

## HAC-RF Emission System Check

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

Phantom section: TCoil Section

DASY5 Configuration:

- Probe: ER3DV6 - SN2339; ConvF(1, 1, 1); Calibrated: 1/11/2013;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1239; Calibrated: 6/6/2012
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.8 (3); SEMCAD X Version 14.6.7 (6848)

### CD835V3, Dipole E-Field measurement/E Scan - measurement distance from the probe sensor center to CD835 Dipole = 10mm/Hearing Aid Compatibility Test (41x361x1):

Interpolated grid: dx=0.5000 mm, dy=0.5000 mm

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 115.4 V/m; Power Drift = -0.02 dB

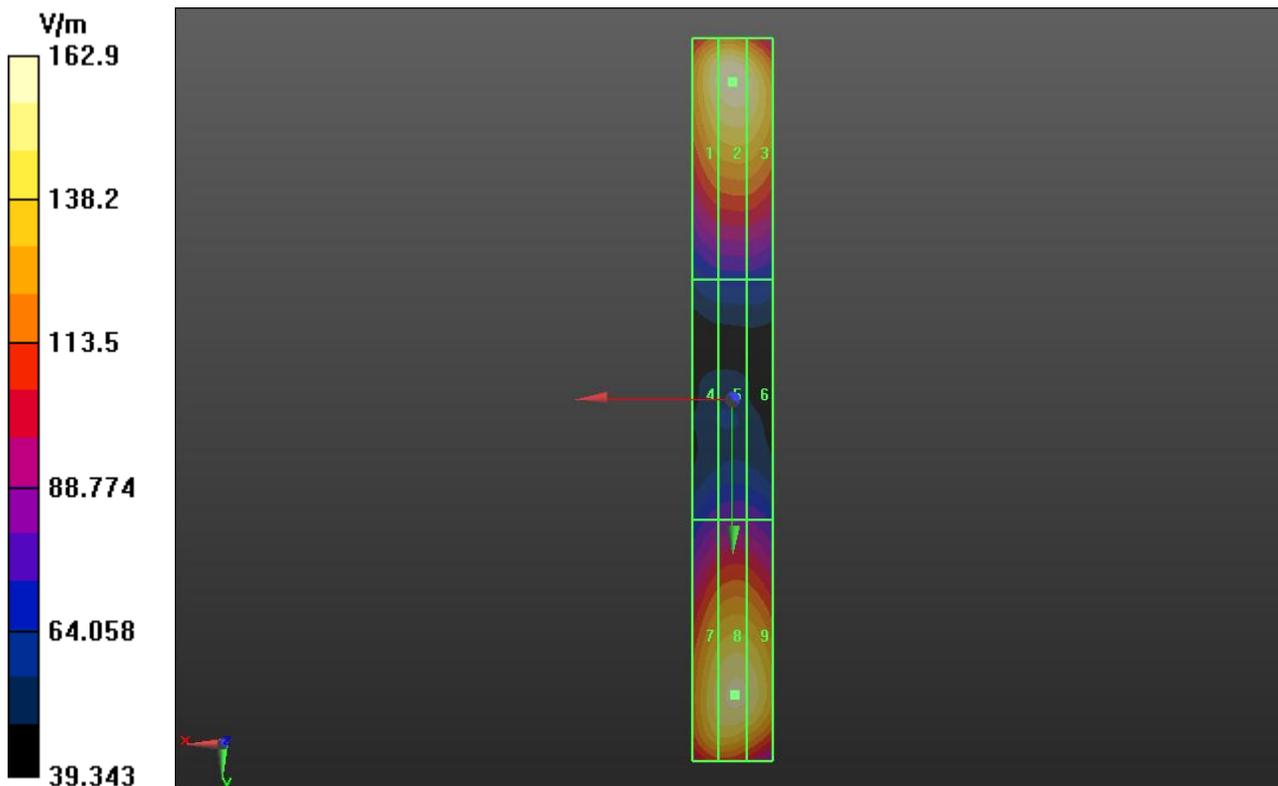
PMR not calibrated. PMF = 1.000 is applied.

