

HAC-RF Emission

Communication System: UID 10021 - CAA, GSM-FDD (TDMA, GMSK); Frequency: 824.2 MHz; Duty Cycle: 1:8.6896

Phantom section: RF Section

DASY5 Configuration:

- Probe: ER3DV6 - SN2339; ConvF(1, 1, 1); Calibrated: 2/14/2014;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE3 Sn500; Calibrated: 5/28/2013
- 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)

GSM850 E-Field measurement/Voice_ch 128/Hearing Aid Compatibility Test

(101x101x1): Interpolated grid: dx=0.5000 mm, dy=0.5000 mm

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 55.05 V/m; Power Drift = 0.04 dB

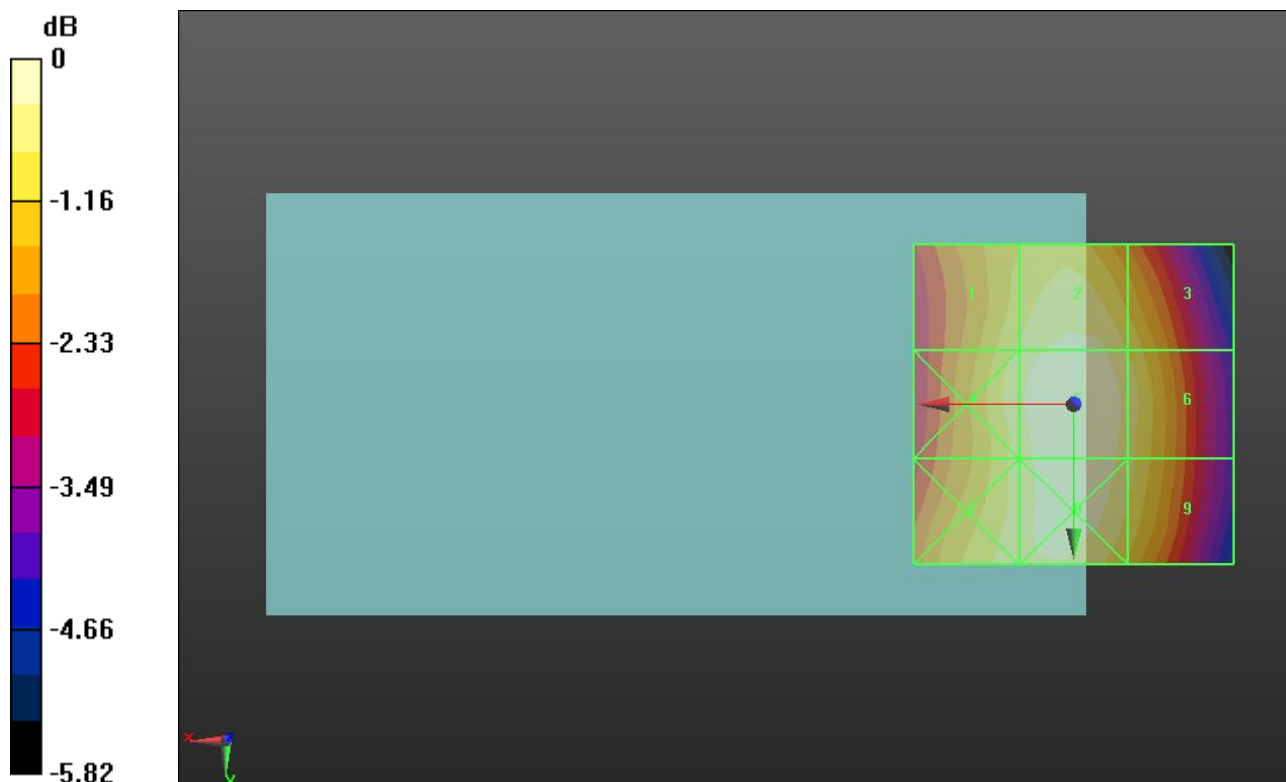
Applied MIF = 3.63 dB

RF audio interference level = 35.94 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 35.24 dBV/m	Grid 2 M4 35.68 dBV/m	Grid 3 M4 35.14 dBV/m
Grid 4 M4 35.48 dBV/m	Grid 5 M4 35.94 dBV/m	Grid 6 M4 35.41 dBV/m
Grid 7 M4 35.42 dBV/m	Grid 8 M4 35.83 dBV/m	Grid 9 M4 35.31 dBV/m



