

Test Laboratory: Compliance Certification Services

CDMA850 HAC_ER_Device

DUT: Intermecc; Type: CN50; Serial: 189V0900141

Communication System: CDMA; Frequency: 824.7 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 Sn427; Calibrated: 10/20/2008

- 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 - L-ch/Hearing Aid Compatibility Test (101x101x1): Measurement grid: dx=5mm, dy=5mm

Maximum value of peak Total field = 33.8 V/m

Probe Modulation Factor = 0.910

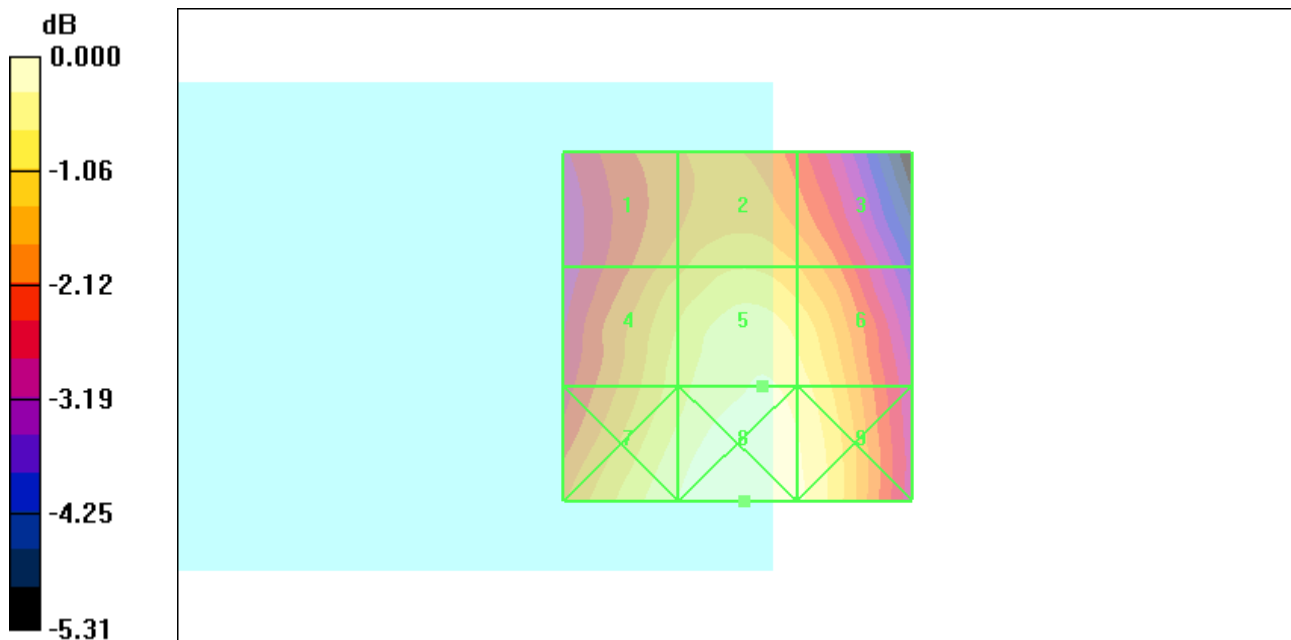
Device Reference Point: 0.000, 0.000, -6.30 mm

Reference Value = 46.1 V/m; Power Drift = -0.040 dB

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

Peak E-field in V/m

Grid 1 29.4 M4	Grid 2 30.9 M4	Grid 3 29.9 M4
Grid 4 31.7 M4	Grid 5 33.8 M4	Grid 6 33.0 M4
Grid 7 33.7 M4	Grid 8 35.0 M4	Grid 9 34.0 M4



