

Appendix A

Detailed System Check Results

1. System Check Results
System Performance Check 835 MHz
System Performance Check 1880 MHz
System Performance Check 2450 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, $\epsilon_r = 1$; $\rho = 0$ kg/m³
Phantom section: RF Section

DASY 5 Configuration:

- Probe: EF3DV3 - SN4051; ConvF(1, 1, 1) @ 835 MHz; 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
- 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 = 108.1 V/m

Average value of Total=(108.1+106.9)/2=107.5V/m

PMF scaled E-field

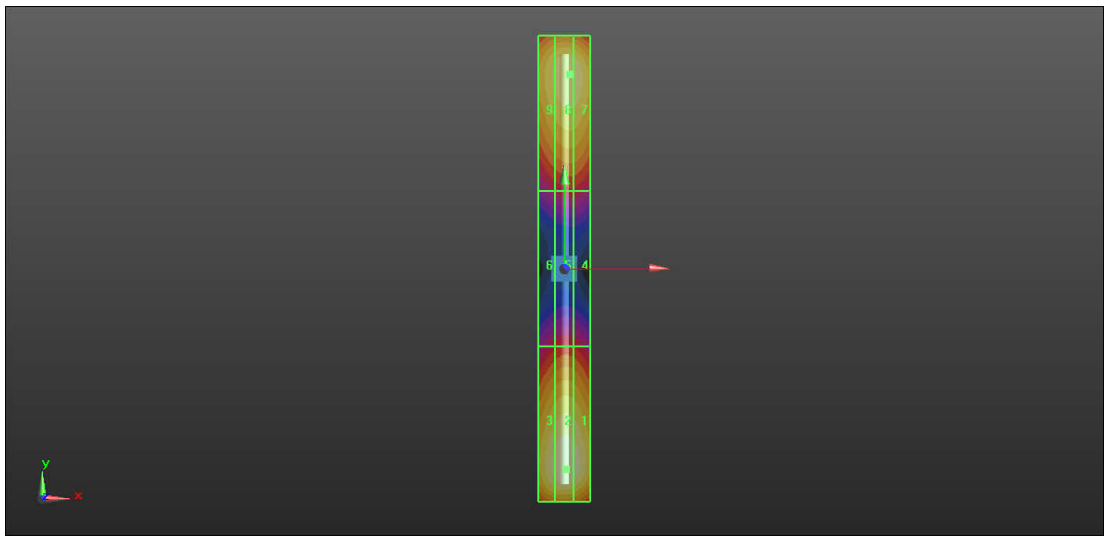
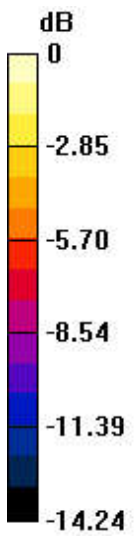
Grid 1 M4 101.9 V/m	Grid 2 M4 108.1 V/m	Grid 3 M4 106.6 V/m
Grid 4 M4 62.67 V/m	Grid 5 M4 64.87 V/m	Grid 6 M4 60.12 V/m
Grid 7 M4 105.6 V/m	Grid 8 M4 106.9 V/m	Grid 9 M4 104.9 V/m

Cursor:

Total = 107.2 V/m

E Category: M4

Location: 0.5, -77.5, 3.7 mm



0 dB = 107.2 V/m = 40.60 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/m³
Phantom section: RF Section

DASY 5 Configuration:

- Probe: EF3DV3 - SN4051; ConvF(1, 1, 1) @ 1880 MHz; 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
- 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

