

Test Laboratory: UL CCS SAR Lab C

CDMA2000 PCS 1xRTT (RC3 SO55) Volume scan

Communication System: CDMA2000; Frequency: 1880 MHz; Duty Cycle: 1:1
 Medium parameters used: $f = 1880$ MHz; $\sigma = 1.374$ mho/m; $\epsilon_r = 38.365$; $\rho = 1000$ kg/m³
 Phantom section: Right Section

Room Ambient Temperature: 24.0 deg. C; Liquid Temperature: 23.0 deg. C

DASY5 Configuration:

- Area Scan setting - Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.0012W/kg
- Probe: EX3DV4 - SN3772; ConvF(7.17, 7.17, 7.17); Calibrated: 5/3/2011
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1239; Calibrated: 10/18/2011
- Phantom: SAM with CRP v5.0; Type: QD000P40CD; Serial: TP1632
- Measurement SW: DASY52, Version 52.6 (2); SEMCAD X Version 14.4.5 (3634)

RHS/Touch_M ch w/ wireless charging battery cover/Volume Scan (16x21x7): Measurement

grid: dx=8mm, dy=8mm, dz=5mm

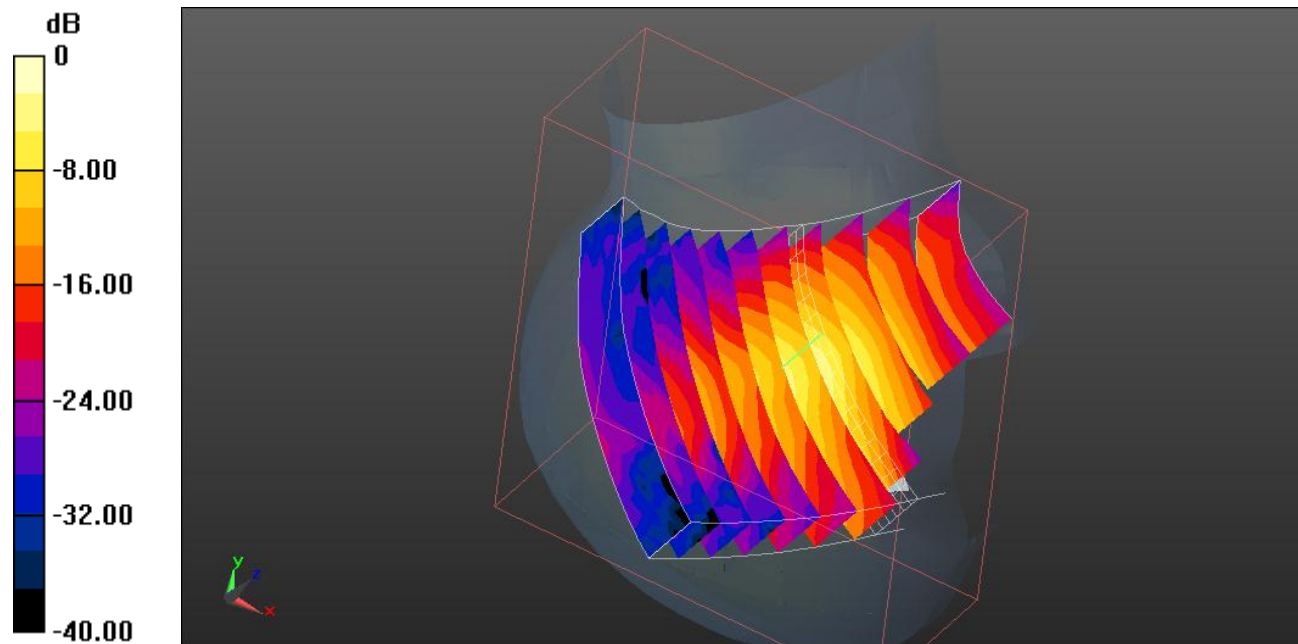
Reference Value = 31.785 V/m; Power Drift = 0.11 dB

Peak SAR (extrapolated) = 1.861 W/kg

SAR(1 g) = 1.19 mW/g; SAR(10 g) = 0.722 mW/g

Total Absorbed Power = 0.0617087 W

Maximum value of SAR (measured) = 1.391 mW/g



0 dB = 1.390mW/g

Test Laboratory: UL CCS SAR Lab B

CDMA2000 Cell 1xEVDO (Rel. 0) Volume scan

Communication System: CDMA2000; Frequency: 824.7 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 825$ MHz; $\sigma = 0.876$ mho/m; $\epsilon_r = 42.433$; $\rho = 1000$ kg/m³
Phantom section: Right Section