0 dB = 35.0V/m

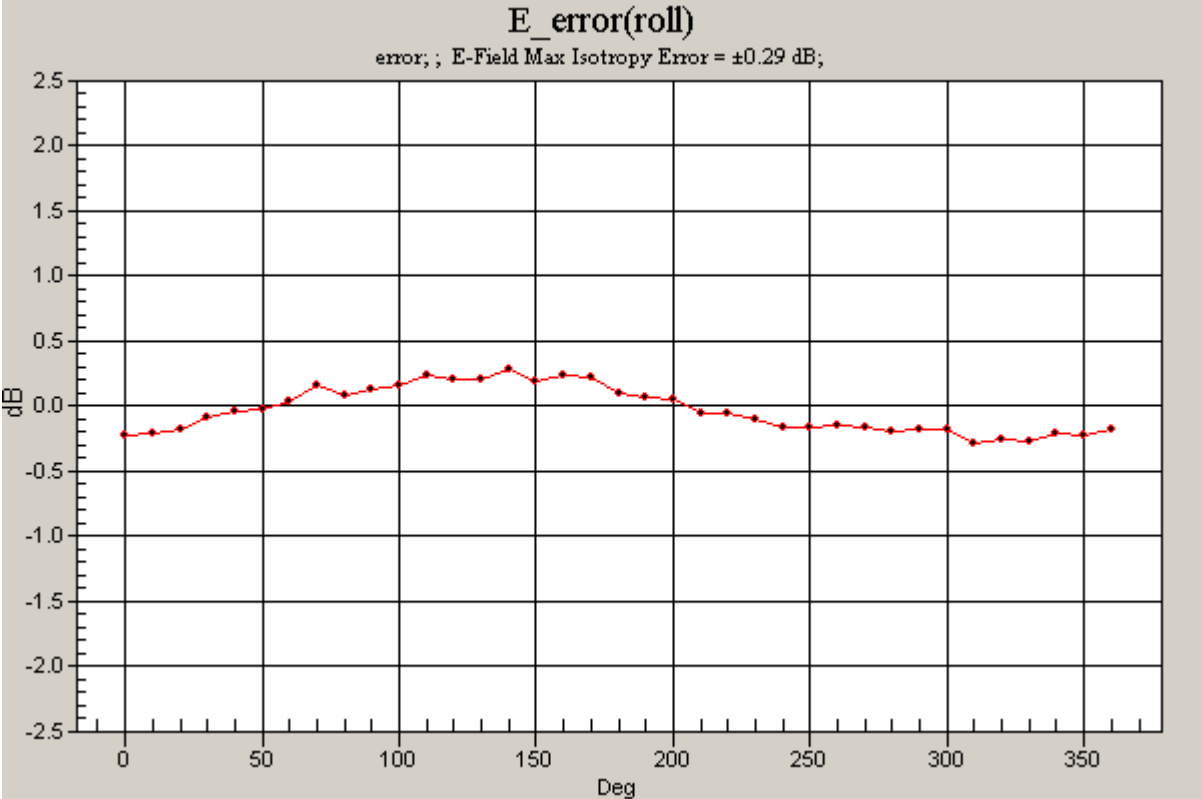
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CDMA850 HAC_ER_Device

DUT: Intermec; Type: CN50; Serial: 189V0900141

Communication System: CDMA; Frequency: 824.7 MHz;Duty Cycle: 1:1

E Scan - L-ch/Rotation (1D): 37 rotation steps; E-Field Max Isotropy Error = ± 0.29 dB;



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CDMA850 HAC_ER_Device

DUT: Intermecc; Type: CN50; Serial: 189V0900141

Communication System: CDMA; Frequency: 836.52 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 Sn427; Calibrated: 10/20/2008

- 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 - M-ch/Hearing Aid Compatibility Test (101x101x1): Measurement grid: dx=5mm, dy=5mm

Maximum value of peak Total field = 36.1 V/m

Probe Modulation Factor = 0.910

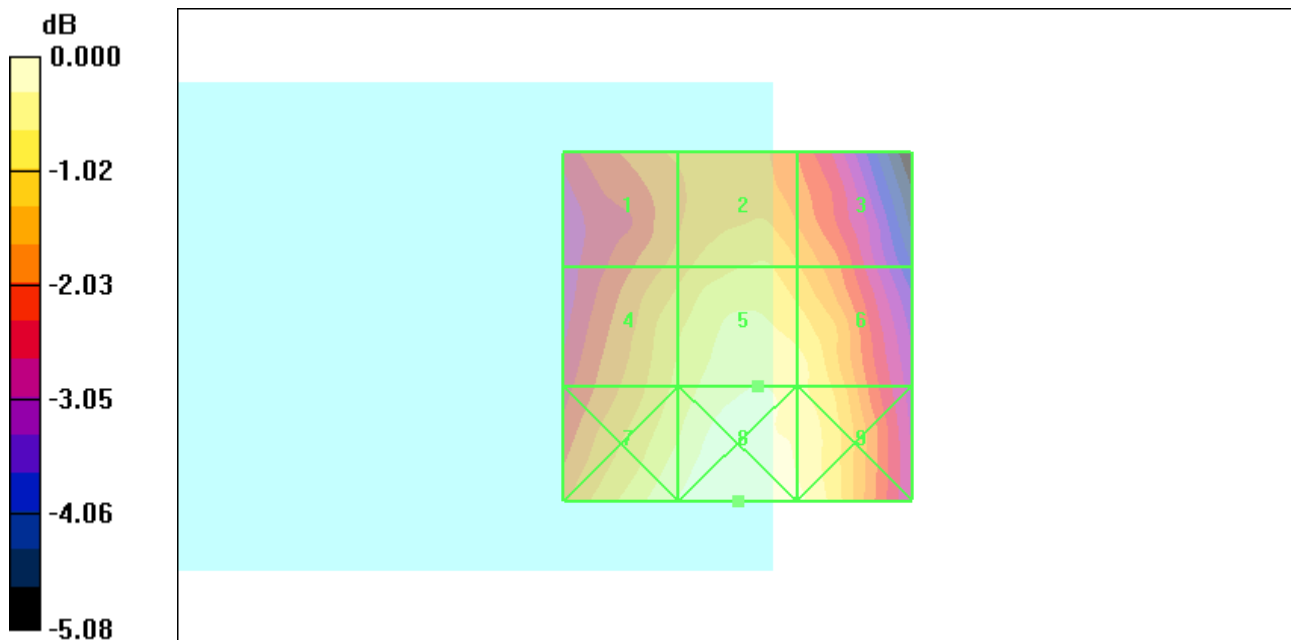
Device Reference Point: 0.000, 0.000, -6.30 mm

