

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 = 89.86 V/m; Power Drift = 0.07 dB

PMR not calibrated. PMF = 1.000 is applied.

E-field emissions = 102.7 V/m

Average value of Total=(102.7+91.52)/2=97.11 V/m

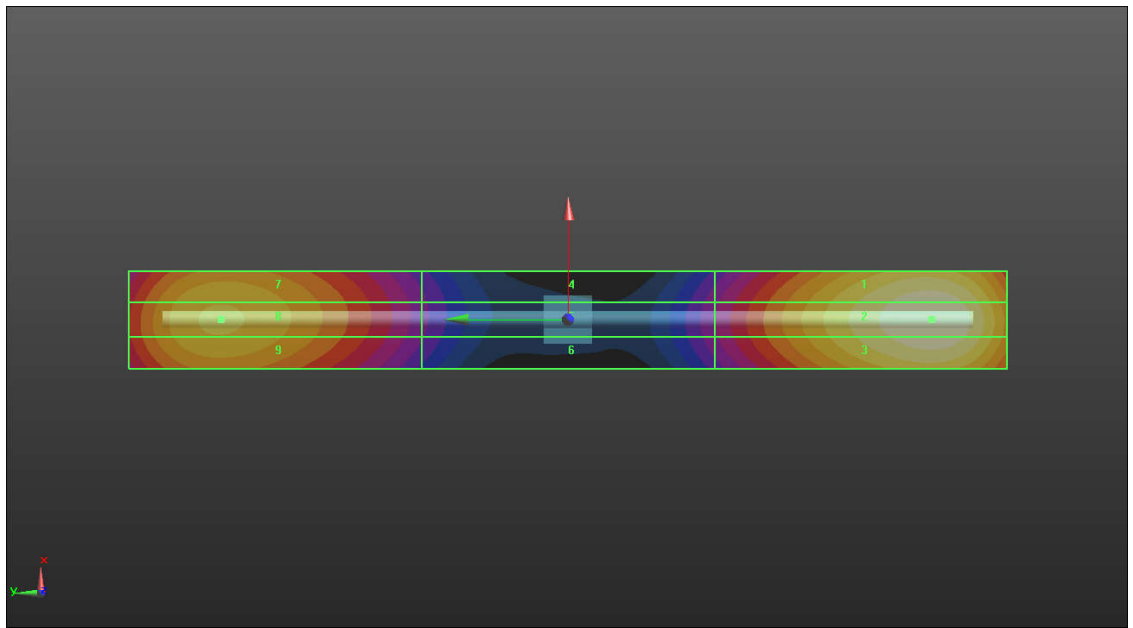
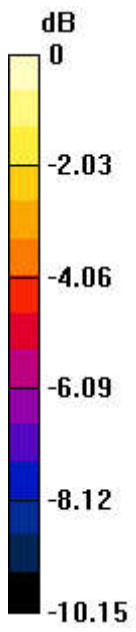
PMF scaled E-field

Grid 1 M4 98.24 V/m	Grid 2 M4 102.7 V/m	Grid 3 M4 97.16 V/m
Grid 4 M4 48.57 V/m	Grid 5 M4 49.55 V/m	Grid 6 M4 48.23 V/m
Grid 7 M4 88.21 V/m	Grid 8 M4 91.52 V/m	Grid 9 M4 87.65 V/m

Total = 102.7 V/m

E Category: M4

Location: 0, -74.5, 9.7 mm



0 dB = 102.7 V/m = 35.27 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: $\sigma = 0 \text{ S/m}$, $\epsilon_r = 1$; $\rho = 0 \text{ kg/m}^3$

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:

$dx=0.5000 \text{ mm}$, $dy=0.5000 \text{ mm}$

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 130.3 V/m; Power Drift = 0.02 dB

PMR not calibrated. PMF = 1.000 is applied.

