

Test Laboratory: Compliance Certification Services

Lap Held Position

DUT: ThinkPad X61s; Type: N/A; Serial: N/A

Communication System: CDMA; Frequency: 836.52 MHz; Duty Cycle: 1:1

Medium parameters used (interpolated): $f = 836.52$ MHz; $\sigma = 0.993$ mho/m; $\epsilon_r = 54.3$; $\rho = 1000$ 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 a peak SAR value greater than 0.0012 W/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

Antenna Retracted - 1xRTT - ch 384/Area Scan (16x20x1): Measurement grid: dx=15mm, dy=15mm

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

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

Antenna Retracted - 1xRTT - ch 384/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm

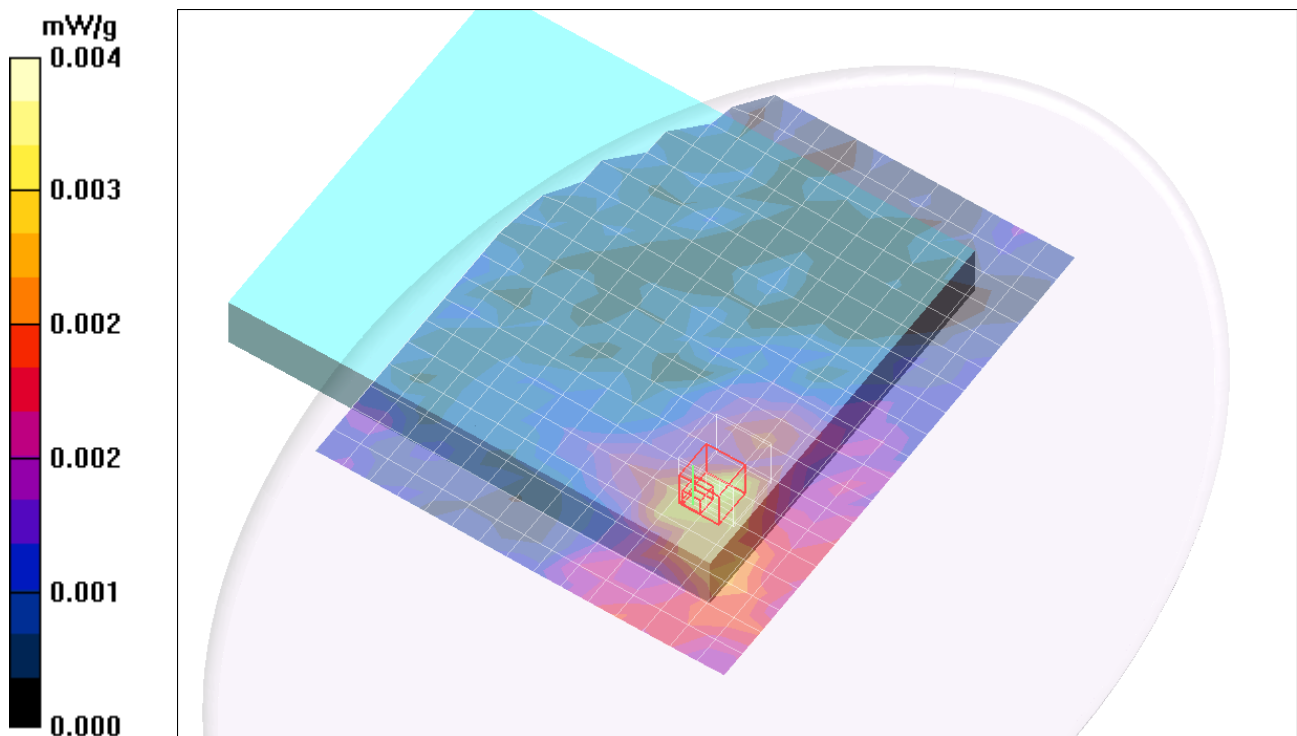
Reference Value = 1.61 V/m; Power Drift = 0.166 dB