Room Ambient Temperature: 24.0 deg. C; Liquid Temperature: 23.0 deg. C

DASY5 Configuration:

- Area Scan setting - Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.0012W/kg
- Probe: EX3DV4 - SN3773; ConvF(8.64, 8.64, 8.64); Calibrated: 5/3/2011
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1258; Calibrated: 5/2/2011
- Phantom: SAM with CRP v5.0; Type: QD000P40CD; Serial: TP1632
- Measurement SW: DASY52, Version 52.6 (2); SEMCAD X Version 14.4.5 (3634)

RHS/Touch_L ch w/ wireless battery cover/Volume Scan (16x21x7): Measurement grid: dx=8mm, dy=8mm, dz=5mm

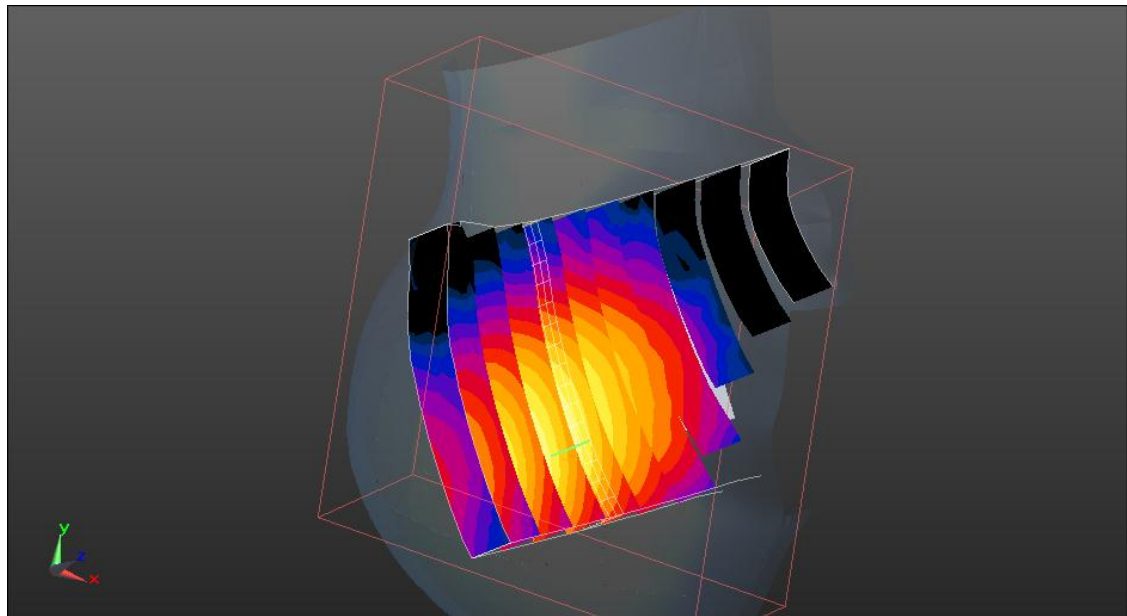
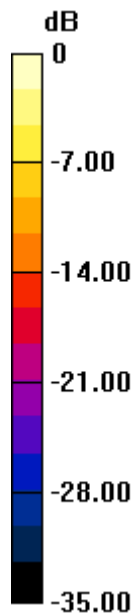
Reference Value = 34.178 V/m; Power Drift = -0.09 dB

Peak SAR (extrapolated) = 1.420 W/kg

SAR(1 g) = 0.886 mW/g; SAR(10 g) = 0.549 mW/g

Total Absorbed Power = 0.0385279 W

Maximum value of SAR (measured) = 1.083 mW/g



0 dB = 1.080mW/g

Test Laboratory: UL CCS SAR Lab C

CDMA2000 PCS 1xEVDO (Rel. 0) Volume scan

Communication System: CDMA2000; Frequency: 1880 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 1880$ MHz; $\sigma = 1.374$ mho/m; $\epsilon_r = 38.365$; $\rho = 1000$ kg/m³
Phantom section: Right Section

