

GSM 850

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

Phantom section: RF Section

DASY5 Configuration:

- Probe: EF3DV3 - SN4064; ConvF(1, 1, 1); Calibrated: 2018-11-15;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn614; Calibrated: 2018-06-22
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

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 = 18.75 V/m; Power Drift = 0.15 dB

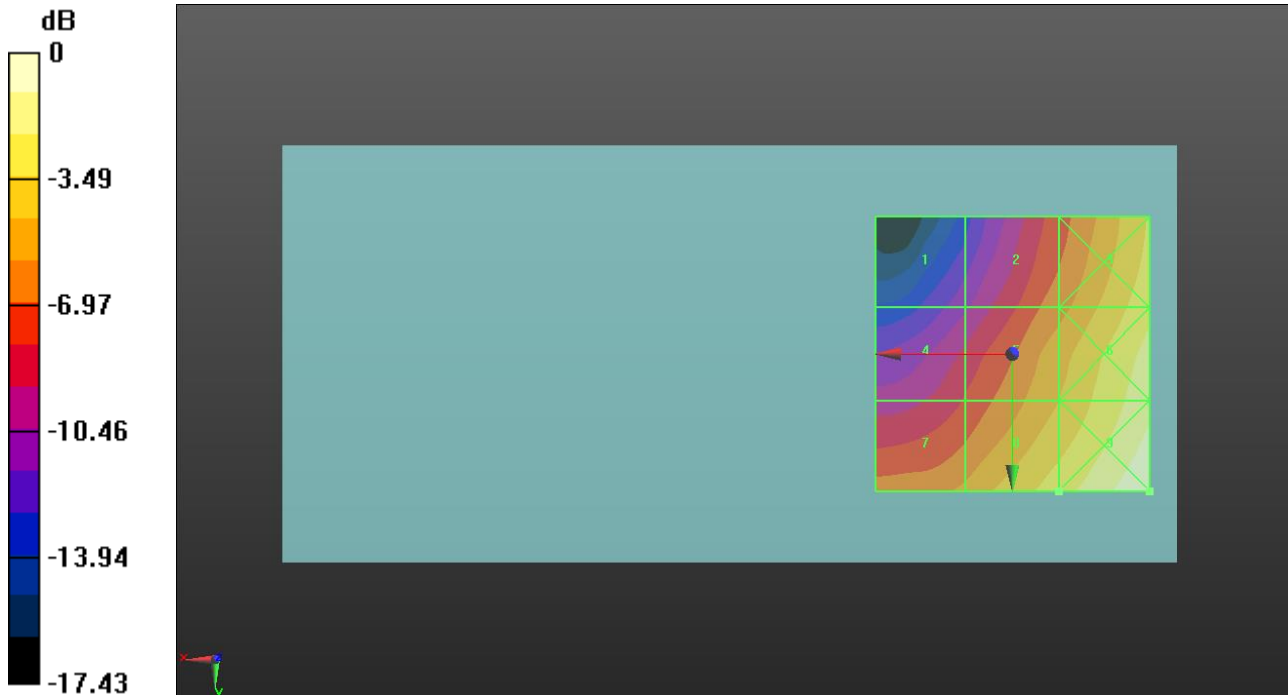
Applied MIF = 3.63 dB

RF audio interference level = 31.91 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 24.12 dBV/m	Grid 2 M4 28.49 dBV/m	Grid 3 M4 32.17 dBV/m
Grid 4 M4 26.75 dBV/m	Grid 5 M4 30.1 dBV/m	Grid 6 M4 33.29 dBV/m
Grid 7 M4 29.25 dBV/m	Grid 8 M4 31.91 dBV/m	Grid 9 M4 34.71 dBV/m



0 dB = 54.41 V/m = 34.71 dBV/m

GSM 850

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

Phantom section: RF Section

DASY5 Configuration:

- Probe: EF3DV3 - SN4064; ConvF(1, 1, 1); Calibrated: 2018-11-15;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn614; Calibrated: 2018-06-22
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

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 = 17.75 V/m; Power Drift = -0.06 dB

