

**HAC\_E\_Dipole\_835****DUT: HAC-Dipole 835 MHz**

Communication System: 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 : 23.5 °C

DASY5 Configuration:

- Probe: EF3DV3 - SN4047; ConvF(1, 1, 1) @ 835 MHz; Calibrated: 2019/1/30
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn854; Calibrated: 2018/6/14
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.10 (1); SEMCAD X Version 14.6.11 (7439)

**E Scan - measurement distance from the probe sensor center to CD835 = 10mm & 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 = 124.1 V/m; Power Drift = 0.05 dB

PMR not calibrated. PMF = 1.000 is applied.

E-field emissions = 114.3 V/m

Average value of Total=(114.1+114.3) / 2 = 114.2 V/m

PMF scaled E-field

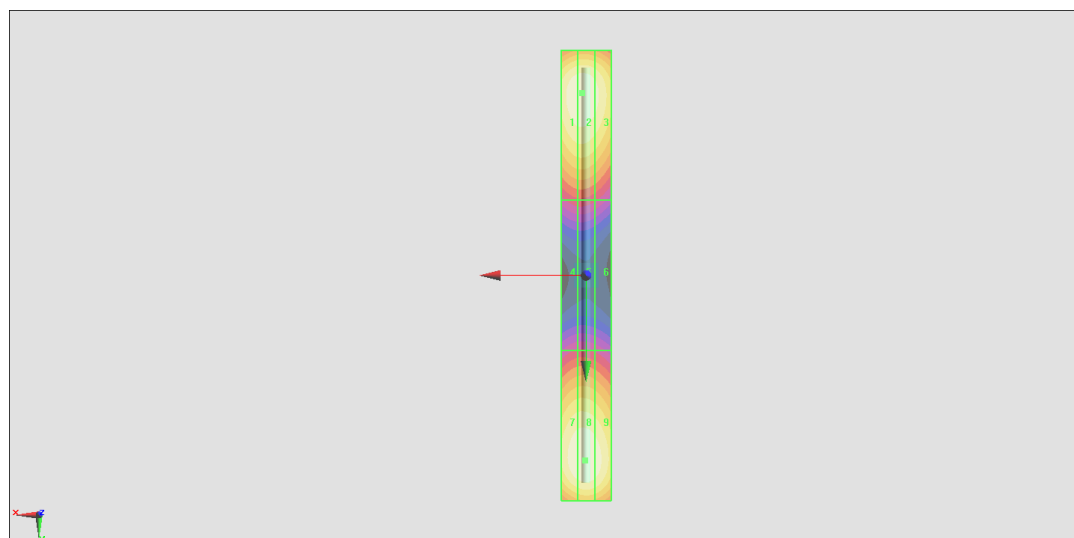
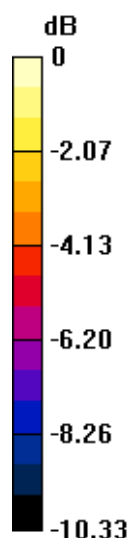
|                                      |                                      |                                      |
|--------------------------------------|--------------------------------------|--------------------------------------|
| Grid 1 <b>M4</b><br><b>113.1 V/m</b> | Grid 2 <b>M4</b><br><b>114.1 V/m</b> | Grid 3 <b>M4</b><br><b>108.2 V/m</b> |
| Grid 4 <b>M4</b><br><b>64.22 V/m</b> | Grid 5 <b>M4</b><br><b>64.48 V/m</b> | Grid 6 <b>M4</b><br><b>61.31 V/m</b> |
| Grid 7 <b>M4</b><br><b>112.7 V/m</b> | Grid 8 <b>M4</b><br><b>114.3 V/m</b> | Grid 9 <b>M4</b><br><b>111.1 V/m</b> |

**Cursor:**

Total = 114.3 V/m

E Category: M4

Location: 0.5, 74, 8.7 mm



0 dB = 114.3 V/m = 41.16 dBV/m

**HAC\_E\_Dipole\_835****DUT: HAC-Dipole 835 MHz**

Communication System: 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 : 23.2 °C

