HAC-RF Emission

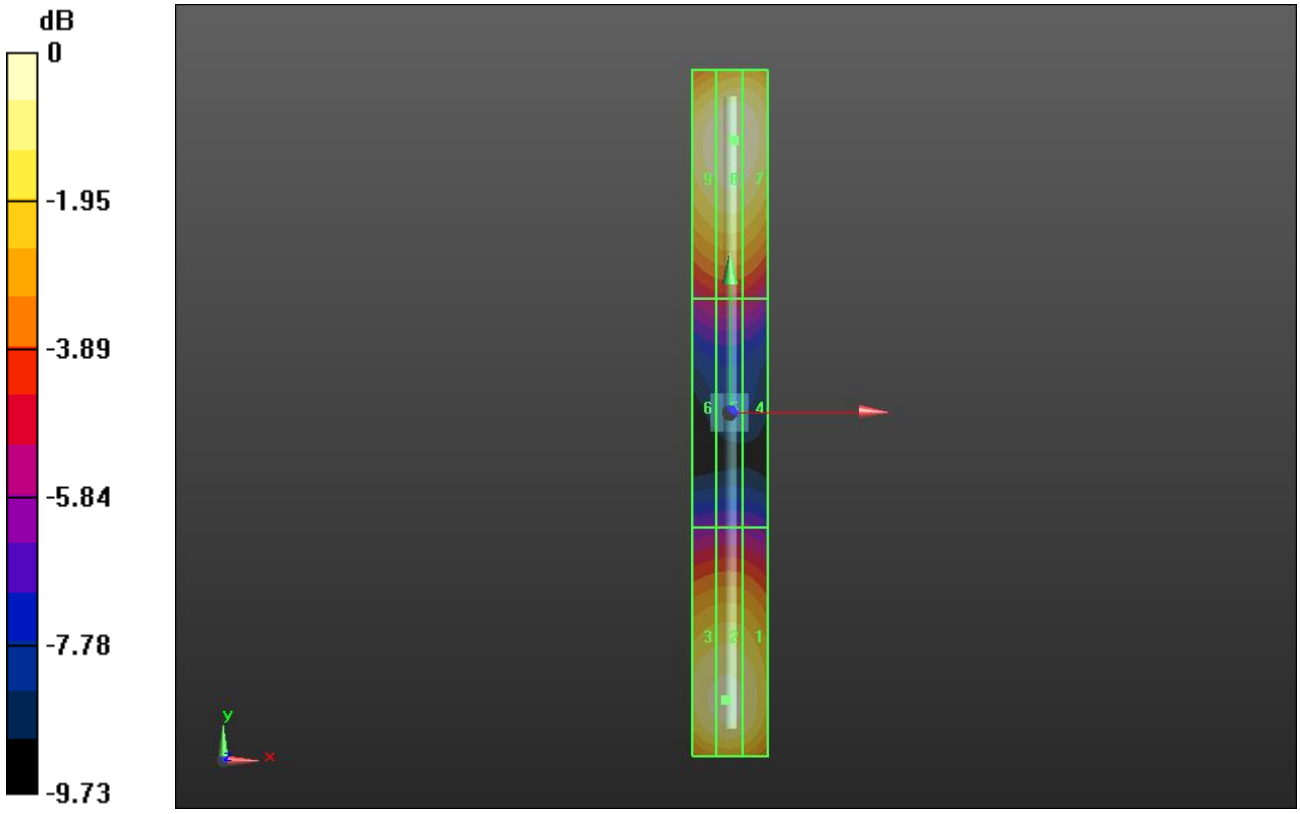
Communication System: UID 0, CW; Frequency: 835 MHz; Duty Cycle: 1:1
Phantom section: RF Section
DASY5 Configuration:
- Probe: ER3DV6 - SN2509; ConvF(1, 1, 1); Calibrated: 5/12/2017;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1377; Calibrated: 9/14/2016
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.8 (7);SEMCAD X Version 14.6.10 (7164)

Dipole E-Field measurement 835MHz/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 = 120.1 V/m; Power Drift = 0.00 dB
PMR not calibrated. PMF = 1.000 is applied.
E-field emissions = 107.8 V/m
Near-field category: M4 (AWF 0 dB)

PMF scaled E-field

Grid 1 **M4** **100.4 V/m**	Grid 2 **M4** **103.2 V/m**	Grid 3 **M4** **102.3 V/m**
Grid 4 **M4** **61.35 V/m**	Grid 5 **M4** **62.36 V/m**	Grid 6 **M4** **61.64 V/m**
Grid 7 **M4** **107.0 V/m**	Grid 8 **M4** **107.8 V/m**	Grid 9 **M4** **105.5 V/m**



