



Appendix A. System Check Plots

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SystemPerformanceCheck-CD835-ER3DV6
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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:

- ε Probe: ER3DV6 - SN2441; ConvF(1, 1, 1); Calibrated: 2016-11-23;
- ε Sensor-Surface: (Fix Surface), z = 9.7
- ε Electronics: DAE4 Sn851; Calibrated: 2016-7-22
- ε Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA; Serial: 1053
- ε DASY52 52.8.8(1258); 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 = 134.6 V/m; Power Drift = 0.01 dB

PMR not calibrated. PMF = 1.000 is applied.

E-field emissions = 117.1 V/m

Near-field category: M4 (AWF 0 dB)

PMF scaled E-field

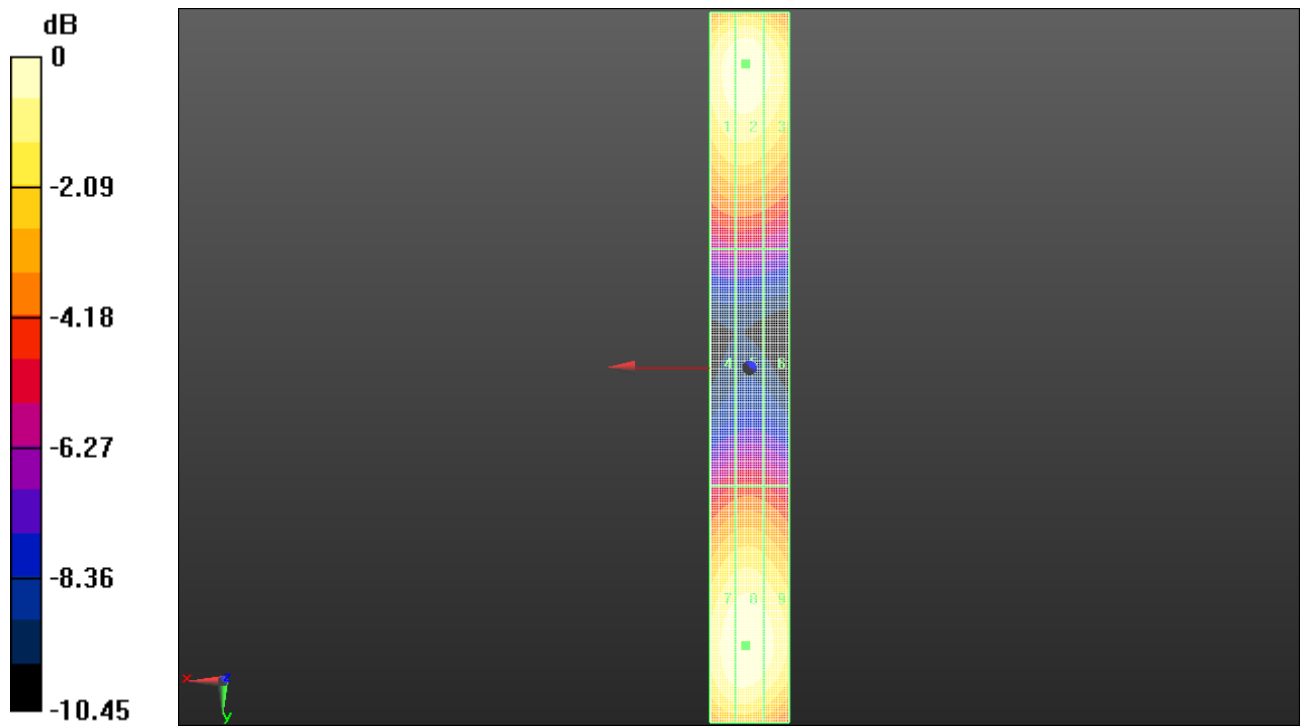
Grid 1 M4 114.2 V/m	Grid 2 M4 115.3 V/m	Grid 3 M4 111.3 V/m
Grid 4 M4 67.34 V/m	Grid 5 M4 68.60 V/m	Grid 6 M4 67.00 V/m
Grid 7 M4 115.7 V/m	Grid 8 M4 117.1 V/m	Grid 9 M4 113.1 V/m

Cursor:

Total = 117.1 V/m

E Category: M4

Location: 1, 70.5, 9.7 mm



0 dB = 117.1 V/m = 41.37 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: 2016-11-23;
- ε Sensor-Surface: (Fix Surface), z = 9.7
- ε Electronics: DAE4 Sn851; Calibrated: 2016-7-22
- ε Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA; Serial: 1053
- ε DASY52 52.8.8(1258); 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 = 141.0 V/m; Power Drift = 0.04 dB

PMR not calibrated. PMF = 1.000 is applied.

