HAC-RF Emission

Communication System: CW; Frequency: 835 MHz; Duty Cycle: 1:1
Phantom section: RF Section
DASY5 Configuration:
- Probe: ER3DV6 - SN2509; ConvF(1, 1, 1); Calibrated: 6/20/2012;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1239; Calibrated: 6/6/2012
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA
- Measurement SW: DASY52, Version 52.8 (5);SEMCAD X Version 14.6.8 (7028)

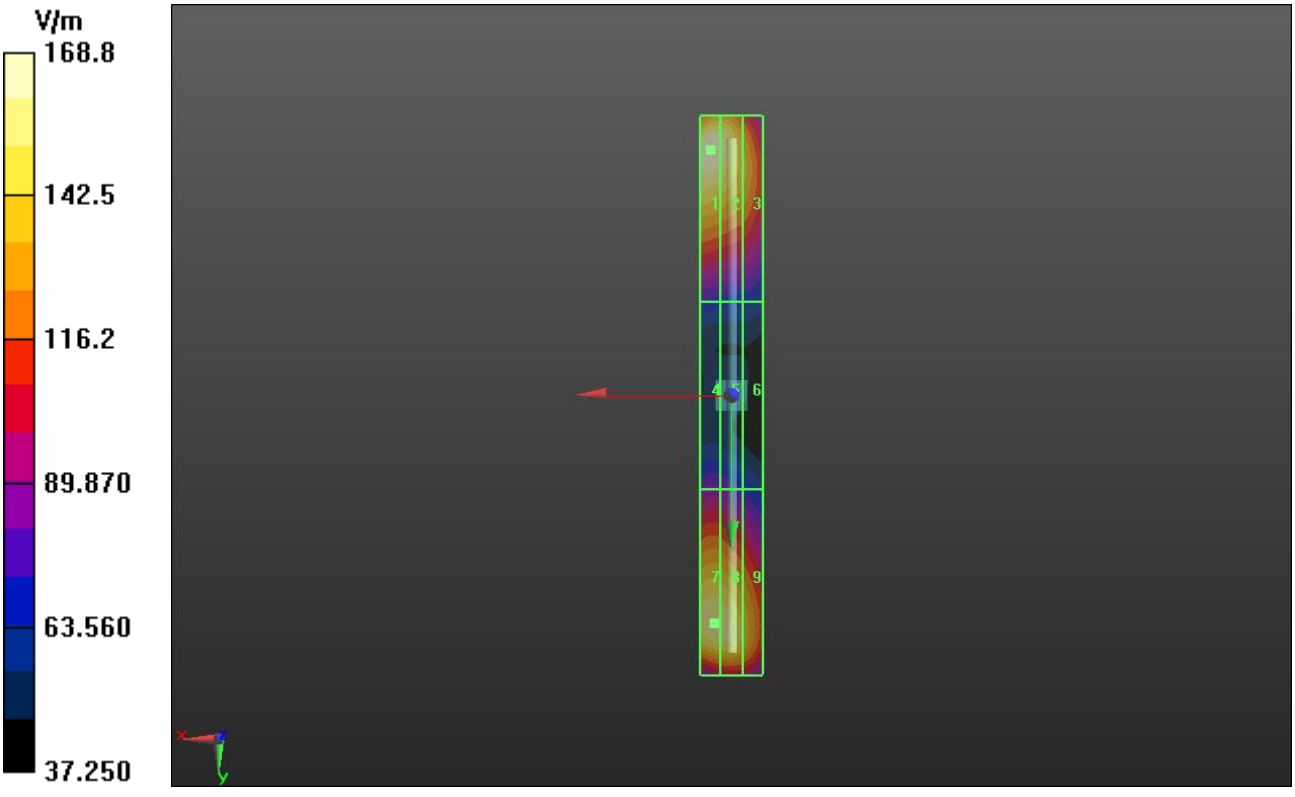
835MHz Dipole (E-field scan for ANSI C63.19-2007 compliance)/E Scan 835MHz d = 10mm/Hearing Aid Compatibility Test (41x361x1): Interpolated grid: dx=0.5000 mm, dy=0.5000 mm

