

## HAC\_E\_Dipole\_835\_160426

### 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 : 23.3 °C

#### DASY5 Configuration

- Probe: ER3DV6 - SN2358; ConvF(1, 1, 1); Calibrated: 2016/1/19;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1399; Calibrated: 2015/11/23
- 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 = 123.6 V/m; Power Drift = -0.09 dB

PMR not calibrated. PMF = 1.000 is applied.

E-field emissions = 118.2 V/m

**Average value of Total=(118.2+105.7) / 2 = 111.95 V/m**

PMF scaled E-field

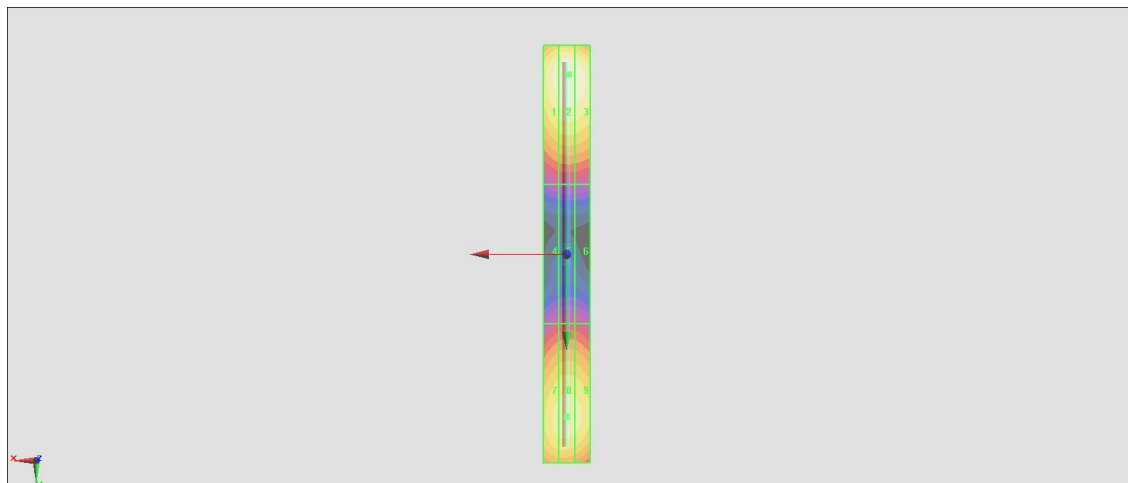
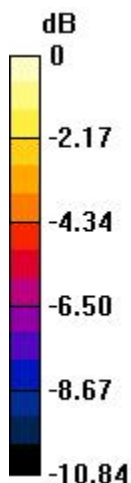
<b>Grid 1 M4</b> <b>114.1 V/m</b>	<b>Grid 2 M4</b> <b>118.2 V/m</b>	<b>Grid 3 M4</b> <b>116.9 V/m</b>
<b>Grid 4 M4</b> <b>61.28 V/m</b>	<b>Grid 5 M4</b> <b>62.82 V/m</b>	<b>Grid 6 M4</b> <b>62.17 V/m</b>
<b>Grid 7 M4</b> <b>104.0 V/m</b>	<b>Grid 8 M4</b> <b>105.7 V/m</b>	<b>Grid 9 M4</b> <b>104.3 V/m</b>

#### Cursor:

Total = 118.2 V/m

E Category: M4

Location: -1, -77.5, 9.7 mm



0 dB = 118.2 V/m = 41.45 dBV/m

## HAC\_E\_Dipole\_1880\_160426

### 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 : 23.3 °C

#### DASY5 Configuration

- Probe: ER3DV6 - SN2358; ConvF(1, 1, 1); Calibrated: 2016/1/19;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1399; Calibrated: 2015/11/23
- 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 = 135.6 V/m; Power Drift = -0.02 dB

PMR not calibrated. PMF = 1.000 is applied.

E-field emissions = 90.65 V/m

**Average value of Total=(90.65+87.91) / 2 = 89.28 V/m**

PMF scaled E-field

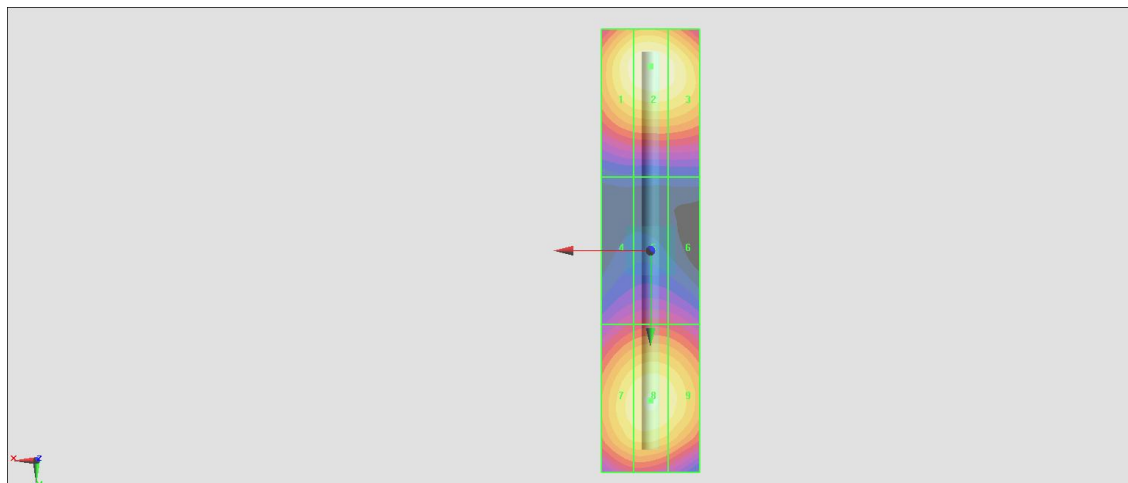
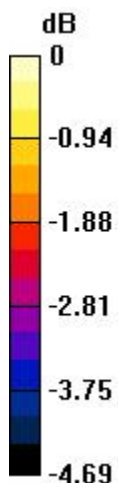
Grid 1 <b>M3</b> <b>88.97 V/m</b>	Grid 2 <b>M3</b> <b>90.65 V/m</b>	Grid 3 <b>M3</b> <b>89.11 V/m</b>
Grid 4 <b>M3</b> <b>68.62 V/m</b>	Grid 5 <b>M3</b> <b>69.84 V/m</b>	Grid 6 <b>M3</b> <b>69.31 V/m</b>
Grid 7 <b>M3</b> <b>86.23 V/m</b>	Grid 8 <b>M3</b> <b>87.91 V/m</b>	Grid 9 <b>M3</b> <b>86.30 V/m</b>

**Cursor:**

Total = 90.65 V/m

E Category: M3

Location: 0, -37.5, 9.7 mm



0 dB = 90.65 V/m = 39.15 dBV/m