

**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 (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

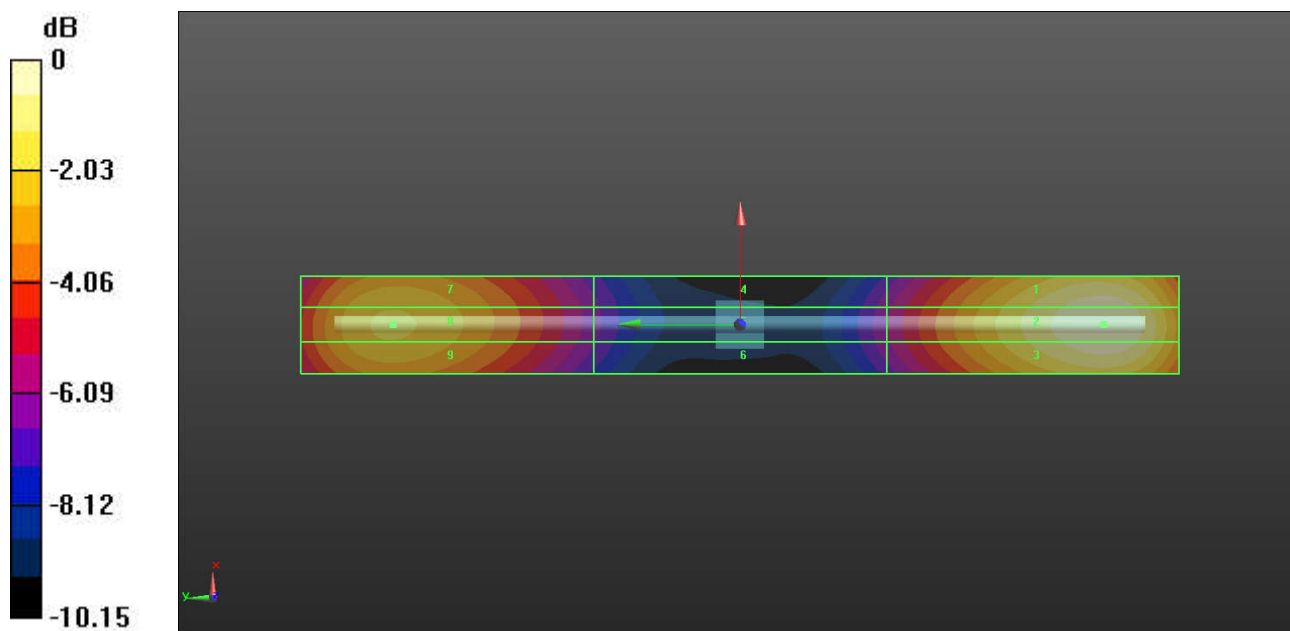
PMF scaled E-field

|                                      |                                      |                                      |
|--------------------------------------|--------------------------------------|--------------------------------------|
| Grid 1 <b>M4</b><br><b>111.5 V/m</b> | Grid 2 <b>M4</b><br><b>113.4 V/m</b> | Grid 3 <b>M4</b><br><b>111.4 V/m</b> |
| Grid 4 <b>M4</b><br><b>54.10 V/m</b> | Grid 5 <b>M4</b><br><b>55.38 V/m</b> | Grid 6 <b>M4</b><br><b>54.30 V/m</b> |
| Grid 7 <b>M4</b><br><b>90.77 V/m</b> | Grid 8 <b>M4</b><br><b>92.02 V/m</b> | Grid 9 <b>M4</b><br><b>91.13 V/m</b> |

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/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 (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

