

Test Laboratory: UL CCS

## HAC RF Emission

Communication System: GSM850; Frequency: 824.2 MHz; Duty Cycle: 1:8.00018

Phantom section: TCoil Section

DASY4 Configuration:

- Probe: ER3DV6 - SN2339; ConvF(1, 1, 1); Calibrated: 1/20/2011

- Sensor-Surface: (Fix Surface)

- Electronics: DAE4 Sn1239; Calibrated: 11/17/2010

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

- Measurement SW: DASY52, Version 52.6 (1); SEMCAD X Version 14.4.2 (2595)

### GSM850\_open/L ch\_E Scan - ER3D - 2007: 15 mm from Probe Center to the Device/Hearing Aid Compatibility Test (101x101x1): Measurement grid: dx=5mm, dy=5mm

Maximum value of peak Total field = 176.1 V/m

Probe Modulation Factor = 2.790

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 79.356 V/m; Power Drift = -0.04 dB

**Hearing Aid Near-Field Category: M3 (AWF -5 dB)**

Peak E-field in V/m

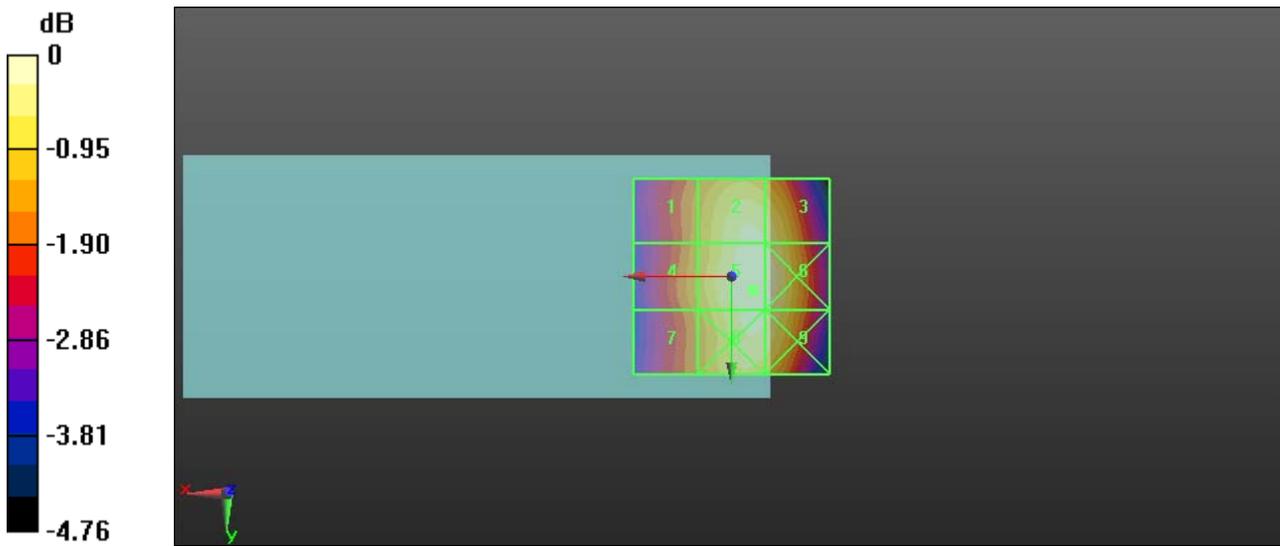
Grid 1 <b>151.2 M3</b>	Grid 2 <b>172.5 M3</b>	Grid 3 <b>171.0 M3</b>
Grid 4 <b>154.2 M3</b>	Grid 5 <b>176.1 M3</b>	Grid 6 <b>175.2 M3</b>
Grid 7 <b>150.5 M3</b>	Grid 8 <b>173.6 M3</b>	Grid 9 <b>172.0 M3</b>

**Cursor:**

Total = 176.1 V/m

E Category: M3

Location: -5.5, 3.5, 8.7 mm



0 dB = 176.1V/m

Test Laboratory: UL CCS

## HAC RF Emission

Communication System: GSM850; Frequency: 836.6 MHz; Duty Cycle: 1:8.00018

Phantom section: TCoil Section

DASY4 Configuration:

- Probe: ER3DV6 - SN2339; ConvF(1, 1, 1); Calibrated: 1/20/2011
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1239; Calibrated: 11/17/2010
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.6 (1); SEMCAD X Version 14.4.2 (2595)

### GSM850\_open/M ch\_E Scan - ER3D - 2007: 15 mm from Probe Center to the Device/Hearing Aid Compatibility Test (101x101x1): Measurement grid: dx=5mm, dy=5mm

Maximum value of peak Total field = 161.9 V/m

Probe Modulation Factor = 2.790

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 72.260 V/m; Power Drift = -0.04 dB

Hearing Aid Near-Field Category: **M3 (AWF -5 dB)**

Peak E-field in V/m

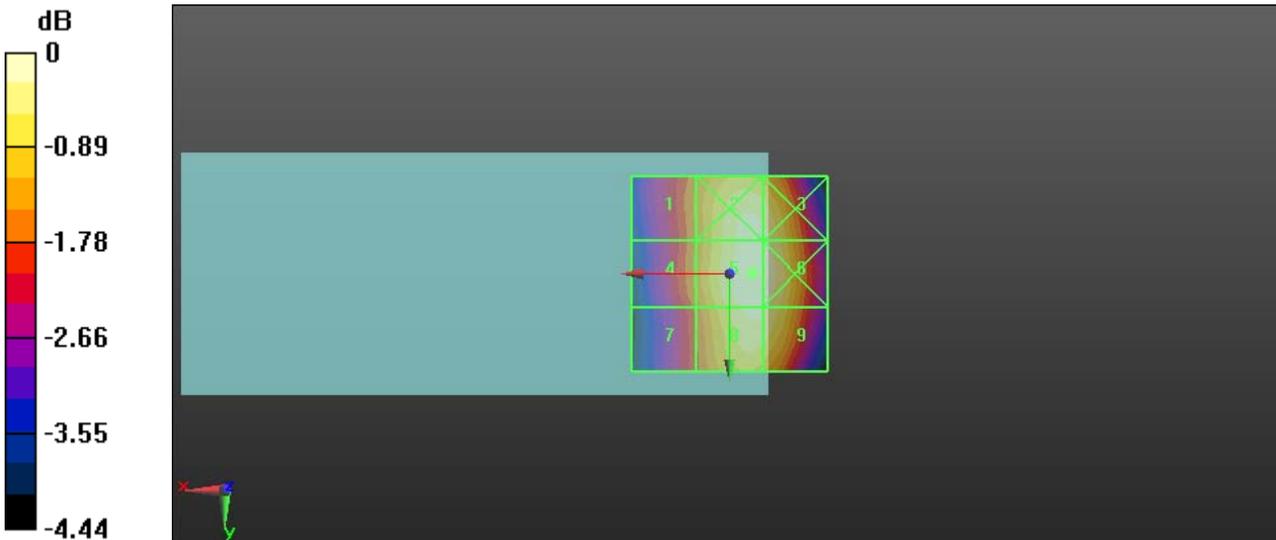
Grid 1 <b>138.0 M4</b>	Grid 2 <b>159.8 M3</b>	Grid 3 <b>158.9 M3</b>
Grid 4 <b>138.2 M4</b>	Grid 5 <b>161.9 M3</b>	Grid 6 <b>160.9 M3</b>
Grid 7 <b>134.2 M4</b>	Grid 8 <b>158.8 M3</b>	Grid 9 <b>157.8 M3</b>

**Cursor:**

Total = 161.9 V/m

E Category: M3

Location: -6, 0, 8.7 mm



0 dB = 161.9V/m

Test Laboratory: UL CCS

## HAC RF Emission

Communication System: GSM850; Frequency: 848.8 MHz; Duty Cycle: 1:8.00018

Phantom section: TCoil Section

DASY4 Configuration:

- Probe: ER3DV6 - SN2339; ConvF(1, 1, 1); Calibrated: 1/20/2011
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1239; Calibrated: 11/17/2010
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.6 (1); SEMCAD X Version 14.4.2 (2595)

### GSM850\_open/H ch\_E Scan - ER3D - 2007: 15 mm from Probe Center to the Device/Hearing Aid Compatibility Test (101x101x1): Measurement grid: dx=5mm, dy=5mm

Maximum value of peak Total field = 139.5 V/m

Probe Modulation Factor = 2.790

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 62.213 V/m; Power Drift = -0.03 dB

Hearing Aid Near-Field Category: **M4 (AWF -5 dB)**

Peak E-field in V/m

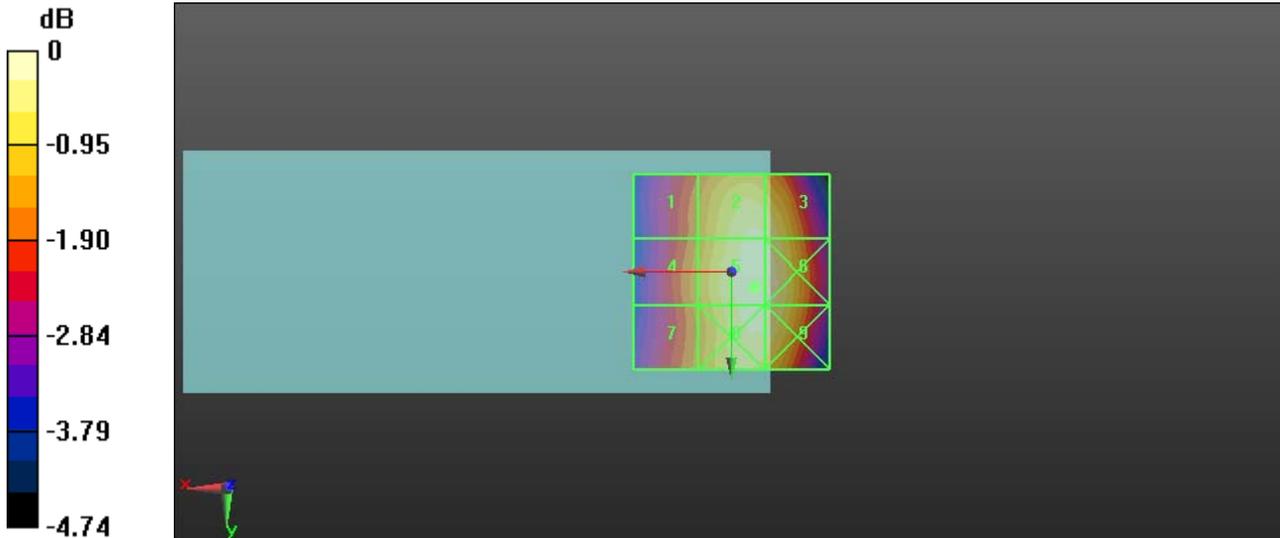
Grid 1 <b>117.2 M4</b>	Grid 2 <b>135.8 M4</b>	Grid 3 <b>135.0 M4</b>
Grid 4 <b>120.4 M4</b>	Grid 5 <b>139.5 M4</b>	Grid 6 <b>138.9 M4</b>
Grid 7 <b>118.9 M4</b>	Grid 8 <b>137.8 M4</b>	Grid 9 <b>136.9 M4</b>

