

Test Laboratory: Compliance Certification Services Inc.

HAC_E_Dipole_-835MHz

DUT: HAC-Dipole 835 MHz; Type: D835V3; Serial: 1031

Communication System: CW; Frequency: 835 MHz; Duty Cycle: 1:1

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

Phantom section: E Dipole Section

Measurement Standard: DAS4 (High Precision Assessment)

DASY4 Configuration:

- Probe: ER3DV6 - SN2345; ConvF(1, 1, 1); Calibrated: 6/3/2005
- Sensor-Surface: (Fix Surface)
- Electronics: DAE3 Sn558; Calibrated: 8/24/2004
- Phantom: HAC Test Arch; Type: SD HAC P01 BA; Serial: 1027
- Measurement SW: DAS4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 159

E Scan 10mm above CD 835 MHz/Hearing Aid Compatibility Test (41x361x1): Measurement grid: dx=5mm, dy=5mm

Maximum value of peak Total field = **165.8** V/m

Probe Modulation Factor = 1.00

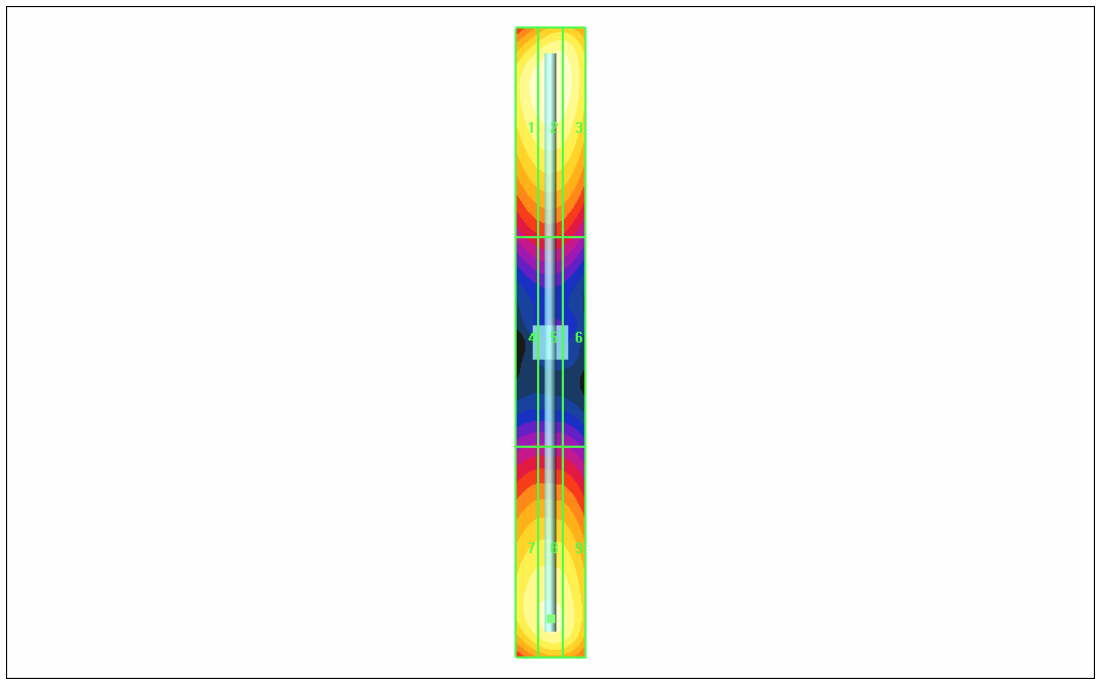
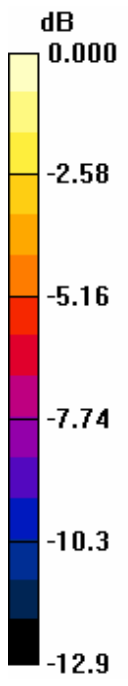
Reference Value = 101.2 V/m; Power Drift = 0.009 dB

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

Peak E-field in V/m

| | | |
|--------------|--------------|--------------|
| Grid 1 | Grid 2 | Grid 3 |
| 160.0 | 165.8 | 161.1 |
| Grid 4 | Grid 5 | Grid 6 |
| 81.3 | 83.3 | 80.7 |
| Grid 7 | Grid 8 | Grid 9 |
| 151.5 | 156.6 | 151.8 |

| Category | AWF (dB) | Limits for E-Field Emissions (V/m) | Limits for H-Field Emissions (A/m) |
|----------|----------|------------------------------------|------------------------------------|
| M1 | 0 | 199.5 - 354.8 | 0.6 - 1.07 |
| | -5 | 149.6 - 266.1 | 0.45 - 0.8 |
| M2 | 0 | 112.2 - 199.5 | 0.34 - 0.6 |
| | -5 | 84.1 - 149.6 | 0.25 - 0.45 |
| M3 | 0 | 63.1 - 112.2 | 0.19 - 0.34 |
| | -5 | 47.3 - 84.1 | 0.15 - 0.25 |
| M4 | 0 | <63.1 | <0.19 |
| | -5 | <47.3 | <0.15 |



0 dB = 165.8V/m

Test Laboratory: Compliance Certification Services Inc.

HAC_E_Dipole_-835MHz(AM 80%)

DUT: HAC-Dipole 835 MHz; Type: D835V3; Serial: 1031

Communication System: AM 80%; Frequency: 835 MHz;Duty Cycle: 1:1

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

Phantom section: E Dipole Section

Measurement Standard: DASYS4 (High Precision Assessment)

DASY4 Configuration:

- Probe: ER3DV6 - SN2345; ConvF(1, 1, 1); Calibrated: 6/3/2005
- Sensor-Surface: (Fix Surface)
- Electronics: DAE3 Sn558; Calibrated: 8/24/2004
- Phantom: HAC Test Arch; Type: SD HAC P01 BA; Serial: 1027
- Measurement SW: DASYS4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 159

E Scan 10mm above CD 835 MHz/Hearing Aid Compatibility Test (41x361x1): Measurement

grid: dx=5mm, dy=5mm

Maximum value of peak Total field = 103.1 V/m

Probe Modulation Factor = 1.00

Reference Value = 64.0 V/m; Power Drift = -0.029 dB

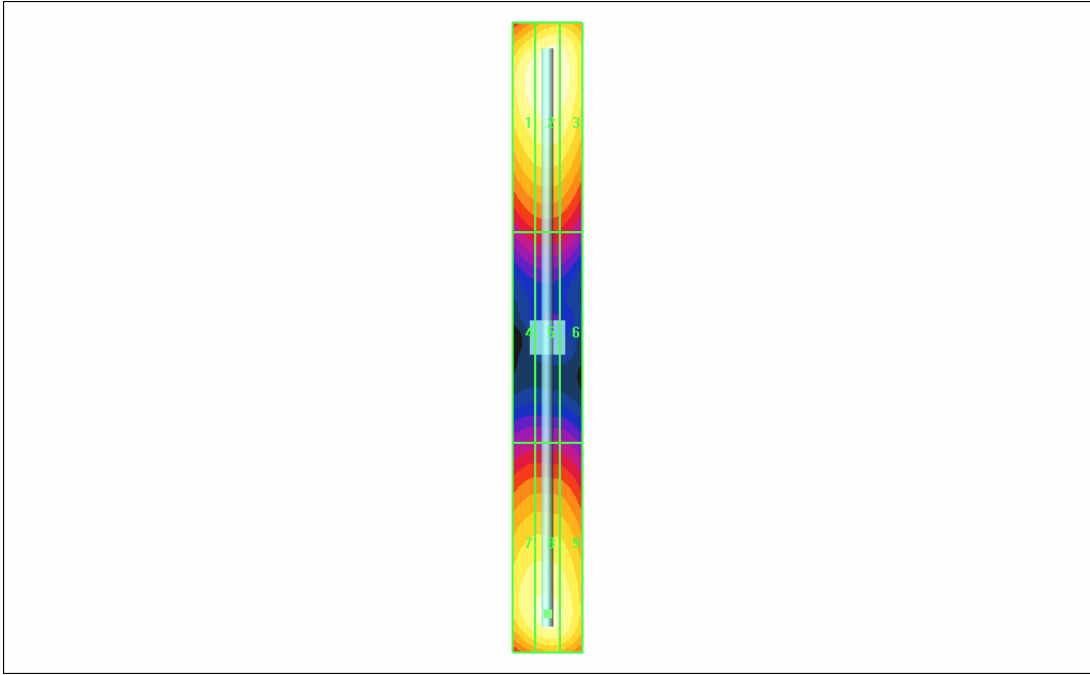
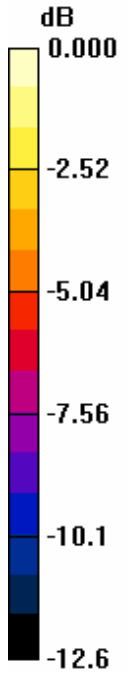
Hearing Aid Near-Field Category: M3 (AWF 0 dB)

Peak E-field in V/m

| | | |
|--------------|--------------|--------------|
| Grid 1 | Grid 2 | Grid 3 |
| 100.3 | 103.1 | 100.8 |
| Grid 4 | Grid 5 | Grid 6 |
| 51.7 | 52.8 | 51.2 |
| Grid 7 | Grid 8 | Grid 9 |
| 95.0 | 97.7 | 95.2 |

| Category | AWF (dB) | Limits for E-Field Emissions (V/m) | Limits for H-Field Emissions (A/m) |
|----------|----------|------------------------------------|------------------------------------|
| M1 | 0 | 199.5 - 354.8 | 0.6 - 1.07 |
| | -5 | 149.6 - 266.1 | 0.45 - 0.8 |
| M2 | 0 | 112.2 - 199.5 | 0.34 - 0.6 |
| | -5 | 84.1 - 149.6 | 0.25 - 0.45 |
| M3 | 0 | 63.1 - 112.2 | 0.19 - 0.34 |
| | -5 | 47.3 - 84.1 | 0.15 - 0.25 |
| M4 | 0 | <63.1 | <0.19 |

| | | | |
|--|----|-------|-------|
| | -5 | <47.3 | <0.15 |
|--|----|-------|-------|



0 dB = 103.1V/m

Test Laboratory: Compliance Certification Services Inc.

