

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 - SN2540; ConvF(1, 1, 1); Calibrated: 8/26/2014;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1259; Calibrated: 1/14/2015
- 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 = 74.78 V/m; Power Drift = -0.01 dB

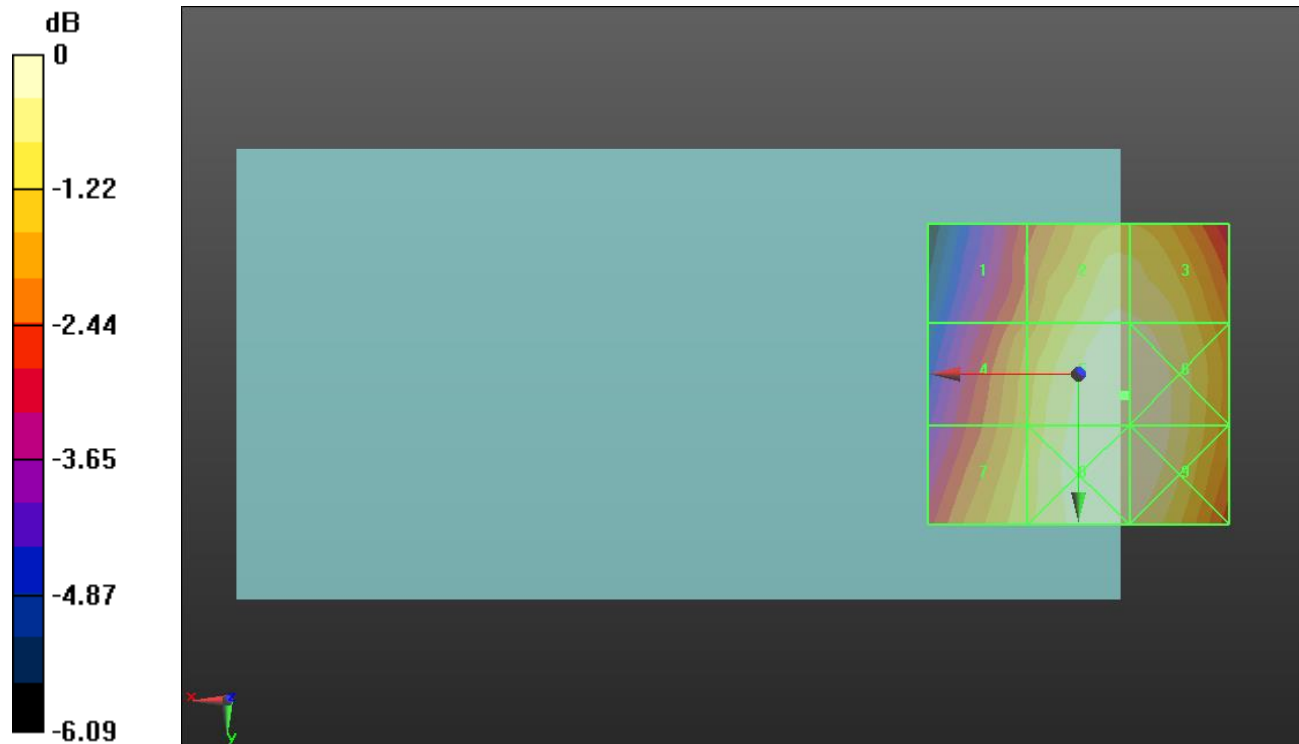
Applied MIF = 3.63 dB

RF audio interference level = 39.70 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 37.78 dBV/m	Grid 2 M4 39.38 dBV/m	Grid 3 M4 39.36 dBV/m
Grid 4 M4 38.44 dBV/m	Grid 5 M4 39.7 dBV/m	Grid 6 M4 39.69 dBV/m
Grid 7 M4 38.81 dBV/m	Grid 8 M4 39.65 dBV/m	Grid 9 M4 39.65 dBV/m