E-field emissions = 162.9 V/m

Near-field category: **M4 (AWF 0 dB)**

PMF scaled E-field

Grid 1 <b>M4</b> <b>157.9 V/m</b>	Grid 2 <b>M4</b> <b>162.9 V/m</b>	Grid 3 <b>M4</b> <b>157.9 V/m</b>
Grid 4 <b>M4</b> <b>79.61 V/m</b>	Grid 5 <b>M4</b> <b>82.68 V/m</b>	Grid 6 <b>M4</b> <b>81.39 V/m</b>
Grid 7 <b>M4</b> <b>150.8 V/m</b>	Grid 8 <b>M4</b> <b>157.0 V/m</b>	Grid 9 <b>M4</b> <b>154.8 V/m</b>



## HAC-RF Emission System Check

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

Phantom section: TCoil Section

DASY5 Configuration:

- Probe: ER3DV6 - SN2339; ConvF(1, 1, 1); Calibrated: 1/11/2013;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1239; Calibrated: 6/6/2012
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.8 (3); SEMCAD X Version 14.6.7 (6848)

### CD1880V3 at 1730MHz, Dipole E-Field measurement/E Scan - measurement distance from the probe sensor center to CD1730 Dipole = 10mm/Hearing Aid Compatibility Test

**(41x181x1):** Interpolated grid: dx=0.5000 mm, dy=0.5000 mm

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 161.4 V/m; Power Drift = 0.01 dB

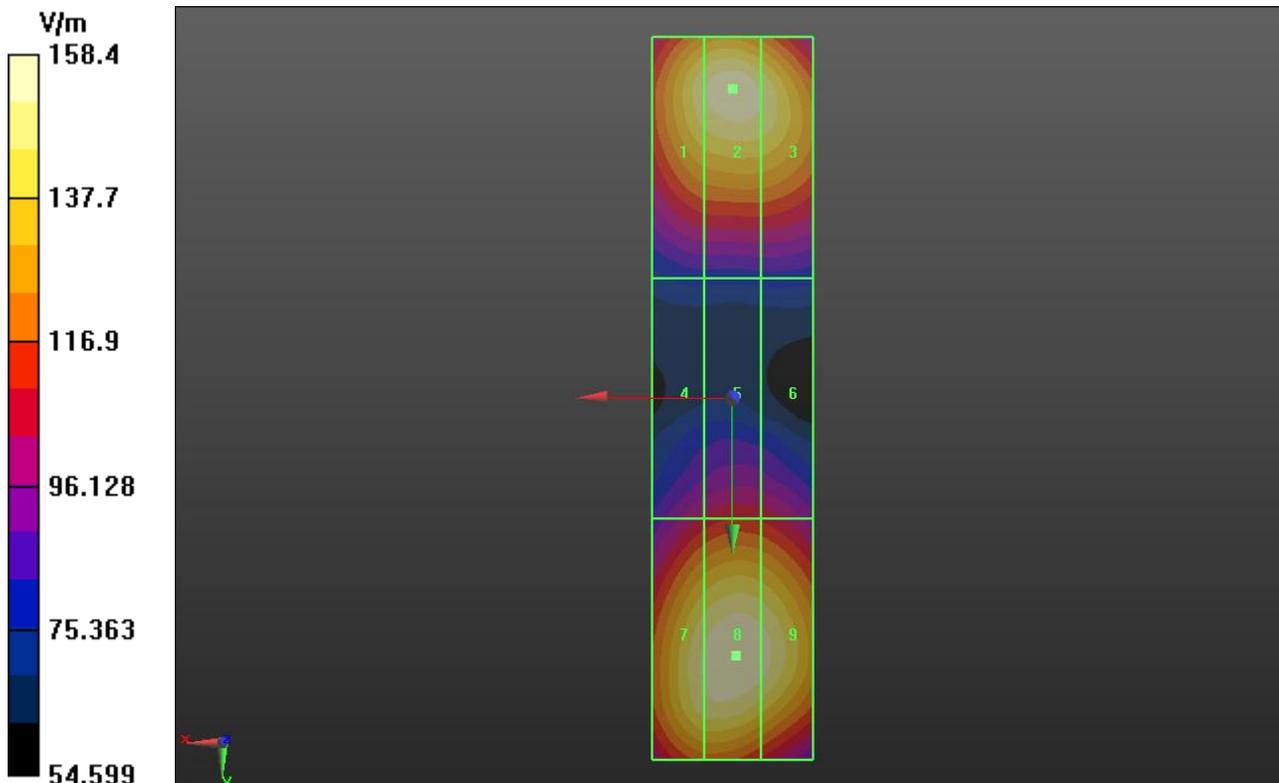
PMR not calibrated. PMF = 1.000 is applied.

