

## 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 : 23.4 °C

#### DASY5 Configuration:

- Probe: EF3DV3 - SN4053; ConvF(1, 1, 1); Calibrated: 2022/7/27
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1664; Calibrated: 2022/5/30
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.10 (3); SEMCAD X Version 14.6.13 (7474)

### 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 = 124.9 V/m; Power Drift = 0.03 dB

PMR not calibrated. PMF = 1.000 is applied.

E-field emissions = 117.9 V/m

Average value of Total=(117.9+111.9)/2=114.9 V/m

#### PMF scaled E-field

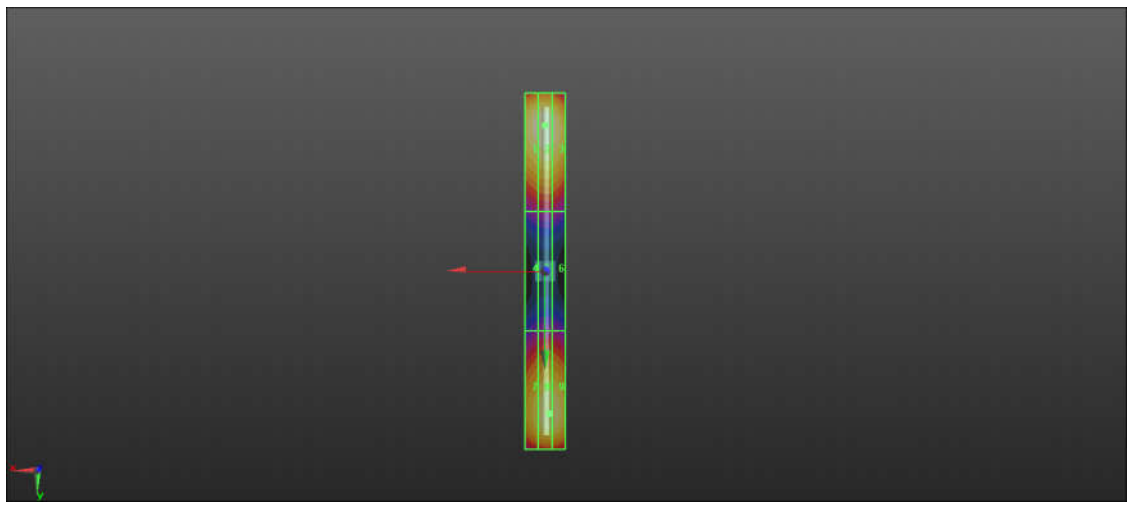
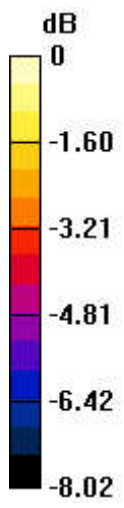
<b>Grid 1 M4</b> <b>115.9 V/m</b>	<b>Grid 2 M4</b> <b>117.9 V/m</b>	<b>Grid 3 M4</b> <b>115.5 V/m</b>
<b>Grid 4 M4</b> <b>68.99 V/m</b>	<b>Grid 5 M4</b> <b>70.11 V/m</b>	<b>Grid 6 M4</b> <b>69.62 V/m</b>
<b>Grid 7 M4</b> <b>105.8 V/m</b>	<b>Grid 8 M4</b> <b>111.9 V/m</b>	<b>Grid 9 M4</b> <b>110.4 V/m</b>

#### Cursor:

Total = 117.9 V/m

E Category: M4

Location: 0, -73.5, 8.7 mm



0 dB = 117.9 V/m = 41.35 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/m<sup>3</sup>

Ambient Temperature : 23.4 °C

#### DASY5 Configuration:

- Probe: EF3DV3 - SN4053; ConvF(1, 1, 1); Calibrated: 2022/7/27
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1664; Calibrated: 2021/5/30
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.10 (3); SEMCAD X Version 14.6.13 (7474)

### 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 = 142.5 V/m; Power Drift = 0.08 dB

PMR not calibrated. PMF = 1.000 is applied.