DASY5 Configuration:

- Probe: EF3DV3 - SN4047; ConvF(1, 1, 1) @ 835 MHz; Calibrated: 2019/1/30
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn854; Calibrated: 2018/6/14
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.10 (1); SEMCAD X Version 14.6.11 (7439)

**E Scan - measurement distance from the probe sensor center to CD835 = 10mm & 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 = 124.4 V/m; Power Drift = -0.05 dB

PMR not calibrated. PMF = 1.000 is applied.

E-field emissions = 109.4 V/m

Average value of Total=(109.4+106.2) / 2 = 107.8 V/m

PMF scaled E-field

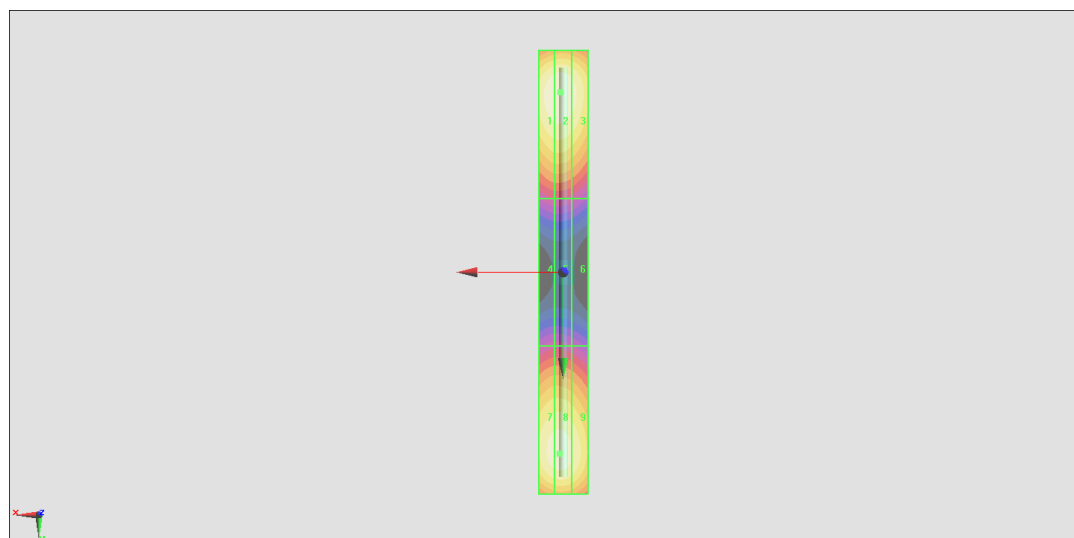
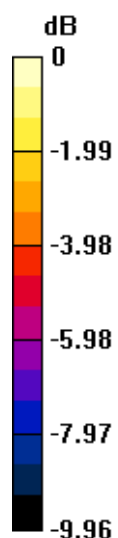
|                                      |                                      |                                      |
|--------------------------------------|--------------------------------------|--------------------------------------|
| Grid 1 <b>M4</b><br><b>108.5 V/m</b> | Grid 2 <b>M4</b><br><b>109.4 V/m</b> | Grid 3 <b>M4</b><br><b>105.2 V/m</b> |
| Grid 4 <b>M4</b><br><b>59.88 V/m</b> | Grid 5 <b>M4</b><br><b>60.06 V/m</b> | Grid 6 <b>M4</b><br><b>57.74 V/m</b> |
| Grid 7 <b>M4</b><br><b>105.2 V/m</b> | Grid 8 <b>M4</b><br><b>106.2 V/m</b> | Grid 9 <b>M4</b><br><b>101.7 V/m</b> |

**Cursor:**

Total = 109.4 V/m

E Category: M4

Location: 1, -73, 9.7 mm



0 dB = 109.4 V/m = 40.78 dBV/m

**HAC\_E\_Dipole\_1880****DUT: HAC Dipole 1880 MHz**

Communication System: 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 : 23.5 °C

