

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/m³

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 Sn854; Calibrated: 2021/4/8

- 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 = 135.9 V/m; Power Drift = 0.01 dB

PMR not calibrated. PMF = 1.000 is applied.

E-field emissions = 118.5 V/m

Average value of Total= $(118.5 + 113.5) / 2 = 116$ V/m

PMF scaled E-field

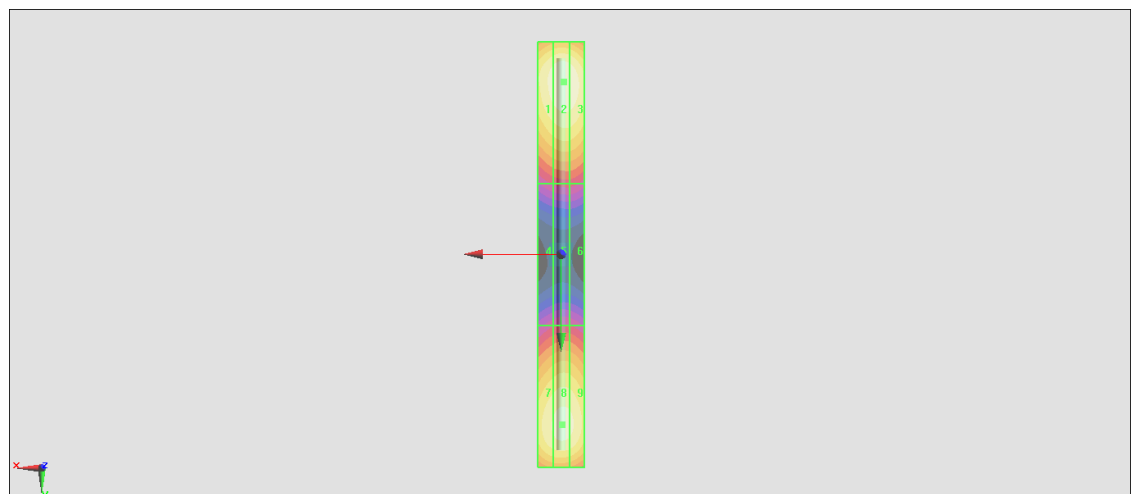
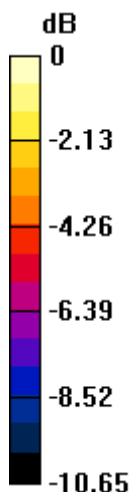
Grid 1 M4 113.7 V/m	Grid 2 M4 118.5 V/m	Grid 3 M4 117.1 V/m
Grid 4 M4 62.47 V/m	Grid 5 M4 64.45 V/m	Grid 6 M4 64.35 V/m
Grid 7 M4 110.1 V/m	Grid 8 M4 113.5 V/m	Grid 9 M4 112.0 V/m

Cursor:

Total = 118.5 V/m

E Category: M4

Location: -1, -73, 9.7 mm



0 dB = 118.5 V/m = 41.47 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/m³

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 Sn854; Calibrated: 2021/4/8

- 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 = 164.8 V/m; Power Drift = -0.02 dB

PMR not calibrated. PMF = 1.000 is applied.

