



# Appendix A

## Detailed System Check Results

1. System Check Results
2. System Performance Check 835 MHz
3. System Performance Check 1880 MHz
4. System Performance Check 2600 MHz

Test Laboratory: SGS-SAR Lab

## HAC-E-Dipole CD835V3

**DUT: CD835V3; Type: CDipole; Serial: 1052**

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

Medium: Air; Medium parameters used:  $\sigma = 0$  S/m,  $\epsilon_r = 1$ ;  $\rho = 0$  kg/m<sup>3</sup>

Phantom section: RF Section

DASY 5 Configuration:

- Probe: EF3DV3 - SN4051; ConvF(1, 1, 1); Calibrated: 2021-05-28
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1663; Calibrated: 2021-03-01
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

### 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 = 129.0 V/m; Power Drift = -0.14 dB

PMR not calibrated. PMF = 1.000 is applied.

E-field emissions = 115.1 V/m

**Near-field category: M4 (AWF 0 dB)**

PMF scaled E-field

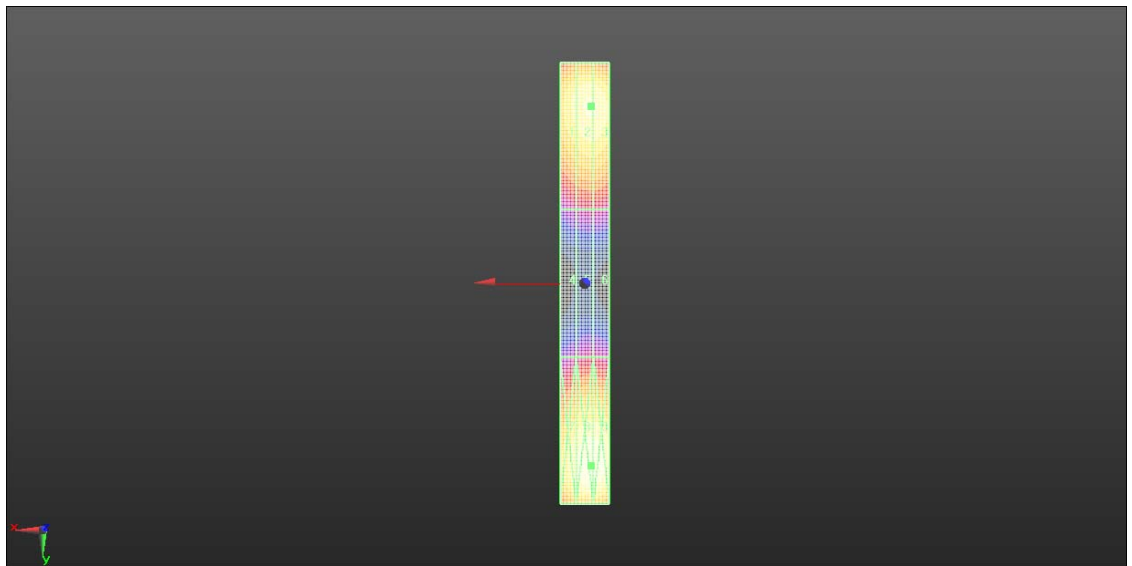
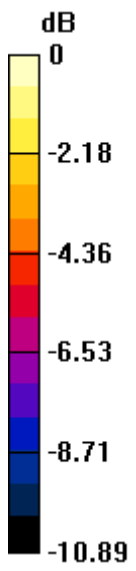
Grid 1 <b>M4</b> <b>108.8 V/m</b>	Grid 2 <b>M4</b> <b>115.1 V/m</b>	Grid 3 <b>M4</b> <b>114.9 V/m</b>
Grid 4 <b>M4</b> <b>60.42 V/m</b>	Grid 5 <b>M4</b> <b>63.09 V/m</b>	Grid 6 <b>M4</b> <b>63.09 V/m</b>
Grid 7 <b>M4</b> <b>114.8 V/m</b>	Grid 8 <b>M4</b> <b>123.7 V/m</b>	Grid 9 <b>M4</b> <b>123.5 V/m</b>

