

**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/m<sup>3</sup>

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 = 94.96 V/m; Power Drift = 0.12 dB

PMR not calibrated. PMF = 1.000 is applied.

E-field emissions = 103.8 V/m

Average value of Total=(103.8+94.58)/2=99.19 V/m

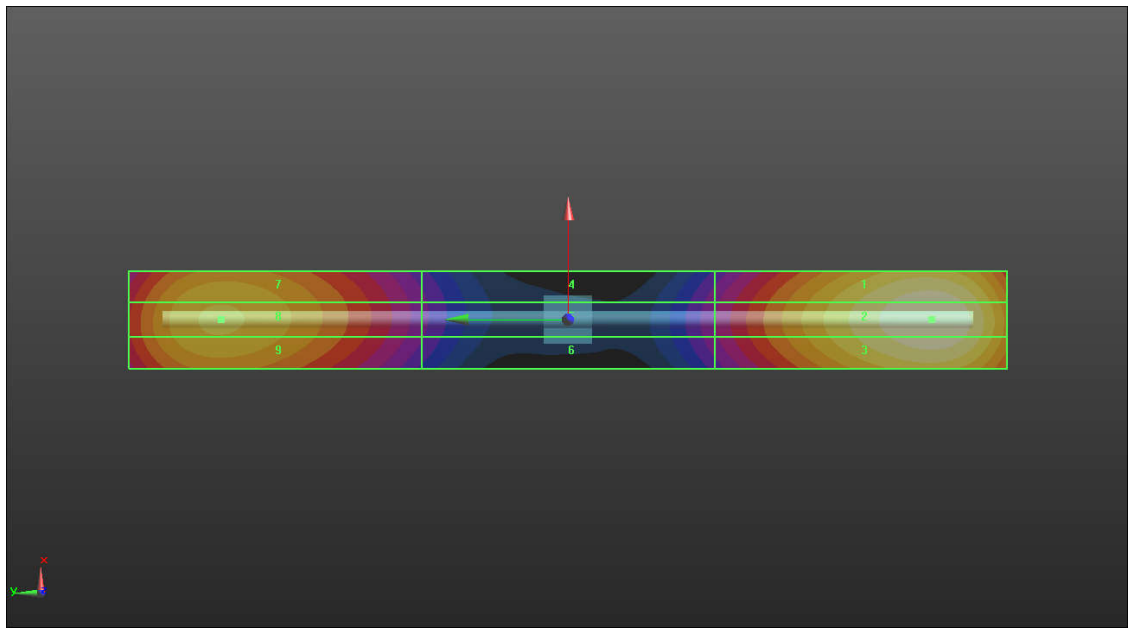
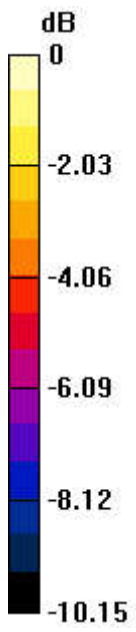
PMF scaled E-field

<b>Grid 1 M4</b> <b>101.5 V/m</b>	<b>Grid 2 M4</b> <b>103.8 V/m</b>	<b>Grid 3 M4</b> <b>102.7 V/m</b>
<b>Grid 4 M4</b> <b>51.33 V/m</b>	<b>Grid 5 M4</b> <b>52.37 V/m</b>	<b>Grid 6 M4</b> <b>50.94 V/m</b>
<b>Grid 7 M4</b> <b>93.23 V/m</b>	<b>Grid 8 M4</b> <b>94.58 V/m</b>	<b>Grid 9 M4</b> <b>89.48 V/m</b>

Total = 103.8 V/m

E Category: M4

Location: 0, -74.5, 9.7 mm



0 dB = 103.8 V/m = 37.28 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 = 132.9 V/m; Power Drift = 0.05 dB

PMR not calibrated. PMF = 1.000 is applied.