E-field emissions = 158.4 V/m

Near-field category: **M2 (AWF 0 dB)**

PMF scaled E-field

Grid 1 <b>M2</b> <b>151.3 V/m</b>	Grid 2 <b>M2</b> <b>157.4 V/m</b>	Grid 3 <b>M2</b> <b>152.0 V/m</b>
Grid 4 <b>M3</b> <b>105.4 V/m</b>	Grid 5 <b>M3</b> <b>110.9 V/m</b>	Grid 6 <b>M3</b> <b>109.0 V/m</b>
Grid 7 <b>M2</b> <b>153.5 V/m</b>	Grid 8 <b>M2</b> <b>158.4 V/m</b>	Grid 9 <b>M2</b> <b>155.0 V/m</b>



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Phantom section: TCoil Section

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- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1239; Calibrated: 6/6/2012
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.8 (3);SEMCAD X Version 14.6.7 (6848)

### CD1880V3, Dipole E-Field measurement/E Scan - measurement distance from the probe sensor center to CD1880 Dipole = 10mm/Hearing Aid Compatibility Test (41x181x1):

Interpolated grid: dx=0.5000 mm, dy=0.5000 mm

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 137.7 V/m; Power Drift = -0.00 dB

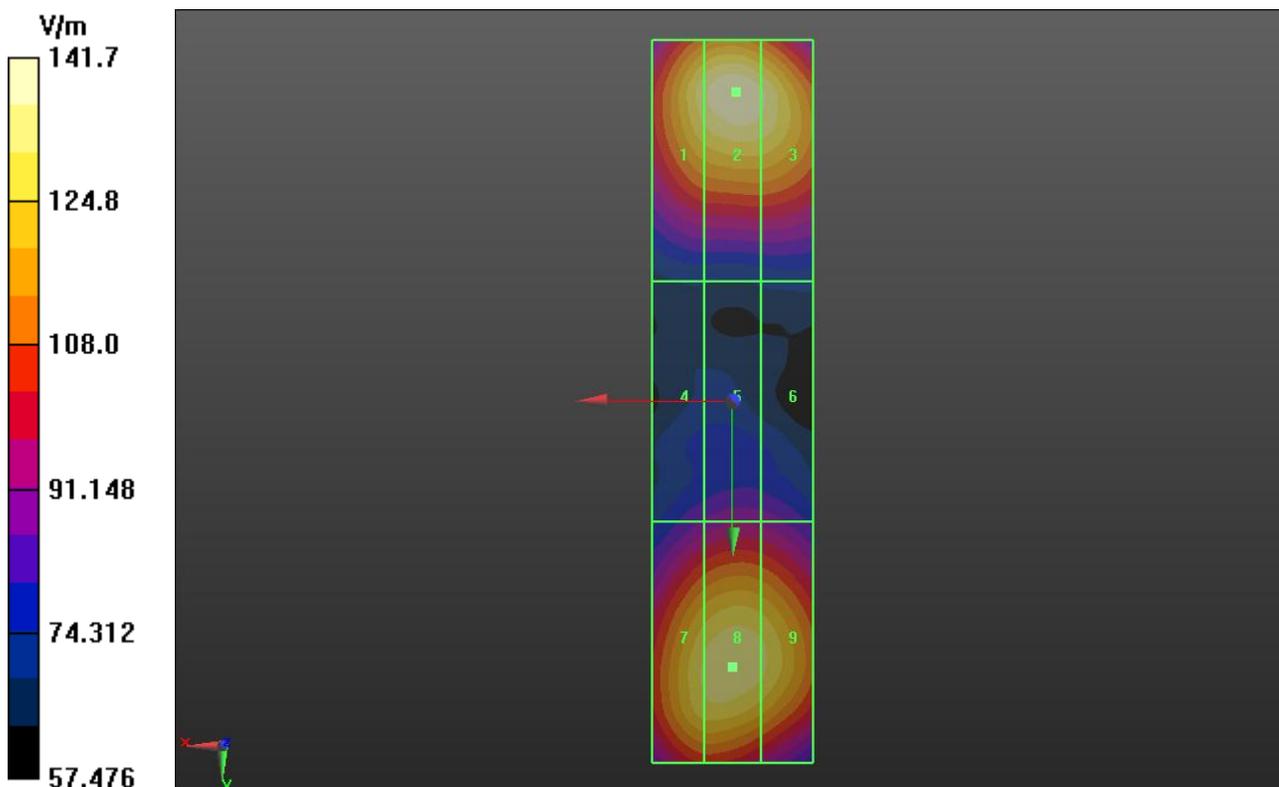
PMR not calibrated. PMF = 1.000 is applied.

