Date: 11/21/2011

Test Laboratory: UL CCS SAR Lab C

CDMA2000 Cell 1xRTT (RC3 SO32) Volume scan

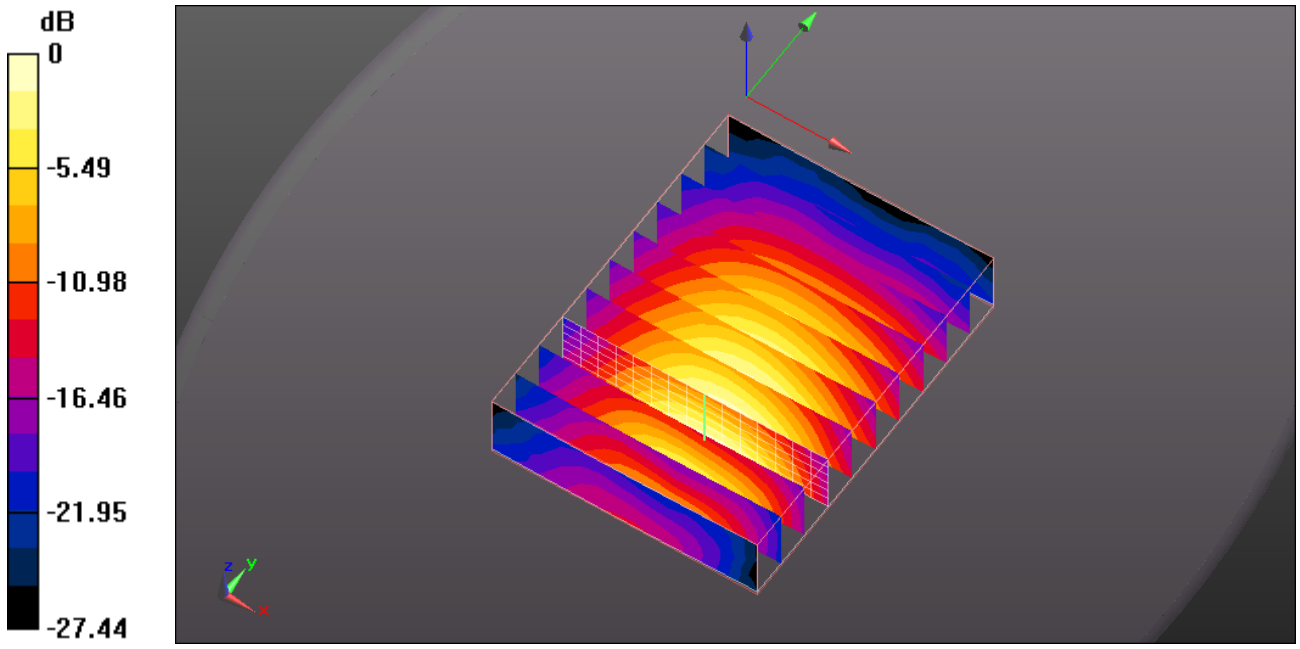
Communication System: CDMA2000; Frequency: 848.31 MHz;Duty Cycle: 1:1
Medium parameters used (interpolated): f = 848.31 MHz; σ = 0.99 mho/m; ε_r = 54.115; ρ = 1000 kg/m^3
Phantom section: Flat Section