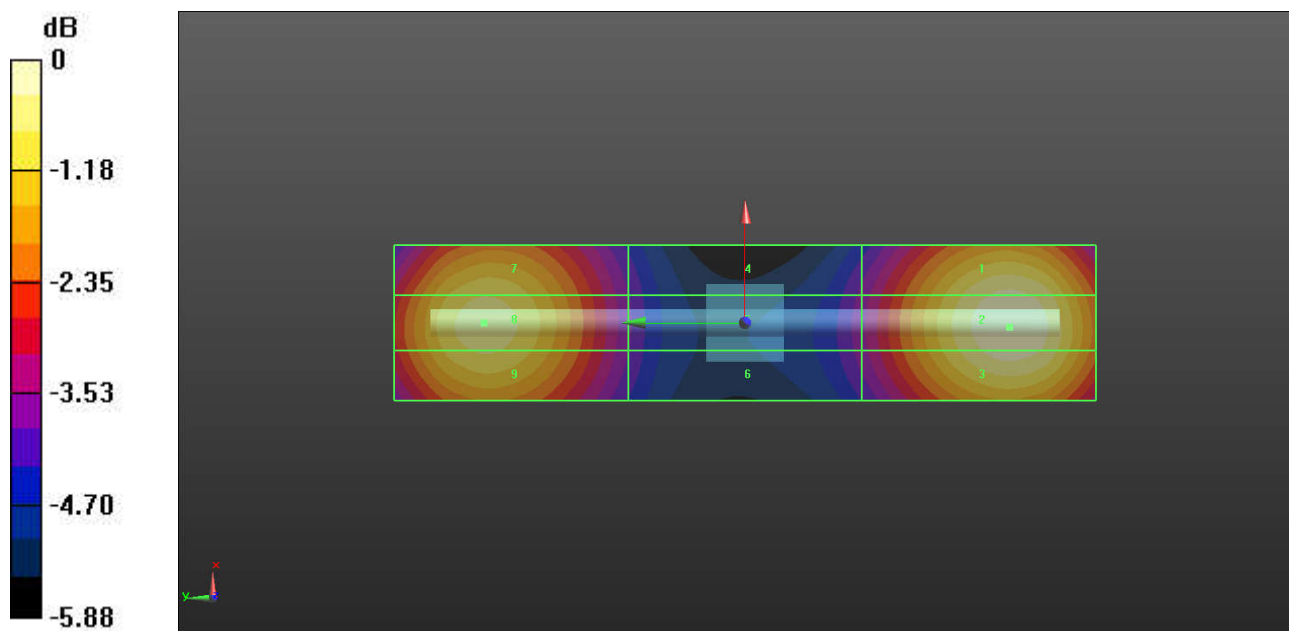
PMF scaled E-field

|                                      |                                      |                                      |
|--------------------------------------|--------------------------------------|--------------------------------------|
| Grid 1 <b>M3</b><br><b>90.33 V/m</b> | Grid 2 <b>M3</b><br><b>91.28 V/m</b> | Grid 3 <b>M3</b><br><b>90.84 V/m</b> |
| Grid 4 <b>M3</b><br><b>58.15 V/m</b> | Grid 5 <b>M3</b><br><b>60.08 V/m</b> | Grid 6 <b>M3</b><br><b>59.58 V/m</b> |
| Grid 7 <b>M3</b><br><b>84.47 V/m</b> | Grid 8 <b>M3</b><br><b>88.76 V/m</b> | Grid 9 <b>M3</b><br><b>85.36 V/m</b> |

