

Test Laboratory: Compliance Certification Services

GSM850 HAC_ER_Device

DUT: Intermecc; Type: CN50; Serial: 328V0800138

Communication System: GSM850; Frequency: 824.2 MHz; Duty Cycle: 1:8

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 = 117.4 V/m

Probe Modulation Factor = 2.98

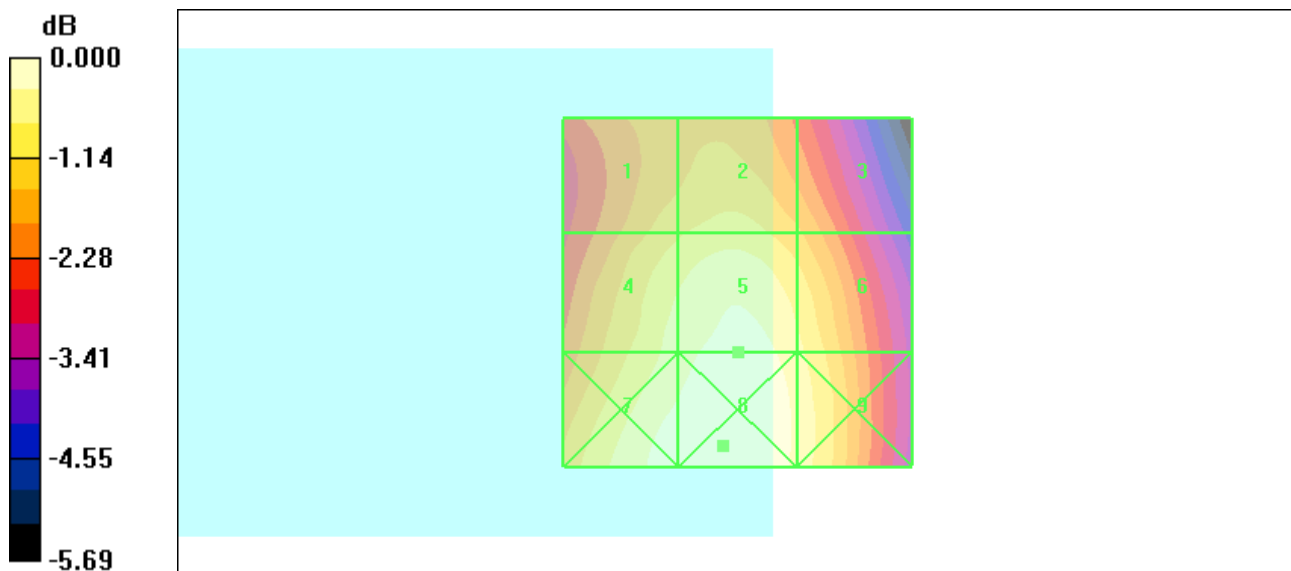
Device Reference Point: 0.000, 0.000, -6.30 mm

Reference Value = 48.8 V/m; Power Drift = 0.046 dB

Hearing Aid Near-Field Category: **M4 (AWF -5 dB)**

Peak E-field in V/m

Grid 1 105.1 M4	Grid 2 108.3 M4	Grid 3 102.2 M4
Grid 4 112.8 M4	Grid 5 117.4 M4	Grid 6 112.0 M4
Grid 7 119.2 M4	Grid 8 120.5 M4	Grid 9 114.5 M4



