

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

DASY4 Configuration:

- Probe: ER3DV6 - SN2345; ConvF(1, 1, 1); Calibrated: 5/31/2006
- Sensor-Surface: (Fix Surface)
- Electronics: DAE3 Sn500; Calibrated: 8/23/2006
- Phantom: HAC Test Arch; Type: SD HAC P01 BA; Serial: 1027
- Measurement SW: DASY4, V4.7 Build 53; Postprocessing SW: SEMCAD, V1.8 Build 172

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

Measurement grid: dx=5mm, dy=5mm

Maximum value of peak Total field = **156.2** V/m

Probe Modulation Factor = 1.00

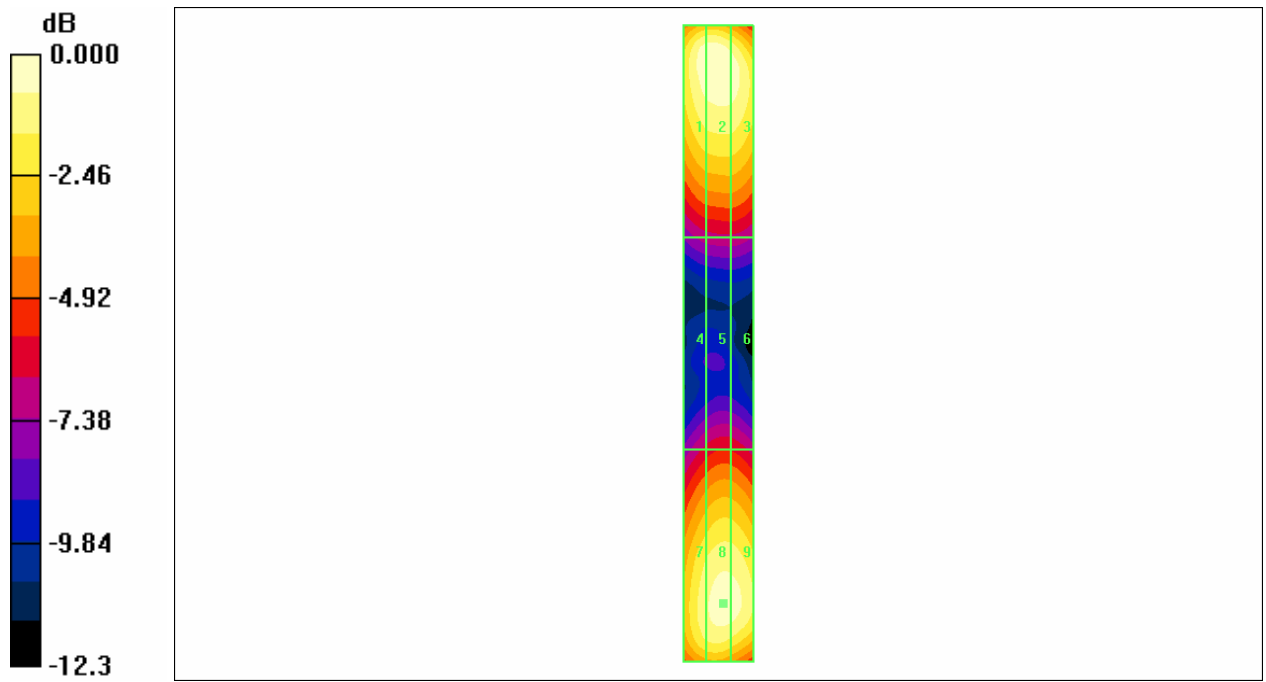
Reference Value = 113.3 V/m; Power Drift = -0.011 dB

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

Peak E-field in V/m

Grid 1	Grid 2	Grid 3
155.2	156.2	152.3
Grid 4	Grid 5	Grid 6
77.2	81.8	81.8
Grid 7	Grid 8	Grid 9
140.6	150.1	149.9

Category	AWF (dB)	Limits for E-Field Emissions (V/m)	Limits for H-Field Emissions (A/m)
M1	0	631.0 – 1122.0	1.91 – 3.39
	-5	473.2 – 841.4	1.43 – 2.54
M2	0	354.8 – 631.0	1.07 – 1.91
	-5	266.1 – 473.2	0.80 – 1.43
M3	0	199.5 – 354.8	0.60 – 1.07
	-5	149.6 – 266.1	0.45 – 0.80
M4	0	<199.5	<0.60
	-5	<149.6	<0.45



0 dB = 156.2V/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

DASY4 Configuration:

- Probe: ER3DV6 - SN2345; ConvF(1, 1, 1); Calibrated: 5/31/2006
- Sensor-Surface: (Fix Surface)
- Electronics: DAE3 Sn500; Calibrated: 8/23/2006
- Phantom: HAC Test Arch; Type: SD HAC P01 BA; Serial: 1027
- Measurement SW: DASY4, V4.7 Build 53; Postprocessing SW: SEMCAD, V1.8 Build 172

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

Measurement grid: dx=5mm, dy=5mm

Maximum value of peak Total field = **98.2** V/m

Probe Modulation Factor = 1.00

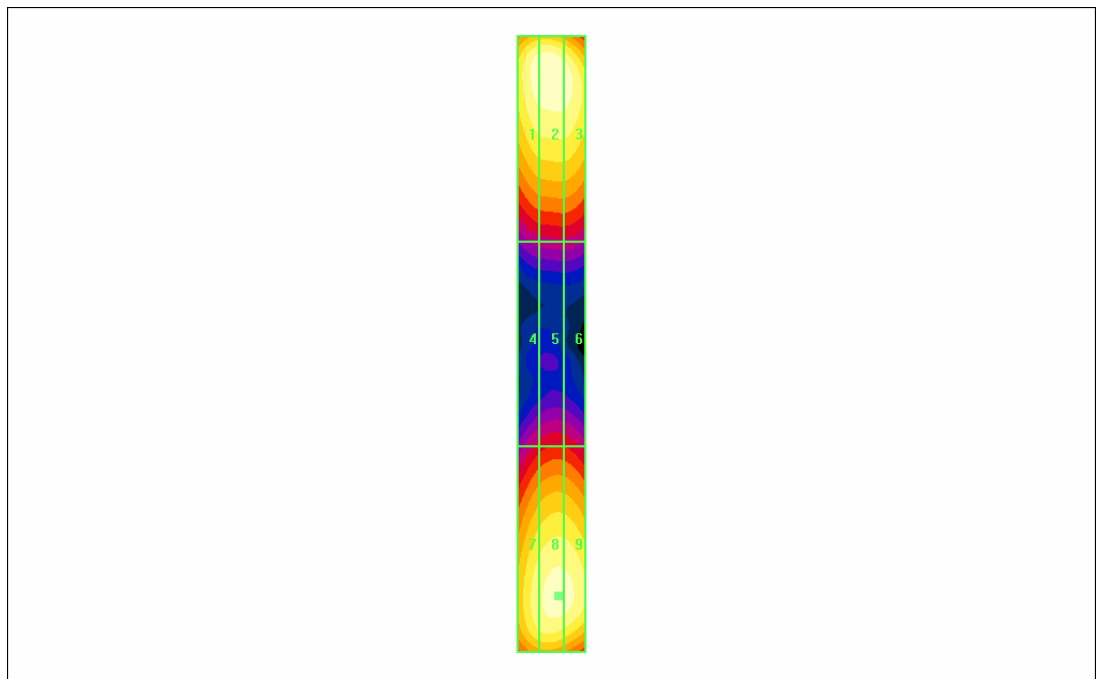
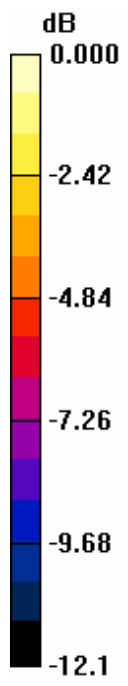
Reference Value = 72.1 V/m; Power Drift = 0.033 dB

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

Peak E-field in V/m

Grid 1	Grid 2	Grid 3
97.4	98.2	95.4
Grid 4	Grid 5	Grid 6
49.3	52.2	52.5
Grid 7	Grid 8	Grid 9
89.8	93.3	94.9

