

Test Laboratory: Compliance Certification Services

Lap Held Position

DUT: ThinkPad X61s; Type: N/A; Serial: D1900V2 - SN:5d043

Communication System: GSM850; Frequency: 837 MHz; Duty Cycle: 1:8

Medium parameters used (interpolated): $f = 837$ MHz; $\sigma = 0.978$ mho/m; $\epsilon_r = 54.4$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Room Ambient Temperature: 22.0 deg. C; Liquid Temperature: 21.0 deg. C

DASY4 Configuration:

- Area Scan setting - Find Secondary Maximum Within: 2.0 dB and with peak SAR value greater than 0.0012W/kg
- Probe: EX3DV4 - SN3552; ConvF(9.57, 9.57, 9.57); Calibrated: 5/30/2006
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn427; Calibrated: 11/16/2006
- Phantom: Flat Phantom ELI4.0; Type: QDOVA001BA; Serial: SN:1003
- Measurement SW: DASY4, V4.7 Build 53; Postprocessing SW: SEMCAD, V1.8 Build 172

GPRS 1 slot - ch 192/Area Scan (17x18x1): Measurement grid: dx=15mm, dy=15mm

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

Maximum value of SAR (measured) = 0.003 mW/g

GPRS 1 slot - ch 192/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm

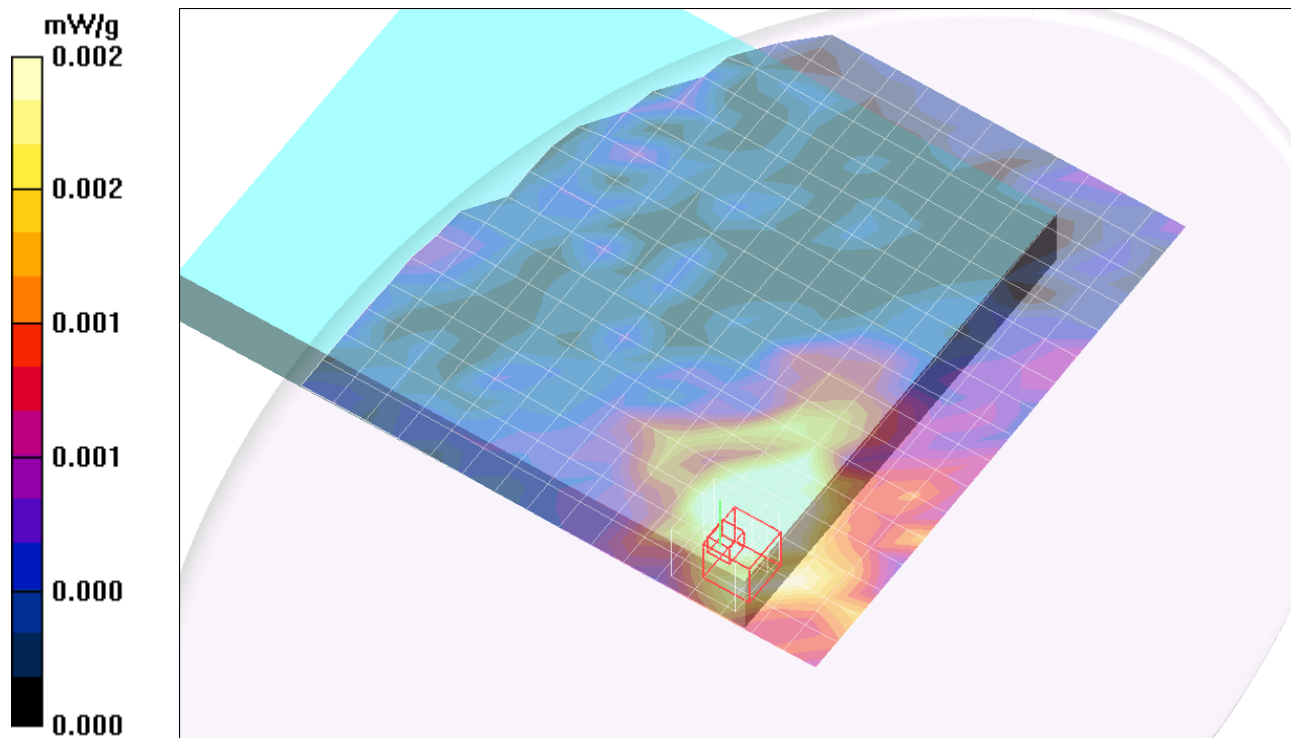
Reference Value = 1.27 V/m; Power Drift = 0.113 dB

Peak SAR (extrapolated) = 0.008 W/kg

SAR(1 g) = 0.00221 mW/g; SAR(10 g) = 0.00118 mW/g

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

Maximum value of SAR (measured) = 0.002 mW/g



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DUT: ThinkPad X61s; Type: N/A; Serial: D1900V2 - SN:5d043

Communication System: GSM850; Frequency: 837 MHz; Duty Cycle: 1:4

Medium parameters used (interpolated): $f = 837$ MHz; $\sigma = 0.978$ mho/m; $\epsilon_r = 54.4$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Room Ambient Temperature: 22.0 deg. C; Liquid Temperature: 21.0 deg. C

DASY4 Configuration:

- Area Scan setting - Find Secondary Maximum Within: 2.0 dB and with peak SAR value greater than 0.0012W/kg
- Probe: EX3DV4 - SN3552; ConvF(9.57, 9.57, 9.57); Calibrated: 5/30/2006
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn427; Calibrated: 11/16/2006
- Phantom: Flat Phantom ELI4.0; Type: QDOVA001BA; Serial: SN:1003
- Measurement SW: DASY4, V4.7 Build 53; Postprocessing SW: SEMCAD, V1.8 Build 172