Peak SAR (extrapolated) = 0.005 W/kg

SAR(1 g) = 0.0029 mW/g; SAR(10 g) = 0.0019 mW/g

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

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



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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 a 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

Worst Case - 1xRTT - ch 384/Area Scan (16x18x1): Measurement grid: dx=15mm, dy=15mm

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

Maximum value of SAR (measured) = 0.022 mW/g

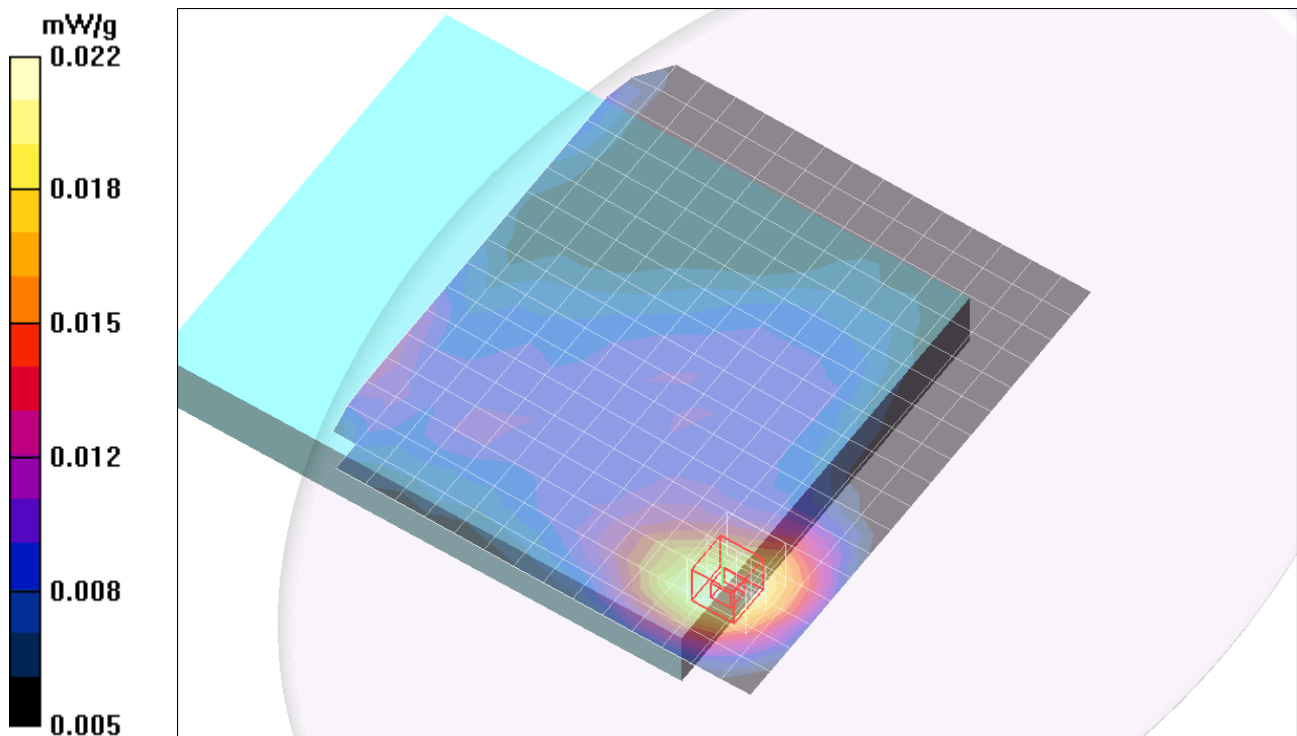
Worst Case - 1xRTT - ch 384/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm

Reference Value = 2.89 V/m; Power Drift = 0.055 dB

Peak SAR (extrapolated) = 0.029 W/kg

SAR(1 g) = 0.021 mW/g; SAR(10 g) = 0.016 mW/g

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



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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 a peak SAR value greater than 0.0012 W/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

Worst Case - 1xEVDO Rel 0 - ch 384/Area Scan (9x8x1): Measurement grid: dx=15mm, dy=15mm

