

## HAC\_E\_Dipole\_835\_140325

### 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 : 23.6 °C

#### DASY5 Configuration:

- Probe: ER3DV6 - SN2358; ConvF(1, 1, 1); Calibrated: 2014/1/30;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn778; Calibrated: 2013/8/21
- 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 = 115.2 V/m; Power Drift = 0.01 dB

PMR not calibrated. PMF = 1.000 is applied.

E-field emissions = 114.1 V/m

Average value of Total=(114.1+113.6) / 2 = 113.85 V/m

#### PMF scaled E-field

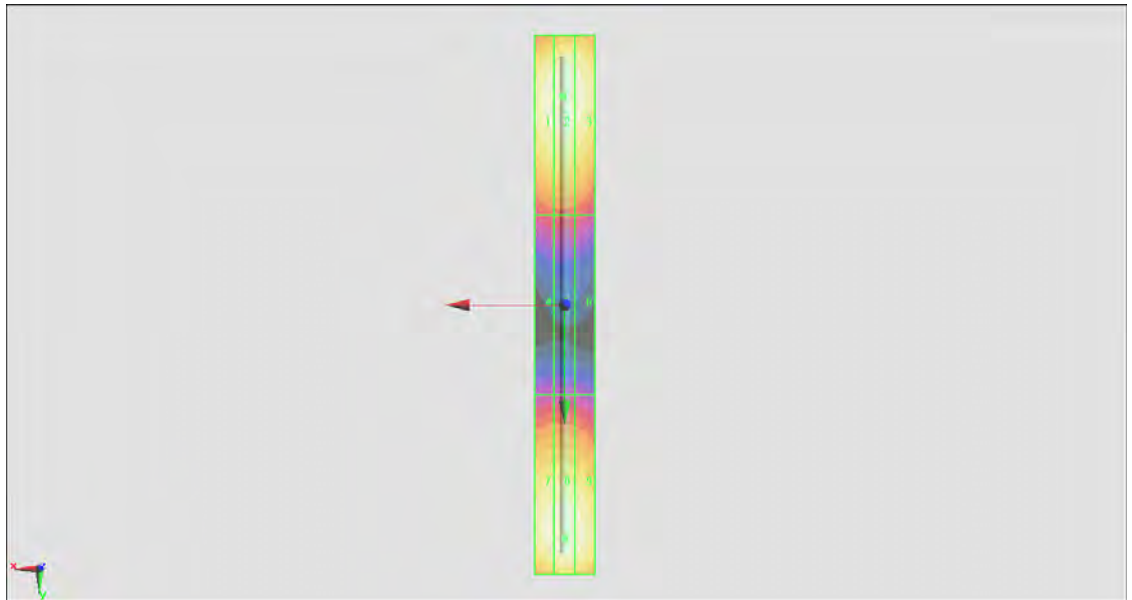
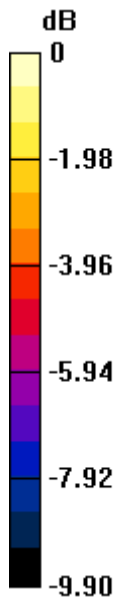
<b>Grid 1 M4</b> <b>112.5 V/m</b>	<b>Grid 2 M4</b> <b>114.1 V/m</b>	<b>Grid 3 M4</b> <b>111.9 V/m</b>
<b>Grid 4 M4</b> <b>69.06 V/m</b>	<b>Grid 5 M4</b> <b>69.63 V/m</b>	<b>Grid 6 M4</b> <b>68.01 V/m</b>
<b>Grid 7 M4</b> <b>111.9 V/m</b>	<b>Grid 8 M4</b> <b>113.6 V/m</b>	<b>Grid 9 M4</b> <b>111.2 V/m</b>

#### Cursor:

Total = 114.1 V/m

E Category: M4

Location: 0.5, -69.5, 9.7 mm



0 dB = 114.1 V/m = 41.15 dBV/m

## HAC\_E\_Dipole\_1880\_140325

### 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 : 23.5 °C

#### DASY5 Configuration:

- Probe: ER3DV6 - SN2358; ConvF(1, 1, 1); Calibrated: 2014/1/30;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn778; Calibrated: 2013/8/21
- 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 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 = 87.53 V/m

Average value of Total=(87.53+83.33) / 2 = 85.43 V/m

#### PMF scaled E-field

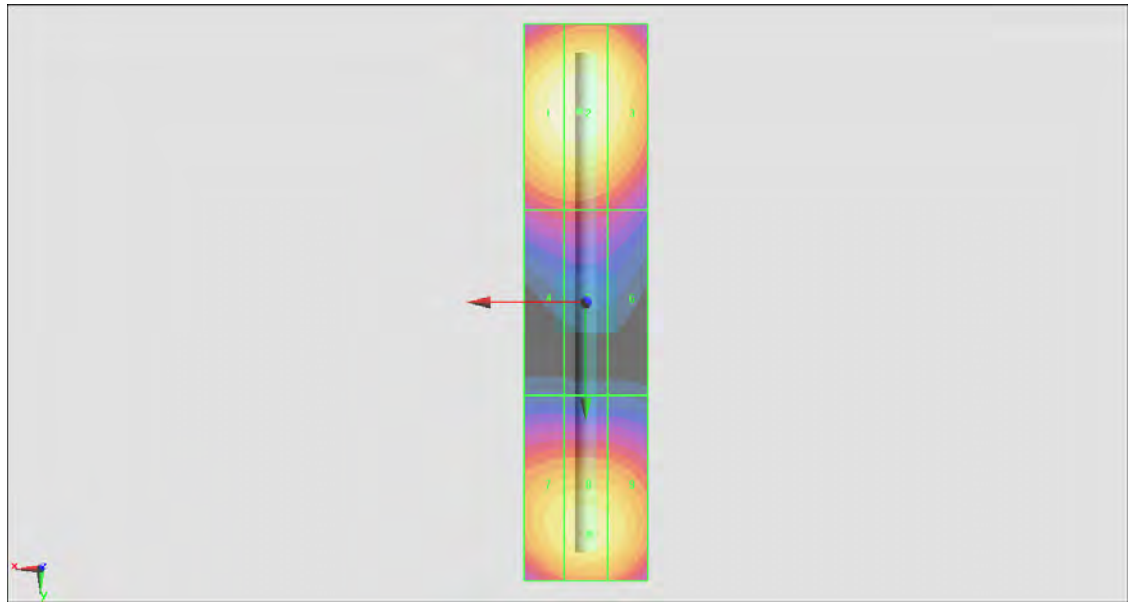
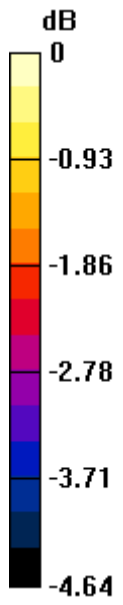
<b>Grid 1 M3</b> <b>86.86 V/m</b>	<b>Grid 2 M3</b> <b>87.53 V/m</b>	<b>Grid 3 M3</b> <b>85.09 V/m</b>
<b>Grid 4 M3</b> <b>68.42 V/m</b>	<b>Grid 5 M3</b> <b>68.60 V/m</b>	<b>Grid 6 M3</b> <b>66.80 V/m</b>
<b>Grid 7 M3</b> <b>81.97 V/m</b>	<b>Grid 8 M3</b> <b>83.33 V/m</b>	<b>Grid 9 M3</b> <b>82.32 V/m</b>

#### Cursor:

Total = 87.53 V/m

E Category: M3

Location: 1, -31, 9.7 mm



0 dB = 87.53 V/m = 38.84 dBV/m