

**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: 2022/1/31
- Electronics: DAE4 Sn1650; Calibrated: 2022/8/5
- 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 = 93.88 V/m; Power Drift = -0.06 dB

PMR not calibrated. PMF = 1.000 is applied.

E-field emissions = 105.2 V/m

Average value of Total=(105.2+88.40)/2=96.80 V/m

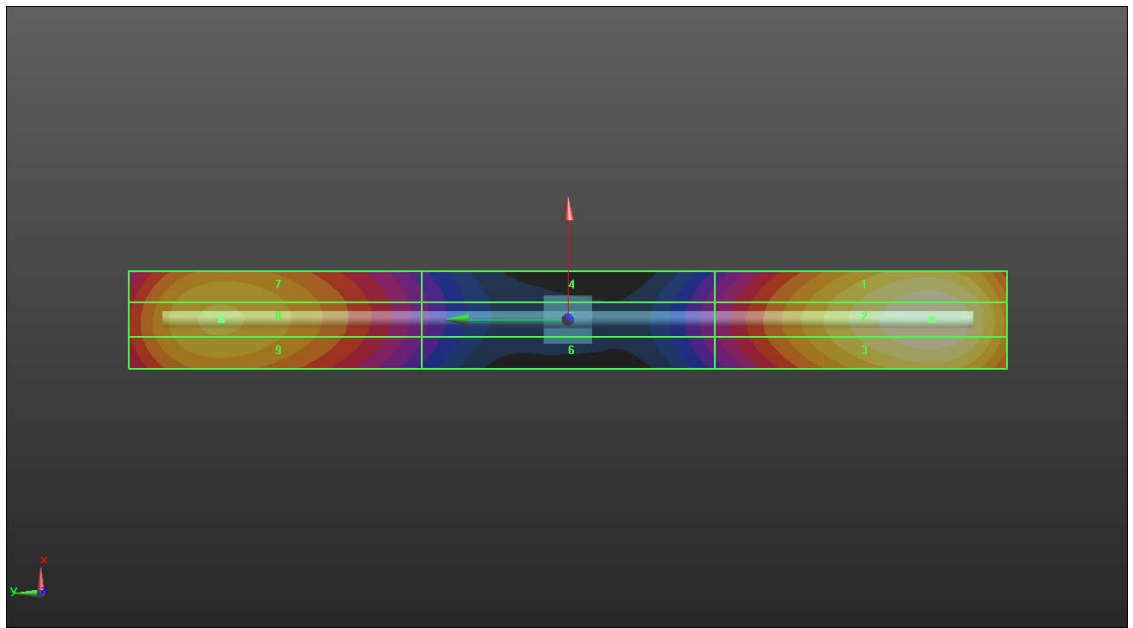
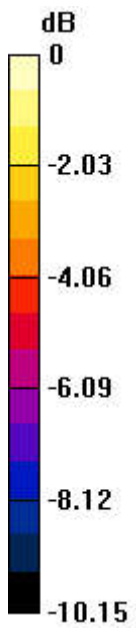
PMF scaled E-field

|                                      |                                      |                                      |
|--------------------------------------|--------------------------------------|--------------------------------------|
| <b>Grid 1 M4</b><br><b>102.6 V/m</b> | <b>Grid 2 M4</b><br><b>105.2 V/m</b> | <b>Grid 3 M4</b><br><b>101.5 V/m</b> |
| <b>Grid 4 M4</b><br><b>50.74 V/m</b> | <b>Grid 5 M4</b><br><b>51.77 V/m</b> | <b>Grid 6 M4</b><br><b>50.36 V/m</b> |
| <b>Grid 7 M4</b><br><b>87.04 V/m</b> | <b>Grid 8 M4</b><br><b>88.40 V/m</b> | <b>Grid 9 M4</b><br><b>87.47 V/m</b> |

Total = 105.1 V/m

E Category: M4

Location: 0, -74.5, 9.7 mm



0 dB = 105.2 V/m = 36.85 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 : 23.3 °C;

**DASY5 Configuration:**

- Probe: EF3DV3 - SN4050; ConvF(1, 1, 1); Calibrated: 2022/1/31
- Electronics: DAE4 Sn1650; Calibrated: 2022/8/5
- 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 = 139.2 V/m; Power Drift = 0.05 dB

PMR not calibrated. PMF = 1.000 is applied.