**Cursor:**

Total = 139.5 V/m

E Category: M4

Location: -6, 4, 8.7 mm



0 dB = 139.5V/m

Test Laboratory: UL CCS

## HAC RF Emission

Communication System: GSM850; Frequency: 824.2 MHz; Duty Cycle: 1:8.00018

Phantom section: TCoil Section

DASY4 Configuration:

- Probe: ER3DV6 - SN2339; ConvF(1, 1, 1); Calibrated: 1/20/2011

- Sensor-Surface: (Fix Surface)

- Electronics: DAE4 Sn1239; Calibrated: 11/17/2010

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

- Measurement SW: DASY52, Version 52.6 (1); SEMCAD X Version 14.4.2 (2595)

### GSM850\_closed/L ch\_E Scan - ER3D - 2007: 15 mm from Probe Center to the Device/Hearing Aid Compatibility Test (101x101x1): Measurement grid: dx=5mm, dy=5mm

Maximum value of peak Total field = 165.4 V/m

Probe Modulation Factor = 2.790

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 73.371 V/m; Power Drift = 0.12 dB

**Hearing Aid Near-Field Category: M3 (AWF -5 dB)**

Peak E-field in V/m

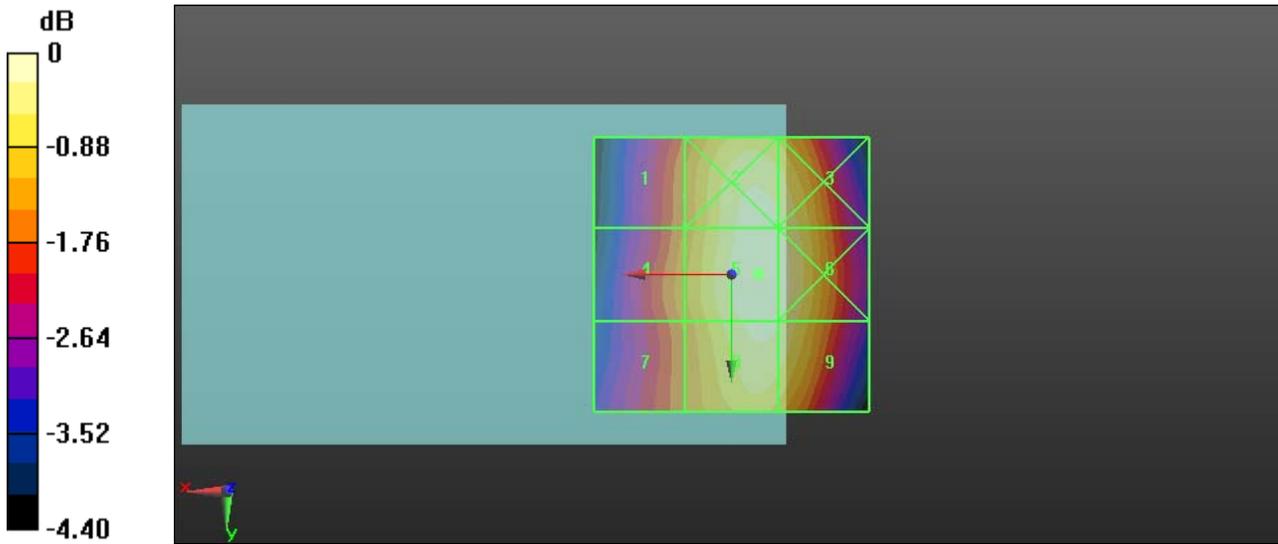
Grid 1 <b>140.8 M4</b>	Grid 2 <b>163.0 M3</b>	Grid 3 <b>161.2 M3</b>
Grid 4 <b>143.8 M4</b>	Grid 5 <b>165.4 M3</b>	Grid 6 <b>163.7 M3</b>
Grid 7 <b>141.4 M4</b>	Grid 8 <b>162.4 M3</b>	Grid 9 <b>160.6 M3</b>

**Cursor:**

Total = 165.4 V/m

E Category: M3

Location: -5, 0, 8.7 mm



0 dB = 165.4V/m

Test Laboratory: UL CCS

## HAC RF Emission

Communication System: GSM850; Frequency: 836.6 MHz; Duty Cycle: 1:8.00018

Phantom section: TCoil Section

DASY4 Configuration:

- Probe: ER3DV6 - SN2339; ConvF(1, 1, 1); Calibrated: 1/20/2011
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1239; Calibrated: 11/17/2010
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.6 (1); SEMCAD X Version 14.4.2 (2595)

### GSM850\_closed/M ch\_E Scan - ER3D - 2007: 15 mm from Probe Center to the Device/Hearing Aid Compatibility Test (101x101x1): Measurement grid: dx=5mm, dy=5mm

Maximum value of peak Total field = 151.7 V/m

Probe Modulation Factor = 2.790

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 68.349 V/m; Power Drift = -0.04 dB

Hearing Aid Near-Field Category: **M3 (AWF -5 dB)**

Peak E-field in V/m

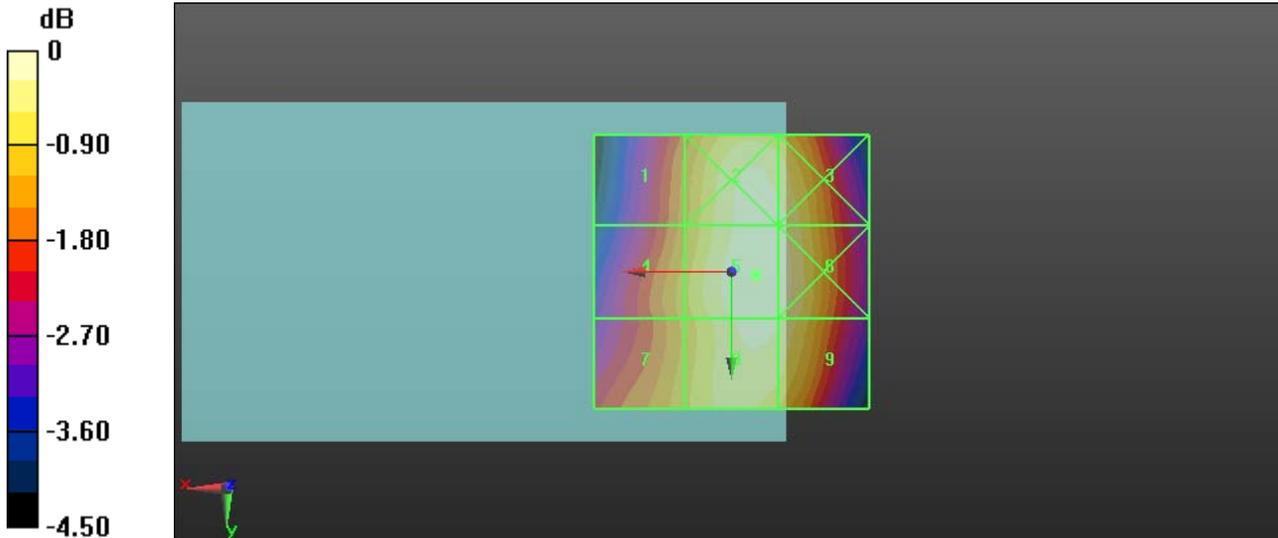
Grid 1 <b>130.7 M4</b>	Grid 2 <b>149.8 M3</b>	Grid 3 <b>148.4 M4</b>
Grid 4 <b>135.6 M4</b>	Grid 5 <b>151.7 M3</b>	Grid 6 <b>150.2 M3</b>
Grid 7 <b>135.6 M4</b>	Grid 8 <b>149.1 M4</b>	Grid 9 <b>147.4 M4</b>

**Cursor:**

Total = 151.7 V/m

E Category: M3

Location: -4.5, 0.5, 8.7 mm



0 dB = 151.7V/m

Test Laboratory: UL CCS

## HAC RF Emission

Communication System: GSM850; Frequency: 848.8 MHz; Duty Cycle: 1:8.00018

Phantom section: TCoil Section

DASY4 Configuration:

- Probe: ER3DV6 - SN2339; ConvF(1, 1, 1); Calibrated: 1/20/2011
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1239; Calibrated: 11/17/2010
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.6 (1); SEMCAD X Version 14.4.2 (2595)

### GSM850\_closed/H ch\_E Scan - ER3D - 2007: 15 mm from Probe Center to the Device/Hearing Aid Compatibility Test (101x101x1): Measurement grid: dx=5mm, dy=5mm

Maximum value of peak Total field = 145.7 V/m

Probe Modulation Factor = 2.790

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 64.238 V/m; Power Drift = -0.03 dB

Hearing Aid Near-Field Category: **M4 (AWF -5 dB)**

Peak E-field in V/m

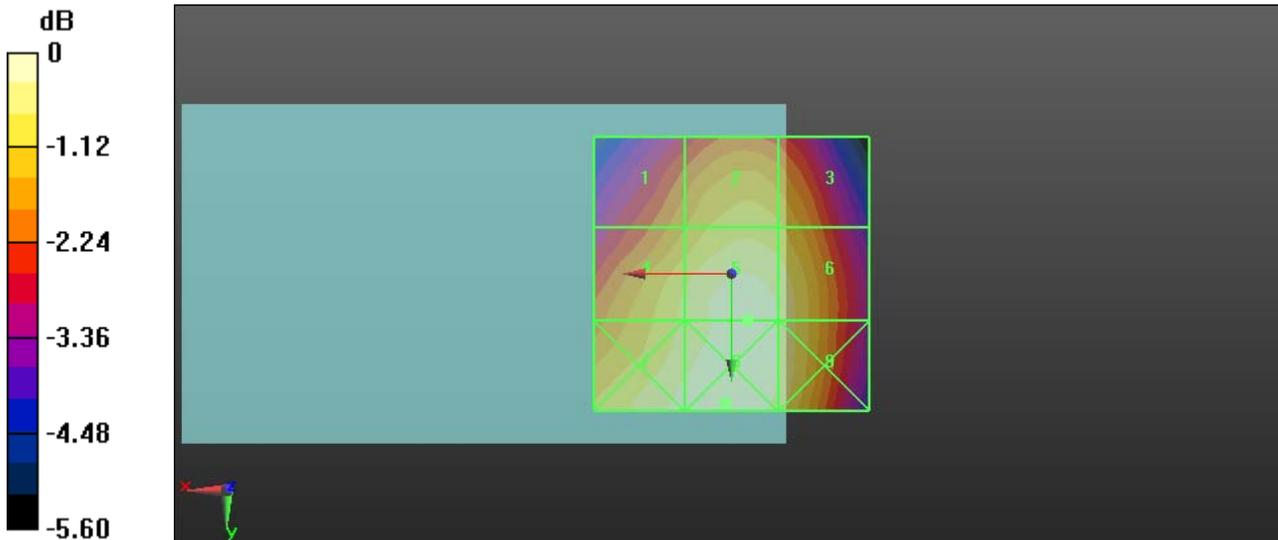
Grid 1 <b>125.1 M4</b>	Grid 2 <b>134.8 M4</b>	Grid 3 <b>132.1 M4</b>
Grid 4 <b>137.9 M4</b>	Grid 5 <b>145.7 M4</b>	Grid 6 <b>142.3 M4</b>
Grid 7 <b>145.1 M4</b>	Grid 8 <b>148.8 M4</b>	Grid 9 <b>142.8 M4</b>

