Appendix A. System Check Plots

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System Check- 835MHz
System Check- 1880MHz

Date: 2014-6-7

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: σ = 0 S/m, ε_r = 1; ρ = 1000 kg/m^3
Phantom section: RF Section

DASY Configuration:

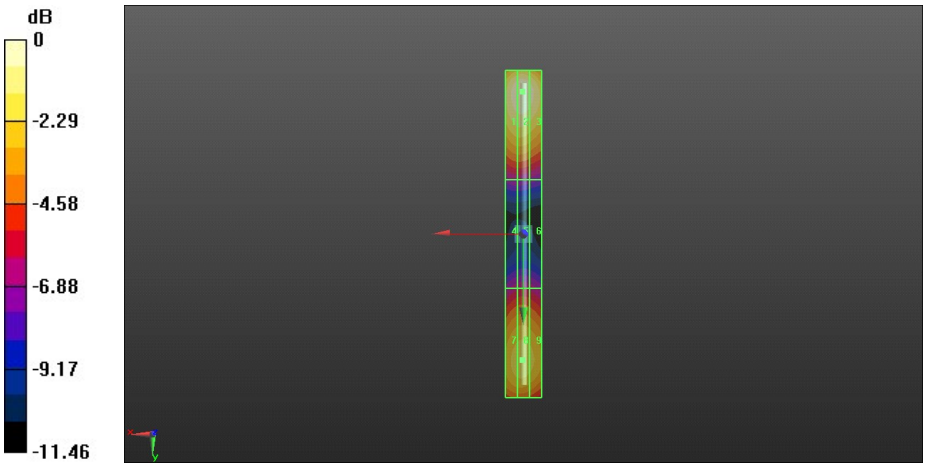
- Probe: ER3DV6 - SN2441; ConvF(1, 1, 1); Calibrated: 2013-11-29;
- Sensor-Surface: (Fix Surface), z = 9.7
- Electronics: DAE4 Sn1236; Calibrated: 2013-11-25
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA; Serial: 1053
- DASY52 52.8.7(1137); SEMCAD X 14.6.10(7164)

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 mm, dy=0.5000 mm
Device Reference Point: 0, 0, -6.3 mm
Reference Value = 122.9 V/m; Power Drift = -0.02 dB
PMR not calibrated. PMF = 1.000 is applied.
E-field emissions = 128.2 V/m
Near-field category: M4 (AWF 0 dB)

PMF scaled E-field

Grid 1 **M4** **125.7 V/m**	Grid 2 **M4** **128.2 V/m**	Grid 3 **M4** **123.2 V/m**
Grid 4 **M4** **62.40 V/m**	Grid 5 **M4** **63.32 V/m**	Grid 6 **M4** **61.87 V/m**
Grid 7 **M4** **103.5 V/m**	Grid 8 **M4** **104.6 V/m**	Grid 9 **M4** **101.9 V/m**

Cursor:
Total = 128.2 V/m
E Category: M4
Location: 0.5, -78.5, 9.7 mm



0 dB = 128.2 V/m = 42.16 dBV/m

Date: 2014-6-7

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: σ = 0 S/m, ε_r = 1; ρ = 0 kg/m^3
Phantom section: RF Section

DASY Configuration:

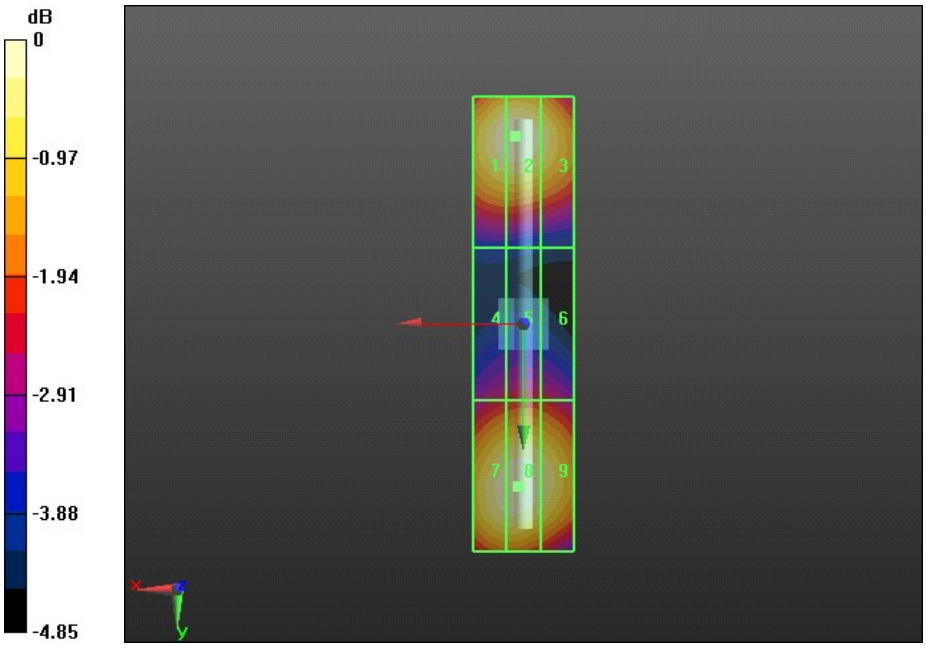
- Probe: ER3DV6 - SN2441; ConvF(1, 1, 1); Calibrated: 2013-11-29;
- Sensor-Surface: (Fix Surface), z = 9.7
- Electronics: DAE4 Sn1236; Calibrated: 2013-11-25
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA; Serial: 1053
- DASY52 52.8.7(1137); SEMCAD X 14.6.10(7164)

Dipole E-Field measurement (E-field scan for ANSI C63.19-2007 & -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 = 143.2 V/m; Power Drift = -0.01 dB
PMR not calibrated. PMF = 1.000 is applied.
E-field emissions = 91.56 V/m
Near-field category: M3 (AWF 0 dB)

PMF scaled E-field

Grid 1 **M3** **90.80 V/m**	Grid 2 **M3** **91.55 V/m**	Grid 3 **M3** **87.77 V/m**
Grid 4 **M3** **69.78 V/m**	Grid 5 **M3** **70.96 V/m**	Grid 6 **M3** **70.15 V/m**
Grid 7 **M3** **90.63 V/m**	Grid 8 **M3** **91.56 V/m**	Grid 9 **M3** **88.70 V/m**

Cursor:
Total = 91.56 V/m
E Category: M3
Location: 1, 32, 9.7 mm



0 dB = 91.56 V/m = 39.23 dBV/m