

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

Test Laboratory: SGS-SAR Lab

HAC-E-Dipole 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: ER3DV6 - SN2344; ConvF(1, 1, 1); Calibrated: 2021-07-19
- 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 = 110.0 V/m; Power Drift = -0.01 dB

PMR not calibrated. PMF = 1.000 is applied.

E-field emissions = 101.2 V/m

Average value of Total=(105.6+103.8)/2=104.7V/m

PMF scaled E-field

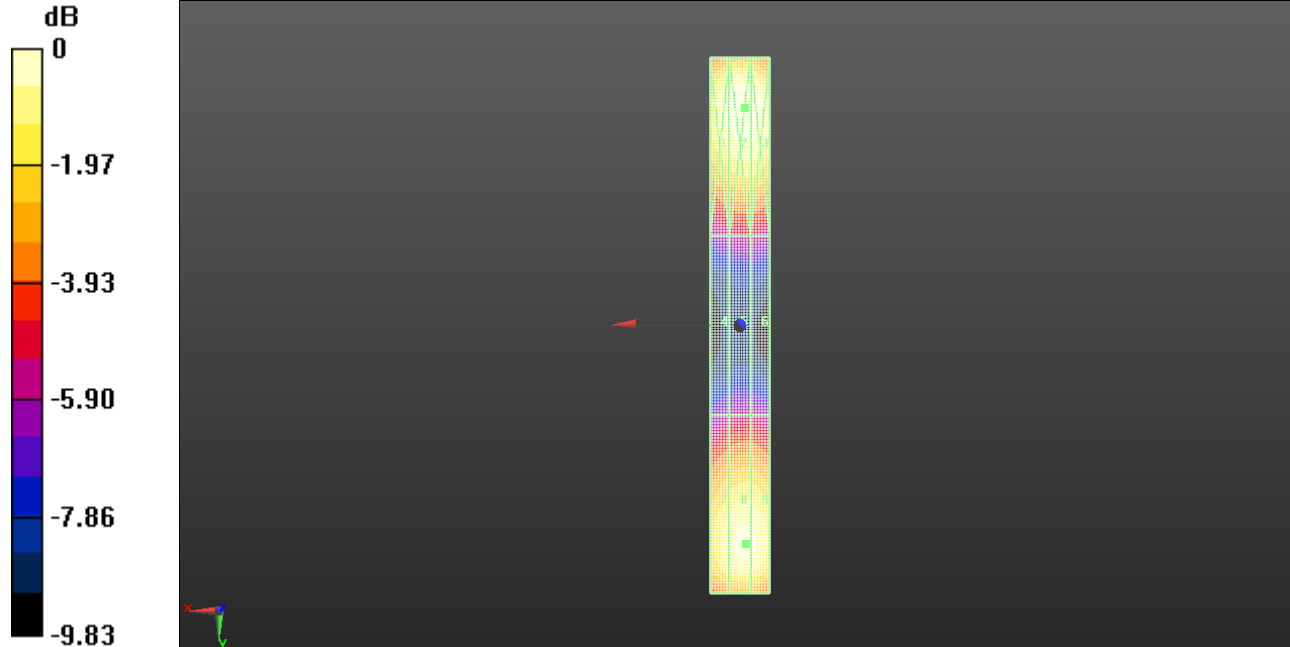
Grid 1 M4 102.2 V/m	Grid 2 M4 105.6V/m	Grid 3 M4 104.8 V/m
Grid 4 M4 55.83 V/m	Grid 5 M4 58.14 V/m	Grid 6 M4 58.01 V/m
Grid 7 M4 97.39 V/m	Grid 8 M4 103.8 V/m	Grid 9 M4 101.8 V/m

Cursor:

Total = 107.2 V/m

E Category: M4

Location: -1.5, -73, 8.7 mm



0 dB = 107.2 V/m = 40.60 dBV/m

Test Laboratory: SGS-SAR Lab

HAC-E-Dipole 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: ER3DV6 - SN2344; ConvF(1, 1, 1); Calibrated: 2021-07-19
- 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 = 130.2 V/m; Power Drift = -0.05 dB

PMR not calibrated. PMF = 1.000 is applied.