Device Reference Point: 0, 0, -6.3 mm
Reference Value = 108.3 V/m; Power Drift = -0.03 dB
PMR not calibrated. PMF = 1.000 is applied.
E-field emissions = 168.8 V/m
Near-field category: M4 (AWF 0 dB)

PMF scaled E-field

Grid 1 **M4** **168.8 V/m**	Grid 2 **M4** **164.7 V/m**	Grid 3 **M4** **139.2 V/m**
Grid 4 **M4** **83.98 V/m**	Grid 5 **M4** **82.73 V/m**	Grid 6 **M4** **71.78 V/m**
Grid 7 **M4** **161.2 V/m**	Grid 8 **M4** **159.8 V/m**	Grid 9 **M4** **143.1 V/m**

Cursor:
Total = 168.8 V/m
E Category: M4
Location: 6.5, -79, 4.7 mm



Test Laboratory: UL CCS SAR Lab C Date: 2/27/2013

HAC-RF Emission

Communication System: CW; Frequency: 1880 MHz; Duty Cycle: 1:1
Phantom section: RF 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 BA
- Measurement SW: DASY52, Version 52.8 (5);SEMCAD X Version 14.6.8 (7028)

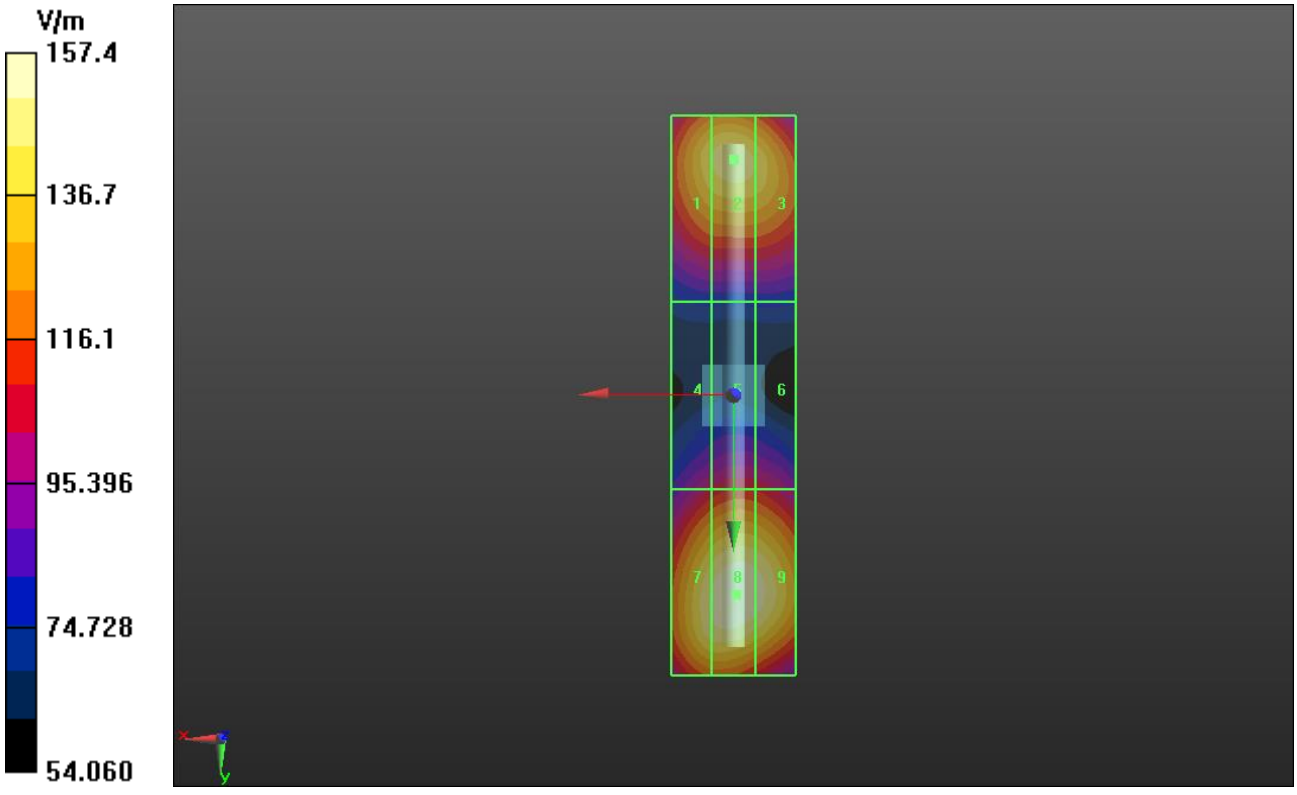
1880MHz Dipole (E-field scan for ANSI C63.19-2007 compliance)/E Scan 1730MHz d = 10mm/Hearing Aid Compatibility Test (41x181x1): Interpolated grid: dx=0.5000 mm, dy=0.5000 mm