E-field emissions = 90.65 V/m

Near-field category: M3 (AWF 0 dB)

PMF scaled E-field

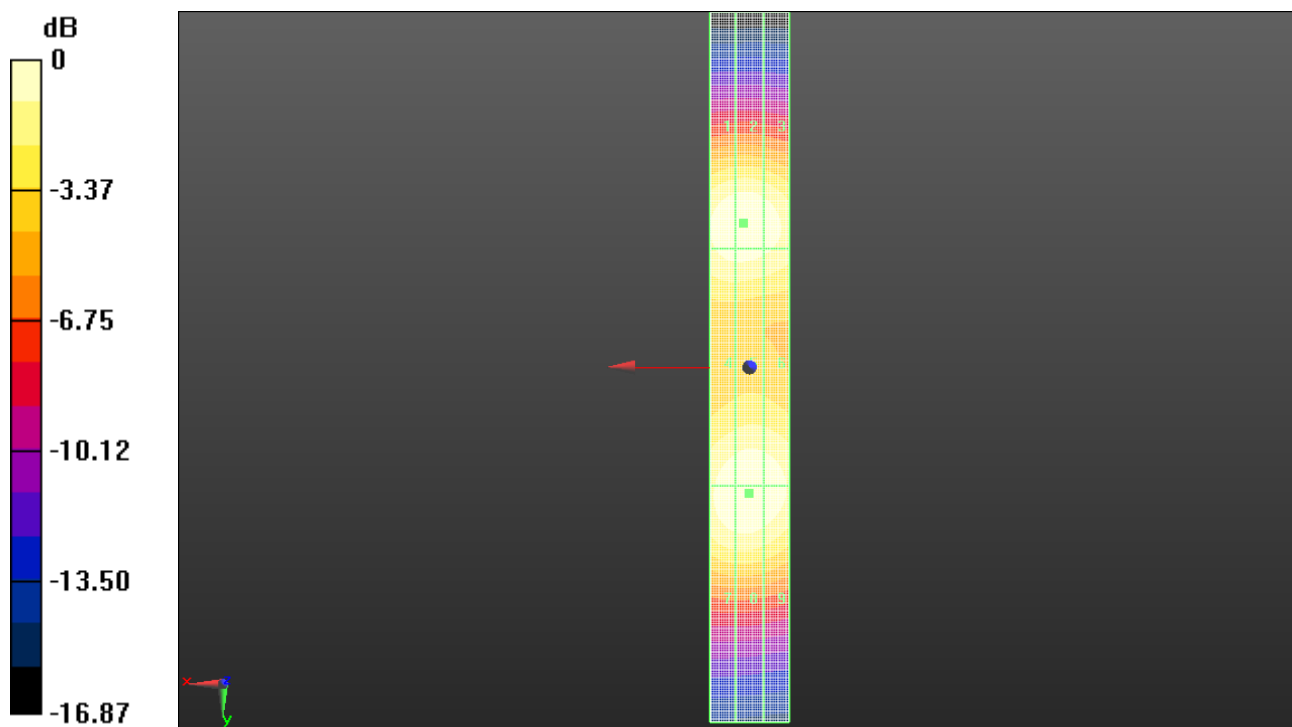
Grid 1 M3 89.68 V/m	Grid 2 M3 90.65 V/m	Grid 3 M3 87.12 V/m
Grid 4 M3 88.11 V/m	Grid 5 M3 90.12 V/m	Grid 6 M3 88.20 V/m
Grid 7 M3 88.63 V/m	Grid 8 M3 90.41 V/m	Grid 9 M3 88.37 V/m

Cursor:

Total = 90.65 V/m

E Category: M3

Location: 1.5, -36.5, 9.7 mm



0 dB = 90.65 V/m = 39.15 dBV/m

Test Laboratory: HUAWEI SAR/HAC Lab

SystemPerformanceCheck-CD2450_ER3DV6

DUT: HAC-Dipole 2450 MHz; Type: CD2450V3; Serial: SN:1095

Communication System: UID 0, CW (0); Frequency: 2450 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: 2016-11-23;
- ε Sensor-Surface: (Fix Surface), z = 9.7
- ε Electronics: DAE4 Sn851; Calibrated: 2016-7-22
- ε Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA; Serial: 1053
- ε DASY52 52.8.8(1258); 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 CD2450 = 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 = 85.86 V/m; Power Drift = -0.09 dB

PMR not calibrated. PMF = 1.000 is applied.

