

## 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 - SN4047; ConvF(1, 1, 1) @ 835 MHz; Calibrated: 2019/1/30
- Sensor-Surface: (Fix Surface)
- Electronics: DAE3 Sn495; Calibrated: 2020/7/21
- 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 = 126.6 V/m; Power Drift = -0.10 dB

PMR not calibrated. PMF = 1.000 is applied.

E-field emissions = 110.2 V/m

Average value of Total=(110.2+107.9) / 2 = 109.05 V/m

#### PMF scaled E-field

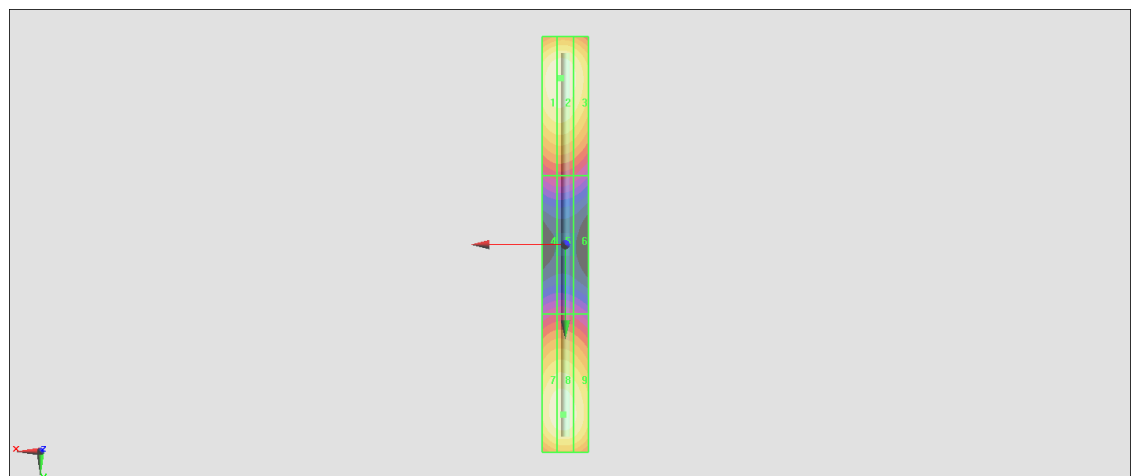
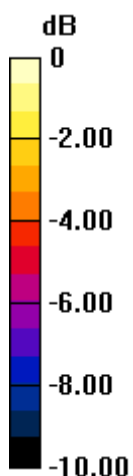
|                                      |                                      |                                      |
|--------------------------------------|--------------------------------------|--------------------------------------|
| Grid 1 <b>M4</b><br><b>109.7 V/m</b> | Grid 2 <b>M4</b><br><b>110.2 V/m</b> | Grid 3 <b>M4</b><br><b>104.6 V/m</b> |
| Grid 4 <b>M4</b><br><b>62.33 V/m</b> | Grid 5 <b>M4</b><br><b>62.44 V/m</b> | Grid 6 <b>M4</b><br><b>59.98 V/m</b> |
| Grid 7 <b>M4</b><br><b>107.2 V/m</b> | Grid 8 <b>M4</b><br><b>107.9 V/m</b> | Grid 9 <b>M4</b><br><b>104.4 V/m</b> |

#### Cursor:

Total = 110.2 V/m

E Category: M4

Location: 2, -72, 9.7 mm



0 dB = 110.2 V/m = 40.84 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 - SN4047; ConvF(1, 1, 1) @ 1880 MHz; Calibrated: 2019/1/30
- Sensor-Surface: (Fix Surface)
- Electronics: DAE3 Sn495; Calibrated: 2020/7/21
- 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 = 152.7 V/m; Power Drift = 0.01 dB

PMR not calibrated. PMF = 1.000 is applied.

