HAC-RF Emission

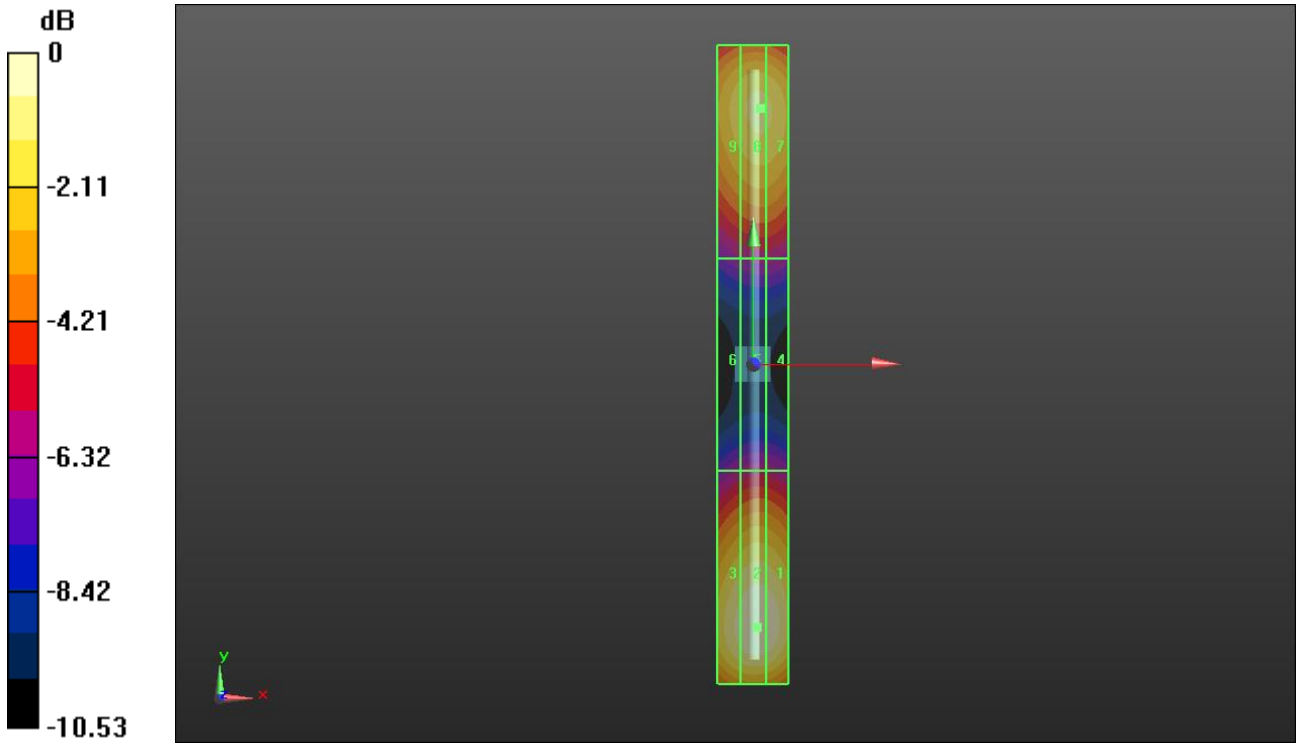
Communication System: UID 0, CW; Frequency: 835 MHz; Duty Cycle: 1:1
Phantom section: RF Section
DASY5 Configuration:
- Probe: EF3DV3 - SN4028; ConvF(1, 1, 1); Calibrated: 7/24/2017;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1472; Calibrated: 3/8/2018
- Phantom: HAC Test Arch with AMCC; Type: 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 = 100.5 V/m; Power Drift = -0.06 dB
PMR not calibrated. PMF = 1.000 is applied.
E-field emissions = 105.7 V/m
Near-field category: M4 (AWF 0 dB)

PMF scaled E-field

Grid 1 **M4** **104.7 V/m**	Grid 2 **M4** **105.7 V/m**	Grid 3 **M4** **101.2 V/m**
Grid 4 **M4** **54.02 V/m**	Grid 5 **M4** **54.25 V/m**	Grid 6 **M4** **52.18 V/m**
Grid 7 **M4** **91.63 V/m**	Grid 8 **M4** **91.97 V/m**	Grid 9 **M4** **88.15 V/m**



