

### 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 - SN4066; ConvF(1, 1, 1) @ 824.2 MHz; Calibrated: 2019-09-24
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1447; Calibrated: 2020-03-20
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.10 (4);SEMCAD X Version 14.6.13 (7474)

### GSM850 E-Field measurement/Voice\_ch128/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 = 39.67 V/m; Power Drift = -0.09 dB

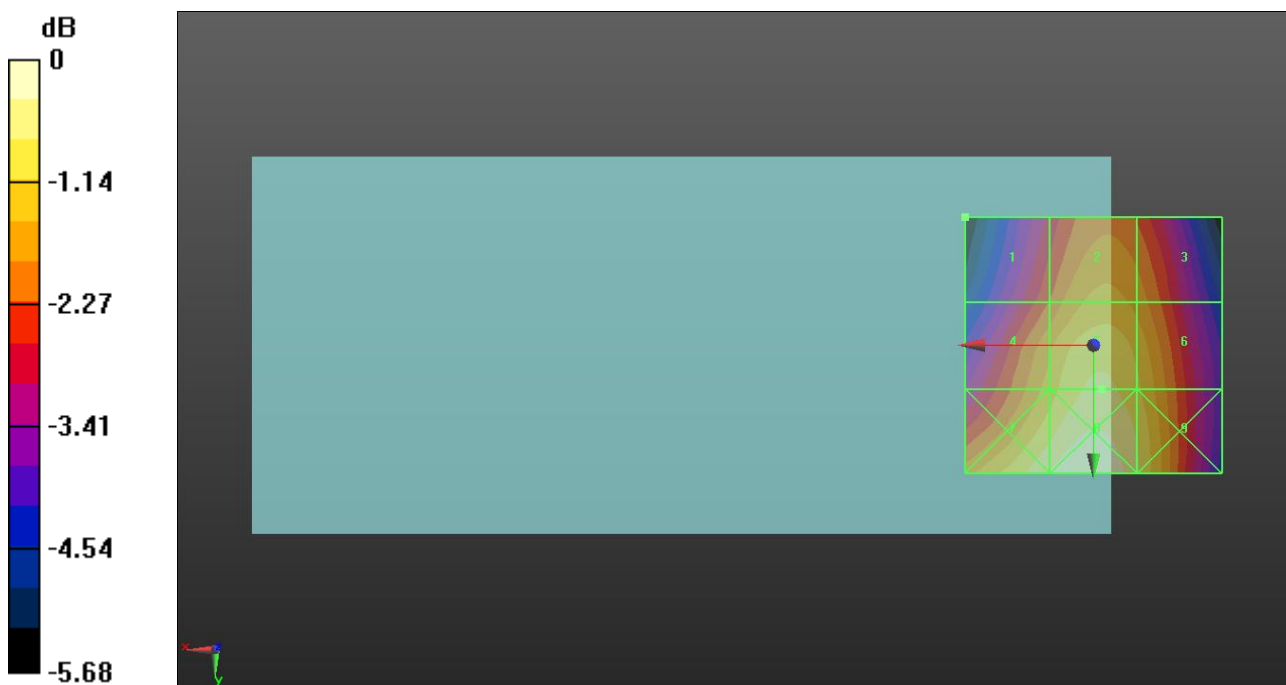
Applied MIF = 3.63 dB

RF audio interference level = 33.54 dBV/m

Emission category: **M4**

MIF scaled E-field

Grid 1 M4 31.99 dBV/m	Grid 2 M4 32.86 dBV/m	Grid 3 M4 32.57 dBV/m
Grid 4 M4 32.91 dBV/m	Grid 5 M4 33.54 dBV/m	Grid 6 M4 33.16 dBV/m
Grid 7 M4 33.89 dBV/m	Grid 8 M4 34.22 dBV/m	Grid 9 M4 33.54 dBV/m



0 dB = 51.39 V/m = 34.22 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 - SN4066; ConvF(1, 1, 1) @ 836.6 MHz; Calibrated: 2019-09-24
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1447; Calibrated: 2020-03-20
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.10 (4);SEMCAD X Version 14.6.13 (7474)

### GSM850 E-Field measurement/Voice\_ch190/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 = 44.42 V/m; Power Drift = -0.07 dB