#### Cursor:

Total = 123.7 V/m

E Category: M4

Location: -2.5, 74.5, 8.7 mm



0 dB = 123.7 V/m = 41.85 dBV/m

Test Laboratory: SGS-SAR Lab

## HAC-E-Dipole CD1880V3

**DUT: CD1880V3; Type: CDipole; Serial: 1023**

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

Medium: Air; Medium parameters used:  $\sigma = 0$  S/m,  $\epsilon_r = 1$ ;  $\rho = 0$  kg/m<sup>3</sup>

Phantom section: RF Section

DASY 5 Configuration:

- Probe: EF3DV3 - SN4051; ConvF(1, 1, 1); Calibrated: 2021-05-28
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1663; Calibrated: 2021-03-01
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

### 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 = 172.3 V/m; Power Drift = -0.10 dB

PMR not calibrated. PMF = 1.000 is applied.

E-field emissions = 91.04 V/m

**Near-field category: M3 (AWF 0 dB)**

PMF scaled E-field

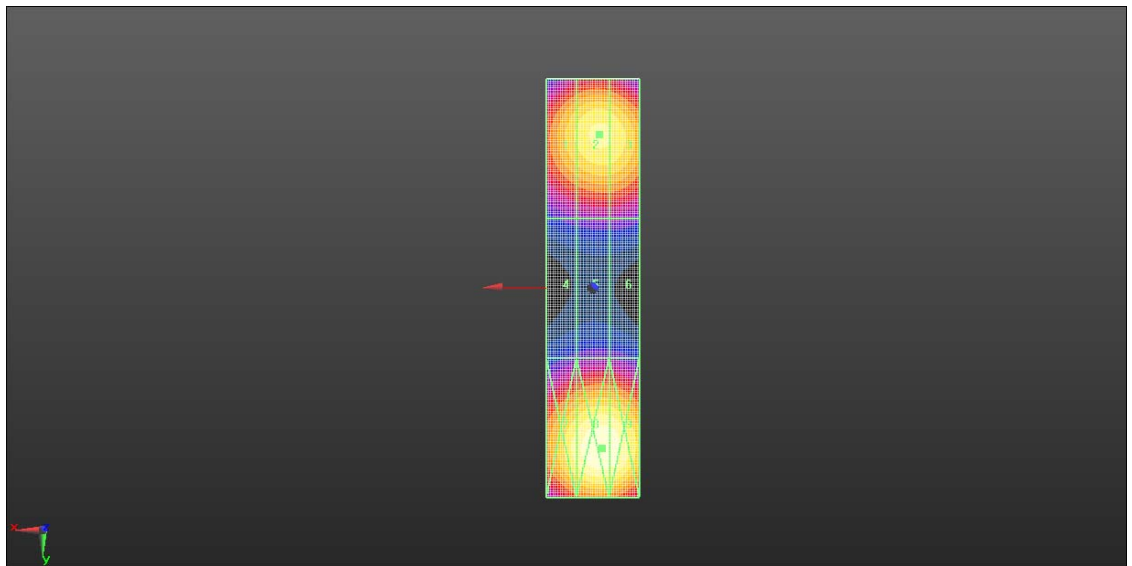
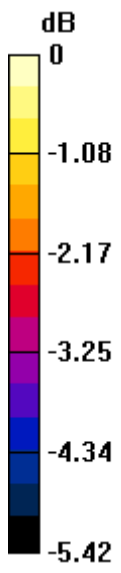
Grid 1 <b>M3</b> <b>87.03 V/m</b>	Grid 2 <b>M3</b> <b>91.04 V/m</b>	Grid 3 <b>M3</b> <b>90.59 V/m</b>
Grid 4 <b>M3</b> <b>64.44 V/m</b>	Grid 5 <b>M3</b> <b>66.09 V/m</b>	Grid 6 <b>M3</b> <b>66.09 V/m</b>
Grid 7 <b>M3</b> <b>92.21 V/m</b>	Grid 8 <b>M3</b> <b>97.83 V/m</b>	Grid 9 <b>M3</b> <b>97.44 V/m</b>