Reference Value = 50.1 V/m; Power Drift = -0.107 dB

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

Peak E-field in V/m

Grid 1 31.5 M4	Grid 2 33.5 M4	Grid 3 32.3 M4
Grid 4 33.8 M4	Grid 5 36.1 M4	Grid 6 35.3 M4
Grid 7 36.2 M4	Grid 8 37.5 M4	Grid 9 36.5 M4



0 dB = 37.5V/m

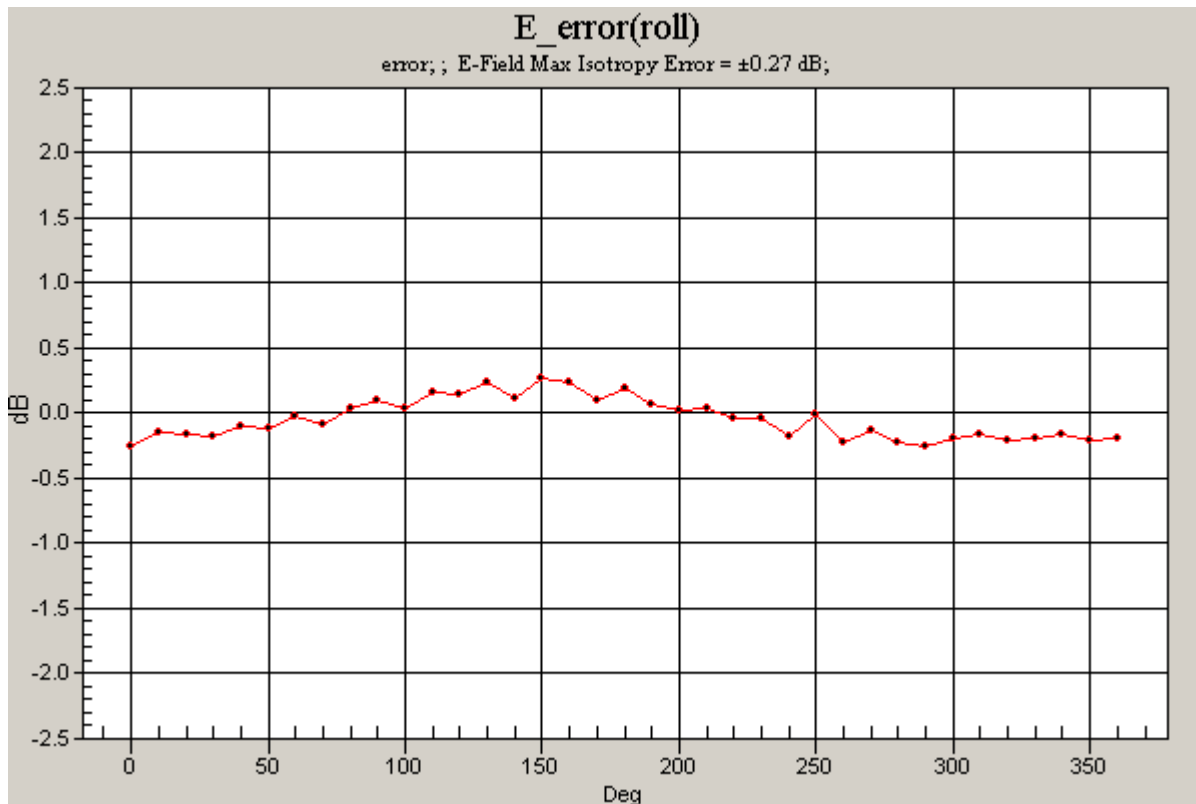
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CDMA850 HAC_ER_Device

DUT: Intermec; Type: CN50; Serial: 189V0900141

Communication System: CDMA; Frequency: 836.52 MHz; Duty Cycle: 1:1

E Scan - M-ch/Rotation (1D): 37 rotation steps; E-Field Max Isotropy Error = ± 0.27 dB;



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CDMA850 HAC_ER_Device

DUT: Intermecc; Type: CN50; Serial: 189V0900141

Communication System: CDMA; Frequency: 848.31 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 Sn427; Calibrated: 10/20/2008

- 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 - H-ch/Hearing Aid Compatibility Test (101x101x1): Measurement grid: dx=5mm, dy=5mm