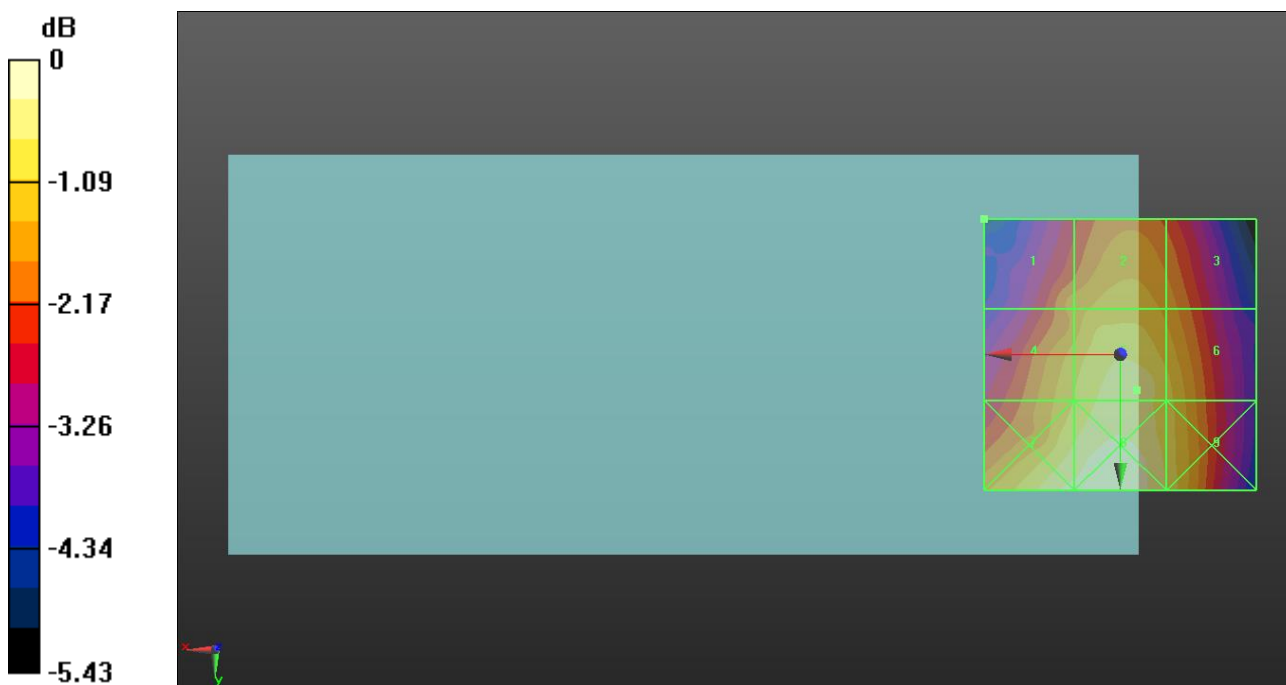
Applied MIF = 3.63 dB

RF audio interference level = 34.54 dBV/m

Emission category: **M4**

MIF scaled E-field

Grid 1 M4 33.46 dBV/m	Grid 2 M4 33.89 dBV/m	Grid 3 M4 33.53 dBV/m
Grid 4 M4 34.03 dBV/m	Grid 5 M4 34.54 dBV/m	Grid 6 M4 34.16 dBV/m
Grid 7 M4 34.82 dBV/m	Grid 8 M4 35.08 dBV/m	Grid 9 M4 34.34 dBV/m



0 dB = 56.78 V/m = 35.08 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 - SN4066; ConvF(1, 1, 1) @ 848.6 MHz; Calibrated: 2019-09-24
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1447; Calibrated: 2020-03-20
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.10 (4);SEMCAD X Version 14.6.13 (7474)

### GSM850 E-Field measurement/Voice\_ch251/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 = 37.22 V/m; Power Drift = 0.08 dB

