

HAC-RFE GSM 850

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

Phantom section: TCoil 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 = 63.85 V/m; Power Drift = 1.55 dB

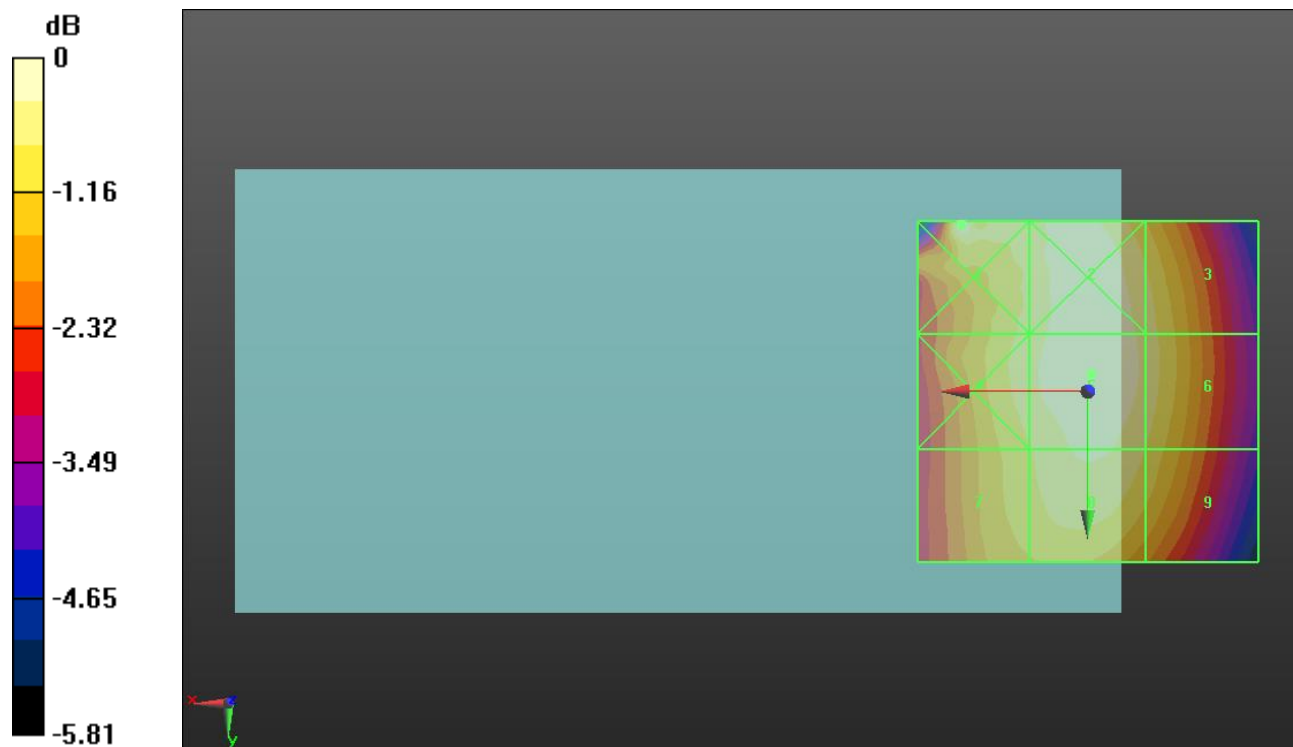
Applied MIF = 3.63 dB

RF audio interference level = 39.18 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 39.24 dBV/m	Grid 2 M4 39.12 dBV/m	Grid 3 M4 38.69 dBV/m
Grid 4 M4 38.75 dBV/m	Grid 5 M4 39.18 dBV/m	Grid 6 M4 38.75 dBV/m
Grid 7 M4 38.44 dBV/m	Grid 8 M4 38.91 dBV/m	Grid 9 M4 38.45 dBV/m



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

HAC-RFE GSM 850

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

Phantom section: TCoil 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 = 82.53 V/m; Power Drift = -0.02 dB

