

## 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 : 23.4 °C

#### DASY5 Configuration:

- Probe: EF3DV3 - SN4062; ConvF(1, 1, 1); Calibrated: 2022/12/23
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1386; Calibrated: 2023/7/17
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.10 (3); SEMCAD X Version 14.6.13 (7474)

### 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 = 114.67 V/m; Power Drift = -0.06 dB

PMR not calibrated. PMF = 1.000 is applied.

E-field emissions = 115.5 V/m

Average value of Total=(109.7+115.5)/2=112.6 V/m

#### PMF scaled E-field

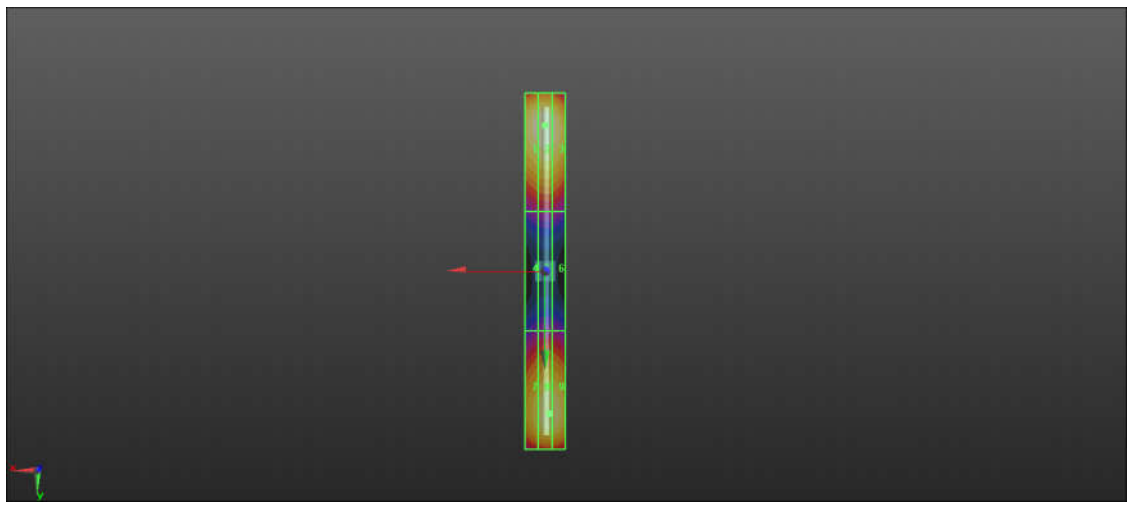
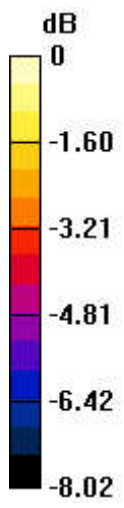
Grid 1 <b>M4</b> <b>107.9 V/m</b>	Grid 2 <b>M4</b> <b>109.7 V/m</b>	Grid 3 <b>M4</b> <b>109.9 V/m</b>
Grid 4 <b>M4</b> <b>69.47 V/m</b>	Grid 5 <b>M4</b> <b>71.06 V/m</b>	Grid 6 <b>M4</b> <b>70.09 V/m</b>
Grid 7 <b>M4</b> <b>113.3 V/m</b>	Grid 8 <b>M4</b> <b>115.5 V/m</b>	Grid 9 <b>M4</b> <b>114.1 V/m</b>

#### Cursor:

Total = 115.5 V/m

E Category: M4

Location: -0.5, 78, 9.7 mm



0 dB = 115.5 V/m = 41.21 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:  $\sigma = 0$  S/m,  $\epsilon_r = 1$ ;  $\rho = 0$  kg/m<sup>3</sup>

Ambient Temperature : 23.4 °C

#### DASY5 Configuration:

- Probe: EF3DV3 - SN4062; ConvF(1, 1, 1); Calibrated: 2022/12/23
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1386; Calibrated: 2023/7/17
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.10 (3); SEMCAD X Version 14.6.13 (7474)

### 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 = 136.6 V/m; Power Drift = -0.01 dB

PMR not calibrated. PMF = 1.000 is applied.

