

# 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 : 23.5 °C

### DASY5 Configuration:

- Probe: EF3DV3 - SN4047; ConvF(1, 1, 1) @ 835 MHz; Calibrated: 2019/1/30
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn914; Calibrated: 2019/6/20
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

## 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

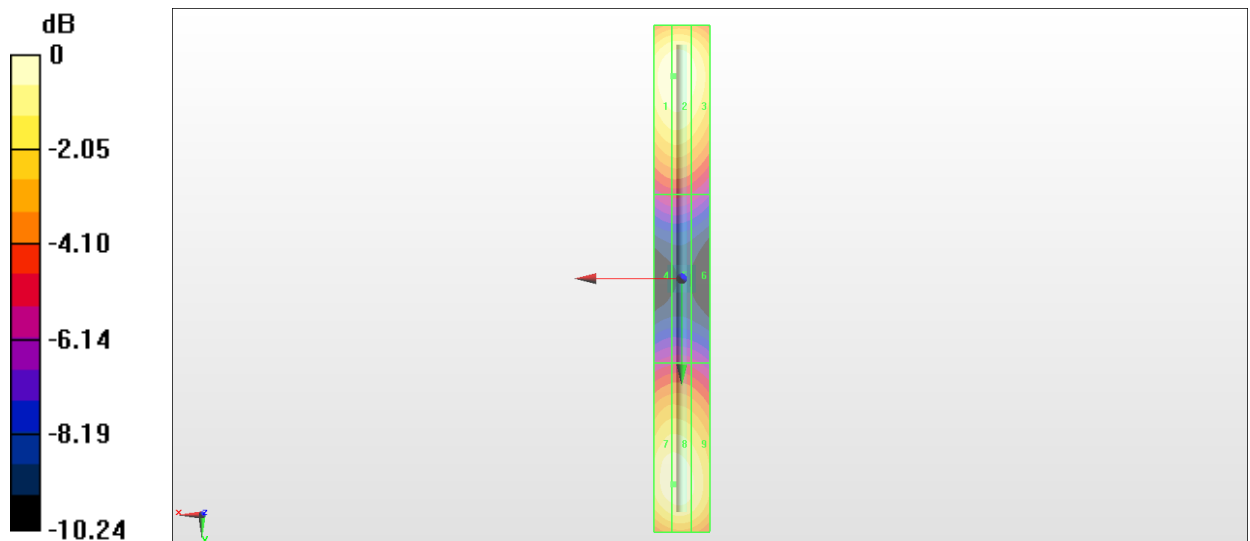
Device Reference Point: 0, 0, -6.3 mm  
 Reference Value = 130.1 V/m; Power Drift = 0.01 dB  
 PMR not calibrated. PMF = 1.000 is applied.  
 E-field emissions = 114.1 V/m  
 Average value of Total=(114.1+112.4) / 2 = 113.25 V/m

PMF scaled E-field

|                                      |                                      |                                      |
|--------------------------------------|--------------------------------------|--------------------------------------|
| Grid 1 <b>M4</b><br><b>114.1 V/m</b> | Grid 2 <b>M4</b><br><b>114.1 V/m</b> | Grid 3 <b>M4</b><br><b>109.0 V/m</b> |
| Grid 4 <b>M4</b><br><b>62.77 V/m</b> | Grid 5 <b>M4</b><br><b>63.04 V/m</b> | Grid 6 <b>M4</b><br><b>60.41 V/m</b> |
| Grid 7 <b>M4</b><br><b>112.3 V/m</b> | Grid 8 <b>M4</b><br><b>112.4 V/m</b> | Grid 9 <b>M4</b><br><b>107.3 V/m</b> |

### Cursor:

Total = 114.1 V/m  
 E Category: M4  
 Location: 3, -72, 9.7 mm



0 dB = 114.1 V/m = 41.15 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 : 23.5 °C

### DASY5 Configuration:

- Probe: EF3DV3 - SN4047; ConvF(1, 1, 1) @ 1880 MHz; Calibrated: 2019/1/30
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn914; Calibrated: 2019/6/20
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

