

**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: 2023/1/24
- 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 = 95.98 V/m; Power Drift = 0.04 dB

PMR not calibrated. PMF = 1.000 is applied.

E-field emissions = 103.5 V/m

Average value of Total=(103.5+97.26)/2=100.38 V/m

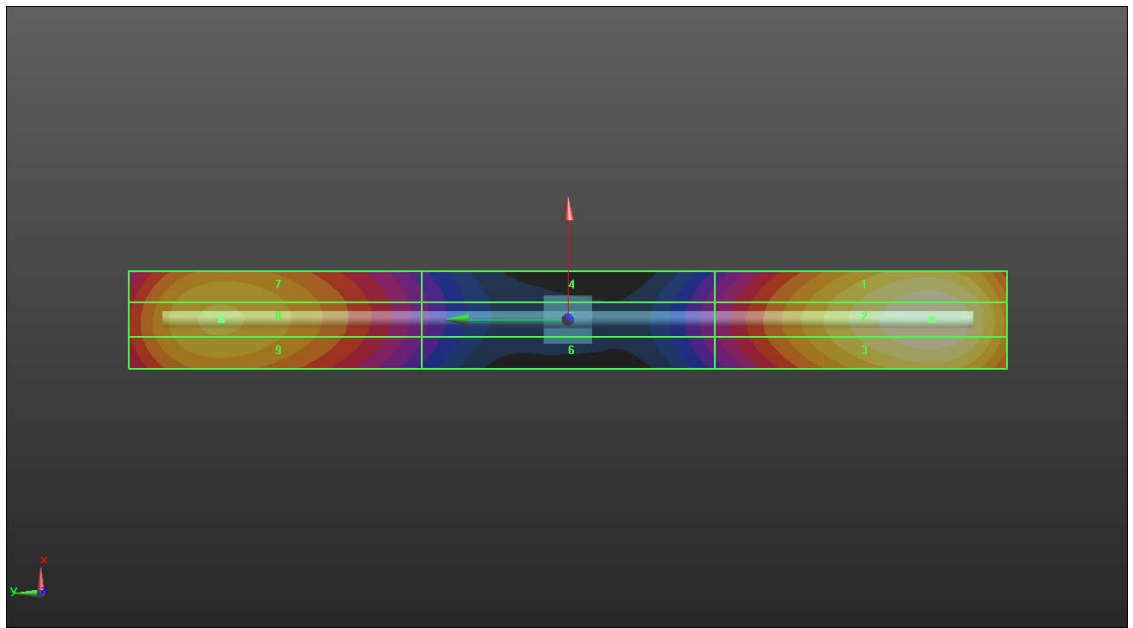
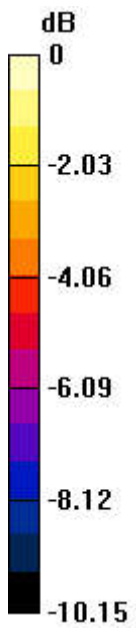
**PMF scaled E-field**

<b>Grid 1 M4</b> <b>102.3 V/m</b>	<b>Grid 2 M4</b> <b>103.5 V/m</b>	<b>Grid 3 M4</b> <b>101.9 V/m</b>
<b>Grid 4 M4</b> <b>53.23 V/m</b>	<b>Grid 5 M4</b> <b>55.65 V/m</b>	<b>Grid 6 M4</b> <b>52.38 V/m</b>
<b>Grid 7 M4</b> <b>93.29 V/m</b>	<b>Grid 8 M4</b> <b>97.26 V/m</b>	<b>Grid 9 M4</b> <b>92.74 V/m</b>

Total = 103.5 V/m

E Category: M4

Location: 0, -74.5, 9.7 mm



0 dB = 103.5 V/m = 37.33 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: 2023/1/24
- 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 = 127.5 V/m; Power Drift = -0.03 dB

PMR not calibrated. PMF = 1.000 is applied.

