

HAC_E_Dipole_835

DUT: HAC-Dipole 835 MHz

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

Ambient Temperature : 23.3 °C;

DASY5 Configuration:

- Probe: EF3DV3 - SN4050; ConvF(1, 1, 1); Calibrated: 2022/1/31
- Electronics: DAE4 Sn1650; Calibrated: 2022/8/5
- 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)

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 = 91.74 V/m; Power Drift = 0.01 dB

PMR not calibrated. PMF = 1.000 is applied.

E-field emissions = 102.8 V/m

Average value of Total=(102.8+91.38)/2=97.09 V/m

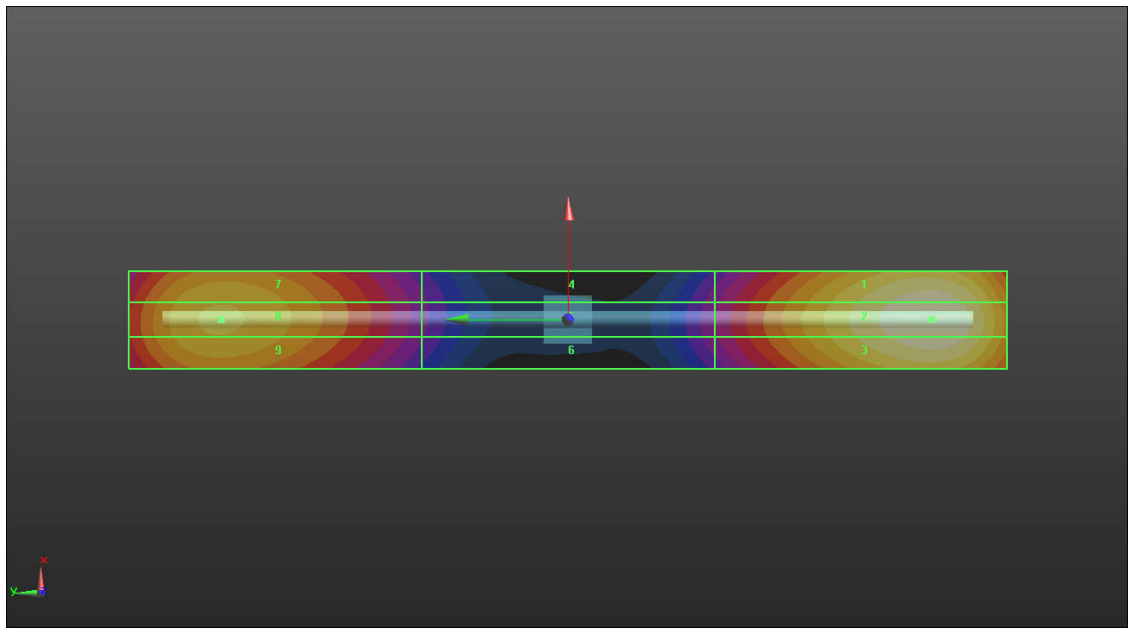
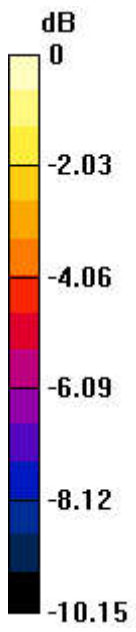
PMF scaled E-field

Grid 1 M4 100.3 V/m	Grid 2 M4 102.8 V/m	Grid 3 M4 99.19 V/m
Grid 4 M4 49.59 V/m	Grid 5 M4 50.59 V/m	Grid 6 M4 49.21 V/m
Grid 7 M4 90.06 V/m	Grid 8 M4 91.38 V/m	Grid 9 M4 89.48 V/m

Total = 102.8 V/m

E Category: M4

Location: 0, -74.5, 9.7 mm



0 dB = 102.8 V/m = 36.01 dBV/m

HAC_E_Dipole_1880

DUT: HAC Dipole 1880 MHz

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

Ambient Temperature : 23.3 °C;

DASY5 Configuration:

- Probe: EF3DV3 - SN4050; ConvF(1, 1, 1); Calibrated: 2022/1/31
- Electronics: DAE4 Sn1650; Calibrated: 2022/8/5
- 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)

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 = 128.4 V/m; Power Drift = 0.03 dB

PMR not calibrated. PMF = 1.000 is applied.