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

Maximum value of SAR (measured) = 0.022 mW/g

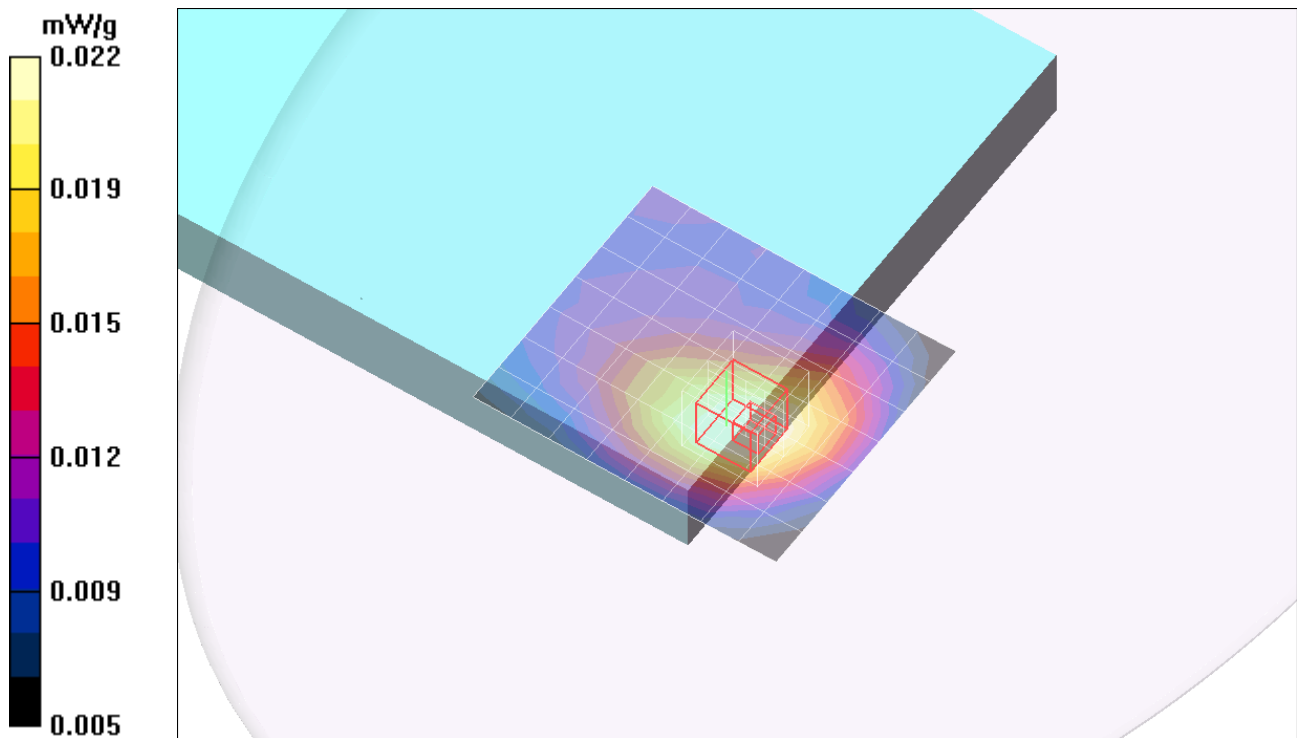
Worst Case - 1xEVDO Rel 0 - ch 384/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm

Reference Value = 4.99 V/m; Power Drift = -0.120 dB

Peak SAR (extrapolated) = 0.028 W/kg

SAR(1 g) = 0.021 mW/g; SAR(10 g) = 0.016 mW/g

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



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Lap Held Position

DUT: ThinkPad X61s; Type: N/A; Serial: N/A

Communication System: CDMA; Frequency: 824.7 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 825$ 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 a 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

Worst Case - 1xEVDO Rev A - ch 1013/Area Scan (9x8x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 0.021 mW/g

