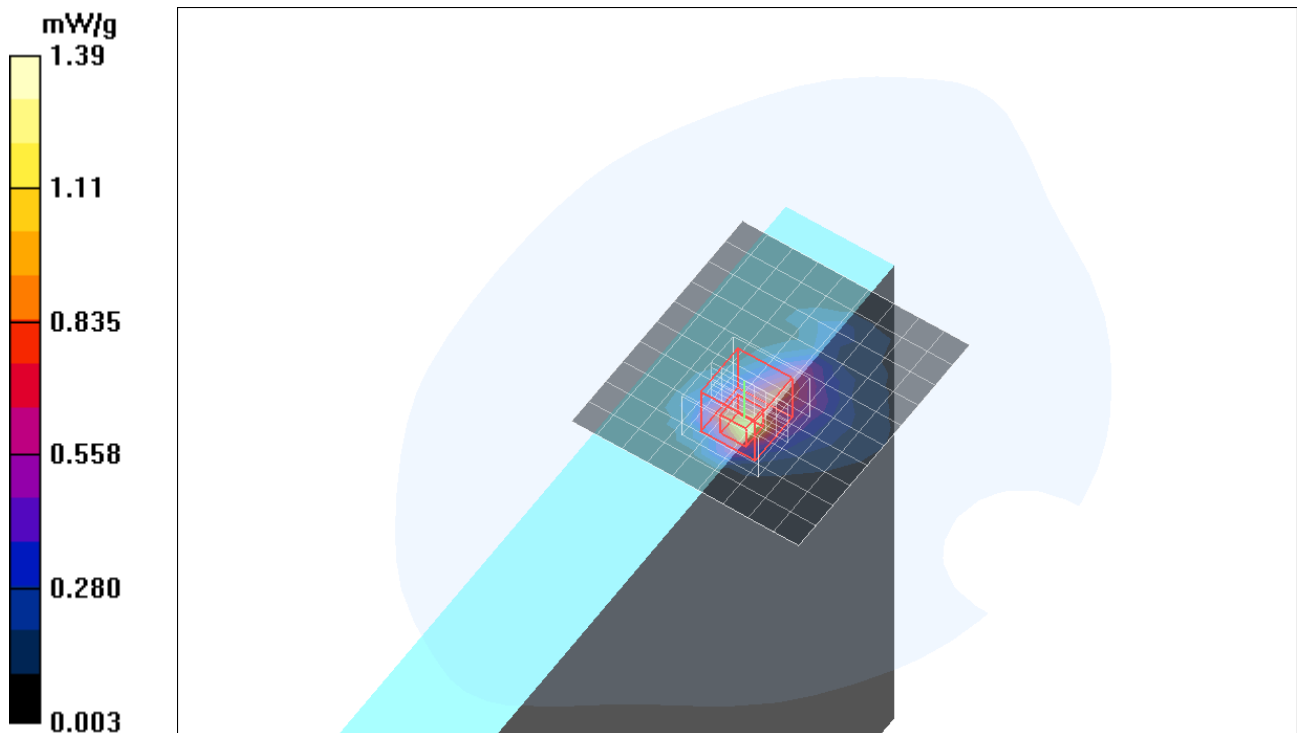
Reference Value = 11.0 V/m; Power Drift = 0.246 dB

Peak SAR (extrapolated) = 2.56 W/kg

**SAR(1 g) = 0.721 mW/g; SAR(10 g) = 0.243 mW/g**

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

Maximum value of SAR (measured) = 1.39 mW/g



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## LCD Edge Main ANT

DUT: Toshiba; Type: Toshiba Portege M400 ; Serial: N/A

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

Medium parameters used (interpolated):  $f = 5825$  MHz;  $\sigma = 6.29$  mho/m;  $\epsilon_r = 47.1$ ;  $\rho = 1000$  kg/m<sup>3</sup>

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 (10x11x1):** Measurement grid: dx=10mm, dy=10mm

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

Maximum value of SAR (measured) = 1.17 mW/g

**5.8 GHz\_H-ch/Zoom Scan (8x8x8)/Cube 0:** Measurement grid: dx=4.3mm, dy=4.3mm, dz=3mm

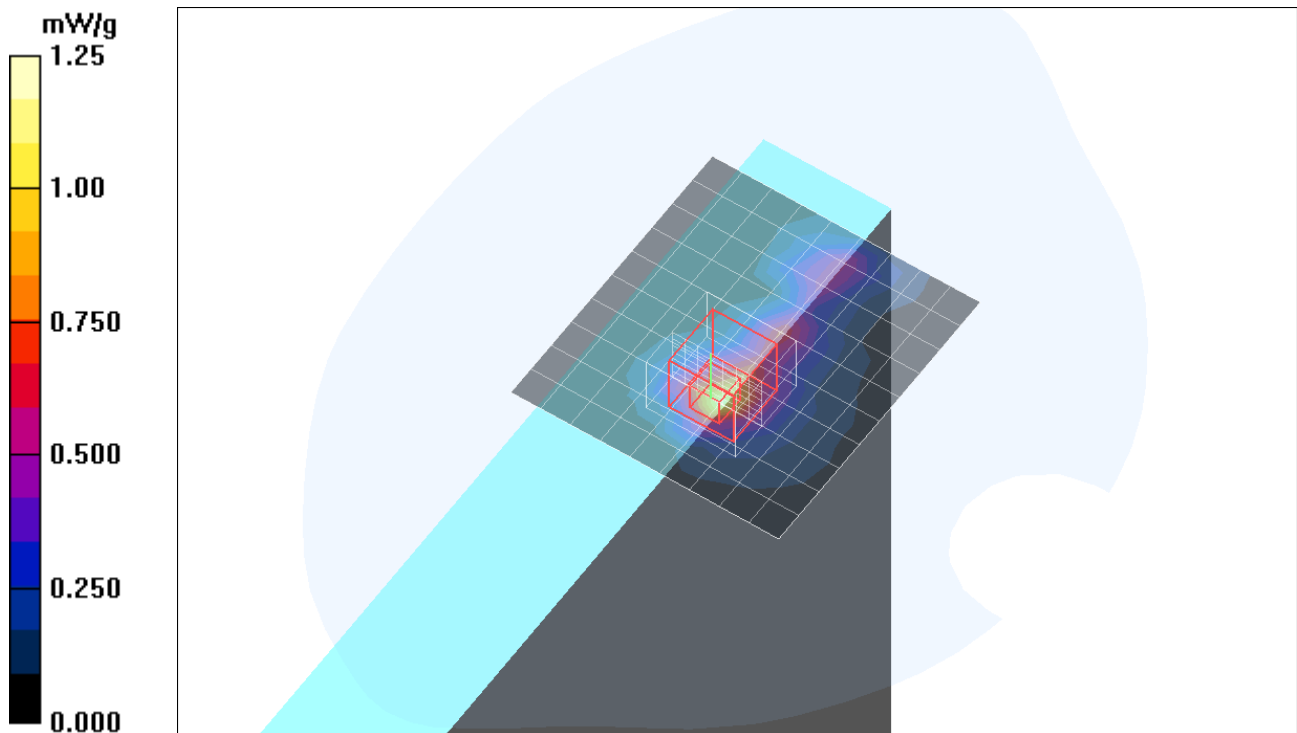
Reference Value = 10.2 V/m; Power Drift = -0.076 dB

