

## HAC\_E\_Dipole\_835

### 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 : 23.4 °C

#### DASY5 Configuration

- Probe: ER3DV6 - SN2358; ConvF(1, 1, 1); Calibrated: 2016/1/19;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1388; Calibrated: 2016/10/10
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7373)

### 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 = 123.3 V/m; Power Drift = -0.02 dB

PMR not calibrated. PMF = 1.000 is applied.

E-field emissions = 111.1 V/m

Average value of Total=(111.6+108.3) / 2 = 109.95 V/m

#### PMF scaled E-field

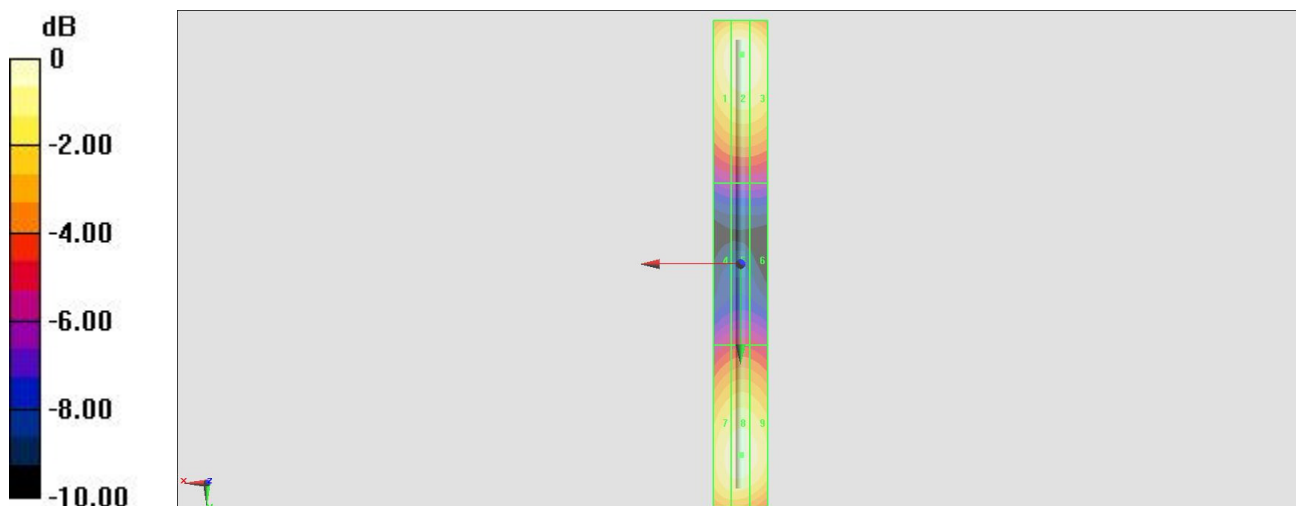
<b>Grid 1 M4</b> <b>108.0 V/m</b>	<b>Grid 2 M4</b> <b>111.6 V/m</b>	<b>Grid 3 M4</b> <b>109.8 V/m</b>
<b>Grid 4 M4</b> <b>62.62 V/m</b>	<b>Grid 5 M4</b> <b>64.25 V/m</b>	<b>Grid 6 M4</b> <b>63.35 V/m</b>
<b>Grid 7 M4</b> <b>106.5 V/m</b>	<b>Grid 8 M4</b> <b>108.3 V/m</b>	<b>Grid 9 M4</b> <b>106.7 V/m</b>

#### Cursor:

Total = 111.1 V/m

E Category: M4

Location: -0.5, -77.5, 9.7 mm



0 dB = 111.1 V/m = 40.91 dBV/m

## HAC\_E\_Dipole\_1880

### 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 : 23.4 °C

#### DASY5 Configuration

- Probe: ER3DV6 - SN2358; ConvF(1, 1, 1); Calibrated: 2016/1/19;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1388; Calibrated: 2016/10/10
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7373)

### 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 = 145.2 V/m; Power Drift = 0.01 dB

PMR not calibrated. PMF = 1.000 is applied.

E-field emissions = 87.44 V/m

Average value of Total=(87.44+83.24) / 2 = 85.34 V/m

PMF scaled E-field

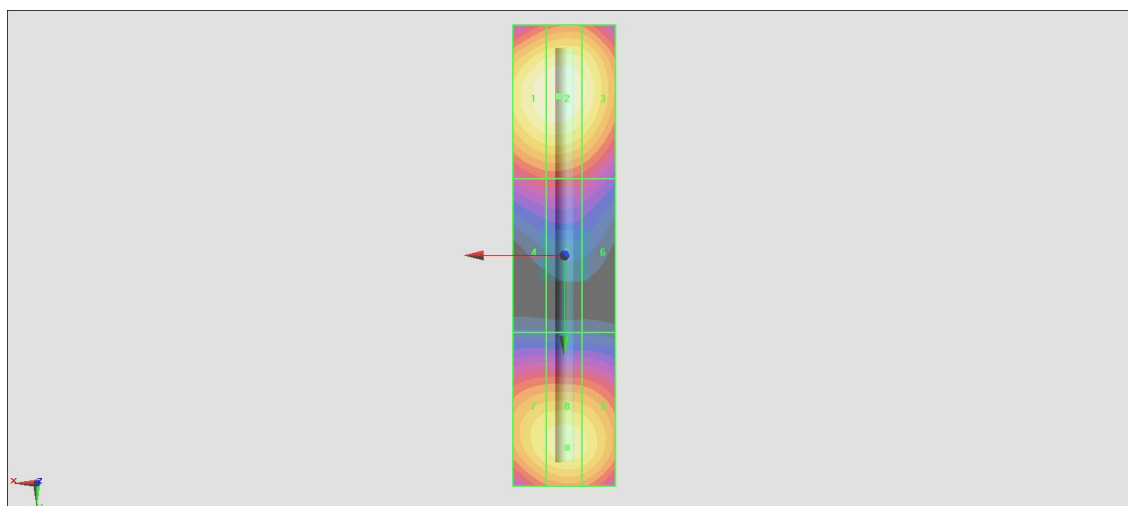
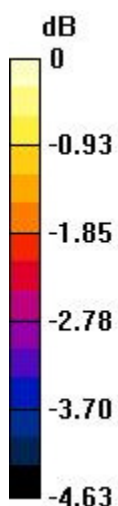
<b>Grid 1 M3</b> <b>86.77 V/m</b>	<b>Grid 2 M3</b> <b>87.44 V/m</b>	<b>Grid 3 M3</b> <b>85.00 V/m</b>
<b>Grid 4 M3</b> <b>68.34 V/m</b>	<b>Grid 5 M3</b> <b>68.53 V/m</b>	<b>Grid 6 M3</b> <b>66.72 V/m</b>
<b>Grid 7 M3</b> <b>81.88 V/m</b>	<b>Grid 8 M3</b> <b>83.24 V/m</b>	<b>Grid 9 M3</b> <b>82.23 V/m</b>

#### Cursor:

Total = 87.44 V/m

E Category: M3

Location: 1, -31, 9.7 mm



0 dB = 87.44 V/m = 38.83 dBV/m