Category	AWF (dB)	Limits for E-Field Emissions (V/m)	Limits for H-Field Emissions (A/m)
M1	0	631.0 – 1122.0	1.91 – 3.39
	-5	473.2 – 841.4	1.43 – 2.54
M2	0	354.8 – 631.0	1.07 – 1.91
	-5	266.1 – 473.2	0.80 – 1.43
M3	0	199.5 – 354.8	0.60 – 1.07
	-5	149.6 – 266.1	0.45 – 0.80
M4	0	<199.5	<0.60
	-5	<149.6	<0.45



0 dB = 98.2V/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

DASY4 Configuration:

- Probe: ER3DV6 - SN2345; ConvF(1, 1, 1); Calibrated: 5/31/2006
- Sensor-Surface: (Fix Surface)
- Electronics: DAE3 Sn500; Calibrated: 8/23/2006
- Phantom: HAC Test Arch; Type: SD HAC P01 BA; Serial: 1027
- Measurement SW: DASY4, V4.7 Build 53; Postprocessing SW: SEMCAD, V1.8 Build 172

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

Measurement grid: dx=5mm, dy=5mm

Maximum value of peak Total field = **148.2** V/m

Probe Modulation Factor = 1.00

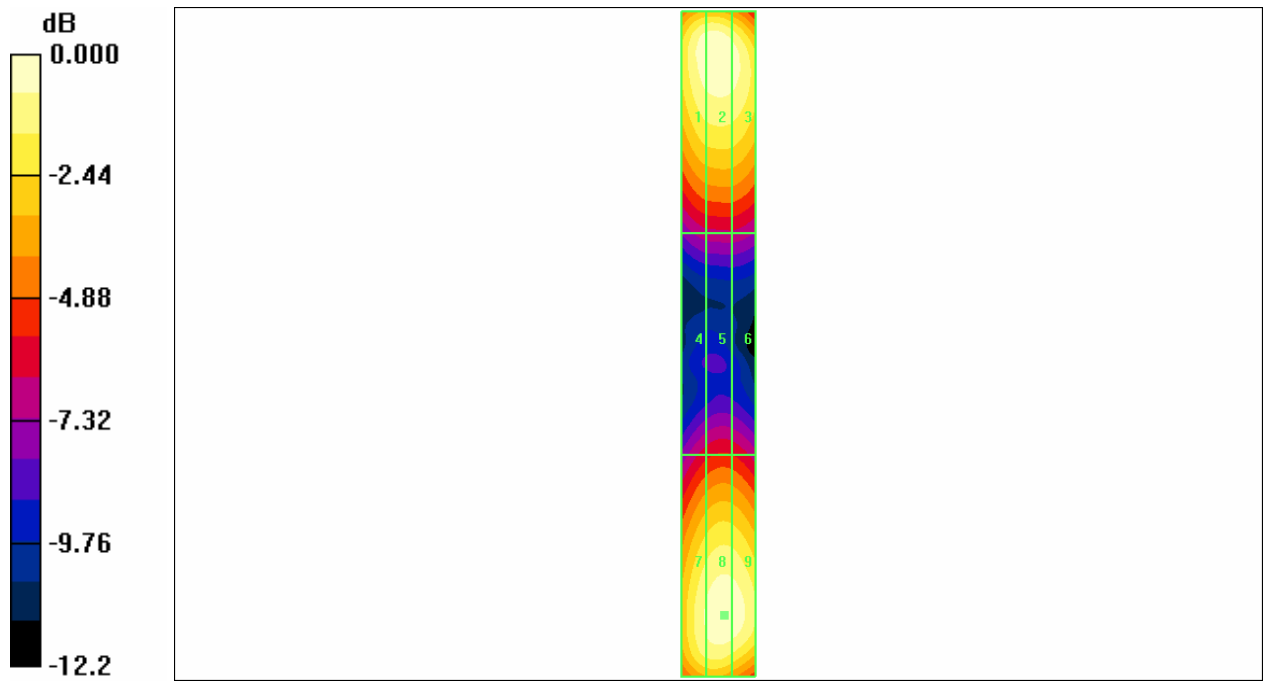
Reference Value = 111.2 V/m; Power Drift = -0.032 dB

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

Peak E-field in V/m

Grid 1	Grid 2	Grid 3
147.0	148.2	146.6
Grid 4	Grid 5	Grid 6
76.5	80.2	78.0
Grid 7	Grid 8	Grid 9
137.4	147.1	146.5

Category	AWF (dB)	Limits for E-Field Emissions (V/m)	Limits for H-Field Emissions (A/m)
M1	0	631.0 – 1122.0	1.91 – 3.39
	-5	473.2 – 841.4	1.43 – 2.54
M2	0	354.8 – 631.0	1.07 – 1.91
	-5	266.1 – 473.2	0.80 – 1.43
M3	0	199.5 – 354.8	0.60 – 1.07
	-5	149.6 – 266.1	0.45 – 0.80
M4	0	<199.5	<0.60
	-5	<149.6	<0.45



0 dB = 148.2V/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

DASY4 Configuration:

- Probe: ER3DV6 - SN2345; ConvF(1, 1, 1); Calibrated: 5/31/2006
- Sensor-Surface: (Fix Surface)
- Electronics: DAE3 Sn500; Calibrated: 8/23/2006
- Phantom: HAC Test Arch; Type: SD HAC P01 BA; Serial: 1027
- Measurement SW: DASY4, V4.7 Build 53; Postprocessing SW: SEMCAD, V1.8 Build 172

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

Measurement grid: dx=5mm, dy=5mm

Maximum value of peak Total field = **134.5** V/m

Probe Modulation Factor = 1.00

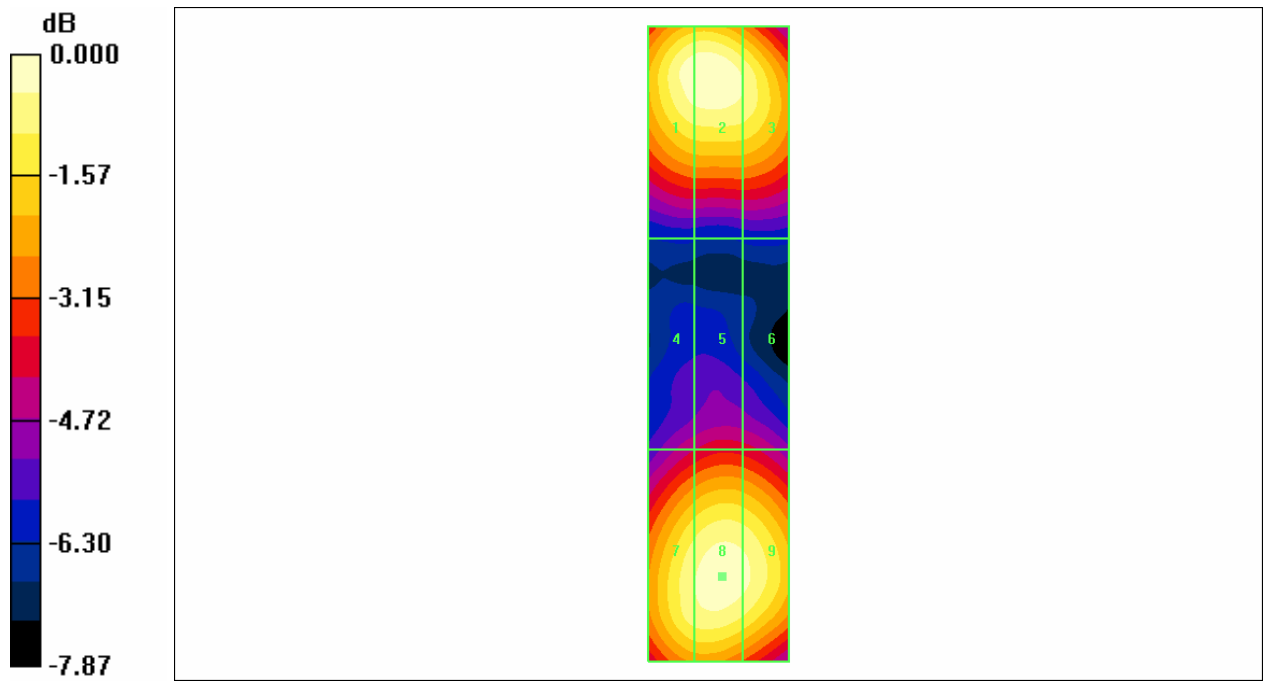
Reference Value = 135.3 V/m; Power Drift = -0.051 dB