0 dB = 96.57 V/m = 39.70 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 - SN2540; ConvF(1, 1, 1); Calibrated: 8/26/2014;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1259; Calibrated: 1/14/2015
- 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 = 74.34 V/m; Power Drift = -0.18 dB

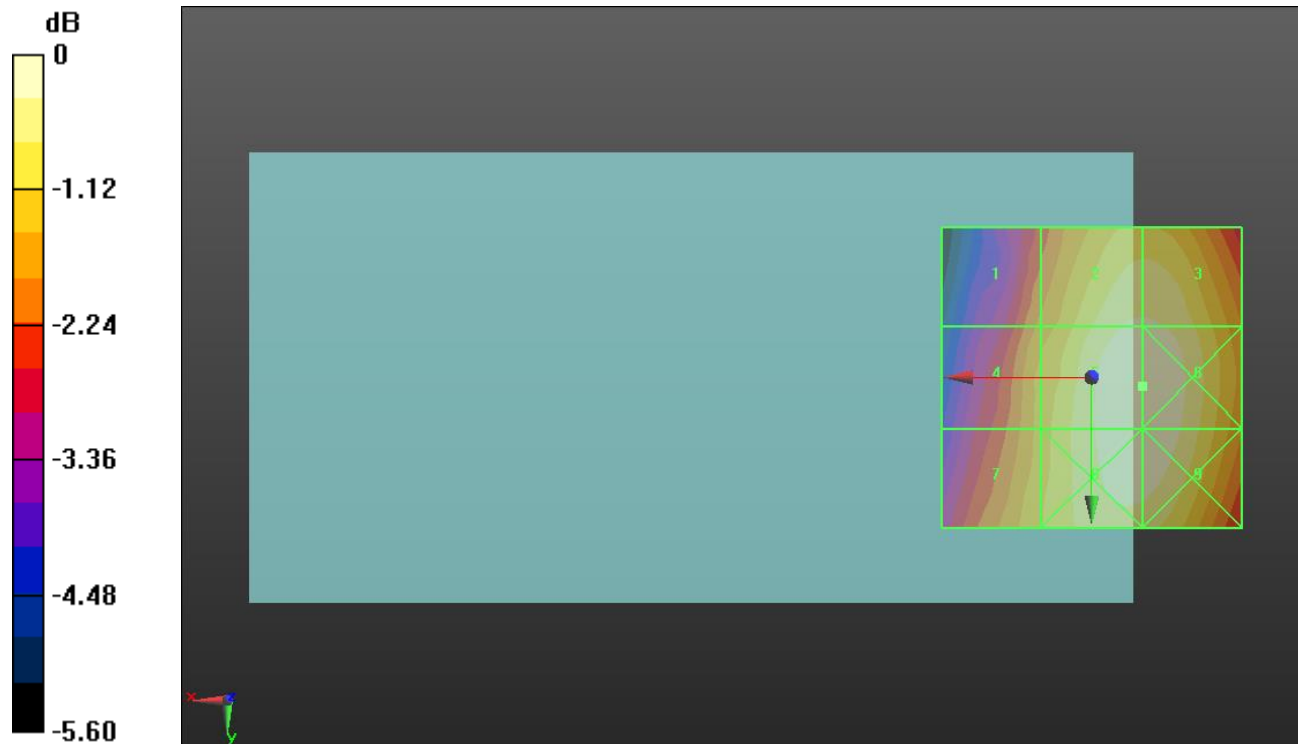
Applied MIF = 3.63 dB

RF audio interference level = 39.64 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 37.9 dBV/m	Grid 2 M4 39.34 dBV/m	Grid 3 M4 39.34 dBV/m
Grid 4 M4 38.31 dBV/m	Grid 5 M4 39.64 dBV/m	Grid 6 M4 39.64 dBV/m
Grid 7 M4 38.51 dBV/m	Grid 8 M4 39.57 dBV/m	Grid 9 M4 39.57 dBV/m