E-field emissions = 94.06 V/m

Average value of Total=(94.06+88.08)/2=91.07 V/m

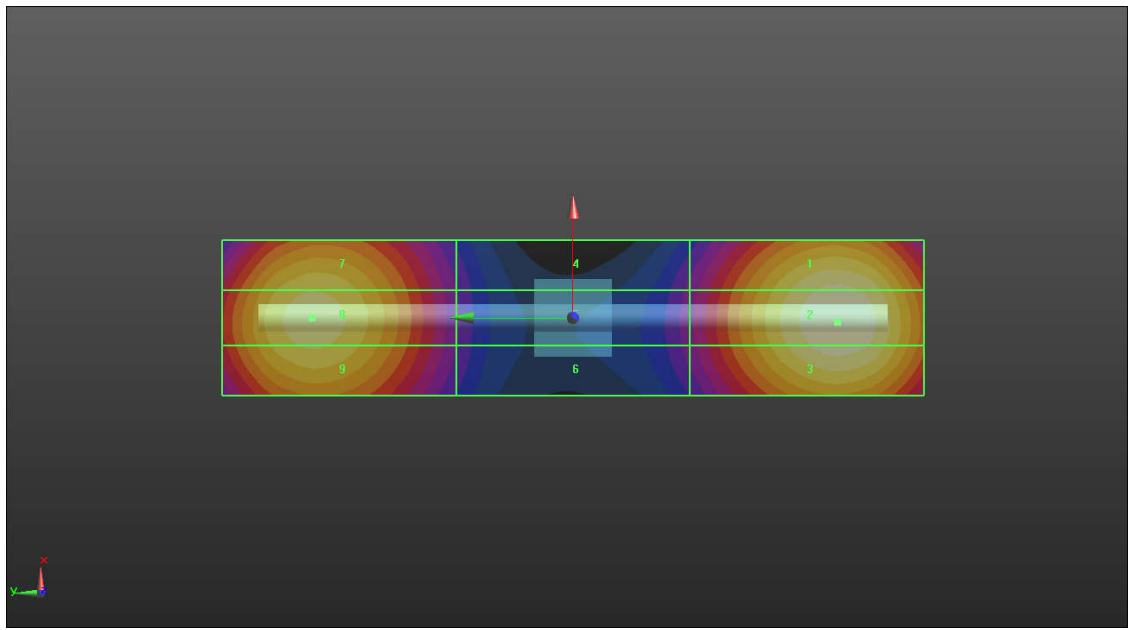
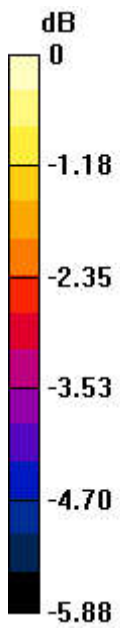
PMF scaled E-field

Grid 1 M3 92.16 V/m	Grid 2 M3 94.06 V/m	Grid 3 M3 92.34 V/m
Grid 4 M3 60.94 V/m	Grid 5 M3 61.19 V/m	Grid 6 M3 61.08 V/m
Grid 7 M3 86.16 V/m	Grid 8 M3 88.08 V/m	Grid 9 M3 87.12 V/m

Total = 94.06 V/m

E Category: M3

Location: -0.5, -34, 8.7 mm



0 dB = 94.06 V/m = 39.20 dBV/m

HAC_E_Dipole_2450

DUT: HAC Dipole 2450 MHz

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

Ambient Temperature : 23.5 °C;

DASY5 Configuration:

- Probe: EF3DV3 - SN4050; ConvF(1, 1, 1); Calibrated: 2022/1/31
- Electronics: DAE4 Sn1650; Calibrated: 2022/8/5
- 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)

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 = 71.45 V/m; Power Drift = 0.03 dB

PMR not calibrated. PMF = 1.000 is applied.