HAC_E_Dipole_-835MHz(CDMA)

DUT: HAC-Dipole 835 MHz; Type: D835V3; Serial: 1031

Communication System: CDMA ; Frequency: 835 MHz;Duty Cycle: 1:1

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

Phantom section: E Dipole Section

Measurement Standard: DAS4 (High Precision Assessment)

DASY4 Configuration:

- Probe: ER3DV6 - SN2345; ConvF(1, 1, 1); Calibrated: 6/3/2005
- Sensor-Surface: (Fix Surface)
- Electronics: DAE3 Sn558; Calibrated: 8/24/2004
- Phantom: HAC Test Arch; Type: SD HAC P01 BA; Serial: 1027
- Measurement SW: DAS4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 159

E Scan 10mm above CD 835 MHz/Hearing Aid Compatibility Test (41x361x1): Measurement

grid: dx=5mm, dy=5mm

Maximum value of peak Total field = 164.4 V/m

Probe Modulation Factor = 1.00

Reference Value = 99.7 V/m; Power Drift = 0.009 dB

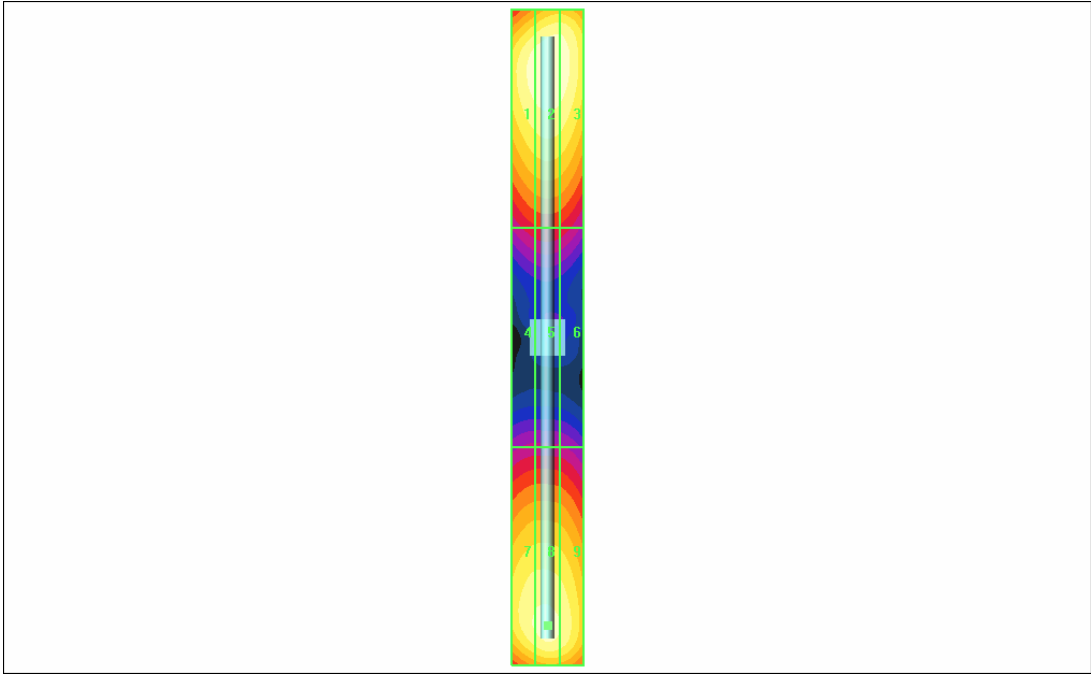
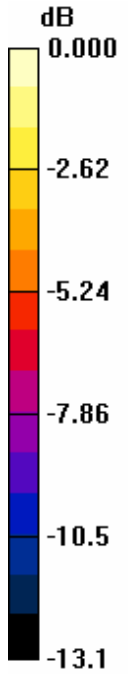
Hearing Aid Near-Field Category: M2 (AWF 0 dB)

Peak E-field in V/m

| | | |
|--------------|--------------|--------------|
| Grid 1 | Grid 2 | Grid 3 |
| 157.9 | 164.4 | 160.2 |
| Grid 4 | Grid 5 | Grid 6 |
| 79.6 | 81.9 | 79.4 |
| Grid 7 | Grid 8 | Grid 9 |
| 150.8 | 155.6 | 149.3 |

| Category | AWF (dB) | Limits for E-Field Emissions (V/m) | Limits for H-Field Emissions (A/m) |
|----------|----------|------------------------------------|------------------------------------|
| M1 | 0 | 199.5 - 354.8 | 0.6 - 1.07 |
| | -5 | 149.6 - 266.1 | 0.45 - 0.8 |
| M2 | 0 | 112.2 - 199.5 | 0.34 - 0.6 |
| | -5 | 84.1 - 149.6 | 0.25 - 0.45 |
| M3 | 0 | 63.1 - 112.2 | 0.19 - 0.34 |
| | -5 | 47.3 - 84.1 | 0.15 - 0.25 |
| M4 | 0 | <63.1 | <0.19 |

| | | | |
|--|----|-------|-------|
| | -5 | <47.3 | <0.15 |
|--|----|-------|-------|



0 dB = 164.4V/m

Test Laboratory: Compliance Certification Services Inc.

HAC_E_Dipole_-1880MHz

DUT: HAC Dipole 1880 MHz; Type: CD1880V3; Serial: 1024

Communication System: CW; Frequency: 1880 MHz; Duty Cycle: 1:1

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

Phantom section: E Dipole Section

Measurement Standard: DASY4 (High Precision Assessment)

DASY4 Configuration:

- Probe: ER3DV6 - SN2345; ConvF(1, 1, 1); Calibrated: 6/3/2005
- Sensor-Surface: (Fix Surface)
- Electronics: DAE3 Sn558; Calibrated: 8/24/2004
- Phantom: HAC Test Arch; Type: SD HAC P01 BA; Serial: 1027
- Measurement SW: DASY4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 159

E Scan 10mm above CD 1880 MHz/Hearing Aid Compatibility Test (41x181x1): Measurement

grid: dx=5mm, dy=5mm

Maximum value of peak Total field = 139.9 V/m

Probe Modulation Factor = 1.00

Reference Value = 154.9 V/m; Power Drift = -0.008 dB

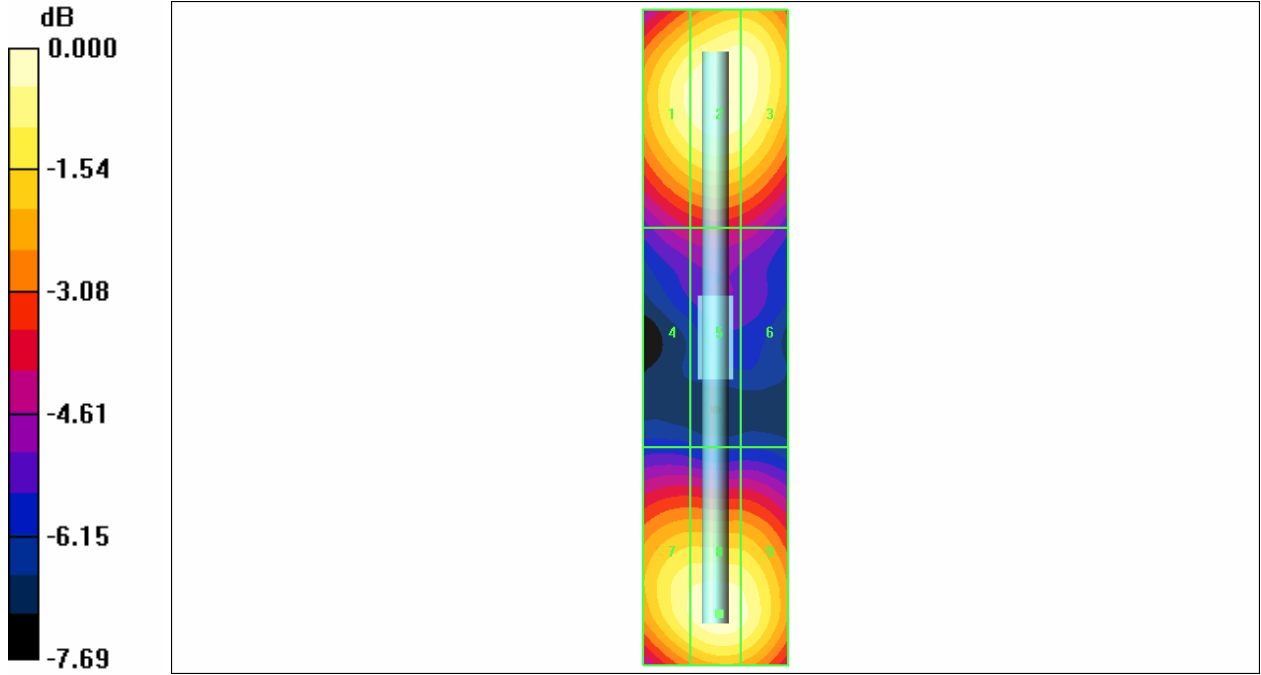
Hearing Aid Near-Field Category: M2 (AWF 0 dB)

Peak E-field in V/m

| | | |
|--------------|--------------|--------------|
| Grid 1 | Grid 2 | Grid 3 |
| 134.6 | 139.9 | 138.9 |
| Grid 4 | Grid 5 | Grid 6 |
| 87.2 | 89.9 | 87.2 |
| Grid 7 | Grid 8 | Grid 9 |
| 133.1 | 138.8 | 135.2 |

| Category | AWF (dB) | Limits for E-Field Emissions (V/m) | Limits for H-Field Emissions (A/m) |
|----------|----------|------------------------------------|------------------------------------|
| M1 | 0 | 199.5 - 354.8 | 0.6 - 1.07 |
| | -5 | 149.6 - 266.1 | 0.45 - 0.8 |
| M2 | 0 | 112.2 - 199.5 | 0.34 - 0.6 |
| | -5 | 84.1 - 149.6 | 0.25 - 0.45 |
| M3 | 0 | 63.1 - 112.2 | 0.19 - 0.34 |
| | -5 | 47.3 - 84.1 | 0.15 - 0.25 |
| M4 | 0 | <63.1 | <0.19 |

| | | | |
|--|----|-------|-------|
| | -5 | <47.3 | <0.15 |
|--|----|-------|-------|



0 dB = 139.9V/m

Test Laboratory: Compliance Certification Services Inc.

