

## 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: EF3DV3 - SN4062; ConvF(1, 1, 1) @ 835 MHz; Calibrated: 2020/12/18

- Sensor-Surface: (Fix Surface)

- Electronics: DAE4 Sn854; Calibrated: 2020/5/26

- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;

- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

### 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 = 135.0 V/m; Power Drift = -0.13 dB

PMR not calibrated. PMF = 1.000 is applied.

E-field emissions = 113.4 V/m

Average value of Total=(111.9+113.4) / 2 = 112.65 V/m

#### PMF scaled E-field

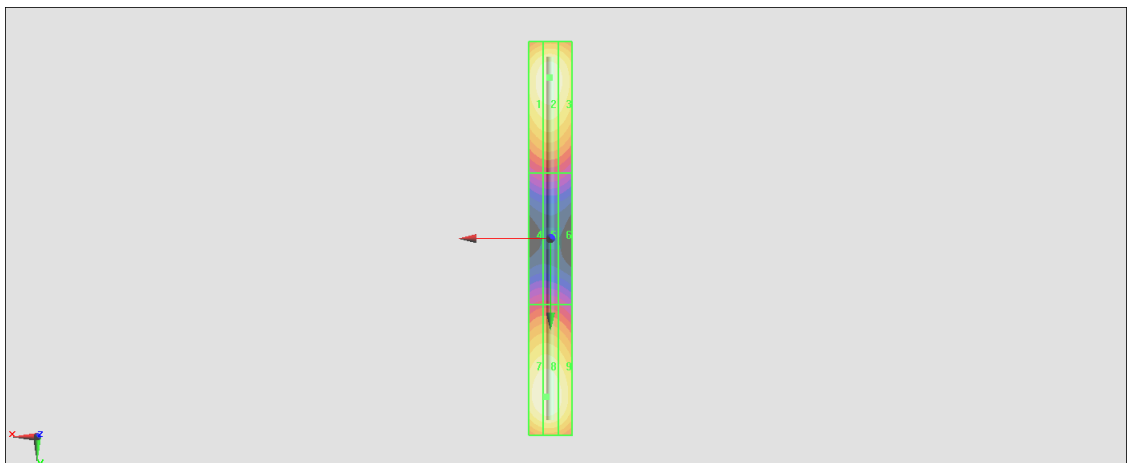
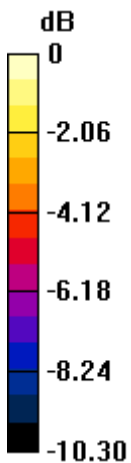
Grid 1 M4 <b>110.3 V/m</b>	Grid 2 M4 <b>111.9 V/m</b>	Grid 3 M4 <b>108.4 V/m</b>
Grid 4 M4 <b>62.81 V/m</b>	Grid 5 M4 <b>62.83 V/m</b>	Grid 6 M4 <b>60.59 V/m</b>
Grid 7 M4 <b>113.0 V/m</b>	Grid 8 M4 <b>113.4 V/m</b>	Grid 9 M4 <b>108.4 V/m</b>

#### Cursor:

Total = 113.4 V/m

E Category: M4

Location: 2, 72.5, 9.7 mm



0 dB = 113.4 V/m = 41.09 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: EF3DV3 - SN4062; ConvF(1, 1, 1) @ 1880 MHz; Calibrated: 2020/12/18

- Sensor-Surface: (Fix Surface)

- Electronics: DAE4 Sn854; Calibrated: 2020/5/26

- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;

- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

### 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 = 164.7 V/m; Power Drift = 0.00 dB

PMR not calibrated. PMF = 1.000 is applied.