E-field emissions = 97.21 V/m

Average value of Total=(97.21+91.93)/2=94.57 V/m

#### PMF scaled E-field

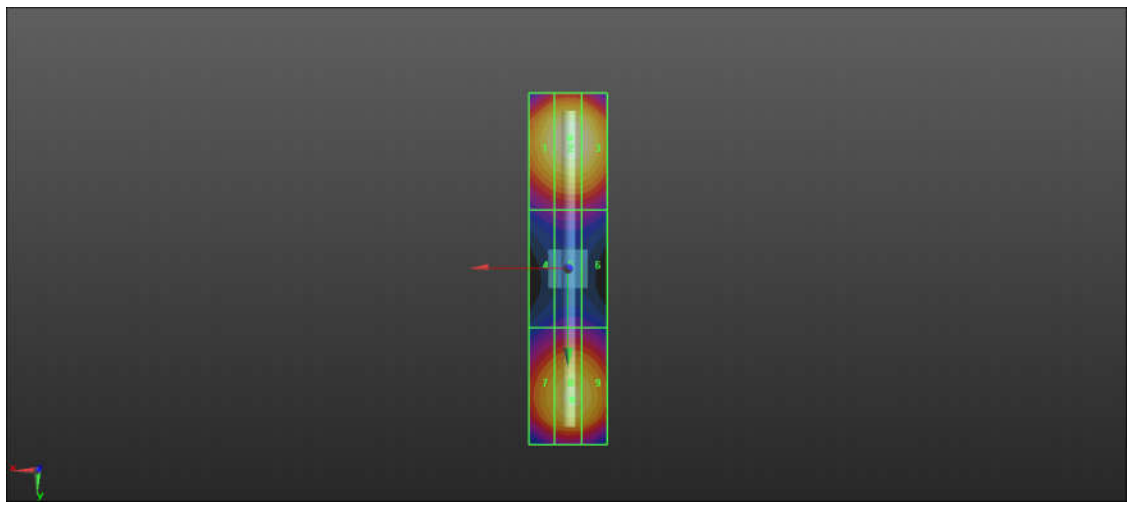
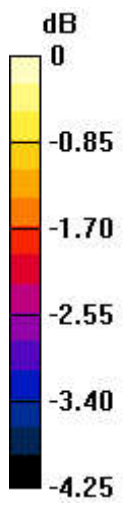
<b>Grid 1 M3</b> <b>93.96 V/m</b>	<b>Grid 2 M3</b> <b>97.21 V/m</b>	<b>Grid 3 M3</b> <b>95.55 V/m</b>
<b>Grid 4 M3</b> <b>72.51 V/m</b>	<b>Grid 5 M3</b> <b>73.96 V/m</b>	<b>Grid 6 M3</b> <b>72.98 V/m</b>
<b>Grid 7 M3</b> <b>88.87 V/m</b>	<b>Grid 8 M3</b> <b>91.93 V/m</b>	<b>Grid 9 M3</b> <b>90.87 V/m</b>

#### Cursor:

Total = 97.21 V/m

E Category: M3

Location: -0.5, -33.5, 8.7 mm



0 dB = 97.21 V/m = 39.55 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 : 23.4 °C

#### DASY5 Configuration:

- Probe: EF3DV3 - SN4053; ConvF(1, 1, 1); Calibrated: 2022/7/27
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1664; Calibrated: 2021/5/30
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.10 (3); SEMCAD X Version 14.6.13 (7474)

### 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 = 73.35 V/m; Power Drift = -0.11 dB

PMR not calibrated. PMF = 1.000 is applied.