E-field emissions = 96.25 V/m

Average value of Total=(96.25+92.35)/2=94.3 V/m

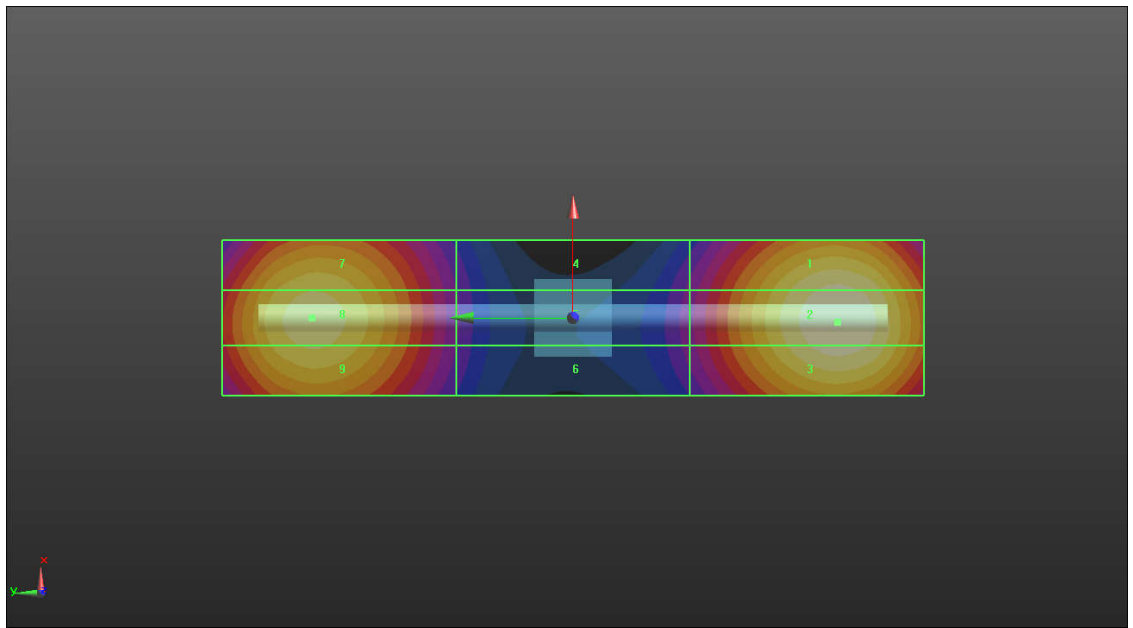
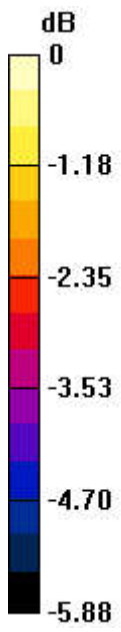
PMF scaled E-field

Grid 1 <b>M3</b> <b>93.31 V/m</b>	Grid 2 <b>M3</b> <b>96.25 V/m</b>	Grid 3 <b>M3</b> <b>94.21 V/m</b>
Grid 4 <b>M3</b> <b>65.23 V/m</b>	Grid 5 <b>M3</b> <b>66.22 V/m</b>	Grid 6 <b>M3</b> <b>64.15 V/m</b>
Grid 7 <b>M3</b> <b>91.32 V/m</b>	Grid 8 <b>M3</b> <b>92.35 V/m</b>	Grid 9 <b>M3</b> <b>89.87 V/m</b>

Total = 96.25 V/m

E Category: M3

Location: -0.5, -34, 8.7 mm



0 dB = 96.25 V/m = 39.16 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:  $\sigma = 0 \text{ S/m}$ ,  $\epsilon_r = 1$ ;  $\rho = 0 \text{ kg/m}^3$

Ambient Temperature : 23.3 °C;

**DASY5 Configuration:**

- Probe: EF3DV3 - SN4050; ConvF(1, 1, 1); Calibrated: 2023/1/24
- 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 = 79.35 V/m; Power Drift = 0.03 dB

PMR not calibrated. PMF = 1.000 is applied.