E-field emissions = 89.73 V/m

Average value of Total=(89.73+88.19)/2=88.96 V/m

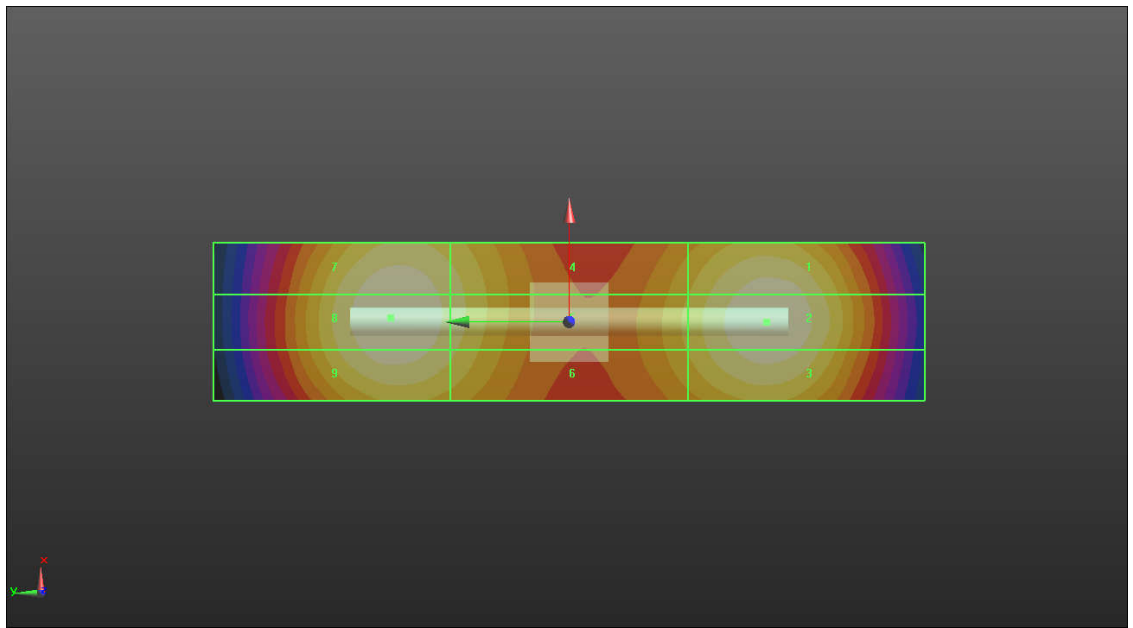
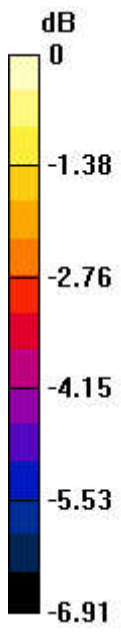
PMF scaled E-field

Grid 1 M3 87.19 V/m	Grid 2 M3 89.73 V/m	Grid 3 M3 88.15 V/m
Grid 4 M3 81.21 V/m	Grid 5 M3 82.52 V/m	Grid 6 M3 80.91 V/m
Grid 7 M3 87.47 V/m	Grid 8 M3 88.19 V/m	Grid 9 M3 88.17 V/m

Total = 89.73 V/m

E Category: M3

Location: 0.5, 22.5, 9.7 mm



0 dB = 89.73 V/m = 42.64 dBV/m

HAC_E_Dipole_2600

DUT: HAC Dipole 2600 MHz

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

Ambient Temperature : 23.3 °C;

DASY5 Configuration:

- Probe: EF3DV3 - SN4050; ConvF(1, 1, 1); Calibrated: 2022/1/31
- Electronics: DAE4 Sn1650; Calibrated: 2022/8/5
- 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)

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 = 77.54 V/m; Power Drift = 0.13 dB

PMR not calibrated. PMF = 1.000 is applied.