#### Cursor:

Total = 148.8 V/m

E Category: M4

Location: 1, 23.5, 8.7 mm



0 dB = 148.8V/m

Test Laboratory: UL CCS

**HAC RF Emission**

Communication System: GSM1900; Frequency: 1850.2 MHz; Duty Cycle: 1:8.00018

Phantom section: TCoil Section

DASY4 Configuration:

- Probe: ER3DV6 - SN2339; ConvF(1, 1, 1); Calibrated: 1/20/2011

- Sensor-Surface: (Fix Surface)

- Electronics: DAE4 Sn1239; Calibrated: 11/17/2010

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

- Measurement SW: DASY52, Version 52.6 (1); SEMCAD X Version 14.4.2 (2595)

**GSM1900\_open/L ch\_E Scan - ER3D - 2007: 15 mm from Probe Center to the Device/Hearing Aid Compatibility Test (101x101x1):** Measurement grid: dx=5mm, dy=5mm

Maximum value of peak Total field = 61.070 V/m

Probe Modulation Factor = 2.820

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 16.009 V/m; Power Drift = 0.17 dB

**Hearing Aid Near-Field Category: M3 (AWF -5 dB)**

Peak E-field in V/m

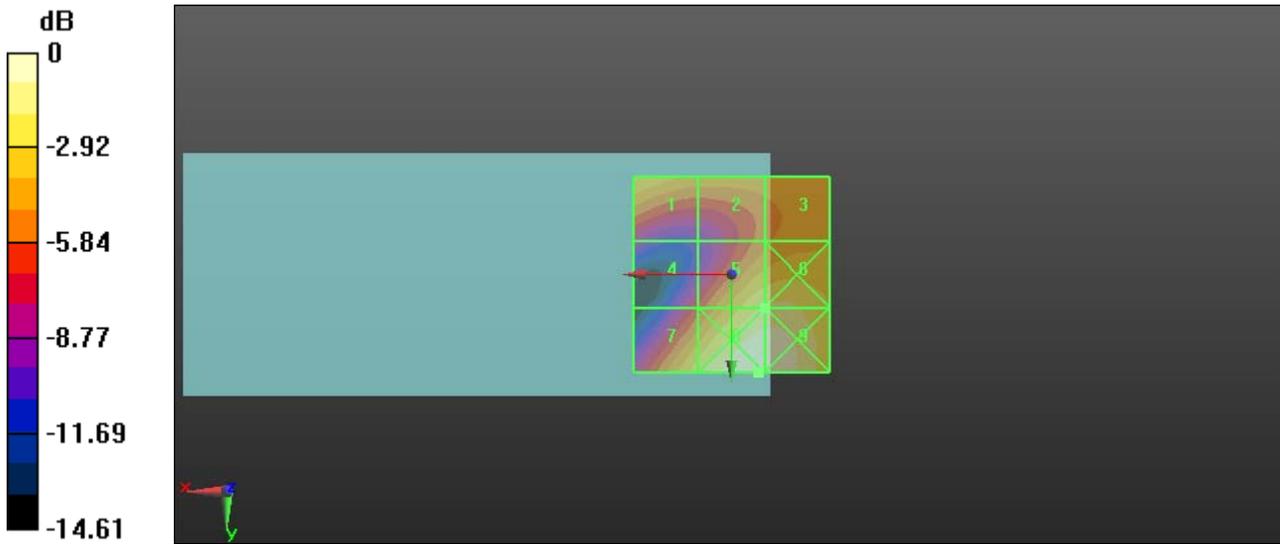
Grid 1 <b>55.432 M3</b>	Grid 2 <b>47.072 M4</b>	Grid 3 <b>47.882 M3</b>
Grid 4 <b>35.944 M4</b>	Grid 5 <b>61.070 M3</b>	Grid 6 <b>62.258 M3</b>
Grid 7 <b>58.085 M3</b>	Grid 8 <b>75.418 M3</b>	Grid 9 <b>75.138 M3</b>

**Cursor:**

Total = 75.418 V/m

E Category: M3

Location: -7, 25, 8.7 mm



0 dB = 75.420V/m

Test Laboratory: UL CCS

## HAC RF Emission

Communication System: GSM1900; Frequency: 1880 MHz; Duty Cycle: 1:8.00018

Phantom section: TCoil Section

DASY4 Configuration:

- Probe: ER3DV6 - SN2339; ConvF(1, 1, 1); Calibrated: 1/20/2011
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1239; Calibrated: 11/17/2010
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.6 (1); SEMCAD X Version 14.4.2 (2595)

### GSM1900\_open/M ch\_E Scan - ER3D - 2007: 15 mm from Probe Center to the Device/Hearing Aid Compatibility Test (101x101x1): Measurement grid: dx=5mm, dy=5mm

Maximum value of peak Total field = 60.429 V/m

Probe Modulation Factor = 2.820

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 14.163 V/m; Power Drift = -0.03 dB

Hearing Aid Near-Field Category: **M3 (AWF -5 dB)**

Peak E-field in V/m

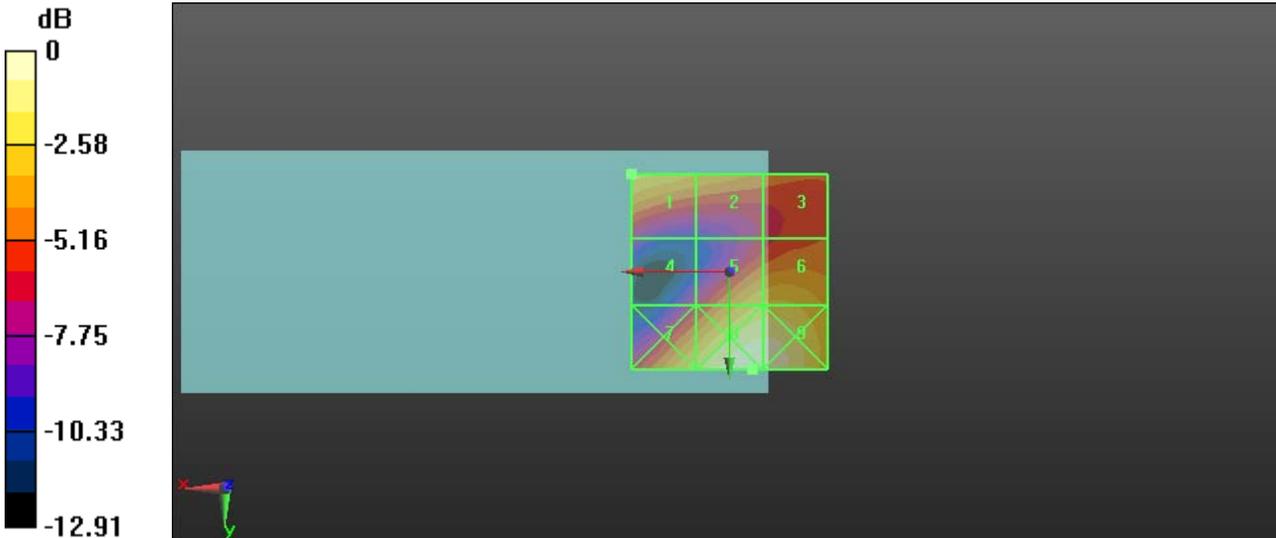
Grid 1 <b>60.429 M3</b>	Grid 2 <b>53.134 M3</b>	Grid 3 <b>46.506 M4</b>
Grid 4 <b>35.813 M4</b>	Grid 5 <b>58.664 M3</b>	Grid 6 <b>59.806 M3</b>
Grid 7 <b>62.236 M3</b>	Grid 8 <b>77.817 M3</b>	Grid 9 <b>77.233 M3</b>

**Cursor:**

Total = 77.817 V/m

E Category: M3

Location: -6, 25, 8.7 mm



0 dB = 77.820V/m

Test Laboratory: UL CCS

## HAC RF Emission

Communication System: GSM1900; Frequency: 1909.8 MHz; Duty Cycle: 1:8.00018

Phantom section: TCoil Section

DASY4 Configuration:

- Probe: ER3DV6 - SN2339; ConvF(1, 1, 1); Calibrated: 1/20/2011

- Sensor-Surface: (Fix Surface)

- Electronics: DAE4 Sn1239; Calibrated: 11/17/2010

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

- Measurement SW: DASY52, Version 52.6 (1); SEMCAD X Version 14.4.2 (2595)

### GSM1900\_open/H ch\_E Scan - ER3D - 2007: 15 mm from Probe Center to the Device/Hearing Aid Compatibility Test (101x101x1): Measurement grid: dx=5mm, dy=5mm

Maximum value of peak Total field = 58.544 V/m

Probe Modulation Factor = 2.820

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 12.455 V/m; Power Drift = 0.02 dB

Hearing Aid Near-Field Category: **M3 (AWF -5 dB)**

Peak E-field in V/m

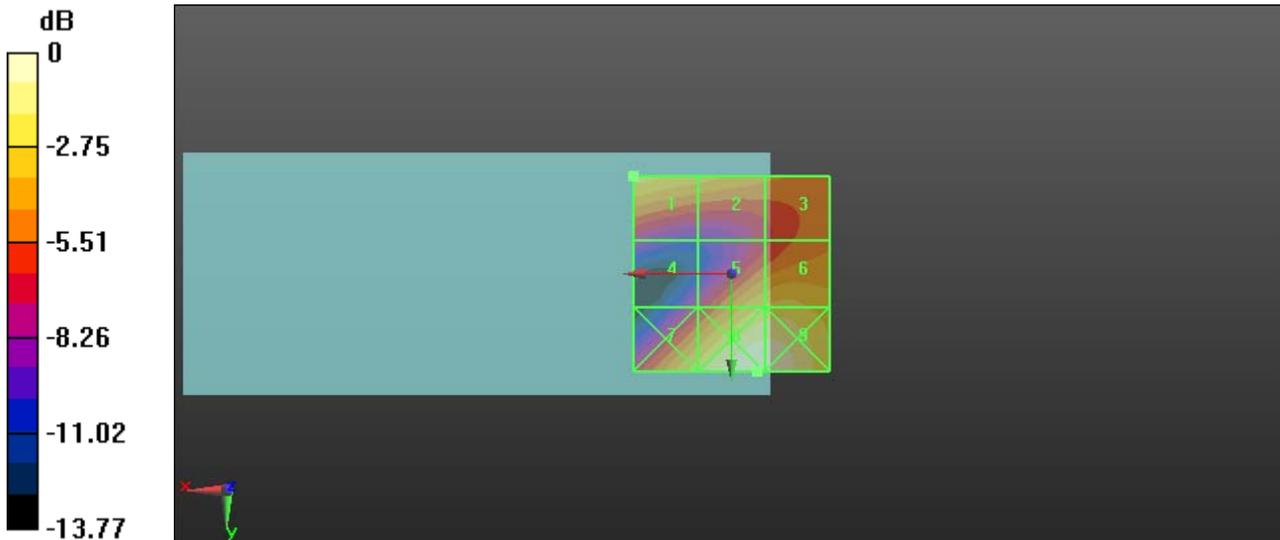
Grid 1 <b>58.544 M3</b>	Grid 2 <b>52.498 M3</b>	Grid 3 <b>46.493 M4</b>
Grid 4 <b>32.824 M4</b>	Grid 5 <b>56.121 M3</b>	Grid 6 <b>57.851 M3</b>
Grid 7 <b>59.738 M3</b>	Grid 8 <b>75.840 M3</b>	Grid 9 <b>75.417 M3</b>

