

# 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 : 23.3 °C

### DASY5 Configuration:

- Probe: EF3DV3 - SN4047; ConvF(1, 1, 1) @ 835 MHz; Calibrated: 2019/1/30
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1326; Calibrated: 2018/9/18
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.10 (1); SEMCAD X Version 14.6.11 (7439)

## 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 = 129.9 V/m; Power Drift = 0.01 dB

PMR not calibrated. PMF = 1.000 is applied.

E-field emissions = 113.9 V/m

Average value of Total=(113.9+112.2) / 2 = 113.05 V/m

PMF scaled E-field

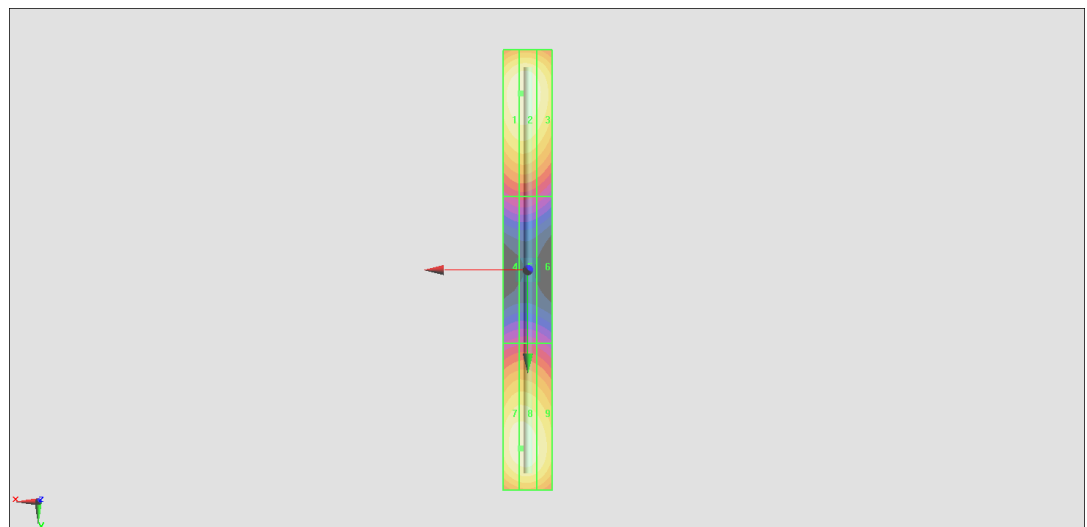
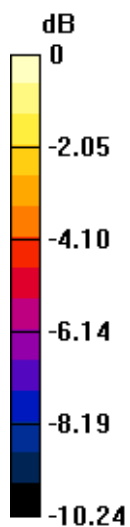
Grid 1 M4 <b>113.9 V/m</b>	Grid 2 M4 <b>113.9 V/m</b>	Grid 3 M4 <b>108.8 V/m</b>
Grid 4 M4 <b>62.68 V/m</b>	Grid 5 M4 <b>62.95 V/m</b>	Grid 6 M4 <b>60.33 V/m</b>
Grid 7 M4 <b>112.1 V/m</b>	Grid 8 M4 <b>112.2 V/m</b>	Grid 9 M4 <b>107.2 V/m</b>

### Cursor:

Total = 113.9 V/m

E Category: M4

Location: 3, -72, 9.7 mm



0 dB = 113.9 V/m = 41.13 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 : 23.3 °C

### DASY5 Configuration:

- Probe: EF3DV3 - SN4047; ConvF(1, 1, 1) @ 1880 MHz; Calibrated: 2019/1/30
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1326; Calibrated: 2018/9/18
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.10 (1); SEMCAD X Version 14.6.11 (7439)