E-field emissions = 141.7 V/m

Near-field category: **M2 (AWF 0 dB)**

PMF scaled E-field

Grid 1 <b>M2</b> <b>135.1 V/m</b>	Grid 2 <b>M2</b> <b>141.7 V/m</b>	Grid 3 <b>M2</b> <b>137.6 V/m</b>
Grid 4 <b>M3</b> <b>86.79 V/m</b>	Grid 5 <b>M3</b> <b>91.22 V/m</b>	Grid 6 <b>M3</b> <b>89.90 V/m</b>
Grid 7 <b>M2</b> <b>131.9 V/m</b>	Grid 8 <b>M2</b> <b>135.0 V/m</b>	Grid 9 <b>M2</b> <b>132.1 V/m</b>



## HAC-RF Emission System Check

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

Phantom section: RF Section

DASY5 Configuration:

- Probe: H3DV6 - SN6157; ; Calibrated: 1/11/2013
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1239; Calibrated: 6/6/2012
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.8 (3);SEMCAD X Version 14.6.7 (6848)

### CD835V3, Dipole H-Field measurement/H Scan - measurement distance from the probe sensor center to CD835 Dipole = 10mm/Hearing Aid Compatibility Test (41x361x1):

Interpolated grid: dx=0.5000 mm, dy=0.5000 mm

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 0.4700 A/m; Power Drift = -0.04 dB

