

**HAC\_E\_Dipole\_835\_180124**

**DUT: CD835V3-SN:1184**

Communication System: UID 0, CW; Frequency: 835 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:** 23.4 °C

DASY5 Configuration:

- Probe: ER3DV6 - SN2302; ConvF(1, 1, 1); Calibrated: 2017.06.23;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1386; Calibrated: 2017.07.20
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

**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 = 113.8 V/m; Power Drift = -0.01 dB

E-field emissions = 115.4 V/m

Average value of Total=(114.1+113.9)/2=114V/m

MIF scaled E-field

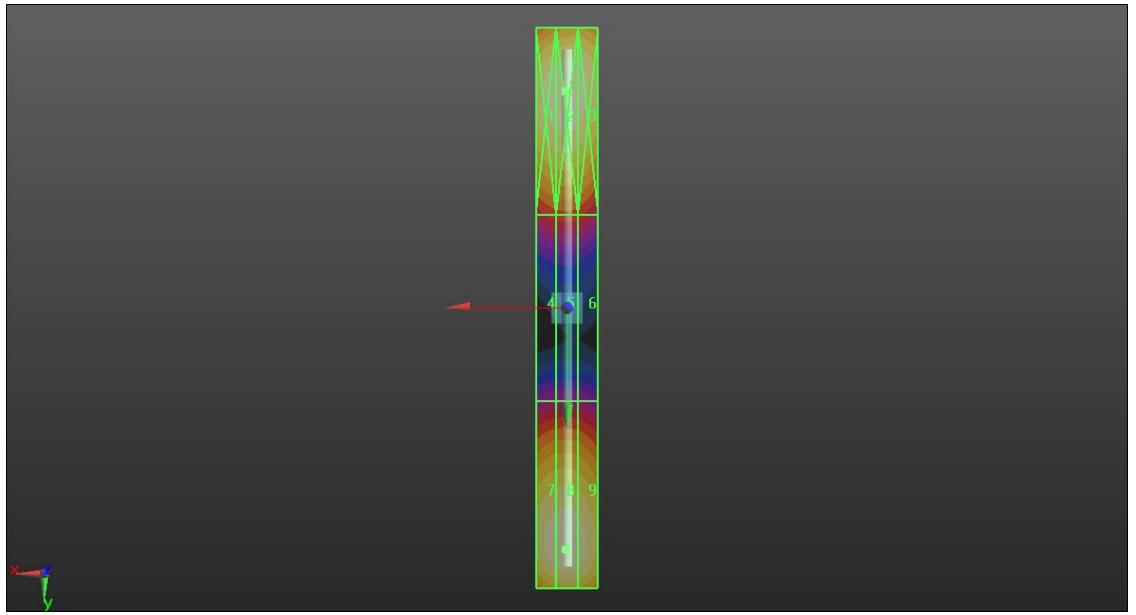
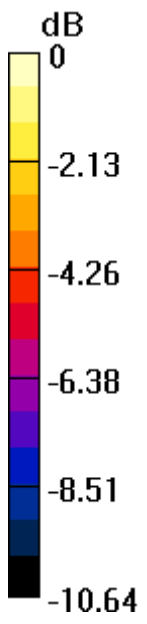
<b>Grid 1 M4</b> <b>114.2 V/m</b>	<b>Grid 2 M4</b> <b>114.1V/m</b>	<b>Grid 3 M4</b> <b>113.3 V/m</b>
<b>Grid 4 M4</b> <b>68.59 V/m</b>	<b>Grid 5 M4</b> <b>69.54 V/m</b>	<b>Grid 6 M4</b> <b>67.75 V/m</b>
<b>Grid 7 M4</b> <b>113.4 V/m</b>	<b>Grid 8 M4</b> <b>113.9 V/m</b>	<b>Grid 9 M4</b> <b>112.4 V/m</b>

**Cursor:**

Total = 115.3 V/m

E Category: M4

Location: 0.5, -69.5, 9.7 mm



0 dB = 116.1 V/m = 41.30 dBV/m

**HAC\_E\_Dipole\_1880\_180124**

**DUT: CD1880V3-SN:1170**

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: ER3DV6 - SN2302; ConvF(1, 1, 1); Calibrated: 2017.06.23;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1386; Calibrated: 2017.07.20
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