E-field emissions = 91.27 V/m

Average value of Total = $(91.27 + 90.2) / 2 = 90.735$ V/m

PMF scaled E-field

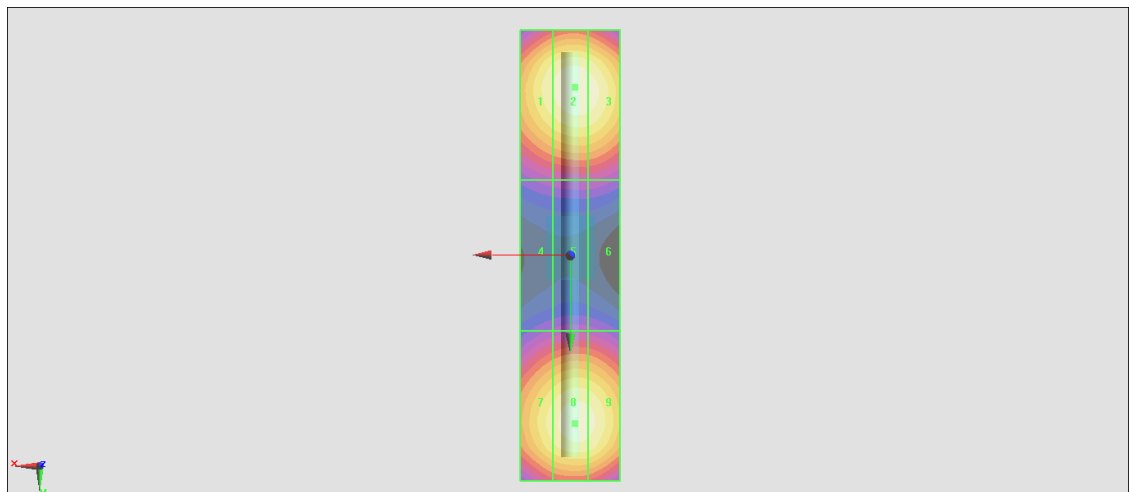
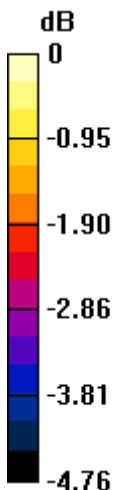
Grid 1 M3 88.29 V/m	Grid 2 M3 91.27 V/m	Grid 3 M3 90.52 V/m
Grid 4 M3 65.20 V/m	Grid 5 M3 66.22 V/m	Grid 6 M3 66.17 V/m
Grid 7 M3 86.81 V/m	Grid 8 M3 90.20 V/m	Grid 9 M3 89.56 V/m

Cursor:

Total = 91.27 V/m

E Category: M3

Location: -1, -33.5, 9.7 mm



0 dB = 91.27 V/m = 39.21 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/m³
 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 Sn854; Calibrated: 2021/4/8
- 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

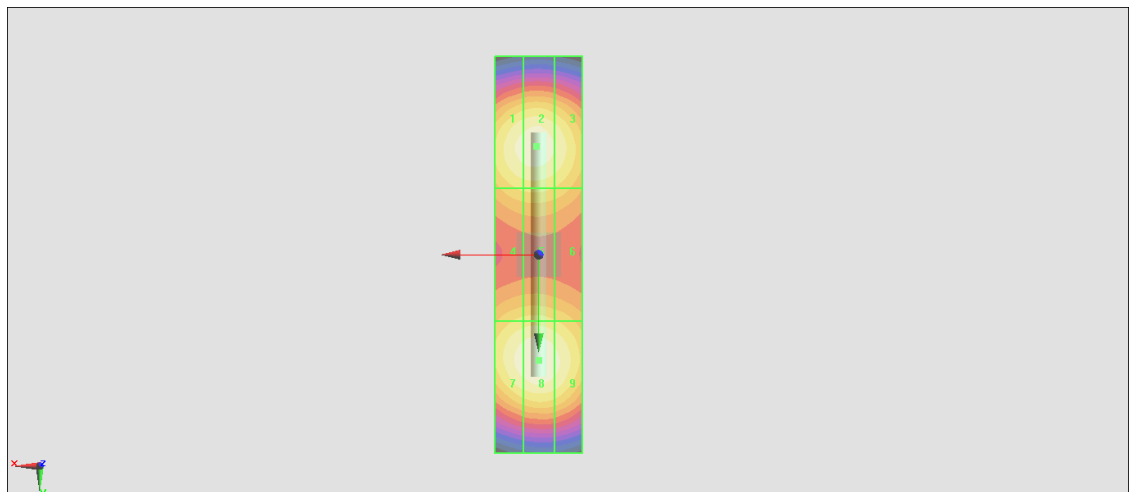
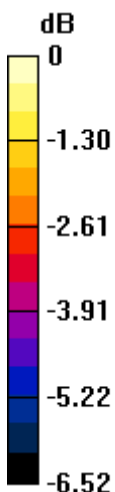
Device Reference Point: 0, 0, -6.3 mm
 Reference Value = 85.96 V/m; Power Drift = 0.01 dB
 PMR not calibrated. PMF = 1.000 is applied.
 E-field emissions = 91.66 V/m
 Average value of Total=(90.4 + 91.66) / 2 = 91.03 V/m