#### Cursor:

Total = 75.840 V/m

E Category: M3

Location: -6.5, 25, 8.7 mm



0 dB = 75.840V/m

Test Laboratory: UL CCS

## HAC RF Emission

Communication System: GSM1900; Frequency: 1850.2 MHz; Duty Cycle: 1:8.00018

Phantom section: TCoil Section

DASY4 Configuration:

- Probe: ER3DV6 - SN2339; ConvF(1, 1, 1); Calibrated: 1/20/2011

- Sensor-Surface: (Fix Surface)

- Electronics: DAE4 Sn1239; Calibrated: 11/17/2010

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

- Measurement SW: DASY52, Version 52.6 (1); SEMCAD X Version 14.4.2 (2595)

### GSM1900\_closed/L ch\_E Scan - ER3D - 2007: 15 mm from Probe Center to the Device/Hearing Aid Compatibility Test (101x101x1): Measurement grid: dx=5mm, dy=5mm

Maximum value of peak Total field = 58.641 V/m

Probe Modulation Factor = 2.820

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 14.043 V/m; Power Drift = 0.05 dB

**Hearing Aid Near-Field Category: M3 (AWF -5 dB)**

Peak E-field in V/m

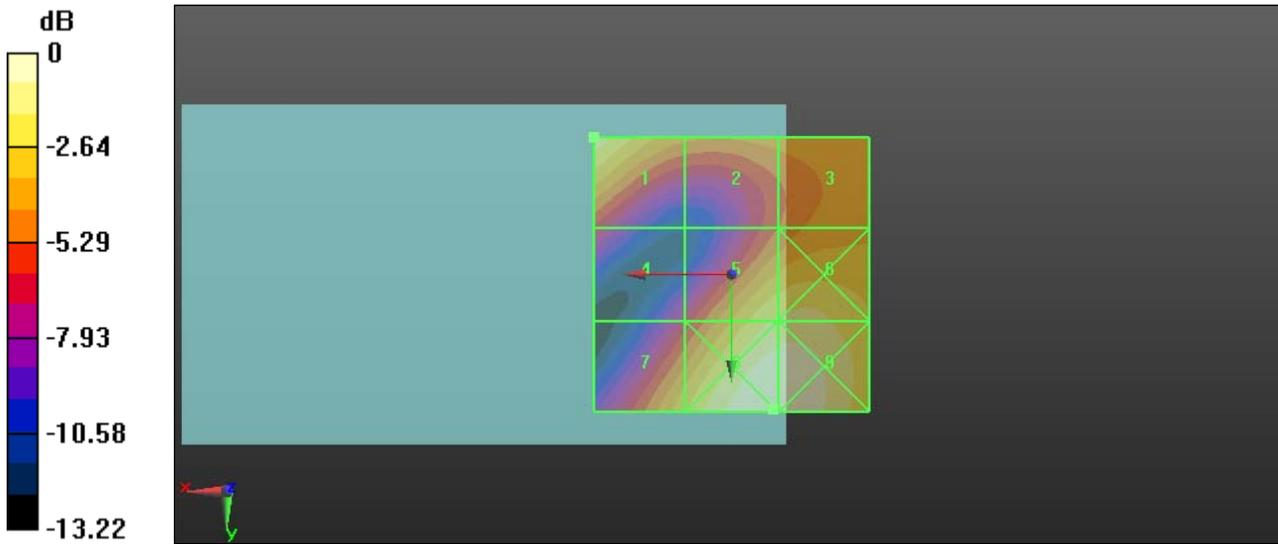
Grid 1 <b>58.641 M3</b>	Grid 2 <b>42.677 M4</b>	Grid 3 <b>43.813 M4</b>
Grid 4 <b>32.597 M4</b>	Grid 5 <b>55.785 M3</b>	Grid 6 <b>57.178 M3</b>
Grid 7 <b>48.987 M3</b>	Grid 8 <b>67.085 M3</b>	Grid 9 <b>67.019 M3</b>

**Cursor:**

Total = 67.085 V/m

E Category: M3

Location: -7.5, 24.5, 8.7 mm



0 dB = 67.090V/m

Test Laboratory: UL CCS

## HAC RF Emission

Communication System: GSM1900; Frequency: 1880 MHz; Duty Cycle: 1:8.00018

Phantom section: TCoil Section

DASY4 Configuration:

- Probe: ER3DV6 - SN2339; ConvF(1, 1, 1); Calibrated: 1/20/2011

- Sensor-Surface: (Fix Surface)

- Electronics: DAE4 Sn1239; Calibrated: 11/17/2010

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

- Measurement SW: DASY52, Version 52.6 (1); SEMCAD X Version 14.4.2 (2595)

### GSM1900\_closed/M ch\_E Scan - ER3D - 2007: 15 mm from Probe Center to the Device/Hearing Aid Compatibility Test (101x101x1): Measurement grid: dx=5mm, dy=5mm

Maximum value of peak Total field = 64.221 V/m

Probe Modulation Factor = 2.820

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 12.656 V/m; Power Drift = 0.03 dB

Hearing Aid Near-Field Category: **M3 (AWF -5 dB)**

Peak E-field in V/m

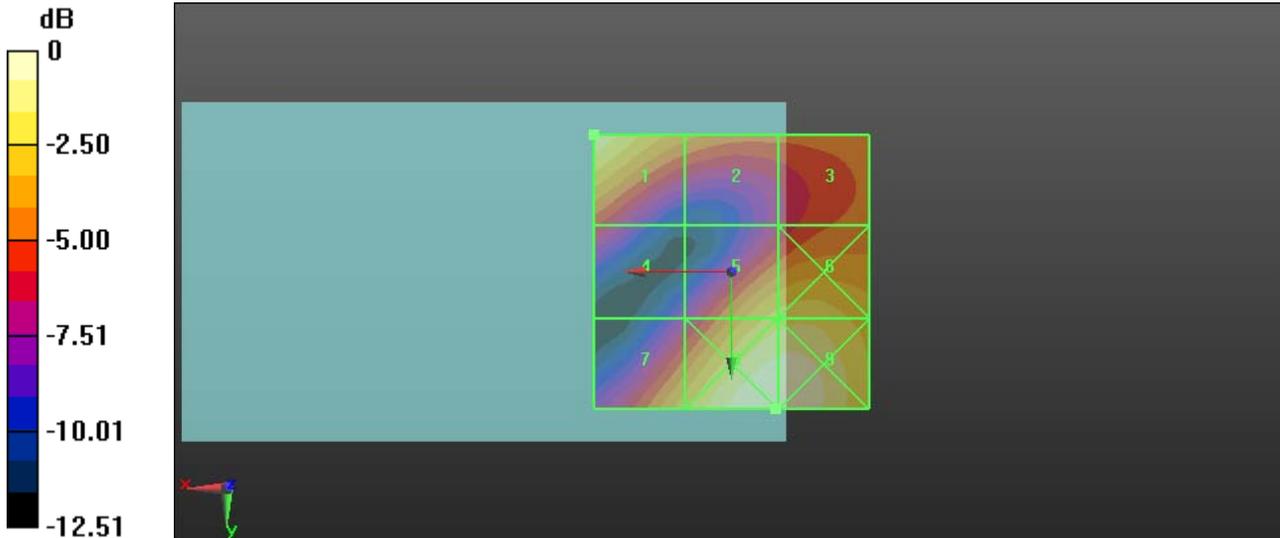
Grid 1 <b>64.221 M3</b>	Grid 2 <b>46.075 M4</b>	Grid 3 <b>42.022 M4</b>
Grid 4 <b>37.094 M4</b>	Grid 5 <b>55.745 M3</b>	Grid 6 <b>57.524 M3</b>
Grid 7 <b>51.905 M3</b>	Grid 8 <b>71.144 M3</b>	Grid 9 <b>71.111 M3</b>

**Cursor:**

Total = 71.143 V/m

E Category: M3

Location: -8, 25, 8.7 mm



0 dB = 71.140V/m

Test Laboratory: UL CCS

## HAC RF Emission

Communication System: GSM1900; Frequency: 1909.8 MHz; Duty Cycle: 1:8.00018

Phantom section: TCoil Section

DASY4 Configuration:

- Probe: ER3DV6 - SN2339; ConvF(1, 1, 1); Calibrated: 1/20/2011

- Sensor-Surface: (Fix Surface)

- Electronics: DAE4 Sn1239; Calibrated: 11/17/2010

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

- Measurement SW: DASY52, Version 52.6 (1); SEMCAD X Version 14.4.2 (2595)

### GSM1900\_closed/H ch\_E Scan - ER3D - 2007: 15 mm from Probe Center to the Device/Hearing Aid Compatibility Test (101x101x1): Measurement grid: dx=5mm, dy=5mm

Maximum value of peak Total field = 60.521 V/m

Probe Modulation Factor = 2.820

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 9.562 V/m; Power Drift = -0.13 dB

Hearing Aid Near-Field Category: **M3 (AWF -5 dB)**

Peak E-field in V/m

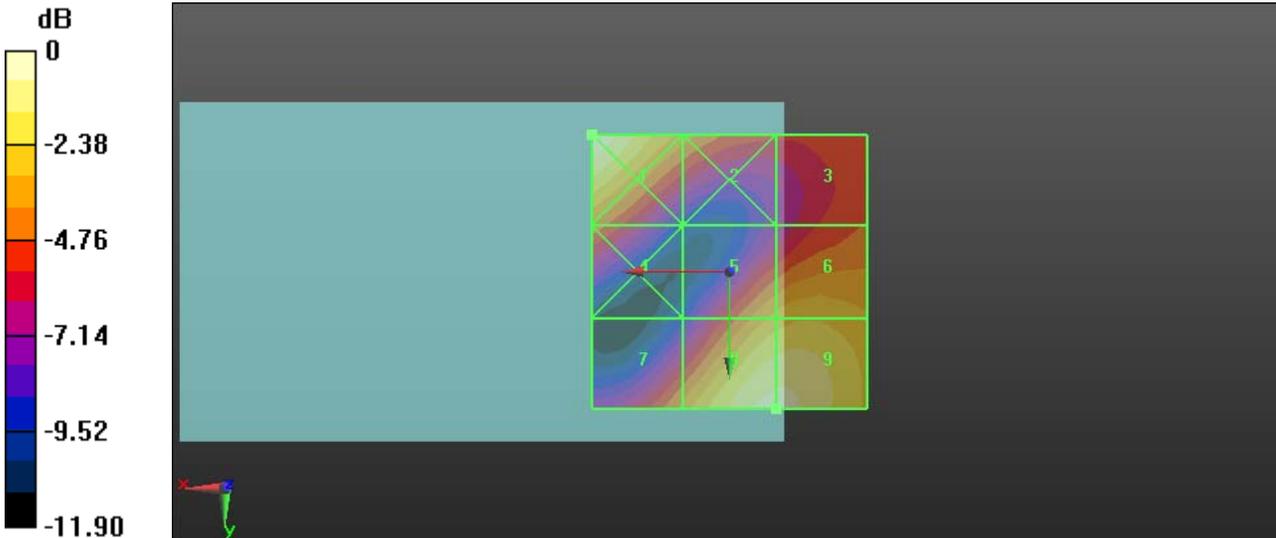
Grid 1 <b>64.872 M3</b>	Grid 2 <b>43.511 M4</b>	Grid 3 <b>37.824 M4</b>
Grid 4 <b>40.171 M4</b>	Grid 5 <b>46.605 M4</b>	Grid 6 <b>49.051 M3</b>
Grid 7 <b>42.781 M4</b>	Grid 8 <b>60.521 M3</b>	Grid 9 <b>60.521 M3</b>