E-field emissions = 92.49 V/m

Average value of Total=(92.49+80.09)/2=86.29 V/m

#### PMF scaled E-field

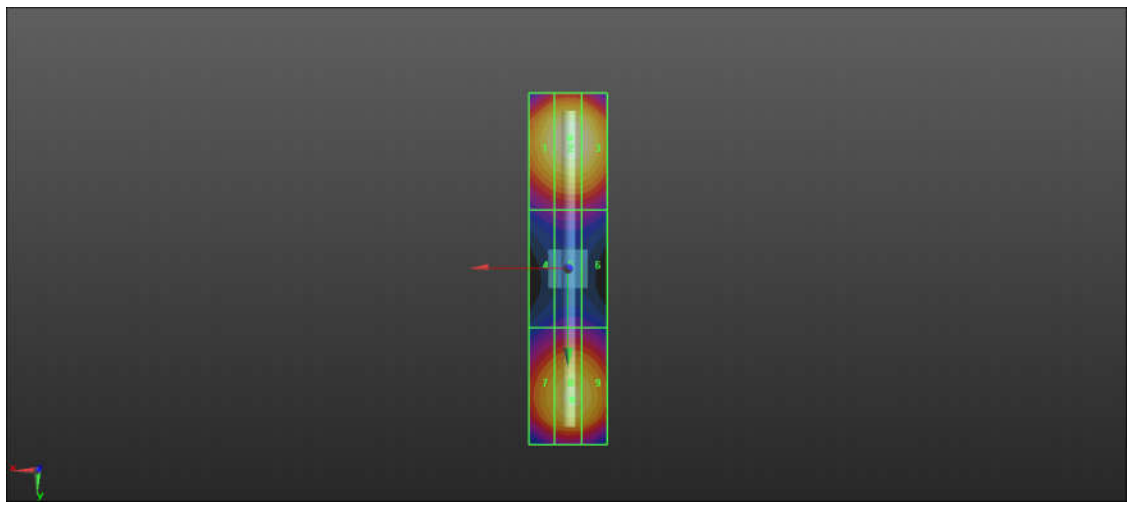
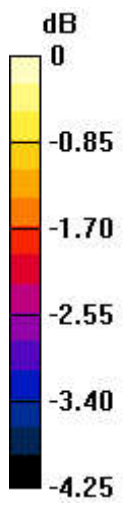
<b>Grid 1 M3</b> <b>90.39 V/m</b>	<b>Grid 2 M3</b> <b>92.49 V/m</b>	<b>Grid 3 M3</b> <b>90.93 V/m</b>
<b>Grid 4 M3</b> <b>72.48 V/m</b>	<b>Grid 5 M3</b> <b>73.34 V/m</b>	<b>Grid 6 M3</b> <b>72.22 V/m</b>
<b>Grid 7 M3</b> <b>78.32 V/m</b>	<b>Grid 8 M3</b> <b>80.09 V/m</b>	<b>Grid 9 M3</b> <b>80.37 V/m</b>

#### Cursor:

Total = 92.49 V/m

E Category: M3

Location: 0, -30.5, 9.7 mm



0 dB = 92.49 V/m = 39.32 dBV/m

## 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:  $\sigma = 0$  S/m,  $\epsilon_r = 1$ ;  $\rho = 0$  kg/m<sup>3</sup>

Ambient Temperature : 23.4 °C

#### DASY5 Configuration:

- Probe: EF3DV3 - SN4062; ConvF(1, 1, 1); Calibrated: 2022/12/23
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1386; Calibrated: 2023/7/17
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.10 (3); SEMCAD X Version 14.6.13 (7474)

### 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 mm, dy=0.5000 mm

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 84.85 V/m; Power Drift = 0.09 dB

PMR not calibrated. PMF = 1.000 is applied.