0 dB = 107.8 V/m = 40.65 dBV/m

HAC-RF Emission

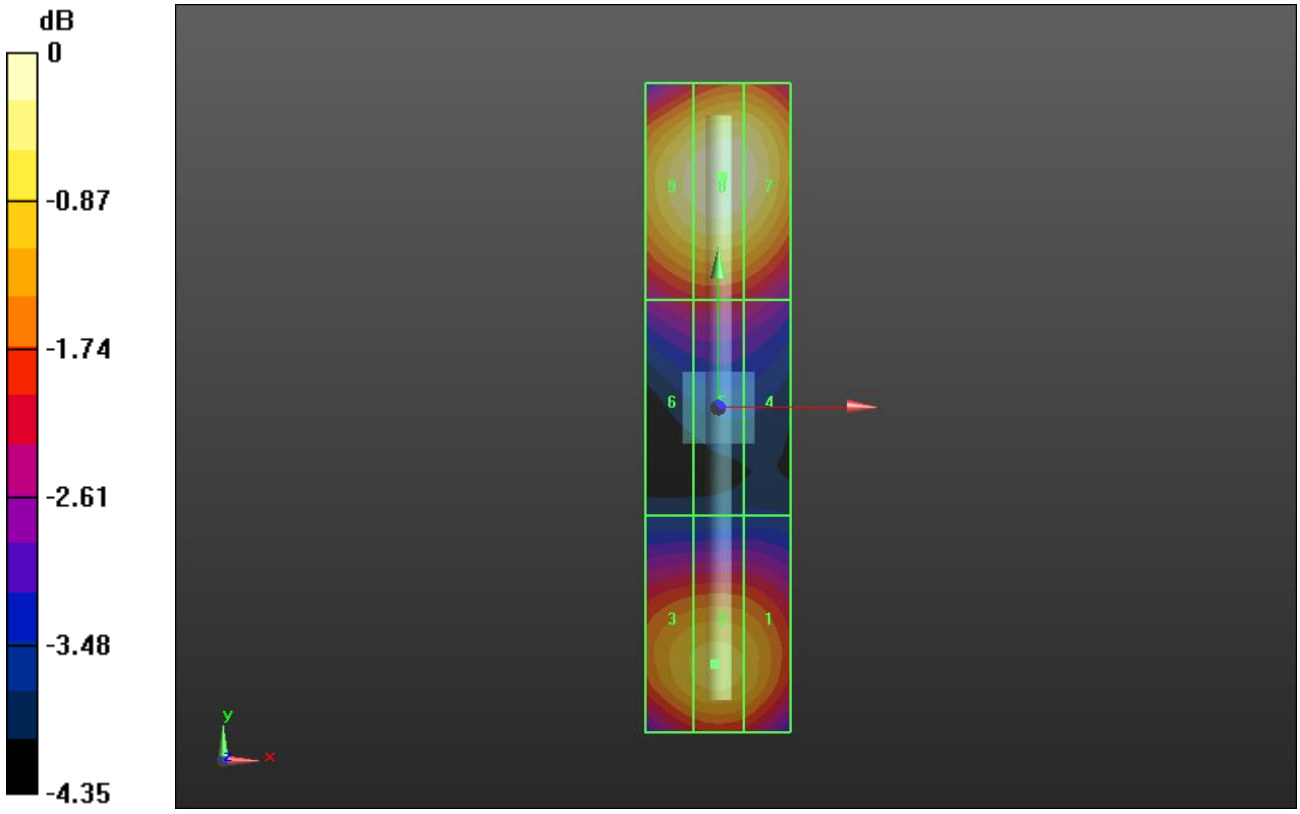
Communication System: UID 0, CW; Frequency: 1880 MHz; Duty Cycle: 1:1
Phantom section: RF Section
DASY5 Configuration:
- Probe: ER3DV6 - SN2509; ConvF(1, 1, 1); Calibrated: 5/12/2017;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1377; Calibrated: 9/14/2016
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.8 (7);SEMCAD X Version 14.6.10 (7164)

Dipole E-Field Measurement 1880MHz/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 = 141.3 V/m; Power Drift = -0.03 dB
PMR not calibrated. PMF = 1.000 is applied.
E-field emissions = 91.70 V/m
Near-field category: M3 (AWF 0 dB)

PMF scaled E-field

Grid 1 **M3** **82.96 V/m**	Grid 2 **M3** **84.37 V/m**	Grid 3 **M3** **83.37 V/m**
Grid 4 **M3** **71.26 V/m**	Grid 5 **M3** **72.42 V/m**	Grid 6 **M3** **71.89 V/m**
Grid 7 **M3** **90.83 V/m**	Grid 8 **M3** **91.70 V/m**	Grid 9 **M3** **90.02 V/m**