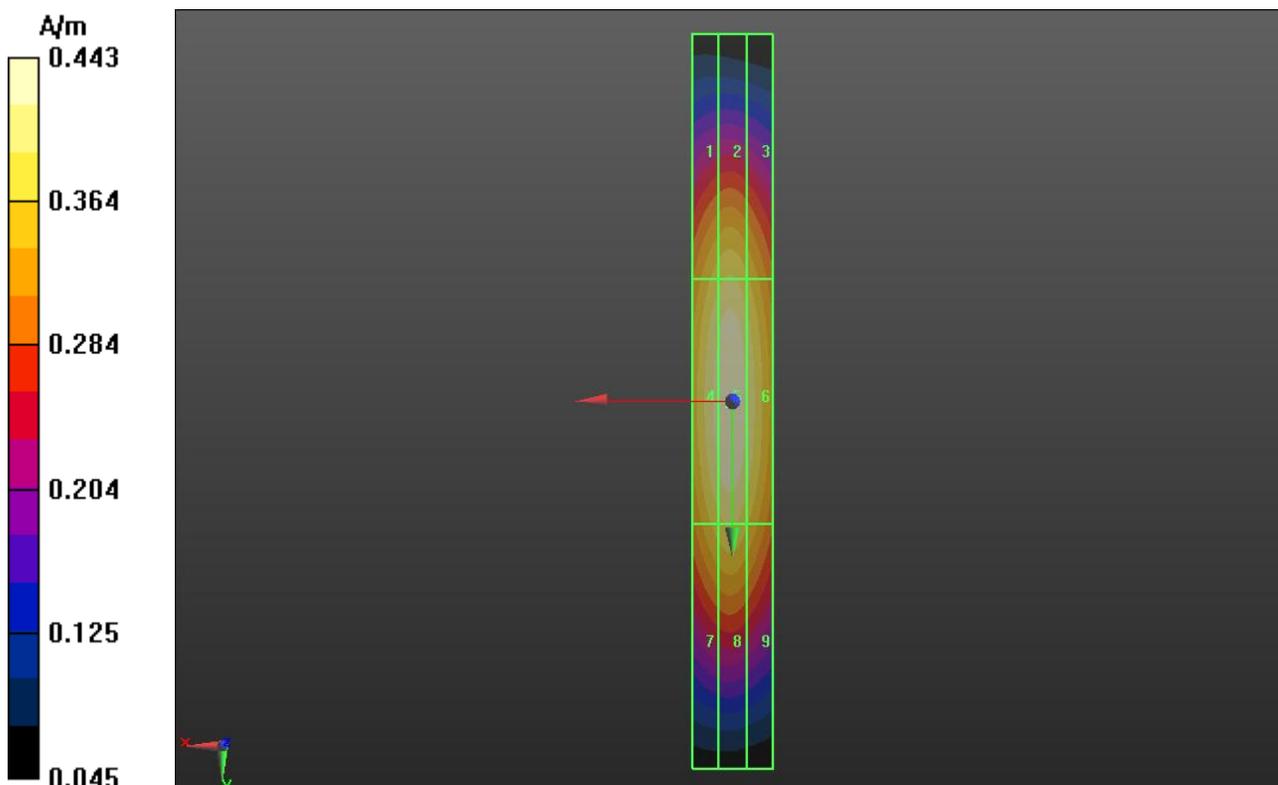
PMR not calibrated. PMF = 1.000 is applied.

H-field emissions = 0.4433 A/m

**Near-field category: M4 (AWF 0 dB)**

PMF scaled H-field

Grid 1 <b>M4</b> <b>0.381 A/m</b>	Grid 2 <b>M4</b> <b>0.394 A/m</b>	Grid 3 <b>M4</b> <b>0.368 A/m</b>
Grid 4 <b>M4</b> <b>0.429 A/m</b>	Grid 5 <b>M4</b> <b>0.443 A/m</b>	Grid 6 <b>M4</b> <b>0.414 A/m</b>
Grid 7 <b>M4</b> <b>0.380 A/m</b>	Grid 8 <b>M4</b> <b>0.393 A/m</b>	Grid 9 <b>M4</b> <b>0.367 A/m</b>



## HAC-RF Emission System Check

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Phantom section: TCoil Section

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- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1239; Calibrated: 6/6/2012
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- Measurement SW: DASY52, Version 52.8 (3); SEMCAD X Version 14.6.7 (6848)

### CD1880V3 at 1730MHz, Dipole H-Field measurement/H Scan - measurement distance from the probe sensor center to CD1730 Dipole = 10mm/Hearing Aid Compatibility Test

**(41x181x1):** Interpolated grid: dx=0.5000 mm, dy=0.5000 mm

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 0.5210 A/m; Power Drift = -0.00 dB