Peak SAR (extrapolated) = 2.48 W/kg

**SAR(1 g) = 0.624 mW/g; SAR(10 g) = 0.216 mW/g**

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

Maximum value of SAR (measured) = 1.25 mW/g



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## LCD Edge AUX ANT

DUT: Toshiba; Type: Toshiba Portege M400 ; Serial: N/A

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

Medium parameters used (interpolated):  $f = 5180$  MHz;  $\sigma = 5.38$  mho/m;  $\epsilon_r = 48.4$ ;  $\rho = 1000$  kg/m<sup>3</sup>

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\_L-ch/Area Scan (9x11x1):** Measurement grid: dx=10mm, dy=10mm

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

Maximum value of SAR (measured) = 2.13 mW/g

**5.2 GHz\_L-ch/Zoom Scan (8x8x8)/Cube 0:** Measurement grid: dx=4.3mm, dy=4.3mm, dz=3mm

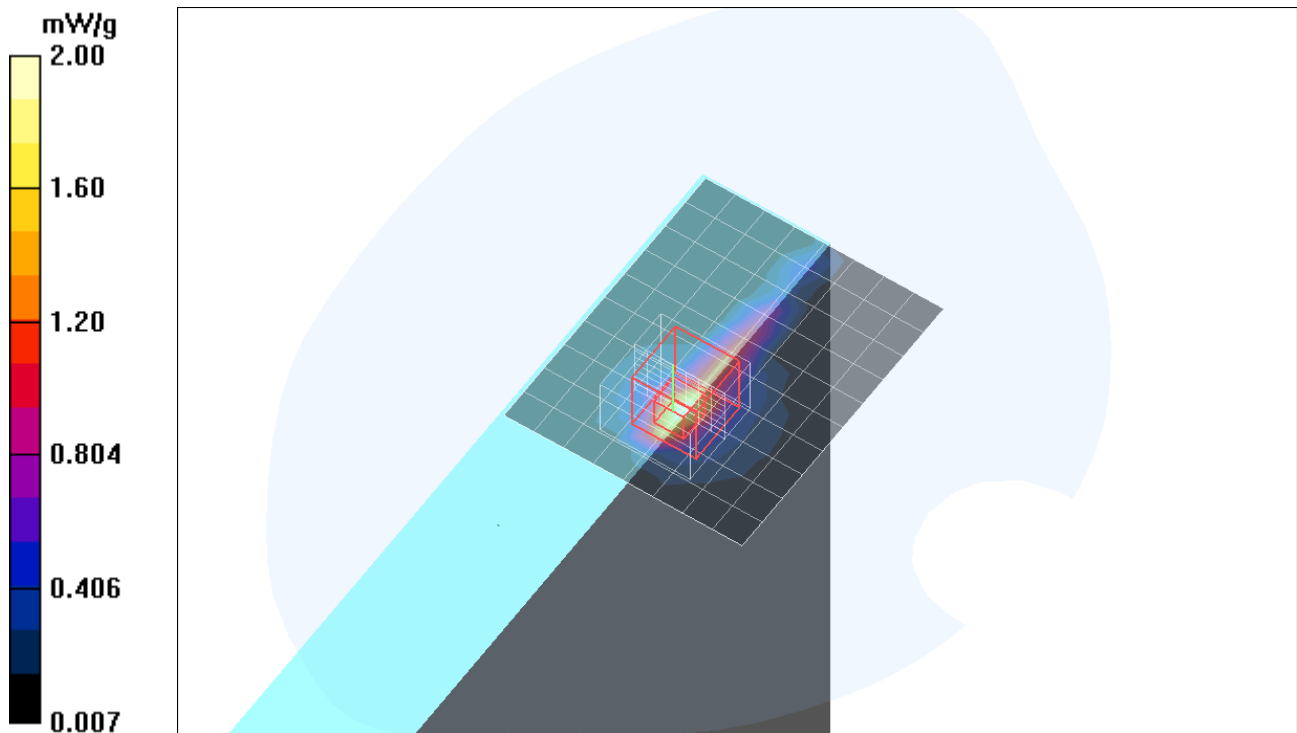
Reference Value = 14.1 V/m; Power Drift = -0.023 dB

Peak SAR (extrapolated) = 3.88 W/kg

**SAR(1 g) = 1.02 mW/g; SAR(10 g) = 0.329 mW/g**

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

Maximum value of SAR (measured) = 2.00 mW/g



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## LCD Edge AUX ANT

DUT: Toshiba; Type: Toshiba Portege M400 ; Serial: N/A

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

Medium parameters used (interpolated):  $f = 5260$  MHz;  $\sigma = 5.49$  mho/m;  $\epsilon_r = 48.2$ ;  $\rho = 1000$  kg/m<sup>3</sup>

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 (9x11x1):** Measurement grid: dx=10mm, dy=10mm

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

Maximum value of SAR (measured) = 2.38 mW/g

**5.2 GHz\_M-ch/Zoom Scan (8x8x8)/Cube 0:** Measurement grid: dx=4.3mm, dy=4.3mm, dz=3mm

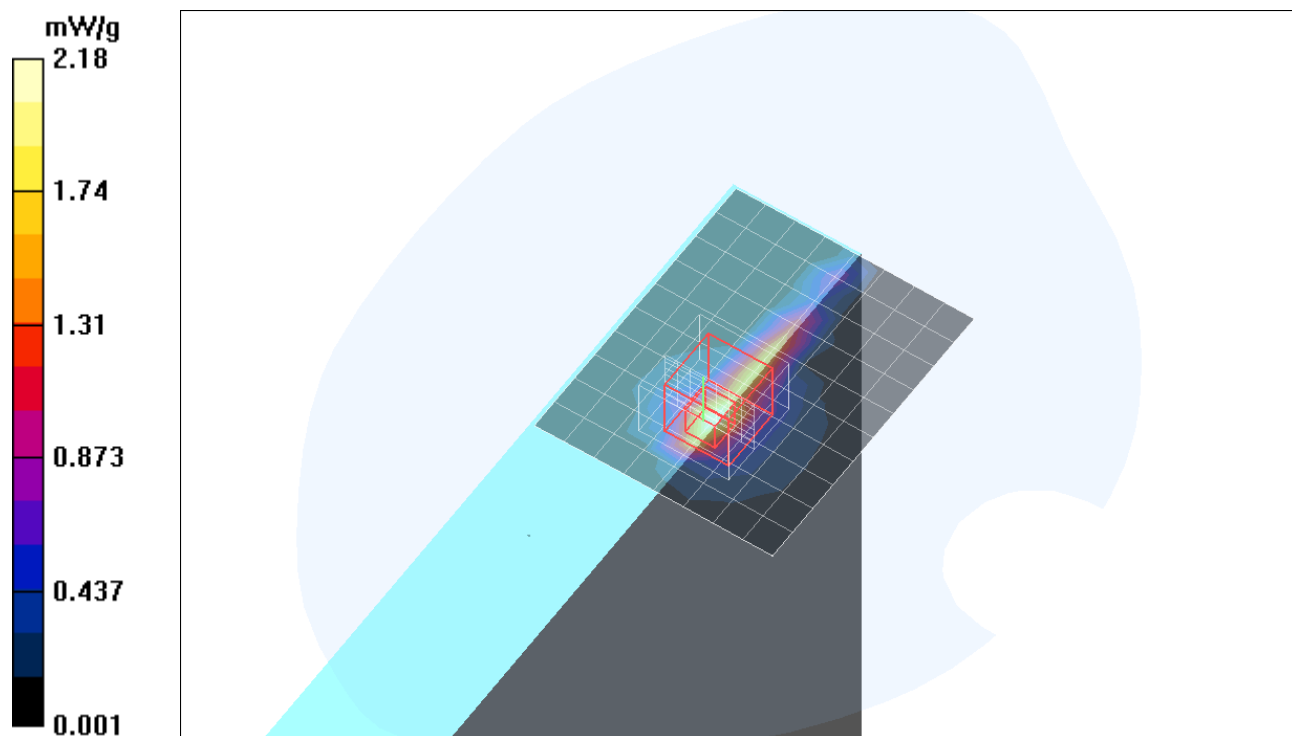
Reference Value = 15.8 V/m; Power Drift = -0.106 dB