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

Peak E-field in V/m

Grid 1	Grid 2	Grid 3
131.2	134.5	122.8
Grid 4	Grid 5	Grid 6
82.1	87.1	84.2
Grid 7	Grid 8	Grid 9
124.5	129.7	126.9

Category	AWF (dB)	Limits for E-Field Emissions (V/m)	Limits for H-Field Emissions (A/m)
M1	0	631.0 – 1122.0	1.91 – 3.39
	-5	473.2 – 841.4	1.43 – 2.54
M2	0	354.8 – 631.0	1.07 – 1.91
	-5	266.1 – 473.2	0.80 – 1.43
M3	0	199.5 – 354.8	0.60 – 1.07
	-5	149.6 – 266.1	0.45 – 0.80
M4	0	<199.5	<0.60
	-5	<149.6	<0.45



0 dB = 134.5V/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

DASY4 Configuration:

- Probe: ER3DV6 - SN2345; ConvF(1, 1, 1); Calibrated: 5/31/2006
- Sensor-Surface: (Fix Surface)
- Electronics: DAE3 Sn500; Calibrated: 8/23/2006
- Phantom: HAC Test Arch; Type: SD HAC P01 BA; Serial: 1027
- Measurement SW: DASY4, V4.7 Build 53; Postprocessing SW: SEMCAD, V1.8 Build 172

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

Measurement grid: dx=5mm, dy=5mm

Maximum value of peak Total field = **83.6** V/m

Probe Modulation Factor = 1.00

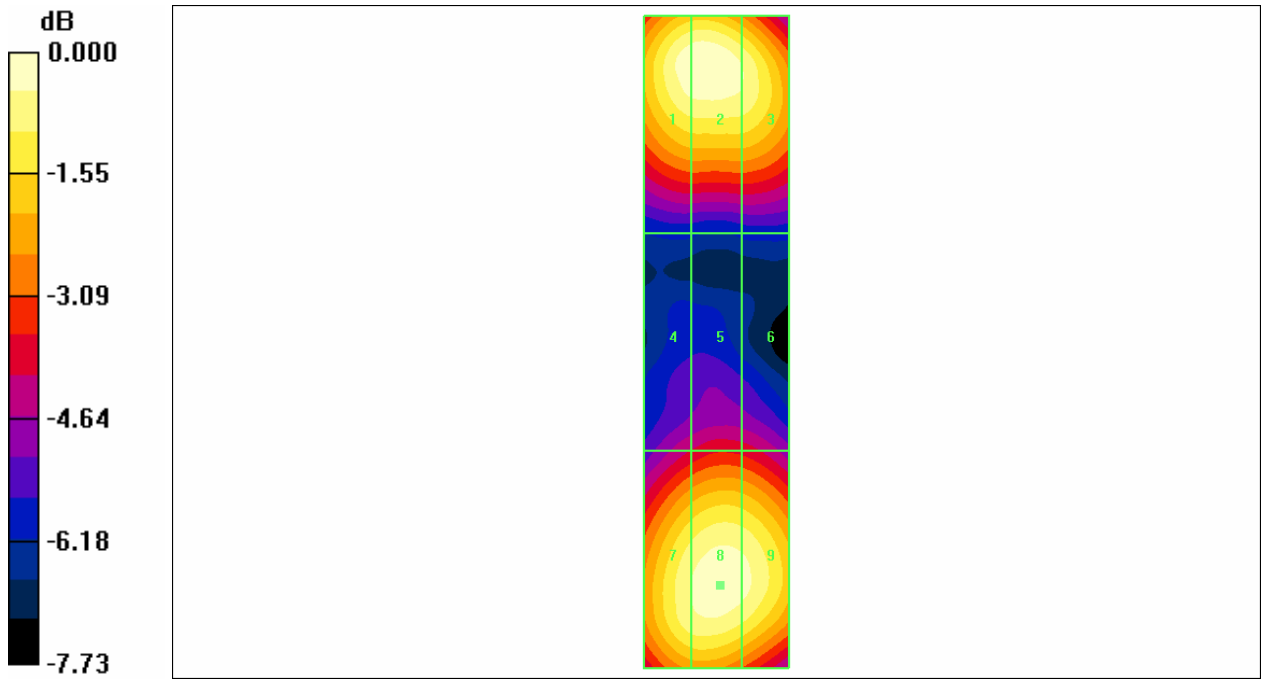
Reference Value = 84.1 V/m; Power Drift = 0.032 dB

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

Peak E-field in V/m

Grid 1	Grid 2	Grid 3
82.8	83.6	78.5
Grid 4	Grid 5	Grid 6
51.6	55.0	53.5
Grid 7	Grid 8	Grid 9
79.0	81.3	80.3

Category	AWF (dB)	Limits for E-Field Emissions (V/m)	Limits for H-Field Emissions (A/m)
M1	0	631.0 – 1122.0	1.91 – 3.39
	-5	473.2 – 841.4	1.43 – 2.54
M2	0	354.8 – 631.0	1.07 – 1.91
	-5	266.1 – 473.2	0.80 – 1.43
M3	0	199.5 – 354.8	0.60 – 1.07
	-5	149.6 – 266.1	0.45 – 0.80
M4	0	<199.5	<0.60
	-5	<149.6	<0.45



0 dB = 83.6V/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

DASY4 Configuration:

- Probe: ER3DV6 - SN2345; ConvF(1, 1, 1); Calibrated: 5/31/2006
- Sensor-Surface: (Fix Surface)
- Electronics: DAE3 Sn500; Calibrated: 8/23/2006
- Phantom: HAC Test Arch; Type: SD HAC P01 BA; Serial: 1027
- Measurement SW: DASY4, V4.7 Build 53; Postprocessing SW: SEMCAD, V1.8 Build 172

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

Measurement grid: dx=5mm, dy=5mm

Maximum value of peak Total field = **127.2** V/m

Probe Modulation Factor = 1.00

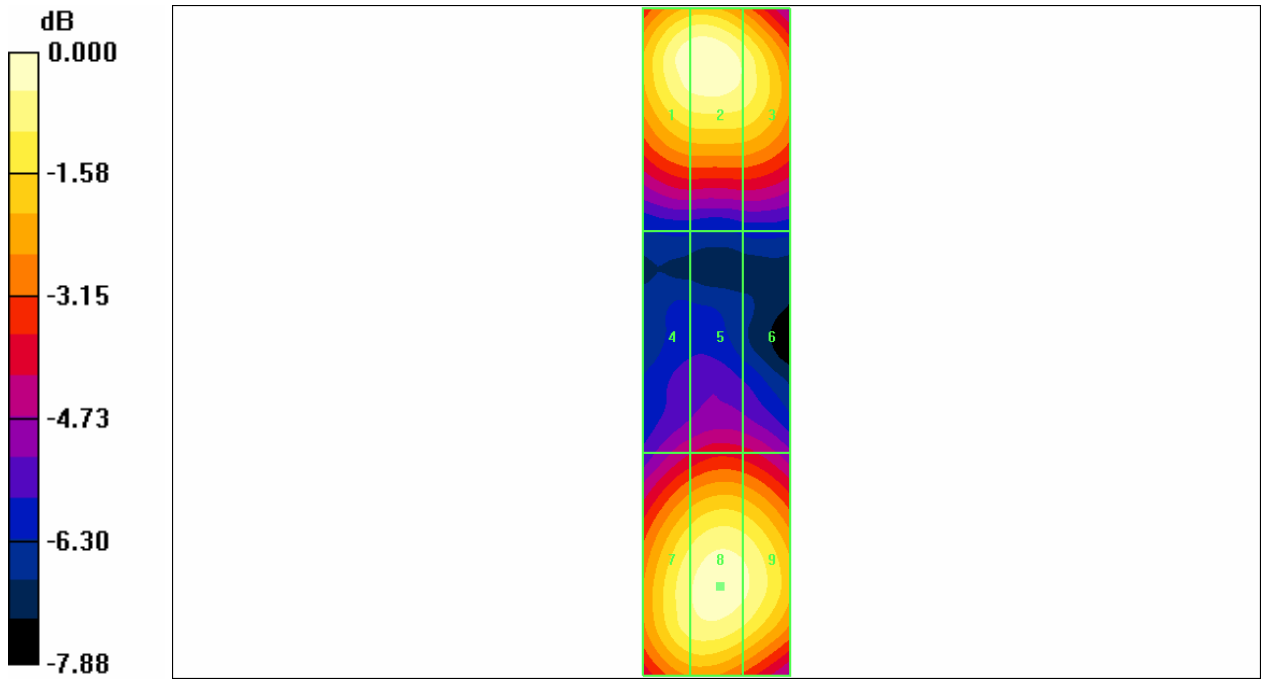
Reference Value = 129.7 V/m; Power Drift = 0.042 dB

