

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 = 123.3 V/m; Power Drift = 0.09 dB

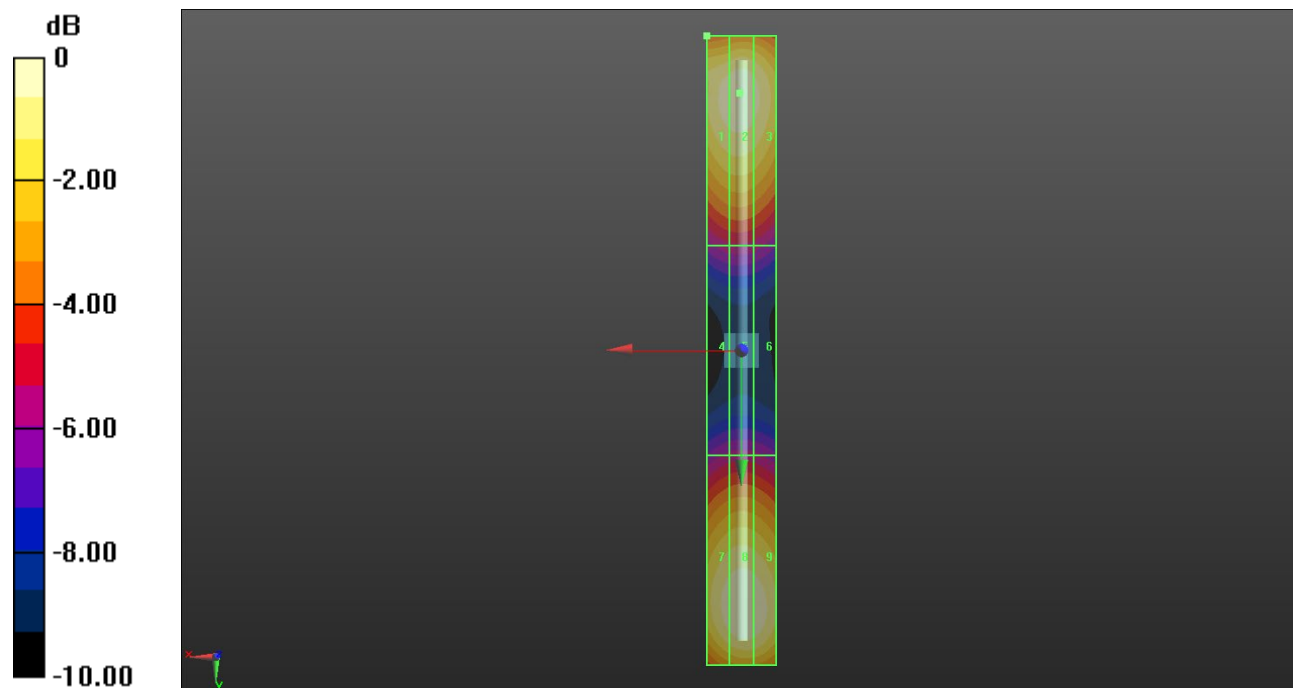
Applied MIF = 0.00 dB

RF audio interference level = 41.00 dBV/m

Emission category: **M3**

MIF scaled E-field

Grid 1 M3 40.76 dBV/m	Grid 2 M3 40.89 dBV/m	Grid 3 M3 40.6 dBV/m
Grid 4 M4 35.51 dBV/m	Grid 5 M4 35.59 dBV/m	Grid 6 M4 35.4 dBV/m
Grid 7 M3 40.71 dBV/m	Grid 8 M3 41 dBV/m	Grid 9 M3 40.89 dBV/m



0 dB = 112.2 V/m = 41.00 dBV/m

HAC-RF Emission System Check 2011

Communication System: UID 0, CW; 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)

