

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 - SN2509; ConvF(1, 1, 1); Calibrated: 5/14/2015;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1257; Calibrated: 9/16/2015
- 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 = 84.37 V/m; Power Drift = 0.04 dB

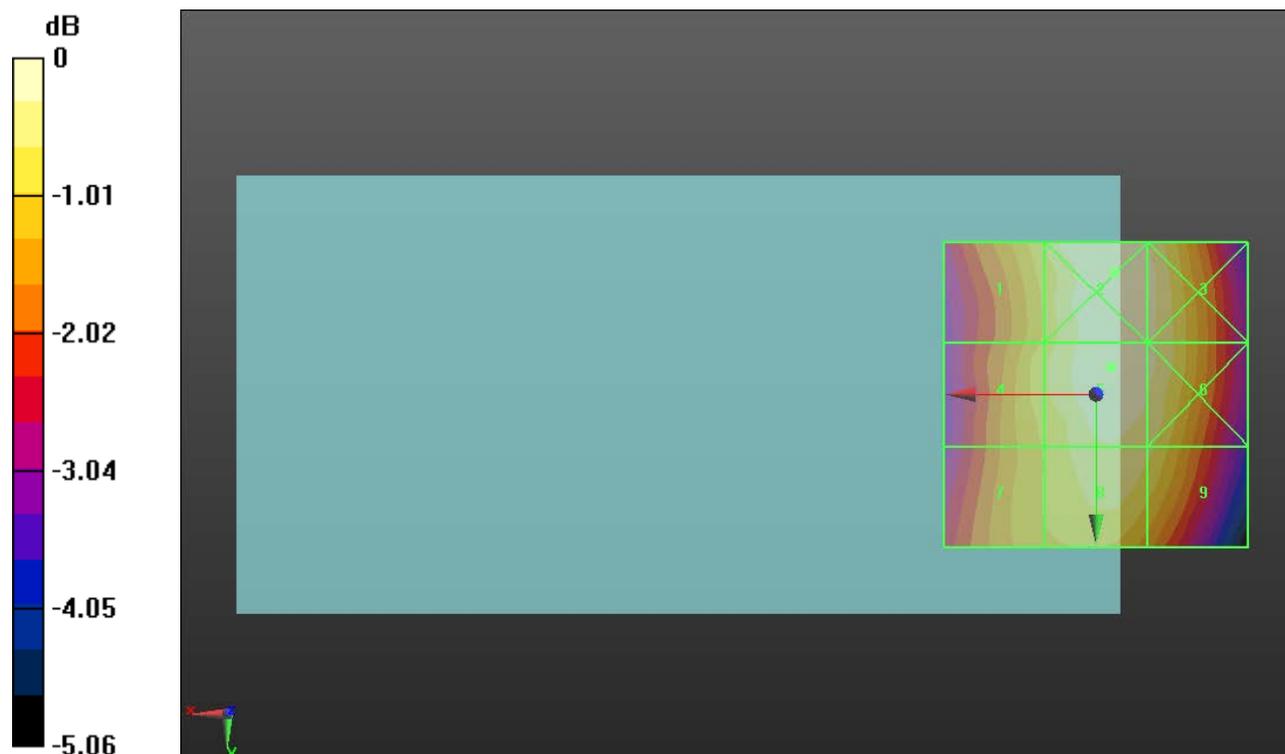
Applied MIF = 3.63 dB

RF audio interference level = 40.34 dBV/m

Emission category: M3

MIF scaled E-field

Grid 1 M4 39.73 dBV/m	Grid 2 M3 40.36 dBV/m	Grid 3 M3 40.15 dBV/m
Grid 4 M4 39.64 dBV/m	Grid 5 M3 40.34 dBV/m	Grid 6 M3 40.14 dBV/m
Grid 7 M4 39.39 dBV/m	Grid 8 M3 40.01 dBV/m	Grid 9 M4 39.78 dBV/m