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

Date: 11/20/2011

Test Laboratory: UL CCS SAR Lab C

CDMA2000 PCS 1xRTT (RC3 SO32) Volume scan

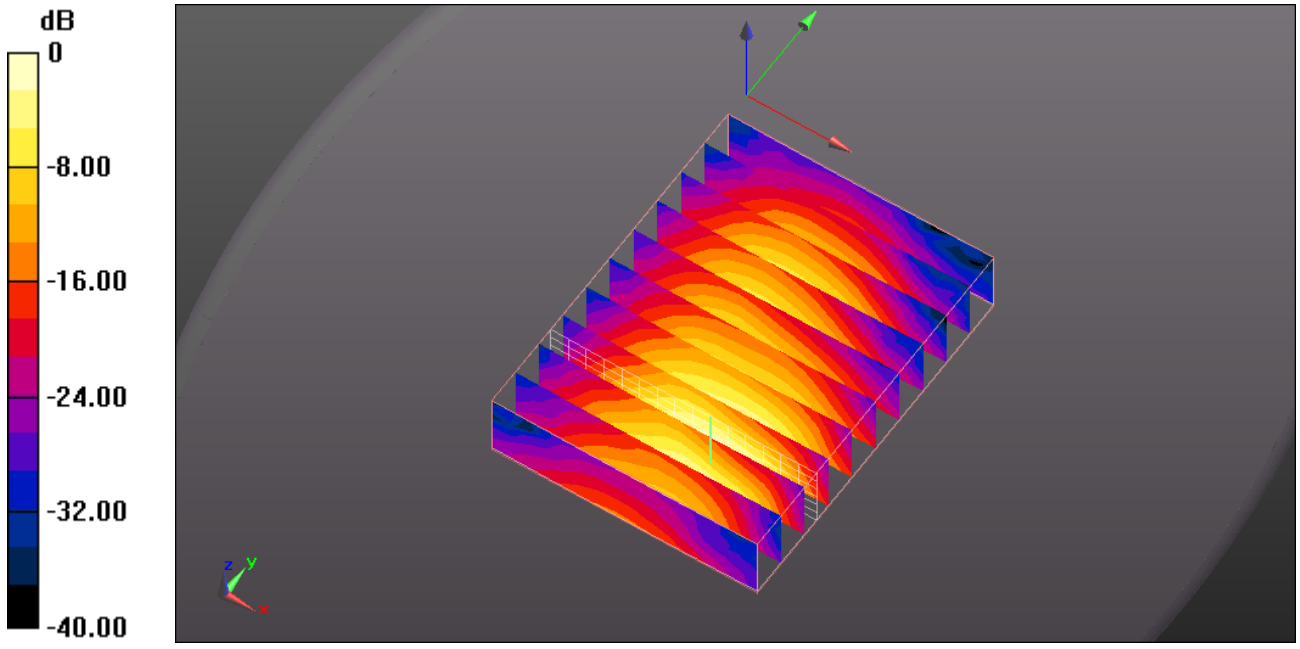
Communication System: CDMA2000; Frequency: 1851.25 MHz;Duty Cycle: 1:1
Medium parameters used (interpolated): f = 1851.25 MHz; σ = 1.451 mho/m; ε_r = 51.177; ρ = 1000 kg/m^3
Phantom section: Flat Section