0 dB = 120.5V/m

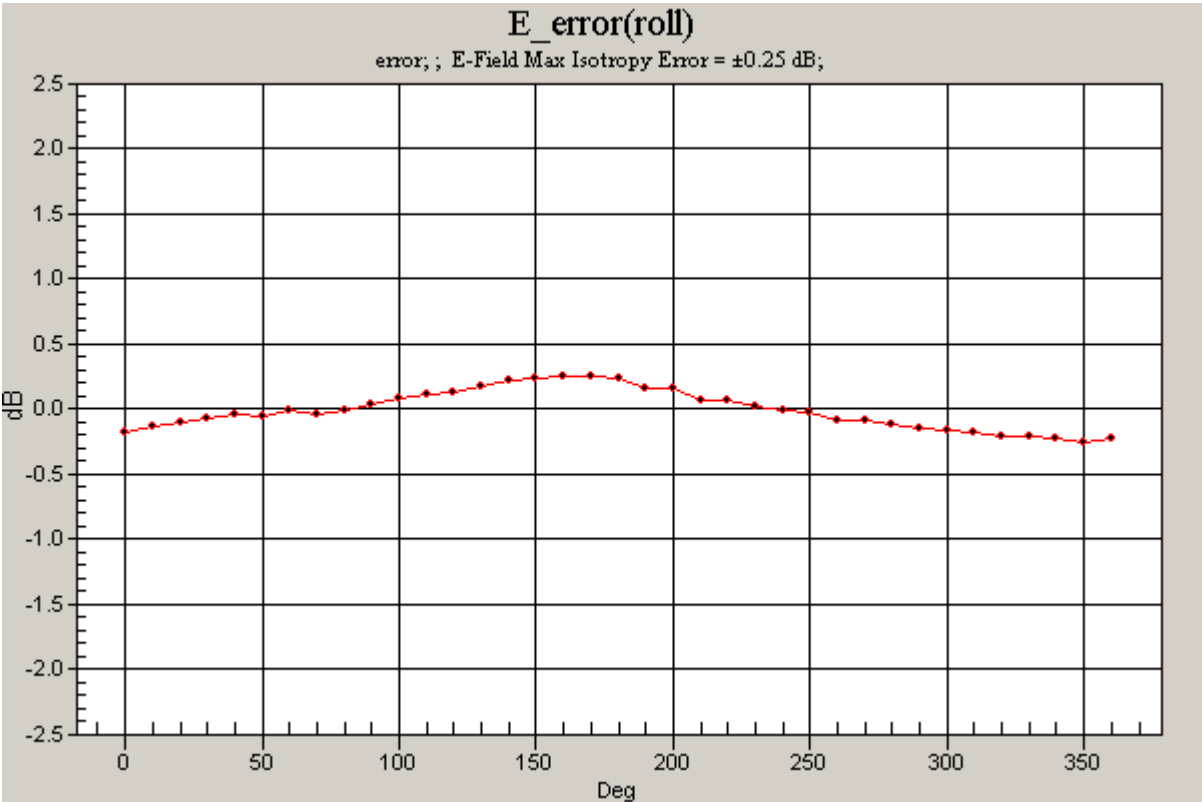
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GSM850 HAC_ER_Device

DUT: Intermec; Type: CN50; Serial: 328V0800138

Communication System: GSM850; Frequency: 824.2 MHz;Duty Cycle: 1:8

E Scan - L-ch/Rotation (1D): 37 rotation steps; E-Field Max Isotropy Error = ± 0.25 dB;



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GSM850 HAC_ER_Device

DUT: Intermecc; Type: CN50; Serial: 328V0800138

Communication System: GSM850; Frequency: 836.6 MHz; Duty Cycle: 1:8

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 = 133.4 V/m

Probe Modulation Factor = 2.98

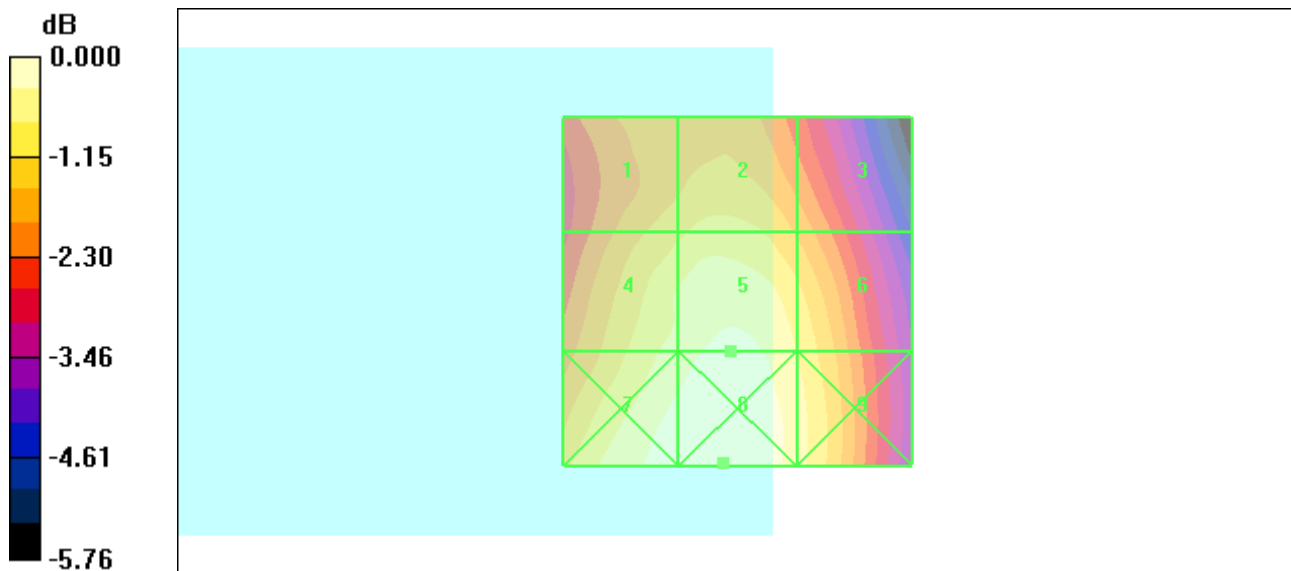
Device Reference Point: 0.000, 0.000, -6.30 mm