E-field emissions = 86.42 V/m

Average value of Total=(86.42+85.7) / 2 = 86.06 V/m

**PMF scaled E-field**

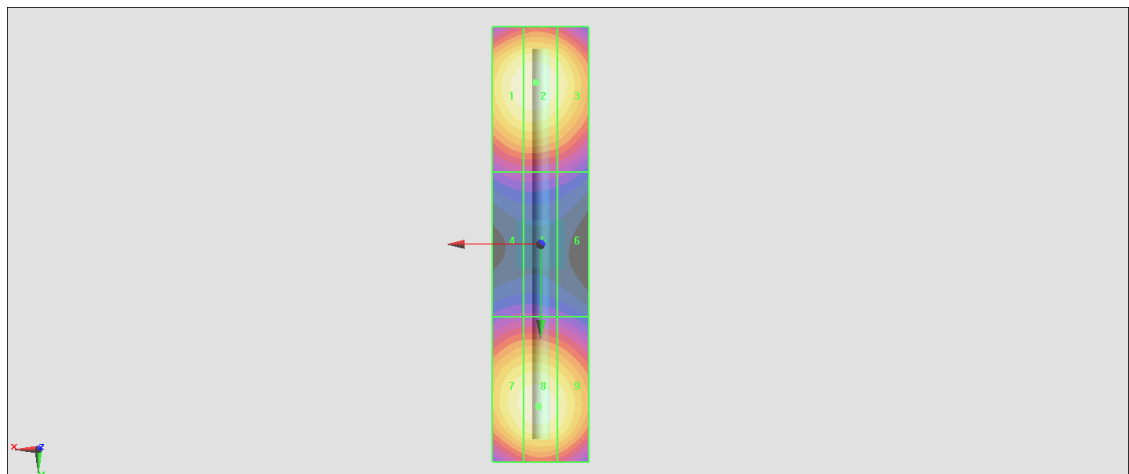
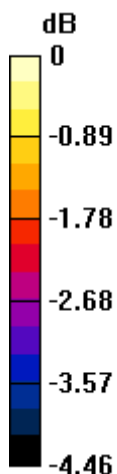
|                                      |                                      |                                      |
|--------------------------------------|--------------------------------------|--------------------------------------|
| Grid 1 <b>M3</b><br><b>86.06 V/m</b> | Grid 2 <b>M3</b><br><b>86.42 V/m</b> | Grid 3 <b>M3</b><br><b>83.65 V/m</b> |
| Grid 4 <b>M3</b><br><b>64.04 V/m</b> | Grid 5 <b>M3</b><br><b>64.11 V/m</b> | Grid 6 <b>M4</b><br><b>62.88 V/m</b> |
| Grid 7 <b>M3</b><br><b>84.75 V/m</b> | Grid 8 <b>M3</b><br><b>85.70 V/m</b> | Grid 9 <b>M3</b><br><b>83.42 V/m</b> |

**Cursor:**

Total = 86.42 V/m

E Category: M3

Location: 1, -33.5, 9.7 mm



0 dB = 86.42 V/m = 38.73 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 - SN4047; ConvF(1, 1, 1) @ 2450 MHz; Calibrated: 2020/1/24
- Sensor-Surface: (Fix Surface)
- Electronics: DAE3 Sn495; Calibrated: 2020/7/21
- 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 = 79.98 V/m; Power Drift = 0.01 dB

PMR not calibrated. PMF = 1.000 is applied.

