

**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: 2021/1/25

- Sensor-Surface: (Fix Surface)

- Electronics: DAE4 Sn699; Calibrated: 2021/2/16

- 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 = 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 = 124.3 V/m; Power Drift = 0.02 dB

PMR not calibrated. PMF = 1.000 is applied.

E-field emissions = 115.3 V/m

Average value of Total=(114.4+115.3) / 2 = 114.85 V/m

**PMF scaled E-field**

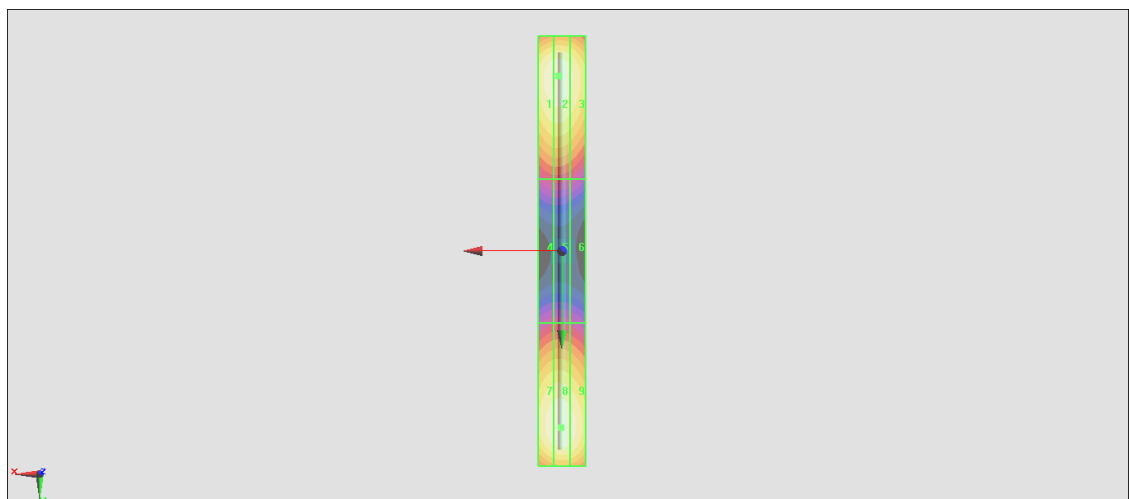
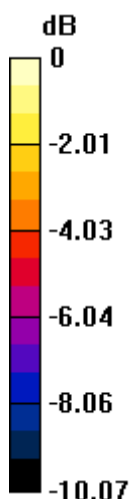
|                                      |                                      |                                      |
|--------------------------------------|--------------------------------------|--------------------------------------|
| <b>Grid 1 M4</b><br><b>113.6 V/m</b> | <b>Grid 2 M4</b><br><b>114.4 V/m</b> | <b>Grid 3 M4</b><br><b>109.2 V/m</b> |
| <b>Grid 4 M4</b><br><b>64.54 V/m</b> | <b>Grid 5 M4</b><br><b>64.70 V/m</b> | <b>Grid 6 M4</b><br><b>61.72 V/m</b> |
| <b>Grid 7 M4</b><br><b>113.4 V/m</b> | <b>Grid 8 M4</b><br><b>115.3 V/m</b> | <b>Grid 9 M4</b><br><b>111.6 V/m</b> |

**Cursor:**

Total = 115.3 V/m

E Category: M4

Location: 0.5, 74, 8.7 mm



0 dB = 115.3 V/m = 41.24 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: 2021/1/25
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn699; Calibrated: 2021/2/16
- 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 = 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 = 156.9 V/m; Power Drift = 0.01 dB

PMR not calibrated. PMF = 1.000 is applied.

