

Test Laboratory: UL CCS SAR Lab C

7_CDMA2000 1900

Communication System: CDMA2000; Frequency: 1880 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 1880$ MHz; $\sigma = 1.542$ mho/m; $\epsilon_r = 52.127$; $\rho = 1000$ kg/m³
Phantom section: Flat Section

Room Ambient Temperature: 25.0 deg. C; Liquid Temperature: 24.0 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 Sn1257; Calibrated: 5/3/2011
- Phantom: ELI v5.0 (A); Type: QDOVA001BB; Serial: 1117
- Measurement SW: DASY52, Version 52.6 (2); SEMCAD X Version 14.4.5 (3634)

Secondary landscape, TPK, ATT=6dB, 1xEVDO/M ch/Area Scan (51x181x1):

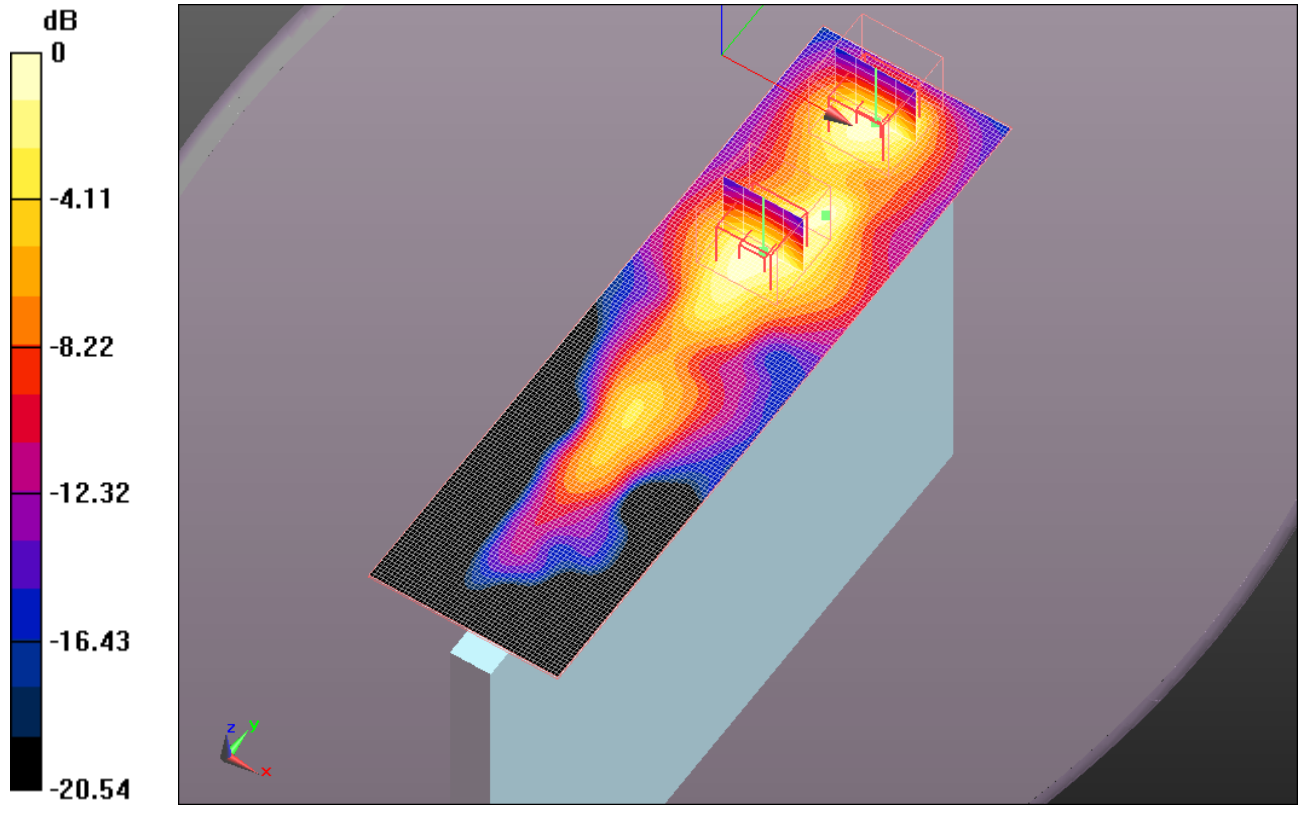
Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.167 mW/g

Secondary landscape, TPK, ATT=6dB, 1xEVDO/M ch/Zoom Scan (5x5x7)/Cube 0:

Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 9.702 V/m; Power Drift = 0.14 dB
Peak SAR (extrapolated) = 0.263 W/kg
SAR(1 g) = 0.134 mW/g; SAR(10 g) = 0.065 mW/g
Maximum value of SAR (measured) = 0.187 mW/g

Secondary landscape, TPK, ATT=6dB, 1xEVDO/M ch/Zoom Scan (5x5x7)/Cube 1:

Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 9.702 V/m; Power Drift = 0.14 dB
Peak SAR (extrapolated) = 0.219 W/kg
SAR(1 g) = 0.128 mW/g; SAR(10 g) = 0.072 mW/g
Maximum value of SAR (measured) = 0.168 mW/g



0 dB = 0.170mW/g

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 Phantom section: Flat Section

Room Ambient Temperature: 25.0 deg. C; Liquid Temperature: 24.0 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 Sn1257; Calibrated: 5/3/2011
- Phantom: ELI v5.0 (A); Type: QDOVA001BB; Serial: 1117
- Measurement SW: DASY52, Version 52.6 (2); SEMCAD X Version 14.4.5 (3634)

Primary Portrait, TPK, ATT=6dB, 1xEVDO/M ch/Area Scan (61x91x1): Measurement grid:

$dx=15$ mm, $dy=15$ mm

Maximum value of SAR (interpolated) = 0.084 mW/g

Primary Portrait, TPK, ATT=6dB, 1xEVDO/M ch/Zoom Scan (5x5x7)/Cube 0:

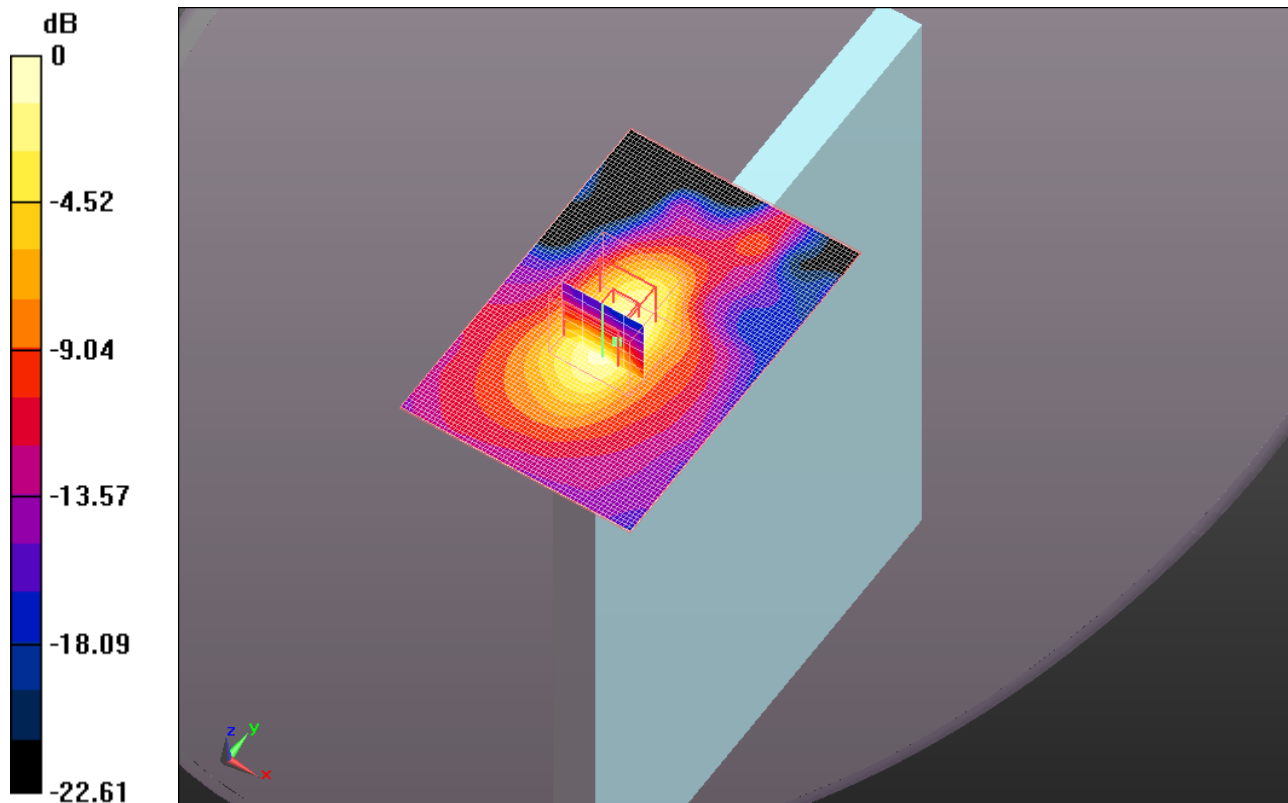
Measurement grid: $dx=8$ mm, $dy=8$ mm, $dz=5$ mm