E-field emissions = 85.51 V/m

Average value of Total=(84.93+85.51) / 2 = 85.22 V/m

PMF scaled E-field

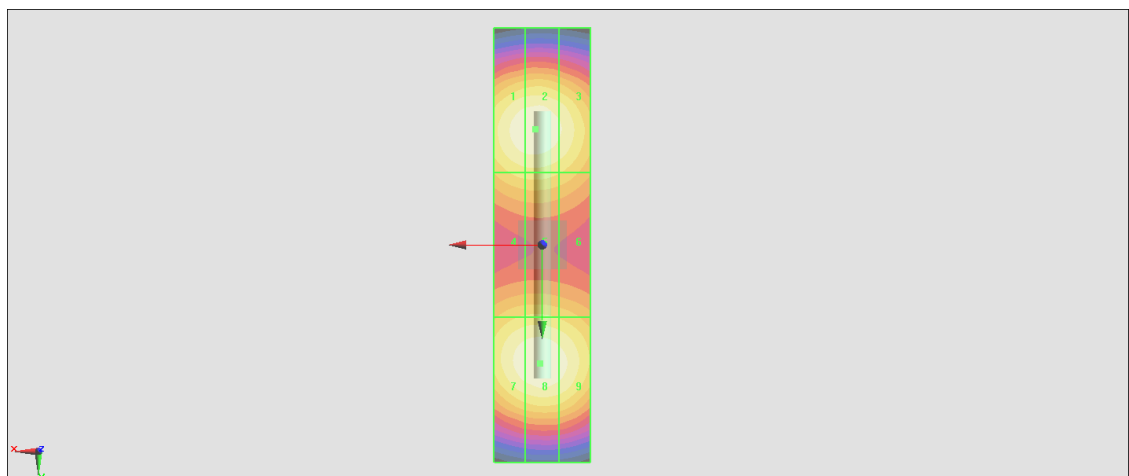
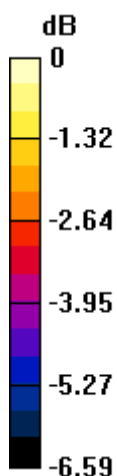
|                                      |                                      |                                      |
|--------------------------------------|--------------------------------------|--------------------------------------|
| Grid 1 <b>M3</b><br><b>84.58 V/m</b> | Grid 2 <b>M3</b><br><b>84.93 V/m</b> | Grid 3 <b>M3</b><br><b>81.92 V/m</b> |
| Grid 4 <b>M3</b><br><b>75.61 V/m</b> | Grid 5 <b>M3</b><br><b>75.88 V/m</b> | Grid 6 <b>M3</b><br><b>73.84 V/m</b> |
| Grid 7 <b>M3</b><br><b>84.18 V/m</b> | Grid 8 <b>M3</b><br><b>85.51 V/m</b> | Grid 9 <b>M3</b><br><b>83.31 V/m</b> |

**Cursor:**

Total = 85.51 V/m

E Category: M3

Location: 0.5, 24.5, 9.7 mm



0 dB = 85.51 V/m = 38.64 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 - SN4047; ConvF(1, 1, 1) @ 2600 MHz; Calibrated: 2020/1/24
- Sensor-Surface: (Fix Surface)
- Electronics: DAE3 Sn495; Calibrated: 2020/7/21
- 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 = 69.59 V/m; Power Drift = 0.02 dB

PMR not calibrated. PMF = 1.000 is applied.

E-field emissions = 87.64 V/m

Average value of Total=(86.33+87.64) / 2 = 86.985 V/m

**PMF scaled E-field**

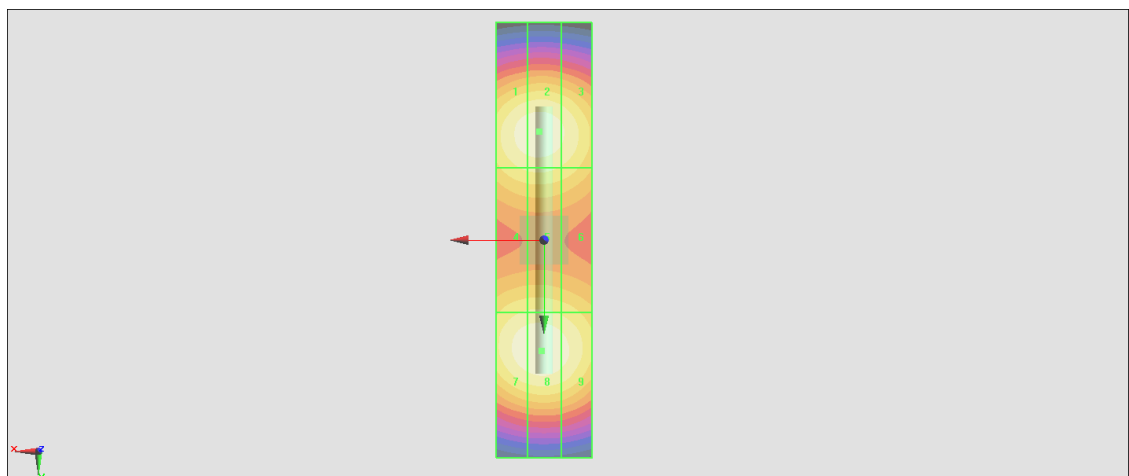
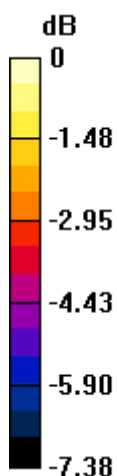
|                                      |                                      |                                      |
|--------------------------------------|--------------------------------------|--------------------------------------|
| <b>Grid 1 M3</b><br><b>85.58 V/m</b> | <b>Grid 2 M3</b><br><b>86.33 V/m</b> | <b>Grid 3 M3</b><br><b>83.67 V/m</b> |
| <b>Grid 4 M3</b><br><b>79.33 V/m</b> | <b>Grid 5 M3</b><br><b>79.86 V/m</b> | <b>Grid 6 M3</b><br><b>77.93 V/m</b> |
| <b>Grid 7 M3</b><br><b>86.51 V/m</b> | <b>Grid 8 M3</b><br><b>87.64 V/m</b> | <b>Grid 9 M3</b><br><b>85.10 V/m</b> |