Peak SAR (extrapolated) = 4.22 W/kg

**SAR(1 g) = 1.13 mW/g; SAR(10 g) = 0.372 mW/g**

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

Maximum value of SAR (measured) = 2.18 mW/g



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## LCD Edge AUX ANT

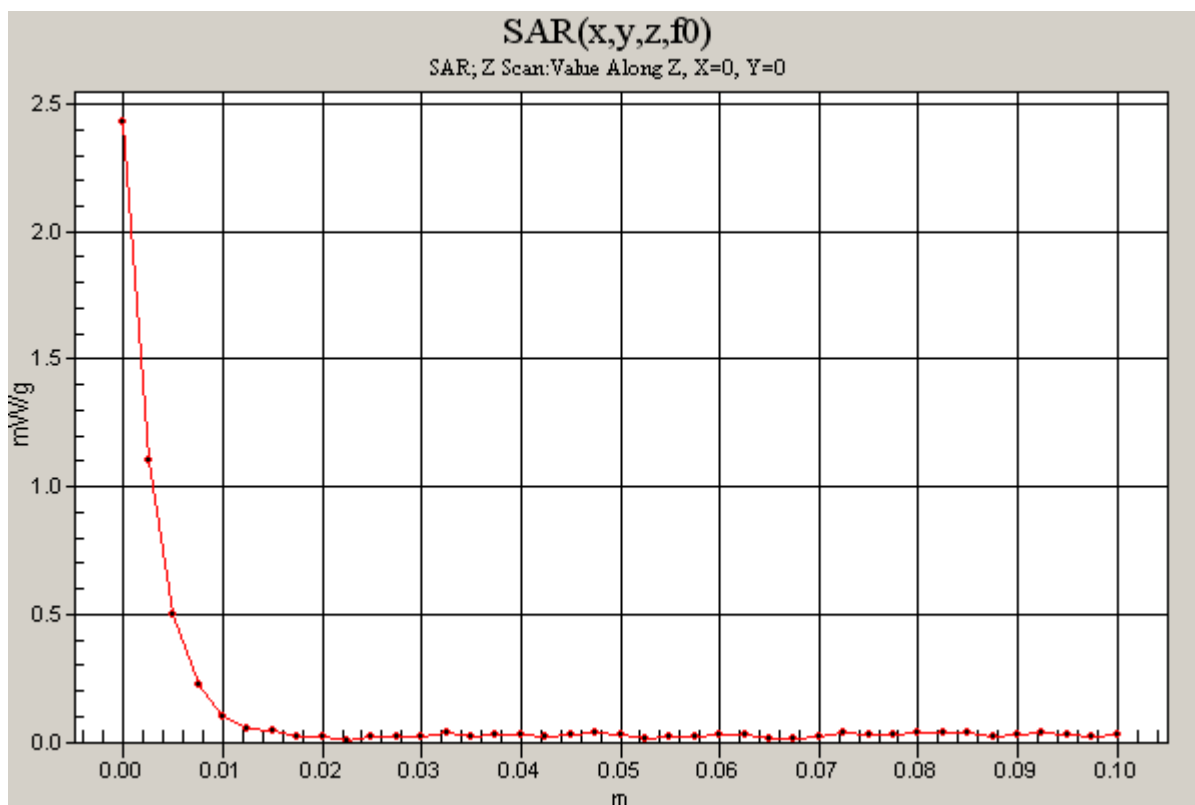
DUT: Toshiba; Type: Toshiba Portege M400 ; Serial: N/A

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

**5.2 GHz\_M-ch/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) = 2.43 mW/g



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## LCD Edge AUX ANT

DUT: Toshiba; Type: Toshiba Portege M400 ; Serial: N/A

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

Medium parameters used (interpolated):  $f = 5320$  MHz;  $\sigma = 5.58$  mho/m;  $\epsilon_r = 48.1$ ;  $\rho = 1000$  kg/m<sup>3</sup>

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\_H-ch/Area Scan (9x11x1):** Measurement grid: dx=10mm, dy=10mm

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

Maximum value of SAR (measured) = 2.10 mW/g

**5.2 GHz\_H-ch/Zoom Scan (8x8x8)/Cube 0:** Measurement grid: dx=4.3mm, dy=4.3mm, dz=3mm

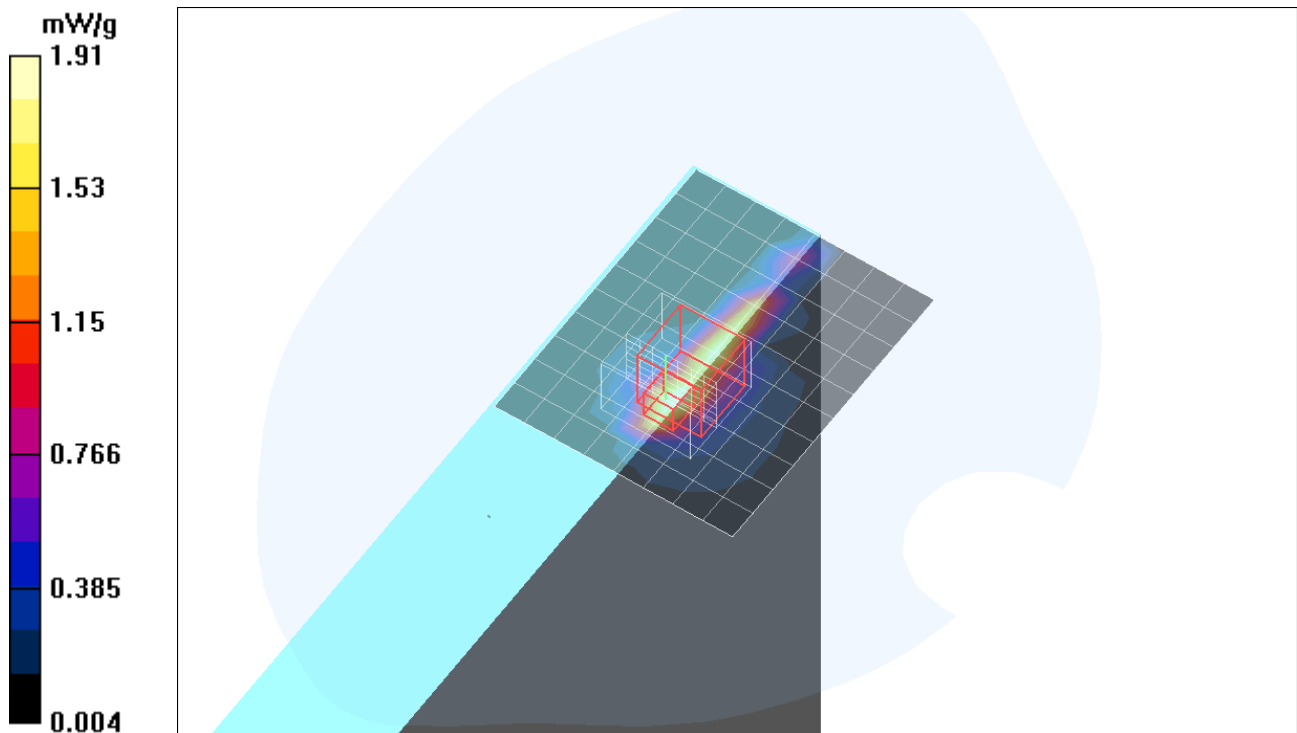
Reference Value = 15.1 V/m; Power Drift = -0.147 dB