GPRS 2 slots - ch 192/Area Scan (11x11x1): Measurement grid: dx=15mm, dy=15mm

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

Maximum value of SAR (measured) = 0.006 mW/g

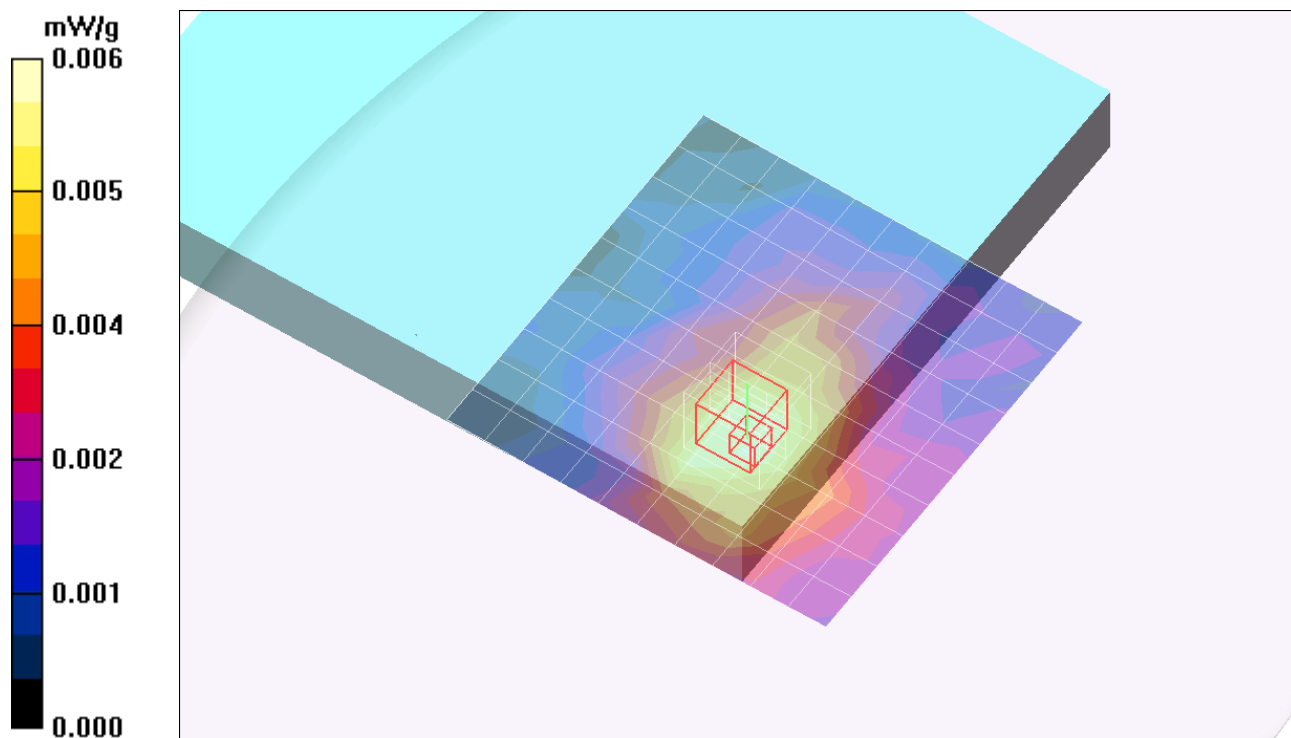
GPRS 2 slots - ch 192/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm

Reference Value = 2.09 V/m; Power Drift = 0.093 dB

Peak SAR (extrapolated) = 0.008 W/kg

SAR(1 g) = 0.00541 mW/g; SAR(10 g) = 0.00389 mW/g

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



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Lap Held Position

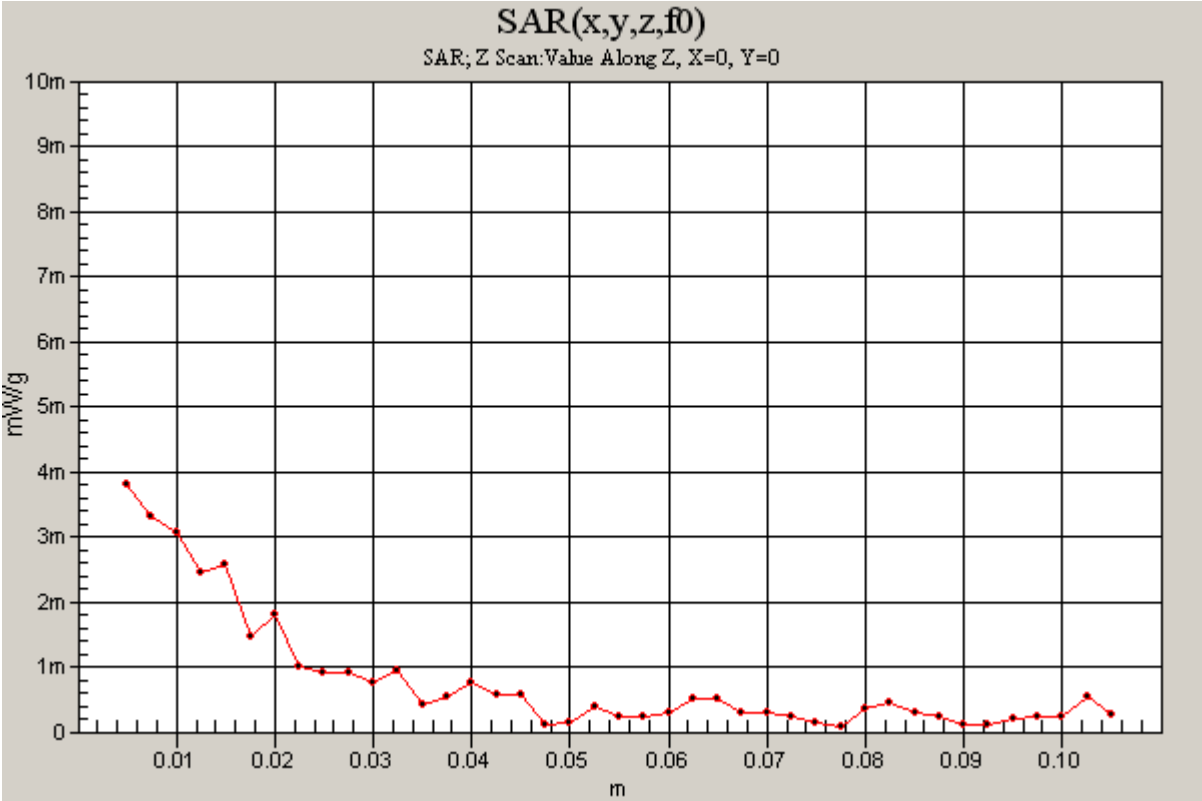
DUT: ThinkPad X61s; Type: N/A; Serial: D1900V2 - SN:5d043