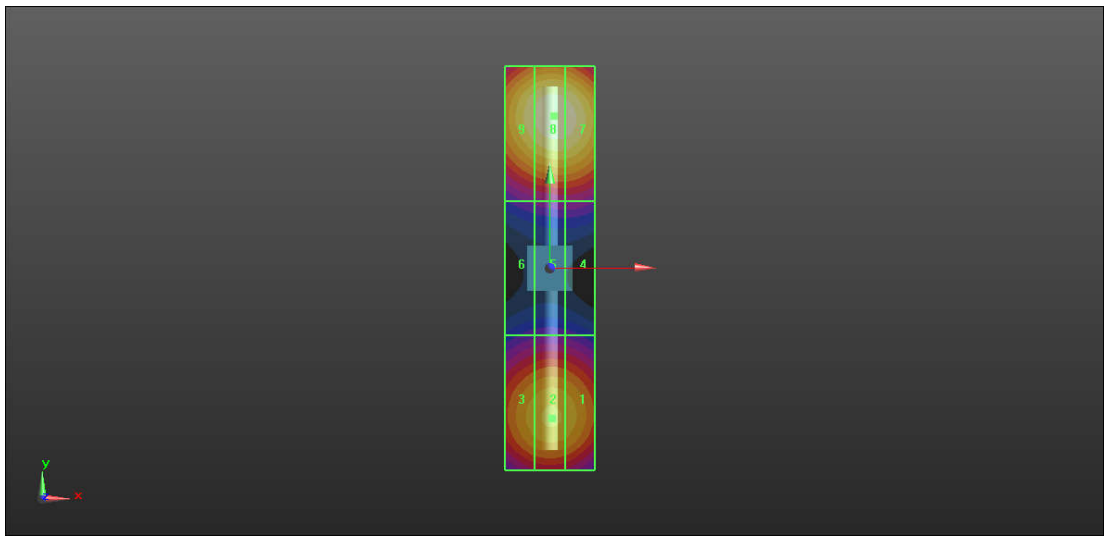
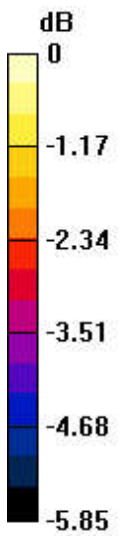
Grid 1 M3 85.78 V/m	Grid 2 M3 87.18 V/m	Grid 3 M3 85.01 V/m
Grid 4 M3 66.59 V/m	Grid 5 M3 66.59 V/m	Grid 6 M3 64.61 V/m
Grid 7 M3 97.85 V/m	Grid 8 M3 98.80 V/m	Grid 9 M3 94.85 V/m

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 CD2450V3

DUT: CD2450V3; Type: CD2450V3; Serial: 1044

Communication System: UID 0, CW; Frequency: 2450 MHz; Duty Cycle: 1:1

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

Phantom section: RF Section

DASY 5 Configuration:

- Probe: EF3DV3 - SN4051; ConvF(1, 1, 1) @ 2450 MHz; 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
- 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 CD2450 = 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 = 79.22 V/m; Power Drift = -0.07 dB

PMR not calibrated. PMF = 1.000 is applied.

E-field emissions = 91.25 V/m

Average value of Total=(87.01+91.25)/2=89.13V/m

PMF scaled E-field

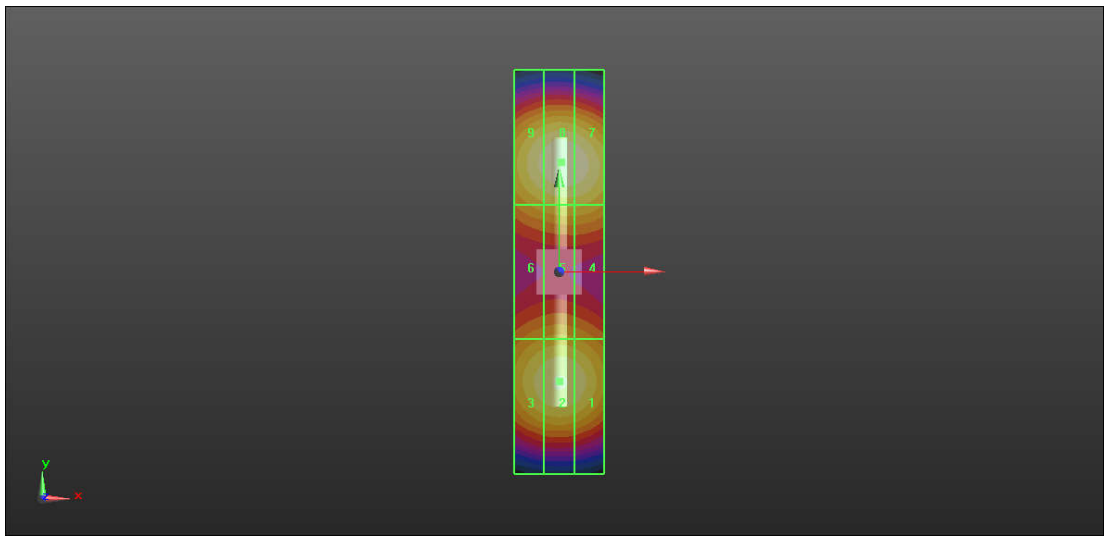
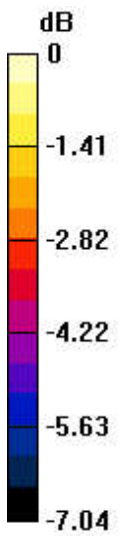
Grid 1 M3 85.34 V/m	Grid 2 M3 87.01 V/m	Grid 3 M3 84.68 V/m
Grid 4 M3 78.73 V/m	Grid 5 M3 78.85 V/m	Grid 6 M3 76.53 V/m
Grid 7 M3 90.23 V/m	Grid 8 M3 91.25 V/m	Grid 9 M3 88.02 V/m

