

Test Laboratory: UL CCS SAR Lab C

### CDMA2000\_Cell Band

Communication System: CDMA2000; Frequency: 824.7 MHz; Duty Cycle: 1:1

Phantom section: RF Section

DASY4 Configuration:

- Probe: ER3DV6 - SN2509; ConvF(1, 1, 1); Calibrated: 4/8/2011
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1257; Calibrated: 5/3/2011
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.6 (2); SEMCAD X Version 14.4.5 (3634)

### E-Field, 1x RTT (RC3, SO55)/L ch/Hearing Aid Compatibility Test (101x101x1): Measurement

grid: dx=5mm, dy=5mm

Maximum value of peak Total field = 50.740 V/m

Probe Modulation Factor = 0.950

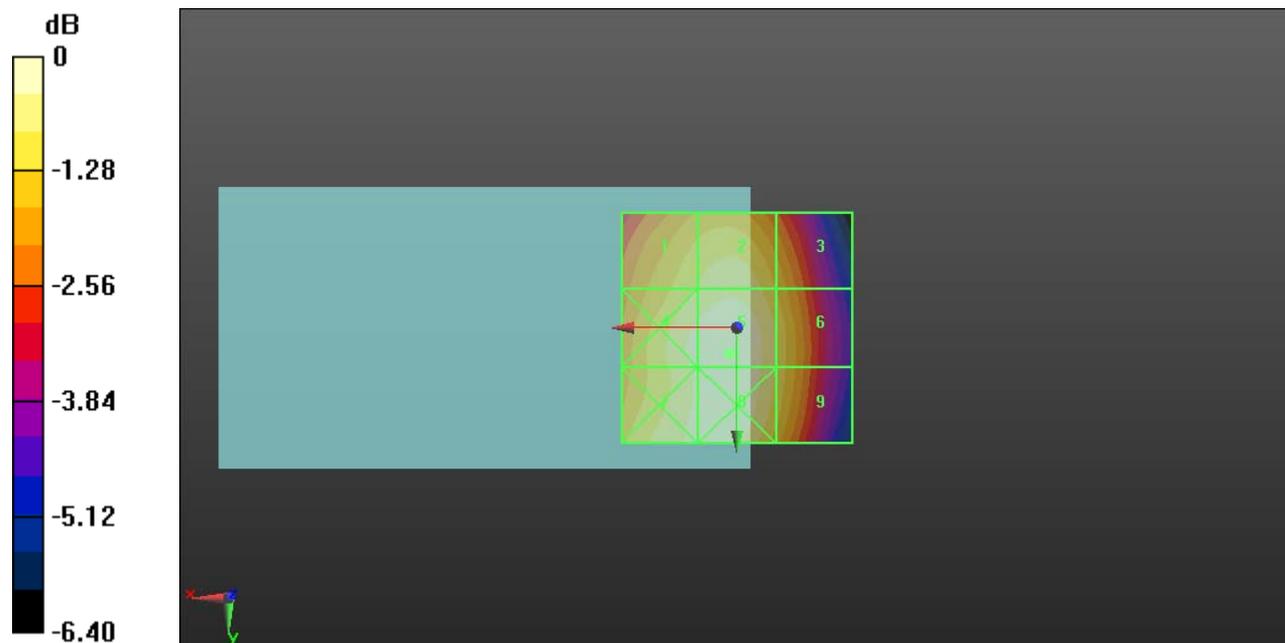
Device Reference Point: 0, 0, -6.3 mm

Reference Value = 70.642 V/m; Power Drift = 0.03 dB

**Hearing Aid Near-Field Category: M4 (AWF 0 dB)**

Peak E-field in V/m

Grid 1 <b>46.323 M4</b>	Grid 2 <b>47.834 M4</b>	Grid 3 <b>43.726 M4</b>
Grid 4 <b>49.336 M4</b>	Grid 5 <b>50.740 M4</b>	Grid 6 <b>46.045 M4</b>
Grid 7 <b>49.074 M4</b>	Grid 8 <b>50.528 M4</b>	Grid 9 <b>45.819 M4</b>



0 dB = 50.740V/m

Test Laboratory: UL CCS SAR Lab C

**CDMA2000\_Cell Band**

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

Phantom section: RF Section

DASY4 Configuration:

- Probe: ER3DV6 - SN2509; ConvF(1, 1, 1); Calibrated: 4/8/2011

- Sensor-Surface: (Fix Surface)

- Electronics: DAE4 Sn1257; Calibrated: 5/3/2011

- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB

- Measurement SW: DASY52, Version 52.6 (2); SEMCAD X Version 14.4.5 (3634)