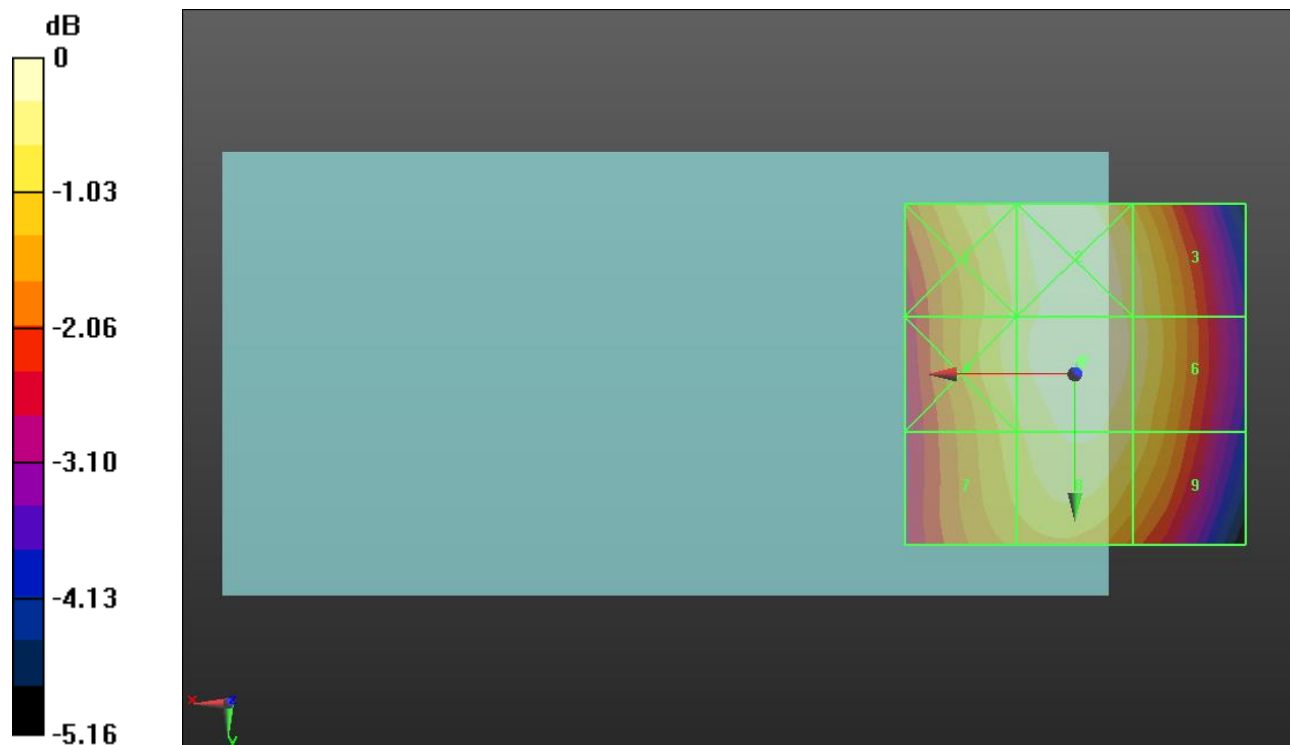
Applied MIF = 3.63 dB

RF audio interference level = 39.90 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 39.52 dBV/m	Grid 2 M4 39.84 dBV/m	Grid 3 M4 39.44 dBV/m
Grid 4 M4 39.44 dBV/m	Grid 5 M4 39.9 dBV/m	Grid 6 M4 39.52 dBV/m
Grid 7 M4 39.13 dBV/m	Grid 8 M4 39.62 dBV/m	Grid 9 M4 39.2 dBV/m



0 dB = 98.88 V/m = 39.90 dBV/m

HAC-RFE GSM 850

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

Phantom section: TCoil 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 = 77.07 V/m; Power Drift = 0.03 dB