Communication System: GSM850; Frequency: 837 MHz;Duty Cycle: 1:4

GPRS 2 slots - ch 192/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) = 0.004 mW/g



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Lap Held Position

DUT: ThinkPad X61s; Type: N/A; Serial: D1900V2 - SN:5d043

Communication System: GSM850; Frequency: 837 MHz; Duty Cycle: 1:2.67

Medium parameters used (interpolated): $f = 837$ MHz; $\sigma = 0.978$ mho/m; $\epsilon_r = 54.4$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Room Ambient Temperature: 22.0 deg. C; Liquid Temperature: 21.0 deg. C

DASY4 Configuration:

- Area Scan setting - Find Secondary Maximum Within: 2.0 dB and with peak SAR value greater than 0.0012W/kg
- Probe: EX3DV4 - SN3552; ConvF(9.57, 9.57, 9.57); Calibrated: 5/30/2006
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn427; Calibrated: 11/16/2006
- Phantom: Flat Phantom ELI4.0; Type: QDOVA001BA; Serial: SN:1003
- Measurement SW: DASY4, V4.7 Build 53; Postprocessing SW: SEMCAD, V1.8 Build 172

GPRS 3 slots - ch 192/Area Scan (11x11x1): Measurement grid: dx=15mm, dy=15mm

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

Maximum value of SAR (measured) = 0.004 mW/g

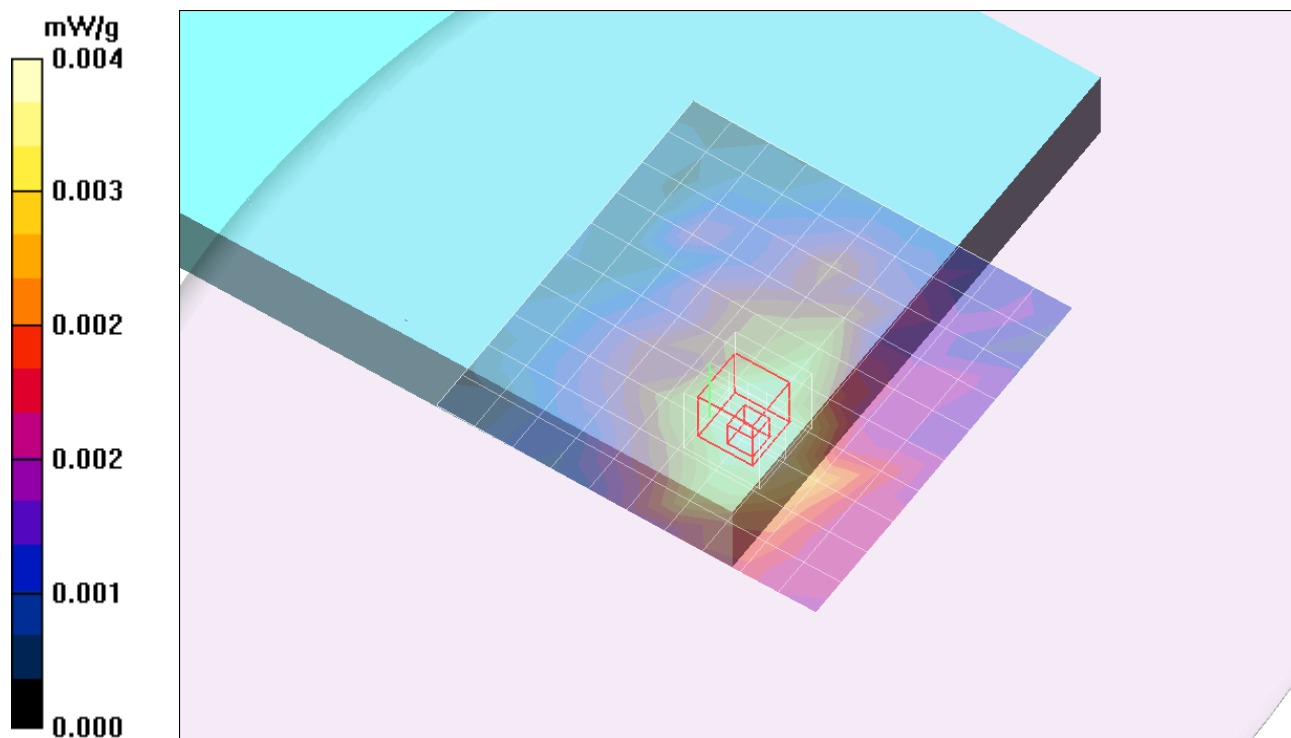
GPRS 3 slots - ch 192/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm

Reference Value = 1.77 V/m; Power Drift = 0.030 dB

Peak SAR (extrapolated) = 0.006 W/kg

SAR(1 g) = 0.00401 mW/g; SAR(10 g) = 0.00284 mW/g

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



Test Laboratory: Compliance Certification Services

Lap Held Position

DUT: ThinkPad X61s; Type: N/A; Serial: D1900V2 - SN:5d043

Communication System: GSM850; Frequency: 837 MHz; Duty Cycle: 1:2

Medium parameters used (interpolated): $f = 837$ MHz; $\sigma = 0.978$ mho/m; $\epsilon_r = 54.4$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Room Ambient Temperature: 22.0 deg. C; Liquid Temperature: 21.0 deg. C

DASY4 Configuration:

- Area Scan setting - Find Secondary Maximum Within: 2.0 dB and with peak SAR value greater than 0.0012W/kg
- Probe: EX3DV4 - SN3552; ConvF(9.57, 9.57, 9.57); Calibrated: 5/30/2006
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn427; Calibrated: 11/16/2006
- Phantom: Flat Phantom ELI4.0; Type: QDOVA001BA; Serial: SN:1003
- Measurement SW: DASY4, V4.7 Build 53; Postprocessing SW: SEMCAD, V1.8 Build 172