E-field emissions = 95.54 V/m

Average value of Total= $(95.54+89.44)/2=92.49 \text{ V/m}$

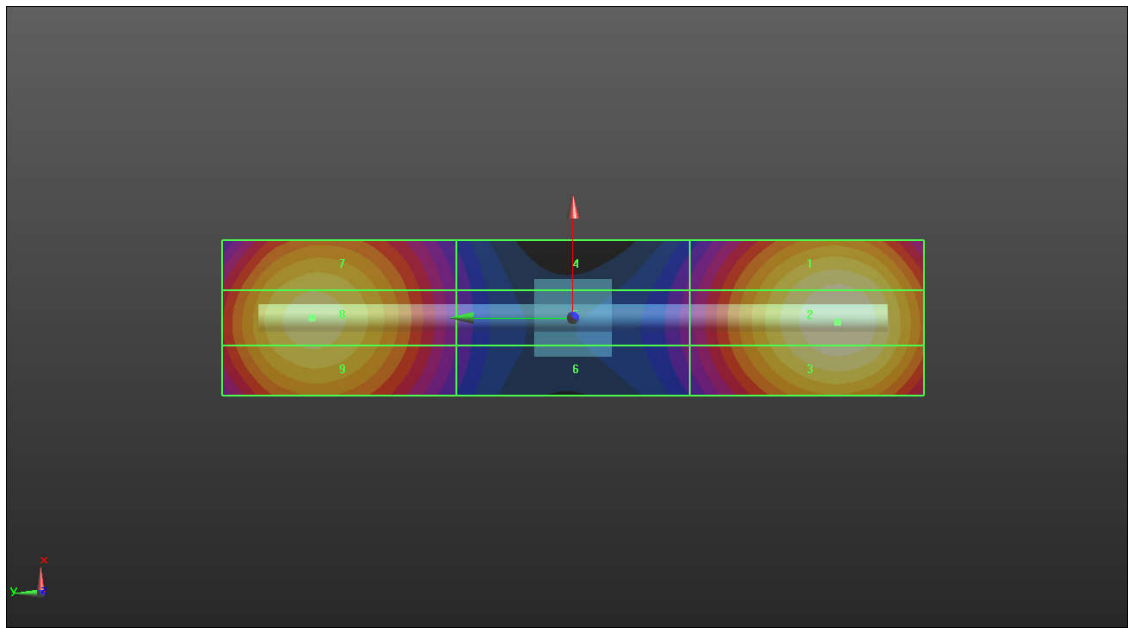
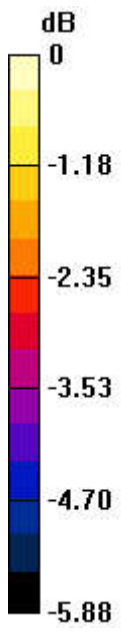
PMF scaled E-field

Grid 1 M3 93.62 V/m	Grid 2 M3 95.54 V/m	Grid 3 M3 93.79 V/m
Grid 4 M3 61.93 V/m	Grid 5 M3 62.15 V/m	Grid 6 M3 62.04 V/m
Grid 7 M3 87.51 V/m	Grid 8 M3 89.44 V/m	Grid 9 M3 88.49 V/m

Total = 95.54 V/m

E Category: M3

Location: -0.5, -34, 8.7 mm



0 dB = 95.54 V/m = 39.81 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 : 23.3 °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 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 = 72.57 V/m; Power Drift = 0.08 dB

PMR not calibrated. PMF = 1.000 is applied.

