



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: D835V3; 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:

- ζ Probe: ER3DV6 - SN2441; ConvF(1, 1, 1); Calibrated: 2015-11-25;
- ζ Sensor-Surface: (Fix Surface), z = 9.7
- ζ Electronics: DAE4 Sn851; Calibrated: 2015-7-20
- ζ Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA; Serial: 1053
- ζ DASY52 52.8.8(1222);

Dipole E-Field measurement (E-field scan for ANSI C63.19-2011 compliance)/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 = 120.9 V/m; Power Drift = -0.02 dB

PMR not calibrated. PMF = 1.000 is applied.

E-field emissions = 112.9 V/m

Near-field category: **M4 (AWF 0 dB)**

PMF scaled E-field

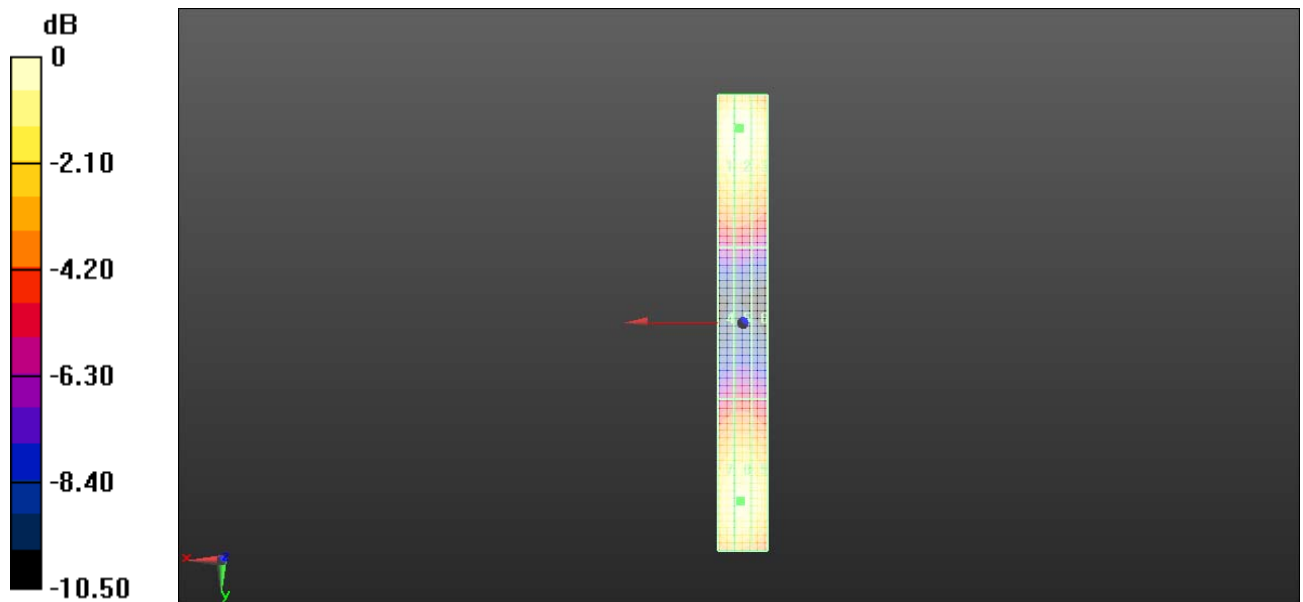
Grid 1 M4 112.2 V/m	Grid 2 M4 112.9 V/m	Grid 3 M4 108.5 V/m
Grid 4 M4 61.73 V/m	Grid 5 M4 62.71 V/m	Grid 6 M4 61.29 V/m
Grid 7 M4 105.2 V/m	Grid 8 M4 106.3 V/m	Grid 9 M4 102.7 V/m

Cursor:

Total = 112.9 V/m

E Category: M4

Location: 1.5, -77, 9.7 mm



0 dB = 112.9 V/m = 41.06 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:

- ζ Probe: ER3DV6 - SN2441; ConvF(1, 1, 1); Calibrated: 2015-11-25;
- ζ Sensor-Surface: (Fix Surface), $z = 9.7$
- ζ Electronics: DAE4 Sn851; Calibrated: 2015-7-20
- ζ Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA; Serial: 1053
- ζ DASY52 52.8.8(1222);

Dipole E-Field measurement (E-field scan for ANSI C63.19-2011 compliance)/E Scan
- measurement distance from the probe sensor center to CD1880 =
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 = 146.4 V/m; Power Drift = 0.01 dB

PMR not calibrated. PMF = 1.000 is applied.

E-field emissions = 93.01 V/m

Near-field category: **M3 (AWF 0 dB)**

PMF scaled E-field

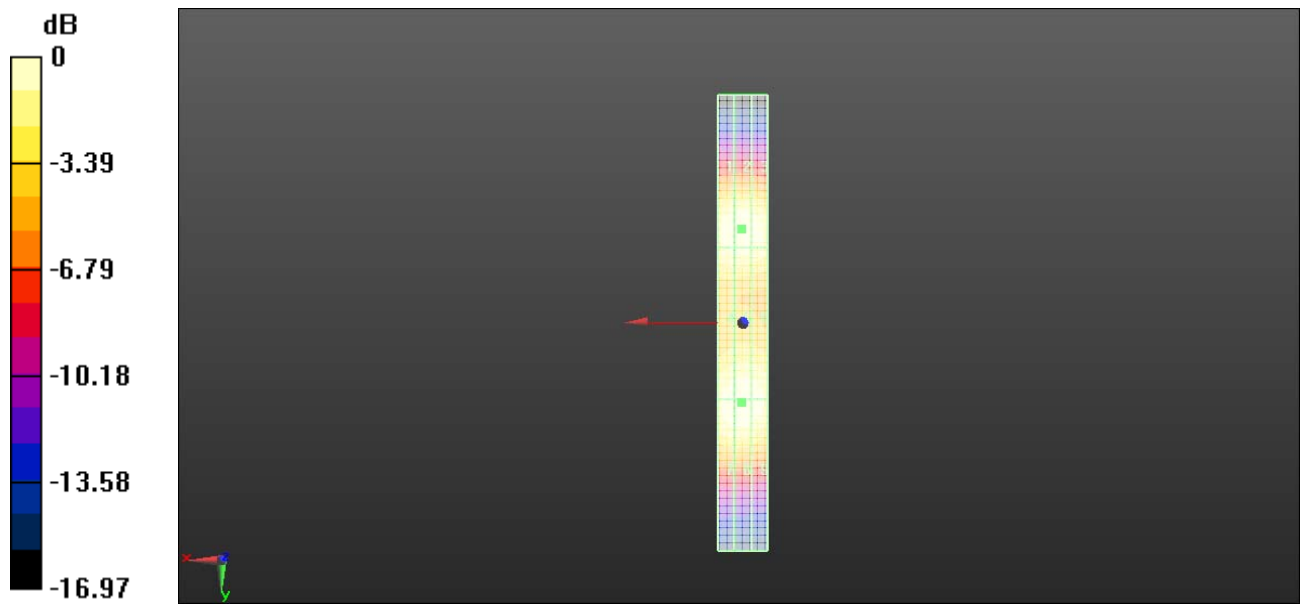
Grid 1 M3 91.35 V/m	Grid 2 M3 93.01 V/m	Grid 3 M3 89.80 V/m
Grid 4 M3 89.79 V/m	Grid 5 M3 91.73 V/m	Grid 6 M3 89.43 V/m
Grid 7 M3 90.37 V/m	Grid 8 M3 92.01 V/m	Grid 9 M3 89.56 V/m

Cursor:

Total = 93.01 V/m

E Category: M3

Location: 0.5, -37, 9.7 mm



0 dB = 93.01 V/m = 39.37 dBV/m