Peak SAR (extrapolated) = 3.73 W/kg

**SAR(1 g) = 0.970 mW/g; SAR(10 g) = 0.331 mW/g**

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

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



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## LCD Edge AUX ANT

DUT: Toshiba; Type: Toshiba Portege M400 ; Serial: N/A

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

Medium parameters used (interpolated):  $f = 5260$  MHz;  $\sigma = 5.49$  mho/m;  $\epsilon_r = 48.2$ ;  $\rho = 1000$  kg/m<sup>3</sup>

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 (9x11x1): Measurement grid: dx=10mm, dy=10mm

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

Maximum value of SAR (measured) = 2.36 mW/g

### 5.2 GHz\_M-ch with Bluetooth/Zoom Scan (8x8x8)/Cube 0: Measurement grid: dx=4.3mm, dy=4.3mm, dz=3mm

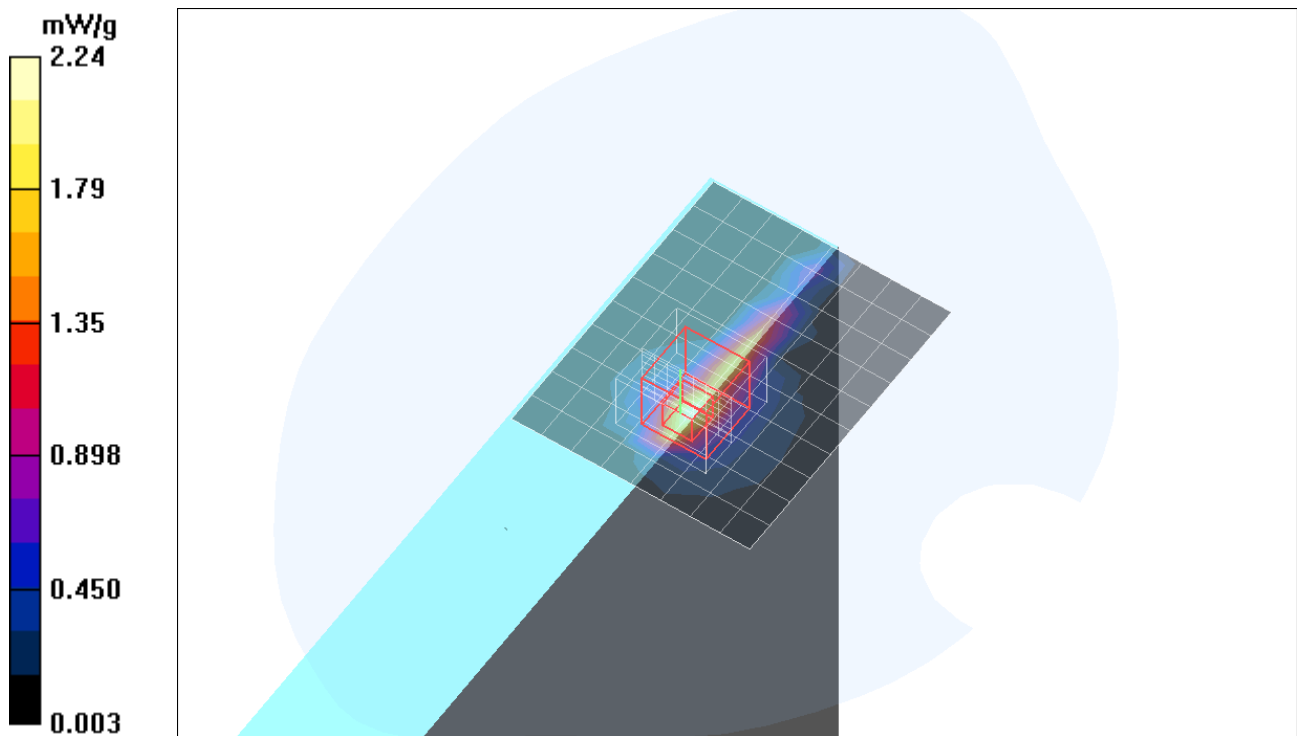
Reference Value = 16.0 V/m; Power Drift = 0.012 dB

Peak SAR (extrapolated) = 4.34 W/kg

**SAR(1 g) = 1.15 mW/g; SAR(10 g) = 0.378 mW/g**

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

Maximum value of SAR (measured) = 2.24 mW/g



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## LCD Edge AUX ANT

DUT: Toshiba; Type: Toshiba Portege M400 ; Serial: N/A

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

Medium parameters used (interpolated):  $f = 5745$  MHz;  $\sigma = 6.18$  mho/m;  $\epsilon_r = 47.3$ ;  $\rho = 1000$  kg/m<sup>3</sup>

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 (8x11x1):** Measurement grid: dx=10mm, dy=10mm

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

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

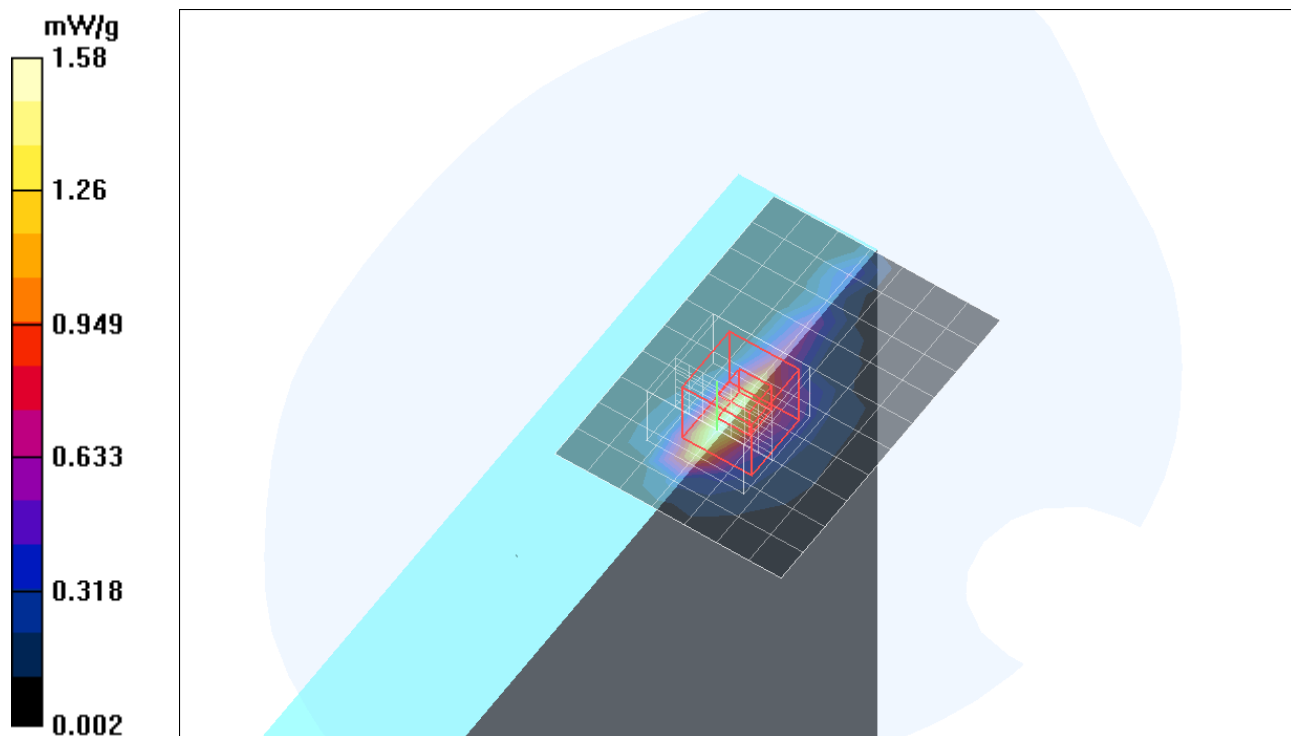
**5.8 GHz\_L-ch/Zoom Scan (8x8x8)/Cube 0:** Measurement grid: dx=4.3mm, dy=4.3mm, dz=3mm