HAC_E_Dipole_-1880MHz(AM 80%)

DUT: HAC Dipole 1880 MHz; Type: CD1880V3; Serial: 1024

Communication System: AM 80%; Frequency: 1880 MHz; Duty Cycle: 1:1
 Medium parameters used: $\sigma = 0$ mho/m, $\epsilon_r = 1$; $\rho = 1000$ kg/m³
 Phantom section: E Dipole Section
 Measurement Standard: DAS4 (High Precision Assessment)

DASY4 Configuration:

- Probe: ER3DV6 - SN2345; ConvF(1, 1, 1); Calibrated: 6/3/2005
- Sensor-Surface: (Fix Surface)
- Electronics: DAE3 Sn558; Calibrated: 8/24/2004
- Phantom: HAC Test Arch; Type: SD HAC P01 BA; Serial: 1027
- Measurement SW: DAS4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 159

E Scan 10mm above CD 1880 MHz/Hearing Aid Compatibility Test (41x181x1): Measurement

grid: dx=5mm, dy=5mm

Maximum value of peak Total field = 87.2 V/m

Probe Modulation Factor = 1.00

Reference Value = 96.5 V/m; Power Drift = -0.009 dB

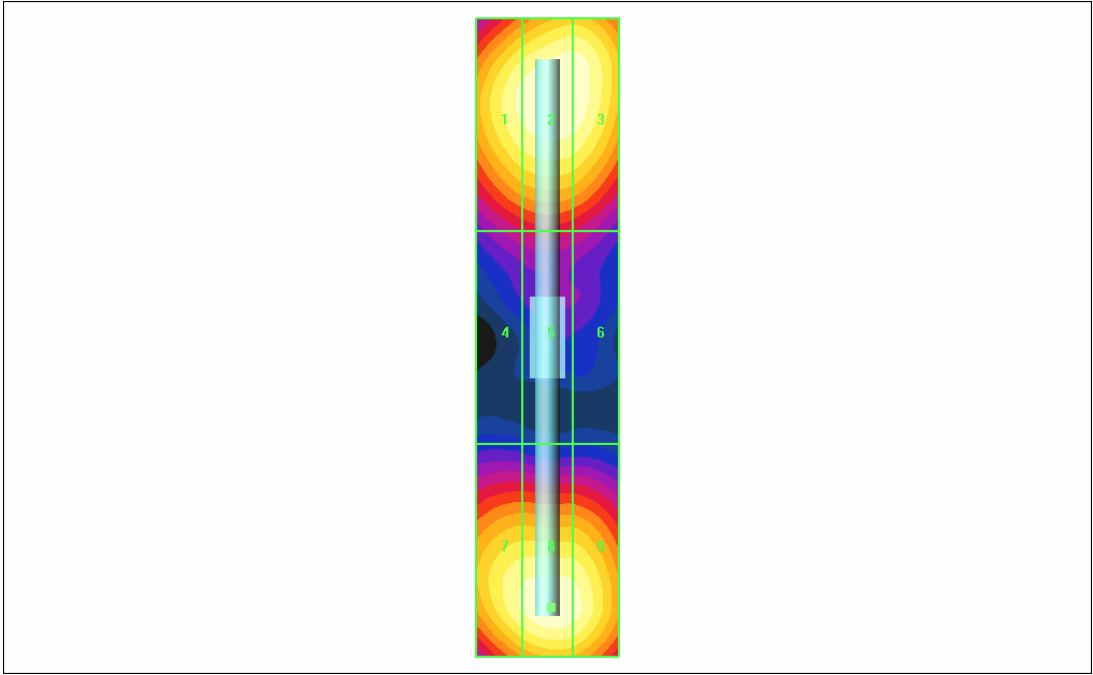
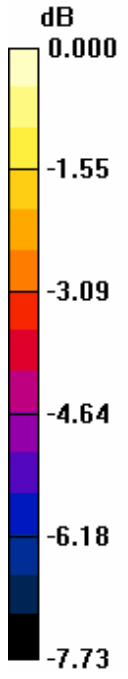
Hearing Aid Near-Field Category: M3 (AWF 0 dB)

Peak E-field in V/m

| | | |
|-------------|-------------|-------------|
| Grid 1 | Grid 2 | Grid 3 |
| 84.0 | 87.2 | 86.9 |
| Grid 4 | Grid 5 | Grid 6 |
| 54.5 | 56.7 | 54.5 |
| Grid 7 | Grid 8 | Grid 9 |
| 83.1 | 86.6 | 84.9 |

| Category | AWF (dB) | Limits for E-Field Emissions (V/m) | Limits for H-Field Emissions (A/m) |
|----------|----------|------------------------------------|------------------------------------|
| M1 | 0 | 199.5 - 354.8 | 0.6 - 1.07 |
| | -5 | 149.6 - 266.1 | 0.45 - 0.8 |
| M2 | 0 | 112.2 - 199.5 | 0.34 - 0.6 |
| | -5 | 84.1 - 149.6 | 0.25 - 0.45 |
| M3 | 0 | 63.1 - 112.2 | 0.19 - 0.34 |
| | -5 | 47.3 - 84.1 | 0.15 - 0.25 |
| M4 | 0 | <63.1 | <0.19 |

| | | | |
|--|----|-------|-------|
| | -5 | <47.3 | <0.15 |
|--|----|-------|-------|



0 dB = 87.2V/m

Test Laboratory: Compliance Certification Services Inc.

HAC_E_Dipole_-1880MHz(CDMA)

DUT: HAC Dipole 1880 MHz; Type: CD1880V3; Serial: 1024

Communication System: CDMA; Frequency: 1880 MHz; Duty Cycle: 1:1

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

Phantom section: E Dipole Section

Measurement Standard: DASYS4 (High Precision Assessment)

DASY4 Configuration:

- Probe: ER3DV6 - SN2345; ConvF(1, 1, 1); Calibrated: 6/3/2005
- Sensor-Surface: (Fix Surface)
- Electronics: DAE3 Sn558; Calibrated: 8/24/2004
- Phantom: HAC Test Arch; Type: SD HAC P01 BA; Serial: 1027
- Measurement SW: DASYS4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 159

E Scan 10mm above CD 1880 MHz/Hearing Aid Compatibility Test (41x181x1): Measurement

grid: dx=5mm, dy=5mm

Maximum value of peak Total field = 139.2 V/m

Probe Modulation Factor = 1.00

Reference Value = 152.7 V/m; Power Drift = 0.077 dB

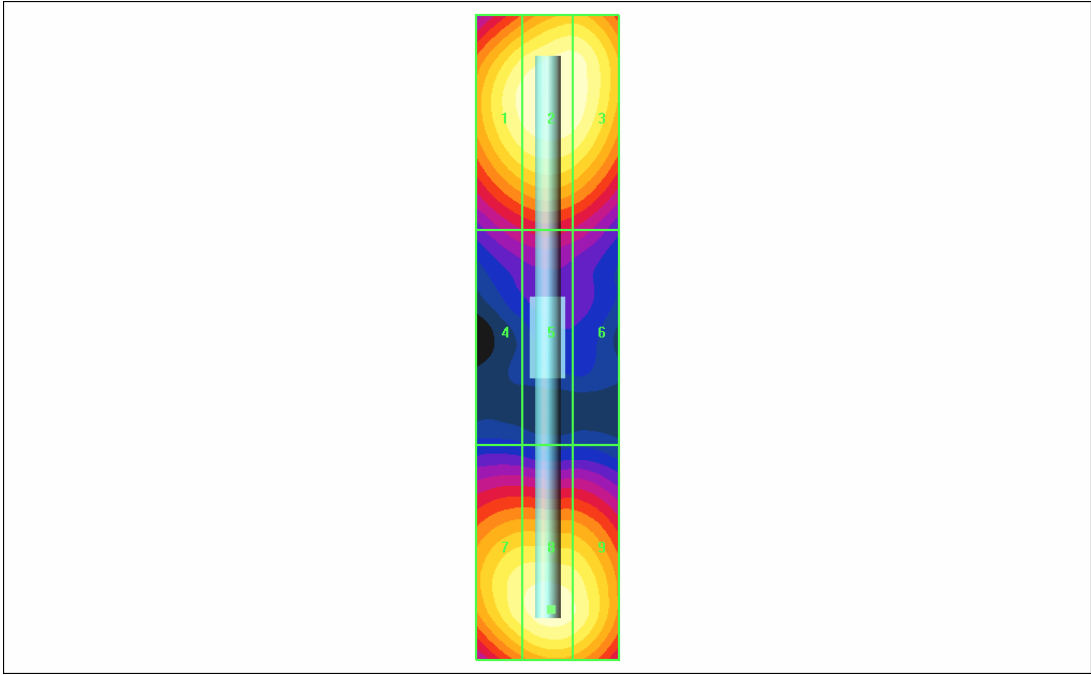
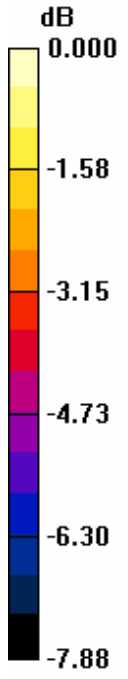
Hearing Aid Near-Field Category: M2 (AWF 0 dB)

Peak E-field in V/m

| | | |
|--------------|--------------|--------------|
| Grid 1 | Grid 2 | Grid 3 |
| 134.1 | 139.2 | 137.5 |
| Grid 4 | Grid 5 | Grid 6 |
| 85.7 | 88.7 | 85.4 |
| Grid 7 | Grid 8 | Grid 9 |
| 130.4 | 136.2 | 132.4 |

| Category | AWF (dB) | Limits for E-Field Emissions (V/m) | Limits for H-Field Emissions (A/m) |
|----------|----------|------------------------------------|------------------------------------|
| M1 | 0 | 199.5 - 354.8 | 0.6 - 1.07 |
| | -5 | 149.6 - 266.1 | 0.45 - 0.8 |
| M2 | 0 | 112.2 - 199.5 | 0.34 - 0.6 |
| | -5 | 84.1 - 149.6 | 0.25 - 0.45 |
| M3 | 0 | 63.1 - 112.2 | 0.19 - 0.34 |
| | -5 | 47.3 - 84.1 | 0.15 - 0.25 |
| M4 | 0 | <63.1 | <0.19 |

-5 <47.3 <0.15



0 dB = 139.2V/m

Test Laboratory: Compliance Certification Services Inc.

