

## 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: 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

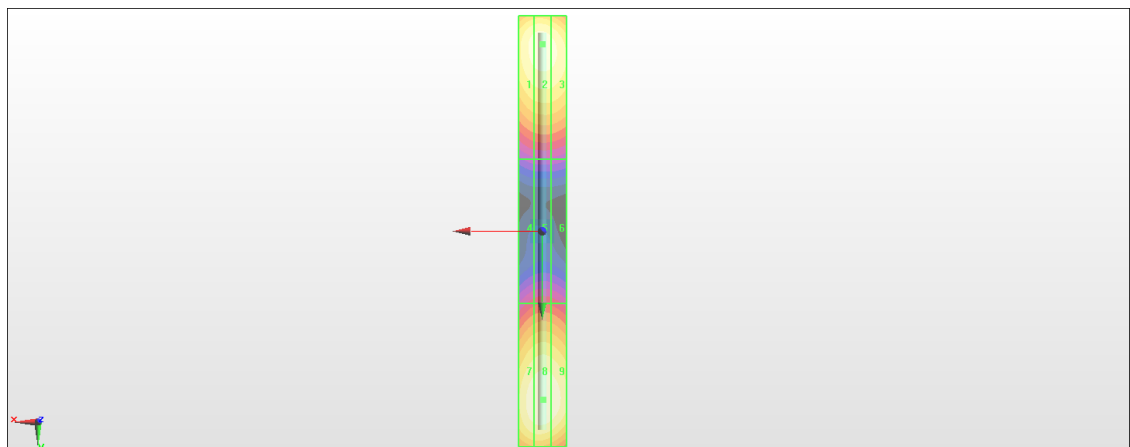
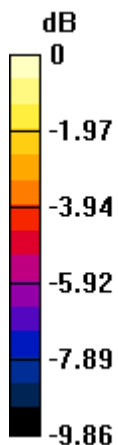
Grid 1 <b>M4</b> <b>107.9 V/m</b>	Grid 2 <b>M4</b> <b>109.8 V/m</b>	Grid 3 <b>M4</b> <b>107.8 V/m</b>
Grid 4 <b>M4</b> <b>64.48 V/m</b>	Grid 5 <b>M4</b> <b>65.92 V/m</b>	Grid 6 <b>M4</b> <b>65.09 V/m</b>
Grid 7 <b>M4</b> <b>110.5 V/m</b>	Grid 8 <b>M4</b> <b>112.5 V/m</b>	Grid 9 <b>M4</b> <b>111.0 V/m</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 : 23.4 °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 = 147.3 V/m; Power Drift = 0.03 dB

PMR not calibrated. PMF = 1.000 is applied.