Reference Value = 13.7 V/m; Power Drift = -0.214 dB

Peak SAR (extrapolated) = 3.14 W/kg

**SAR(1 g) = 0.744 mW/g; SAR(10 g) = 0.260 mW/g**

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





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## LCD Edge AUX ANT

DUT: Toshiba; Type: Toshiba Portege M400 ; Serial: N/A

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

Medium parameters used (interpolated):  $f = 5785$  MHz;  $\sigma = 6.24$  mho/m;  $\epsilon_r = 47.2$ ;  $\rho = 1000$  kg/m<sup>3</sup>

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 (8x11x1):** Measurement grid: dx=10mm, dy=10mm

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

Maximum value of SAR (measured) = 1.44 mW/g

**5.8 GHz\_M-ch/Zoom Scan (8x8x8)/Cube 0:** Measurement grid: dx=4.3mm, dy=4.3mm, dz=3mm

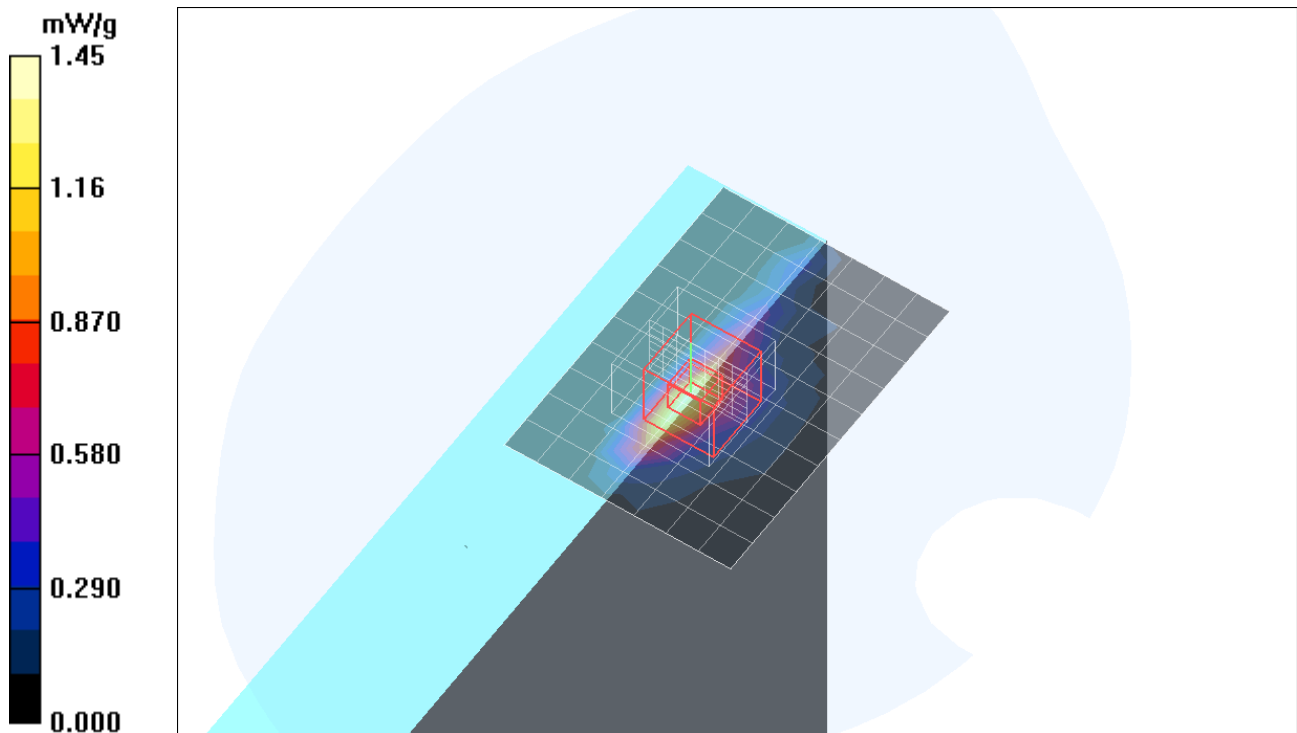
Reference Value = 13.4 V/m; Power Drift = -0.240 dB

Peak SAR (extrapolated) = 3.16 W/kg

**SAR(1 g) = 0.727 mW/g; SAR(10 g) = 0.229 mW/g**

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

Maximum value of SAR (measured) = 1.45 mW/g



Test Laboratory: Compliance Certification Services

## LCD Edge AUX ANT

DUT: Toshiba; Type: Toshiba Portege M400 ; Serial: N/A

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

Medium parameters used (interpolated):  $f = 5825$  MHz;  $\sigma = 6.29$  mho/m;  $\epsilon_r = 47.1$ ;  $\rho = 1000$  kg/m<sup>3</sup>

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 (10x11x1):** Measurement grid: dx=10mm, dy=10mm

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

Maximum value of SAR (measured) = 1.66 mW/g

**5.8 GHz\_H-ch/Zoom Scan (8x8x8)/Cube 0:** Measurement grid: dx=4.3mm, dy=4.3mm, dz=3mm

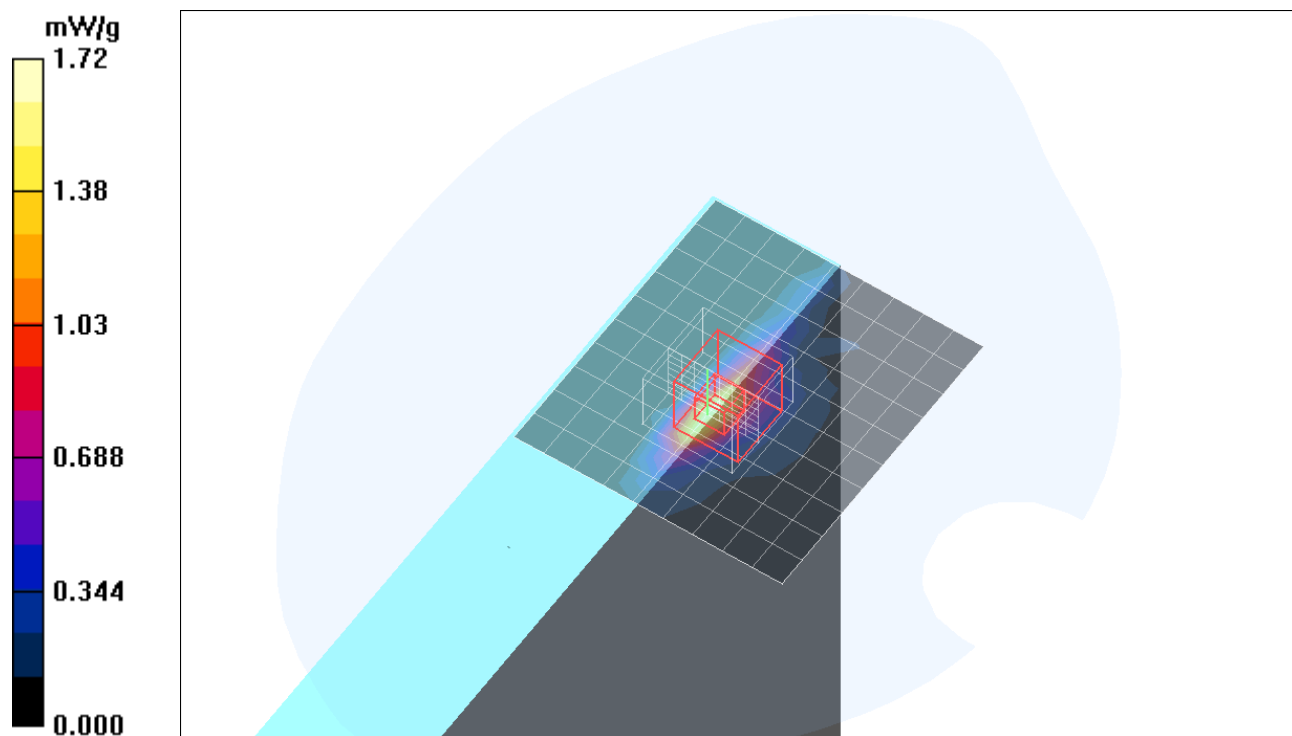
Reference Value = 12.0 V/m; Power Drift = -0.258 dB