**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 = 167.1 V/m; Power Drift = 0.02 dB

E-field emissions = 96.64 V/m

Average value of Total=(93.4+95.7)/2=94.55 V/m

MIF scaled E-field

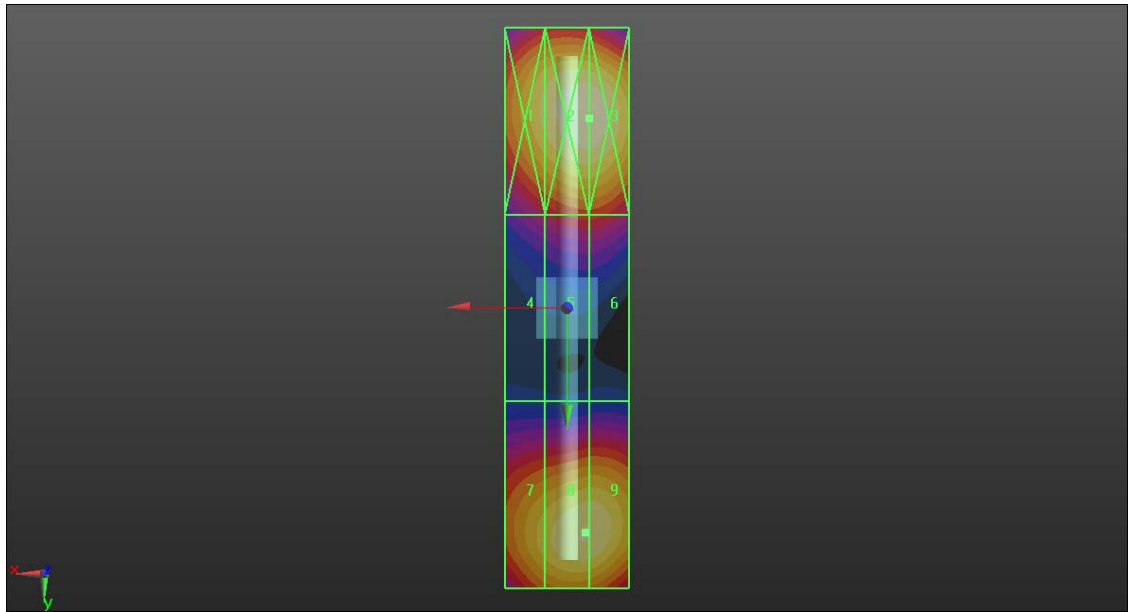
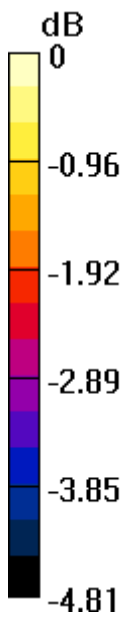
<b>Grid 1 M3</b> <b>95.33 V/m</b>	<b>Grid 2 M3</b> <b>93.4 V/m</b>	<b>Grid 3 M3</b> <b>101.2 V/m</b>
<b>Grid 4 M3</b> <b>75.47 V/m</b>	<b>Grid 5 M3</b> <b>79.62 V/m</b>	<b>Grid 6 M3</b> <b>79.64 V/m</b>
<b>Grid 7 M3</b> <b>92.47 V/m</b>	<b>Grid 8 M3</b> <b>95.7 V/m</b>	<b>Grid 9 M3</b> <b>97.54 V/m</b>

**Cursor:**

Total = 101.2 V/m

E Category: M3

Location: -3.5, -30.5, 9.7 mm



0 dB = 101.3 V/m = 40.23 dBV/m

# HAC\_E\_Dipole\_2450\_180131

## DUT: CD2450V3-1186

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 : 23.2 °C

### DASY5 Configuration

- Probe: ER3DV6 - SN2480; ConvF(1, 1, 1); Calibrated: 2017/12/15;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn854; Calibrated: 2017/5/2
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7373)

### 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 = 73.02 V/m; Power Drift = 0.01 dB

PMR not calibrated. PMF = 1.000 is applied.

