

HAC-RF Emission System Check

Frequency: 835 MHz; Duty Cycle: 1:1; Room Ambient Temperature: 24.0°C; Liquid Temperature: 23.0°C

Medium parameters used: $\sigma = 0$ S/m, $\epsilon_r = 1$; $\rho = 0$ kg/m³

Dasy Configuration:

- Area Scan Setting: Find Secondary Maximum within 2.0 dB and with a peak SAR value greater than 0.0012 W/kg
- Electronics: DAE4 Sn1434; Calibrated: 11/11/2021
- Probe: EF3DV3 - SN4028; ConvF(1, 1, 1) @ 835 MHz; Calibrated: 8/13/2021
- Sensor-Surface: (Fix Surface)
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB; Serial: 1155

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 = 134.8 V/m; Power Drift = -0.04 dB

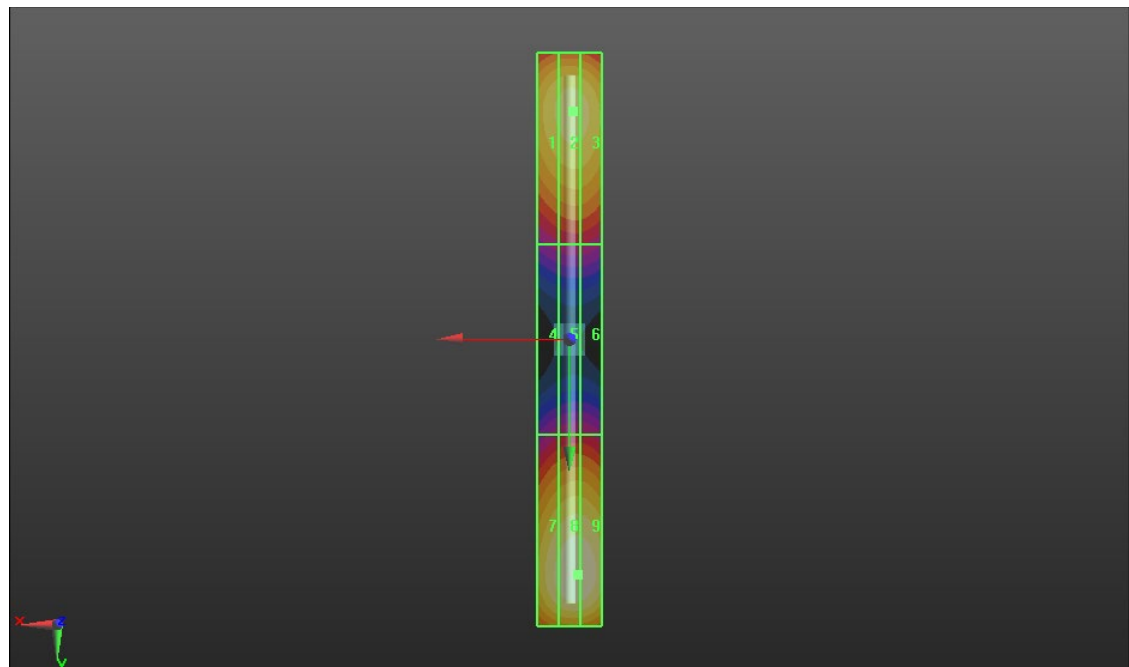
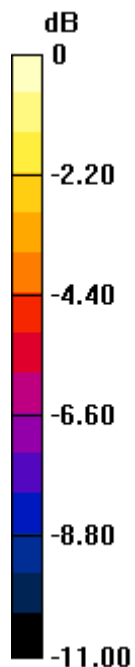
Applied MIF = 0.00 dB

RF audio interference level = 41.95 dBV/m

Emission category: **M3**

MIF scaled E-field

Grid 1 M3 40.62 dBV/m	Grid 2 M3 40.9 dBV/m	Grid 3 M3 40.81 dBV/m
Grid 4 M4 35.95 dBV/m	Grid 5 M4 36.32 dBV/m	Grid 6 M4 36.31 dBV/m
Grid 7 M3 41.46 dBV/m	Grid 8 M3 41.95 dBV/m	Grid 9 M3 41.93 dBV/m