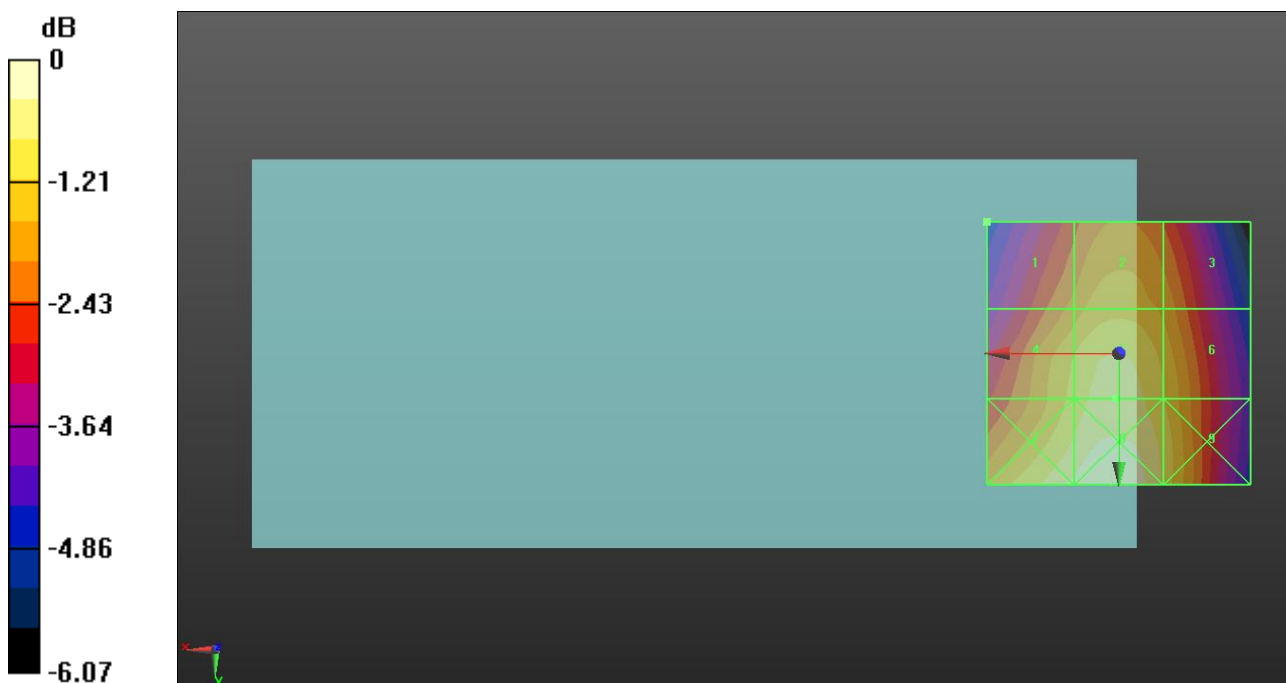
Applied MIF = 3.63 dB

RF audio interference level = 32.94 dBV/m

Emission category: **M4**

MIF scaled E-field

Grid 1 M4 31.73 dBV/m	Grid 2 M4 32.27 dBV/m	Grid 3 M4 31.85 dBV/m
Grid 4 M4 32.5 dBV/m	Grid 5 M4 32.94 dBV/m	Grid 6 M4 32.38 dBV/m
Grid 7 M4 33.28 dBV/m	Grid 8 M4 33.56 dBV/m	Grid 9 M4 32.66 dBV/m



0 dB = 47.63 V/m = 33.56 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 - SN4066; ConvF(1, 1, 1) @ 1850.2 MHz; Calibrated: 2019-09-24
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1447; Calibrated: 2020-03-20
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.10 (4);SEMCAD X Version 14.6.13 (7474)

### GSM1900 E-Field measurement/Voice\_ch512/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 = 3.349 V/m; Power Drift = 0.08 dB

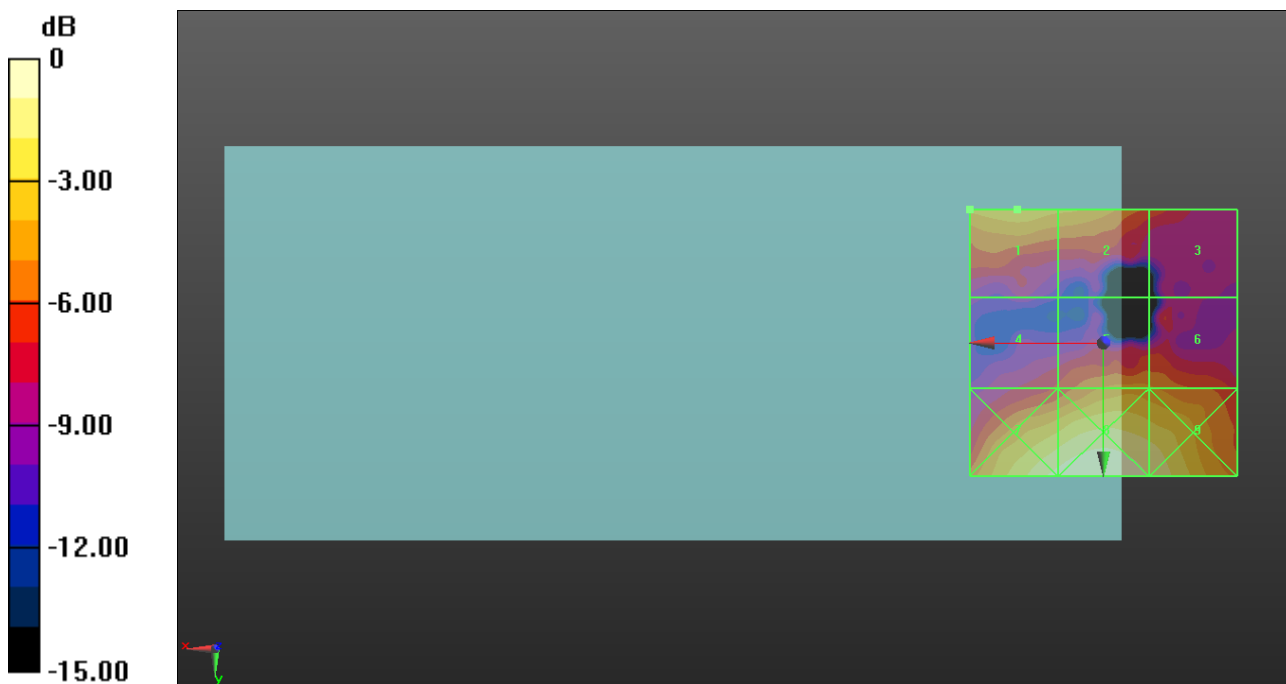
Applied MIF = 3.63 dB

RF audio interference level = 19.29 dBV/m

Emission category: **M4**

MIF scaled E-field

Grid 1 M4 19.29 dBV/m	Grid 2 M4 18.54 dBV/m	Grid 3 M4 16.15 dBV/m
Grid 4 M4 15.57 dBV/m	Grid 5 M4 17.75 dBV/m	Grid 6 M4 17.46 dBV/m
Grid 7 M4 21.7 dBV/m	Grid 8 M4 22.26 dBV/m	Grid 9 M4 21.24 dBV/m



0 dB = 12.98 V/m = 22.27 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 - SN4066; ConvF(1, 1, 1) @ 1880 MHz; Calibrated: 2019-09-24
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1447; Calibrated: 2020-03-20
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.10 (4);SEMCAD X Version 14.6.13 (7474)

### GSM1900 E-Field measurement/Voice\_ch661/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 = 3.410 V/m; Power Drift = -0.09 dB