E-field emissions = 94.62 V/m

Average value of Total=(88.84+94.62) / 2 = 91.73 V/m

PMF scaled E-field

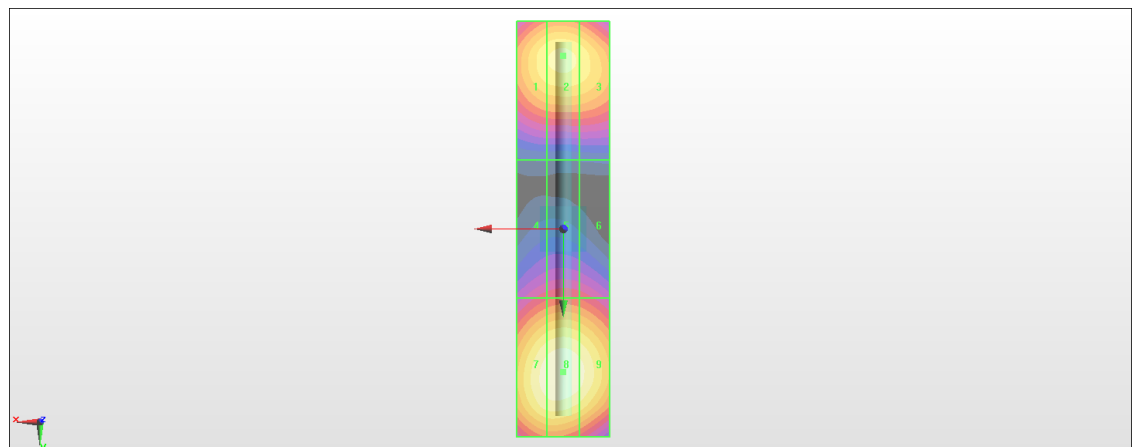
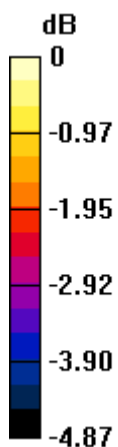
Grid 1 <b>M3</b> <b>87.64 V/m</b>	Grid 2 <b>M3</b> <b>88.84 V/m</b>	Grid 3 <b>M3</b> <b>87.25 V/m</b>
Grid 4 <b>M3</b> <b>72.43 V/m</b>	Grid 5 <b>M3</b> <b>73.63 V/m</b>	Grid 6 <b>M3</b> <b>72.70 V/m</b>
Grid 7 <b>M3</b> <b>93.25 V/m</b>	Grid 8 <b>M3</b> <b>94.62 V/m</b>	Grid 9 <b>M3</b> <b>92.43 V/m</b>

**Cursor:**

Total = 94.62 V/m

E Category: M3

Location: 0, 31, 9.7 mm



0 dB = 94.62 V/m = 39.52 dBV/m

## HAC\_E\_Dipole\_2450

### DUT: HAC Dipole 2450 MHz

Communication System: CW; Frequency: 2450 MHz

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: EF3DV3 - SN4047; ConvF(1, 1, 1); Calibrated: 2018/1/8;
- 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 CD2450 = 10mm & 15mm  
2/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 = 82.30 V/m; Power Drift = 0.01 dB

PMR not calibrated. PMF = 1.000 is applied.

E-field emissions = 92.59 V/m

Average value of Total=(91.52+92.59) / 2 = 92.055 V/m

PMF scaled E-field

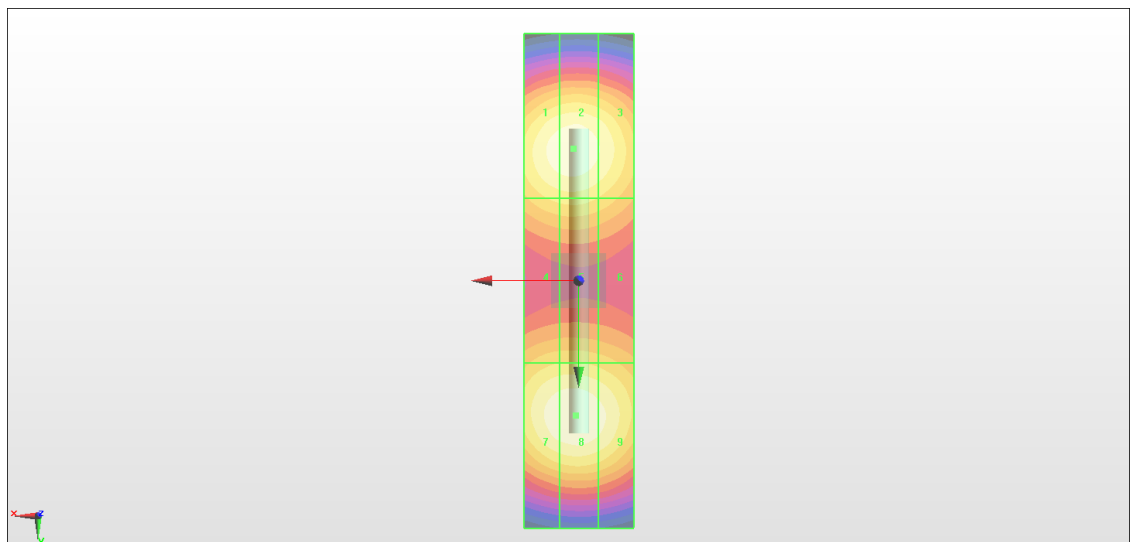
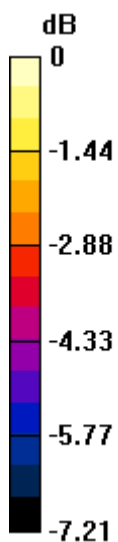
Grid 1 <b>M3</b> <b>90.57 V/m</b>	Grid 2 <b>M3</b> <b>91.52 V/m</b>	Grid 3 <b>M3</b> <b>88.08 V/m</b>
Grid 4 <b>M3</b> <b>80.10 V/m</b>	Grid 5 <b>M3</b> <b>80.77 V/m</b>	Grid 6 <b>M3</b> <b>78.27 V/m</b>
Grid 7 <b>M3</b> <b>91.48 V/m</b>	Grid 8 <b>M3</b> <b>92.59 V/m</b>	Grid 9 <b>M3</b> <b>89.66 V/m</b>