Reference Value = 56.0 V/m; Power Drift = -0.052 dB

Hearing Aid Near-Field Category: **M4 (AWF -5 dB)**

Peak E-field in V/m

Grid 1 119.9 M4	Grid 2 123.3 M4	Grid 3 115.2 M4
Grid 4 129.3 M4	Grid 5 133.4 M4	Grid 6 126.4 M4
Grid 7 135.8 M4	Grid 8 138.2 M4	Grid 9 129.4 M4



0 dB = 138.2V/m

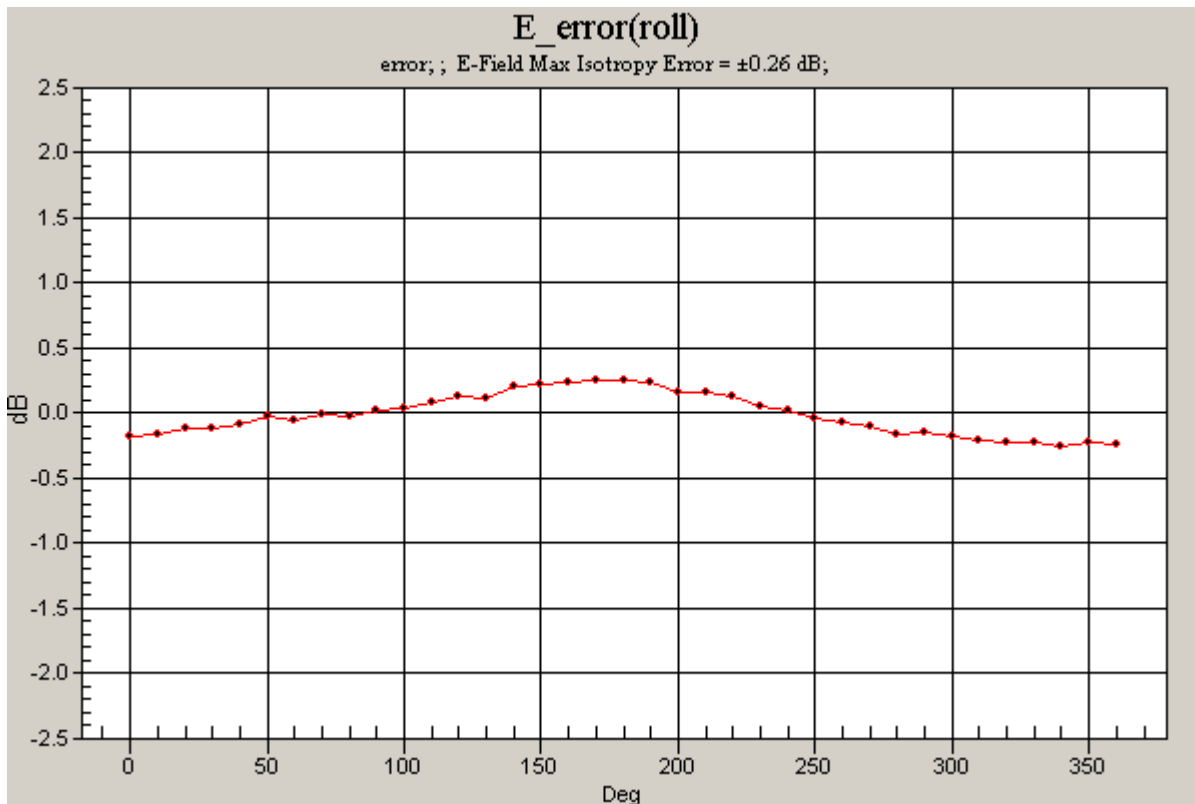
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GSM850 HAC_ER_Device