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

Peak E-field in V/m

Grid 1	Grid 2	Grid 3
123.3	127.2	119.2
Grid 4	Grid 5	Grid 6
76.8	82.2	81.5
Grid 7	Grid 8	Grid 9
115.5	121.8	117.2

Category	AWF (dB)	Limits for E-Field Emissions (V/m)	Limits for H-Field Emissions (A/m)
M1	0	631.0 – 1122.0	1.91 – 3.39
	-5	473.2 – 841.4	1.43 – 2.54
M2	0	354.8 – 631.0	1.07 – 1.91
	-5	266.1 – 473.2	0.80 – 1.43
M3	0	199.5 – 354.8	0.60 – 1.07
	-5	149.6 – 266.1	0.45 – 0.80
M4	0	<199.5	<0.60
	-5	<149.6	<0.45



0 dB = 127.2V/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

DASY4 Configuration:

- Probe: ER3DV6 - SN2345; ConvF(1, 1, 1); Calibrated: 5/31/2006
- Sensor-Surface: (Fix Surface)
- Electronics: DAE3 Sn500; Calibrated: 8/23/2006
- Phantom: HAC Test Arch; Type: SD HAC P01 BA; Serial: 1027
- Measurement SW: DASY4, V4.7 Build 53; Postprocessing SW: SEMCAD, V1.8 Build 172

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

Measurement grid: dx=5mm, dy=5mm

Maximum value of peak Total field = **131.8** V/m

Probe Modulation Factor = 1.00

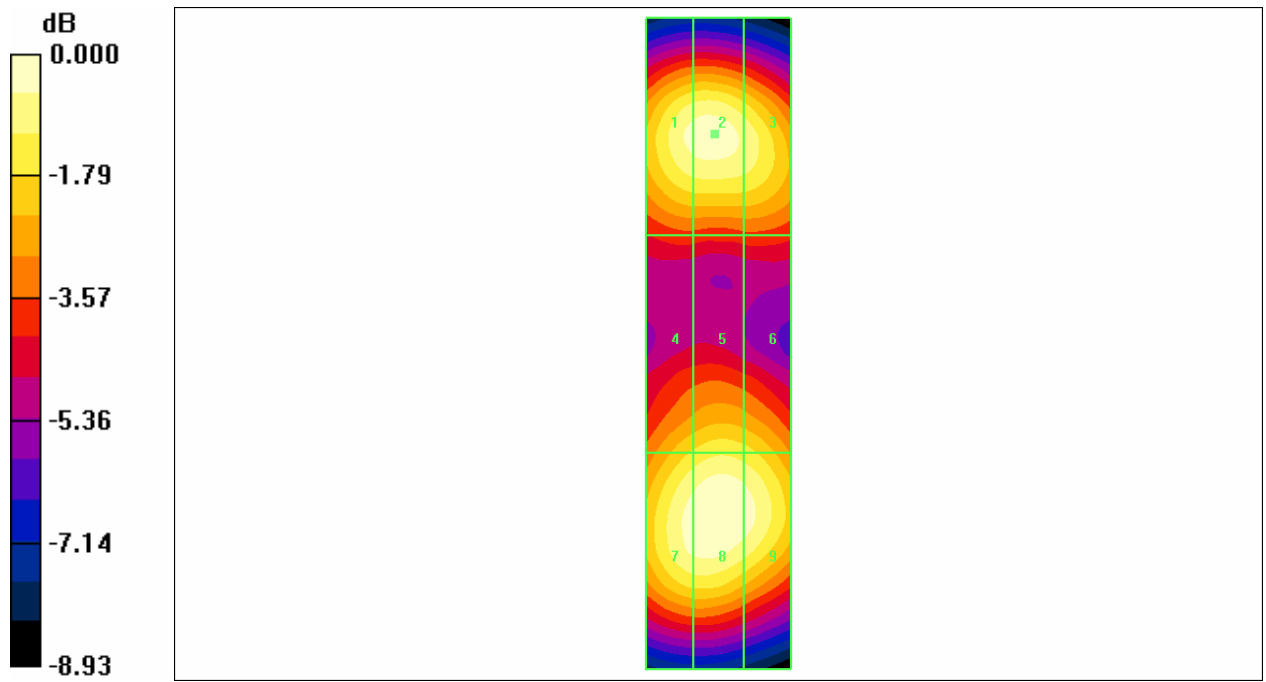
Reference Value = 79.9 V/m; Power Drift = 0.044 dB

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

Peak E-field in V/m

Grid 1	Grid 2	Grid 3
124.0	126.4	119.4
Grid 4	Grid 5	Grid 6
106.7	111.8	109.1
Grid 7	Grid 8	Grid 9
125.5	131.8	125.4

Category	AWF (dB)	Limits for E-Field Emissions (V/m)	Limits for H-Field Emissions (A/m)
M1	0	631.0 – 1122.0	1.91 – 3.39
	-5	473.2 – 841.4	1.43 – 2.54
M2	0	354.8 – 631.0	1.07 – 1.91
	-5	266.1 – 473.2	0.80 – 1.43
M3	0	199.5 – 354.8	0.60 – 1.07
	-5	149.6 – 266.1	0.45 – 0.80
M4	0	<199.5	<0.60
	-5	<149.6	<0.45



0 dB = 131.8V/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

DASY4 Configuration:

- Probe: ER3DV6 - SN2345; ConvF(1, 1, 1); Calibrated: 5/31/2006
- Sensor-Surface: (Fix Surface)
- Electronics: DAE3 Sn500; Calibrated: 8/23/2006
- Phantom: HAC Test Arch; Type: SD HAC P01 BA; Serial: 1027
- Measurement SW: DASY4, V4.7 Build 53; Postprocessing SW: SEMCAD, V1.8 Build 172

