



AppendixA

Detailed System CheckResults

1. SystemCheckResults
System Performance Check 835 MHz
System Performance Check 1880 MHz
System Performance Check 2450MHz
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/m³

Phantom section: RF Section

DASY 5 Configuration:

- Probe: EF3DV3 - SN4051; ConvF(1, 1, 1); Calibrated: 2021-05-28
- Sensor-Surface: 0mm (Fix Surface), Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1428; Calibrated: 2021-04-09
- 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 = 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 = 137.4 V/m; Power Drift = -0.06 dB

PMR not calibrated. PMF = 1.000 is applied.

E-field emissions = 107.9 V/m

Near-field category: M4 (AWF 0 dB)

PMF scaled E-field

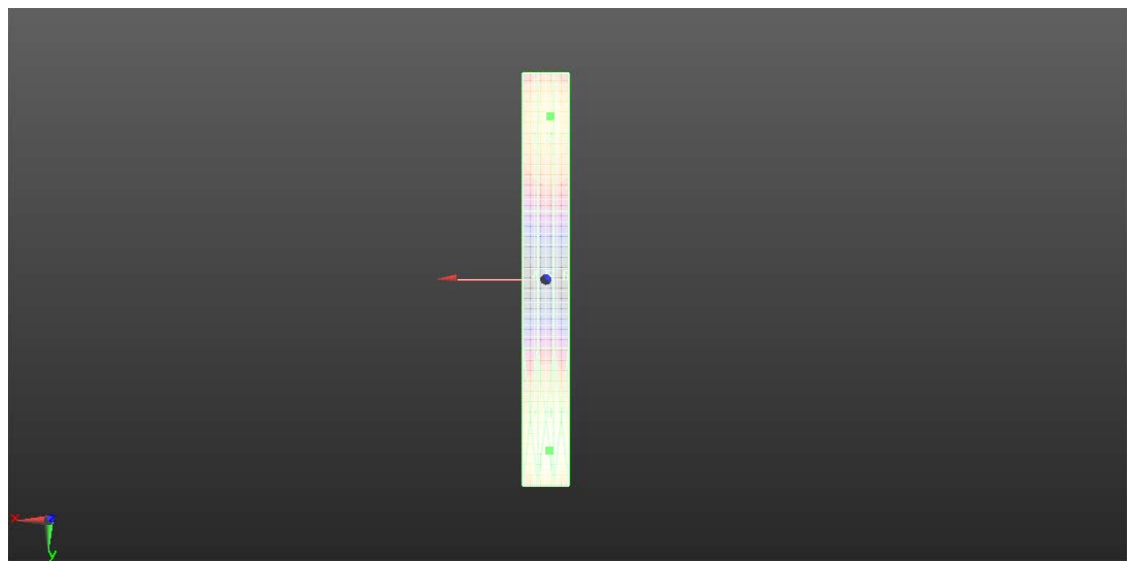
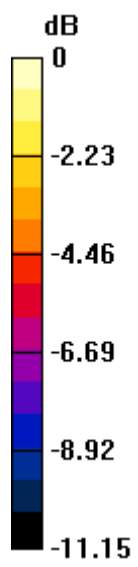
Grid 1 M4 103.3 V/m	Grid 2 M4 107.9 V/m	Grid 3 M4 107.5 V/m
Grid 4 M4 64.79 V/m	Grid 5 M4 66.75 V/m	Grid 6 M4 66.23 V/m
Grid 7 M4 124.9 V/m	Grid 8 M4 131.3 V/m	Grid 9 M4 130.3 V/m

Cursor:

Total = 131.3 V/m

E Category: M4

Location: -1.5, 74.5, 8.7 mm



0 dB = 130.7 V/m = 42.33 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); Calibrated: 2021-05-28
- Sensor-Surface: 0mm (Fix Surface), Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1428; Calibrated: 2021-04-09
- 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 = 10mm & 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 = 171.9 V/m; Power Drift = -0.12 dB

PMR not calibrated. PMF = 1.000 is applied.

