

# 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 : 23.5 °C

### DASY5 Configuration:

- Probe: ER3DV6 - SN2358; ConvF(1, 1, 1); Calibrated: 2018/1/19;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn853; Calibrated: 2017/7/19
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.10 (0); SEMCAD X Version 14.6.10 (7417)

### 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 = 130.0 V/m; Power Drift = 0.00 dB

PMR not calibrated. PMF = 1.000 is applied.

E-field emissions = 112.5 V/m

Average value of Total=(109.8+112.5) / 2 = 111.15 V/m

### PMF scaled E-field

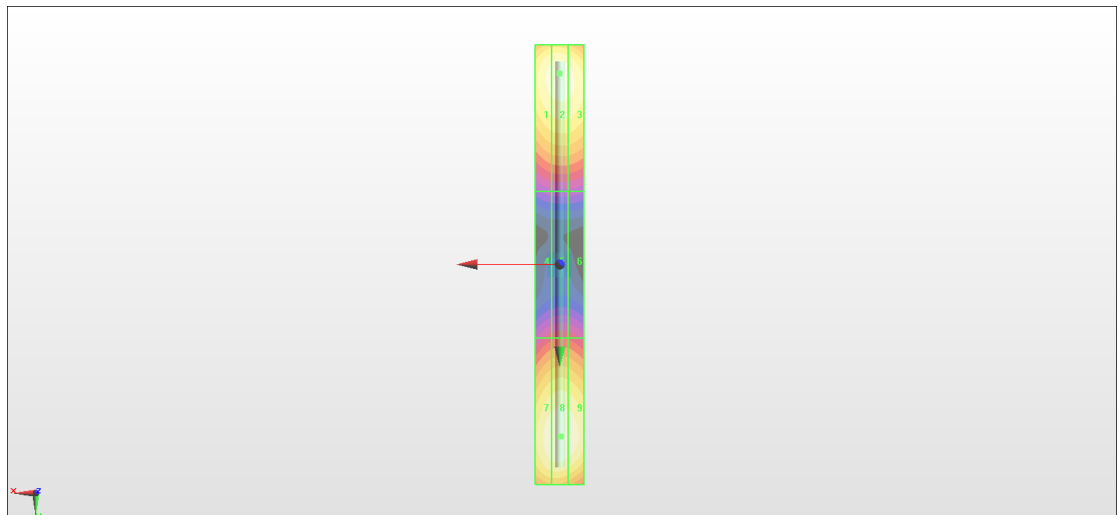
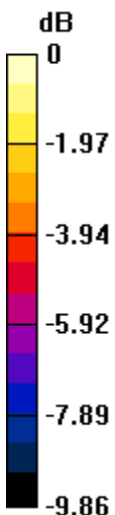
Grid 1 <b>M4</b> <b>107.9 V/m</b>	Grid 2 <b>M4</b> <b>109.8 V/m</b>	Grid 3 <b>M4</b> <b>107.8 V/m</b>
Grid 4 <b>M4</b> <b>64.48 V/m</b>	Grid 5 <b>M4</b> <b>65.92 V/m</b>	Grid 6 <b>M4</b> <b>65.09 V/m</b>
Grid 7 <b>M4</b> <b>110.5 V/m</b>	Grid 8 <b>M4</b> <b>112.5 V/m</b>	Grid 9 <b>M4</b> <b>111.0 V/m</b>

### Cursor:

Total = 112.5 V/m

E Category: M4

Location: -0.5, 70.5, 9.7 mm



0 dB = 112.5 V/m = 41.02 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 : 23.5 °C

DASY5 Configuration:

- Probe: ER3DV6 - SN2358; ConvF(1, 1, 1); Calibrated: 2018/1/19;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn853; Calibrated: 2017/7/19
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.10 (0); SEMCAD X Version 14.6.10 (7417)

### 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 = 151.2 V/m; Power Drift = 0.01 dB

PMR not calibrated. PMF = 1.000 is applied.

