

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: 2/9/2009

- 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 = 127.8 V/m

Probe Modulation Factor = 1.00

Device Reference Point: 0.000, 0.000, -6.30 mm

Reference Value = 125.5 V/m; Power Drift = -0.012 dB

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

Peak E-field in V/m

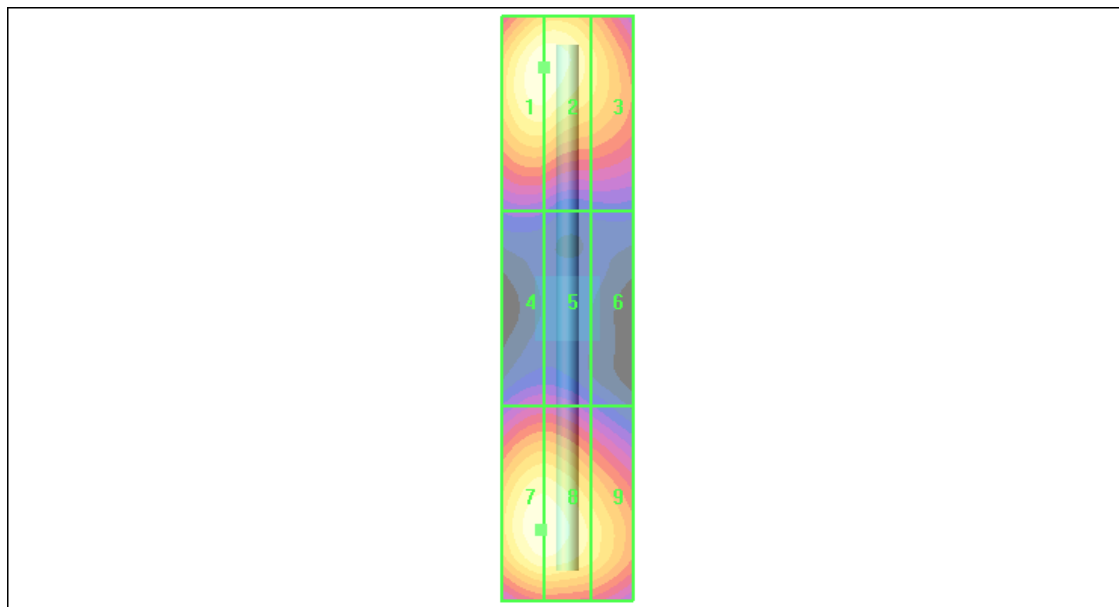
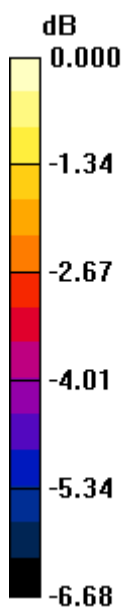
Grid 1 127.1 M2	Grid 2 127.1 M2	Grid 3 113.2 M2
Grid 4 81.8 M3	Grid 5 81.8 M3	Grid 6 73.6 M3
Grid 7 127.8 M2	Grid 8 127.7 M2	Grid 9 114.5 M2

Cursor:

Total = 127.8 V/m

E Category: M2

Location: 4, 34, 4.7 mm



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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: 2/9/2009

- 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 = 172.3 V/m

Probe Modulation Factor = 1.00

Device Reference Point: 0.000, 0.000, -6.30 mm

Reference Value = 110.5 V/m; Power Drift = -0.047 dB

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

Peak E-field in V/m

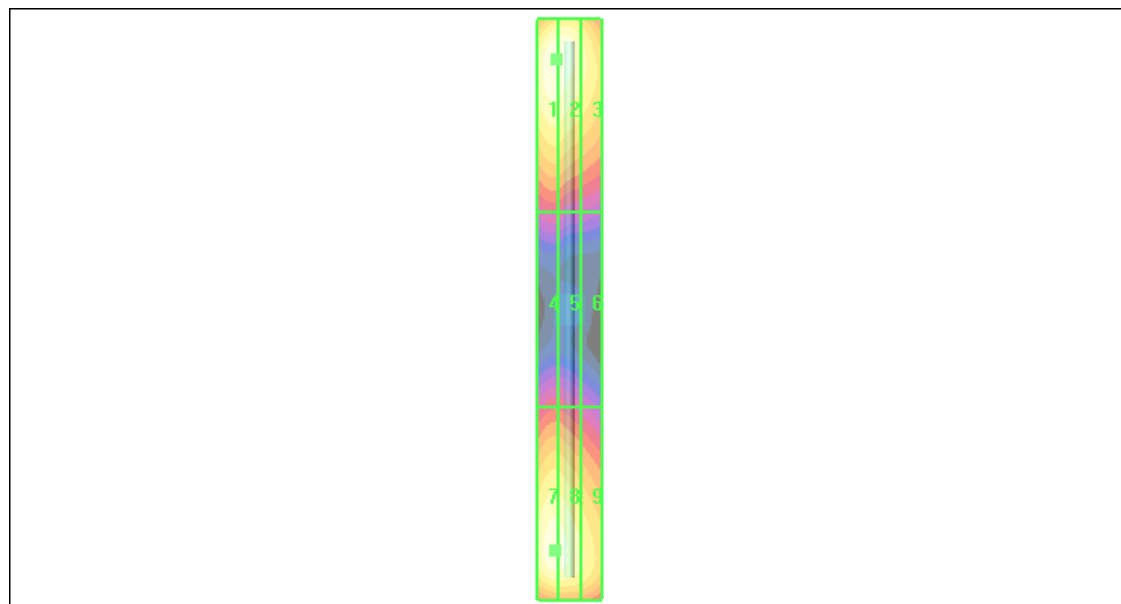
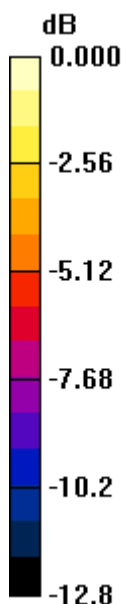
Grid 1 172.3 M4	Grid 2 172.2 M4	Grid 3 148.9 M4
Grid 4 85.2 M4	Grid 5 85.1 M4	Grid 6 73.8 M4
Grid 7 167.3 M4	Grid 8 166.5 M4	Grid 9 145.1 M4