E-field emissions = 88.49 V/m

Average value of Total=(88.49+87.28) / 2 = 87.885 V/m

**PMF scaled E-field**

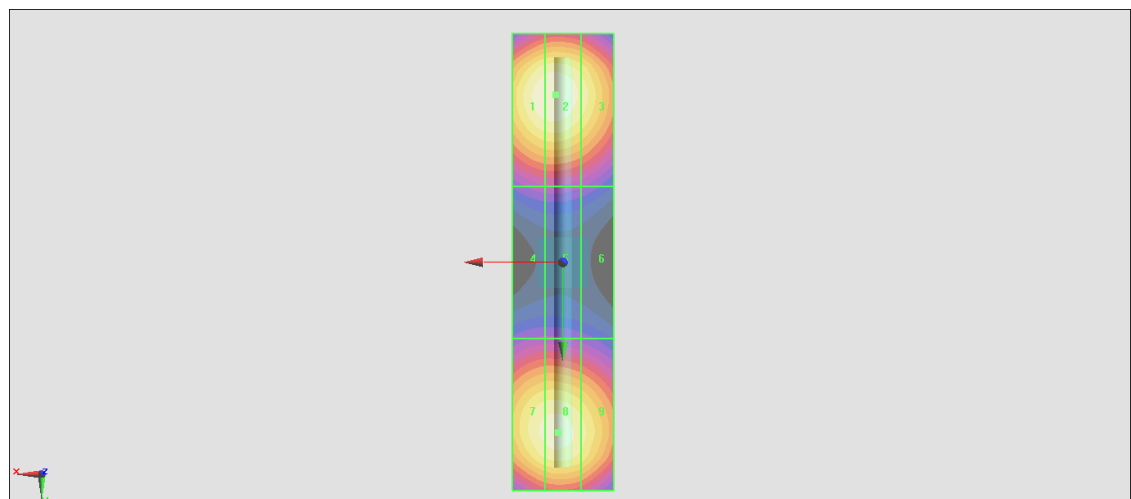
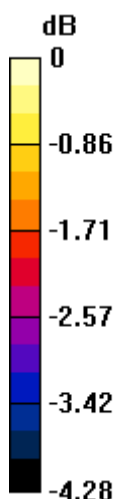
|                                      |                                      |                                      |
|--------------------------------------|--------------------------------------|--------------------------------------|
| Grid 1 <b>M3</b><br><b>88.18 V/m</b> | Grid 2 <b>M3</b><br><b>88.49 V/m</b> | Grid 3 <b>M3</b><br><b>85.07 V/m</b> |
| Grid 4 <b>M3</b><br><b>65.63 V/m</b> | Grid 5 <b>M3</b><br><b>65.74 V/m</b> | Grid 6 <b>M3</b><br><b>64.28 V/m</b> |
| Grid 7 <b>M3</b><br><b>86.57 V/m</b> | Grid 8 <b>M3</b><br><b>87.28 V/m</b> | Grid 9 <b>M3</b><br><b>84.39 V/m</b> |

**Cursor:**

Total = 88.49 V/m

E Category: M3

Location: 1.5, -33, 9.7 mm



0 dB = 88.49 V/m = 38.94 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: 2021/1/25
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn699; Calibrated: 2021/2/16
- 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 = 10mm & 15mm**

**2/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 = 83.28 V/m; Power Drift = 0.01 dB

PMR not calibrated. PMF = 1.000 is applied.

E-field emissions = 88.10 V/m

Average value of Total=(86.38+88.1) / 2 = 87.24 V/m

**PMF scaled E-field**

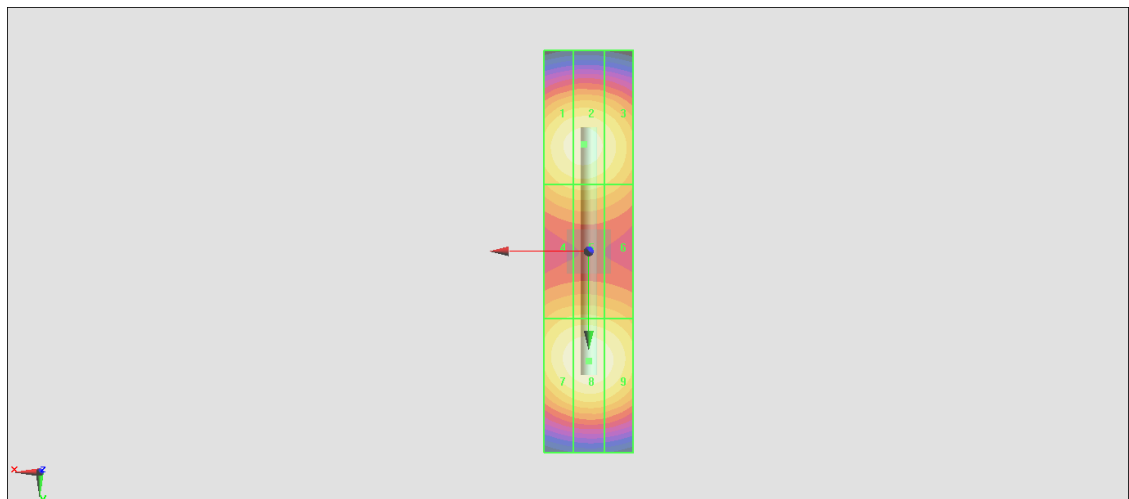
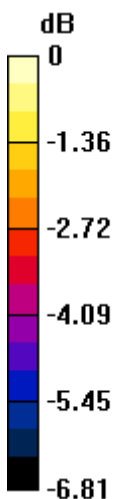
|                                      |                                      |                                      |
|--------------------------------------|--------------------------------------|--------------------------------------|
| <b>Grid 1 M3</b><br><b>85.68 V/m</b> | <b>Grid 2 M3</b><br><b>86.38 V/m</b> | <b>Grid 3 M3</b><br><b>83.16 V/m</b> |
| <b>Grid 4 M3</b><br><b>77.04 V/m</b> | <b>Grid 5 M3</b><br><b>77.50 V/m</b> | <b>Grid 6 M3</b><br><b>75.57 V/m</b> |
| <b>Grid 7 M3</b><br><b>86.39 V/m</b> | <b>Grid 8 M3</b><br><b>88.10 V/m</b> | <b>Grid 9 M3</b><br><b>86.12 V/m</b> |