0 dB = 91.70 V/m = 39.25 dBV/m

HAC-RF Emission

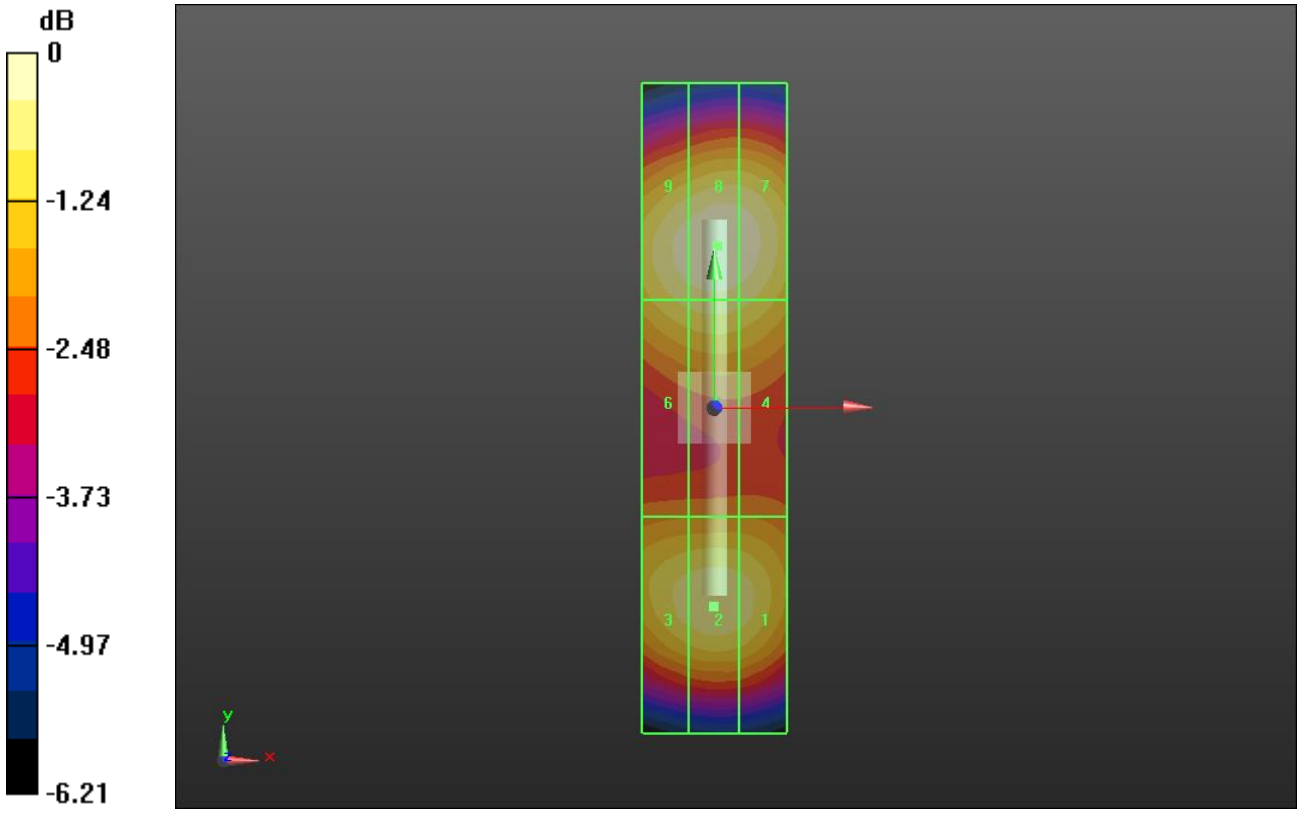
Communication System: UID 0, CW (0); Frequency: 2450 MHz; Duty Cycle: 1:1
Phantom section: RF Section
DASY5 Configuration:
- Probe: ER3DV6 - SN2509; ConvF(1, 1, 1); Calibrated: 5/12/2017;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1377; Calibrated: 9/14/2016
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.8 (7);SEMCAD X Version 14.6.10 (7164)

Dipole E-Field Measurement 2450MHz/2450 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 = 82.07 V/m; Power Drift = 0.00 dB
PMR not calibrated. PMF = 1.000 is applied.
E-field emissions = 89.12 V/m
Near-field category: M3 (AWF 0 dB)

PMF scaled E-field

Grid 1 **M3** **83.28 V/m**	Grid 2 **M3** **84.64 V/m**	Grid 3 **M3** **83.03 V/m**
Grid 4 **M3** **82.67 V/m**	Grid 5 **M3** **83.76 V/m**	Grid 6 **M3** **82.60 V/m**
Grid 7 **M3** **88.17 V/m**	Grid 8 **M3** **89.12 V/m**	Grid 9 **M3** **87.29 V/m**



