HAC-RF Emission

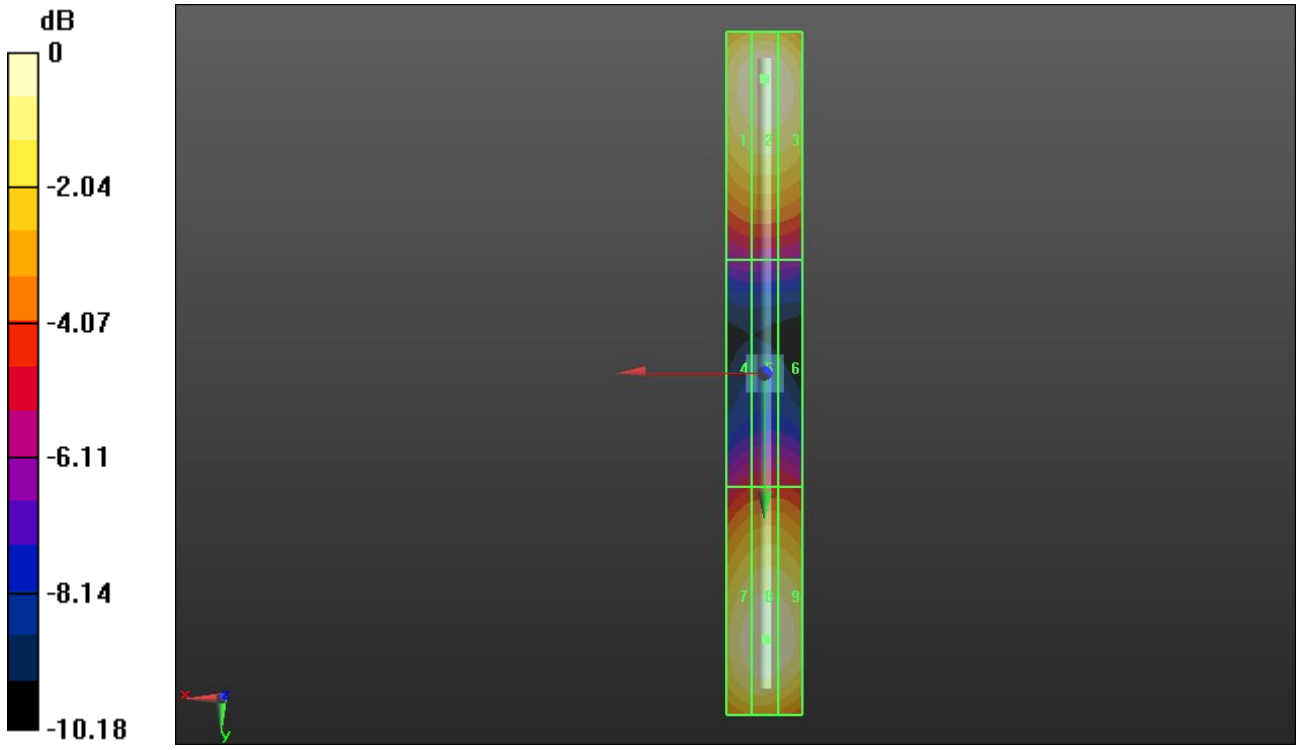
Communication System: UID 0, CW; Frequency: 835 MHz; Duty Cycle: 1:1
Phantom section: RF Section
DASY5 Configuration:
- Probe: ER3DV6 - SN2540; ConvF(1, 1, 1); Calibrated: 8/26/2014;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1359; Calibrated: 2/17/2014
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.8 (7);SEMCAD X Version 14.6.10 (7164)

Dipole E-Field measurement/835 MHz/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 = 124.7 V/m; Power Drift = 0.16 dB
PMR not calibrated. PMF = 1.000 is applied.
E-field emissions = 110.7 V/m
Near-field category: M4 (AWF 0 dB)

PMF scaled E-field

Grid 1 **M4** **109.0 V/m**	Grid 2 **M4** **110.6 V/m**	Grid 3 **M4** **109.1 V/m**
Grid 4 **M4** **64.08 V/m**	Grid 5 **M4** **65.47 V/m**	Grid 6 **M4** **65.47 V/m**
Grid 7 **M4** **107.7 V/m**	Grid 8 **M4** **110.7 V/m**	Grid 9 **M4** **109.1 V/m**