Reference Value = 7.232 V/m; Power Drift = 0.05 dB

Peak SAR (extrapolated) = 0.137 W/kg

SAR(1 g) = 0.064 mW/g; SAR(10 g) = 0.030 mW/g

Maximum value of SAR (measured) = 0.087 mW/g



0 dB = 0.090mW/g

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 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 Sn1257; Calibrated: 5/3/2011
- Phantom: ELI v5.0 (A); Type: QDOVA001BB; Serial: 1117
- Measurement SW: DASY52, Version 52.6 (2); SEMCAD X Version 14.4.5 (3634)

Base, TPK, ATT=6dB, 1xEVDO/M ch/Area Scan (61x81x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 1.068 mW/g

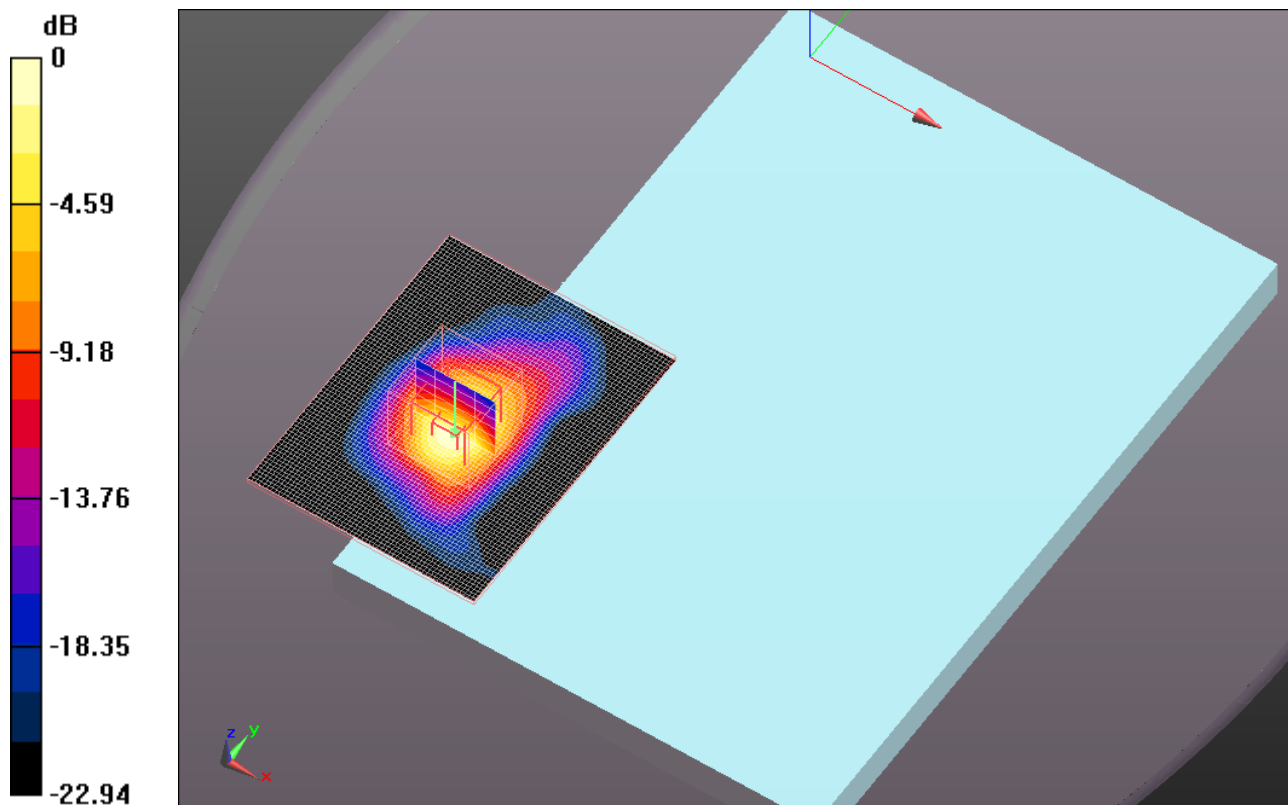
Base, TPK, ATT=6dB, 1xEVDO/M ch/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 24.794 V/m; Power Drift = -0.11 dB