DASY5 Configuration:

- Probe: EF3DV3 - SN4047; ConvF(1, 1, 1) @ 1880 MHz; Calibrated: 2019/1/30

- Sensor-Surface: (Fix Surface)

- Electronics: DAE4 Sn854; Calibrated: 2018/6/14

- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;

- Measurement SW: DASY52, Version 52.10 (1); SEMCAD X Version 14.6.11 (7439)

**E Scan - measurement distance from the probe sensor center to CD1880 = 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 = 153.9 V/m; Power Drift = 0.06 dB

PMR not calibrated. PMF = 1.000 is applied.

E-field emissions = 94.24 V/m

Average value of Total=(94.24+93.68) / 2 = 93.96 V/m

PMF scaled E-field

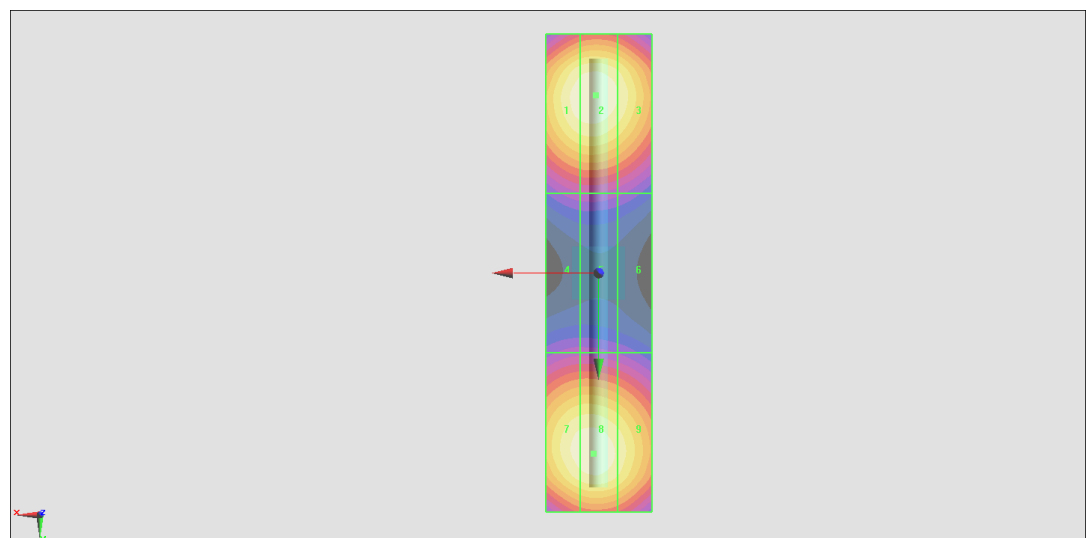
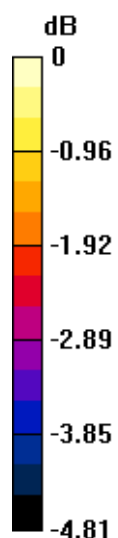
|                                      |                                      |                                      |
|--------------------------------------|--------------------------------------|--------------------------------------|
| Grid 1 <b>M3</b><br><b>93.33 V/m</b> | Grid 2 <b>M3</b><br><b>94.24 V/m</b> | Grid 3 <b>M3</b><br><b>91.17 V/m</b> |
| Grid 4 <b>M3</b><br><b>67.36 V/m</b> | Grid 5 <b>M3</b><br><b>67.65 V/m</b> | Grid 6 <b>M3</b><br><b>66.11 V/m</b> |
| Grid 7 <b>M3</b><br><b>92.87 V/m</b> | Grid 8 <b>M3</b><br><b>93.68 V/m</b> | Grid 9 <b>M3</b><br><b>90.33 V/m</b> |

