



Appendix A. System Check Plots

Table of contents
System Check- 835MHz
System Check- 1880MHz

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: $\sigma = 0 \text{ S/m}$, $\epsilon_r = 1$; $\rho = 1000 \text{ kg/m}^3$
 Phantom section: RF Section

DASY Configuration:

- Probe: ER3DV6 - SN2441; ConvF(1, 1, 1); Calibrated: 2013-11-29;
- Sensor-Surface: (Fix Surface), $z = 9.7$
- Electronics: DAE4 Sn1236; Calibrated: 2013-11-25
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA; Serial: 1053
- DASY52 52.8.7(1137); SEMCAD X 14.6.10(7164)

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: $dx=0.5000 \text{ mm}$, $dy=0.5000 \text{ mm}$

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 133.8 V/m; Power Drift = 0.02 dB

PMR not calibrated. PMF = 1.000 is applied.

E-field emissions = 116.3 V/m

Near-field category: M4 (AWF 0 dB)

PMF scaled E-field

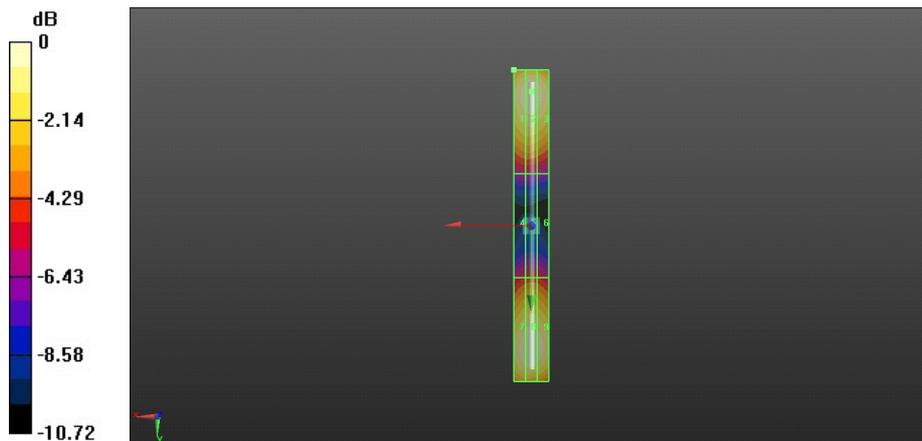
Grid 1 M4 112.7 V/m	Grid 2 M4 114.8 V/m	Grid 3 M4 111.9 V/m
Grid 4 M4 65.84 V/m	Grid 5 M4 67.11 V/m	Grid 6 M4 65.81 V/m
Grid 7 M4 113.8 V/m	Grid 8 M4 116.3 V/m	Grid 9 M4 113.2 V/m

Cursor:

Total = 76.00 V/m

E Category: M4

Location: 10, -90, 9.7 mm



0 dB = 116.3 V/m = 41.31 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; 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:

- Probe: ER3DV6 - SN2441; ConvF(1, 1, 1); Calibrated: 2013-11-29;
- Sensor-Surface: (Fix Surface), z = 9.7
- Electronics: DAE4 Sn1236; Calibrated: 2013-11-25
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA; Serial: 1053
- DASY52 52.8.7(1137); SEMCAD X 14.6.10(7164)

Dipole E-Field measurement (E-field scan for ANSI C63.19-2007 & -2011 compliance)/E Scan - measurement distance from the probe sensor center to CD1880 = 10mm & 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 = 144.5 V/m; Power Drift = 0.03 dB

PMR not calibrated. PMF = 1.000 is applied.

E-field emissions = 92.00 V/m

Near-field category: M3 (AWF 0 dB)

PMF scaled E-field

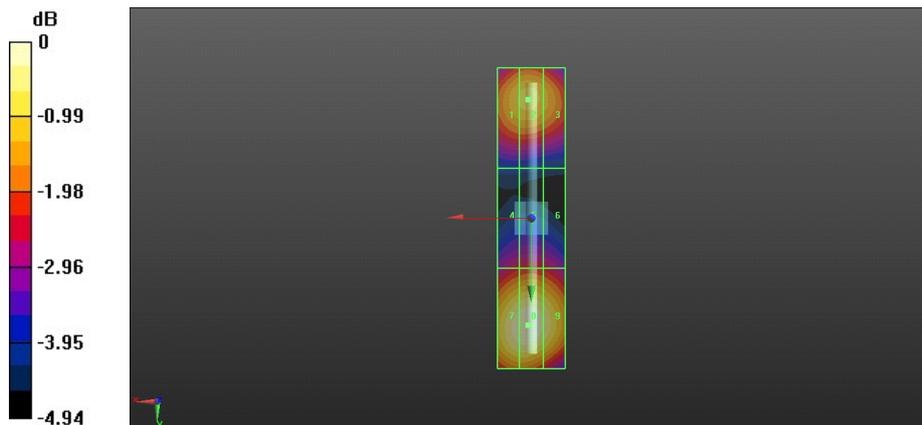
Grid 1 M3 82.62 V/m	Grid 2 M3 83.58 V/m	Grid 3 M3 81.09 V/m
Grid 4 M3 70.11 V/m	Grid 5 M3 71.13 V/m	Grid 6 M3 69.97 V/m
Grid 7 M3 91.15 V/m	Grid 8 M3 92.00 V/m	Grid 9 M3 88.73 V/m

Cursor:

Total = 92.00 V/m

E Category: M3

Location: 1, 32, 9.7 mm



0 dB = 92.00 V/m = 39.28 dBV/m