Peak SAR (extrapolated) = 1.686 W/kg

SAR(1 g) = 0.778 mW/g; SAR(10 g) = 0.356 mW/g

Maximum value of SAR (measured) = 1.167 mW/g



0 dB = 1.170mW/g

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Communication System: CDMA2000; Frequency: 1880 MHz; Duty Cycle: 1:1
 Medium parameters used: $f = 1880$ MHz; $\sigma = 1.542$ mho/m; $\epsilon_r = 52.127$; $\rho = 1000$ kg/m³
 Phantom section: Flat Section

Room Ambient Temperature: 25.0 deg. C; Liquid Temperature: 24.0 deg. C

DASY5 Configuration:

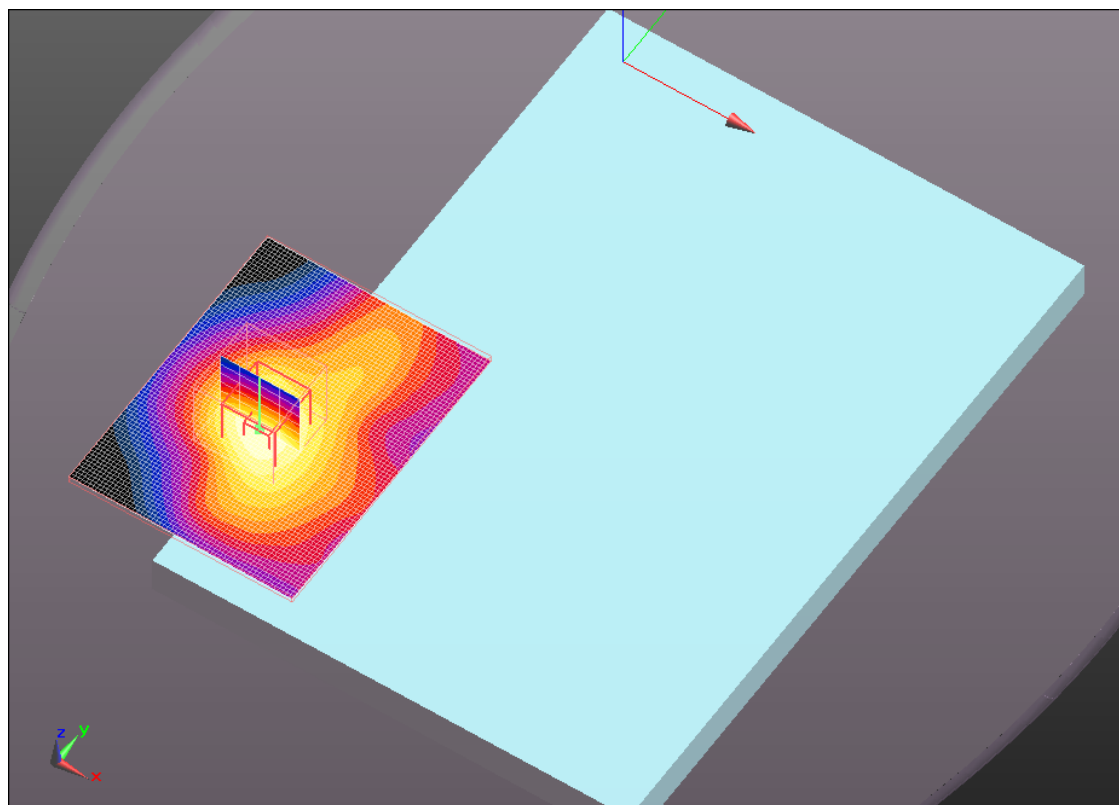
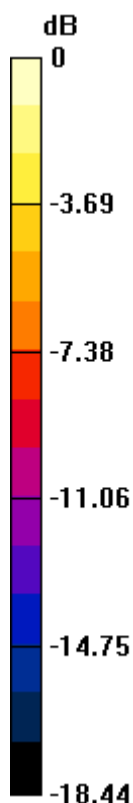
- Area Scan setting - Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.0012W/kg
- Probe: EX3DV4 - SN3772; ConvF(6.76, 6.76, 6.76); Calibrated: 5/3/2011
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1257; Calibrated: 5/3/2011
- Phantom: ELI v5.0 (A); Type: QDOVA001BB; Serial: 1117
- Measurement SW: DASY52, Version 52.6 (2); SEMCAD X Version 14.4.5 (3634)