**Cursor:**

Total = 64.872 V/m

E Category: M3

Location: 25, -25, 8.7 mm



0 dB = 64.870V/m

Test Laboratory: UL CCS

## HAC RF Emission

Communication System: CDMA Cell Band for Palm; Frequency: 824.7 MHz; Duty Cycle: 1:1

Phantom section: TCoil Section

DASY4 Configuration:

- Probe: ER3DV6 - SN2339; ConvF(1, 1, 1); Calibrated: 1/20/2011
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1239; Calibrated: 11/17/2010
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.6 (1); SEMCAD X Version 14.4.2 (2595)

### CDMA2000 Cell band\_open/L ch\_E Scan - ER3D - 2007: 15 mm from Probe Center to the Device/Hearing Aid Compatibility Test (101x101x1): Measurement grid: dx=5mm, dy=5mm

Maximum value of peak Total field = 56.093 V/m

Probe Modulation Factor = 0.950

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 74.420 V/m; Power Drift = -0.0022 dB

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

Peak E-field in V/m

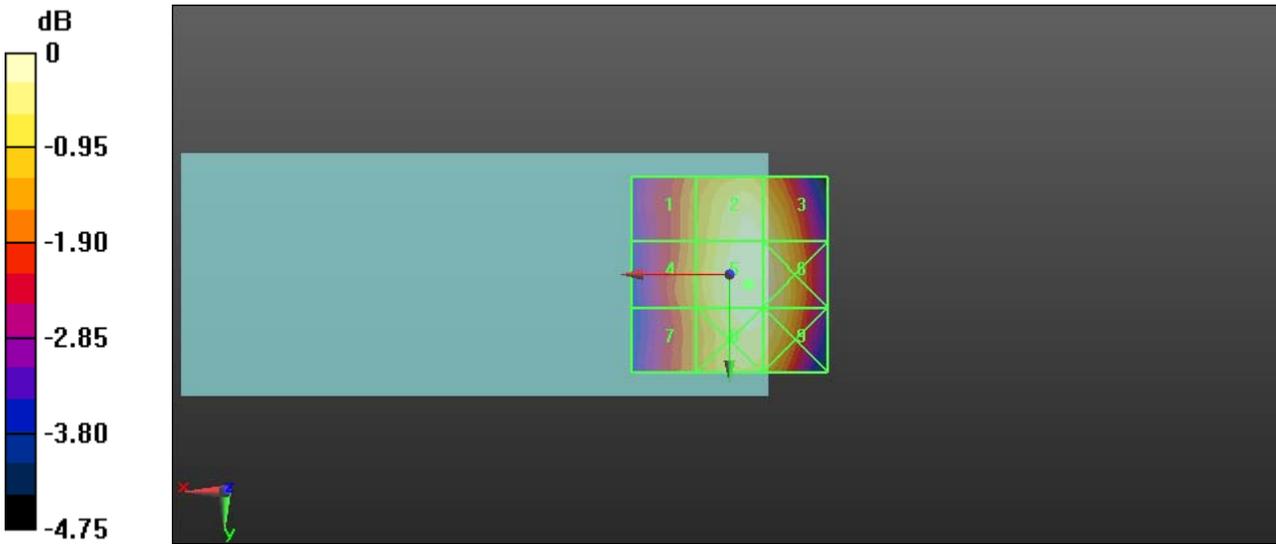
Grid 1 <b>48.369 M4</b>	Grid 2 <b>54.961 M4</b>	Grid 3 <b>54.498 M4</b>
Grid 4 <b>49.229 M4</b>	Grid 5 <b>56.093 M4</b>	Grid 6 <b>55.690 M4</b>
Grid 7 <b>48.149 M4</b>	Grid 8 <b>55.197 M4</b>	Grid 9 <b>54.871 M4</b>

**Cursor:**

Total = 56.093 V/m

E Category: M4

Location: -5, 2.5, 8.7 mm



0 dB = 56.090V/m

Test Laboratory: UL CCS

## HAC RF Emission

Communication System: CDMA Cell Band for Palm; Frequency: 836.52 MHz; Duty Cycle: 1:1

Phantom section: TCoil Section

DASY4 Configuration:

- Probe: ER3DV6 - SN2339; ConvF(1, 1, 1); Calibrated: 1/20/2011

- Sensor-Surface: (Fix Surface)

- Electronics: DAE4 Sn1239; Calibrated: 11/17/2010

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

- Measurement SW: DASY52, Version 52.6 (1); SEMCAD X Version 14.4.2 (2595)

### CDMA2000 Cell band\_open/M ch\_E Scan - ER3D - 2007: 15 mm from Probe Center to the Device/Hearing Aid Compatibility Test (101x101x1): Measurement grid: dx=5mm, dy=5mm

Maximum value of peak Total field = 50.799 V/m

Probe Modulation Factor = 0.950

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 66.800 V/m; Power Drift = -0.43 dB

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

Peak E-field in V/m

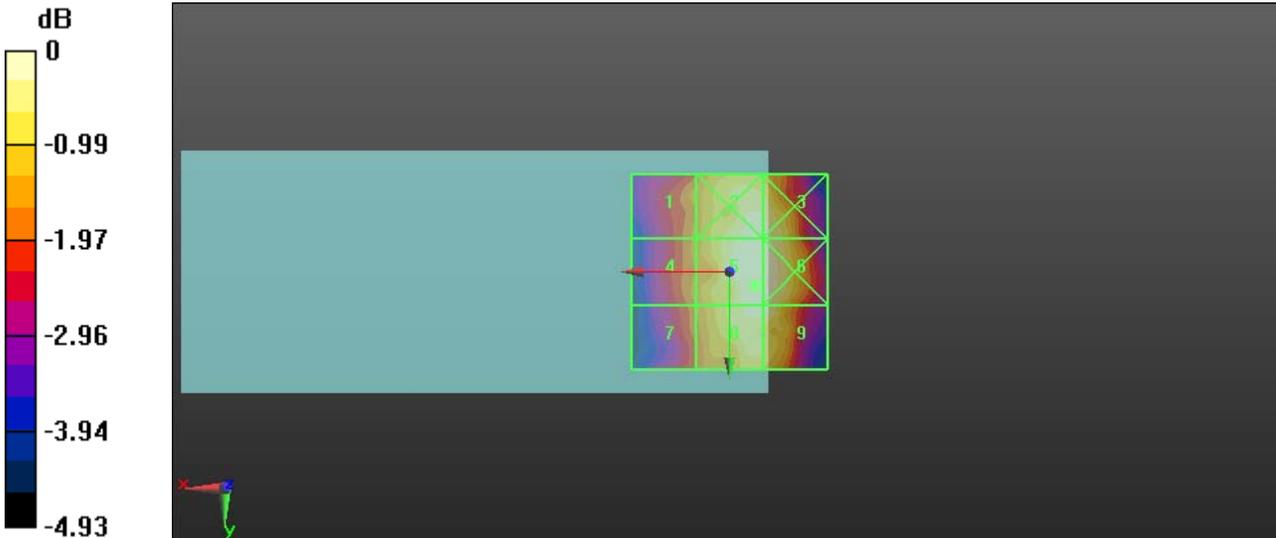
Grid 1 <b>43.016 M4</b>	Grid 2 <b>50.020 M4</b>	Grid 3 <b>49.902 M4</b>
Grid 4 <b>42.935 M4</b>	Grid 5 <b>50.799 M4</b>	Grid 6 <b>50.626 M4</b>
Grid 7 <b>42.212 M4</b>	Grid 8 <b>49.887 M4</b>	Grid 9 <b>49.807 M4</b>

**Cursor:**

Total = 50.799 V/m

E Category: M4

Location: -6.5, 3.5, 8.7 mm



0 dB = 50.800V/m

Test Laboratory: UL CCS

## HAC RF Emission

Communication System: CDMA Cell Band for Palm; Frequency: 848.31 MHz; Duty Cycle: 1:1

Phantom section: TCoil Section

DASY4 Configuration:

- Probe: ER3DV6 - SN2339; ConvF(1, 1, 1); Calibrated: 1/20/2011
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1239; Calibrated: 11/17/2010
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.6 (1); SEMCAD X Version 14.4.2 (2595)

### CDMA2000 Cell band\_open/H ch\_E Scan - ER3D - 2007: 15 mm from Probe Center to the Device/Hearing Aid Compatibility Test (101x101x1): Measurement grid: dx=5mm, dy=5mm

Maximum value of peak Total field = 46.711 V/m

Probe Modulation Factor = 0.950

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 60.542 V/m; Power Drift = 0.08 dB

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

Peak E-field in V/m

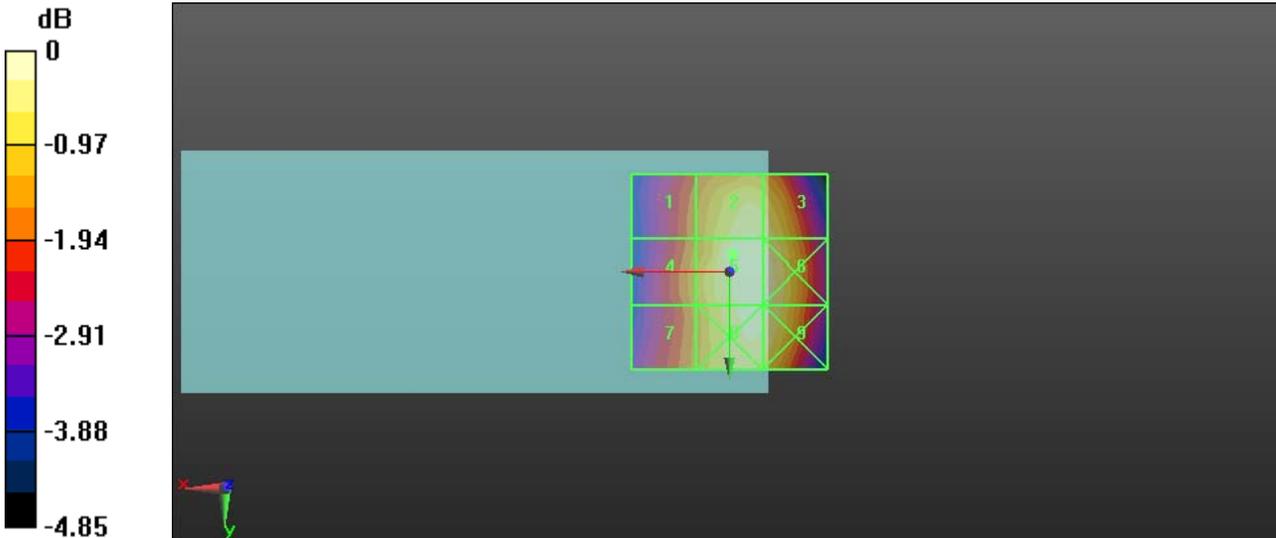
Grid 1 <b>38.935 M4</b>	Grid 2 <b>45.379 M4</b>	Grid 3 <b>44.886 M4</b>
Grid 4 <b>40.272 M4</b>	Grid 5 <b>46.711 M4</b>	Grid 6 <b>46.375 M4</b>
Grid 7 <b>39.772 M4</b>	Grid 8 <b>46.085 M4</b>	Grid 9 <b>45.815 M4</b>

