

HAC-RF Emission System Check 2011

Communication System: UID 0, CW; Frequency: 835 MHz; Duty Cycle: 1:1

Phantom section: RF Section

DASY5 Configuration:

- Probe: EF3DV3 - SN4041; ConvF(1, 1, 1) @ 835 MHz; Calibrated: 3/20/2023
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1433; Calibrated: 2/16/2023
- 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 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 = 135.6 V/m; Power Drift = 0.06 dB

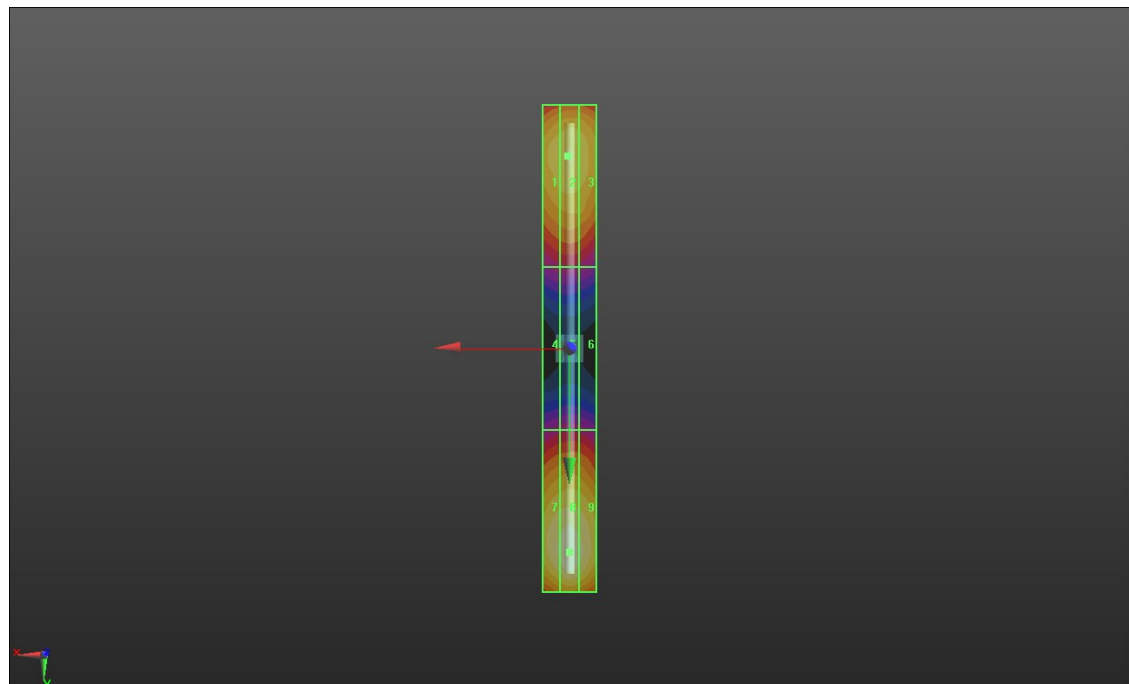
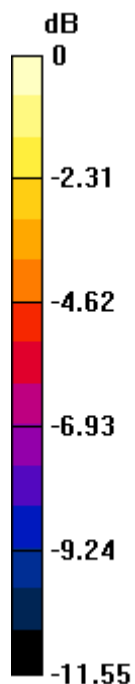
Applied MIF = 0.00 dB

RF audio interference level = 42.40 dBV/m

Emission category: M3

MIF scaled E-field

Grid 1 M3 40.73 dBV/m	Grid 2 M3 40.9 dBV/m	Grid 3 M3 40.65 dBV/m
Grid 4 M4 36.01 dBV/m	Grid 5 M4 36.17 dBV/m	Grid 6 M4 35.98 dBV/m
Grid 7 M3 41.87 dBV/m	Grid 8 M3 42.4 dBV/m	Grid 9 M3 41.95 dBV/m