0 dB = 95.99 V/m = 39.64 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 - SN2540; ConvF(1, 1, 1); Calibrated: 8/26/2014;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1259; Calibrated: 1/14/2015
- 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 = 80.98 V/m; Power Drift = -0.02 dB

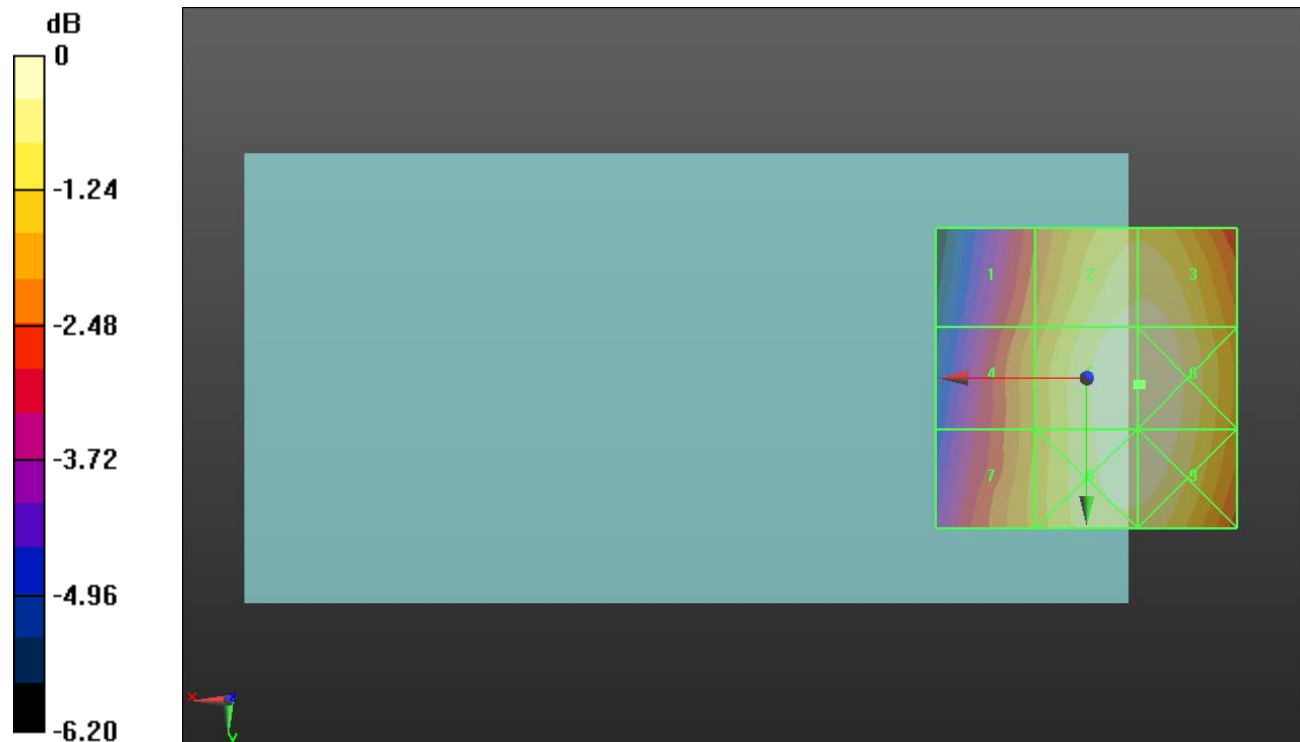
Applied MIF = 3.63 dB

RF audio interference level = 40.43 dBV/m

Emission category: M3

MIF scaled E-field

Grid 1 M4 38.51 dBV/m	Grid 2 M3 40.2 dBV/m	Grid 3 M3 40.2 dBV/m
Grid 4 M4 38.86 dBV/m	Grid 5 M3 40.43 dBV/m	Grid 6 M3 40.43 dBV/m
Grid 7 M4 38.97 dBV/m	Grid 8 M3 40.35 dBV/m	Grid 9 M3 40.35 dBV/m