E-field emissions = 93.66 V/m

Average value of Total=(93.66+92.36)/2=93.01 V/m

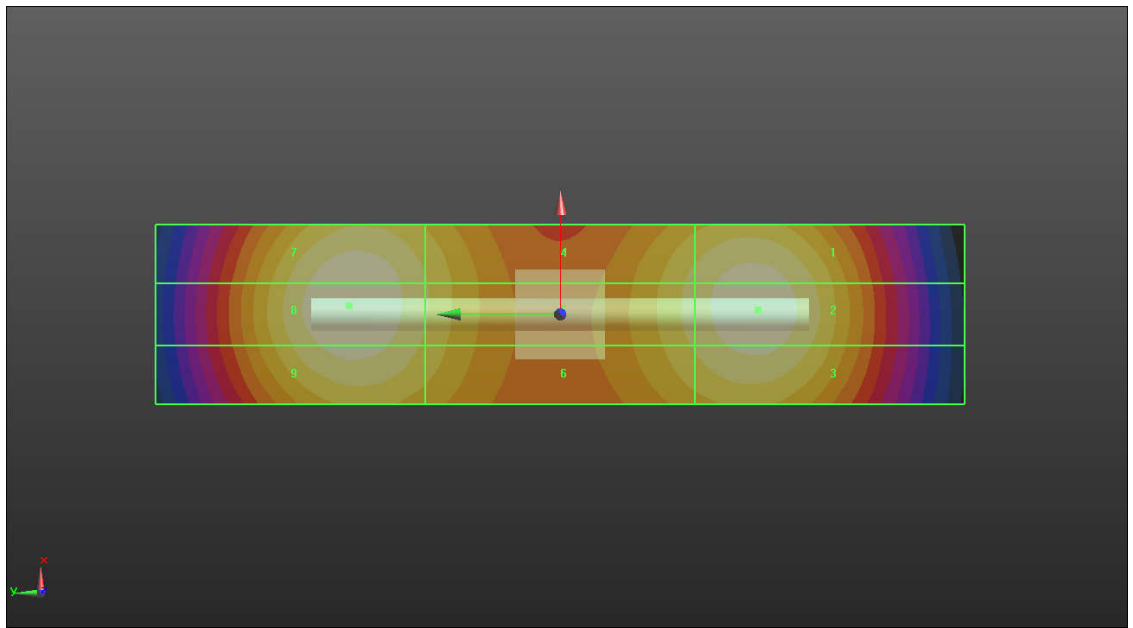
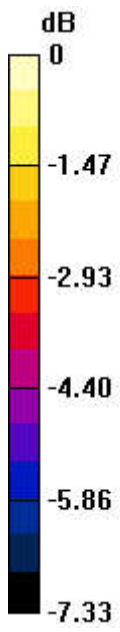
PMF scaled E-field

Grid 1 M3 92.27 V/m	Grid 2 M3 92.36 V/m	Grid 3 M3 92.18 V/m
Grid 4 M3 85.68 V/m	Grid 5 M3 85.13 V/m	Grid 6 M3 85.18 V/m
Grid 7 M3 92.83 V/m	Grid 8 M3 93.66 V/m	Grid 9 M3 92.37 V/m

Total = 93.66 V/m

E Category: M3

Location: 1, 23.5, 9.7 mm



0 dB = 93.66 V/m = 40.13 dBV/m

HAC_E_Dipole_3500

DUT: HAC Dipole 3500 MHz

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

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

Ambient Temperature : 23.3 °C

DASY5 Configuration:

- Probe: EF3DV3 - SN4050; ConvF(1, 1, 1); Calibrated: 2022/1/31
- Electronics: DAE4 Sn1650; Calibrated: 2022/8/5
- 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)

E Scan - measurement distance from the probe sensor center to CD3500 = 15mm/Hearing Aid Compatibility Test at 15mm distance (41x121x1): Interpolated grid:

dx=0.5000 mm, dy=0.5000 mm

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 38.38 V/m; Power Drift = 0.12 dB

PMR not calibrated. PMF = 1.000 is applied.