DUT: Intermec; Type: CN50; Serial: 328V0800138

Communication System: GSM850; Frequency: 836.6 MHz; Duty Cycle: 1:8

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



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GSM850 HAC_ER_Device

DUT: Intermecc; Type: CN50; Serial: 328V0800138

Communication System: GSM850; Frequency: 848.8 MHz; Duty Cycle: 1:8

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 = 123.0 V/m

Probe Modulation Factor = 2.98

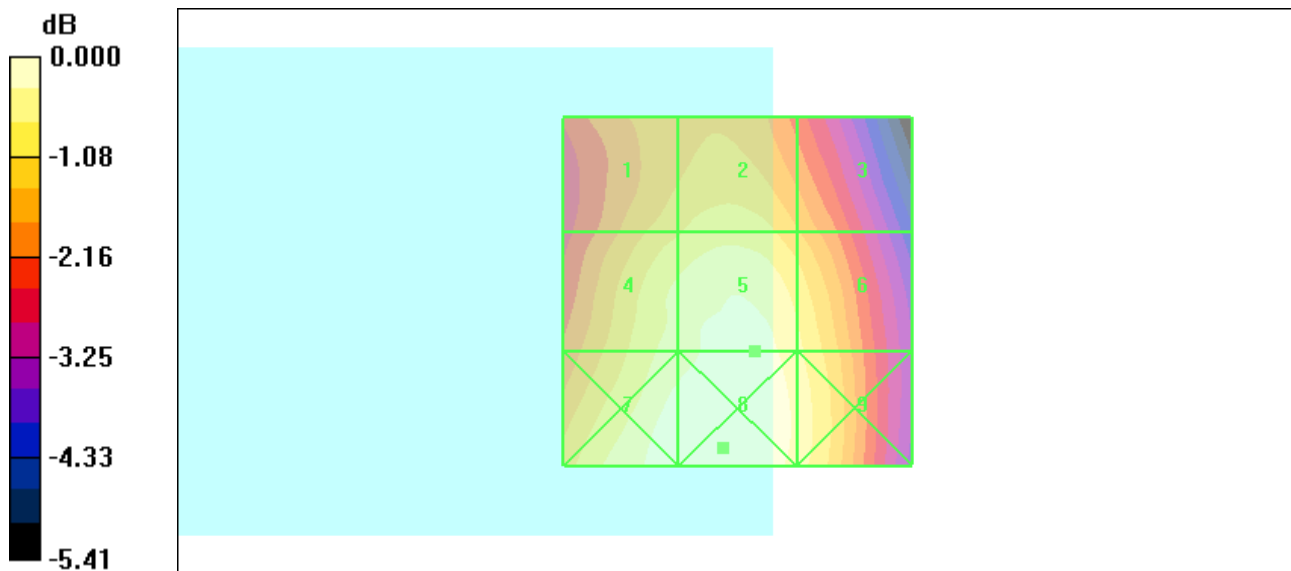
Device Reference Point: 0.000, 0.000, -6.30 mm

Reference Value = 52.1 V/m; Power Drift = -0.013 dB

Hearing Aid Near-Field Category: **M4 (AWF -5 dB)**

Peak E-field in V/m

Grid 1 111.1 M4	Grid 2 114.7 M4	Grid 3 107.7 M4
Grid 4 119.3 M4	Grid 5 123.0 M4	Grid 6 117.8 M4
Grid 7 125.3 M4	Grid 8 126.4 M4	Grid 9 120.1 M4



0 dB = 126.4V/m

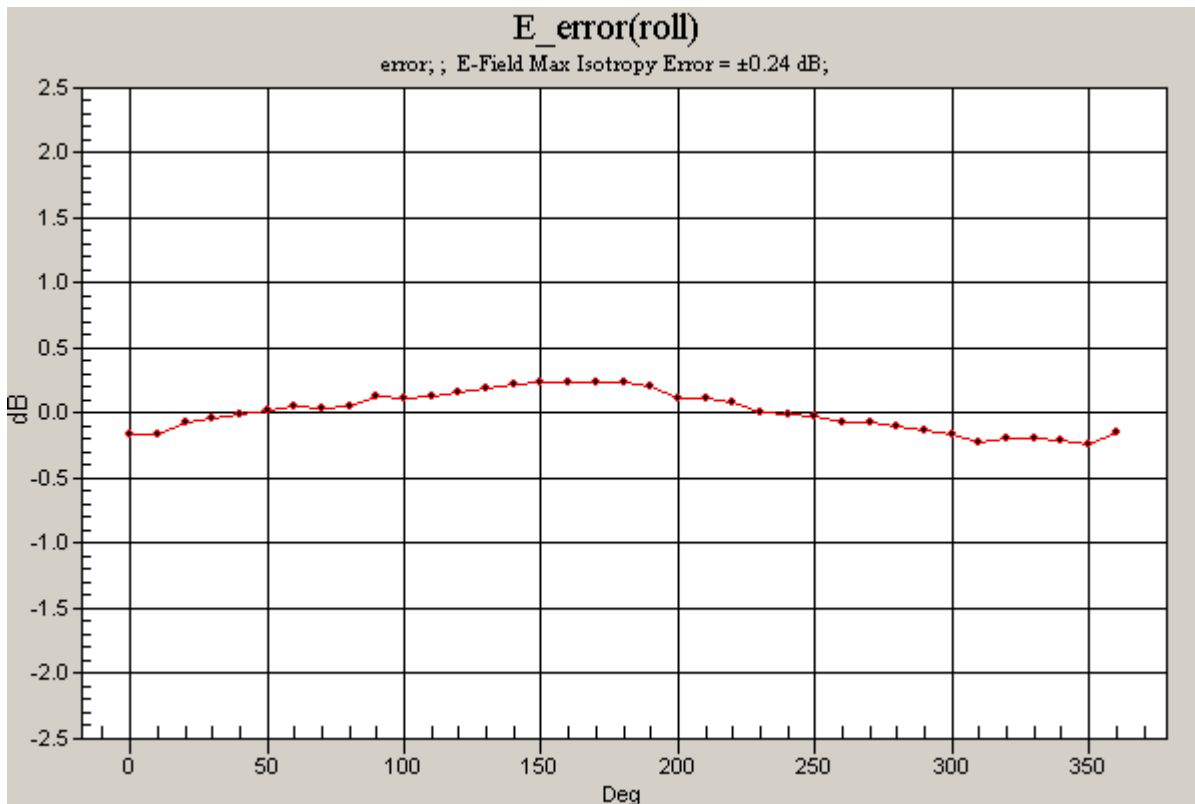
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GSM850 HAC_ER_Device