0 dB = 105.7 V/m = 40.48 dBV/m

HAC-RF Emission

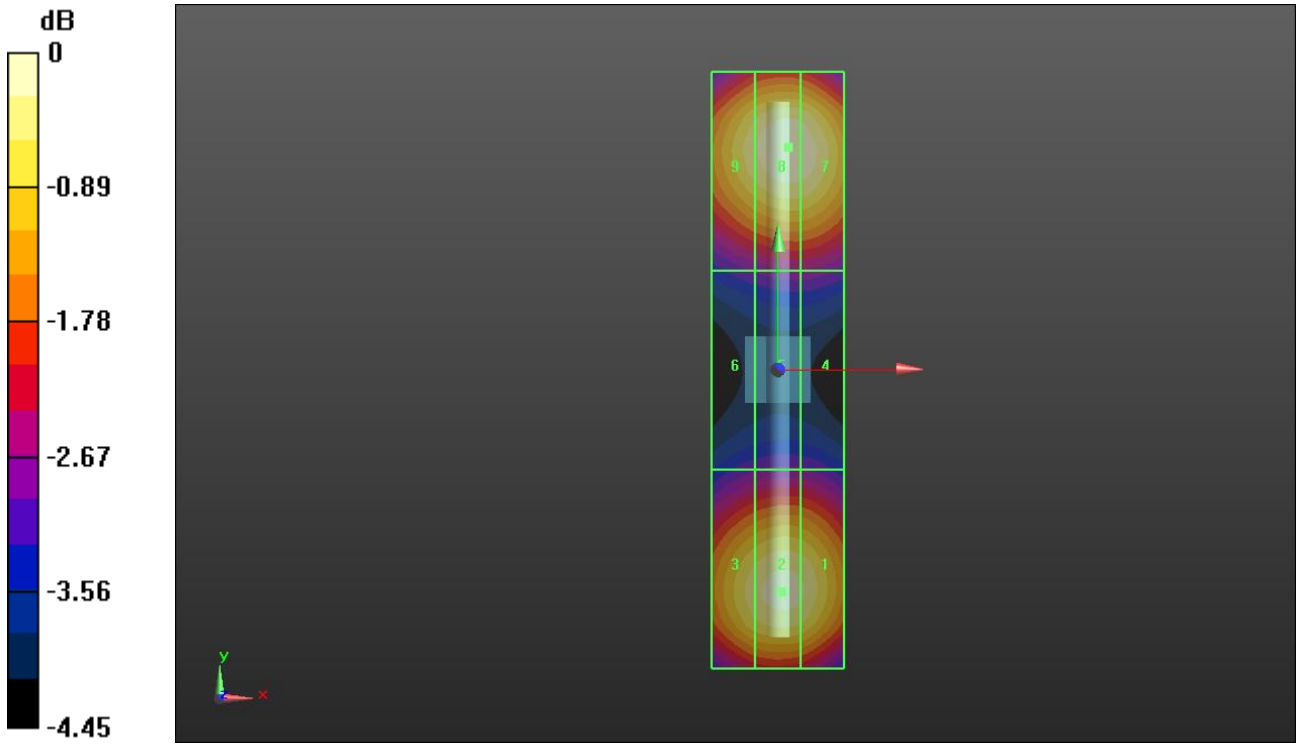
Communication System: UID 0, CW; Frequency: 1880 MHz; Duty Cycle: 1:1
Phantom section: RF Section
DASY5 Configuration:
- Probe: EF3DV3 - SN4028; ConvF(1, 1, 1); Calibrated: 7/24/2017;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1472; Calibrated: 3/8/2018
- Phantom: HAC Test Arch with AMCC; 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 = 148.3 V/m; Power Drift = -0.05 dB
PMR not calibrated. PMF = 1.000 is applied.
E-field emissions = 92.59 V/m
Near-field category: M3 (AWF 0 dB)

PMF scaled E-field

Grid 1 **M3** **89.98 V/m**	Grid 2 **M3** **90.90 V/m**	Grid 3 **M3** **88.57 V/m**
Grid 4 **M3** **67.95 V/m**	Grid 5 **M3** **67.97 V/m**	Grid 6 **M3** **66.26 V/m**
Grid 7 **M3** **92.17 V/m**	Grid 8 **M3** **92.59 V/m**	Grid 9 **M3** **89.10 V/m**