0 dB = 110.7 V/m = 40.88 dBV/m

HAC-RF Emission

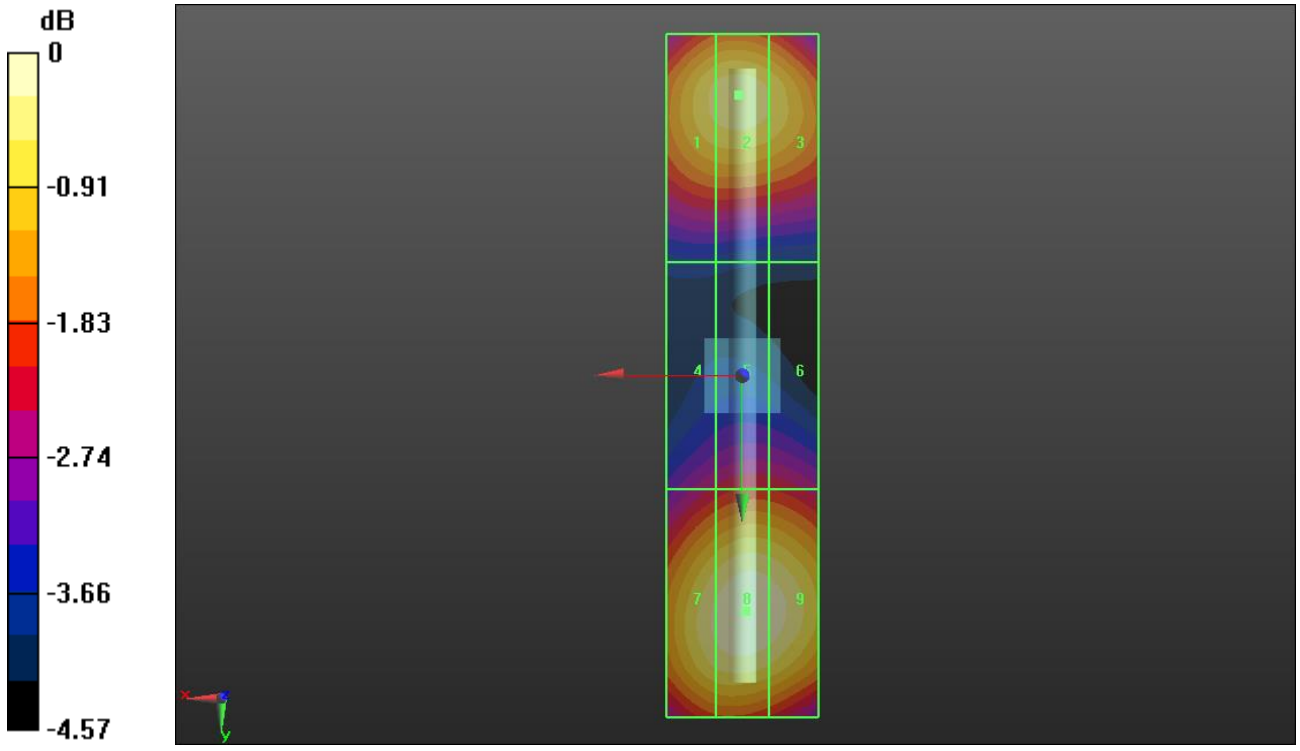
Communication System: UID 0, CW; Frequency: 1880 MHz; Duty Cycle: 1:1
Phantom section: RF Section
DASY5 Configuration:
- Probe: ER3DV6 - SN2540; ConvF(1, 1, 1); Calibrated: 8/26/2014;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1359; Calibrated: 2/17/2014
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.8 (7);SEMCAD X Version 14.6.10 (7164)

Dipole E-Field measurement/1880 MHz/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 = 133.8 V/m; Power Drift = 0.04 dB
PMR not calibrated. PMF = 1.000 is applied.
E-field emissions = 87.98 V/m
Near-field category: M3 (AWF 0 dB)

PMF scaled E-field

Grid 1 **M3** **83.01 V/m**	Grid 2 **M3** **84.01 V/m**	Grid 3 **M3** **82.28 V/m**
Grid 4 **M3** **67.29 V/m**	Grid 5 **M3** **69.51 V/m**	Grid 6 **M3** **69.15 V/m**
Grid 7 **M3** **85.70 V/m**	Grid 8 **M3** **87.98 V/m**	Grid 9 **M3** **87.04 V/m**