**Cursor:**

Total = 46.711 V/m

E Category: M4

Location: -1, -4.5, 8.7 mm



0 dB = 46.710V/m

Test Laboratory: UL CCS

**HAC RF Emission**

Communication System: CDMA Cell Band for Palm; Frequency: 824.7 MHz; Duty Cycle: 1:1

Phantom section: TCoil Section

DASY4 Configuration:

- Probe: ER3DV6 - SN2339; ConvF(1, 1, 1); Calibrated: 1/20/2011

- Sensor-Surface: (Fix Surface)

- Electronics: DAE4 Sn1239; Calibrated: 11/17/2010

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

- Measurement SW: DASY52, Version 52.6 (1); SEMCAD X Version 14.4.2 (2595)

**CDMA2000 Cell band\_closed/L ch\_E Scan - ER3D - 2007: 15 mm from Probe Center to the Device/Hearing Aid Compatibility Test (101x101x1):** Measurement grid: dx=5mm, dy=5mm

Maximum value of peak Total field = 56.993 V/m

Probe Modulation Factor = 0.950

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 75.057 V/m; Power Drift = -0.24 dB

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

Peak E-field in V/m

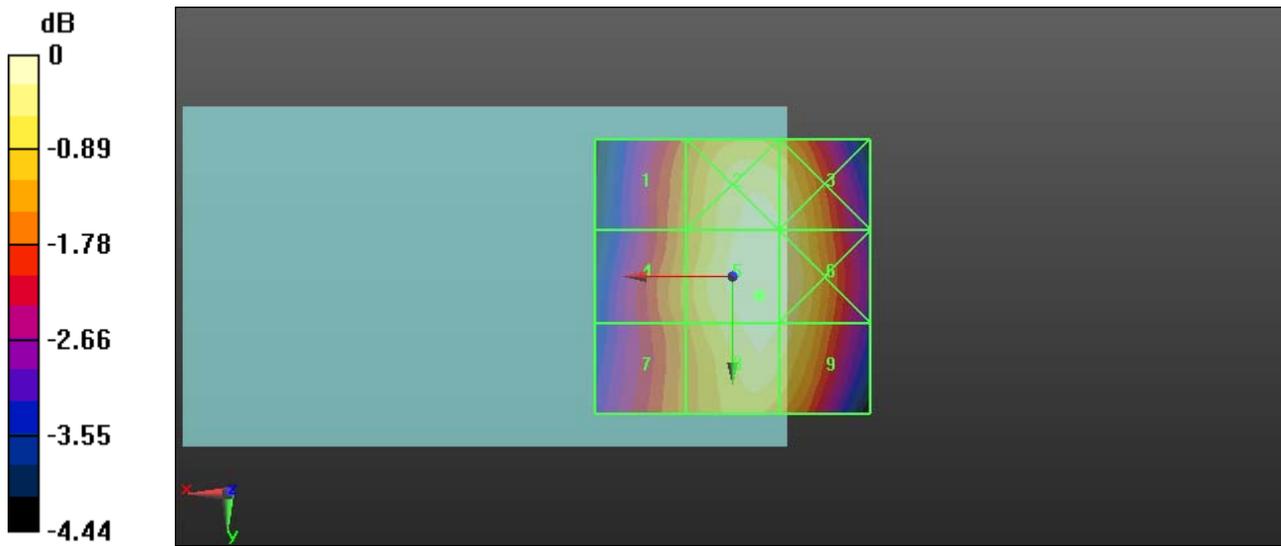
Grid 1 <b>49.379 M4</b>	Grid 2 <b>55.934 M4</b>	Grid 3 <b>55.404 M4</b>
Grid 4 <b>50.520 M4</b>	Grid 5 <b>56.993 M4</b>	Grid 6 <b>56.031 M4</b>
Grid 7 <b>49.451 M4</b>	Grid 8 <b>55.991 M4</b>	Grid 9 <b>55.057 M4</b>

**Cursor:**

Total = 56.993 V/m

E Category: M4

Location: -5, 3.5, 8.7 mm



0 dB = 56.990V/m

Test Laboratory: UL CCS

## HAC RF Emission

Communication System: CDMA Cell Band for Palm; Frequency: 836.52 MHz; Duty Cycle: 1:1

Phantom section: TCoil Section

DASY4 Configuration:

- Probe: ER3DV6 - SN2339; ConvF(1, 1, 1); Calibrated: 1/20/2011
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1239; Calibrated: 11/17/2010
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.6 (1); SEMCAD X Version 14.4.2 (2595)

### CDMA2000 Cell band\_closed/M ch\_E Scan - ER3D - 2007: 15 mm from Probe Center to the Device/Hearing Aid Compatibility Test (101x101x1): Measurement grid: dx=5mm, dy=5mm

Maximum value of peak Total field = 52.747 V/m

Probe Modulation Factor = 0.950

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 68.745 V/m; Power Drift = -0.02 dB

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

Peak E-field in V/m

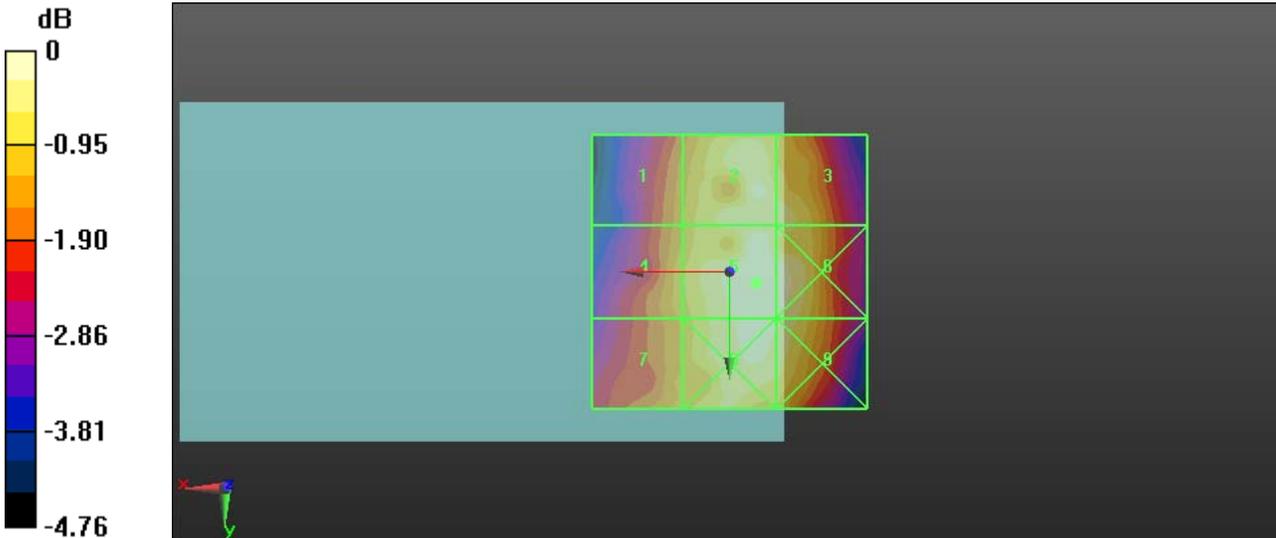
Grid 1 <b>45.568 M4</b>	Grid 2 <b>51.586 M4</b>	Grid 3 <b>50.446 M4</b>
Grid 4 <b>47.074 M4</b>	Grid 5 <b>52.747 M4</b>	Grid 6 <b>52.286 M4</b>
Grid 7 <b>46.622 M4</b>	Grid 8 <b>51.684 M4</b>	Grid 9 <b>51.171 M4</b>

**Cursor:**

Total = 52.747 V/m

E Category: M4

Location: -5, 2, 8.7 mm



0 dB = 52.750V/m

Test Laboratory: UL CCS

## HAC RF Emission

Communication System: CDMA Cell Band for Palm; Frequency: 848.31 MHz; Duty Cycle: 1:1

Phantom section: TCoil Section

DASY4 Configuration:

- Probe: ER3DV6 - SN2339; ConvF(1, 1, 1); Calibrated: 1/20/2011

- Sensor-Surface: (Fix Surface)

- Electronics: DAE4 Sn1239; Calibrated: 11/17/2010

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

- Measurement SW: DASY52, Version 52.6 (1); SEMCAD X Version 14.4.2 (2595)

### CDMA2000 Cell band\_closed/H ch\_E Scan - ER3D - 2007: 15 mm from Probe Center to the Device/Hearing Aid Compatibility Test (101x101x1): Measurement grid: dx=5mm, dy=5mm

Maximum value of peak Total field = 49.818 V/m

Probe Modulation Factor = 0.950

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 66.155 V/m; Power Drift = -0.32 dB

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

Peak E-field in V/m

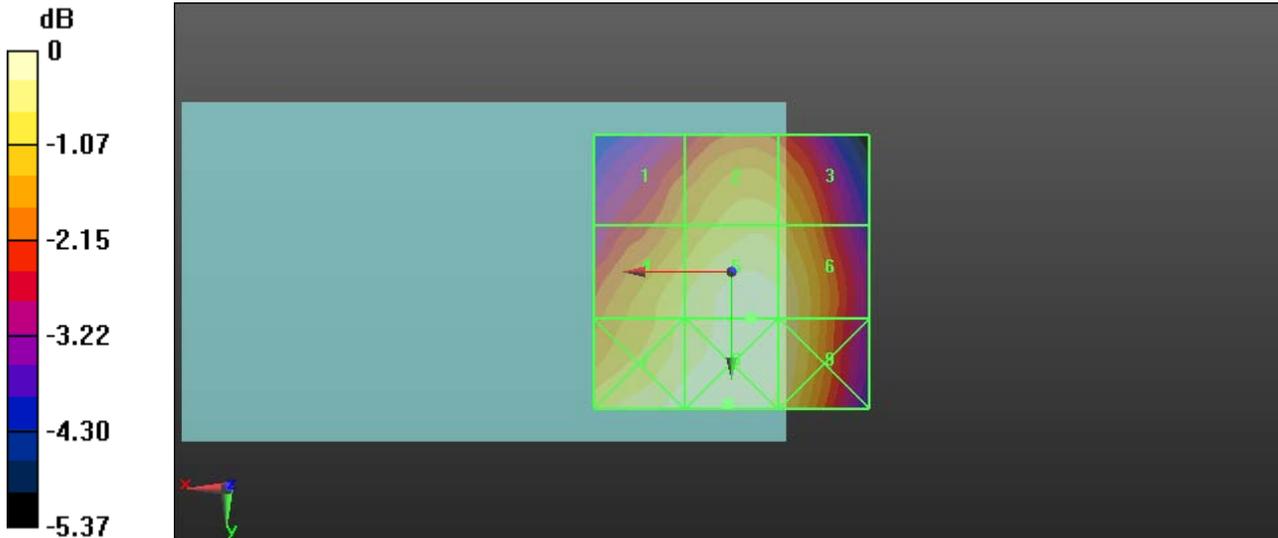
Grid 1 <b>42.747 M4</b>	Grid 2 <b>46.436 M4</b>	Grid 3 <b>45.747 M4</b>
Grid 4 <b>47.251 M4</b>	Grid 5 <b>49.818 M4</b>	Grid 6 <b>49.057 M4</b>
Grid 7 <b>49.812 M4</b>	Grid 8 <b>50.803 M4</b>	Grid 9 <b>49.107 M4</b>