0 dB = 92.59 V/m = 39.33 dBV/m

HAC-RF Emission

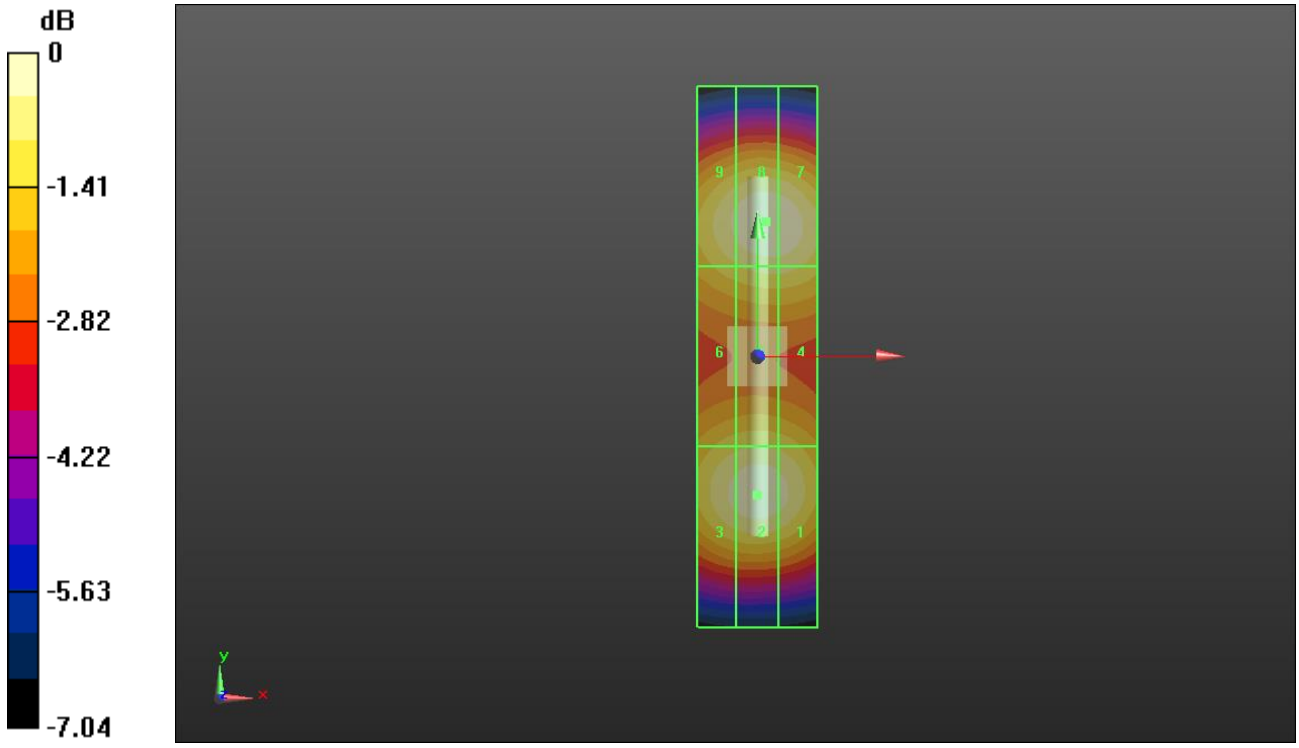
Communication System: UID 0, CW (0); Frequency: 2600 MHz; Duty Cycle: 1:1
Phantom section: RF Section
DASY5 Configuration:
- Probe: EF3DV3 - SN4028; ConvF(1, 1, 1); Calibrated: 7/24/2017;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1472; Calibrated: 3/8/2018
- Phantom: HAC Test Arch with AMCC; 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 = 69.38 V/m; Power Drift = -0.03 dB
PMR not calibrated. PMF = 1.000 is applied.
E-field emissions = 90.73 V/m
Near-field category: M3 (AWF 0 dB)

PMF scaled E-field

Grid 1 **M3** **87.91 V/m**	Grid 2 **M3** **89.53 V/m**	Grid 3 **M3** **87.57 V/m**
Grid 4 **M3** **83.49 V/m**	Grid 5 **M3** **83.55 V/m**	Grid 6 **M3** **80.83 V/m**
Grid 7 **M3** **90.24 V/m**	Grid 8 **M3** **90.73 V/m**	Grid 9 **M3** **87.16 V/m**