**Cursor:**

Total = 94.24 V/m

E Category: M3

Location: 0.5, -33.5, 8.7 mm



0 dB = 94.24 V/m = 39.48 dBV/m

**HAC\_E\_Dipole\_1880****DUT: HAC Dipole 1880 MHz**

Communication System: 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 : 23.2 °C

DASY5 Configuration:

- Probe: EF3DV3 - SN4047; ConvF(1, 1, 1) @ 1880 MHz; Calibrated: 2019/1/30
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn854; Calibrated: 2018/6/14
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.10 (1); SEMCAD X Version 14.6.11 (7439)

**E Scan - measurement distance from the probe sensor center to CD1880 = 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 = 158.3 V/m; Power Drift = 0.00 dB

PMR not calibrated. PMF = 1.000 is applied.

E-field emissions = 87.45 V/m

Average value of Total=(86.98+87.45) / 2 = 87.215 V/m

PMF scaled E-field

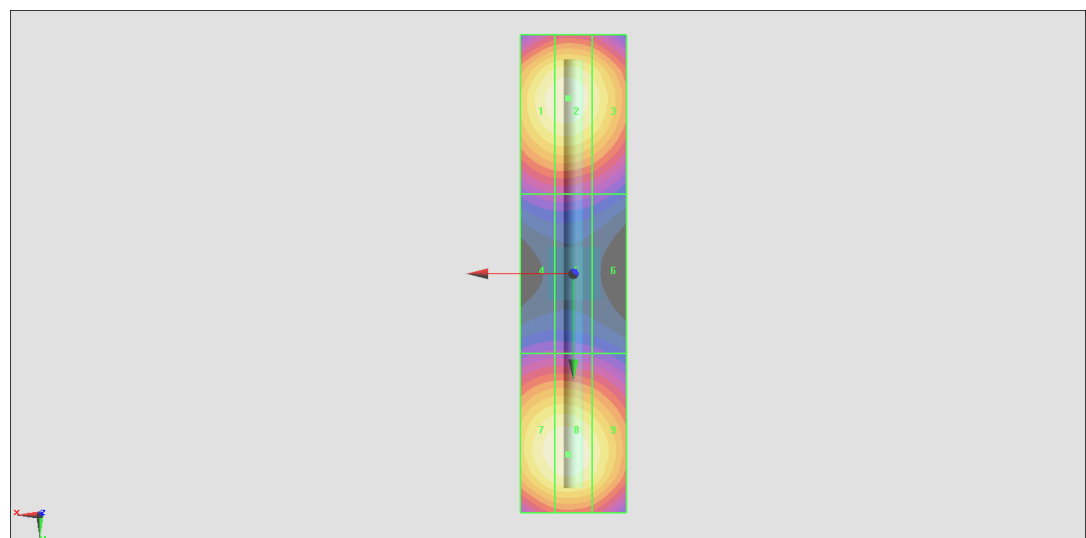
|                                      |                                      |                                      |
|--------------------------------------|--------------------------------------|--------------------------------------|
| Grid 1 <b>M3</b><br><b>86.35 V/m</b> | Grid 2 <b>M3</b><br><b>86.98 V/m</b> | Grid 3 <b>M3</b><br><b>83.85 V/m</b> |
| Grid 4 <b>M3</b><br><b>64.67 V/m</b> | Grid 5 <b>M3</b><br><b>64.73 V/m</b> | Grid 6 <b>M3</b><br><b>63.17 V/m</b> |
| Grid 7 <b>M3</b><br><b>86.75 V/m</b> | Grid 8 <b>M3</b><br><b>87.45 V/m</b> | Grid 9 <b>M3</b><br><b>84.22 V/m</b> |

**Cursor:**

Total = 87.45 V/m

E Category: M3

Location: 1, 34, 9.7 mm



0 dB = 87.45 V/m = 38.84 dBV/m

**HAC\_E\_Dipole\_2450****DUT: HAC Dipole 2450 MHz**

Communication System: 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 : 23.5 °C

