

Test Laboratory: Compliance Certification Services

14 Inch Lenovo Laptop

DUT: Lenovo; Type: N/A; Serial: N/A

Communication System: 802.11a; Frequency: 5200 MHz; Duty Cycle: 1:1.1

Medium parameters used: $f = 5200$ MHz; $\sigma = 5.42$ mho/m; $\epsilon_r = 45.9$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Room Ambient Temperature: 25.5 deg. C; Liquid Temperature: 23.5 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(4.21, 4.21, 4.21); Calibrated: 4/23/2008
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn500; Calibrated: 11/16/2007
- Phantom: Flat Phantom ELI4.0; Type: QDOVA001BA; Serial: SN:1003
- Measurement SW: DASY4, V4.7 Build 71; Postprocessing SW: SEMCAD, V1.8 Build 184

802.11n 20MHz 5.2G B+C Ant - M ch/Area Scan (11x13x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (measured) = 0.427 mW/g

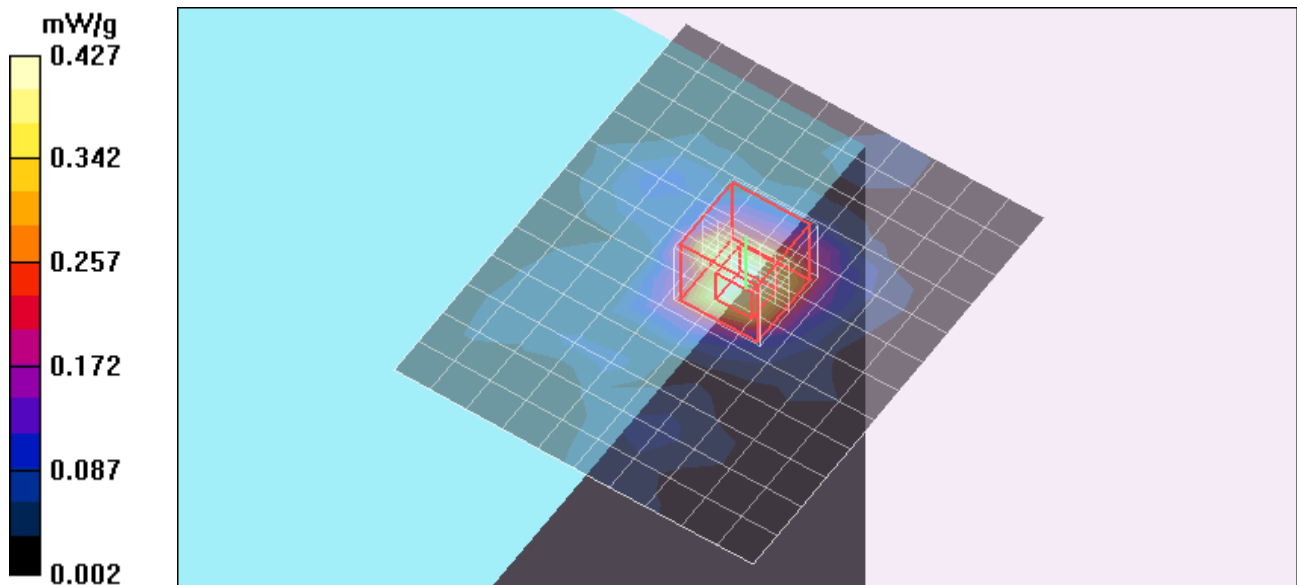
802.11n 20MHz 5.2G B+C Ant - M ch/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm

Reference Value = 4.16 V/m; Power Drift = -0.27 dB

Peak SAR (extrapolated) = 1.42 W/kg

SAR(1 g) = 0.352 mW/g; SAR(10 g) = 0.126 mW/g

Maximum value of SAR (measured) = 0.599 mW/g



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14 Inch Lenovo Laptop

DUT: Lenovo; Type: N/A; Serial: N/A

Communication System: 802.11a; Frequency: 5230 MHz; Duty Cycle: 1:1.1

Medium parameters used (interpolated): $f = 5230$ MHz; $\sigma = 5.47$ mho/m; $\epsilon_r = 45.8$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Room Ambient Temperature: 25.5 deg. C; Liquid Temperature: 23.5 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(4.21, 4.21, 4.21); Calibrated: 4/23/2008
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn500; Calibrated: 11/16/2007
- Phantom: Flat Phantom ELI4.0; Type: QDOVA001BA; Serial: SN:1003
- Measurement SW: DASY4, V4.7 Build 71; Postprocessing SW: SEMCAD, V1.8 Build 184

802.11n 40MHz 5.2G B+C Ant - M ch/Area Scan (10x13x1): Measurement grid: dx=10mm, dy=10mm

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

Maximum value of SAR (measured) = 0.717 mW/g

802.11n 40MHz 5.2G B+C Ant - M ch/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm

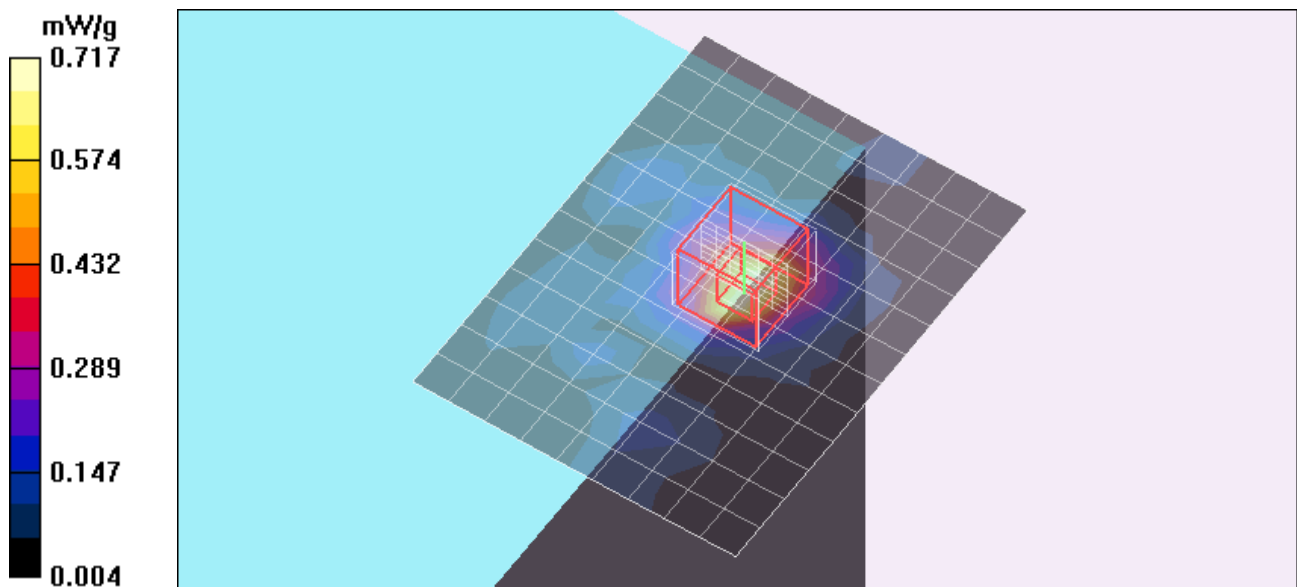
Reference Value = 3.40 V/m; Power Drift = -0.316 dB

