Date: 7/2/2012

Test Laboratory: UL CCS SAR Lab C

20120702 HAC-RF Emission System Validation (ER3DV6 SN2509)

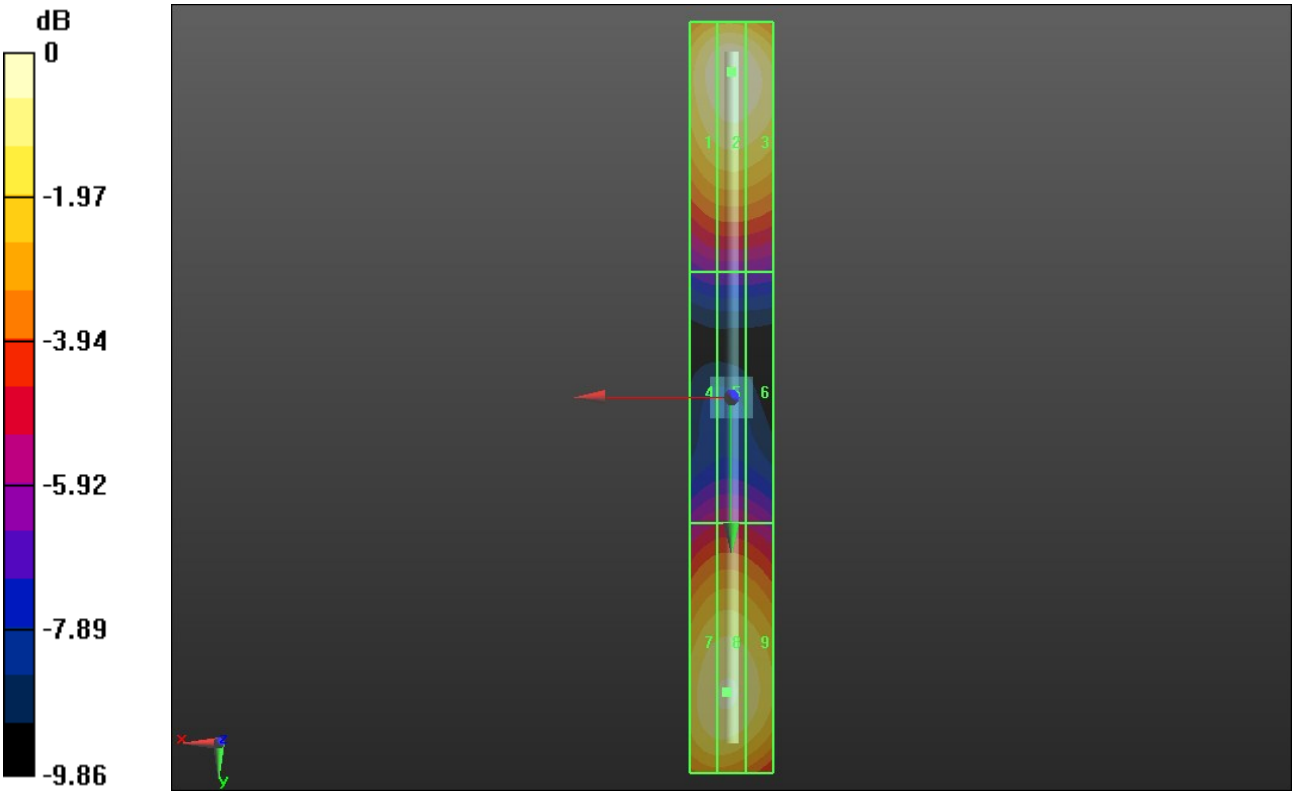
Communication System: CW; Frequency: 835 MHz; Duty Cycle: 1:1
Phantom section: RF Section
DASY5 Configuration:
- Probe: ER3DV6 - SN2509; ConvF(1, 1, 1); Calibrated: 6/20/2012
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1239; Calibrated: 6/6/2012
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.8 (1);SEMCAD X Version 14.6.4 (4989)

CD835/E Scan/Hearing Aid Compatibility Test at 15mm distance (41x361x1): Measurement grid: dx=5mm, dy=5mm

Device Reference Point: 0, 0, -6.3 mm
Reference Value = 117.8 V/m; Power Drift = -0.01 dB
PMR not calibrated. PMF = 1.000 is applied.
E-field emissions = 112.3 V/m
Near-field category: M4 (AWF 0 dB)

PMF scaled E-field

Grid 1 **M4** **109.7 V/m**	Grid 2 **M4** **112.3 V/m**	Grid 3 **M4** **110.3 V/m**
Grid 4 **M4** **61.05 V/m**	Grid 5 **M4** **61.68 V/m**	Grid 6 **M4** **60.33 V/m**
Grid 7 **M4** **104.1 V/m**	Grid 8 **M4** **105.1 V/m**	Grid 9 **M4** **101.9 V/m**