**Cursor:**

Total = 50.803 V/m

E Category: M4

Location: 0.5, 24, 8.7 mm



0 dB = 50.800V/m

Test Laboratory: UL CCS

**HAC RF Emission**

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

Phantom section: TCoil Section

DASY4 Configuration:

- Probe: ER3DV6 - SN2339; ConvF(1, 1, 1); Calibrated: 1/20/2011

- Sensor-Surface: (Fix Surface)

- Electronics: DAE4 Sn1239; Calibrated: 11/17/2010

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

- Measurement SW: DASY52, Version 52.6 (1); SEMCAD X Version 14.4.2 (2595)

**CDMA2000 PCS band\_open/L ch\_E Scan - ER3D - 2007: 15 mm from Probe Center to the Device/Hearing Aid Compatibility Test (101x101x1):** Measurement grid: dx=5mm, dy=5mm

Maximum value of peak Total field = 28.235 V/m

Probe Modulation Factor = 0.950

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 21.603 V/m; Power Drift = 0.01 dB

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

Peak E-field in V/m

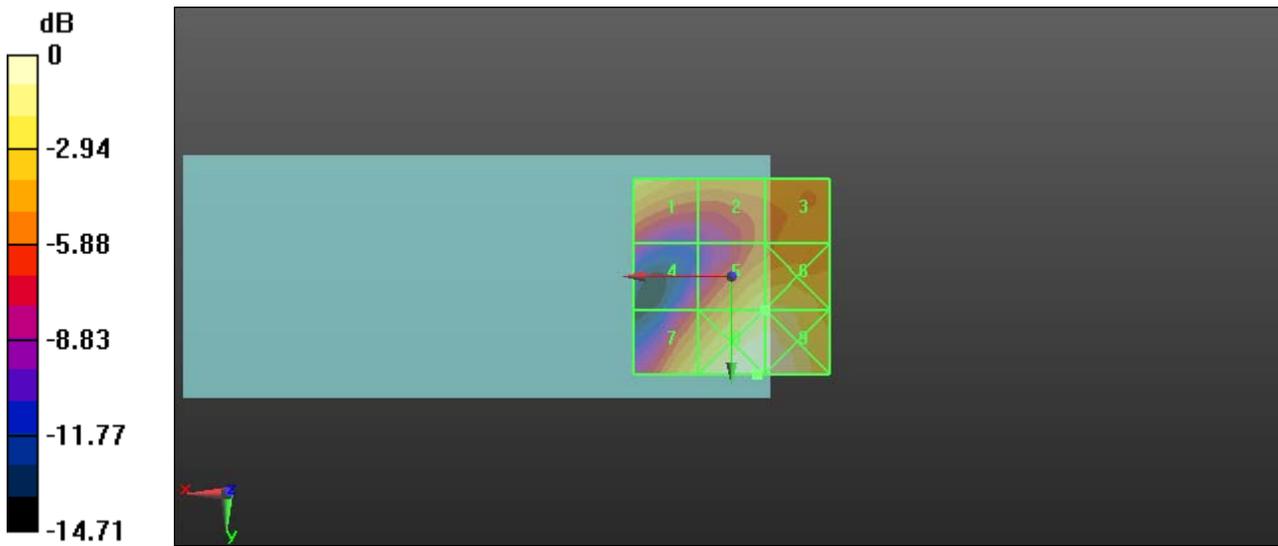
Grid 1 <b>26.605 M4</b>	Grid 2 <b>22.271 M4</b>	Grid 3 <b>21.927 M4</b>
Grid 4 <b>16.798 M4</b>	Grid 5 <b>28.235 M4</b>	Grid 6 <b>28.645 M4</b>
Grid 7 <b>27.102 M4</b>	Grid 8 <b>34.877 M4</b>	Grid 9 <b>34.725 M4</b>

**Cursor:**

Total = 34.877 V/m

E Category: M4

Location: -6.5, 25, 8.7 mm



0 dB = 34.880V/m

Test Laboratory: UL CCS

## HAC RF Emission

Communication System: CDMA PCS Band; Frequency: 1880 MHz; Duty Cycle: 1:1

Phantom section: TCoil Section

DASY4 Configuration:

- Probe: ER3DV6 - SN2339; ConvF(1, 1, 1); Calibrated: 1/20/2011

- Sensor-Surface: (Fix Surface)

- Electronics: DAE4 Sn1239; Calibrated: 11/17/2010

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

- Measurement SW: DASY52, Version 52.6 (1); SEMCAD X Version 14.4.2 (2595)

### CDMA2000 PCS band\_open/M ch\_E Scan - ER3D - 2007: 15 mm from Probe Center to the Device/Hearing Aid Compatibility Test (101x101x1): Measurement grid: dx=5mm, dy=5mm

Maximum value of peak Total field = 29.513 V/m

Probe Modulation Factor = 0.950

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 20.401 V/m; Power Drift = -0.36 dB

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

Peak E-field in V/m

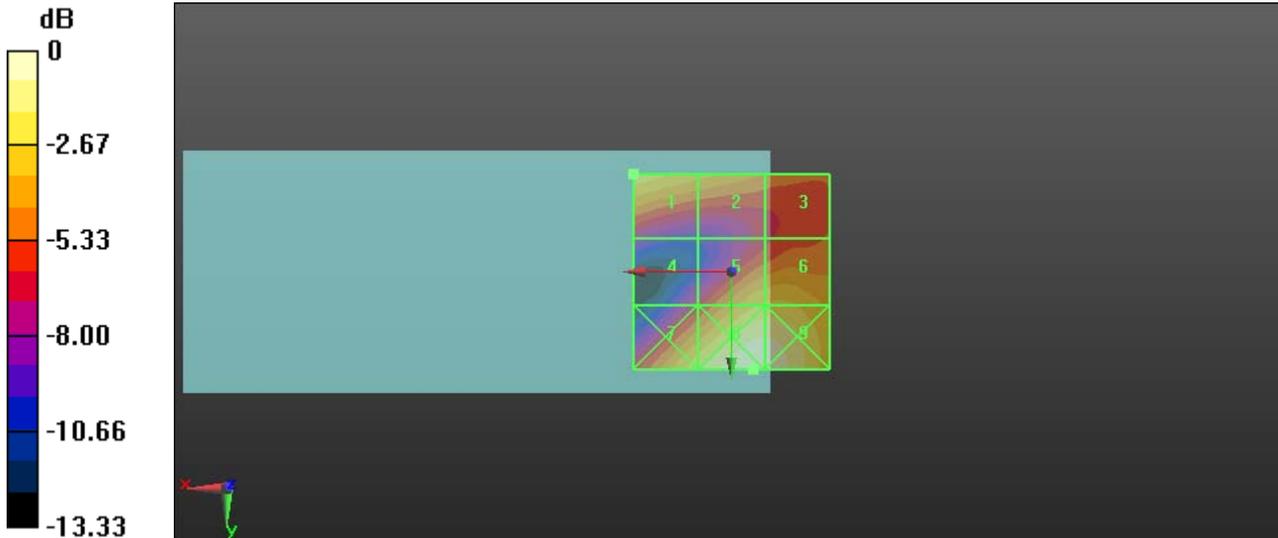
Grid 1 <b>29.513 M4</b>	Grid 2 <b>25.967 M4</b>	Grid 3 <b>22.102 M4</b>
Grid 4 <b>17.430 M4</b>	Grid 5 <b>27.871 M4</b>	Grid 6 <b>28.243 M4</b>
Grid 7 <b>30.010 M4</b>	Grid 8 <b>37.194 M4</b>	Grid 9 <b>36.706 M4</b>

**Cursor:**

Total = 37.194 V/m

E Category: M4

Location: -5.5, 25, 8.7 mm



0 dB = 37.190V/m

Test Laboratory: UL CCS

## HAC RF Emission

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

Phantom section: TCoil Section

DASY4 Configuration:

- Probe: ER3DV6 - SN2339; ConvF(1, 1, 1); Calibrated: 1/20/2011

- Sensor-Surface: (Fix Surface)

- Electronics: DAE4 Sn1239; Calibrated: 11/17/2010

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

- Measurement SW: DASY52, Version 52.6 (1); SEMCAD X Version 14.4.2 (2595)

### CDMA2000 PCS band\_open/H ch\_E Scan - ER3D - 2007: 15 mm from Probe Center to the Device/Hearing Aid Compatibility Test (101x101x1): Measurement grid: dx=5mm, dy=5mm

Maximum value of peak Total field = 26.491 V/m

Probe Modulation Factor = 0.950

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 16.755 V/m; Power Drift = 0.07 dB

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

Peak E-field in V/m

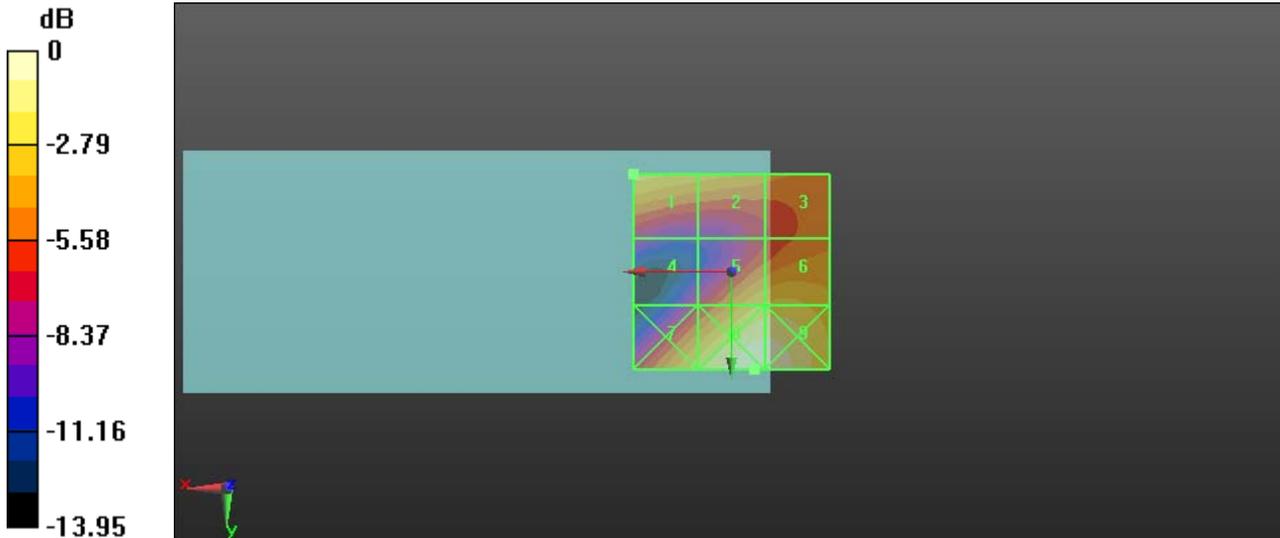
Grid 1 <b>26.491 M4</b>	Grid 2 <b>24.000 M4</b>	Grid 3 <b>21.459 M4</b>
Grid 4 <b>15.191 M4</b>	Grid 5 <b>25.588 M4</b>	Grid 6 <b>26.252 M4</b>
Grid 7 <b>27.059 M4</b>	Grid 8 <b>34.686 M4</b>	Grid 9 <b>34.162 M4</b>