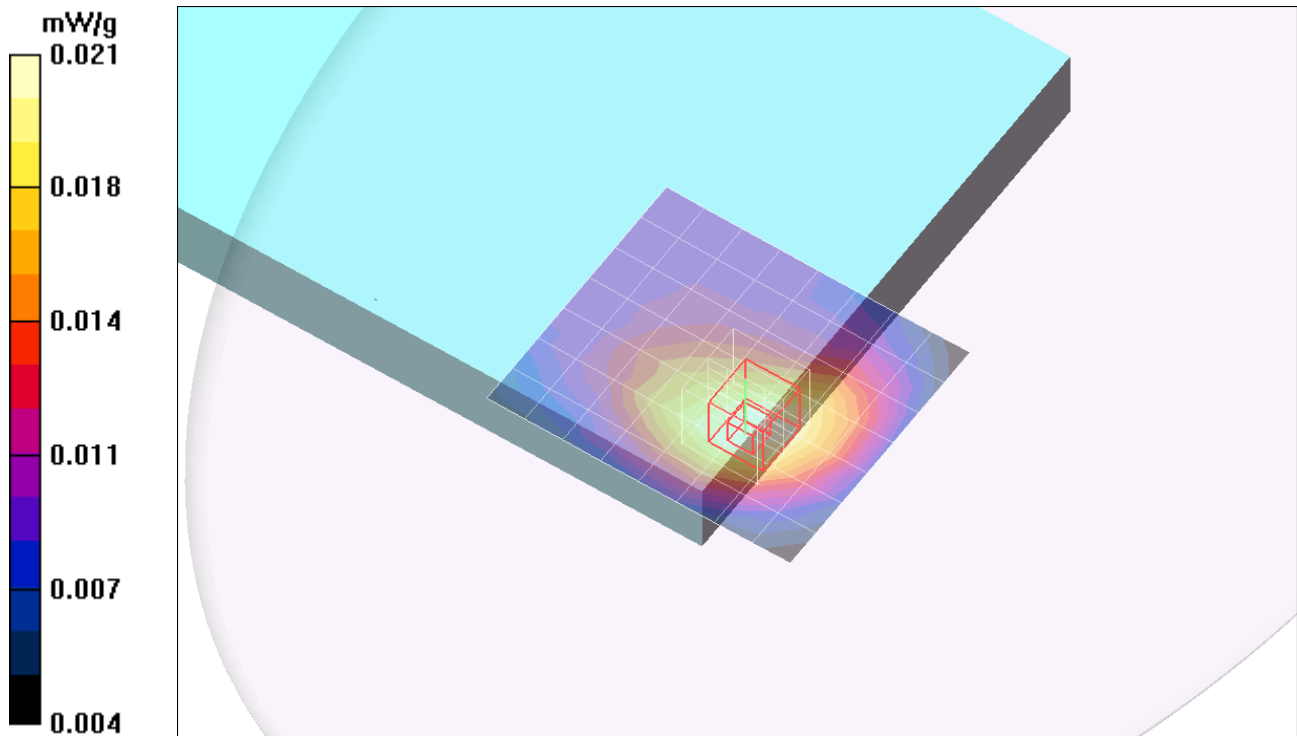
Worst Case - 1xEVDO Rev A - ch 1013/Zoom Scan (5x5x7)/Cube 0: Measurement grid:

dx=7.5mm, dy=7.5mm, dz=5mm

Reference Value = 4.64 V/m; Power Drift = 0.080 dB

Peak SAR (extrapolated) = 0.027 W/kg

SAR(1 g) = 0.020 mW/g; SAR(10 g) = 0.015 mW/g



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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 a 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

Worst Case - 1xEVDO Rev A - ch 384/Area Scan (9x8x1): Measurement grid: dx=15mm, dy=15mm