E-field emissions = 91.14 V/m

Average value of Total=(91.14+89.56)/2=90.35 V/m

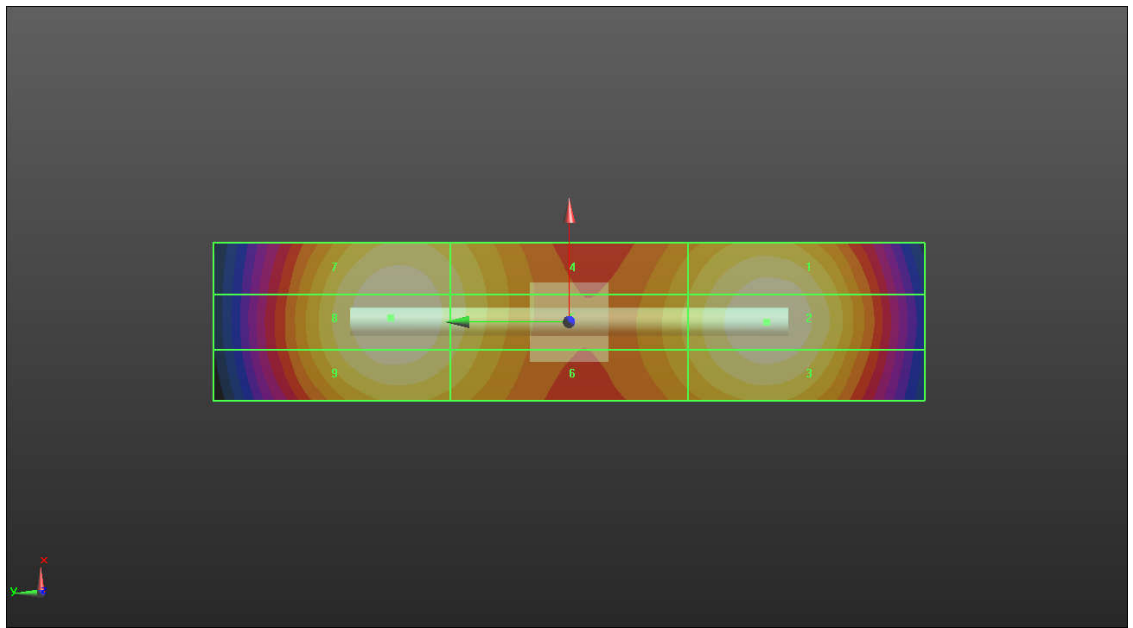
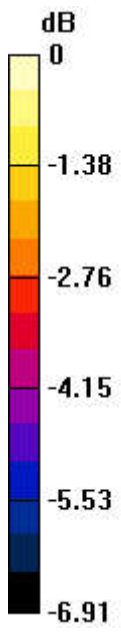
PMF scaled E-field

Grid 1 M3 88.55 V/m	Grid 2 M3 91.14 V/m	Grid 3 M3 89.53 V/m
Grid 4 M3 82.48 V/m	Grid 5 M3 83.81 V/m	Grid 6 M3 82.18 V/m
Grid 7 M3 88.84 V/m	Grid 8 M3 89.56 V/m	Grid 9 M3 89.55 V/m

Total = 91.14 V/m

E Category: M3

Location: 0.5, 22.5, 9.7 mm



0 dB = 91.14 V/m = 43.31 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 = 78.76 V/m; Power Drift = 0.03 dB

PMR not calibrated. PMF = 1.000 is applied.

E-field emissions = 94.82 V/m

Average value of Total=(94.82+91.68)/2=93.25 V/m

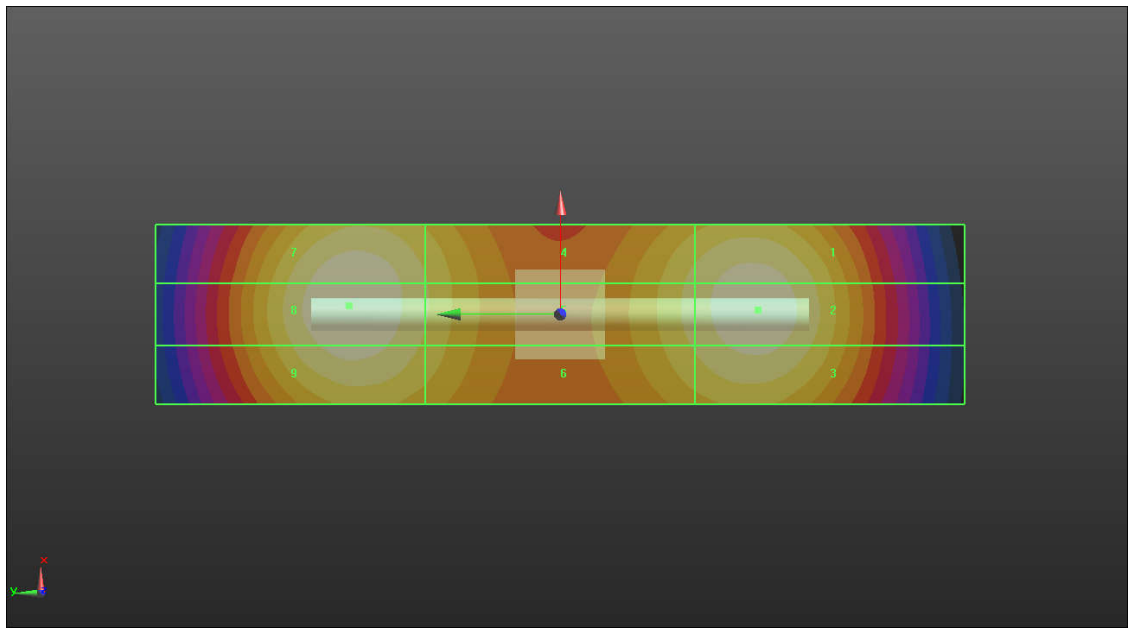
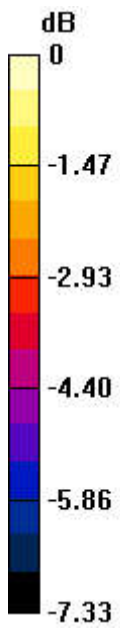
PMF scaled E-field