HAC_E_Dipole_-2450MHz

DUT: HAC Dipole 2450 MHz; Type: CD2450V3; Serial: 1026

Communication System: CW; Frequency: 2450 MHz; Duty Cycle: 1:1
 Medium parameters used: $\sigma = 0$ mho/m, $\epsilon_r = 1$; $\rho = 1000$ kg/m³
 Phantom section: E Dipole Section
 Measurement Standard: DASYS4 (High Precision Assessment)

DASY4 Configuration:

- Probe: ER3DV6 - SN2345; ConvF(1, 1, 1); Calibrated: 6/3/2005
- Sensor-Surface: (Fix Surface)
- Electronics: DAE3 Sn558; Calibrated: 8/24/2004
- Phantom: HAC Test Arch; Type: SD HAC P01 BA; Serial: 1027
- Measurement SW: DASYS4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 159

E Scan 10mm above CD 2450 MHz/Hearing Aid Compatibility Test (41x181x1): Measurement

grid: dx=5mm, dy=5mm

Maximum value of peak Total field = 144.4 V/m

Probe Modulation Factor = 1.00

Reference Value = 82.6 V/m; Power Drift = 0.003 dB

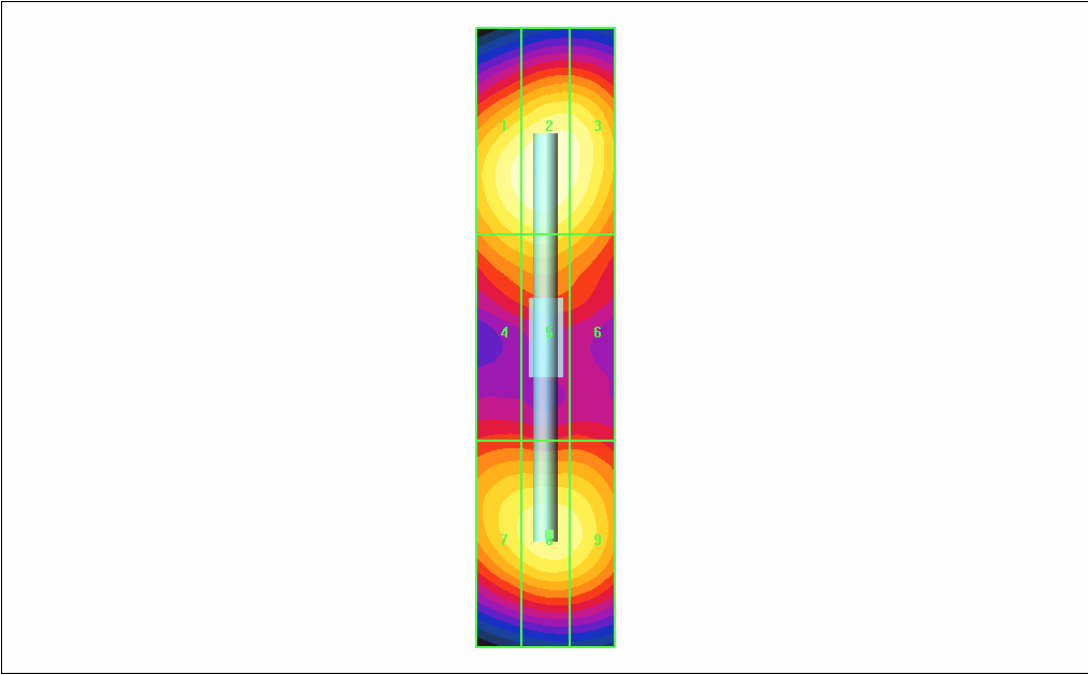
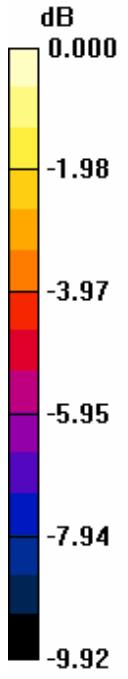
Hearing Aid Near-Field Category: M2 (AWF 0 dB)

Peak E-field in V/m

| | | |
|--------------|--------------|--------------|
| Grid 1 | Grid 2 | Grid 3 |
| 139.3 | 144.4 | 139.2 |
| Grid 4 | Grid 5 | Grid 6 |
| 117.5 | 121.3 | 114.0 |
| Grid 7 | Grid 8 | Grid 9 |
| 125.9 | 133.5 | 130.1 |

| Category | AWF (dB) | Limits for E-Field Emissions (V/m) | Limits for H-Field Emissions (A/m) |
|----------|----------|------------------------------------|------------------------------------|
| M1 | 0 | 199.5 - 354.8 | 0.6 - 1.07 |
| | -5 | 149.6 - 266.1 | 0.45 - 0.8 |
| M2 | 0 | 112.2 - 199.5 | 0.34 - 0.6 |
| | -5 | 84.1 - 149.6 | 0.25 - 0.45 |
| M3 | 0 | 63.1 - 112.2 | 0.19 - 0.34 |
| | -5 | 47.3 - 84.1 | 0.15 - 0.25 |
| M4 | 0 | <63.1 | <0.19 |

-5 <47.3 <0.15



0 dB = 144.4V/m

Test Laboratory: Compliance Certification Services Inc.

HAC_E_Dipole_-2450MHz(AM 80%)

DUT: HAC Dipole 2450 MHz; Type: CD2450V3; Serial: 1026

Communication System: AM 80%; Frequency: 1880 MHz; Duty Cycle: 1:1

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

Phantom section: E Dipole Section

Measurement Standard: DASYS4 (High Precision Assessment)

DASY4 Configuration:

- Probe: ER3DV6 - SN2345; ConvF(1, 1, 1); Calibrated: 6/3/2005
- Sensor-Surface: (Fix Surface)
- Electronics: DAE3 Sn558; Calibrated: 8/24/2004
- Phantom: HAC Test Arch; Type: SD HAC P01 BA; Serial: 1027
- Measurement SW: DASYS4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 159

E Scan 10mm above CD 2450 MHz/Hearing Aid Compatibility Test (41x181x1): Measurement

grid: dx=5mm, dy=5mm

Maximum value of peak Total field = 89.3 V/m

Probe Modulation Factor = 1.00

Reference Value = 54.0 V/m; Power Drift = -0.030 dB

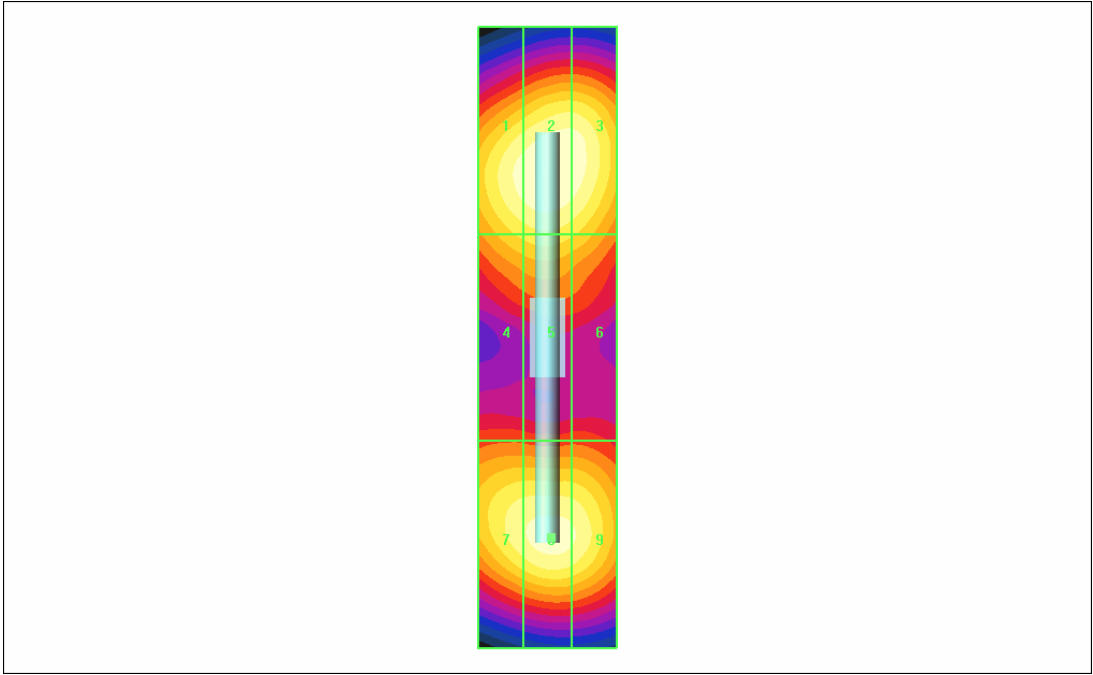
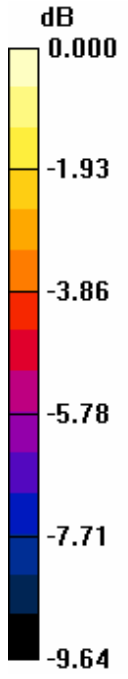
Hearing Aid Near-Field Category: M3 (AWF 0 dB)

Peak E-field in V/m

| | | |
|-------------|-------------|-------------|
| Grid 1 | Grid 2 | Grid 3 |
| 86.0 | 89.3 | 87.5 |
| Grid 4 | Grid 5 | Grid 6 |
| 73.5 | 76.1 | 72.7 |
| Grid 7 | Grid 8 | Grid 9 |
| 82.5 | 86.7 | 84.1 |

| Category | AWF (dB) | Limits for E-Field Emissions (V/m) | Limits for H-Field Emissions (A/m) |
|----------|----------|------------------------------------|------------------------------------|
| M1 | 0 | 199.5 - 354.8 | 0.6 - 1.07 |
| | -5 | 149.6 - 266.1 | 0.45 - 0.8 |
| M2 | 0 | 112.2 - 199.5 | 0.34 - 0.6 |
| | -5 | 84.1 - 149.6 | 0.25 - 0.45 |
| M3 | 0 | 63.1 - 112.2 | 0.19 - 0.34 |
| | -5 | 47.3 - 84.1 | 0.15 - 0.25 |
| M4 | 0 | <63.1 | <0.19 |

| | | | |
|--|----|-------|-------|
| | -5 | <47.3 | <0.15 |
|--|----|-------|-------|



0 dB = 89.3V/m

Test Laboratory: Compliance Certification Services Inc.