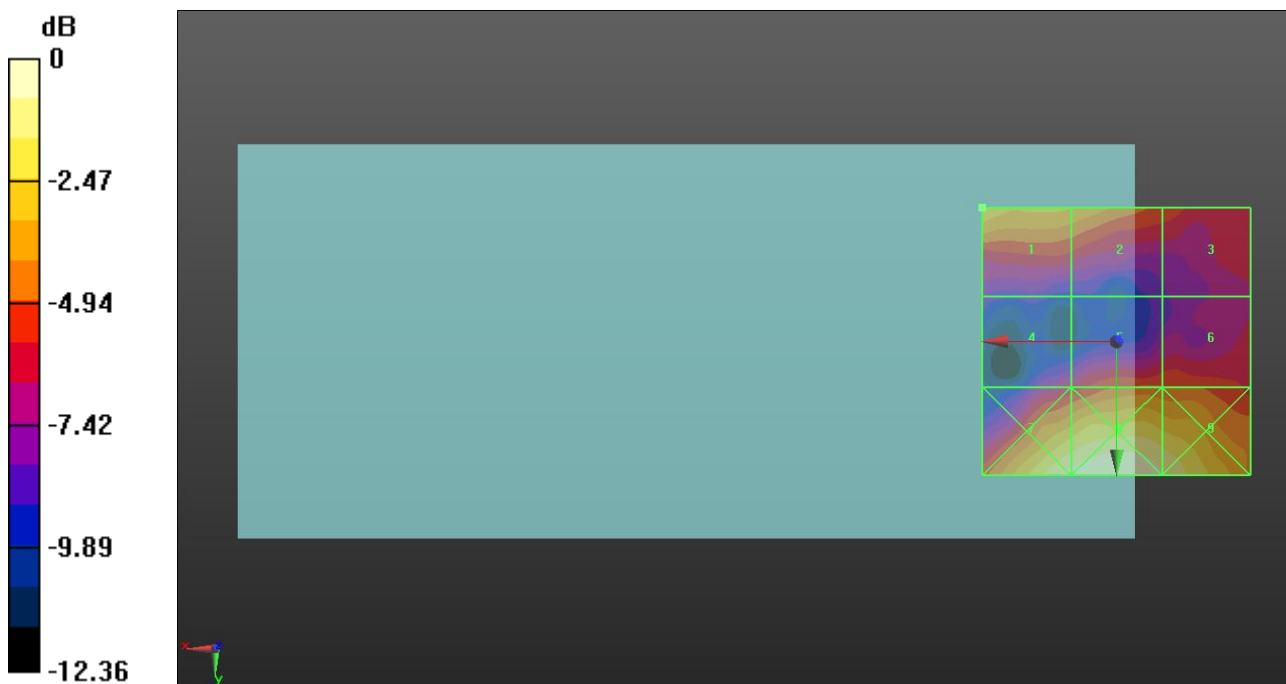
Applied MIF = 3.63 dB

RF audio interference level = 21.09 dBV/m

Emission category: **M4**

MIF scaled E-field

Grid 1 M4 21.09 dBV/m	Grid 2 M4 20.28 dBV/m	Grid 3 M4 18.47 dBV/m
Grid 4 M4 17.16 dBV/m	Grid 5 M4 18.74 dBV/m	Grid 6 M4 18.66 dBV/m
Grid 7 M4 23.1 dBV/m	Grid 8 M4 23.52 dBV/m	Grid 9 M4 22.82 dBV/m



0 dB = 14.99 V/m = 23.52 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 - SN4066; ConvF(1, 1, 1) @ 1909.8 MHz; Calibrated: 2019-09-24
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1447; Calibrated: 2020-03-20
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.10 (4);SEMCAD X Version 14.6.13 (7474)

## GSM1900 E-Field measurement/Voice\_ch810/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 = 2.807 V/m; Power Drift = -0.08 dB