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

Measurement grid: dx=5mm, dy=5mm

Maximum value of peak Total field = **75.2** V/m

Probe Modulation Factor = 1.00

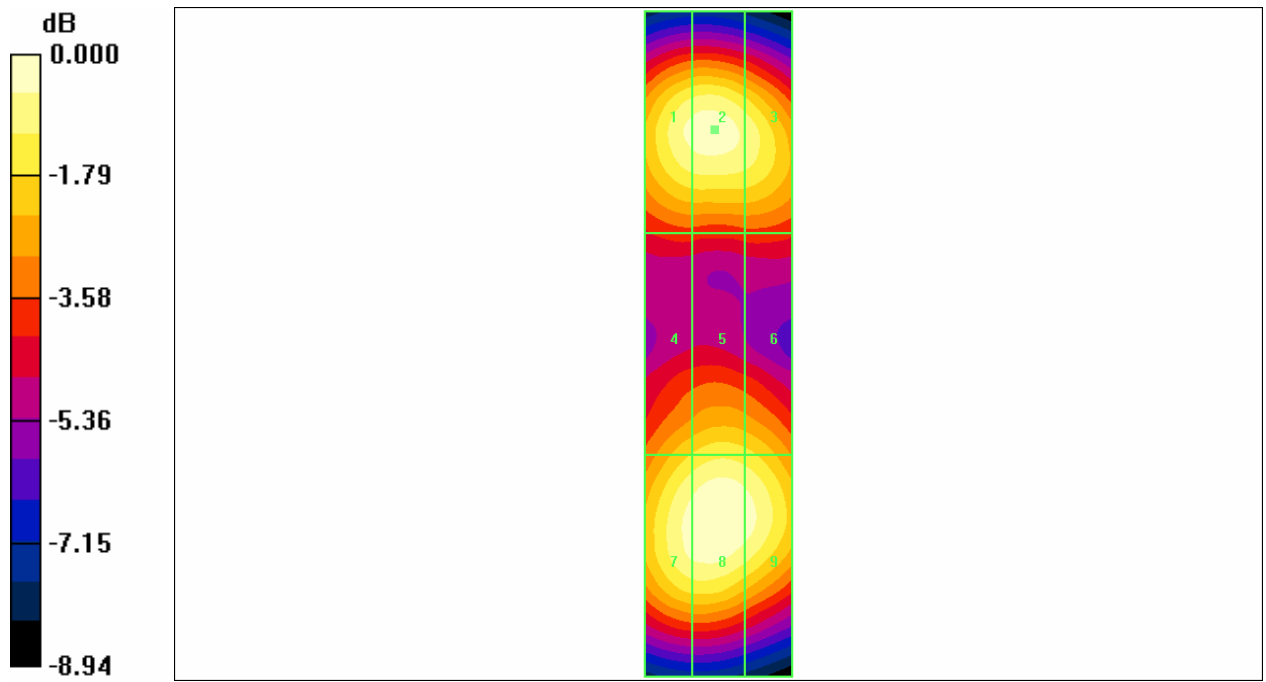
Reference Value = 45.3 V/m; Power Drift = 0.026 dB

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

Peak E-field in V/m

Grid 1	Grid 2	Grid 3
71.2	71.2	66.6
Grid 4	Grid 5	Grid 6
61.3	64.2	61.6
Grid 7	Grid 8	Grid 9
70.3	75.2	70.1

Category	AWF (dB)	Limits for E-Field Emissions (V/m)	Limits for H-Field Emissions (A/m)
M1	0	631.0 – 1122.0	1.91 – 3.39
	-5	473.2 – 841.4	1.43 – 2.54
M2	0	354.8 – 631.0	1.07 – 1.91
	-5	266.1 – 473.2	0.80 – 1.43
M3	0	199.5 – 354.8	0.60 – 1.07
	-5	149.6 – 266.1	0.45 – 0.80
M4	0	<199.5	<0.60
	-5	<149.6	<0.45



0 dB = 75.2V/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

DASY4 Configuration:

- Probe: H3DV6 - SN6163; Calibrated: 5/31/2006
- Sensor-Surface: (Fix Surface)
- Electronics: DAE3 Sn500; Calibrated: 8/23/2006
- Phantom: HAC Test Arch; Type: SD HAC P01 BA; Serial: 1027
- Measurement SW: DASY4, V4.7 Build 53; Postprocessing SW: SEMCAD, V1.8 Build 172

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

Measurement grid: dx=5mm, dy=5mm

Maximum value of peak Total field = **0.445** A/m

Probe Modulation Factor = 1.00

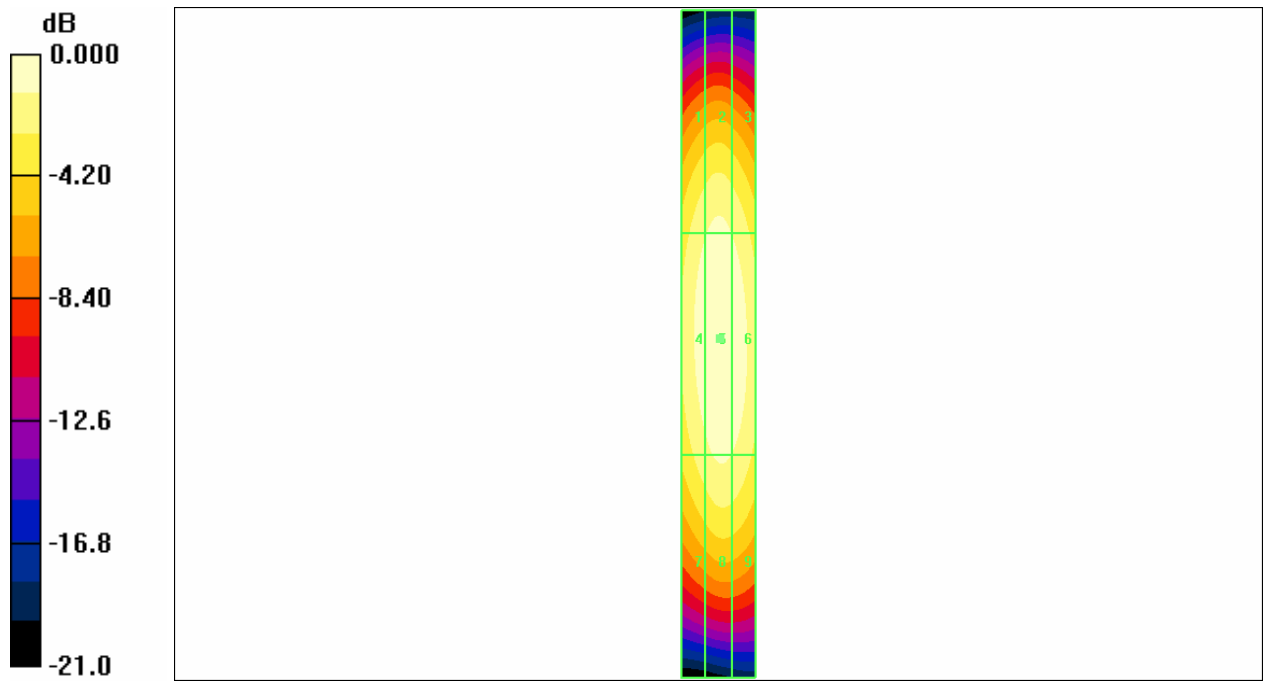
Reference Value = 0.472 A/m; Power Drift = 0.041 dB

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

Peak H-field in A/m

Grid 1	Grid 2	Grid 3
0.366	0.388	0.364
Grid 4	Grid 5	Grid 6
0.409	0.445	0.412
Grid 7	Grid 8	Grid 9
0.352	0.381	0.368

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 = 0.445A/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

DASY4 Configuration:

- Probe: H3DV6 - SN6163; Calibrated: 5/31/2006
- Sensor-Surface: (Fix Surface)
- Electronics: DAE3 Sn500; Calibrated: 8/23/2006
- Phantom: HAC Test Arch; Type: SD HAC P01 BA; Serial: 1027
- Measurement SW: DASY4, V4.7 Build 53; Postprocessing SW: SEMCAD, V1.8 Build 172

