

Test Laboratory: Compliance Certification Services

1_Lenovo W-Note Plastic LCD Cover_WLAN - Calxico 2

DUT: Lenovo ; Type: W-note Plastic LCD Cover; Serial: n/a

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

Medium parameters used (interpolated): $f = 836.52$ MHz; $\sigma = 0.976$ mho/m; $\epsilon_r = 54.9$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Room Ambient Temperature: 23 deg. C; Liquid Temperature: 22 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(9.72, 9.72, 9.72); Calibrated: 3/19/2005
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn500; Calibrated: 2/7/2005
- Phantom: SAM 2; Type: SAM 2; Serial: 1050
- Measurement SW: DASY4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 146

M-ch_WLAN off/Area Scan (10x10x1): Measurement grid: dx=15mm, dy=15mm

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

Maximum value of SAR (measured) = 0.060 mW/g

M-ch_WLAN off/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm

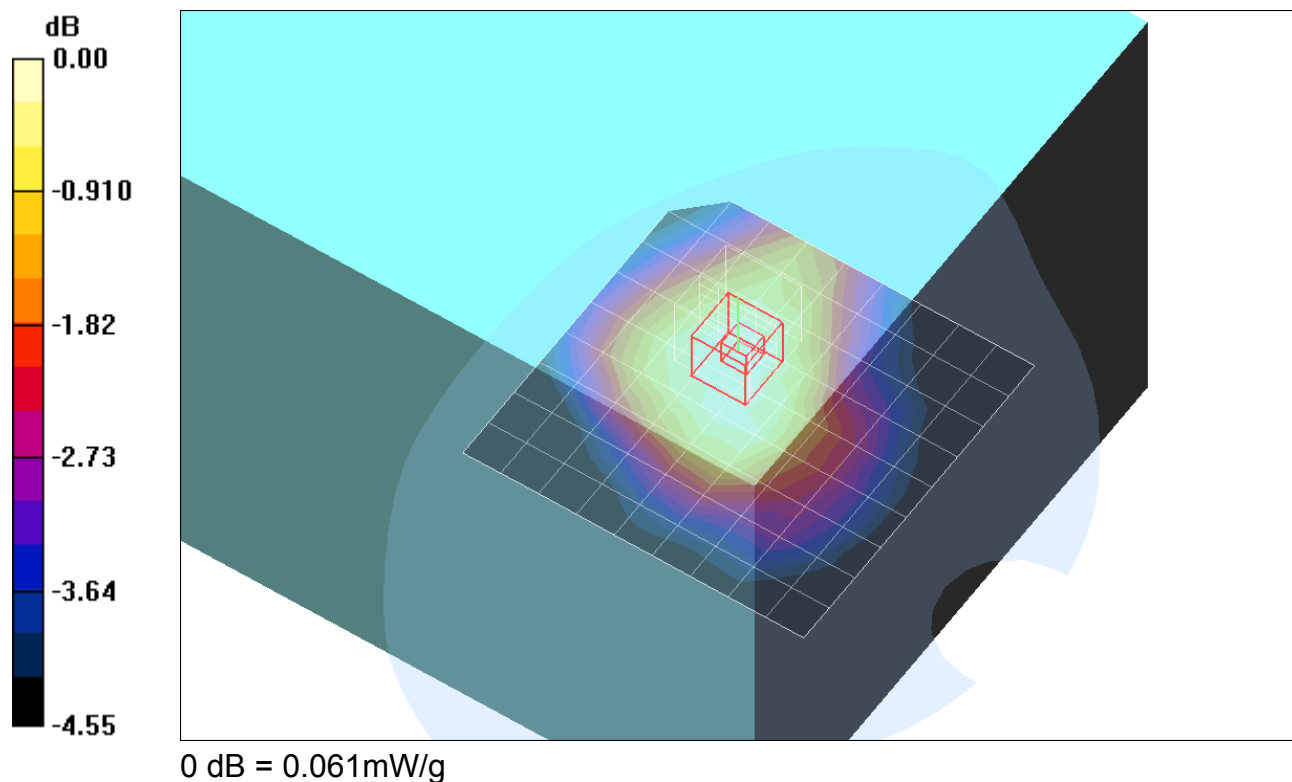
Reference Value = 6.94 V/m; Power Drift = -0.102 dB

Peak SAR (extrapolated) = 0.069 W/kg

SAR(1 g) = 0.055 mW/g; SAR(10 g) = 0.045 mW/g

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

Maximum value of SAR (measured) = 0.061 mW/g



Test Laboratory: Compliance Certification Services

1_Lenovo W-Note Plastic LCD Cover_WLAN - Calxico 2

DUT: Lenovo ; Type: W-note Plastic LCD Cover; Serial: n/a

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

Medium parameters used (interpolated): $f = 836.52$ MHz; $\sigma = 0.976$ mho/m; $\epsilon_r = 54.9$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Room Ambient Temperature: 23 deg. C; Liquid Temperature: 22 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(9.72, 9.72, 9.72); Calibrated: 3/19/2005
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn500; Calibrated: 2/7/2005
- Phantom: SAM 2; Type: SAM 2; Serial: 1050
- Measurement SW: DASY4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 146