0 dB = 62.66 V/m = 35.94 dBV/m

HAC-RF Emission

Communication System: UID 10021 - CAA, GSM-FDD (TDMA, GMSK); Frequency: 836.6 MHz; Duty Cycle: 1:8.6896

Phantom section: RF Section

DASY5 Configuration:

- Probe: ER3DV6 - SN2339; ConvF(1, 1, 1); Calibrated: 2/14/2014;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE3 Sn500; Calibrated: 5/28/2013
- 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)

GSM850 E-Field measurement/Voice_ch 190/Hearing Aid Compatibility Test

(101x101x1): Interpolated grid: dx=0.5000 mm, dy=0.5000 mm

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 62.59 V/m; Power Drift = -0.16 dB

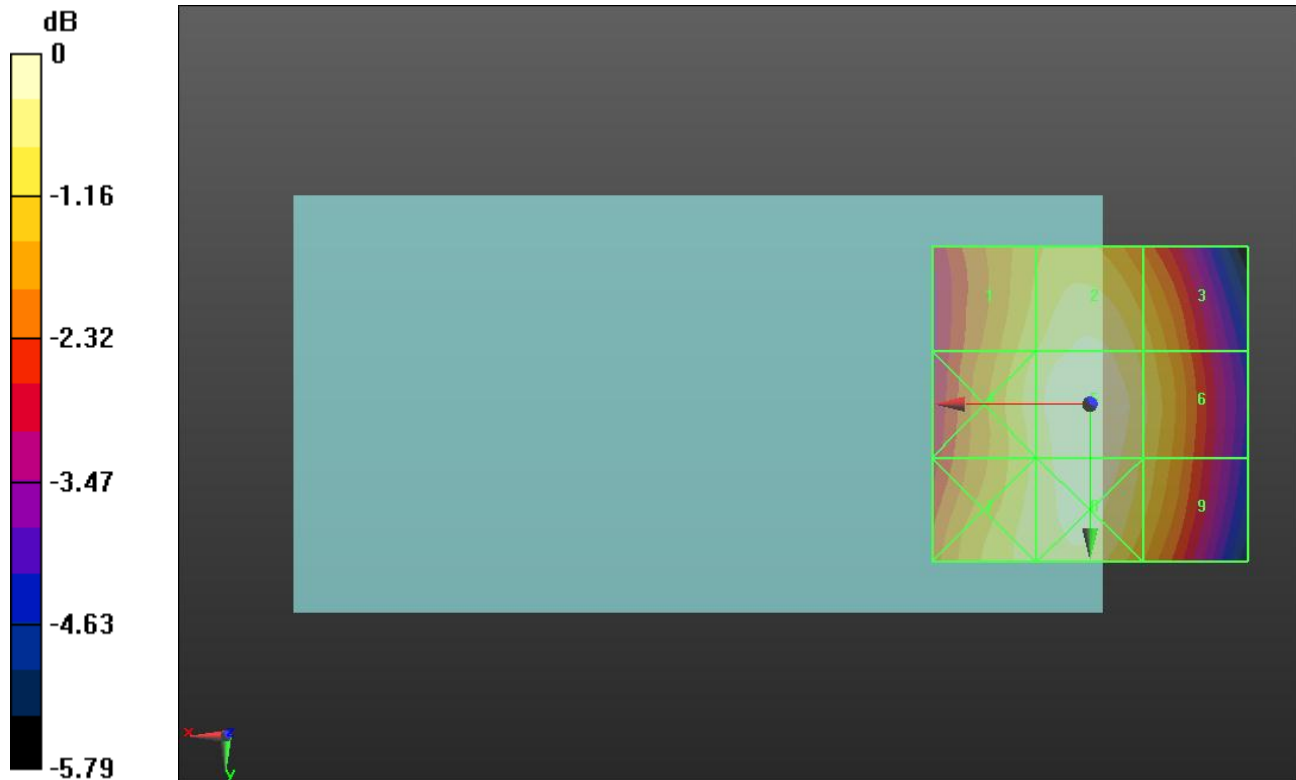
Applied MIF = 3.63 dB

RF audio interference level = 37.12 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 36.33 dBV/m	Grid 2 M4 36.84 dBV/m	Grid 3 M4 36.2 dBV/m
Grid 4 M4 36.61 dBV/m	Grid 5 M4 37.12 dBV/m	Grid 6 M4 36.44 dBV/m
Grid 7 M4 36.57 dBV/m	Grid 8 M4 36.96 dBV/m	Grid 9 M4 36.29 dBV/m



