



Appendix A. Plots of System Performance Check

The plots are shown as follows.

HAC_E_Dipole_835_140609**DUT: HAC-Dipole 835 MHz**

Communication System: UID 10021 - DAA, 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 : 23.4 °C

DASY5 Configuration:

- Probe: ER3DV6 - SN2476; ConvF(1, 1, 1); Calibrated: 2013.11.29;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1358; Calibrated: 2014.04.30
- 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 = 15mm/Hearing Aid Compatibility Test at 15mm distance (41x361x1): Interpolated grid:
dx=5 mm, dy=5 mm

E-field emissions = 106.5 V/m

Reference Value = 103.4 V/m; Power Drift = 0.01 dB

Average value of Total=(106.5+106.0)/2=106.25 V/m

PMF scaled E-field

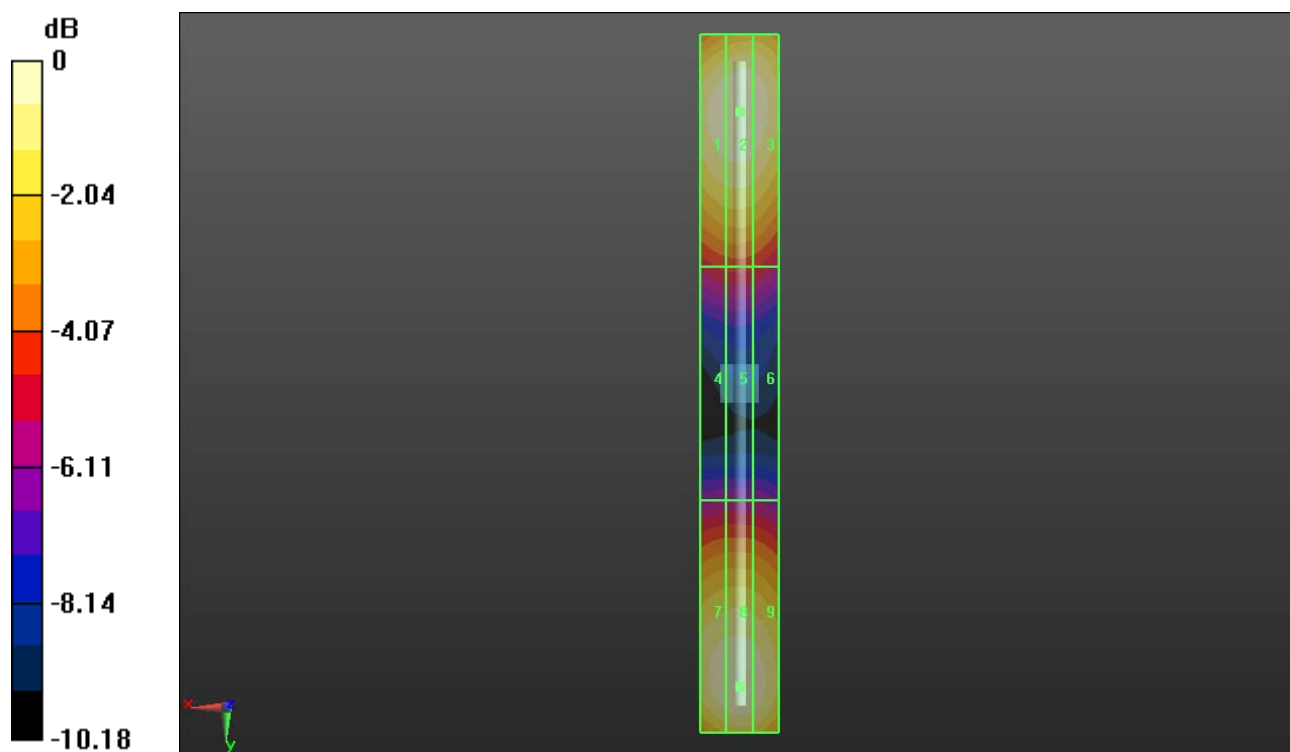
Grid 1 M4 105.2 V/m	Grid 2 M4 106.5 V/m	Grid 3 M4 104.8 V/m
Grid 4 M4 63.12 V/m	Grid 5 M4 63.78 V/m	Grid 6 M4 62.46 V/m
Grid 7 M4 104.6 V/m	Grid 8 M4 106.0 V/m	Grid 9 M4 104.1 V/m

Cursor:

Total = 106.5 V/m

E Category: M4

Location: 0, -70, 9.7 mm



HAC_E_Dipole_1880_140609**DUT: HAC Dipole 1880 MHz**

Communication System: UID 10021 - DAA, 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 : 23.4 °C

DASY5 Configuration:

- Probe: ER3DV6 - SN2476; ConvF(1, 1, 1); Calibrated: 2013.11.29;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1358; Calibrated: 2014.04.30
- 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 = 15mm/Hearing Aid Compatibility Test at 15mm distance (41x181x1): Interpolated grid:

dx=5 mm, dy=5 mm

E-field emissions = 88.11 V/m

Reference Value = 143.2 V/m; Power Drift = -0.02 dB

Average value of Total=(88.11+83.2)/2=85.655 V/m

PMF scaled E-field

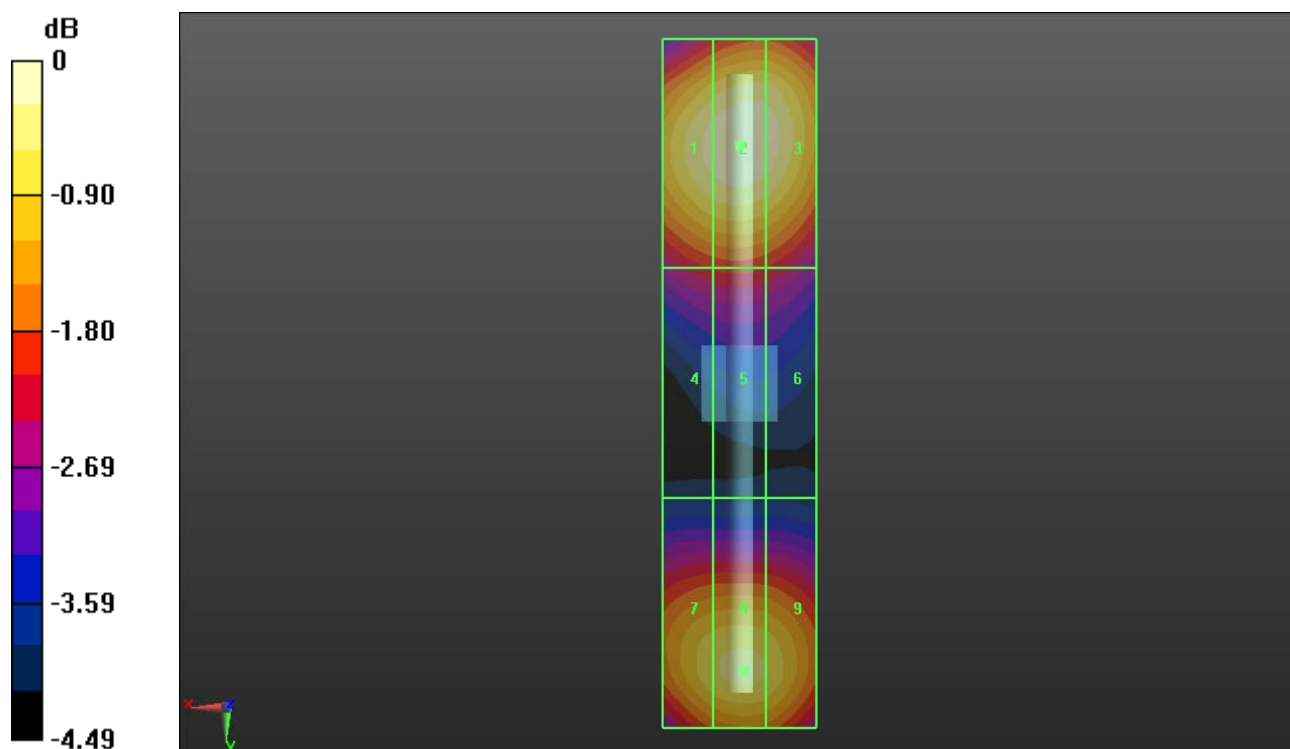
Grid 1 M3 86.46 V/m	Grid 2 M3 88.11 V/m	Grid 3 M3 87.01 V/m
Grid 4 M3 69.55 V/m	Grid 5 M3 70.29 V/m	Grid 6 M3 69.13 V/m
Grid 7 M3 81.75 V/m	Grid 8 M3 83.20 V/m	Grid 9 M3 82.14 V/m

Cursor:

Total = 88.11 V/m

E Category: M3

Location: 0, -31, 9.7 mm



0 dB = 88.11 V/m = 38.90 dBV/m