E-field emissions = 97.36 V/m

Average value of Total= $(97.36+91.18)/2=94.27 \text{ V/m}$

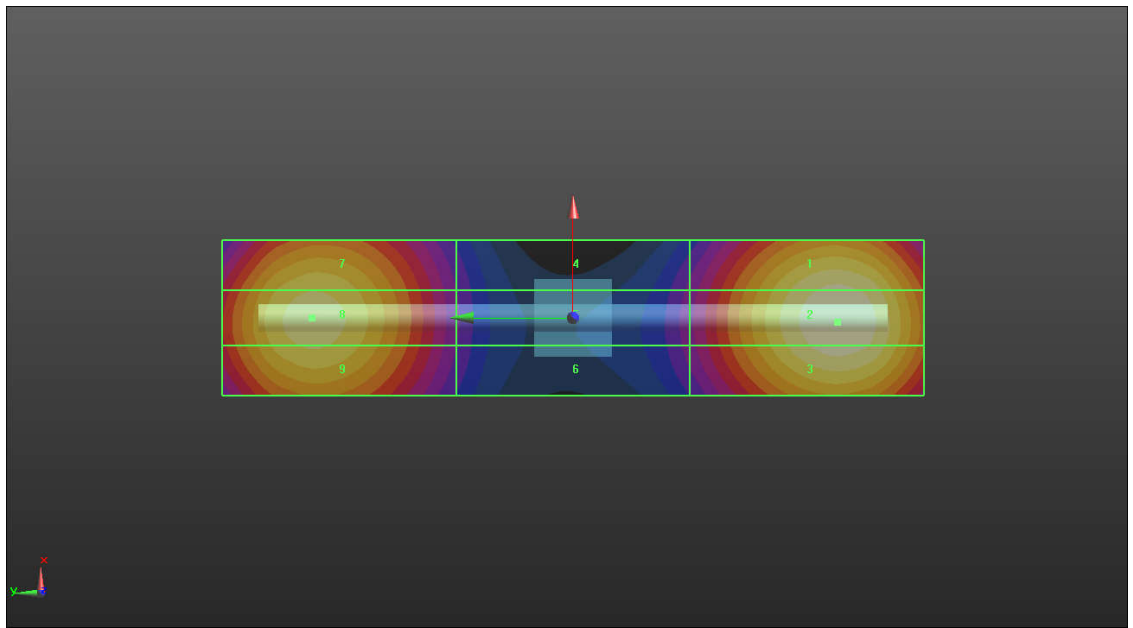
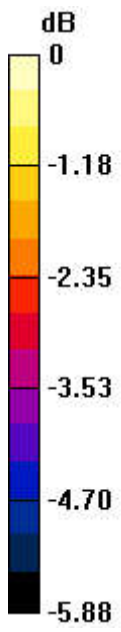
PMF scaled E-field

<b>Grid 1 M3</b> <b>95.40 V/m</b>	<b>Grid 2 M3</b> <b>97.36 V/m</b>	<b>Grid 3 M3</b> <b>95.59 V/m</b>
<b>Grid 4 M3</b> <b>63.08 V/m</b>	<b>Grid 5 M3</b> <b>63.34 V/m</b>	<b>Grid 6 M3</b> <b>63.23 V/m</b>
<b>Grid 7 M3</b> <b>89.19 V/m</b>	<b>Grid 8 M3</b> <b>91.18 V/m</b>	<b>Grid 9 M3</b> <b>90.18 V/m</b>

Total = 97.36 V/m

E Category: M3

Location: -0.5, -34, 8.7 mm



0 dB = 97.36 V/m = 40.58 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/m<sup>3</sup>

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 = 74.13 V/m; Power Drift = 0.06 dB

PMR not calibrated. PMF = 1.000 is applied.

