

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 (7483)

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 = 101.3 V/m; Power Drift = -0.05 dB

PMR not calibrated. PMF = 1.000 is applied.

E-field emissions = 113.4 V/m

Average value of Total=(113.4+92.02)/2=102.71 V/m

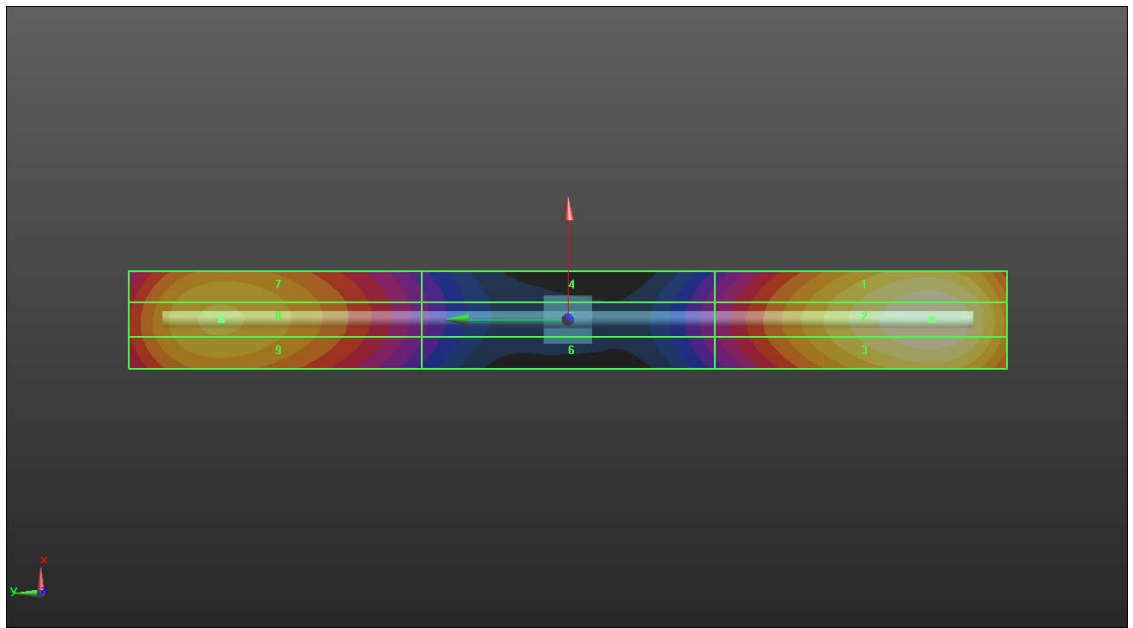
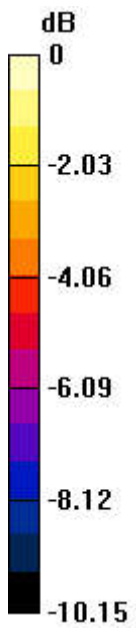
PMF scaled E-field

Grid 1 M4 111.5 V/m	Grid 2 M4 113.4 V/m	Grid 3 M4 111.4 V/m
Grid 4 M4 54.10 V/m	Grid 5 M4 55.38 V/m	Grid 6 M4 54.30 V/m
Grid 7 M4 90.77 V/m	Grid 8 M4 92.02 V/m	Grid 9 M4 91.13 V/m

Total = 113.4 V/m

E Category: M4

Location: 0, -74.5, 9.7 mm



0 dB = 113.4 V/m = 39.75 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 (7483)

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 = 135.1 V/m; Power Drift = 0.01 dB

PMR not calibrated. PMF = 1.000 is applied.