0 dB = 89.12 V/m = 39.00 dBV/m

HAC-RF Emission

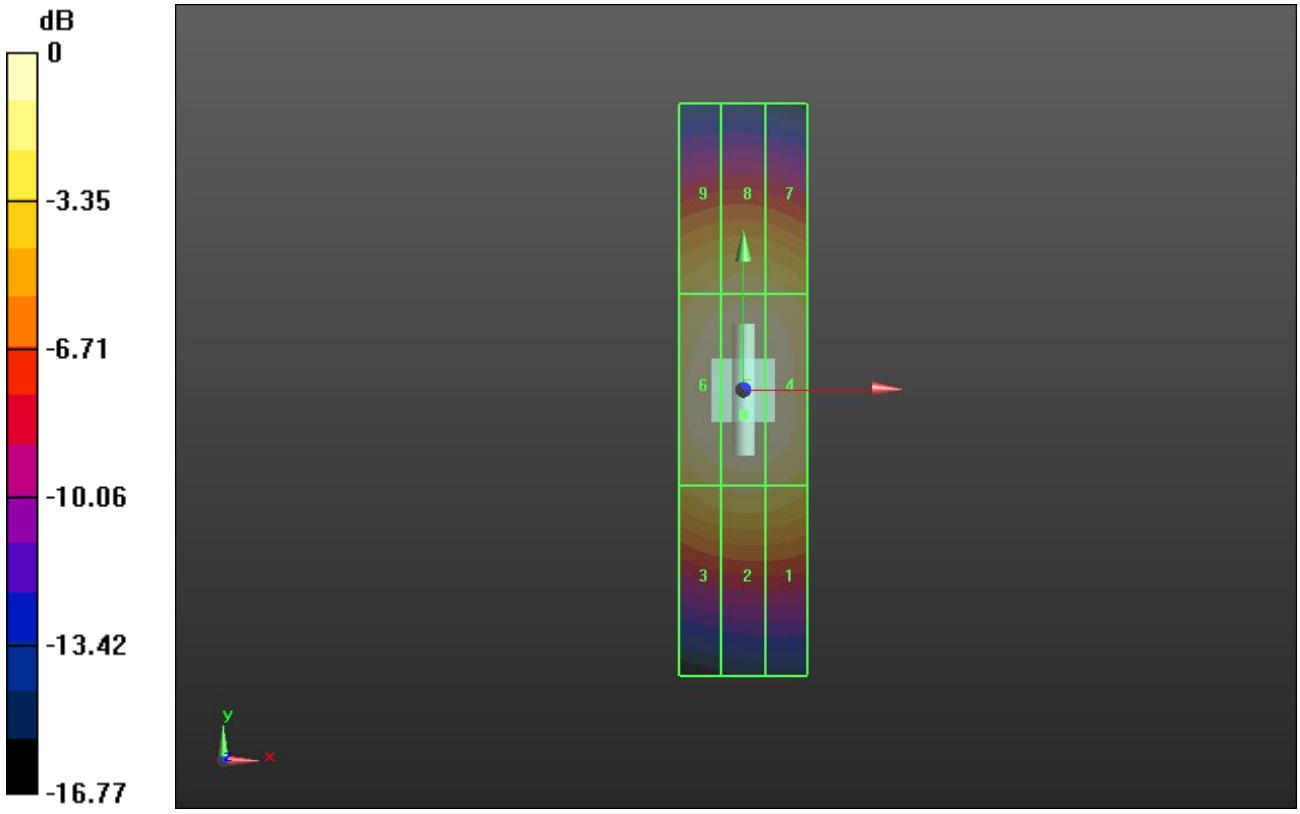
Communication System: UID 0, CW (0); Frequency: 5200 MHz; Duty Cycle: 1:1
Phantom section: RF Section
DASY5 Configuration:
- Probe: EF3DV3 - SN4041 (5-6 GHz); ConvF(1, 1, 1); Calibrated: 3/14/2017;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1377; Calibrated: 9/14/2016
- Phantom: HAC Test Arch 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 5.2GHz/5.2GHz/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 = 26.06 V/m; Power Drift = 0.09 dB
PMR not calibrated. PMF = 1.000 is applied.
E-field emissions = 95.31 V/m
Near-field category: M3 (AWF 0 dB)

PMF scaled E-field

Grid 1 **M3** **76.84 V/m**	Grid 2 **M3** **77.94 V/m**	Grid 3 **M3** **75.98 V/m**
Grid 4 **M3** **92.73 V/m**	Grid 5 **M3** **95.31 V/m**	Grid 6 **M3** **93.41 V/m**
Grid 7 **M3** **79.92 V/m**	Grid 8 **M3** **81.55 V/m**	Grid 9 **M3** **79.38 V/m**