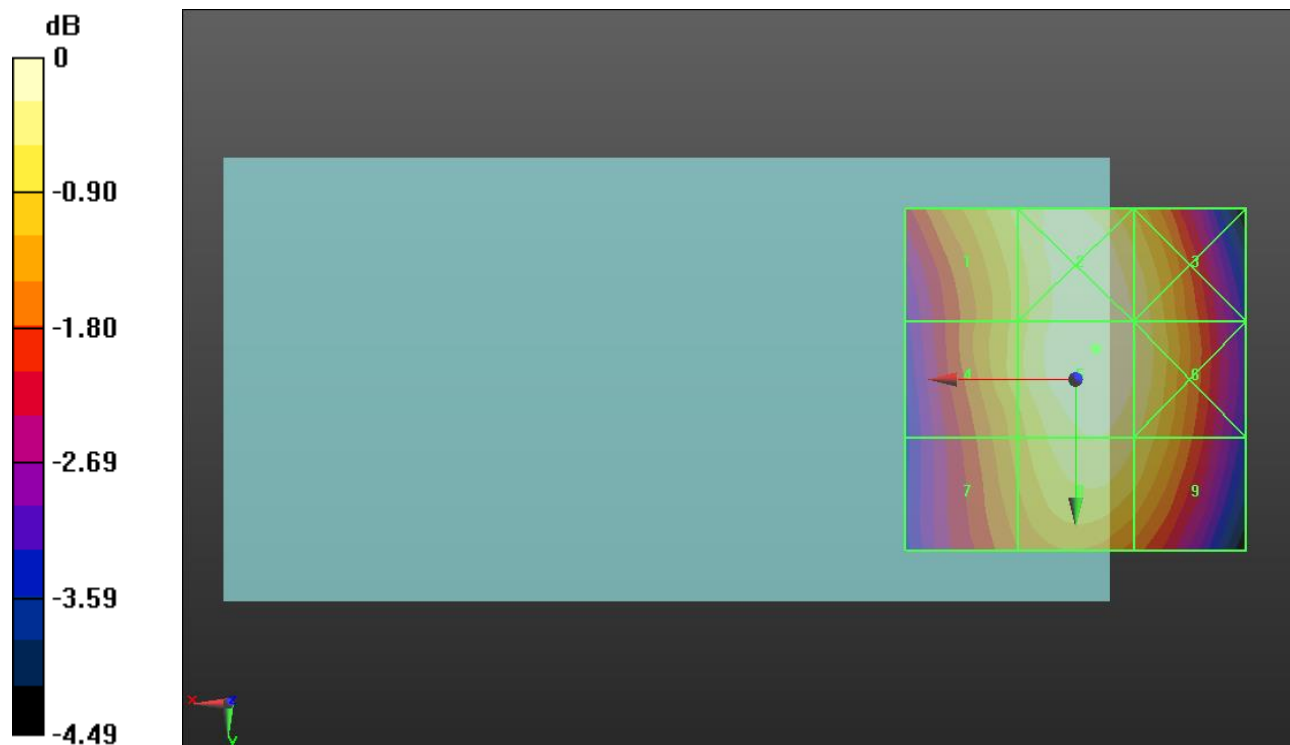
Applied MIF = 3.63 dB

RF audio interference level = 39.35 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 38.84 dBV/m	Grid 2 M4 39.31 dBV/m	Grid 3 M4 39.05 dBV/m
Grid 4 M4 38.65 dBV/m	Grid 5 M4 39.35 dBV/m	Grid 6 M4 39.1 dBV/m
Grid 7 M4 38.31 dBV/m	Grid 8 M4 39.05 dBV/m	Grid 9 M4 38.81 dBV/m



0 dB = 92.78 V/m = 39.35 dBV/m

HAC-RFE GSM 1900

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

Phantom section: TCoil 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 = 25.37 V/m; Power Drift = -0.36 dB

