

## HAC\_E\_Dipole\_835\_140530

### 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 Sn914; Calibrated: 2013/12/18
- 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 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 = 109.5 V/m; Power Drift = 0.02 dB

PMR not calibrated. PMF = 1.000 is applied.

E-field emissions = 105.7 V/m

Average value of Total=(105.7+101.9) / 2 = 103.8 V/m

PMF scaled E-field

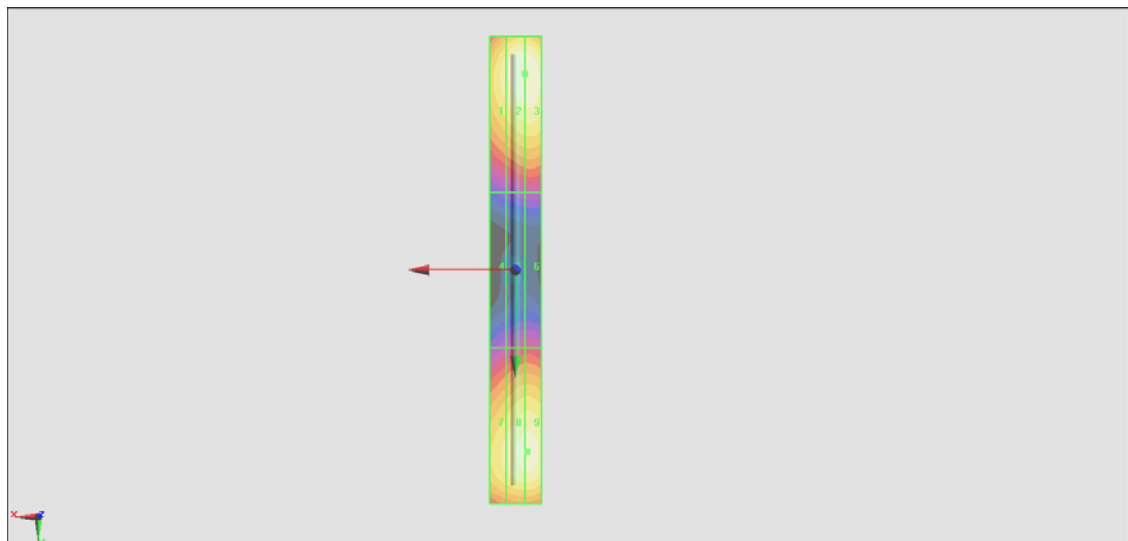
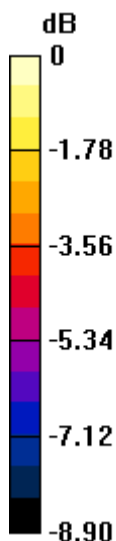
Grid 1 <b>M4</b> <b>97.55 V/m</b>	Grid 2 <b>M4</b> <b>105.7 V/m</b>	Grid 3 <b>M4</b> <b>105.7 V/m</b>
Grid 4 <b>M4</b> <b>57.77 V/m</b>	Grid 5 <b>M4</b> <b>62.54 V/m</b>	Grid 6 <b>M4</b> <b>62.67 V/m</b>
Grid 7 <b>M4</b> <b>94.82 V/m</b>	Grid 8 <b>M4</b> <b>101.9 V/m</b>	Grid 9 <b>M4</b> <b>102.2 V/m</b>

#### Cursor:

Total = 105.7 V/m

E Category: M4

Location: -3.5, -75.5, 9.7 mm



$$0 \text{ dB} = 105.7 \text{ V/m} = 40.48 \text{ dBV/m}$$

**HAC\_E\_Dipole\_835\_140812**

**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 Sn1425; Calibrated: 2014/3/3
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

