
Appendix B – System Check Plots

Date: 2023/11/20

System Check_E-Field_835 MHz

DUT: HAC Dipole 835 MHz; Type: CD835V3 ; SN: 1017

Communication System: UID 0, CW; Frequency: 835 MHz; Duty Cycle: 1:1

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

Ambient Temperature : 22.5 °C

DASY5.2 Configuration:

- Area Scan setting - Find Secondary Maximum Within:2.0dB and with a peak SAR value greater than 0.5 W/Kg
- Probe: EF3DV3 - SN4087; ConvF(1, 1, 1) @ 835 MHz; Calibrated: 2023/8/17
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn779; Calibrated: 2023/8/7
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

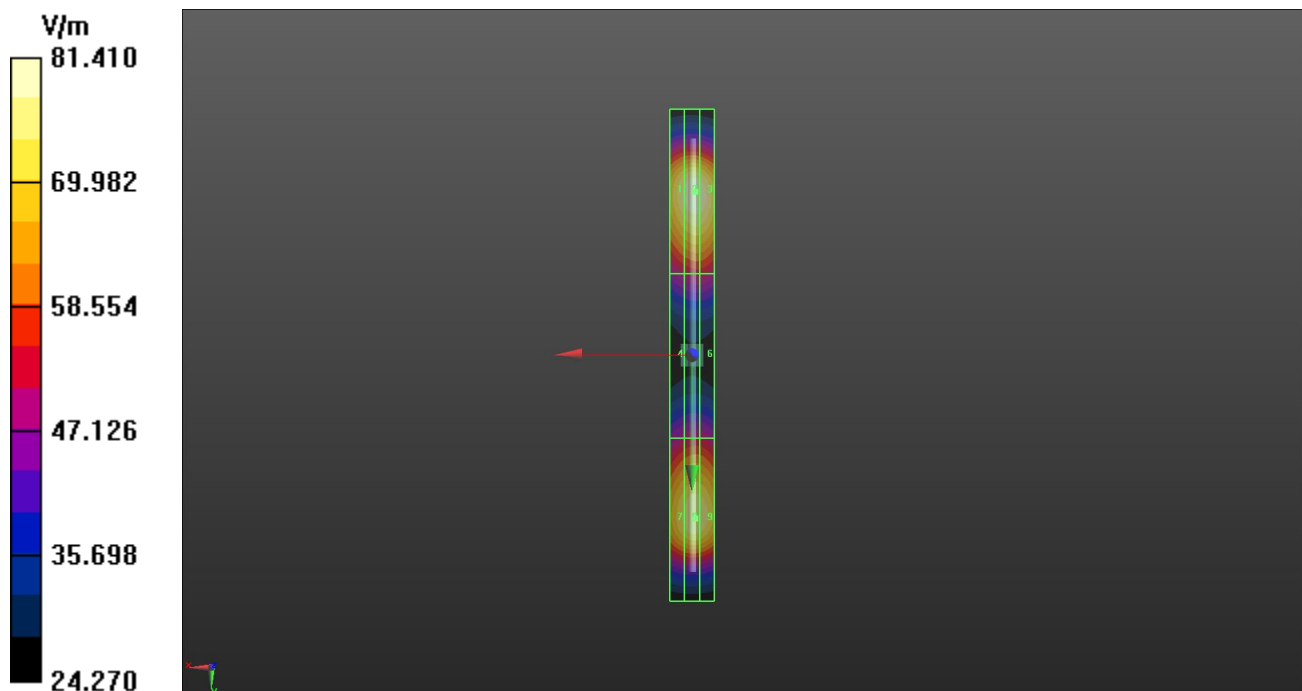
Hearing Aid Compatibility Test at 15mm distance (41x441x1): Interpolated grid: dx=0.5000 mm, dy=0.5000 mm

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 92.08 V/m; Power Drift = 0.01 dB

E-field emissions = 81.41 V/m

Grid 1 M4	Grid 2 M4	Grid 3 M4
78.47 V/m	81.41 V/m	80.87 V/m
Grid 4 M4	Grid 5 M4	Grid 6 M4
50.60 V/m	52.59 V/m	52.52 V/m
Grid 7 M4	Grid 8 M4	Grid 9 M4
74.93 V/m	77.83 V/m	77.35 V/m



Date: 2023/11/20

System Check_E-Field_1880 MHz**DUT: HAC Dipole 1880 MHz; Type: CD1880V3 ; SN: 1036**