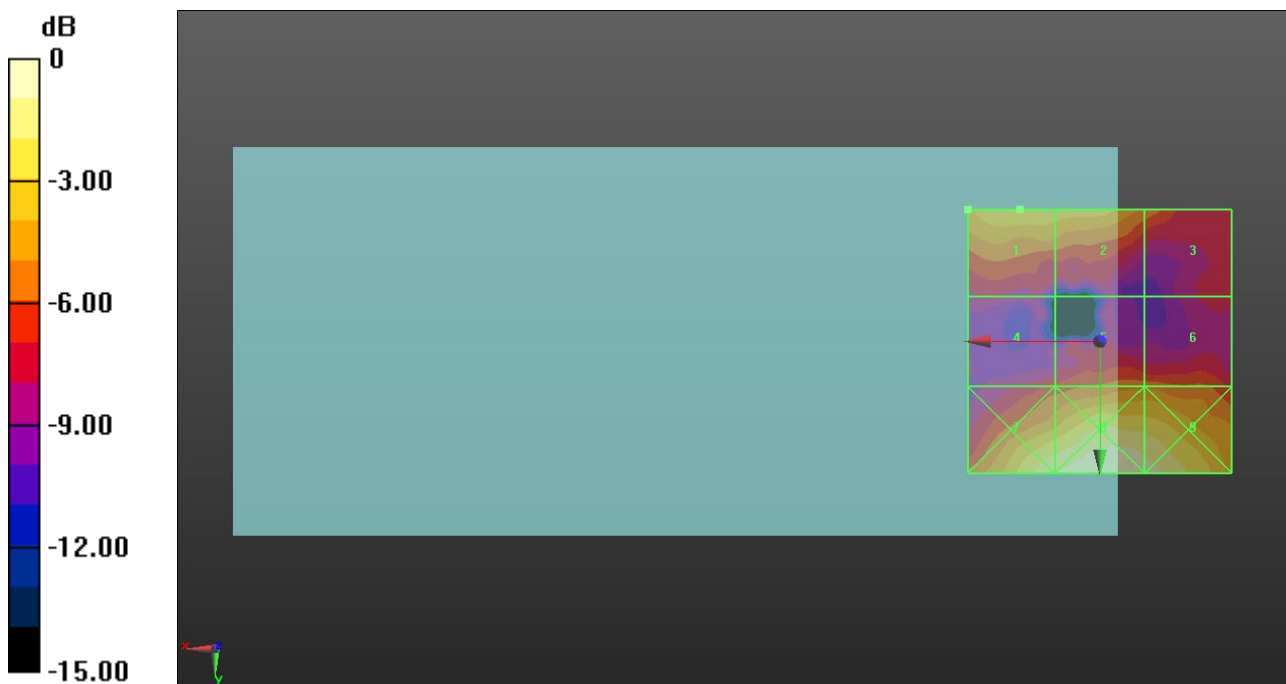
Applied MIF = 3.63 dB

RF audio interference level = 19.75 dBV/m

Emission category: **M4**

MIF scaled E-field

Grid 1 M4 19.75 dBV/m	Grid 2 M4 19.21 dBV/m	Grid 3 M4 17.42 dBV/m
Grid 4 M4 15.84 dBV/m	Grid 5 M4 17.27 dBV/m	Grid 6 M4 17.28 dBV/m
Grid 7 M4 21.57 dBV/m	Grid 8 M4 22.58 dBV/m	Grid 9 M4 22.04 dBV/m



0 dB = 13.46 V/m = 22.58 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 - SN4066; ConvF(1, 1, 1) @ 2506 MHz; Calibrated: 2019-09-24
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1447; Calibrated: 2020-03-20
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.10 (4);SEMCAD X Version 14.6.13 (7474)

### 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 = 4.468 V/m; Power Drift = 0.03 dB

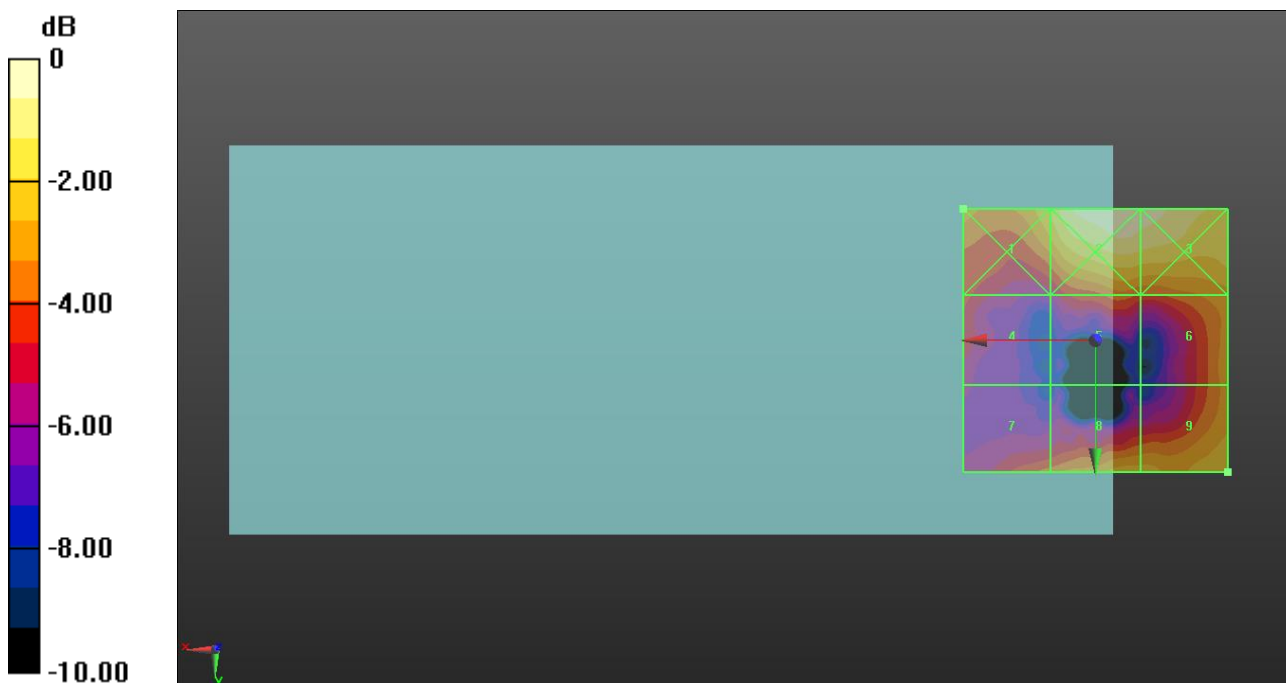
Applied MIF = -1.44 dB

RF audio interference level = 15.75 dBV/m

**Emission category: M4**

MIF scaled E-field

Grid 1 M4 15.98 dBV/m	Grid 2 M4 17.89 dBV/m	Grid 3 M4 17.68 dBV/m
Grid 4 M4 13.6 dBV/m	Grid 5 M4 14.22 dBV/m	Grid 6 M4 15.09 dBV/m
Grid 7 M4 14.29 dBV/m	Grid 8 M4 15.7 dBV/m	Grid 9 M4 15.75 dBV/m