Device Reference Point: 0, 0, -6.3 mm
Reference Value = 160.7 V/m; Power Drift = -0.00 dB
PMR not calibrated. PMF = 1.000 is applied.
E-field emissions = 157.4 V/m
Near-field category: M2 (AWF 0 dB)

PMF scaled E-field

Grid 1 **M2** **144.0 V/m**	Grid 2 **M2** **148.9 V/m**	Grid 3 **M2** **143.5 V/m**
Grid 4 **M3** **103.8 V/m**	Grid 5 **M3** **109.7 V/m**	Grid 6 **M3** **108.2 V/m**
Grid 7 **M2** **151.9 V/m**	Grid 8 **M2** **157.4 V/m**	Grid 9 **M2** **154.5 V/m**

Cursor:
Total = 157.4 V/m
E Category: M2
Location: -0.5, 32, 4.7 mm



HAC-RF Emission

Communication System: CW; Frequency: 1880 MHz; Duty Cycle: 1:1
Phantom section: RF 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 BA
- Measurement SW: DASY52, Version 52.8 (5);SEMCAD X Version 14.6.8 (7028)

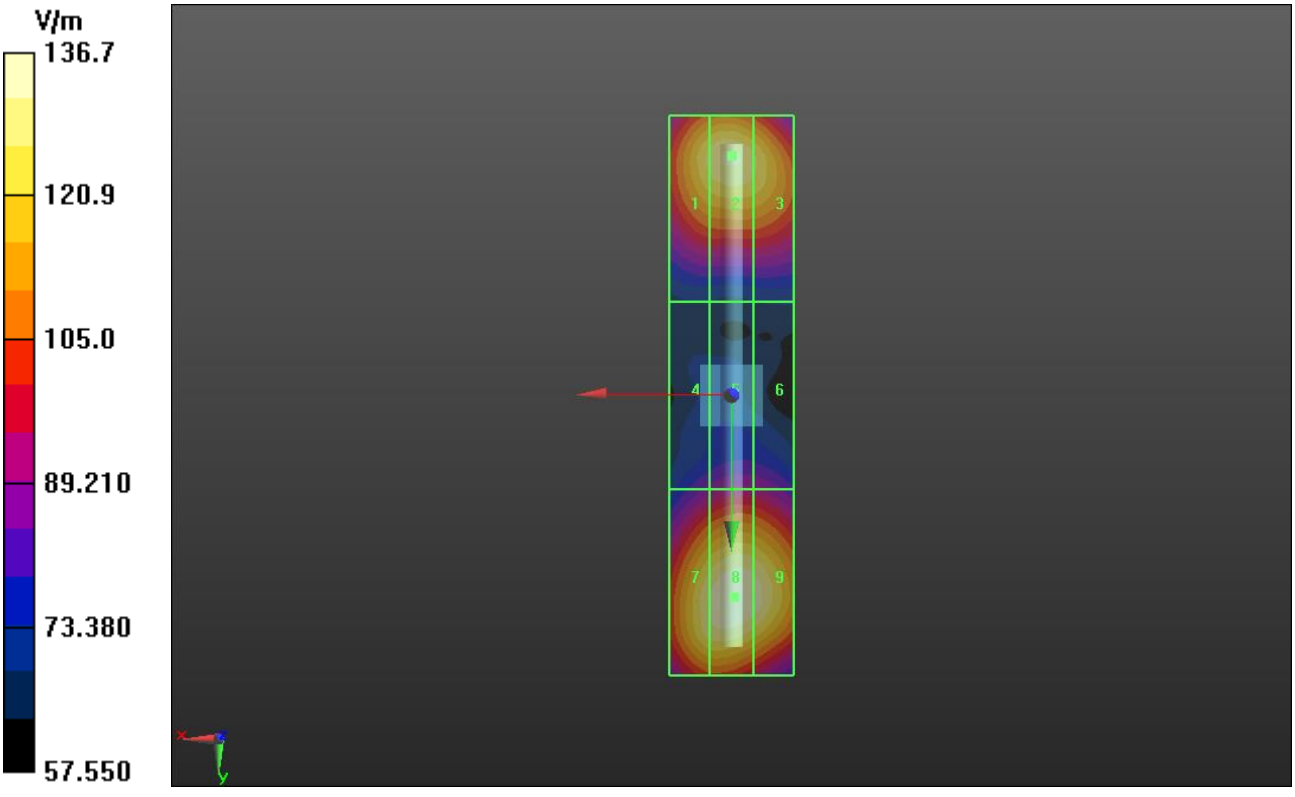
1880MHz Dipole (E-field scan for ANSI C63.19-2007 compliance)/E Scan 1880MHz d = 10mm/Hearing Aid Compatibility Test (41x181x1): Interpolated grid: dx=0.5000 mm, dy=0.5000 mm