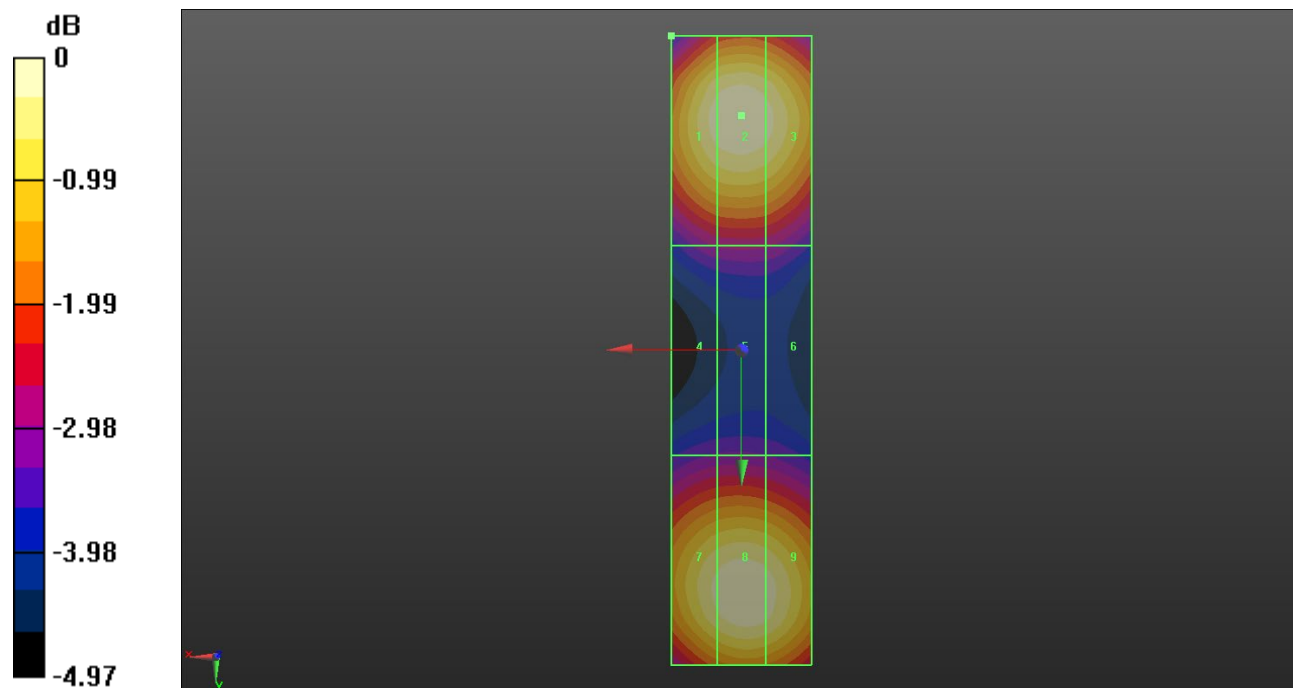
Dipole E-Field Measurement 1880MHz/1880 MHz/Hearing Aid Compatibility Test at 15mm distance (41x181x1):

Interpolated grid: dx=0.5000 mm, dy=0.5000 mm
 Device Reference Point: 0, 0, -6.3 mm
 Reference Value = 158.8 V/m; Power Drift = -0.07 dB
 Applied MIF = 0.00 dB
 RF audio interference level = 39.39 dBV/m

Emission category: **M2**

MIF scaled E-field

Grid 1 M2 39.23 dBV/m	Grid 2 M2 39.38 dBV/m	Grid 3 M2 39.19 dBV/m
Grid 4 M2 36.47 dBV/m	Grid 5 M2 36.55 dBV/m	Grid 6 M2 36.5 dBV/m
Grid 7 M2 39.17 dBV/m	Grid 8 M2 39.39 dBV/m	Grid 9 M2 39.24 dBV/m



0 dB = 93.22 V/m = 39.39 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 = 84.76 V/m; Power Drift = 0.04 dB