Peak SAR (extrapolated) = 1.64 W/kg

SAR(1 g) = 0.487 mW/g; SAR(10 g) = 0.177 mW/g

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

Maximum value of SAR (measured) = 0.766 mW/g



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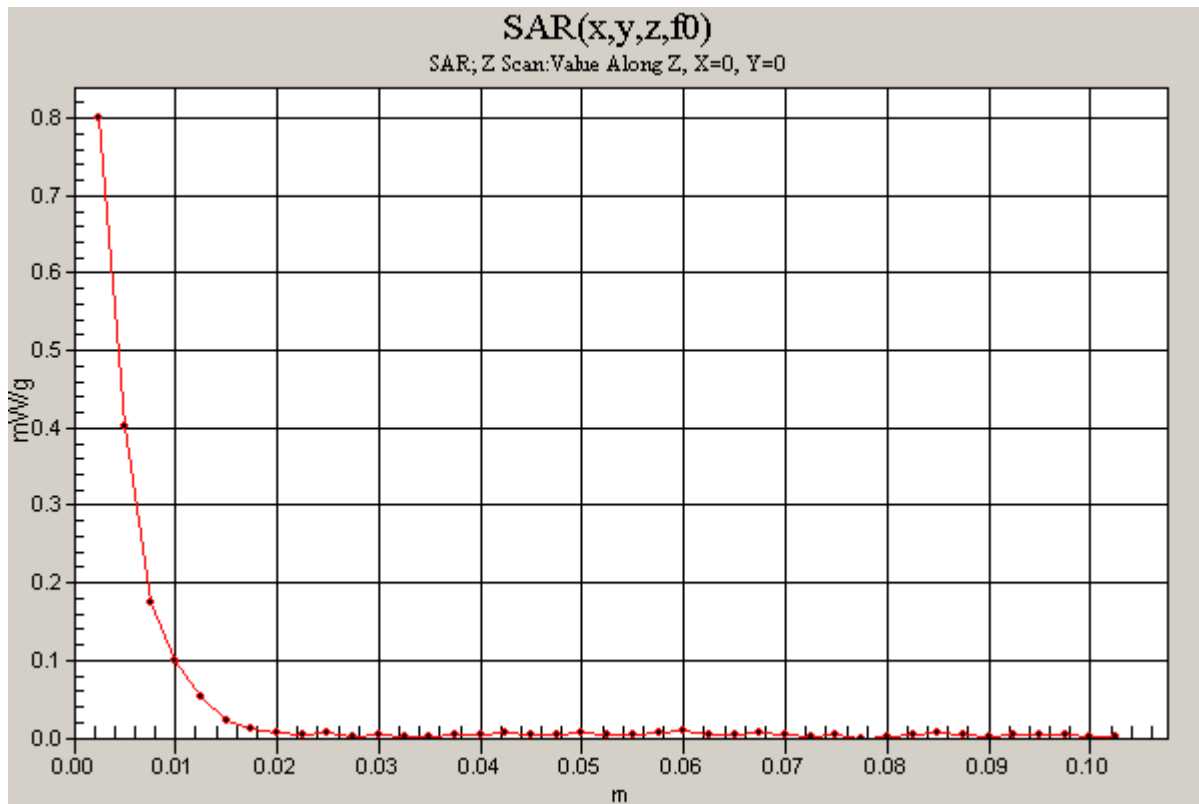
DUT: Lenovo; Type: N/A; Serial: N/A

Communication System: 802.11a; Frequency: 5230 MHz; Duty Cycle: 1:1.1

802.11n 40MHz 5.2G B+C Ant - 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) = 0.800 mW/g



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14 Inch Lenovo Laptop

DUT: Lenovo; Type: N/A; Serial: N/A

Communication System: 802.11a; Frequency: 5260 MHz; Duty Cycle: 1:1.1

Medium parameters used (interpolated): $f = 5260$ MHz; $\sigma = 5.51$ mho/m; $\epsilon_r = 45.8$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Room Ambient Temperature: 25.5 deg. C; Liquid Temperature: 23.5 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(3.92, 3.92, 3.92); Calibrated: 4/23/2008
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn500; Calibrated: 11/16/2007
- Phantom: Flat Phantom ELI4.0; Type: QDOVA001BA; Serial: SN:1003
- Measurement SW: DASY4, V4.7 Build 71; Postprocessing SW: SEMCAD, V1.8 Build 184

802.11n 20MHz 5.3G A+B+C Ant - M ch/Area Scan (9x12x1): Measurement grid: dx=10mm, dy=10mm

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

Maximum value of SAR (measured) = 0.332 mW/g

802.11n 20MHz 5.3G A+B+C Ant - M ch/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm

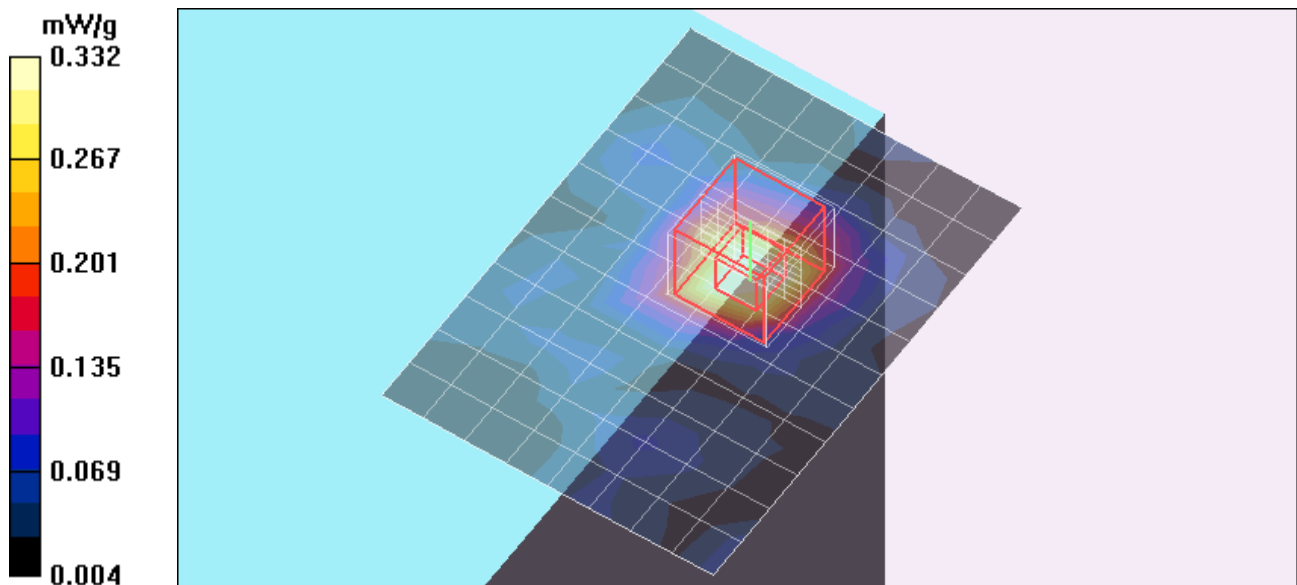
Reference Value = 4.25 V/m; Power Drift = -0.13 dB

Peak SAR (extrapolated) = 0.935 W/kg

SAR(1 g) = 0.270 mW/g; SAR(10 g) = 0.095 mW/g

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

Maximum value of SAR (measured) = 0.431 mW/g



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14 Inch Lenovo Laptop

DUT: Lenovo; Type: N/A; Serial: N/A

Communication System: 802.11a; Frequency: 5270 MHz; Duty Cycle: 1:1.1

Medium parameters used (interpolated): $f = 5270$ MHz; $\sigma = 5.52$ mho/m; $\epsilon_r = 45.8$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Room Ambient Temperature: 25.5 deg. C; Liquid Temperature: 23.5 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(3.92, 3.92, 3.92); Calibrated: 4/23/2008
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn500; Calibrated: 11/16/2007
- Phantom: Flat Phantom ELI4.0; Type: QDOVA001BA; Serial: SN:1003
- Measurement SW: DASY4, V4.7 Build 71; Postprocessing SW: SEMCAD, V1.8 Build 184

802.11n 40MHz 5.3G A+B+C Ant - M ch 2/Area Scan (9x12x1): Measurement grid: dx=10mm, dy=10mm

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

Maximum value of SAR (measured) = 0.350 mW/g

802.11n 40MHz 5.3G A+B+C Ant - M ch 2/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm

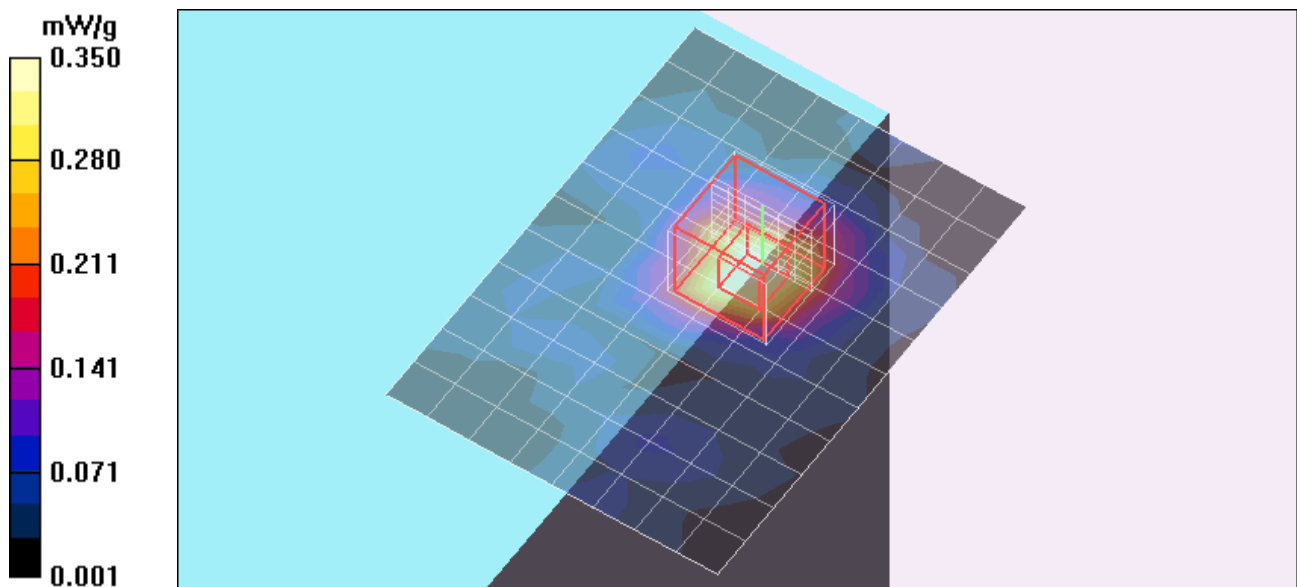
Reference Value = 4.25 V/m; Power Drift = -0.12 dB

Peak SAR (extrapolated) = 1.07 W/kg

SAR(1 g) = 0.294 mW/g; SAR(10 g) = 0.106 mW/g

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

Maximum value of SAR (measured) = 0.466 mW/g



Test Laboratory: Compliance Certification Services

14 Inch Lenovo Laptop

DUT: Lenovo; Type: N/A; Serial: N/A

Communication System: 802.11a; Frequency: 5600 MHz; Duty Cycle: 1:1.1

Medium parameters used: $f = 5600$ MHz; $\sigma = 5.97$ mho/m; $\epsilon_r = 45.1$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Room Ambient Temperature: 25.5 deg. C; Liquid Temperature: 23.5 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(3.5, 3.5, 3.5); Calibrated: 4/23/2008
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn500; Calibrated: 11/16/2007
- Phantom: Flat Phantom ELI4.0; Type: QDOVA001BA; Serial: SN:1003
- Measurement SW: DASY4, V4.7 Build 71; Postprocessing SW: SEMCAD, V1.8 Build 184

802.11n 20MHz 5.5G A+C Ant - M ch/Area Scan (9x11x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (measured) = 0.495 mW/g

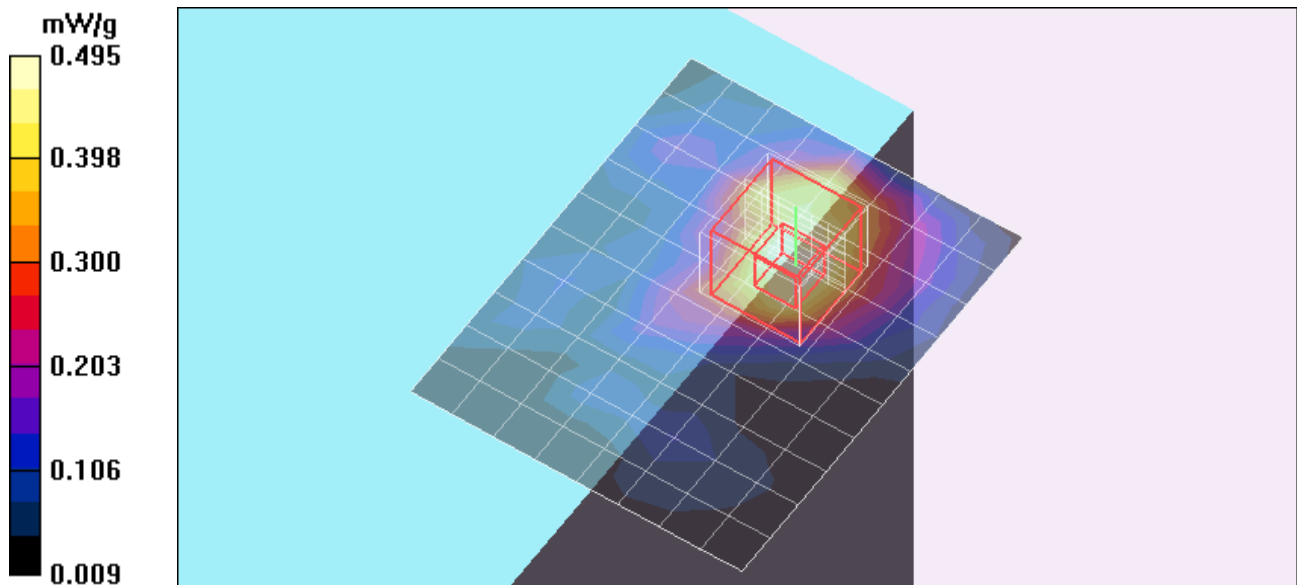
802.11n 20MHz 5.5G A+C Ant - M ch/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm

Reference Value = 2.06 V/m; Power Drift = -0.238 dB

Peak SAR (extrapolated) = 1.63 W/kg

SAR(1 g) = 0.377 mW/g; SAR(10 g) = 0.145 mW/g

Maximum value of SAR (measured) = 0.571 mW/g



Test Laboratory: Compliance Certification Services

14 Inch Lenovo Laptop

DUT: Lenovo; Type: N/A; Serial: N/A

Communication System: 802.11a; Frequency: 5590 MHz; Duty Cycle: 1:1.1

Medium parameters used (interpolated): $f = 5590$ MHz; $\sigma = 5.96$ mho/m; $\epsilon_r = 45.1$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Room Ambient Temperature: 25.5 deg. C; Liquid Temperature: 23.5 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(3.5, 3.5, 3.5); Calibrated: 4/23/2008
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn500; Calibrated: 11/16/2007
- Phantom: Flat Phantom ELI4.0; Type: QDOVA001BA; Serial: SN:1003
- Measurement SW: DASY4, V4.7 Build 71; Postprocessing SW: SEMCAD, V1.8 Build 184

802.11n 40MHz 5.5G A+C Ant - M ch/Area Scan (9x11x1): Measurement grid: dx=10mm, dy=10mm

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

Maximum value of SAR (measured) = 0.514 mW/g

802.11n 40MHz 5.5G A+C Ant - M ch/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm

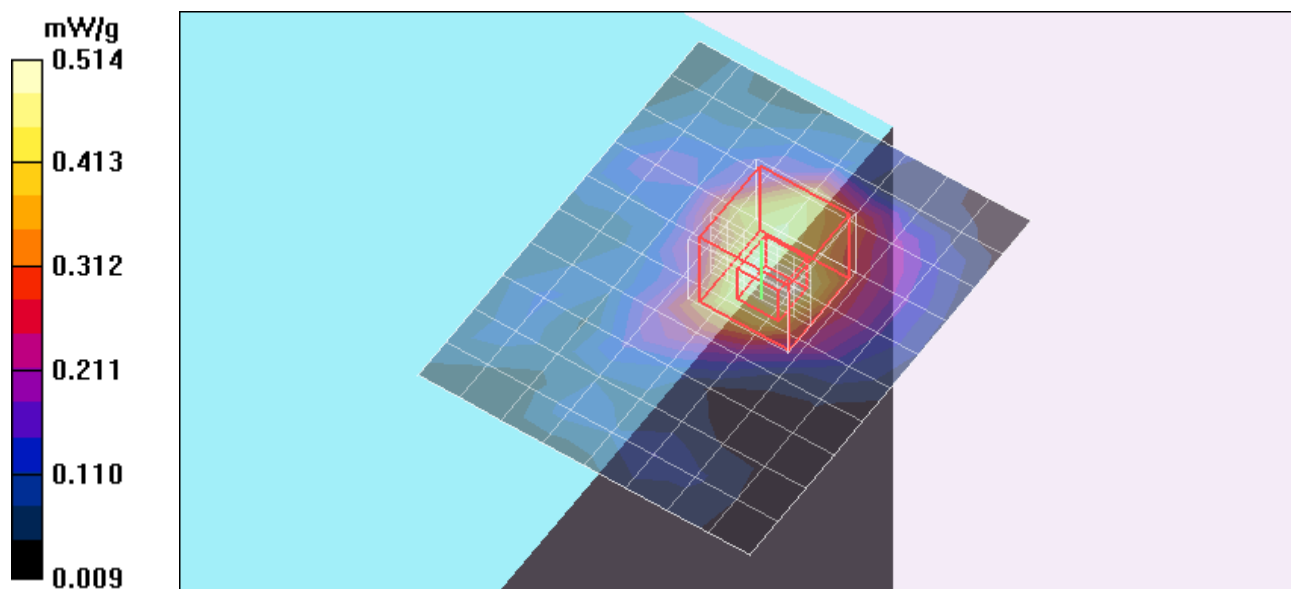
Reference Value = 2.28 V/m; Power Drift = -0.021 dB

