



Appendix A. Plots of System Performance Check

The plots are shown as follows.

HAC_E_Dipole_835_130205

DUT: HAC-Dipole 835 MHz

Communication System: CW; Frequency: 835 MHz; Duty Cycle: 1:1

Medium: Air Medium parameters used: $\sigma = 0$ mho/m, $\epsilon_r = 1$; $\rho = 0$ kg/m³

Ambient Temperature : 22.4 °C

DASY5 Configuration:

- Probe: ER3DV6 - SN2476; ConvF(1, 1, 1); Calibrated: 2012/12/12;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn910; Calibrated: 2012/12/5
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.8 (1); SEMCAD X Version 14.6.5 (6469)

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

dx=5mm, dy=5mm

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 117.5 V/m; Power Drift = -0.07 dB

PMF = 1.000 is applied.

E-field emissions = 120.9 V/m

Average value of Total=(107.0+120.9) / 2 = 113.95 V/m

PMF scaled E-field

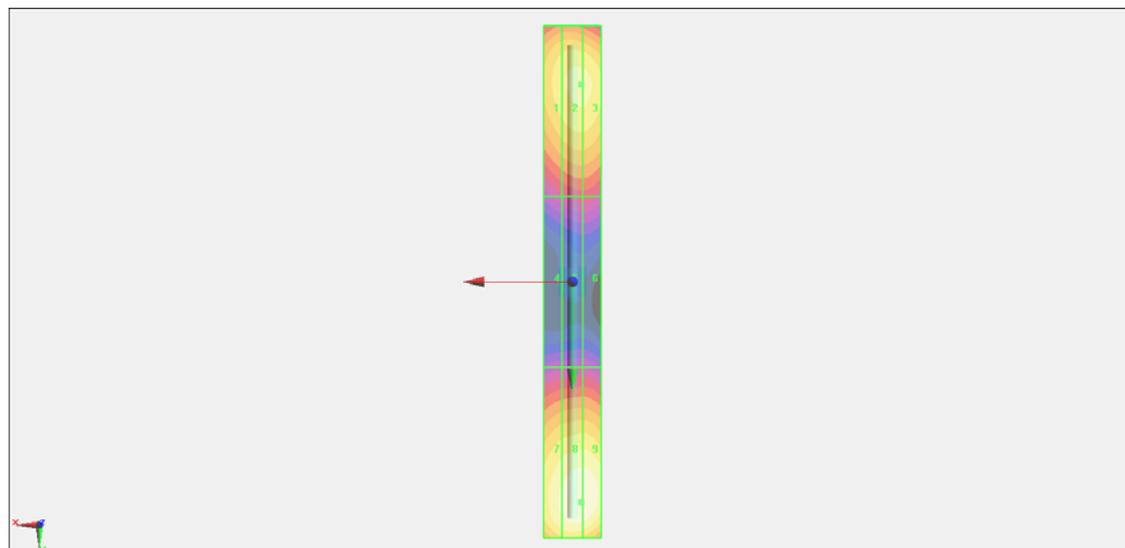
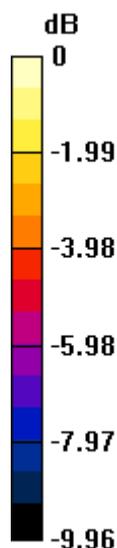
Grid 1 M4 102.3 V/m	Grid 2 M4 107.0 V/m	Grid 3 M4 107.0 V/m
Grid 4 M4 64.52 V/m	Grid 5 M4 68.19 V/m	Grid 6 M4 68.19 V/m
Grid 7 M4 114.6 V/m	Grid 8 M4 120.9 V/m	Grid 9 M4 120.8 V/m

Cursor:

Total = 120.9 V/m

E Category: M4

Location: -3, 77.5, 9.7 mm



0 dB = 120.9 V/m = 41.65 dB V/m

HAC_E_Dipole_1880_130205

DUT: HAC Dipole 1880 MHz

Communication System: CW; Frequency: 1880 MHz; Duty Cycle: 1:1
 Medium: Air Medium parameters used: $\sigma = 0$ mho/m, $\epsilon_r = 1$; $\rho = 0$ kg/m³
 Ambient Temperature : 22.4 °C

DASY5 Configuration:

- Probe: ER3DV6 - SN2476; ConvF(1, 1, 1); Calibrated: 2012/12/12;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn910; Calibrated: 2012/12/5
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.8 (1); SEMCAD X Version 14.6.5 (6469)

E Scan - measurement distance from the probe sensor center to CD1880 = 10mm & 15mm/Hearing Aid Compatibility Test at 15mm distance (41x181x1): Measurement grid:

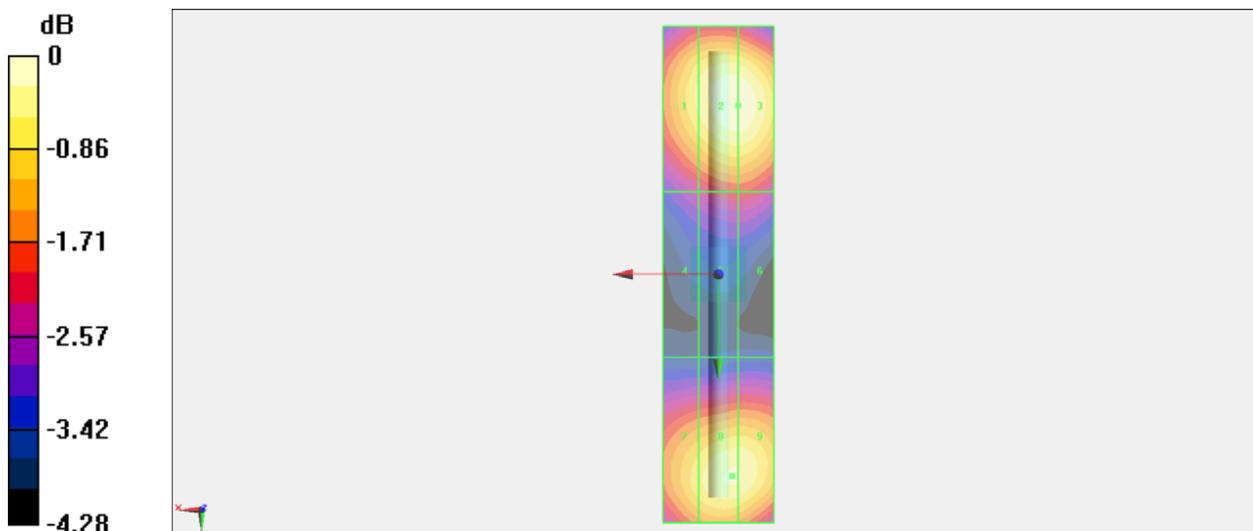
dx=5mm, dy=5mm
 Device Reference Point: 0, 0, -6.3 mm
 Reference Value = 151.1 V/m; Power Drift = 0.08 dB
 PMF = 1.000 is applied.
 E-field emissions = 91.60 V/m
 Average value of Total=(91.6+89.06) / 2 = 90.33 V/m

PMF scaled E-field

Grid 1 M3 86.70 V/m	Grid 2 M3 91.60 V/m	Grid 3 M3 91.60 V/m
Grid 4 M3 69.42 V/m	Grid 5 M3 73.13 V/m	Grid 6 M3 73.13 V/m
Grid 7 M3 85.11 V/m	Grid 8 M3 89.06 V/m	Grid 9 M3 88.90 V/m

Cursor:

Total = 91.60 V/m
 E Category: M3
 Location: -3.5, -30.5, 9.7 mm



0 dB = 91.60 V/m = 39.24 dB V/m