Communication System: UID 0, CW; Frequency: 1880 MHz; Duty Cycle: 1:1

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

Ambient Temperature : 22.6 °C

DASY5.2 Configuration:

- Area Scan setting - Find Secondary Maximum Within:2.0dB and with a peak SAR value greater than 0.5 W/Kg
- Probe: EF3DV3 - SN4087; ConvF(1, 1, 1) @ 1880 MHz; Calibrated: 2023/8/17
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn779; Calibrated: 2023/8/7
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

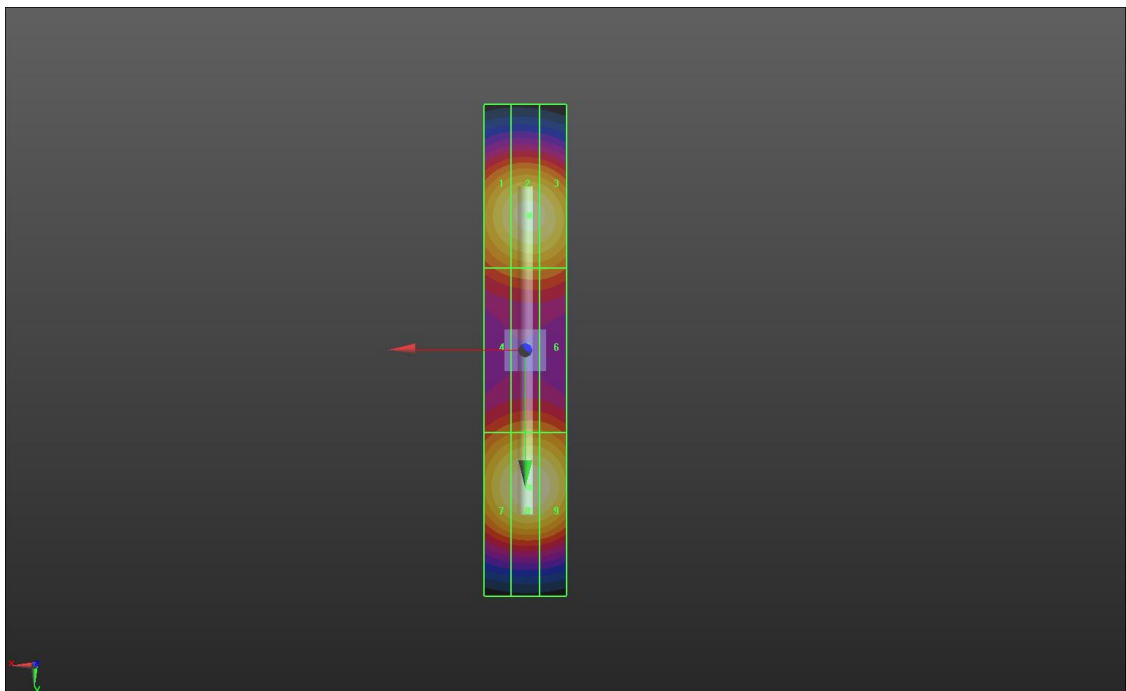
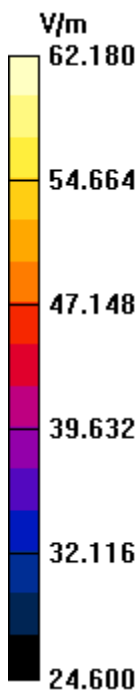
Hearing Aid Compatibility Test at 15mm distance (41x241x1): Interpolated grid: dx=0.5000 mm, dy=0.5000 mm

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 112.6 V/m; Power Drift = -0.01 dB

E-field emissions = 62.18 V/m

Grid 1 M4 59.23 V/m	Grid 2 M4 60.99 V/m	Grid 3 M4 60.49 V/m
Grid 4 M4 49.50 V/m	Grid 5 M4 50.71 V/m	Grid 6 M4 50.43 V/m
Grid 7 M4 60.09 V/m	Grid 8 M4 62.18 V/m	Grid 9 M4 61.73 V/m



Date: 2023/11/20

System Check_E-Field_2450 MHz

DUT: HAC Dipole 2450 MHz; Type: CD2450V3; SN: 1037

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

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

Ambient Temperature : 22.5 °C

DASY5.2 Configuration:

- Area Scan setting - Find Secondary Maximum Within:2.0dB and with a peak SAR value greater than 0.5 W/Kg
- Probe: EF3DV3 - SN4087; ConvF(1, 1, 1) @ 2450 MHz; Calibrated: 2023/8/17
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn779; Calibrated: 2023/8/7
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