Peak SAR (extrapolated) = 1.34 W/kg

SAR(1 g) = 0.366 mW/g; SAR(10 g) = 0.148 mW/g

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

Maximum value of SAR (measured) = 0.602 mW/g



Test Laboratory: Compliance Certification Services

14 Inch Lenovo Laptop

DUT: Lenovo; Type: N/A; Serial: N/A

Communication System: 802.11a; Frequency: 5785 MHz; Duty Cycle: 1:1.1

Medium parameters used (interpolated): $f = 5785$ MHz; $\sigma = 6.24$ mho/m; $\epsilon_r = 44.8$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Room Ambient Temperature: 25.5 deg. C; Liquid Temperature: 23.5 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(3.7, 3.7, 3.7); Calibrated: 4/23/2008
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn500; Calibrated: 11/16/2007
- Phantom: Flat Phantom ELI4.0; Type: QDOVA001BA; Serial: SN:1003
- Measurement SW: DASY4, V4.7 Build 71; Postprocessing SW: SEMCAD, V1.8 Build 184

802.11n 20MHz 5.8G B+C Ant - M ch/Area Scan (9x11x1): Measurement grid: dx=10mm, dy=10mm

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

Maximum value of SAR (measured) = 0.516 mW/g

802.11n 20MHz 5.8G B+C Ant - M ch/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm

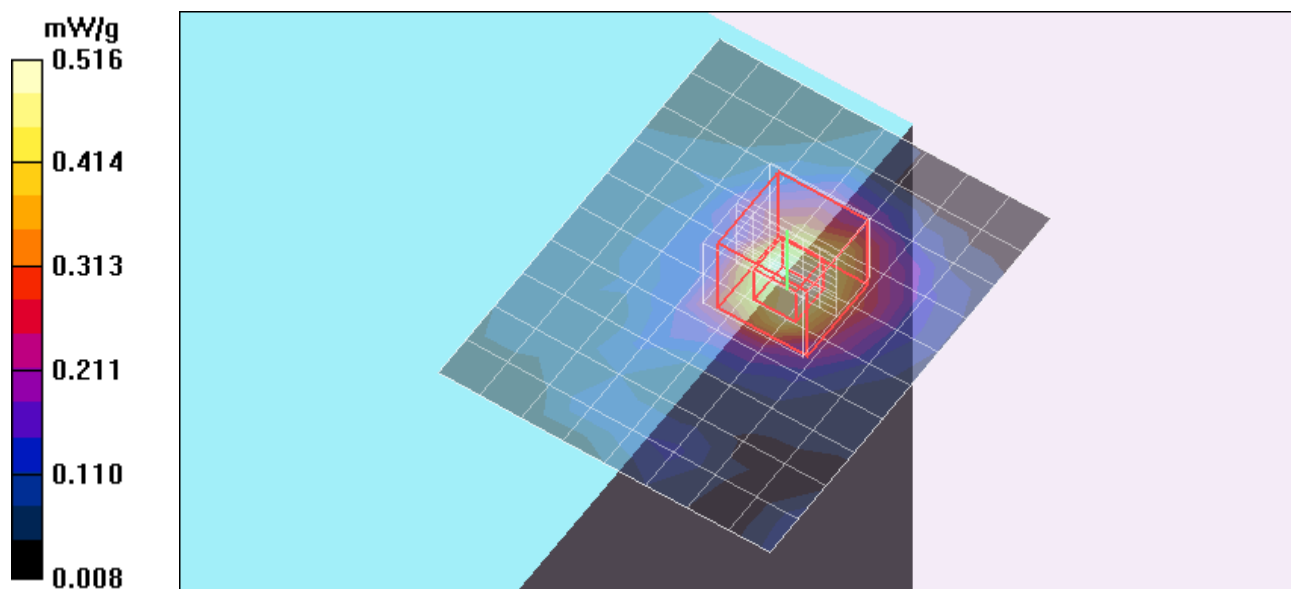
Reference Value = 3.68 V/m; Power Drift = -0.27 dB

Peak SAR (extrapolated) = 1.45 W/kg

SAR(1 g) = 0.393 mW/g; SAR(10 g) = 0.149 mW/g

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

Maximum value of SAR (measured) = 0.640 mW/g



Test Laboratory: Compliance Certification Services

14 Inch Lenovo Laptop

DUT: Lenovo; Type: N/A; Serial: N/A

Communication System: 802.11a; Frequency: 5795 MHz; Duty Cycle: 1:1.1

Medium parameters used (interpolated): $f = 5795$ MHz; $\sigma = 6.25$ mho/m; $\epsilon_r = 44.7$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Room Ambient Temperature: 25.5 deg. C; Liquid Temperature: 23.5 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(3.7, 3.7, 3.7); Calibrated: 4/23/2008
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn500; Calibrated: 11/16/2007
- Phantom: Flat Phantom ELI4.0; Type: QDOVA001BA; Serial: SN:1003
- Measurement SW: DASY4, V4.7 Build 71; Postprocessing SW: SEMCAD, V1.8 Build 184

802.11n 40MHz 5.8G B+C Ant - M ch/Area Scan (9x11x1): Measurement grid: dx=10mm, dy=10mm

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

Maximum value of SAR (measured) = 0.555 mW/g

802.11n 40MHz 5.8G B+C Ant - M ch/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm

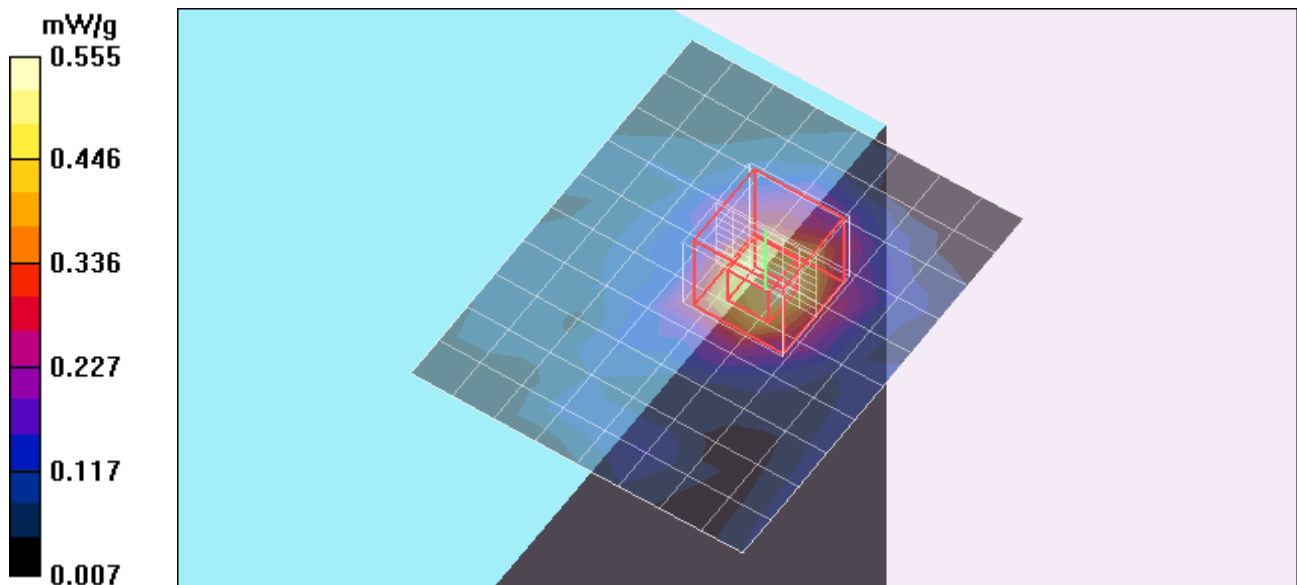
Reference Value = 3.87 V/m; Power Drift = -0.13 dB