0 dB = 112.3V/m = 41.01 dB V/m

Date: 7/2/2012

Test Laboratory: UL CCS SAR Lab C

20120702 HAC-RF Emission System Validation (ER3DV6 SN2509)

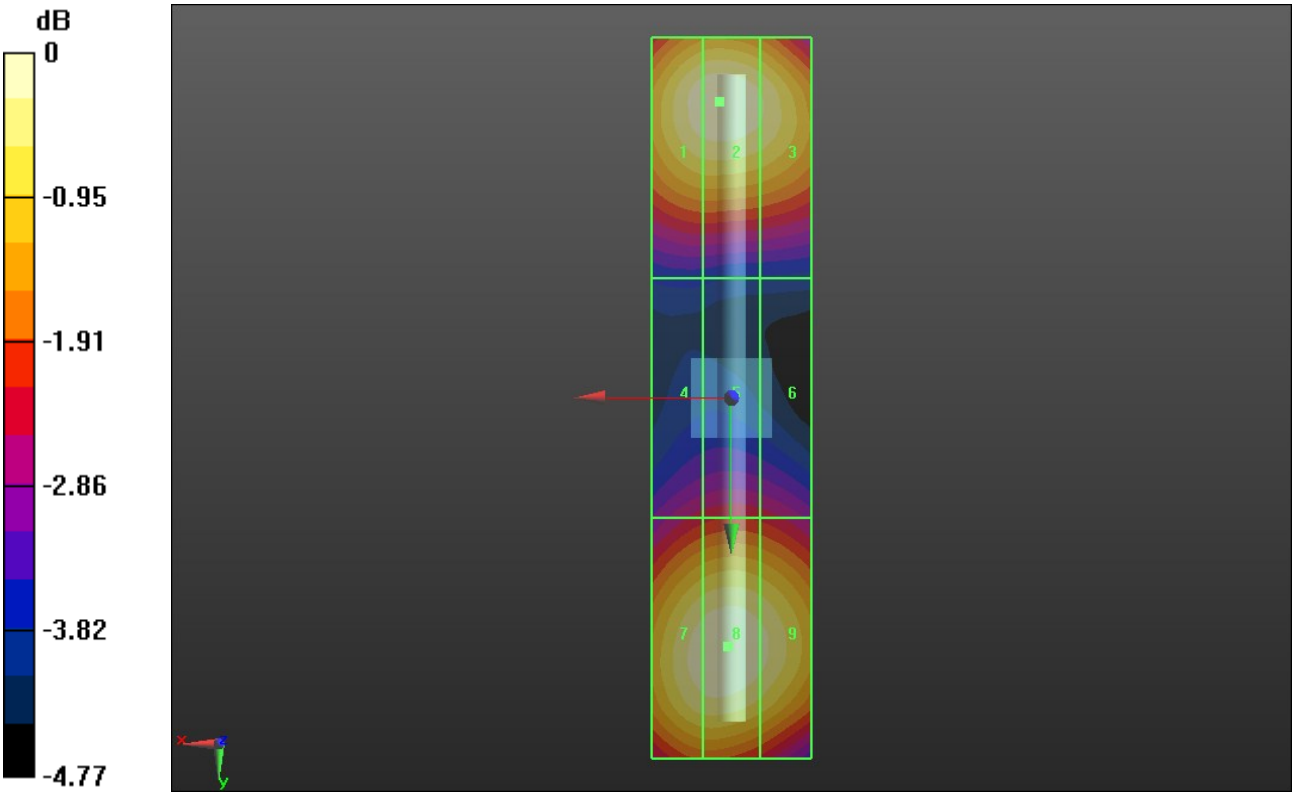
Communication System: CW; Frequency: 1880 MHz; Duty Cycle: 1:1
Phantom section: RF Section
DASY5 Configuration:
- Probe: ER3DV6 - SN2509; ConvF(1, 1, 1); Calibrated: 6/20/2012
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1239; Calibrated: 6/6/2012
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.8 (1);SEMCAD X Version 14.6.4 (4989)

CD1880/E /Hearing Aid Compatibility Test at 15mm distance (41x181x1): Measurement grid: dx=5mm, dy=5mm

Device Reference Point: 0, 0, -6.3 mm
Reference Value = 137.8 V/m; Power Drift = 0.00 dB
PMR not calibrated. PMF = 1.000 is applied.
E-field emissions = 89.76 V/m
Near-field category: M3 (AWF 0 dB)

PMF scaled E-field

Grid 1 **M3** **88.85 V/m**	Grid 2 **M3** **89.50 V/m**	Grid 3 **M3** **87.13 V/m**
Grid 4 **M3** **68.58 V/m**	Grid 5 **M3** **69.73 V/m**	Grid 6 **M3** **68.98 V/m**
Grid 7 **M3** **88.79 V/m**	Grid 8 **M3** **89.76 V/m**	Grid 9 **M3** **87.73 V/m**