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

Date: 11/18/2011

Test Laboratory: UL CCS SAR Lab B

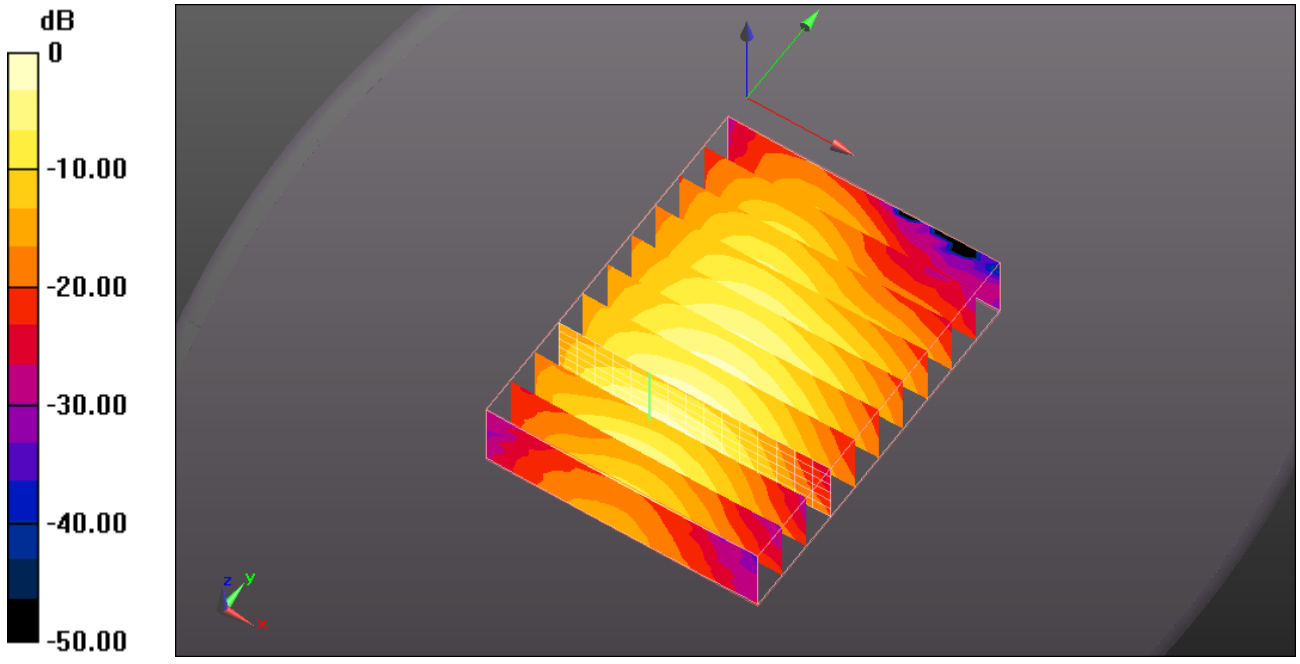
LTE_Band 13 (BW=10MHz) Volume scan

Communication System: LTE; Frequency: 782 MHz;Duty Cycle: 1:1
Medium parameters used (interpolated): f = 782 MHz; σ = 0.977 mho/m; ε_r = 54.578; ρ = 1000 kg/m^3
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(8.74, 8.74, 8.74); 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_QPSK_RB 1/49/Volume Scan (16x21x7): Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 27.209 V/m; Power Drift = 0.19 dB
Peak SAR (extrapolated) = 0.948 W/kg
SAR(1 g) = 0.545 mW/g; SAR(10 g) = 0.352 mW/g
Total Absorbed Power = 0.0443326 W
Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 0.662 mW/g



0 dB = 0.660mW/g

Date: 11/14/2011

Test Laboratory: UL CCS SAR Lab B

WiFi 802.11b 1Mbps Volume Scan

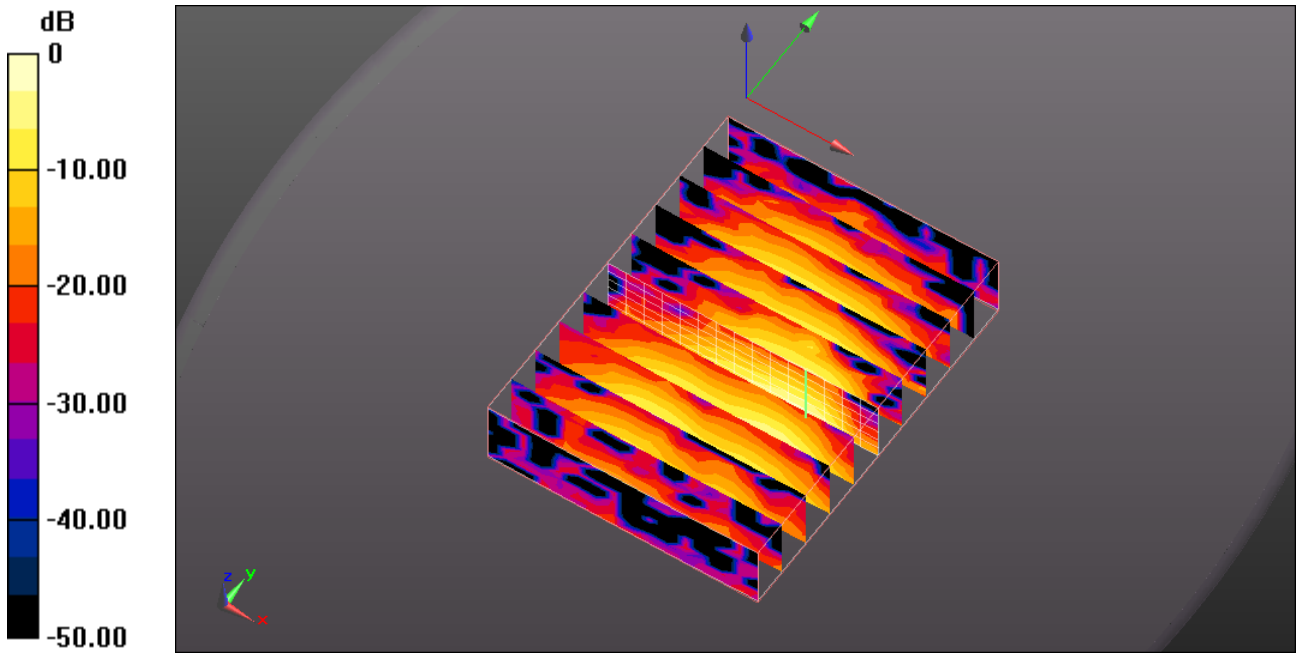
Communication System: IEEE 802.11b/g/n 2.4 GHz Band; Frequency: 2437 MHz; Duty Cycle: 1:1
Medium parameters used (interpolated): f = 2437 MHz; σ = 1.936 mho/m; ε_r = 51.617; ρ = 1000 kg/m^3
Phantom section: Flat Section

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