PMF scaled E-field

Grid 1 M3 89.11 V/m	Grid 2 M3 90.40 V/m	Grid 3 M3 87.34 V/m
Grid 4 M3 80.56 V/m	Grid 5 M3 81.26 V/m	Grid 6 M3 79.51 V/m
Grid 7 M3 89.80 V/m	Grid 8 M3 91.66 V/m	Grid 9 M3 89.00 V/m

Cursor:

Total = 91.66 V/m
 E Category: M3
 Location: 0, 24, 9.7 mm



0 dB = 91.66 V/m = 39.24 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: $\sigma = 0 \text{ S/m}$, $\epsilon_r = 1$; $\rho = 0 \text{ kg/m}^3$

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 Sn854; Calibrated: 2021/4/8

- 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:

$dx=0.5000 \text{ mm}$, $dy=0.5000 \text{ mm}$

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 70.12 V/m; Power Drift = -0.02 dB

PMR not calibrated. PMF = 1.000 is applied.

E-field emissions = 87.75 V/m

Average value of Total = $(86.57 + 87.75) / 2 = 87.16 \text{ V/m}$

PMF scaled E-field

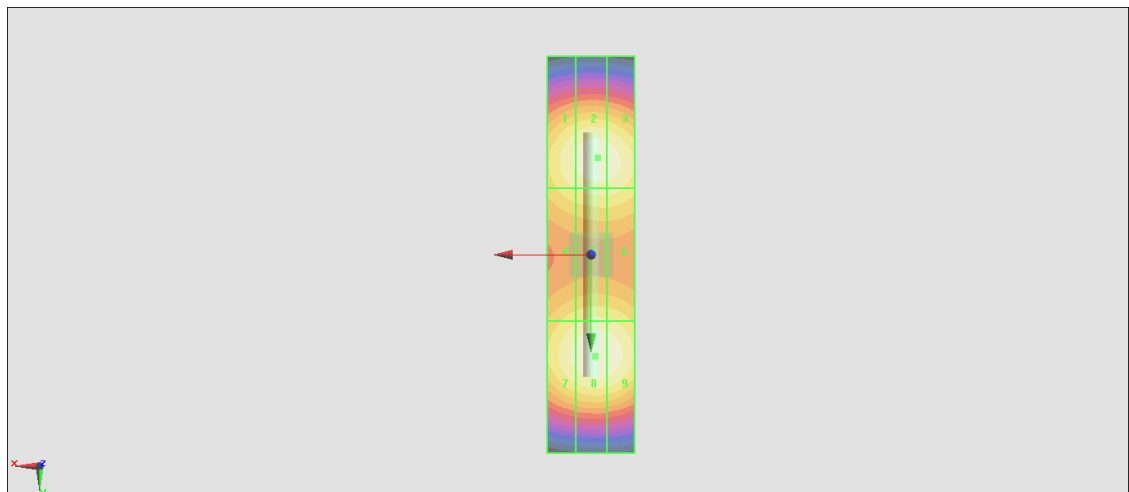
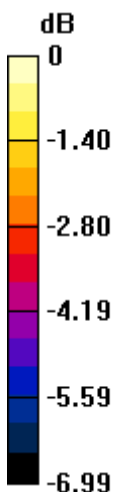
Grid 1 M3 83.76 V/m	Grid 2 M3 86.57 V/m	Grid 3 M3 86.02 V/m
Grid 4 M3 79.09 V/m	Grid 5 M3 81.28 V/m	Grid 6 M3 81.19 V/m
Grid 7 M3 84.57 V/m	Grid 8 M3 87.75 V/m	Grid 9 M3 87.12 V/m

