

## HAC\_E\_Dipole\_835\_150122

### 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 : 23.5 °C

#### DASY5 Configuration

- Probe: ER3DV6 - SN2302; ConvF(1, 1, 1); Calibrated: 2014/6/18;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE3 Sn495; Calibrated: 2014/5/19
- 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 = 135.6 V/m; Power Drift = -0.18 dB

PMR not calibrated. PMF = 1.000 is applied.

E-field emissions = 111.9 V/m

Average value of Total=(111.6+110.2) / 2 = 110.9 V/m

PMF scaled E-field

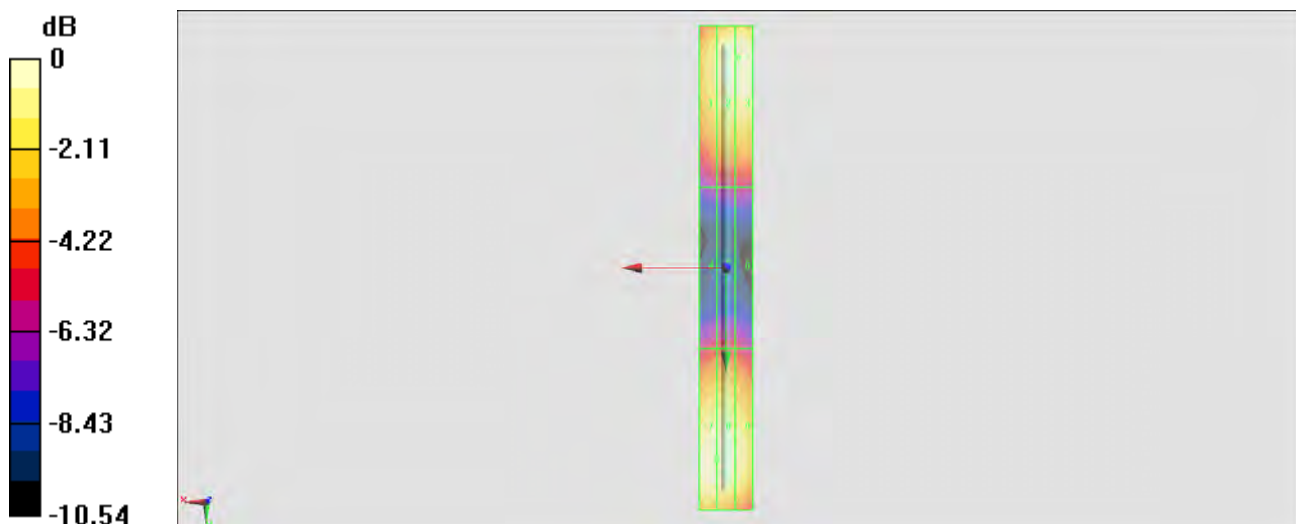
<b>Grid 1 M4</b> <b>100.3 V/m</b>	<b>Grid 2 M4</b> <b>111.6 V/m</b>	<b>Grid 3 M4</b> <b>111.9 V/m</b>
<b>Grid 4 M4</b> <b>63.54 V/m</b>	<b>Grid 5 M4</b> <b>64.31 V/m</b>	<b>Grid 6 M4</b> <b>62.39 V/m</b>
<b>Grid 7 M4</b> <b>110.2 V/m</b>	<b>Grid 8 M4</b> <b>110.2 V/m</b>	<b>Grid 9 M4</b> <b>104.5 V/m</b>

#### Cursor:

Total = 111.9 V/m

E Category: M4

Location: -4.5, -78, 9.7 mm



$$0 \text{ dB} = 111.9 \text{ V/m} = 40.98 \text{ dBV/m}$$

## HAC\_E\_Dipole\_1880\_150122

### 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 - SN2302; ConvF(1, 1, 1); Calibrated: 2014/6/18;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE3 Sn495; Calibrated: 2014/5/19
- 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 = 150.6 V/m; Power Drift = -0.00 dB

PMR not calibrated. PMF = 1.000 is applied.

E-field emissions = 91.67 V/m

Average value of Total=(88.04+91.67) / 2 = 89.855 V/m

#### PMF scaled E-field

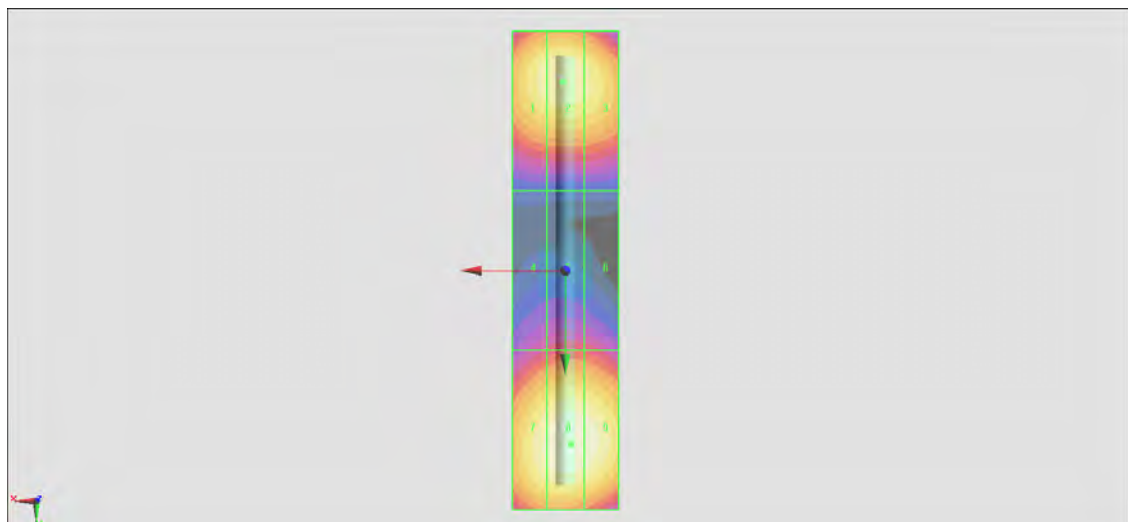
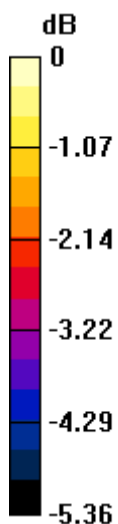
Grid 1 <b>M3</b> <b>86.94 V/m</b>	Grid 2 <b>M3</b> <b>88.04 V/m</b>	Grid 3 <b>M3</b> <b>86.33 V/m</b>
Grid 4 <b>M3</b> <b>66.55 V/m</b>	Grid 5 <b>M3</b> <b>68.87 V/m</b>	Grid 6 <b>M3</b> <b>68.45 V/m</b>
Grid 7 <b>M3</b> <b>88.98 V/m</b>	Grid 8 <b>M3</b> <b>91.67 V/m</b>	Grid 9 <b>M3</b> <b>90.97 V/m</b>

#### Cursor:

Total = 91.67 V/m

E Category: M3

Location: -1, 32.5, 9.7 mm



$$0 \text{ dB} = 91.67 \text{ V/m} = 39.24 \text{ dBV/m}$$