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 BB
- Measurement SW: DASY52, Version 52.8 (3);SEMCAD X Version 14.6.7 (6848)

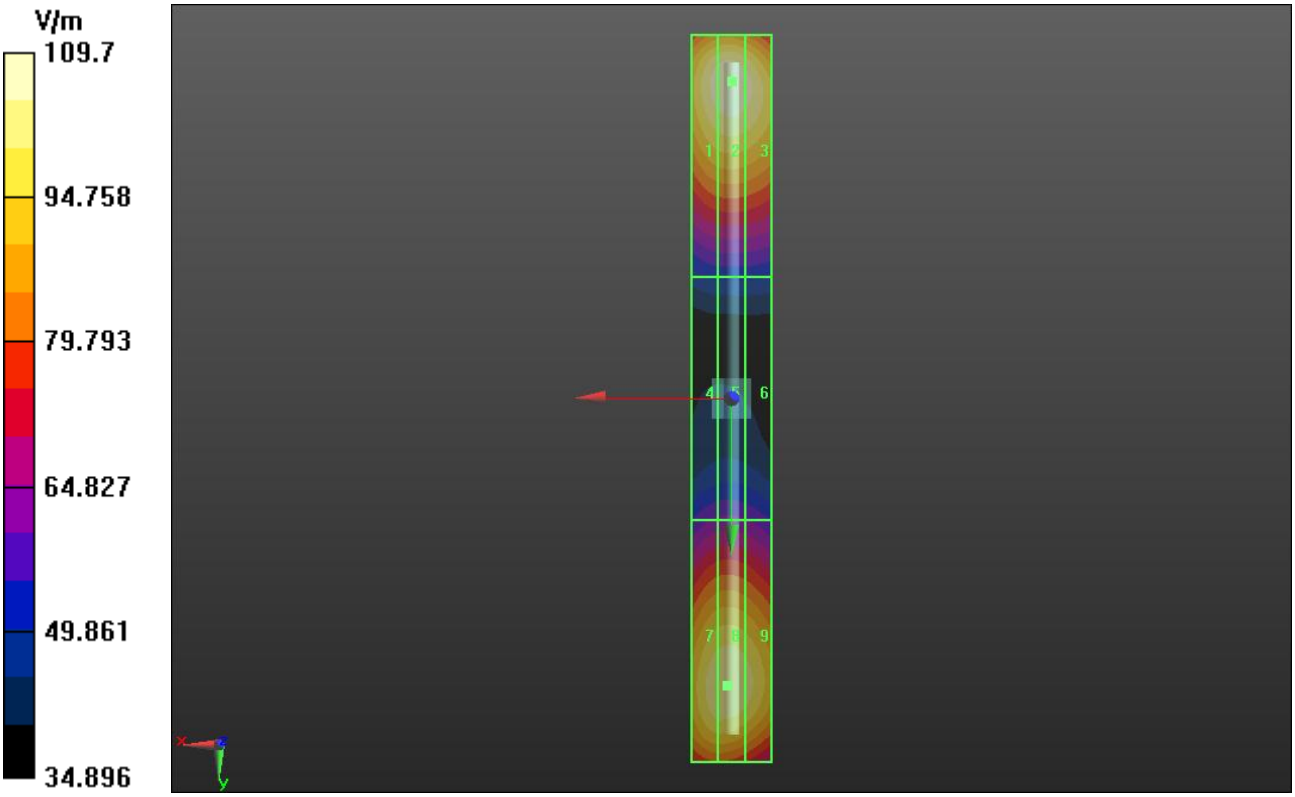
Dipole E-Field measurement (E-field scan for ANSI C63.19-2007 & -2011 compliance)/E Scan 835MHz d = 15mm/Hearing Aid Compatibility Test at 15mm distance (41x361x1):

Interpolated grid: dx=0.5000 mm, dy=0.5000 mm
Device Reference Point: 0, 0, -6.3 mm
Reference Value = 118.8 V/m; Power Drift = -0.05 dB
PMR not calibrated. PMF = 1.000 is applied.
E-field emissions = 109.7 V/m
Near-field category: M4 (AWF 0 dB)

PMF scaled E-field

Grid 1 **M4** **107.7 V/m**	Grid 2 **M4** **109.7 V/m**	Grid 3 **M4** **107.0 V/m**
Grid 4 **M4** **61.08 V/m**	Grid 5 **M4** **61.52 V/m**	Grid 6 **M4** **60.27 V/m**
Grid 7 **M4** **104.1 V/m**	Grid 8 **M4** **104.7 V/m**	Grid 9 **M4** **102.3 V/m**

Cursor:
Total = 109.7 V/m
E Category: M4
Location: 0, -78.5, 9.7 mm



Test Laboratory: UL CCS SAR Lab C Date: 2/5/2013

HAC-RF Emission

Communication System: CW; Frequency: 1880 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 BB
- Measurement SW: DASY52, Version 52.8 (3);SEMCAD X Version 14.6.7 (6848)