**Cursor:**

Total = 92.59 V/m

E Category: M3

Location: 0.5, 24.5, 8.7 mm



0 dB = 92.59 V/m = 39.33 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 : 23.4 °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 = 76.25 V/m; Power Drift = 0.03 dB

PMR not calibrated. PMF = 1.000 is applied.

E-field emissions = 96.43 V/m

Average value of Total=(87.94+96.43) / 2 = 92.185 V/m

PMF scaled E-field

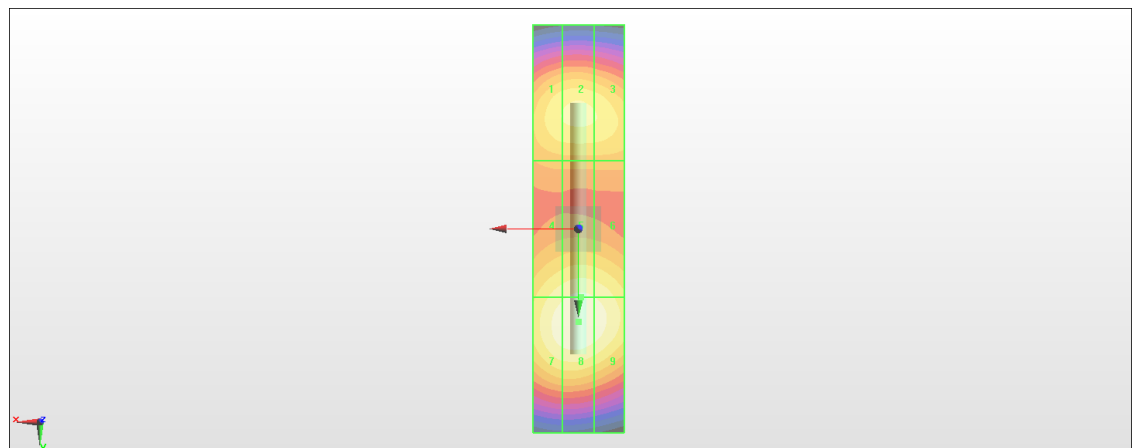
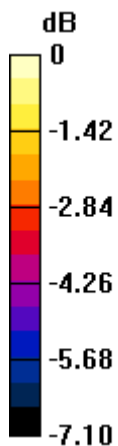
Grid 1 <b>M3</b> <b>86.75 V/m</b>	Grid 2 <b>M3</b> <b>87.94 V/m</b>	Grid 3 <b>M3</b> <b>86.85 V/m</b>
Grid 4 <b>M3</b> <b>90.36 V/m</b>	Grid 5 <b>M3</b> <b>92.59 V/m</b>	Grid 6 <b>M3</b> <b>91.38 V/m</b>
Grid 7 <b>M3</b> <b>94.56 V/m</b>	Grid 8 <b>M3</b> <b>96.43 V/m</b>	Grid 9 <b>M3</b> <b>94.65 V/m</b>

**Cursor:**

Total = 96.43 V/m

E Category: M3

Location: 0, 20.5, 9.7 mm



0 dB = 96.43 V/m = 39.68 dBV/m