DUT: Intermec; Type: CN50; Serial: 328V0800138

Communication System: GSM850; Frequency: 848.8 MHz; Duty Cycle: 1:8

E Scan - H-ch/Rotation (1D): 37 rotation steps; E-Field Max Isotropy Error = ± 0.24 dB;



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GSM850 HAC_H3DV6_Device

DUT: Intermecc; Type: CN50; Serial: 328V0800138

Communication System: GSM850; Frequency: 824.2 MHz; Duty Cycle: 1:8

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 = 0.237 A/m

Probe Modulation Factor = 2.85

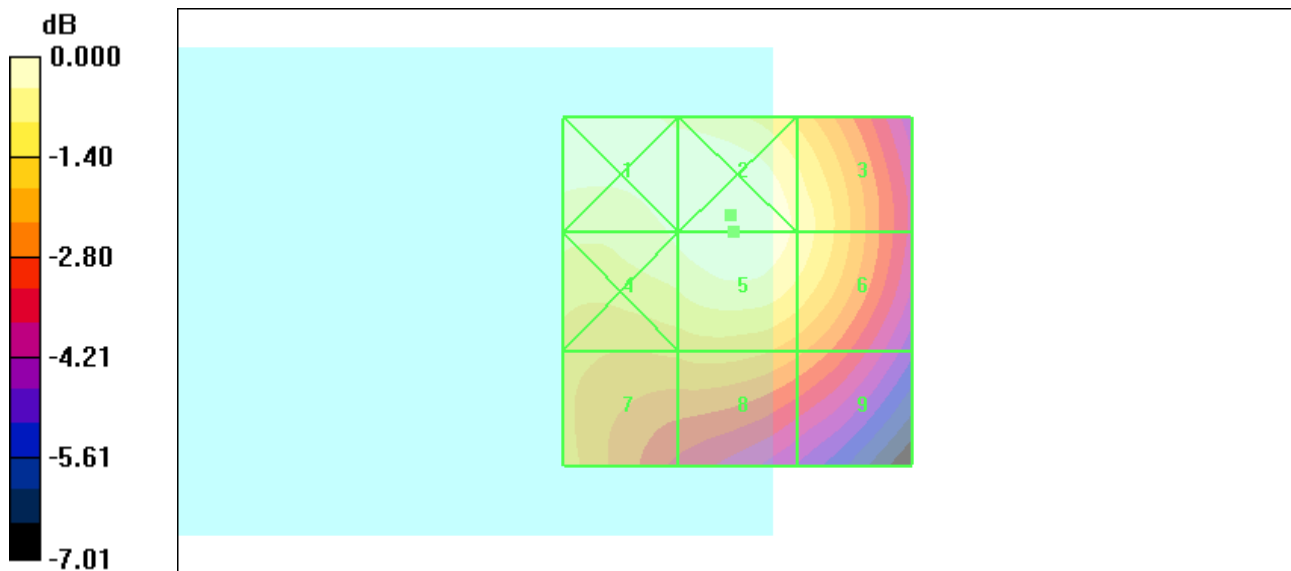
Device Reference Point: 0.000, 0.000, -6.30 mm

Reference Value = 0.102 A/m; Power Drift = 0.074 dB

Hearing Aid Near-Field Category: **M4 (AWF -5 dB)**

Peak H-field in A/m

Grid 1 0.234 M4	Grid 2 0.238 M4	Grid 3 0.223 M4
Grid 4 0.228 M4	Grid 5 0.237 M4	Grid 6 0.223 M4
Grid 7 0.200 M4	Grid 8 0.197 M4	Grid 9 0.185 M4