**E-Field, 1x RTT (RC3, SO55)/M ch/Hearing Aid Compatibility Test (101x101x1):**

Measurement grid: dx=5mm, dy=5mm

Maximum value of peak Total field = 52.652 V/m

Probe Modulation Factor = 0.950

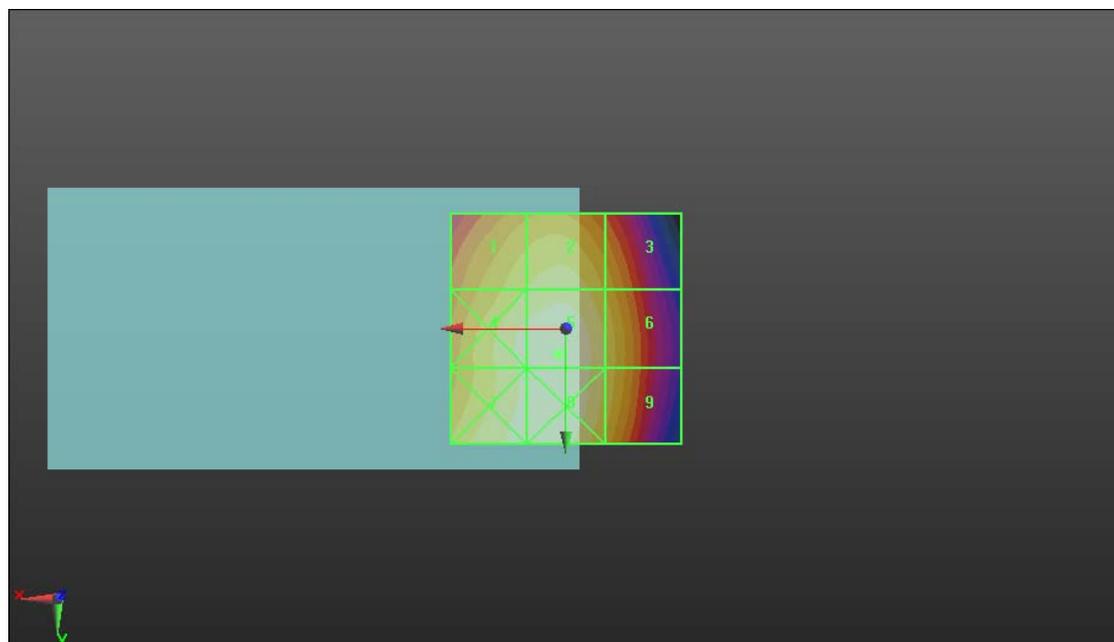
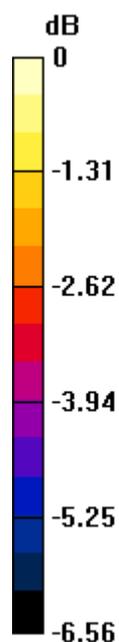
Device Reference Point: 0, 0, -6.3 mm

Reference Value = 72.770 V/m; Power Drift = 0.03 dB

**Hearing Aid Near-Field Category: M4 (AWF 0 dB)**

Peak E-field in V/m

Grid 1 <b>47.671 M4</b>	Grid 2 <b>49.248 M4</b>	Grid 3 <b>44.998 M4</b>
Grid 4 <b>51.281 M4</b>	Grid 5 <b>52.652 M4</b>	Grid 6 <b>47.610 M4</b>
Grid 7 <b>51.361 M4</b>	Grid 8 <b>52.449 M4</b>	Grid 9 <b>47.448 M4</b>



0 dB = 52.650V/m

Test Laboratory: UL CCS SAR Lab C

### CDMA2000\_Cell Band

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

Phantom section: RF Section

DASY4 Configuration:

- Probe: ER3DV6 - SN2509; ConvF(1, 1, 1); Calibrated: 4/8/2011
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1257; Calibrated: 5/3/2011
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.6 (2); SEMCAD X Version 14.4.5 (3634)

