



Report No.: SEWM2302000043RG02

Rev.: 01

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# Appendix A

## Detailed System Check Results

1. System Check 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: 1030**

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: 2022-06-10
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1740; Calibrated: 2022-08-03
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA; Serial:
- 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 = 126.1 V/m; Power Drift = -0.12 dB

PMR not calibrated. PMF = 1.000 is applied.

E-field emissions = 122.9 V/m

**Average value of Total=(122.9+113.5)/2=118.2V/m**

PMF scaled E-field

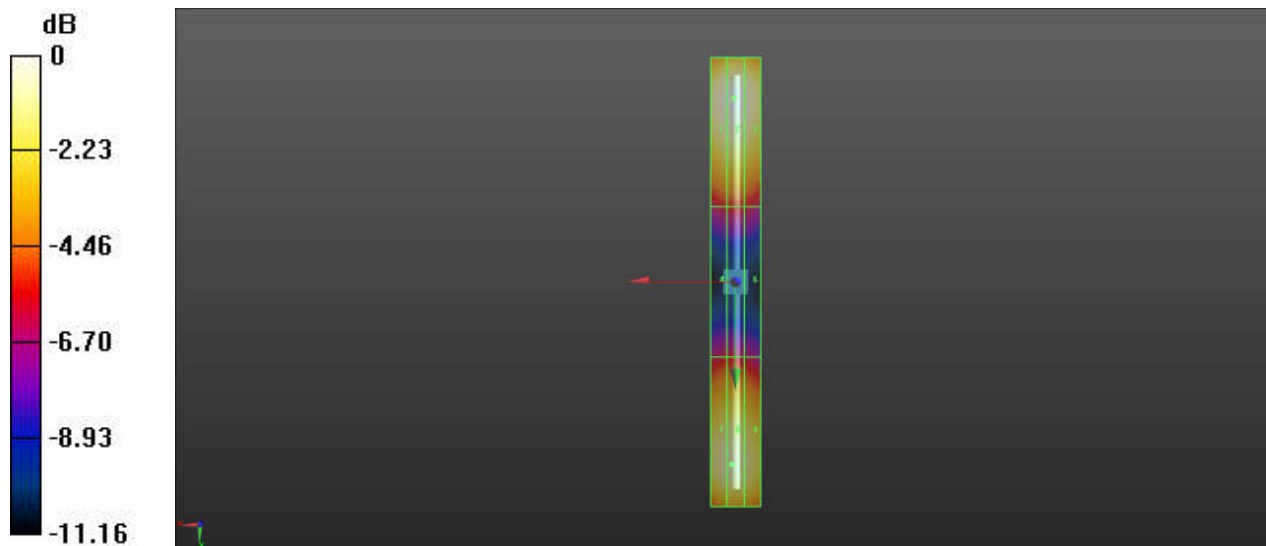
<b>Grid 1 M4</b> <b>121.2 V/m</b>	<b>Grid 2 M4</b> <b>122.9 V/m</b>	<b>Grid 3 M4</b> <b>118.8 V/m</b>
<b>Grid 4 M4</b> <b>64.93 V/m</b>	<b>Grid 5 M4</b> <b>65.74 V/m</b>	<b>Grid 6 M4</b> <b>64.06 V/m</b>
<b>Grid 7 M4</b> <b>112.6 V/m</b>	<b>Grid 8 M4</b> <b>113.5 V/m</b>	<b>Grid 9 M4</b> <b>108.9 V/m</b>

**Cursor:**

Total = 122.9 V/m

E Category: M4

Location: 0.5, -73.5, 8.7 mm



0 dB = 122.9 V/m = 41.79 dBV/m

Test Laboratory: SGS-SAR Lab

## HAC-E-Dipole CD1880V3

**DUT: CD1880V3; Type: CD1880V3; 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: 2022-06-10
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1740; Calibrated: 2022-08-03
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA; Serial:
- 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 = 170.3 V/m; Power Drift = -0.05 dB

PMR not calibrated. PMF = 1.000 is applied.