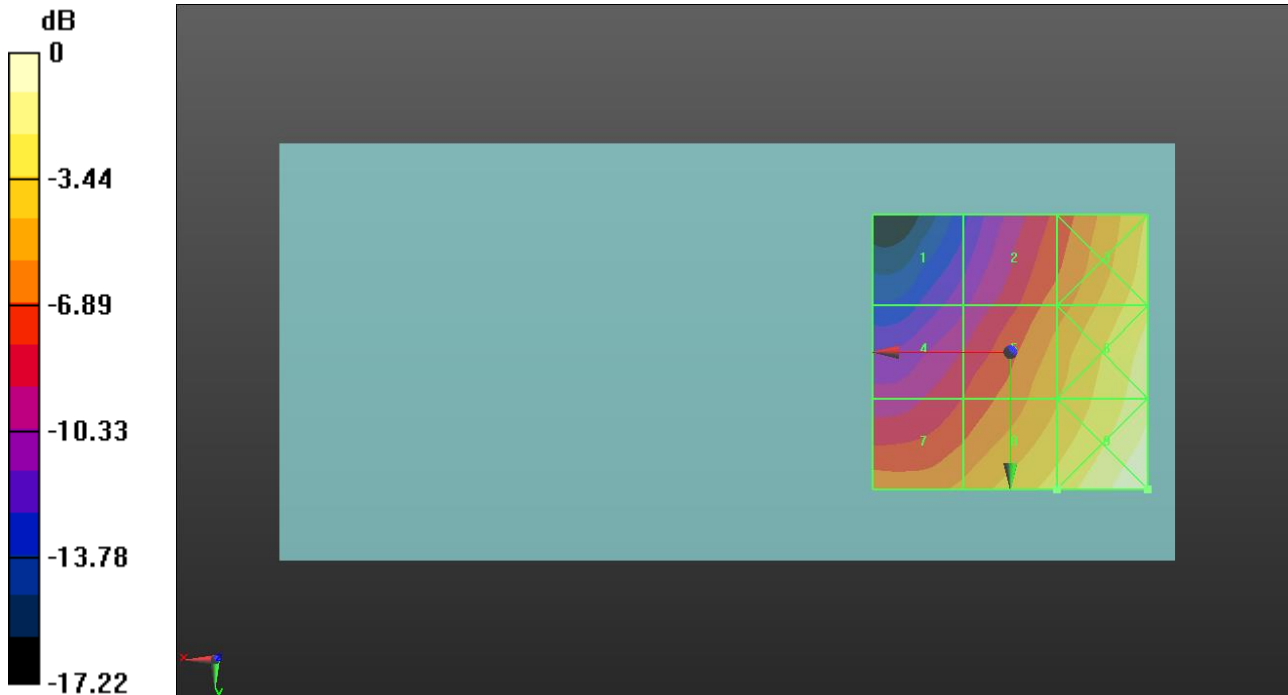
Applied MIF = 3.63 dB

RF audio interference level = 31.25 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 23.61 dBV/m	Grid 2 M4 27.82 dBV/m	Grid 3 M4 31.61 dBV/m
Grid 4 M4 26.17 dBV/m	Grid 5 M4 29.45 dBV/m	Grid 6 M4 32.73 dBV/m
Grid 7 M4 28.75 dBV/m	Grid 8 M4 31.25 dBV/m	Grid 9 M4 34.11 dBV/m



0 dB = 50.76 V/m = 34.11 dBV/m

GSM 850

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

Phantom section: RF Section

DASY5 Configuration:

- Probe: EF3DV3 - SN4064; ConvF(1, 1, 1); Calibrated: 2018-11-15;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn614; Calibrated: 2018-06-22
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

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 = 17.31 V/m; Power Drift = -0.00 dB

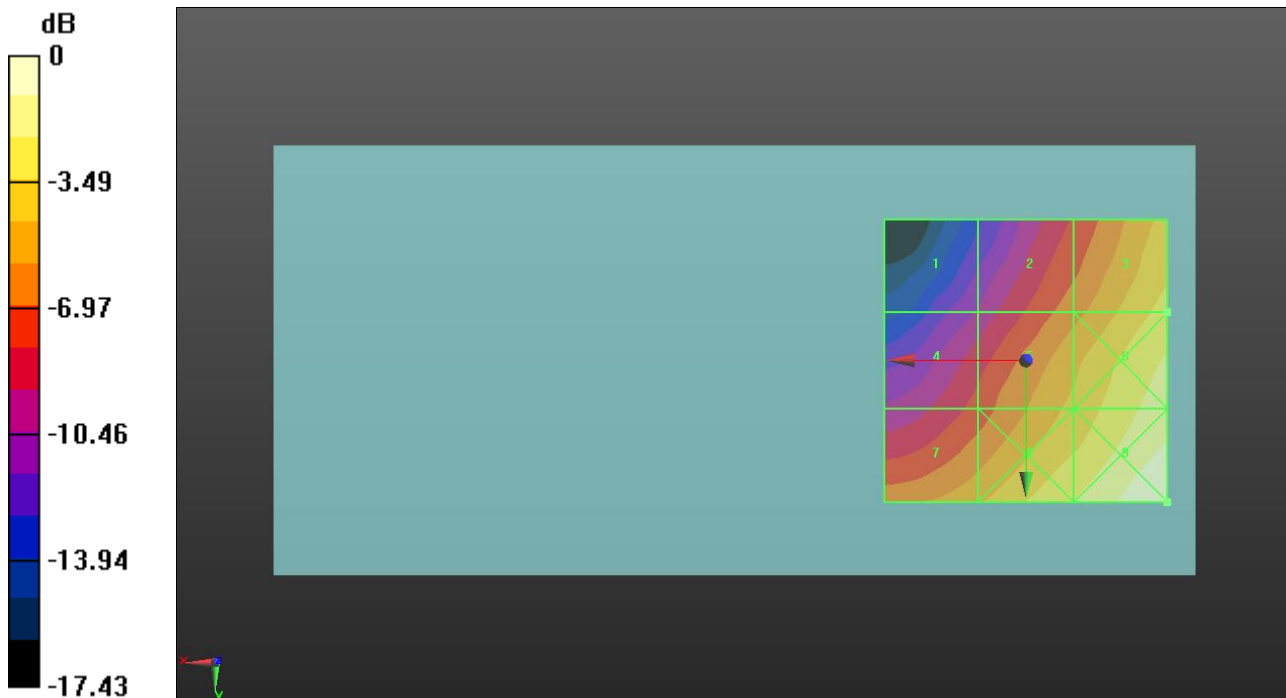
Applied MIF = 3.63 dB

RF audio interference level = 30.68 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 23.44 dBV/m	Grid 2 M4 27.48 dBV/m	Grid 3 M4 30.68 dBV/m
Grid 4 M4 26.07 dBV/m	Grid 5 M4 29.4 dBV/m	Grid 6 M4 32.02 dBV/m
Grid 7 M4 28.88 dBV/m	Grid 8 M4 31.39 dBV/m	Grid 9 M4 33.67 dBV/m