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/m<sup>3</sup>

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

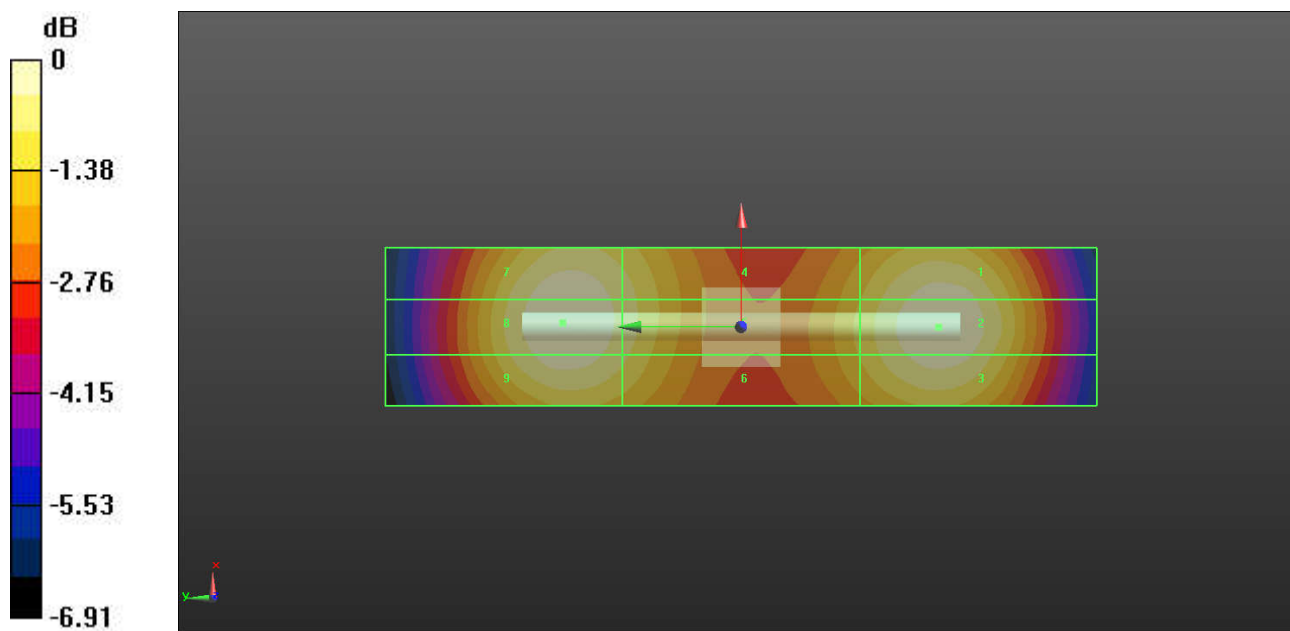
PMF scaled E-field

|                                      |                                      |                                      |
|--------------------------------------|--------------------------------------|--------------------------------------|
| Grid 1 <b>M3</b><br><b>82.32 V/m</b> | Grid 2 <b>M3</b><br><b>82.77 V/m</b> | Grid 3 <b>M3</b><br><b>81.33 V/m</b> |
| Grid 4 <b>M3</b><br><b>74.91 V/m</b> | Grid 5 <b>M3</b><br><b>76.14 V/m</b> | Grid 6 <b>M3</b><br><b>74.65 V/m</b> |
| Grid 7 <b>M3</b><br><b>80.69 V/m</b> | Grid 8 <b>M3</b><br><b>81.65 V/m</b> | Grid 9 <b>M3</b><br><b>81.34 V/m</b> |

