

Test Laboratory: Compliance Certification Services

HAC_E_CD1880V3

DUT: HAC Dipole 1880 MHz; Type: CD1880V3; Serial: 1010

Communication System: System Check Signal - CW; Frequency: 1880 MHz; Duty Cycle: 1:1

Medium parameters used: $\sigma = 0$ mho/m, $\epsilon_r = 1$; $\rho = 1000$ kg/m³

Phantom section: RF Section

DASY4 Configuration:

- Probe: ER3DV6 - SN2339; ConvF(1, 1, 1); Calibrated: 2/16/2010

- Sensor-Surface: (Fix Surface)

- Electronics: DAE3 Sn500; Calibrated: 9/15/2009

- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA; Serial: 100x

- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

E Scan - measurement distance from the probe sensor center to CD1880 Dipole = 10mm/Hearing Aid Compatibility Test (41x181x1): Measurement grid: dx=5mm, dy=5mm

Maximum value of peak Total field = 132.3 V/m

Probe Modulation Factor = 1.00

Device Reference Point: 0.000, 0.000, -6.30 mm

Reference Value = 138.6 V/m; Power Drift = 0.003 dB

Hearing Aid Near-Field Category: M2 (AWF 0 dB)

Peak E-field in V/m

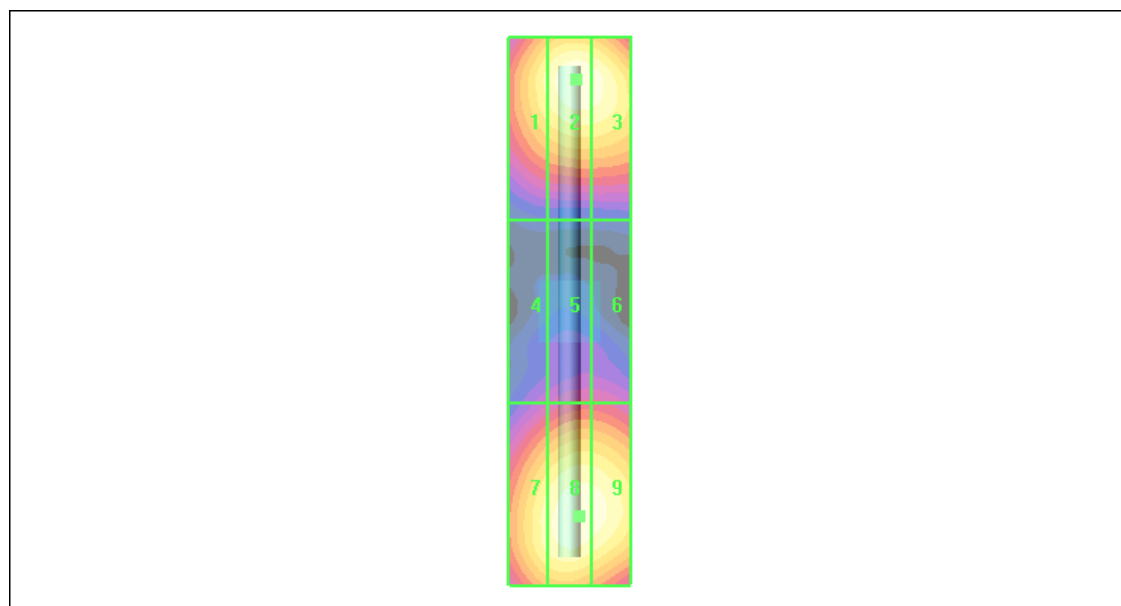
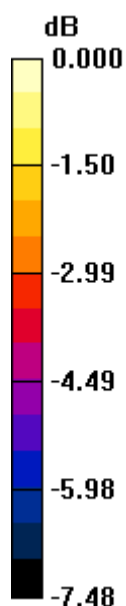
Grid 1 121.3 M2	Grid 2 132.3 M2	Grid 3 130.3 M2
Grid 4 79.1 M3	Grid 5 85.4 M3	Grid 6 85.4 M3
Grid 7 123.0 M2	Grid 8 130.8 M2	Grid 9 129.5 M2

Cursor:

Total = 132.3 V/m

E Category: M2

Location: -1, -38, 4.7 mm



0 dB = 132.3V/m

Test Laboratory: Compliance Certification Services

HAC_E_CD835V3

DUT: HAC-Dipole 835 MHz; Type: D835V3; Serial: 1014

Communication System: System Check Signal - CW; Frequency: 835 MHz; Duty Cycle: 1:1

Medium parameters used: $\sigma = 0$ mho/m, $\epsilon_r = 1$; $\rho = 1000$ kg/m³

Phantom section: RF Section

DASY4 Configuration:

- Probe: ER3DV6 - SN2339; ConvF(1, 1, 1); Calibrated: 2/16/2010

- Sensor-Surface: (Fix Surface)

- Electronics: DAE3 Sn500; Calibrated: 9/15/2009

- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA; Serial: 100x

- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

E Scan - measurement distance from the probe sensor center to CD835V3 = 10 mm/Hearing Aid Compatibility Test (41x361x1): Measurement grid: dx=5mm, dy=5mm

Maximum value of peak Total field = 168.7 V/m

Probe Modulation Factor = 1.00

Device Reference Point: 0.000, 0.000, -6.30 mm

Reference Value = 120.2 V/m; Power Drift = 0.011 dB

Hearing Aid Near-Field Category: M4 (AWF 0 dB)

Peak E-field in V/m

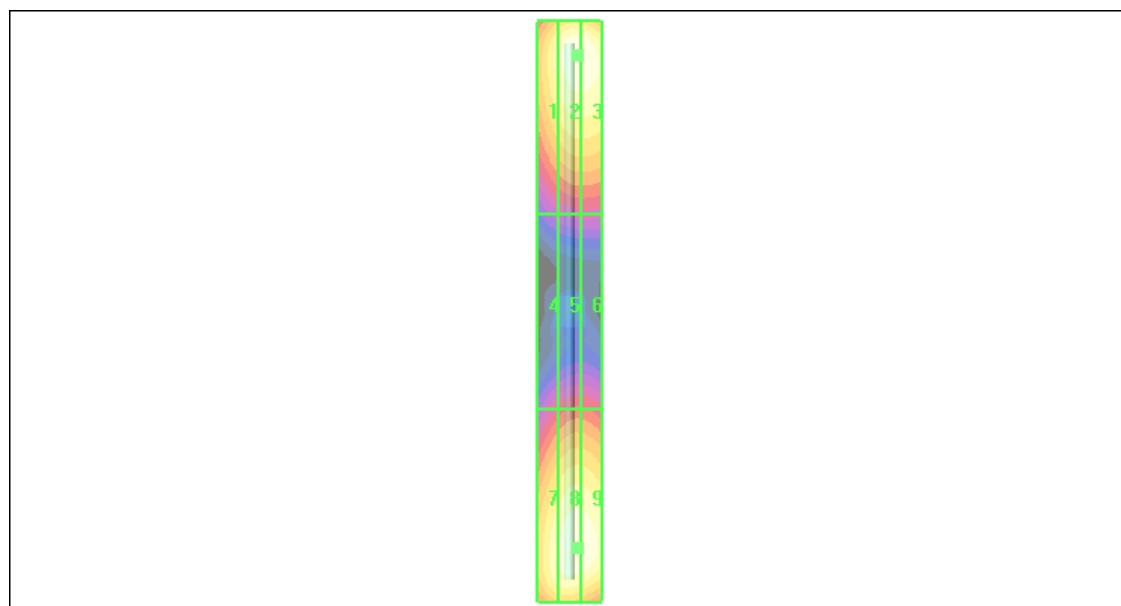
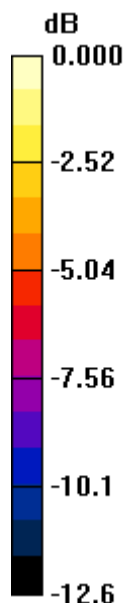
Grid 1 147.6 M4	Grid 2 168.7 M4	Grid 3 168.4 M4
Grid 4 80.0 M4	Grid 5 87.5 M4	Grid 6 87.3 M4
Grid 7 154.3 M4	Grid 8 167.2 M4	Grid 9 167.0 M4