E-field emissions = 87.53 V/m

Near-field category: M3 (AWF 0 dB)

PMF scaled E-field

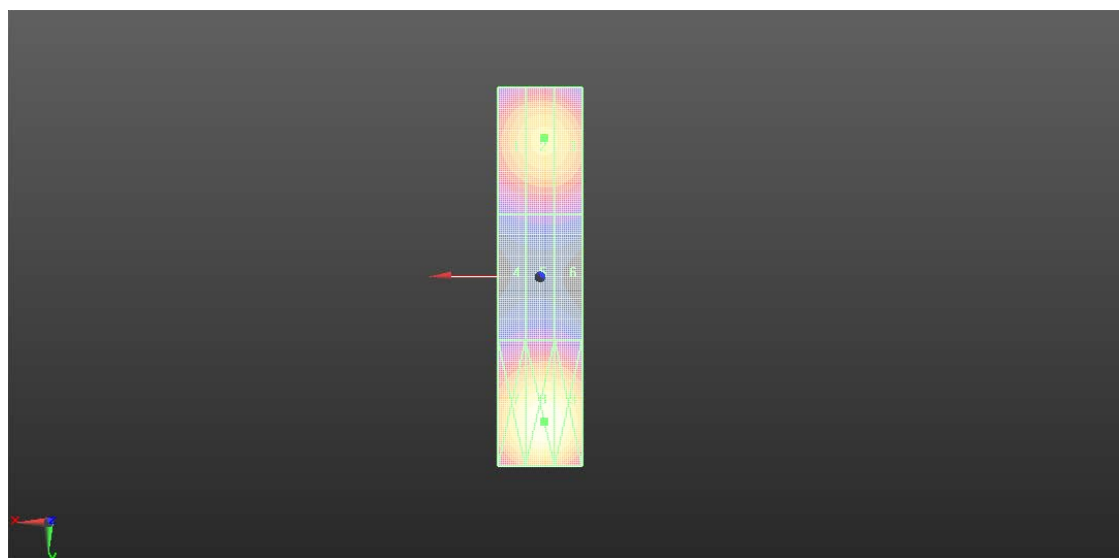
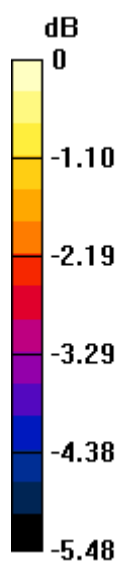
Grid 1 M3 84.89 V/m	Grid 2 M3 87.53 V/m	Grid 3 M3 86.73 V/m
Grid 4 M3 64.66 V/m	Grid 5 M3 65.50 V/m	Grid 6 M3 65.09 V/m
Grid 7 M3 94.11 V/m	Grid 8 M3 97.65 V/m	Grid 9 M3 96.53 V/m

Cursor:

Total = 97.65 V/m

E Category: M3

Location: -1, 34.5, 8.7 mm



0 dB = 97.42 V/m = 39.77 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); Calibrated: 2021-05-28
- Sensor-Surface: 0mm (Fix Surface), Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1428; Calibrated: 2021-04-09
- 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 = 10mm & 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 = 85.94 V/m; Power Drift = -0.03 dB

PMR not calibrated. PMF = 1.000 is applied.

E-field emissions = 90.87 V/m

Near-field category: M3 (AWF 0 dB)

PMF scaled E-field

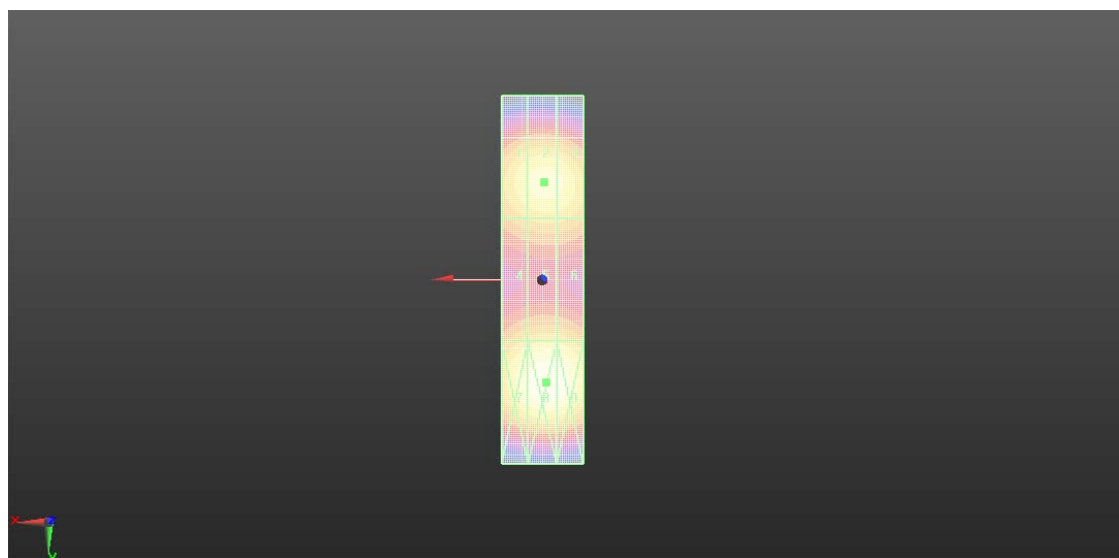
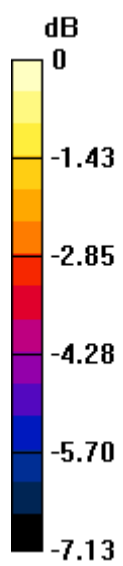
Grid 1 M3 88.39 V/m	Grid 2 M3 90.87 V/m	Grid 3 M3 89.92 V/m
Grid 4 M3 81.48 V/m	Grid 5 M3 83.79 V/m	Grid 6 M3 83.20 V/m
Grid 7 M3 94.36 V/m	Grid 8 M3 98.52 V/m	Grid 9 M3 97.42 V/m