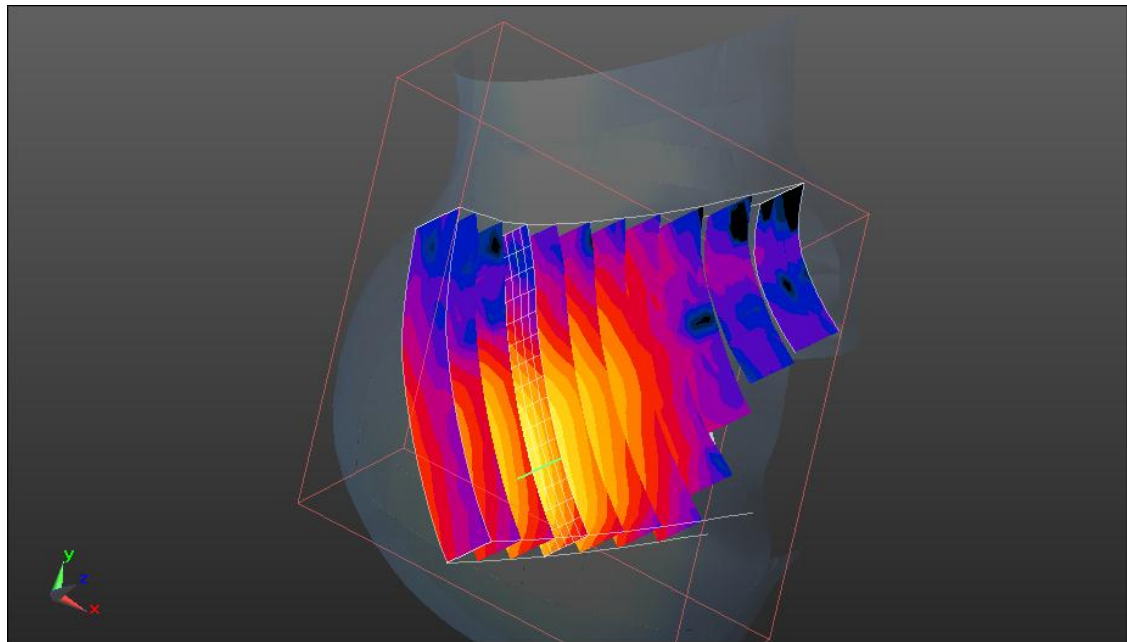
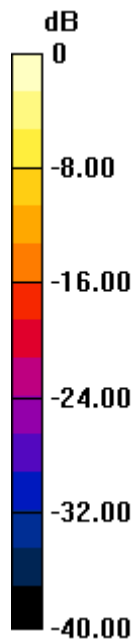
Room Ambient Temperature: 24.0 deg. C; Liquid Temperature: 23.0 deg. C

DASY5 Configuration:

- Area Scan setting - Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.0012W/kg
- Probe: EX3DV4 - SN3772; ConvF(7.17, 7.17, 7.17); Calibrated: 5/3/2011
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1239; Calibrated: 10/18/2011
- Phantom: SAM with CRP v5.0; Type: QD000P40CD; Serial: TP1632
- Measurement SW: DASY52, Version 52.6 (2); SEMCAD X Version 14.4.5 (3634)

RHS/Touch_M ch w/ wireless charging battery cover/Volume Scan (16x21x7):

Measurement grid: $dx=8$ mm, $dy=8$ mm, $dz=5$ mm
Reference Value = 25.543 V/m; Power Drift = 0.08 dB
Peak SAR (extrapolated) = 1.217 W/kg
SAR(1 g) = 0.696 mW/g; SAR(10 g) = 0.391 mW/g
Total Absorbed Power = 0.0239485 W
Maximum value of SAR (measured) = 0.875 mW/g



0 dB = 0.870mW/g

Test Laboratory: UL CCS SAR Lab B

WiFi 802.11b 1Mbps Volume Scan

Communication System: IEEE 802.11 b/g/n; Frequency: 2437 MHz; Duty Cycle: 1:1

Medium parameters used (interpolated): $f = 2437$ MHz; $\sigma = 1.818$ mho/m; $\epsilon_r = 37.935$; $\rho = 1000$ kg/m³

Phantom section: Right Section

Room Ambient Temperature: 24.0 deg. C; Liquid Temperature: 23.0 deg. C

DASY5 Configuration:

- Area Scan setting - Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.0012W/kg
- Probe: EX3DV4 - SN3773; ConvF(6.56, 6.56, 6.56); Calibrated: 5/3/2011
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1258; Calibrated: 5/2/2011
- Phantom: SAM with CRP v5.0; Type: QD000P40CD; Serial: TP1632
- Measurement SW: DASY52, Version 52.6 (2); SEMCAD X Version 14.4.5 (3634)

RHS/Touch_M ch /Volume Scan (16x21x7): Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 9.421 V/m; Power Drift = -0.13 dB