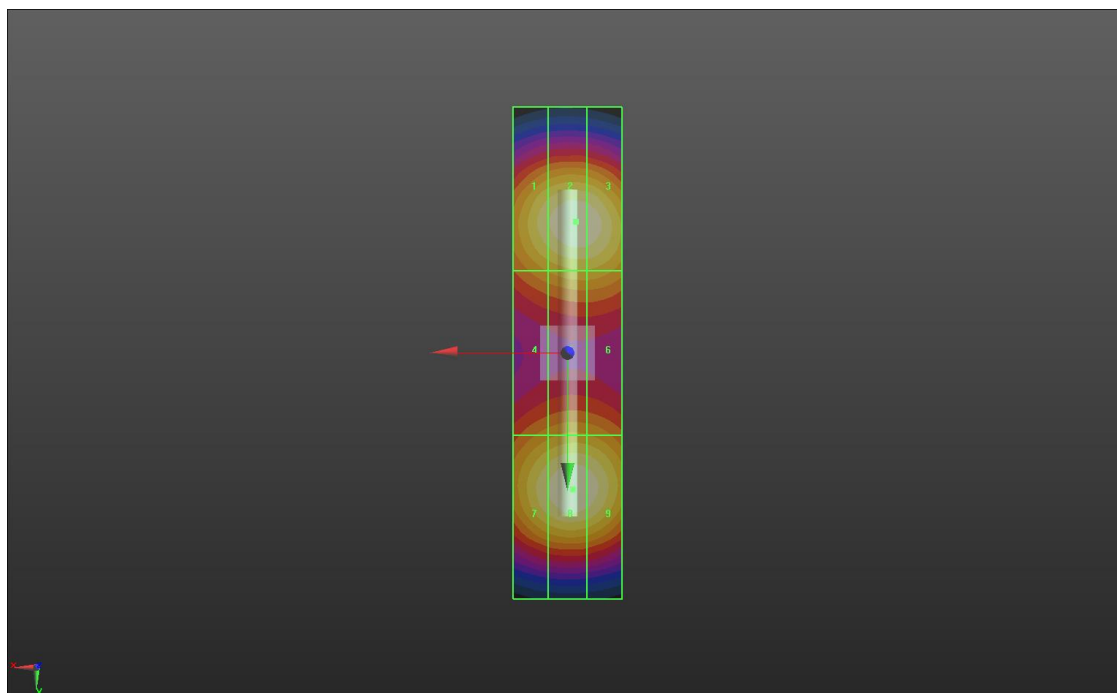
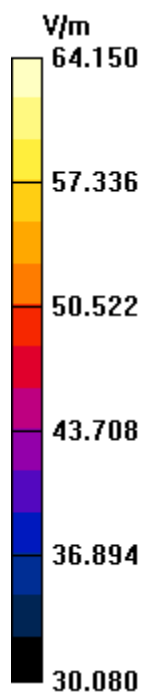
Hearing Aid Compatibility Test (41x181x1): Interpolated grid: dx=0.5000 mm, dy=0.5000 mm

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 57.60 V/m; Power Drift = 0.00 dB

E-field emissions = 64.15 V/m

Grid 1 M4 61.75 V/m	Grid 2 M3 64.15 V/m	Grid 3 M3 63.88 V/m
Grid 4 M4 55.26 V/m	Grid 5 M4 57.12 V/m	Grid 6 M4 57.09 V/m
Grid 7 M4 62.03 V/m	Grid 8 M3 64.15 V/m	Grid 9 M3 63.54 V/m



Date: 2023/11/20

System Check_E-Field_2600 MHz

DUT: HAC Dipole 2600 MHz; Type: CD2600V3; SN:1031

Communication System: UID 0, CW; Frequency: 2600 MHz; Duty Cycle: 1:1

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

Ambient Temperature : 22.7 °C

DASY5.2 Configuration:

- Area Scan setting - Find Secondary Maximum Within:2.0dB and with a peak SAR value greater than 0.5 W/Kg
- Probe: EF3DV3 - SN4087; ConvF(1, 1, 1) @ 2600 MHz; Calibrated: 2023/8/17
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn779; Calibrated: 2023/8/7
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