Cursor:

Total = 91.25 V/m

E Category: M3

Location: 0.5, 24.5, 8.7 mm



0 dB = 91.25 V/m = 39.20 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/m³

Phantom section: RF Section

DASY 5 Configuration:

- Probe: EF3DV3 - SN4051; ConvF(1, 1, 1) @ 2600 MHz; 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
- 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

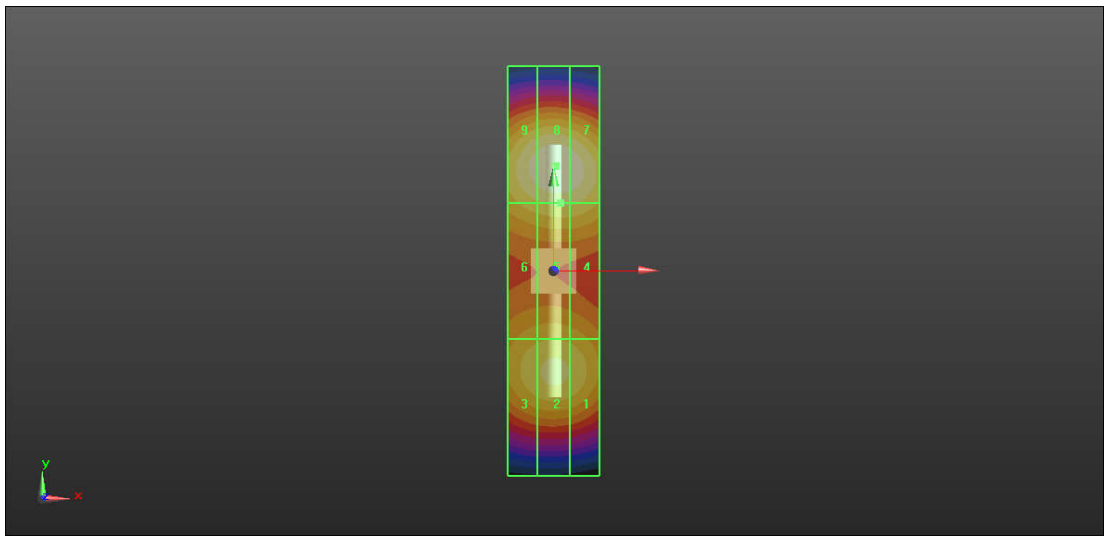
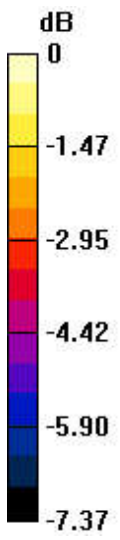
Grid 1 M3 81.41 V/m	Grid 2 M3 82.68 V/m	Grid 3 M3 81.04 V/m
Grid 4 M3 82.56 V/m	Grid 5 M3 82.85 V/m	Grid 6 M3 80.95 V/m
Grid 7 M3 90.03 V/m	Grid 8 M3 91.20 V/m	Grid 9 M3 88.60 V/m

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