Base, TPK, ATT=0dB, 1xEVDO, 1.1cm Separation/M ch/Area Scan (61x81x1):

Measurement grid: dx=15mm, dy=15mm
 Maximum value of SAR (interpolated) = 0.727 mW/g

Base, TPK, ATT=0dB, 1xEVDO, 1.1cm Separation/M ch/Zoom Scan (5x5x7)/Cube 0:

Measurement grid: dx=8mm, dy=8mm, dz=5mm
 Reference Value = 20.340 V/m; Power Drift = -0.17 dB
 Peak SAR (extrapolated) = 0.982 W/kg
SAR(1 g) = 0.555 mW/g; SAR(10 g) = 0.307 mW/g
 Maximum value of SAR (measured) = 0.730 mW/g



0 dB = 0.730mW/g

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7_CDMA2000 1900

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

Medium parameters used (interpolated): $f = 1851.25$ MHz; $\sigma = 1.516$ mho/m; $\epsilon_r = 52.228$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Room Ambient Temperature: 25.0 deg. C; Liquid Temperature: 24.0 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 (Locations From Previous Scan Used)), Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1257; Calibrated: 5/3/2011
- Phantom: ELI v5.0 (A); Type: QDOVA001BB; Serial: 1117
- Measurement SW: DASY52, Version 52.6 (2); SEMCAD X Version 14.4.5 (3634)

Base, N-Trig, ATT=6dB, 1xEVDO/L ch/Area Scan (61x81x1): Measurement grid: dx=15mm, dy=15mm

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

Maximum value of SAR (interpolated) = 1.674 mW/g

Base, N-Trig, ATT=6dB, 1xEVDO/L ch/Zoom Scan (5x5x7)/Cube 0: Measurement grid:

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

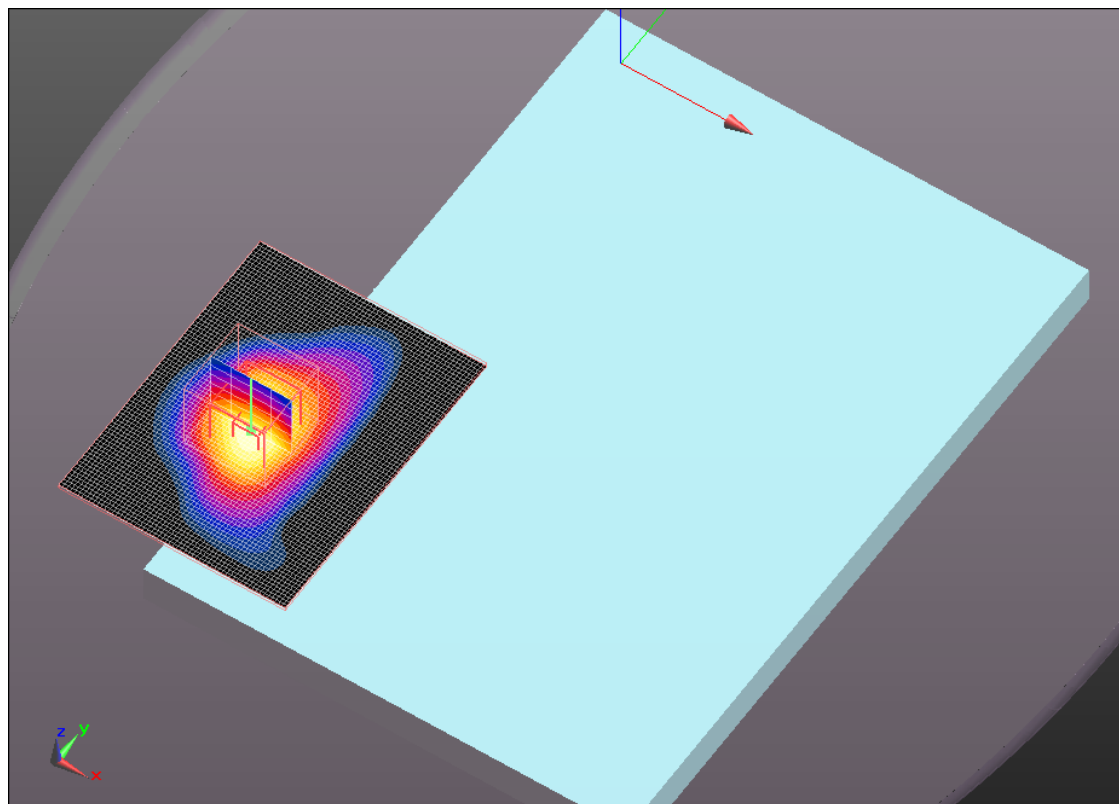
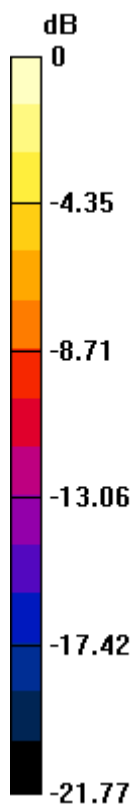
Reference Value = 27.886 V/m; Power Drift = 0.0076 dB