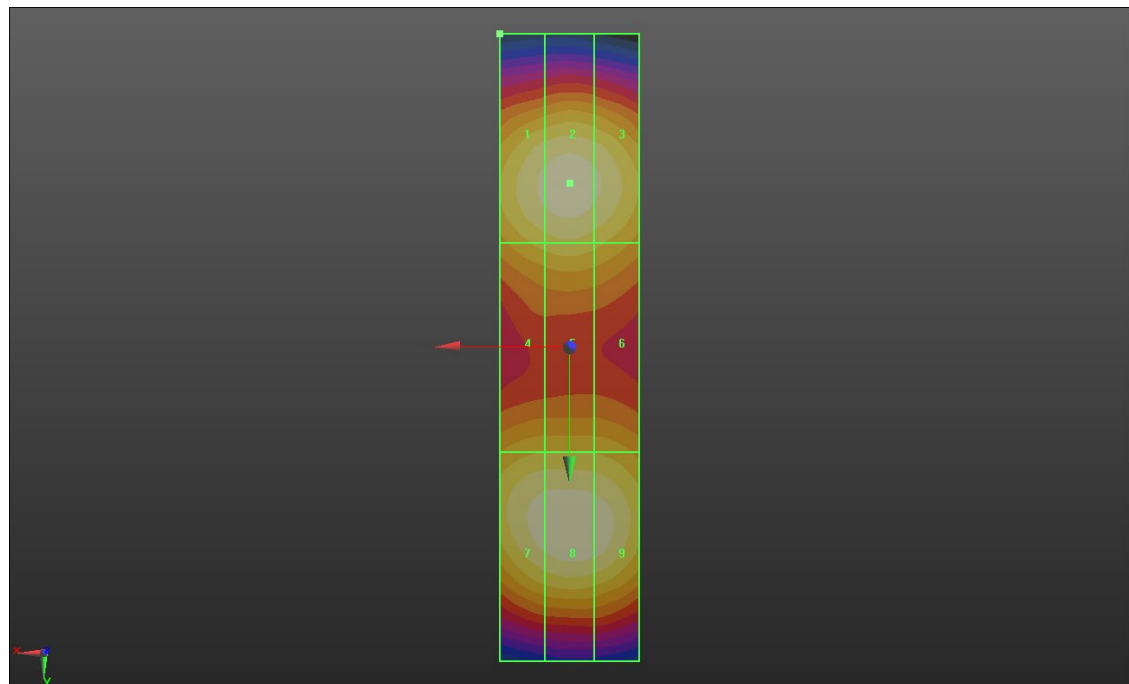
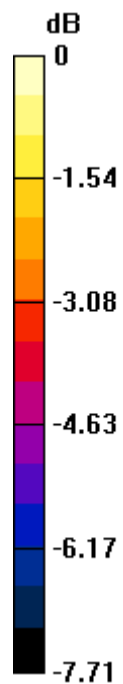
Applied MIF = 0.00 dB

RF audio interference level = 39.24 dBV/m

Emission category: **M2**

MIF scaled E-field

Grid 1 M2 38.87 dBV/m	Grid 2 M2 39.08 dBV/m	Grid 3 M2 38.85 dBV/m
Grid 4 M2 37.93 dBV/m	Grid 5 M2 38.13 dBV/m	Grid 6 M2 37.88 dBV/m
Grid 7 M2 39.05 dBV/m	Grid 8 M2 39.24 dBV/m	Grid 9 M2 39.13 dBV/m



0 dB = 91.61 V/m = 39.24 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 = 73.04 V/m; Power Drift = -0.07 dB

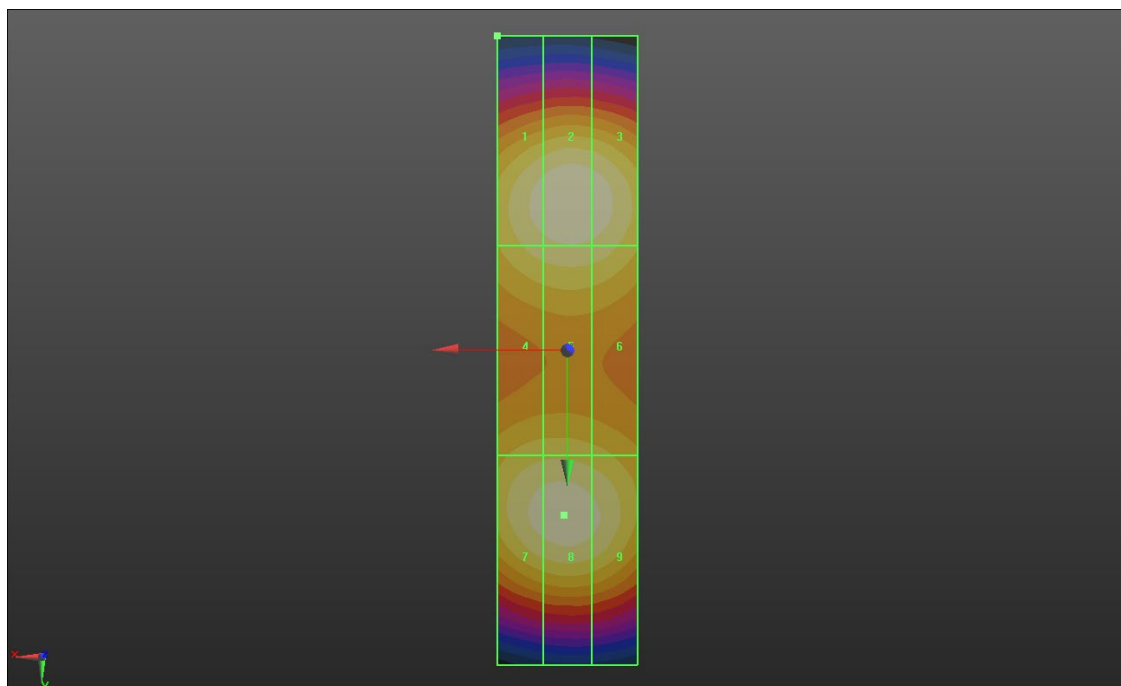
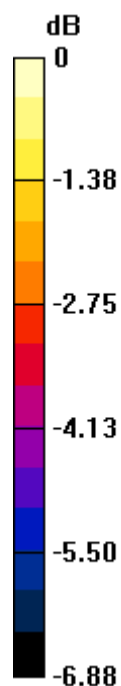
Applied MIF = 0.00 dB