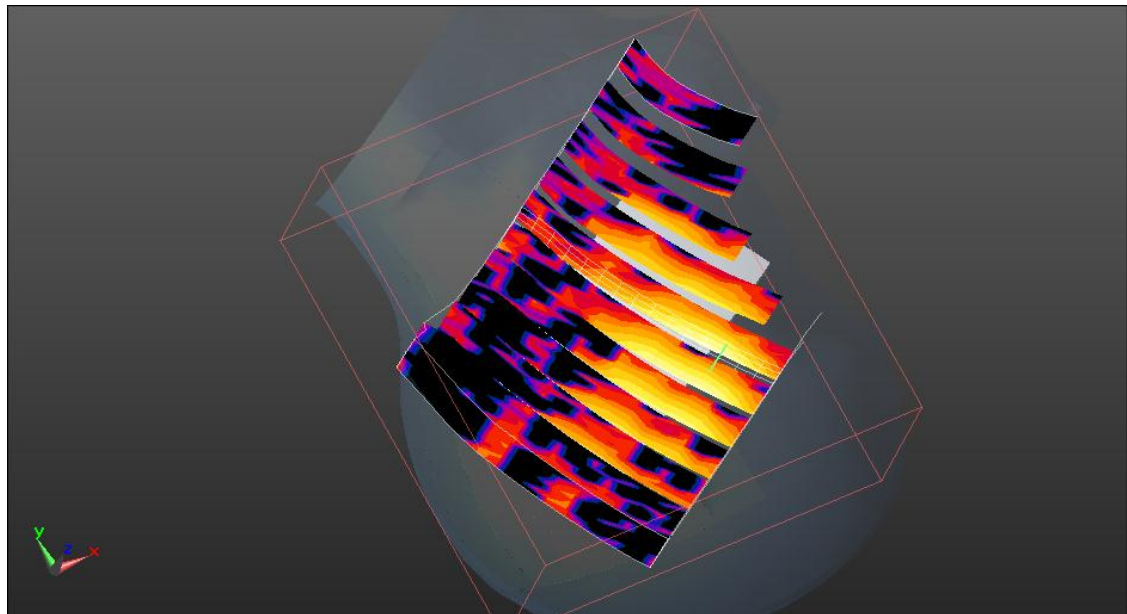
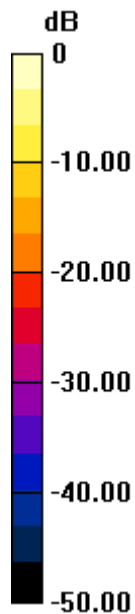
Peak SAR (extrapolated) = 0.328 W/kg

SAR(1 g) = 0.113 mW/g; SAR(10 g) = 0.054 mW/g

Total Absorbed Power = 0.00251339 W

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

Maximum value of SAR (measured) = 0.155 mW/g



0 dB = 0.160mW/g

Test Laboratory: UL CCS SAR Lab C

CDMA2000 Cell 1xRTT (RC3 SO32) Volume scan

Communication System: CDMA2000; Frequency: 848.31 MHz; Duty Cycle: 1:1

Medium parameters used (interpolated): $f = 848.31$ MHz; $\sigma = 0.99$ mho/m; $\epsilon_r = 54.115$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Room Ambient Temperature: 24.0 deg. C; Liquid Temperature: 23.0 deg. C

DASY5 Configuration:

- Area Scan setting - Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.0012W/kg
- Probe: EX3DV4 - SN3772; ConvF(8.57, 8.57, 8.57); Calibrated: 5/3/2011
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1239; Calibrated: 10/18/2011
- Phantom: ELI v4.0 (B); Type: QDOVA001BB; Serial: 1121
- Measurement SW: DASY52, Version 52.6 (2); SEMCAD X Version 14.4.5 (3634)

Rear/H ch/Volume Scan (16x21x7): Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 31.776 V/m; Power Drift = 0.02 dB