Maximum value of peak Total field = 33.9 V/m

Probe Modulation Factor = 0.910

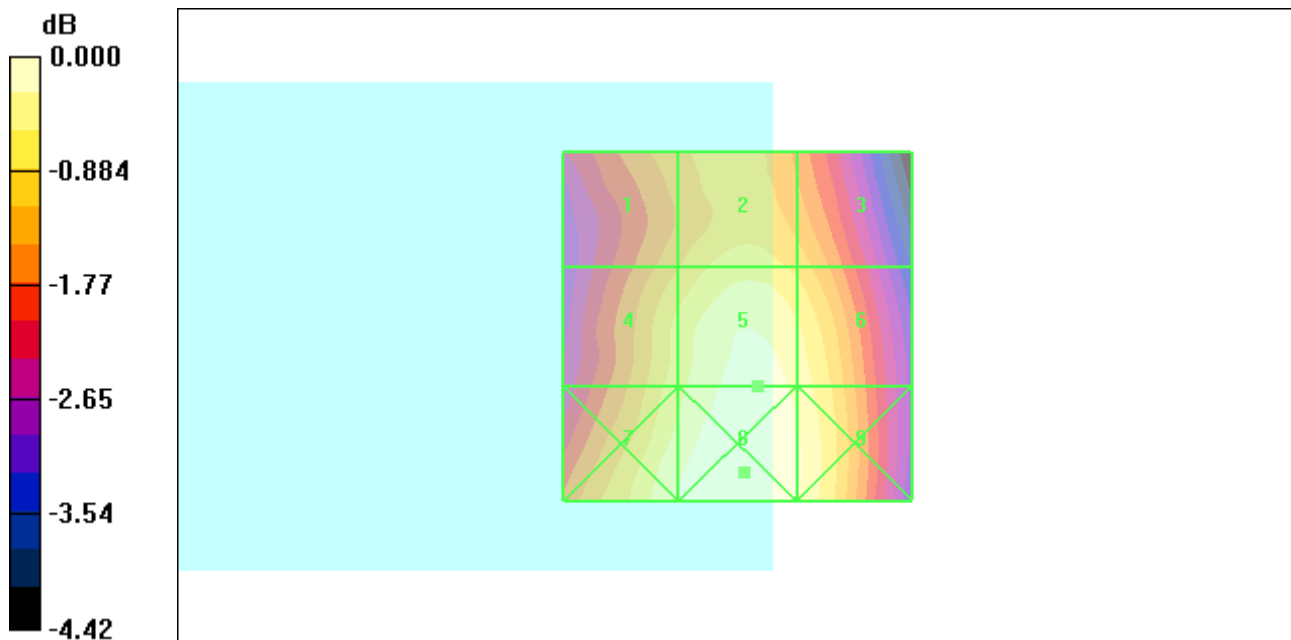
Device Reference Point: 0.000, 0.000, -6.30 mm

Reference Value = 46.9 V/m; Power Drift = -0.034 dB

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

Peak E-field in V/m

Grid 1 30.1 M4	Grid 2 31.8 M4	Grid 3 30.9 M4
Grid 4 31.9 M4	Grid 5 33.9 M4	Grid 6 33.0 M4
Grid 7 33.5 M4	Grid 8 34.5 M4	Grid 9 33.6 M4



0 dB = 34.5V/m

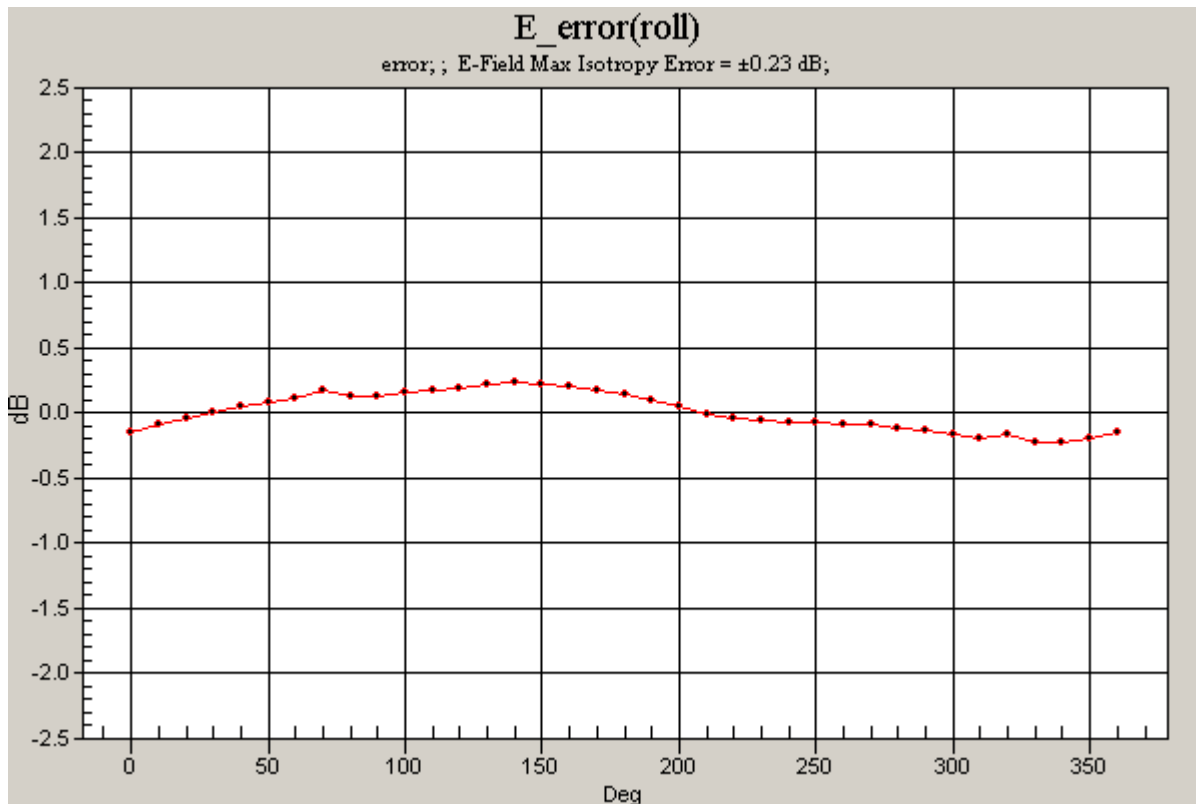
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CDMA850 HAC_ER_Device