### E-Field, 1x RTT (RC3, SO55)/H ch/Hearing Aid Compatibility Test (101x101x1): Measurement grid: dx=5mm, dy=5mm

Maximum value of peak Total field = 54.262 V/m

Probe Modulation Factor = 0.950

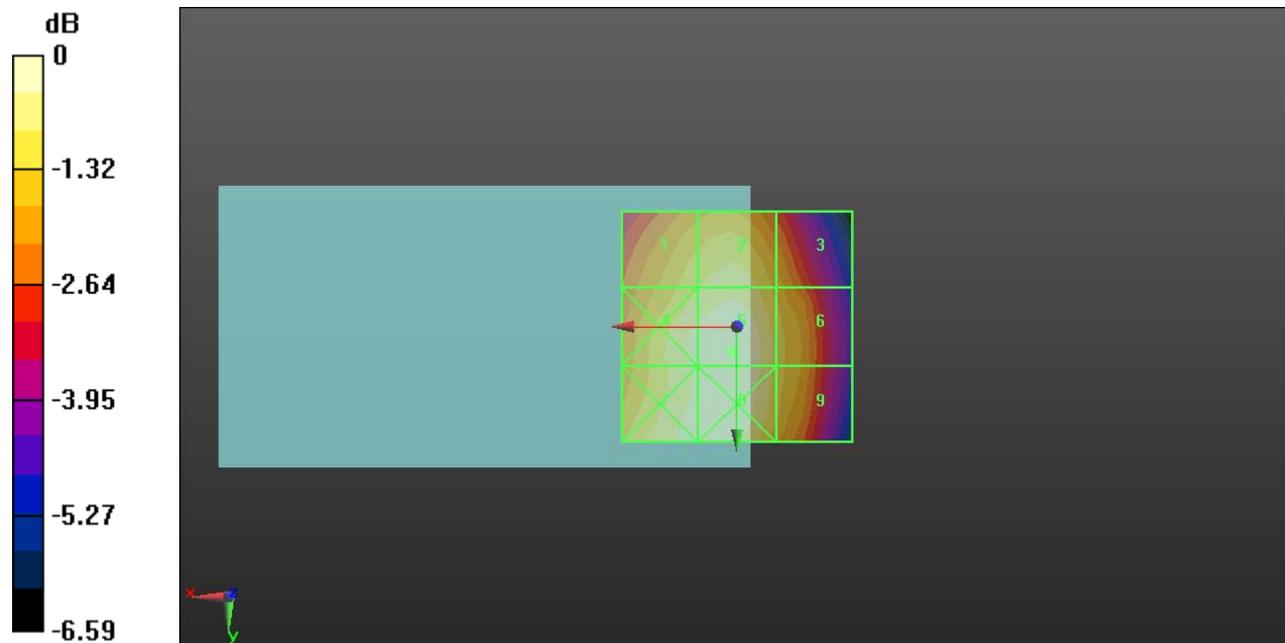
Device Reference Point: 0, 0, -6.3 mm

Reference Value = 75.390 V/m; Power Drift = 0.10 dB

Hearing Aid Near-Field Category: **M4 (AWF 0 dB)**

Peak E-field in V/m

Grid 1 <b>48.897 M4</b>	Grid 2 <b>50.715 M4</b>	Grid 3 <b>45.748 M4</b>
Grid 4 <b>52.543 M4</b>	Grid 5 <b>54.262 M4</b>	Grid 6 <b>48.344 M4</b>
Grid 7 <b>52.816 M4</b>	Grid 8 <b>54.005 M4</b>	Grid 9 <b>48.204 M4</b>



0 dB = 54.260V/m

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### CDMA2000\_AWS Band

Communication System: CDMA2000; Frequency: 1711.25 MHz; Duty Cycle: 1:1

Phantom section: RF Section

DASY4 Configuration:

- Probe: ER3DV6 - SN2509; ConvF(1, 1, 1); Calibrated: 4/8/2011
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1257; Calibrated: 5/3/2011
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.6 (2); SEMCAD X Version 14.4.5 (3634)