0 dB = 104.2 V/m = 40.36 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 - SN2509; ConvF(1, 1, 1); Calibrated: 5/14/2015;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1257; Calibrated: 9/16/2015
- 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 = 68.00 V/m; Power Drift = -0.26 dB

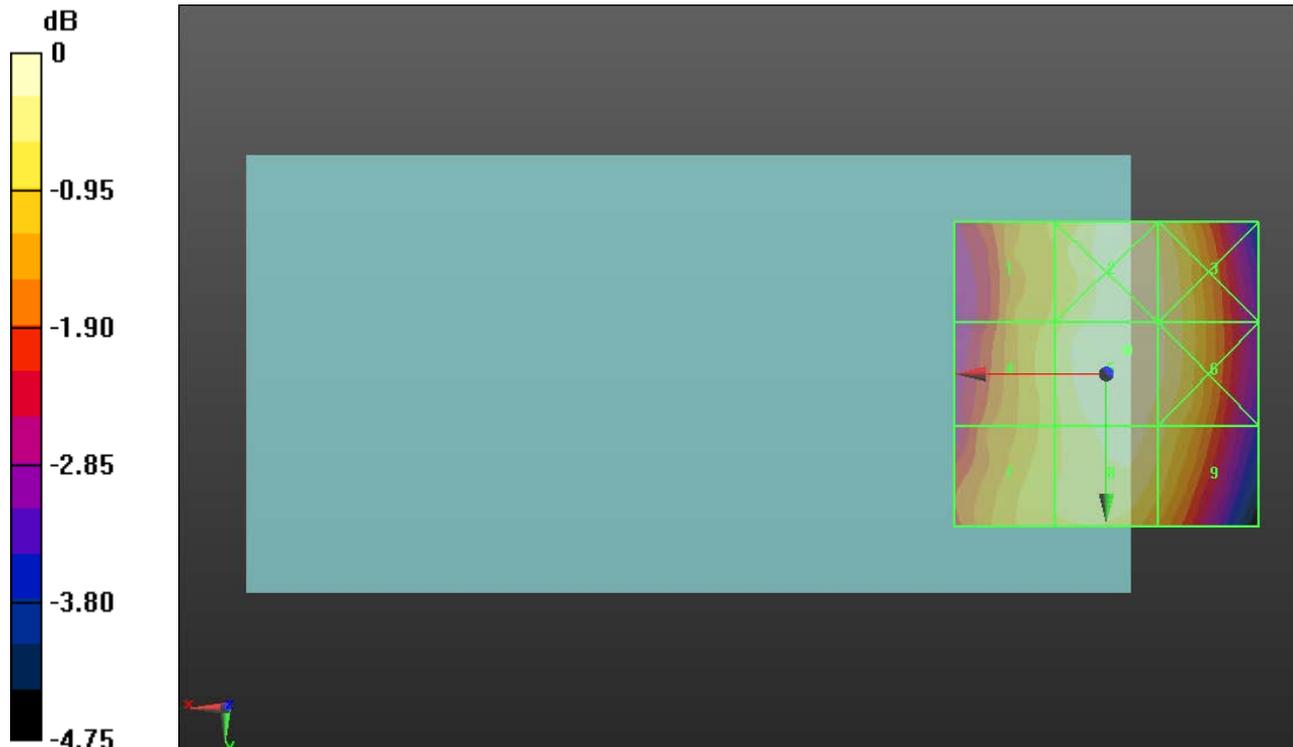
Applied MIF = 3.63 dB

RF audio interference level = 38.20 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 37.4 dBV/m	Grid 2 M4 38.14 dBV/m	Grid 3 M4 37.97 dBV/m
Grid 4 M4 37.61 dBV/m	Grid 5 M4 38.2 dBV/m	Grid 6 M4 37.98 dBV/m
Grid 7 M4 37.57 dBV/m	Grid 8 M4 38.01 dBV/m	Grid 9 M4 37.71 dBV/m