0 dB = 125.1 V/m = 41.95 dBV/m

HAC-RF Emission System Check

Frequency: 1880 MHz; Duty Cycle: 1:1; Room Ambient Temperature: 24.0°C; Liquid Temperature: 23.0°C

Medium parameters used: $\sigma = 0$ S/m, $\epsilon_r = 1$; $\rho = 0$ kg/m³

Dasy Configuration:

- Area Scan Setting: Find Secondary Maximum within 2.0 dB and with a peak SAR value greater than 0.0012 W/kg
- Electronics: DAE4 Sn1434; Calibrated: 11/11/2021
- Probe: EF3DV3 - SN4028; ConvF(1, 1, 1) @ 1880 MHz; Calibrated: 8/13/2021
- Sensor-Surface: (Fix Surface)
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB; Serial: 1155

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 = 159.2 V/m; Power Drift = -0.01 dB

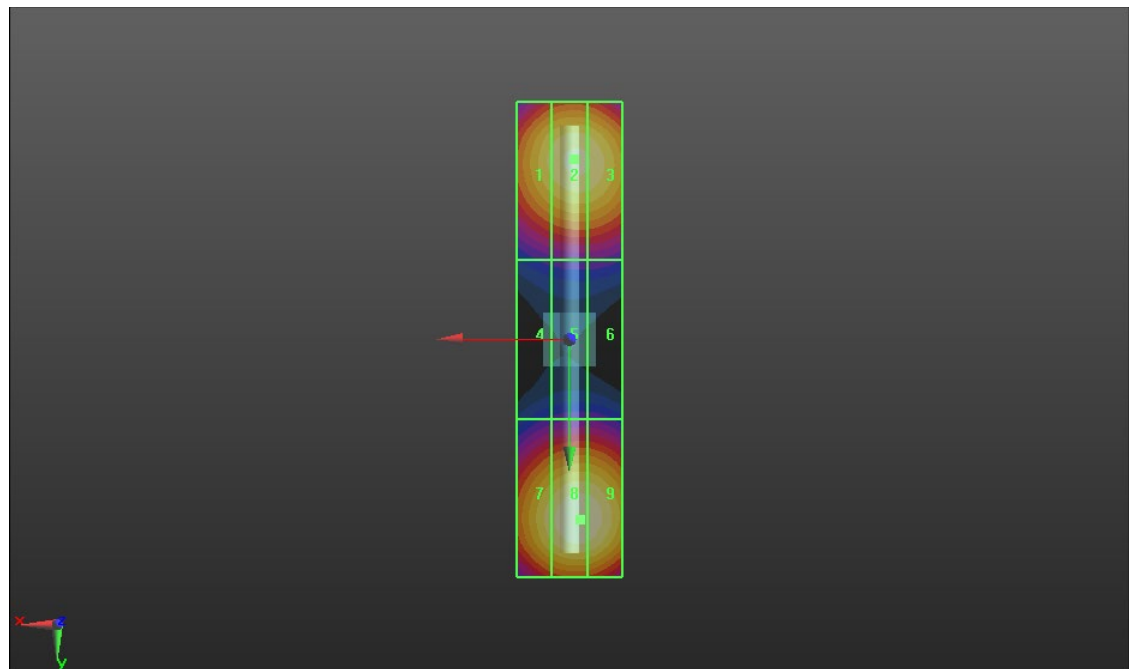
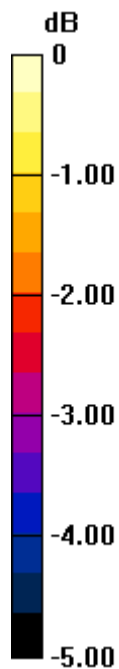
Applied MIF = 0.00 dB

RF audio interference level = 39.56 dBV/m

Emission category: **M2**

MIF scaled E-field

Grid 1 M2 39 dBV/m	Grid 2 M2 39.33 dBV/m	Grid 3 M2 39.26 dBV/m
Grid 4 M2 36.09 dBV/m	Grid 5 M2 36.27 dBV/m	Grid 6 M2 36.26 dBV/m
Grid 7 M2 39.13 dBV/m	Grid 8 M2 39.56 dBV/m	Grid 9 M2 39.53 dBV/m