0 dB = 7.842 V/m = 17.89 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 - SN4066; ConvF(1, 1, 1) @ 2549.5 MHz; Calibrated: 2019-09-24
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1447; Calibrated: 2020-03-20
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.10 (4);SEMCAD X Version 14.6.13 (7474)

## 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 = 5.782 V/m; Power Drift = -0.02 dB

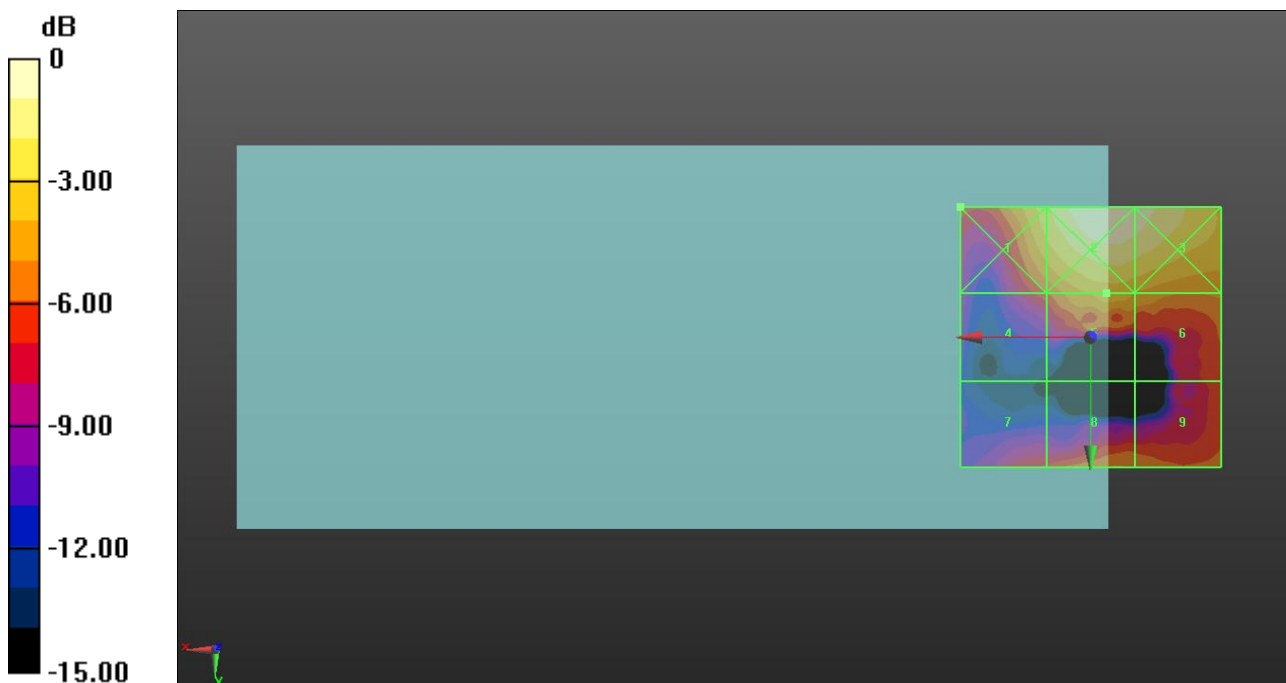
Applied MIF = -1.44 dB

RF audio interference level = 15.88 dBV/m

**Emission category: M4**

MIF scaled E-field

Grid 1 M4 17.26 dBV/m	Grid 2 M4 19.54 dBV/m	Grid 3 M4 19.05 dBV/m
Grid 4 M4 13.47 dBV/m	Grid 5 M4 15.88 dBV/m	Grid 6 M4 15.54 dBV/m
Grid 7 M4 12.88 dBV/m	Grid 8 M4 14.67 dBV/m	Grid 9 M4 14.37 dBV/m



0 dB = 9.484 V/m = 19.54 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 - SN4066; ConvF(1, 1, 1) @ 2593 MHz; Calibrated: 2019-09-24
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1447; Calibrated: 2020-03-20
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.10 (4);SEMCAD X Version 14.6.13 (7474)