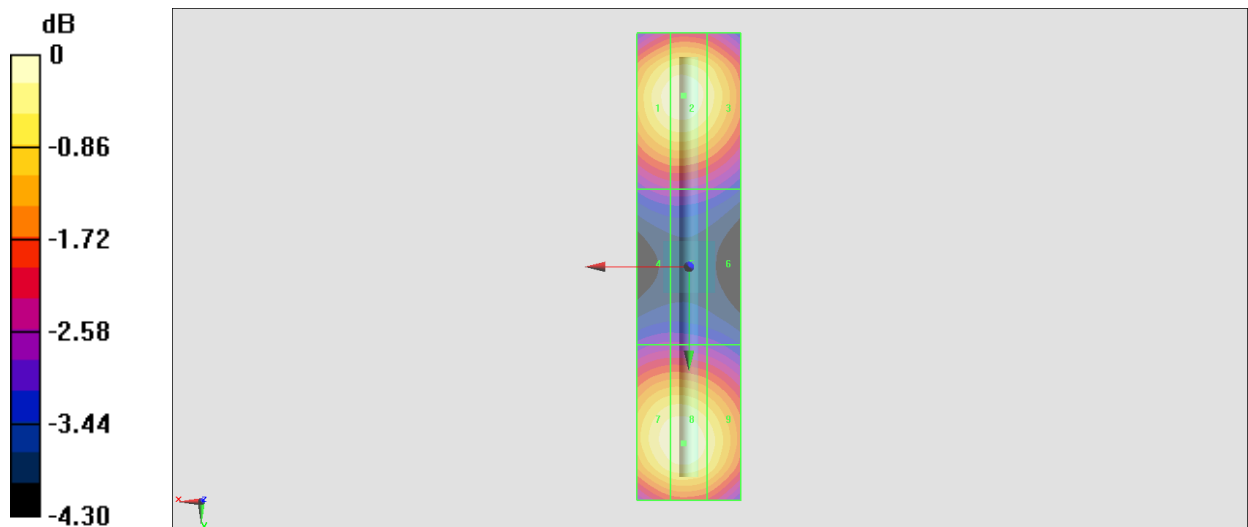
## E Scan - measurement distance from the probe sensor center to CD1880 = 10mm & 15mm/Hearing Aid Compatibility Test at 15mm distance (41x181x1): Interpolated grid: dx=0.5000 mm, dy=0.5000 mm

Device Reference Point: 0, 0, -6.3 mm  
 Reference Value = 158.1 V/m; Power Drift = 0.00 dB  
 PMR not calibrated. PMF = 1.000 is applied.  
 E-field emissions = 87.36 V/m  
 Average value of Total=(86.89+87.36) / 2 = 87.125 V/m

PMF scaled E-field

Grid 1 <b>M3</b> <b>86.27 V/m</b>	Grid 2 <b>M3</b> <b>86.89 V/m</b>	Grid 3 <b>M3</b> <b>83.77 V/m</b>
Grid 4 <b>M3</b> <b>64.85 V/m</b>	Grid 5 <b>M3</b> <b>64.90 V/m</b>	Grid 6 <b>M3</b> <b>63.35 V/m</b>
Grid 7 <b>M3</b> <b>86.68 V/m</b>	Grid 8 <b>M3</b> <b>87.36 V/m</b>	Grid 9 <b>M3</b> <b>84.14 V/m</b>

**Cursor:**  
 Total = 87.36 V/m  
 E Category: M3  
 Location: 1, 34, 9.7 mm



0 dB = 87.36 V/m = 38.83 dBV/m

**HAC\_E\_Dipole\_2450**

**DUT: HAC Dipole 2450 MHz**

Communication System: CW; Frequency: 2450 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 : 23.3 °C

DASY5 Configuration:

- Probe: EF3DV3 - SN4047; ConvF(1, 1, 1) @ 2450 MHz; Calibrated: 2019/1/30
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1326; Calibrated: 2018/9/18
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.10 (1); SEMCAD X Version 14.6.11 (7439)

**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 = 82.74 V/m; Power Drift = 0.02 dB

PMR not calibrated. PMF = 1.000 is applied.

E-field emissions = 87.60 V/m

Average value of Total=(86.05+87.60) / 2 = 86.825 V/m

PMF scaled E-field

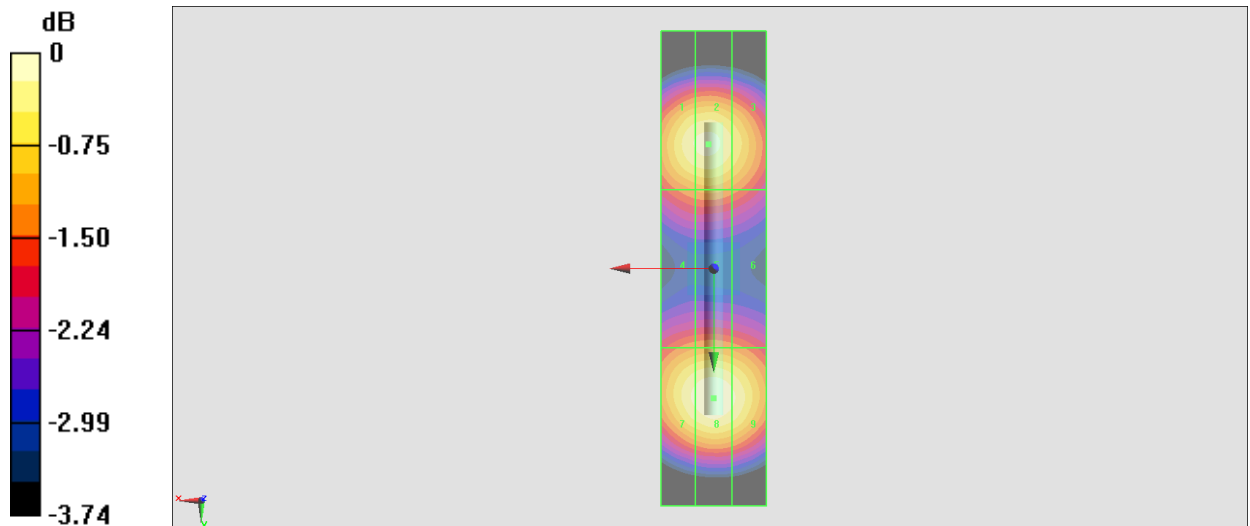
Grid 1 <b>M3</b> <b>85.33 V/m</b>	Grid 2 <b>M3</b> <b>86.05 V/m</b>	Grid 3 <b>M3</b> <b>82.78 V/m</b>
Grid 4 <b>M3</b> <b>76.30 V/m</b>	Grid 5 <b>M3</b> <b>77.06 V/m</b>	Grid 6 <b>M3</b> <b>75.23 V/m</b>
Grid 7 <b>M3</b> <b>85.88 V/m</b>	Grid 8 <b>M3</b> <b>87.60 V/m</b>	Grid 9 <b>M3</b> <b>85.68 V/m</b>