M-ch_WLAN on/Area Scan (10x10x1): Measurement grid: dx=15mm, dy=15mm

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

Maximum value of SAR (measured) = 0.060 mW/g

M-ch_WLAN on/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm

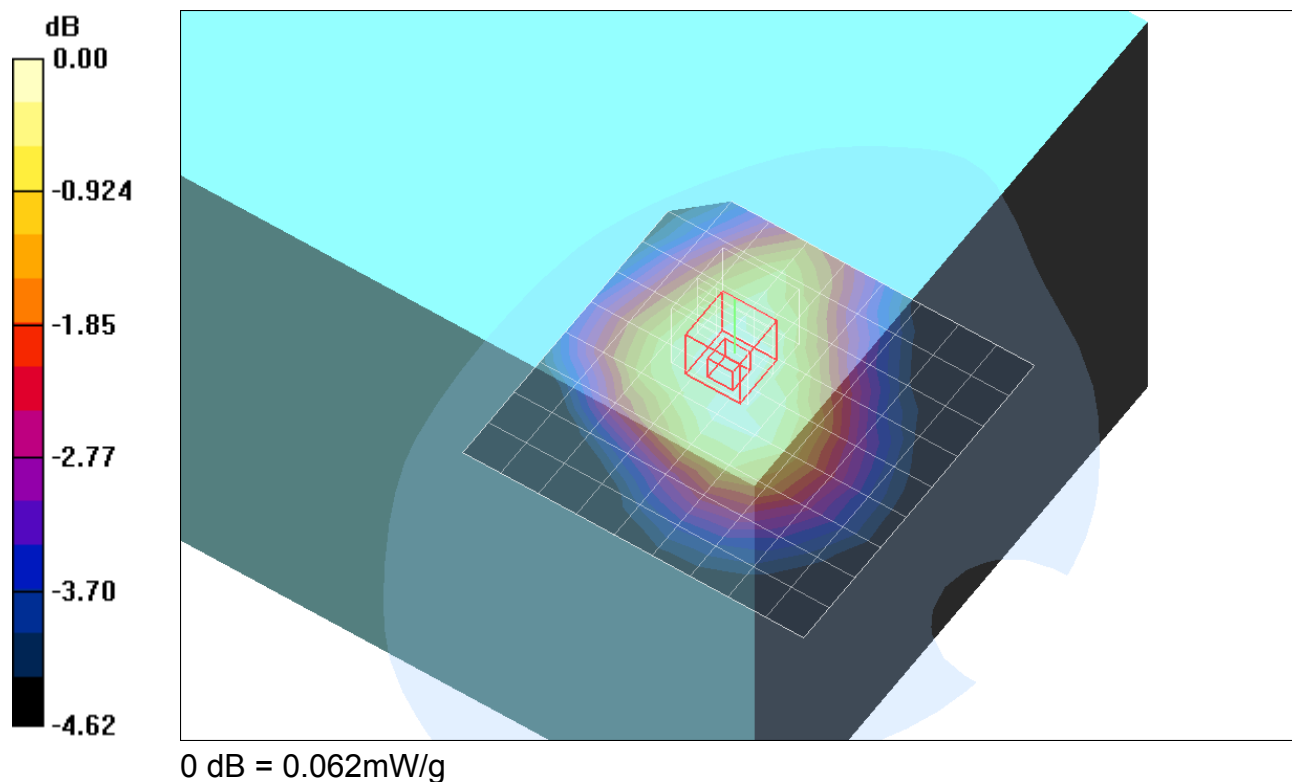
Reference Value = 7.06 V/m; Power Drift = -0.118 dB

Peak SAR (extrapolated) = 0.072 W/kg

SAR(1 g) = 0.056 mW/g; SAR(10 g) = 0.045 mW/g

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

Maximum value of SAR (measured) = 0.062 mW/g



Test Laboratory: Compliance Certification Services

1_Lenovo W-Note Plastic LCD Cover

DUT: Lenovo ; Type: W-note Plastic LCD Cover; Serial: n/a

Communication System: CDMA PCS band; Frequency: 1880 MHz;Duty Cycle: 1:1
Medium parameters used: $f = 1880 \text{ MHz}$; $\sigma = 1.57 \text{ mho/m}$; $\epsilon_r = 52.8$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

Room Ambient Temperature: 23 deg. C; Liquid Temperature: 22 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(7.82, 7.82, 7.82); Calibrated: 3/19/2005
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn500; Calibrated: 2/7/2005
- Phantom: SAM 2; Type: SAM 2; Serial: 1050
- Measurement SW: DASY4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 146

M-ch_WLAN off/Area Scan (11x10x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 0.065 mW/g

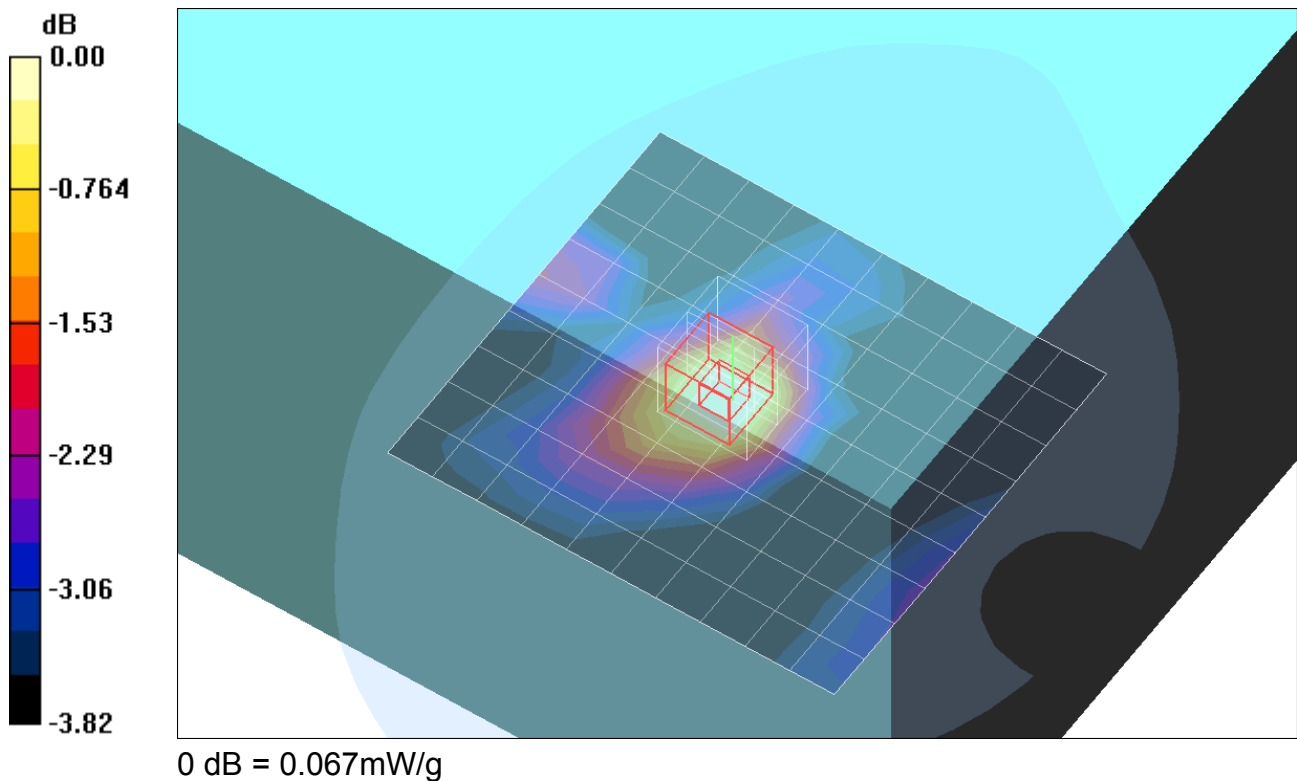
M-ch_WLAN off/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm

Reference Value = 5.80 V/m; Power Drift = -0.096 dB

Peak SAR (extrapolated) = 0.074 W/kg

SAR(1 g) = 0.060 mW/g; SAR(10 g) = 0.048 mW/g

Maximum value of SAR (measured) = 0.067 mW/g



Test Laboratory: Compliance Certification Services

1_Lenovo W-Note Plastic LCD Cover

DUT: Lenovo ; Type: W-note Plastic LCD Cover; Serial: n/a

Communication System: CDMA PCS band; Frequency: 1851.25 MHz;Duty Cycle: 1:1

Medium parameters used (interpolated): $f = 1851.25$ MHz; $\sigma = 1.53$ mho/m; $\epsilon_r = 52.9$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Room Ambient Temperature: 23 deg. C; Liquid Temperature: 22 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(7.82, 7.82, 7.82); Calibrated: 3/19/2005
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn500; Calibrated: 2/7/2005
- Phantom: SAM 2; Type: SAM 2; Serial: 1050
- Measurement SW: DASY4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 146

L-ch_WLAN on/Area Scan (11x10x1): Measurement grid: dx=15mm, dy=15mm

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

Maximum value of SAR (measured) = 0.070 mW/g

L-ch_WLAN on/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm

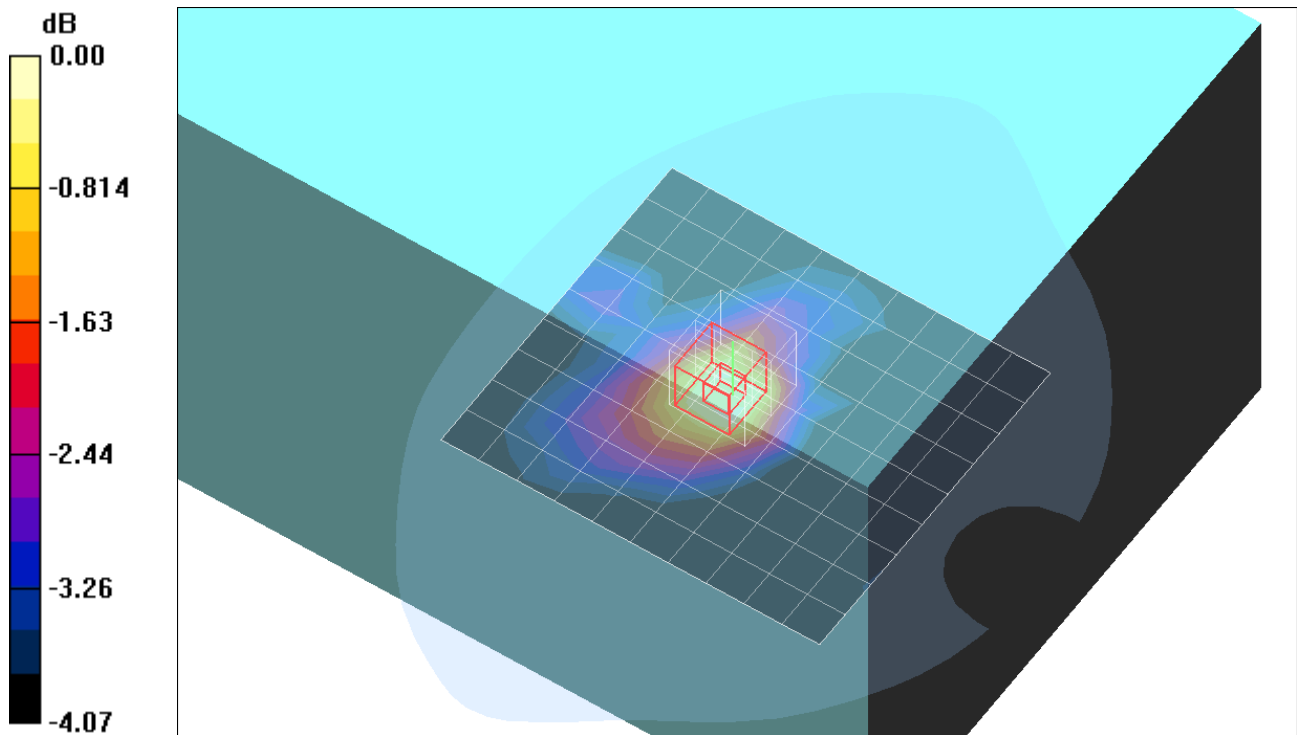
Reference Value = 6.99 V/m; Power Drift = -0.078 dB

Peak SAR (extrapolated) = 0.083 W/kg

SAR(1 g) = 0.065 mW/g; SAR(10 g) = 0.051 mW/g

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

Maximum value of SAR (measured) = 0.073 mW/g



0 dB = 0.073mW/g

Test Laboratory: Compliance Certification Services

1_Lenovo W-Note Plastic LCD Cover

DUT: Lenovo ; Type: W-note Plastic LCD Cover; Serial: n/a

Communication System: CDMA PCS band; Frequency: 1880 MHz;Duty Cycle: 1:1
Medium parameters used: $f = 1880$ MHz; $\sigma = 1.57$ mho/m; $\epsilon_r = 52.8$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Room Ambient Temperature: 23 deg. C; Liquid Temperature: 22 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(7.82, 7.82, 7.82); Calibrated: 3/19/2005
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn500; Calibrated: 2/7/2005
- Phantom: SAM 2; Type: SAM 2; Serial: 1050
- Measurement SW: DASY4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 146

M-ch_WLAN on/Area Scan (11x10x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 0.070 mW/g