0 dB = 81.24 V/m = 38.20 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 - SN2509; ConvF(1, 1, 1); Calibrated: 5/14/2015;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1257; Calibrated: 9/16/2015
- 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 = 61.23 V/m; Power Drift = -0.10 dB

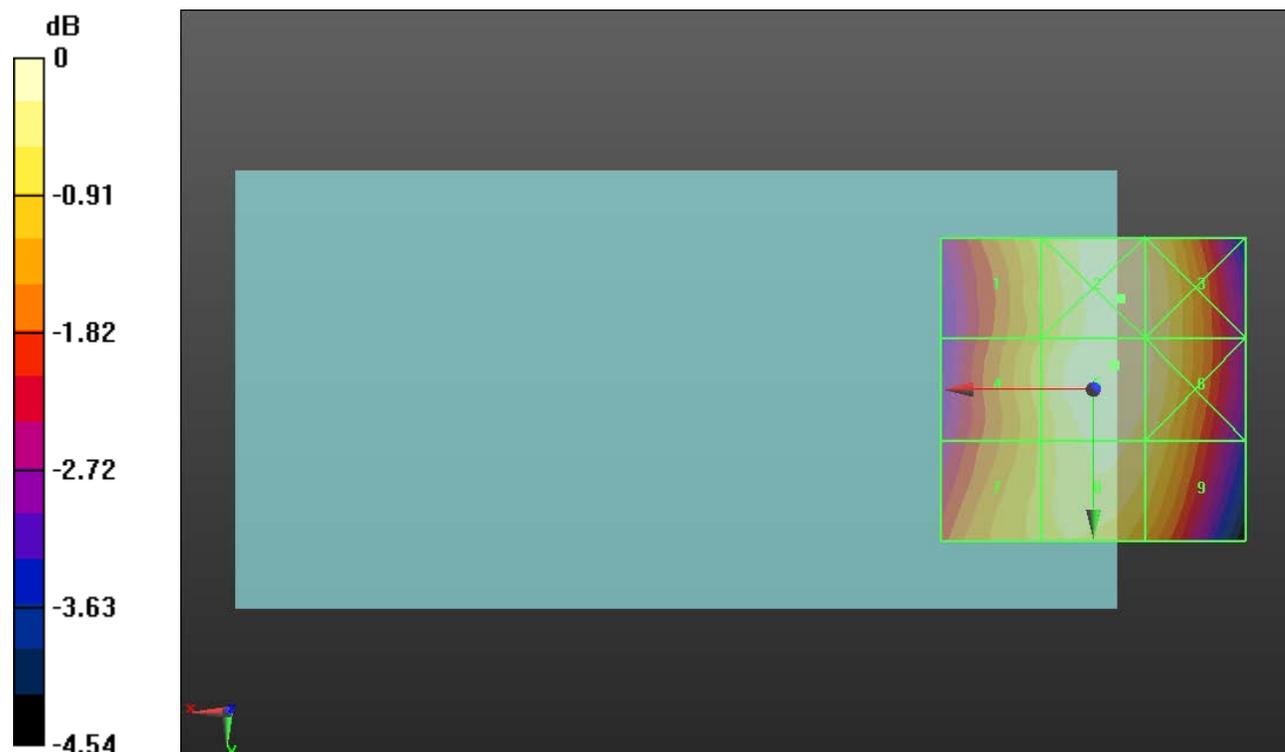
Applied MIF = 3.63 dB

RF audio interference level = 37.27 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 36.56 dBV/m	Grid 2 M4 37.29 dBV/m	Grid 3 M4 37.08 dBV/m
Grid 4 M4 36.6 dBV/m	Grid 5 M4 37.27 dBV/m	Grid 6 M4 37.1 dBV/m
Grid 7 M4 36.53 dBV/m	Grid 8 M4 37.06 dBV/m	Grid 9 M4 36.84 dBV/m