GPRS 4 slots - ch 192/Area Scan (11x11x1): Measurement grid: dx=15mm, dy=15mm

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

Maximum value of SAR (measured) = 0.003 mW/g

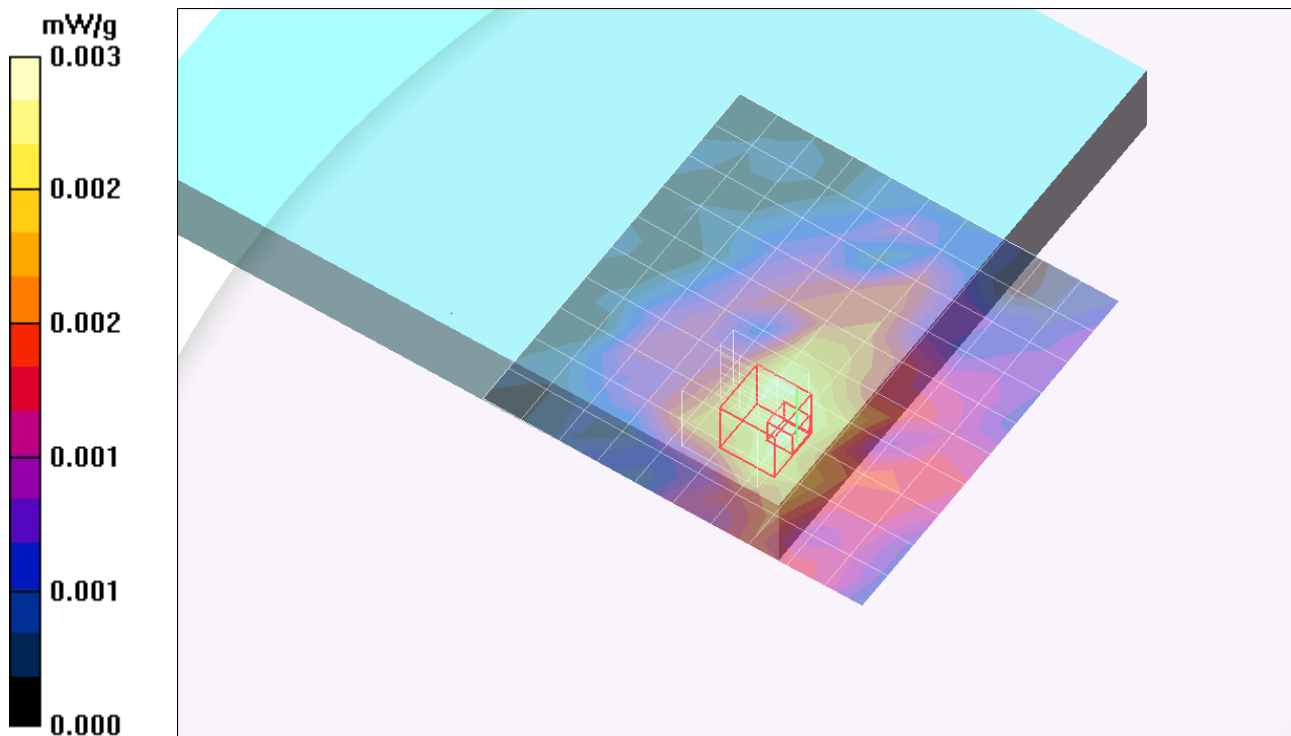
GPRS 4 slots - ch 192/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm

Reference Value = 1.55 V/m; Power Drift = -0.117 dB

Peak SAR (extrapolated) = 0.006 W/kg

SAR(1 g) = 0.00253 mW/g; SAR(10 g) = 0.00172 mW/g

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



Test Laboratory: Compliance Certification Services

Lap Held Position

DUT: ThinkPad X61s; Type: N/A; Serial: D1900V2 - SN:5d043

Communication System: GSM850; Frequency: 836.4 MHz; Duty Cycle: 1:1

Medium parameters used (interpolated): $f = 836.4$ MHz; $\sigma = 0.978$ mho/m; $\epsilon_r = 54.4$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Room Ambient Temperature: 22.0 deg. C; Liquid Temperature: 21.0 deg. C

DASY4 Configuration:

- Area Scan setting - Find Secondary Maximum Within: 2.0 dB and with peak SAR value greater than 0.0012W/kg
- Probe: EX3DV4 - SN3552; ConvF(9.57, 9.57, 9.57); Calibrated: 5/30/2006
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn427; Calibrated: 11/16/2006
- Phantom: Flat Phantom ELI4.0; Type: QDOVA001BA; Serial: SN:1003
- Measurement SW: DASY4, V4.7 Build 53; Postprocessing SW: SEMCAD, V1.8 Build 172

WCDMA - ch 4182/Area Scan (11x11x1): Measurement grid: dx=15mm, dy=15mm

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

Maximum value of SAR (measured) = 0.004 mW/g

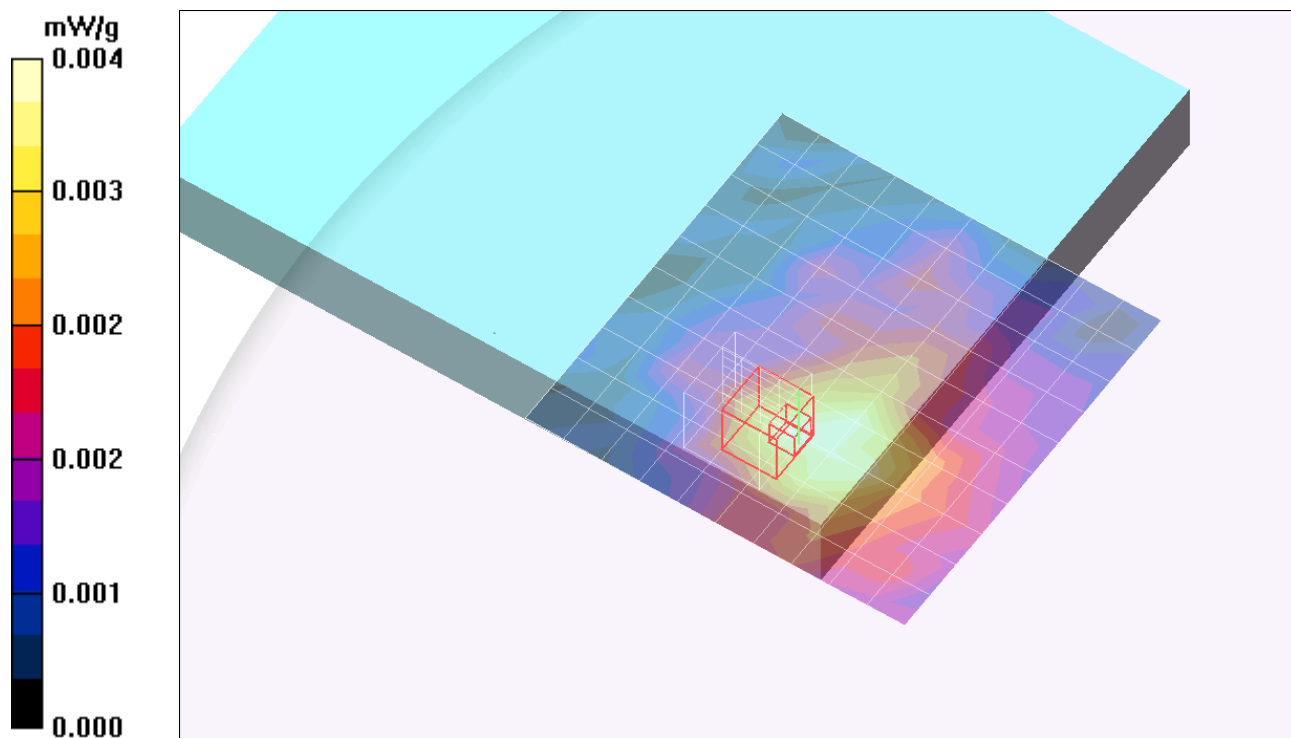
WCDMA - ch 4182/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm

Reference Value = 1.71 V/m; Power Drift = -0.153 dB

Peak SAR (extrapolated) = 0.008 W/kg

SAR(1 g) = 0.00333 mW/g; SAR(10 g) = 0.00199 mW/g

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



Test Laboratory: Compliance Certification Services

Lap Held Position

DUT: ThinkPad X61s; Type: N/A; Serial: D1900V2 - SN:5d043

Communication System: PCS 1900; Frequency: 1880 MHz; Duty Cycle: 1:8
Medium parameters used: $f = 1880$ MHz; $\sigma = 1.47$ mho/m; $\epsilon_r = 55.3$; $\rho = 1000$ kg/m³
Phantom section: Flat Section

Room Ambient Temperature: 22.0 deg. C; Liquid Temperature: 21.0 deg. C

DASY4 Configuration:

- Area Scan setting - Find Secondary Maximum Within: 2.0 dB and with peak SAR value greater than 0.0012W/kg
- Probe: EX3DV4 - SN3552; ConvF(7.6, 7.6, 7.6); Calibrated: 5/30/2006
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn427; Calibrated: 11/16/2006
- Phantom: SAM 2; Type: SAM 2; Serial: 1050
- Measurement SW: DASY4, V4.7 Build 53; Postprocessing SW: SEMCAD, V1.8 Build 172

GPRS 1 slot - ch 661/Area Scan (10x9x1): Measurement grid: dx=15mm, dy=15mm

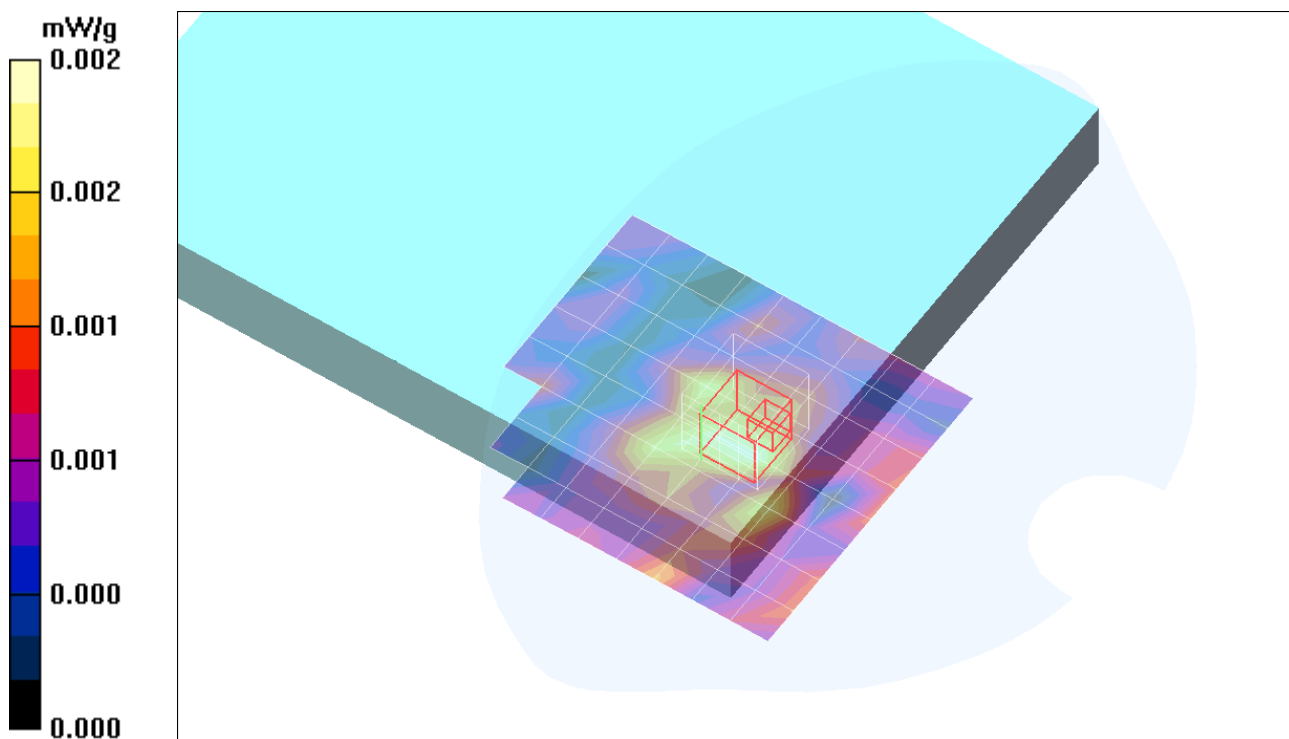
Maximum value of SAR (measured) = 0.002 mW/g