## 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 = 4.501 V/m; Power Drift = 0.15 dB

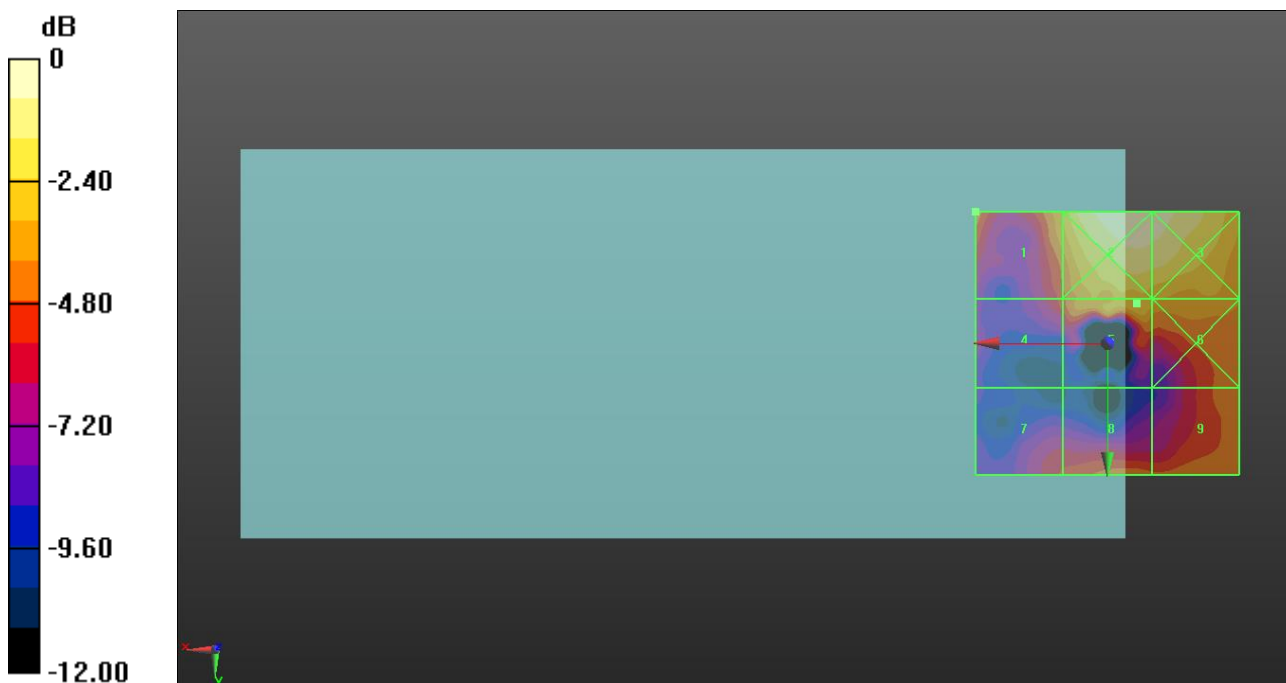
Applied MIF = -1.44 dB

RF audio interference level = 14.15 dBV/m

**Emission category: M4**

MIF scaled E-field

Grid 1 M4 13.6 dBV/m	Grid 2 M4 16.64 dBV/m	Grid 3 M4 16.31 dBV/m
Grid 4 M4 11.55 dBV/m	Grid 5 M4 14.15 dBV/m	Grid 6 M4 13.72 dBV/m
Grid 7 M4 11.22 dBV/m	Grid 8 M4 12.6 dBV/m	Grid 9 M4 12.65 dBV/m



0 dB = 6.796 V/m = 16.65 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 - SN4066; ConvF(1, 1, 1) @ 2636.5 MHz; Calibrated: 2019-09-24
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1447; Calibrated: 2020-03-20
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.10 (4);SEMCAD X Version 14.6.13 (7474)