DUT: Intermec; Type: CN50; Serial: 189V0900141

Communication System: CDMA; Frequency: 848.31 MHz; Duty Cycle: 1:1

E Scan - H-ch/Rotation (1D): 37 rotation steps; E-Field Max Isotropy Error = ± 0.23 dB;



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CDMA850 HAC_H3DV6_Device

DUT: Intermecc; Type: CN50; Serial: 189V0900141

Communication System: CDMA; Frequency: 824.7 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 Sn427; Calibrated: 10/20/2008

- 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 - L-ch/Hearing Aid Compatibility Test (101x101x1): Measurement grid: dx=5mm, dy=5mm

Maximum value of peak Total field = 0.075 A/m

Probe Modulation Factor = 0.880

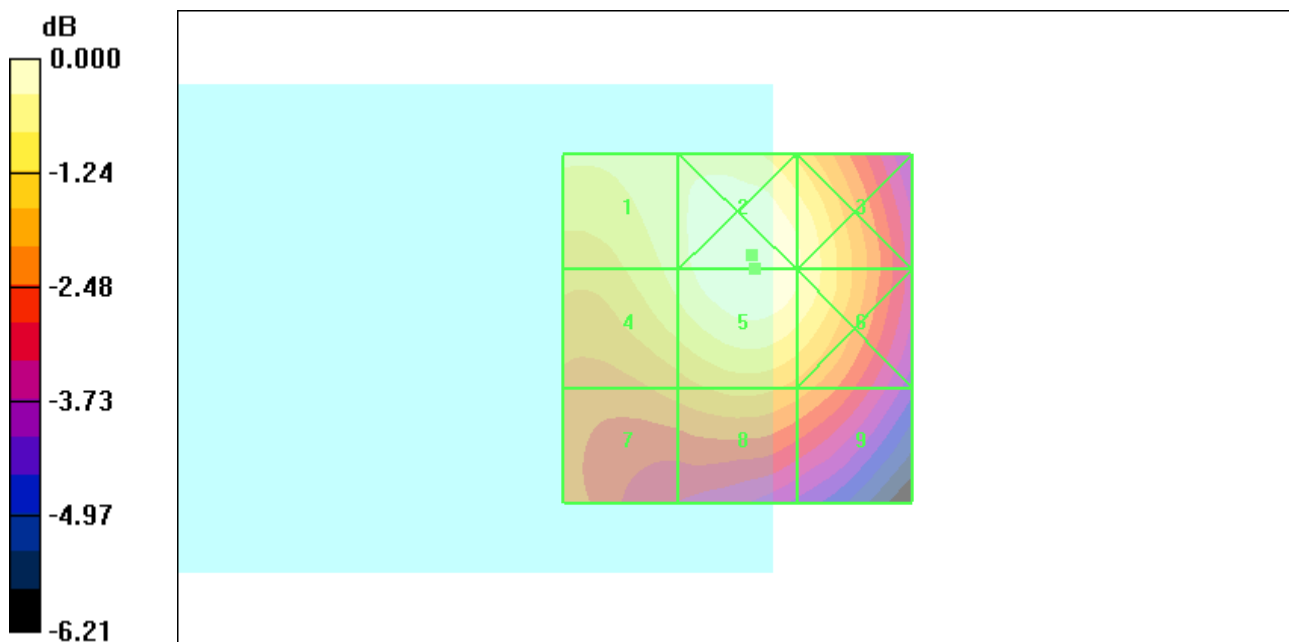
Device Reference Point: 0.000, 0.000, -6.30 mm