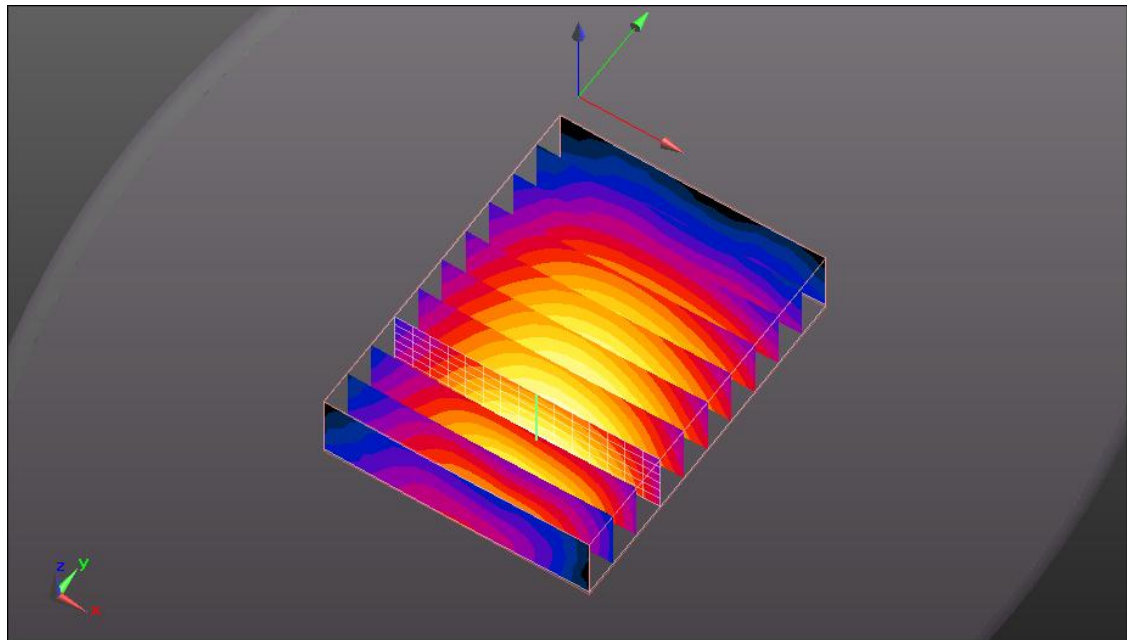
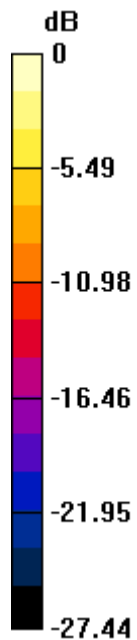
Peak SAR (extrapolated) = 1.320 W/kg

SAR(1 g) = 0.895 mW/g; SAR(10 g) = 0.635 mW/g

Total Absorbed Power = 0.0763953 W

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

Maximum value of SAR (measured) = 1.033 mW/g



0 dB = 1.030mW/g

Test Laboratory: UL CCS SAR Lab C

CDMA2000 PCS 1xRTT (RC3 SO32) Volume scan

Communication System: CDMA2000; Frequency: 1851.25 MHz; Duty Cycle: 1:1

Medium parameters used (interpolated): $f = 1851.25$ MHz; $\sigma = 1.451$ mho/m; $\epsilon_r = 51.177$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Room Ambient Temperature: 24.0 deg. C; Liquid Temperature: 23.0 deg. C

DASY5 Configuration:

- Area Scan setting - Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.0012W/kg
- Probe: EX3DV4 - SN3772; ConvF(6.76, 6.76, 6.76); Calibrated: 5/3/2011
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1239; Calibrated: 10/18/2011
- Phantom: ELI v4.0 (A); Type: QDOVA001BB; Serial: 1117
- Measurement SW: DASY52, Version 52.6 (2); SEMCAD X Version 14.4.5 (3634)

Rear/L ch/Volume Scan (16x21x7): Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 32.054 V/m; Power Drift = 0.05 dB