0 dB = 89.760V/m = 39.06 dB V/m

Date: 7/2/2012

Test Laboratory: UL CCS SAR Lab C

20120702 HAC-RF Emission System Validation (ER3DV6 SN2516)

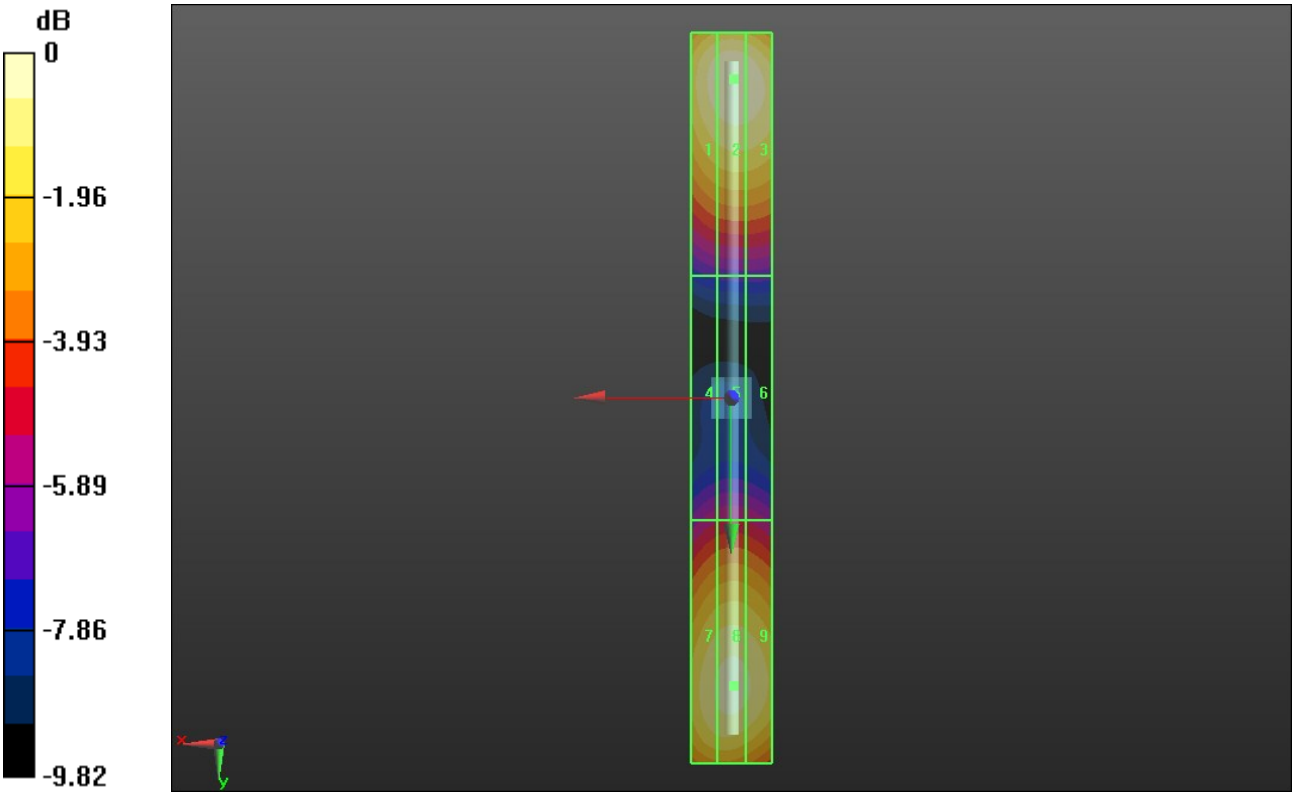
Communication System: CW; Frequency: 835 MHz; Duty Cycle: 1:1
Phantom section: RF Section
DASY5 Configuration:
- Probe: ER3DV6 - SN2516; ConvF(1, 1, 1); Calibrated: 8/8/2011
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1239; Calibrated: 6/6/2012
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.8 (1);SEMCAD X Version 14.6.4 (4989)

CD835/E Scan/Hearing Aid Compatibility Test at 15mm distance (41x361x1): Measurement grid: dx=5mm, dy=5mm

Device Reference Point: 0, 0, -6.3 mm
Reference Value = 115.3 V/m; Power Drift = 0.04 dB
PMR not calibrated. PMF = 1.000 is applied.
E-field emissions = 109.2 V/m
Near-field category: M4 (AWF 0 dB)

PMF scaled E-field

Grid 1 **M4** **106.2 V/m**	Grid 2 **M4** **109.2 V/m**	Grid 3 **M4** **108.0 V/m**
Grid 4 **M4** **59.13 V/m**	Grid 5 **M4** **60.21 V/m**	Grid 6 **M4** **59.47 V/m**
Grid 7 **M4** **102.2 V/m**	Grid 8 **M4** **104.4 V/m**	Grid 9 **M4** **102.7 V/m**