E-field emissions = 89.85 V/m

Average value of Total=(86.54+89.85) / 2 = 88.195 V/m

#### PMF scaled E-field

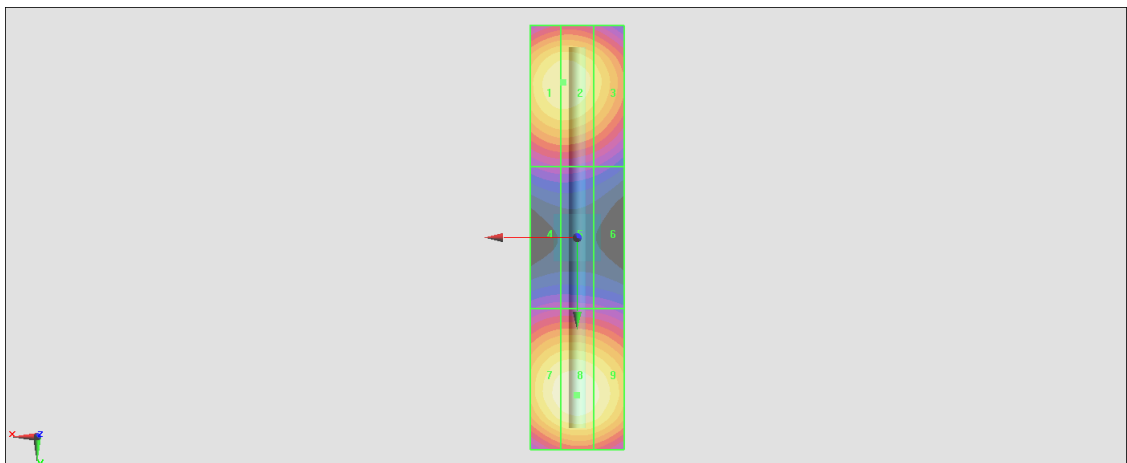
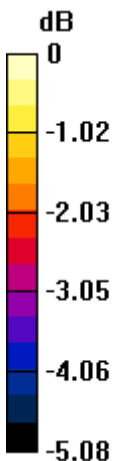
Grid 1 <b>M3</b> <b>86.43 V/m</b>	Grid 2 <b>M3</b> <b>86.54 V/m</b>	Grid 3 <b>M3</b> <b>82.36 V/m</b>
Grid 4 <b>M4</b> <b>63.09 V/m</b>	Grid 5 <b>M3</b> <b>63.11 V/m</b>	Grid 6 <b>M4</b> <b>62.21 V/m</b>
Grid 7 <b>M3</b> <b>88.45 V/m</b>	Grid 8 <b>M3</b> <b>89.85 V/m</b>	Grid 9 <b>M3</b> <b>87.75 V/m</b>

#### Cursor:

Total = 89.85 V/m

E Category: M3

Location: 0, 33.5, 9.7 mm



0 dB = 89.85 V/m = 39.07 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:  $\sigma = 0$  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) @ 2450 MHz; Calibrated: 2020/12/18

- Sensor-Surface: (Fix Surface)

- Electronics: DAE4 Sn854; Calibrated: 2020/5/26

- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;

- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

### E Scan - measurement distance from the probe sensor center to CD2450 = 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 = 79.40 V/m; Power Drift = 0.02 dB

PMR not calibrated. PMF = 1.000 is applied.