### E-Field, 1x RTT (RC3, SO55)/L ch/Hearing Aid Compatibility Test (101x101x1): Measurement

grid: dx=5mm, dy=5mm

Maximum value of peak Total field = 26.326 V/m

Probe Modulation Factor = 0.960

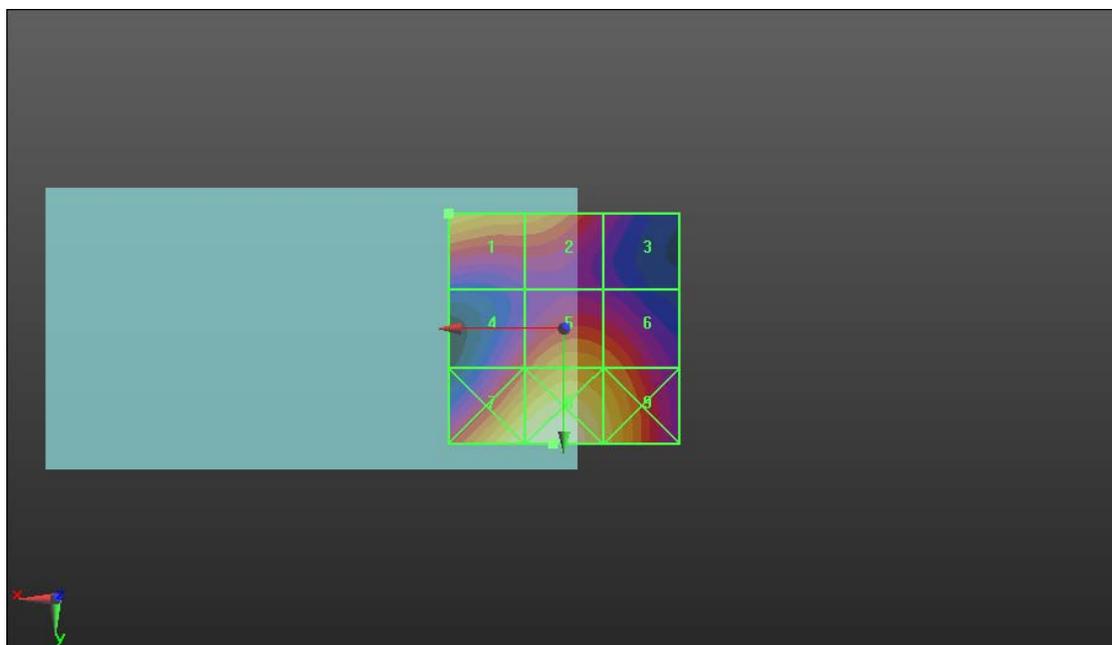
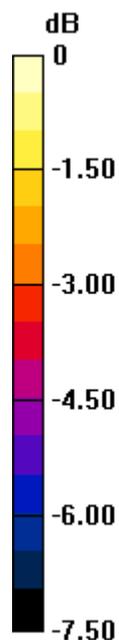
Device Reference Point: 0, 0, -6.3 mm

Reference Value = 28.508 V/m; Power Drift = 0.03 dB

Hearing Aid Near-Field Category: **M4 (AWF 0 dB)**

Peak E-field in V/m

Grid 1 <b>26.326 M4</b>	Grid 2 <b>24.228 M4</b>	Grid 3 <b>18.959 M4</b>
Grid 4 <b>21.407 M4</b>	Grid 5 <b>24.776 M4</b>	Grid 6 <b>23.614 M4</b>
Grid 7 <b>29.569 M4</b>	Grid 8 <b>30.887 M4</b>	Grid 9 <b>27.167 M4</b>



0 dB = 30.890V/m

Test Laboratory: UL CCS SAR Lab C

### CDMA2000\_AWS Band

Communication System: CDMA2000; Frequency: 1732.5 MHz; Duty Cycle: 1:1

Phantom section: RF Section

DASY4 Configuration:

- Probe: ER3DV6 - SN2509; ConvF(1, 1, 1); Calibrated: 4/8/2011
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1257; Calibrated: 5/3/2011
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.6 (2); SEMCAD X Version 14.4.5 (3634)