0 dB = 109.2V/m = 40.76 dB V/m

Date: 7/2/2012

Test Laboratory: UL CCS SAR Lab C

20120702 HAC-RF Emission System Validation (ER3DV6 SN2516)

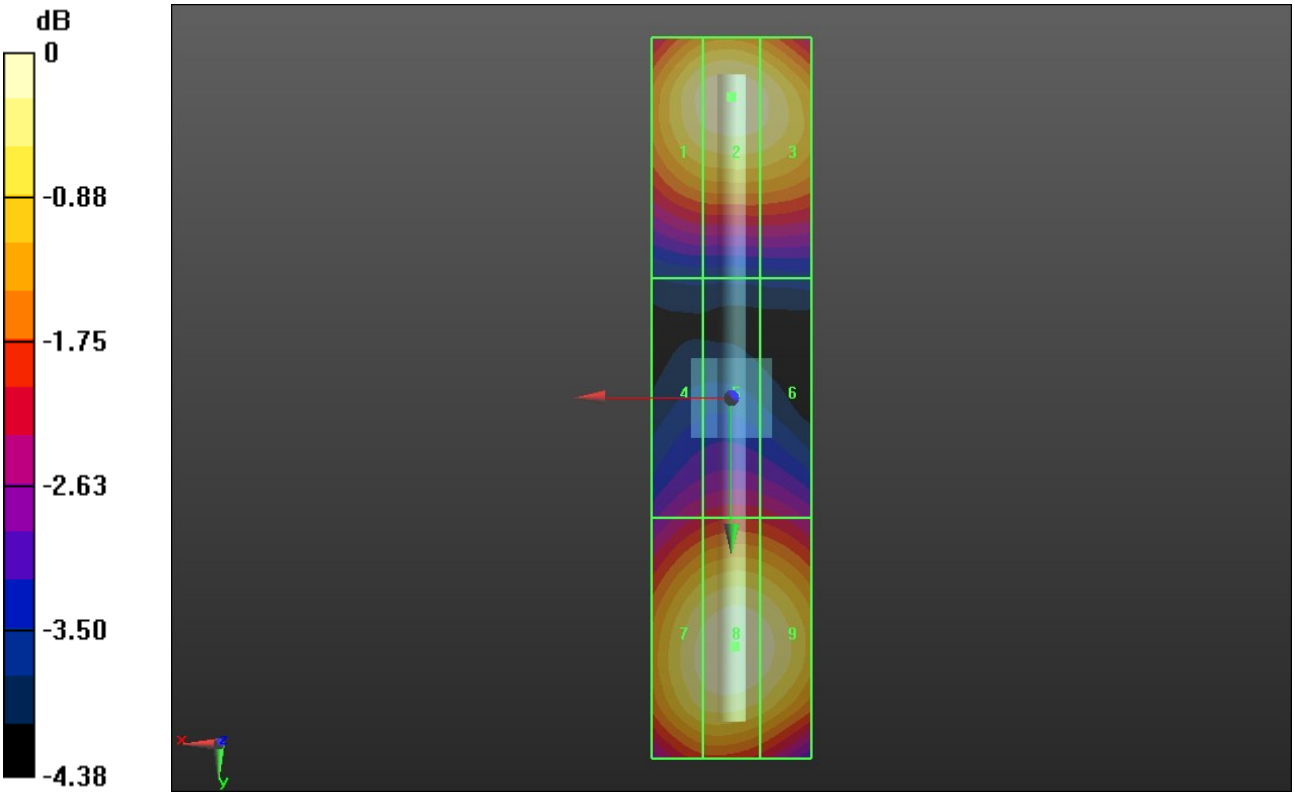
Communication System: CW; Frequency: 1880 MHz; Duty Cycle: 1:1
Phantom section: RF Section
DASY5 Configuration:
- Probe: ER3DV6 - SN2516; ConvF(1, 1, 1); Calibrated: 8/8/2011
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1239; Calibrated: 6/6/2012
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.8 (1);SEMCAD X Version 14.6.4 (4989)

CD1880/E Scan/Hearing Aid Compatibility Test at 15mm distance (41x181x1): Measurement grid: dx=5mm, dy=5mm

Device Reference Point: 0, 0, -6.3 mm
Reference Value = 134.6 V/m; Power Drift = 0.00 dB
PMR not calibrated. PMF = 1.000 is applied.
E-field emissions = 87.31 V/m
Near-field category: M3 (AWF 0 dB)

PMF scaled E-field

Grid 1 **M3** **85.69 V/m**	Grid 2 **M3** **86.93 V/m**	Grid 3 **M3** **85.58 V/m**
Grid 4 **M3** **67.71 V/m**	Grid 5 **M3** **69.08 V/m**	Grid 6 **M3** **68.55 V/m**
Grid 7 **M3** **85.74 V/m**	Grid 8 **M3** **87.31 V/m**	Grid 9 **M3** **86.13 V/m**



0 dB = 87.310V/m = 38.82 dB V/m

Date: 7/18/2012

Test Laboratory: UL CCS SAR Lab C

20120718 HAC-RF Emission System Validation (ER3DV6 SN2509)

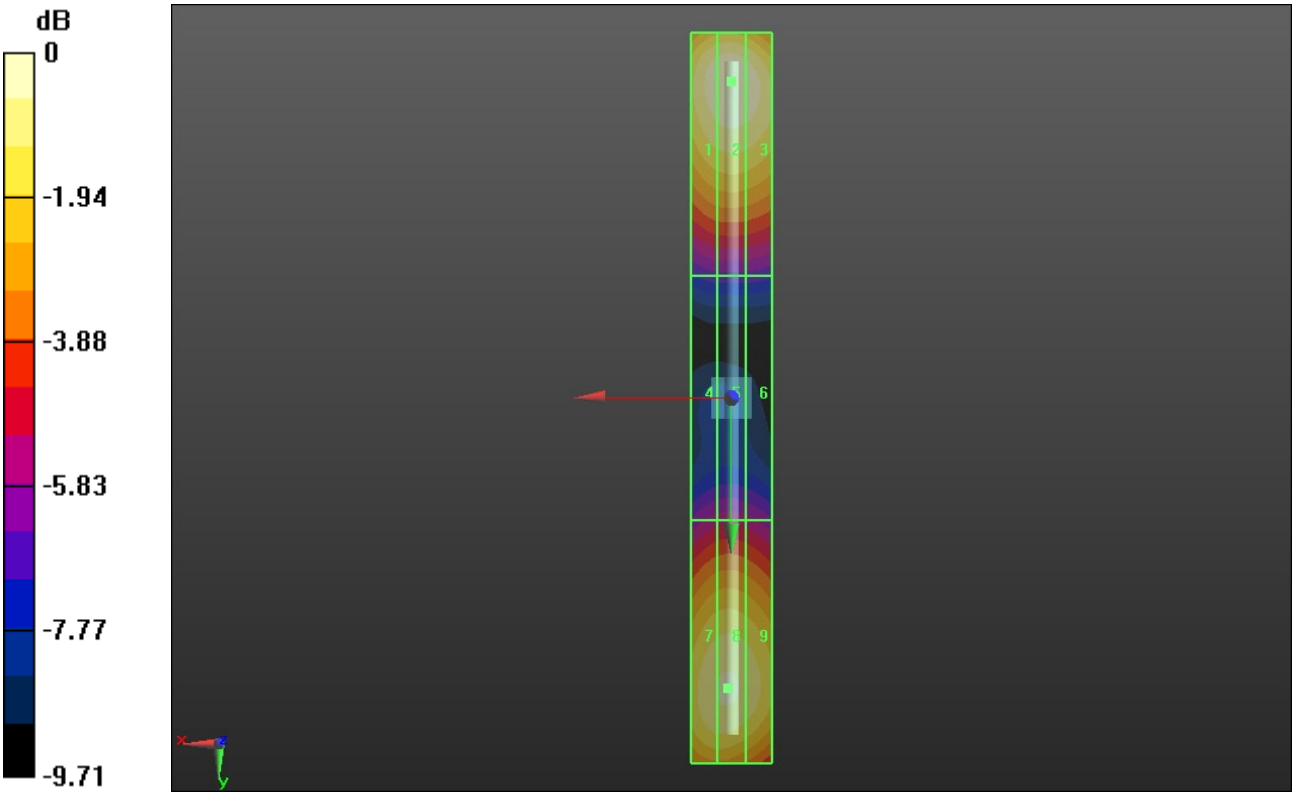
Communication System: CW; Frequency: 835 MHz; Duty Cycle: 1:1
Phantom section: RF Section
DASY5 Configuration:
- Probe: ER3DV6 - SN2509; ConvF(1, 1, 1); Calibrated: 6/20/2012
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1239; Calibrated: 6/6/2012
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.8 (1);SEMCAD X Version 14.6.4 (4989)