0 dB = 87.98 V/m = 38.89 dBV/m

Test Laboratory: UL Verification Services Inc., SAR Lab 2 Date: 2/5/2015

HAC-RF Emission

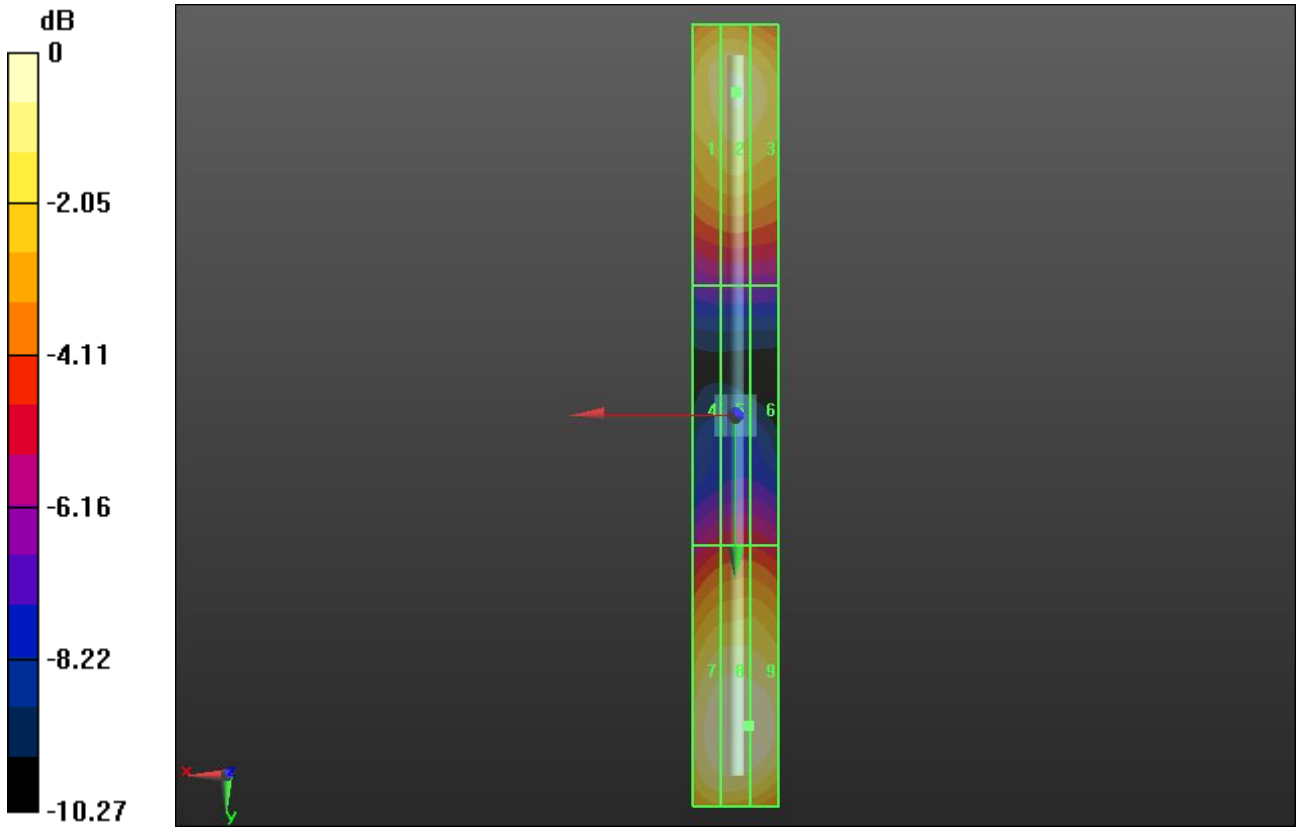
Communication System: UID 0, CW; Frequency: 835 MHz; Duty Cycle: 1:1
Phantom section: RF Section
DASY5 Configuration:
- Probe: ER3DV6 - SN2540; ConvF(1, 1, 1); Calibrated: 8/26/2014;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1359; Calibrated: 2/17/2014
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.8 (7);SEMCAD X Version 14.6.10 (7164)

Dipole E-Field measurement/835 MHz/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 = 121.4 V/m; Power Drift = -0.03 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** **98.61 V/m**	Grid 2 **M4** **102.8 V/m**	Grid 3 **M4** **99.39 V/m**
Grid 4 **M4** **61.60 V/m**	Grid 5 **M4** **63.46 V/m**	Grid 6 **M4** **63.07 V/m**
Grid 7 **M4** **107.6 V/m**	Grid 8 **M4** **109.2 V/m**	Grid 9 **M4** **109.1 V/m**