**Cursor:**

Total = 88.10 V/m

E Category: M3

Location: 0, 24.5, 9.7 mm



0 dB = 88.10 V/m = 38.90 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: 2021/1/25
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn699; Calibrated: 2021/2/16
- 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 = 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 = 72.52 V/m; Power Drift = -0.01 dB

PMR not calibrated. PMF = 1.000 is applied.

E-field emissions = 87.46 V/m

Average value of Total=(87.46+87.42) / 2 = 87.44 V/m

**PMF scaled E-field**

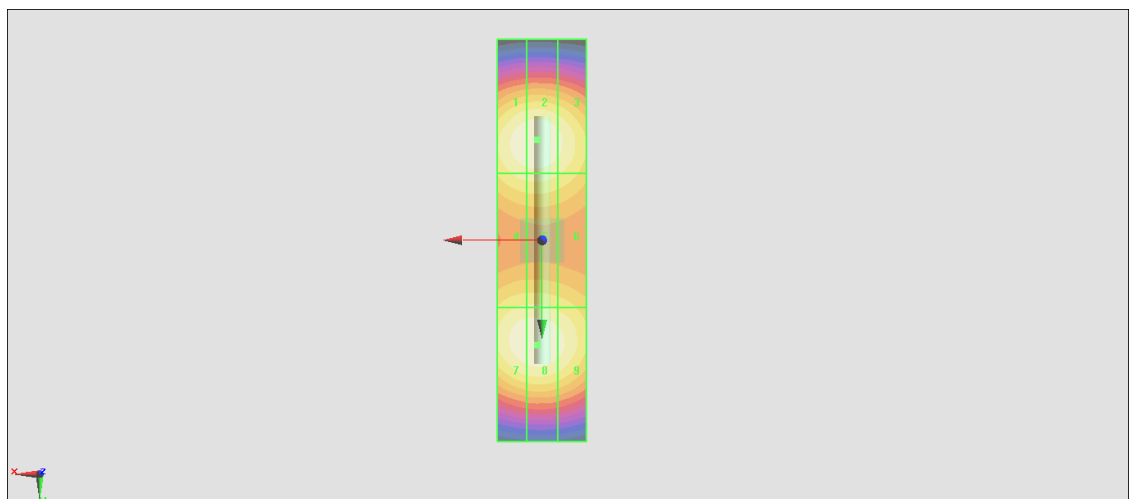
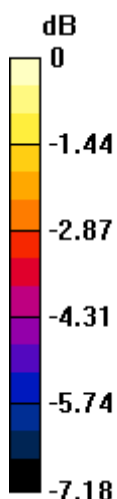
|                                      |                                      |                                      |
|--------------------------------------|--------------------------------------|--------------------------------------|
| <b>Grid 1 M3</b><br><b>86.71 V/m</b> | <b>Grid 2 M3</b><br><b>87.46 V/m</b> | <b>Grid 3 M3</b><br><b>84.19 V/m</b> |
| <b>Grid 4 M3</b><br><b>80.89 V/m</b> | <b>Grid 5 M3</b><br><b>81.30 V/m</b> | <b>Grid 6 M3</b><br><b>79.01 V/m</b> |
| <b>Grid 7 M3</b><br><b>86.79 V/m</b> | <b>Grid 8 M3</b><br><b>87.42 V/m</b> | <b>Grid 9 M3</b><br><b>84.66 V/m</b> |