E-field emissions = 80.96 V/m

Average value of Total=(79.87+80.96) / 2 = 80.415 V/m

#### PMF scaled E-field

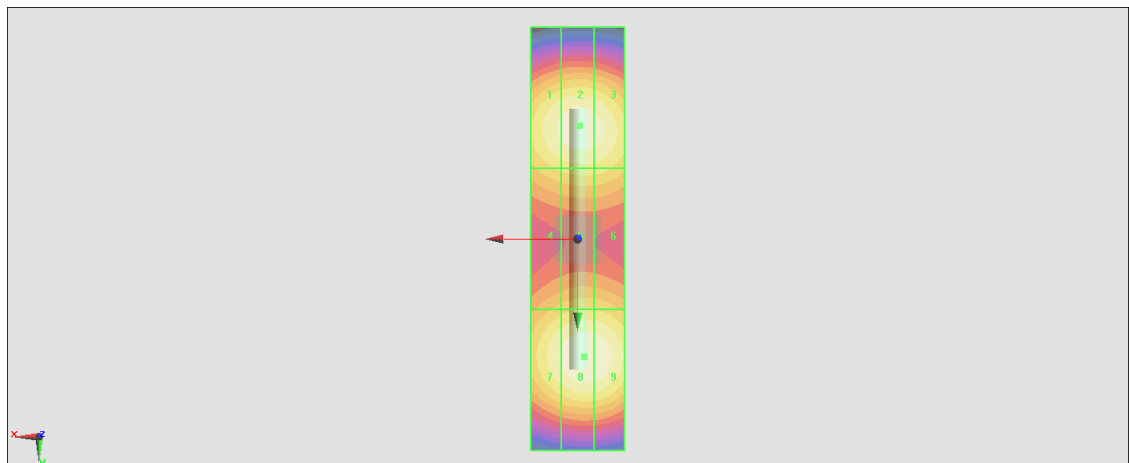
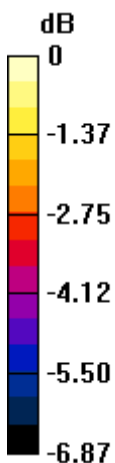
Grid 1 M3 77.72 V/m	Grid 2 M3 79.87 V/m	Grid 3 M3 78.70 V/m
Grid 4 M3 70.10 V/m	Grid 5 M3 71.53 V/m	Grid 6 M3 71.33 V/m
Grid 7 M3 77.25 V/m	Grid 8 M3 80.96 V/m	Grid 9 M3 80.61 V/m

#### Cursor:

Total = 80.96 V/m

E Category: M3

Location: -1.5, 25, 9.7 mm



0 dB = 80.96 V/m = 38.17 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: EF3DV3 - SN4062; ConvF(1, 1, 1) @ 2600 MHz; Calibrated: 2020/12/18

- Sensor-Surface: (Fix Surface)

- Electronics: DAE4 Sn854; Calibrated: 2020/5/26

- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;

- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

### 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 = 67.38 V/m; Power Drift = -0.01 dB

PMR not calibrated. PMF = 1.000 is applied.

E-field emissions = 83.00 V/m

Average value of Total=(81.77+83)/ 2 = 82.385 V/m

#### PMF scaled E-field

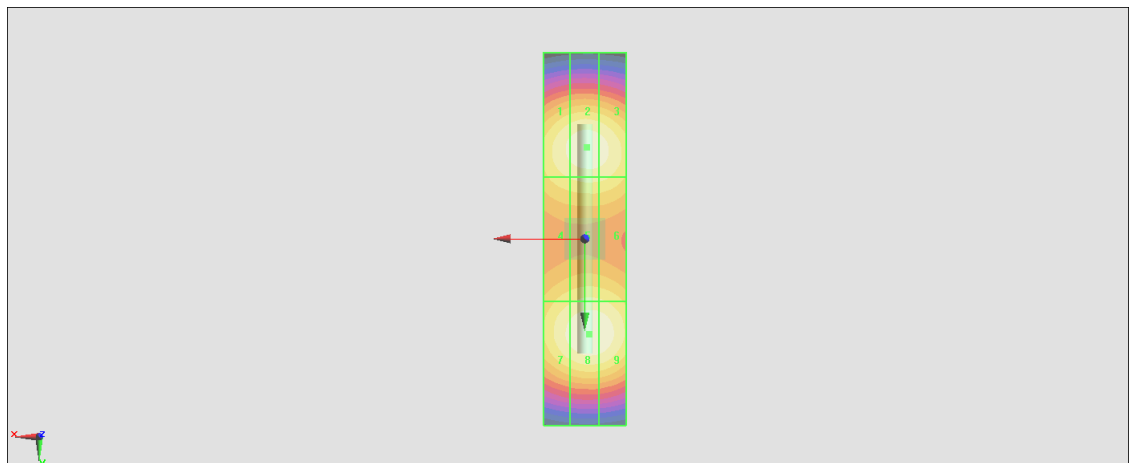
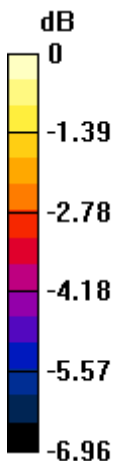
Grid 1 <b>M3</b> <b>79.77 V/m</b>	Grid 2 <b>M3</b> <b>81.77 V/m</b>	Grid 3 <b>M3</b> <b>80.77 V/m</b>
Grid 4 <b>M3</b> <b>75.17 V/m</b>	Grid 5 <b>M3</b> <b>76.42 V/m</b>	Grid 6 <b>M3</b> <b>76.16 V/m</b>
Grid 7 <b>M3</b> <b>80.05 V/m</b>	Grid 8 <b>M3</b> <b>83.00 V/m</b>	Grid 9 <b>M3</b> <b>82.41 V/m</b>

