

**HAC\_E\_Dipole\_835\_140514**

**DUT: HAC-Dipole 835 MHz**

Communication System: CW; Frequency: 835 MHz; Duty Cycle: 1:1  
 Medium: Air Medium parameters used:  $\sigma = 0$  S/m,  $\epsilon_r = 1$ ;  $\rho = 0$  kg/m<sup>3</sup>  
 Ambient Temperature : 23.2 °C

**DASY5 Configuration**

- Probe: ER3DV6 - SN2358; ConvF(1, 1, 1); Calibrated: 2014/1/30;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1279; Calibrated: 2014/1/30
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.8 (6); SEMCAD X Version 14.6.9 (7117)

**E Scan - measurement distance from the probe sensor center to CD835 = 10mm & 15mm/Hearing Aid Compatibility Test at 15mm distance (41x361x1):** Interpolated grid:

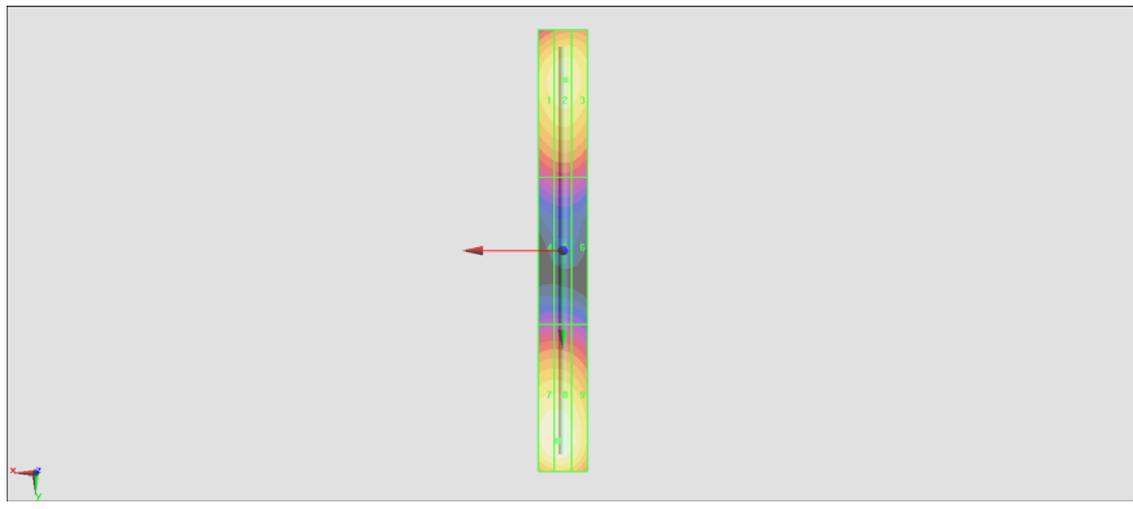
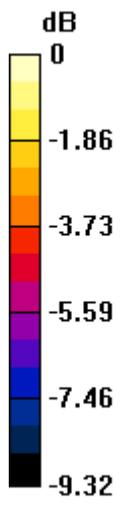
dx=0.5000 mm, dy=0.5000 mm  
 Device Reference Point: 0, 0, -6.3 mm  
 Reference Value = 114.5 V/m; Power Drift = 0.00 dB  
 PMF = 1.000 is applied.  
 E-field emissions = 113.8 V/m  
 Average value of Total=(104.1+113.8) / 2 = 108.95 V/m

PMF scaled E-field

<b>Grid 1 M4</b> <b>102.3 V/m</b>	<b>Grid 2 M4</b> <b>104.1 V/m</b>	<b>Grid 3 M4</b> <b>103.5 V/m</b>
<b>Grid 4 M4</b> <b>65.58 V/m</b>	<b>Grid 5 M4</b> <b>66.56 V/m</b>	<b>Grid 6 M4</b> <b>65.88 V/m</b>
<b>Grid 7 M4</b> <b>113.4 V/m</b>	<b>Grid 8 M4</b> <b>113.8 V/m</b>	<b>Grid 9 M4</b> <b>108.9 V/m</b>