DASY5 Configuration:

- Probe: EF3DV3 - SN4047; ConvF(1, 1, 1) @ 2450 MHz; Calibrated: 2019/1/30

- Sensor-Surface: (Fix Surface)

- Electronics: DAE4 Sn854; Calibrated: 2018/6/14

- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;

- Measurement SW: DASY52, Version 52.10 (1); SEMCAD X Version 14.6.11 (7439)

**E Scan - measurement distance from the probe sensor center to CD2450 = 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 = 82.25 V/m; Power Drift = -0.01 dB

PMR not calibrated. PMF = 1.000 is applied.

E-field emissions = 92.02 V/m

Average value of Total=(91.05+92.02) / 2 = 91.535 V/m

PMF scaled E-field

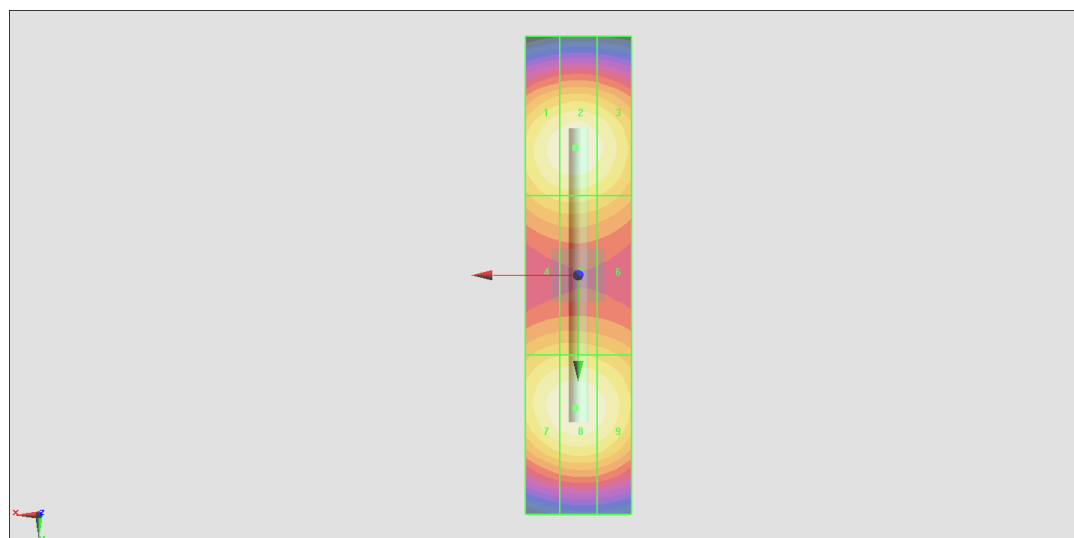
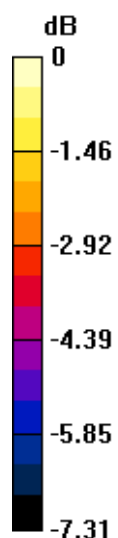
|                                      |                                      |                                      |
|--------------------------------------|--------------------------------------|--------------------------------------|
| Grid 1 <b>M3</b><br><b>90.16 V/m</b> | Grid 2 <b>M3</b><br><b>91.05 V/m</b> | Grid 3 <b>M3</b><br><b>88.71 V/m</b> |
| Grid 4 <b>M3</b><br><b>79.66 V/m</b> | Grid 5 <b>M3</b><br><b>80.22 V/m</b> | Grid 6 <b>M3</b><br><b>78.27 V/m</b> |
| Grid 7 <b>M3</b><br><b>90.42 V/m</b> | Grid 8 <b>M3</b><br><b>92.02 V/m</b> | Grid 9 <b>M3</b><br><b>89.50 V/m</b> |

**Cursor:**

Total = 92.02 V/m

E Category: M3

Location: 0.5, 25, 8.7 mm



0 dB = 92.02 V/m = 39.28 dBV/m

**HAC\_E\_Dipole\_2600****DUT: HAC Dipole 2600 MHz**

Communication System: CW ; 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 : 23.5 °C