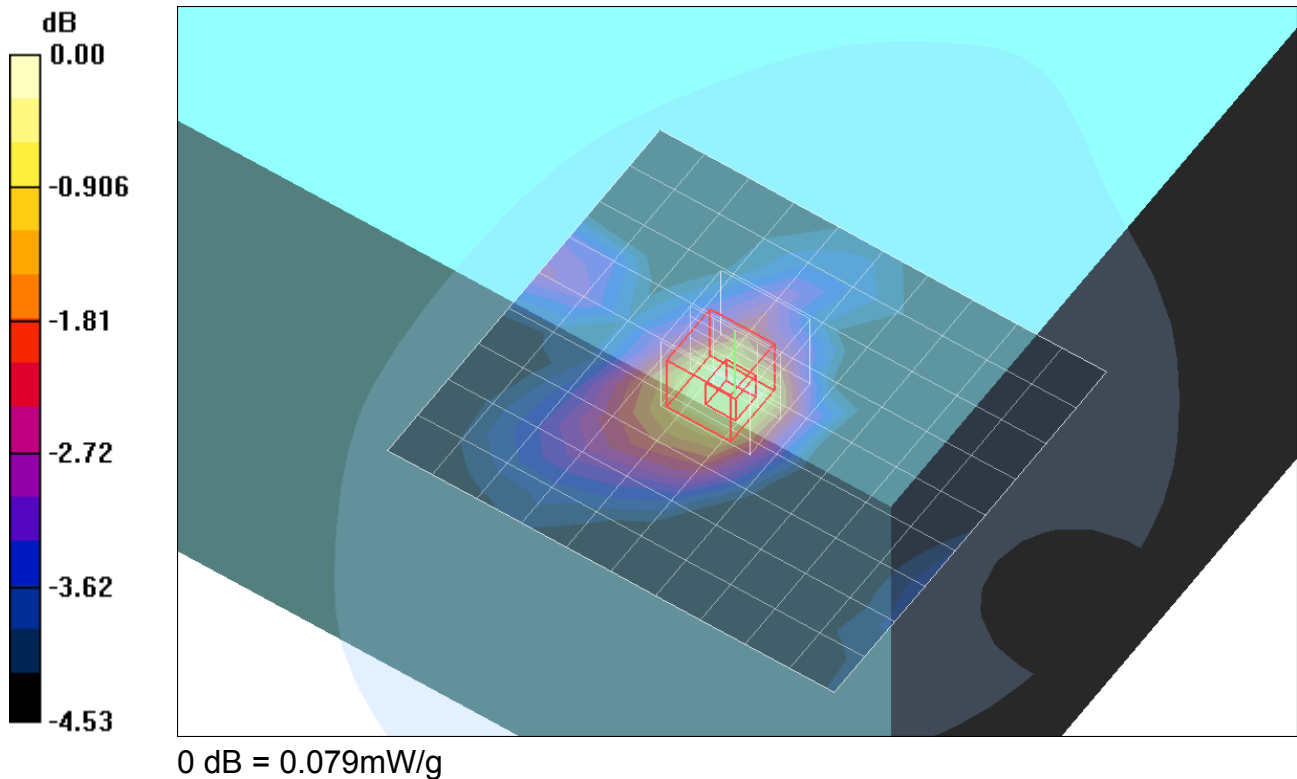
M-ch_WLAN on/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm

Reference Value = 6.04 V/m; Power Drift = -0.105 dB

Peak SAR (extrapolated) = 0.091 W/kg

SAR(1 g) = 0.069 mW/g; SAR(10 g) = 0.053 mW/g

Maximum value of SAR (measured) = 0.079 mW/g



Test Laboratory: Compliance Certification Services

1_Lenovo W-Note Plastic LCD Cover

DUT: Lenovo ; Type: W-note Plastic LCD Cover; Serial: n/a

Communication System: CDMA PCS band; Frequency: 1908.75 MHz;Duty Cycle: 1:1

Medium parameters used (interpolated): $f = 1908.75$ MHz; $\sigma = 1.6$ mho/m; $\epsilon_r = 52.8$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Room Ambient Temperature: 23 deg. C; Liquid Temperature: 22 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(7.82, 7.82, 7.82); Calibrated: 3/19/2005
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn500; Calibrated: 2/7/2005
- Phantom: SAM 2; Type: SAM 2; Serial: 1050
- Measurement SW: DASY4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 146

H-ch_WLAN on/Area Scan (11x10x1): Measurement grid: dx=15mm, dy=15mm

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

Maximum value of SAR (measured) = 0.061 mW/g

H-ch_WLAN on/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm

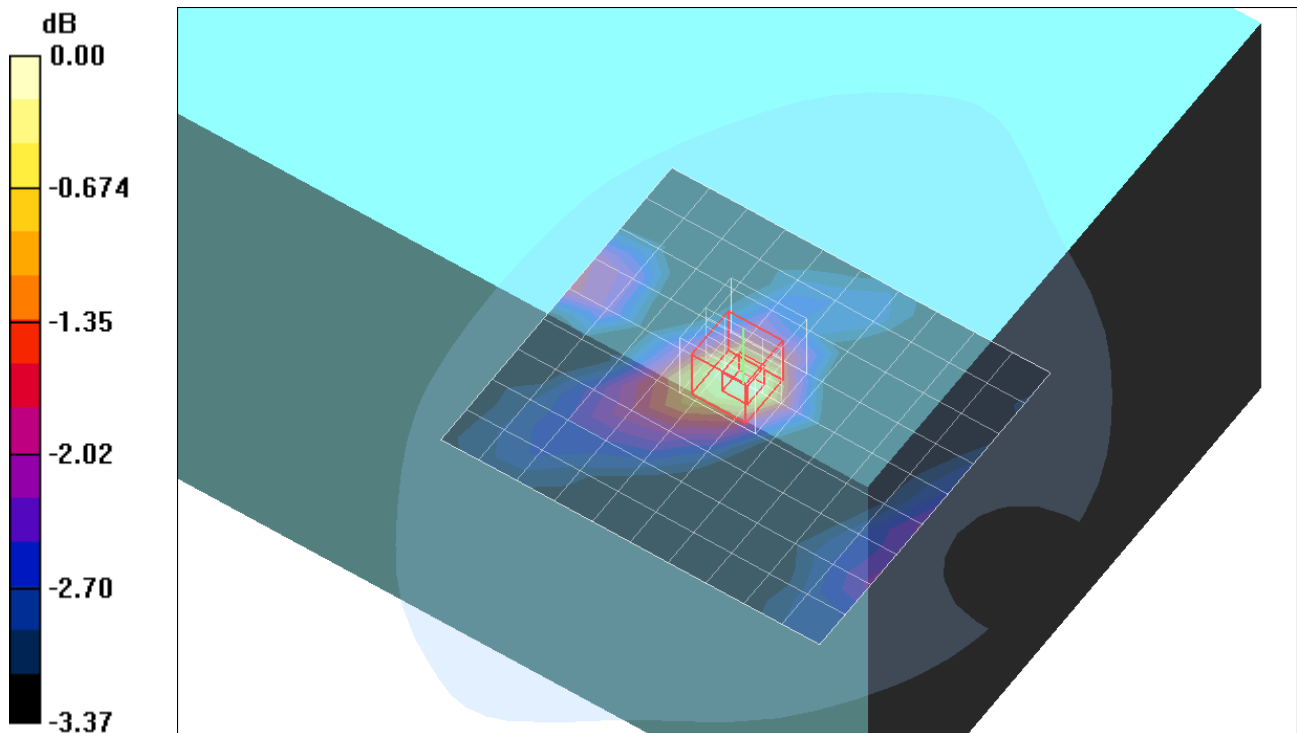
Reference Value = 5.23 V/m; Power Drift = -0.185 dB