Grid 1 M3 93.72 V/m	Grid 2 M3 94.82 V/m	Grid 3 M3 93.62 V/m
Grid 4 M3 87.02 V/m	Grid 5 M3 86.46 V/m	Grid 6 M3 86.51 V/m
Grid 7 M3 90.52 V/m	Grid 8 M3 91.68 V/m	Grid 9 M3 89.94 V/m

Total = 94.82 V/m

E Category: M3

Location: 1, 23.5, 9.7 mm



0 dB = 94.82 V/m = 40.76 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 = 37.51 V/m; Power Drift = 0.08 dB

PMR not calibrated. PMF = 1.000 is applied.

E-field emissions = 88.21 V/m

Average value of Total=(88.21+85.31)/2=86.76 V/m

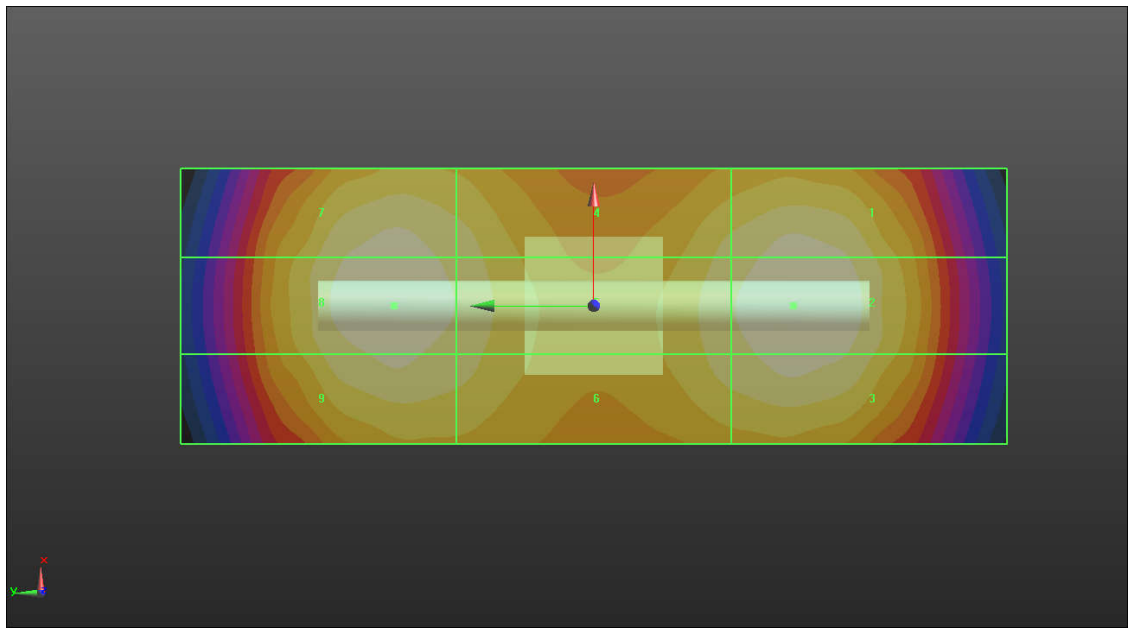
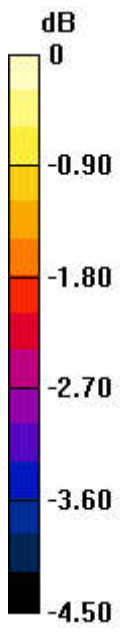
PMF scaled E-field