E-field emissions = 93.80 V/m

Near-field category: M3 (AWF 0 dB)

PMF scaled E-field

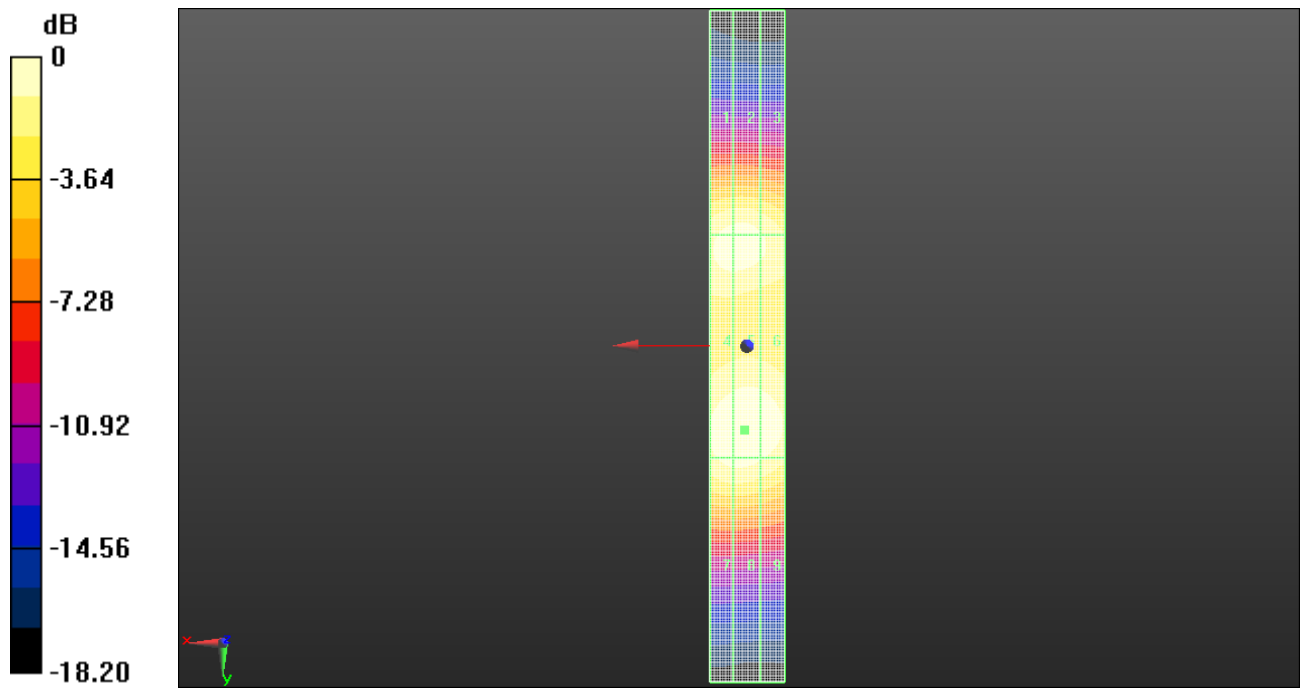
Grid 1 M3 86.35 V/m	Grid 2 M3 86.99 V/m	Grid 3 M3 82.50 V/m
Grid 4 M3 92.49 V/m	Grid 5 M3 93.80 V/m	Grid 6 M3 91.21 V/m
Grid 7 M3 86.53 V/m	Grid 8 M3 86.81 V/m	Grid 9 M3 83.04 V/m

Cursor:

Total = 93.80 V/m

E Category: M3

Location: 0.5, 22.5, 9.7 mm



0 dB = 93.80 V/m = 39.44 dBV/m