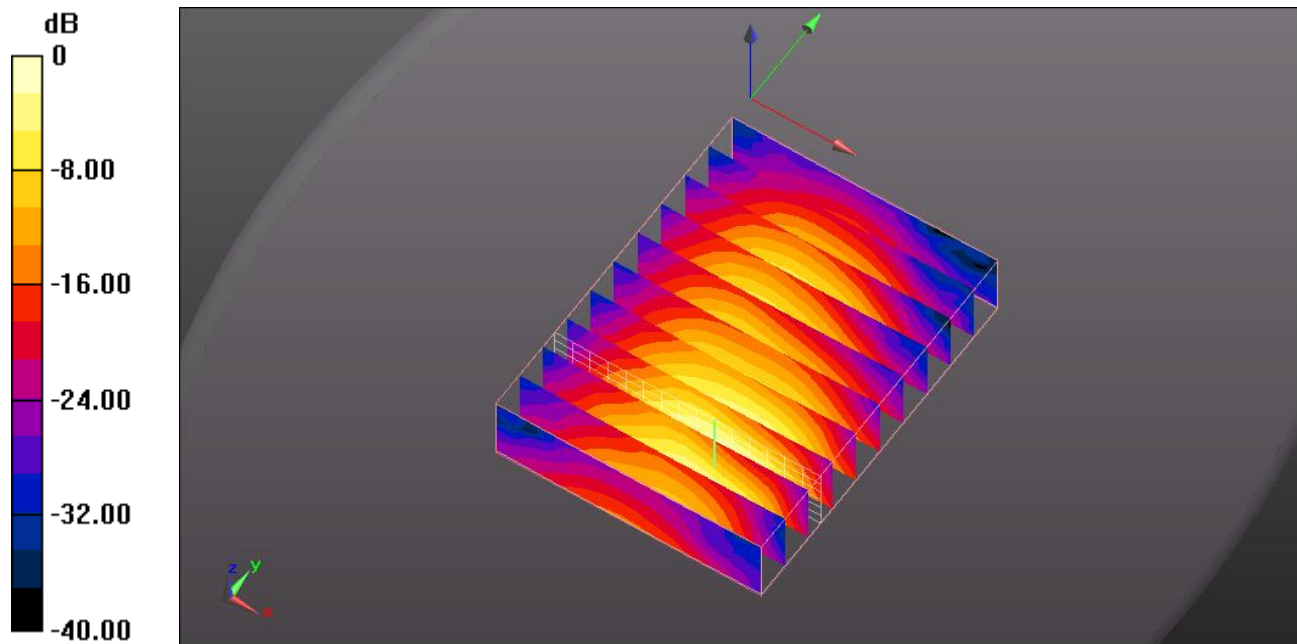
Peak SAR (extrapolated) = 2.011 W/kg

SAR(1 g) = 1.16 mW/g; SAR(10 g) = 0.673 mW/g

Total Absorbed Power = 0.05523 W

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

Maximum value of SAR (measured) = 1.482 mW/g



0 dB = 1.480mW/g

Test Laboratory: UL CCS SAR Lab C

CDMA2000 Cell 1xEVDO (Rel. 0) Volume scan

Communication System: CDMA2000; Frequency: 836.52 MHz; Duty Cycle: 1:1

Medium parameters used (interpolated): $f = 836.52$ MHz; $\sigma = 0.978$ mho/m; $\epsilon_r = 54.232$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Room Ambient Temperature: 24.0 deg. C; Liquid Temperature: 23.0 deg. C

DASY5 Configuration:

- Area Scan setting - Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.0012W/kg
- Probe: EX3DV4 - SN3772; ConvF(8.57, 8.57, 8.57); Calibrated: 5/3/2011
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1239; Calibrated: 10/18/2011
- Phantom: ELI v4.0 (B); Type: QDOVA001BB; Serial: 1121
- Measurement SW: DASY52, Version 52.6 (2); SEMCAD X Version 14.4.5 (3634)

Rear/M ch/Volume Scan (16x21x7): Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 33.597 V/m; Power Drift = 0.19 dB

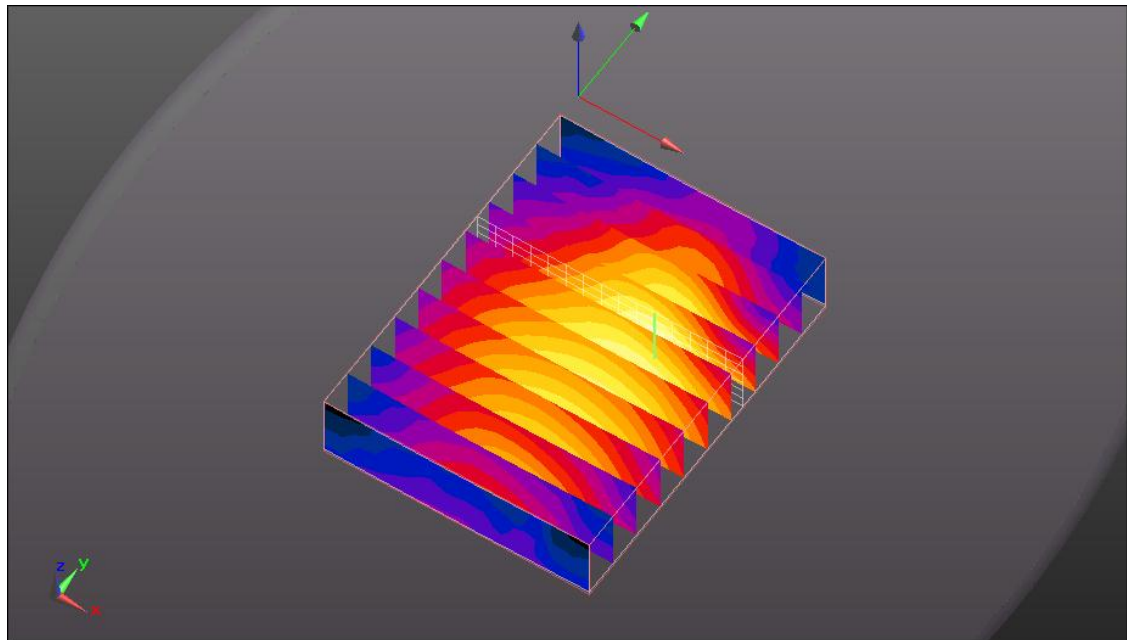
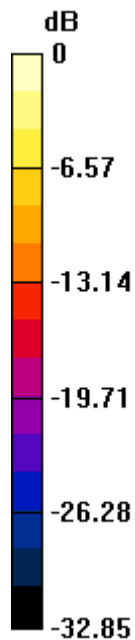
Peak SAR (extrapolated) = 1.530 W/kg