0 dB = 105.1 V/m = 40.43 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 - SN2540; ConvF(1, 1, 1); Calibrated: 8/26/2014;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1259; Calibrated: 1/14/2015
- 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 = 3.621 V/m; Power Drift = 0.56 dB

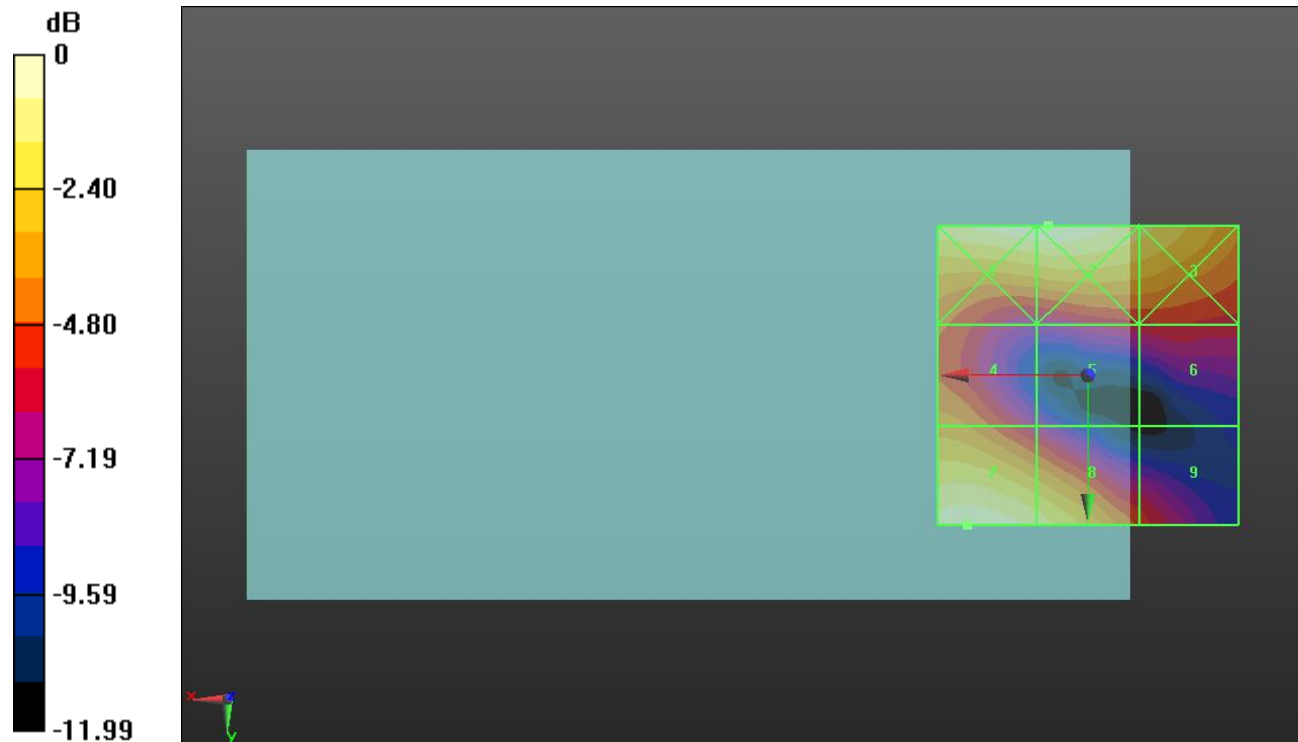
Applied MIF = 3.63 dB

RF audio interference level = 26.30 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 26.34 dBV/m	Grid 2 M4 26.37 dBV/m	Grid 3 M4 25.16 dBV/m
Grid 4 M4 22.83 dBV/m	Grid 5 M4 20.55 dBV/m	Grid 6 M4 20.8 dBV/m
Grid 7 M4 26.3 dBV/m	Grid 8 M4 25.3 dBV/m	Grid 9 M4 21.39 dBV/m