Total = 82.77 V/m

E Category: M3

Location: 0.5, 22.5, 9.7 mm



**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 (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

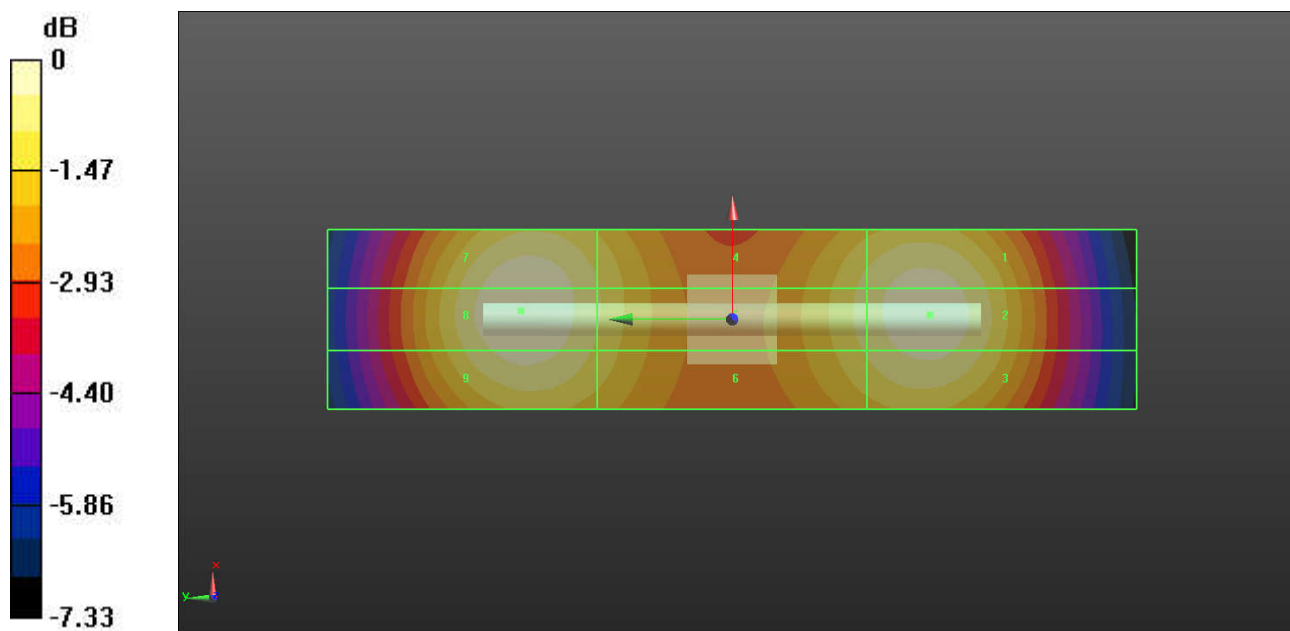
**PMF scaled E-field**

|                                      |                                      |                                      |
|--------------------------------------|--------------------------------------|--------------------------------------|
| <b>Grid 1 M3</b><br><b>84.15 V/m</b> | <b>Grid 2 M3</b><br><b>84.23 V/m</b> | <b>Grid 3 M3</b><br><b>84.07 V/m</b> |
| <b>Grid 4 M3</b><br><b>78.15 V/m</b> | <b>Grid 5 M3</b><br><b>79.45 V/m</b> | <b>Grid 6 M3</b><br><b>77.69 V/m</b> |
| <b>Grid 7 M3</b><br><b>84.66 V/m</b> | <b>Grid 8 M3</b><br><b>85.41 V/m</b> | <b>Grid 9 M3</b><br><b>84.24 V/m</b> |

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/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 (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