0 dB = 95.07 V/m = 39.56 dBV/m

HAC-RF Emission System Check

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, $\epsilon_r = 1$; $\rho = 0$ kg/m³

Dasy Configuration:

- Area Scan Setting: Find Secondary Maximum within 2.0 dB and with a peak SAR value greater than 0.0012 W/kg
- Electronics: DAE4 Sn1434; Calibrated: 11/11/2021
- Probe: EF3DV3 - SN4028; ConvF(1, 1, 1) @ 2450 MHz; Calibrated: 8/13/2021
- 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 = 78.12 V/m; Power Drift = 0.05 dB

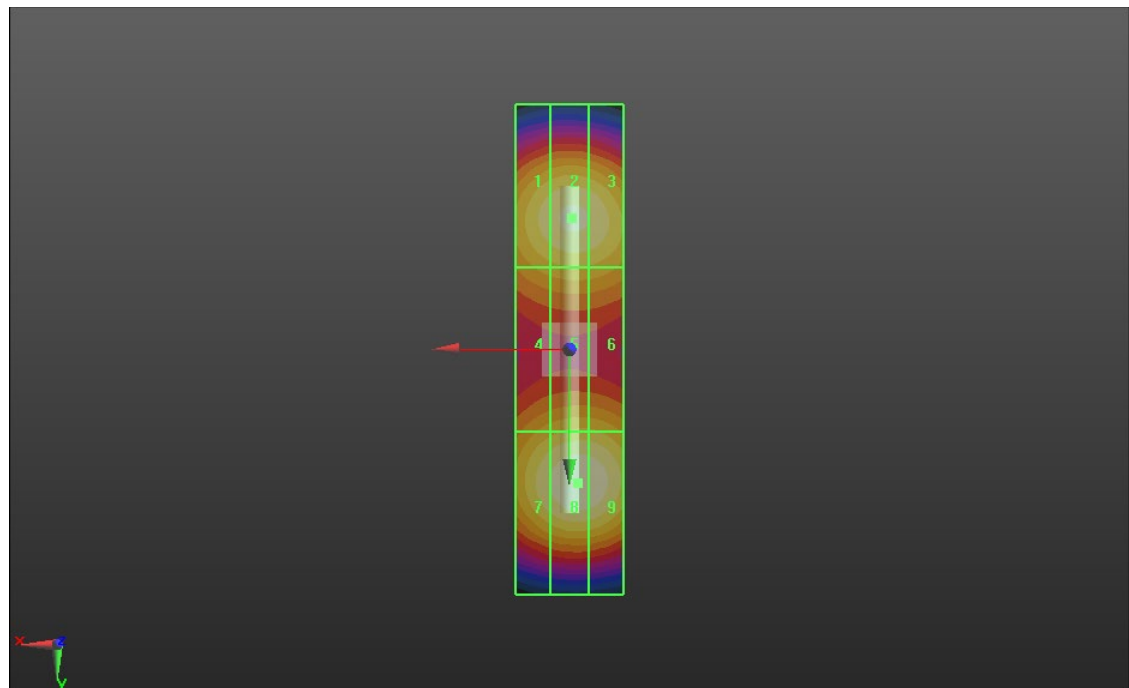
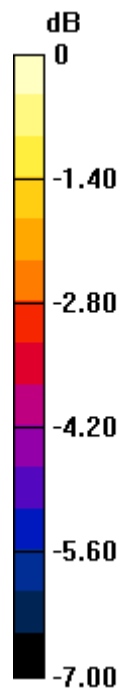
Applied MIF = 0.00 dB

RF audio interference level = 39.37 dBV/m

Emission category: **M2**

MIF scaled E-field

Grid 1 M2 38.77 dBV/m	Grid 2 M2 39.03 dBV/m	Grid 3 M2 38.92 dBV/m
Grid 4 M2 37.81 dBV/m	Grid 5 M2 38.09 dBV/m	Grid 6 M2 38.08 dBV/m
Grid 7 M2 38.96 dBV/m	Grid 8 M2 39.37 dBV/m	Grid 9 M2 39.33 dBV/m