E-field emissions = 90.27 V/m

Average value of Total=(90.27+87.79)/2=89.03 V/m

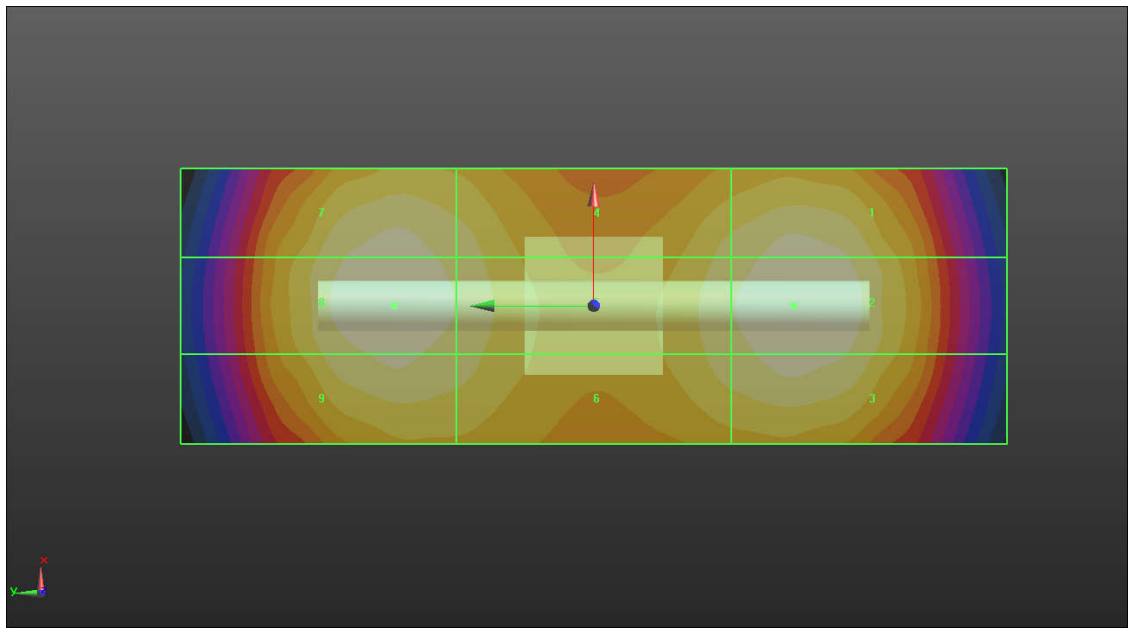
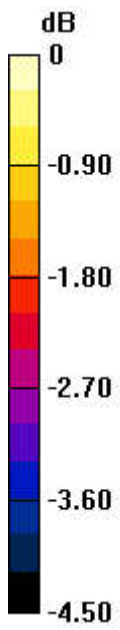
PMF scaled E-field

Grid 1 M3 89.06 V/m	Grid 2 M3 90.27 V/m	Grid 3 M3 89.37 V/m
Grid 4 M3 84.39 V/m	Grid 5 M3 86.34 V/m	Grid 6 M3 85.37 V/m
Grid 7 M3 85.25 V/m	Grid 8 M3 87.79 V/m	Grid 9 M3 87.36 V/m

Total = 90.27 V/m

E Category: M3

Location: 0, -14.5, 9.7 mm



0 dB = 90.27 V/m = 38.65 dBV/m

HAC_E_Dipole_1880

DUT: HAC Dipole 1880 MHz

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

Ambient Temperature : 23.3 °C;

DASY5 Configuration:

- Probe: EF3DV3 - SN4050; ConvF(1, 1, 1); Calibrated: 2022/1/31
- Electronics: DAE4 Sn1650; Calibrated: 2022/8/5
- 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)

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 = 121.6 V/m; Power Drift = 0.01 dB

PMR not calibrated. PMF = 1.000 is applied.

E-field emissions = 90.12 V/m

Average value of Total=(90.12+86.38)/2=88.25 V/m

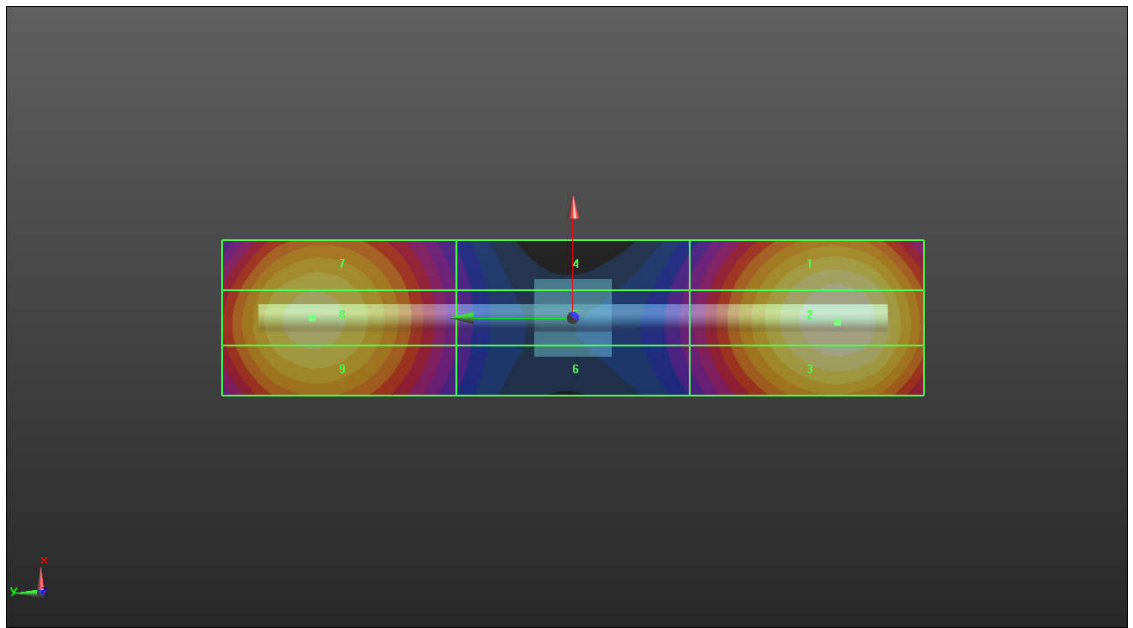
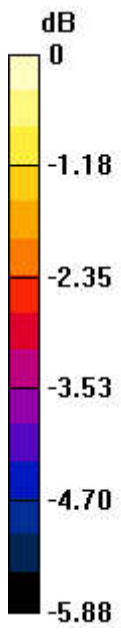
PMF scaled E-field