E-field emissions = 81.69 V/m

Average value of Total=(86.43+81.69)/2=84.06V/m

PMF scaled E-field

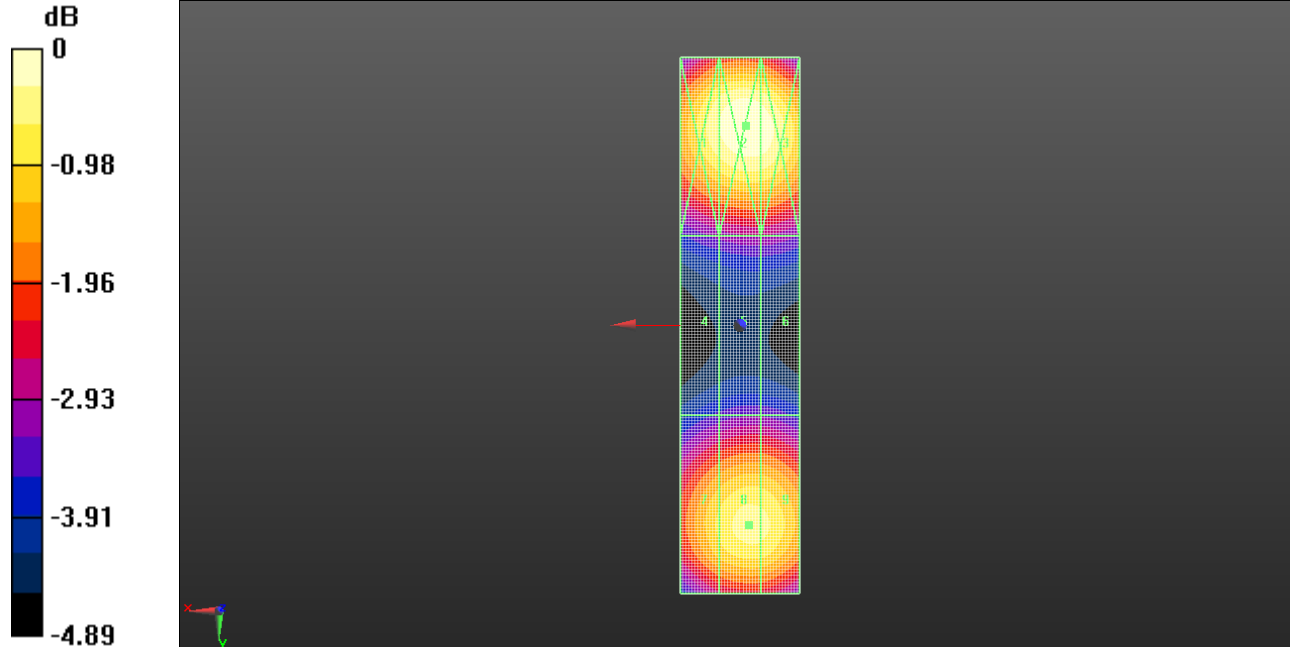
Grid 1 M3 83.56 V/m	Grid 2 M3 86.43 V/m	Grid 3 M3 85.88 V/m
Grid 4 M4 60.31 V/m	Grid 5 M4 61.75 V/m	Grid 6 M4 61.73 V/m
Grid 7 M3 78.15 V/m	Grid 8 M3 81.69 V/m	Grid 9 M3 81.38 V/m

Cursor:

Total = 86.57 V/m

E Category: M3

Location: -1, -33.5, 8.7 mm



0 dB = 86.57 V/m = 38.75 dBV/m

Test Laboratory: SGS-SAR Lab

HAC-E-Dipole CD2450V3

Type: CD2450V3; Serial: 1044

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

Medium: Air;Medium parameters used: $\sigma = 0 \text{ S/m}$, $\epsilon_r = 1$; $\rho = 0 \text{ kg/m}^3$

Phantom section: RF Section

DASY 5 Configuration:

- Probe: ER3DV6 - SN2344; ConvF(1, 1, 1); Calibrated: 2021-07-19
- 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 = 69.83 V/m; Power Drift = -0.03 dB

PMR not calibrated. PMF = 1.000 is applied.