E-field emissions = 91.59 V/m

Average value of Total=(91.59+81.79)/2=86.69 V/m

#### PMF scaled E-field

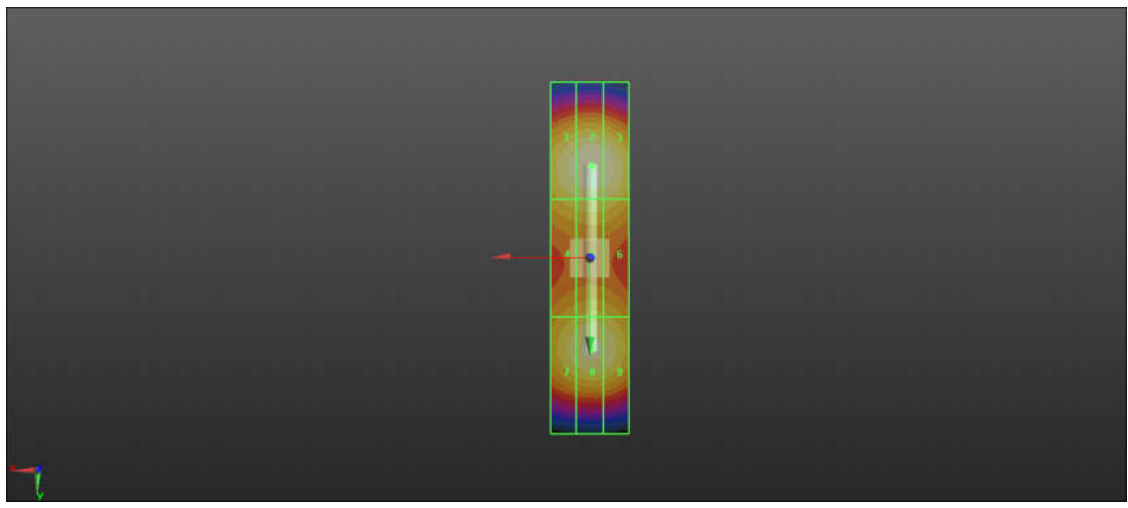
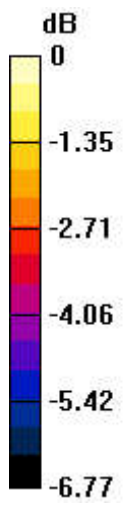
<b>Grid 1 M3</b> <b>89.66 V/m</b>	<b>Grid 2 M3</b> <b>91.59 V/m</b>	<b>Grid 3 M3</b> <b>90.42 V/m</b>
<b>Grid 4 M3</b> <b>86.27 V/m</b>	<b>Grid 5 M3</b> <b>87.62 V/m</b>	<b>Grid 6 M3</b> <b>86.35 V/m</b>
<b>Grid 7 M3</b> <b>79.59 V/m</b>	<b>Grid 8 M3</b> <b>81.79 V/m</b>	<b>Grid 9 M3</b> <b>81.09 V/m</b>

#### Cursor:

Total = 91.59 V/m

E Category: M3

Location: -0.5, -21.5, 9.7 mm



0 dB = 91.59 V/m = 39.24 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 : 23.4 °C

**DASY5 Configuration:**

- Probe: EF3DV3 - SN4062; ConvF(1, 1, 1); Calibrated: 2022/12/23
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1386; Calibrated: 2023/7/17
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.10 (3); SEMCAD X Version 14.6.13 (7474)

**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 = 67.46 V/m; Power Drift = 0.01 dB

PMR not calibrated. PMF = 1.000 is applied.

E-field emissions = 89.27 V/m

Average value of Total=(84.03+89.27)/2 = 86.65 V/m

PMF scaled E-field

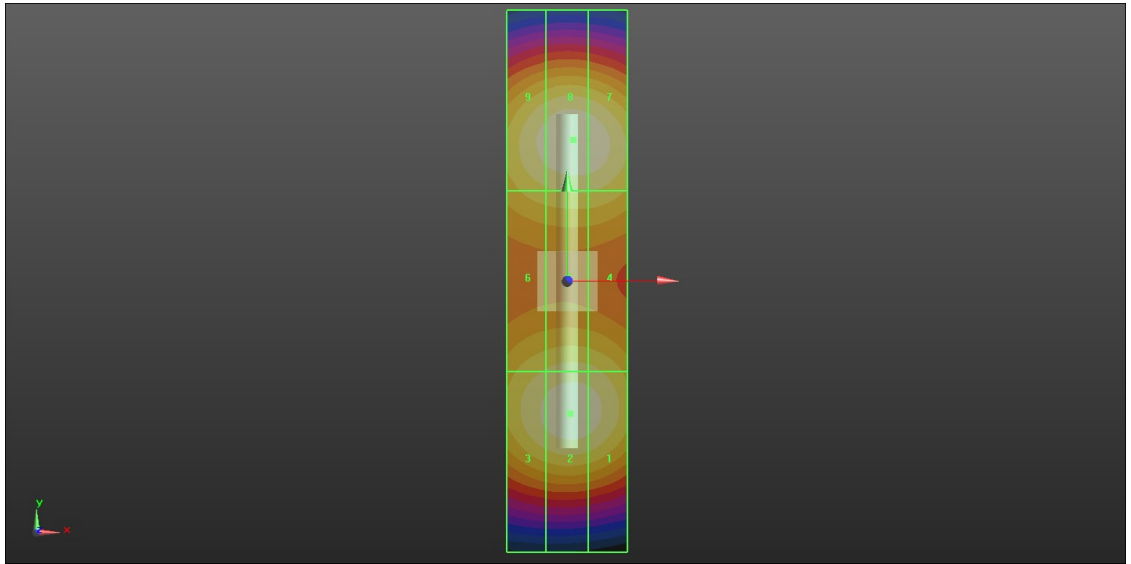
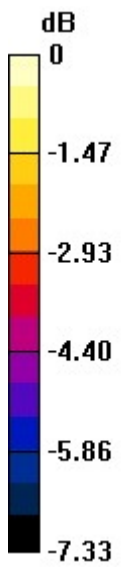
<b>Grid 1 M3</b> <b>81.84 V/m</b>	<b>Grid 2 M3</b> <b>84.03 V/m</b>	<b>Grid 3 M3</b> <b>83.44 V/m</b>
<b>Grid 4 M3</b> <b>78.22 V/m</b>	<b>Grid 5 M3</b> <b>80.76 V/m</b>	<b>Grid 6 M3</b> <b>80.28 V/m</b>
<b>Grid 7 M3</b> <b>85.88 V/m</b>	<b>Grid 8 M3</b> <b>89.27 V/m</b>	<b>Grid 9 M3</b> <b>88.61 V/m</b>