### E-Field, 1x RTT (RC3, SO55)/M ch/Hearing Aid Compatibility Test (101x101x1):

Measurement grid: dx=5mm, dy=5mm

Maximum value of peak Total field = 25.639 V/m

Probe Modulation Factor = 0.960

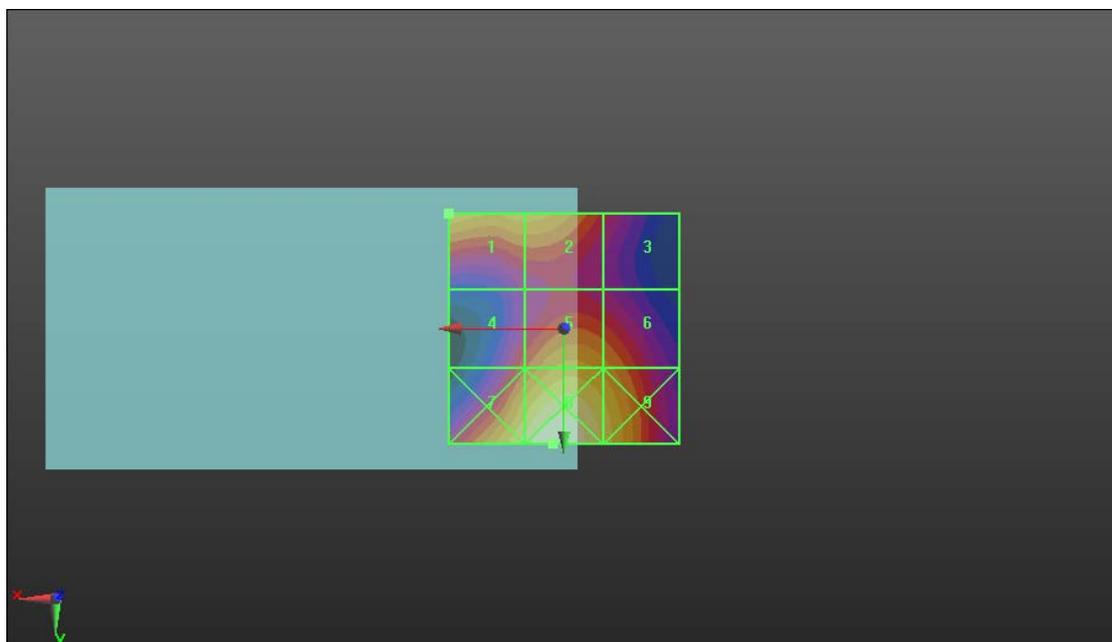
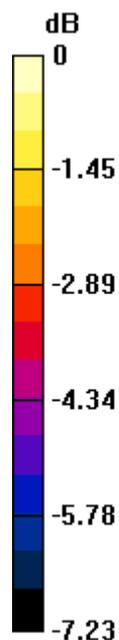
Device Reference Point: 0, 0, -6.3 mm

Reference Value = 28.479 V/m; Power Drift = 0.18 dB

Hearing Aid Near-Field Category: **M4 (AWF 0 dB)**

Peak E-field in V/m

Grid 1 <b>25.639 M4</b>	Grid 2 <b>24.920 M4</b>	Grid 3 <b>20.099 M4</b>
Grid 4 <b>21.401 M4</b>	Grid 5 <b>24.734 M4</b>	Grid 6 <b>23.528 M4</b>
Grid 7 <b>27.766 M4</b>	Grid 8 <b>30.036 M4</b>	Grid 9 <b>26.467 M4</b>



0 dB = 30.040V/m

Test Laboratory: UL CCS SAR Lab C

### CDMA2000\_AWS Band

Communication System: CDMA2000; Frequency: 1753.75 MHz; Duty Cycle: 1:1

Phantom section: RF Section

DASY4 Configuration:

- Probe: ER3DV6 - SN2509; ConvF(1, 1, 1); Calibrated: 4/8/2011

- Sensor-Surface: (Fix Surface)

- Electronics: DAE4 Sn1257; Calibrated: 5/3/2011

- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB

- Measurement SW: DASY52, Version 52.6 (2); SEMCAD X Version 14.4.5 (3634)

### E-Field, 1x RTT (RC3, SO55)/H ch/Hearing Aid Compatibility Test (101x101x1): Measurement grid: dx=5mm, dy=5mm

Maximum value of peak Total field = 27.675 V/m

Probe Modulation Factor = 0.960

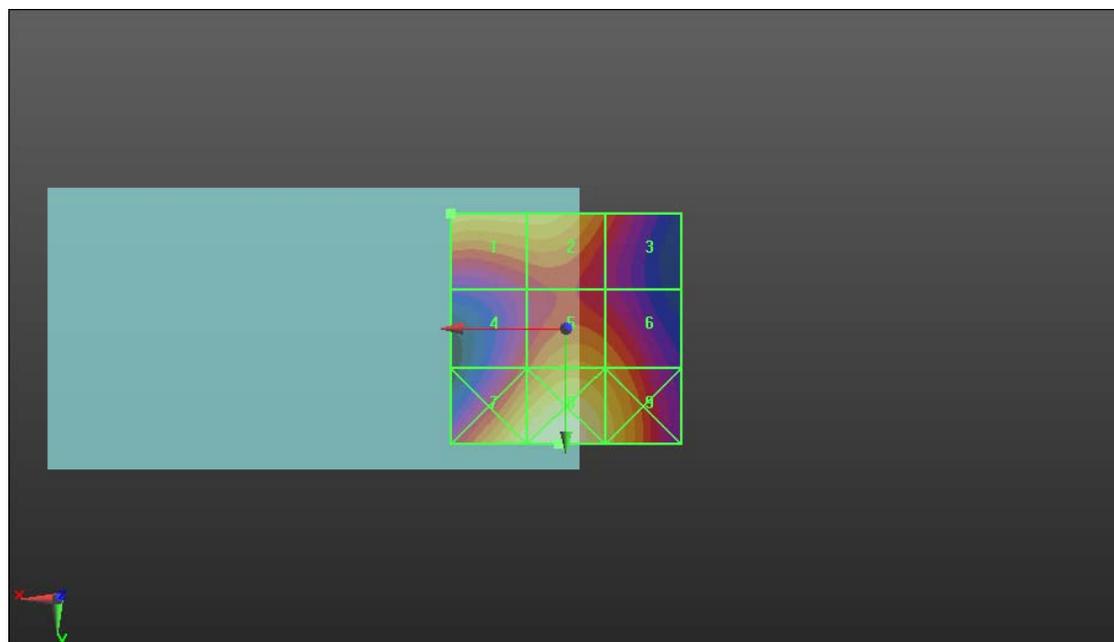
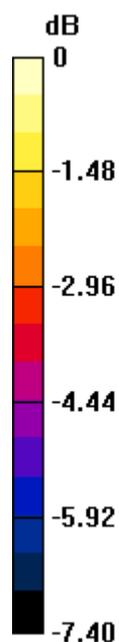
Device Reference Point: 0, 0, -6.3 mm