GPRS 1 slot - ch 661/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm

Reference Value = 0.969 V/m; Power Drift = 0.182 dB

Peak SAR (extrapolated) = 0.006 W/kg

SAR(1 g) = 0.0012 mW/g; SAR(10 g) = 0.000279 mW/g



Test Laboratory: Compliance Certification Services

Lap Held Position

DUT: ThinkPad X61s; Type: N/A; Serial: D1900V2 - SN:5d043

Communication System: PCS 1900; Frequency: 1880 MHz; Duty Cycle: 1:4

Medium parameters used: $f = 1880$ MHz; $\sigma = 1.47$ mho/m; $\epsilon_r = 55.3$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Room Ambient Temperature: 22.0 deg. C; Liquid Temperature: 21.0 deg. C

DASY4 Configuration:

- Area Scan setting - Find Secondary Maximum Within: 2.0 dB and with peak SAR value greater than 0.0012W/kg
- Probe: EX3DV4 - SN3552; ConvF(7.6, 7.6, 7.6); Calibrated: 5/30/2006
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn427; Calibrated: 11/16/2006
- Phantom: SAM 2; Type: SAM 2; Serial: 1050
- Measurement SW: DASY4, V4.7 Build 53; Postprocessing SW: SEMCAD, V1.8 Build 172

GPRS 2 slots - ch 661/Area Scan (10x9x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 0.003 mW/g

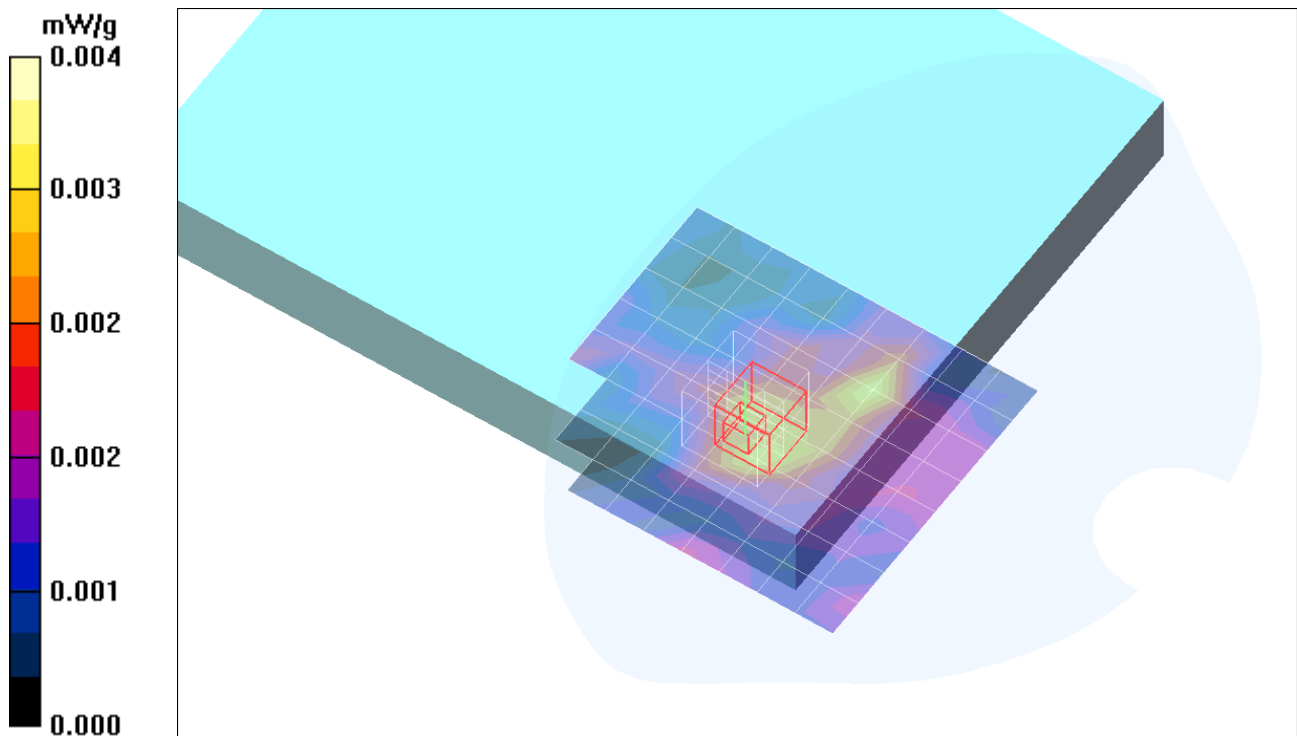
GPRS 2 slots - ch 661/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm

Reference Value = 1.50 V/m; Power Drift = -0.130 dB

Peak SAR (extrapolated) = 0.010 W/kg

SAR(1 g) = 0.00326 mW/g; SAR(10 g) = 0.00152 mW/g

Maximum value of SAR (measured) = 0.004 mW/g



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Lap Held Position

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Communication System: PCS 1900; Frequency: 1880 MHz; Duty Cycle: 1:2.67
Medium parameters used: $f = 1880$ MHz; $\sigma = 1.47$ mho/m; $\epsilon_r = 55.3$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Room Ambient Temperature: 22.0 deg. C; Liquid Temperature: 21.0 deg. C

DASY4 Configuration:

- Area Scan setting - Find Secondary Maximum Within: 2.0 dB and with peak SAR value greater than 0.0012W/kg
- Probe: EX3DV4 - SN3552; ConvF(7.6, 7.6, 7.6); Calibrated: 5/30/2006
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn427; Calibrated: 11/16/2006
- Phantom: SAM 2; Type: SAM 2; Serial: 1050
- Measurement SW: DASY4, V4.7 Build 53; Postprocessing SW: SEMCAD, V1.8 Build 172

