

## HAC\_E\_Dipole\_835\_160408

### DUT: HAC-Dipole 835 MHz

Communication System: CW; Frequency: 835 MHz; Duty Cycle: 1:1  
 Medium: Air Medium parameters used:  $\sigma = 0 \text{ S/m}$ ,  $\epsilon_r = 1$ ;  $\rho = 0 \text{ kg/m}^3$   
 Ambient Temperature : 23.7 °C

#### DASY5 Configuration

- Probe: ER3DV6 - SN2358; ConvF(1, 1, 1); Calibrated: 2016/1/19;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn778; Calibrated: 2016/2/18
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

### 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 = 126.7 V/m; Power Drift = -0.11 dB

PMR not calibrated. PMF = 1.000 is applied.

E-field emissions = 110.8 V/m

Average value of Total=(110.5+110.8) / 2 = 110.65 V/m

PMF scaled E-field

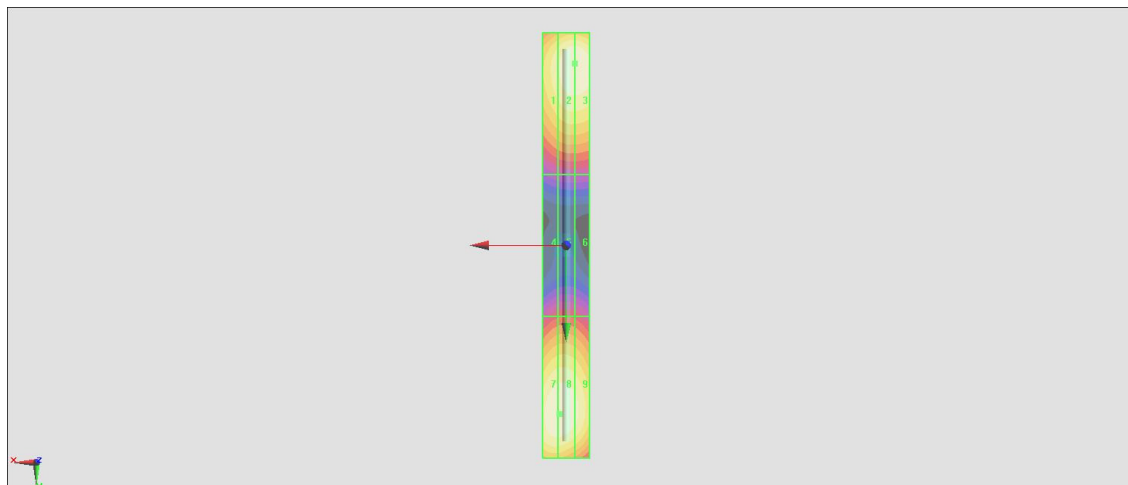
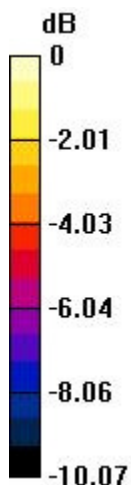
<b>Grid 1 M4</b> <b>101.8 V/m</b>	<b>Grid 2 M4</b> <b>110.5 V/m</b>	<b>Grid 3 M4</b> <b>110.5 V/m</b>
<b>Grid 4 M4</b> <b>63.66 V/m</b>	<b>Grid 5 M4</b> <b>64.48 V/m</b>	<b>Grid 6 M4</b> <b>63.18 V/m</b>
<b>Grid 7 M4</b> <b>110.7 V/m</b>	<b>Grid 8 M4</b> <b>110.8 V/m</b>	<b>Grid 9 M4</b> <b>106.0 V/m</b>

#### Cursor:

Total = 110.8 V/m

E Category: M4

Location: 3, 71.5, 9.7 mm



0 dB = 110.8 V/m = 40.89 dBV/m

## HAC\_E\_Dipole\_1880\_160408

### 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 : 23.7 °C

#### DASY5 Configuration

- Probe: ER3DV6 - SN2358; ConvF(1, 1, 1); Calibrated: 2016/1/19;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn778; Calibrated: 2016/2/18
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

**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 = 143.7 V/m; Power Drift = -0.07 dB  
 PMR not calibrated. PMF = 1.000 is applied.  
 E-field emissions = 88.98 V/m  
 Average value of Total=(86.31+88.98) / 2 = 87.645 V/m

PMF scaled E-field

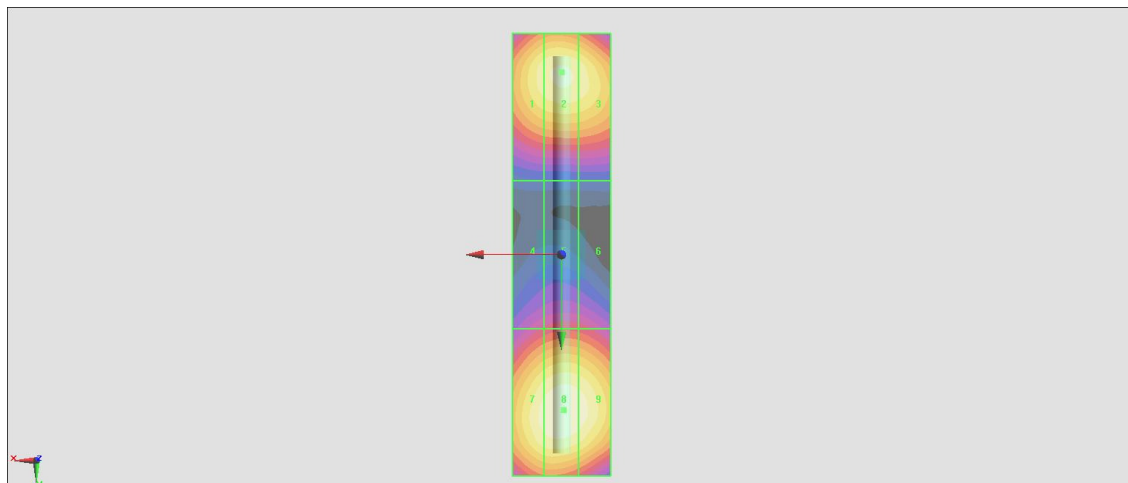
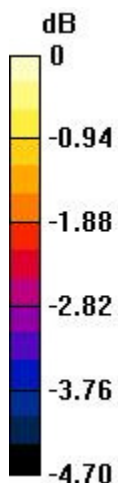
<b>Grid 1 M3</b> <b>84.88 V/m</b>	<b>Grid 2 M3</b> <b>86.31 V/m</b>	<b>Grid 3 M3</b> <b>85.10 V/m</b>
<b>Grid 4 M3</b> <b>67.21 V/m</b>	<b>Grid 5 M3</b> <b>68.68 V/m</b>	<b>Grid 6 M3</b> <b>68.17 V/m</b>
<b>Grid 7 M3</b> <b>87.22 V/m</b>	<b>Grid 8 M3</b> <b>88.98 V/m</b>	<b>Grid 9 M3</b> <b>87.76 V/m</b>

**Cursor:**

Total = 88.98 V/m

E Category: M3

Location: -0.5, 31.5, 9.7 mm



0 dB = 88.98 V/m = 38.99 dBV/m