0 dB = 93.04 V/m = 39.37 dBV/m

HAC-RF Emission System Check

Frequency: 2600 MHz; Duty Cycle: 1:1; Room Ambient Temperature: 24.0°C; Liquid Temperature: 23.0°C

Medium parameters used: $\sigma = 0$ S/m, $\epsilon_r = 1$; $\rho = 0$ kg/m³

Dasy Configuration:

- Area Scan Setting: Find Secondary Maximum within 2.0 dB and with a peak SAR value greater than 0.0012 W/kg
- Electronics: DAE4 Sn1434; Calibrated: 11/11/2021
- Probe: EF3DV3 - SN4028; ConvF(1, 1, 1) @ 2600 MHz; Calibrated: 8/13/2021
- Sensor-Surface: (Fix Surface)
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB; Serial: 1155

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 = 67.79 V/m; Power Drift = 0.02 dB

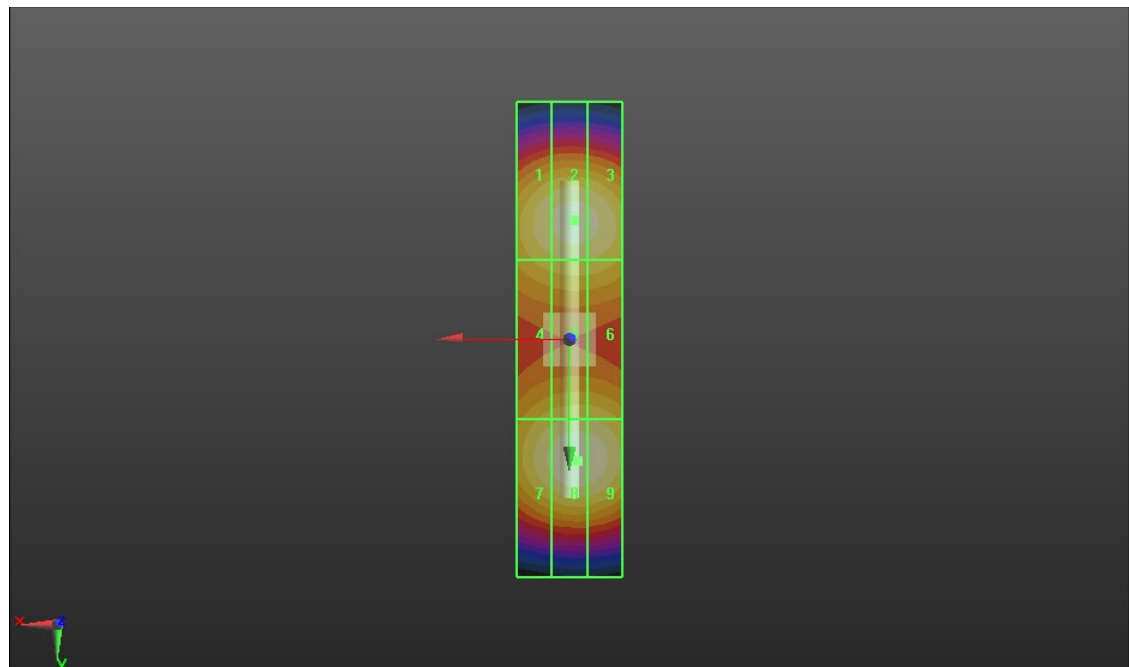
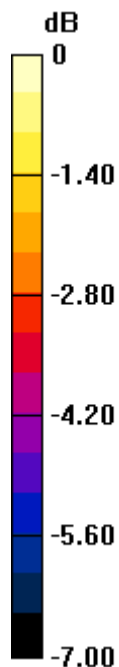
Applied MIF = 0.00 dB

RF audio interference level = 39.24 dBV/m

Emission category: **M2**

MIF scaled E-field

Grid 1 M2 38.78 dBV/m	Grid 2 M2 39.03 dBV/m	Grid 3 M2 38.95 dBV/m
Grid 4 M2 38.16 dBV/m	Grid 5 M2 38.38 dBV/m	Grid 6 M2 38.36 dBV/m
Grid 7 M2 38.87 dBV/m	Grid 8 M2 39.24 dBV/m	Grid 9 M2 39.19 dBV/m