0 dB = 131.8 V/m = 42.40 dBV/m

HAC-RF Emission System Check 2011

Communication System: UID 0, CW (0); Frequency: 2450 MHz; Duty Cycle: 1:1

Phantom section: RF Section

DASY5 Configuration:

- Probe: EF3DV3 - SN4041; ConvF(1, 1, 1) @ 2450 MHz; Calibrated: 3/20/2023
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1433; Calibrated: 2/16/2023
- 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 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 = 80.70 V/m; Power Drift = 0.04 dB

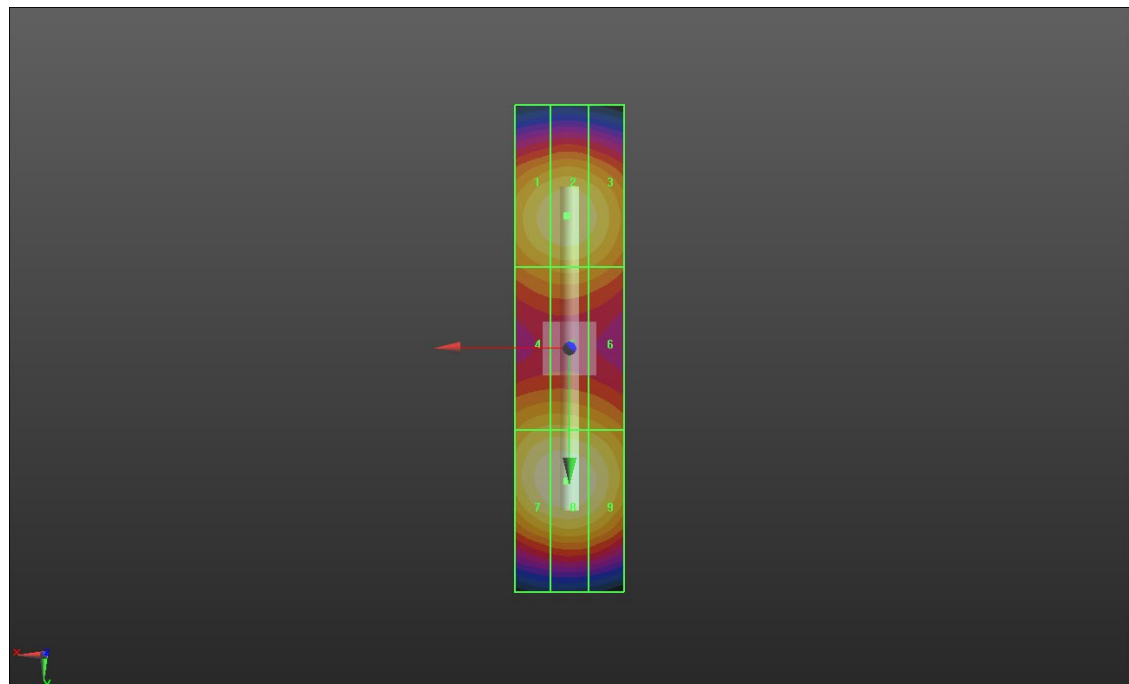
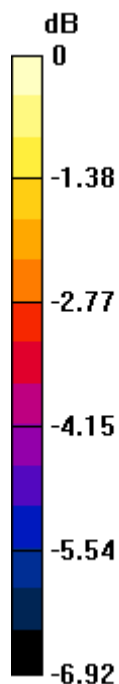
Applied MIF = 0.00 dB

RF audio interference level = 39.54 dBV/m

Emission category: M2

MIF scaled E-field

Grid 1 M2 38.94 dBV/m	Grid 2 M2 39.08 dBV/m	Grid 3 M2 38.83 dBV/m
Grid 4 M2 38.35 dBV/m	Grid 5 M2 38.36 dBV/m	Grid 6 M2 38.11 dBV/m
Grid 7 M2 39.46 dBV/m	Grid 8 M2 39.54 dBV/m	Grid 9 M2 39.28 dBV/m



0 dB = 94.80 V/m = 39.54 dBV/m

HAC-RF Emission System Check 2011

Communication System: UID 0, CW (0); Frequency: 3500 MHz; Duty Cycle: 1:1

Phantom section: RF Section

DASY5 Configuration:

- Probe: EF3DV3 - SN4041; ConvF(1, 1, 1) @ 3500 MHz; Calibrated: 3/20/2023
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1433; Calibrated: 2/16/2023
- 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 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 = 36.08 V/m; Power Drift = 0.09 dB

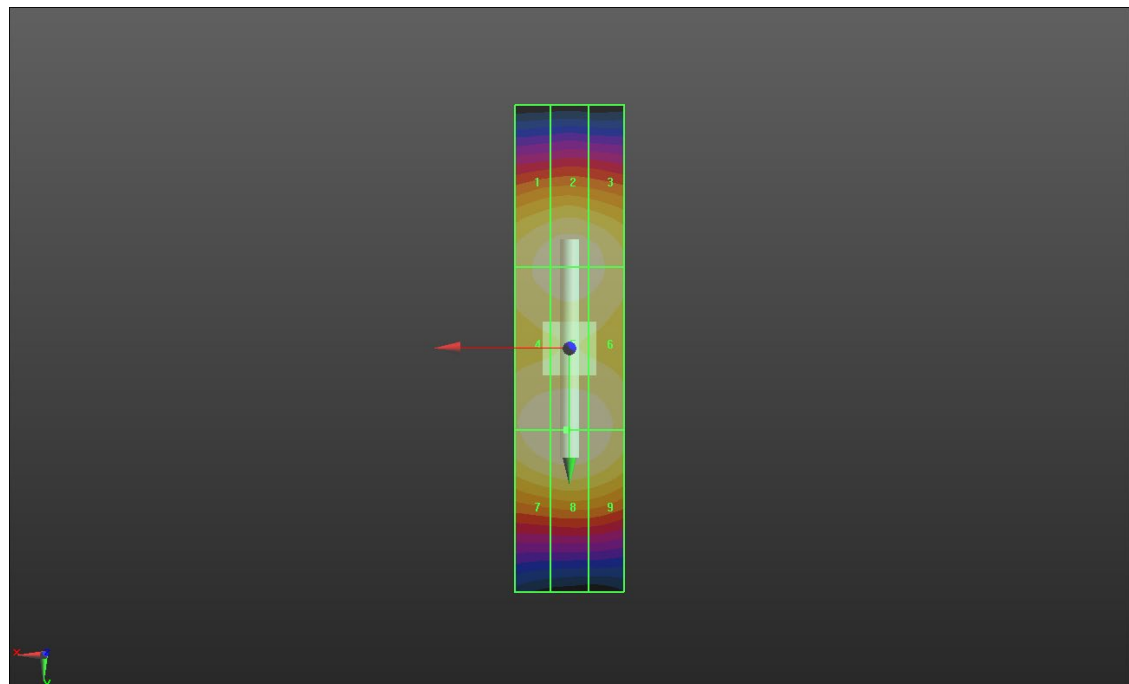
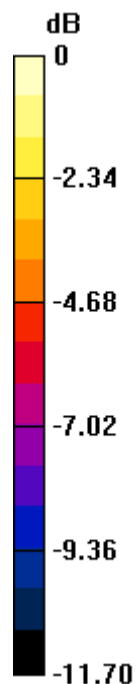
Applied MIF = 0.00 dB

RF audio interference level = 39.04 dBV/m

Emission category: M2

MIF scaled E-field

Grid 1 M2 38.65 dBV/m	Grid 2 M2 38.83 dBV/m	Grid 3 M2 38.64 dBV/m
Grid 4 M2 38.91 dBV/m	Grid 5 M2 39.04 dBV/m	Grid 6 M2 38.85 dBV/m
Grid 7 M2 38.91 dBV/m	Grid 8 M2 39.04 dBV/m	Grid 9 M2 38.85 dBV/m



0 dB = 89.56 V/m = 39.04 dBV/m

HAC-RF Emission System Check 2011

Communication System: UID 0, CW (0); Frequency: 1880 MHz; Duty Cycle: 1:1

Phantom section: RF Section

DASY5 Configuration:

- Probe: EF3DV3 - SN4041; ConvF(1, 1, 1) @ 1880 MHz; Calibrated: 3/20/2023

- Sensor-Surface: (Fix Surface)

- Electronics: DAE4 Sn1433; Calibrated: 2/16/2023

- 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 1880MHz/1880 MHz 2/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 = 162.4 V/m; Power Drift = 0.06 dB

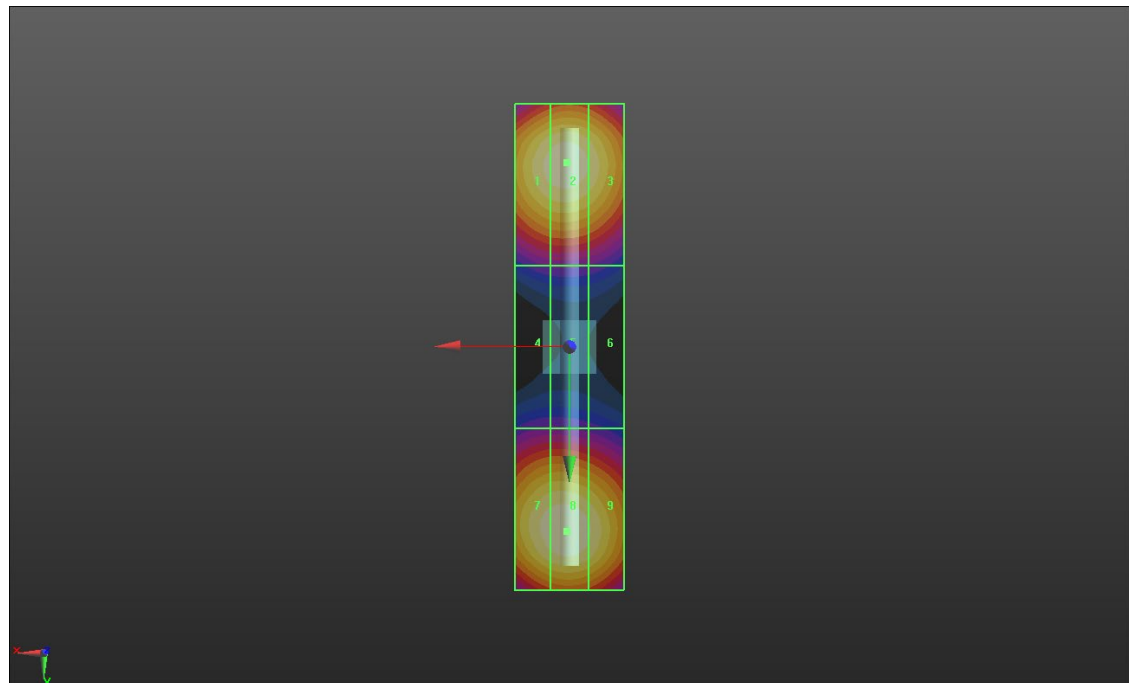
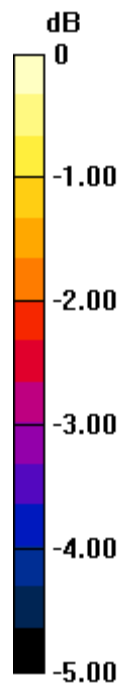
Applied MIF = 0.00 dB

RF audio interference level = 39.72 dBV/m

Emission category: **M2**

MIF scaled E-field

Grid 1 M2 39.53 dBV/m	Grid 2 M2 39.65 dBV/m	Grid 3 M2 39.38 dBV/m
Grid 4 M2 36.48 dBV/m	Grid 5 M2 36.5 dBV/m	Grid 6 M2 36.39 dBV/m
Grid 7 M2 39.61 dBV/m	Grid 8 M2 39.72 dBV/m	Grid 9 M2 39.45 dBV/m



0 dB = 96.79 V/m = 39.72 dBV/m

HAC-RF Emission System Check 2011

Communication System: UID 0, CW (0); Frequency: 2600 MHz; Duty Cycle: 1:1

Phantom section: RF Section

DASY5 Configuration:

- Probe: EF3DV3 - SN4041; ConvF(1, 1, 1) @ 2600 MHz; Calibrated: 3/20/2023

- Sensor-Surface: (Fix Surface)

- Electronics: DAE4 Sn1433; Calibrated: 2/16/2023

- 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 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 = 75.01 V/m; Power Drift = -0.11 dB

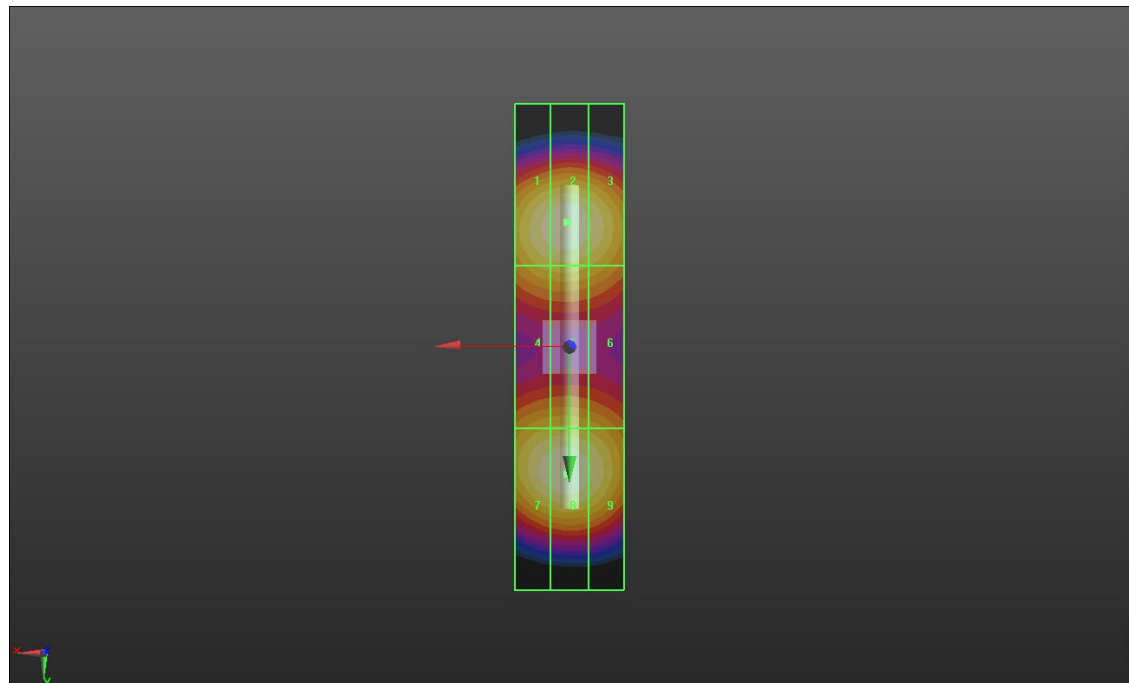
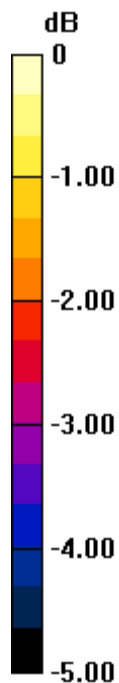
Applied MIF = 0.00 dB

RF audio interference level = 39.51 dBV/m

Emission category: **M2**

MIF scaled E-field

Grid 1 M2 39.36 dBV/m	Grid 2 M2 39.49 dBV/m	Grid 3 M2 39.25 dBV/m
Grid 4 M2 38.68 dBV/m	Grid 5 M2 38.73 dBV/m	Grid 6 M2 38.55 dBV/m
Grid 7 M2 39.39 dBV/m	Grid 8 M2 39.51 dBV/m	Grid 9 M2 39.27 dBV/m



