

**HAC\_E\_Dipole\_835**

**DUT: HAC Dipole 835 MHz**

Communication System: UID 0, 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 - SN4050; ConvF(1, 1, 1); Calibrated: 2023/1/24
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1649; Calibrated: 2023/4/24
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

**E Scan - measurement distance from the probe sensor center to CD835 = 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 = 100.3 V/m; Power Drift = 0.05 dB

PMR not calibrated. PMF = 1.000 is applied.

E-field emissions = 103.4 V/m

Average value of Total=(103.4+98.71)/2=101.06 V/m

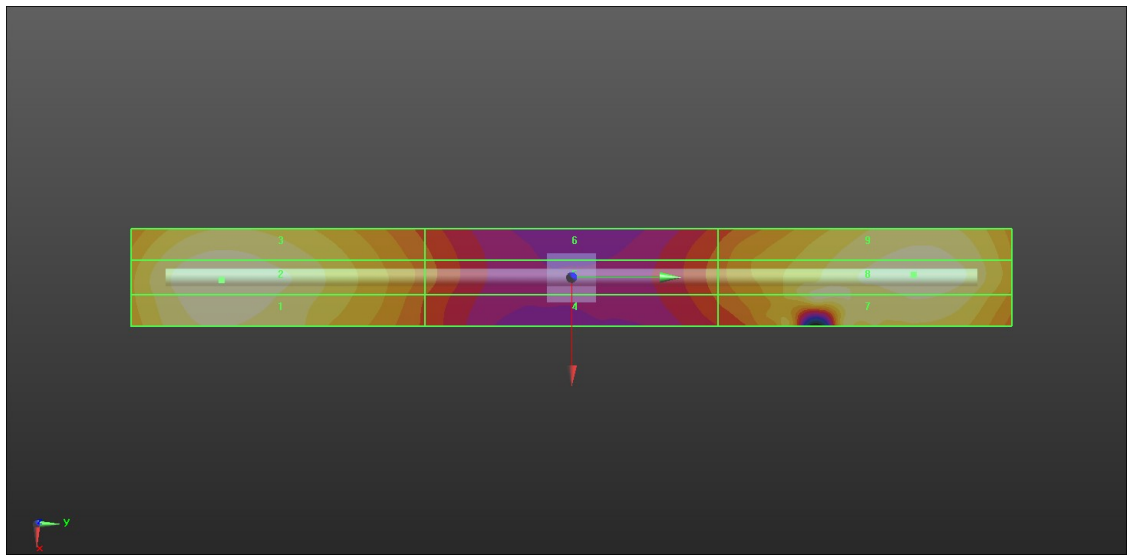
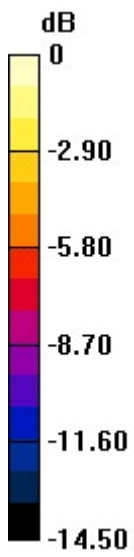
PMF scaled E-field

<b>Grid 1 M4</b> <b>100.1 V/m</b>	<b>Grid 2 M4</b> <b>103.4 V/m</b>	<b>Grid 3 M4</b> <b>97.21 V/m</b>
<b>Grid 4 M4</b> <b>54.67 V/m</b>	<b>Grid 5 M4</b> <b>56.94 V/m</b>	<b>Grid 6 M4</b> <b>55.82 V/m</b>
<b>Grid 7 M4</b> <b>98.47 V/m</b>	<b>Grid 8 M4</b> <b>98.71 V/m</b>	<b>Grid 9 M4</b> <b>96.42 V/m</b>

Total = 103.4 V/m

E Category: M4

Location: 0.5, -71.5, 9.7 mm



0 dB = 103.4 V/m = 40.29 dBV/m

**HAC\_E\_Dipole\_1880**

**DUT: HAC Dipole 1880 MHz**

Communication System: UID 0, CW; Frequency: 1880 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 - SN4050; ConvF(1, 1, 1); Calibrated: 2023/1/24
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1649; Calibrated: 2023/4/24
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

**E Scan - measurement distance from the probe sensor center to CD1880 =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 = 148.0 V/m; Power Drift = -0.01 dB

PMR not calibrated. PMF = 1.000 is applied.