Peak SAR (extrapolated) = 1.37 W/kg

SAR(1 g) = 0.361 mW/g; SAR(10 g) = 0.134 mW/g

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

Maximum value of SAR (measured) = 0.582 mW/g



Test Laboratory: Compliance Certification Services

15 Inch Lenovo Laptop

DUT: Lenovo; Type: N/A; Serial: N/A

Communication System: 802.11a; Frequency: 5230 MHz; Duty Cycle: 1:1.1

Medium parameters used (interpolated): $f = 5230$ MHz; $\sigma = 5.47$ mho/m; $\epsilon_r = 45.8$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Room Ambient Temperature: 25.5 deg. C; Liquid Temperature: 23.5 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(4.21, 4.21, 4.21); Calibrated: 4/23/2008
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn500; Calibrated: 11/16/2007
- Phantom: Flat Phantom ELI4.0; Type: QDOVA001BA; Serial: SN:1003
- Measurement SW: DASY4, V4.7 Build 71; Postprocessing SW: SEMCAD, V1.8 Build 184

802.11n 40MHz 5.2G B+C Ant - M ch/Area Scan (10x13x1): Measurement grid: dx=10mm, dy=10mm

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

Maximum value of SAR (measured) = 0.859 mW/g

802.11n 40MHz 5.2G B+C Ant - M ch/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm

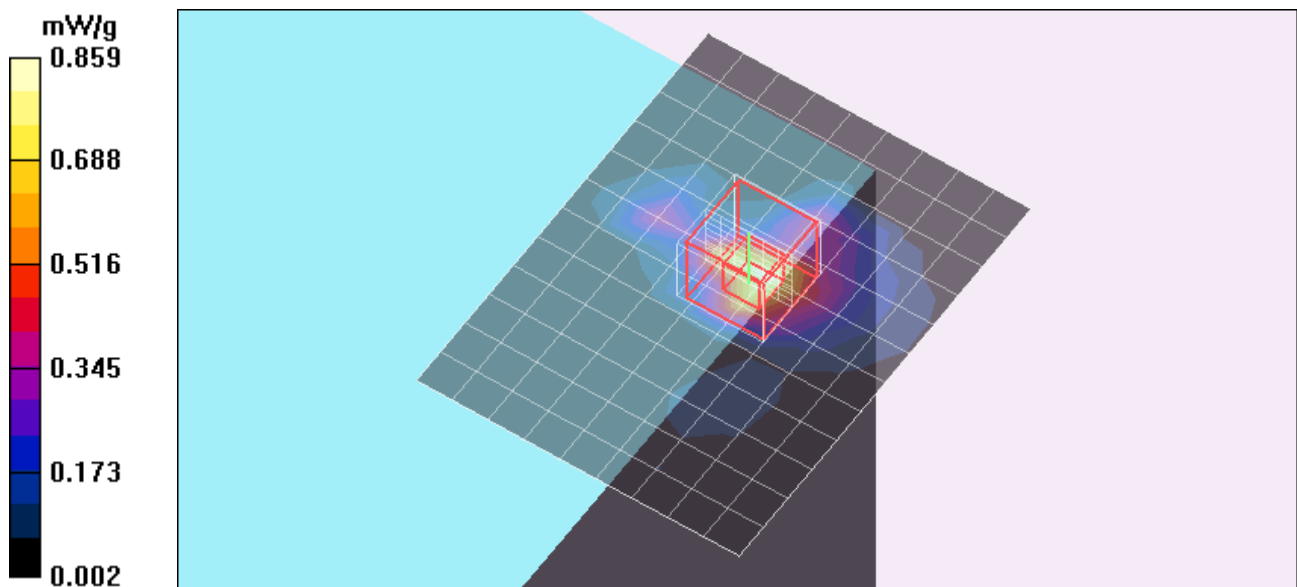
Reference Value = 1.68 V/m; Power Drift = -0.244 dB

Peak SAR (extrapolated) = 2.36 W/kg

SAR(1 g) = 0.601 mW/g; SAR(10 g) = 0.208 mW/g

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

Maximum value of SAR (measured) = 0.964 mW/g



Test Laboratory: Compliance Certification Services

15 Inch Lenovo Laptop

DUT: Lenovo; Type: N/A; Serial: N/A

Communication System: 802.11a; Frequency: 5270 MHz; Duty Cycle: 1:1.1

Medium parameters used (interpolated): $f = 5270$ MHz; $\sigma = 5.52$ mho/m; $\epsilon_r = 45.8$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Room Ambient Temperature: 25.5 deg. C; Liquid Temperature: 23.5 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(3.92, 3.92, 3.92); Calibrated: 4/23/2008
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn500; Calibrated: 11/16/2007
- Phantom: Flat Phantom ELI4.0; Type: QDOVA001BA; Serial: SN:1003
- Measurement SW: DASY4, V4.7 Build 71; Postprocessing SW: SEMCAD, V1.8 Build 184

802.11n 40MHz 5.3G A+B+C Ant - M ch 2/Area Scan (9x12x1): Measurement grid: dx=10mm, dy=10mm

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

Maximum value of SAR (measured) = 0.912 mW/g

802.11n 40MHz 5.3G A+B+C Ant - M ch 2/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm

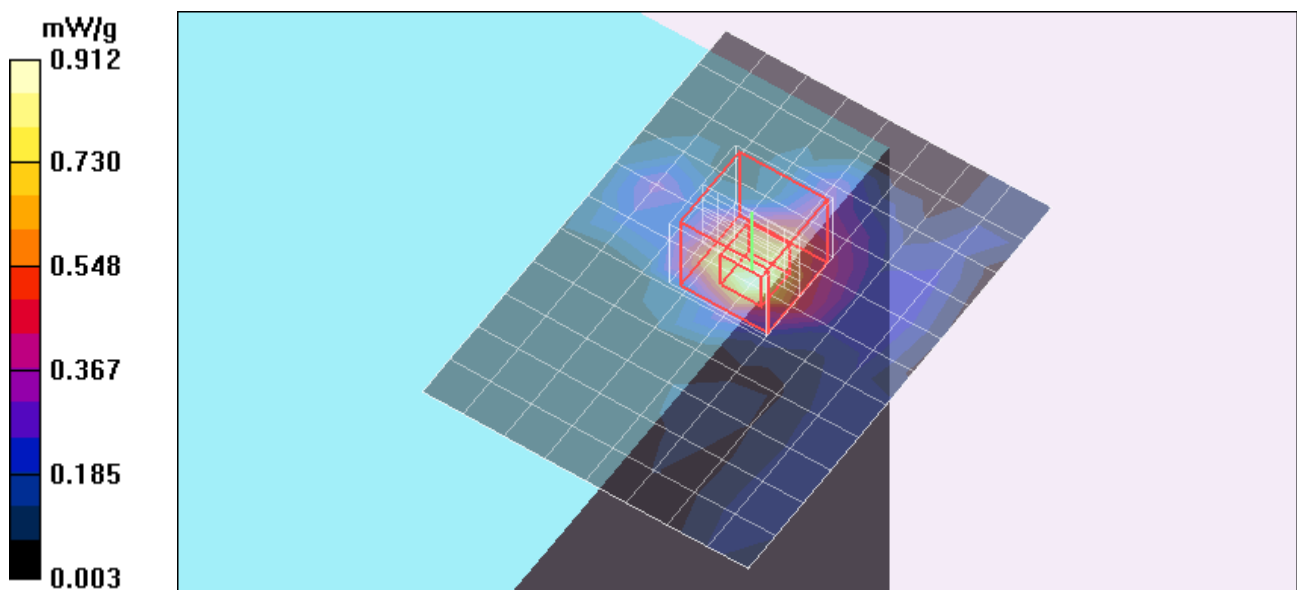
Reference Value = 4.78 V/m; Power Drift = -0.26 dB