E-field emissions = 91.28 V/m

Average value of Total=(91.28+88.76)/2=90.02 V/m

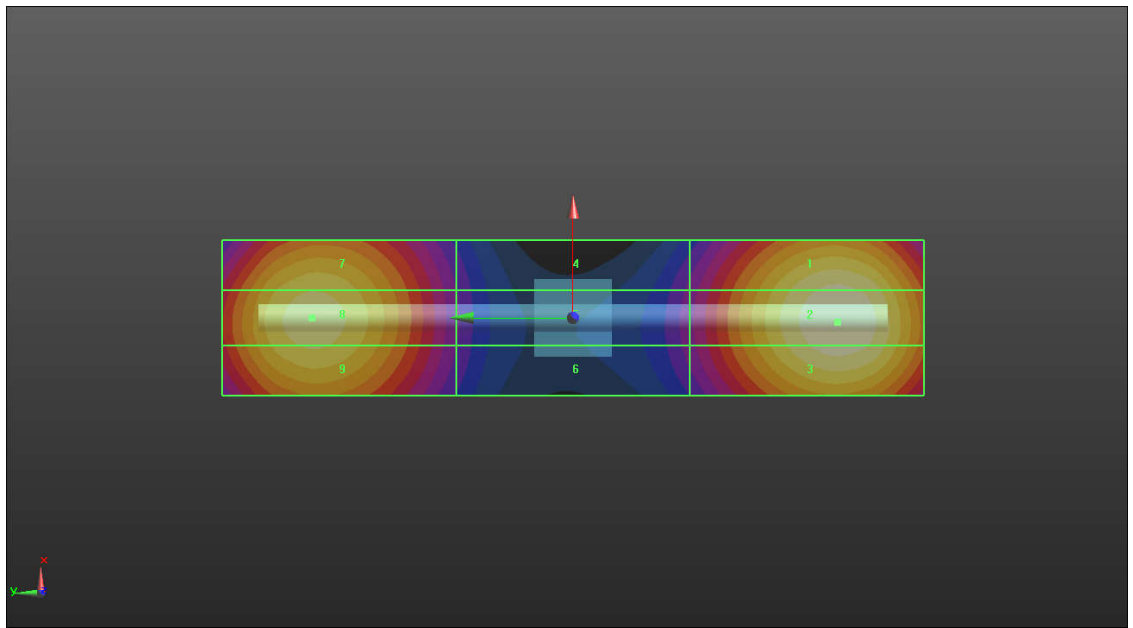
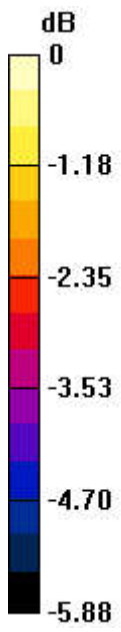
PMF scaled E-field

Grid 1 M3 90.33 V/m	Grid 2 M3 91.28 V/m	Grid 3 M3 90.84 V/m
Grid 4 M3 58.15 V/m	Grid 5 M3 60.08 V/m	Grid 6 M3 59.58 V/m
Grid 7 M3 84.47 V/m	Grid 8 M3 88.76 V/m	Grid 9 M3 85.36 V/m

Total = 91.28 V/m

E Category: M3

Location: -0.5, -34, 8.7 mm



0 dB = 91.28 V/m = 38.02 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 (7483)

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 = 65.82 V/m; Power Drift = -0.07 dB

PMR not calibrated. PMF = 1.000 is applied.

