



Appendix A. System Check Plots

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SystemPerformanceCheck-CD835-ER3DV6
SystemPerformanceCheck-CD1880- ER3DV6

Test Laboratory: HUAWEI SAR/HAC Lab

SystemPerformanceCheck-CD835_ER3DV6

DUT: HAC-Dipole 835 MHz; Type: CD835V3; Serial: SN:1114

Communication System: UID 0, CW (0); Frequency: 835 MHz; Duty Cycle: 1:1

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

Phantom section: RF Section

DASY Configuration:

- ε Probe: ER3DV6 - SN2441; ConvF(1, 1, 1); Calibrated: 2017-11-17;
- ε Sensor-Surface: (Fix Surface), z = 9.7
- ε Electronics: DAE4 Sn1236; Calibrated: 2017-7-21
- ε Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA; Serial: 1053
- ε DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

Dipole E-Field measurement (E-field scan for ANSI C63.19-2011 compliance)/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 = 139.1 V/m; Power Drift = 0.01 dB

PMR not calibrated. PMF = 1.000 is applied.

E-field emissions = 121.2 V/m

Near-field category: M4 (AWF 0 dB)

PMF scaled E-field

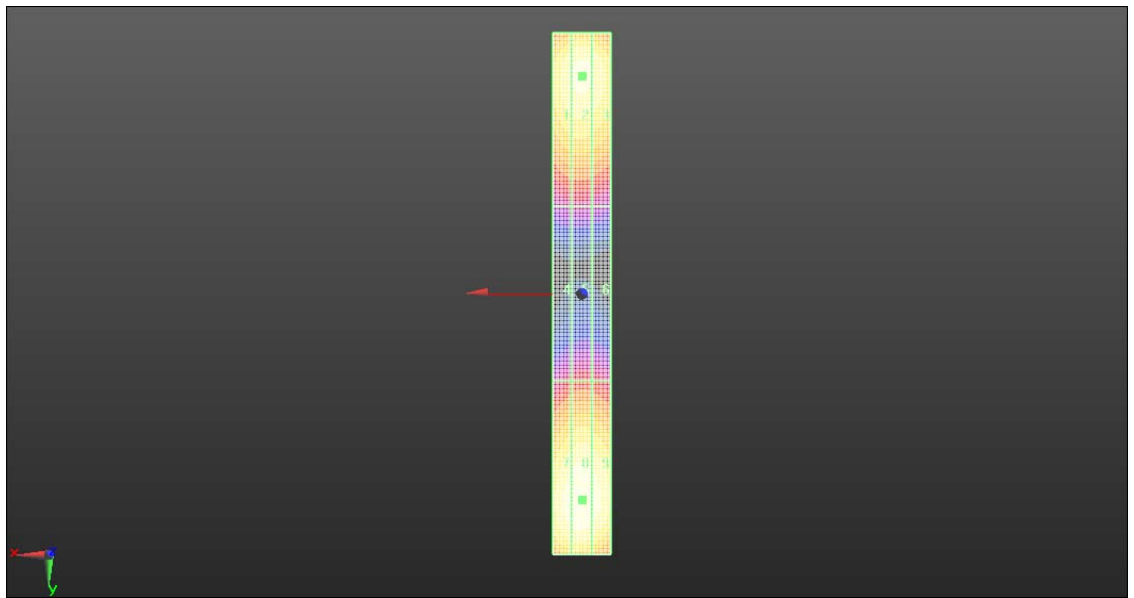
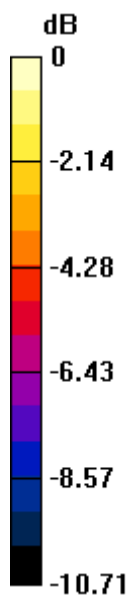
Grid 1 M4 111.7 V/m	Grid 2 M4 114.6 V/m	Grid 3 M4 111.7 V/m
Grid 4 M4 67.05 V/m	Grid 5 M4 69.40 V/m	Grid 6 M4 68.25 V/m
Grid 7 M4 118.4 V/m	Grid 8 M4 121.2 V/m	Grid 9 M4 117.6 V/m

Cursor:

Total = 121.2 V/m

E Category: M4

Location: 0, 71, 9.7 mm



0 dB = 121.2 V/m = 41.67 dBV/m

Test Laboratory: HUAWEI SAR/HAC Lab

SystemPerformanceCheck-CD1880_ER3DV6

DUT: HAC Dipole 1880 MHz; Type: CD1880V3; Serial: 1100

Communication System: UID 0, CW (0); Frequency: 1880 MHz; Duty Cycle: 1:1

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

Phantom section: RF Section

DASY Configuration:

- ε Probe: ER3DV6 - SN2441; ConvF(1, 1, 1); Calibrated: 2017-11-17;
- ε Sensor-Surface: (Fix Surface), z = 9.7
- ε Electronics: DAE4 Sn1236; Calibrated: 2017-7-21
- ε Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA; Serial: 1053
- ε DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

Dipole E-Field measurement (E-field scan for ANSI C63.19-2011 compliance)/E Scan - measurement distance from the probe sensor center to CD1880 = 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 = 154.6 V/m; Power Drift = 0.03 dB

PMR not calibrated. PMF = 1.000 is applied.

E-field emissions = 92.78 V/m

Near-field category: M3 (AWF 0 dB)

PMF scaled E-field

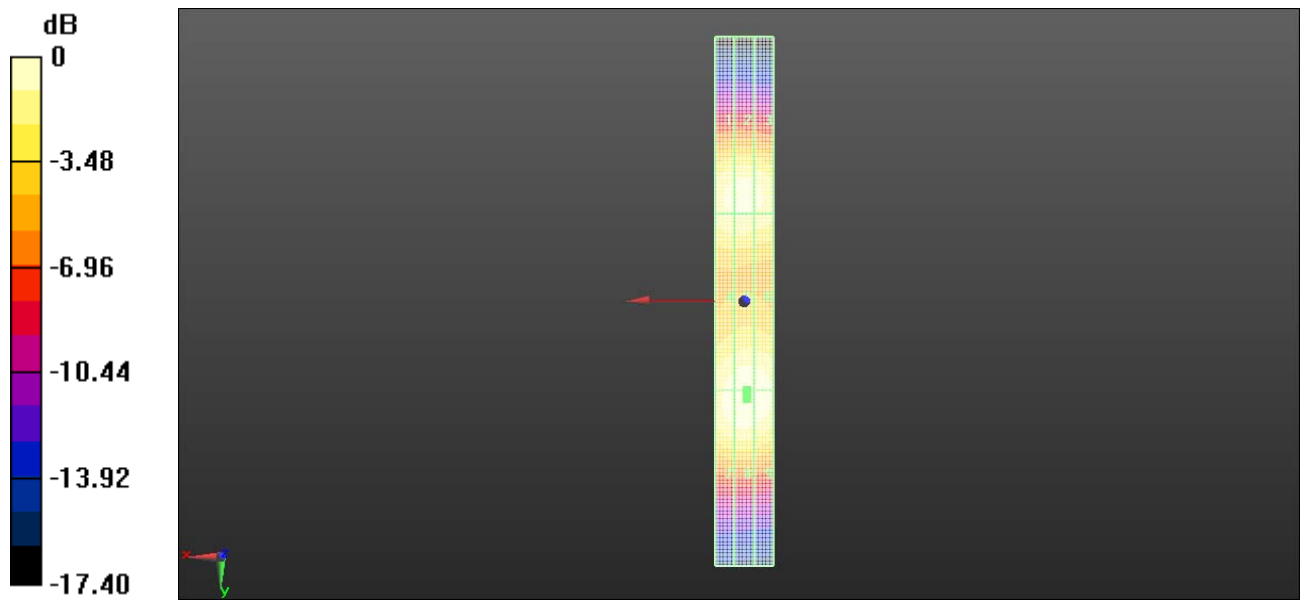
Grid 1 M3 85.98 V/m	Grid 2 M3 87.66 V/m	Grid 3 M3 85.27 V/m
Grid 4 M3 87.86 V/m	Grid 5 M3 91.97 V/m	Grid 6 M3 90.81 V/m
Grid 7 M3 89.09 V/m	Grid 8 M3 92.78 V/m	Grid 9 M3 91.45 V/m

Cursor:

Total = 92.78 V/m

E Category: M3

Location: -1, 33, 9.7 mm



0 dB = 92.78 V/m = 39.35 dBV/m