



Appendix A. System Check Plots

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System Check-835MHz
System Check-1880MHz

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

Phantom section: RF Section

DASY Configuration:

- Probe: ER3DV6 - SN2441; ConvF(1, 1, 1); Calibrated: 2014-11-21;
- Sensor-Surface: (Fix Surface), $z = 9.7$
- Electronics: DAE4 Sn852; Calibrated: 2015-4-27
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA; Serial: 1053
- 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: $dx=0.5000 \text{ mm}$, $dy=0.5000 \text{ mm}$

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 133.2 V/m; Power Drift = -0.00 dB

PMR not calibrated. PMF = 1.000 is applied.

E-field emissions = 119.1 V/m

Near-field category: M4 (AWF 0 dB)

PMF scaled E-field

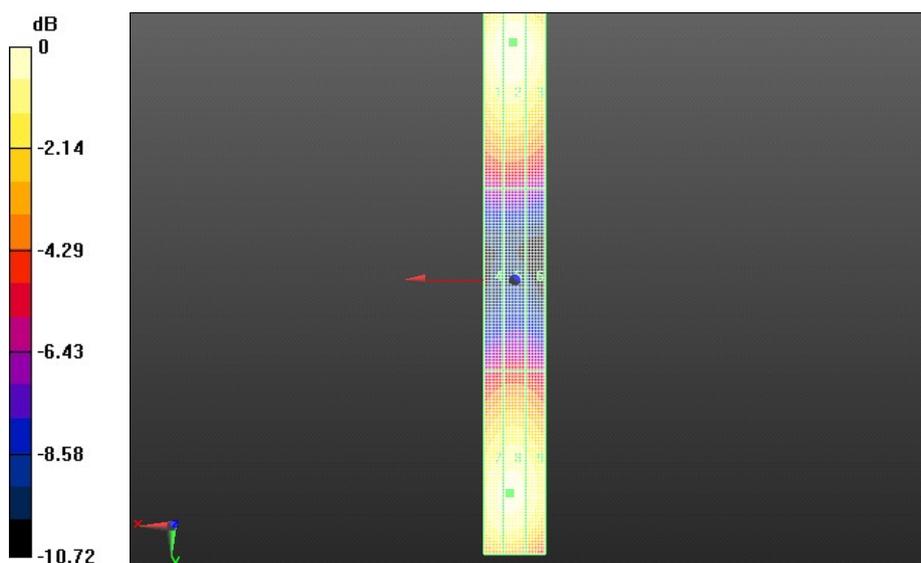
Grid 1 M4 116.9 V/m	Grid 2 M4 119.1 V/m	Grid 3 M4 115.0 V/m
Grid 4 M4 65.77 V/m	Grid 5 M4 67.02 V/m	Grid 6 M4 65.50 V/m
Grid 7 M4 112.5 V/m	Grid 8 M4 113.2 V/m	Grid 9 M4 109.2 V/m

Cursor:

Total = 119.1 V/m

E Category: M4

Location: 0.5, -78, 9.7 mm



0 dB = 119.1 V/m = 41.52 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: $\sigma = 0 \text{ S/m}$, $\epsilon_r = 1$; $\rho = 0 \text{ kg/m}^3$

Phantom section: RF Section

DASY Configuration:

- Probe: ER3DV6 - SN2441; ConvF(1, 1, 1); Calibrated: 2014-11-21;
- Sensor-Surface: (Fix Surface), $z = 9.7$
- Electronics: DAE4 Sn852; Calibrated: 2015-4-27
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA; Serial: 1053
- DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

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:

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

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 148.0 V/m; Power Drift = 0.04 dB

PMR not calibrated. PMF = 1.000 is applied.

E-field emissions = 92.77 V/m

Near-field category: M3 (AWF 0 dB)

PMF scaled E-field

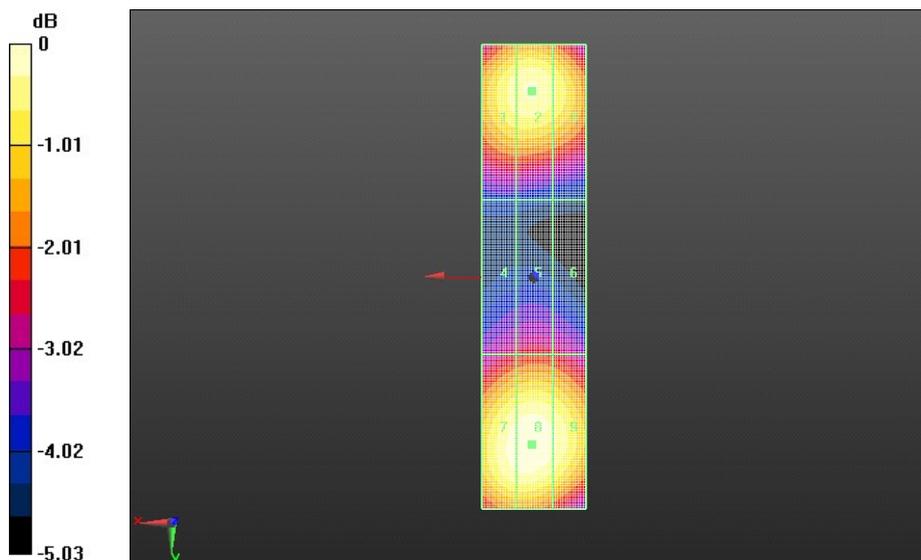
Grid 1 M3 88.14 V/m	Grid 2 M3 89.57 V/m	Grid 3 M3 86.90 V/m
Grid 4 M3 69.37 V/m	Grid 5 M3 70.92 V/m	Grid 6 M3 69.89 V/m
Grid 7 M3 91.61 V/m	Grid 8 M3 92.77 V/m	Grid 9 M3 90.21 V/m

Cursor:

Total = 92.77 V/m

E Category: M3

Location: 0.5, 32.5, 9.7 mm



0 dB = 92.77 V/m = 39.35 dBV/m