GPRS 3 slots - ch 661/Area Scan (10x9x1): Measurement grid: dx=15mm, dy=15mm

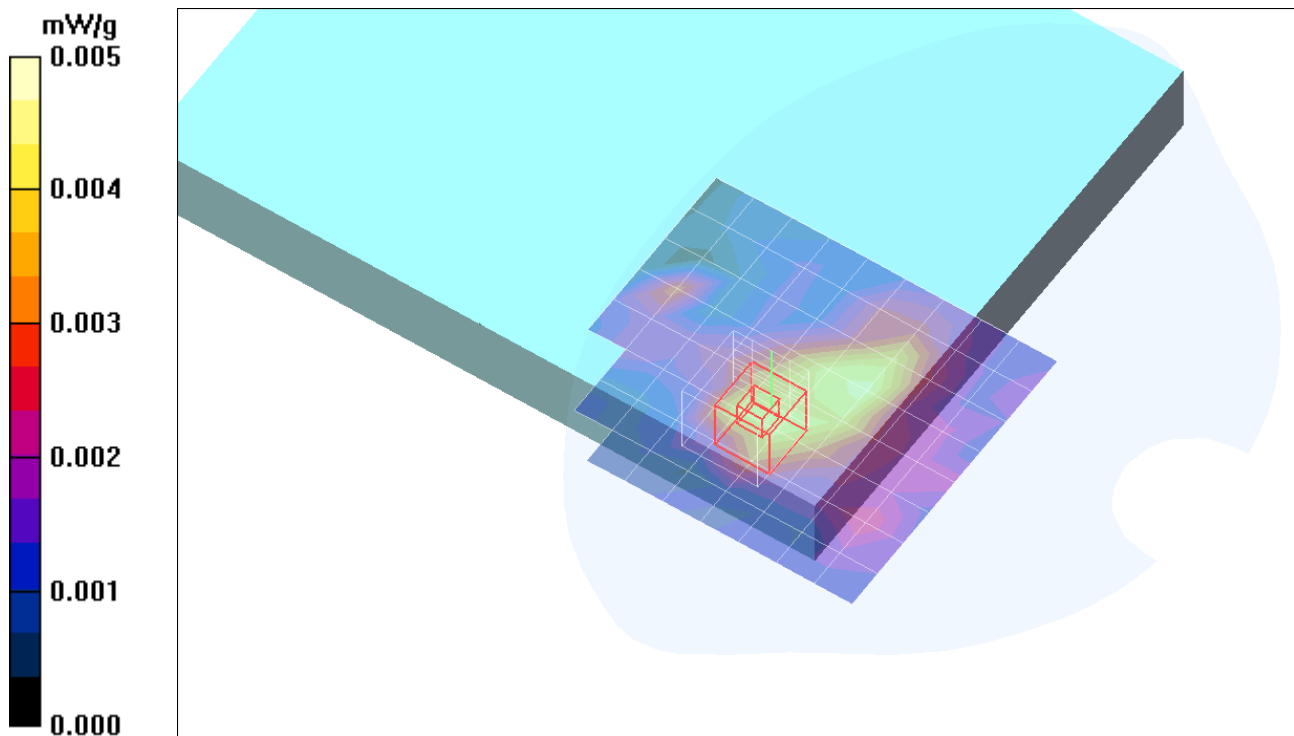
Maximum value of SAR (measured) = 0.005 mW/g

GPRS 3 slots - ch 661/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm

Reference Value = 1.75 V/m; Power Drift = -0.037 dB

Peak SAR (extrapolated) = 0.007 W/kg

SAR(1 g) = 0.0044 mW/g; SAR(10 g) = 0.00253 mW/g



Test Laboratory: Compliance Certification Services

Lap Held Position

DUT: ThinkPad X61s; Type: N/A; Serial: D1900V2 - SN:5d043

Communication System: PCS 1900; Frequency: 1880 MHz; Duty Cycle: 1:2
Medium parameters used: $f = 1880 \text{ MHz}$; $\sigma = 1.47 \text{ mho/m}$; $\epsilon_r = 55.3$; $\rho = 1000 \text{ kg/m}^3$
Phantom section: Flat Section

Room Ambient Temperature: 22.0deg. C; Liquid Temperature: 21.0 deg. C

DASY4 Configuration:

- Area Scan setting - Find Secondary Maximum Within: 2.0 dB and with peak SAR value greater than 0.0012W/kg
- Probe: EX3DV4 - SN3552; ConvF(7.6, 7.6, 7.6); Calibrated: 5/30/2006
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn427; Calibrated: 11/16/2006
- Phantom: SAM 2; Type: SAM 2; Serial: 1050
- Measurement SW: DASY4, V4.7 Build 53; Postprocessing SW: SEMCAD, V1.8 Build 172

GPRS 4 slots - ch 661/Area Scan (10x17x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 0.006 mW/g

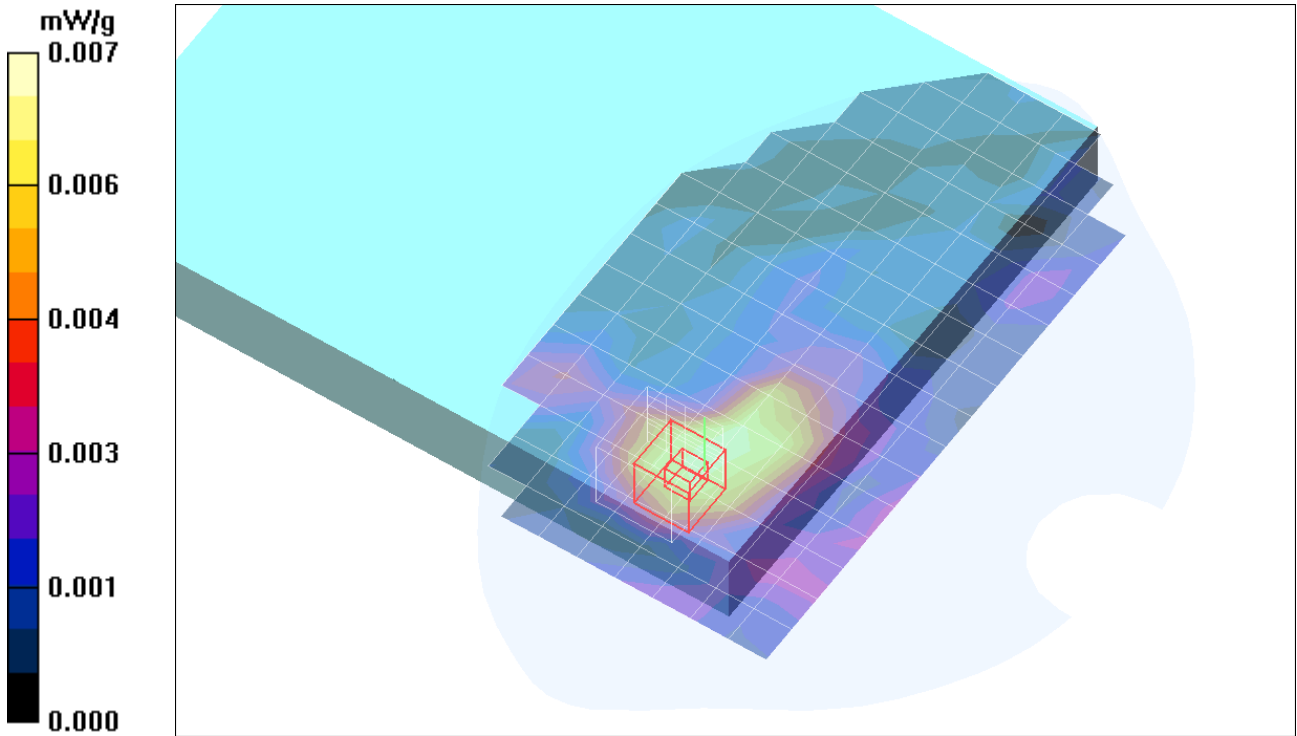
GPRS 4 slots - ch 661/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm

Reference Value = 1.30 V/m; Power Drift = 0.154 dB

Peak SAR (extrapolated) = 0.009 W/kg

SAR(1 g) = 0.00612 mW/g; SAR(10 g) = 0.00397 mW/g

Maximum value of SAR (measured) = 0.007 mW/g



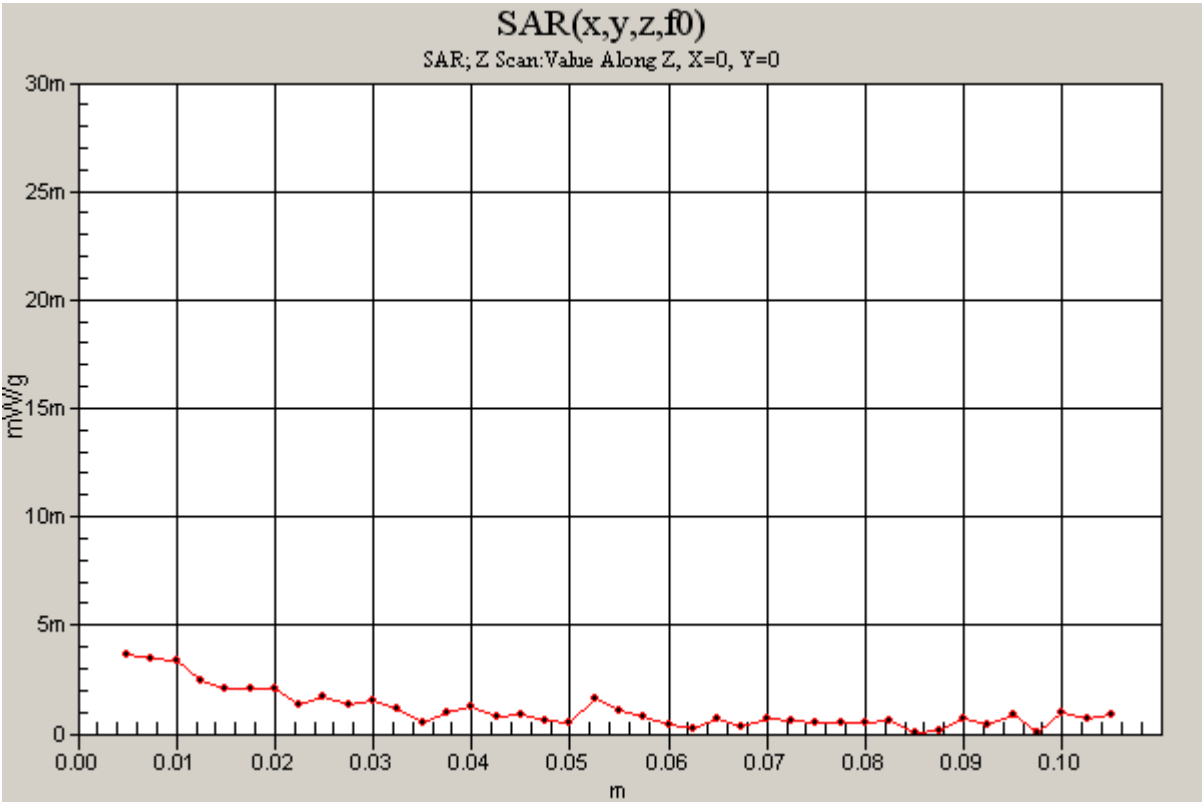
Test Laboratory: Compliance Certification Services

Lap Held Position

DUT: ThinkPad X61s; Type: N/A; Serial: D1900V2 - SN:5d043

Communication System: PCS 1900; Frequency: 1880 MHz;Duty Cycle: 1:2

GPRS 4 slots - ch 661/Z Scan (1x1x41): Measurement grid: dx=20mm, dy=20mm, dz=2.5mm
Maximum value of SAR (measured) = 0.004 mW/g



Test Laboratory: Compliance Certification Services

Lap Held Position

DUT: ThinkPad X61s; Type: N/A; Serial: D1900V2 - SN:5d043

Communication System: PCS 1900; Frequency: 1880 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 1880$ MHz; $\sigma = 1.47$ mho/m; $\epsilon_r = 55.3$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Room Ambient Temperature: 22.0 deg. C; Liquid Temperature: 21.0 deg. C

DASY4 Configuration:

- Area Scan setting - Find Secondary Maximum Within: 2.0 dB and with peak SAR value greater than 0.0012W/kg
- Probe: EX3DV4 - SN3552; ConvF(7.6, 7.6, 7.6); Calibrated: 5/30/2006
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn427; Calibrated: 11/16/2006
- Phantom: SAM 2; Type: SAM 2; Serial: 1050
- Measurement SW: DASY4, V4.7 Build 53; Postprocessing SW: SEMCAD, V1.8 Build 172

WCDMA - ch 9400/Area Scan (10x9x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 0.005 mW/g

WCDMA - ch 9400/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm

Reference Value = 1.62 V/m; Power Drift = 0.196 dB

Peak SAR (extrapolated) = 0.007 W/kg

SAR(1 g) = 0.00419 mW/g; SAR(10 g) = 0.00253 mW/g