0 dB = 71.76 V/m = 37.12 dBV/m

HAC-RF Emission

Communication System: UID 10021 - CAA, GSM-FDD (TDMA, GMSK); Frequency: 848.6 MHz; Duty Cycle: 1:8.6896

Phantom section: RF Section

DASY5 Configuration:

- Probe: ER3DV6 - SN2339; ConvF(1, 1, 1); Calibrated: 2/14/2014;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE3 Sn500; Calibrated: 5/28/2013
- 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)

GSM850 E-Field measurement/Voice_ch 251/Hearing Aid Compatibility Test

(101x101x1): Interpolated grid: dx=0.5000 mm, dy=0.5000 mm

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 63.37 V/m; Power Drift = 0.04 dB

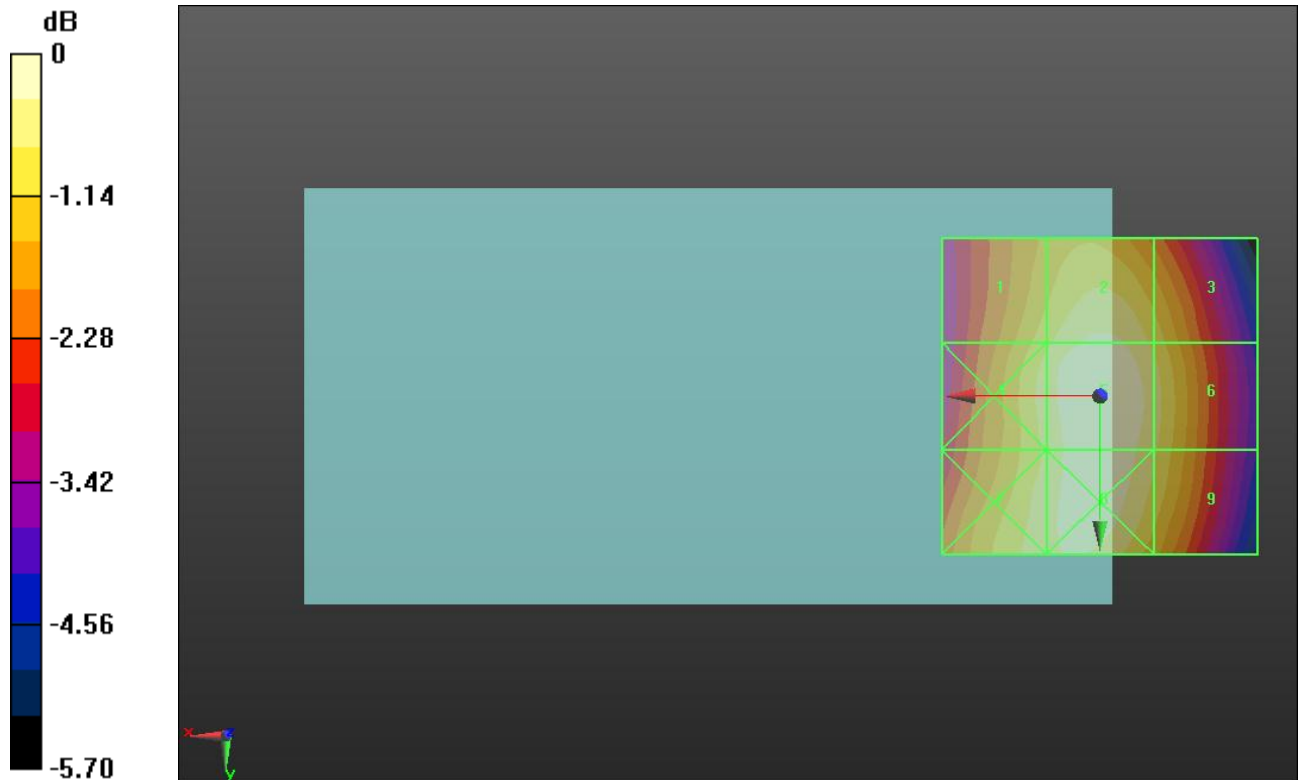
Applied MIF = 3.63 dB

RF audio interference level = 37.36 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 36.5 dBV/m	Grid 2 M4 37.07 dBV/m	Grid 3 M4 36.5 dBV/m
Grid 4 M4 36.81 dBV/m	Grid 5 M4 37.36 dBV/m	Grid 6 M4 36.79 dBV/m
Grid 7 M4 36.85 dBV/m	Grid 8 M4 37.26 dBV/m	Grid 9 M4 36.67 dBV/m