Cursor:

Total = 98.52 V/m

E Category: M3

Location: -1, 25, 8.7 mm



0 dB = 98.32 V/m = 39.85 dBV/m

Test Laboratory: SGS-SAR Lab

HAC-E-Dipole CD2600V3 01

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); Calibrated: 2021-05-28
- Sensor-Surface: 0mm (Fix Surface), Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1428; Calibrated: 2021-04-09
- 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 = 10mm & 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 = 71.91 V/m; Power Drift = -0.02 dB

PMR not calibrated. PMF = 1.000 is applied.

E-field emissions = 86.13 V/m

Near-field category: M3 (AWF 0 dB)

PMF scaled E-field

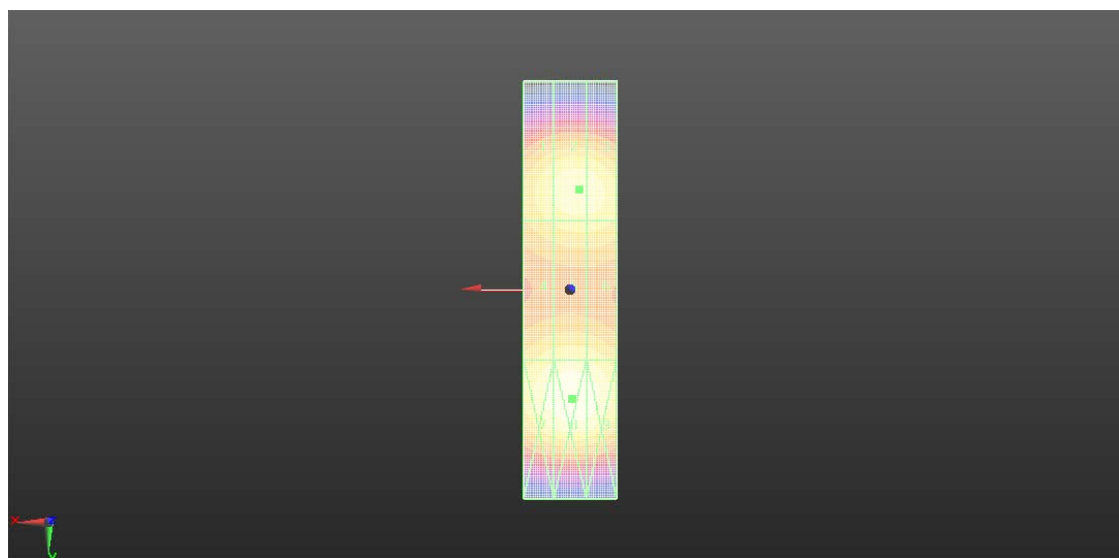
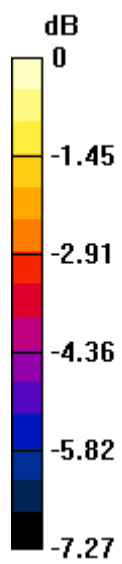
Grid 1 M3 83.29 V/m	Grid 2 M3 86.13 V/m	Grid 3 M3 85.80 V/m
Grid 4 M3 81.68 V/m	Grid 5 M3 83.21 V/m	Grid 6 M3 82.36 V/m
Grid 7 M3 89.59 V/m	Grid 8 M3 92.39 V/m	Grid 9 M3 90.92 V/m

Cursor:

Total = 92.39 V/m

E Category: M3

Location: -0.5, 23.5, 8.7 mm



0 dB = 91.78 V/m = 39.25 dBV/m