0 dB = 48.25 V/m = 33.67 dBV/m

GSM 1900

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

Phantom section: RF Section

DASY5 Configuration:

- Probe: EF3DV3 - SN4064; ConvF(1, 1, 1); Calibrated: 2018-11-15;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn614; Calibrated: 2018-06-22
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

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 = 5.158 V/m; Power Drift = -0.01 dB

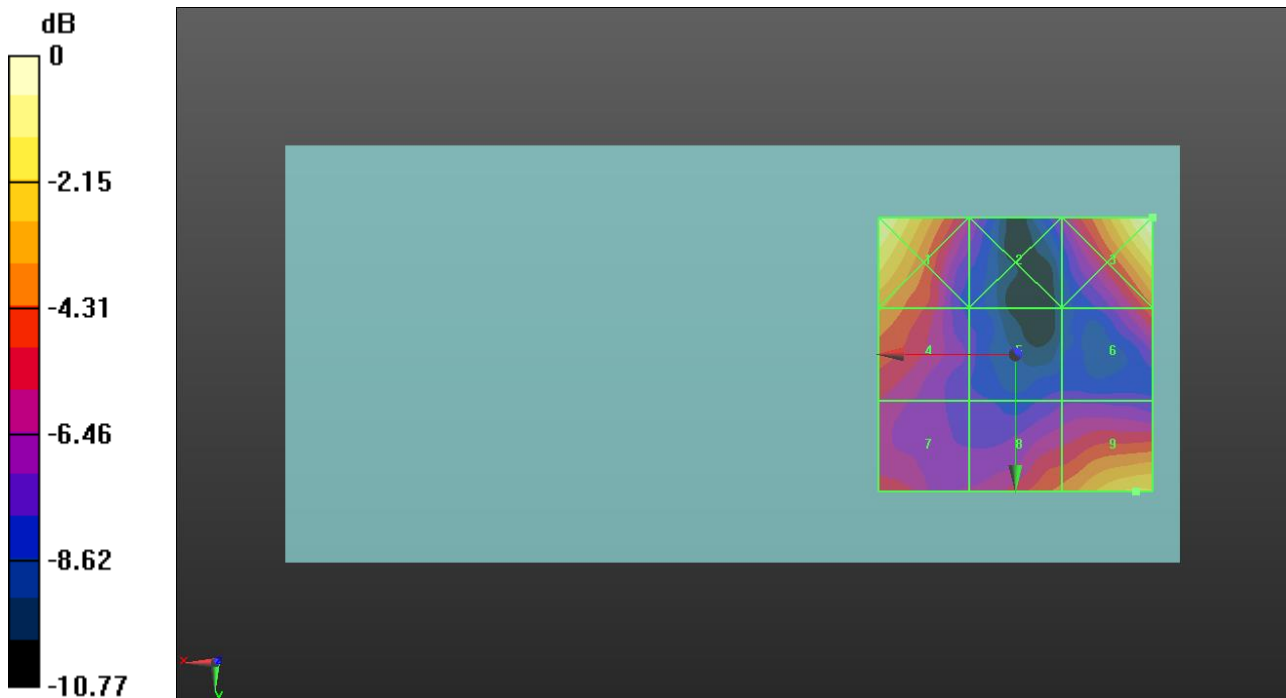
Applied MIF = 3.63 dB

RF audio interference level = 23.48 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 25.11 dBV/m	Grid 2 M4 19.27 dBV/m	Grid 3 M4 25.48 dBV/m
Grid 4 M4 22.07 dBV/m	Grid 5 M4 18.11 dBV/m	Grid 6 M4 21.15 dBV/m
Grid 7 M4 20.35 dBV/m	Grid 8 M4 21.46 dBV/m	Grid 9 M4 23.48 dBV/m



0 dB = 18.79 V/m = 25.48 dBV/m

GSM 1900

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

Phantom section: RF Section

DASY5 Configuration:

- Probe: EF3DV3 - SN4064; ConvF(1, 1, 1); Calibrated: 2018-11-15;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn614; Calibrated: 2018-06-22
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

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 = 5.652 V/m; Power Drift = -0.01 dB