CD835/E Scan/Hearing Aid Compatibility Test at 15mm distance (41x361x1): Measurement grid: dx=5mm, dy=5mm

Device Reference Point: 0, 0, -6.3 mm
Reference Value = 112.7 V/m; Power Drift = 0.02 dB
PMR not calibrated. PMF = 1.000 is applied.
E-field emissions = 110.2 V/m
Near-field category: M4 (AWF 0 dB)

PMF scaled E-field

Grid 1 **M4** **108.2 V/m**	Grid 2 **M4** **110.2 V/m**	Grid 3 **M4** **108.0 V/m**
Grid 4 **M4** **58.64 V/m**	Grid 5 **M4** **59.28 V/m**	Grid 6 **M4** **57.98 V/m**
Grid 7 **M4** **102.6 V/m**	Grid 8 **M4** **103.4 V/m**	Grid 9 **M4** **100.7 V/m**



0 dB = 110.2V/m = 40.84 dB V/m

Date: 7/18/2012

Test Laboratory: UL CCS SAR Lab C

20120718 HAC-RF Emission System Validation (ER3DV6 SN2509)

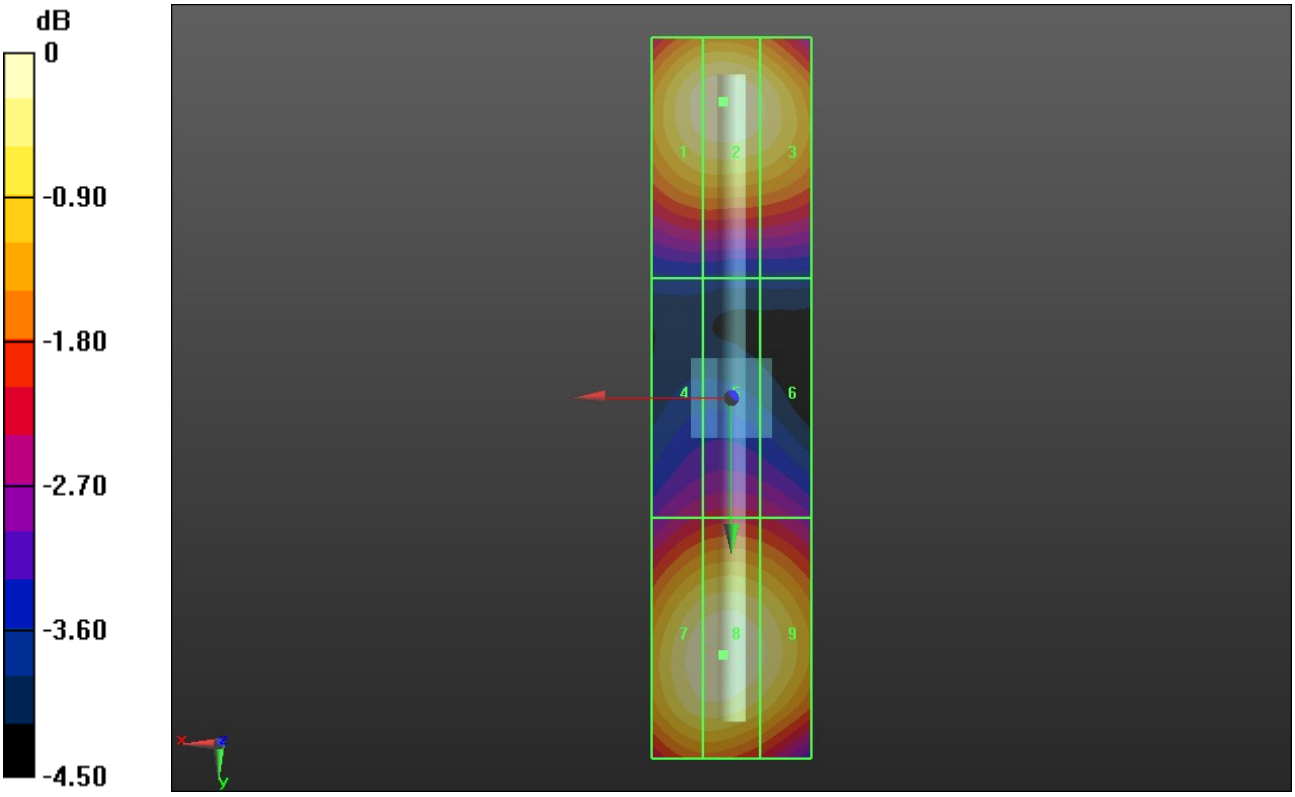
Communication System: CW; Frequency: 1880 MHz; Duty Cycle: 1:1
Phantom section: RF Section
DASY5 Configuration:
- Probe: ER3DV6 - SN2509; ConvF(1, 1, 1); Calibrated: 6/20/2012
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1239; Calibrated: 6/6/2012
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.8 (1);SEMCAD X Version 14.6.4 (4989)