0 dB = 91.60 V/m = 39.24 dBV/m

HAC-RF Emission System Check

Frequency: 3500 MHz; Duty Cycle: 1:1; Room Ambient Temperature: 24.0°C; Liquid Temperature: 23.0°C

Medium parameters used: $\sigma = 0$ S/m, $\epsilon_r = 1$; $\rho = 0$ kg/m³

Dasy Configuration:

- Area Scan Setting: Find Secondary Maximum within 2.0 dB and with a peak SAR value greater than 0.0012 W/kg
- Electronics: DAE4 Sn1434; Calibrated: 11/11/2021
- Probe: EF3DV3 - SN4028; ConvF(1, 1, 1) @ 3500 MHz; Calibrated: 8/13/2021
- Sensor-Surface: (Fix Surface)
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB; Serial: 1155

Dipole E-Field Measurement 3500MHz/3500 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 = 36.77 V/m; Power Drift = 0.02 dB

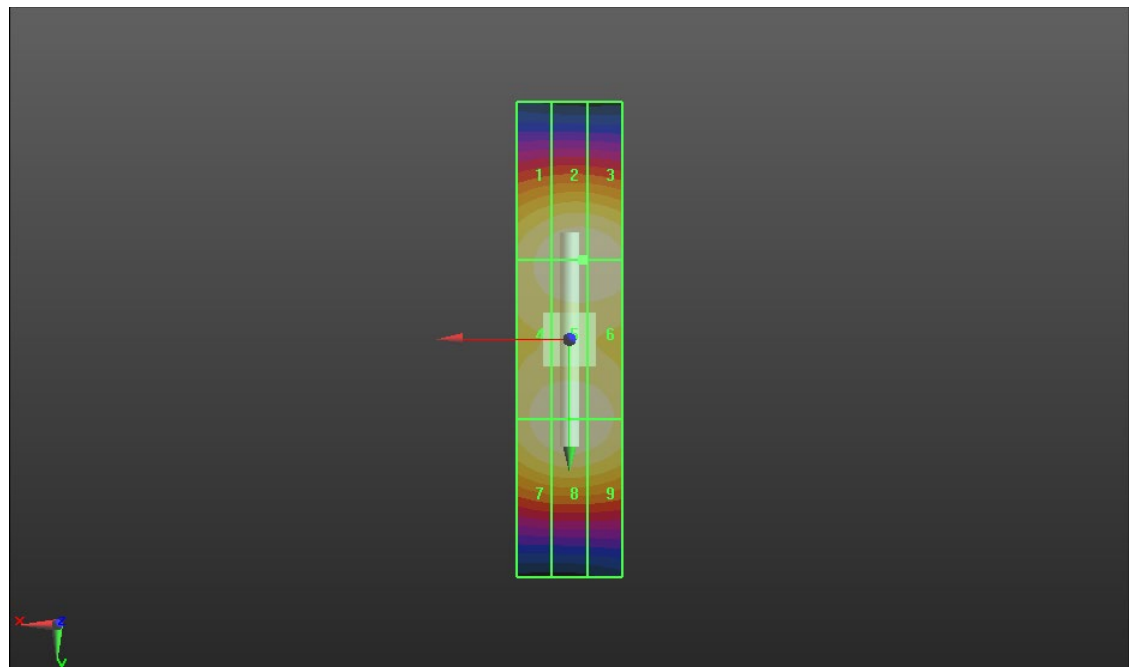
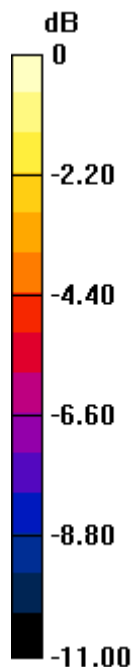
Applied MIF = 0.00 dB

RF audio interference level = 38.99 dBV/m

Emission category: **M2**

MIF scaled E-field

Grid 1 M2 38.66 dBV/m	Grid 2 M2 38.99 dBV/m	Grid 3 M2 38.97 dBV/m
Grid 4 M2 38.79 dBV/m	Grid 5 M2 38.99 dBV/m	Grid 6 M2 38.97 dBV/m
Grid 7 M2 38.79 dBV/m	Grid 8 M2 38.97 dBV/m	Grid 9 M2 38.85 dBV/m