#### Cursor:

Total = 97.83 V/m

E Category: M3

Location: -2, 34.5, 8.7 mm



0 dB = 97.83 V/m = 39.81 dBV/m

Test Laboratory: SGS-SAR Lab

## HAC-E-Dipole CD2600V3

**DUT: CDV26003; Type: CDipole; Serial: 1021**

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

Medium: Air; Medium parameters used:  $\sigma = 0$  S/m,  $\epsilon_r = 1$ ;  $\rho = 0$  kg/m<sup>3</sup>

Phantom section: RF Section

DASY 5 Configuration:

- Probe: EF3DV3 - SN4051; ConvF(1, 1, 1) ; Calibrated: 2021-05-28
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1374; Calibrated: 2021-11-05
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

### 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 = 66.77 V/m; Power Drift = -0.04 dB

PMR not calibrated. PMF = 1.000 is applied.

E-field emissions = 84.60 V/m

**Near-field category: M3 (AWF 0 dB)**

PMF scaled E-field

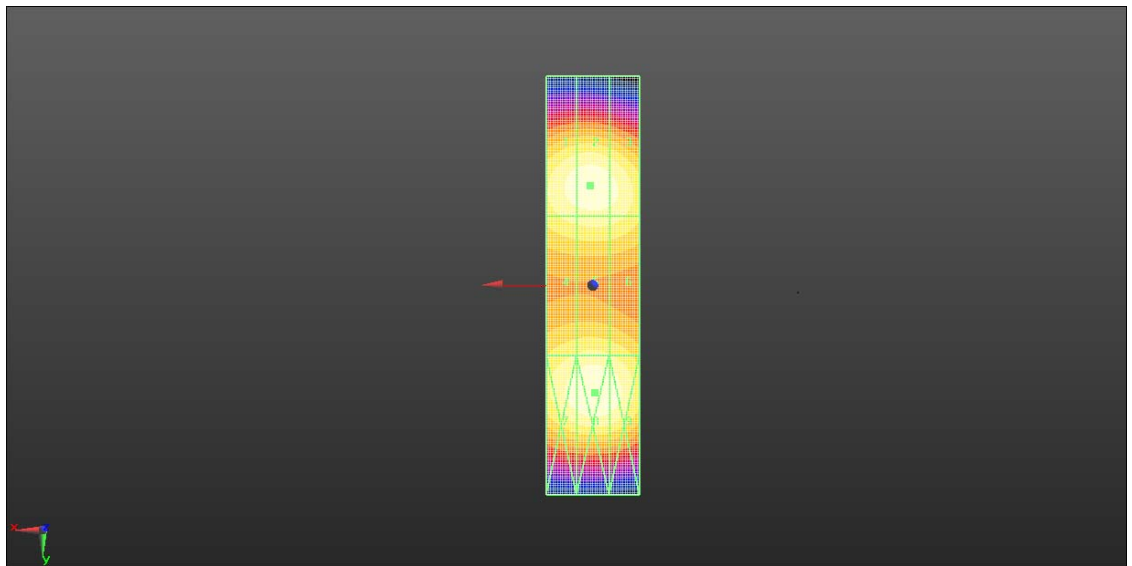
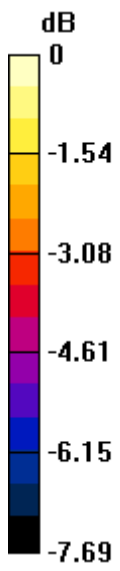
Grid 1 <b>M3</b> <b>83.42 V/m</b>	Grid 2 <b>M3</b> <b>84.60 V/m</b>	Grid 3 <b>M3</b> <b>83.11 V/m</b>
Grid 4 <b>M3</b> <b>79.01 V/m</b>	Grid 5 <b>M3</b> <b>79.89 V/m</b>	Grid 6 <b>M3</b> <b>79.26 V/m</b>
Grid 7 <b>M3</b> <b>83.92 V/m</b>	Grid 8 <b>M3</b> <b>86.12 V/m</b>	Grid 9 <b>M3</b> <b>84.76 V/m</b>

#### Cursor:

Total = 86.12 V/m

E Category: M3

Location: -0.5, 23, 8.7 mm



0 dB = 86.12 V/m = 38.70 dBV/m