#### Cursor:

Total = 34.686 V/m

E Category: M4

Location: -6, 25, 8.7 mm



0 dB = 34.690V/m

Test Laboratory: UL CCS

## HAC RF Emission

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

Phantom section: TCoil Section

DASY4 Configuration:

- Probe: ER3DV6 - SN2339; ConvF(1, 1, 1); Calibrated: 1/20/2011

- Sensor-Surface: (Fix Surface)

- Electronics: DAE4 Sn1239; Calibrated: 11/17/2010

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

- Measurement SW: DASY52, Version 52.6 (1); SEMCAD X Version 14.4.2 (2595)

### CDMA2000 PCS band\_closed/L ch\_E Scan - ER3D - 2007: 15 mm from Probe Center to the Device/Hearing Aid Compatibility Test (101x101x1): Measurement grid: dx=5mm, dy=5mm

Maximum value of peak Total field = 28.496 V/m

Probe Modulation Factor = 0.950

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 20.682 V/m; Power Drift = -0.36 dB

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

Peak E-field in V/m

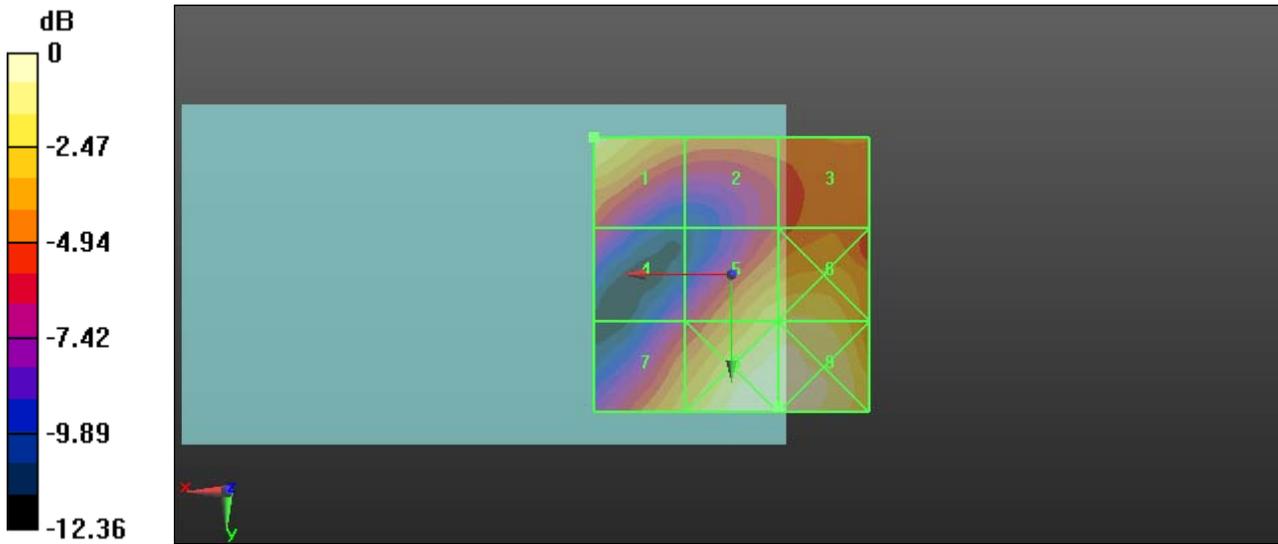
Grid 1 <b>28.496 M4</b>	Grid 2 <b>21.164 M4</b>	Grid 3 <b>20.747 M4</b>
Grid 4 <b>17.098 M4</b>	Grid 5 <b>27.043 M4</b>	Grid 6 <b>27.780 M4</b>
Grid 7 <b>24.492 M4</b>	Grid 8 <b>32.805 M4</b>	Grid 9 <b>32.805 M4</b>

**Cursor:**

Total = 32.805 V/m

E Category: M4

Location: -8.5, 24, 8.7 mm



0 dB = 32.800V/m

Test Laboratory: UL CCS

## HAC RF Emission

Communication System: CDMA PCS Band; Frequency: 1880 MHz; Duty Cycle: 1:1

Phantom section: TCoil Section

DASY4 Configuration:

- Probe: ER3DV6 - SN2339; ConvF(1, 1, 1); Calibrated: 1/20/2011

- Sensor-Surface: (Fix Surface)

- Electronics: DAE4 Sn1239; Calibrated: 11/17/2010

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

- Measurement SW: DASY52, Version 52.6 (1); SEMCAD X Version 14.4.2 (2595)

### CDMA2000 PCS band\_closed/M ch\_E Scan - ER3D - 2007: 15 mm from Probe Center to the Device/Hearing Aid Compatibility Test (101x101x1): Measurement grid: dx=5mm, dy=5mm

Maximum value of peak Total field = 31.404 V/m

Probe Modulation Factor = 0.950

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 17.937 V/m; Power Drift = 0.06 dB

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

Peak E-field in V/m

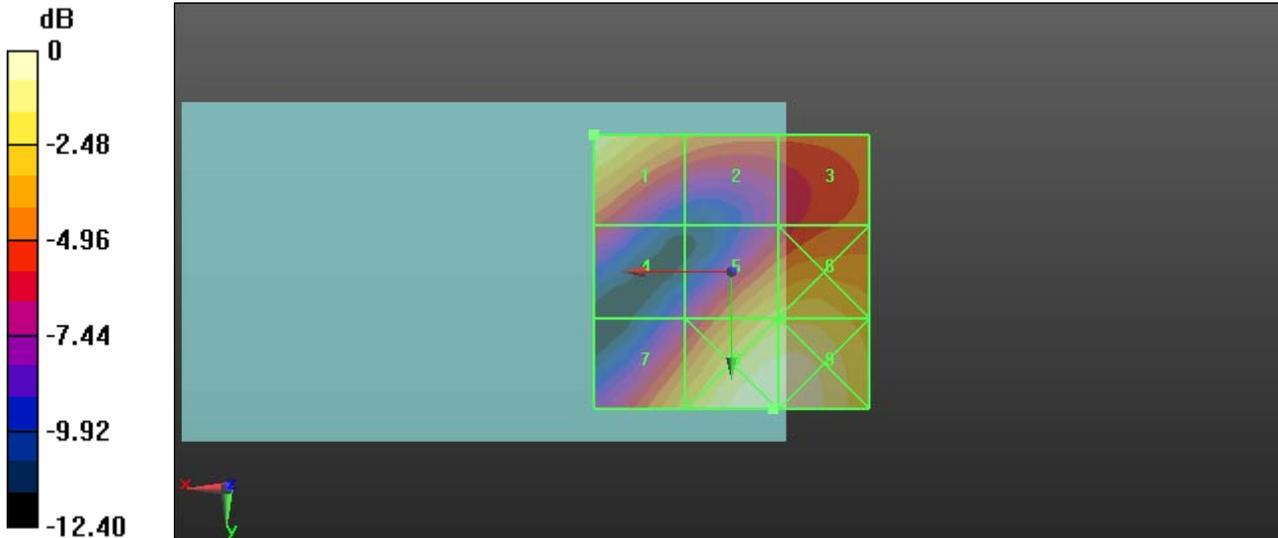
Grid 1 <b>31.404 M4</b>	Grid 2 <b>22.647 M4</b>	Grid 3 <b>20.611 M4</b>
Grid 4 <b>18.313 M4</b>	Grid 5 <b>27.495 M4</b>	Grid 6 <b>28.387 M4</b>
Grid 7 <b>25.468 M4</b>	Grid 8 <b>34.960 M4</b>	Grid 9 <b>34.936 M4</b>

**Cursor:**

Total = 34.960 V/m

E Category: M4

Location: -7.5, 25, 8.7 mm



0 dB = 34.960V/m

Test Laboratory: UL CCS

## HAC RF Emission

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

Phantom section: TCoil Section

DASY4 Configuration:

- Probe: ER3DV6 - SN2339; ConvF(1, 1, 1); Calibrated: 1/20/2011

- Sensor-Surface: (Fix Surface)

- Electronics: DAE4 Sn1239; Calibrated: 11/17/2010

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

- Measurement SW: DASY52, Version 52.6 (1); SEMCAD X Version 14.4.2 (2595)

### CDMA2000 PCS band\_closed/H ch\_E Scan - ER3D - 2007: 15 mm from Probe Center to the Device/Hearing Aid Compatibility Test (101x101x1): Measurement grid: dx=5mm, dy=5mm

Maximum value of peak Total field = 32.044 V/m

Probe Modulation Factor = 0.950

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 16.094 V/m; Power Drift = -0.36 dB

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

Peak E-field in V/m

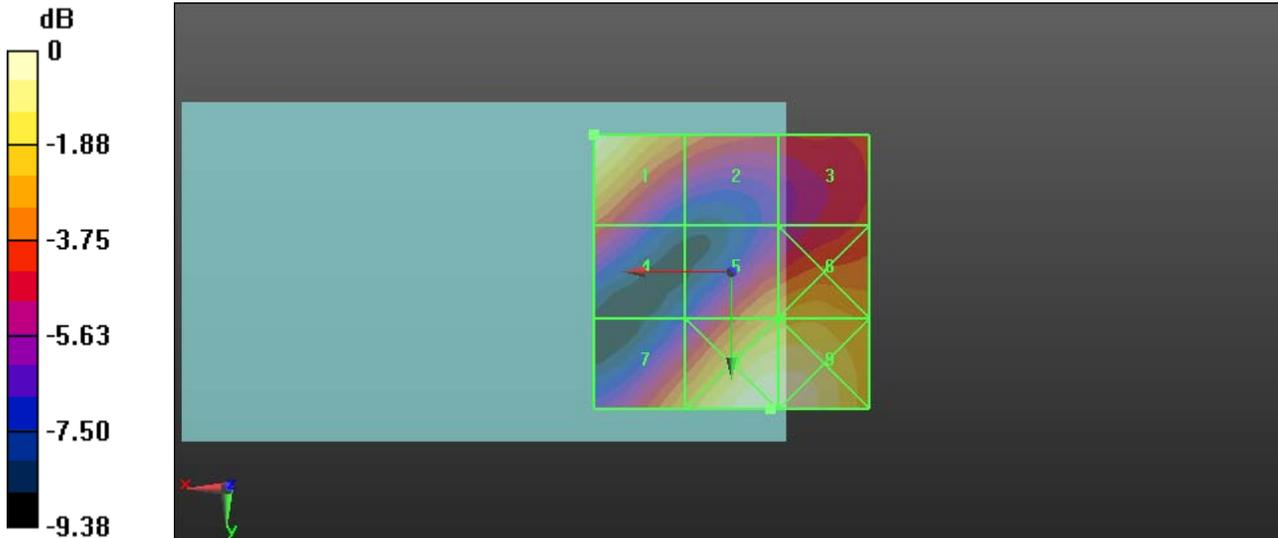
Grid 1 <b>32.044 M4</b>	Grid 2 <b>22.718 M4</b>	Grid 3 <b>20.265 M4</b>
Grid 4 <b>21.014 M4</b>	Grid 5 <b>24.988 M4</b>	Grid 6 <b>25.936 M4</b>
Grid 7 <b>24.717 M4</b>	Grid 8 <b>32.586 M4</b>	Grid 9 <b>32.518 M4</b>

**Cursor:**

Total = 32.586 V/m

E Category: M4

Location: -7, 25, 8.7 mm



0 dB = 32.590V/m