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

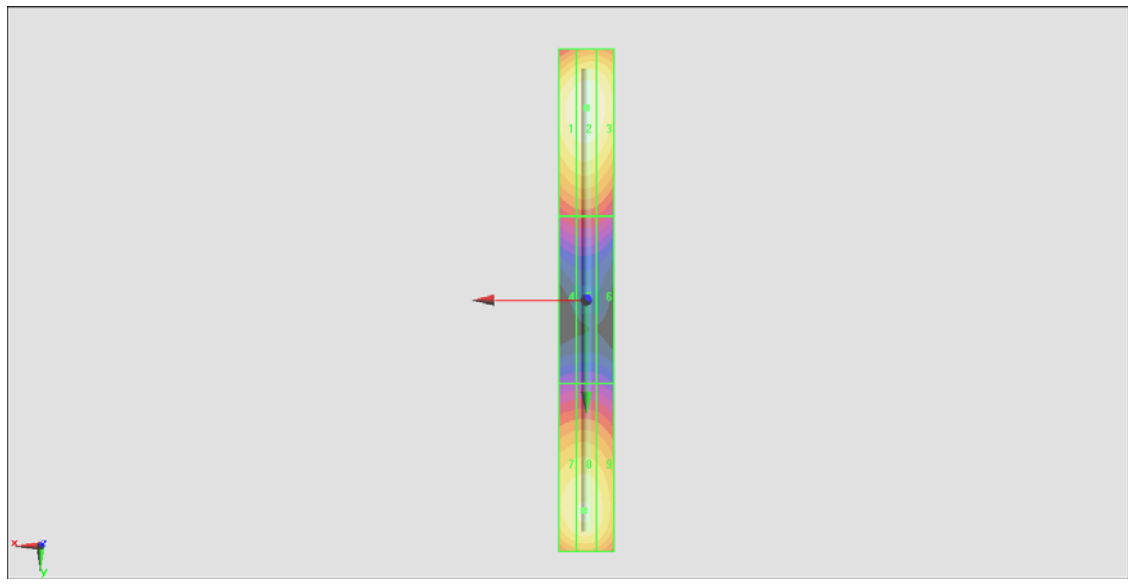
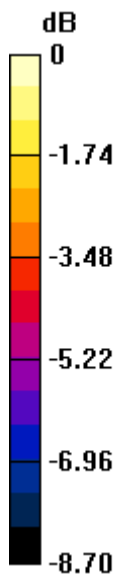
dx=0.5000 mm, dy=0.5000 mm  
 Device Reference Point: 0, 0, -6.3 mm  
 Reference Value = 108.8 V/m; Power Drift = 0.11 dB  
 PMF = 1.000 is applied.  
 E-field emissions = 111.8 V/m  
 Average value of Total=(112+105) / 2 = 108.5 V/m

PMF scaled E-field

<b>Grid 1 M4</b> <b>110.2 V/m</b>	<b>Grid 2 M4</b> <b>111.8 V/m</b>	<b>Grid 3 M4</b> <b>109.9 V/m</b>
<b>Grid 4 M4</b> <b>71.11 V/m</b>	<b>Grid 5 M4</b> <b>71.79 V/m</b>	<b>Grid 6 M4</b> <b>70.06 V/m</b>
<b>Grid 7 M4</b> <b>104.7 V/m</b>	<b>Grid 8 M4</b> <b>105.4 V/m</b>	<b>Grid 9 M4</b> <b>102.3 V/m</b>

**Cursor:**

Total = 111.8 V/m  
 E Category: M4  
 Location: 0, -69, 9.7 mm



0 dB = 111.8 V/m = 40.97 dBV/m

## HAC\_E\_Dipole\_1880\_140530

### 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 : 23.6 °C

#### DASY5 Configuration

- Probe: ER3DV6 - SN2358; ConvF(1, 1, 1); Calibrated: 2014/1/30;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn914; Calibrated: 2013/12/18
- 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 = 122.8 V/m; Power Drift = -0.01 dB

PMR not calibrated. PMF = 1.000 is applied.

E-field emissions = 88.30 V/m

Average value of Total=(88.3+85.44) / 2 = 86.87 V/m

PMF scaled E-field

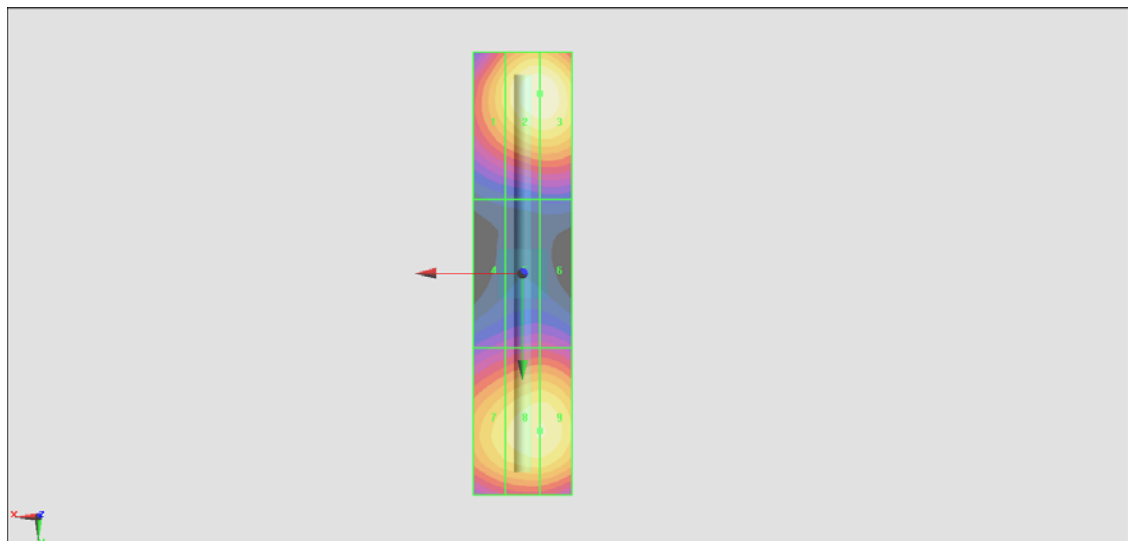
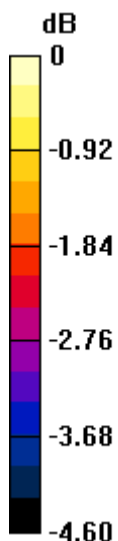
Grid 1 <b>M3</b> <b>80.74 V/m</b>	Grid 2 <b>M3</b> <b>88.30 V/m</b>	Grid 3 <b>M3</b> <b>88.30 V/m</b>
Grid 4 <b>M3</b> <b>63.70 V/m</b>	Grid 5 <b>M3</b> <b>65.95 V/m</b>	Grid 6 <b>M3</b> <b>65.95 V/m</b>
Grid 7 <b>M3</b> <b>82.11 V/m</b>	Grid 8 <b>M3</b> <b>85.44 V/m</b>	Grid 9 <b>M3</b> <b>85.44 V/m</b>