CD1880/E Scan/Hearing Aid Compatibility Test at 15mm distance (41x181x1): Measurement grid: dx=5mm, dy=5mm

Device Reference Point: 0, 0, -6.3 mm
Reference Value = 137.6 V/m; Power Drift = 0.00 dB
PMR not calibrated. PMF = 1.000 is applied.
E-field emissions = 89.46 V/m
Near-field category: M3 (AWF 0 dB)

PMF scaled E-field

Grid 1 **M3** **88.46 V/m**	Grid 2 **M3** **89.32 V/m**	Grid 3 **M3** **87.24 V/m**
Grid 4 **M3** **68.70 V/m**	Grid 5 **M3** **69.63 V/m**	Grid 6 **M3** **68.81 V/m**
Grid 7 **M3** **88.90 V/m**	Grid 8 **M3** **89.46 V/m**	Grid 9 **M3** **87.16 V/m**



0 dB = 89.460V/m = 39.03 dB V/m

Date: 7/18/2012

Test Laboratory: UL CCS SAR Lab C

20120718 HAC-RF Emission System Validation (ER3DV6 SN2516)

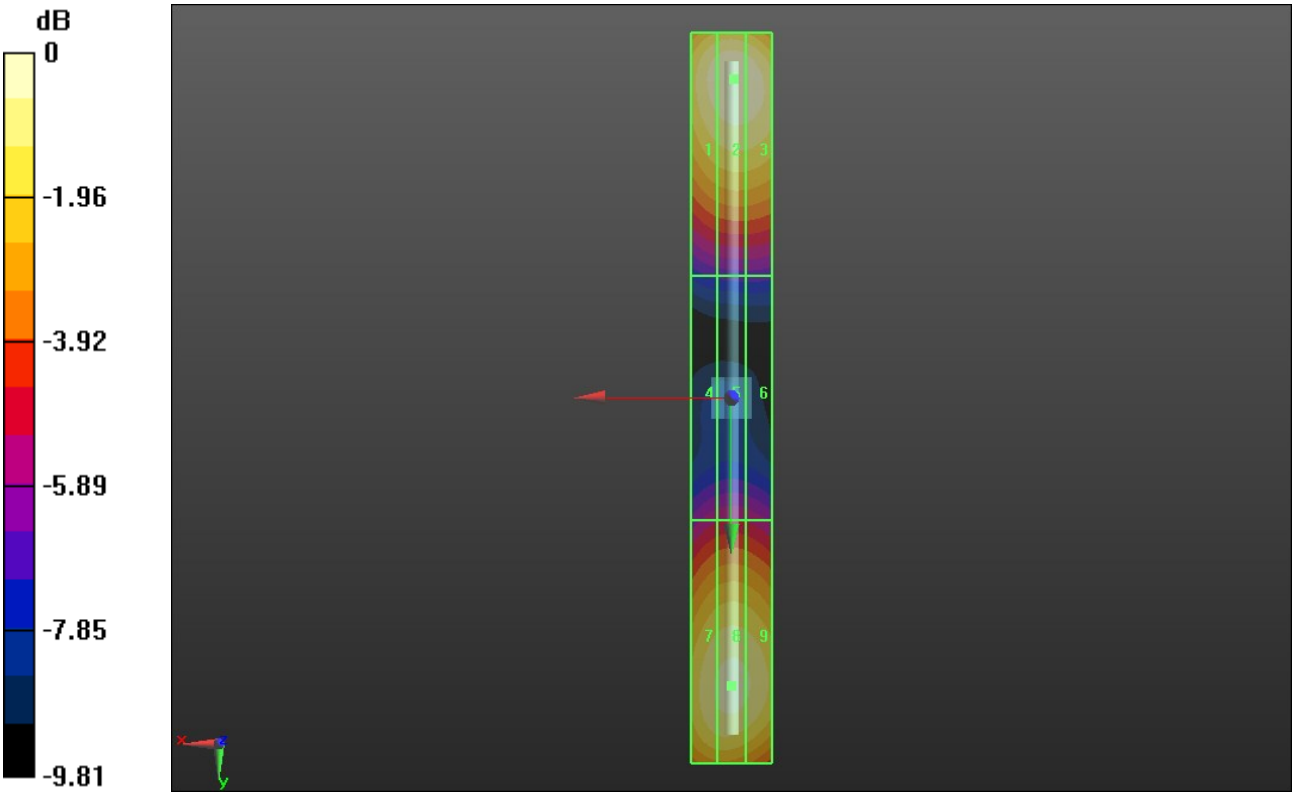
Communication System: CW; Frequency: 835 MHz; Duty Cycle: 1:1
Phantom section: RF Section
DASY5 Configuration:
- Probe: ER3DV6 - SN2516; ConvF(1, 1, 1); Calibrated: 8/8/2011
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1239; Calibrated: 6/6/2012
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.8 (1);SEMCAD X Version 14.6.4 (4989)