RF audio interference level = 39.02 dBV/m

Emission category: **M2**

MIF scaled E-field

Grid 1 M2 38.78 dBV/m	Grid 2 M2 39.02 dBV/m	Grid 3 M2 38.9 dBV/m
Grid 4 M2 38.39 dBV/m	Grid 5 M2 38.55 dBV/m	Grid 6 M2 38.46 dBV/m
Grid 7 M2 38.77 dBV/m	Grid 8 M2 38.89 dBV/m	Grid 9 M2 38.69 dBV/m



0 dB = 89.31 V/m = 39.02 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 = 39.20 V/m; Power Drift = 0.13 dB

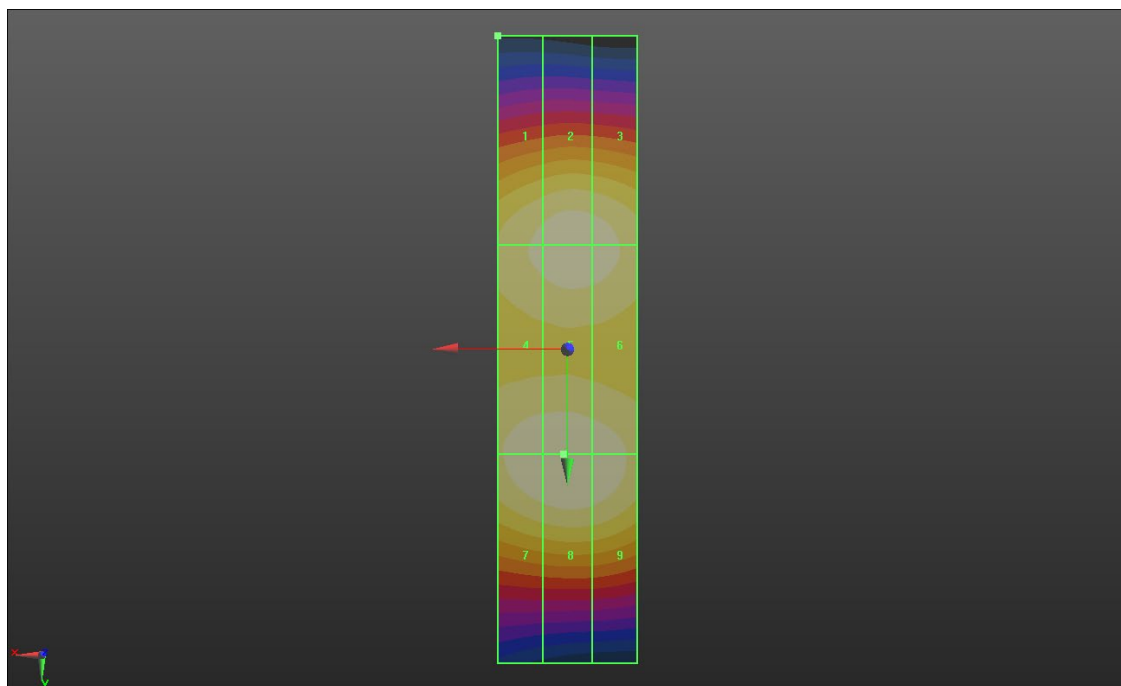
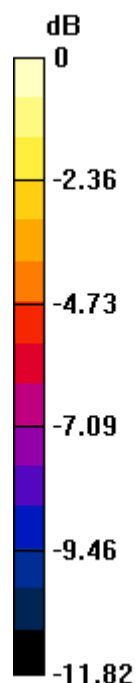
Applied MIF = 0.00 dB