**Cursor:**

Total = 87.46 V/m

E Category: M3

Location: 1, -22.5, 9.7 mm



0 dB = 87.46 V/m = 38.84 dBV/m

**HAC\_E\_Dipole\_3500****DUT: HAC Dipole 3500 MHz**

Communication System: CW; 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 : 23.5 °C

**DASY5 Configuration**

- Probe: EF3DV3 - SN4047; ConvF(1, 1, 1) @ 3500 MHz; Calibrated: 2021/1/25
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn699; Calibrated: 2021/2/16
- 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 = 10mm & 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 = 38.06 V/m; Power Drift = -0.03 dB

PMR not calibrated. PMF = 1.000 is applied.

E-field emissions = 88.48 V/m

Average value of Total =  $(88.48 + 87.36) / 2 = 87.92$  V/m

**PMF scaled E-field**

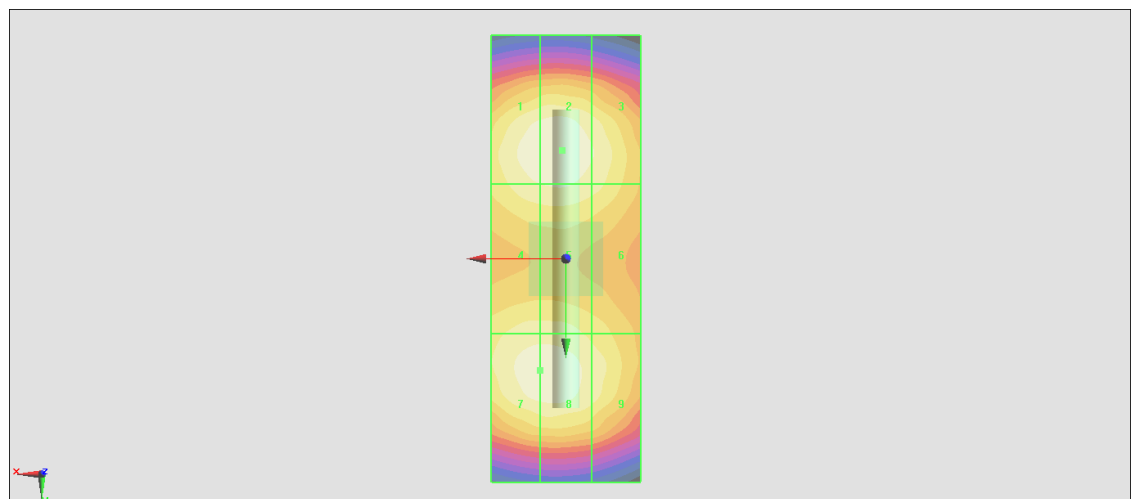
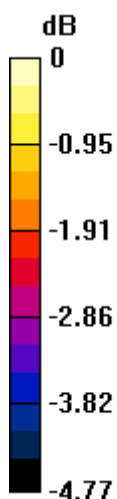
|                                      |                                      |                                      |
|--------------------------------------|--------------------------------------|--------------------------------------|
| Grid 1 <b>M3</b><br><b>87.79 V/m</b> | Grid 2 <b>M3</b><br><b>88.48 V/m</b> | Grid 3 <b>M3</b><br><b>85.58 V/m</b> |
| Grid 4 <b>M3</b><br><b>85.25 V/m</b> | Grid 5 <b>M3</b><br><b>85.73 V/m</b> | Grid 6 <b>M3</b><br><b>83.62 V/m</b> |
| Grid 7 <b>M3</b><br><b>87.36 V/m</b> | Grid 8 <b>M3</b><br><b>87.36 V/m</b> | Grid 9 <b>M3</b><br><b>84.30 V/m</b> |

**Cursor:**

Total = 88.48 V/m

E Category: M3

Location: 0.5, -14.5, 9.7 mm



0 dB = 88.48 V/m = 38.94 dBV/m