E-field emissions = 94.25 V/m

Average value of Total=(94.25+91.41)/2=92.83 V/m

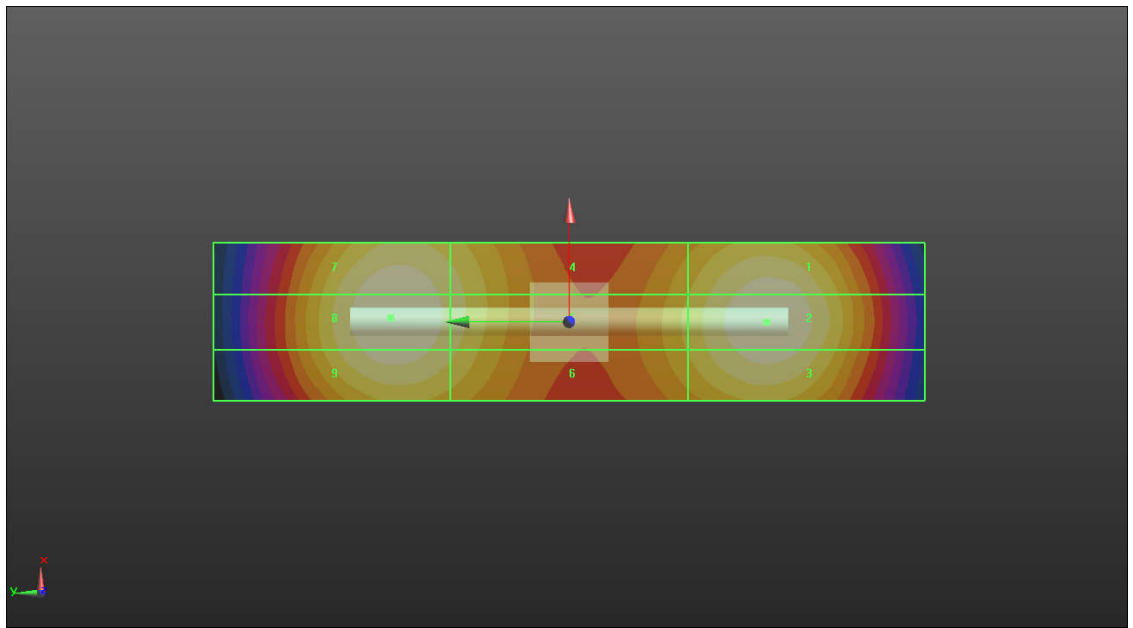
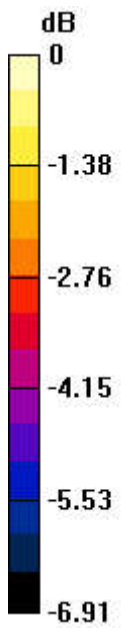
PMF scaled E-field

<b>Grid 1 M3</b> <b>92.41 V/m</b>	<b>Grid 2 M3</b> <b>94.25 V/m</b>	<b>Grid 3 M3</b> <b>92.37 V/m</b>
<b>Grid 4 M3</b> <b>87.66 V/m</b>	<b>Grid 5 M3</b> <b>88.29 V/m</b>	<b>Grid 6 M3</b> <b>85.29 V/m</b>
<b>Grid 7 M3</b> <b>89.27 V/m</b>	<b>Grid 8 M3</b> <b>91.41 V/m</b>	<b>Grid 9 M3</b> <b>89.23 V/m</b>

Total = 94.25 V/m

E Category: M3

Location: 0.5, 22.5, 9.7 mm



0 dB = 94.25 V/m = 44.26 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: 2023/1/24
- 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 = 79.99 V/m; Power Drift = 0.03 dB

PMR not calibrated. PMF = 1.000 is applied.

E-field emissions = 96.97 V/m

Average value of Total=(96.97+93.89)/2=95.43 V/m

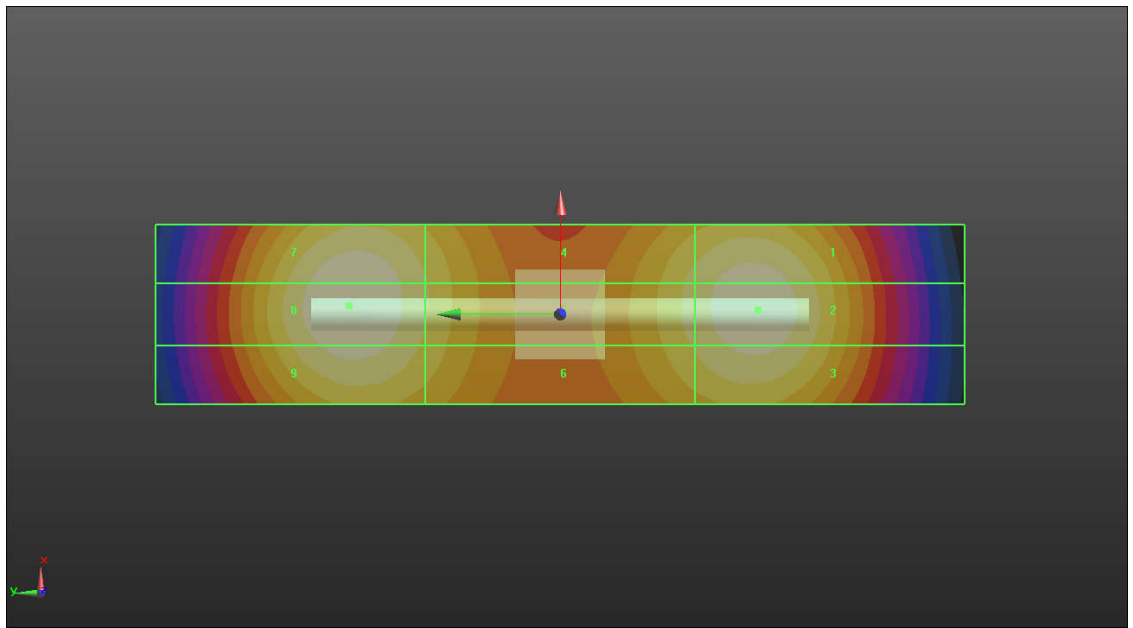
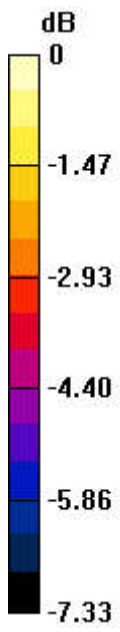
PMF scaled E-field