RF audio interference level = 38.87 dBV/m

Emission category: **M2**

MIF scaled E-field

Grid 1 M2 38.32 dBV/m	Grid 2 M2 38.6 dBV/m	Grid 3 M2 38.52 dBV/m
Grid 4 M2 38.73 dBV/m	Grid 5 M2 38.84 dBV/m	Grid 6 M2 38.68 dBV/m
Grid 7 M2 38.74 dBV/m	Grid 8 M2 38.87 dBV/m	Grid 9 M2 38.72 dBV/m



0 dB = 87.85 V/m = 38.87 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/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 = 27.90 V/m; Power Drift = 0.17 dB

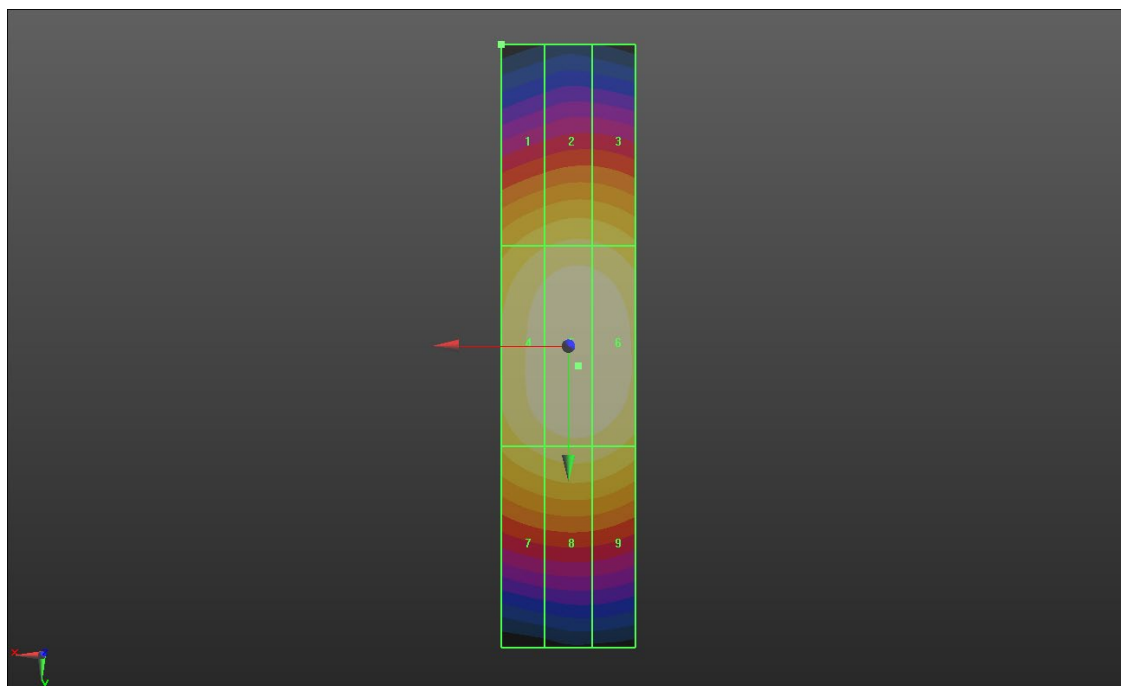
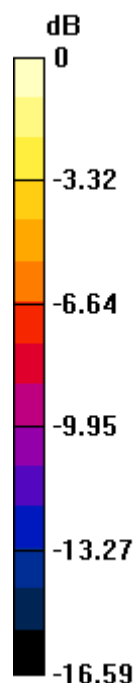
Applied MIF = 0.00 dB

RF audio interference level = 40.86 dBV/m

Emission category: **M1**

MIF scaled E-field

Grid 1 M2 38.57 dBV/m	Grid 2 M2 38.98 dBV/m	Grid 3 M2 38.9 dBV/m
Grid 4 M1 40.39 dBV/m	Grid 5 M1 40.86 dBV/m	Grid 6 M1 40.79 dBV/m
Grid 7 M2 39.1 dBV/m	Grid 8 M2 39.44 dBV/m	Grid 9 M2 39.34 dBV/m



0 dB = 110.5 V/m = 40.87 dBV/m