CD835/E Scan/Hearing Aid Compatibility Test at 15mm distance (41x361x1): Measurement grid: dx=5mm, dy=5mm

Device Reference Point: 0, 0, -6.3 mm
Reference Value = 115.7 V/m; Power Drift = -0.03 dB
PMR not calibrated. PMF = 1.000 is applied.
E-field emissions = 109.1 V/m
Near-field category: M4 (AWF 0 dB)

PMF scaled E-field

Grid 1 **M4** **106.1 V/m**	Grid 2 **M4** **109.1 V/m**	Grid 3 **M4** **107.7 V/m**
Grid 4 **M4** **59.07 V/m**	Grid 5 **M4** **60.04 V/m**	Grid 6 **M4** **59.33 V/m**
Grid 7 **M4** **102.1 V/m**	Grid 8 **M4** **104.0 V/m**	Grid 9 **M4** **102.4 V/m**



0 dB = 109.1V/m = 40.76 dB V/m

Date: 7/18/2012

Test Laboratory: UL CCS SAR Lab C

20120718 HAC-RF Emission System Validation (ER3DV6 SN2516)

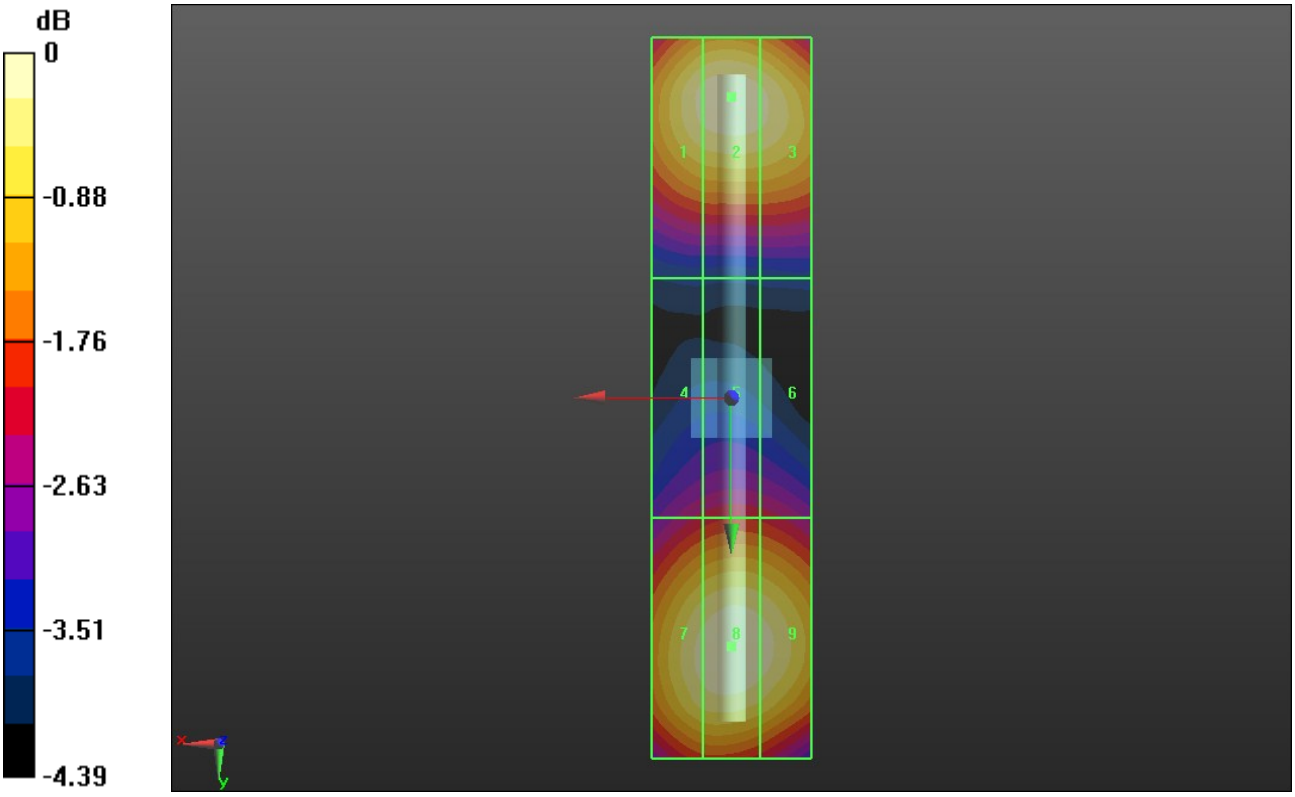
Communication System: CW; Frequency: 1880 MHz; Duty Cycle: 1:1
Phantom section: RF Section
DASY5 Configuration:
- Probe: ER3DV6 - SN2516; ConvF(1, 1, 1); Calibrated: 8/8/2011
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1239; Calibrated: 6/6/2012
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.8 (1);SEMCAD X Version 14.6.4 (4989)

CD1880/E Scan/Hearing Aid Compatibility Test at 15mm distance (41x181x1): Measurement grid: dx=5mm, dy=5mm

Device Reference Point: 0, 0, -6.3 mm
Reference Value = 134.8 V/m; Power Drift = -0.01 dB
PMR not calibrated. PMF = 1.000 is applied.
E-field emissions = 87.41 V/m
Near-field category: M3 (AWF 0 dB)