E-field emissions = 93.13 V/m

Average value of Total=(93.13+91.51)/2=92.32 V/m

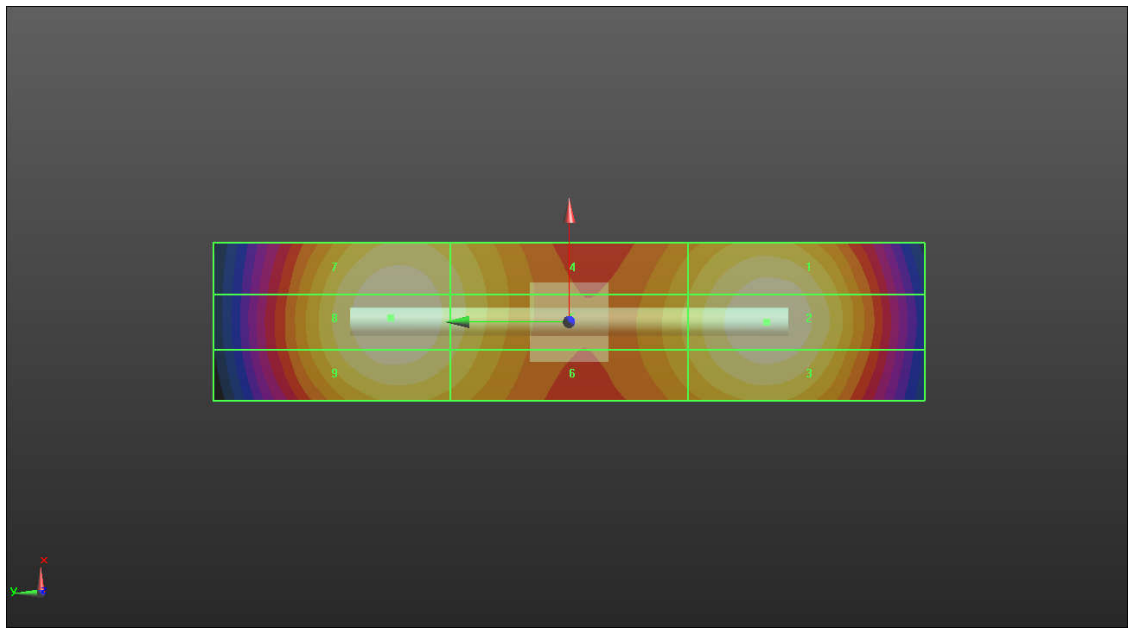
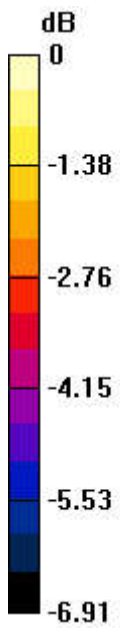
PMF scaled E-field

<b>Grid 1 M3</b> <b>90.46 V/m</b>	<b>Grid 2 M3</b> <b>93.13 V/m</b>	<b>Grid 3 M3</b> <b>91.46 V/m</b>
<b>Grid 4 M3</b> <b>84.26 V/m</b>	<b>Grid 5 M3</b> <b>85.62 V/m</b>	<b>Grid 6 M3</b> <b>83.95 V/m</b>
<b>Grid 7 M3</b> <b>90.75 V/m</b>	<b>Grid 8 M3</b> <b>91.51 V/m</b>	<b>Grid 9 M3</b> <b>91.48 V/m</b>

Total = 93.13 V/m

E Category: M3

Location: 0.5, 22.5, 9.7 mm



0 dB = 93.13 V/m = 44.24 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/m<sup>3</sup>

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 = 79.35 V/m; Power Drift = 0.04 dB

PMR not calibrated. PMF = 1.000 is applied.

E-field emissions = 95.87 V/m

Average value of Total=(95.87+94.51)/2=95.19 V/m

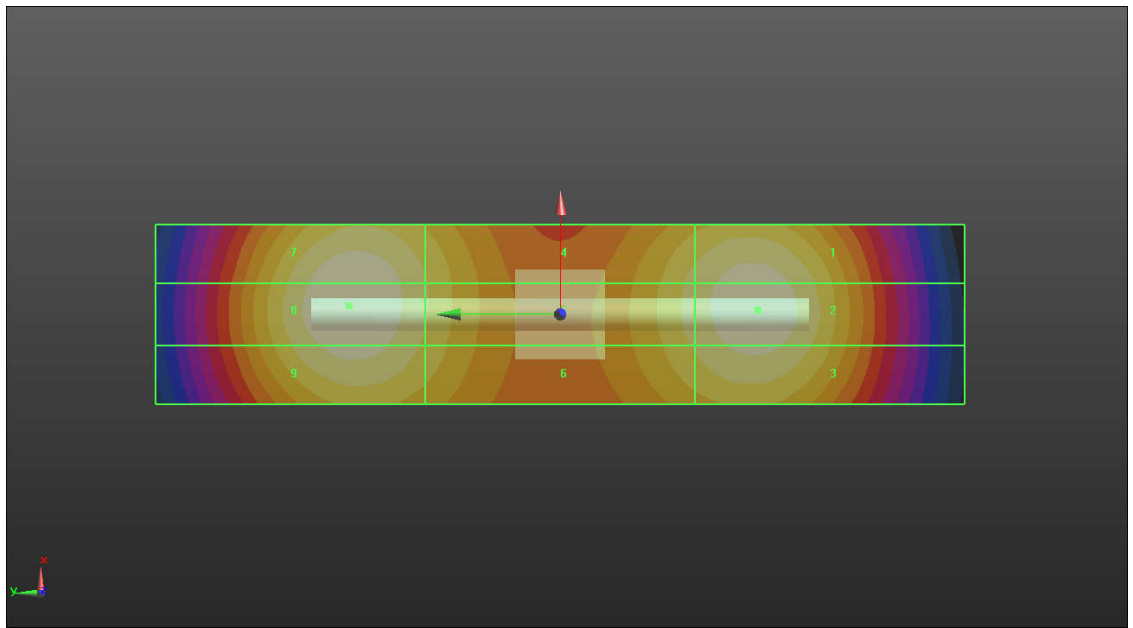
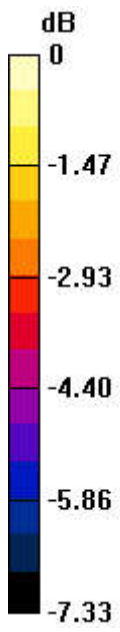
PMF scaled E-field