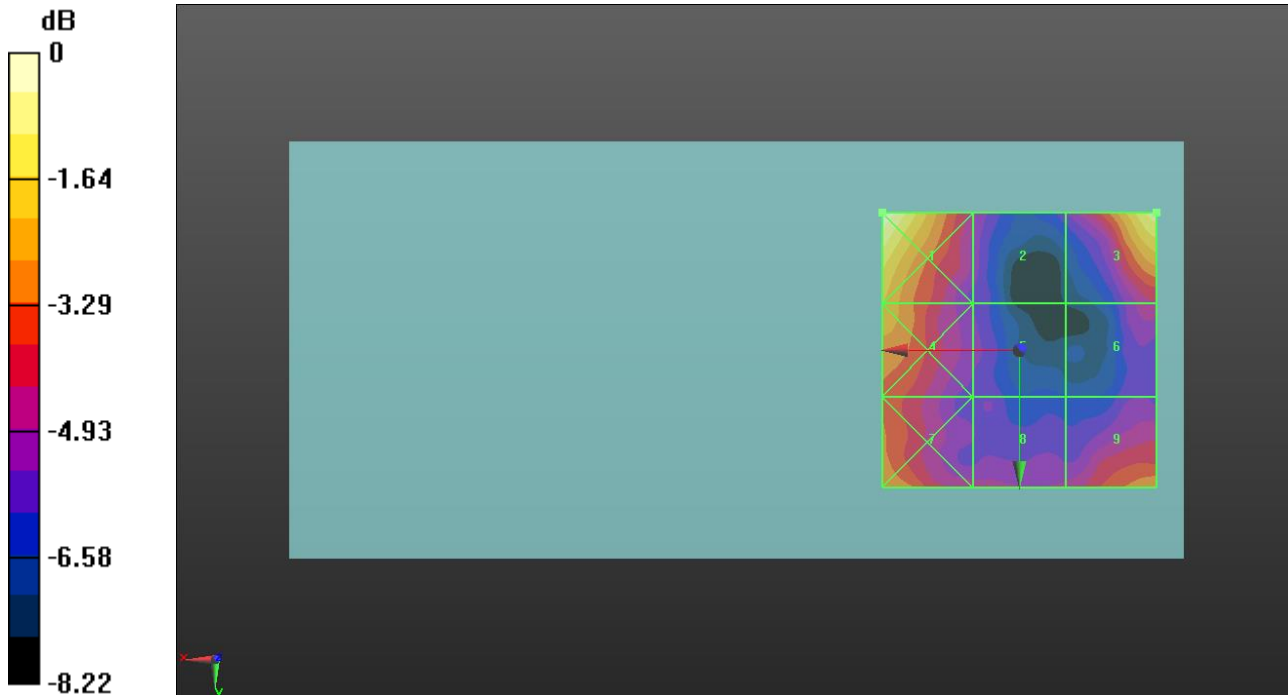
Applied MIF = 3.63 dB

RF audio interference level = 24.18 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 24.88 dBV/m	Grid 2 M4 20.2 dBV/m	Grid 3 M4 24.18 dBV/m
Grid 4 M4 22.72 dBV/m	Grid 5 M4 19.63 dBV/m	Grid 6 M4 20.41 dBV/m
Grid 7 M4 22.21 dBV/m	Grid 8 M4 20.47 dBV/m	Grid 9 M4 22.27 dBV/m



0 dB = 17.54 V/m = 24.88 dBV/m

GSM 1900

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

Phantom section: RF Section

DASY5 Configuration:

- Probe: EF3DV3 - SN4064; ConvF(1, 1, 1); Calibrated: 2018-11-15;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn614; Calibrated: 2018-06-22
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

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 = 5.614 V/m; Power Drift = 0.34 dB

