



Appendix A. Plots of System Performance Check

The plots are shown as follows.

HAC_E_Dipole_835_130521

DUT: HAC-Dipole 835 MHz

Communication System: CW; Frequency: 835 MHz; Duty Cycle: 1:1
 Medium: Air Medium parameters used: $\sigma = 0 \text{ S/m}$, $\epsilon_r = 1$; $\rho = 0 \text{ kg/m}^3$
 Ambient Temperature : 23.2 °C

DASY5 Configuration:

- Probe: ER3DV6 - SN2476; ConvF(1, 1, 1); Calibrated: 2012-12-12;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn679; Calibrated: 2013-1-16
- 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 = 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 = 103.4 V/m; Power Drift = -0.00 dB
 PMR not calibrated. PMF = 1.000 is applied.
 E-field emissions = 106.5 V/m

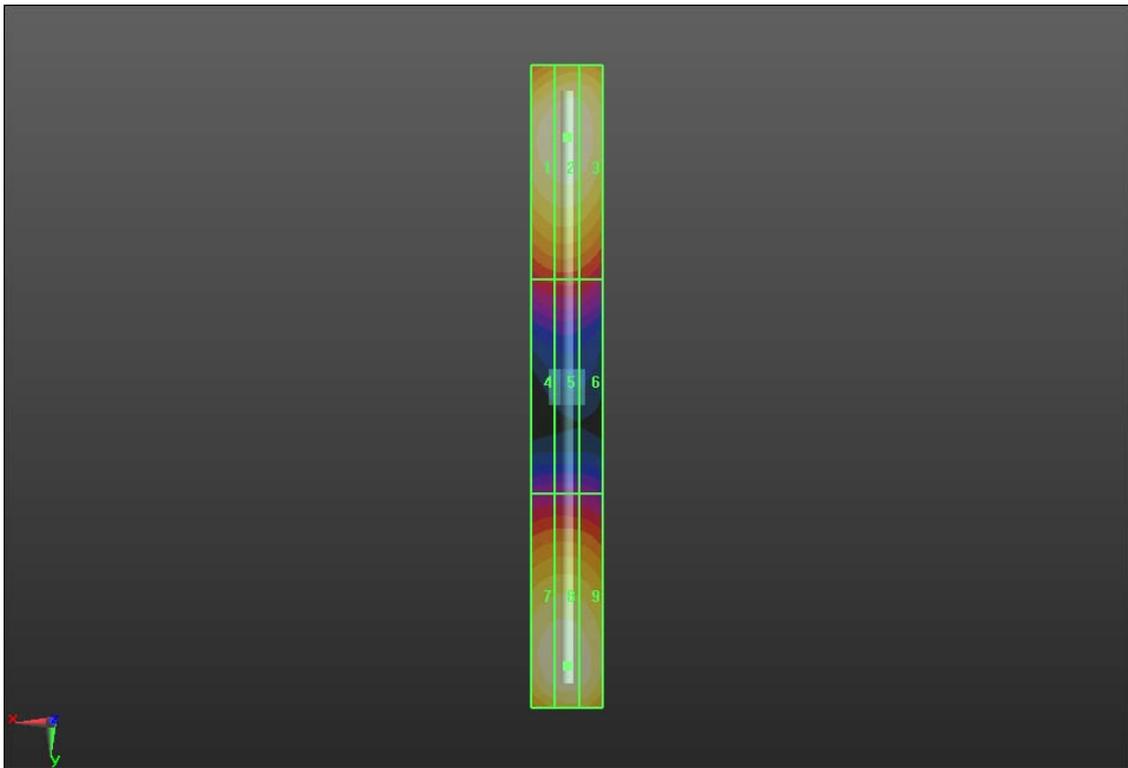
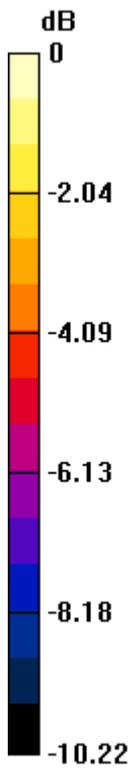
Average value of Total=(106.5+105.9) /2 = 106.2 V/m)

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 63.15 V/m	Grid 5 M4 63.78 V/m	Grid 6 M4 62.52 V/m
Grid 7 M4 104.5 V/m	Grid 8 M4 105.9 V/m	Grid 9 M4 104.0 V/m

Cursor:

Total = 106.5 V/m
 E Category: M4
 Location: 0, -70, 9.7 mm



0 dB = 106.5 V/m = 40.55 dBV/m

HAC_E_Dipole_1880_130521

DUT: HAC Dipole 1880 MHz

Communication System: CW; Frequency: 1880 MHz; Duty Cycle: 1:1
 Medium: Air Medium parameters used: $\sigma = 0 \text{ S/m}$, $\epsilon_r = 1$; $\rho = 0 \text{ kg/m}^3$
 Ambient Temperature : 23.2 °C