E-field emissions = 91.15 V/m

Average value of Total=(91.15+88.09)/2=89.62 V/m

#### PMF scaled E-field

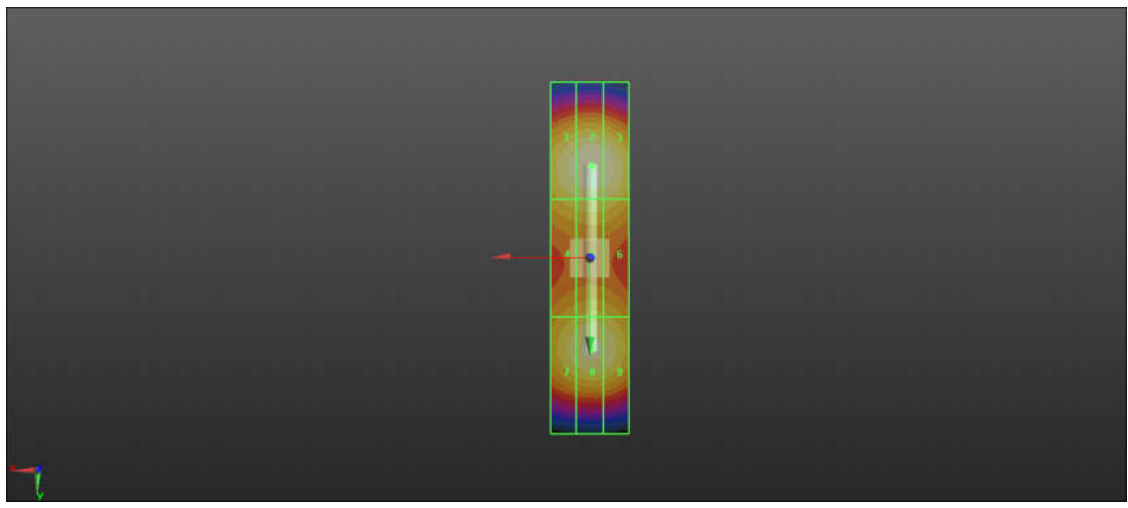
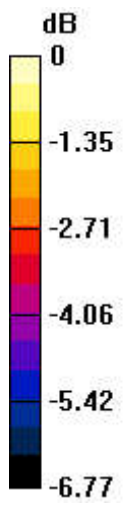
<b>Grid 1 M3</b> <b>88.95 V/m</b>	<b>Grid 2 M3</b> <b>91.15 V/m</b>	<b>Grid 3 M3</b> <b>90.55 V/m</b>
<b>Grid 4 M3</b> <b>82.24 V/m</b>	<b>Grid 5 M3</b> <b>83.67 V/m</b>	<b>Grid 6 M3</b> <b>82.98 V/m</b>
<b>Grid 7 M3</b> <b>85.59 V/m</b>	<b>Grid 8 M3</b> <b>88.09 V/m</b>	<b>Grid 9 M3</b> <b>86.75 V/m</b>

#### Cursor:

Total = 91.15 V/m

E Category: M3

Location: -0.5, -23.5, 8.7 mm



0 dB = 91.15 V/m = 39.16 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 : 23.4 °C

**DASY5 Configuration:**

- Probe: EF3DV3 - SN4053; ConvF(1, 1, 1); Calibrated: 2022/7/27
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1664; Calibrated: 2021/5/30
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.10 (3); SEMCAD X Version 14.6.13 (7474)

**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 = 73.58 V/m; Power Drift = 0.02 dB

PMR not calibrated. PMF = 1.000 is applied.

E-field emissions = 88.19 V/m

Average value of Total=(86.95+88.19)/2 = 87.57 V/m

PMF scaled E-field

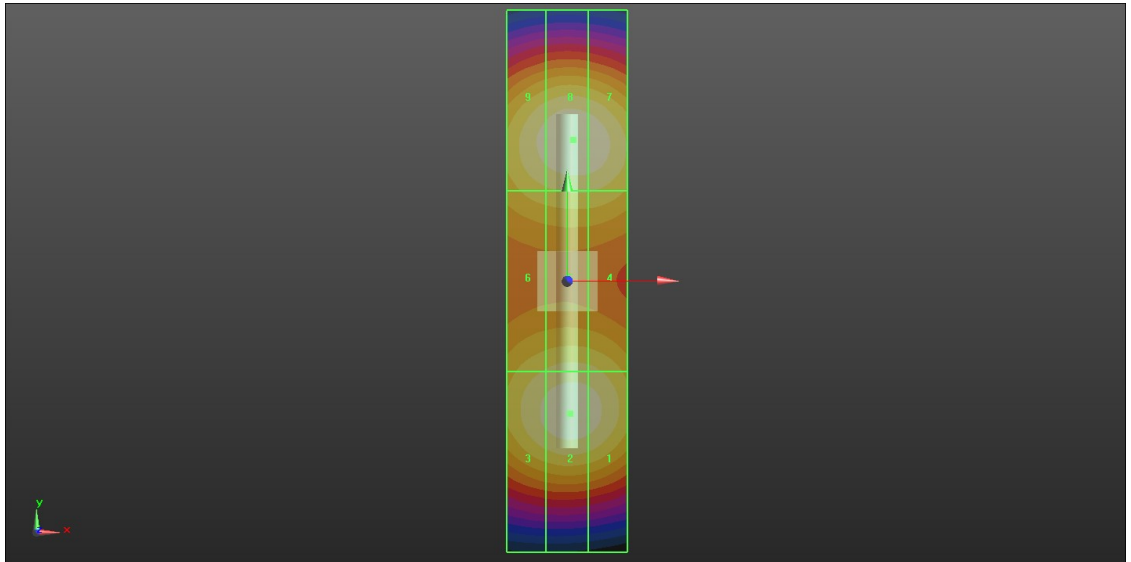
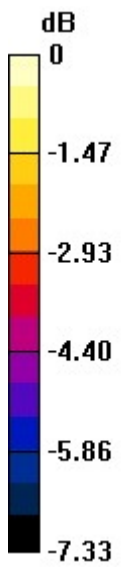
<b>Grid 1 M3</b> <b>85.96 V/m</b>	<b>Grid 2 M3</b> <b>86.95 V/m</b>	<b>Grid 3 M3</b> <b>84.54 V/m</b>
<b>Grid 4 M3</b> <b>80.72 V/m</b>	<b>Grid 5 M3</b> <b>81.32 V/m</b>	<b>Grid 6 M3</b> <b>79.35 V/m</b>
<b>Grid 7 M3</b> <b>87.42 V/m</b>	<b>Grid 8 M3</b> <b>88.19 V/m</b>	<b>Grid 9 M3</b> <b>85.71 V/m</b>