Peak SAR (extrapolated) = 2.376 W/kg

SAR(1 g) = 1.11 mW/g; SAR(10 g) = 0.512 mW/g

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

Maximum value of SAR (measured) = 1.639 mW/g



0 dB = 1.640mW/g

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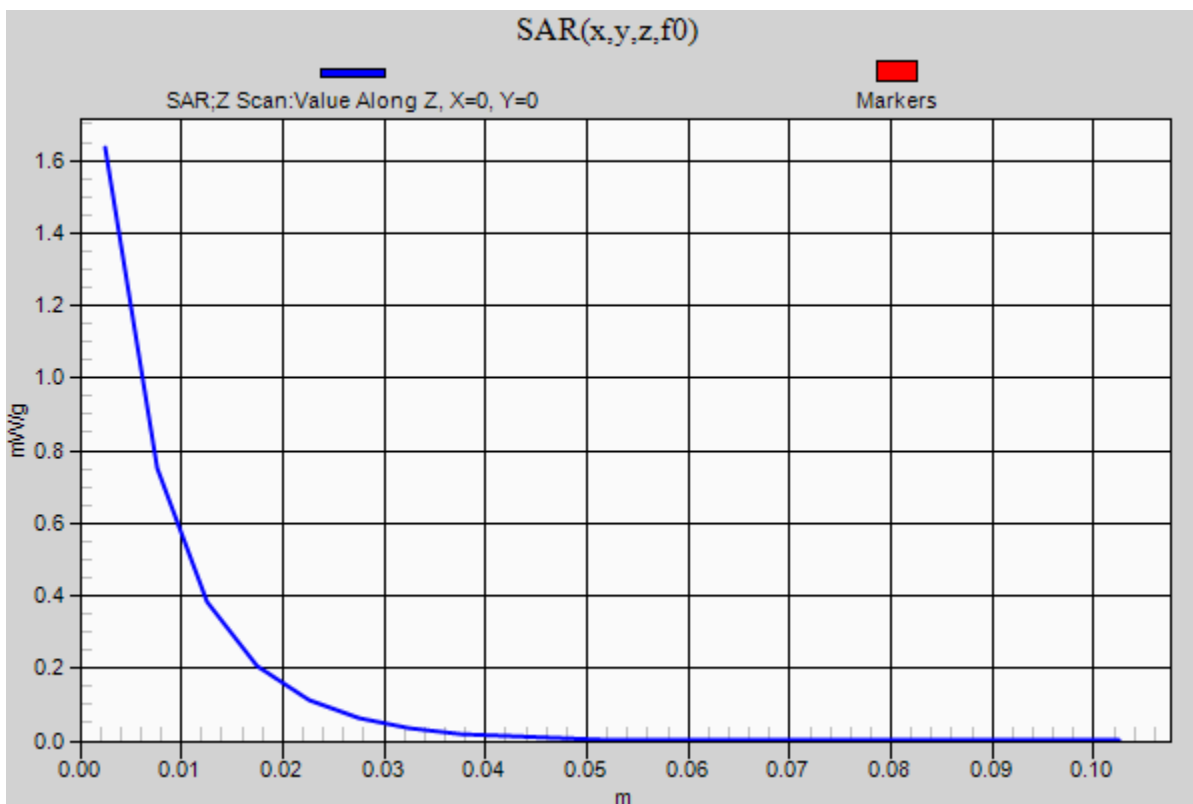
7_CDMA2000 1900

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

Base, N-Trig, ATT=6dB, 1xEVDO/L ch/Z Scan (1x1x21): Measurement grid: dx=20mm, dy=20mm, dz=5mm

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

Maximum value of SAR (measured) = 1.635 mW/g



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7_CDMA2000 1900

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 Medium parameters used: $f = 1880$ MHz; $\sigma = 1.542$ mho/m; $\epsilon_r = 52.127$; $\rho = 1000$ kg/m³
 Phantom section: Flat Section