Grid 1 M3 89.27 V/m	Grid 2 M3 90.12 V/m	Grid 3 M3 89.79 V/m
Grid 4 M3 60.34 V/m	Grid 5 M3 61.64 V/m	Grid 6 M3 61.02 V/m
Grid 7 M3 85.27 V/m	Grid 8 M3 86.38 V/m	Grid 9 M3 85.49 V/m

Total = 90.12 V/m

E Category: M3

Location: -0.5, -34, 8.7 mm



0 dB = 90.12 V/m = 37.35 dBV/m

HAC_E_Dipole_2450

DUT: HAC Dipole 2450 MHz

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

Ambient Temperature : 23.5 °C;

DASY5 Configuration:

- Probe: EF3DV3 - SN4050; ConvF(1, 1, 1); Calibrated: 2022/1/31
- Electronics: DAE4 Sn1650; Calibrated: 2022/8/5
- 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)

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 = 72.36 V/m; Power Drift = 0.02 dB

PMR not calibrated. PMF = 1.000 is applied.

E-field emissions = 89.69 V/m

Average value of Total=(89.69+87.87)/2=88.78 V/m

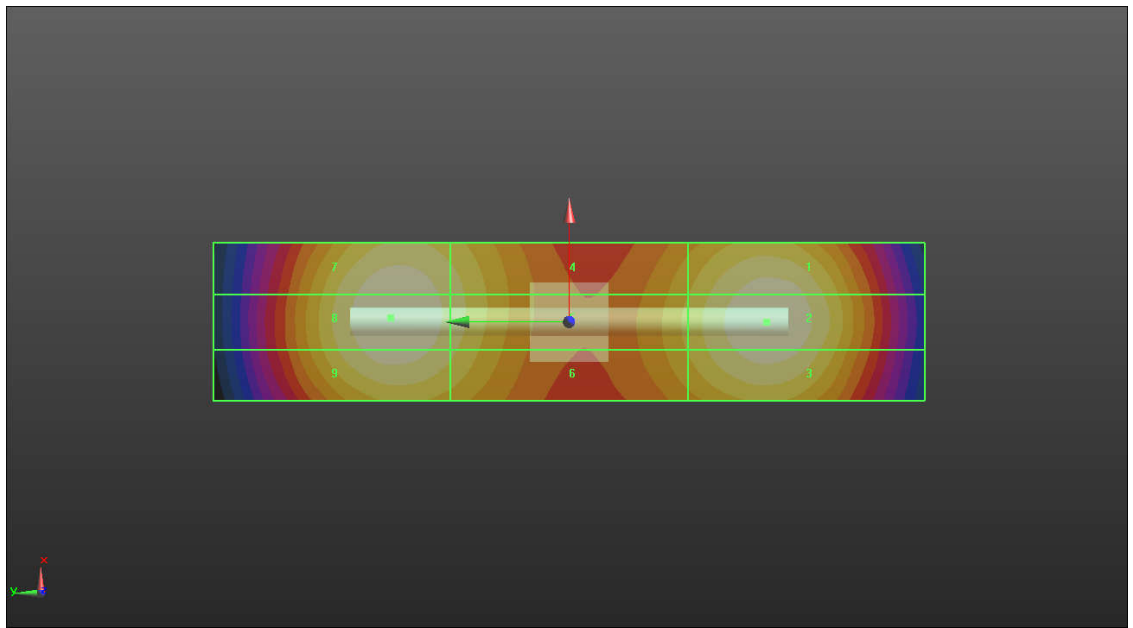
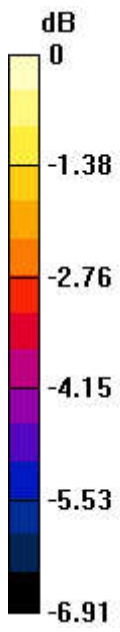
PMF scaled E-field