**Cursor:**

Total = 88.19 V/m

E Category: M3

Location: 1, 23.5, 9.7 mm



0 dB = 88.19 V/m = 38.76 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/m<sup>3</sup>

Ambient Temperature : 23.4 °C

**DASY5 Configuration:**

- Probe: EF3DV3 - SN4053; ConvF(1, 1, 1); Calibrated: 2022/7/27
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1664; Calibrated: 2022/5/30
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.10 (3); SEMCAD X Version 14.6.13 (7474)

**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 = 38.48 V/m; Power Drift = 0.12 dB

PMR not calibrated. PMF = 1.000 is applied.

E-field emissions = 88.54 V/m

Average value of Total=(88.54+88.08)/2 = 88.31 V/m

PMF scaled E-field

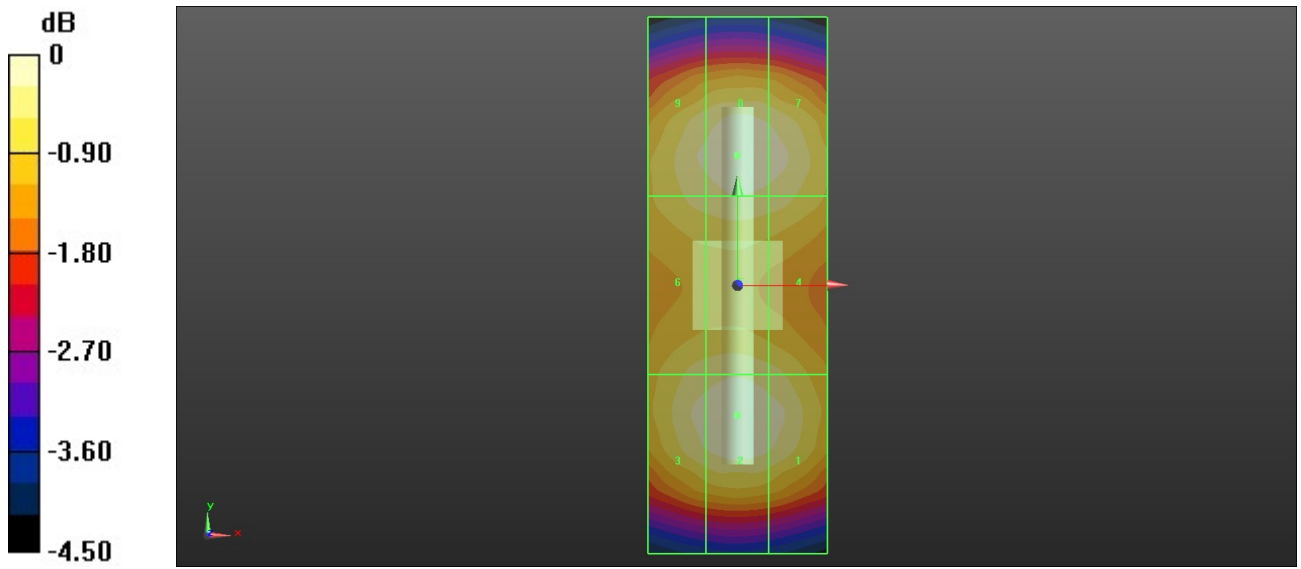
<b>Grid 1 M3</b> <b>87.12 V/m</b>	<b>Grid 2 M3</b> <b>88.54 V/m</b>	<b>Grid 3 M3</b> <b>86.95 V/m</b>
<b>Grid 4 M3</b> <b>85.03 V/m</b>	<b>Grid 5 M3</b> <b>85.86 V/m</b>	<b>Grid 6 M3</b> <b>84.52 V/m</b>
<b>Grid 7 M3</b> <b>87.34 V/m</b>	<b>Grid 8 M3</b> <b>88.08 V/m</b>	<b>Grid 9 M3</b> <b>86.31 V/m</b>