E-field emissions = 88.48 V/m

Average value of Total=(81.63+81.48)/2=86.18V/m

PMF scaled E-field

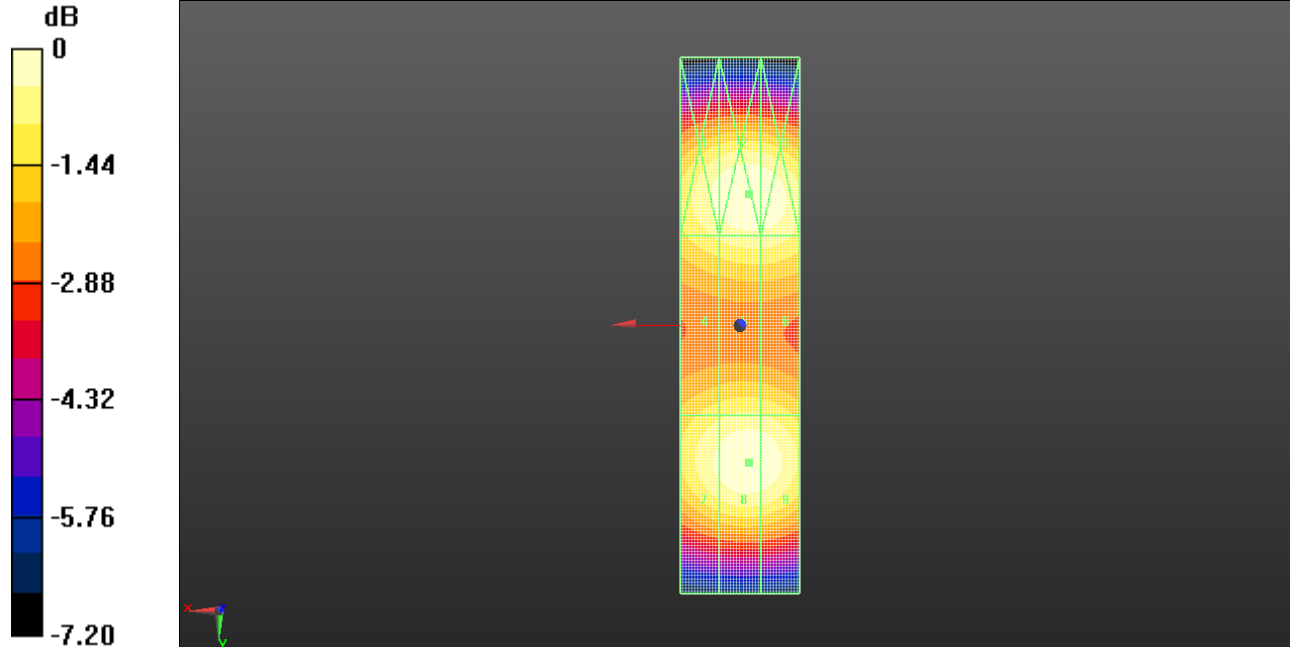
Grid 1 M3 81.36 V/m	Grid 2 M3 86.48 V/m	Grid 3 M3 84.24 V/m
Grid 4 M3 75.87 V/m	Grid 5 M3 76.22 V/m	Grid 6 M3 79.18 V/m
Grid 7 M3 81.42 V/m	Grid 8 M3 85.88 V/m	Grid 9 M3 84.90 V/m

Cursor:

Total = 81.63 V/m

E Category: M3

Location: -1.5, -22, 8.7 mm



0 dB = 81.63 V/m = 38.24 dBV/m