Appendix A. System Check Plots

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SystemPerformanceCheck-CD835-ER3DV6
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Date: 2017-5-5

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, $\varepsilon_r = 1$; $\rho = 0$ kg/m^3
Phantom section: RF Section

DASY Configuration:

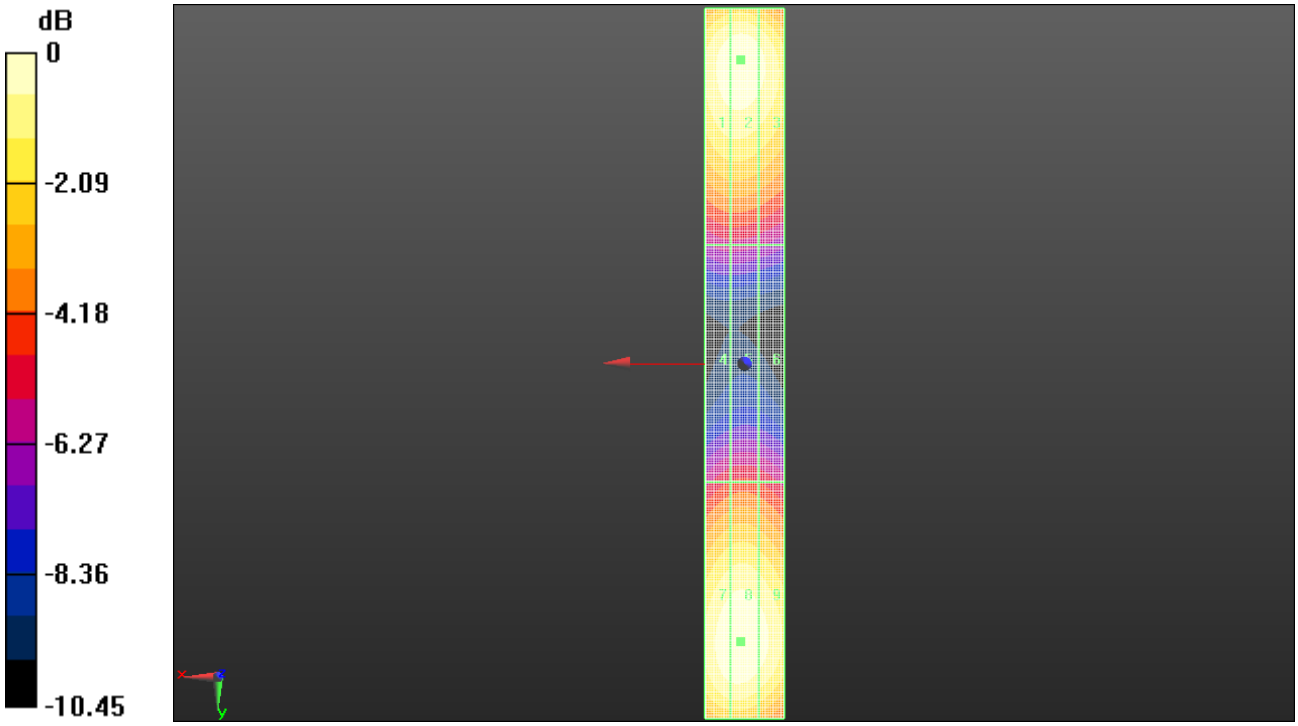
- Probe: ER3DV6 - SN2441; ConvF(1, 1, 1); Calibrated: 2016-11-23;
- Sensor-Surface: (Fix Surface), z = 9.7
- Electronics: DAE4 Sn851; Calibrated: 2016-7-22
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA; Serial: 1053
- DASY52 52.8.8(1258); SEMCAD X 14.6.10(7331)

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

Date: 2017-5-5

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, $\varepsilon_r = 1$; $\rho = 0$ kg/m^3
Phantom section: RF Section

DASY Configuration:

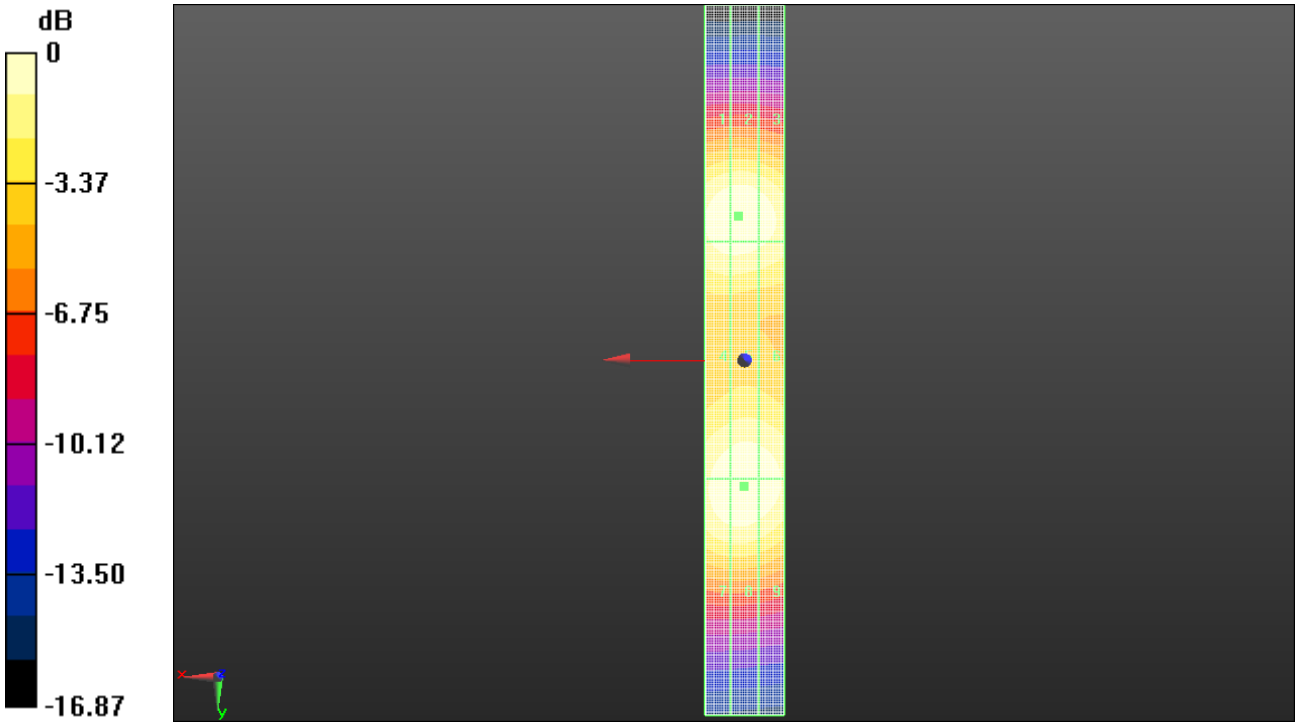
- Probe: ER3DV6 - SN2441; ConvF(1, 1, 1); Calibrated: 2016-11-23;
- Sensor-Surface: (Fix Surface), z = 9.7
- Electronics: DAE4 Sn851; Calibrated: 2016-7-22
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA; Serial: 1053
- DASY52 52.8.8(1258); SEMCAD X 14.6.10(7331)

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

Date: 2017-5-5

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, $\varepsilon_r = 1$; $\rho = 0$ kg/m^3
Phantom section: RF Section

DASY Configuration:

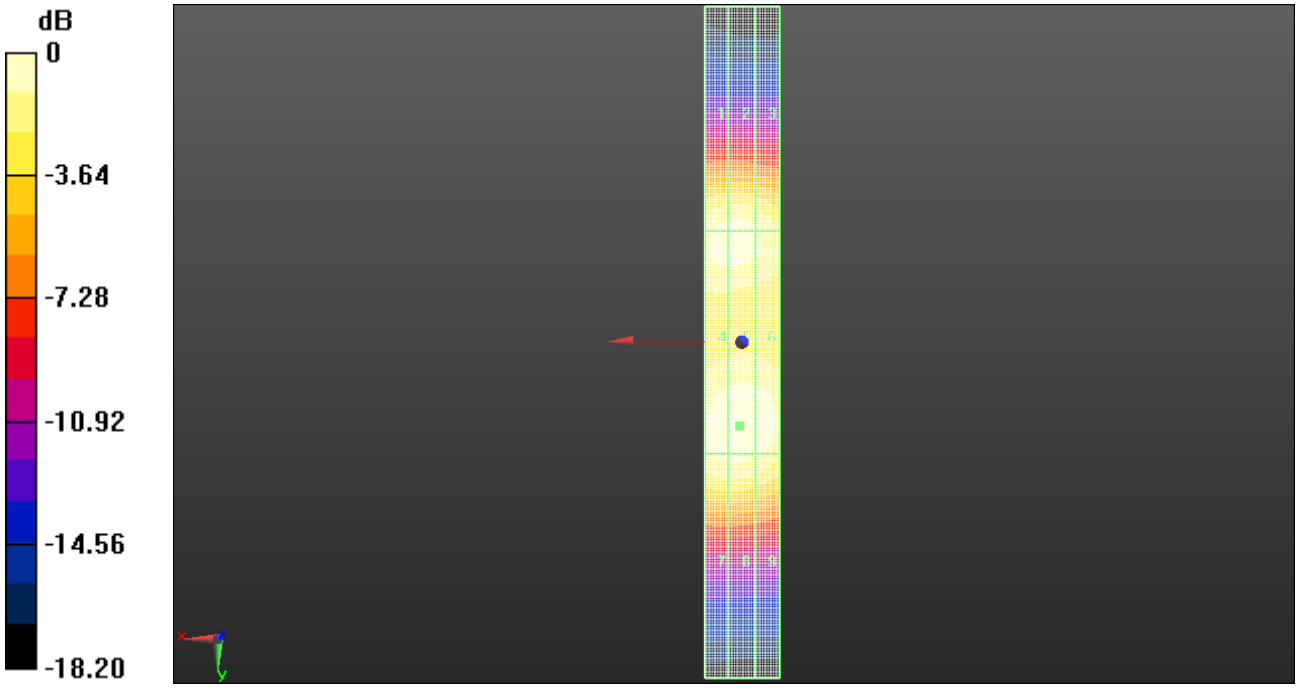
- Probe: ER3DV6 - SN2441; ConvF(1, 1, 1); Calibrated: 2016-11-23;
- Sensor-Surface: (Fix Surface), z = 9.7
- Electronics: DAE4 Sn851; Calibrated: 2016-7-22
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA; Serial: 1053
- DASY52 52.8.8(1258); SEMCAD X 14.6.10(7331)

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