Cursor:

Total = 172.3 V/m

E Category: M4

Location: 4, -77.5, 4.7 mm



0 dB = 172.3V/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: 2/10/2009
- 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 = 0.446 A/m

Probe Modulation Factor = 1.00

Device Reference Point: 0.000, 0.000, -6.30 mm

Reference Value = 0.473 A/m; Power Drift = -0.009 dB

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

Peak H-field in A/m

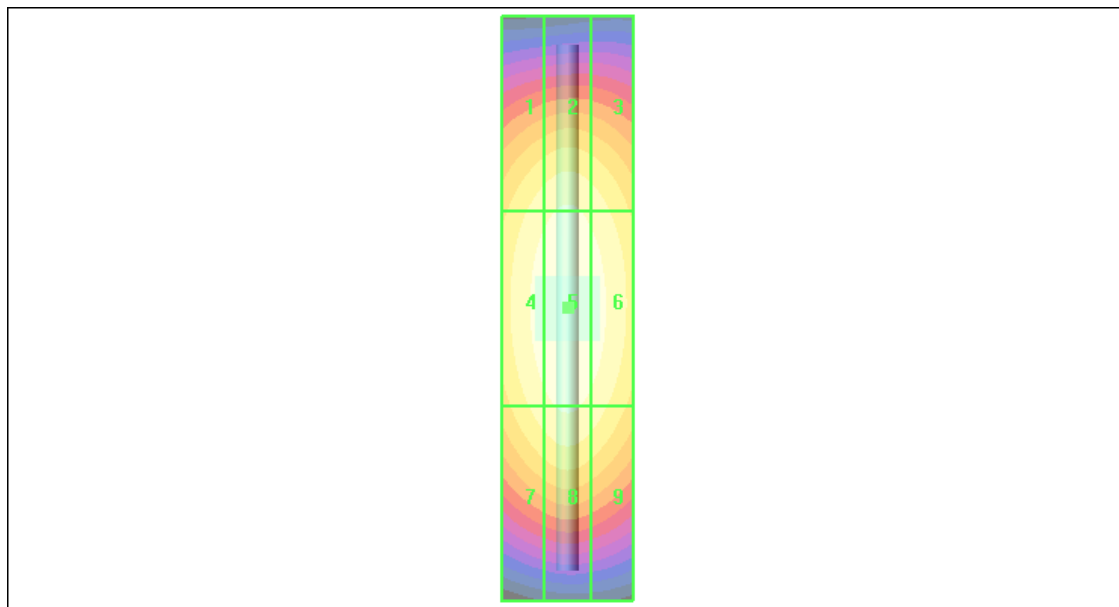
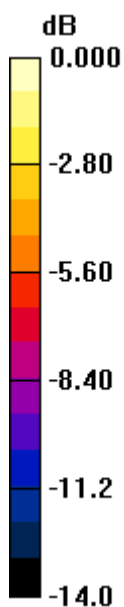
Grid 1 0.388 M2	Grid 2 0.407 M2	Grid 3 0.389 M2
Grid 4 0.425 M2	Grid 5 0.446 M2	Grid 6 0.426 M2
Grid 7 0.387 M2	Grid 8 0.408 M2	Grid 9 0.387 M2

Cursor:

Total = 0.446 A/m

H Category: M2

Location: 0, 0, 4.7 mm



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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: 2/10/2009

- 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 = 0.466 A/m

Probe Modulation Factor = 1.00

Device Reference Point: 0.000, 0.000, -6.30 mm

Reference Value = 0.495 A/m; Power Drift = -0.003 dB

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

Peak H-field in A/m

Grid 1 0.397 M4	Grid 2 0.423 M4	Grid 3 0.405 M4
Grid 4 0.439 M4	Grid 5 0.466 M4	Grid 6 0.446 M4
Grid 7 0.391 M4	Grid 8 0.412 M4	Grid 9 0.390 M4

Cursor:

Total = 0.466 A/m

H Category: M4

Location: -0.5, -4.5, 4.7 mm