HAC_H_Dipole_835MHz-CW

DUT: HAC-Dipole 835 MHz; Type: CD835V3; Serial: 1031

Communication System: CW; Frequency: 835 MHz; Duty Cycle: 1:1

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

Phantom section: H Dipole Section

Measurement Standard: DAS4 (High Precision Assessment)

DASY4 Configuration:

- Probe: H3DV6 - SN6163; ; Calibrated: 4/27/2005
- Sensor-Surface: (Fix Surface)
- Electronics: DAE3 Sn558; Calibrated: 8/24/2004
- Phantom: HAC Test Arch; Type: SD HAC P01 BA; Serial: 1027
- Measurement SW: DAS4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 159

H Scan 10mm above CD 835 MHz/Hearing Aid Compatibility Test (41x361x1): Measurement

grid: dx=5mm, dy=5mm

Maximum value of peak Total field = **0.409** A/m

Probe Modulation Factor = 1.00

Reference Value = 0.427 A/m; Power Drift = 0.000 dB

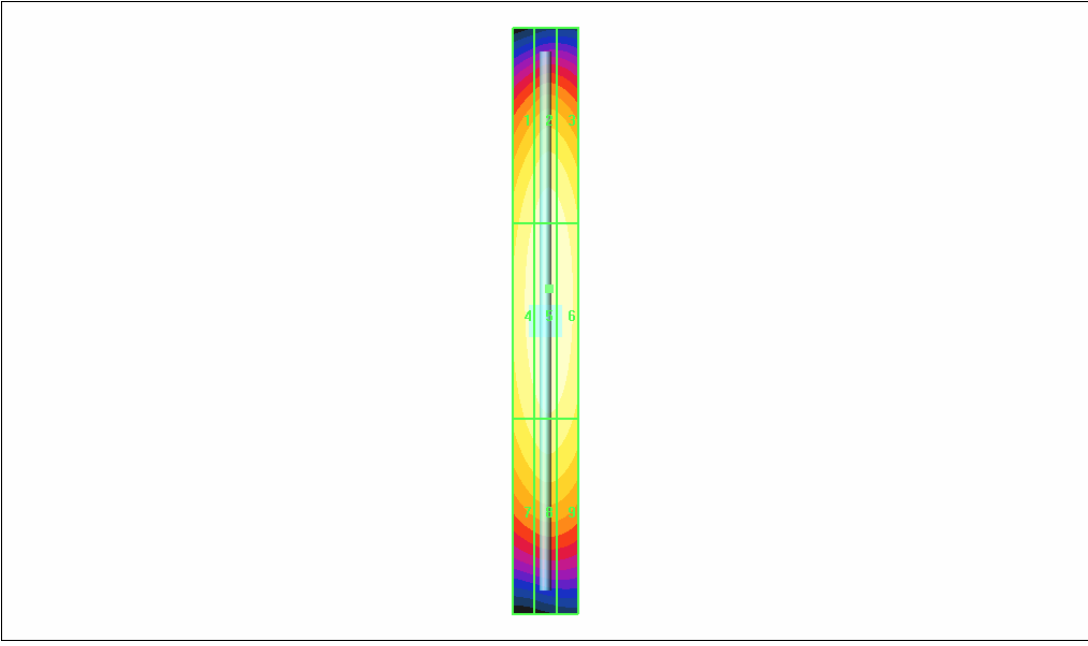
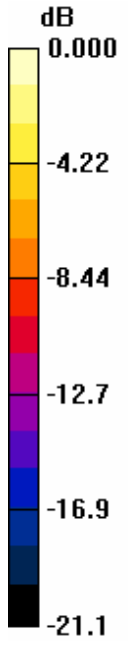
Hearing Aid Near-Field Category: M2 (AWF 0 dB)

Peak H-field in A/m

| | | |
|--------------|--------------|--------------|
| Grid 1 | Grid 2 | Grid 3 |
| 0.354 | 0.385 | 0.375 |
| Grid 4 | Grid 5 | Grid 6 |
| 0.381 | 0.409 | 0.399 |
| Grid 7 | Grid 8 | Grid 9 |
| 0.322 | 0.342 | 0.334 |

| Category | AWF (dB) | Limits for E-Field Emissions (V/m) | Limits for H-Field Emissions (A/m) |
|----------|----------|------------------------------------|------------------------------------|
| M1 | 0 | 199.5 - 354.8 | 0.6 - 1.07 |
| | -5 | 149.6 - 266.1 | 0.45 - 0.8 |
| M2 | 0 | 112.2 - 199.5 | 0.34 - 0.6 |
| | -5 | 84.1 - 149.6 | 0.25 - 0.45 |
| M3 | 0 | 63.1 - 112.2 | 0.19 - 0.34 |
| | -5 | 47.3 - 84.1 | 0.15 - 0.25 |
| M4 | 0 | <63.1 | <0.19 |

| | | | |
|--|----|-------|-------|
| | -5 | <47.3 | <0.15 |
|--|----|-------|-------|



0 dB = 0.409A/m

Test Laboratory: Compliance Certification Services Inc.

HAC_H_Dipole_835MHz-AM

DUT: HAC-Dipole 835 MHz; Type: CD835V3; Serial: 1031

Communication System: AM 80%; Frequency: 835 MHz;Duty Cycle: 1:1

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

Phantom section: H Dipole Section

Measurement Standard: DASYS4 (High Precision Assessment)

DASY4 Configuration:

- Probe: H3DV6 - SN6163; ; Calibrated: 4/27/2005
- Sensor-Surface: (Fix Surface)
- Electronics: DAE3 Sn558; Calibrated: 8/24/2004
- Phantom: HAC Test Arch; Type: SD HAC P01 BA; Serial: 1027
- Measurement SW: DASYS4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 159

H Scan 10mm above CD 835 MHz/Hearing Aid Compatibility Test (41x361x1): Measurement

grid: dx=5mm, dy=5mm

Maximum value of peak Total field = 0.266 A/m

Probe Modulation Factor = 1.00

Reference Value = 0.279 A/m; Power Drift = -0.039 dB

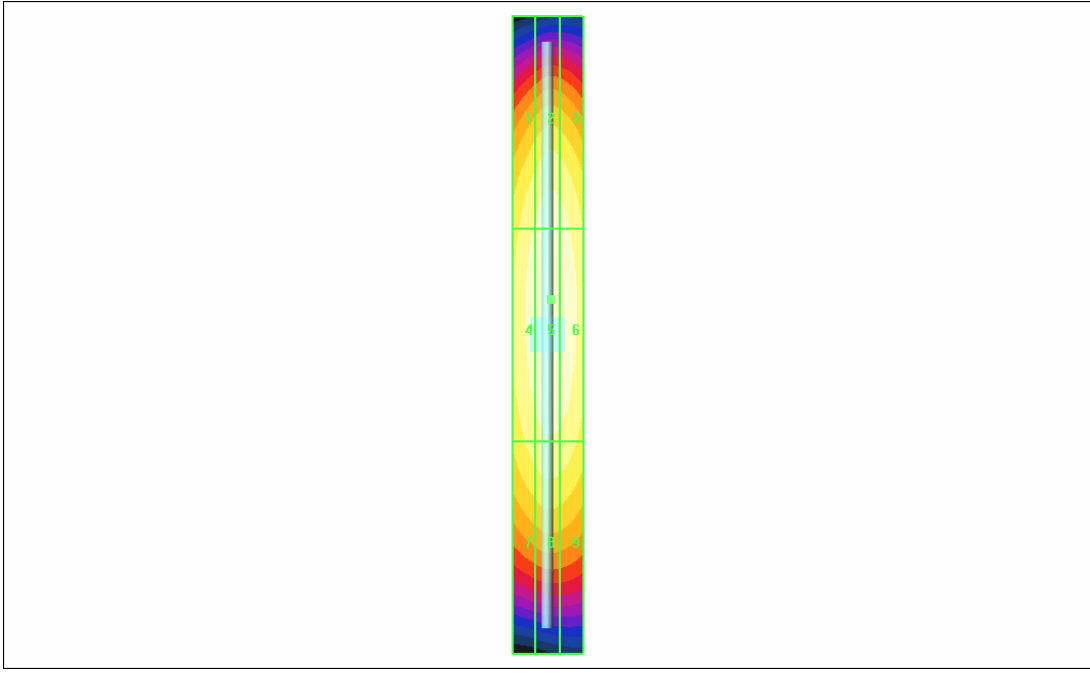
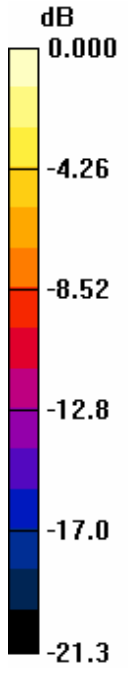
Hearing Aid Near-Field Category: M3 (AWF 0 dB)

Peak H-field in A/m

| | | |
|--------------|--------------|--------------|
| Grid 1 | Grid 2 | Grid 3 |
| 0.231 | 0.251 | 0.243 |
| Grid 4 | Grid 5 | Grid 6 |
| 0.248 | 0.266 | 0.259 |
| Grid 7 | Grid 8 | Grid 9 |
| 0.209 | 0.222 | 0.217 |

| Category | AWF (dB) | Limits for E-Field Emissions (V/m) | Limits for H-Field Emissions (A/m) |
|----------|----------|------------------------------------|------------------------------------|
| M1 | 0 | 199.5 - 354.8 | 0.6 - 1.07 |
| | -5 | 149.6 - 266.1 | 0.45 - 0.8 |
| M2 | 0 | 112.2 - 199.5 | 0.34 - 0.6 |
| | -5 | 84.1 - 149.6 | 0.25 - 0.45 |
| M3 | 0 | 63.1 - 112.2 | 0.19 - 0.34 |
| | -5 | 47.3 - 84.1 | 0.15 - 0.25 |
| M4 | 0 | <63.1 | <0.19 |

| | | | |
|--|----|-------|-------|
| | -5 | <47.3 | <0.15 |
|--|----|-------|-------|



0 dB = 0.266A/m

Test Laboratory: Compliance Certification Services Inc.