Device Reference Point: 0, 0, -6.3 mm
Reference Value = 139.8 V/m; Power Drift = 0.01 dB
PMR not calibrated. PMF = 1.000 is applied.
E-field emissions = 136.7 V/m
Near-field category: M2 (AWF 0 dB)

PMF scaled E-field

Grid 1 **M2** **128.4 V/m**	Grid 2 **M2** **132.6 V/m**	Grid 3 **M2** **127.8 V/m**
Grid 4 **M3** **86.30 V/m**	Grid 5 **M3** **91.30 V/m**	Grid 6 **M3** **90.42 V/m**
Grid 7 **M2** **132.1 V/m**	Grid 8 **M2** **136.7 V/m**	Grid 9 **M2** **134.5 V/m**

Cursor:
Total = 136.7 V/m
E Category: M2
Location: -0.5, 32.5, 4.7 mm



Test Laboratory: UL CCS SAR Lab C Date: 2/27/2013

HAC-RF Emission

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 BA
- Measurement SW: DASY52, Version 52.8 (5);SEMCAD X Version 14.6.8 (7028)

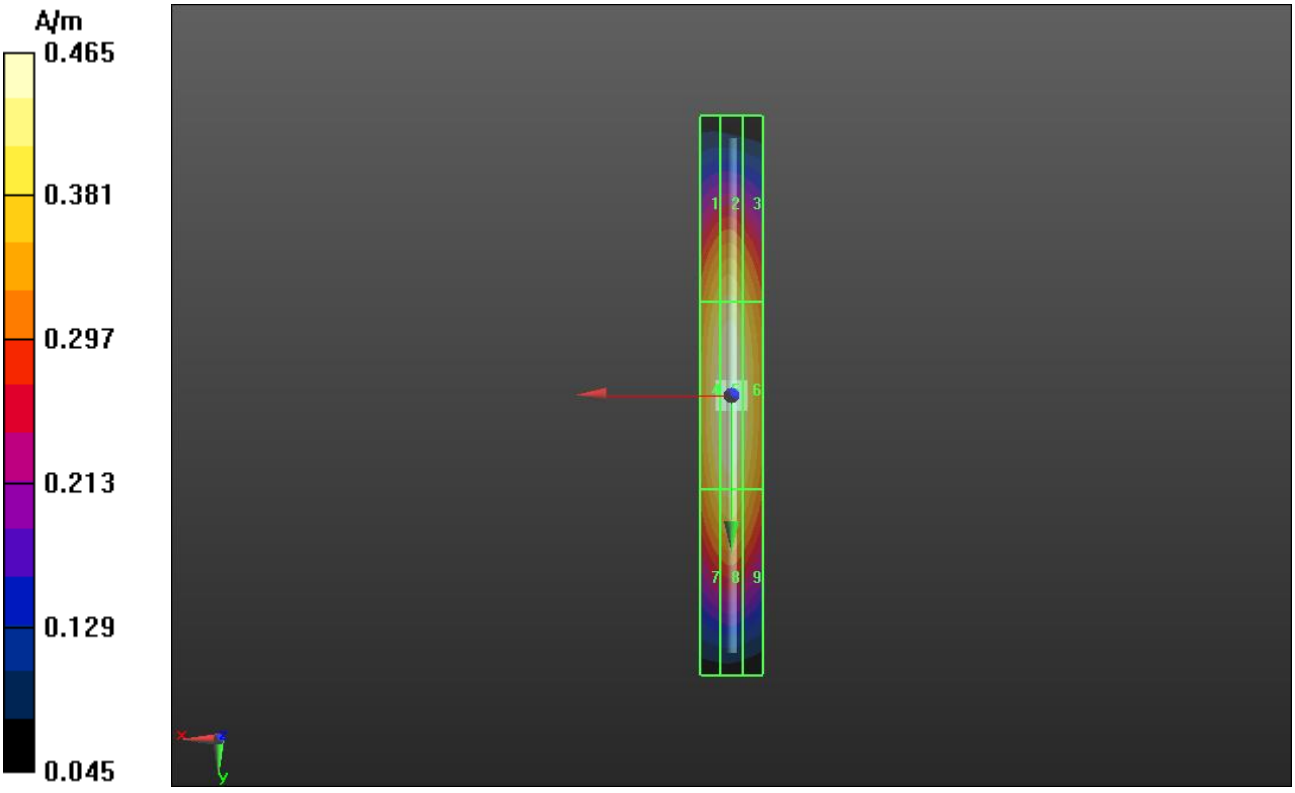
835MHz Dipole (H-field scan for ANSI C63.19-2007 compliance)/H Scan 835MHz d = 10mm/Hearing Aid Compatibility Test (41x361x1): Interpolated grid: dx=0.5000 mm, dy=0.5000 mm