0 dB = 0.238A/m

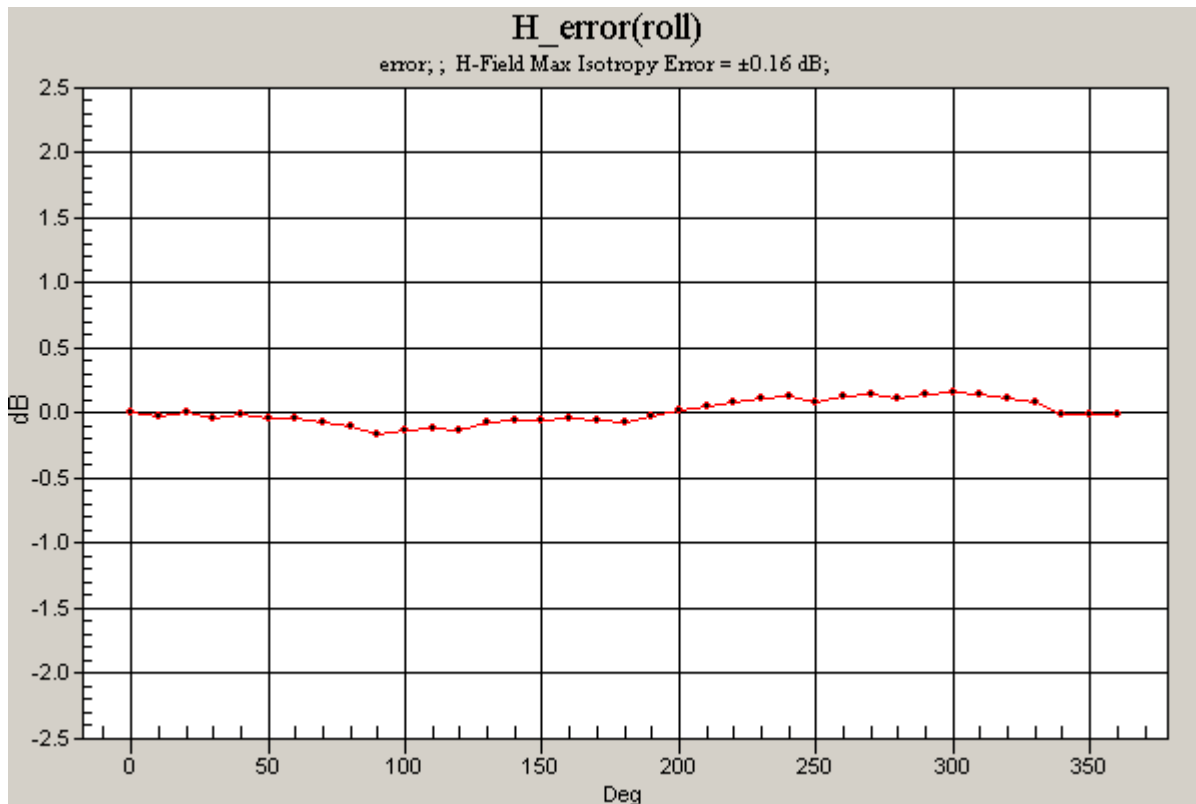
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GSM850 HAC_H3DV6_Device

DUT: Intermecc; Type: CN50; Serial: 328V0800138

Communication System: GSM850; Frequency: 824.2 MHz; Duty Cycle: 1:8

H Scan - L-ch/Rotation (1D): 37 rotation steps; H-Field Max Isotropy Error = ± 0.16 dB;