<b>Grid 1 M3</b> <b>93.32 V/m</b>	<b>Grid 2 M3</b> <b>94.51 V/m</b>	<b>Grid 3 M3</b> <b>93.22 V/m</b>
<b>Grid 4 M3</b> <b>86.48 V/m</b>	<b>Grid 5 M3</b> <b>86.53 V/m</b>	<b>Grid 6 M3</b> <b>86.28 V/m</b>
<b>Grid 7 M3</b> <b>93.81 V/m</b>	<b>Grid 8 M3</b> <b>95.87 V/m</b>	<b>Grid 9 M3</b> <b>93.39 V/m</b>

Total = 95.87 V/m

E Category: M3

Location: 1, 23.5, 9.7 mm



0 dB = 95.87 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/m<sup>3</sup>

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 = 39.27 V/m; Power Drift = 0.02 dB

PMR not calibrated. PMF = 1.000 is applied.

E-field emissions = 92.37 V/m

Average value of Total=(92.37+89.33)/2=90.85 V/m

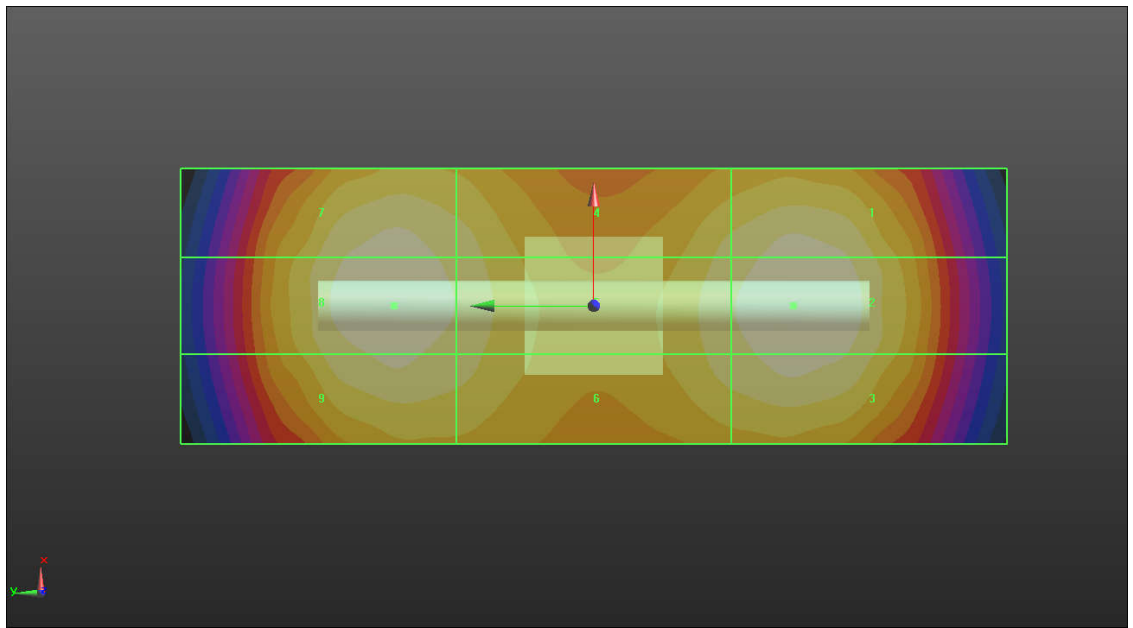
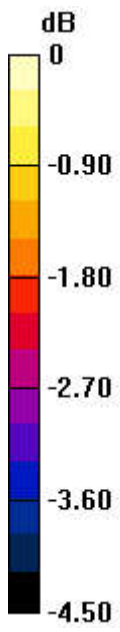
PMF scaled E-field

