



Appendix A. Plots of System Performance Check

The plots are shown as follows.

HAC_E_Dipole_835_130219

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 : 22.6 °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 (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:

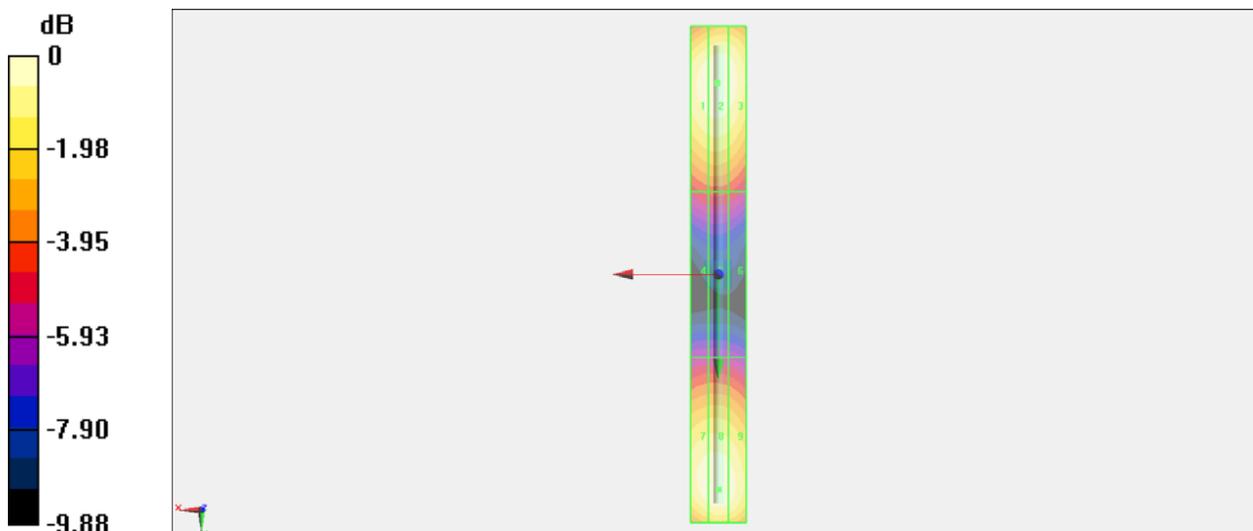
dx=5mm, dy=5mm
 Device Reference Point: 0, 0, -6.3 mm
 Reference Value = 117.2 V/m; Power Drift = 0.01 dB
 PMF = 1.000 is applied.
 E-field emissions = 115.9 V/m
 Average value of Total=(115.9+115.4) / 2 = 115.65 V/m

PMF scaled E-field

Grid 1 M4 114.4 V/m	Grid 2 M4 115.9 V/m	Grid 3 M4 113.7 V/m
Grid 4 M4 70.36 V/m	Grid 5 M4 70.95 V/m	Grid 6 M4 69.36 V/m
Grid 7 M4 113.8 V/m	Grid 8 M4 115.4 V/m	Grid 9 M4 113.0 V/m

Cursor:

Total = 115.9 V/m
 E Category: M4
 Location: 0.5, -69.5, 9.7 mm



0 dB = 115.9 V/m = 41.28 dB V/m

HAC_E_Dipole_1880_130219

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 : 22.6 °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 (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 = 149.2 V/m; Power Drift = 0.02 dB

PMF = 1.000 is applied.

E-field emissions = 90.04 V/m

Average value of Total=(90.04+85.67) / 2 = 87.885 V/m

PMF scaled E-field

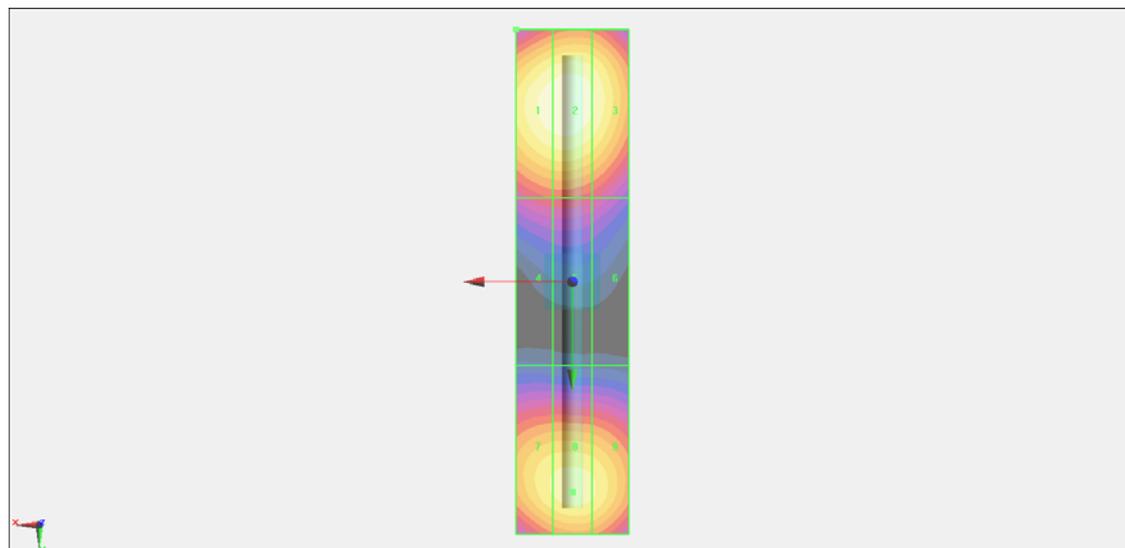
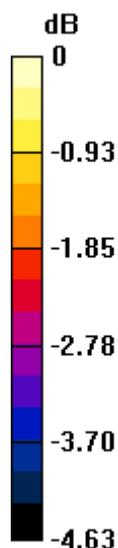
Grid 1 M3 89.24 V/m	Grid 2 M3 90.04 V/m	Grid 3 M3 87.44 V/m
Grid 4 M3 70.44 V/m	Grid 5 M3 70.60 V/m	Grid 6 M3 68.59 V/m
Grid 7 M3 84.40 V/m	Grid 8 M3 85.67 V/m	Grid 9 M3 84.62 V/m

Cursor:

Total = 63.98 V/m

E Category: M3

Location: 10, -45, 9.7 mm



0 dB = 90.04 V/m = 39.09 dB V/m