



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:1030

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:

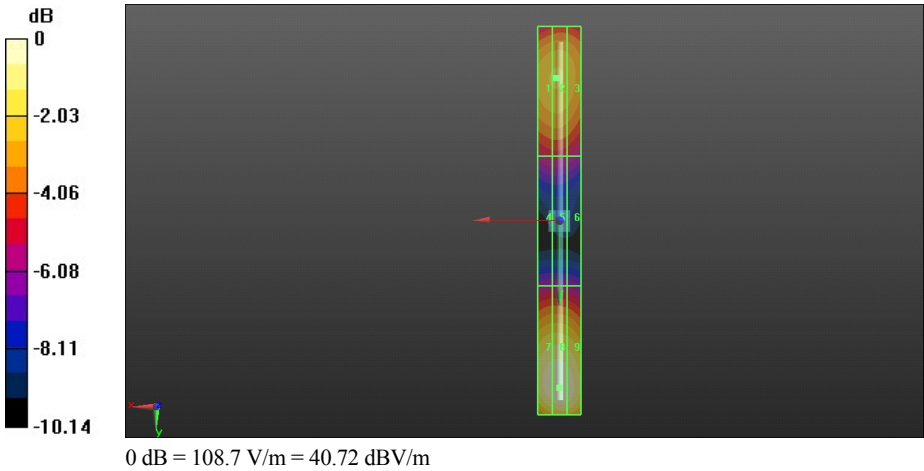
- Probe: ER3DV6 - SN2344; ConvF(1, 1, 1); Calibrated: 2014-6-20;
- Sensor-Surface: (Fix Surface), $z = 9.7$
- Electronics: DAE4 Sn851; Calibrated: 2014-7-24
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA; Serial: 1053
- DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

Dipole E-Field measurement (E-field scan for ANSI C63.19-2011 compliance)/E Scan - measurement distance from the probe sensor center to CD835 = 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 = 108.5 V/m; Power Drift = 0.04 dB
PMR not calibrated. PMF = 1.000 is applied.
E-field emissions = 108.7 V/m
Near-field category: M4 (AWF 0 dB)

PMF scaled E-field

Grid 1 M4	Grid 2 M4	Grid 3 M4
86.66 V/m	87.02 V/m	84.71 V/m
Grid 4 M4	Grid 5 M4	Grid 6 M4
59.97 V/m	60.30 V/m	58.50 V/m
Grid 7 M4	Grid 8 M4	Grid 9 M4
106.9 V/m	108.7 V/m	106.6 V/m

Cursor:
Total = 108.7 V/m
E Category: M4
Location: 0, 77.5, 9.7 mm



Test Laboratory: HUAWEI SAR/HAC Lab

SystemPerformanceCheck-CD1880_ER3DV6

DUT: HAC Dipole 1880 MHz; Type: CD1880V3; Serial: 1023

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 - SN2344; ConvF(1, 1, 1); Calibrated: 2014-6-20;
- Sensor-Surface: (Fix Surface), $z = 9.7$
- Electronics: DAE4 Sn851; Calibrated: 2014-7-24
- 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 = 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 = 161.7 V/m; Power Drift = -0.02 dB

PMR not calibrated. PMF = 1.000 is applied.

E-field emissions = 92.11 V/m

Near-field category: M3 (AWF 0 dB)

PMF scaled E-field

Grid 1 M3 91.06 V/m	Grid 2 M3 92.11 V/m	Grid 3 M3 89.70 V/m
Grid 4 M3 73.78 V/m	Grid 5 M3 74.24 V/m	Grid 6 M3 71.90 V/m
Grid 7 M3 88.01 V/m	Grid 8 M3 89.92 V/m	Grid 9 M3 88.48 V/m

Cursor:

Total = 92.11 V/m

E Category: M3

Location: 0.5, -30.5, 9.7 mm