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

Measurement grid: dx=5mm, dy=5mm

Maximum value of peak Total field = **0.286** A/m

Probe Modulation Factor = 1.00

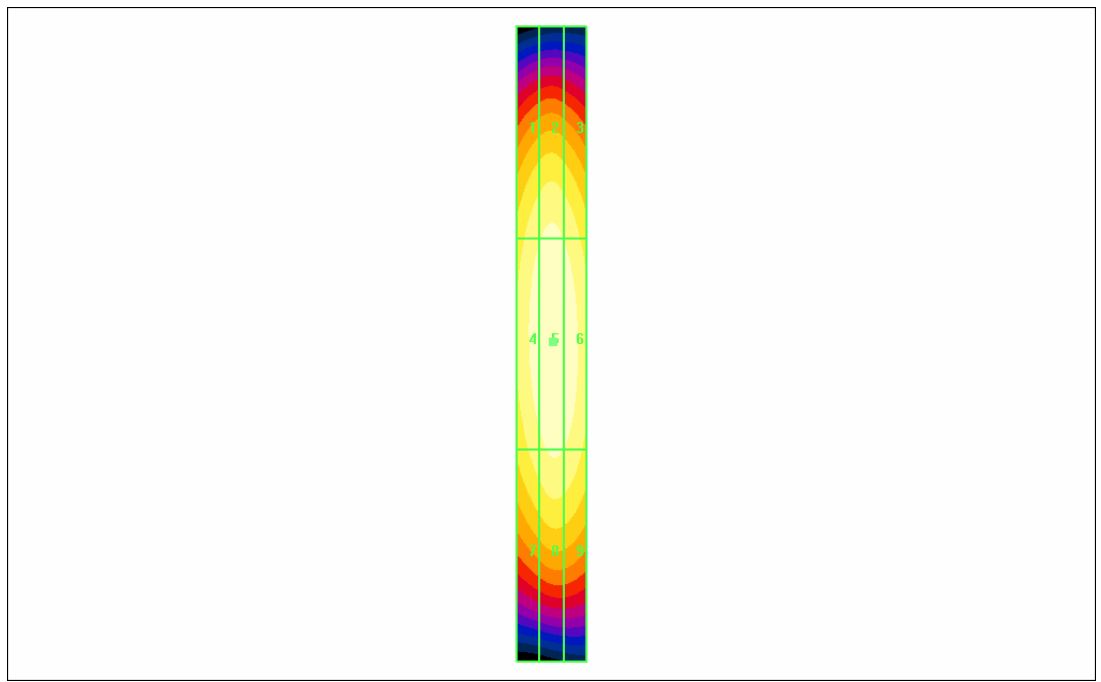
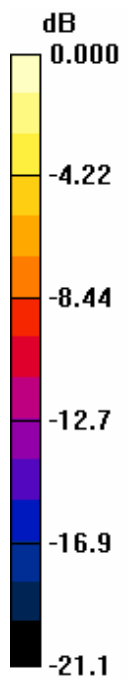
Reference Value = 0.302 A/m; Power Drift = -0.022 dB

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

Peak H-field in A/m

Grid 1	Grid 2	Grid 3
0.239	0.252	0.236
Grid 4	Grid 5	Grid 6
0.257	0.286	0.272
Grid 7	Grid 8	Grid 9
0.221	0.241	0.238

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 = 0.286A/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

DASY4 Configuration:

- Probe: H3DV6 - SN6163; Calibrated: 5/31/2006
- Sensor-Surface: (Fix Surface)
- Electronics: DAE3 Sn500; Calibrated: 8/23/2006
- Phantom: HAC Test Arch; Type: SD HAC P01 BA; Serial: 1027
- Measurement SW: DASY4, V4.7 Build 53; Postprocessing SW: SEMCAD, V1.8 Build 172

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

Measurement grid: dx=5mm, dy=5mm

Maximum value of peak Total field = **0.428** A/m

Probe Modulation Factor = 1.00

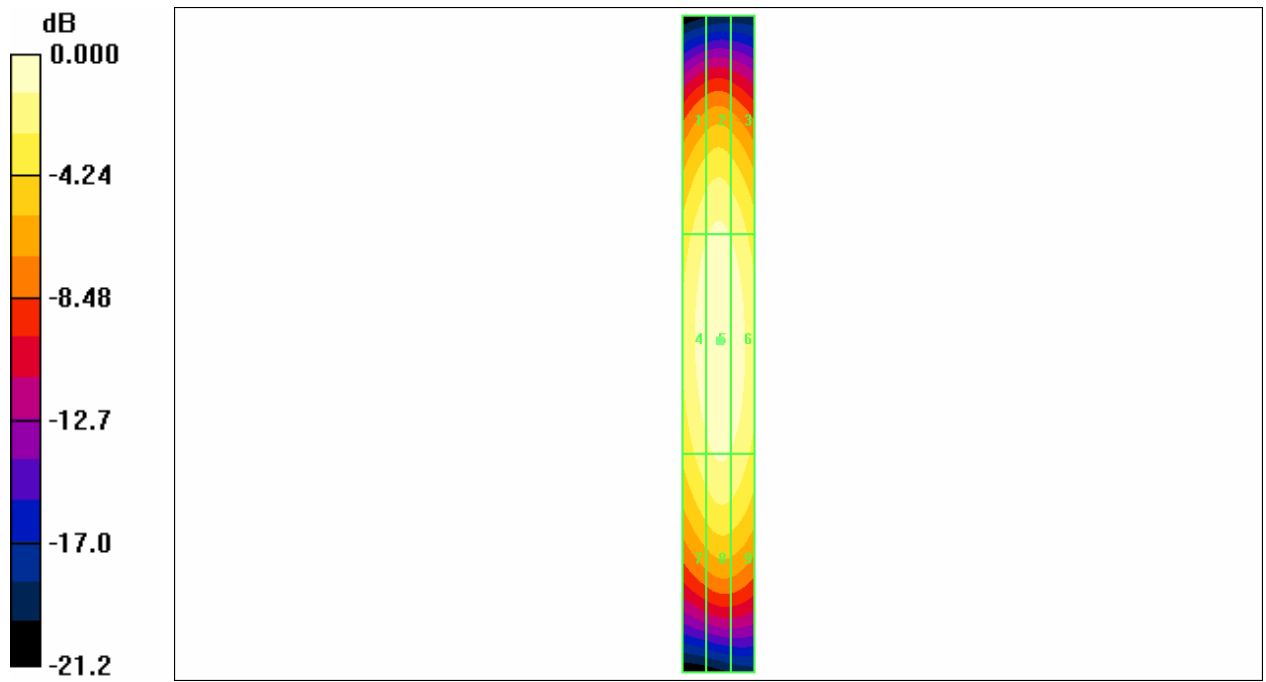
Reference Value = 0.455 A/m; Power Drift = -0.017 dB

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

Peak H-field in A/m

Grid 1	Grid 2	Grid 3
0.349	0.369	0.344
Grid 4	Grid 5	Grid 6
0.392	0.428	0.394
Grid 7	Grid 8	Grid 9
0.333	0.361	0.353

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 = 0.428A/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

DASY4 Configuration:

- Probe: H3DV6 - SN6163; Calibrated: 5/31/2006
- Sensor-Surface: (Fix Surface)
- Electronics: DAE3 Sn500; Calibrated: 8/23/2006
- Phantom: HAC Test Arch; Type: SD HAC P01 BA; Serial: 1027
- Measurement SW: DASY4, V4.7 Build 53; Postprocessing SW: SEMCAD, V1.8 Build 172

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 = **0.450** A/m

Probe Modulation Factor = 1.00

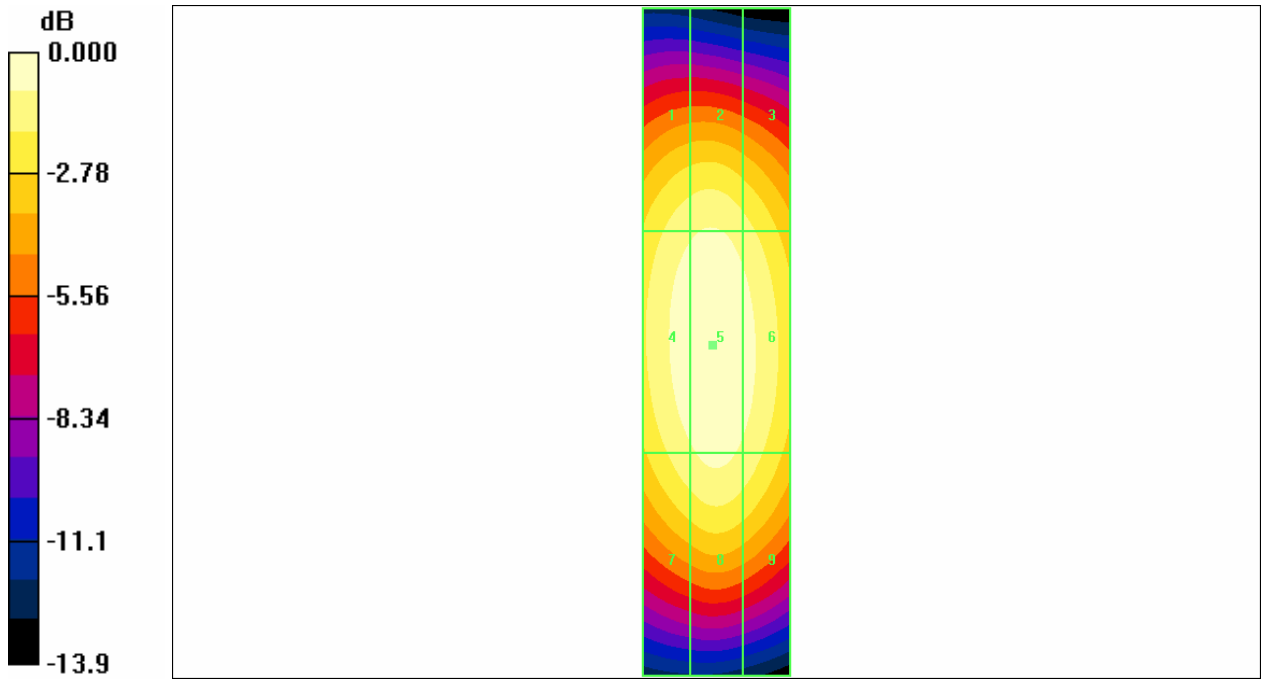
Reference Value = 0.466 A/m; Power Drift = 0.032 dB