#### Cursor:

Total = 83.00 V/m

E Category: M3

Location: -1, 23, 9.7 mm



0 dB = 83.00 V/m = 38.38 dBV/m

## HAC\_E\_Dipole\_3500

### DUT: HAC Dipole 3500 MHz

Communication System: CW ; Frequency: 3500 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) @ 3500 MHz; Calibrated: 2020/12/18

- Sensor-Surface: (Fix Surface)

- Electronics: DAE4 Sn854; Calibrated: 2020/5/26

- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;

- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

### E Scan - measurement distance from the probe sensor center to CD3500 = 10mm & 15mm/Hearing Aid Compatibility Test at 15mm distance (41x121x1): Interpolated grid:

dx=0.5000 mm, dy=0.5000 mm

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 36.87 V/m; Power Drift = 0.06 dB

PMR not calibrated. PMF = 1.000 is applied.

E-field emissions = 85.23 V/m

Average value of Total=(85.23+85.11) / 2 = 85.17 V/m

#### PMF scaled E-field

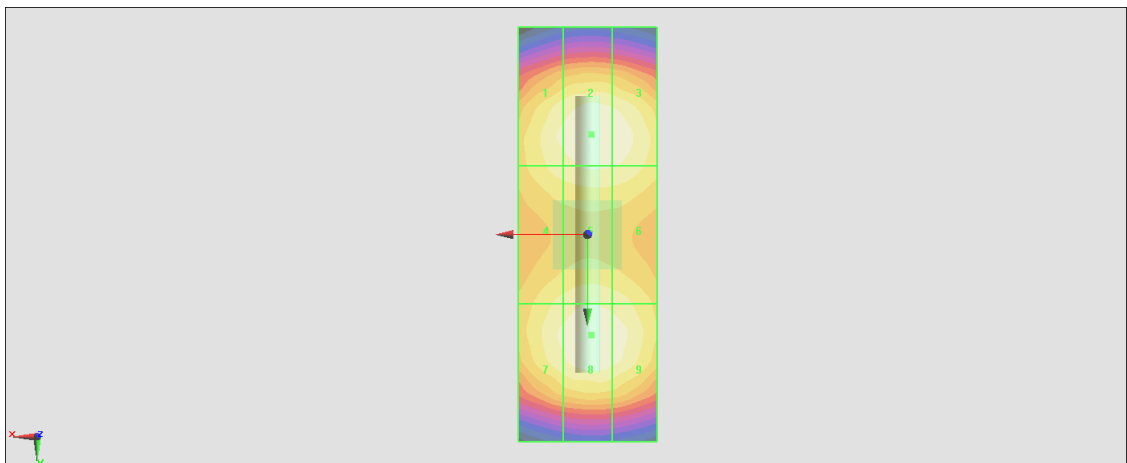
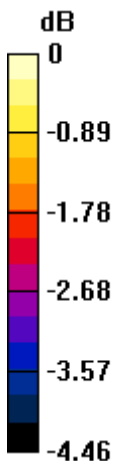
Grid 1 <b>M3</b> <b>82.96 V/m</b>	Grid 2 <b>M3</b> <b>85.23 V/m</b>	Grid 3 <b>M3</b> <b>84.64 V/m</b>
Grid 4 <b>M3</b> <b>81.32 V/m</b>	Grid 5 <b>M3</b> <b>82.82 V/m</b>	Grid 6 <b>M3</b> <b>82.61 V/m</b>
Grid 7 <b>M3</b> <b>82.99 V/m</b>	Grid 8 <b>M3</b> <b>85.11 V/m</b>	Grid 9 <b>M3</b> <b>84.10 V/m</b>