0 dB = 73.76 V/m = 37.36 dBV/m

HAC-RF Emission

Communication System: UID 10021 - CAA, GSM-FDD (TDMA, GMSK); Frequency: 1850.2 MHz; Duty Cycle: 1:8.6896

Phantom section: RF Section

DASY5 Configuration:

- Probe: ER3DV6 - SN2339; ConvF(1, 1, 1); Calibrated: 2/14/2014;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE3 Sn500; Calibrated: 5/28/2013
- 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)

GSM1900 E-Field measurement/Voice_ch 512/Hearing Aid Compatibility Test

(101x101x1): Interpolated grid: dx=0.5000 mm, dy=0.5000 mm

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 14.27 V/m; Power Drift = -0.04 dB

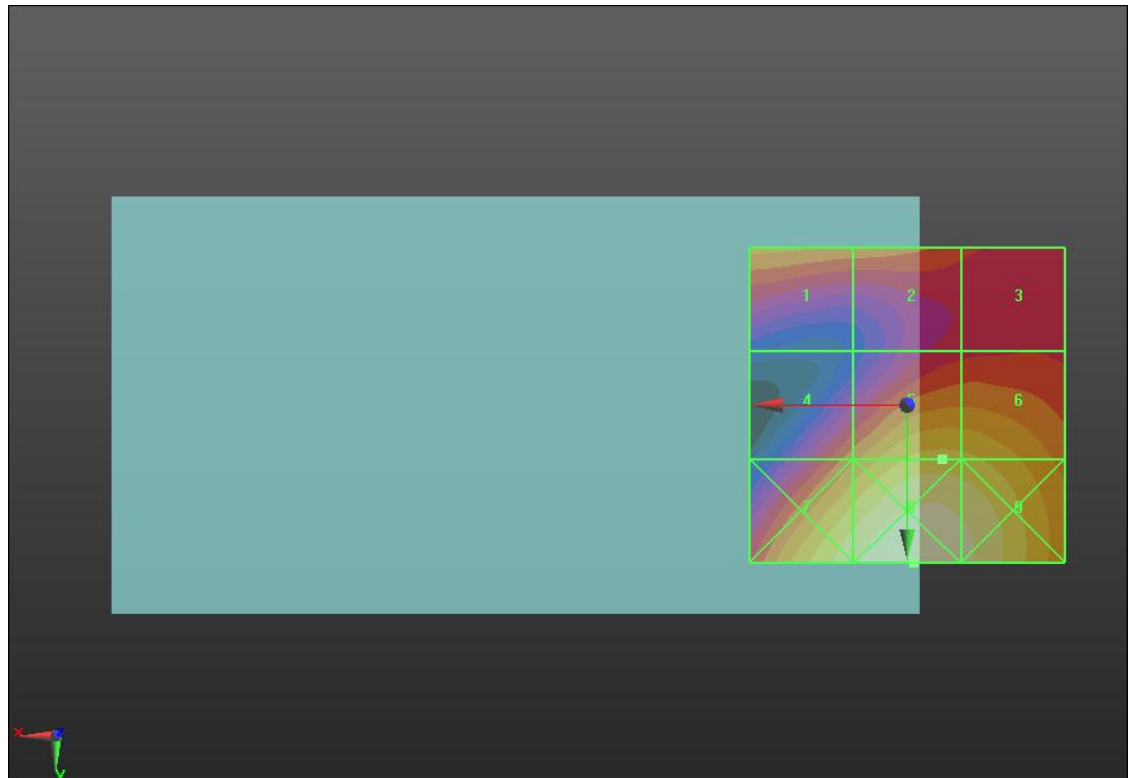
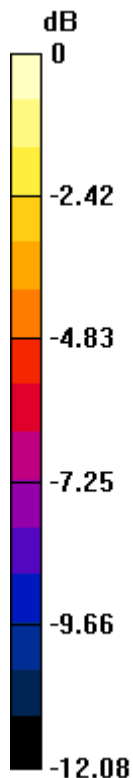
Applied MIF = 3.63 dB

RF audio interference level = 27.48 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 25.83 dBV/m	Grid 2 M4 25.44 dBV/m	Grid 3 M4 24.25 dBV/m
Grid 4 M4 25.33 dBV/m	Grid 5 M4 27.48 dBV/m	Grid 6 M4 27.4 dBV/m
Grid 7 M4 28.62 dBV/m	Grid 8 M4 29.56 dBV/m	Grid 9 M4 29.02 dBV/m