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

Peak H-field in A/m

Grid 1	Grid 2	Grid 3
0.382	0.396	0.372
Grid 4	Grid 5	Grid 6
0.422	0.450	0.415
Grid 7	Grid 8	Grid 9
0.381	0.405	0.386

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 = 0.450A/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

DASY4 Configuration:

- Probe: H3DV6 - SN6163; Calibrated: 5/31/2006
- Sensor-Surface: (Fix Surface)
- Electronics: DAE3 Sn500; Calibrated: 8/23/2006
- Phantom: HAC Test Arch; Type: SD HAC P01 BA; Serial: 1027
- Measurement SW: DASY4, V4.7 Build 53; Postprocessing SW: SEMCAD, V1.8 Build 172

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 = **0.288** A/m

Probe Modulation Factor = 1.00

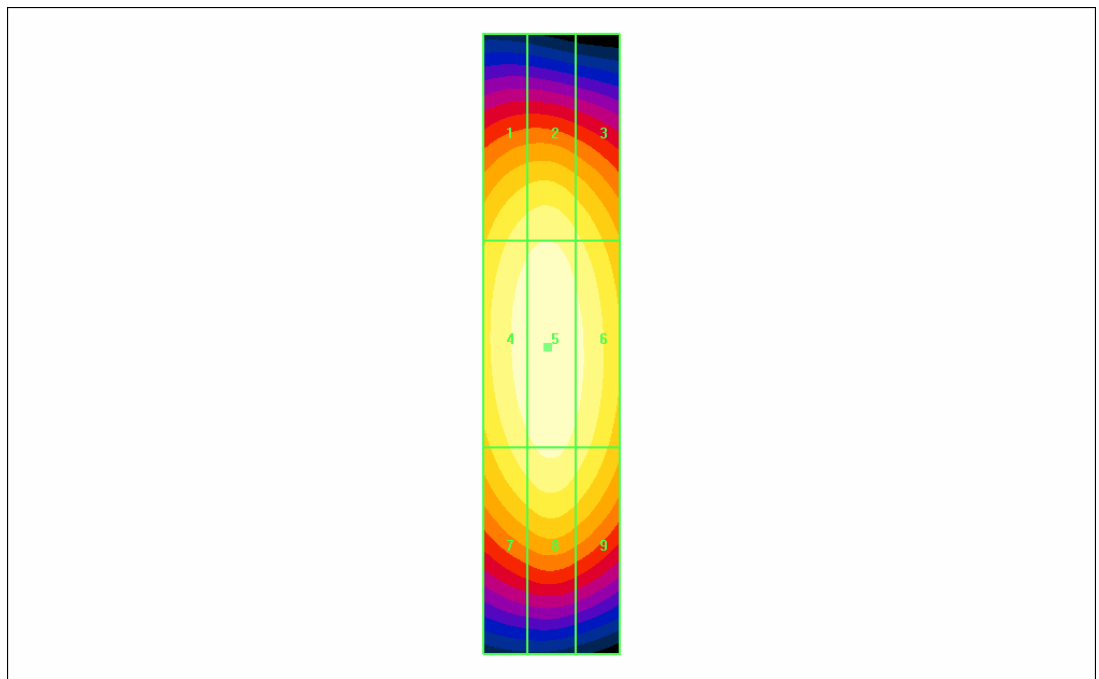
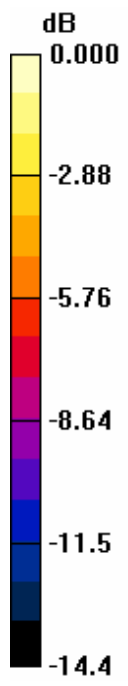
Reference Value = 0.308 A/m; Power Drift = 0.023 dB

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

Peak H-field in A/m

Grid 1	Grid 2	Grid 3
0.254	0.267	0.246
Grid 4	Grid 5	Grid 6
0.284	0.288	0.277
Grid 7	Grid 8	Grid 9
0.258	0.276	0.251

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 = 0.288A/m

Test Laboratory: Compliance Certification Services Inc.

HAC_H_Dipole_1880MHz-CDMA

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

DASY4 Configuration:

- Probe: H3DV6 - SN6163; Calibrated: 5/31/2006
- Sensor-Surface: (Fix Surface)
- Electronics: DAE3 Sn500; Calibrated: 8/23/2006
- Phantom: HAC Test Arch; Type: SD HAC P01 BA; Serial: 1027
- Measurement SW: DASY4, V4.7 Build 53; Postprocessing SW: SEMCAD, V1.8 Build 172

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 = **0.445** A/m

Probe Modulation Factor = 1.00

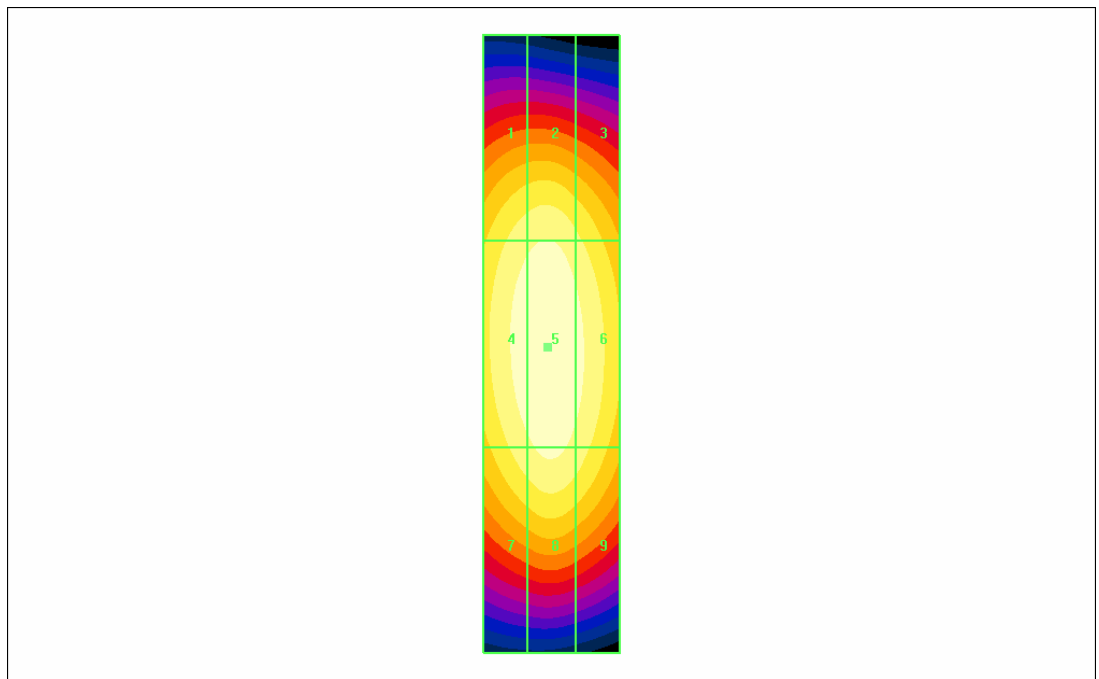
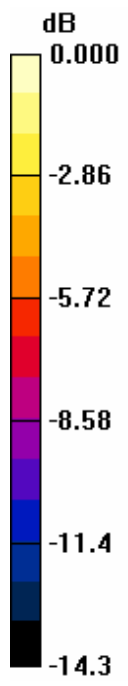
Reference Value = 0.463 A/m; Power Drift = -0.033 dB