Grid 1 M3 87.31 V/m	Grid 2 M3 89.69 V/m	Grid 3 M3 87.82 V/m
Grid 4 M3 80.09 V/m	Grid 5 M3 82.43 V/m	Grid 6 M3 80.44 V/m
Grid 7 M3 87.49 V/m	Grid 8 M3 87.87 V/m	Grid 9 M3 87.61 V/m

Total = 89.69 V/m

E Category: M3

Location: 0.5, 22.5, 9.7 mm



0 dB = 89.69 V/m = 42.43 dBV/m

HAC_E_Dipole_2600

DUT: HAC Dipole 2600 MHz

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

Ambient Temperature : 23.3 °C;

DASY5 Configuration:

- Probe: EF3DV3 - SN4050; ConvF(1, 1, 1); Calibrated: 2022/1/31

- Electronics: DAE4 Sn1650; Calibrated: 2022/8/5

- 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)

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 = 77.54 V/m; Power Drift = 0.03 dB

PMR not calibrated. PMF = 1.000 is applied.

E-field emissions = 95.47 V/m

Average value of Total=(95.47+93.45)/2=94.46 V/m

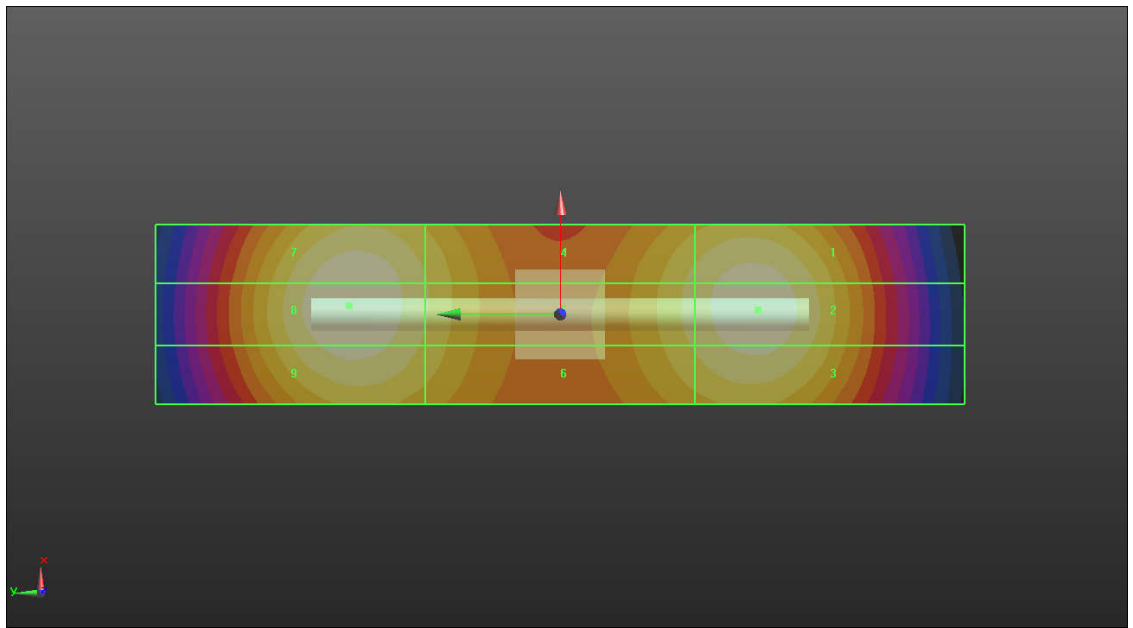
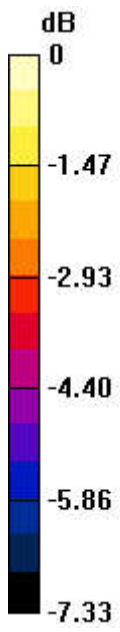
PMF scaled E-field

Grid 1 M3 93.39 V/m	Grid 2 M3 93.45 V/m	Grid 3 M3 92.37 V/m
Grid 4 M3 86.16 V/m	Grid 5 M3 85.83 V/m	Grid 6 M3 85.97 V/m
Grid 7 M3 93.34 V/m	Grid 8 M3 95.47 V/m	Grid 9 M3 92.94 V/m