Reference Value = 30.382 V/m; Power Drift = 0.01 dB

Hearing Aid Near-Field Category: **M4 (AWF 0 dB)**

Peak E-field in V/m

Grid 1 <b>27.675 M4</b>	Grid 2 <b>27.428 M4</b>	Grid 3 <b>22.335 M4</b>
Grid 4 <b>21.878 M4</b>	Grid 5 <b>25.471 M4</b>	Grid 6 <b>24.165 M4</b>
Grid 7 <b>29.621 M4</b>	Grid 8 <b>31.172 M4</b>	Grid 9 <b>27.508 M4</b>



0 dB = 31.170V/m

Test Laboratory: UL CCS SAR Lab C

### CDMA2000\_PCS Band

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

Phantom section: RF Section

DASY4 Configuration:

- Probe: ER3DV6 - SN2509; ConvF(1, 1, 1); Calibrated: 4/8/2011
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1257; Calibrated: 5/3/2011
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.6 (2); SEMCAD X Version 14.4.5 (3634)

### E-Field, 1x RTT (RC3, SO55)/L ch/Hearing Aid Compatibility Test (101x101x1): Measurement

grid: dx=5mm, dy=5mm

Maximum value of peak Total field = 28.198 V/m

Probe Modulation Factor = 0.950

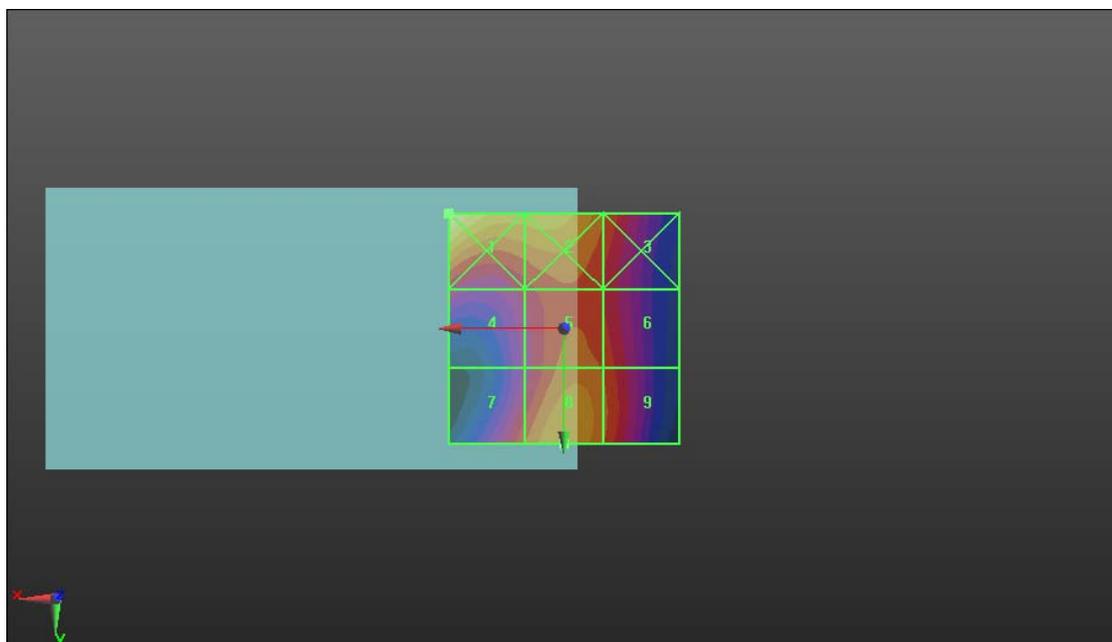
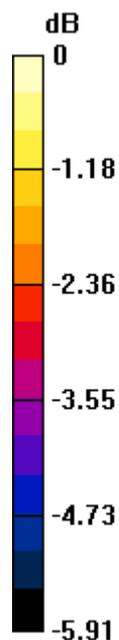
Device Reference Point: 0, 0, -6.3 mm