0 dB = 90.73 V/m = 39.16 dBV/m

HAC-RF Emission

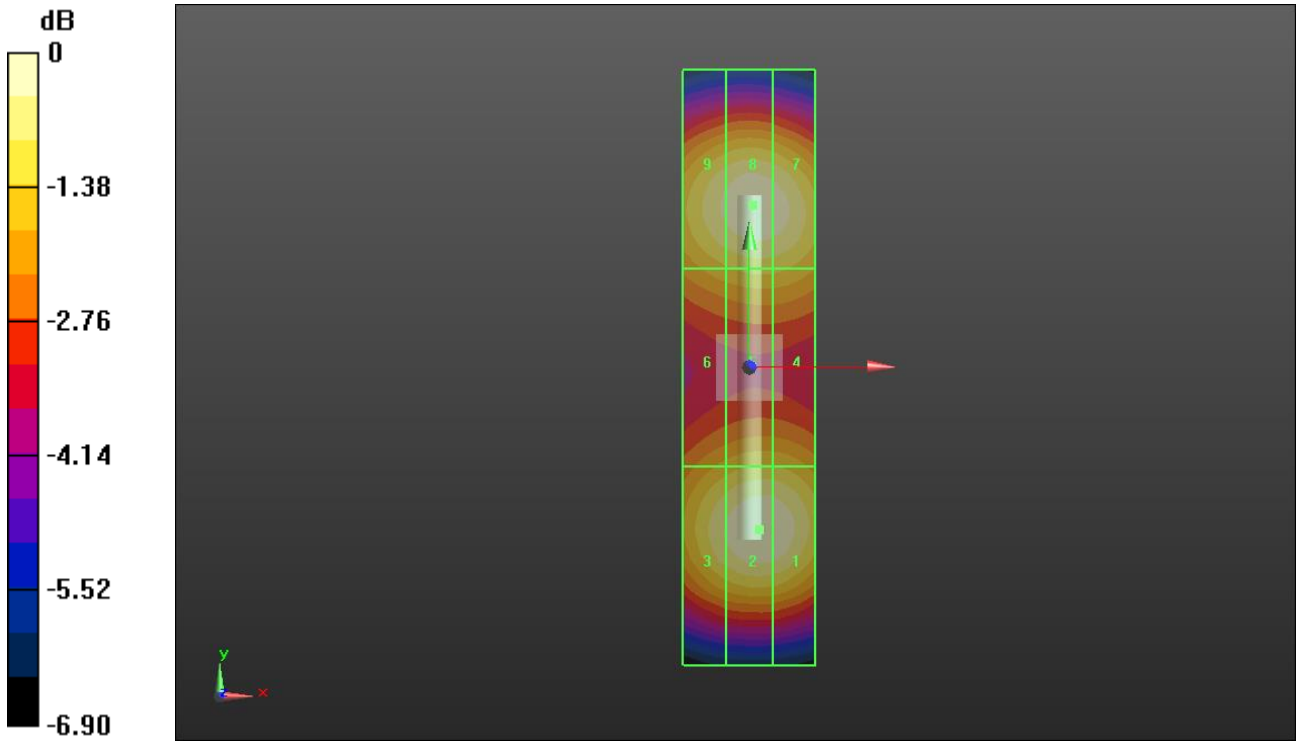
Communication System: UID 0, CW (0); Frequency: 2450 MHz; Duty Cycle: 1:1
Phantom section: RF Section
DASY5 Configuration:
- Probe: EF3DV3 - SN4028; ConvF(1, 1, 1); Calibrated: 7/24/2017;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1472; Calibrated: 3/8/2018
- Phantom: HAC Test Arch with AMCC; 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 = 84.97 V/m; Power Drift = 0.08 dB
PMR not calibrated. PMF = 1.000 is applied.
E-field emissions = 97.24 V/m
Near-field category: M3 (AWF 0 dB)

PMF scaled E-field

Grid 1 **M3** **96.84 V/m**	Grid 2 **M3** **97.24 V/m**	Grid 3 **M3** **92.73 V/m**
Grid 4 **M3** **84.42 V/m**	Grid 5 **M3** **84.66 V/m**	Grid 6 **M3** **82.32 V/m**
Grid 7 **M3** **95.62 V/m**	Grid 8 **M3** **96.82 V/m**	Grid 9 **M3** **93.46 V/m**