SAR(1 g) = 0.977 mW/g; SAR(10 g) = 0.607 mW/g

Total Absorbed Power = 0.0587878 W

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

Maximum value of SAR (measured) = 1.181 mW/g



0 dB = 1.180mW/g

Test Laboratory: UL CCS SAR Lab C

CDMA2000 PCS 1xEVDO (Rel. 0) Volume scan

Communication System: CDMA2000; Frequency: 1880 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 1880$ MHz; $\sigma = 1.484$ mho/m; $\epsilon_r = 51.077$; $\rho = 1000$ kg/m³
Phantom section: Flat Section

Room Ambient Temperature: 24.0 deg. C; Liquid Temperature: 23.0 deg. C

DASY5 Configuration:

- Area Scan setting - Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.0012W/kg
- Probe: EX3DV4 - SN3772; ConvF(6.76, 6.76, 6.76); Calibrated: 5/3/2011
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1239; Calibrated: 10/18/2011
- Phantom: ELI v4.0 (A); Type: QDOVA001BB; Serial: 1117
- Measurement SW: DASY52, Version 52.6 (2); SEMCAD X Version 14.4.5 (3634)

Rear/M ch/Volume Scan (16x21x7): Measurement grid: dx=8mm, dy=8mm, dz=5mm

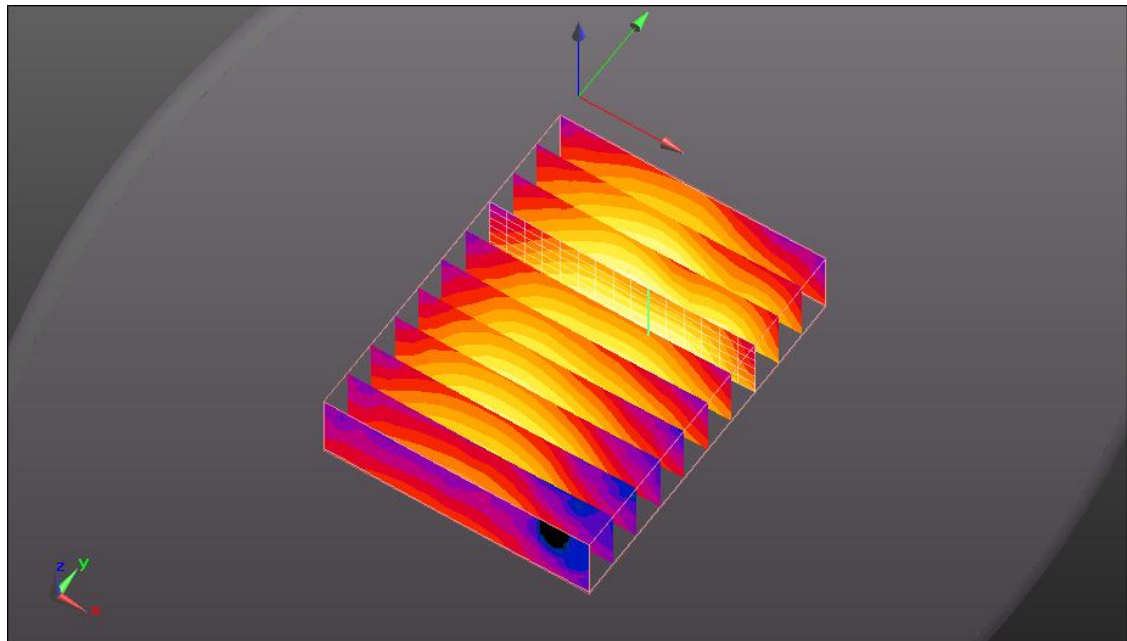
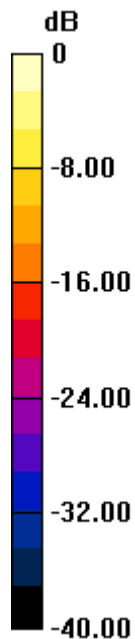
Reference Value = 14.681 V/m; Power Drift = -0.02 dB