0 dB = 20.82 V/m = 26.37 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 - SN2540; ConvF(1, 1, 1); Calibrated: 8/26/2014;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1259; Calibrated: 1/14/2015
- 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 = 7.370 V/m; Power Drift = -0.63 dB

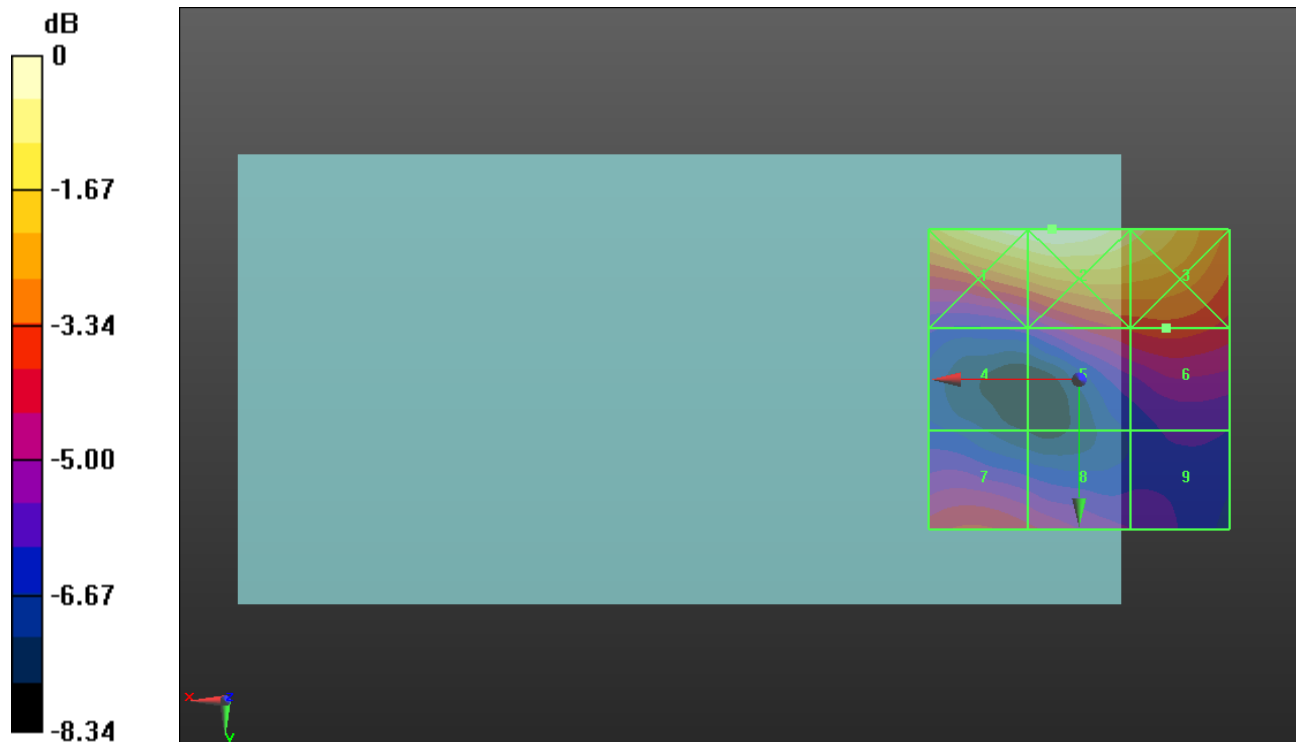
Applied MIF = 3.63 dB

RF audio interference level = 24.83 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 28.27 dBV/m	Grid 2 M4 28.41 dBV/m	Grid 3 M4 27.57 dBV/m
Grid 4 M4 22.68 dBV/m	Grid 5 M4 24.63 dBV/m	Grid 6 M4 24.83 dBV/m
Grid 7 M4 24.66 dBV/m	Grid 8 M4 24.17 dBV/m	Grid 9 M4 22.87 dBV/m