HAC_H_Dipole_835MHz-CDMA

DUT: HAC-Dipole 835 MHz; Type: D835V3; Serial: 1031

Communication System: CDMA; Frequency: 835 MHz; Duty Cycle: 1:1

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

Phantom section: H Dipole Section

Measurement Standard: DAS4 (High Precision Assessment)

DASY4 Configuration:

- Probe: H3DV6 - SN6163; ; Calibrated: 4/27/2005
- Sensor-Surface: (Fix Surface)
- Electronics: DAE3 Sn558; Calibrated: 8/24/2004
- Phantom: HAC Test Arch; Type: SD HAC P01 BA; Serial: 1027
- Measurement SW: DAS4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 159

H Scan 10mm above CD 835 MHz/Hearing Aid Compatibility Test (41x361x1): Measurement

grid: dx=5mm, dy=5mm

Maximum value of peak Total field = **0.406** A/m

Probe Modulation Factor = 1.00

Reference Value = 0.423 A/m; Power Drift = 0.021 dB

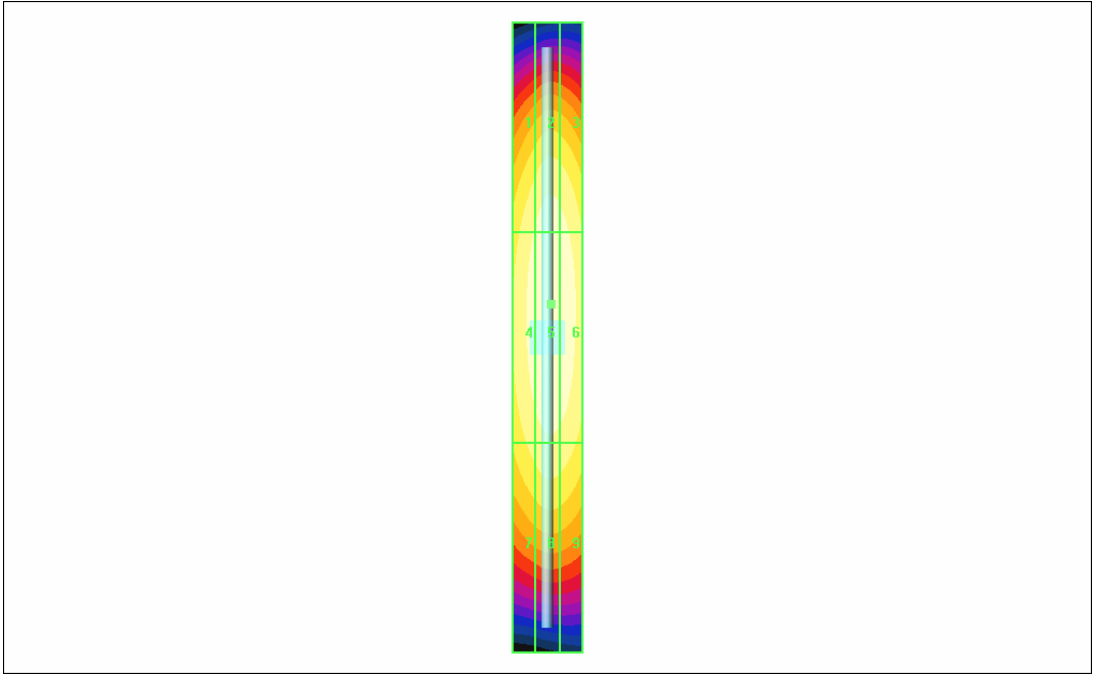
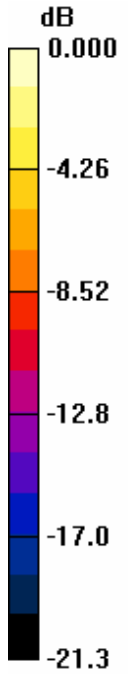
Hearing Aid Near-Field Category: M2 (AWF 0 dB)

Peak H-field in A/m

| | | |
|--------------|--------------|--------------|
| Grid 1 | Grid 2 | Grid 3 |
| 0.350 | 0.382 | 0.369 |
| Grid 4 | Grid 5 | Grid 6 |
| 0.377 | 0.406 | 0.394 |
| Grid 7 | Grid 8 | Grid 9 |
| 0.316 | 0.337 | 0.329 |

| Category | AWF (dB) | Limits for E-Field Emissions (V/m) | Limits for H-Field Emissions (A/m) |
|----------|----------|------------------------------------|------------------------------------|
| M1 | 0 | 199.5 - 354.8 | 0.6 - 1.07 |
| | -5 | 149.6 - 266.1 | 0.45 - 0.8 |
| M2 | 0 | 112.2 - 199.5 | 0.34 - 0.6 |
| | -5 | 84.1 - 149.6 | 0.25 - 0.45 |
| M3 | 0 | 63.1 - 112.2 | 0.19 - 0.34 |
| | -5 | 47.3 - 84.1 | 0.15 - 0.25 |
| M4 | 0 | <63.1 | <0.19 |

| | | | |
|--|----|-------|-------|
| | -5 | <47.3 | <0.15 |
|--|----|-------|-------|



0 dB = 0.406A/m

Test Laboratory: Compliance Certification Services Inc.

HAC_H_Dipole_1880MHz-CW

DUT: HAC Dipole 1880 MHz; Type: CD1880V3; Serial: 1024

Communication System: CW; Frequency: 1880 MHz; Duty Cycle: 1:1

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

Phantom section: H Dipole Section

Measurement Standard: DASYS4 (High Precision Assessment)

DASY4 Configuration:

- Probe: H3DV6 - SN6163; ; Calibrated: 4/27/2005
- Sensor-Surface: (Fix Surface)
- Electronics: DAE3 Sn558; Calibrated: 8/24/2004
- Phantom: HAC Test Arch; Type: SD HAC P01 BA; Serial: 1027
- Measurement SW: DASYS4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 159

H Scan - H3DV6 probe tip 10mm above Device Reference/Hearing Aid Compatibility Test

(41x181x1): Measurement grid: dx=5mm, dy=5mm

Maximum value of peak Total field = 0.441 A/m

Probe Modulation Factor = 1.00

Reference Value = 0.461 A/m; Power Drift = -0.023 dB

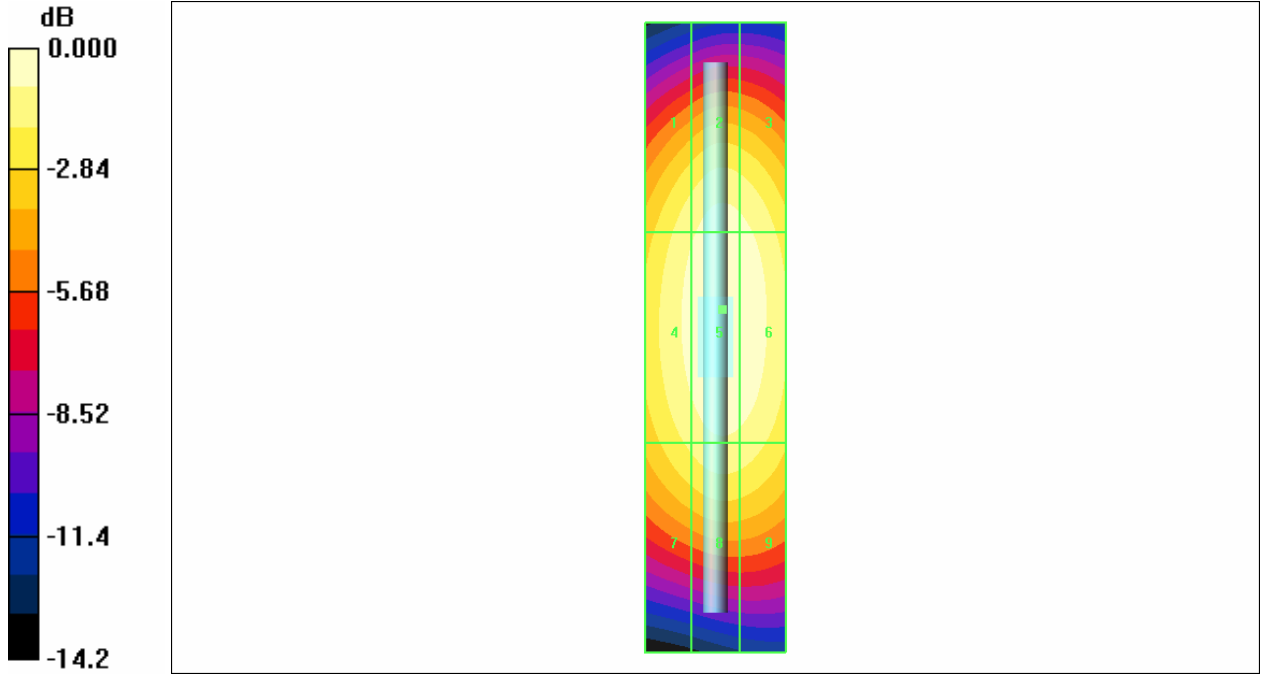
Hearing Aid Near-Field Category: M2 (AWF 0 dB)

Peak H-field in A/m

| | | |
|--------------|--------------|--------------|
| Grid 1 | Grid 2 | Grid 3 |
| 0.388 | 0.420 | 0.410 |
| Grid 4 | Grid 5 | Grid 6 |
| 0.411 | 0.441 | 0.432 |
| Grid 7 | Grid 8 | Grid 9 |
| 0.364 | 0.390 | 0.382 |

| Category | AWF (dB) | Limits for E-Field Emissions (V/m) | Limits for H-Field Emissions (A/m) |
|----------|----------|------------------------------------|------------------------------------|
| M1 | 0 | 199.5 - 354.8 | 0.6 - 1.07 |
| | -5 | 149.6 - 266.1 | 0.45 - 0.8 |
| M2 | 0 | 112.2 - 199.5 | 0.34 - 0.6 |
| | -5 | 84.1 - 149.6 | 0.25 - 0.45 |
| M3 | 0 | 63.1 - 112.2 | 0.19 - 0.34 |
| | -5 | 47.3 - 84.1 | 0.15 - 0.25 |
| M4 | 0 | <63.1 | <0.19 |

| | | | |
|--|----|-------|-------|
| | -5 | <47.3 | <0.15 |
|--|----|-------|-------|



0 dB = 0.441A/m

Test Laboratory: Compliance Certification Services Inc.