Peak SAR (extrapolated) = 2.33 W/kg

SAR(1 g) = 0.591 mW/g; SAR(10 g) = 0.213 mW/g

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

Maximum value of SAR (measured) = 0.922 mW/g



Test Laboratory: Compliance Certification Services

15 Inch Lenovo Laptop

DUT: Lenovo; Type: N/A; Serial: N/A

Communication System: 802.11a; Frequency: 5600 MHz; Duty Cycle: 1:1.1

Medium parameters used: $f = 5600$ MHz; $\sigma = 5.97$ mho/m; $\epsilon_r = 45.1$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Room Ambient Temperature: 25.5 deg. C; Liquid Temperature: 23.5 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(3.5, 3.5, 3.5); Calibrated: 4/23/2008
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn500; Calibrated: 11/16/2007
- Phantom: Flat Phantom ELI4.0; Type: QDOVA001BA; Serial: SN:1003
- Measurement SW: DASY4, V4.7 Build 71; Postprocessing SW: SEMCAD, V1.8 Build 184

802.11n 20MHz 5.5G A+C Ant - M ch/Area Scan (9x11x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (measured) = 0.882 mW/g

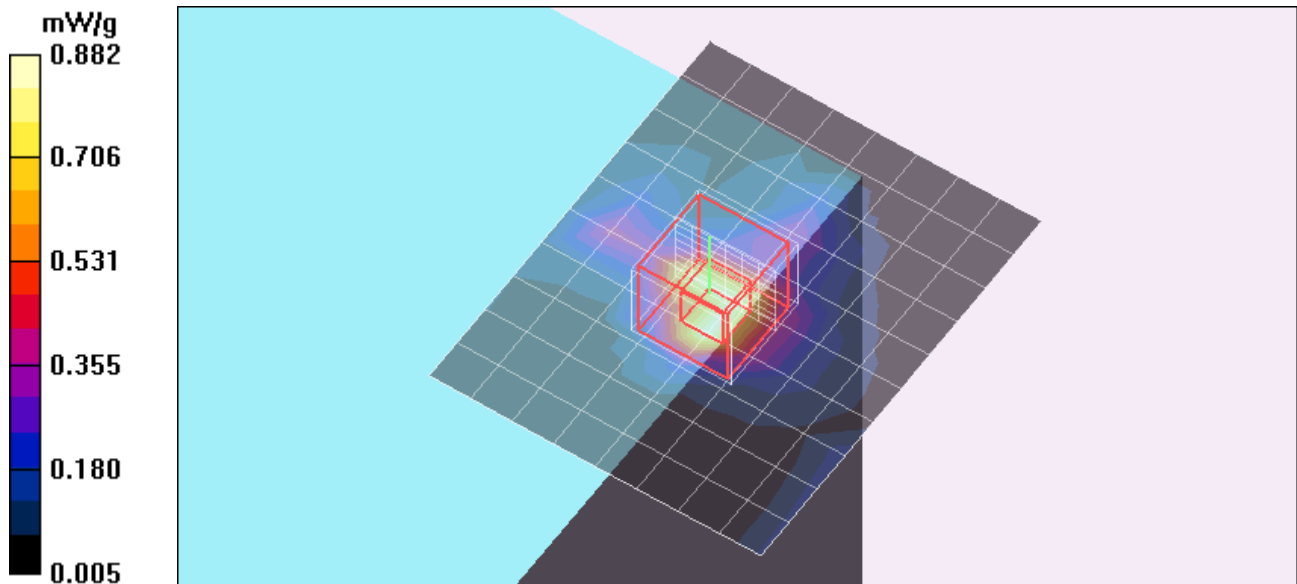
802.11n 20MHz 5.5G A+C Ant - M ch/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm

Reference Value = 5.16 V/m; Power Drift = -0.26 dB

Peak SAR (extrapolated) = 2.25 W/kg

SAR(1 g) = 0.626 mW/g; SAR(10 g) = 0.223 mW/g

Maximum value of SAR (measured) = 1.04 mW/g



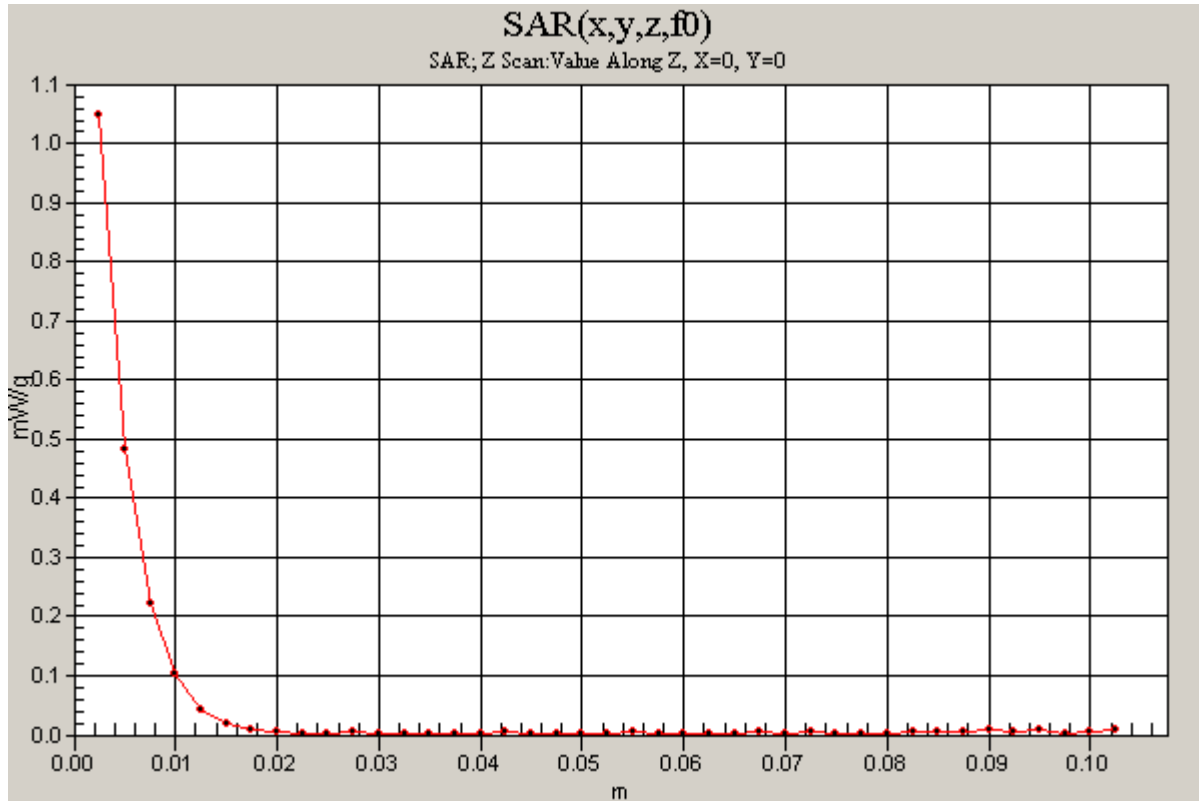
Test Laboratory: Compliance Certification Services

15 Inch Lenovo Laptop

DUT: Lenovo; Type: N/A; Serial: N/A

Communication System: 802.11a; Frequency: 5600 MHz; Duty Cycle: 1:1.1

802.11n 20MHz 5.5G A+C Ant - M ch/Z Scan (1x1x41): Measurement grid: dx=20mm, dy=20mm, dz=2.5mm
Maximum value of SAR (measured) = 1.05 mW/g



Test Laboratory: Compliance Certification Services

15 Inch Lenovo Laptop

DUT: Lenovo; Type: N/A; Serial: N/A

Communication System: 802.11a; Frequency: 5785 MHz; Duty Cycle: 1:1.1

Medium parameters used (interpolated): $f = 5785$ MHz; $\sigma = 6.24$ mho/m; $\epsilon_r = 44.8$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Room Ambient Temperature: 25.5 deg. C; Liquid Temperature: 23.5 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(3.7, 3.7, 3.7); Calibrated: 4/23/2008
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn500; Calibrated: 11/16/2007
- Phantom: Flat Phantom ELI4.0; Type: QDOVA001BA; Serial: SN:1003
- Measurement SW: DASY4, V4.7 Build 71; Postprocessing SW: SEMCAD, V1.8 Build 184