0 dB = 95.31 V/m = 39.58 dBV/m

HAC-RF Emission

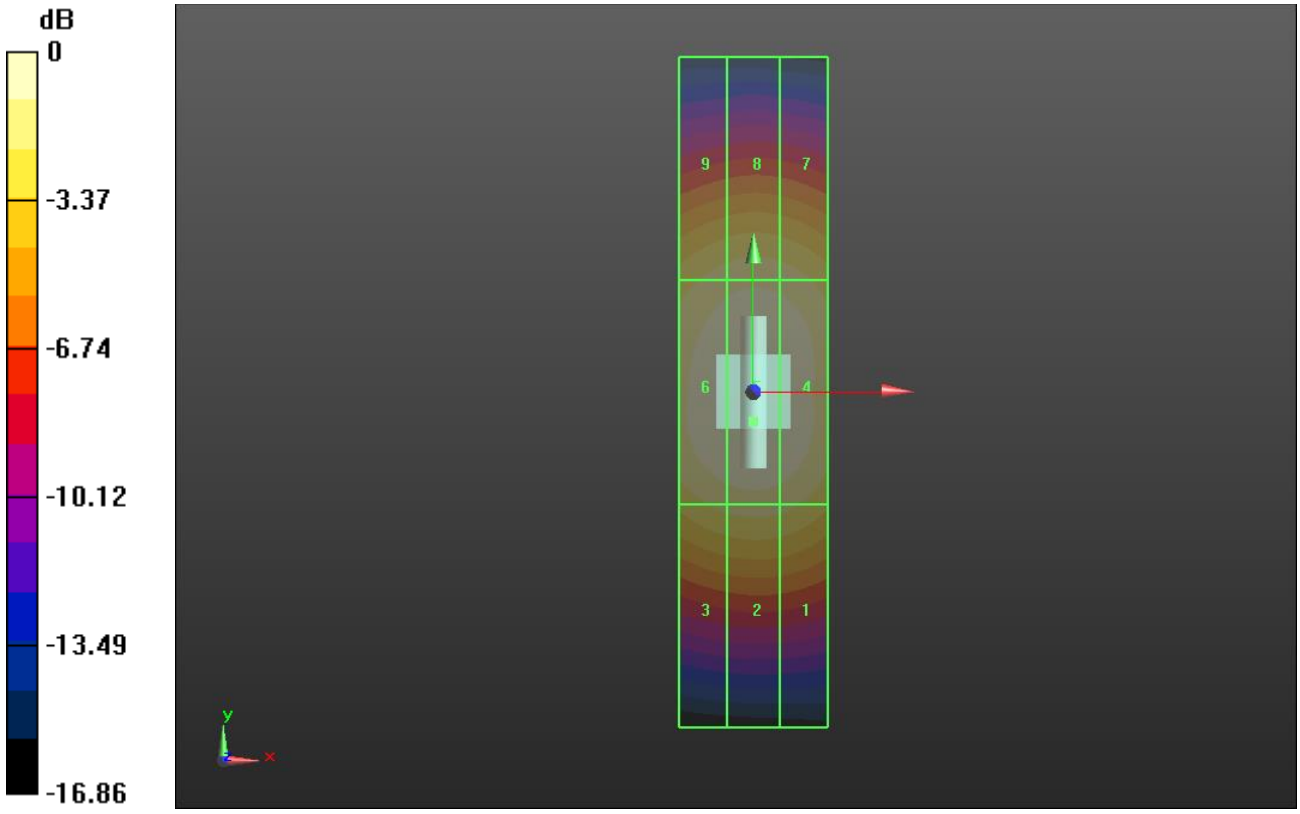
Communication System: UID 0, CW (0); Frequency: 5500 MHz; Duty Cycle: 1:1
Phantom section: RF Section
DASY5 Configuration:
- Probe: EF3DV3 - SN4041 (5-6 GHz); ConvF(1, 1, 1); Calibrated: 3/14/2017;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1377; Calibrated: 9/14/2016
- Phantom: HAC Test Arch 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 5.5GHz/5.5GHz/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 = 25.21 V/m; Power Drift = 0.05 dB
PMR not calibrated. PMF = 1.000 is applied.
E-field emissions = 96.65 V/m
Near-field category: M3 (AWF 0 dB)

PMF scaled E-field

Grid 1 **M3** **78.62 V/m**	Grid 2 **M3** **80.14 V/m**	Grid 3 **M3** **78.16 V/m**
Grid 4 **M3** **94.24 V/m**	Grid 5 **M3** **96.65 V/m**	Grid 6 **M3** **94.41 V/m**
Grid 7 **M3** **81.36 V/m**	Grid 8 **M3** **82.91 V/m**	Grid 9 **M3** **80.47 V/m**