Total = 95.47 V/m

E Category: M3

Location: 1, 23.5, 9.7 mm



0 dB = 95.47 V/m = 41.06 dBV/m

HAC_E_Dipole_3500

DUT: HAC Dipole 3500 MHz

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

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

Ambient Temperature : 23.3 °C

DASY5 Configuration:

- Probe: EF3DV3 - SN4050; ConvF(1, 1, 1); Calibrated: 2022/1/31
- Electronics: DAE4 Sn1650; Calibrated: 2022/8/5
- 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)

E Scan - measurement distance from the probe sensor center to CD3500 = 15mm/Hearing Aid Compatibility Test at 15mm distance (41x121x1): Interpolated grid:

dx=0.5000 mm, dy=0.5000 mm

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 38.95 V/m; Power Drift = 0.01 dB

PMR not calibrated. PMF = 1.000 is applied.

E-field emissions = 91.51 V/m

Average value of Total=(91.51+87.95)/2=89.73 V/m

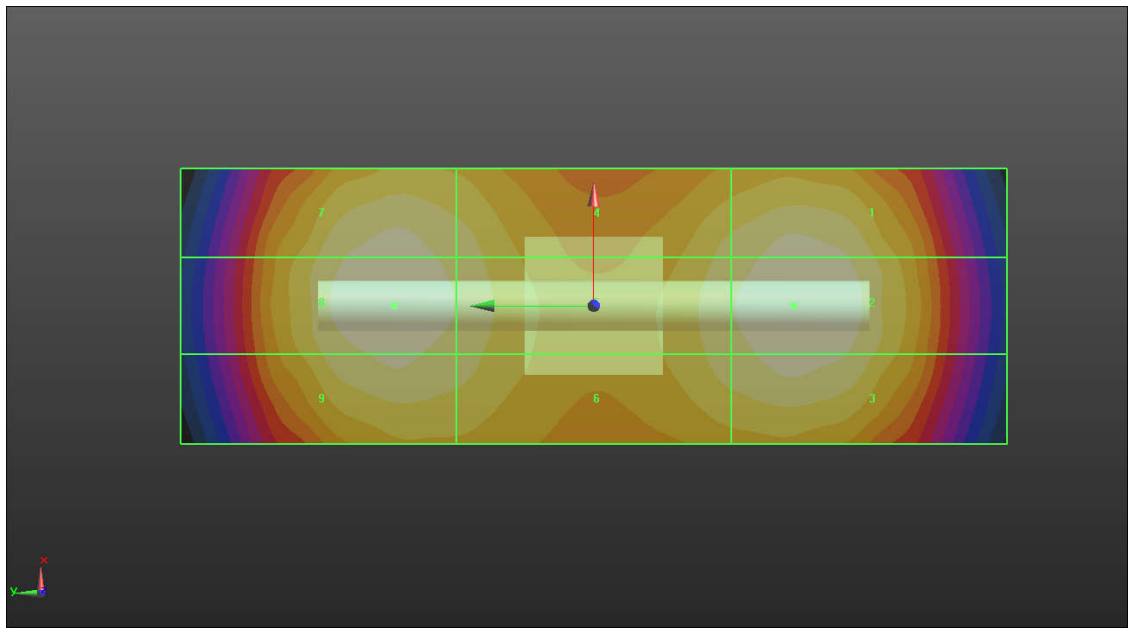
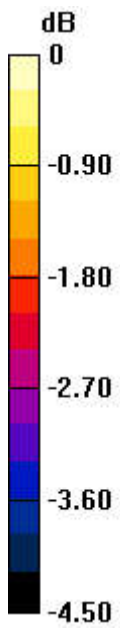
PMF scaled E-field

Grid 1 M3 89.77 V/m	Grid 2 M3 91.51 V/m	Grid 3 M3 89.62 V/m
Grid 4 M3 85.07 V/m	Grid 5 M3 86.94 V/m	Grid 6 M3 85.66 V/m
Grid 7 M3 84.97 V/m	Grid 8 M3 87.95 V/m	Grid 9 M3 86.65 V/m

Total = 91.51 V/m

E Category: M3

Location: 0, -14.5, 9.7 mm



0 dB = 91.51 V/m = 38.93 dBV/m