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

Maximum value of SAR (measured) = 0.023 mW/g

Worst Case - 1xEVDO Rev A - ch 384/Zoom Scan (5x5x7)/Cube 0: Measurement grid:

dx=7.5mm, dy=7.5mm, dz=5mm

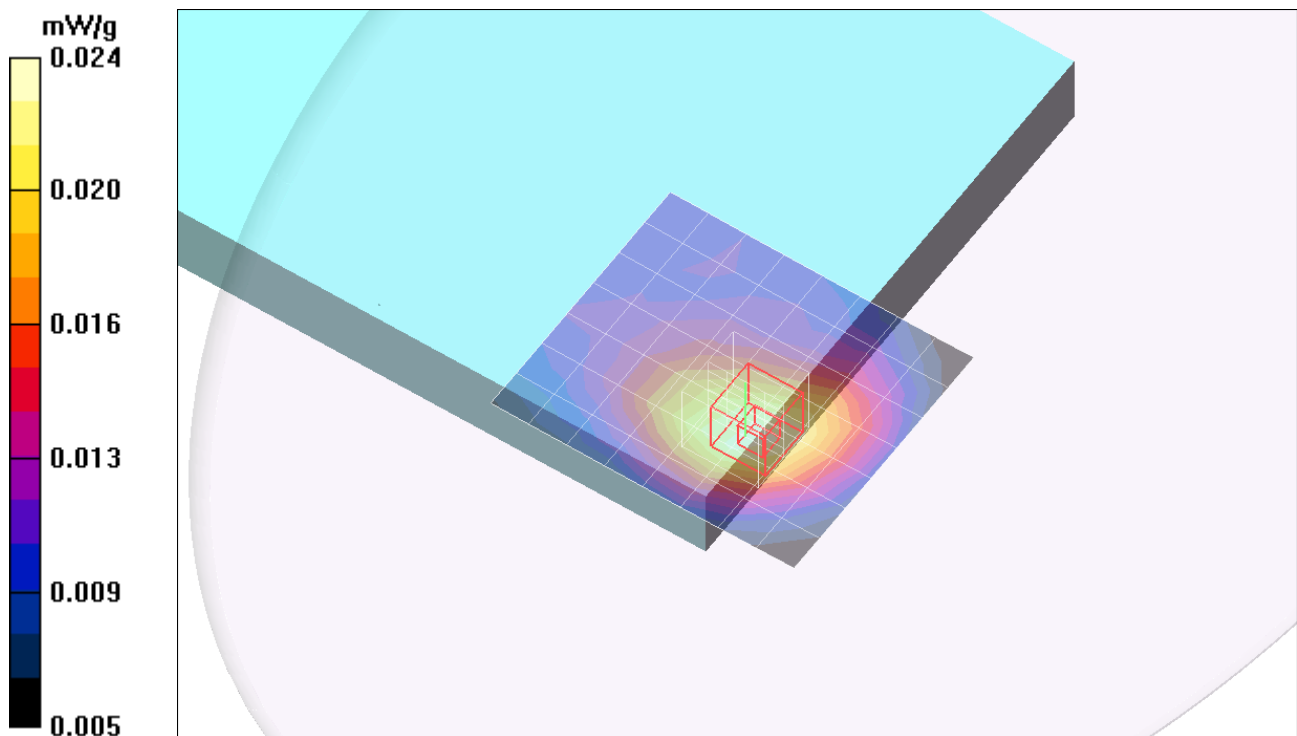
Reference Value = 4.91 V/m; Power Drift = -0.110 dB

Peak SAR (extrapolated) = 0.031 W/kg

SAR(1 g) = 0.023 mW/g; SAR(10 g) = 0.017 mW/g

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

Maximum value of SAR (measured) = 0.024 mW/g



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Lap Held Position

DUT: ThinkPad X61s; Type: N/A; Serial: N/A

Communication System: CDMA; Frequency: 848.31 MHz; Duty Cycle: 1:1

Medium parameters used (interpolated): $f = 848.31$ MHz; $\sigma = 1$ mho/m; $\epsilon_r = 54.2$; $\rho = 1000$ 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 a 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

Worst Case - 1xEVDO Rev A - ch 777/Area Scan (9x8x1): Measurement grid: dx=15mm, dy=15mm