HAC_H_Dipole_1880MHz-AM

DUT: HAC Dipole 1880 MHz; Type: CD1880V3; Serial: 1024

Communication System: AM 80%; Frequency: 1880 MHz; Duty Cycle: 1:1

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

Phantom section: H Dipole Section

Measurement Standard: DASYS4 (High Precision Assessment)

DASY4 Configuration:

- Probe: H3DV6 - SN6163; ; Calibrated: 4/27/2005
- Sensor-Surface: (Fix Surface)
- Electronics: DAE3 Sn558; Calibrated: 8/24/2004
- Phantom: HAC Test Arch; Type: SD HAC P01 BA; Serial: 1027
- Measurement SW: DASYS4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 159

H Scan - H3DV6 probe tip 10mm above Device Reference/Hearing Aid Compatibility Test

(41x181x1): Measurement grid: dx=5mm, dy=5mm

Maximum value of peak Total field = 0.293 A/m

Probe Modulation Factor = 1.00

Reference Value = 0.309 A/m; Power Drift = 0.030 dB

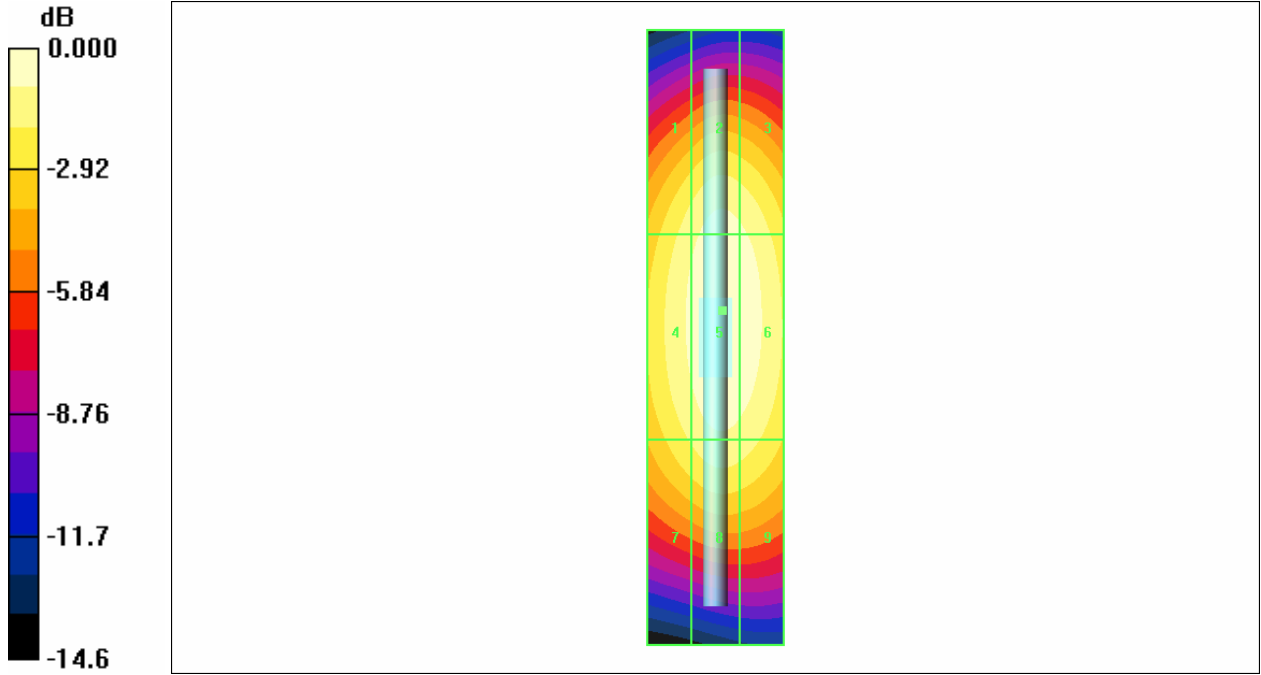
Hearing Aid Near-Field Category: M3 (AWF 0 dB)

Peak H-field in A/m

| | | |
|--------------|--------------|--------------|
| Grid 1 | Grid 2 | Grid 3 |
| 0.253 | 0.277 | 0.269 |
| Grid 4 | Grid 5 | Grid 6 |
| 0.270 | 0.293 | 0.285 |
| Grid 7 | Grid 8 | Grid 9 |
| 0.237 | 0.256 | 0.250 |

| Category | AWF (dB) | Limits for E-Field Emissions (V/m) | Limits for H-Field Emissions (A/m) |
|----------|----------|------------------------------------|------------------------------------|
| M1 | 0 | 199.5 - 354.8 | 0.6 - 1.07 |
| | -5 | 149.6 - 266.1 | 0.45 - 0.8 |
| M2 | 0 | 112.2 - 199.5 | 0.34 - 0.6 |
| | -5 | 84.1 - 149.6 | 0.25 - 0.45 |
| M3 | 0 | 63.1 - 112.2 | 0.19 - 0.34 |
| | -5 | 47.3 - 84.1 | 0.15 - 0.25 |
| M4 | 0 | <63.1 | <0.19 |

| | | | |
|--|----|-------|-------|
| | -5 | <47.3 | <0.15 |
|--|----|-------|-------|



0 dB = 0.293A/m

Test Laboratory: Compliance Certification Services Inc.

HAC_H_Dipole_1880MHz-CDMA

DUT: HAC Dipole 1880 MHz; Type: CD1880V3; Serial: 1024

Communication System: CDMA; Frequency: 1880 MHz; Duty Cycle: 1:1

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

Phantom section: H Dipole Section

Measurement Standard: DAS4 (High Precision Assessment)

DASY4 Configuration:

- Probe: H3DV6 - SN6163; ; Calibrated: 4/27/2005
- Sensor-Surface: (Fix Surface)
- Electronics: DAE3 Sn558; Calibrated: 8/24/2004
- Phantom: HAC Test Arch; Type: SD HAC P01 BA; Serial: 1027
- Measurement SW: DAS4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 159

H Scan - H3DV6 probe tip 10mm above Device Reference/Hearing Aid Compatibility Test

(41x181x1): Measurement grid: dx=5mm, dy=5mm

Maximum value of peak Total field = **0.437** A/m

Probe Modulation Factor = 1.00

Reference Value = 0.459 A/m; Power Drift = 0.008 dB

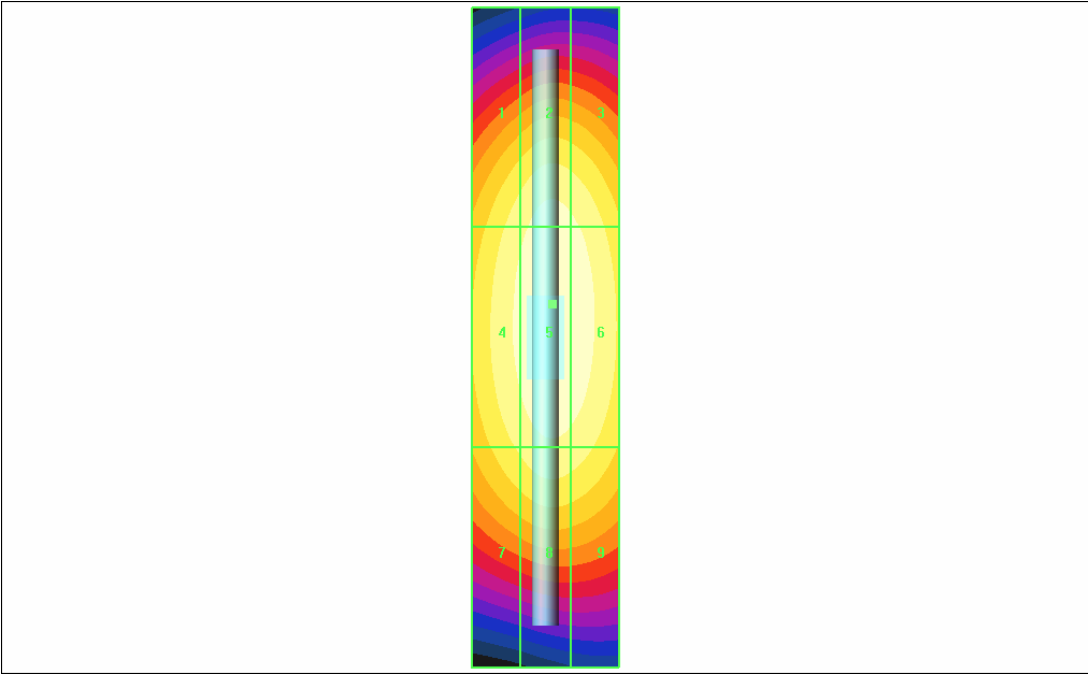
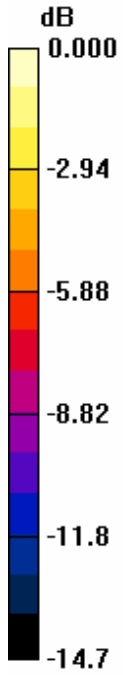
Hearing Aid Near-Field Category: M2 (AWF 0 dB)

Peak H-field in A/m

| | | |
|--------------|--------------|--------------|
| Grid 1 | Grid 2 | Grid 3 |
| 0.377 | 0.412 | 0.400 |
| Grid 4 | Grid 5 | Grid 6 |
| 0.403 | 0.437 | 0.424 |
| Grid 7 | Grid 8 | Grid 9 |
| 0.355 | 0.382 | 0.373 |

| Category | AWF (dB) | Limits for E-Field Emissions (V/m) | Limits for H-Field Emissions (A/m) |
|----------|----------|------------------------------------|------------------------------------|
| M1 | 0 | 199.5 - 354.8 | 0.6 - 1.07 |
| | -5 | 149.6 - 266.1 | 0.45 - 0.8 |
| M2 | 0 | 112.2 - 199.5 | 0.34 - 0.6 |
| | -5 | 84.1 - 149.6 | 0.25 - 0.45 |
| M3 | 0 | 63.1 - 112.2 | 0.19 - 0.34 |
| | -5 | 47.3 - 84.1 | 0.15 - 0.25 |
| M4 | 0 | <63.1 | <0.19 |

-5 <47.3 <0.15



0 dB = 0.437A/m

Test Laboratory: Compliance Certification Services Inc.