0 dB = 89.02 V/m = 38.99 dBV/m

HAC-RF Emission System Check

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) @ 5500 MHz; Calibrated: 8/13/2021
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1434; Calibrated: 11/11/2021
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.10 (4);SEMCAD X Version 14.6.14 (7495)

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 = 25.52 V/m; Power Drift = -0.03 dB

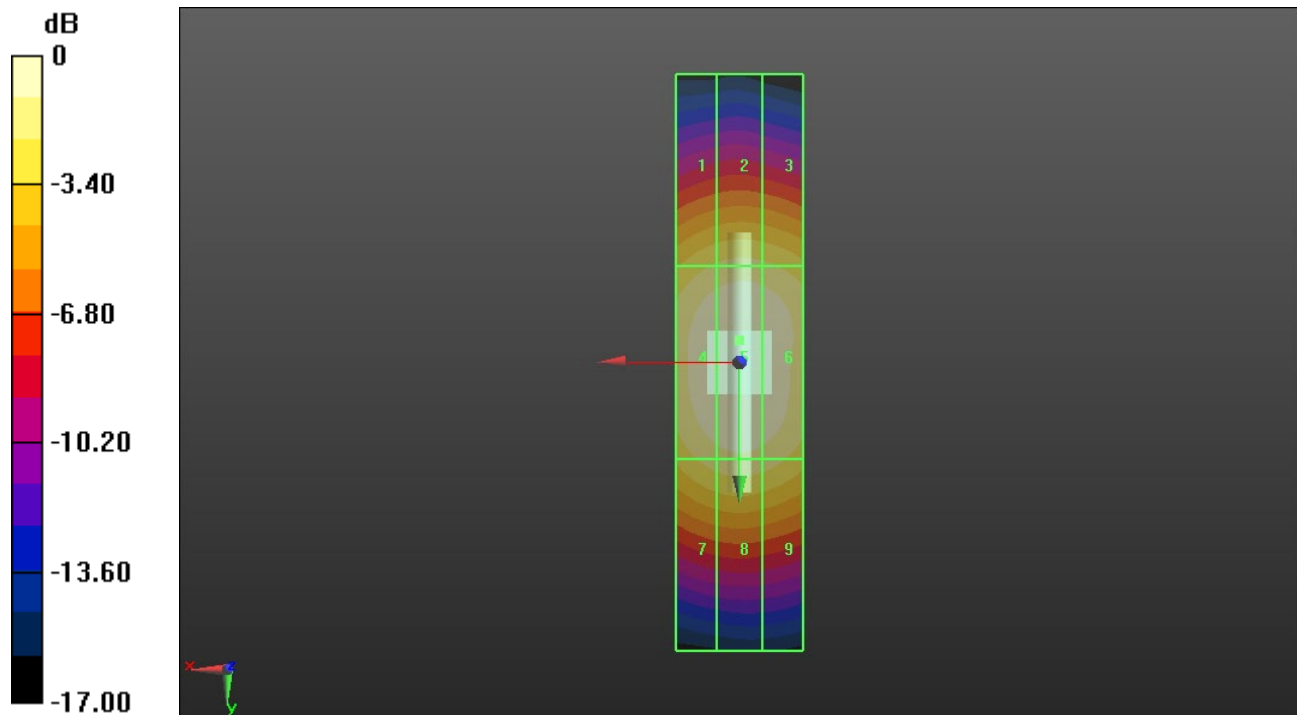
Applied MIF = 0.00 dB

RF audio interference level = 40.34 dBV/m

Emission category: M1

MIF scaled E-field

Grid 1 M2 38.27 dBV/m	Grid 2 M2 38.55 dBV/m	Grid 3 M2 38.39 dBV/m
Grid 4 M1 40.11 dBV/m	Grid 5 M1 40.34 dBV/m	Grid 6 M1 40.12 dBV/m
Grid 7 M2 38.7 dBV/m	Grid 8 M2 38.97 dBV/m	Grid 9 M2 38.73 dBV/m



0 dB = 104.0 V/m = 40.34 dBV/m