0 dB = 30.05 V/m = 29.56 dBV/m

HAC-RF Emission

Communication System: UID 10021 - CAA, GSM-FDD (TDMA, GMSK); Frequency: 1880 MHz; Duty Cycle: 1:8.6896

Phantom section: RF Section

DASY5 Configuration:

- Probe: ER3DV6 - SN2339; ConvF(1, 1, 1); Calibrated: 2/14/2014;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE3 Sn500; Calibrated: 5/28/2013
- 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)

GSM1900 E-Field measurement/Voice_ch 661/Hearing Aid Compatibility Test

(101x101x1): Interpolated grid: dx=0.5000 mm, dy=0.5000 mm

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 11.24 V/m; Power Drift = 0.01 dB

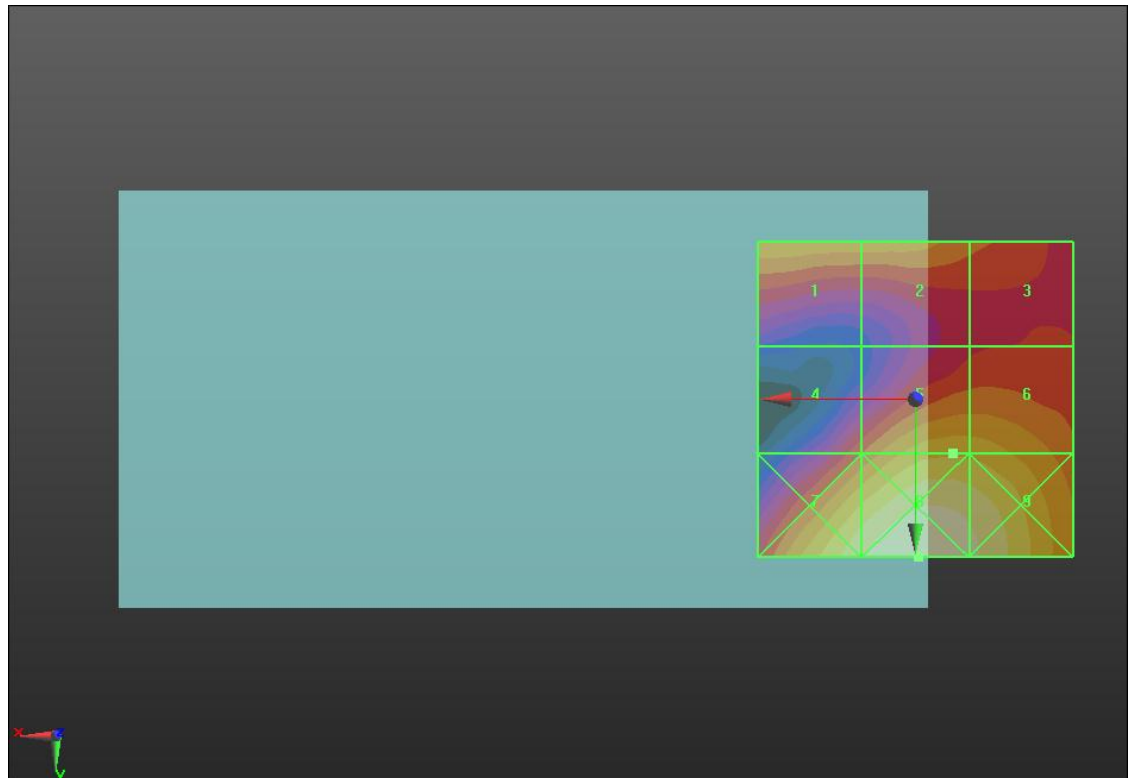
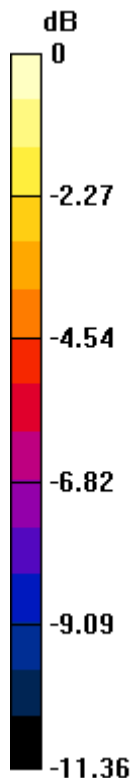
Applied MIF = 3.63 dB

RF audio interference level = 25.68 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 25.06 dBV/m	Grid 2 M4 24.94 dBV/m	Grid 3 M4 23.87 dBV/m
Grid 4 M4 23.52 dBV/m	Grid 5 M4 25.68 dBV/m	Grid 6 M4 25.62 dBV/m
Grid 7 M4 27.26 dBV/m	Grid 8 M4 28.06 dBV/m	Grid 9 M4 27.54 dBV/m



