

## 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 : 23.6 °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 = 124.3 V/m; Power Drift = 0.02 dB

PMR not calibrated. PMF = 1.000 is applied.

E-field emissions = 115.1 V/m

Average value of Total=(114.3+115.1) / 2 = 114.7 V/m

#### PMF scaled E-field

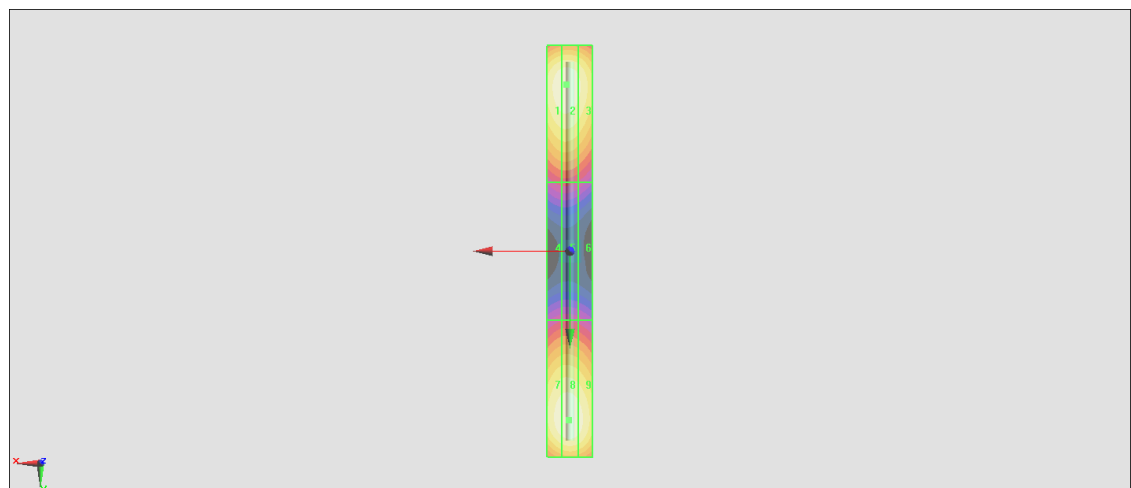
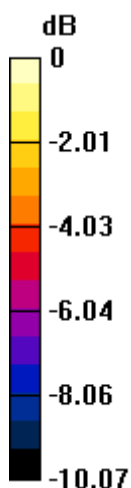
|                                      |                                      |                                      |
|--------------------------------------|--------------------------------------|--------------------------------------|
| Grid 1 <b>M4</b><br><b>113.4 V/m</b> | Grid 2 <b>M4</b><br><b>114.3 V/m</b> | Grid 3 <b>M4</b><br><b>109.0 V/m</b> |
| Grid 4 <b>M4</b><br><b>64.35 V/m</b> | Grid 5 <b>M4</b><br><b>64.52 V/m</b> | Grid 6 <b>M4</b><br><b>61.55 V/m</b> |
| Grid 7 <b>M4</b><br><b>113.2 V/m</b> | Grid 8 <b>M4</b><br><b>115.1 V/m</b> | Grid 9 <b>M4</b><br><b>111.5 V/m</b> |

#### Cursor:

Total = 115.1 V/m

E Category: M4

Location: 0.5, 74, 8.7 mm



0 dB = 115.1 V/m = 41.22 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 : 23.6 °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 = 156.6 V/m; Power Drift = 0.01 dB

PMR not calibrated. PMF = 1.000 is applied.

E-field emissions = 88.19 V/m

Average value of Total=(88.19+86.99) / 2 = 87.59 V/m

**PMF scaled E-field**

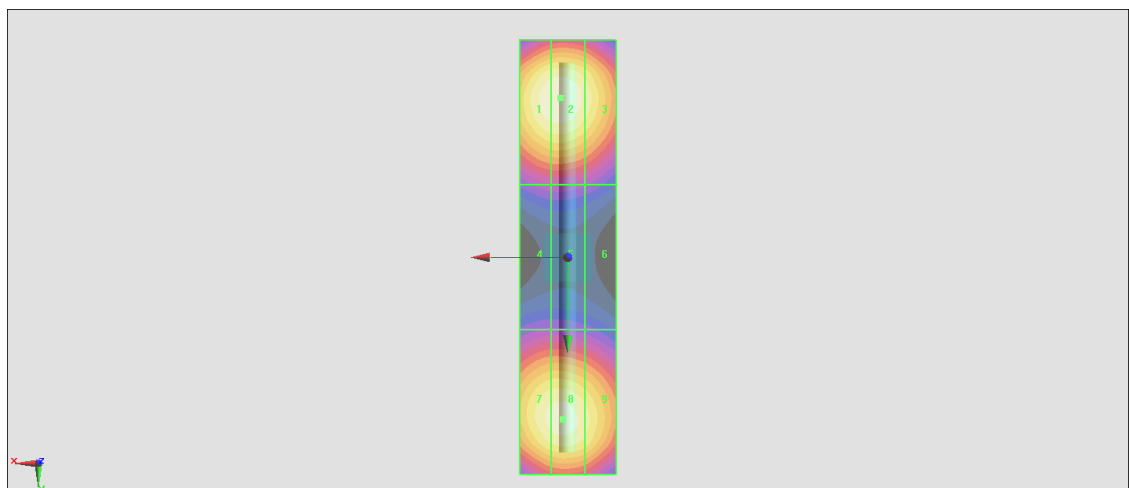
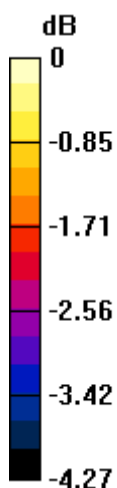
|                                      |                                      |                                      |
|--------------------------------------|--------------------------------------|--------------------------------------|
| <b>Grid 1 M3</b><br><b>87.87 V/m</b> | <b>Grid 2 M3</b><br><b>88.19 V/m</b> | <b>Grid 3 M3</b><br><b>84.77 V/m</b> |
| <b>Grid 4 M3</b><br><b>65.37 V/m</b> | <b>Grid 5 M3</b><br><b>65.47 V/m</b> | <b>Grid 6 M3</b><br><b>64.03 V/m</b> |
| <b>Grid 7 M3</b><br><b>86.27 V/m</b> | <b>Grid 8 M3</b><br><b>86.99 V/m</b> | <b>Grid 9 M3</b><br><b>84.09 V/m</b> |

**Cursor:**

Total = 88.19 V/m

E Category: M3

Location: 1.5, -33, 9.7 mm



0 dB = 88.19 V/m = 38.91 dBV/m