Device Reference Point: 0, 0, -6.3 mm
Reference Value = 0.4840 A/m; Power Drift = 0.20 dB
PMR not calibrated. PMF = 1.000 is applied.
H-field emissions = 0.4652 A/m
Near-field category: M4 (AWF 0 dB)

PMF scaled H-field

Grid 1 **M4** **0.406 A/m**	Grid 2 **M4** **0.420 A/m**	Grid 3 **M4** **0.390 A/m**
Grid 4 **M4** **0.450 A/m**	Grid 5 **M4** **0.465 A/m**	Grid 6 **M4** **0.434 A/m**
Grid 7 **M4** **0.407 A/m**	Grid 8 **M4** **0.421 A/m**	Grid 9 **M4** **0.392 A/m**

Cursor:
Total = 0.4652 A/m
H Category: M4
Location: 0.5, 0.5, 4.7 mm



Test Laboratory: UL CCS SAR Lab C Date: 2/27/2013

HAC-RF Emission

Communication System: CW; Frequency: 1880 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 BA
- Measurement SW: DASY52, Version 52.8 (5);SEMCAD X Version 14.6.8 (7028)

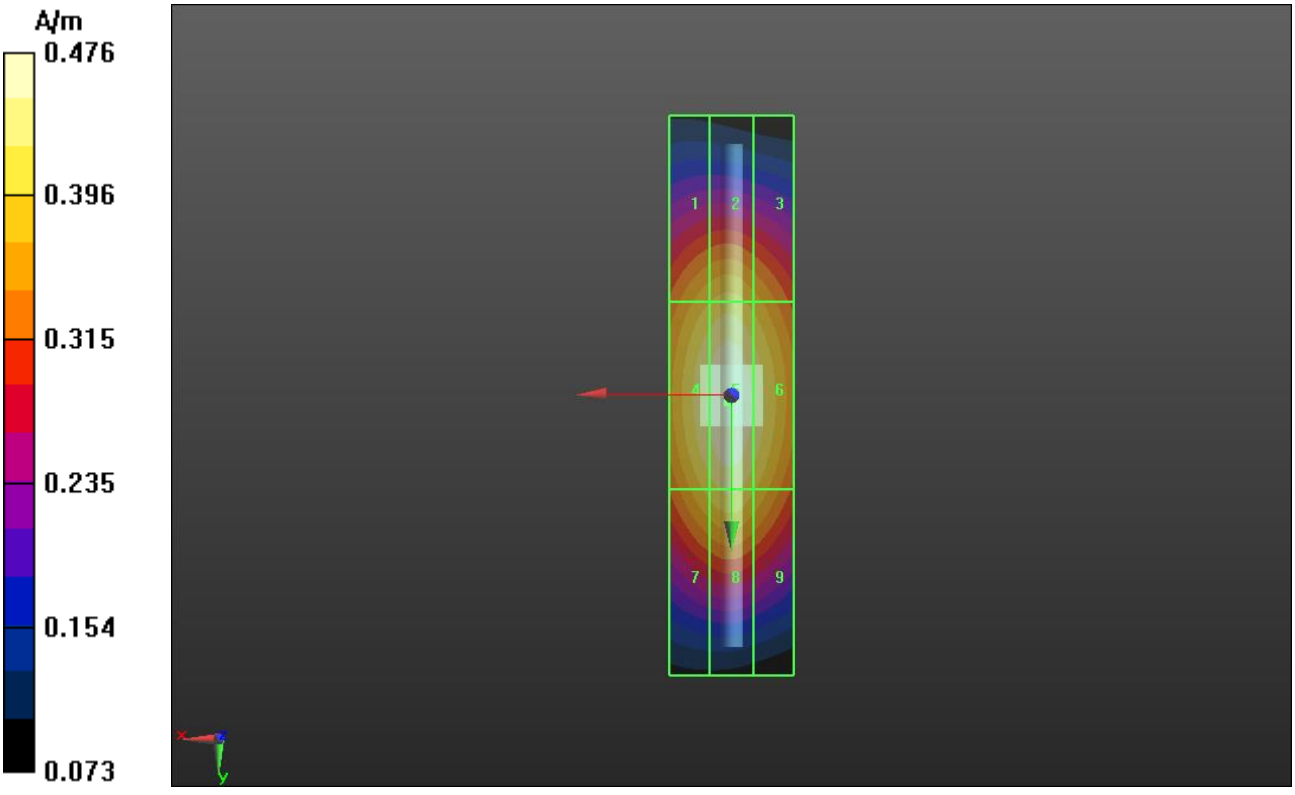
1880MHz Dipole (H-field scan for ANSI C63.19-2007 compliance)/H Scan 1730MHz d = 10mm/Hearing Aid Compatibility Test (41x181x1): Interpolated grid: dx=0.5000 mm, dy=0.5000 mm

Device Reference Point: 0, 0, -6.3 mm
Reference Value = 0.5090 A/m; Power Drift = -0.03 dB
PMR not calibrated. PMF = 1.000 is applied.
H-field emissions = 0.4764 A/m