<b>Grid 1 M3</b> <b>95.91 V/m</b>	<b>Grid 2 M3</b> <b>96.97 V/m</b>	<b>Grid 3 M3</b> <b>95.62 V/m</b>
<b>Grid 4 M3</b> <b>89.21 V/m</b>	<b>Grid 5 M3</b> <b>88.47 V/m</b>	<b>Grid 6 M3</b> <b>88.71 V/m</b>
<b>Grid 7 M3</b> <b>92.71 V/m</b>	<b>Grid 8 M3</b> <b>93.89 V/m</b>	<b>Grid 9 M3</b> <b>91.14 V/m</b>

Total = 96.97 V/m

E Category: M3

Location: 1, 23.5, 9.7 mm



0 dB = 96.97 V/m = 42.97 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: 2023/1/24
- 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 = 38.74 V/m; Power Drift = -0.05 dB

PMR not calibrated. PMF = 1.000 is applied.

E-field emissions = 94.58 V/m

Average value of Total=(94.58+89.48)/2=92.03 V/m

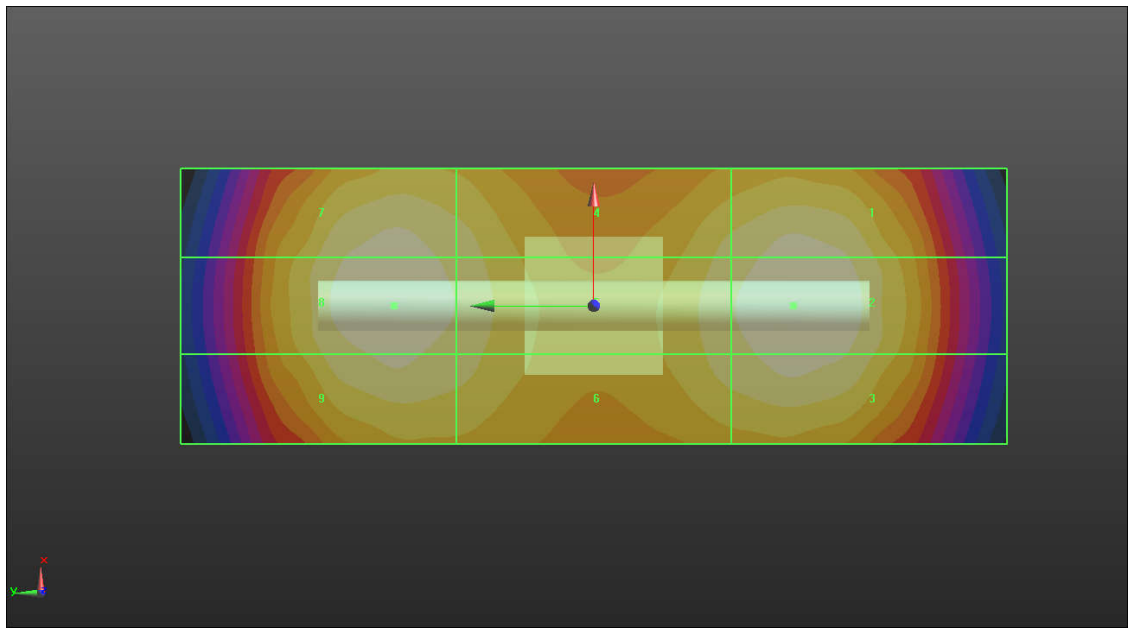
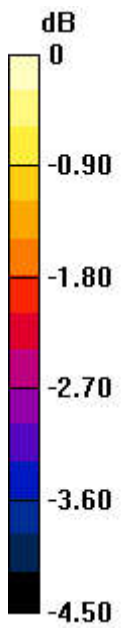
PMF scaled E-field