0 dB = 97.24 V/m = 39.76 dBV/m

HAC-RF Emission

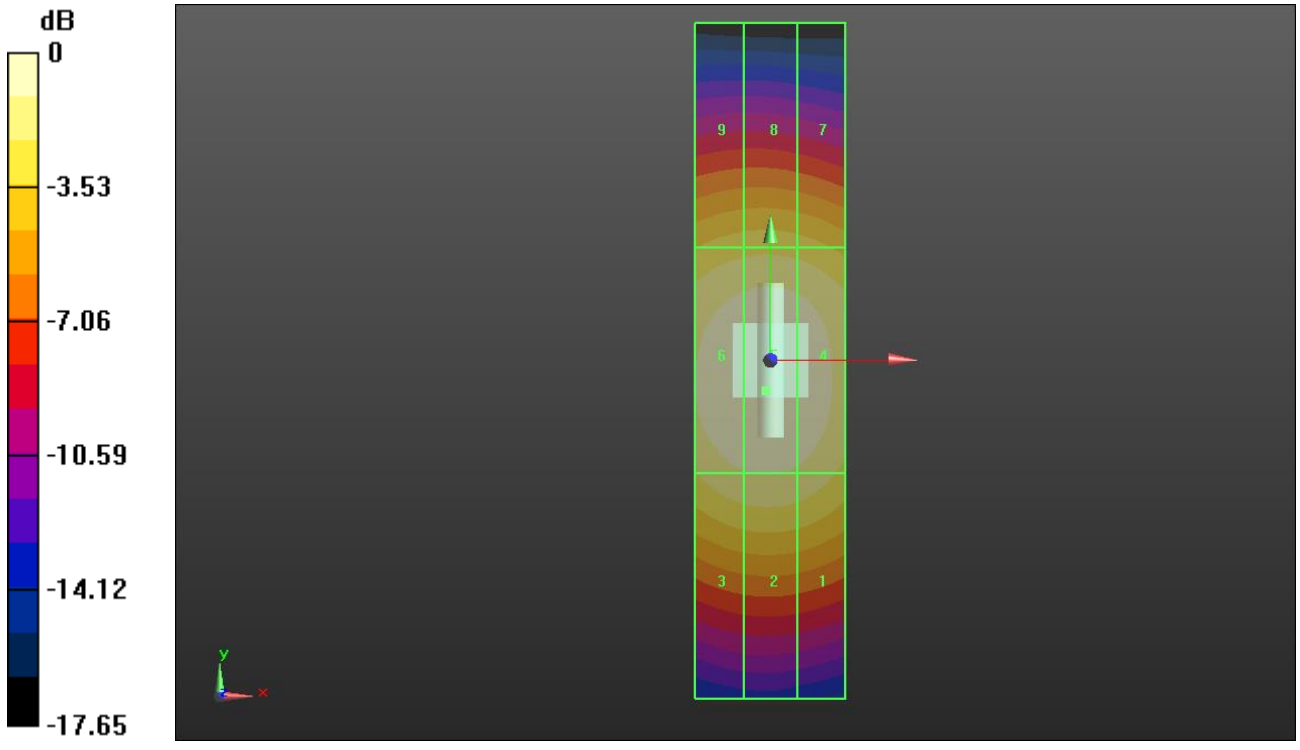
Communication System: UID 0, CW (0); Frequency: 5500 MHz; Duty Cycle: 1:1
Phantom section: RF Section
DASY5 Configuration:
- Probe: EF3DV3 - SN4028; ConvF(1, 1, 1); Calibrated: 7/24/2017;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1472; Calibrated: 3/8/2018
- Phantom: HAC Test Arch with AMCC; 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 = 19.48 V/m; Power Drift = -0.01 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** **87.18 V/m**	Grid 2 **M3** **89.53 V/m**	Grid 3 **M3** **88.19 V/m**
Grid 4 **M3** **98.56 V/m**	Grid 5 **M3** **101.8 V/m**	Grid 6 **M3** **100.5 V/m**
Grid 7 **M3** **73.38 V/m**	Grid 8 **M3** **75.05 V/m**	Grid 9 **M3** **74.16 V/m**