Peak SAR (extrapolated) = 3.54 W/kg

**SAR(1 g) = 0.827 mW/g; SAR(10 g) = 0.258 mW/g**

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

Maximum value of SAR (measured) = 1.72 mW/g



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## LCD Edge AUX ANT

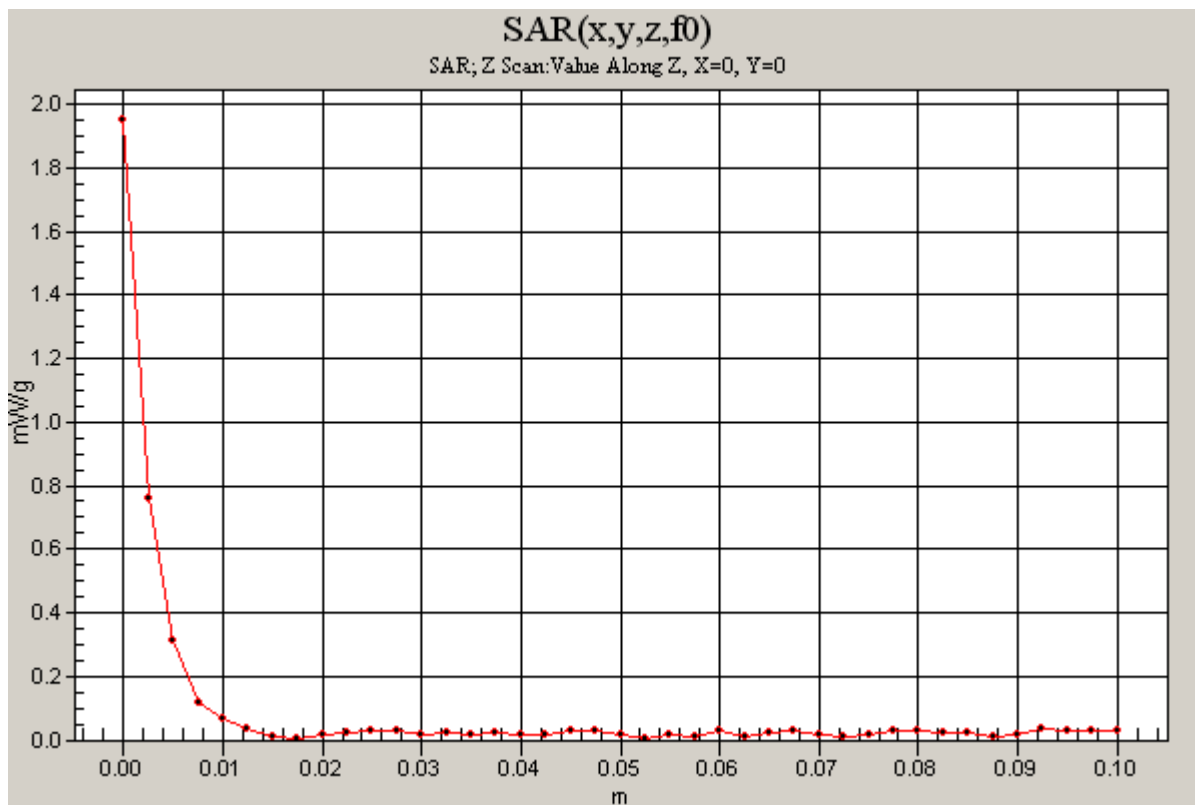
DUT: Toshiba; Type: Toshiba Portege M400 ; Serial: N/A

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

**5.8 GHz\_H-ch/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) = 1.95 mW/g



Test Laboratory: Compliance Certification Services

## LCD Edge AUX ANT

DUT: Toshiba; Type: Toshiba Portege M400 ; Serial: N/A

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

Medium parameters used (interpolated):  $f = 5825$  MHz;  $\sigma = 6.29$  mho/m;  $\epsilon_r = 47.1$ ;  $\rho = 1000$  kg/m<sup>3</sup>

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 (8x11x1): Measurement grid: dx=10mm, dy=10mm

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

Maximum value of SAR (measured) = 1.69 mW/g

### 5.8 GHz\_H-ch with Bluetooth/Zoom Scan (8x8x8)/Cube 0: Measurement grid: dx=4.3mm, dy=4.3mm, dz=3mm

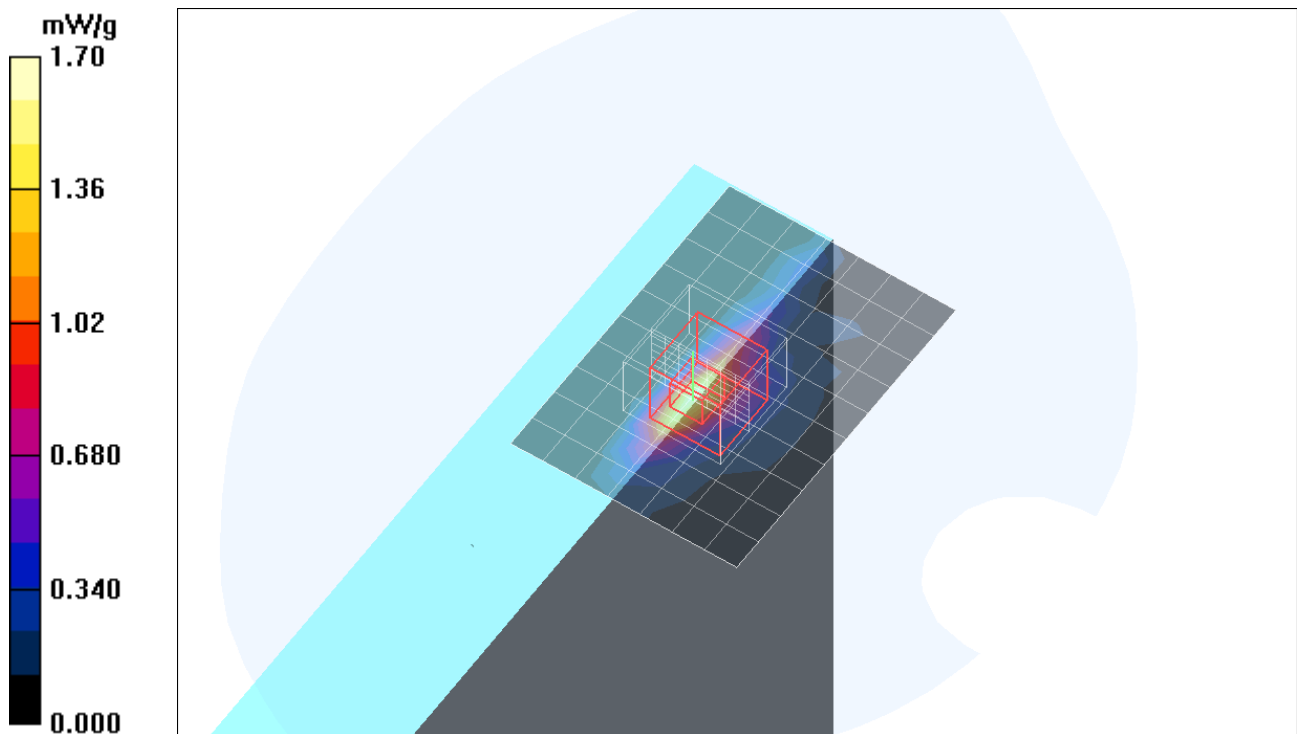
Reference Value = 14.4 V/m; Power Drift = -0.203 dB