DASY5 Configuration:

- Probe: ER3DV6 - SN2476; ConvF(1, 1, 1); Calibrated: 2012-12-12;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn679; Calibrated: 2013-1-16
- 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)

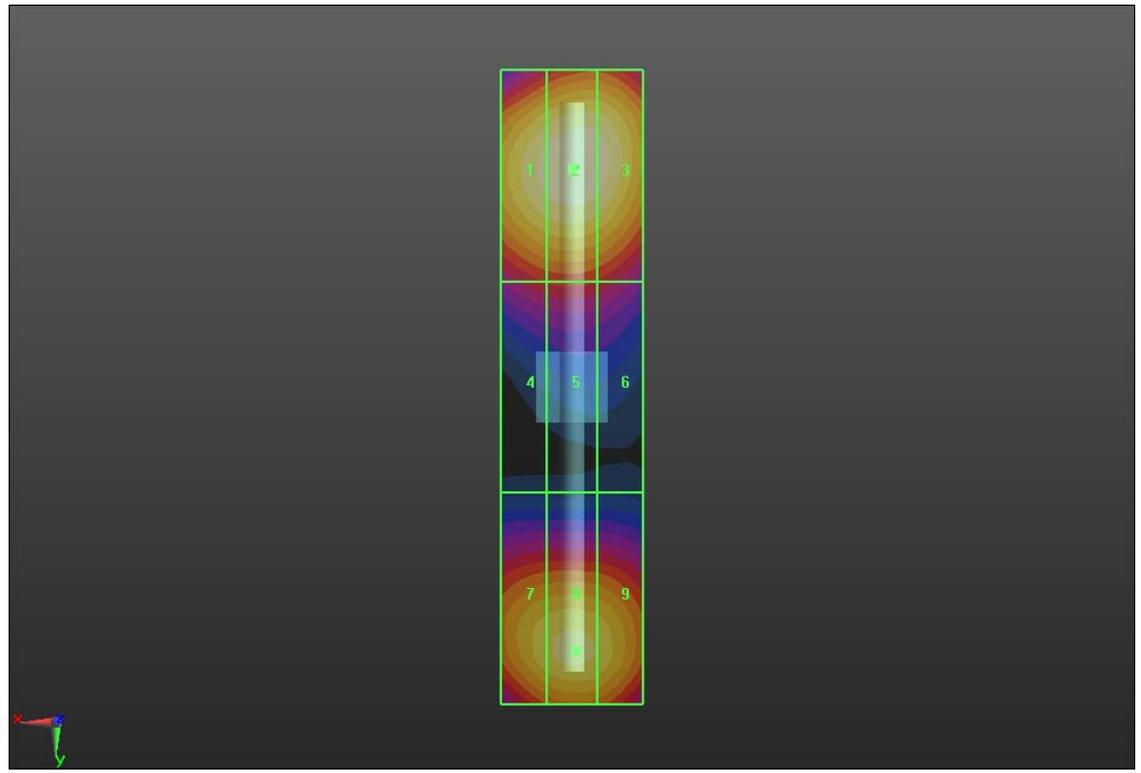
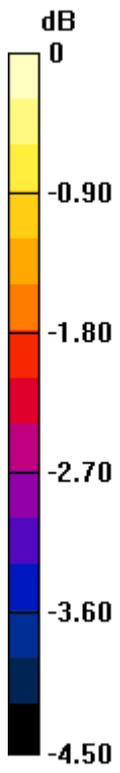
E Scan - measurement distance from the probe sensor center to CD1880 = 15mm/Hearing Aid Compatibility Test at 15mm distance (41x181x1): Interpolated grid:
 dx=0.5000 mm, dy=0.5000 mm
 Device Reference Point: 0, 0, -6.3 mm
 Reference Value = 143.1 V/m; Power Drift = -0.02 dB
 PMR not calibrated. PMF = 1.000 is applied.
 E-field emissions = 87.95 V/m
Average value of Total=(87.95+83.04) /2 = 85.495 V/m)

PMF scaled E-field

Grid 1 M3 86.30 V/m	Grid 2 M3 87.95 V/m	Grid 3 M3 86.85 V/m
Grid 4 M3 69.39 V/m	Grid 5 M3 70.12 V/m	Grid 6 M3 68.97 V/m
Grid 7 M3 81.59 V/m	Grid 8 M3 83.04 V/m	Grid 9 M3 81.98 V/m

Cursor:

Total = 87.95 V/m
 E Category: M3
 Location: 0, -31, 9.7 mm



0 dB = 87.95 V/m = 38.88 dBV/m