0 dB = 96.65 V/m = 39.70 dBV/m

HAC-RF Emission

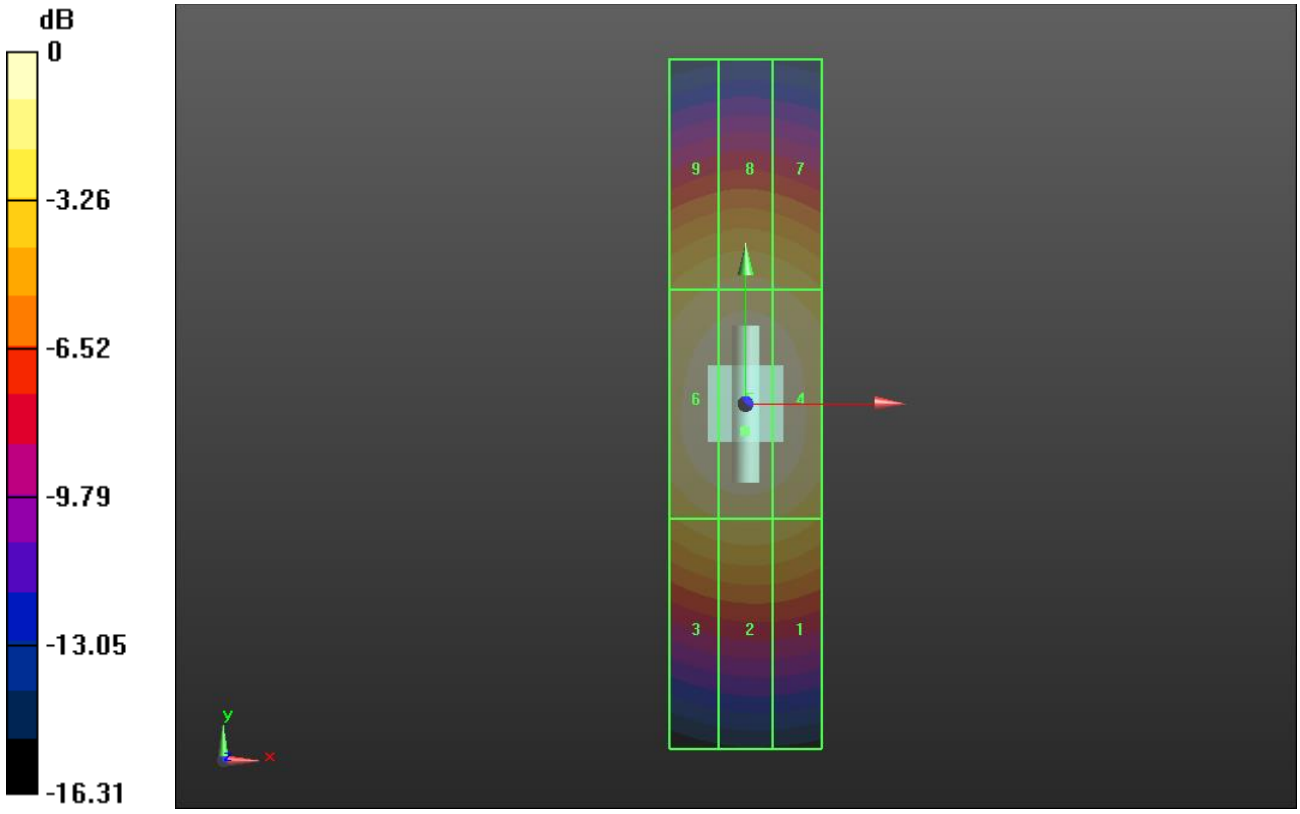
Communication System: UID 0, CW (0); Frequency: 5600 MHz; Duty Cycle: 1:1
Phantom section: RF Section
DASY5 Configuration:
- Probe: EF3DV3 - SN4041 (5-6 GHz); ConvF(1, 1, 1); Calibrated: 3/14/2017;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1377; Calibrated: 9/14/2016
- Phantom: HAC Test Arch 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 5.6GHz/5.6GHz/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 = 28.82 V/m; Power Drift = 0.14 dB
PMR not calibrated. PMF = 1.000 is applied.
E-field emissions = 101.8 V/m
Near-field category: M3 (AWF 0 dB)

PMF scaled E-field

Grid 1 **M3** **79.53 V/m**	Grid 2 **M3** **80.78 V/m**	Grid 3 **M3** **78.74 V/m**
Grid 4 **M3** **99.23 V/m**	Grid 5 **M3** **101.8 V/m**	Grid 6 **M3** **99.57 V/m**
Grid 7 **M3** **81.52 V/m**	Grid 8 **M3** **83.64 V/m**	Grid 9 **M3** **81.53 V/m**