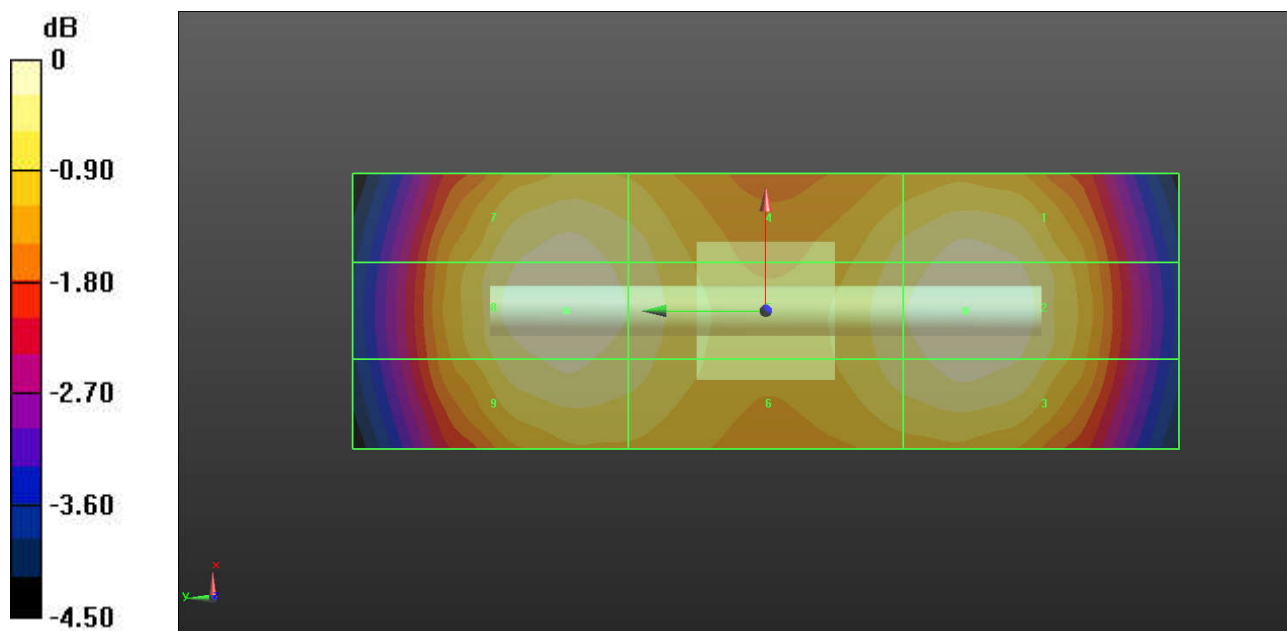
**PMF scaled E-field**

|                                      |                                      |                                      |
|--------------------------------------|--------------------------------------|--------------------------------------|
| <b>Grid 1 M3</b><br><b>85.44 V/m</b> | <b>Grid 2 M3</b><br><b>88.63 V/m</b> | <b>Grid 3 M3</b><br><b>87.32 V/m</b> |
| <b>Grid 4 M3</b><br><b>82.85 V/m</b> | <b>Grid 5 M3</b><br><b>84.75 V/m</b> | <b>Grid 6 M3</b><br><b>83.81 V/m</b> |
| <b>Grid 7 M3</b><br><b>83.69 V/m</b> | <b>Grid 8 M3</b><br><b>86.19 V/m</b> | <b>Grid 9 M3</b><br><b>85.76 V/m</b> |

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/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 (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

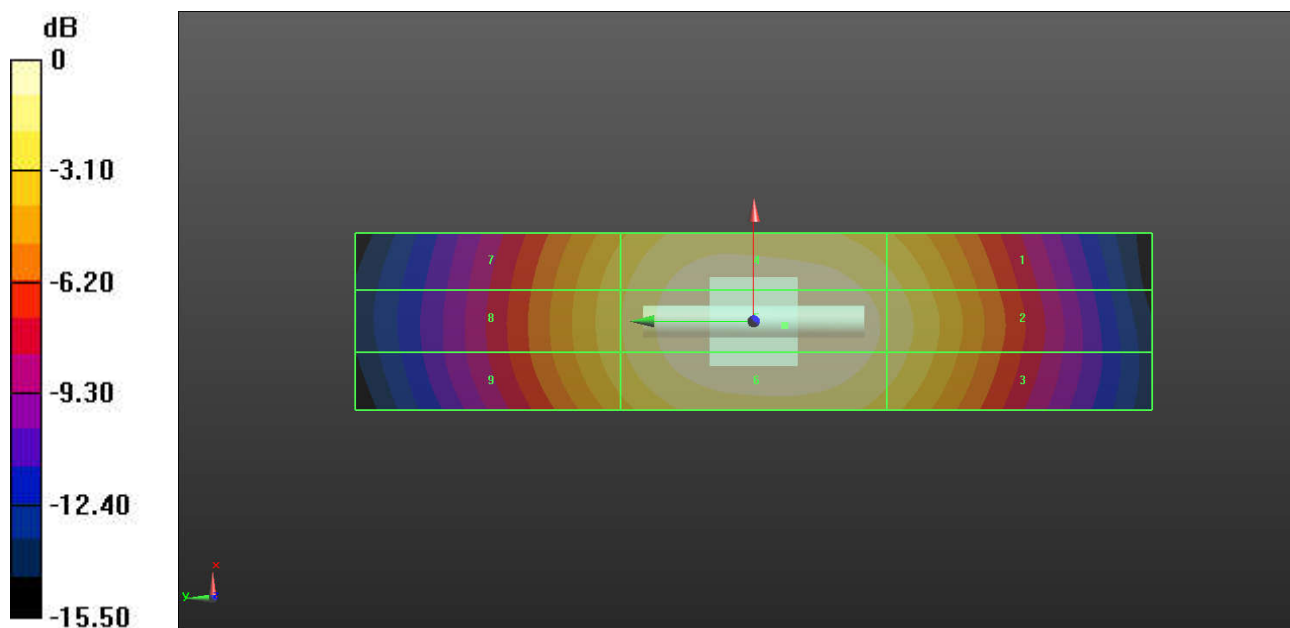
PMF scaled E-field

|                                      |                                      |                                      |
|--------------------------------------|--------------------------------------|--------------------------------------|
| Grid 1 <b>M3</b><br><b>89.14 V/m</b> | Grid 2 <b>M3</b><br><b>92.13 V/m</b> | Grid 3 <b>M3</b><br><b>90.11 V/m</b> |
| Grid 4 <b>M3</b><br><b>102.3 V/m</b> | Grid 5 <b>M3</b><br><b>107.2 V/m</b> | Grid 6 <b>M3</b><br><b>105.5 V/m</b> |
| Grid 7 <b>M3</b><br><b>84.49 V/m</b> | Grid 8 <b>M3</b><br><b>89.65 V/m</b> | Grid 9 <b>M3</b><br><b>82.81 V/m</b> |

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