

**HAC\_E\_Dipole\_835\_140707****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 : 23.5 °C

**DASY5 Configuration**

- Probe: ER3DV6 - SN2358; ConvF(1, 1, 1); Calibrated: 2014/1/30;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1338; Calibrated: 2013/11/5
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

**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 = 107.9 V/m; Power Drift = -0.01 dB

PMR not calibrated. PMF = 1.000 is applied.

E-field emissions = 112.5 V/m

**Average value of Total=(112.5+108.3) / 2 = 110.4 V/m**

**PMF scaled E-field**

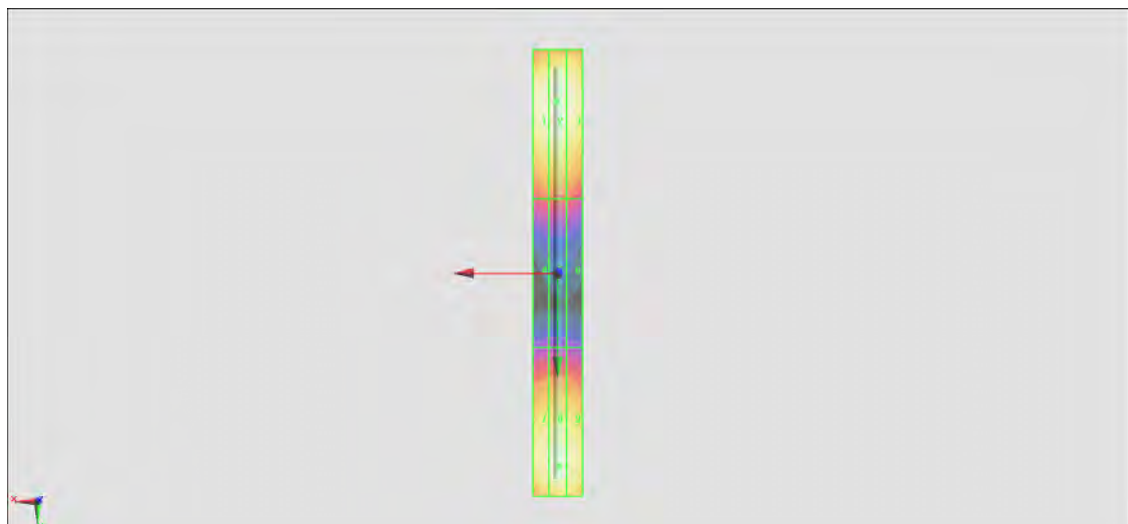
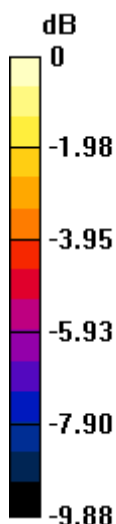
|                                      |                                      |                                      |
|--------------------------------------|--------------------------------------|--------------------------------------|
| Grid 1 <b>M4</b><br><b>111.4 V/m</b> | Grid 2 <b>M4</b><br><b>112.5 V/m</b> | Grid 3 <b>M4</b><br><b>110.1 V/m</b> |
| Grid 4 <b>M4</b><br><b>69.30 V/m</b> | Grid 5 <b>M4</b><br><b>69.72 V/m</b> | Grid 6 <b>M4</b><br><b>68.05 V/m</b> |
| Grid 7 <b>M4</b><br><b>106.1 V/m</b> | Grid 8 <b>M4</b><br><b>108.3 V/m</b> | Grid 9 <b>M4</b><br><b>106.8 V/m</b> |

**Cursor:**

Total = 112.5 V/m

E Category: M4

Location: 0.5, -69, 9.7 mm



$$0 \text{ dB} = 112.5 \text{ V/m} = 41.02 \text{ dBV/m}$$

**HAC\_E\_Dipole\_1880\_140707****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 : 23.5 °C

**DASY5 Configuration**

- Probe: ER3DV6 - SN2358; ConvF(1, 1, 1); Calibrated: 2014/1/30;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1338; Calibrated: 2013/11/5
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

**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 = 149.8 V/m; Power Drift = 0.02 dB

PMR not calibrated. PMF = 1.000 is applied.

E-field emissions = 89.39 V/m

**Average value of Total=(89.39+83.51) / 2 = 86.45 V/m**

**PMF scaled E-field**

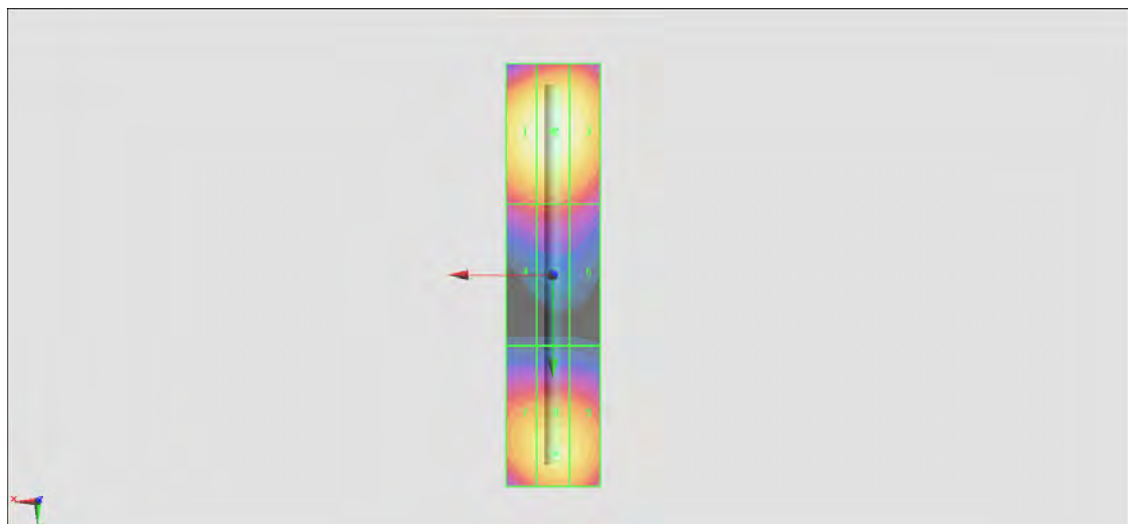
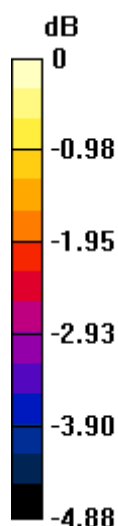
|                                      |                                      |                                      |
|--------------------------------------|--------------------------------------|--------------------------------------|
| Grid 1 <b>M3</b><br><b>88.03 V/m</b> | Grid 2 <b>M3</b><br><b>89.39 V/m</b> | Grid 3 <b>M3</b><br><b>87.61 V/m</b> |
| Grid 4 <b>M3</b><br><b>70.50 V/m</b> | Grid 5 <b>M3</b><br><b>71.43 V/m</b> | Grid 6 <b>M3</b><br><b>69.62 V/m</b> |
| Grid 7 <b>M3</b><br><b>81.33 V/m</b> | Grid 8 <b>M3</b><br><b>83.51 V/m</b> | Grid 9 <b>M3</b><br><b>82.68 V/m</b> |

**Cursor:**

Total = 89.39 V/m

E Category: M3

Location: 0, -30.5, 9.7 mm



$$0 \text{ dB} = 89.39 \text{ V/m} = 39.03 \text{ dBV/m}$$