E-field emissions = 96.25 V/m

Average value of Total=(96.25+92.23)/2=94.24 V/m

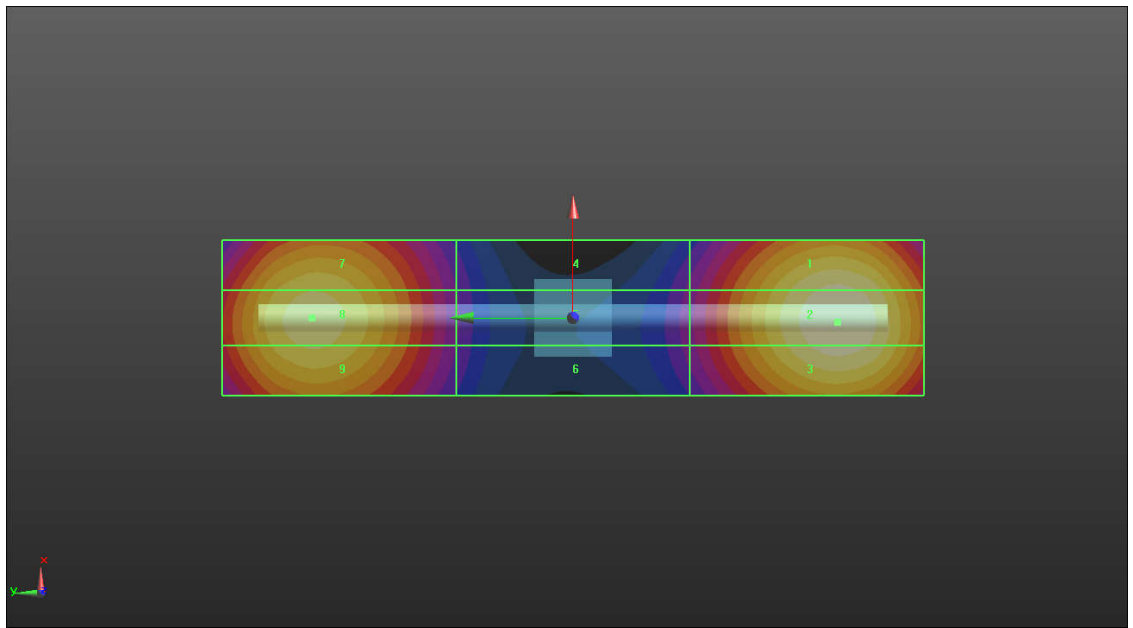
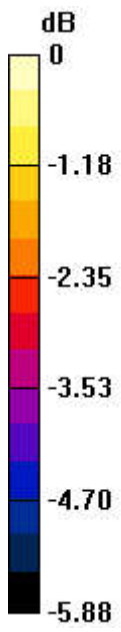
PMF scaled E-field

|                                      |                                      |                                      |
|--------------------------------------|--------------------------------------|--------------------------------------|
| <b>Grid 1 M3</b><br><b>94.31 V/m</b> | <b>Grid 2 M3</b><br><b>96.25 V/m</b> | <b>Grid 3 M3</b><br><b>94.49 V/m</b> |
| <b>Grid 4 M3</b><br><b>62.36 V/m</b> | <b>Grid 5 M3</b><br><b>64.07 V/m</b> | <b>Grid 6 M3</b><br><b>62.50 V/m</b> |
| <b>Grid 7 M3</b><br><b>88.17 V/m</b> | <b>Grid 8 M3</b><br><b>92.23 V/m</b> | <b>Grid 9 M3</b><br><b>89.15 V/m</b> |

Total = 96.25 V/m

E Category: M3

Location: -0.5, -34, 8.7 mm



0 dB = 96.25 V/m = 40.11 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 : 23.5 °C;

DASY5 Configuration:

- Probe: EF3DV3 - SN4050; ConvF(1, 1, 1); Calibrated: 2022/1/31
- Electronics: DAE4 Sn1650; Calibrated: 2022/8/5
- 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 mm, dy=0.5000 mm

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 68.23 V/m; Power Drift = 0.01 dB

PMR not calibrated. PMF = 1.000 is applied.