Peak SAR (extrapolated) = 3.58 W/kg

**SAR(1 g) = 0.821 mW/g; SAR(10 g) = 0.262 mW/g**

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

Maximum value of SAR (measured) = 1.70 mW/g



Test Laboratory: Compliance Certification Services

## Lap Held Main Ant

DUT: Toshiba; Type: Toshiba Portege M400 ; Serial: N/A

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

Medium parameters used (interpolated):  $f = 5260$  MHz;  $\sigma = 5.48$  mho/m;  $\epsilon_r = 46.9$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

Room Ambient Temperature: 25.0 deg. C; Liquid Temperature: 24.5 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 (12x15x1):** Measurement grid: dx=10mm, dy=10mm

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

Maximum value of SAR (measured) = 0.047 mW/g

**5.2 GHz\_M-ch/Zoom Scan (8x8x8)/Cube 0:** Measurement grid: dx=4.3mm, dy=4.3mm, dz=3mm

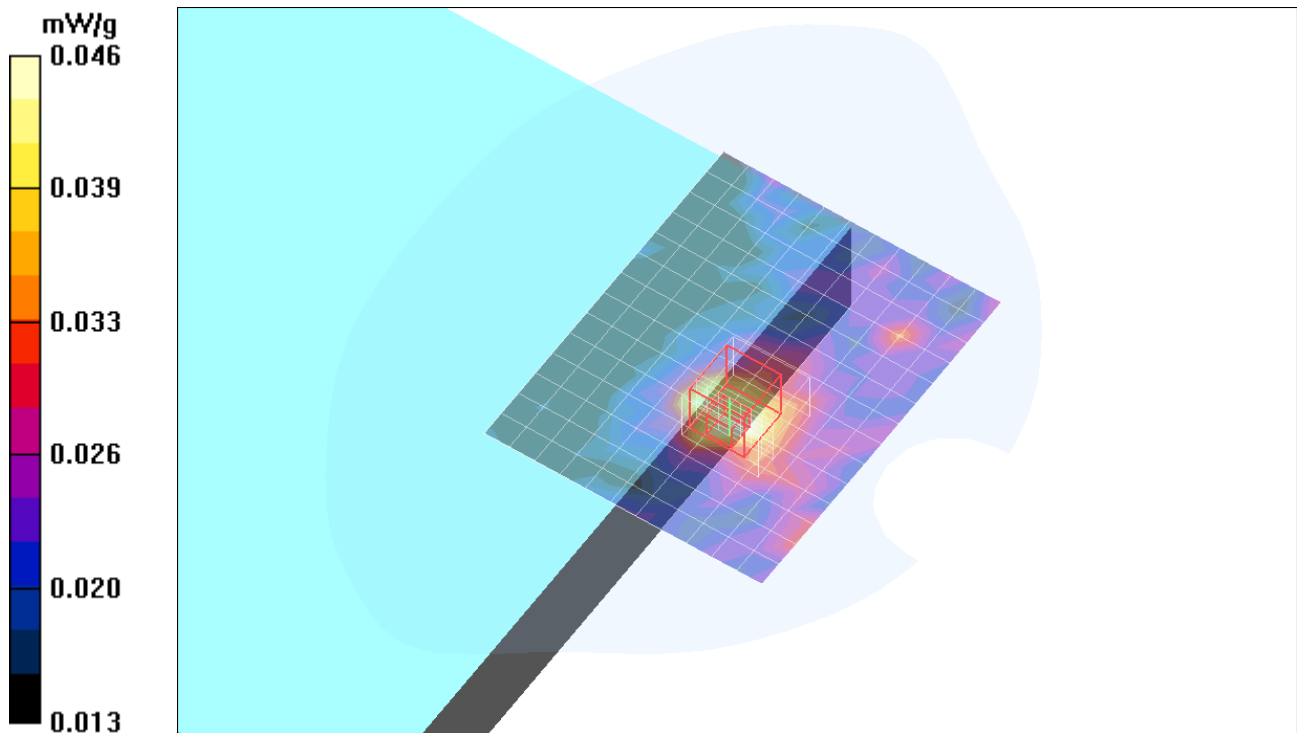
Reference Value = 1.86 V/m; Power Drift = 0.143 dB

Peak SAR (extrapolated) = 0.072 W/kg

**SAR(1 g) = 0.034 mW/g; SAR(10 g) = 0.028 mW/g**

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

Maximum value of SAR (measured) = 0.046 mW/g



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## Lap Held Main Ant

DUT: Toshiba; Type: Toshiba Portege M400 ; Serial: N/A

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

Medium parameters used (interpolated):  $f = 5825$  MHz;  $\sigma = 6.27$  mho/m;  $\epsilon_r = 45.8$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

Room Ambient Temperature: 25.0 deg. C; Liquid Temperature: 24.5 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 (12x15x1):** Measurement grid: dx=10mm, dy=10mm