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

Maximum value of SAR (measured) = 0.027 mW/g

Worst Case - 1xEVDO Rev A - ch 777/Zoom Scan (5x5x7)/Cube 0: Measurement grid:

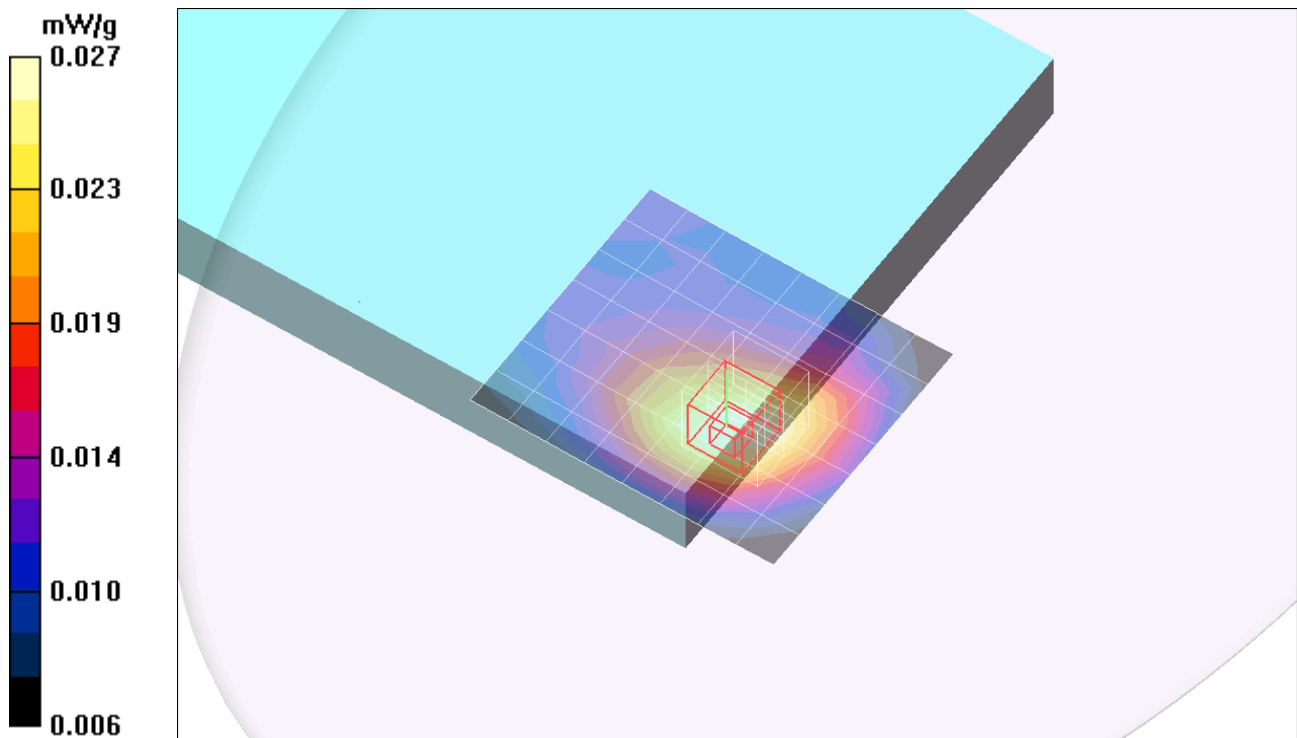
dx=7.5mm, dy=7.5mm, dz=5mm

Reference Value = 5.39 V/m; Power Drift = -0.169 dB

Peak SAR (extrapolated) = 0.035 W/kg

SAR(1 g) = 0.026 mW/g; SAR(10 g) = 0.019 mW/g

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



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Lap Held Position

DUT: ThinkPad X61s; Type: N/A; Serial: N/A

Communication System: CDMA; Frequency: 848.31 MHz; Duty Cycle: 1:1

Worst Case - 1xEVDO Rev A - ch 777/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) = 0.020 mW/g