#### Cursor:

Total = 85.23 V/m

E Category: M3

Location: -0.5, -14.5, 9.7 mm



0 dB = 85.23 V/m = 38.61 dBV/m

## HAC\_E\_Dipole\_5500

### DUT: HAC Dipole 5500 MHz

Communication System: CW ; 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) @ 5500 MHz; Calibrated: 2020/12/18

- Sensor-Surface: (Fix Surface)

- Electronics: DAE4 Sn854; Calibrated: 2020/5/26

- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;

- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

### E Scan - measurement distance from the probe sensor center to CD5500 = 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 = 28.69 V/m; Power Drift = 0.13 dB

PMR not calibrated. PMF = 1.000 is applied.

E-field emissions = 111.4 V/m

Average value of Total=(91.84+94.28) / 2 = 93.06 V/m

#### PMF scaled E-field

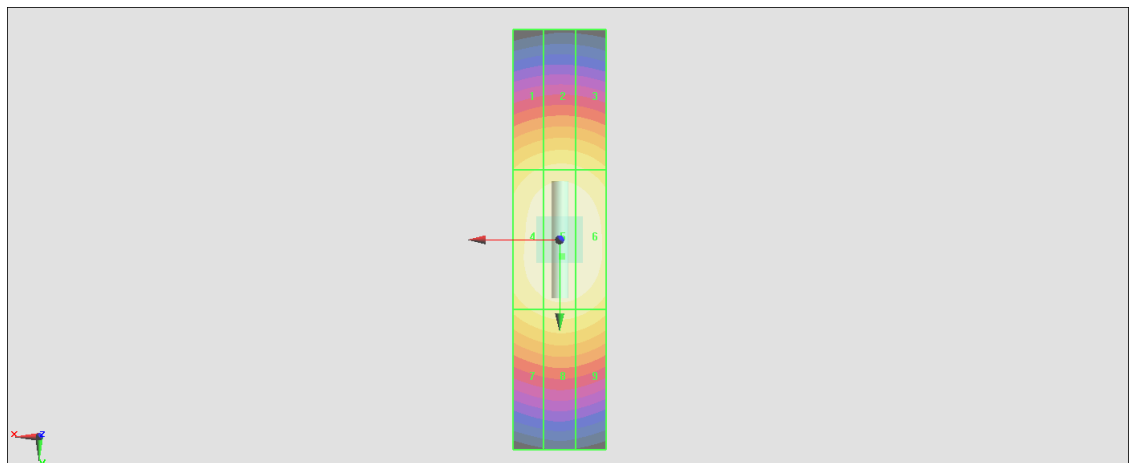
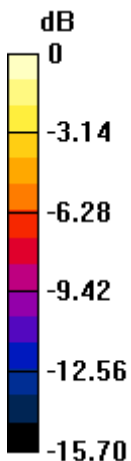
Grid 1 <b>M3</b> <b>89.61 V/m</b>	Grid 2 <b>M3</b> <b>91.84 V/m</b>	Grid 3 <b>M3</b> <b>90.37 V/m</b>
Grid 4 <b>M3</b> <b>107.4 V/m</b>	Grid 5 <b>M3</b> <b>111.4 V/m</b>	Grid 6 <b>M3</b> <b>110.0 V/m</b>
Grid 7 <b>M3</b> <b>91.80 V/m</b>	Grid 8 <b>M3</b> <b>94.28 V/m</b>	Grid 9 <b>M3</b> <b>92.53 V/m</b>

#### Cursor:

Total = 111.4 V/m

E Category: M3

Location: -0.5, 3.5, 9.7 mm



0 dB = 111.4 V/m = 40.94 dBV/m