**Cursor:**

Total = 87.64 V/m

E Category: M3

Location: 0.5, 23, 9.7 mm



0 dB = 87.64 V/m = 38.85 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 - SN4047; ConvF(1, 1, 1) @ 5500 MHz; Calibrated: 2020/1/24
- Sensor-Surface: (Fix Surface)
- Electronics: DAE3 Sn495; Calibrated: 2020/7/21
- 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 = 29.82 V/m; Power Drift = -0.01 dB

PMR not calibrated. PMF = 1.000 is applied.

E-field emissions = 110.9 V/m

Average value of Total=(89.28+94.53) / 2 = 91.905 V/m

**PMF scaled E-field**

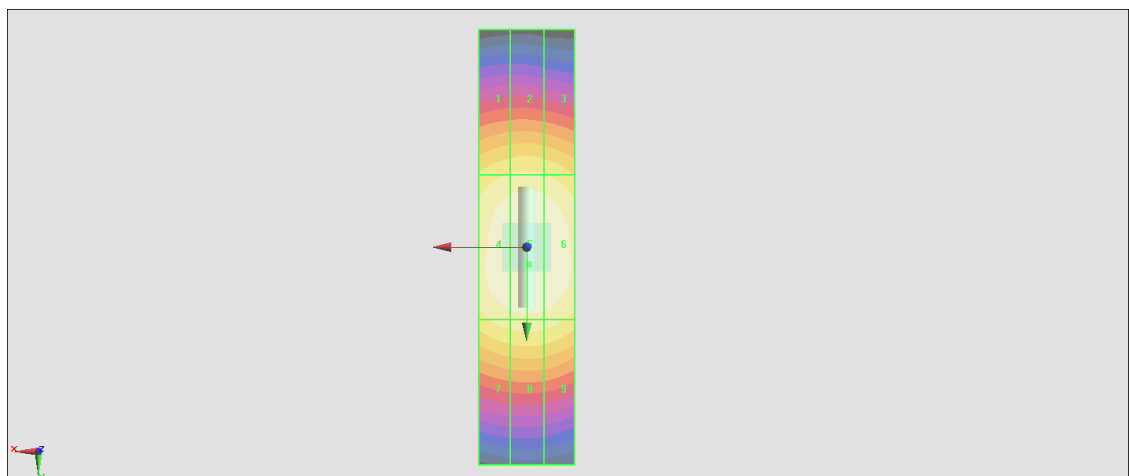
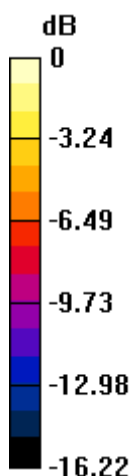
|                                      |                                      |                                      |
|--------------------------------------|--------------------------------------|--------------------------------------|
| <b>Grid 1 M3</b><br><b>87.21 V/m</b> | <b>Grid 2 M3</b><br><b>89.28 V/m</b> | <b>Grid 3 M3</b><br><b>87.21 V/m</b> |
| <b>Grid 4 M3</b><br><b>107.8 V/m</b> | <b>Grid 5 M3</b><br><b>110.9 V/m</b> | <b>Grid 6 M3</b><br><b>109.3 V/m</b> |
| <b>Grid 7 M3</b><br><b>92.69 V/m</b> | <b>Grid 8 M3</b><br><b>94.53 V/m</b> | <b>Grid 9 M3</b><br><b>93.17 V/m</b> |

**Cursor:**

Total = 110.9 V/m

E Category: M3

Location: -0.5, 3.5, 9.7 mm



0 dB = 110.9 V/m = 40.90 dBV/m