E-field emissions = 82.77 V/m

Average value of Total=(82.77+81.65)/2=82.21 V/m

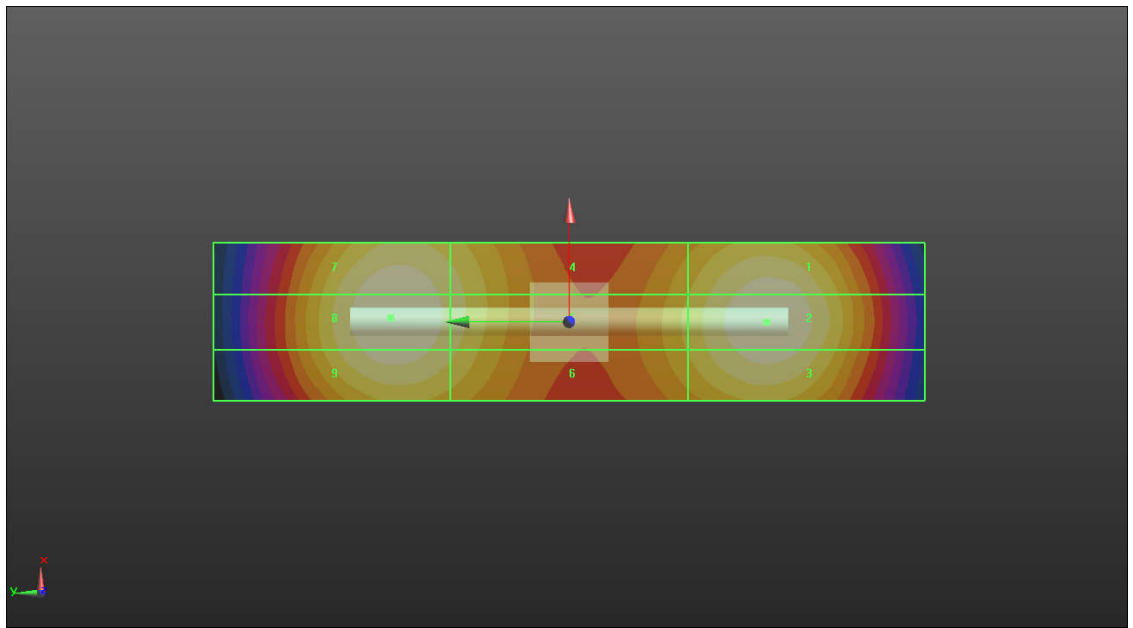
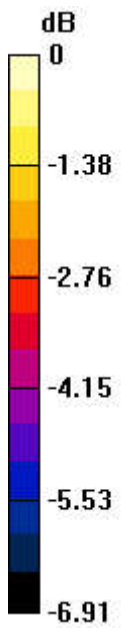
PMF scaled E-field

Grid 1 M3 82.32 V/m	Grid 2 M3 82.77 V/m	Grid 3 M3 81.33 V/m
Grid 4 M3 74.91 V/m	Grid 5 M3 76.14 V/m	Grid 6 M3 74.65 V/m
Grid 7 M3 80.69 V/m	Grid 8 M3 81.65 V/m	Grid 9 M3 81.34 V/m

Total = 82.77 V/m

E Category: M3

Location: 0.5, 22.5, 9.7 mm



0 dB = 82.77 V/m = 39.33 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 (7483)

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 = 70.71 V/m; Power Drift = 0.12 dB

PMR not calibrated. PMF = 1.000 is applied.

E-field emissions = 85.41 V/m

Average value of Total=(84.23+85.41)/2=84.82 V/m

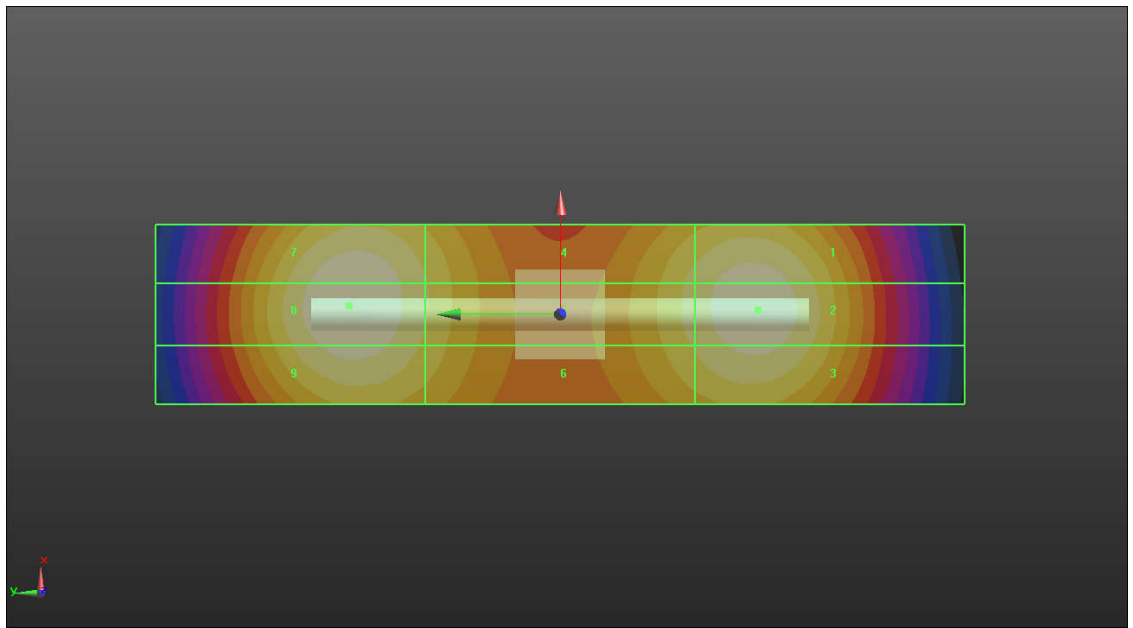
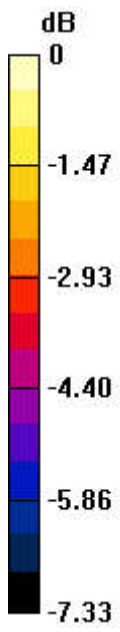
PMF scaled E-field