E-field emissions = 84.13 V/m

Average value of Total=(84.13+82.08)/2=83.11 V/m

PMF scaled E-field

<b>Grid 1 M3</b> <b>80.73 V/m</b>	<b>Grid 2 M3</b> <b>82.08 V/m</b>	<b>Grid 3 M3</b> <b>80.60 V/m</b>
<b>Grid 4 M4</b> <b>60.55 V/m</b>	<b>Grid 5 M4</b> <b>61.13 V/m</b>	<b>Grid 6 M4</b> <b>60.44 V/m</b>
<b>Grid 7 M3</b> <b>82.34 V/m</b>	<b>Grid 8 M3</b> <b>84.13 V/m</b>	<b>Grid 9 M3</b> <b>82.63 V/m</b>

Total = 84.13 V/m

E Category: M3

Location: 0, 33.5, 9.7 mm



**HAC\_E\_Dipole\_2450**

**DUT: HAC Dipole 2450 MHz**

Communication System: UID 0, 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 - SN4050; ConvF(1, 1, 1); Calibrated: 2023/1/24
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1649; Calibrated: 2023/4/24
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

**E Scan - measurement distance from the probe sensor center to CD2450 = 15mm/Hearing Aid Compatibility Test at 15mm distance (41x181x1): Interpolated grid:**

$dx=0.5000 \text{ mm}$ ,  $dy=0.5000 \text{ mm}$

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 73.86 V/m; Power Drift = -0.07 dB

PMR not calibrated. PMF = 1.000 is applied.

E-field emissions = 85.65 V/m

Average value of Total= $(85.65+83.30)/2=84.48 \text{ V/m}$

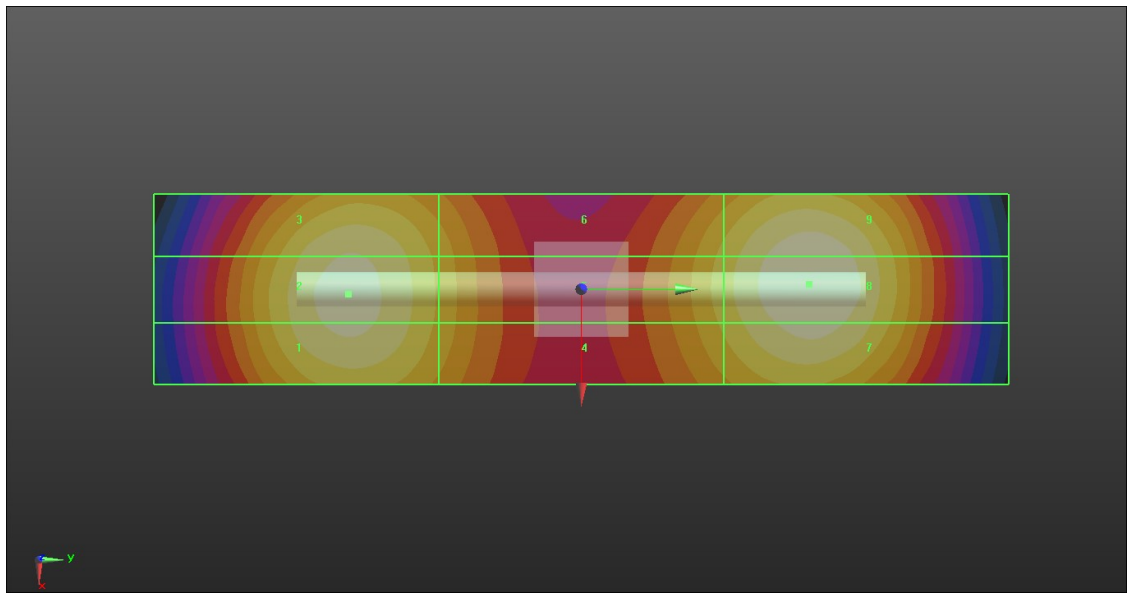
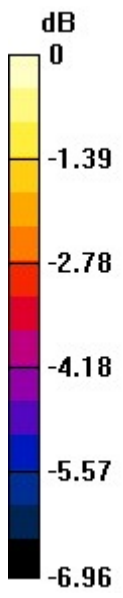
PMF scaled E-field