**Cursor:**

Total = 87.56 V/m

E Category: M3

Location: 0, 24.5, 9.7 mm



0 dB = 87.60 V/m = 38.85 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 : 23.3 °C

### DASY5 Configuration:

- Probe: EF3DV3 - SN4047; ConvF(1, 1, 1) @ 2600 MHz; Calibrated: 2019/1/30
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1326; Calibrated: 2018/9/18
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.10 (1); SEMCAD X Version 14.6.11 (7439)

## 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 = 73.74 V/m; Power Drift = -0.02 dB

PMR not calibrated. PMF = 1.000 is applied.

E-field emissions = 89.38 V/m

Average value of Total=(86.82+89.38) / 2 = 88.10 V/m

PMF scaled E-field

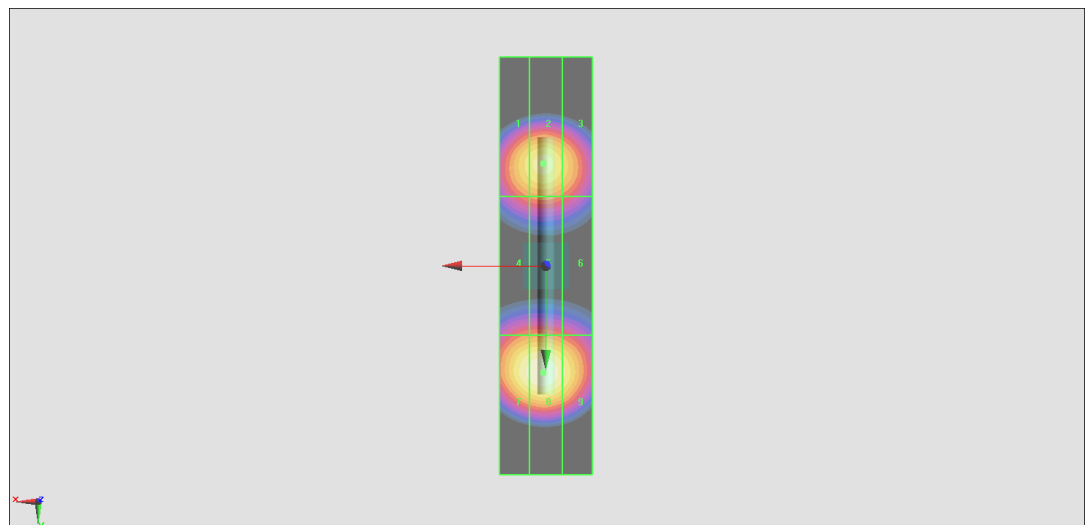
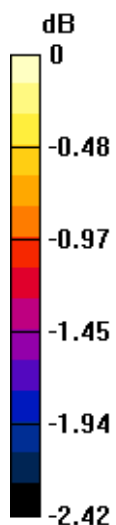
Grid 1 <b>M3</b> <b>85.59 V/m</b>	Grid 2 <b>M3</b> <b>86.82 V/m</b>	Grid 3 <b>M3</b> <b>84.50 V/m</b>
Grid 4 <b>M3</b> <b>80.51 V/m</b>	Grid 5 <b>M3</b> <b>81.16 V/m</b>	Grid 6 <b>M3</b> <b>79.50 V/m</b>
Grid 7 <b>M3</b> <b>88.40 V/m</b>	Grid 8 <b>M3</b> <b>89.38 V/m</b>	Grid 9 <b>M3</b> <b>86.89 V/m</b>

### Cursor:

Total = 89.38 V/m

E Category: M3

Location: 0.5, 23, 9.7 mm



0 dB = 89.38 V/m = 39.02 dBV/m