#### Cursor:

Total = 88.30 V/m

E Category: M3

Location: -3.5, -36.5, 9.7 mm



$$0 \text{ dB} = 88.30 \text{ V/m} = 38.92 \text{ dBV/m}$$

## HAC\_E\_Dipole\_1880\_140812

### 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 : 23.6 °C

#### DASY5 Configuration

- Probe: ER3DV6 - SN2358; ConvF(1, 1, 1); Calibrated: 2014/1/30;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1425; Calibrated: 2014/3/3
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

### 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 = 147.7 V/m; Power Drift = -0.01 dB

PMF = 1.000 is applied.

E-field emissions = 87.58 V/m

Average value of Total=(87.6+82.4) / 2 = 85 V/m

#### PMF scaled E-field

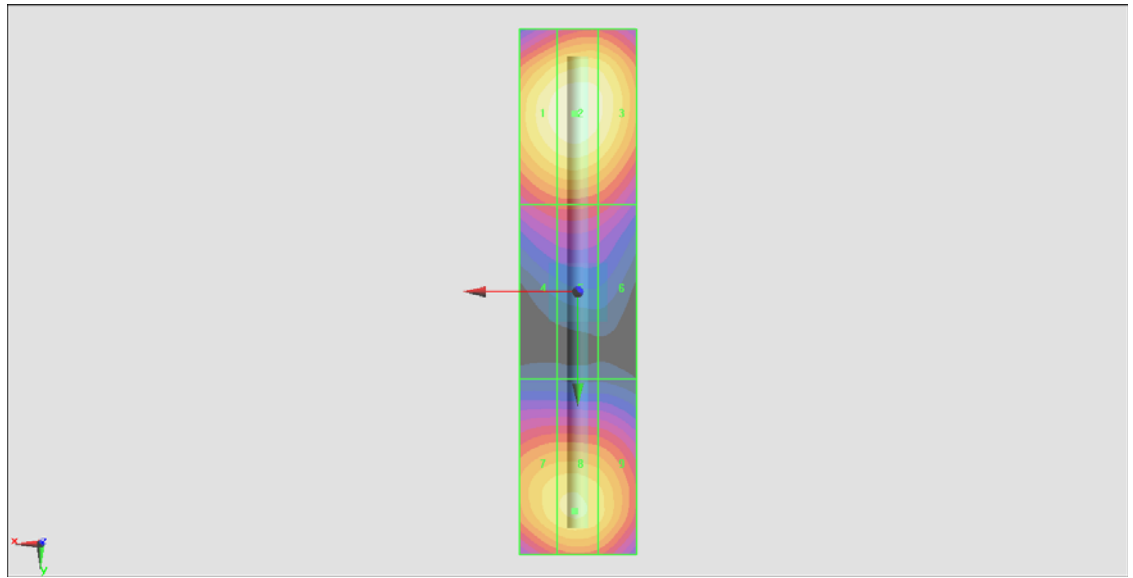
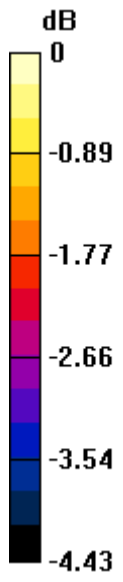
<b>Grid 1 M3</b> <b>86.19 V/m</b>	<b>Grid 2 M3</b> <b>87.58 V/m</b>	<b>Grid 3 M3</b> <b>85.51 V/m</b>
<b>Grid 4 M3</b> <b>69.91 V/m</b>	<b>Grid 5 M3</b> <b>70.21 V/m</b>	<b>Grid 6 M3</b> <b>69.05 V/m</b>
<b>Grid 7 M3</b> <b>81.57 V/m</b>	<b>Grid 8 M3</b> <b>82.43 V/m</b>	<b>Grid 9 M3</b> <b>80.55 V/m</b>

#### Cursor:

Total = 87.58 V/m

E Category: M3

Location: 0.5, -30.5, 9.7 mm



0 dB = 87.58 V/m = 38.85 dBV/m