0 dB = 73.18 V/m = 37.29 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 - SN2509; ConvF(1, 1, 1); Calibrated: 5/14/2015;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1257; Calibrated: 9/16/2015
- 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 = 16.14 V/m; Power Drift = -0.35 dB

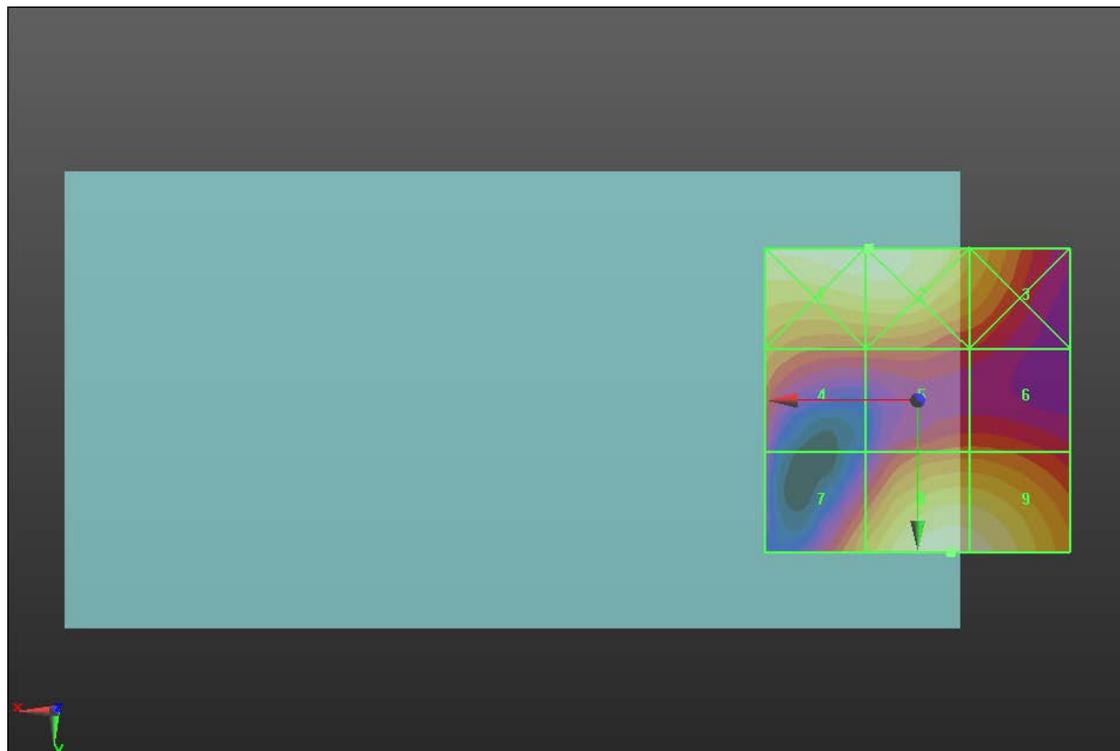
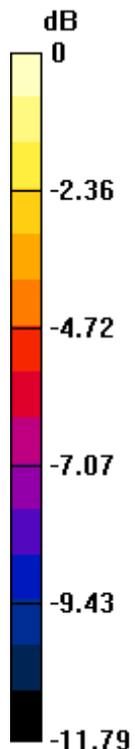
Applied MIF = 3.63 dB

RF audio interference level = 31.54 dBV/m

Emission category: M3

MIF scaled E-field

Grid 1 M3 31.7 dBV/m	Grid 2 M3 31.7 dBV/m	Grid 3 M4 29.43 dBV/m
Grid 4 M4 28.29 dBV/m	Grid 5 M4 27.39 dBV/m	Grid 6 M4 27.39 dBV/m
Grid 7 M4 28.82 dBV/m	Grid 8 M3 31.54 dBV/m	Grid 9 M3 31.41 dBV/m



0 dB = 38.47 V/m = 31.70 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 - SN2509; ConvF(1, 1, 1); Calibrated: 5/14/2015;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1257; Calibrated: 9/16/2015
- 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 = 21.22 V/m; Power Drift = 0.46 dB