E-field emissions = 85.68 V/m

Average value of Total=(85.68+84.22)/2=84.95 V/m

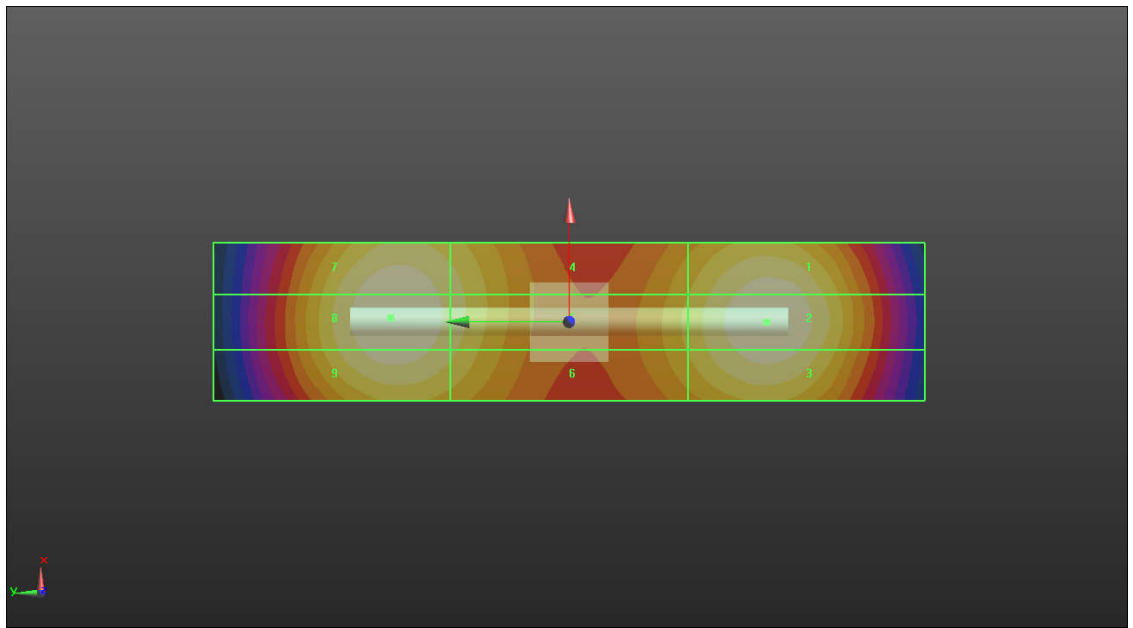
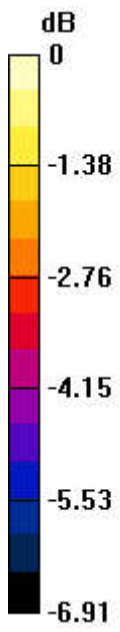
PMF scaled E-field

|                                      |                                      |                                      |
|--------------------------------------|--------------------------------------|--------------------------------------|
| <b>Grid 1 M3</b><br><b>83.27 V/m</b> | <b>Grid 2 M3</b><br><b>85.68 V/m</b> | <b>Grid 3 M3</b><br><b>84.18 V/m</b> |
| <b>Grid 4 M3</b><br><b>77.55 V/m</b> | <b>Grid 5 M3</b><br><b>78.81 V/m</b> | <b>Grid 6 M3</b><br><b>77.27 V/m</b> |
| <b>Grid 7 M3</b><br><b>83.53 V/m</b> | <b>Grid 8 M3</b><br><b>84.22 V/m</b> | <b>Grid 9 M3</b><br><b>84.20 V/m</b> |

Total = 85.68 V/m

E Category: M3

Location: 0.5, 22.5, 9.7 mm



0 dB = 85.68 V/m = 40.72 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: 2022/1/31
- Electronics: DAE4 Sn1650; Calibrated: 2022/8/5
- 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 = 74.05 V/m; Power Drift = 0.09 dB

PMR not calibrated. PMF = 1.000 is applied.