Peak SAR (extrapolated) = 0.073 W/kg

SAR(1 g) = 0.056 mW/g; SAR(10 g) = 0.046 mW/g

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

Maximum value of SAR (measured) = 0.064 mW/g



0 dB = 0.064mW/g

Test Laboratory: Compliance Certification Services

2_Lenovo W-Note Plastic LCD Cover_WLAN - Bartlette

DUT: Lenovo ; Type: W-note Plastic LCD Cover; Serial: n/a

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

Medium parameters used (interpolated): $f = 824.7$ MHz; $\sigma = 0.965$ mho/m; $\epsilon_r = 55$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Room Ambient Temperature: 23 deg. C; Liquid Temperature: 22 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(9.72, 9.72, 9.72); Calibrated: 3/19/2005
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn500; Calibrated: 2/7/2005
- Phantom: SAM 2; Type: SAM 2; Serial: 1050
- Measurement SW: DASY4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 146

L-ch_WLAN on/Area Scan (10x10x1): Measurement grid: dx=15mm, dy=15mm

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

Maximum value of SAR (measured) = 0.056 mW/g

L-ch_WLAN on/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm

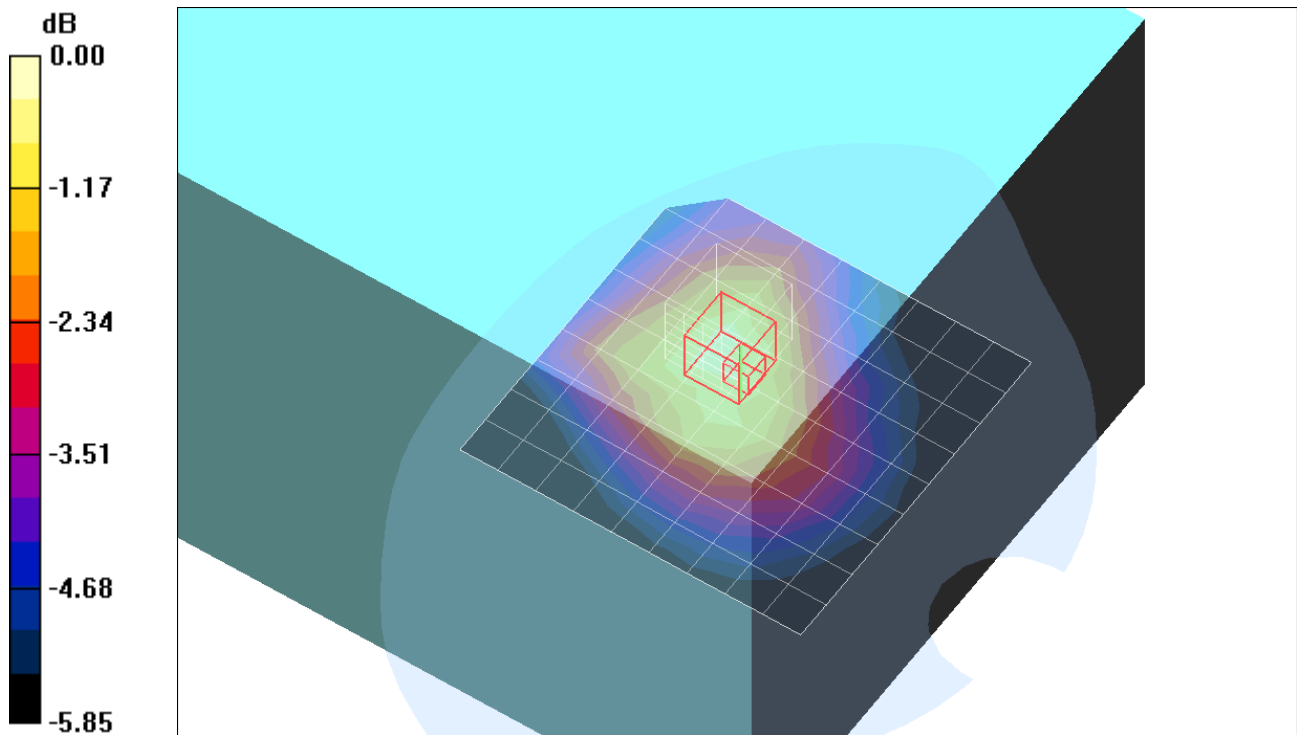
Reference Value = 6.48 V/m; Power Drift = -0.180 dB

Peak SAR (extrapolated) = 0.071 W/kg

SAR(1 g) = 0.052 mW/g; SAR(10 g) = 0.041 mW/g

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

Maximum value of SAR (measured) = 0.064 mW/g



0 dB = 0.064mW/g

Test Laboratory: Compliance Certification Services

2_Lenovo W-Note Plastic LCD Cover_WLAN - Bartlette

DUT: Lenovo ; Type: W-note Plastic LCD Cover; Serial: n/a

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

Medium parameters used (interpolated): $f = 836.52$ MHz; $\sigma = 0.976$ mho/m; $\epsilon_r = 54.9$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Room Ambient Temperature: 23 deg. C; Liquid Temperature: 22 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(9.72, 9.72, 9.72); Calibrated: 3/19/2005
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn500; Calibrated: 2/7/2005
- Phantom: SAM 2; Type: SAM 2; Serial: 1050
- Measurement SW: DASY4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 146