Cursor:

Total = 168.7 V/m

E Category: M4

Location: -2.5, -79.5, 4.7 mm



0 dB = 168.7V/m

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HAC_H3DV6_Dipole CD1880V3

DUT: HAC Dipole 1880 MHz; Type: CD1880V3; Serial: 1010

Communication System: System Check Signal - CW; Frequency: 1880 MHz; Duty Cycle: 1:1

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

Phantom section: RF Section

DASY4 Configuration:

- Probe: H3DV6 - SN6157; ; Calibrated: 2/16/2010
- Sensor-Surface: (Fix Surface)
- Electronics: DAE3 Sn500; Calibrated: 9/15/2009
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA; Serial: 100x
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

H Scan - measurement distance from the probe sensor center to CD1880 Dipole = 10mm/Hearing Aid Compatibility Test (41x181x1): Measurement grid: dx=5mm, dy=5mm

Maximum value of peak Total field = 0.451 A/m

Probe Modulation Factor = 1.00

Device Reference Point: 0.000, 0.000, -6.30 mm

Reference Value = 0.477 A/m; Power Drift = -0.005 dB

Hearing Aid Near-Field Category: M2 (AWF 0 dB)

Peak H-field in A/m

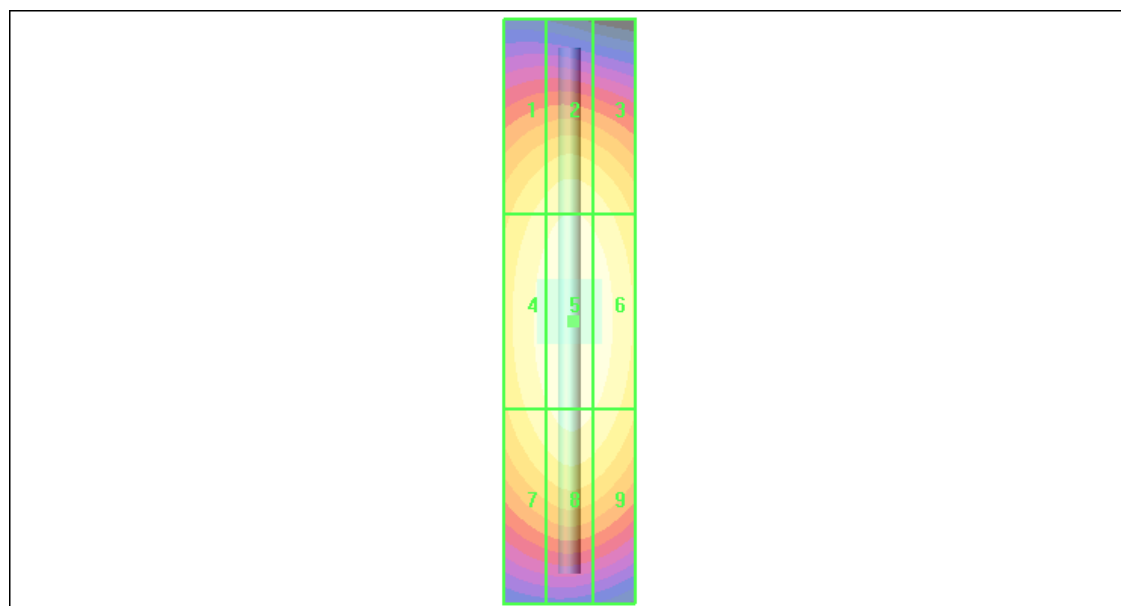
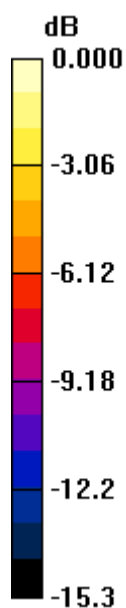
Grid 1 0.379 M2	Grid 2 0.402 M2	Grid 3 0.387 M2
Grid 4 0.425 M2	Grid 5 0.451 M2	Grid 6 0.436 M2
Grid 7 0.396 M2	Grid 8 0.422 M2	Grid 9 0.405 M2

Cursor:

Total = 0.451 A/m

H Category: M2

Location: -0.5, 1.5, 4.7 mm



0 dB = 0.451 A/m

Test Laboratory: Compliance Certification Services

HAC_H3DV6_Dipole CD835V3

DUT: HAC-Dipole 835 MHz; Type: D835V3; Serial: 1014

Communication System: System Check Signal - CW; Frequency: 835 MHz; Duty Cycle: 1:1

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

Phantom section: RF Section

DASY4 Configuration:

- Probe: H3DV6 - SN6157; ; Calibrated: 2/16/2010

- Sensor-Surface: (Fix Surface)

- Electronics: DAE3 Sn500; Calibrated: 9/15/2009

- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA; Serial: 100x

- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

H Scan - measurement distance from the probe sensor center to CD835 Dipole = 10mm/Hearing Aid Compatibility Test (41x361x1): Measurement grid: dx=5mm, dy=5mm

Maximum value of peak Total field = 0.482 A/m

Probe Modulation Factor = 1.00

Device Reference Point: 0.000, 0.000, -6.30 mm

Reference Value = 0.512 A/m; Power Drift = 0.000 dB

Hearing Aid Near-Field Category: M4 (AWF 0 dB)

Peak H-field in A/m

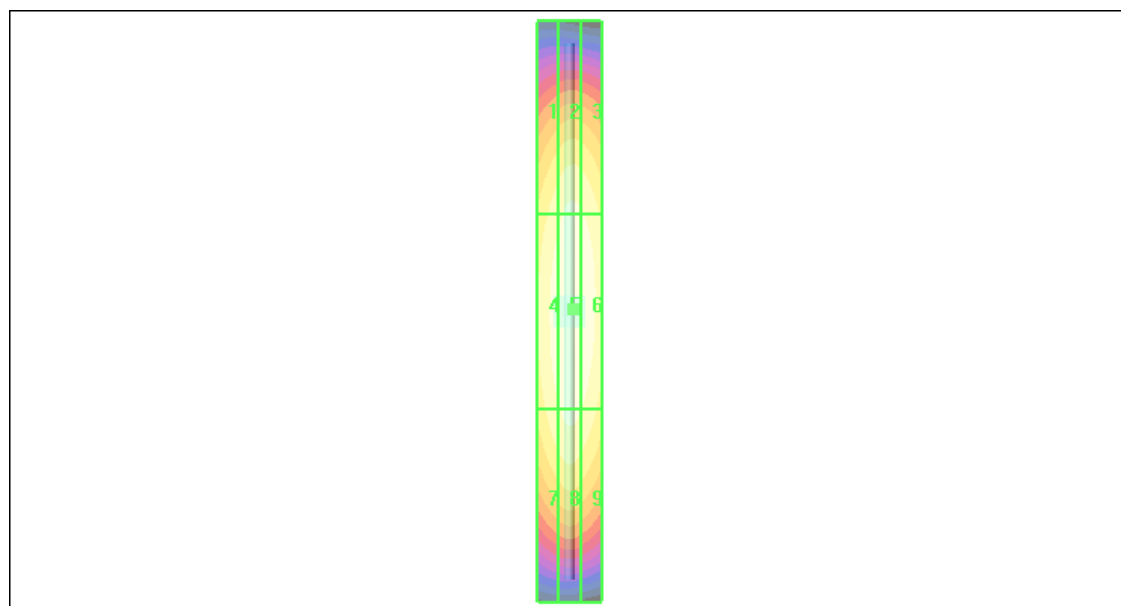
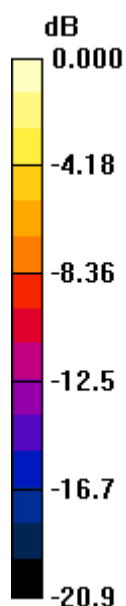
Grid 1 0.395 M4	Grid 2 0.430 M4	Grid 3 0.419 M4
Grid 4 0.448 M4	Grid 5 0.482 M4	Grid 6 0.468 M4
Grid 7 0.405 M4	Grid 8 0.432 M4	Grid 9 0.413 M4

Cursor:

Total = 0.482 A/m

H Category: M4

Location: -1, -0.5, 4.7 mm



0 dB = 0.482A/m