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

HAC-RF Emission

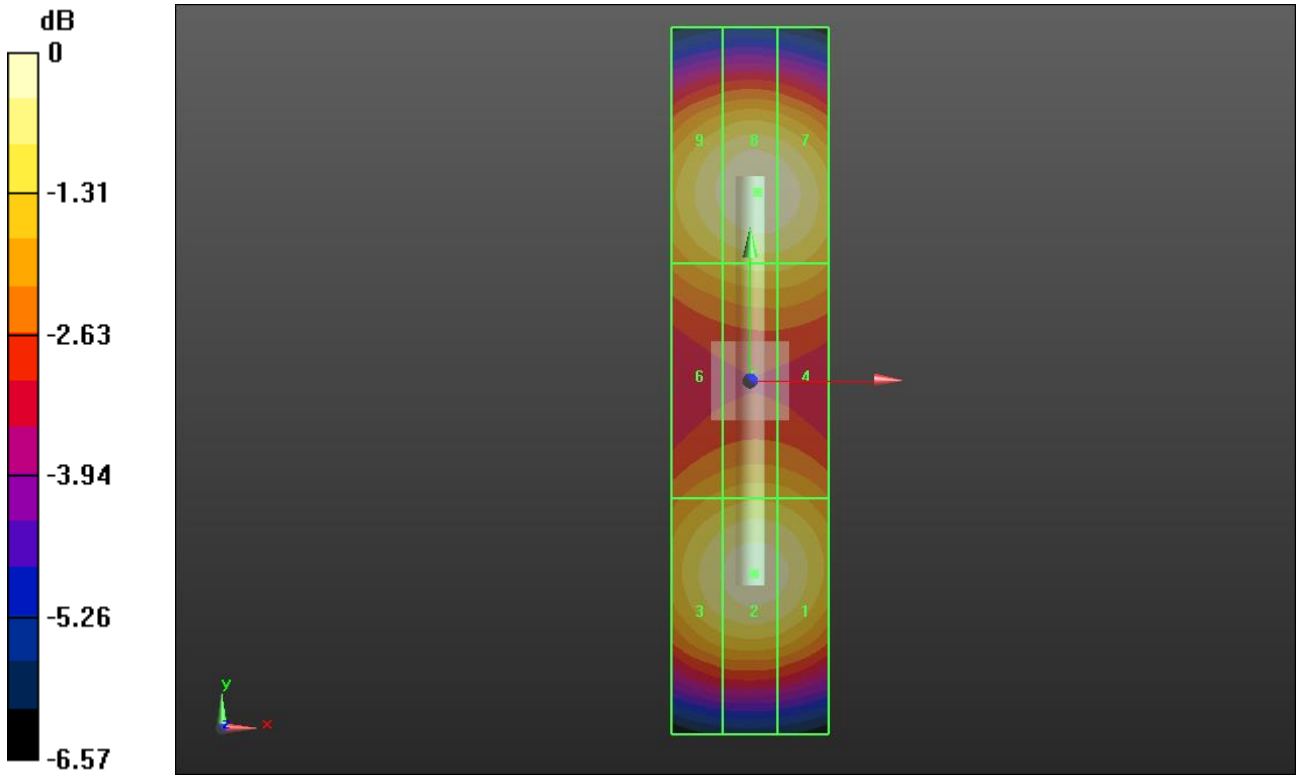
Communication System: UID 0, CW (0); Frequency: 2450 MHz; Duty Cycle: 1:1
Phantom section: RF Section
DASY5 Configuration:
- Probe: EF3DV3 - SN4028; ConvF(1, 1, 1); Calibrated: 7/24/2017;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1472; Calibrated: 3/8/2018
- Phantom: HAC Test Arch with AMCC; 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 = 83.58 V/m; Power Drift = -0.03 dB
PMR not calibrated. PMF = 1.000 is applied.
E-field emissions = 94.88 V/m
Near-field category: M3 (AWF 0 dB)

PMF scaled E-field

Grid 1 **M3** **91.87 V/m**	Grid 2 **M3** **93.25 V/m**	Grid 3 **M3** **90.58 V/m**
Grid 4 **M3** **83.46 V/m**	Grid 5 **M3** **83.61 V/m**	Grid 6 **M3** **81.30 V/m**
Grid 7 **M3** **93.95 V/m**	Grid 8 **M3** **94.88 V/m**	Grid 9 **M3** **91.52 V/m**