Reference Value = 0.103 A/m; Power Drift = 0.035 dB

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

Peak H-field in A/m

Grid 1 0.071 M4	Grid 2 0.075 M4	Grid 3 0.072 M4
Grid 4 0.070 M4	Grid 5 0.075 M4	Grid 6 0.072 M4
Grid 7 0.061 M4	Grid 8 0.063 M4	Grid 9 0.061 M4



0 dB = 0.075A/m

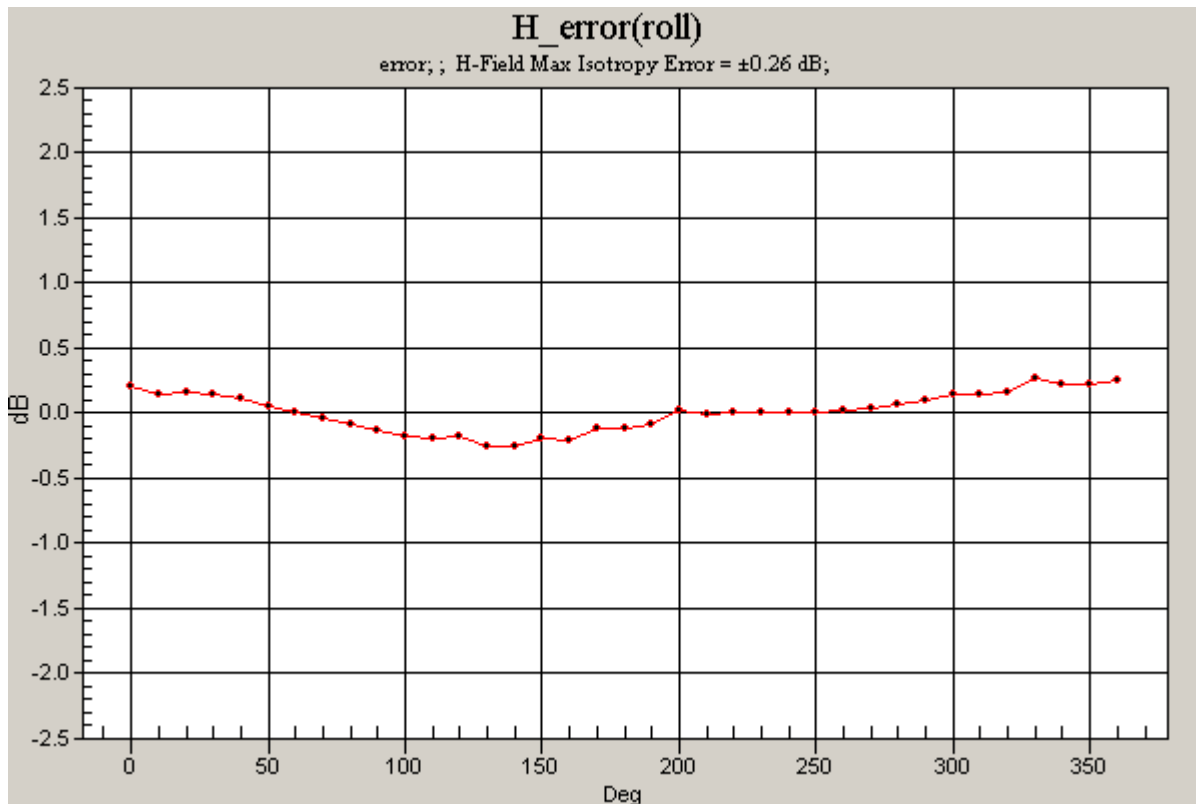
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CDMA850 HAC_H3DV6_Device

DUT: Intermec; Type: CN50; Serial: 189V0900141

Communication System: CDMA; Frequency: 824.7 MHz; Duty Cycle: 1:1

H Scan - L-ch/Rotation (1D): 37 rotation steps; H-Field Max Isotropy Error = ± 0.26 dB;



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CDMA850 HAC_H3DV6_Device

DUT: Intermecc; Type: CN50; Serial: 189V0900141

Communication System: CDMA; Frequency: 836.52 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 Sn427; Calibrated: 10/20/2008
- 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 - M-ch/Hearing Aid Compatibility Test (101x101x1): Measurement grid: dx=5mm, dy=5mm