<b>Grid 1 M3</b> <b>91.92 V/m</b>	<b>Grid 2 M3</b> <b>94.58 V/m</b>	<b>Grid 3 M3</b> <b>92.76 V/m</b>
<b>Grid 4 M3</b> <b>88.28 V/m</b>	<b>Grid 5 M3</b> <b>89.19 V/m</b>	<b>Grid 6 M3</b> <b>88.54 V/m</b>
<b>Grid 7 M3</b> <b>88.84 V/m</b>	<b>Grid 8 M3</b> <b>89.48 V/m</b>	<b>Grid 9 M3</b> <b>88.53 V/m</b>

Total = 94.58 V/m

E Category: M3

Location: 0, -14.5, 9.7 mm



0 dB = 94.58 V/m = 39.93 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: 2023/1/24
- 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 = 30.08 V/m; Power Drift = -0.11 dB

PMR not calibrated. PMF = 1.000 is applied.

E-field emissions = 106.2 V/m

Average value of Total=(104.4+102.6)/2=103.5 V/m

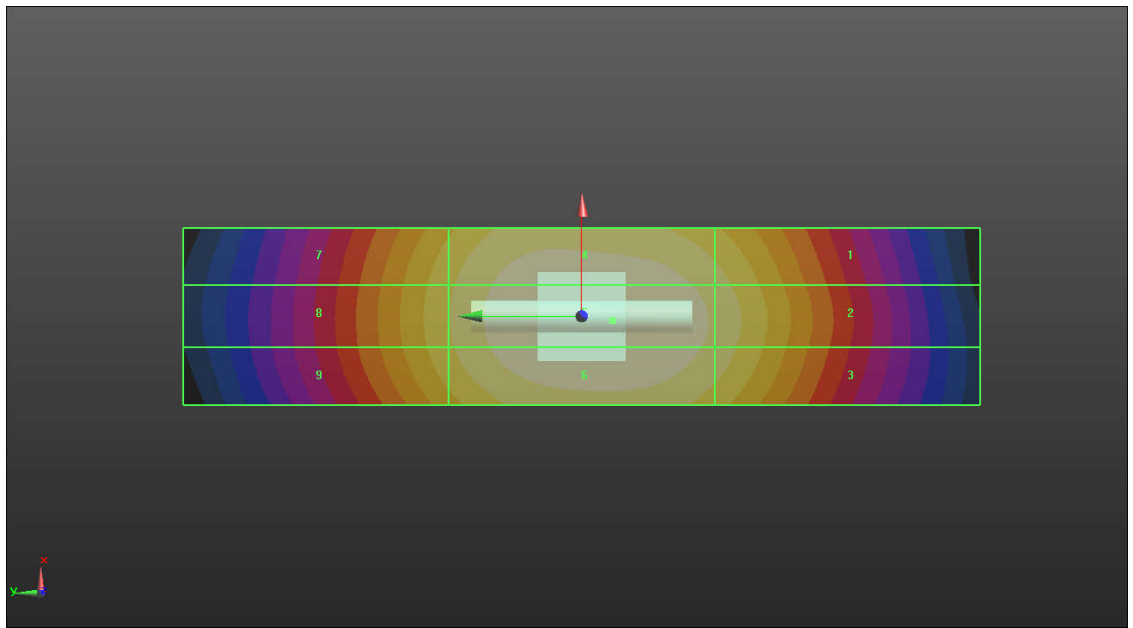
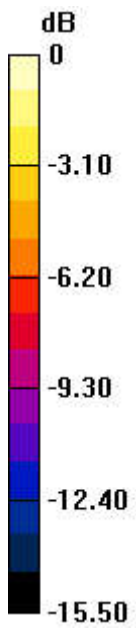
PMF scaled E-field

<b>Grid 1 M3</b> <b>92.59 V/m</b>	<b>Grid 2 M3</b> <b>93.18 V/m</b>	<b>Grid 3 M3</b> <b>92.72 V/m</b>
<b>Grid 4 M3</b> <b>104.4 V/m</b>	<b>Grid 5 M3</b> <b>106.2 V/m</b>	<b>Grid 6 M3</b> <b>102.6 V/m</b>
<b>Grid 7 M3</b> <b>85.18 V/m</b>	<b>Grid 8 M3</b> <b>92.87 V/m</b>	<b>Grid 9 M3</b> <b>86.59 V/m</b>

Total = 106.2 V/m

E Category: M3

Location: -0.5, -3.5, 8.7 mm



0 dB = 106.2 V/m = 41.85 dBV/m