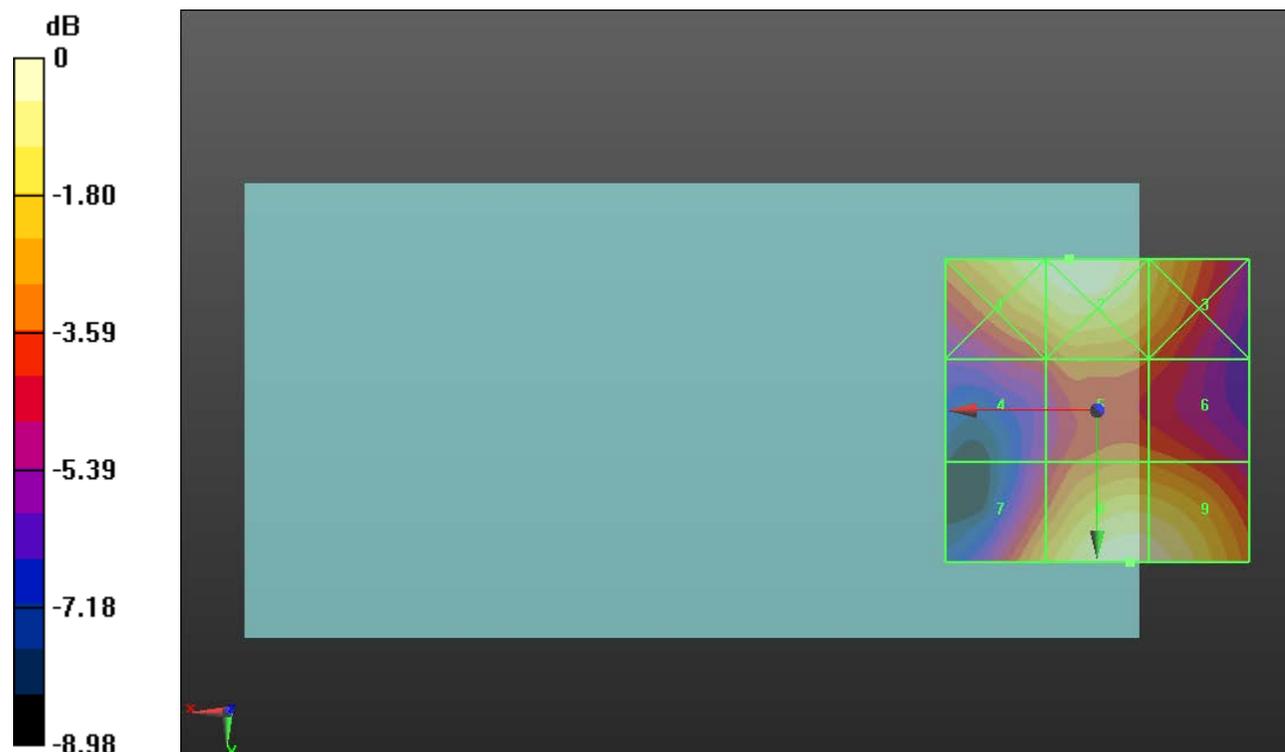
Applied MIF = 3.63 dB

RF audio interference level = 31.64 dBV/m

Emission category: M3

MIF scaled E-field

Grid 1 M3 31.42 dBV/m	Grid 2 M3 31.7 dBV/m	Grid 3 M3 30.29 dBV/m
Grid 4 M4 27.93 dBV/m	Grid 5 M4 28.83 dBV/m	Grid 6 M4 28.64 dBV/m
Grid 7 M4 29.69 dBV/m	Grid 8 M3 31.64 dBV/m	Grid 9 M3 31.5 dBV/m



0 dB = 38.48 V/m = 31.70 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 - SN2509; ConvF(1, 1, 1); Calibrated: 5/14/2015;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1257; Calibrated: 9/16/2015
- 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) .3131