Maximum value of peak Total field = 0.084 A/m

Probe Modulation Factor = 0.880

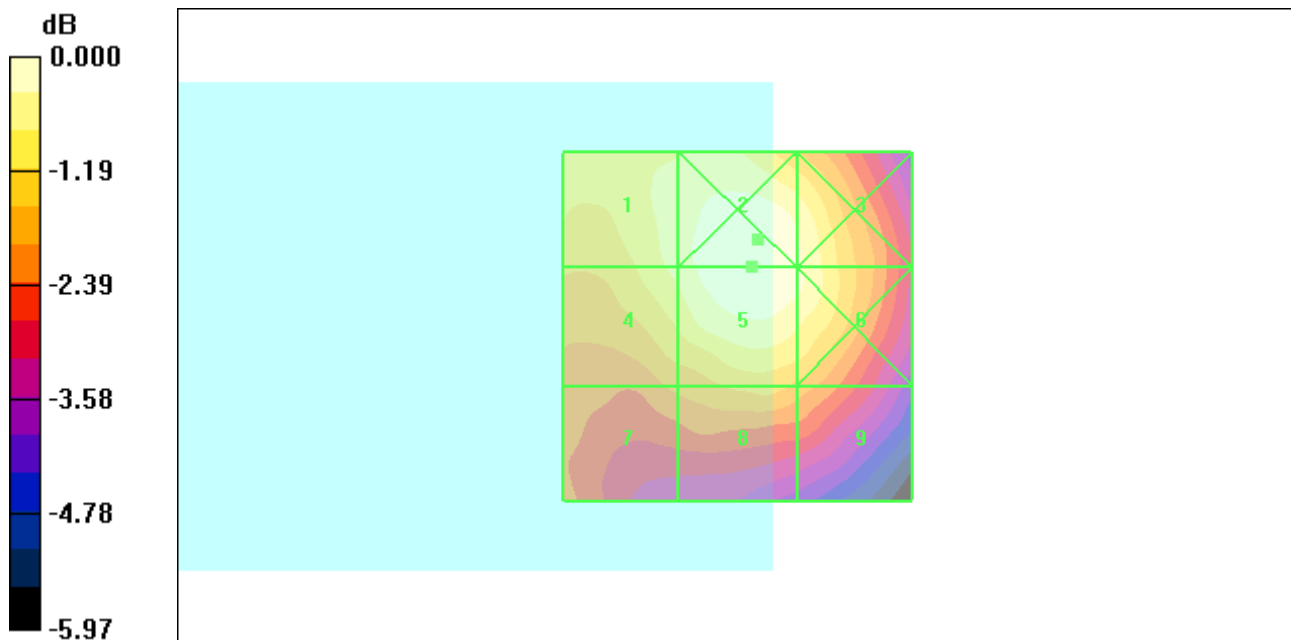
Device Reference Point: 0.000, 0.000, -6.30 mm

Reference Value = 0.117 A/m; Power Drift = -0.070 dB

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

Peak H-field in A/m

Grid 1 0.079 M4	Grid 2 0.084 M4	Grid 3 0.081 M4
Grid 4 0.078 M4	Grid 5 0.084 M4	Grid 6 0.081 M4
Grid 7 0.068 M4	Grid 8 0.071 M4	Grid 9 0.069 M4



0 dB = 0.084A/m

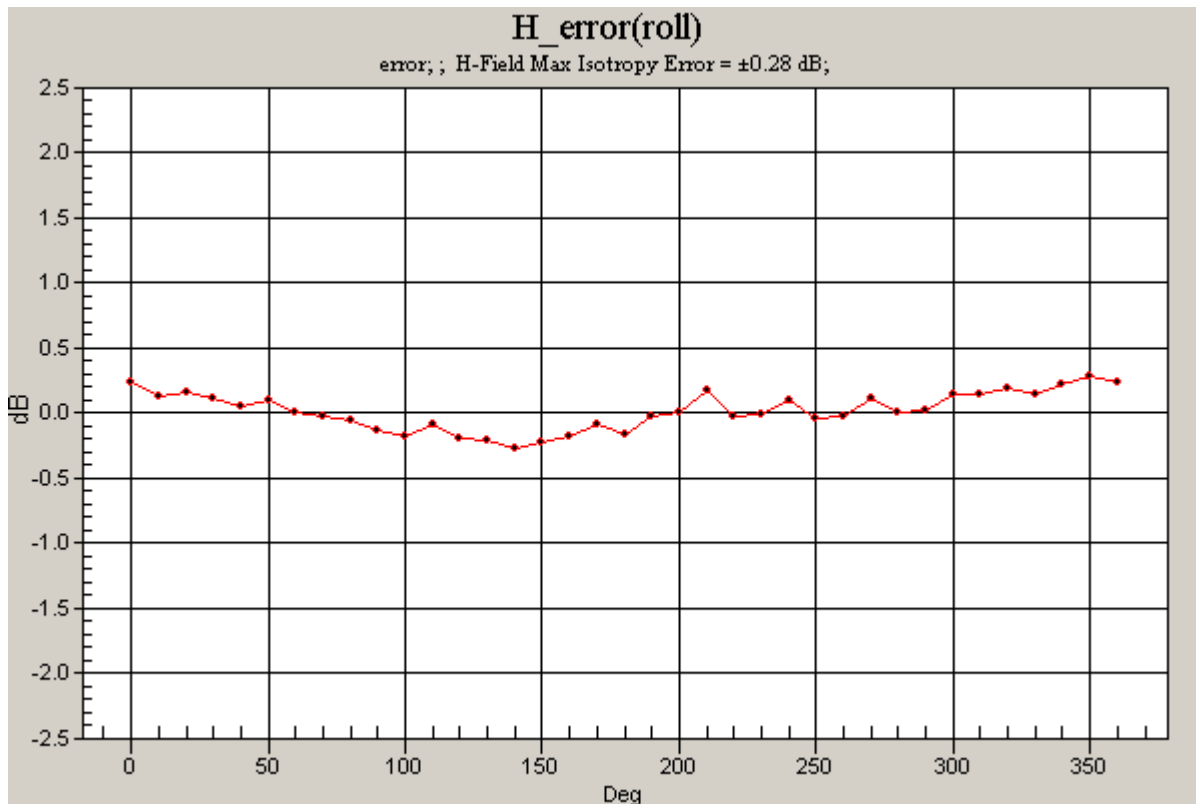
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CDMA850 HAC_H3DV6_Device