M-ch_WLAN off/Area Scan (11x10x1): Measurement grid: dx=15mm, dy=15mm

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

Maximum value of SAR (measured) = 0.080 mW/g

M-ch_WLAN off/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm

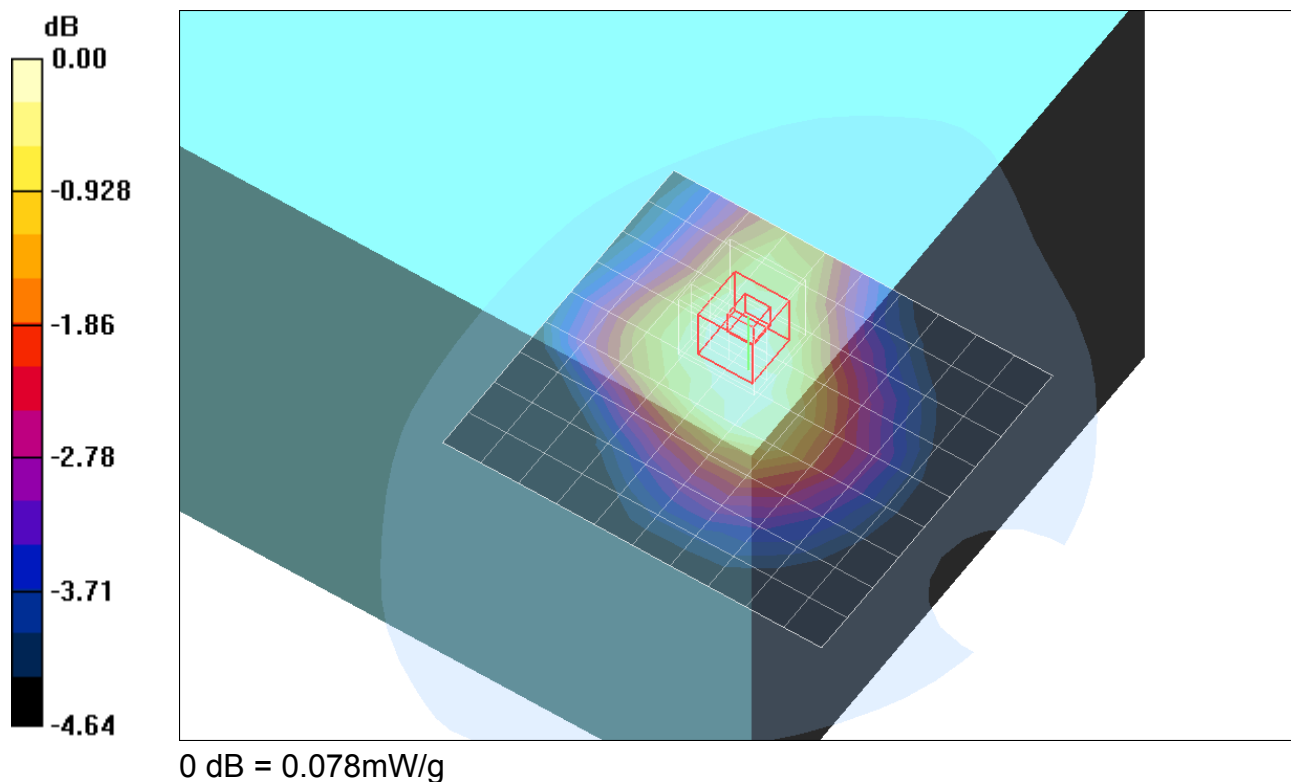
Reference Value = 8.11 V/m; Power Drift = -0.098 dB

Peak SAR (extrapolated) = 0.091 W/kg

SAR(1 g) = 0.069 mW/g; SAR(10 g) = 0.055 mW/g

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

Maximum value of SAR (measured) = 0.078 mW/g



Test Laboratory: Compliance Certification Services

2_Lenovo W-Note Plastic LCD Cover_WLAN - Bartlette

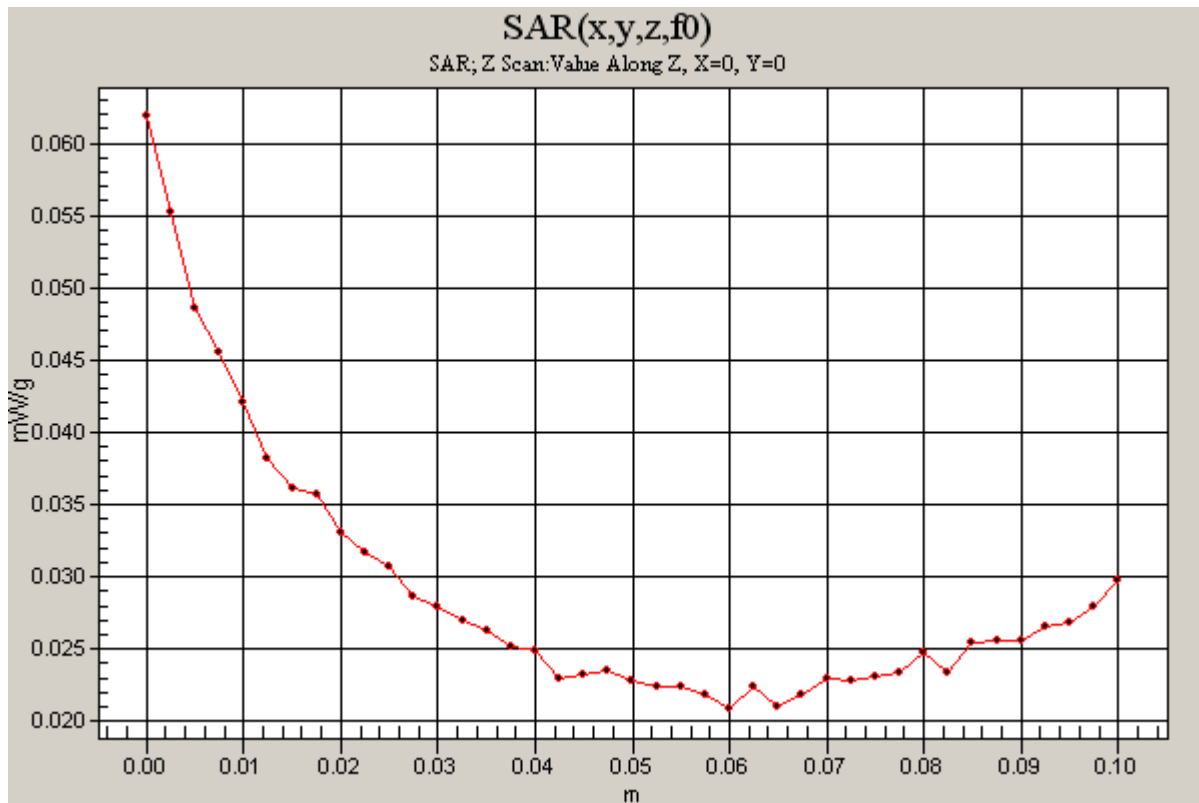
DUT: Lenovo ; Type: W-note Plastic LCD Cover; Serial: n/a

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

M-ch_WLAN off/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) = 0.062 mW/g



Test Laboratory: Compliance Certification Services

2_Lenovo W-Note Plastic LCD Cover_WLAN - Bartlette

DUT: Lenovo ; Type: W-note Plastic LCD Cover; Serial: n/a

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

Medium parameters used (interpolated): $f = 848.31$ MHz; $\sigma = 0.986$ mho/m; $\epsilon_r = 54.9$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Room Ambient Temperature: 23 deg. C; Liquid Temperature: 22 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(9.72, 9.72, 9.72); Calibrated: 3/19/2005
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn500; Calibrated: 2/7/2005
- Phantom: SAM 2; Type: SAM 2; Serial: 1050
- Measurement SW: DASY4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 146