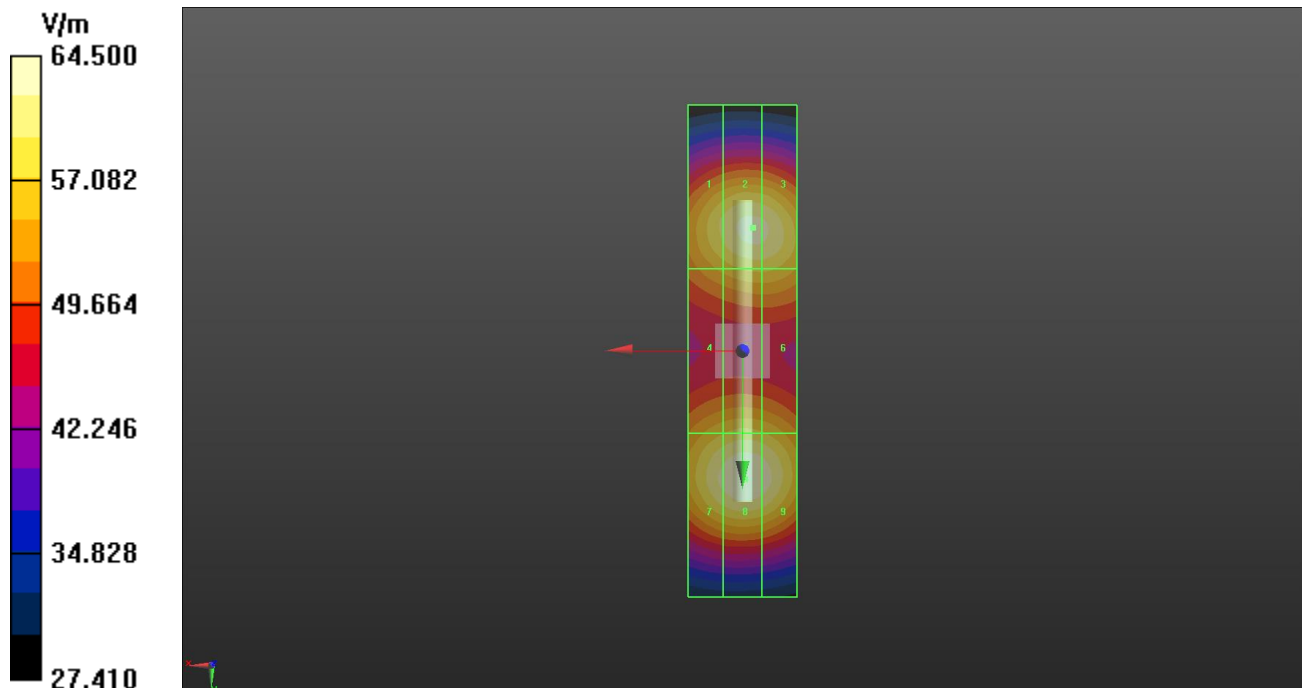
Hearing Aid Compatibility Test at 15mm distance (41x181x1): Interpolated grid: dx=0.5000 mm, dy=0.5000 mm

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 50.10 V/m; Power Drift = -0.01 dB

E-field emissions = 64.51 V/m

Grid 1 M4 60.30 V/m	Grid 2 M4 62.86 V/m	Grid 3 M4 62.65 V/m
Grid 4 M4 56.98 V/m	Grid 5 M4 58.13 V/m	Grid 6 M4 57.72 V/m
Grid 7 M4 62.81 V/m	Grid 8 M3 64.50 V/m	Grid 9 M3 63.57 V/m



Date: 2023/11/20

System Check_E-Field_3500 MHz**DUT: HAC Dipole 3500 MHz; Type: CD3500V3; SN:1021**

Communication System: UID 0, CW; Frequency: 3500 MHz; Duty Cycle: 1:1

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

Ambient Temperature : 22.5 °C

DASY5.2 Configuration:

- Area Scan setting - Find Secondary Maximum Within:2.0dB and with a peak SAR value greater than 0.5 W/Kg
- Probe: EF3DV3 - SN4087; ConvF(1, 1, 1) @ 3500 MHz; Calibrated: 2023/8/17
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn779; Calibrated: 2023/8/7
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

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 = 27.55 V/m; Power Drift = 0.01 dB

E-field emissions = 63.43 V/m

Grid 1 M4 61.36 V/m	Grid 2 M3 63.40 V/m	Grid 3 M3 63.17 V/m
Grid 4 M4 61.42 V/m	Grid 5 M3 63.43 V/m	Grid 6 M3 63.23 V/m
Grid 7 M4 61.04 V/m	Grid 8 M4 62.88 V/m	Grid 9 M4 62.31 V/m