## 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 = 88.21 V/m

Average value of Total=(88.21+87.01) / 2 = 87.61 V/m

PMF scaled E-field

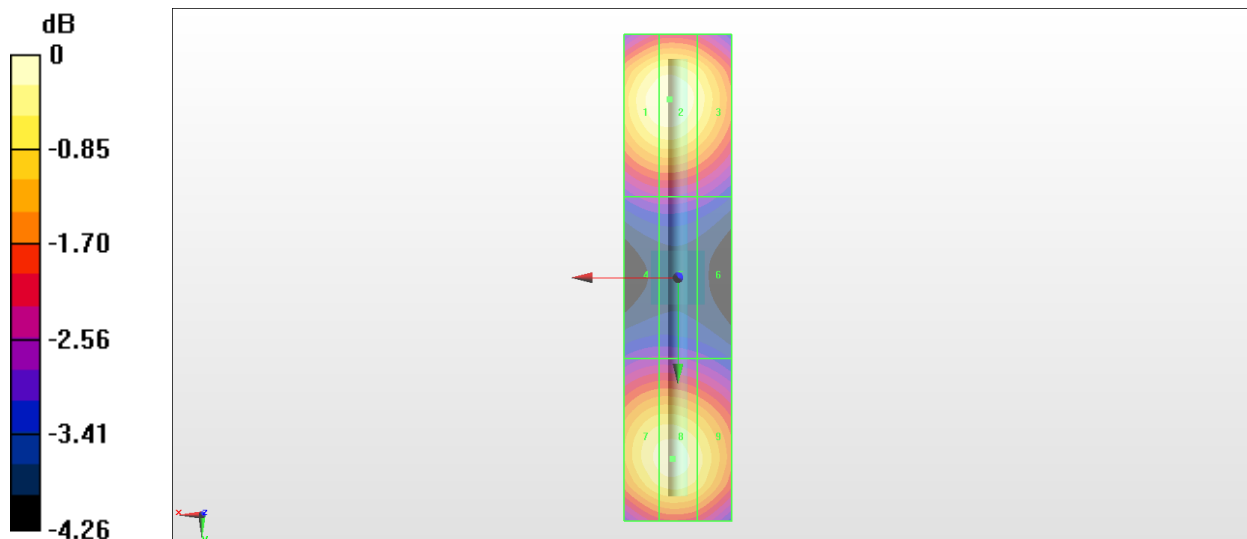
|                                      |                                      |                                      |
|--------------------------------------|--------------------------------------|--------------------------------------|
| Grid 1 <b>M3</b><br><b>87.89 V/m</b> | Grid 2 <b>M3</b><br><b>88.21 V/m</b> | Grid 3 <b>M3</b><br><b>84.78 V/m</b> |
| Grid 4 <b>M3</b><br><b>65.54 V/m</b> | Grid 5 <b>M3</b><br><b>65.64 V/m</b> | Grid 6 <b>M3</b><br><b>64.19 V/m</b> |
| Grid 7 <b>M3</b><br><b>86.29 V/m</b> | Grid 8 <b>M3</b><br><b>87.01 V/m</b> | Grid 9 <b>M3</b><br><b>84.10 V/m</b> |

### Cursor:

Total = 88.21 V/m

E Category: M3

Location: 1.5, -33, 9.7 mm



0 dB = 88.21 V/m = 38.91 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 : 23.5 °C

### DASY5 Configuration:

- Probe: EF3DV3 - SN4047; ConvF(1, 1, 1) @ 2600 MHz; Calibrated: 2019/1/30
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn854; Calibrated: 2019/5/21
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

## 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 = 74.00 V/m; Power Drift = 0.03 dB

PMR not calibrated. PMF = 1.000 is applied.

E-field emissions = 90.48 V/m

Average value of Total=(87.93+90.48) / 2 = 89.205 V/m

PMF scaled E-field

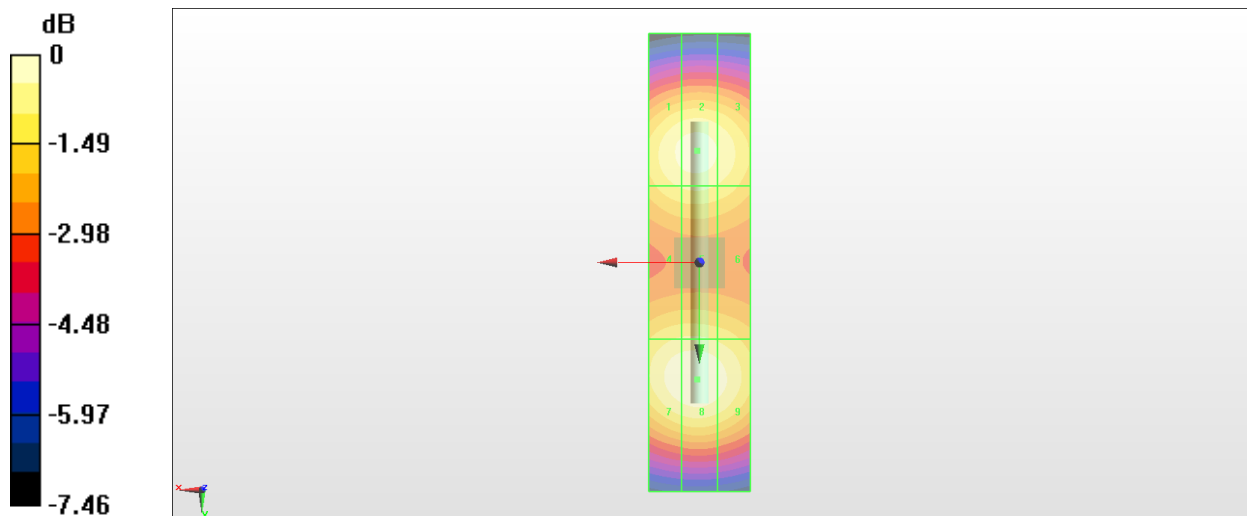
|                                      |                                      |                                      |
|--------------------------------------|--------------------------------------|--------------------------------------|
| Grid 1 <b>M3</b><br><b>86.87 V/m</b> | Grid 2 <b>M3</b><br><b>87.93 V/m</b> | Grid 3 <b>M3</b><br><b>85.45 V/m</b> |
| Grid 4 <b>M3</b><br><b>81.33 V/m</b> | Grid 5 <b>M3</b><br><b>82.07 V/m</b> | Grid 6 <b>M3</b><br><b>80.32 V/m</b> |
| Grid 7 <b>M3</b><br><b>89.47 V/m</b> | Grid 8 <b>M3</b><br><b>90.48 V/m</b> | Grid 9 <b>M3</b><br><b>87.91 V/m</b> |

### Cursor:

Total = 90.48 V/m

E Category: M3

Location: 0.5, 23, 9.7 mm



0 dB = 90.48 V/m = 39.13 dBV/m