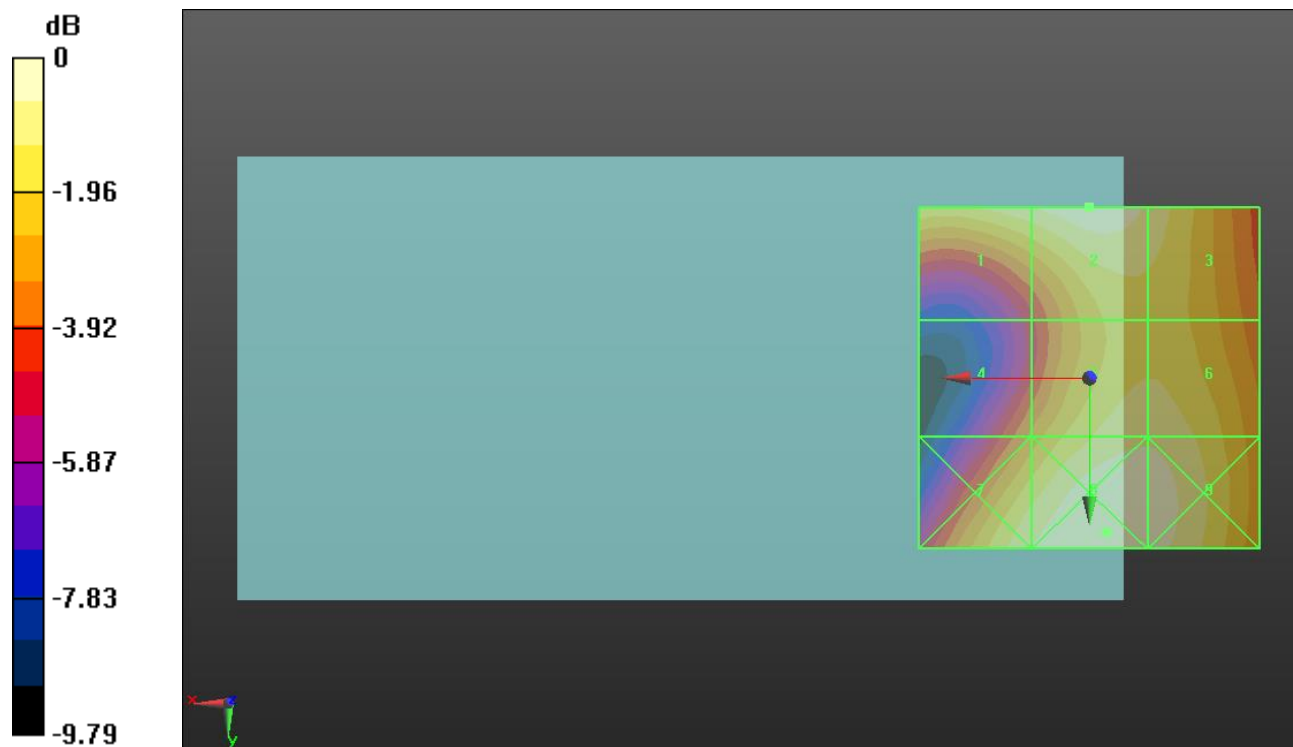
Applied MIF = 3.63 dB

RF audio interference level = 31.56 dBV/m

Emission category: M3

MIF scaled E-field

Grid 1 M3 30.95 dBV/m	Grid 2 M3 31.56 dBV/m	Grid 3 M3 30.87 dBV/m
Grid 4 M4 28.59 dBV/m	Grid 5 M3 30.85 dBV/m	Grid 6 M3 30.85 dBV/m
Grid 7 M3 30.98 dBV/m	Grid 8 M3 31.62 dBV/m	Grid 9 M3 31.41 dBV/m



0 dB = 38.12 V/m = 31.62 dBV/m

HAC-RFE GSM 1900

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

Phantom section: TCoil 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 = 23.75 V/m; Power Drift = 0.06 dB

