



Appendix A. Plots of System Performance Check

The plots are shown as follows.

HAC_E_Dipole_835_130226

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/m³
 Ambient Temperature : 22.4 °C

DASY5 Configuration:

- Probe: ER3DV6 - SN2358; ConvF(1, 1, 1); Calibrated: 2013/1/21;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1279; Calibrated: 2013/1/28
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.8 (4); SEMCAD X Version 14.6.8 (7028)

E Scan - measurement distance from the probe sensor center to CD835 = 10mm & 15mm/Hearing Aid Compatibility Test at 15mm distance (41x361x1): Interpolated grid:

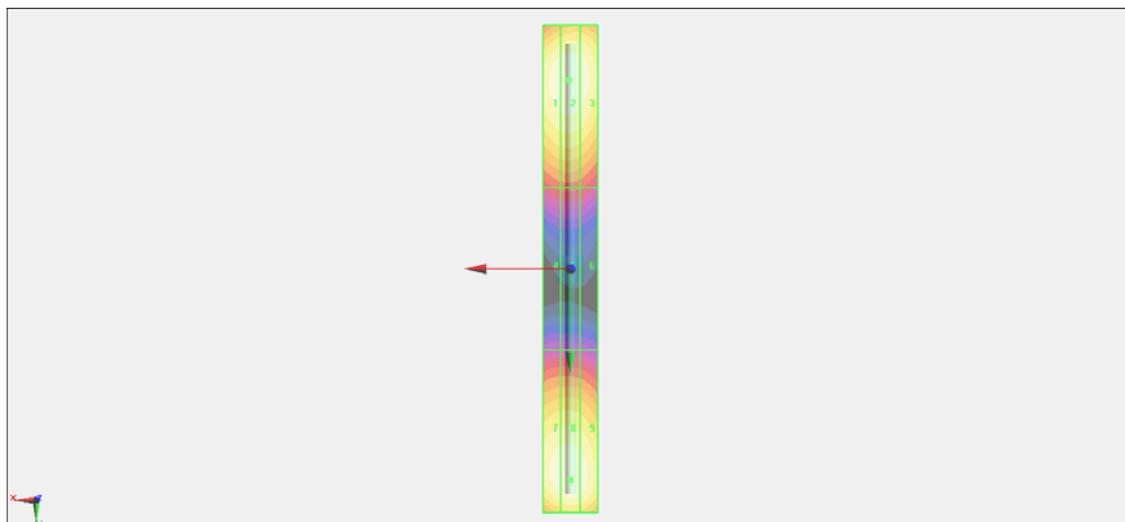
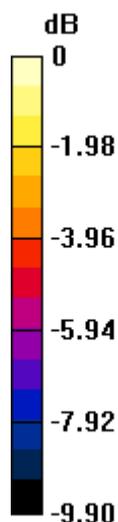
dx=0.5000 mm, dy=0.5000 mm
 Device Reference Point: 0, 0, -6.3 mm
 Reference Value = 115.4 V/m; Power Drift = 0.01 dB
 PMF = 1.000 is applied.
 E-field emissions = 114.3 V/m
 Average value of Total=(114.3+113.8) / 2 = 114.05 V/m

PMF scaled E-field

Grid 1 M4 112.8 V/m	Grid 2 M4 114.3 V/m	Grid 3 M4 112.1 V/m
Grid 4 M4 69.21 V/m	Grid 5 M4 69.78 V/m	Grid 6 M4 68.16 V/m
Grid 7 M4 112.1 V/m	Grid 8 M4 113.8 V/m	Grid 9 M4 111.4 V/m

Cursor:

Total = 114.3 V/m
 E Category: M4
 Location: 0.5, -69.5, 9.7 mm



0 dB = 114.3 V/m = 41.16 dBV/m

HAC_E_Dipole_1880_130226

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/m³

Ambient Temperature : 22.4 °C

DASY5 Configuration:

- Probe: ER3DV6 - SN2358; ConvF(1, 1, 1); Calibrated: 2013/1/21;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1279; Calibrated: 2013/1/28
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.8 (4); SEMCAD X Version 14.6.8 (7028)

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 = 145.5 V/m; Power Drift = 0.01 dB

PMF = 1.000 is applied.

E-field emissions = 87.72 V/m

Average value of Total=(87.72+83.50) / 2 = 85.61V/m

PMF scaled E-field

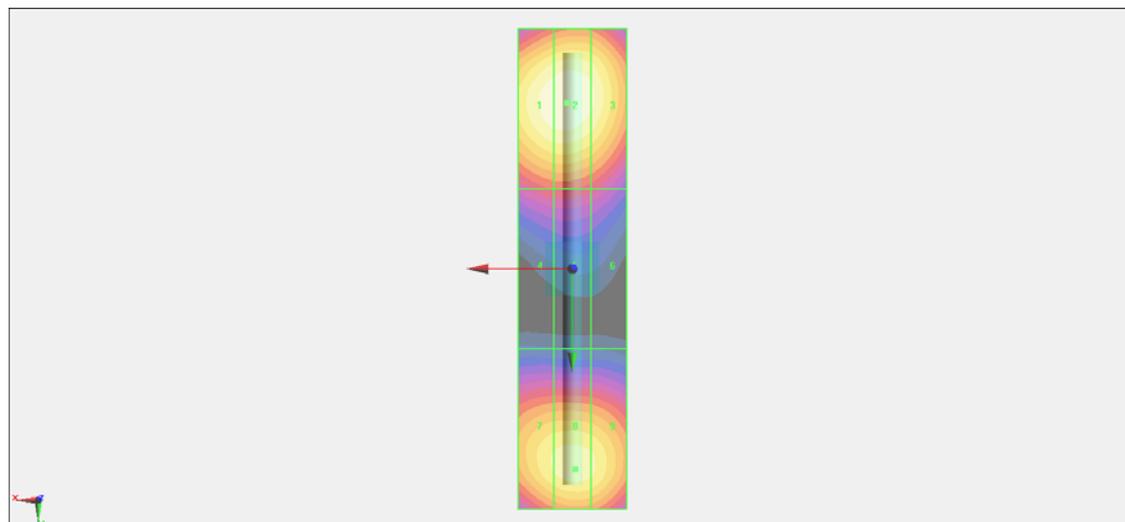
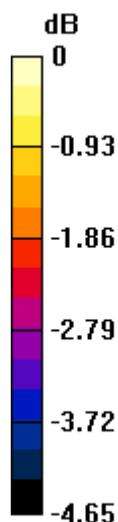
Grid 1 M3 87.04 V/m	Grid 2 M3 87.72 V/m	Grid 3 M3 85.27 V/m
Grid 4 M3 68.56 V/m	Grid 5 M3 68.75 V/m	Grid 6 M3 66.93 V/m
Grid 7 M3 82.14 V/m	Grid 8 M3 83.50 V/m	Grid 9 M3 82.49 V/m

Cursor:

Total = 87.72 V/m

E Category: M3

Location: 1, -31, 9.7 mm



0 dB = 87.72 V/m = 38.86 dBV/m