**Cursor:**

Total = 89.27 V/m

E Category: M3

Location: -1.5, 23, 8.7 mm



0 dB = 89.27 V/m = 39.01 dBV/m



## HAC\_E\_Dipole\_5500

### DUT: HAC-Dipole 5500 MHz

Communication System: UID 0, CW (0); Frequency: 5500 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: EF3DV3 - SN4062; ConvF(1, 1, 1); Calibrated: 2022/12/23
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1386; Calibrated: 2023/7/17
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.10 (3); SEMCAD X Version 14.6.13 (7474)

### E Scan - measurement distance from the probe sensor center to CD5500 = 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 = 33.72 V/m; Power Drift = 0.01 dB

PMR not calibrated. PMF = 1.000 is applied.

E-field emissions = 114.5 V/m

Average value of Total=(105.5+111.0)/2=108.25 V/m

#### PMF scaled E-field

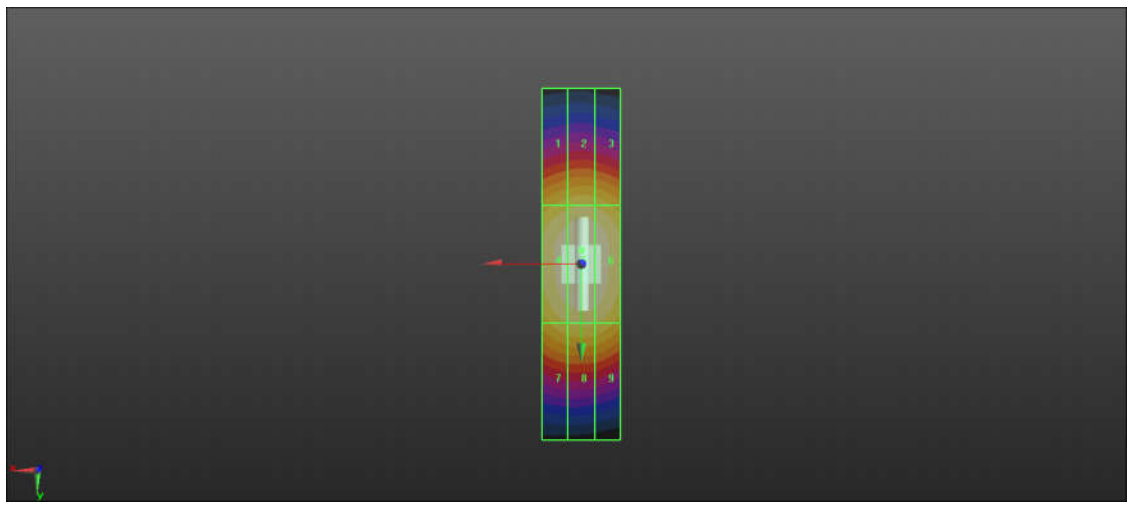
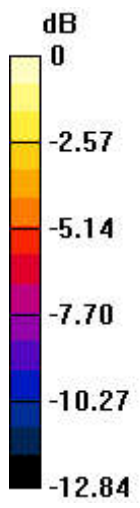
Grid 1 <b>M3</b> <b>93.26 V/m</b>	Grid 2 <b>M3</b> <b>95.12 V/m</b>	Grid 3 <b>M3</b> <b>91.89 V/m</b>
Grid 4 <b>M3</b> <b>105.5 V/m</b>	Grid 5 <b>M2</b> <b>114.5 V/m</b>	Grid 6 <b>M3</b> <b>111.0 V/m</b>
Grid 7 <b>M3</b> <b>91.99 V/m</b>	Grid 8 <b>M3</b> <b>93.64 V/m</b>	Grid 9 <b>M3</b> <b>91.06 V/m</b>

#### Cursor:

Total = 114.5 V/m

E Category: M2

Location: 0.5, -3.5, 8.7 mm



0 dB = 114.5 V/m = 41.18 dBV/m