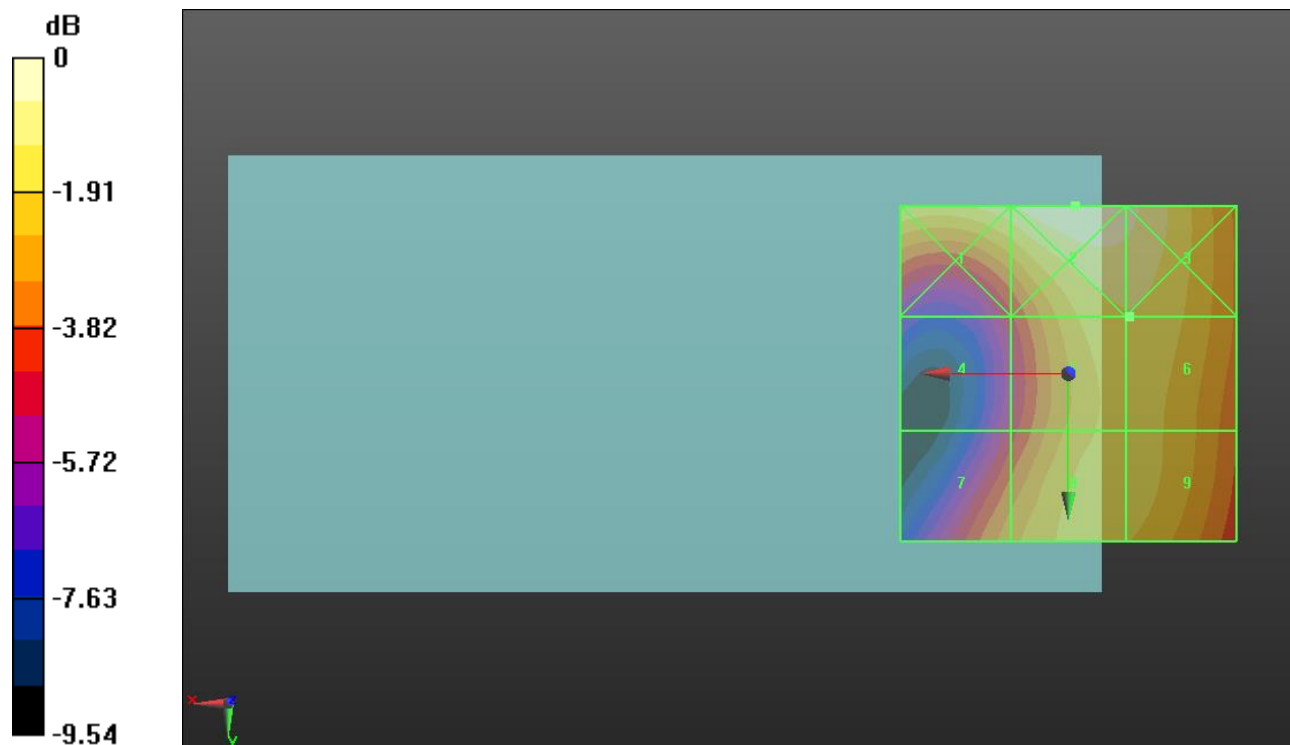
Applied MIF = 3.63 dB

RF audio interference level = 30.64 dBV/m

Emission category: M3

MIF scaled E-field

Grid 1 M3 31.28 dBV/m	Grid 2 M3 31.96 dBV/m	Grid 3 M3 31.57 dBV/m
Grid 4 M4 27.42 dBV/m	Grid 5 M3 30.64 dBV/m	Grid 6 M3 30.64 dBV/m
Grid 7 M4 29.26 dBV/m	Grid 8 M3 30.45 dBV/m	Grid 9 M3 30.4 dBV/m



0 dB = 39.62 V/m = 31.96 dBV/m

HAC-RFE GSM 1900

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

Phantom section: TCoil 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 = 24.77 V/m; Power Drift = -0.21 dB

