



**SGS-CSTC Standards Technical Services Co., Ltd.**  
**Xi'An Branch**

Report No.: ZR/2020/3002707

# **Appendix A**

## **Detailed System Check Results**

|                                   |
|-----------------------------------|
| 1. System Check Results           |
| System Performance Check 835 MHz  |
| System Performance Check 1880 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,  $\epsilon_r = 1$ ;  $\rho = 0$  kg/m<sup>3</sup>

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 = 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 = 127.8 V/m; Power Drift = -0.03 dB

PMR not calibrated. PMF = 1.000 is applied.

E-field emissions = 110.77 V/m

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

PMF scaled E-field

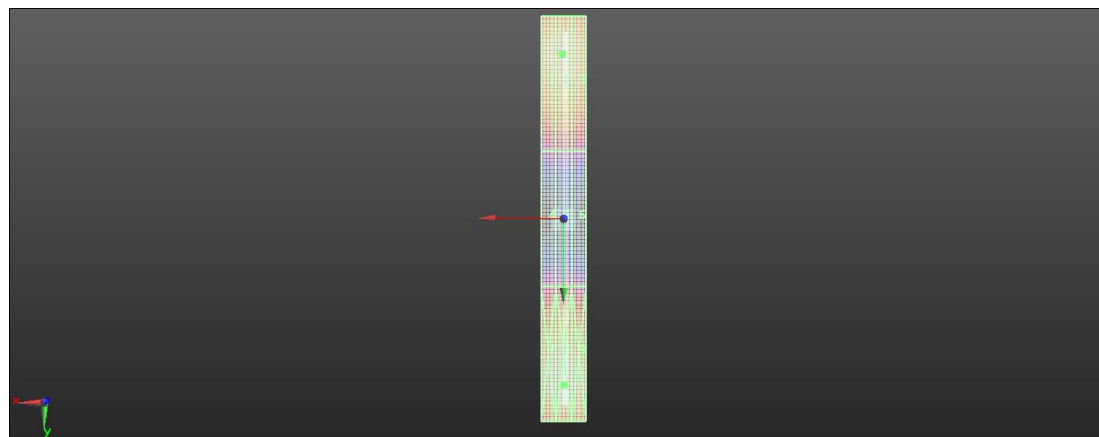
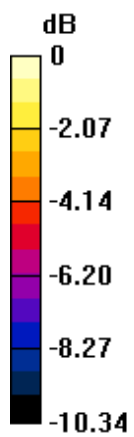
|                                       |                                       |                                       |
|---------------------------------------|---------------------------------------|---------------------------------------|
| Grid 1 <b>M4</b><br><b>109.3 V/m</b>  | Grid 2 <b>M4</b><br><b>110.77 V/m</b> | Grid 3 <b>M4</b><br><b>107.78 V/m</b> |
| Grid 4 <b>M4</b><br><b>63.03 V/m</b>  | Grid 5 <b>M4</b><br><b>63.45 V/m</b>  | Grid 6 <b>M4</b><br><b>61.65 V/m</b>  |
| Grid 7 <b>M4</b><br><b>116.55 V/m</b> | Grid 8 <b>M4</b><br><b>118.98 V/m</b> | Grid 9 <b>M4</b><br><b>115.86 V/m</b> |

#### Cursor:

Total = 118.98 V/m

E Category: M4

Location: 0, 73.5, 8.7 mm



0 dB = 118.8 V/m = 41.50 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,  $\epsilon_r = 1$ ;  $\rho = 0$  kg/m<sup>3</sup>

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 = 156.7 V/m; Power Drift = -0.01 dB

PMR not calibrated. PMF = 1.000 is applied.

E-field emissions = 90.62 V/m

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

PMF scaled E-field

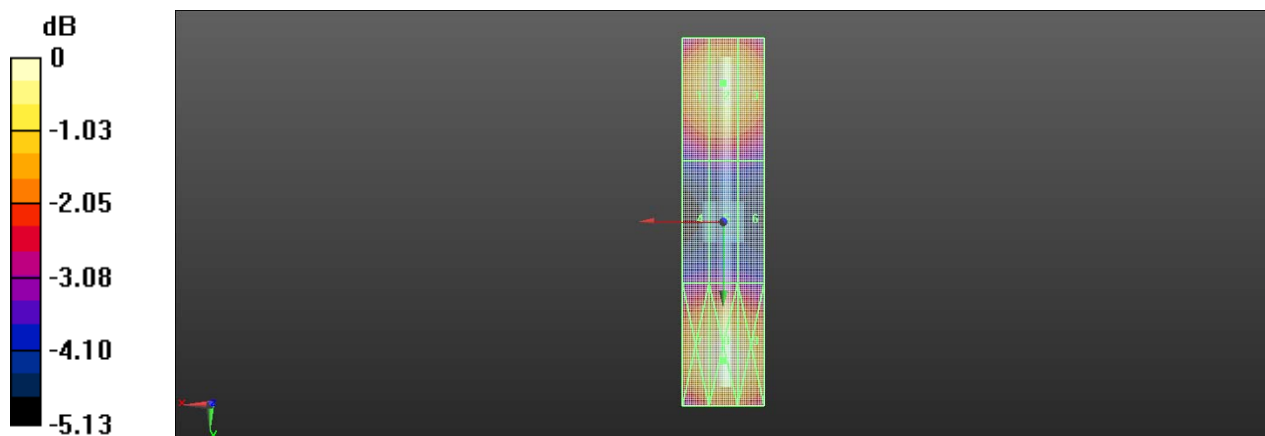
|                                      |                                      |                                      |
|--------------------------------------|--------------------------------------|--------------------------------------|
| Grid 1 <b>M3</b><br><b>88.93 V/m</b> | Grid 2 <b>M3</b><br><b>90.62 V/m</b> | Grid 3 <b>M3</b><br><b>88.58 V/m</b> |
| Grid 4 <b>M3</b><br><b>65.42 V/m</b> | Grid 5 <b>M3</b><br><b>65.52 V/m</b> | Grid 6 <b>M3</b><br><b>64.69 V/m</b> |
| Grid 7 <b>M3</b><br><b>91.49 V/m</b> | Grid 8 <b>M3</b><br><b>93.59 V/m</b> | Grid 9 <b>M3</b><br><b>91.66 V/m</b> |

#### Cursor:

Total = 93.59 V/m

E Category: M3

Location: 0, 34, 8.7 mm



0 dB = 93.51 V/m = 39.42 dBV/m