DUT: Intermec; Type: CN50; Serial: 189V0900141

Communication System: CDMA; Frequency: 836.52 MHz; Duty Cycle: 1:1

H Scan - M-ch/Rotation (1D): 37 rotation steps; H-Field Max Isotropy Error = ± 0.28 dB;



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CDMA850 HAC_H3DV6_Device

DUT: Intermecc; Type: CN50; Serial: 189V0900141

Communication System: CDMA; Frequency: 848.31 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 Sn427; Calibrated: 10/20/2008
- 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 - H-ch/Hearing Aid Compatibility Test (101x101x1): Measurement grid: dx=5mm, dy=5mm

Maximum value of peak Total field = 0.076 A/m

Probe Modulation Factor = 0.880

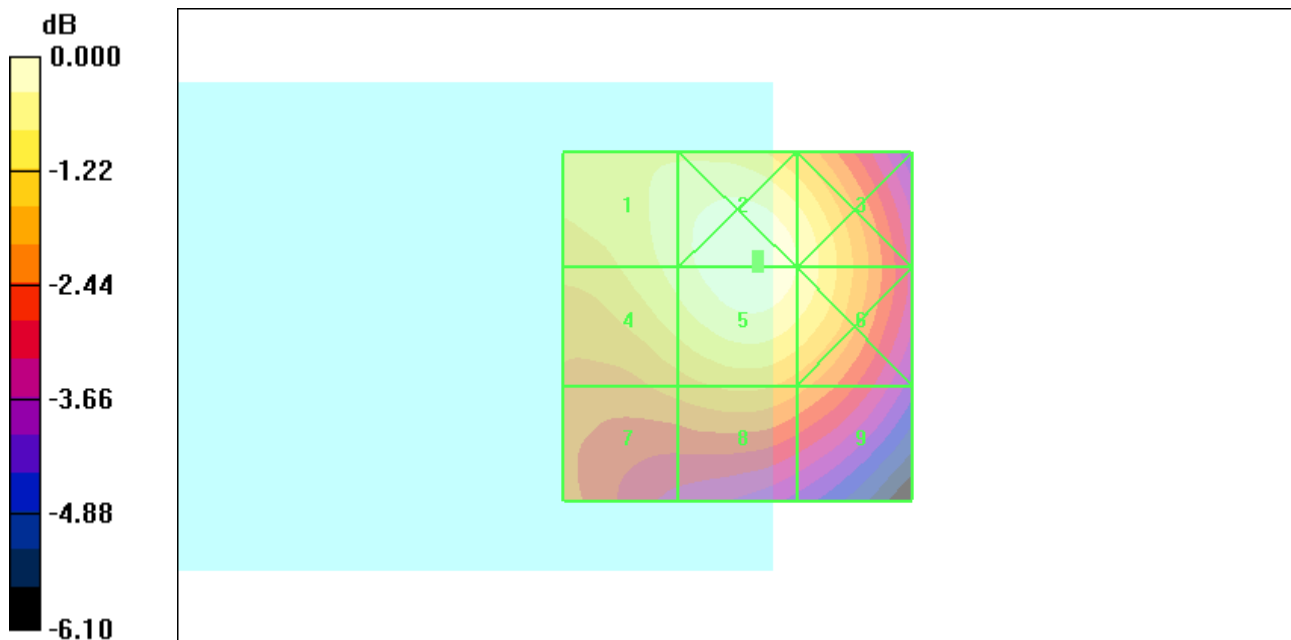
Device Reference Point: 0.000, 0.000, -6.30 mm

Reference Value = 0.105 A/m; Power Drift = 0.020 dB

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

Peak H-field in A/m

Grid 1 0.072 M4	Grid 2 0.077 M4	Grid 3 0.073 M4
Grid 4 0.072 M4	Grid 5 0.076 M4	Grid 6 0.073 M4
Grid 7 0.062 M4	Grid 8 0.065 M4	Grid 9 0.062 M4



0 dB = 0.077A/m

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CDMA850 HAC_H3DV6_Device

DUT: Intermec; Type: CN50; Serial: 189V0900141

Communication System: CDMA; Frequency: 848.31 MHz; Duty Cycle: 1:1

H Scan - H-ch/Rotation (1D): 37 rotation steps; H-Field Max Isotropy Error = ± 0.23 dB;