H-ch_WLAN on/Area Scan (10x10x1): Measurement grid: dx=15mm, dy=15mm

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

Maximum value of SAR (measured) = 0.067 mW/g

H-ch_WLAN on/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm

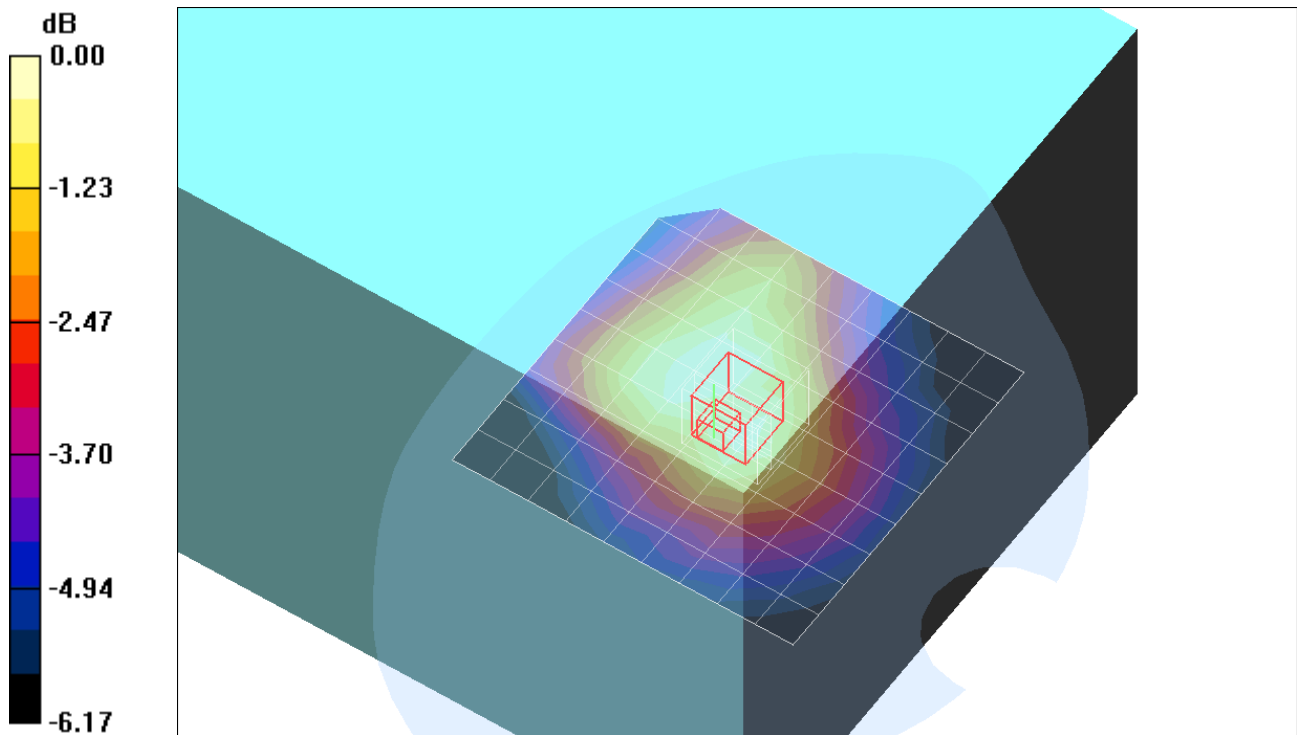
Reference Value = 6.65 V/m; Power Drift = -0.183 dB

Peak SAR (extrapolated) = 0.080 W/kg

SAR(1 g) = 0.060 mW/g; SAR(10 g) = 0.045 mW/g

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

Maximum value of SAR (measured) = 0.068 mW/g



0 dB = 0.068mW/g

Test Laboratory: Compliance Certification Services

2_Lenovo W-Note Plastic LCD Cover_WLAN - Bartlette

DUT: Lenovo ; Type: W-note Plastic LCD Cover; Serial: n/a

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

Medium parameters used (interpolated): $f = 836.52$ MHz; $\sigma = 0.976$ mho/m; $\epsilon_r = 54.9$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Room Ambient Temperature: 23 deg. C; Liquid Temperature: 22 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(9.72, 9.72, 9.72); Calibrated: 3/19/2005
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn500; Calibrated: 2/7/2005
- Phantom: SAM 2; Type: SAM 2; Serial: 1050
- Measurement SW: DASY4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 146

M-ch_WLAN on/Area Scan (10x10x1): Measurement grid: dx=15mm, dy=15mm

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

Maximum value of SAR (measured) = 0.076 mW/g

M-ch_WLAN on/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm

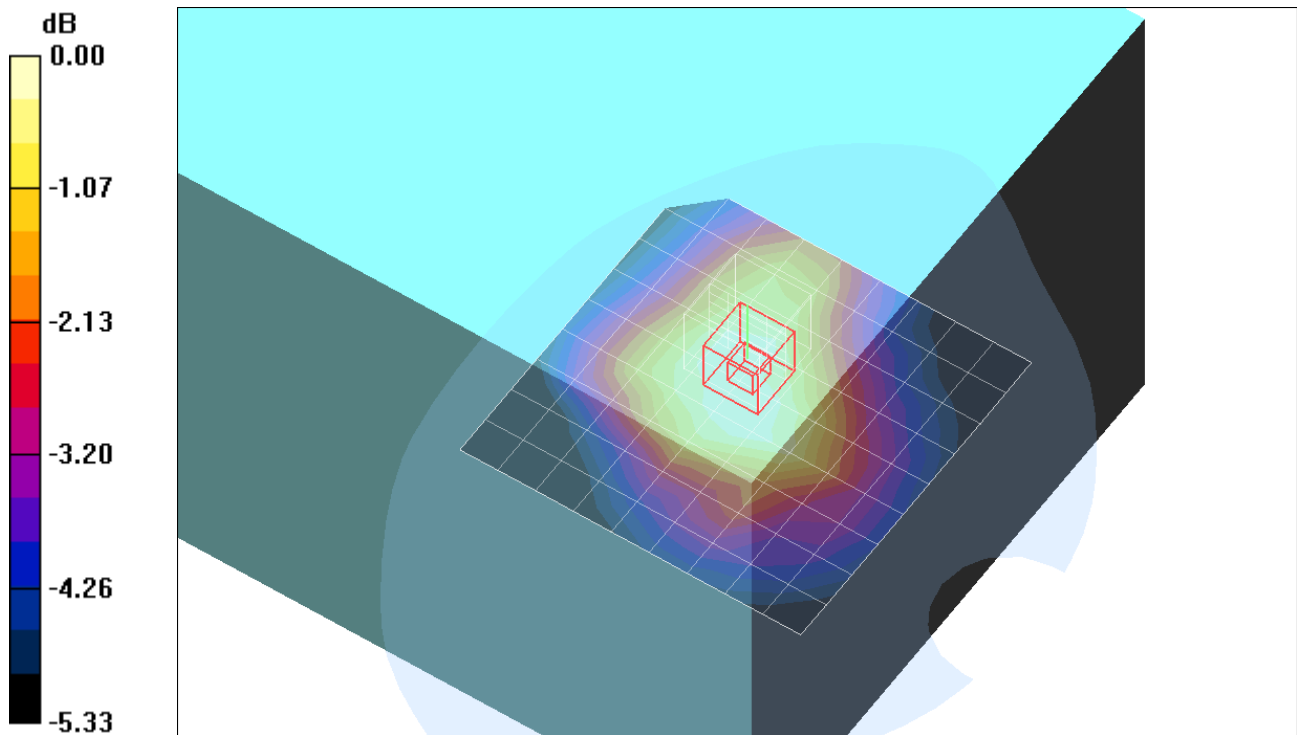
Reference Value = 8.06 V/m; Power Drift = -0.051 dB