PMF scaled E-field

Grid 1 **M3** **85.73 V/m**	Grid 2 **M3** **86.94 V/m**	Grid 3 **M3** **85.60 V/m**
Grid 4 **M3** **67.74 V/m**	Grid 5 **M3** **69.16 V/m**	Grid 6 **M3** **68.61 V/m**
Grid 7 **M3** **85.80 V/m**	Grid 8 **M3** **87.41 V/m**	Grid 9 **M3** **86.19 V/m**



0 dB = 87.410V/m = 38.83 dB V/m

Date: 7/30/2012

Test Laboratory: UL CCS SAR Lab C

20120730 HAC-RF Emission System Validation (ER3DV6 SN2516)

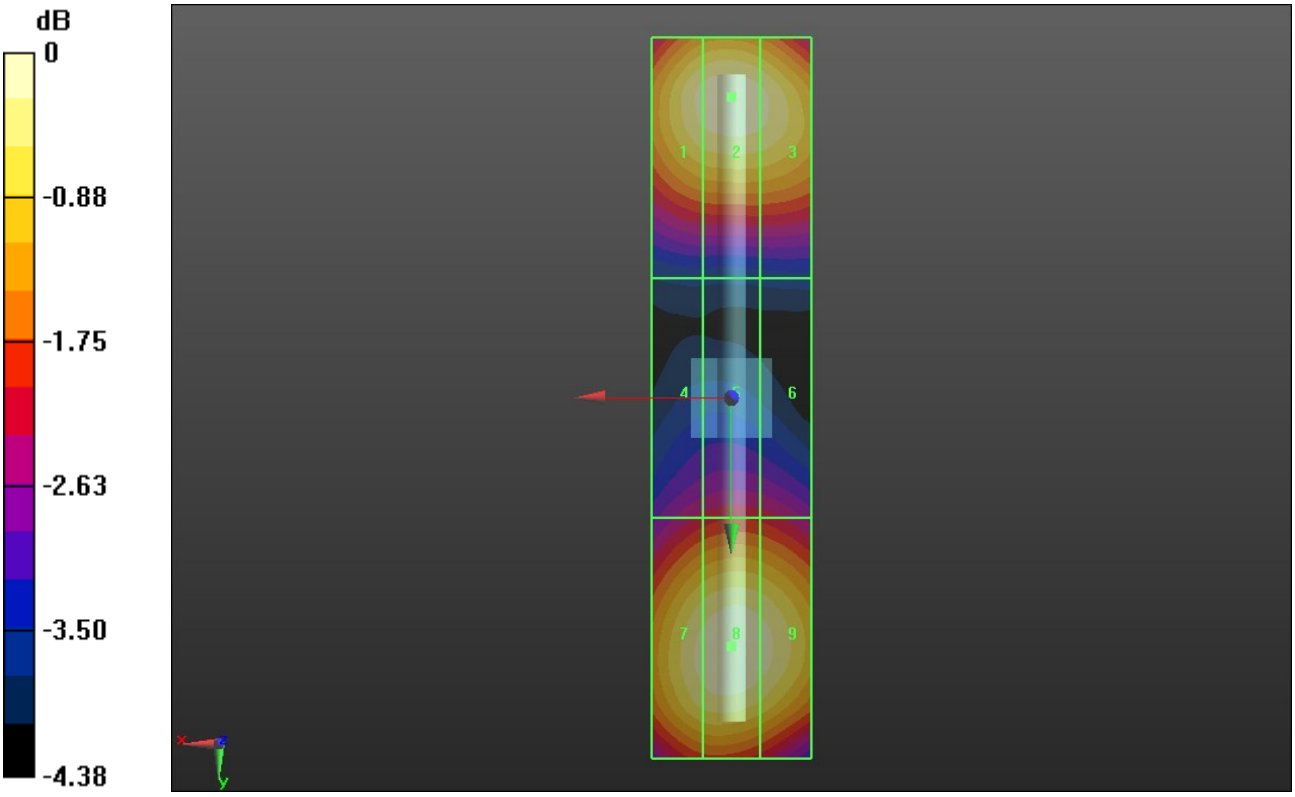
Communication System: CW; Frequency: 1880 MHz; Duty Cycle: 1:1
Phantom section: RF Section
DASY5 Configuration:
- Probe: ER3DV6 - SN2516; ConvF(1, 1, 1); Calibrated: 8/8/2011
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1239; Calibrated: 6/6/2012
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.8 (1);SEMCAD X Version 14.6.4 (4989)

CD1880/E Scan/Hearing Aid Compatibility Test at 15mm distance (41x181x1): Measurement grid: dx=5mm, dy=5mm

Device Reference Point: 0, 0, -6.3 mm
Reference Value = 134.5 V/m; Power Drift = 0.00 dB
PMR not calibrated. PMF = 1.000 is applied.
E-field emissions = 87.20 V/m
Near-field category: M3 (AWF 0 dB)

PMF scaled E-field

Grid 1 **M3** **85.58 V/m**	Grid 2 **M3** **86.80 V/m**	Grid 3 **M3** **85.45 V/m**
Grid 4 **M3** **67.61 V/m**	Grid 5 **M3** **68.93 V/m**	Grid 6 **M3** **68.37 V/m**
Grid 7 **M3** **85.59 V/m**	Grid 8 **M3** **87.20 V/m**	Grid 9 **M3** **85.93 V/m**



0 dB = 87.200V/m = 38.81 dB V/m