Grid 1 M3 84.15 V/m	Grid 2 M3 84.23 V/m	Grid 3 M3 84.07 V/m
Grid 4 M3 78.15 V/m	Grid 5 M3 79.45 V/m	Grid 6 M3 77.69 V/m
Grid 7 M3 84.66 V/m	Grid 8 M3 85.41 V/m	Grid 9 M3 84.24 V/m

Total = 85.41 V/m

E Category: M3

Location: 1, 23.5, 9.7 mm



0 dB = 85.41 V/m = 36.77 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 (7483)

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 = 37.68 V/m; Power Drift = -0.01 dB

PMR not calibrated. PMF = 1.000 is applied.

E-field emissions = 88.63 V/m

Average value of Total=(88.63+86.19)/2=87.41 V/m

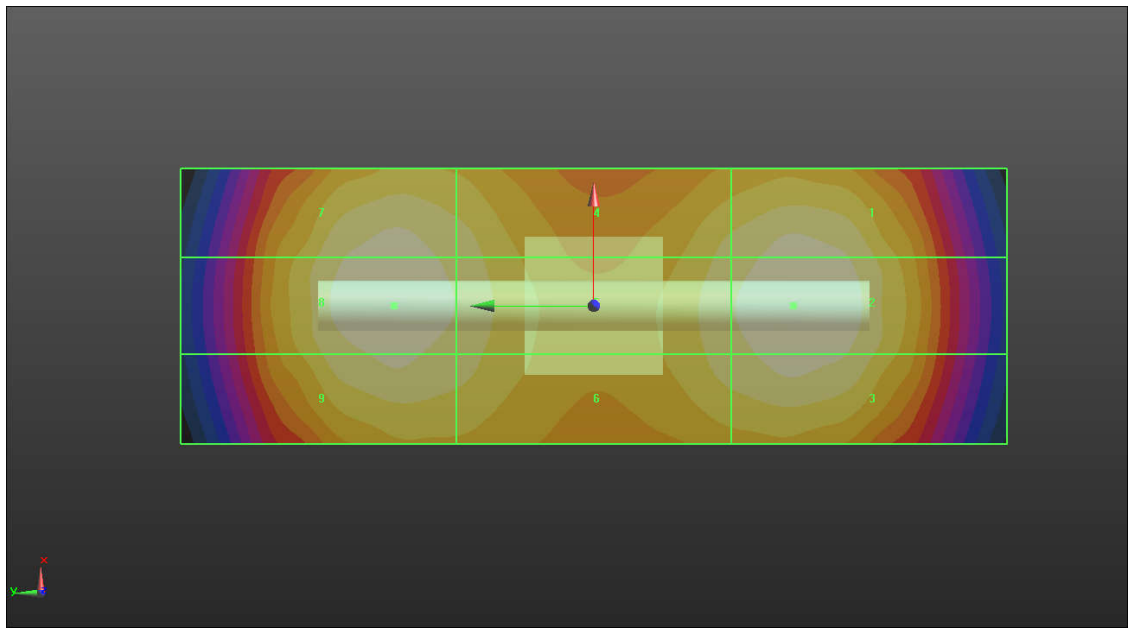
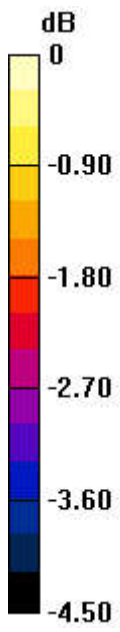
PMF scaled E-field