0 dB = 94.49 V/m = 39.51 dBV/m

HAC-RF Emission System Check 2011

Communication System: UID 0, CW (0); Frequency: 5500 MHz; Duty Cycle: 1:1

Phantom section: RF Section

DASY5 Configuration:

- Probe: EF3DV3 - SN4041; ConvF(1, 1, 1) @ 5500 MHz; Calibrated: 3/20/2023

- Sensor-Surface: (Fix Surface)

- Electronics: DAE4 Sn1433; Calibrated: 2/16/2023

- 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 2/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 = 28.60 V/m; Power Drift = -0.19 dB

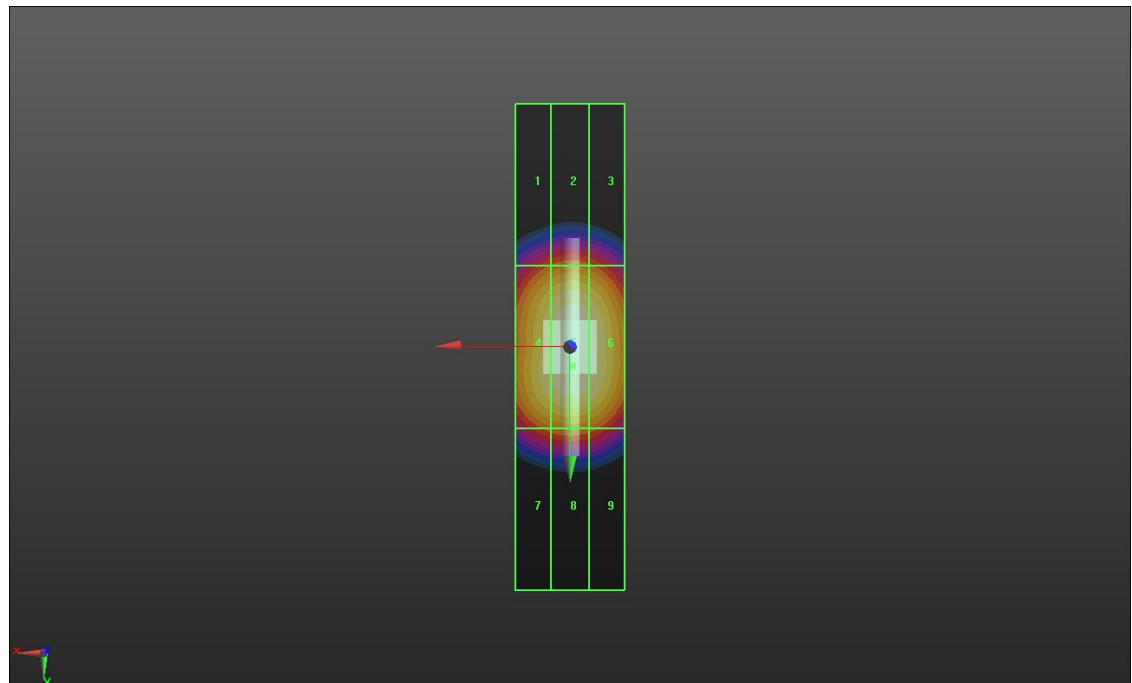
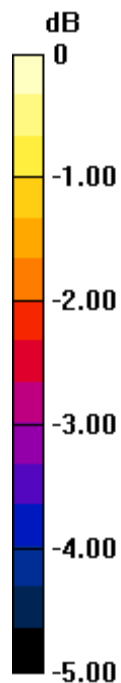
Applied MIF = 0.00 dB

RF audio interference level = 41.01 dBV/m

Emission category: **M1**

MIF scaled E-field

Grid 1 M2 39.09 dBV/m	Grid 2 M2 39.34 dBV/m	Grid 3 M2 39.15 dBV/m
Grid 4 M1 40.72 dBV/m	Grid 5 M1 41.01 dBV/m	Grid 6 M1 40.87 dBV/m
Grid 7 M2 39.27 dBV/m	Grid 8 M2 39.46 dBV/m	Grid 9 M2 39.29 dBV/m



0 dB = 112.4 V/m = 41.02 dBV/m