Grid 1 <b>M3</b> <b>91.13 V/m</b>	Grid 2 <b>M3</b> <b>92.37 V/m</b>	Grid 3 <b>M3</b> <b>91.45 V/m</b>
Grid 4 <b>M3</b> <b>86.35 V/m</b>	Grid 5 <b>M3</b> <b>88.35 V/m</b>	Grid 6 <b>M3</b> <b>87.36 V/m</b>
Grid 7 <b>M3</b> <b>87.24 V/m</b>	Grid 8 <b>M3</b> <b>89.33 V/m</b>	Grid 9 <b>M3</b> <b>89.39 V/m</b>

Total = 92.37 V/m

E Category: M3

Location: 0, -14.5, 9.7 mm



0 dB = 92.37 V/m = 39.55 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/m<sup>3</sup>

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 = 29.15 V/m; Power Drift = 0.09 dB

PMR not calibrated. PMF = 1.000 is applied.

E-field emissions = 107.6 V/m

Average value of Total=(103.5+105.3)/2=104.4 V/m

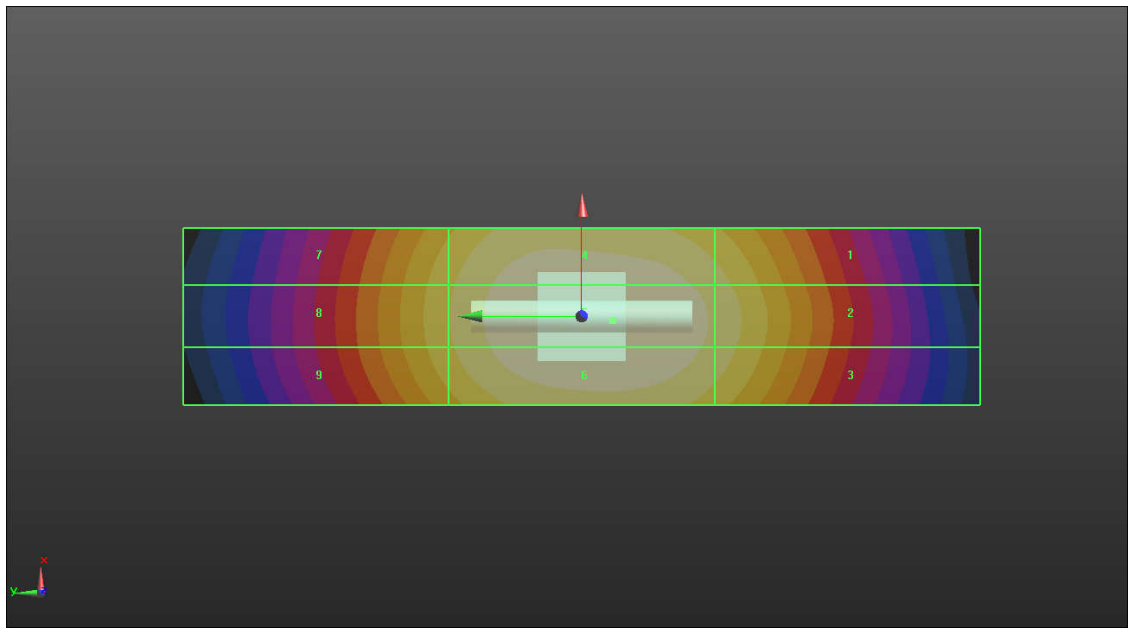
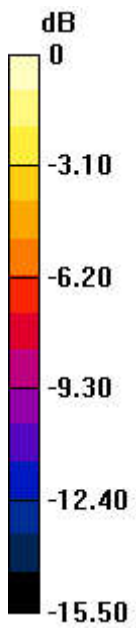
PMF scaled E-field

<b>Grid 1 M3</b> <b>90.10 V/m</b>	<b>Grid 2 M3</b> <b>93.79 V/m</b>	<b>Grid 3 M3</b> <b>91.96 V/m</b>
<b>Grid 4 M3</b> <b>103.5 V/m</b>	<b>Grid 5 M3</b> <b>107.6 V/m</b>	<b>Grid 6 M3</b> <b>105.3 V/m</b>
<b>Grid 7 M3</b> <b>83.04 V/m</b>	<b>Grid 8 M3</b> <b>90.72 V/m</b>	<b>Grid 9 M3</b> <b>83.16 V/m</b>

Total = 107.6 V/m

E Category: M3

Location: -0.5, -3.5, 8.7 mm



0 dB = 107.6 V/m = 41.38 dBV/m