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 = 18.91 V/m; Power Drift = -0.51 dB

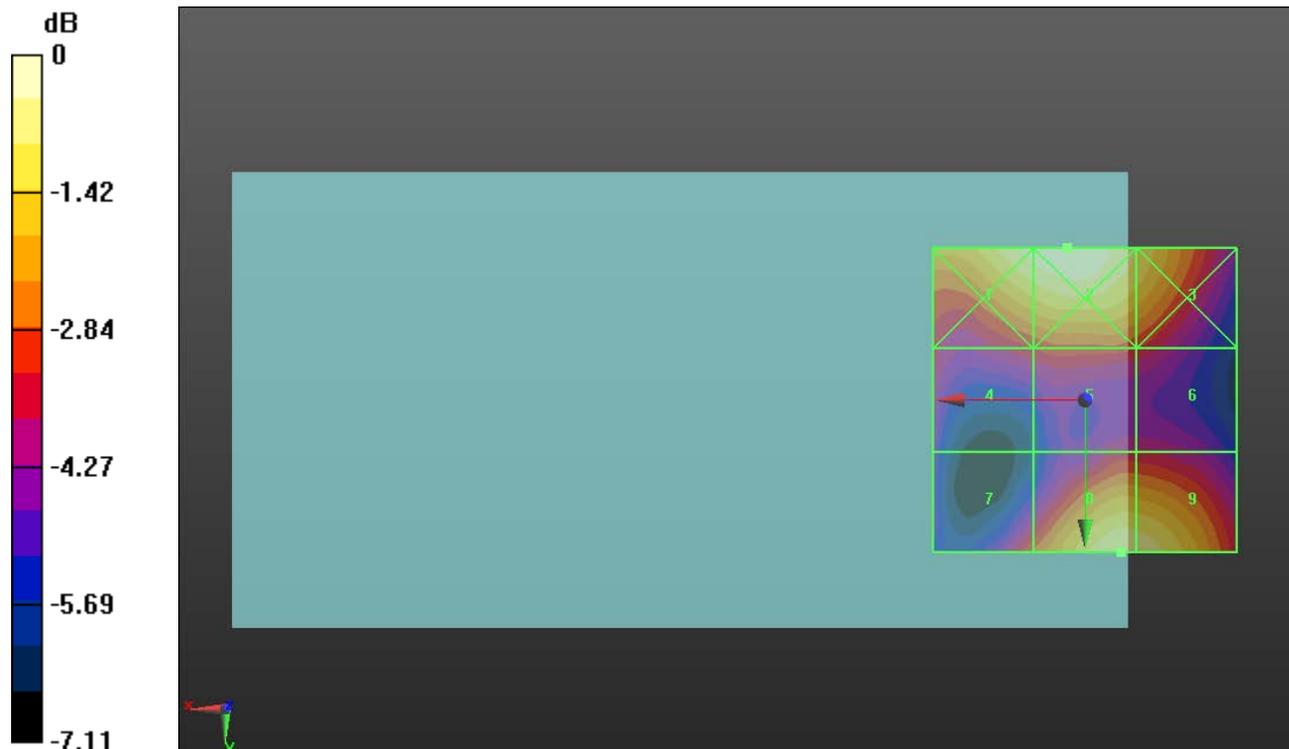
Applied MIF = 3.63 dB

RF audio interference level = 30.88 dBV/m

Emission category: M3

MIF scaled E-field

Grid 1 M3 31.05 dBV/3m	Grid 2 M3 31.27 dBV/m	Grid 3 M3 30.32 dBV/m
Grid 4 M4 27.98 dBV/m	Grid 5 M4 28.31 dBV/m	Grid 6 M4 27.97 dBV/m
Grid 7 M4 28.54 dBV/m	Grid 8 M3 30.88 dBV/m	Grid 9 M3 30.76 dBV/m



0 dB = 36.61 V/m = 31.27 dBV/m