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

Peak H-field in A/m

Grid 1	Grid 2	Grid 3
0.377	0.386	0.359
Grid 4	Grid 5	Grid 6
0.411	0.445	0.404
Grid 7	Grid 8	Grid 9
0.374	0.396	0.366

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 = 0.445A/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

DASY4 Configuration:

- Probe: H3DV6 - SN6163; Calibrated: 5/31/2006
- Sensor-Surface: (Fix Surface)
- Electronics: DAE3 Sn500; Calibrated: 8/23/2006
- Phantom: HAC Test Arch; Type: SD HAC P01 BA; Serial: 1027
- Measurement SW: DASY4, V4.7 Build 53; Postprocessing SW: SEMCAD, V1.8 Build 172

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 = **0.459** A/m

Probe Modulation Factor = 1.00

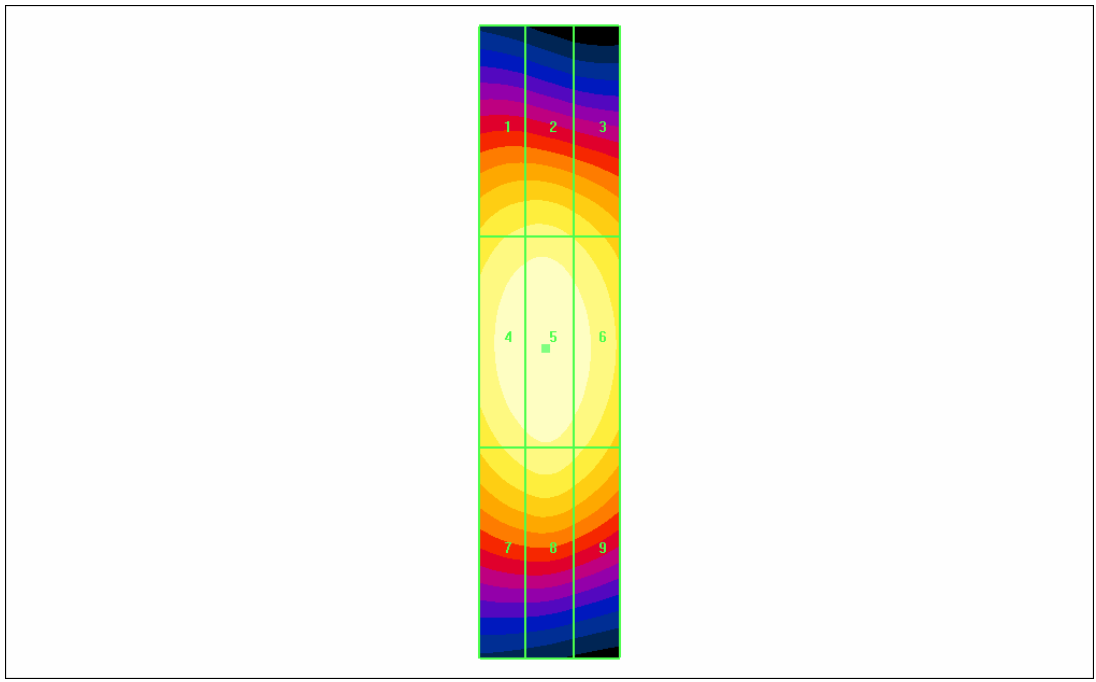
Reference Value = 0.482 A/m; Power Drift = -0.065 dB

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

Peak H-field in A/m

Grid 1	Grid 2	Grid 3
0.365	0.371	0.341
Grid 4	Grid 5	Grid 6
0.441	0.459	0.422
Grid 7	Grid 8	Grid 9
0.379	0.392	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 = 0.459A/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

DASY4 Configuration:

- Probe: H3DV6 - SN6163; Calibrated: 5/31/2006
- Sensor-Surface: (Fix Surface)
- Electronics: DAE3 Sn500; Calibrated: 8/23/2006
- Phantom: HAC Test Arch; Type: SD HAC P01 BA; Serial: 1027
- Measurement SW: DASY4, V4.7 Build 53; Postprocessing SW: SEMCAD, V1.8 Build 172

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 = **0.266** A/m

Probe Modulation Factor = 1.00

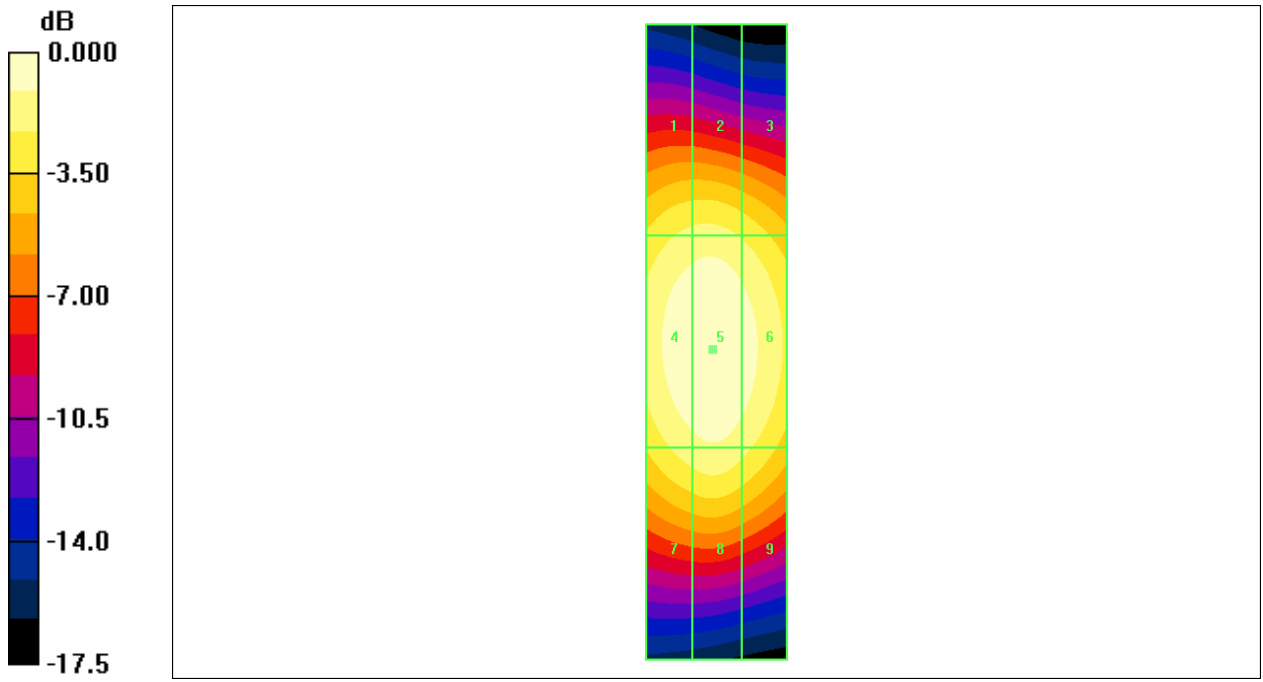
Reference Value = 0.279 A/m; Power Drift = -0.055 dB

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

Peak H-field in A/m

Grid 1	Grid 2	Grid 3
0.209	0.206	0.199
Grid 4	Grid 5	Grid 6
0.252	0.266	0.246
Grid 7	Grid 8	Grid 9
0.215	0.222	0.202

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