0 dB = 101.8 V/m = 40.15 dBV/m

HAC-RF Emission

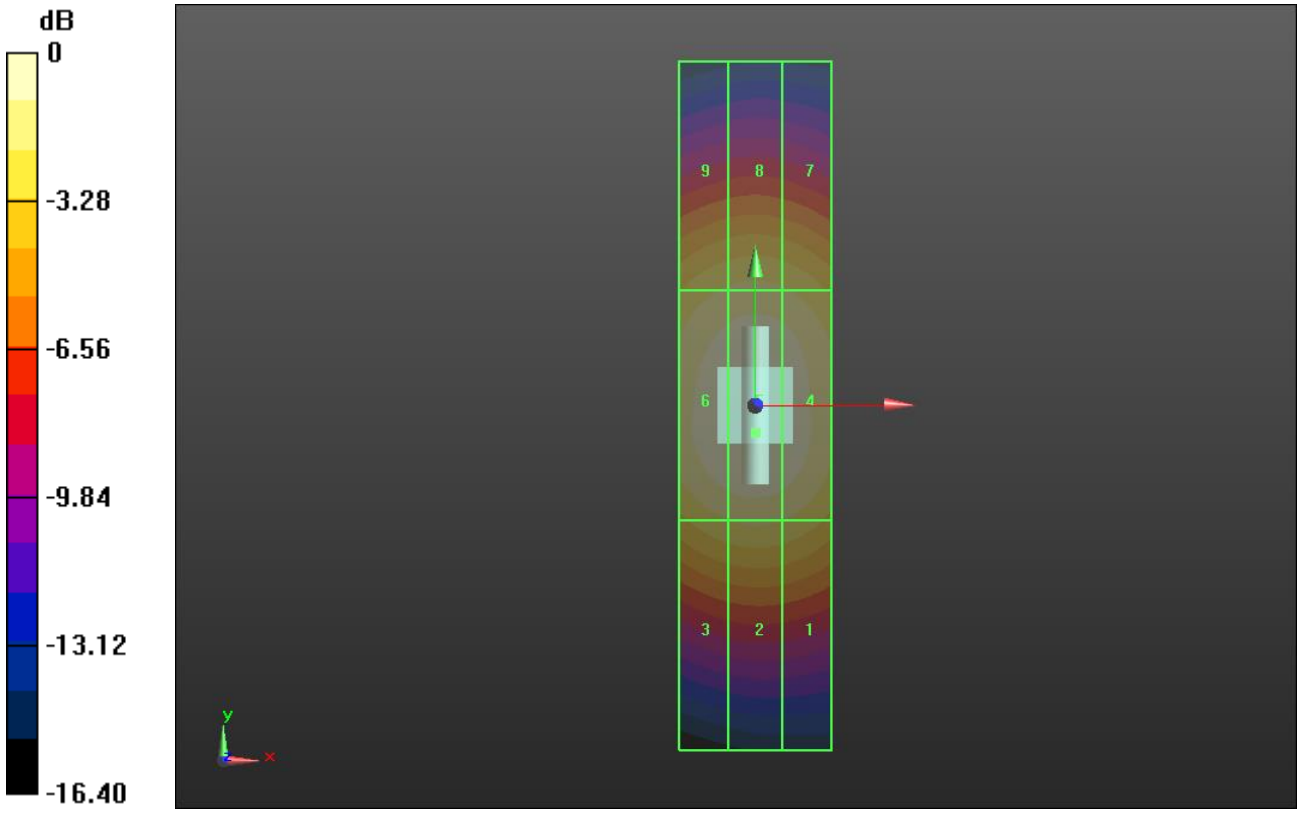
Communication System: UID 0, CW (0); Frequency: 5800 MHz; Duty Cycle: 1:1
Phantom section: RF Section
DASY5 Configuration:
- Probe: EF3DV3 - SN4041 (5-6 GHz); ConvF(1, 1, 1); Calibrated: 3/14/2017;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1377; Calibrated: 9/14/2016
- Phantom: HAC Test Arch 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 5.8GHz/5.8 GHz/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 = 28.67 V/m; Power Drift = 0.02 dB
PMR not calibrated. PMF = 1.000 is applied.
E-field emissions = 102.2 V/m
Near-field category: M3 (AWF 0 dB)

PMF scaled E-field

Grid 1 **M3** **79.74 V/m**	Grid 2 **M3** **81.54 V/m**	Grid 3 **M3** **79.37 V/m**
Grid 4 **M3** **99.06 V/m**	Grid 5 **M3** **102.2 V/m**	Grid 6 **M3** **99.88 V/m**
Grid 7 **M3** **81.12 V/m**	Grid 8 **M3** **83.26 V/m**	Grid 9 **M3** **81.11 V/m**