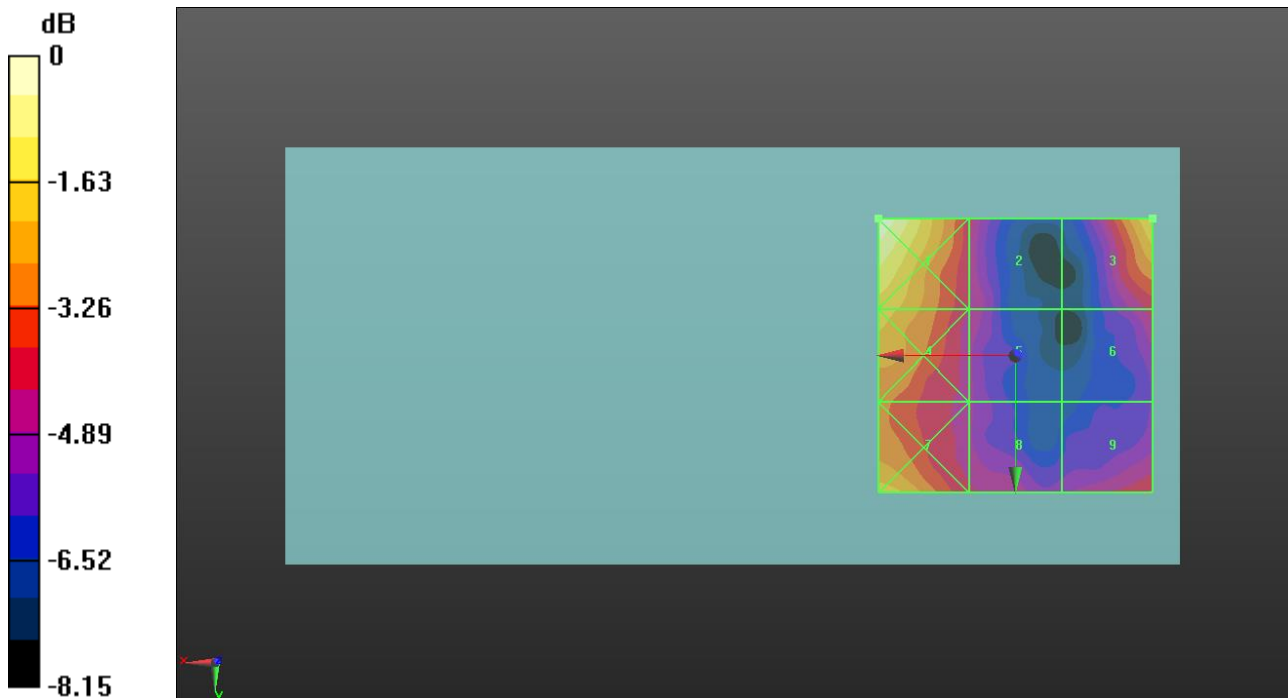
Applied MIF = 3.63 dB

RF audio interference level = 23.01 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 24.54 dBV/m	Grid 2 M4 20.49 dBV/m	Grid 3 M4 23.01 dBV/m
Grid 4 M4 22.7 dBV/m	Grid 5 M4 20.19 dBV/m	Grid 6 M4 20.52 dBV/m
Grid 7 M4 22.77 dBV/m	Grid 8 M4 20.37 dBV/m	Grid 9 M4 20.89 dBV/m



0 dB = 16.87 V/m = 24.54 dBV/m

LTE Band 41

Communication System: UID 10173 - CAG, LTE-TDD (SC-FDMA, 1 RB, 20 MHz, 16-QAM); Frequency: 2506 MHz; Duty Cycle: 1:8.87156

Phantom section: RF Section

DASY5 Configuration:

- Probe: EF3DV3 - SN4064; ConvF(1, 1, 1); Calibrated: 2018-11-15;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn614; Calibrated: 2018-06-22
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

LTE Band 41 E-Field measurement/Voice_ch 39750 RB 1/0/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 = -0.06 dB

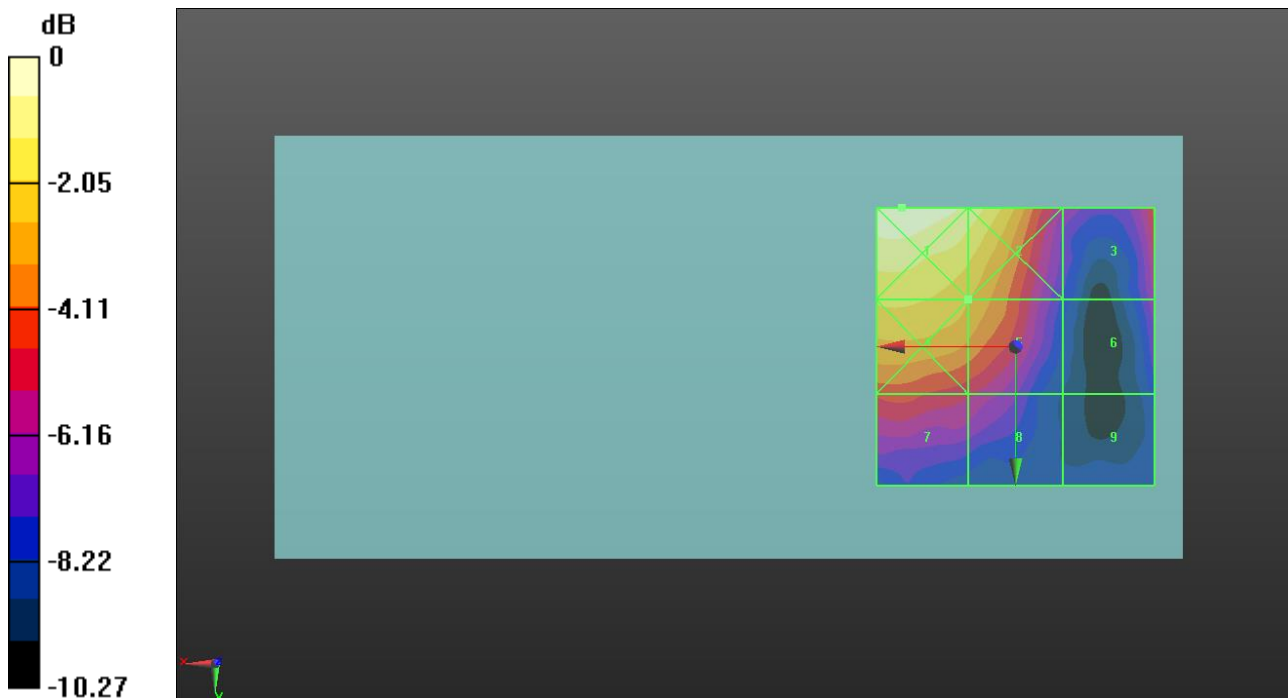
Applied MIF = -1.44 dB

RF audio interference level = 18.69 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 21.38 dBV/m	Grid 2 M4 20.49 dBV/m	Grid 3 M4 17.09 dBV/m
Grid 4 M4 19.49 dBV/m	Grid 5 M4 18.69 dBV/m	Grid 6 M4 15.35 dBV/m
Grid 7 M4 16.94 dBV/m	Grid 8 M4 16.07 dBV/m	Grid 9 M4 13.54 dBV/m



0 dB = 11.73 V/m = 21.39 dBV/m

LTE Band 41

Communication System: UID 10173 - CAG, LTE-TDD (SC-FDMA, 1 RB, 20 MHz, 16-QAM); Frequency: 2549.5 MHz; Duty Cycle: 1:8.87156

Phantom section: RF Section

DASY5 Configuration:

- Probe: EF3DV3 - SN4064; ConvF(1, 1, 1); Calibrated: 2018-11-15;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn614; Calibrated: 2018-06-22
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

LTE Band 41 E-Field measurement/Voice_ch 40185 RB 1/0/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 = 8.278 V/m; Power Drift = 0.13 dB

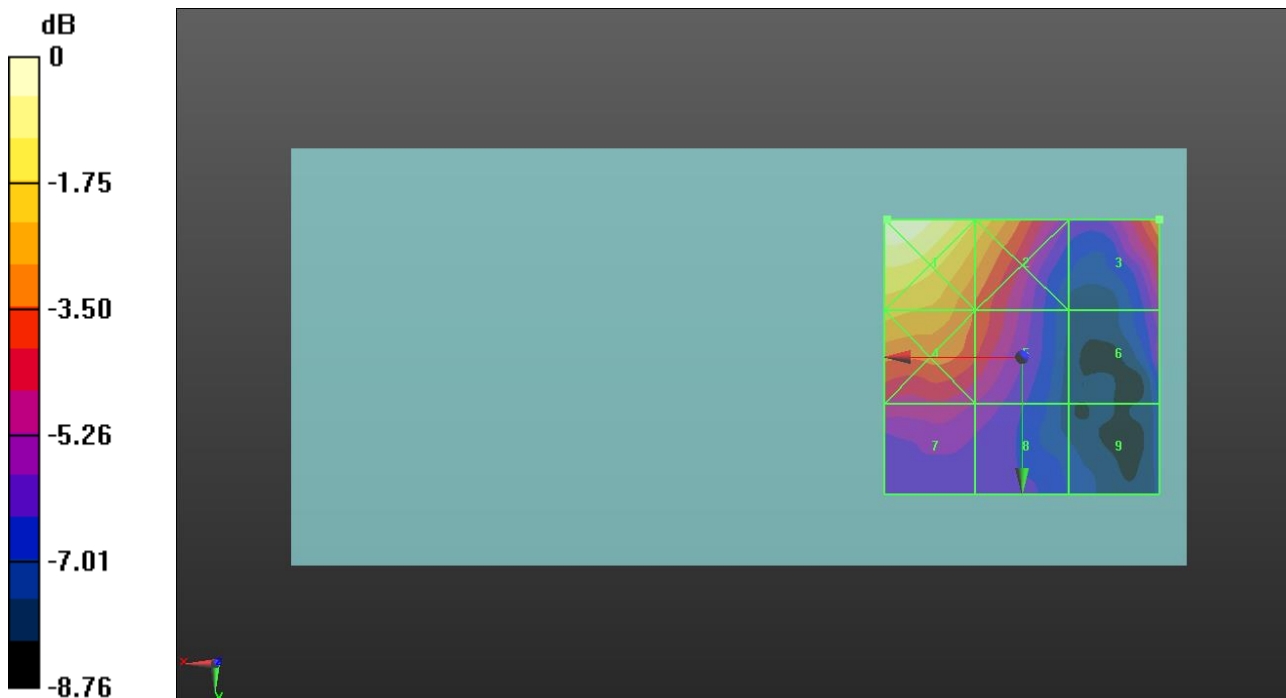
Applied MIF = -1.44 dB

RF audio interference level = 18.56 dBV/m

Emission category: **M4**

MIF scaled E-field

Grid 1 M4 21.34 dBV/m	Grid 2 M4 19.62 dBV/m	Grid 3 M4 18.56 dBV/m
Grid 4 M4 19.26 dBV/m	Grid 5 M4 17.76 dBV/m	Grid 6 M4 16.08 dBV/m
Grid 7 M4 16.61 dBV/m	Grid 8 M4 16.08 dBV/m	Grid 9 M4 14.41 dBV/m



0 dB = 11.67 V/m = 21.34 dBV/m

LTE Band 41

Communication System: UID 10173 - CAG, LTE-TDD (SC-FDMA, 1 RB, 20 MHz, 16-QAM); Frequency: 2593 MHz; Duty Cycle: 1:8.87156

Phantom section: RF Section

DASY5 Configuration:

- Probe: EF3DV3 - SN4064; ConvF(1, 1, 1); Calibrated: 2018-11-15;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn614; Calibrated: 2018-06-22
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

LTE Band 41 E-Field measurement/Voice_ch 40620 RB 1/0/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 = 8.340 V/m; Power Drift = 0.04 dB