Cursor:

Total = 87.75 V/m

E Category: M3

Location: -1, 23, 9.7 mm



0 dB = 87.75 V/m = 38.86 dBV/m

HAC_E_Dipole_5500

DUT: HAC Dipole 5500 MHz

Communication System: CW; Frequency: 5500 MHz; Duty Cycle: 1:1

Medium: Air Medium parameters used: $\sigma = 0$ S/m, $\epsilon_r = 1$; $\rho = 0$ kg/m³

Ambient Temperature : 23.5 °C

DASY5 Configuration

- Probe: EF3DV3 - SN4047; ConvF(1, 1, 1) @ 5500 MHz; Calibrated: 2021/1/25

- Sensor-Surface: (Fix Surface)

- Electronics: DAE4 Sn854; Calibrated: 2021/4/8

- 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 = 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 = 30.47 V/m; Power Drift = 0.13 dB

PMR not calibrated. PMF = 1.000 is applied.

E-field emissions = 119.9 V/m

Average value of Total=(96.32 + 99.23) / 2 = 97.775 V/m

PMF scaled E-field

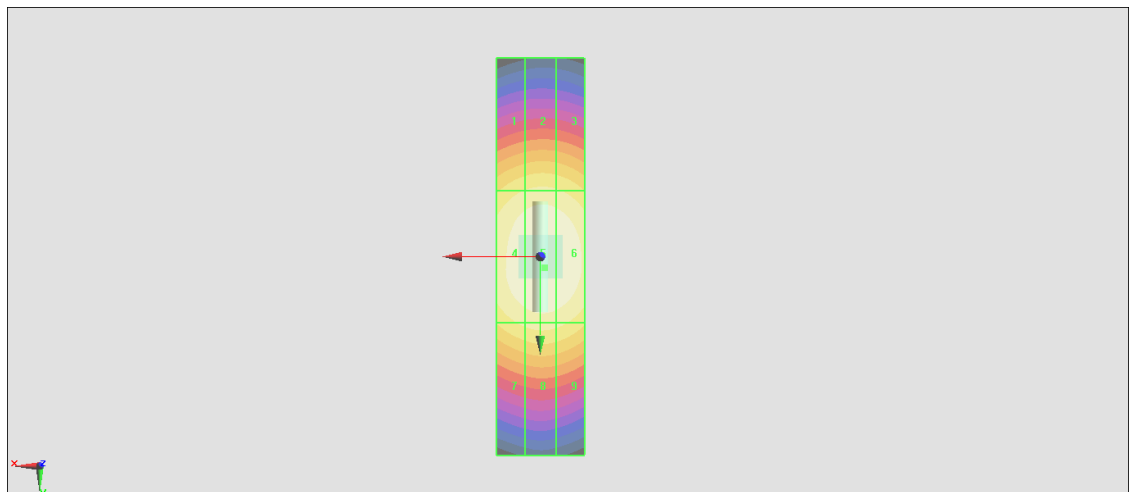
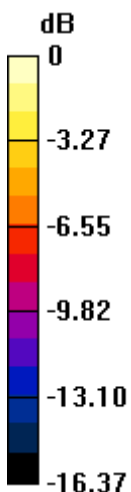
Grid 1 M3 93.65 V/m	Grid 2 M3 96.32 V/m	Grid 3 M3 94.78 V/m
Grid 4 M2 115.5 V/m	Grid 5 M2 119.9 V/m	Grid 6 M2 118.4 V/m
Grid 7 M3 96.26 V/m	Grid 8 M3 99.23 V/m	Grid 9 M3 97.37 V/m

Cursor:

Total = 119.9 V/m

E Category: M2

Location: -1, 2.5, 9.7 mm



0 dB = 119.9 V/m = 41.58 dBV/m