0 dB = 102.2 V/m = 40.19 dBV/m

HAC-RF Emission

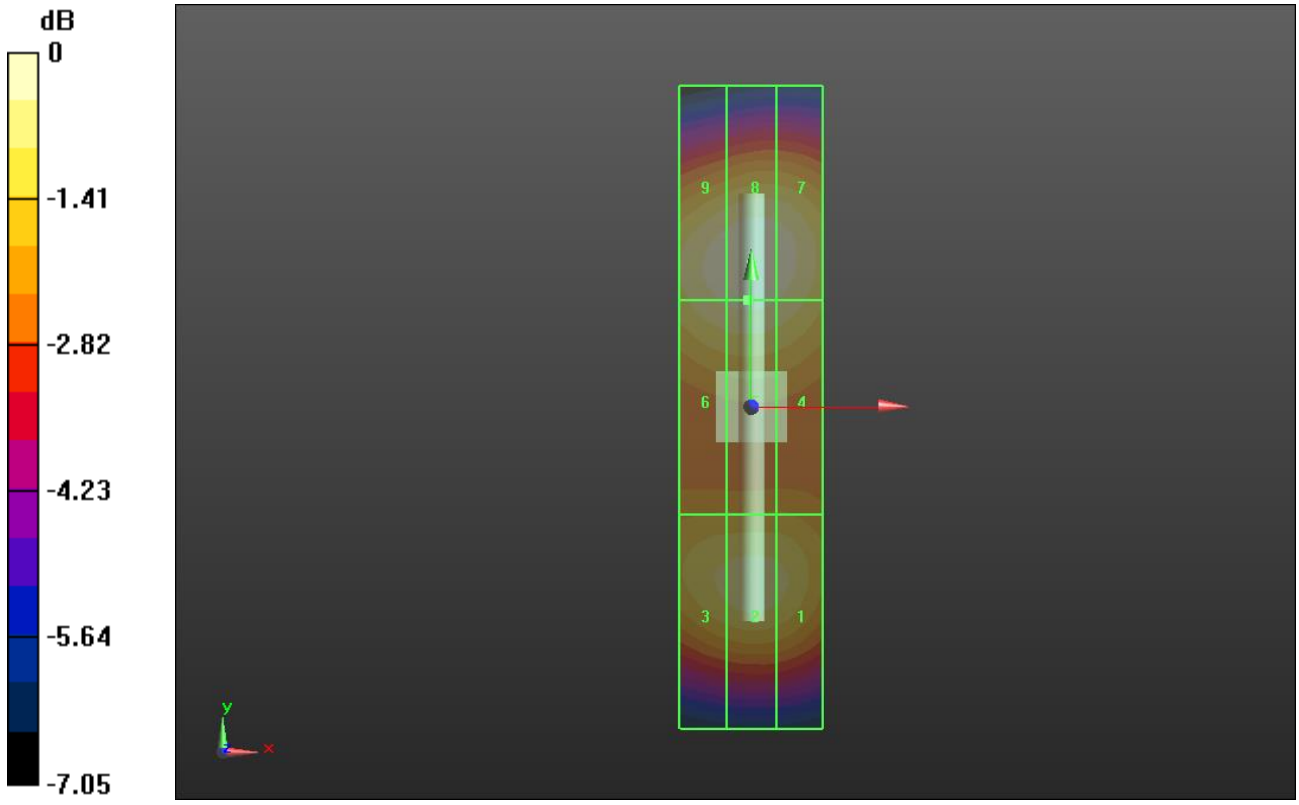
Communication System: UID 0, CW (0); Frequency: 2600 MHz; Duty Cycle: 1:1
Phantom section: RF Section
DASY5 Configuration:
- Probe: ER3DV6 - SN2509; ConvF(1, 1, 1); Calibrated: 5/12/2017;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1377; Calibrated: 9/14/2016
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.8 (7);SEMCAD X Version 14.6.10 (7164)

Dipole E-Field Measurement 2600MHz/2600 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 = 72.88 V/m; Power Drift = 0.03 dB
PMR not calibrated. PMF = 1.000 is applied.
E-field emissions = 91.56 V/m
Near-field category: M3 (AWF 0 dB)

PMF scaled E-field

Grid 1 **M3** **83.78 V/m**	Grid 2 **M3** **84.83 V/m**	Grid 3 **M3** **83.41 V/m**
Grid 4 **M3** **86.86 V/m**	Grid 5 **M3** **88.30 V/m**	Grid 6 **M3** **87.43 V/m**
Grid 7 **M3** **90.14 V/m**	Grid 8 **M3** **91.56 V/m**	Grid 9 **M3** **90.09 V/m**



0 dB = 91.56 V/m = 39.23 dBV/m