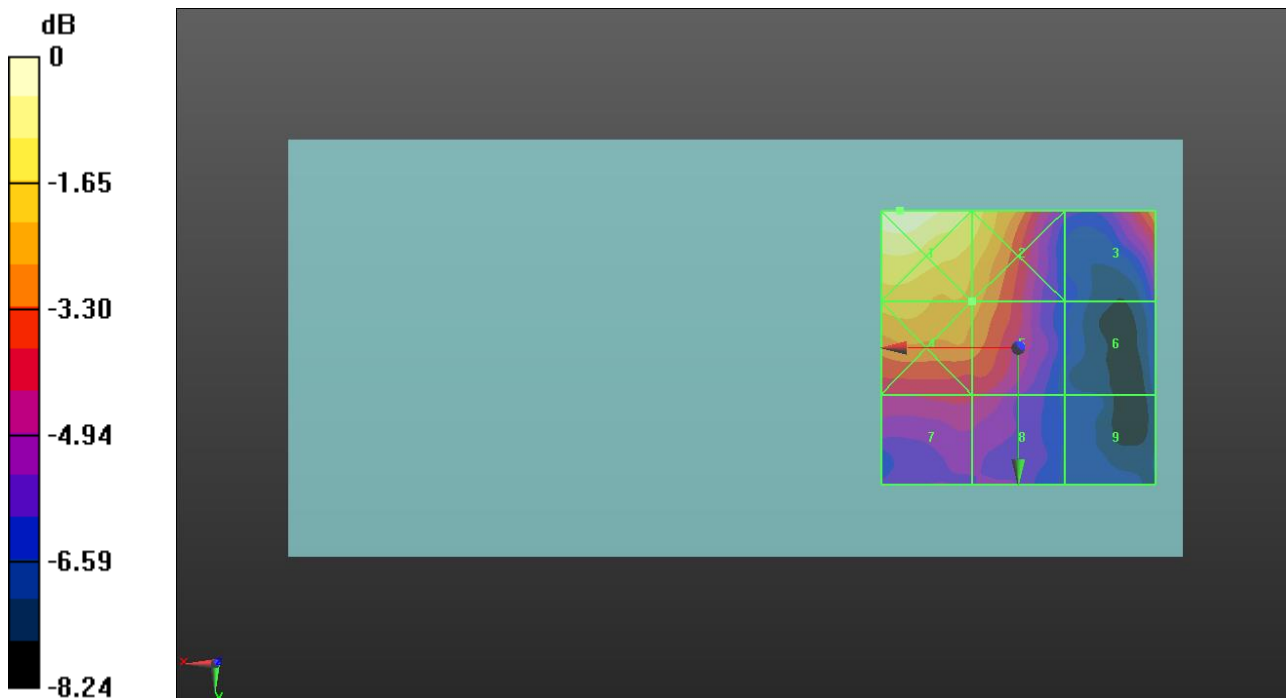
Applied MIF = -1.44 dB

RF audio interference level = 17.93 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 20.39 dBV/m	Grid 2 M4 19.22 dBV/m	Grid 3 M4 17.76 dBV/m
Grid 4 M4 18.47 dBV/m	Grid 5 M4 17.93 dBV/m	Grid 6 M4 14.73 dBV/m
Grid 7 M4 16.21 dBV/m	Grid 8 M4 16.15 dBV/m	Grid 9 M4 13.83 dBV/m



0 dB = 10.45 V/m = 20.38 dBV/m

LTE Band 41

Communication System: UID 10173 - CAG, LTE-TDD (SC-FDMA, 1 RB, 20 MHz, 16-QAM); Frequency: 2636.5 MHz; Duty Cycle: 1:8.87156

Phantom section: RF Section

DASY5 Configuration:

- Probe: EF3DV3 - SN4064; ConvF(1, 1, 1); Calibrated: 2018-11-15;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn614; Calibrated: 2018-06-22
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

LTE Band 41 E-Field measurement/Voice_ch 41055 RB 1/0/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 = 9.700 V/m; Power Drift = 0.11 dB