Peak SAR (extrapolated) = 0.089 W/kg

SAR(1 g) = 0.066 mW/g; SAR(10 g) = 0.051 mW/g

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

Maximum value of SAR (measured) = 0.075 mW/g



0 dB = 0.075mW/g

Test Laboratory: Compliance Certification Services

2_Lenovo W-Note Plastic LCD Cover_WLAN - Bartlette

DUT: Lenovo ; Type: W-note Plastic LCD Cover; Serial: n/a

Communication System: CDMA PCS band; Frequency: 1880 MHz;Duty Cycle: 1:1
Medium parameters used: $f = 1880$ MHz; $\sigma = 1.58$ mho/m; $\epsilon_r = 52.1$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Room Ambient Temperature: 23 deg. C; Liquid Temperature: 22 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(7.82, 7.82, 7.82); Calibrated: 3/19/2005
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn500; Calibrated: 2/7/2005
- Phantom: SAM 2; Type: SAM 2; Serial: 1050
- Measurement SW: DASY4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 146

M-ch_WLAN off/Area Scan (12x11x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 0.052 mW/g

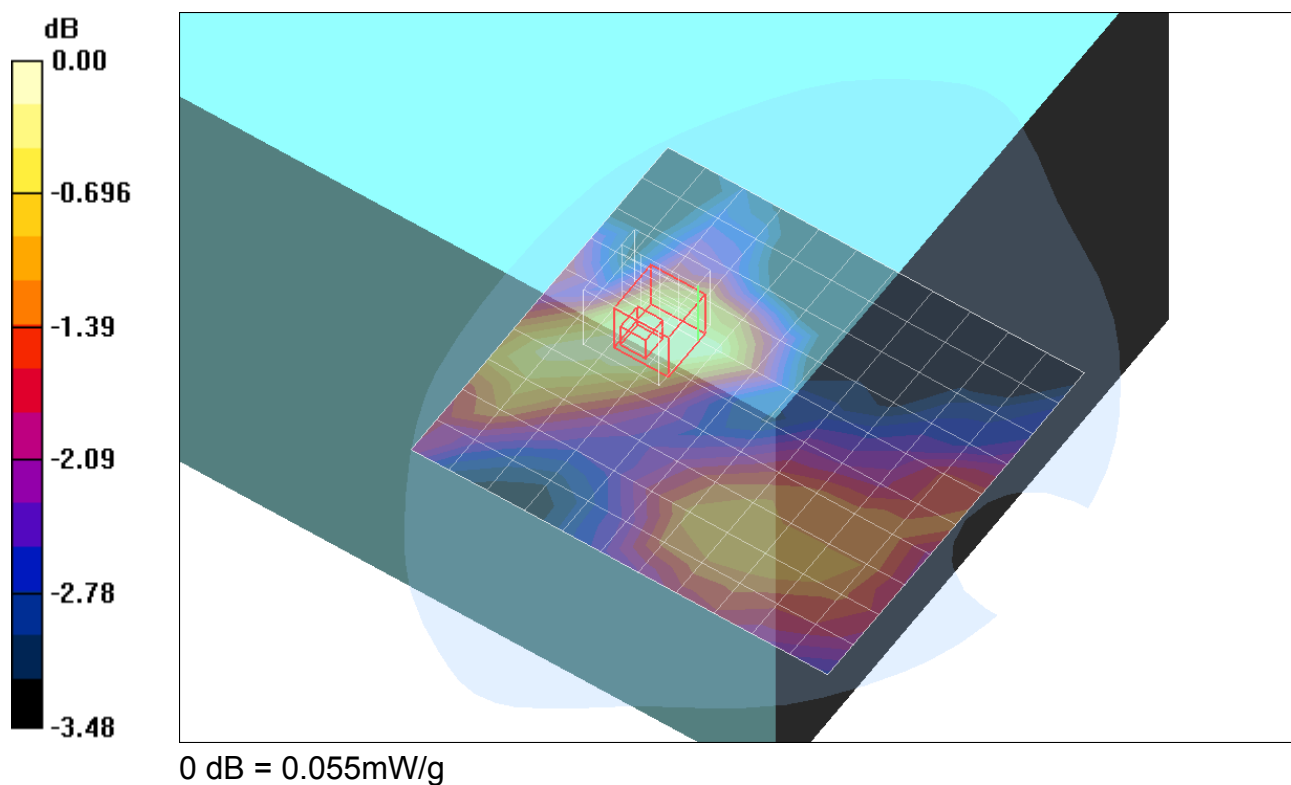
M-ch_WLAN off/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm

Reference Value = 4.39 V/m; Power Drift = -0.142 dB

Peak SAR (extrapolated) = 0.063 W/kg

SAR(1 g) = 0.049 mW/g; SAR(10 g) = 0.040 mW/g

Maximum value of SAR (measured) = 0.055 mW/g



Test Laboratory: Compliance Certification Services

2_Lenovo W-Note Plastic LCD Cover_WLAN - Bartlette

DUT: Lenovo ; Type: W-note Plastic LCD Cover; Serial: n/a

Communication System: CDMA PCS band; Frequency: 1880 MHz;Duty Cycle: 1:1
Medium parameters used: $f = 1880$ MHz; $\sigma = 1.58$ mho/m; $\epsilon_r = 52.1$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Room Ambient Temperature: 23 deg. C; Liquid Temperature: 22 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(7.82, 7.82, 7.82); Calibrated: 3/19/2005
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn500; Calibrated: 2/7/2005
- Phantom: SAM 2; Type: SAM 2; Serial: 1050
- Measurement SW: DASY4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 146

M-ch_WLAN on/Area Scan (12x11x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 0.056 mW/g

M-ch_WLAN on/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm

Reference Value = 4.21 V/m; Power Drift = -0.180 dB

Peak SAR (extrapolated) = 0.063 W/kg

SAR(1 g) = 0.051 mW/g; SAR(10 g) = 0.041 mW/g