Peak SAR (extrapolated) = 0.968 W/kg

SAR(1 g) = 0.574 mW/g; SAR(10 g) = 0.355 mW/g

Total Absorbed Power = 0.0443021 W

Maximum value of SAR (measured) = 0.736 mW/g



0 dB = 0.740mW/g

Test Laboratory: UL CCS SAR Lab B

WiFi 802.11b 1Mbps Volume Scan

Communication System: IEEE 802.11b/g/n 2.4 GHz Band; Frequency: 2437 MHz; Duty Cycle: 1:1
 Medium parameters used (interpolated): $f = 2437$ MHz; $\sigma = 1.936$ mho/m; $\epsilon_r = 51.617$; $\rho = 1000$ kg/m³
 Phantom section: Flat Section

Room Ambient Temperature: 24.0 deg. C; Liquid Temperature: 23.0 deg. C

DASY5 Configuration:

- Area Scan setting - Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.0012W/kg
- Probe: EX3DV4 - SN3773; ConvF(6.87, 6.87, 6.87); Calibrated: 5/3/2011
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1258; Calibrated: 5/2/2011
- Phantom: ELI v5.0 (B); Type: QDOVA001BB; Serial: 1118
- Measurement SW: DASY52, Version 52.6 (2); SEMCAD X Version 14.4.5 (3634)

Rear/M ch /Volume Scan (16x21x7): Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 10.407 V/m; Power Drift = -0.14 dB

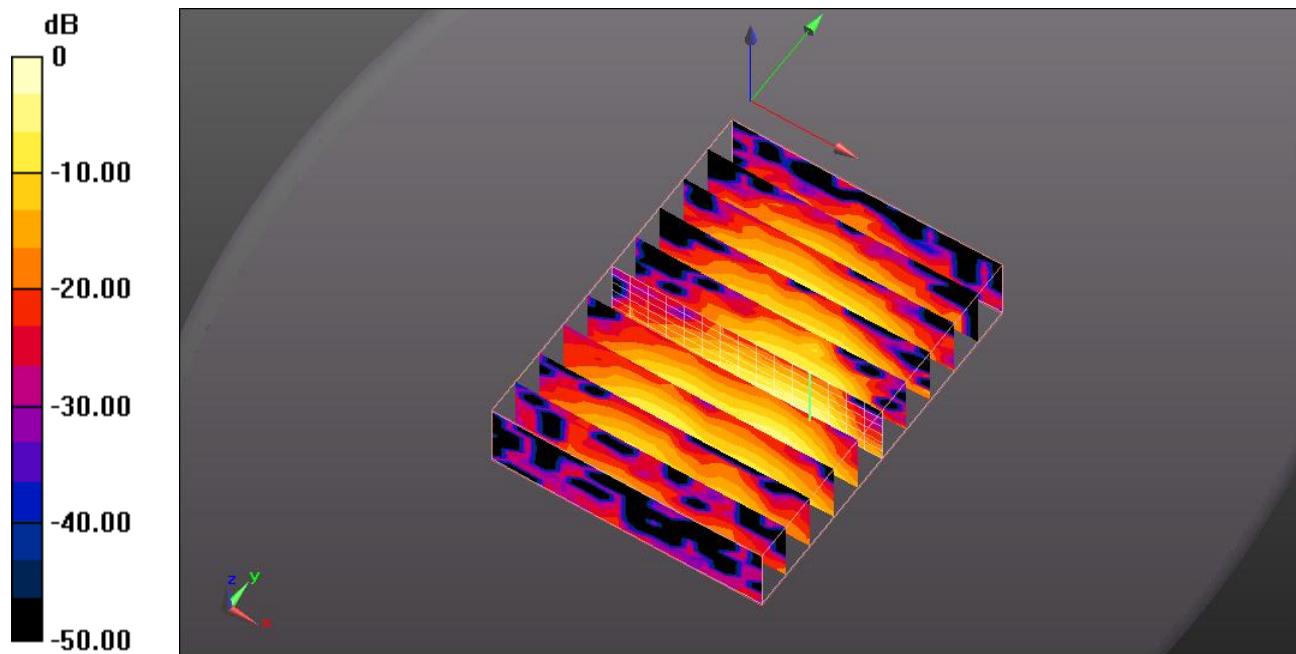
Peak SAR (extrapolated) = 0.374 W/kg

SAR(1 g) = 0.177 mW/g; SAR(10 g) = 0.086 mW/g

Total Absorbed Power = 0.00571635 W

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

Maximum value of SAR (measured) = 0.234 mW/g



0 dB = 0.230mW/g