Reference Value = 34.355 V/m; Power Drift = -0.06 dB

Hearing Aid Near-Field Category: **M4 (AWF 0 dB)**

Peak E-field in V/m

Grid 1 <b>33.997 M4</b>	Grid 2 <b>29.339 M4</b>	Grid 3 <b>26.205 M4</b>
Grid 4 <b>24.248 M4</b>	Grid 5 <b>26.672 M4</b>	Grid 6 <b>25.720 M4</b>
Grid 7 <b>25.971 M4</b>	Grid 8 <b>28.198 M4</b>	Grid 9 <b>26.340 M4</b>



0 dB = 34.000V/m

Test Laboratory: UL CCS SAR Lab C

**CDMA2000\_PCS Band**

Communication System: CDMA2000; Frequency: 1880 MHz; Duty Cycle: 1:1

Phantom section: RF Section

DASY4 Configuration:

- Probe: ER3DV6 - SN2509; ConvF(1, 1, 1); Calibrated: 4/8/2011

- Sensor-Surface: (Fix Surface)

- Electronics: DAE4 Sn1257; Calibrated: 5/3/2011

- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB

- Measurement SW: DASY52, Version 52.6 (2); SEMCAD X Version 14.4.5 (3634)

**E-Field, 1x RTT (RC3, SO55)/M ch/Hearing Aid Compatibility Test (101x101x1):**

Measurement grid: dx=5mm, dy=5mm

Maximum value of peak Total field = 30.153 V/m

Probe Modulation Factor = 0.950

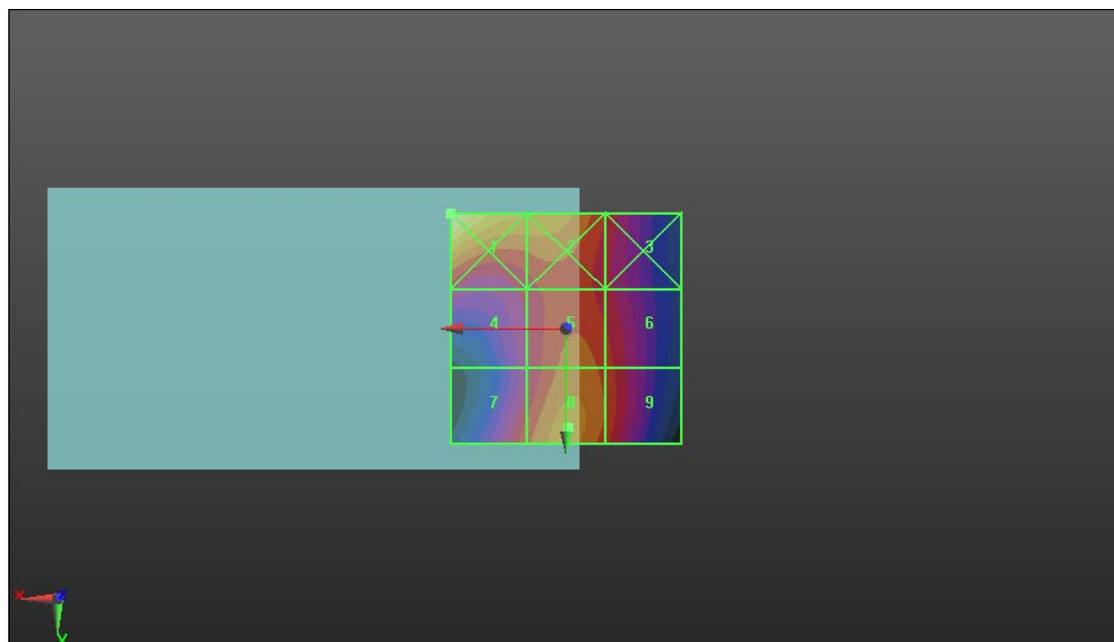
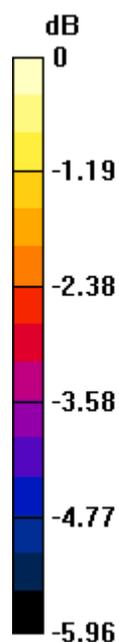
Device Reference Point: 0, 0, -6.3 mm