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GSM850 HAC_H3DV6_Device

DUT: Intermecc; Type: CN50; Serial: 328V0800138

Communication System: GSM850; Frequency: 836.6 MHz; Duty Cycle: 1:8

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 = 0.286 A/m

Probe Modulation Factor = 2.85

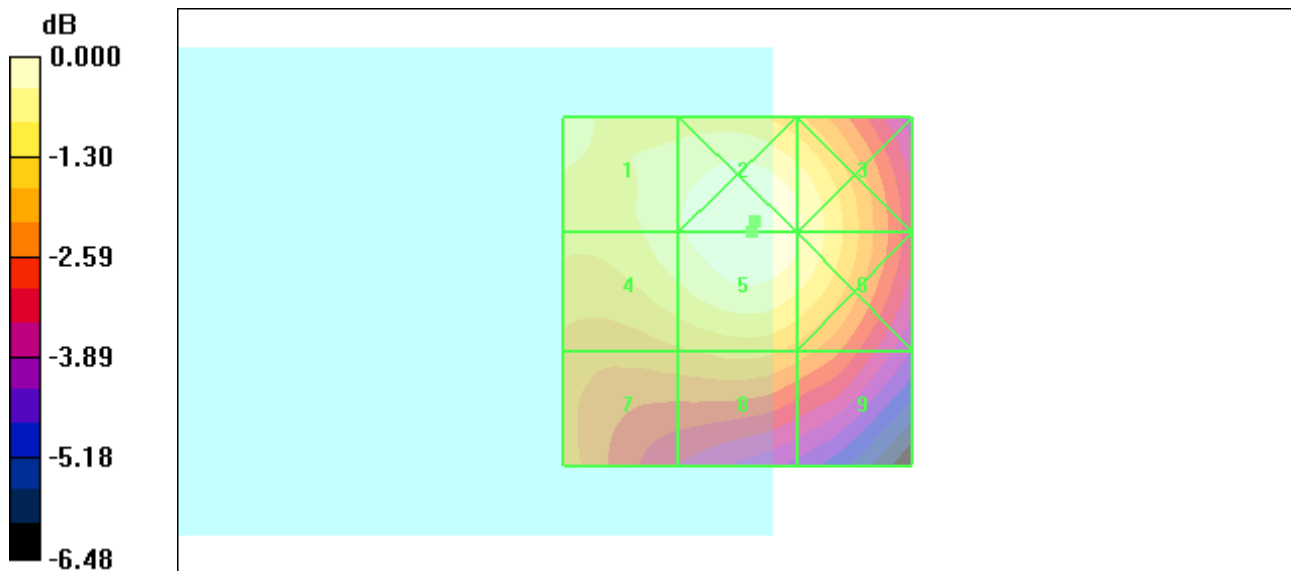
Device Reference Point: 0.000, 0.000, -6.30 mm

Reference Value = 0.123 A/m; Power Drift = -0.002 dB

Hearing Aid Near-Field Category: **M4 (AWF -5 dB)**

Peak H-field in A/m

Grid 1 0.271 M4	Grid 2 0.286 M4	Grid 3 0.275 M4
Grid 4 0.270 M4	Grid 5 0.286 M4	Grid 6 0.275 M4
Grid 7 0.233 M4	Grid 8 0.239 M4	Grid 9 0.230 M4



0 dB = 0.286A/m

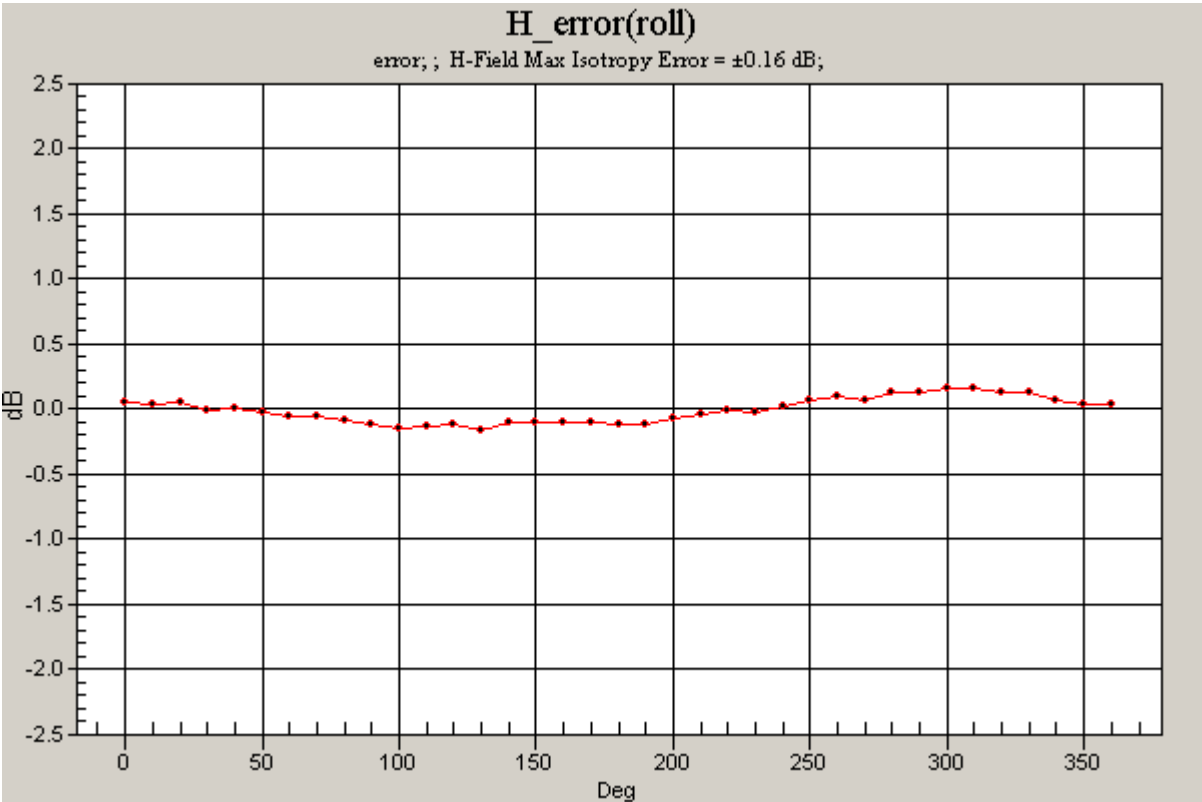
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GSM850 HAC_H3DV6_Device