Room Ambient Temperature: 25.0 deg. C; Liquid Temperature: 24.0 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 Sn1257; Calibrated: 5/3/2011
- Phantom: ELI v5.0 (A); Type: QDOVA001BB; Serial: 1117
- Measurement SW: DASY52, Version 52.6 (2); SEMCAD X Version 14.4.5 (3634)

Base, N-Trig, ATT=6dB, 1xEVDO/M ch/Area Scan (61x81x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 1.606 mW/g

Base, N-Trig, ATT=6dB, 1xEVDO/M ch/Zoom Scan (5x5x7)/Cube 0: Measurement grid:

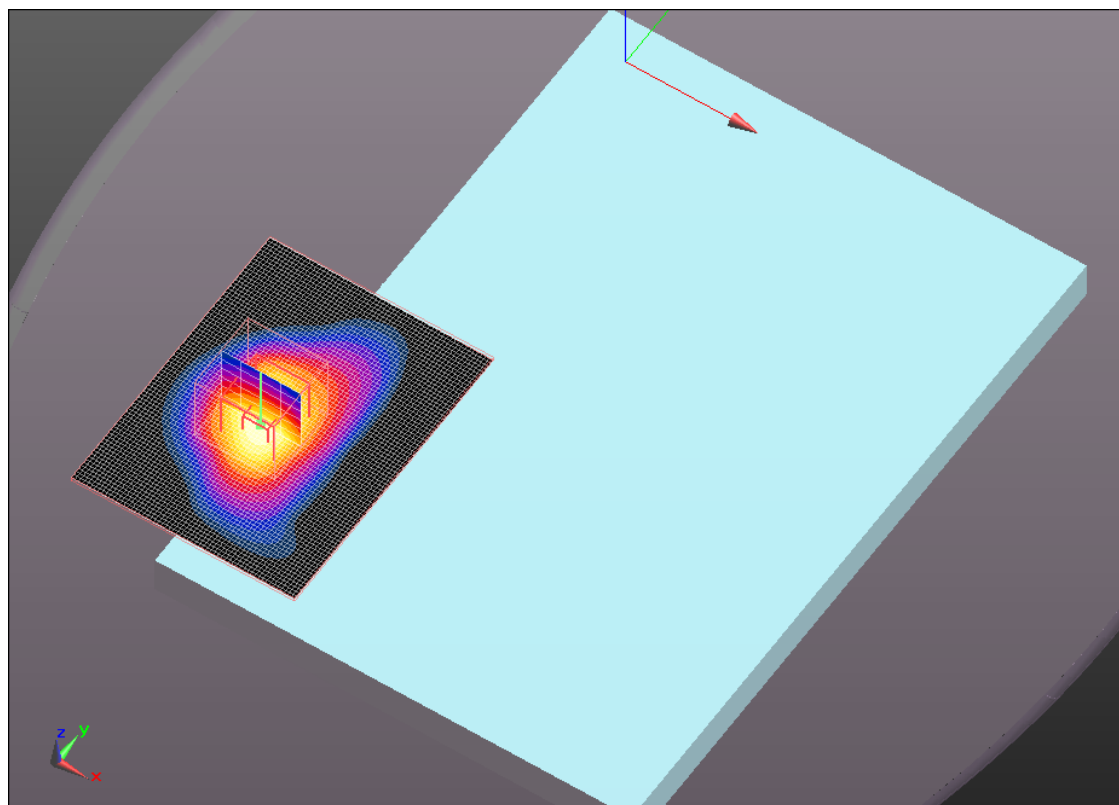
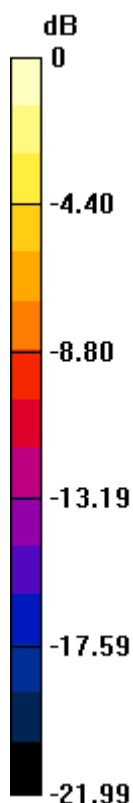
dx=8mm, dy=8mm, dz=5mm

Reference Value = 26.879 V/m; Power Drift = -0.0053 dB

Peak SAR (extrapolated) = 2.237 W/kg

SAR(1 g) = 1.04 mW/g; SAR(10 g) = 0.480 mW/g

Maximum value of SAR (measured) = 1.534 mW/g



0 dB = 1.530mW/g

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7_CDMA2000 1900

Communication System: CDMA2000; Frequency: 1908.75 MHz; Duty Cycle: 1:1

Medium parameters used (interpolated): $f = 1908.75$ MHz; $\sigma = 1.57$ mho/m; $\epsilon_r = 52.052$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Room Ambient Temperature: 25.0 deg. C; Liquid Temperature: 24.0 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 (Locations From Previous Scan Used)), Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1257; Calibrated: 5/3/2011
- Phantom: ELI v5.0 (A); Type: QDOVA001BB; Serial: 1117
- Measurement SW: DASY52, Version 52.6 (2); SEMCAD X Version 14.4.5 (3634)