E-field emissions = 86.54 V/m

Average value of Total=(86.54+85.09) / 2 = 85.815 V/m

PMF scaled E-field

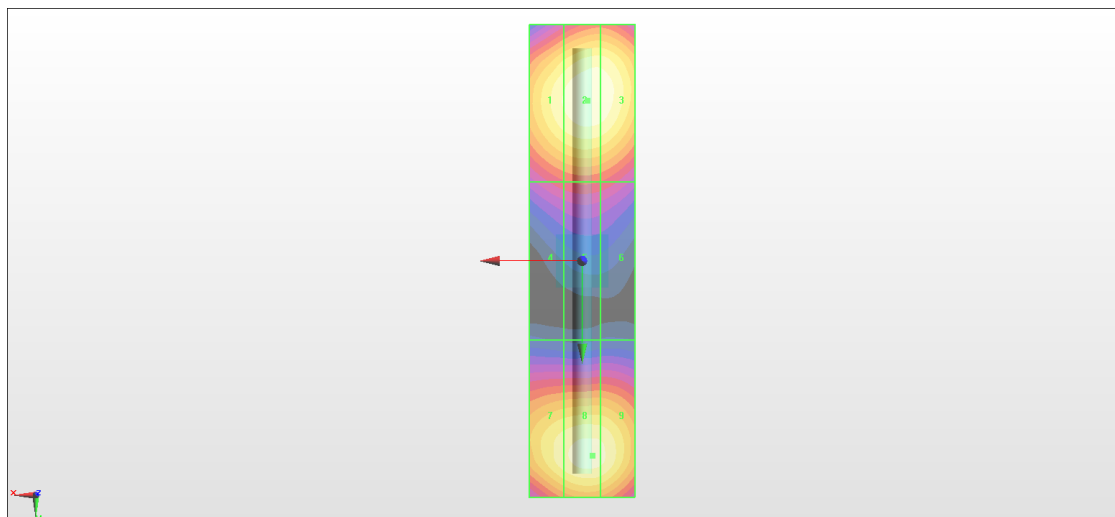
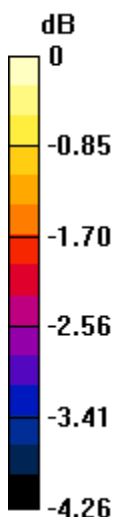
Grid 1 <b>M3</b> <b>84.08 V/m</b>	Grid 2 <b>M3</b> <b>86.54 V/m</b>	Grid 3 <b>M3</b> <b>86.14 V/m</b>
Grid 4 <b>M3</b> <b>68.51 V/m</b>	Grid 5 <b>M3</b> <b>69.52 V/m</b>	Grid 6 <b>M3</b> <b>68.79 V/m</b>
Grid 7 <b>M3</b> <b>83.09 V/m</b>	Grid 8 <b>M3</b> <b>85.09 V/m</b>	Grid 9 <b>M3</b> <b>84.60 V/m</b>

**Cursor:**

Total = 86.54 V/m

E Category: M3

Location: -1, -30.5, 9.7 mm



0 dB = 86.54 V/m = 38.74 dBV/m

## HAC\_E\_Dipole\_2600

### DUT: HAC Dipole 2600 MHz

Communication System: CW ; Frequency: 2600 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: 2018/1/19;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn853; Calibrated: 2017/7/19
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.10 (0); SEMCAD X Version 14.6.10 (7417)

### E Scan - measurement distance from the probe sensor center to CD2600 = 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 = 72.50 V/m; Power Drift = 0.01 dB

PMR not calibrated. PMF = 1.000 is applied.

E-field emissions = 92.18 V/m

Average value of Total=(84.26+92.18) / 2 = 88.22 V/m

PMF scaled E-field

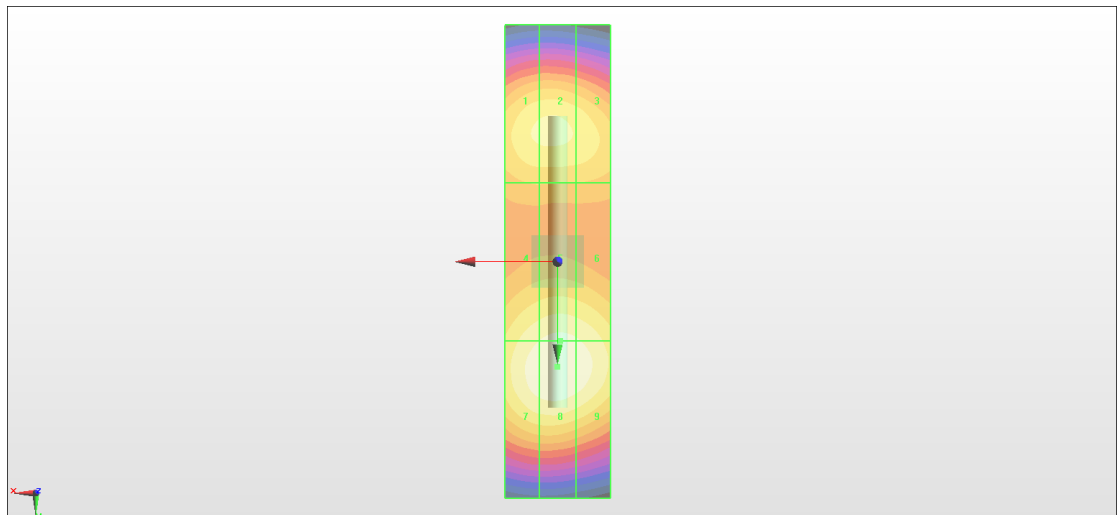
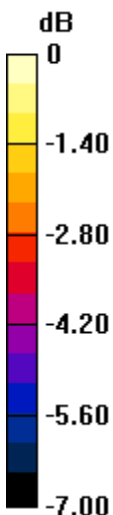
Grid 1 <b>M3</b> <b>83.74 V/m</b>	Grid 2 <b>M3</b> <b>84.26 V/m</b>	Grid 3 <b>M3</b> <b>82.47 V/m</b>
Grid 4 <b>M3</b> <b>87.38 V/m</b>	Grid 5 <b>M3</b> <b>89.07 V/m</b>	Grid 6 <b>M3</b> <b>88.03 V/m</b>
Grid 7 <b>M3</b> <b>90.58 V/m</b>	Grid 8 <b>M3</b> <b>92.18 V/m</b>	Grid 9 <b>M3</b> <b>90.76 V/m</b>

**Cursor:**

Total = 92.18 V/m

E Category: M3

Location: 0, 20, 9.7 mm



0 dB = 92.18 V/m = 39.29 dBV/m