Reference Value = 37.459 V/m; Power Drift = -0.02 dB

**Hearing Aid Near-Field Category: M4 (AWF 0 dB)**

Peak E-field in V/m

Grid 1 <b>37.244 M4</b>	Grid 2 <b>31.166 M4</b>	Grid 3 <b>27.038 M4</b>
Grid 4 <b>26.414 M4</b>	Grid 5 <b>28.964 M4</b>	Grid 6 <b>27.814 M4</b>
Grid 7 <b>27.999 M4</b>	Grid 8 <b>30.153 M4</b>	Grid 9 <b>28.206 M4</b>



0 dB = 37.240V/m

Test Laboratory: UL CCS SAR Lab C

**CDMA2000\_PCS Band**

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

Phantom section: RF Section

DASY4 Configuration:

- Probe: ER3DV6 - SN2509; ConvF(1, 1, 1); Calibrated: 4/8/2011

- Sensor-Surface: (Fix Surface)

- Electronics: DAE4 Sn1257; Calibrated: 5/3/2011

- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB

- Measurement SW: DASY52, Version 52.6 (2); SEMCAD X Version 14.4.5 (3634)

**E-Field, 1x RTT (RC3, SO55)/H ch/Hearing Aid Compatibility Test (101x101x1):** Measurement grid: dx=5mm, dy=5mm

Maximum value of peak Total field = 33.834 V/m

Probe Modulation Factor = 0.950

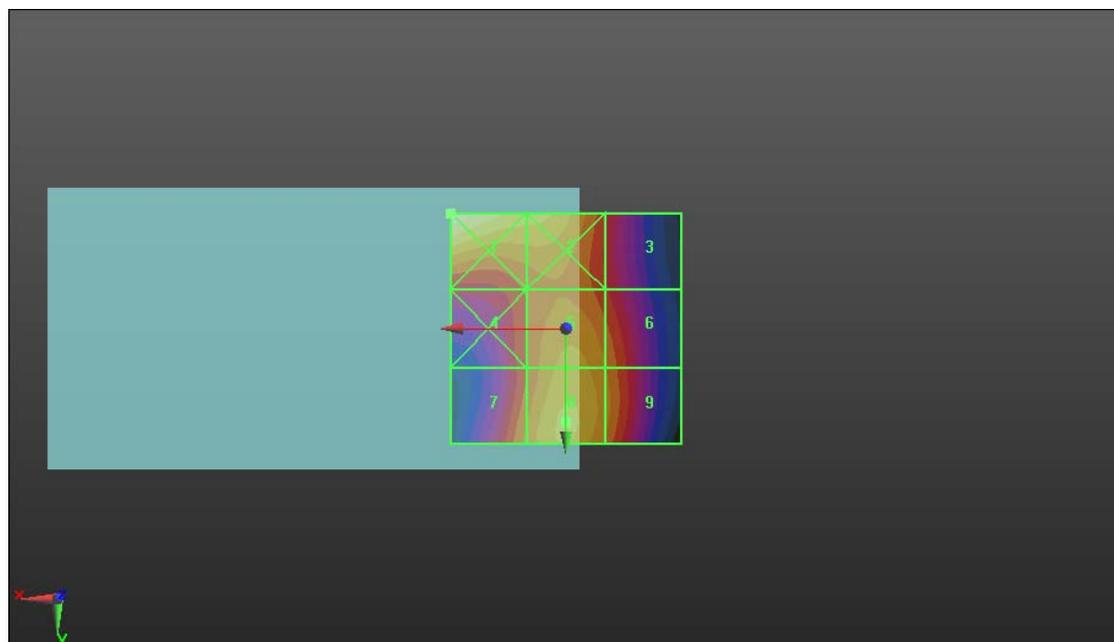
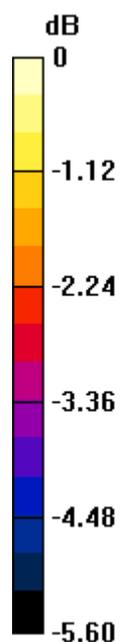
Device Reference Point: 0, 0, -6.3 mm

Reference Value = 42.910 V/m; Power Drift = -0.21 dB

**Hearing Aid Near-Field Category: M4 (AWF 0 dB)**

Peak E-field in V/m

Grid 1 <b>38.089 M4</b>	Grid 2 <b>34.308 M4</b>	Grid 3 <b>28.476 M4</b>
Grid 4 <b>29.670 M4</b>	Grid 5 <b>32.644 M4</b>	Grid 6 <b>30.817 M4</b>
Grid 7 <b>31.282 M4</b>	Grid 8 <b>33.834 M4</b>	Grid 9 <b>31.316 M4</b>



0 dB = 38.090V/m