Base, N-Trig, ATT=6dB, 1xEVDO/H ch/Area Scan (61x81x1): Measurement grid: dx=15mm, dy=15mm

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

Maximum value of SAR (interpolated) = 1.361 mW/g

Base, N-Trig, ATT=6dB, 1xEVDO/H ch/Zoom Scan (5x5x7)/Cube 0: Measurement grid:

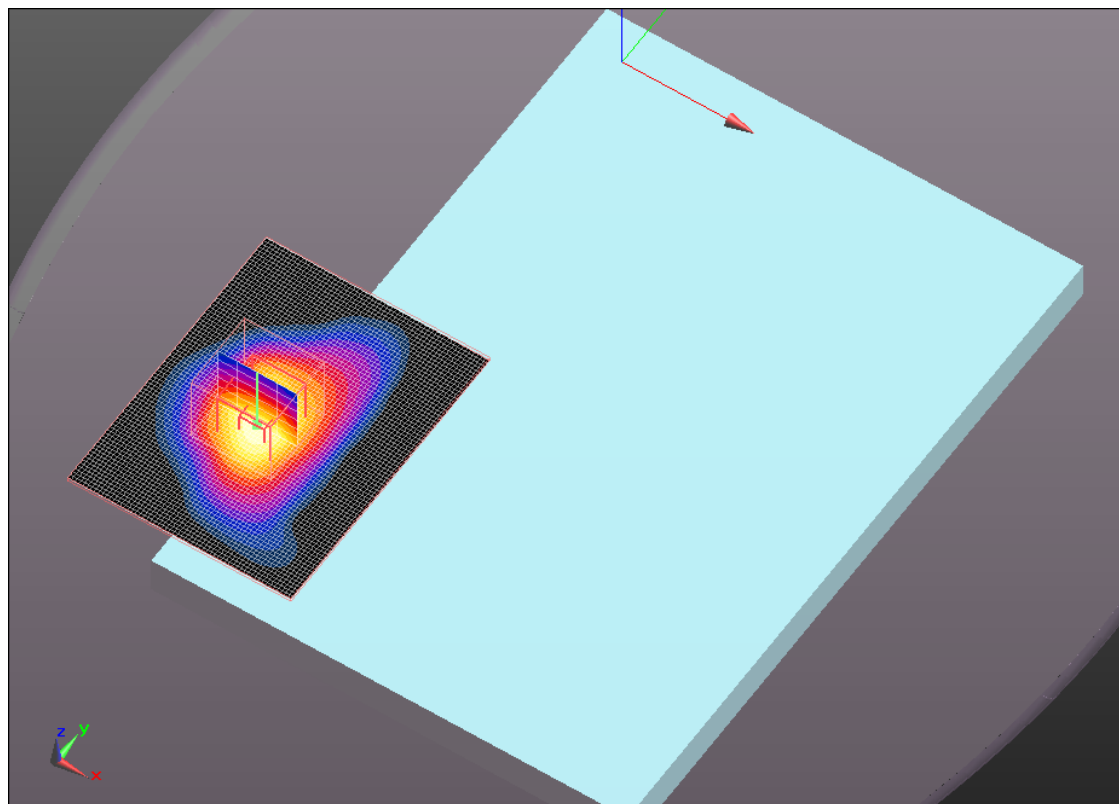
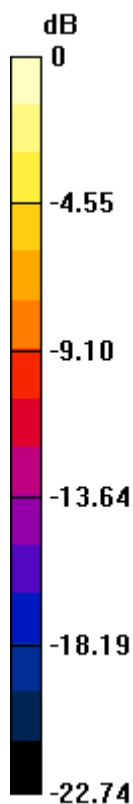
dx=8mm, dy=8mm, dz=5mm

Reference Value = 24.910 V/m; Power Drift = 0.10 dB

Peak SAR (extrapolated) = 2.005 W/kg

SAR(1 g) = 0.924 mW/g; SAR(10 g) = 0.423 mW/gInfo: [Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (measured) = 1.372 mW/g



0 dB = 1.370mW/g