**Cursor:**

Total = 88.54 V/m

E Category: M3

Location: 0, -14.5, 9.7 mm



0 dB = 88.54 V/m = 39.03 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:  $\sigma = 0 \text{ S/m}$ ,  $\epsilon_r = 1$ ;  $\rho = 0 \text{ kg/m}^3$

Ambient Temperature : 23.4 °C

#### DASY5 Configuration:

- Probe: EF3DV3 - SN4053; ConvF(1, 1, 1); Calibrated: 2022/7/27
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1664; Calibrated: 2022/5/30
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.10 (3); SEMCAD X Version 14.6.13 (7474)

### E Scan - measurement distance from the probe sensor center to CD5500 = 10mm & 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 = 37.67 V/m; Power Drift = -0.03 dB

PMR not calibrated. PMF = 1.000 is applied.

E-field emissions = 109.1 V/m

Average value of Total=(108.3+109.1)/2=108.7 V/m

#### PMF scaled E-field

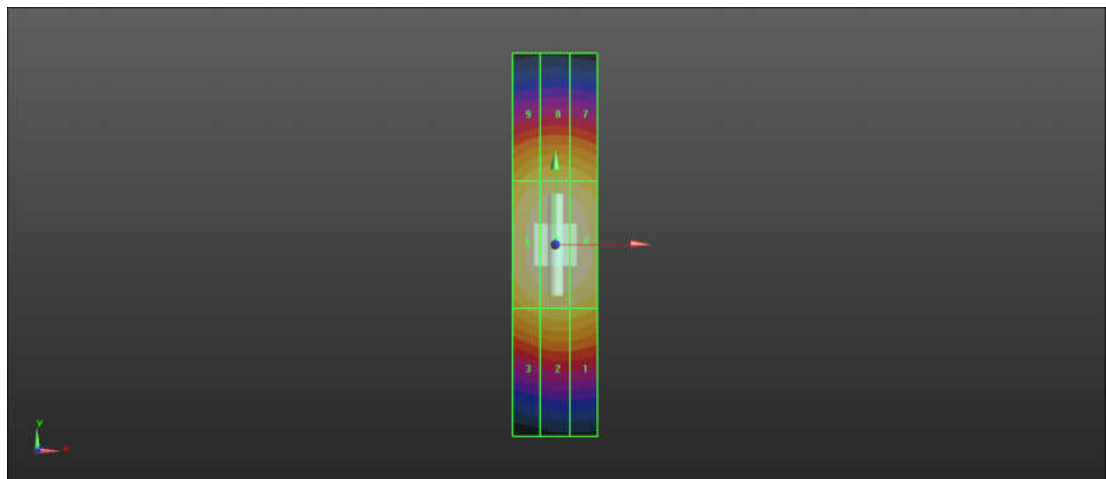
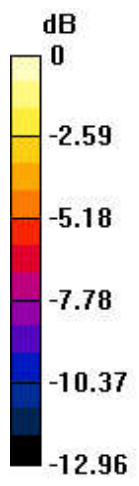
<b>Grid 1 M3</b> <b>95.80 V/m</b>	<b>Grid 2 M3</b> <b>97.32 V/m</b>	<b>Grid 3 M3</b> <b>94.70 V/m</b>
<b>Grid 4 M2</b> <b>108.3 V/m</b>	<b>Grid 5 M2</b> <b>107.3 V/m</b>	<b>Grid 6 M2</b> <b>109.1 V/m</b>
<b>Grid 7 M3</b> <b>98.34 V/m</b>	<b>Grid 8 M3</b> <b>100.2 V/m</b>	<b>Grid 9 M3</b> <b>97.85 V/m</b>

#### Cursor:

Total = 109.1 V/m

E Category: M2

Location: 0.5, 0, 8.7 mm



0 dB = 109.1 V/m = 41.06 dBV/m