**Cursor:**

Total = 113.8 V/m  
 E Category: M4  
 Location: 2, 77.5, 9.7 mm



0 dB = 113.8 V/m = 41.12 dBV/m

## HAC\_E\_Dipole\_1880\_140514

### DUT: HAC Dipole 1880 MHz

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

Medium: Air Medium parameters used:  $\sigma = 0$  S/m,  $\epsilon_r = 1$ ;  $\rho = 0$  kg/m<sup>3</sup>

Ambient Temperature : 23.2 °C

#### DASY5 Configuration

- Probe: ER3DV6 - SN2358; ConvF(1, 1, 1); Calibrated: 2014/1/30;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1279; Calibrated: 2014/1/30
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.9 (7117)

### E Scan - measurement distance from the probe sensor center to CD1880 = 10mm & 15mm/Hearing Aid Compatibility Test at 15mm distance (41x181x1): Interpolated grid:

dx=0.5000 mm, dy=0.5000 mm

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 142.0 V/m; Power Drift = -0.04 dB

PMF = 1.000 is applied.

E-field emissions = 90.17 V/m

Average value of Total=(90.17+88.61) / 2 = 89.39 V/m

#### PMF scaled E-field

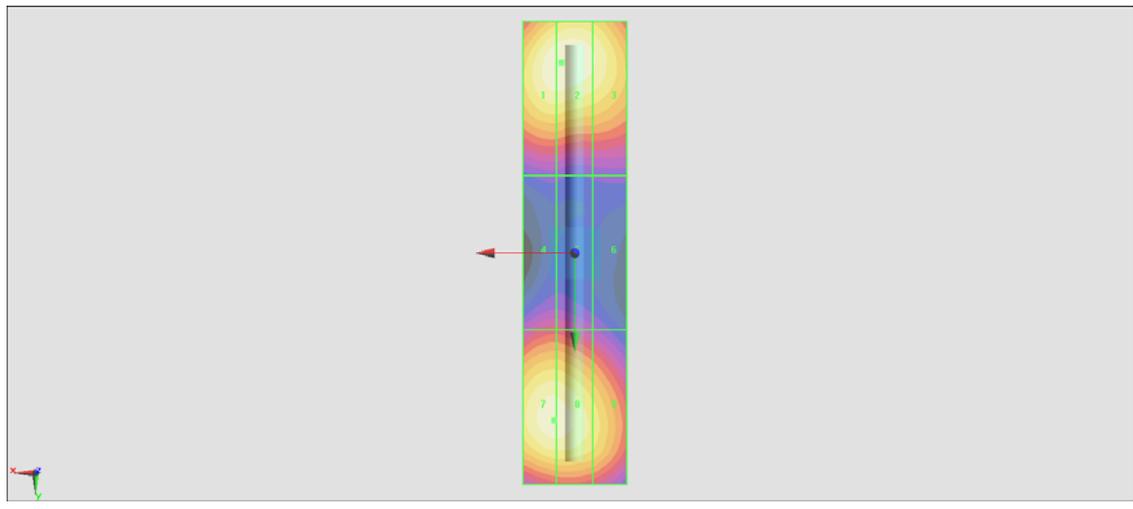
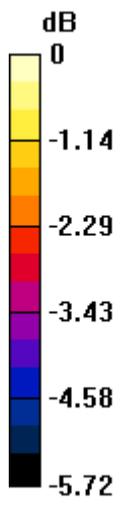
Grid 1 <b>M3</b> <b>89.85 V/m</b>	Grid 2 <b>M3</b> <b>90.17 V/m</b>	Grid 3 <b>M3</b> <b>86.90 V/m</b>
Grid 4 <b>M3</b> <b>65.13 V/m</b>	Grid 5 <b>M3</b> <b>65.08 V/m</b>	Grid 6 <b>M4</b> <b>59.43 V/m</b>
Grid 7 <b>M3</b> <b>88.72 V/m</b>	Grid 8 <b>M3</b> <b>88.61 V/m</b>	Grid 9 <b>M3</b> <b>81.59 V/m</b>

#### Cursor:

Total = 90.17 V/m

E Category: M3

Location: 2.5, -37, 9.7 mm



0 dB = 90.17 V/m = 39.10 dBV/m