



Appendix A

Detailed System Check Results

1. System Verification Results
System Performance Check 835 MHz
System Performance Check 1880 MHz
System Performance Check 2600 MHz

Test Laboratory: SGS-SAR Lab

HAC-E-Dipole CD835V3

DUT: CD835V3; Type: CD835V3; Serial: 1052

Communication System: UID 0, CW; Frequency: 835 MHz; Duty Cycle: 1:1

Medium: Air; Medium parameters used: $\sigma = 0$ S/m, $\epsilon_r = 1$; $\rho = 1000$ kg/m³

Phantom section: RF Section

DASY 5 Configuration:

- Probe: EF3DV3 - SN4051; ConvF(1, 1, 1); Calibrated: 2019-06-18;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn896; Calibrated: 2019-09-18
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

Dipole E-Field measurement/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 mm, dy=0.5000 mm

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 130.8 V/m; Power Drift = -0.11 dB

PMR not calibrated. PMF = 1.000 is applied.

E-field emissions = 110.5 V/m

Near-field category: M4 (AWF 0 dB)

PMF scaled E-field

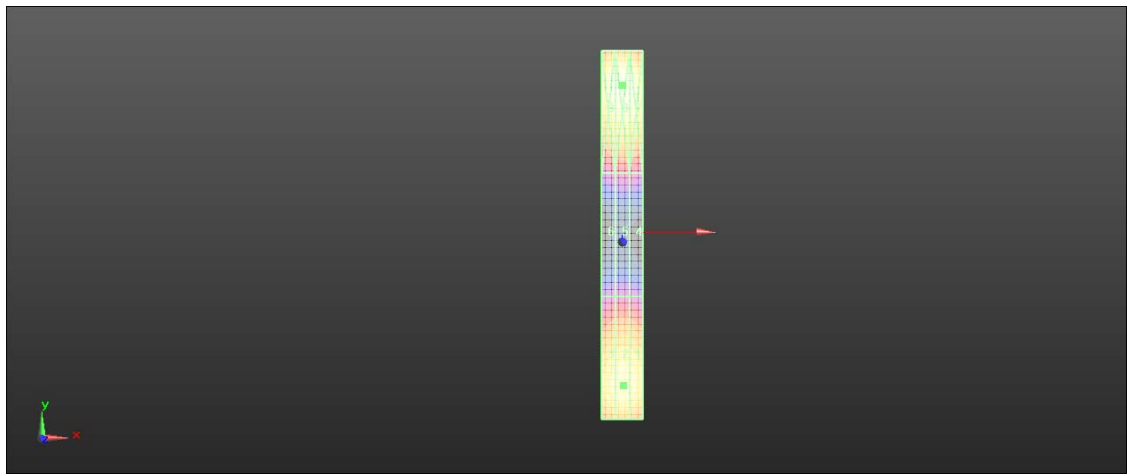
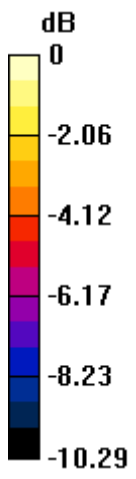
Grid 1 M4 109.1 V/m	Grid 2 M4 110.5 V/m	Grid 3 M4 107.7 V/m
Grid 4 M4 65.14 V/m	Grid 5 M4 65.38 V/m	Grid 6 M4 63.74 V/m
Grid 7 M4 118.6 V/m	Grid 8 M4 121.1 V/m	Grid 9 M4 118.3 V/m

Cursor:

Total = 121.1 V/m

E Category: M4

Location: 0, 73, 8.7 mm



0 dB = 121.1 V/m = 41.67 dBV/m

Test Laboratory: SGS-SAR Lab

HAC-E-Dipole CD1880V3

DUT: CD1880V3; Type: CD1880V3; Serial: 1044

Communication System: UID 0, CW; Frequency: 1880 MHz; Duty Cycle: 1:1

Medium: Air; Medium parameters used: $\sigma = 0$ S/m, $\epsilon_r = 1$; $\rho = 1000$ kg/m³

Phantom section: RF Section

DASY 5 Configuration:

- Probe: EF3DV3 - SN4051; ConvF(1, 1, 1); Calibrated: 2019-06-18;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn896; Calibrated: 2019-09-18
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

Dipole E-Field measurement/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 mm, dy=0.5000 mm

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 158.5 V/m; Power Drift = 0.00 dB

PMR not calibrated. PMF = 1.000 is applied.

E-field emissions = 91.79 V/m

Near-field category: M3 (AWF 0 dB)