HAC_H_Dipole_2450MHz-CW

DUT: HAC Dipole 2450 MHz; Type: CD2450V3; Serial: 1026

Communication System: CW; Frequency: 2450 MHz; Duty Cycle: 1:1

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

Phantom section: H Dipole Section

Measurement Standard: DASY4 (High Precision Assessment)

DASY4 Configuration:

- Probe: H3DV6 - SN6163; ; Calibrated: 4/27/2005
- Sensor-Surface: (Fix Surface)
- Electronics: DAE3 Sn558; Calibrated: 8/24/2004
- Phantom: HAC Test Arch; Type: SD HAC P01 BA; Serial: 1027
- Measurement SW: DASY4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 159

H Scan - H3DV6 probe tip 10mm above Device Reference/Hearing Aid Compatibility Test

(41x181x1): Measurement grid: dx=5mm, dy=5mm

Maximum value of peak Total field = **0.458** A/m

Probe Modulation Factor = 1.00

Reference Value = 0.485 A/m; Power Drift = 0.001 dB

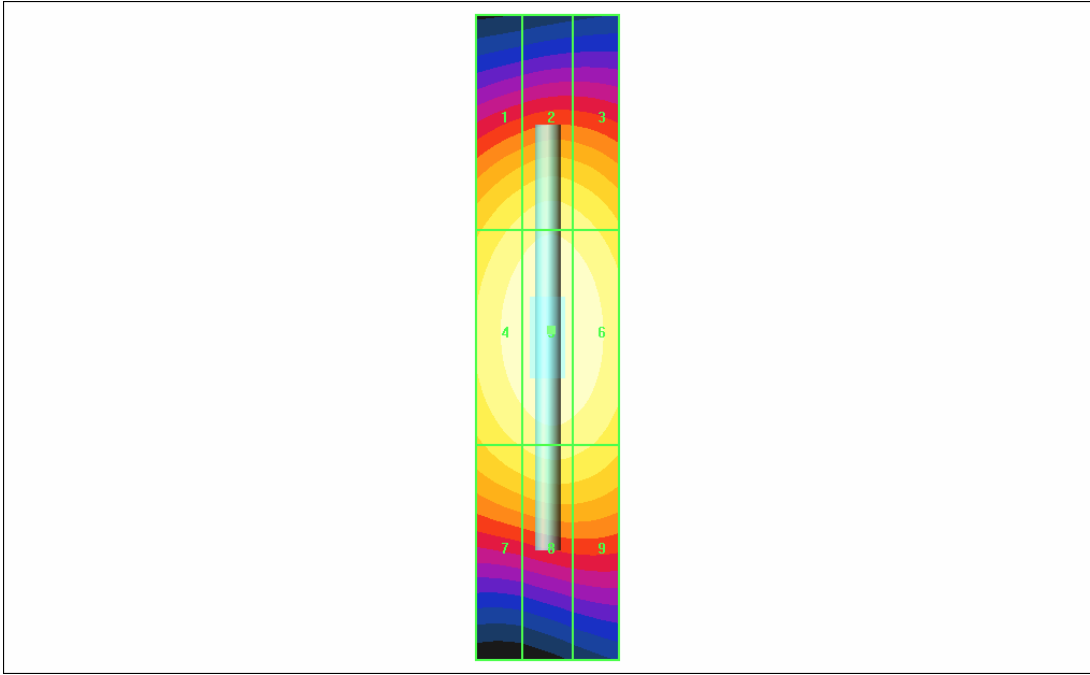
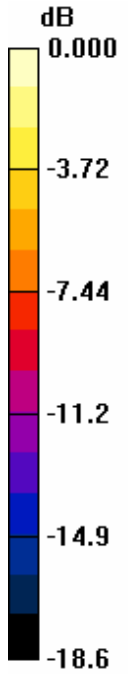
Hearing Aid Near-Field Category: M2 (AWF 0 dB)

Peak H-field in A/m

| | | |
|--------------|--------------|--------------|
| Grid 1 | Grid 2 | Grid 3 |
| 0.367 | 0.391 | 0.377 |
| Grid 4 | Grid 5 | Grid 6 |
| 0.433 | 0.458 | 0.444 |
| Grid 7 | Grid 8 | Grid 9 |
| 0.349 | 0.369 | 0.361 |

| Category | AWF (dB) | Limits for E-Field Emissions (V/m) | Limits for H-Field Emissions (A/m) |
|----------|----------|------------------------------------|------------------------------------|
| M1 | 0 | 199.5 - 354.8 | 0.6 - 1.07 |
| | -5 | 149.6 - 266.1 | 0.45 - 0.8 |
| M2 | 0 | 112.2 - 199.5 | 0.34 - 0.6 |
| | -5 | 84.1 - 149.6 | 0.25 - 0.45 |
| M3 | 0 | 63.1 - 112.2 | 0.19 - 0.34 |
| | -5 | 47.3 - 84.1 | 0.15 - 0.25 |
| M4 | 0 | <63.1 | <0.19 |

-5 <47.3 <0.15



0 dB = 0.458A/m

Test Laboratory: Compliance Certification Services Inc.

HAC_H_Dipole_2450MHz-AM

DUT: HAC Dipole 2450 MHz; Type: CD2450V3; Serial: 1026

Communication System: AM 80%; Frequency: 2450 MHz; Duty Cycle: 1:1

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

Phantom section: H Dipole Section

Measurement Standard: DASYS4 (High Precision Assessment)

DASY4 Configuration:

- Probe: H3DV6 - SN6163; ; Calibrated: 4/27/2005
- Sensor-Surface: (Fix Surface)
- Electronics: DAE3 Sn558; Calibrated: 8/24/2004
- Phantom: HAC Test Arch; Type: SD HAC P01 BA; Serial: 1027
- Measurement SW: DASYS4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 159

H Scan - H3DV6 probe tip 10mm above Device Reference/Hearing Aid Compatibility Test

(41x181x1): Measurement grid: dx=5mm, dy=5mm

Maximum value of peak Total field = 0.327 A/m

Probe Modulation Factor = 1.00

Reference Value = 0.351 A/m; Power Drift = -0.021 dB

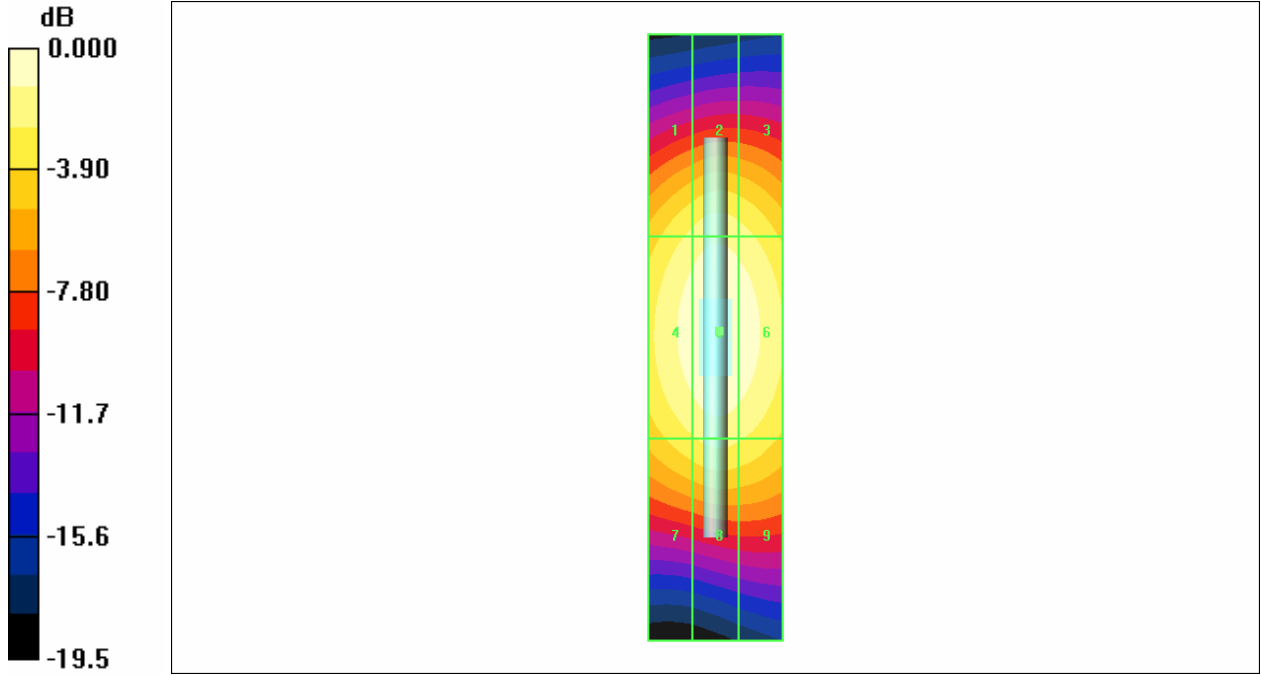
Hearing Aid Near-Field Category: M3 (AWF 0 dB)

Peak H-field in A/m

| | | |
|--------------|--------------|--------------|
| Grid 1 | Grid 2 | Grid 3 |
| 0.253 | 0.273 | 0.260 |
| Grid 4 | Grid 5 | Grid 6 |
| 0.304 | 0.327 | 0.311 |
| Grid 7 | Grid 8 | Grid 9 |
| 0.238 | 0.256 | 0.246 |

| Category | AWF (dB) | Limits for E-Field Emissions (V/m) | Limits for H-Field Emissions (A/m) |
|----------|----------|------------------------------------|------------------------------------|
| M1 | 0 | 199.5 - 354.8 | 0.6 - 1.07 |
| | -5 | 149.6 - 266.1 | 0.45 - 0.8 |
| M2 | 0 | 112.2 - 199.5 | 0.34 - 0.6 |
| | -5 | 84.1 - 149.6 | 0.25 - 0.45 |
| M3 | 0 | 63.1 - 112.2 | 0.19 - 0.34 |
| | -5 | 47.3 - 84.1 | 0.15 - 0.25 |
| M4 | 0 | <63.1 | <0.19 |

| | | | |
|--|----|-------|-------|
| | -5 | <47.3 | <0.15 |
|--|----|-------|-------|



0 dB = 0.327A/m