802.11n 20MHz 5.8G B+C Ant - M ch/Area Scan (9x11x1): Measurement grid: dx=10mm, dy=10mm

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

Maximum value of SAR (measured) = 0.696 mW/g

802.11n 20MHz 5.8G B+C Ant - M ch/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm

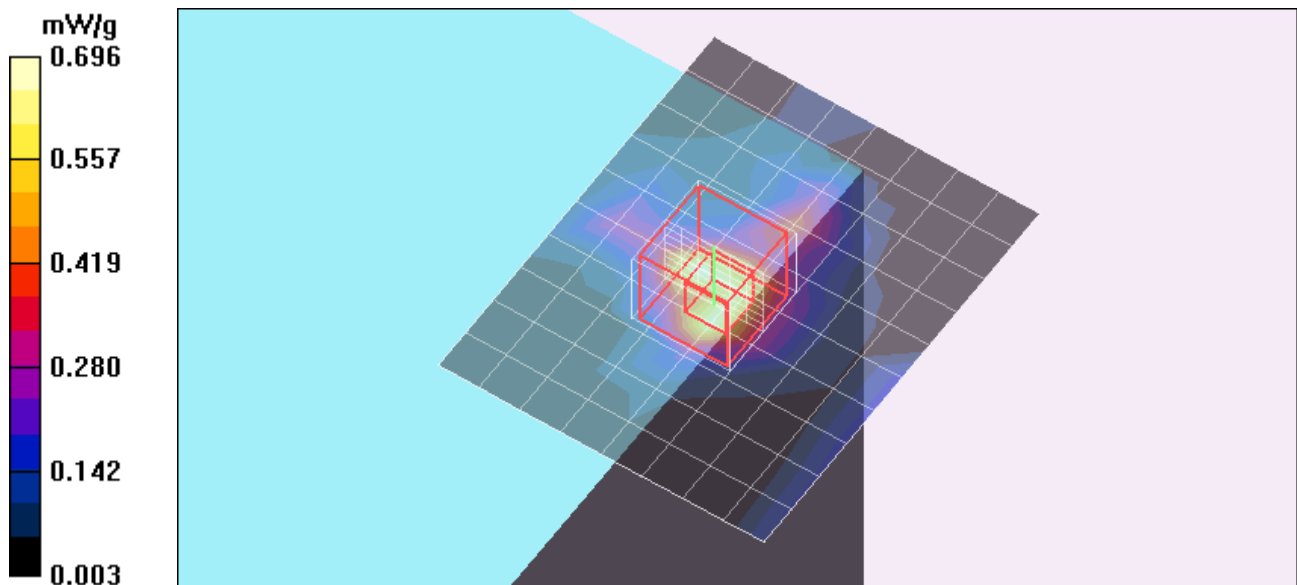
Reference Value = 4.87 V/m; Power Drift = -0.35 dB

Peak SAR (extrapolated) = 1.57 W/kg

SAR(1 g) = 0.430 mW/g; SAR(10 g) = 0.157 mW/g

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

Maximum value of SAR (measured) = 0.727 mW/g



Test Laboratory: Compliance Certification Services

15 Inch Lenovo Laptop (XP) 5.2 GHz

DUT: Lenovo; Type: N/A; Serial: N/A

Communication System: 802.11a; Frequency: 5230 MHz; Duty Cycle: 1:1.03

Medium parameters used (interpolated): $f = 5230$ MHz; $\sigma = 5.41$ mho/m; $\epsilon_r = 45.6$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Room Ambient Temperature: 25.0 deg. C; Liquid Temperature: 24.0 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(4.21, 4.21, 4.21); Calibrated: 4/23/2008
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn500; Calibrated: 11/16/2007
- Phantom: SAM 2 (Twin); Type: SAM 2; Serial: 1050
- Measurement SW: DASY4, V4.7 Build 71; Postprocessing SW: SEMCAD, V1.8 Build 184

802.11n 40MHz 5.2G B+C Ant H-ch/Area Scan (11x13x1): Measurement grid: dx=10mm, dy=10mm

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

Maximum value of SAR (measured) = 0.461 mW/g

802.11n 40MHz 5.2G B+C Ant H-ch/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm

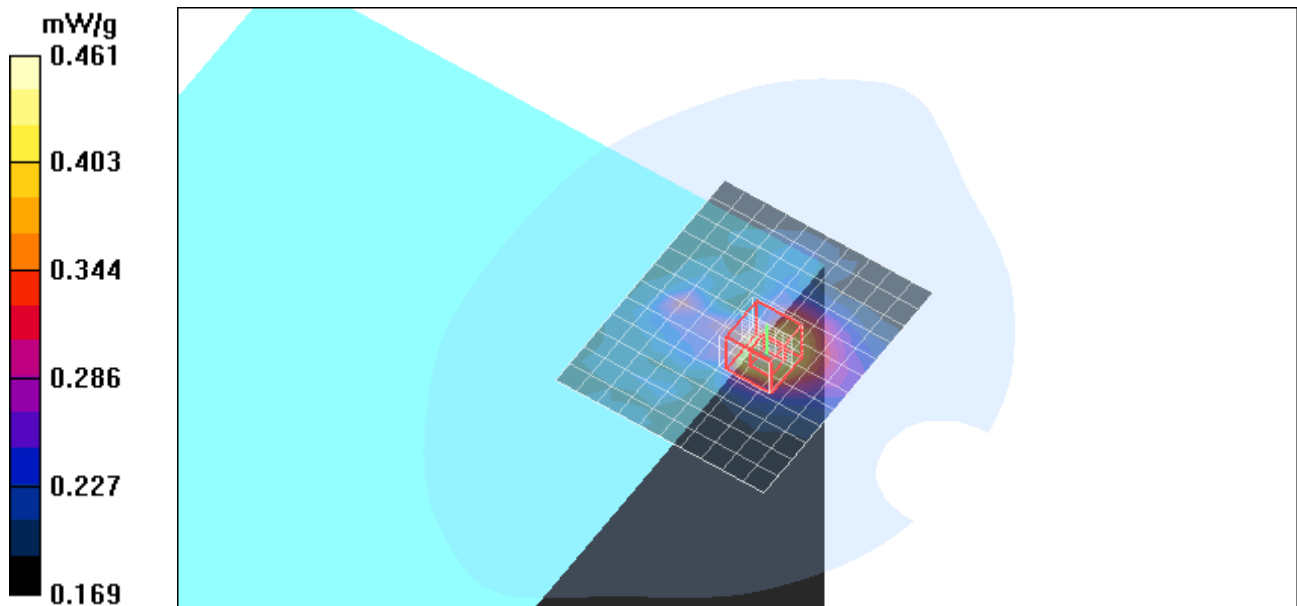
Reference Value = 7.91 V/m; Power Drift = -0.218 dB

Peak SAR (extrapolated) = 0.829 W/kg

SAR(1 g) = 0.375 mW/g; SAR(10 g) = 0.268 mW/g

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

Maximum value of SAR (measured) = 0.471 mW/g



Test Laboratory: Compliance Certification Services

15 Inch Lenovo Laptop (XP) 5.3 GHz

DUT: Lenovo; Type: N/A; Serial: N/A

Communication System: 802.11a; Frequency: 5270 MHz; Duty Cycle: 1:1.04

Medium parameters used (interpolated): $f = 5270$ MHz; $\sigma = 5.44$ mho/m; $\epsilon_r = 45.5$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Room Ambient Temperature: 25.0 deg. C; Liquid Temperature: 24.0 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(3.92, 3.92, 3.92); Calibrated: 4/23/2008
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn500; Calibrated: 11/16/2007
- Phantom: SAM 2 (Twin); Type: SAM 2; Serial: 1050
- Measurement SW: DASY4, V4.7 Build 71; Postprocessing SW: SEMCAD, V1.8 Build 184

802.11n 40MHz 5.3G A+B+C Ant L-ch/Area Scan (11x13x1): Measurement grid: dx=10mm, dy=10mm

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

Maximum value of SAR (measured) = 0.415 mW/g

802.11n 40MHz 5.3G A+B+C Ant L-ch/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm

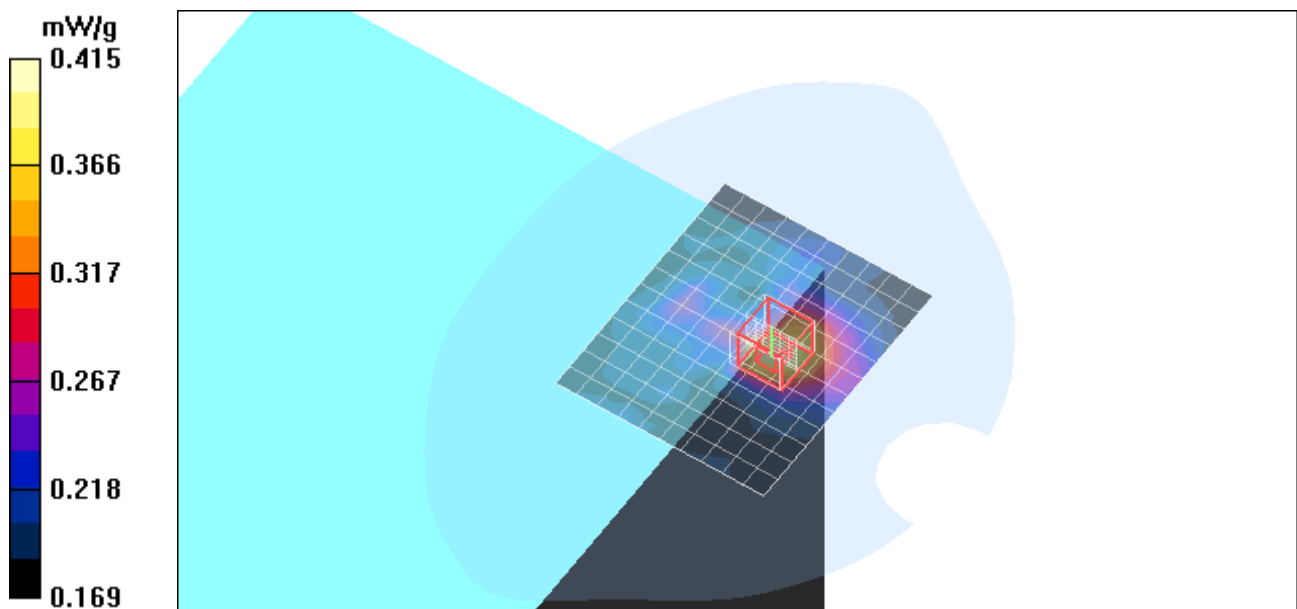
Reference Value = 6.89 V/m; Power Drift = -0.257 dB

Peak SAR (extrapolated) = 0.726 W/kg

SAR(1 g) = 0.344 mW/g; SAR(10 g) = 0.257 mW/g

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

Maximum value of SAR (measured) = 0.423 mW/g



Test Laboratory: Compliance Certification Services

15 Inch Lenovo Laptop (XP) 5.5 GHz

DUT: Lenovo; Type: N/A; Serial: N/A

Communication System: 802.11a; Frequency: 5600 MHz; Duty Cycle: 1:1.01

Medium parameters used: $f = 5600$ MHz; $\sigma = 5.85$ mho/m; $\epsilon_r = 44.8$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Room Ambient Temperature: 25.0 deg. C; Liquid Temperature: 24.0 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(3.5, 3.5, 3.5); Calibrated: 4/23/2008
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn500; Calibrated: 11/16/2007
- Phantom: SAM 2 (Twin); Type: SAM 2; Serial: 1050
- Measurement SW: DASY4, V4.7 Build 71; Postprocessing SW: SEMCAD, V1.8 Build 184

802.11n 20MHz 5.5G A+C Ant - M ch/Area Scan (11x13x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (measured) = 0.556 mW/g

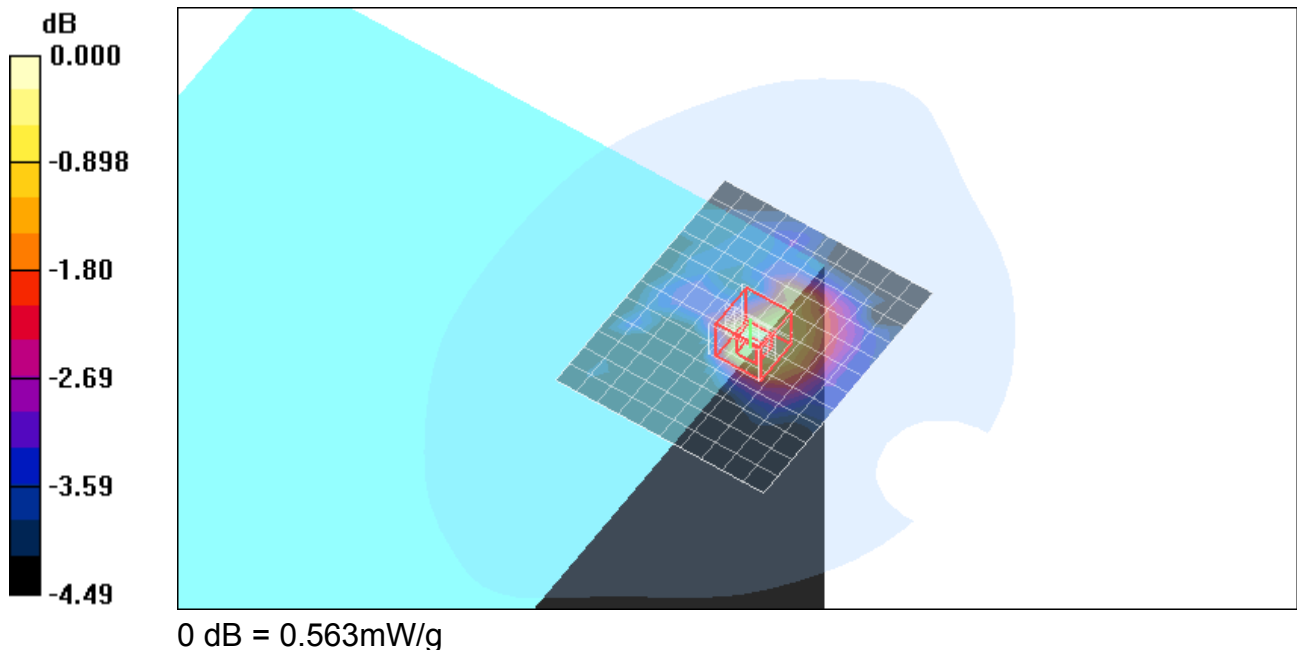
802.11n 20MHz 5.5G A+C Ant - M ch/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm

Reference Value = 9.09 V/m; Power Drift = -0.287 dB

Peak SAR (extrapolated) = 1.22 W/kg

SAR(1 g) = 0.440 mW/g; SAR(10 g) = 0.301 mW/g

Maximum value of SAR (measured) = 0.563 mW/g



Test Laboratory: Compliance Certification Services

15 Inch Lenovo Laptop (XP) 5.8 GHz

DUT: Lenovo; Type: N/A; Serial: N/A

Communication System: 802.11a; Frequency: 5785 MHz; Duty Cycle: 1:1.02

Medium parameters used (interpolated): $f = 5785$ MHz; $\sigma = 6.11$ mho/m; $\epsilon_r = 44.4$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Room Ambient Temperature: 25.0 deg. C; Liquid Temperature: 24.0 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(3.7, 3.7, 3.7); Calibrated: 4/23/2008
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn500; Calibrated: 11/16/2007
- Phantom: SAM 2 (Twin); Type: SAM 2; Serial: 1050
- Measurement SW: DASY4, V4.7 Build 71; Postprocessing SW: SEMCAD, V1.8 Build 184

802.11n 20MHz 5.8G B+C Ant M-ch/Area Scan (11x13x1): Measurement grid: dx=10mm, dy=10mm

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

Maximum value of SAR (measured) = 0.415 mW/g

802.11n 20MHz 5.8G B+C Ant M-ch/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm

Reference Value = 8.23 V/m; Power Drift = -0.225 dB

Peak SAR (extrapolated) = 0.888 W/kg

SAR(1 g) = 0.370 mW/g; SAR(10 g) = 0.289 mW/g

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

Maximum value of SAR (measured) = 0.434 mW/g