E-field emissions = 89.43 V/m

Average value of Total=(89.43+88.21)/2=88.82 V/m

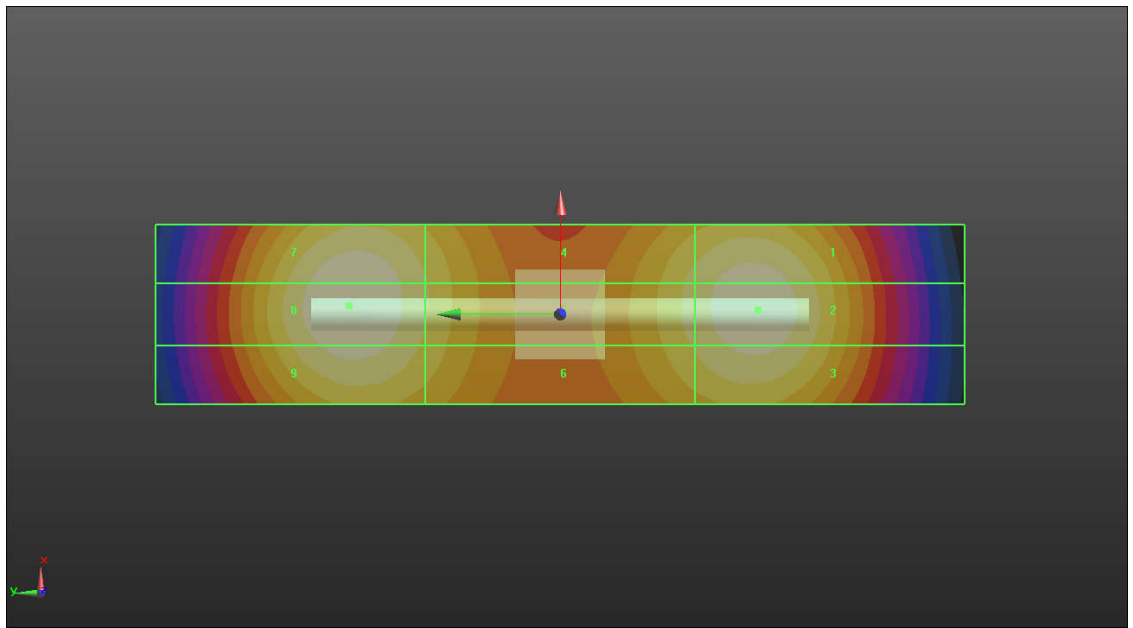
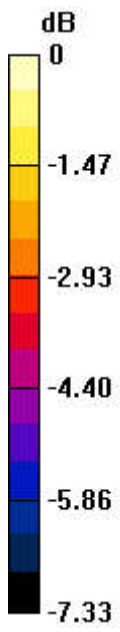
PMF scaled E-field

|                                      |                                      |                                      |
|--------------------------------------|--------------------------------------|--------------------------------------|
| <b>Grid 1 M3</b><br><b>88.12 V/m</b> | <b>Grid 2 M3</b><br><b>88.21 V/m</b> | <b>Grid 3 M3</b><br><b>88.03 V/m</b> |
| <b>Grid 4 M3</b><br><b>81.83 V/m</b> | <b>Grid 5 M3</b><br><b>81.30 V/m</b> | <b>Grid 6 M3</b><br><b>81.35 V/m</b> |
| <b>Grid 7 M3</b><br><b>88.65 V/m</b> | <b>Grid 8 M3</b><br><b>89.43 V/m</b> | <b>Grid 9 M3</b><br><b>88.21 V/m</b> |

Total = 89.43 V/m

E Category: M3

Location: 1, 23.5, 9.7 mm



0 dB = 89.43 V/m = 38.20 dBV/m