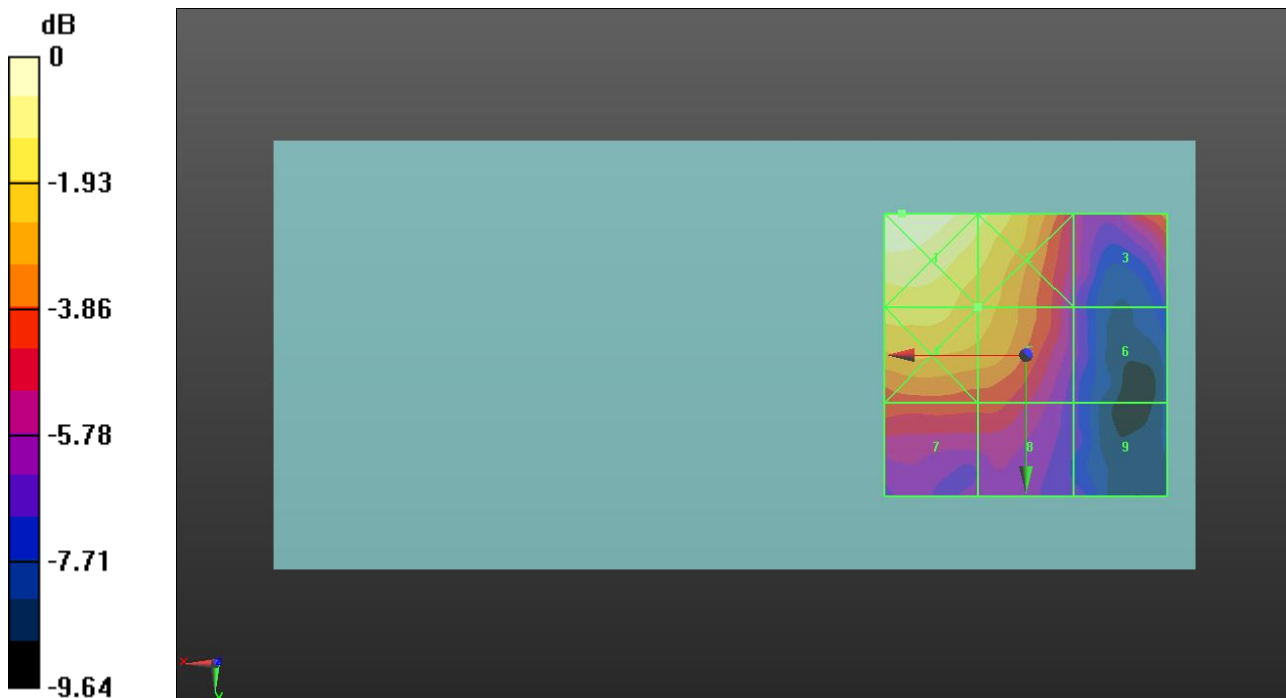
Applied MIF = -1.44 dB

RF audio interference level = 18.94 dBV/m

Emission category: **M4**

MIF scaled E-field

Grid 1 M4 21.27 dBV/m	Grid 2 M4 20.25 dBV/m	Grid 3 M4 17.75 dBV/m
Grid 4 M4 19.67 dBV/m	Grid 5 M4 18.94 dBV/m	Grid 6 M4 15.12 dBV/m
Grid 7 M4 17.19 dBV/m	Grid 8 M4 17.07 dBV/m	Grid 9 M4 14.61 dBV/m



0 dB = 11.58 V/m = 21.27 dBV/m

LTE Band 41

Communication System: UID 10173 - CAG, LTE-TDD (SC-FDMA, 1 RB, 20 MHz, 16-QAM); Frequency: 2680 MHz; Duty Cycle: 1:8.87156

Phantom section: RF Section

DASY5 Configuration:

- Probe: EF3DV3 - SN4064; ConvF(1, 1, 1); Calibrated: 2018-11-15;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn614; Calibrated: 2018-06-22
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

LTE Band 41 E-Field measurement/Voice_ch 41490 RB 1/0/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 = 9.646 V/m; Power Drift = -0.12 dB

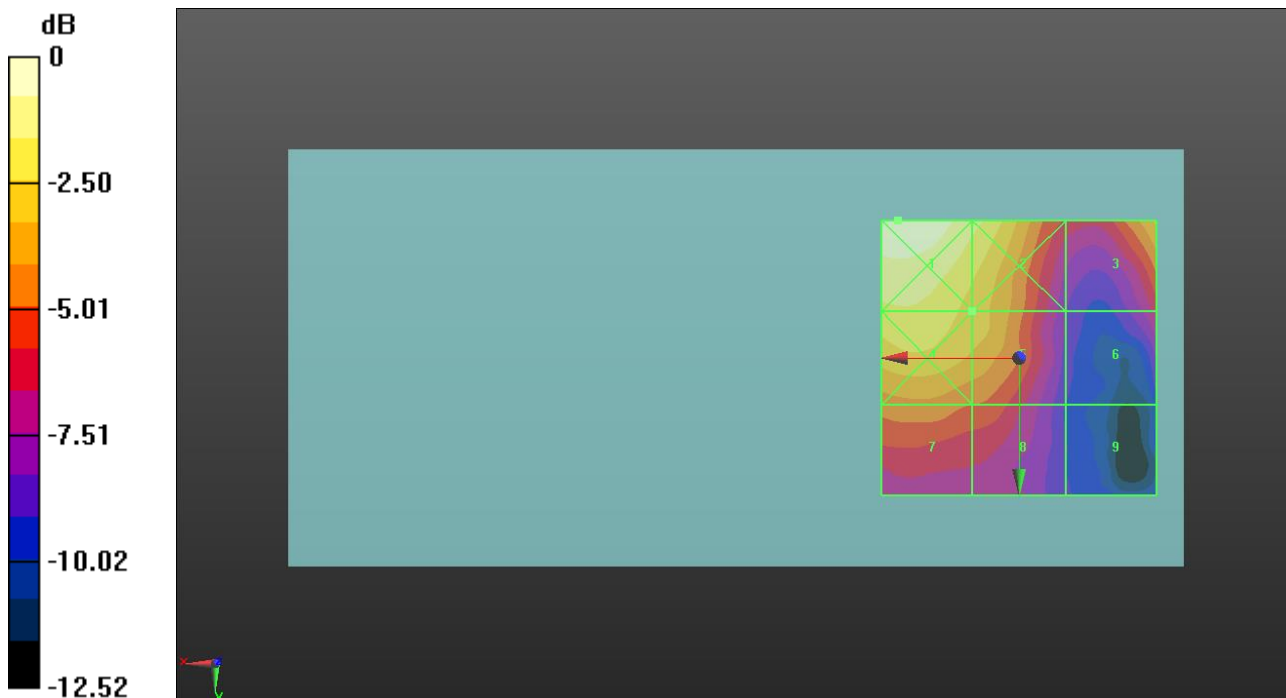
Applied MIF = -1.44 dB

RF audio interference level = 19.26 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 22.11 dBV/m	Grid 2 M4 20.71 dBV/m	Grid 3 M4 18.98 dBV/m
Grid 4 M4 20.34 dBV/m	Grid 5 M4 19.26 dBV/m	Grid 6 M4 15.74 dBV/m
Grid 7 M4 17.76 dBV/m	Grid 8 M4 17.11 dBV/m	Grid 9 M4 13.17 dBV/m



0 dB = 12.75 V/m = 22.11 dBV/m