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

HAC-RF Emission

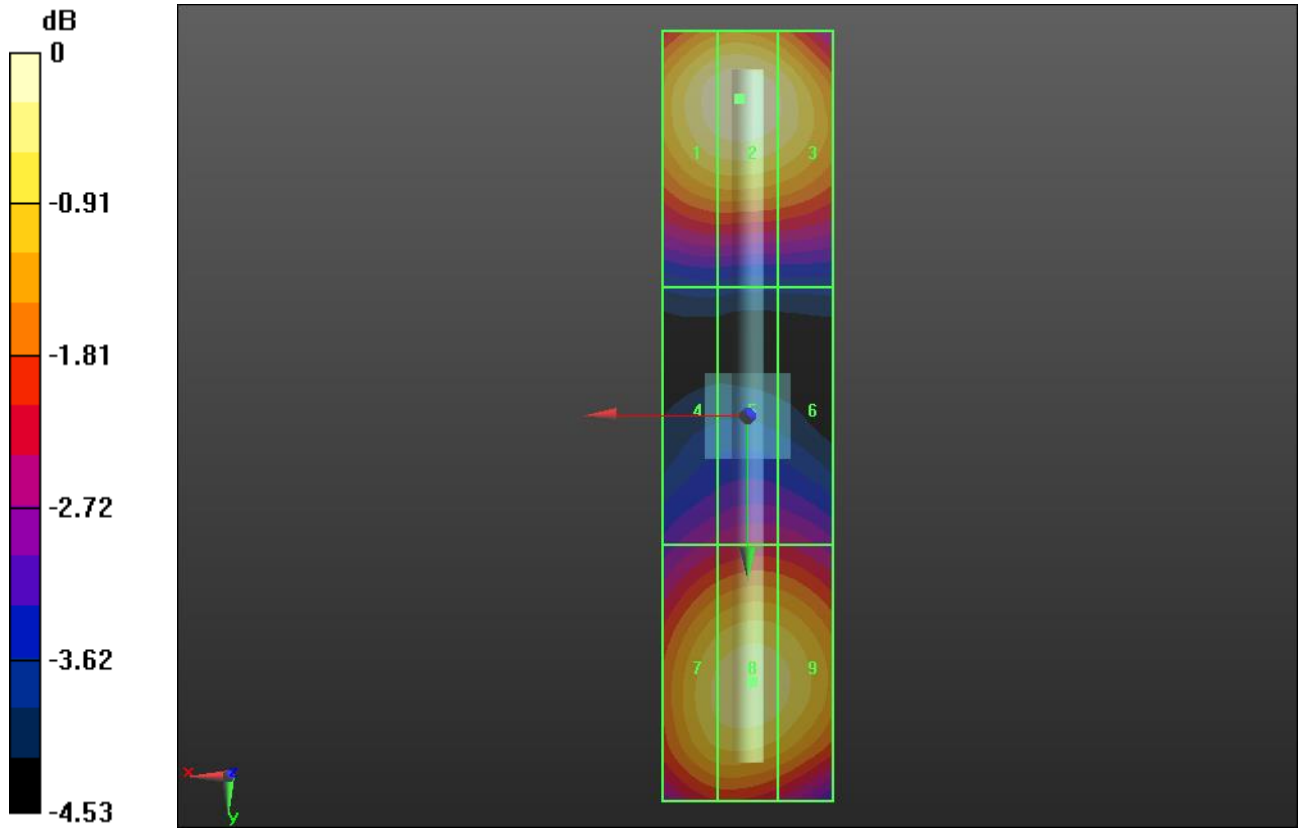
Communication System: UID 0, CW; Frequency: 1880 MHz; Duty Cycle: 1:1
Phantom section: RF Section
DASY5 Configuration:
- Probe: ER3DV6 - SN2540; ConvF(1, 1, 1); Calibrated: 8/26/2014;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1359; Calibrated: 2/17/2014
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.8 (7);SEMCAD X Version 14.6.10 (7164)

Dipole E-Field measurement/1880 MHz/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 = 127.2 V/m; Power Drift = 0.04 dB
PMR not calibrated. PMF = 1.000 is applied.
E-field emissions = 88.62 V/m
Near-field category: M3 (AWF 0 dB)

PMF scaled E-field

Grid 1 **M3** **87.78 V/m**	Grid 2 **M3** **88.62 V/m**	Grid 3 **M3** **86.16 V/m**
Grid 4 **M3** **66.25 V/m**	Grid 5 **M3** **67.80 V/m**	Grid 6 **M3** **67.46 V/m**
Grid 7 **M3** **83.53 V/m**	Grid 8 **M3** **84.95 V/m**	Grid 9 **M3** **83.87 V/m**



0 dB = 88.62 V/m = 38.95 dBV/m