E-field emissions = 89.42 V/m

Average value of Total=(81.75+89.42) / 2 = 85.585 V/m

### PMF scaled E-field

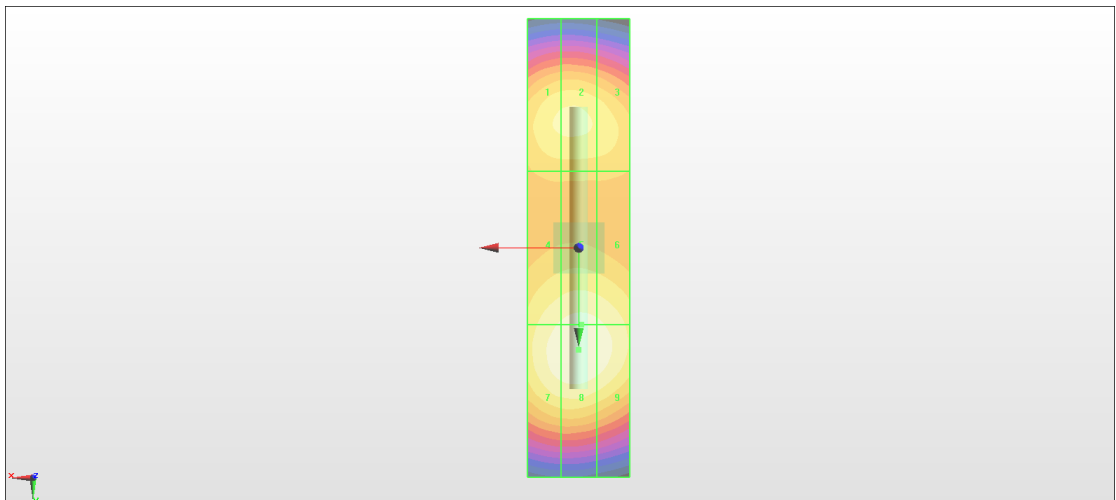
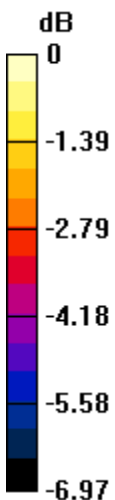
Grid 1 <b>M3</b> <b>81.28 V/m</b>	Grid 2 <b>M3</b> <b>81.75 V/m</b>	Grid 3 <b>M3</b> <b>79.89 V/m</b>
Grid 4 <b>M3</b> <b>85.39 V/m</b>	Grid 5 <b>M3</b> <b>86.91 V/m</b>	Grid 6 <b>M3</b> <b>85.89 V/m</b>
Grid 7 <b>M3</b> <b>87.91 V/m</b>	Grid 8 <b>M3</b> <b>89.42 V/m</b>	Grid 9 <b>M3</b> <b>87.99 V/m</b>

### Cursor:

Total = 89.42 V/m

E Category: M3

Location: 0, 20, 9.7 mm



0 dB = 89.42 V/m = 39.03 dBV/m

# HAC\_E\_Dipole\_2600\_180124

## DUT: CD2600V3-1010

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 : 23.2 °C

### DASY5 Configuration

- Probe: ER3DV6 - SN2302; ConvF(1, 1, 1); Calibrated: 2017.06.23;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1386; Calibrated: 2017.07.20
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7373)

### 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 = 70.64 V/m; Power Drift = -0.01 dB

PMR not calibrated. PMF = 1.000 is applied.

E-field emissions = 87.97 V/m

Average value of Total=(87.97+79.31) / 2 = 83.64 V/m

PMF scaled E-field

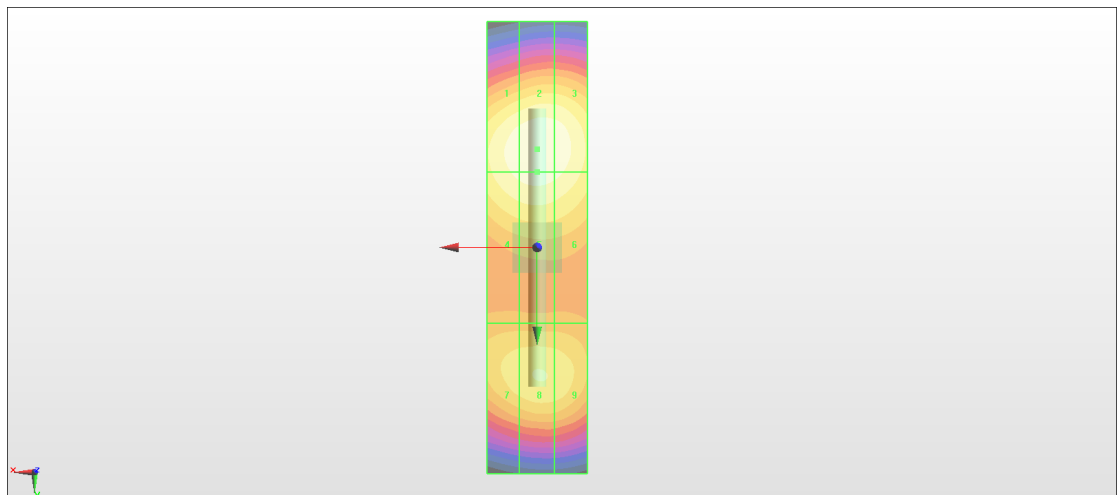
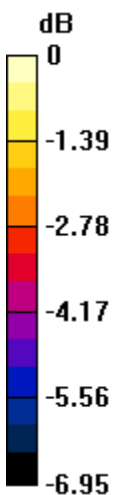
Grid 1 <b>M3</b> <b>86.48 V/m</b>	Grid 2 <b>M3</b> <b>87.97 V/m</b>	Grid 3 <b>M3</b> <b>86.85 V/m</b>
Grid 4 <b>M3</b> <b>84.79 V/m</b>	Grid 5 <b>M3</b> <b>85.97 V/m</b>	Grid 6 <b>M3</b> <b>84.78 V/m</b>
Grid 7 <b>M3</b> <b>77.94 V/m</b>	Grid 8 <b>M3</b> <b>79.31 V/m</b>	Grid 9 <b>M3</b> <b>78.64 V/m</b>