0 dB = 25.31 V/m = 28.07 dBV/m

HAC-RF Emission

Communication System: UID 10021 - CAA, GSM-FDD (TDMA, GMSK); Frequency: 1909.8 MHz; Duty Cycle: 1:8.6896

Phantom section: RF Section

DASY5 Configuration:

- Probe: ER3DV6 - SN2339; ConvF(1, 1, 1); Calibrated: 2/14/2014;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE3 Sn500; Calibrated: 5/28/2013
- 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)

GSM1900 E-Field measurement/Voice_ch 810/Hearing Aid Compatibility Test

(101x101x1): Interpolated grid: dx=0.5000 mm, dy=0.5000 mm

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 10.67 V/m; Power Drift = -0.01 dB

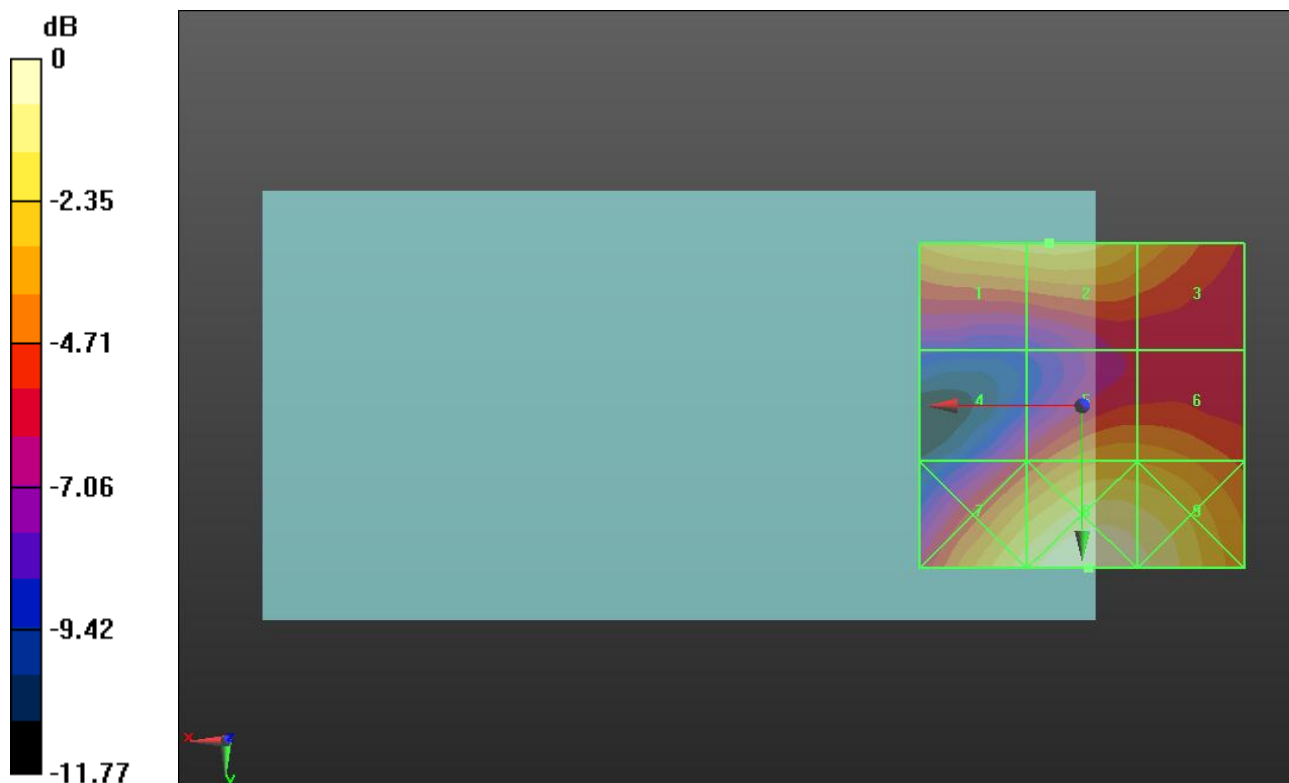
Applied MIF = 3.63 dB

RF audio interference level = 26.98 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 26.87 dBV/m	Grid 2 M4 26.98 dBV/m	Grid 3 M4 25.7 dBV/m
Grid 4 M4 23.35 dBV/m	Grid 5 M4 25.74 dBV/m	Grid 6 M4 25.66 dBV/m
Grid 7 M4 27.78 dBV/m	Grid 8 M4 28.82 dBV/m	Grid 9 M4 28.31 dBV/m



0 dB = 27.60 V/m = 28.82 dBV/m