E-field emissions = 98.80 V/m

**Average value of Total=(87.18+98.8)/2=92.99V/m**

PMF scaled E-field

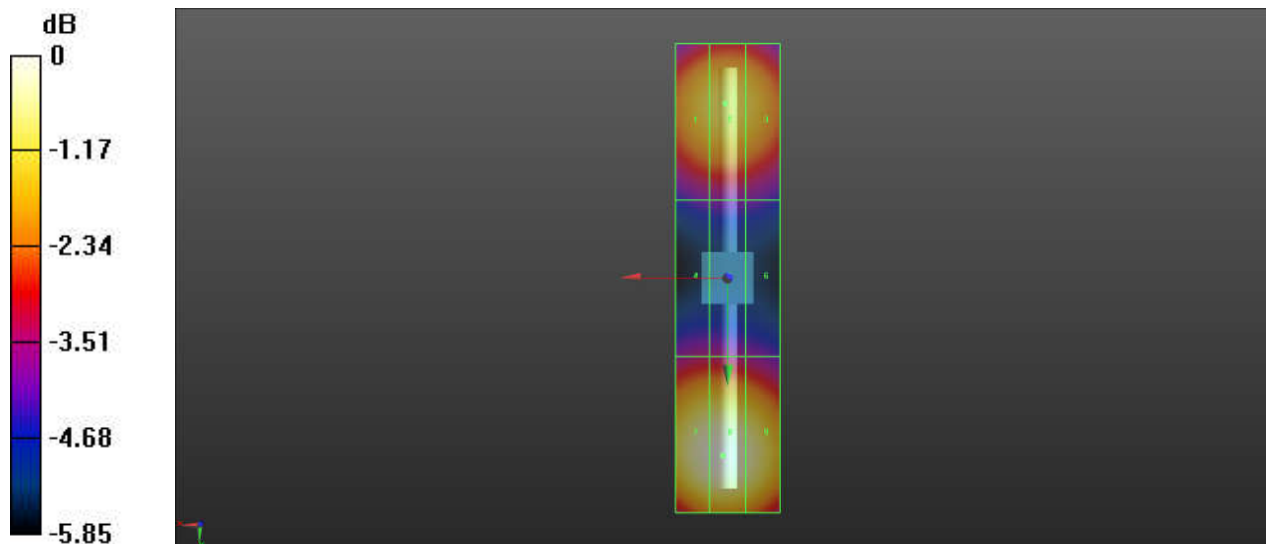
Grid 1 <b>M3</b> <b>85.78 V/m</b>	Grid 2 <b>M3</b> <b>87.18 V/m</b>	Grid 3 <b>M3</b> <b>85.01 V/m</b>
Grid 4 <b>M3</b> <b>66.59 V/m</b>	Grid 5 <b>M3</b> <b>66.59 V/m</b>	Grid 6 <b>M3</b> <b>64.61 V/m</b>
Grid 7 <b>M3</b> <b>97.85 V/m</b>	Grid 8 <b>M3</b> <b>98.80 V/m</b>	Grid 9 <b>M3</b> <b>94.85 V/m</b>

**Cursor:**

Total = 98.80 V/m

E Category: M3

Location: 1, 34, 8.7 mm



0 dB = 98.80 V/m = 39.90 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,  $\epsilon_r = 1$ ;  $\rho = 0$  kg/m<sup>3</sup>

Phantom section: RF Section

DASY 5 Configuration:

- Probe: EF3DV3 - SN4051; ConvF(1, 1, 1); Calibrated: 2022-06-10
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1327; Calibrated: 2021-11-05
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA; Serial:
- 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 = 68.73 V/m; Power Drift = -0.02 dB

PMR not calibrated. PMF = 1.000 is applied.

E-field emissions = 91.20 V/m

**Average value of Total=(82.68+91.2)/2=86.94V/m**

PMF scaled E-field

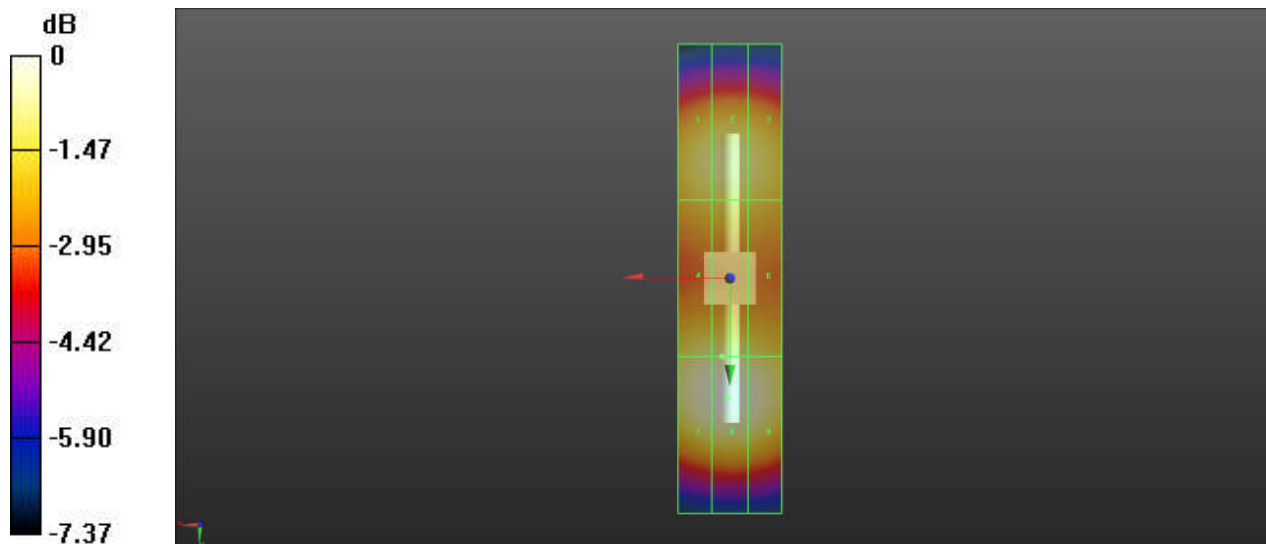
Grid 1 <b>M3</b> <b>81.41 V/m</b>	Grid 2 <b>M3</b> <b>82.68 V/m</b>	Grid 3 <b>M3</b> <b>81.04 V/m</b>
Grid 4 <b>M3</b> <b>82.56 V/m</b>	Grid 5 <b>M3</b> <b>82.85 V/m</b>	Grid 6 <b>M3</b> <b>80.95 V/m</b>
Grid 7 <b>M3</b> <b>90.03 V/m</b>	Grid 8 <b>M3</b> <b>91.20 V/m</b>	Grid 9 <b>M3</b> <b>88.60 V/m</b>

**Cursor:**

Total = 91.20 V/m

E Category: M3

Location: 0.5, 23, 8.7 mm



0 dB = 91.20 V/m = 39.20 dBV/m