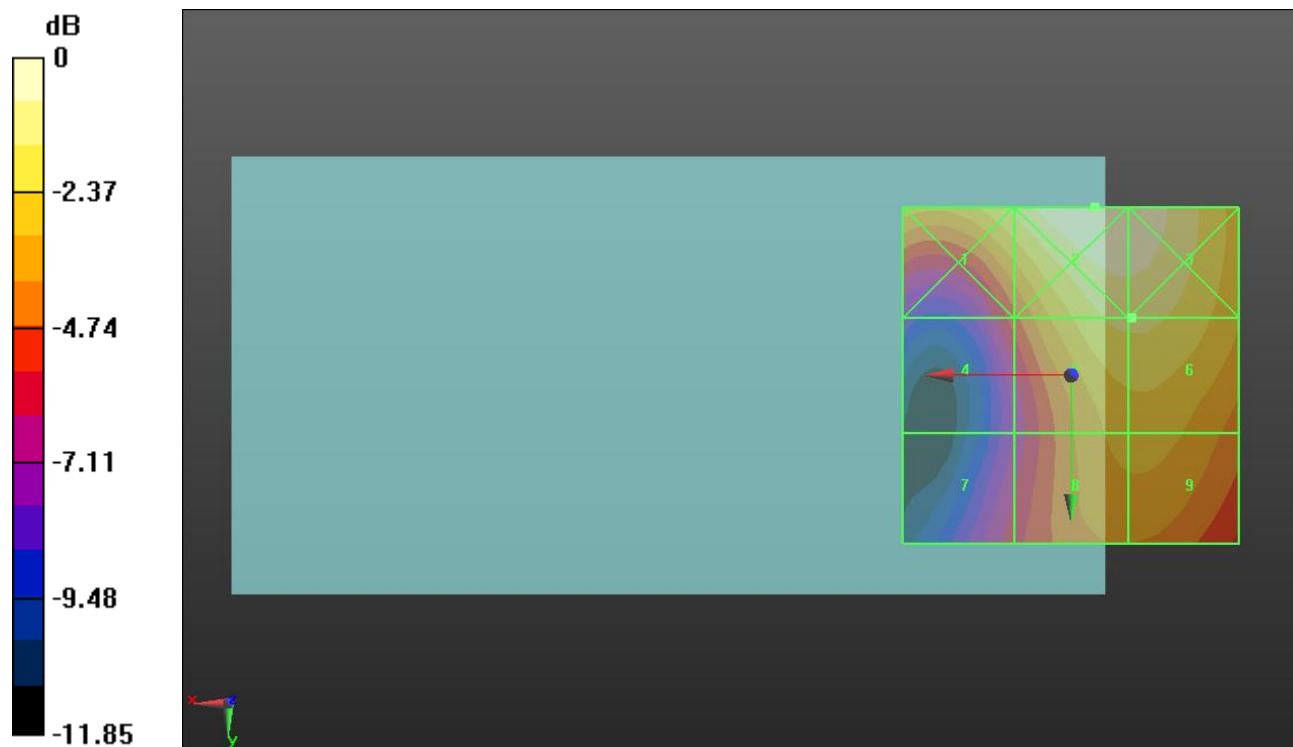
Applied MIF = 3.63 dB

RF audio interference level = 31.23 dBV/m

Emission category: M3

MIF scaled E-field

Grid 1 M3 31.3 dBV/m	Grid 2 M3 32.61 dBV/m	Grid 3 M3 32.48 dBV/m
Grid 4 M4 27.57 dBV/m	Grid 5 M3 31.23 dBV/m	Grid 6 M3 31.23 dBV/m
Grid 7 M4 26.82 dBV/m	Grid 8 M4 29.76 dBV/m	Grid 9 M4 29.81 dBV/m



0 dB = 42.70 V/m = 32.61 dBV/m