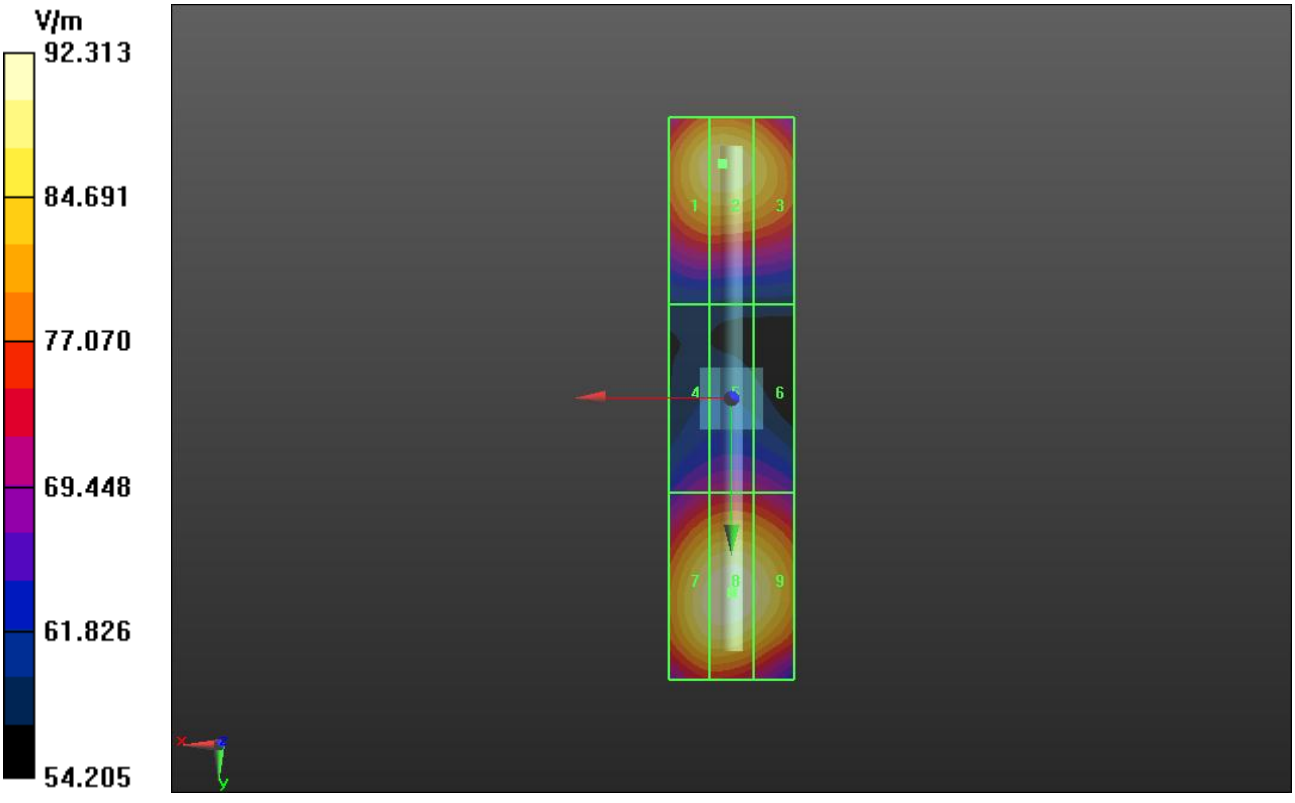
Dipole E-Field measurement (E-field scan for ANSI C63.19-2007 & -2011 compliance)/E Scan 1880MHz d = 15mm/Hearing Aid Compatibility Test at 15mm distance (41x181x1):

Interpolated grid: dx=0.5000 mm, dy=0.5000 mm
Device Reference Point: 0, 0, -6.3 mm
Reference Value = 142.5 V/m; Power Drift = -0.00 dB
PMR not calibrated. PMF = 1.000 is applied.
E-field emissions = 92.31 V/m
Near-field category: M3 (AWF 0 dB)

PMF scaled E-field

Grid 1 **M3** **89.20 V/m**	Grid 2 **M3** **89.79 V/m**	Grid 3 **M3** **87.44 V/m**
Grid 4 **M3** **70.88 V/m**	Grid 5 **M3** **72.21 V/m**	Grid 6 **M3** **71.58 V/m**
Grid 7 **M3** **91.07 V/m**	Grid 8 **M3** **92.31 V/m**	Grid 9 **M3** **90.53 V/m**

Cursor:
Total = 92.31 V/m
E Category: M3
Location: 0, 31, 9.7 mm



Test Laboratory: UL CCS SAR Lab C Date: 2/5/2013

HAC-RF Emission

Communication System: CW; Frequency: 1880 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 BB
- Measurement SW: DASY52, Version 52.8 (3);SEMCAD X Version 14.6.7 (6848)

Dipole E-Field measurement (E-field scan for ANSI C63.19-2007 & -2011 compliance)/E Scan 1730MHz d = 15mm/Hearing Aid Compatibility Test at 15mm distance (41x181x1):

Interpolated grid: dx=0.5000 mm, dy=0.5000 mm
Device Reference Point: 0, 0, -6.3 mm
Reference Value = 156.2 V/m; Power Drift = 0.00 dB
PMR not calibrated. PMF = 1.000 is applied.
E-field emissions = 99.16 V/m
Near-field category: M3 (AWF 0 dB)

PMF scaled E-field

Grid 1 **M3** **92.89 V/m**	Grid 2 **M3** **93.66 V/m**	Grid 3 **M3** **91.40 V/m**
Grid 4 **M3** **75.90 V/m**	Grid 5 **M3** **77.19 V/m**	Grid 6 **M3** **76.04 V/m**
Grid 7 **M3** **97.89 V/m**	Grid 8 **M3** **99.16 V/m**	Grid 9 **M3** **96.91 V/m**

Cursor:
Total = 99.16 V/m
E Category: M3
Location: 0.5, 31, 9.7 mm