DASY5 Configuration:

- Probe: EF3DV3 - SN4047; ConvF(1, 1, 1) @ 2600 MHz; Calibrated: 2019/1/30
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn854; Calibrated: 2018/6/14
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.10 (1);SEMCAD X Version 14.6.11 (7439)

**E Scan - measurement distance from the probe sensor center to CD2600 = 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 = 73.16 V/m; Power Drift = -0.01 dB

PMR not calibrated. PMF = 1.000 is applied.

E-field emissions = 88.45 V/m

Average value of Total=(88.45+88.37) / 2 = 88.41 V/m

PMF scaled E-field

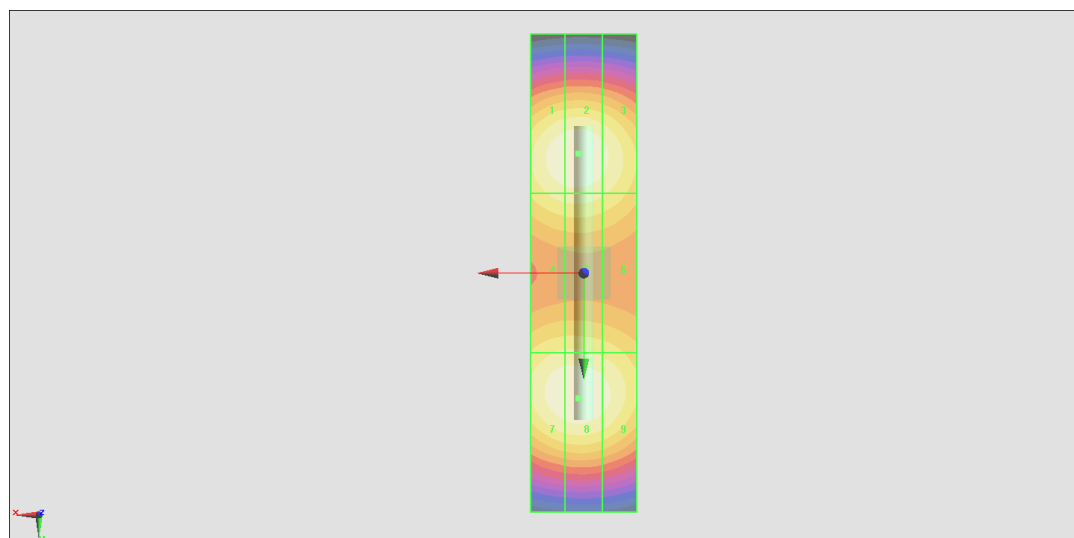
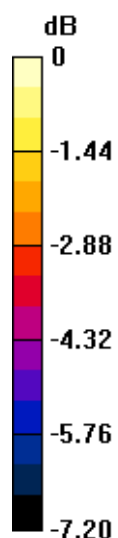
|                                      |                                      |                                      |
|--------------------------------------|--------------------------------------|--------------------------------------|
| Grid 1 <b>M3</b><br><b>87.71 V/m</b> | Grid 2 <b>M3</b><br><b>88.45 V/m</b> | Grid 3 <b>M3</b><br><b>85.18 V/m</b> |
| Grid 4 <b>M3</b><br><b>81.81 V/m</b> | Grid 5 <b>M3</b><br><b>82.20 V/m</b> | Grid 6 <b>M3</b><br><b>79.96 V/m</b> |
| Grid 7 <b>M3</b><br><b>87.78 V/m</b> | Grid 8 <b>M3</b><br><b>88.37 V/m</b> | Grid 9 <b>M3</b><br><b>85.57 V/m</b> |

**Cursor:**

Total = 88.45 V/m

E Category: M3

Location: 1, -22.5, 9.7 mm



0 dB = 88.45 V/m = 38.93 dBV/m