DUT: Intermecc; Type: CN50; Serial: 328V0800138

Communication System: GSM850; Frequency: 836.6 MHz; Duty Cycle: 1:8

H Scan - M-ch/Rotation (1D): 37 rotation steps; H-Field Max Isotropy Error = ± 0.16 dB;



Test Laboratory: Compliance Certification Services

GSM850 HAC_H3DV6_Device

DUT: Intermecc; Type: CN50; Serial: 328V0800138

Communication System: GSM850; Frequency: 848.8 MHz; Duty Cycle: 1:8

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 = 0.260 A/m

Probe Modulation Factor = 2.85

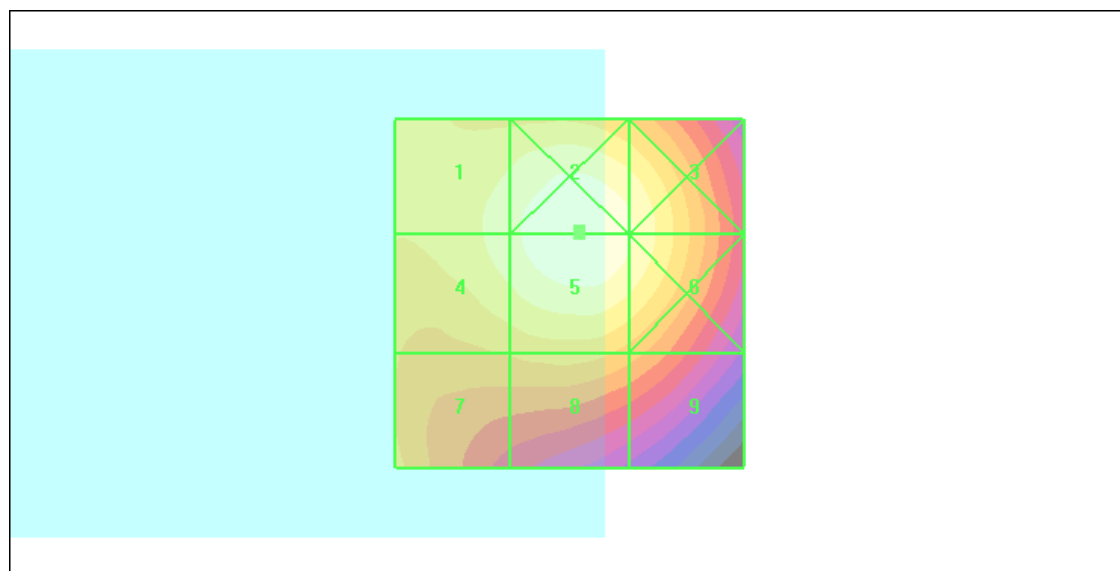
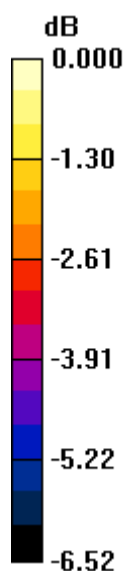
Device Reference Point: 0.000, 0.000, -6.30 mm

Reference Value = 0.111 A/m; Power Drift = -0.017 dB

Hearing Aid Near-Field Category: M4 (AWF -5 dB)

Peak H-field in A/m

Grid 1 0.243 M4	Grid 2 0.260 M4	Grid 3 0.249 M4
Grid 4 0.243 M4	Grid 5 0.260 M4	Grid 6 0.249 M4
Grid 7 0.218 M4	Grid 8 0.219 M4	Grid 9 0.208 M4



0 dB = 0.260A/m

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GSM850 HAC_H3DV6_Device

DUT: Intermecc; Type: CN50; Serial: 328V0800138

Communication System: GSM850; Frequency: 848.8 MHz; Duty Cycle: 1:8

H Scan - H-ch/Rotation (1D): 37 rotation steps; H-Field Max Isotropy Error = ± 0.20 dB;