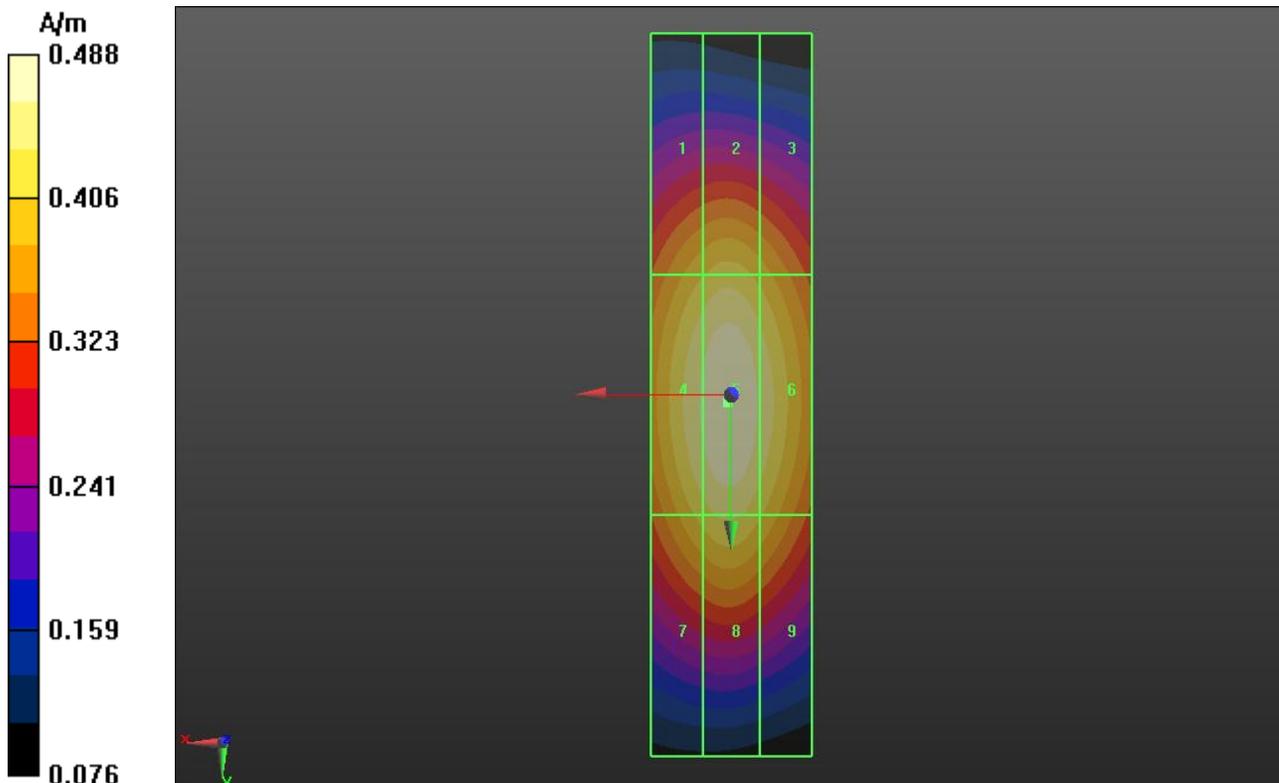
PMR not calibrated. PMF = 1.000 is applied.

H-field emissions = 0.4883 A/m

Near-field category: **M2 (AWF 0 dB)**

PMF scaled H-field

Grid 1 <b>M2</b> <b>0.404 A/m</b>	Grid 2 <b>M2</b> <b>0.421 A/m</b>	Grid 3 <b>M2</b> <b>0.395 A/m</b>
Grid 4 <b>M2</b> <b>0.467 A/m</b>	Grid 5 <b>M2</b> <b>0.488 A/m</b>	Grid 6 <b>M2</b> <b>0.458 A/m</b>
Grid 7 <b>M2</b> <b>0.419 A/m</b>	Grid 8 <b>M2</b> <b>0.438 A/m</b>	Grid 9 <b>M2</b> <b>0.409 A/m</b>



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### CD1880V3, Dipole H-Field measurement/H Scan - measurement distance from the probe sensor center to CD1880 Dipole = 10mm/Hearing Aid Compatibility Test

**(41x181x1):** Interpolated grid: dx=0.5000 mm, dy=0.5000 mm

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 0.5100 A/m; Power Drift = -0.00 dB

PMR not calibrated. PMF = 1.000 is applied.

H-field emissions = 0.4809 A/m

Near-field category: **M2 (AWF 0 dB)**

PMF scaled H-field

Grid 1 <b>M2</b> <b>0.417 A/m</b>	Grid 2 <b>M2</b> <b>0.437 A/m</b>	Grid 3 <b>M2</b> <b>0.412 A/m</b>
Grid 4 <b>M2</b> <b>0.462 A/m</b>	Grid 5 <b>M2</b> <b>0.481 A/m</b>	Grid 6 <b>M2</b> <b>0.454 A/m</b>
Grid 7 <b>M2</b> <b>0.429 A/m</b>	Grid 8 <b>M2</b> <b>0.449 A/m</b>	Grid 9 <b>M2</b> <b>0.420 A/m</b>