Near-field category: M2 (AWF 0 dB)

PMF scaled H-field

Grid 1 **M2** **0.396 A/m**	Grid 2 **M2** **0.409 A/m**	Grid 3 **M2** **0.384 A/m**
Grid 4 **M2** **0.457 A/m**	Grid 5 **M2** **0.476 A/m**	Grid 6 **M2** **0.447 A/m**
Grid 7 **M2** **0.409 A/m**	Grid 8 **M2** **0.429 A/m**	Grid 9 **M2** **0.401 A/m**

Cursor:
Total = 0.4764 A/m
H Category: M2
Location: 0.5, 1, 4.7 mm



HAC-RF Emission

Communication System: CW; Frequency: 1880 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 BA
- Measurement SW: DASY52, Version 52.8 (5);SEMCAD X Version 14.6.8 (7028)

1880MHz Dipole (H-field scan for ANSI C63.19-2007 compliance)/H Scan 1880MHz d = 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 = 0.4960 A/m; Power Drift = -0.03 dB
PMR not calibrated. PMF = 1.000 is applied.
H-field emissions = 0.4685 A/m
Near-field category: M2 (AWF 0 dB)

PMF scaled H-field

Grid 1 **M2** **0.407 A/m**	Grid 2 **M2** **0.421 A/m**	Grid 3 **M2** **0.397 A/m**
Grid 4 **M2** **0.451 A/m**	Grid 5 **M2** **0.468 A/m**	Grid 6 **M2** **0.443 A/m**
Grid 7 **M2** **0.421 A/m**	Grid 8 **M2** **0.442 A/m**	Grid 9 **M2** **0.415 A/m**

Cursor:
Total = 0.4685 A/m
H Category: M2
Location: 0.5, 3.5, 4.7 mm