0 dB = 26.34 V/m = 28.41 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 - SN2540; ConvF(1, 1, 1); Calibrated: 8/26/2014;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1259; Calibrated: 1/14/2015
- 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 = 8.730 V/m; Power Drift = -0.16 dB

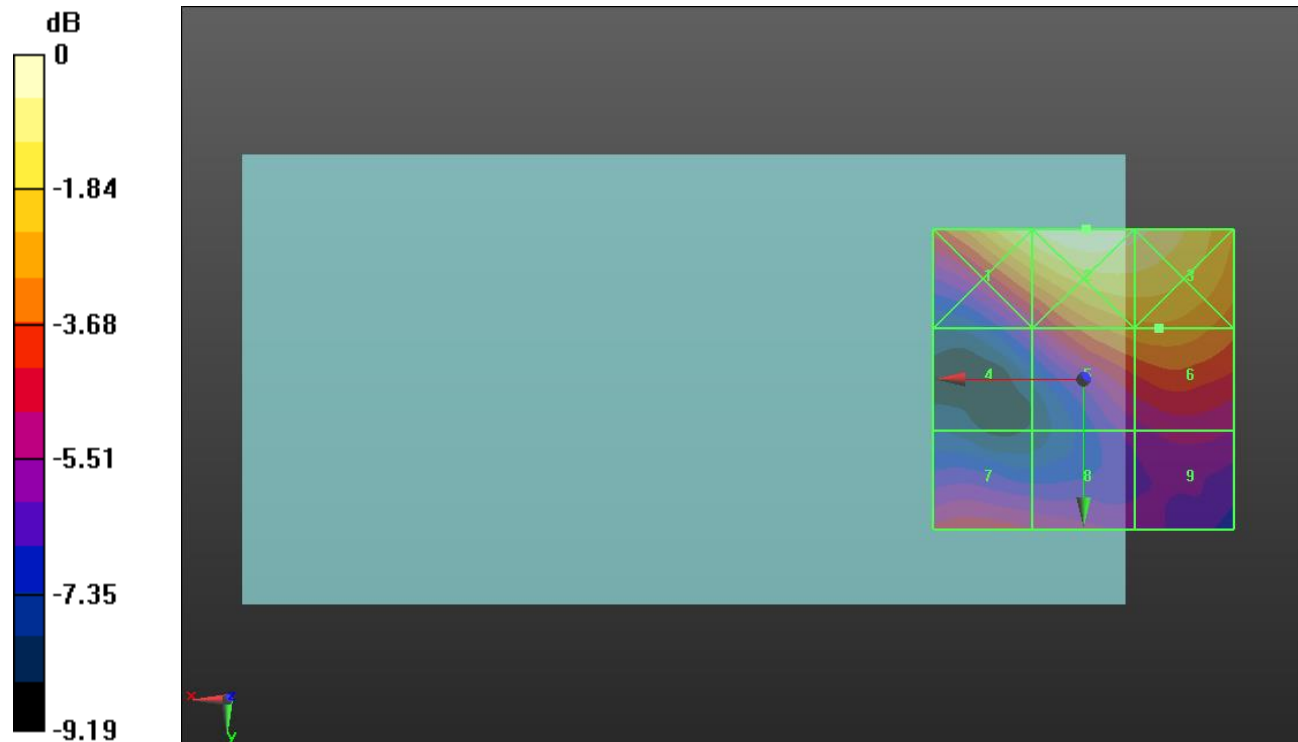
Applied MIF = 3.63 dB

RF audio interference level = 25.71 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 27.66 dBV/m	Grid 2 M4 28.29 dBV/m	Grid 3 M4 27.88 dBV/m
Grid 4 M4 22.88 dBV/m	Grid 5 M4 25.61 dBV/m	Grid 6 M4 25.71 dBV/m
Grid 7 M4 23.88 dBV/m	Grid 8 M4 23.48 dBV/m	Grid 9 M4 23.08 dBV/m



0 dB = 25.97 V/m = 28.29 dBV/m