PMF scaled E-field

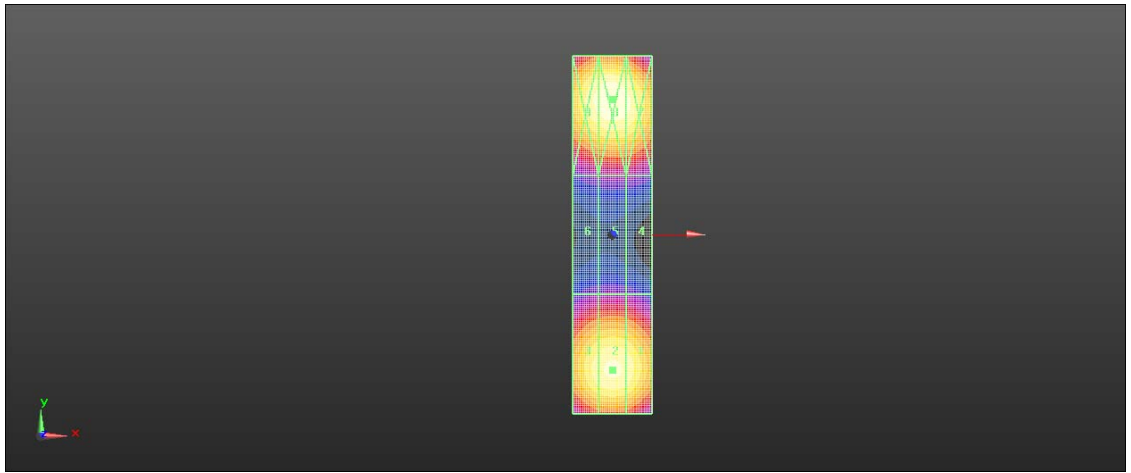
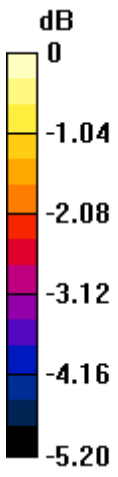
Grid 1 M3 90.16 V/m	Grid 2 M3 91.79 V/m	Grid 3 M3 89.73 V/m
Grid 4 M3 65.83 V/m	Grid 5 M3 65.96 V/m	Grid 6 M3 65.11 V/m
Grid 7 M3 92.50 V/m	Grid 8 M3 94.58 V/m	Grid 9 M3 92.54 V/m

Cursor:

Total = 94.58 V/m

E Category: M3

Location: 0, 34, 8.7 mm



0 dB = 94.58 V/m = 39.52 dBV/m

Test Laboratory: SGS-SAR Lab

HAC-E-Dipole CD2600V3

DUT: CD2600V3; Type: CD2600V3; Serial: 1021

Communication System: UID 0, CW (0); Frequency: 2600 MHz; Duty Cycle: 1:1

Medium: Air; Medium parameters used: $\sigma = 0$ S/m, $\epsilon_r = 1$; $\rho = 1000$ kg/m³

Phantom section: RF Section

DASY 5 Configuration:

- Probe: EF3DV3 - SN4051; ConvF(1, 1, 1); Calibrated: 2019-06-18;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1267; Calibrated: 2019-12-17
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

Dipole E-Field measurement /E Scan - measurement distance from the probe sensor center to CD2600 = 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 = 72.64 V/m; Power Drift = -0.03 dB

PMR not calibrated. PMF = 1.000 is applied.

E-field emissions = 89.18 V/m

Near-field category: M3 (AWF 0 dB)

PMF scaled E-field

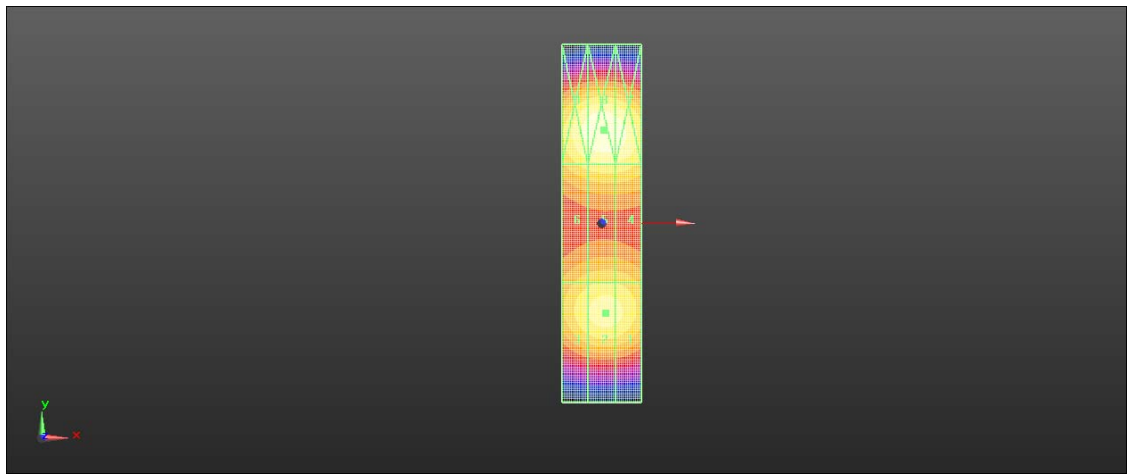
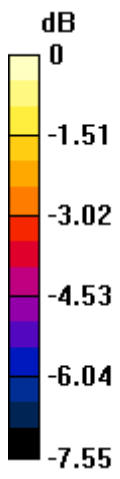
Grid 1 M3 88.27 V/m	Grid 2 M3 89.18 V/m	Grid 3 M3 86.47 V/m
Grid 4 M3 86.21 V/m	Grid 5 M3 86.62 V/m	Grid 6 M3 84.67 V/m
Grid 7 M3 95.56 V/m	Grid 8 M3 97.26 V/m	Grid 9 M3 94.21 V/m

Cursor:

Total = 97.26 V/m

E Category: M3

Location: 0.5, 23.5, 8.7 mm



0 dB = 97.26 V/m = 39.76 dBV/m