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

Maximum value of SAR (measured) = 0.051 mW/g

**5.8 GHz\_H-ch/Zoom Scan (8x8x8)/Cube 0:** Measurement grid: dx=4.3mm, dy=4.3mm, dz=3mm

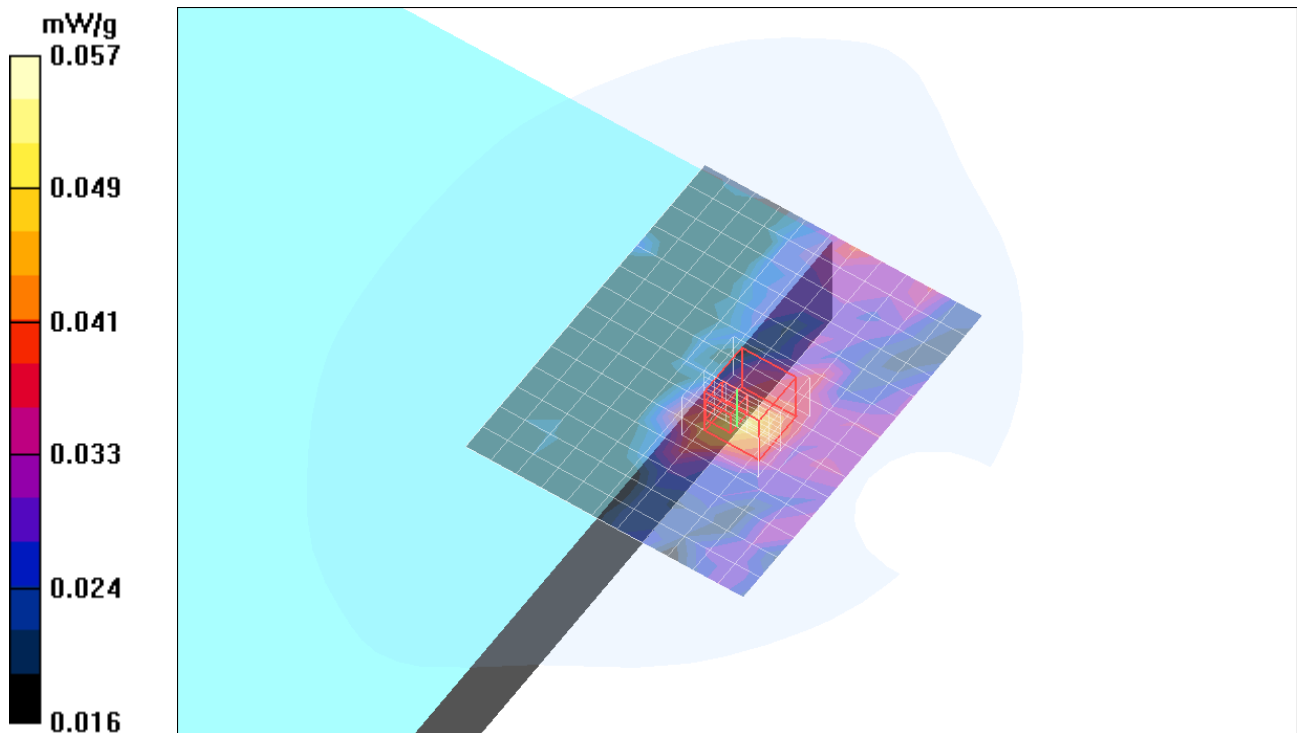
Reference Value = 1.74 V/m; Power Drift = 0.179 dB

Peak SAR (extrapolated) = 0.085 W/kg

**SAR(1 g) = 0.040 mW/g; SAR(10 g) = 0.035 mW/g**

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

Maximum value of SAR (measured) = 0.057 mW/g



Test Laboratory: Compliance Certification Services

## Lap Held AUX Ant

DUT: Toshiba; Type: Toshiba Portege M400 ; Serial: N/A

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

Medium parameters used (interpolated):  $f = 5260$  MHz;  $\sigma = 5.48$  mho/m;  $\epsilon_r = 46.9$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

Room Ambient Temperature: 25.0 deg. C; Liquid Temperature: 24.5 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 2/Area Scan (12x12x1):** Measurement grid: dx=10mm, dy=10mm

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

Maximum value of SAR (measured) = 0.029 mW/g

**5.2 GHz\_M-ch 2/Zoom Scan (8x8x8)/Cube 0:** Measurement grid: dx=4.3mm, dy=4.3mm, dz=3mm

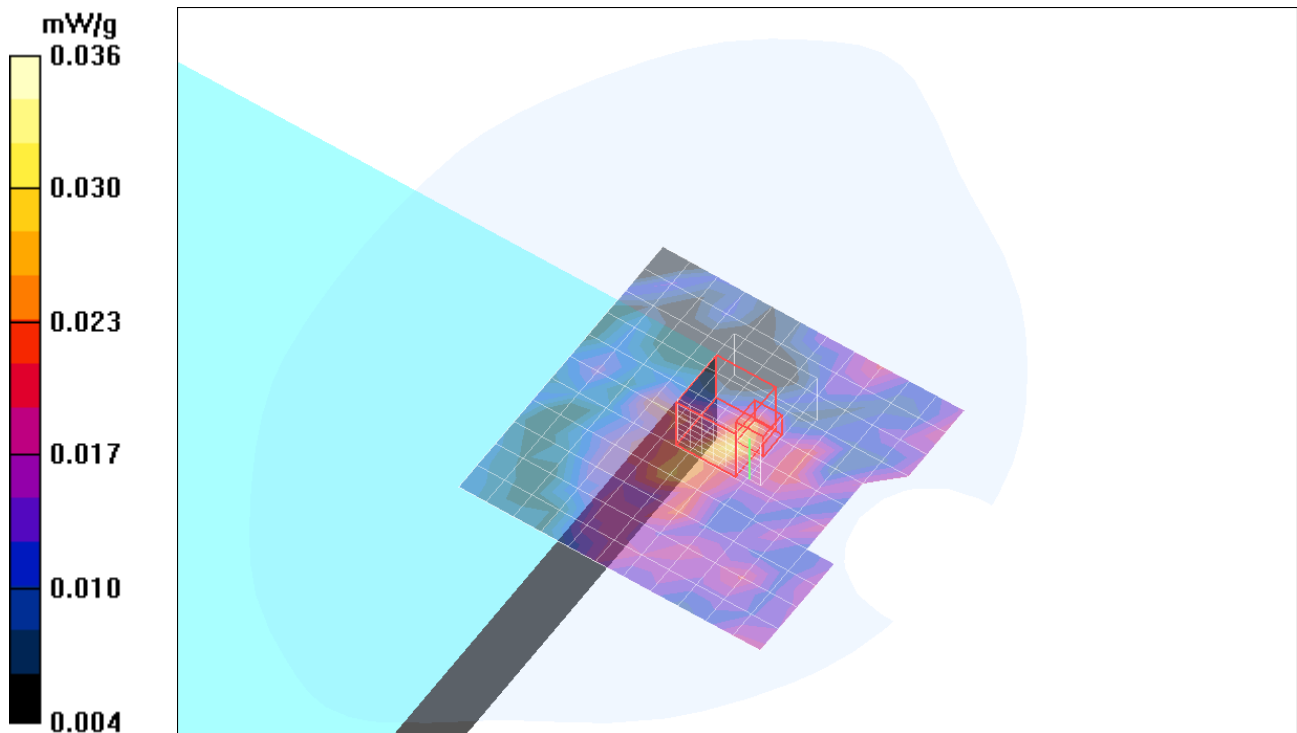
Reference Value = 1.71 V/m; Power Drift = 0.181 dB

Peak SAR (extrapolated) = 0.076 W/kg

**SAR(1 g) = 0.026 mW/g; SAR(10 g) = 0.020 mW/g**

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

Maximum value of SAR (measured) = 0.036 mW/g



Test Laboratory: Compliance Certification Services

## Lap Held AUX Ant

DUT: Toshiba; Type: Toshiba Portege M400 ; Serial: N/A

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

Medium parameters used (interpolated):  $f = 5825$  MHz;  $\sigma = 6.27$  mho/m;  $\epsilon_r = 45.8$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

Room Ambient Temperature: 25.0 deg. C; Liquid Temperature: 24.5 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 (12x12x1):** Measurement grid: dx=10mm, dy=10mm

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

Maximum value of SAR (measured) = 0.031 mW/g

**5.8 GHz\_H-ch/Zoom Scan (8x8x8)/Cube 0:** Measurement grid: dx=4.3mm, dy=4.3mm, dz=3mm

Reference Value = 2.05 V/m; Power Drift = 0.028 dB

Peak SAR (extrapolated) = 0.043 W/kg

**SAR(1 g) = 0.029 mW/g; SAR(10 g) = 0.026 mW/g**

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

Maximum value of SAR (measured) = 0.042 mW/g