Grid 1 M3 87.03 V/m	Grid 2 M3 88.21 V/m	Grid 3 M3 87.33 V/m
Grid 4 M3 82.46 V/m	Grid 5 M3 84.37 V/m	Grid 6 M3 83.43 V/m
Grid 7 M3 83.31 V/m	Grid 8 M3 85.31 V/m	Grid 9 M3 85.37 V/m

Total = 88.21 V/m

E Category: M3

Location: 0, -14.5, 9.7 mm



0 dB = 88.21 V/m = 37.77 dBV/m

HAC_E_Dipole_5500

DUT: HAC Dipole 5500 MHz

Communication System: UID 0, CW (0); Frequency: 5500 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 CD5500 = 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 = 28.34 V/m; Power Drift = 0.02 dB

PMR not calibrated. PMF = 1.000 is applied.

E-field emissions = 105.2 V/m

Average value of Total=(101.2+103.4)/2=102.3 V/m

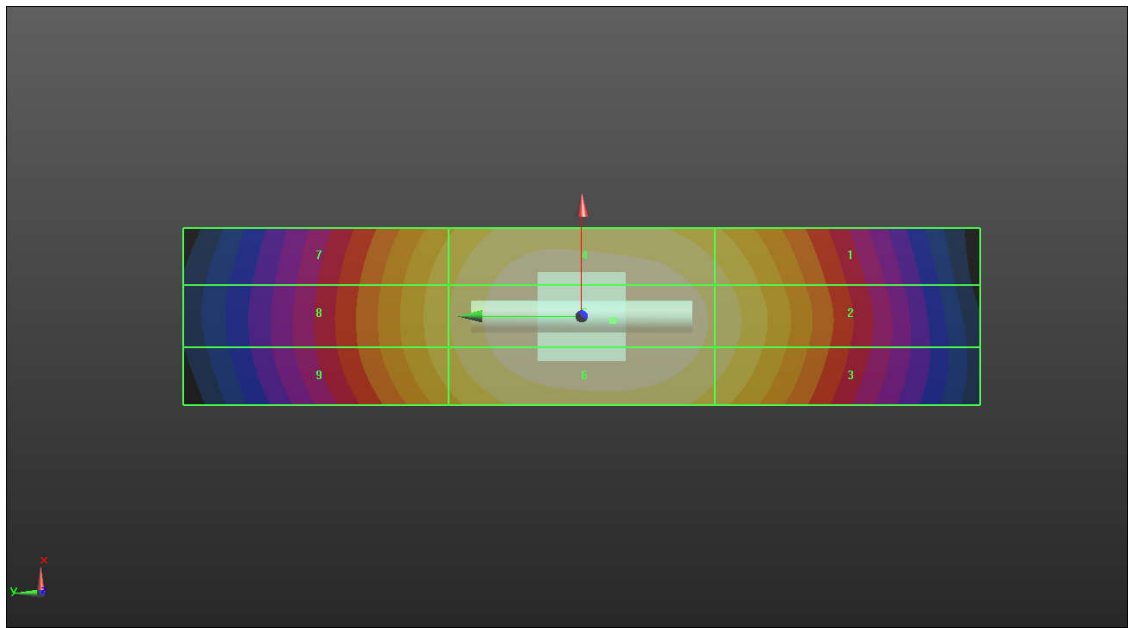
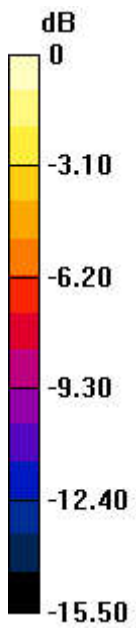
PMF scaled E-field

Grid 1 M3 88.05 V/m	Grid 2 M3 91.65 V/m	Grid 3 M3 89.87 V/m
Grid 4 M3 101.2 V/m	Grid 5 M3 105.2 V/m	Grid 6 M3 103.4 V/m
Grid 7 M3 81.15 V/m	Grid 8 M3 88.65 V/m	Grid 9 M3 81.27 V/m

Total = 105.2 V/m

E Category: M3

Location: -0.5, -3.5, 8.7 mm



0 dB = 105.2 V/m = 40.44 dBV/m