Grid 1 M3 85.44 V/m	Grid 2 M3 88.63 V/m	Grid 3 M3 87.32 V/m
Grid 4 M3 82.85 V/m	Grid 5 M3 84.75 V/m	Grid 6 M3 83.81 V/m
Grid 7 M3 83.69 V/m	Grid 8 M3 86.19 V/m	Grid 9 M3 85.76 V/m

Total = 88.63 V/m

E Category: M3

Location: 0, -14.5, 9.7 mm



0 dB = 88.63 V/m = 37.95 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 (7483)

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 = 30.15 V/m; Power Drift = 0.03 dB

PMR not calibrated. PMF = 1.000 is applied.

E-field emissions = 107.2 V/m

Average value of Total=(102.3+105.5)/2=103.9 V/m

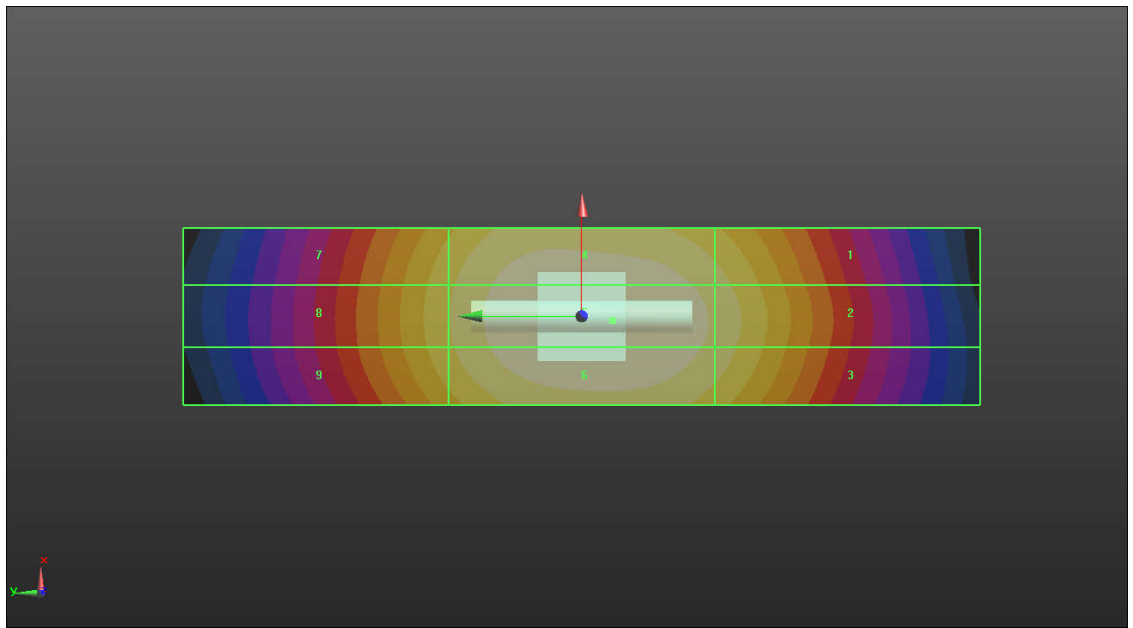
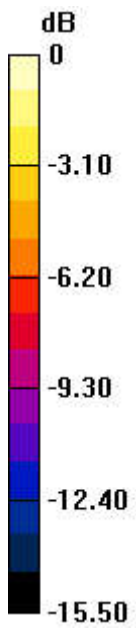
PMF scaled E-field

Grid 1 M3 89.14 V/m	Grid 2 M3 92.13 V/m	Grid 3 M3 90.11 V/m
Grid 4 M3 102.3 V/m	Grid 5 M3 107.2 V/m	Grid 6 M3 105.5 V/m
Grid 7 M3 84.49 V/m	Grid 8 M3 89.65 V/m	Grid 9 M3 82.81 V/m

Total = 107.2 V/m

E Category: M3

Location: -0.5, -3.5, 8.7 mm



0 dB = 107.2 V/m = 41.91 dBV/m