**Cursor:**

Total = 87.97 V/m

E Category: M3

Location: 0, -19.5, 9.7 mm



0 dB = 87.97 V/m = 38.89 dBV/m

# HAC\_E\_Dipole\_2600\_180131

## DUT: CD2600V3-1010

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 : 23.2 °C

### DASY5 Configuration

- Probe: ER3DV6 - SN2302; ConvF(1, 1, 1); Calibrated: 2017.06.23;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1386; Calibrated: 2017.07.20
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7373)

### 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 = 68.86 V/m; Power Drift = 0.01 dB

PMR not calibrated. PMF = 1.000 is applied.

E-field emissions = 85.44 V/m

Average value of Total=(78.13+85.44) / 2 = 81.785 V/m

### PMF scaled E-field

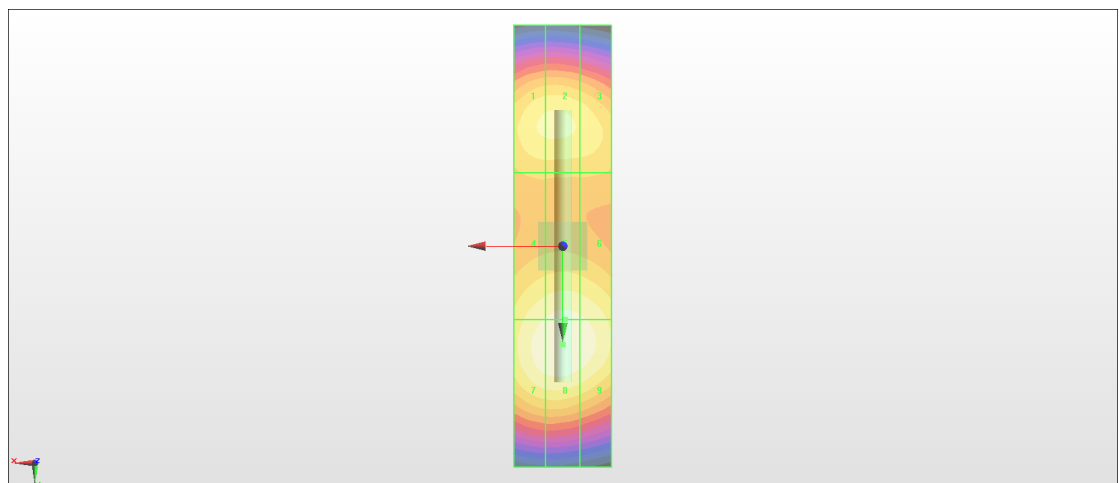
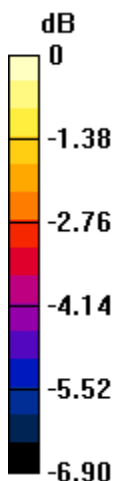
Grid 1 <b>M3</b> <b>77.82 V/m</b>	Grid 2 <b>M3</b> <b>78.13 V/m</b>	Grid 3 <b>M3</b> <b>76.47 V/m</b>
Grid 4 <b>M3</b> <b>81.46 V/m</b>	Grid 5 <b>M3</b> <b>82.87 V/m</b>	Grid 6 <b>M3</b> <b>81.95 V/m</b>
Grid 7 <b>M3</b> <b>84.13 V/m</b>	Grid 8 <b>M3</b> <b>85.44 V/m</b>	Grid 9 <b>M3</b> <b>84.15 V/m</b>

### Cursor:

Total = 85.44 V/m

E Category: M3

Location: 0, 20, 9.7 mm



0 dB = 85.44 V/m = 38.63 dBV/m