0 dB = 94.88 V/m = 39.54 dBV/m

HAC-RF Emission

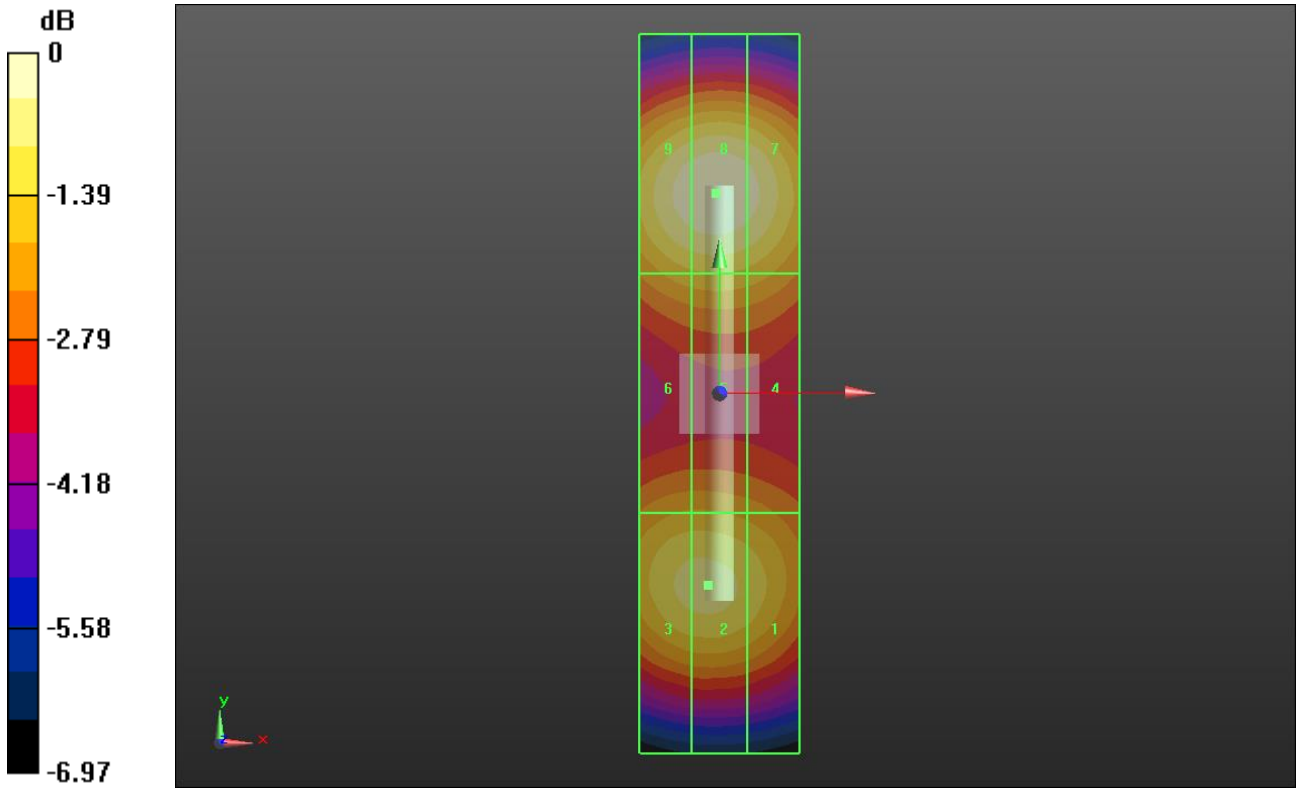
Frequency: 2450 MHz; Duty Cycle: 1:1; Room Ambient Temperature: 24.0°C; Liquid Temperature: 23.0°C
Medium parameters used: $\sigma = 0$ S/m, $\varepsilon_r = 1$; $\rho = 0$ kg/m^3
DASY5 Configuration:
- Area Scan Setting: Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.0012W/kg
- Electronics: DAE4 Sn1472; Calibrated: 3/8/2018
- Probe: EF3DV3 - SN4041; ConvF(1, 1, 1); Calibrated: 3/16/2018;
- Sensor-Surface: (Fix Surface)
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB; Serial: 1155

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 = 87.44 V/m; Power Drift = 0.00 dB
PMR not calibrated. PMF = 1.000 is applied.
E-field emissions = 97.27 V/m
Near-field category: M3 (AWF 0 dB)

PMF scaled E-field

Grid 1 **M3** **86.22 V/m**	Grid 2 **M3** **89.43 V/m**	Grid 3 **M3** **89.15 V/m**
Grid 4 **M3** **81.48 V/m**	Grid 5 **M3** **82.88 V/m**	Grid 6 **M3** **82.02 V/m**
Grid 7 **M3** **94.53 V/m**	Grid 8 **M3** **97.27 V/m**	Grid 9 **M3** **95.66 V/m**



0 dB = 97.27 V/m = 39.76 dBV/m