<b>Grid 1 M3</b> <b>82.37 V/m</b>	<b>Grid 2 M3</b> <b>83.30 V/m</b>	<b>Grid 3 M3</b> <b>81.52 V/m</b>
<b>Grid 4 M3</b> <b>73.92 V/m</b>	<b>Grid 5 M3</b> <b>75.29 V/m</b>	<b>Grid 6 M3</b> <b>74.36 V/m</b>
<b>Grid 7 M3</b> <b>83.28 V/m</b>	<b>Grid 8 M3</b> <b>85.65 V/m</b>	<b>Grid 9 M3</b> <b>84.42 V/m</b>

Total = 85.65 V/m

E Category: M3

Location: -0.5, 24, 8.7 mm



0 dB = 85.65 V/m = 38.65 dBV/m

**HAC\_E\_Dipole\_2600**

**DUT: HAC Dipole 2600 MHz**

Communication System: UID 0, CW (0); 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 - SN4050; ConvF(1, 1, 1); Calibrated: 2023/1/24
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1649; Calibrated: 2023/4/24
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

**E Scan - measurement distance from the probe sensor center to CD2600 = 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 = 67.58 V/m; Power Drift = -0.09 dB

PMR not calibrated. PMF = 1.000 is applied.

E-field emissions = 82.84 V/m

Average value of Total=(82.84+82.40)/2=82.62 V/m

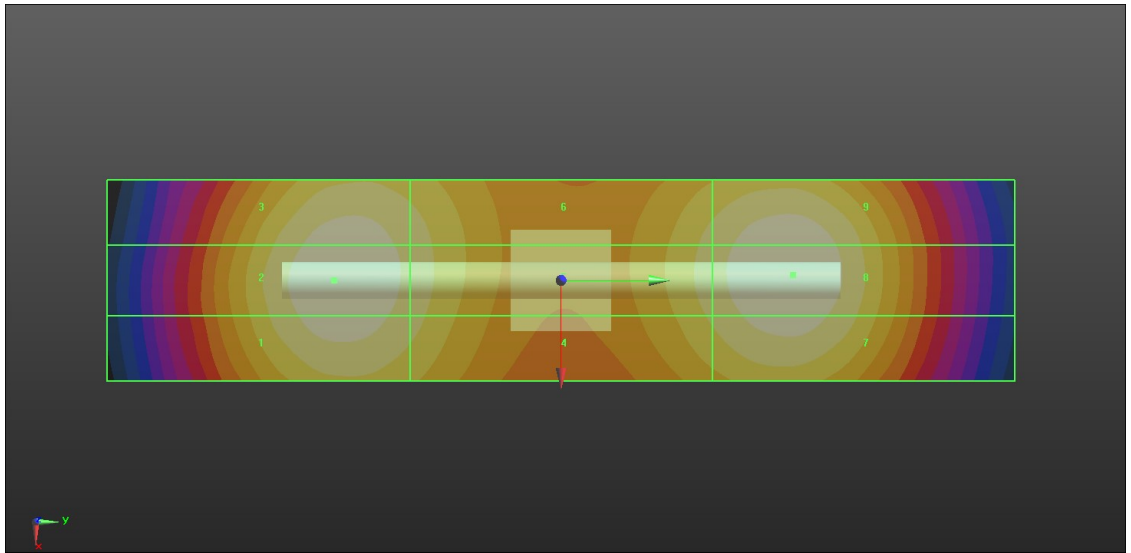
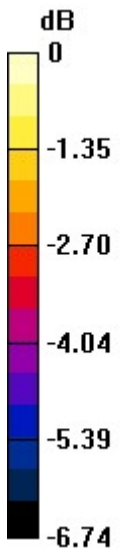
PMF scaled E-field

<b>Grid 1 M3</b> <b>80.98 V/m</b>	<b>Grid 2 M3</b> <b>82.40 V/m</b>	<b>Grid 3 M3</b> <b>81.17 V/m</b>
<b>Grid 4 M3</b> <b>76.51 V/m</b>	<b>Grid 5 M3</b> <b>77.71 V/m</b>	<b>Grid 6 M3</b> <b>77.21 V/m</b>
<b>Grid 7 M3</b> <b>80.83 V/m</b>	<b>Grid 8 M3</b> <b>82.84 V/m</b>	<b>Grid 9 M3</b> <b>81.94 V/m</b>

Total = 82.84 V/m

E Category: M3

Location: -0.5, 23, 9.7 mm



0 dB = 82.84 V/m = 38.36 dBV/m