## 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 = 4.330 V/m; Power Drift = 0.04 dB

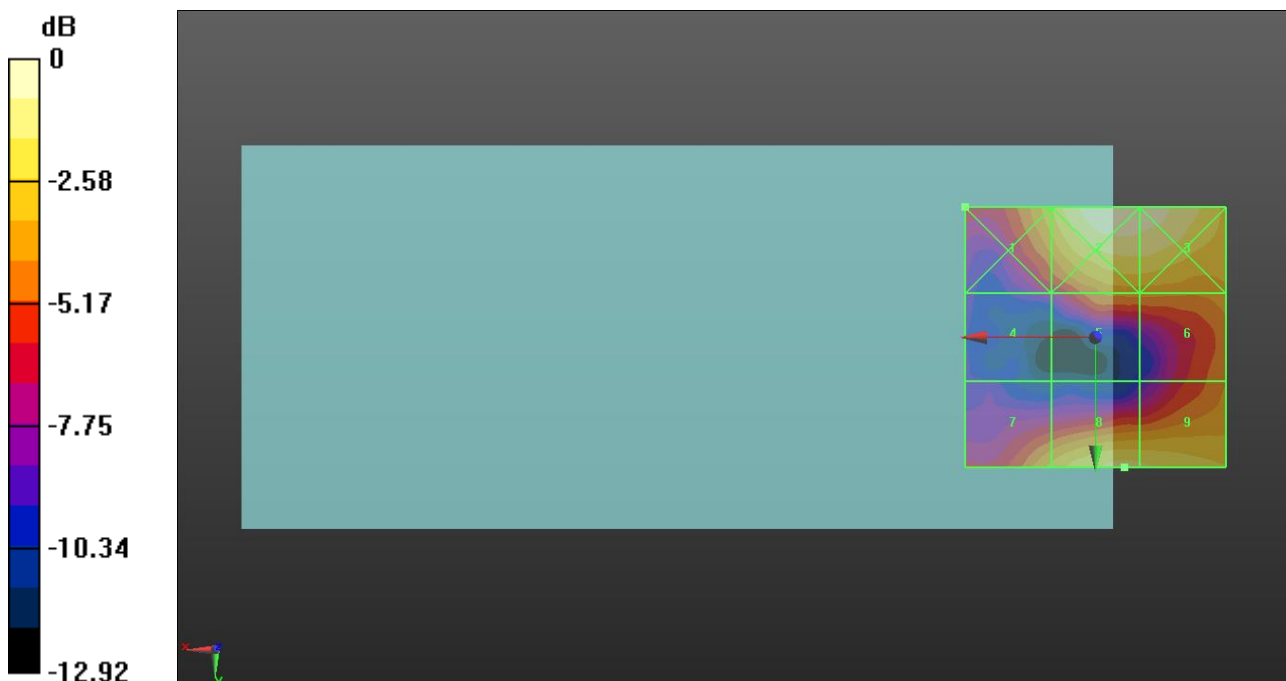
Applied MIF = -1.44 dB

RF audio interference level = 18.06 dBV/m

**Emission category: M4**

MIF scaled E-field

Grid 1 M4 16.72 dBV/m	Grid 2 M4 19.39 dBV/m	Grid 3 M4 19.22 dBV/m
Grid 4 M4 12.02 dBV/m	Grid 5 M4 15.42 dBV/m	Grid 6 M4 15.74 dBV/m
Grid 7 M4 16.29 dBV/m	Grid 8 M4 18.06 dBV/m	Grid 9 M4 17.88 dBV/m



0 dB = 9.322 V/m = 19.39 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 - SN4066; ConvF(1, 1, 1) @ 2680 MHz; Calibrated: 2019-09-24
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1447; Calibrated: 2020-03-20
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.10 (4);SEMCAD X Version 14.6.13 (7474)

### 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 = 5.152 V/m; Power Drift = 0.09 dB

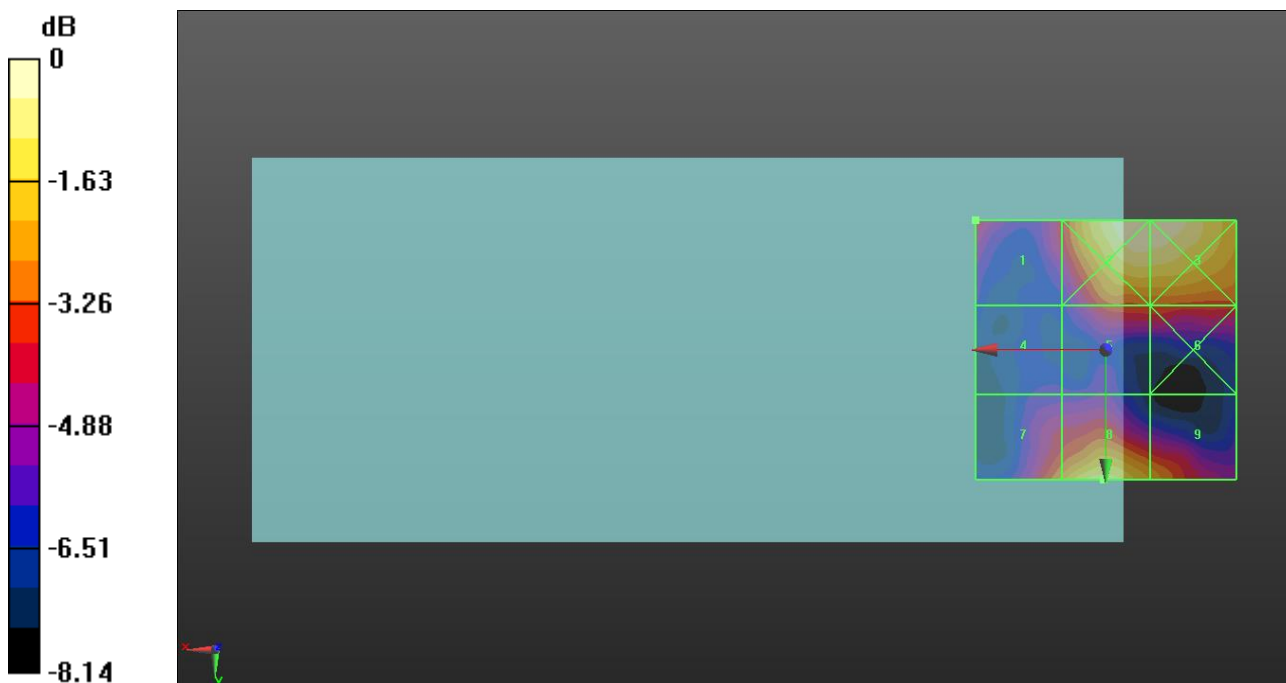
Applied MIF = -1.44 dB

RF audio interference level = 17.56 dBV/m

**Emission category: M4**

MIF scaled E-field

Grid 1 M4 14.72 dBV/m	Grid 2 M4 18.31 dBV/m	Grid 3 M4 18.32 dBV/m
Grid 4 M4 12.64 dBV/m	Grid 5 M4 15.04 dBV/m	Grid 6 M4 15.03 dBV/m
Grid 7 M4 15.91 dBV/m	Grid 8 M4 17.56 dBV/m	Grid 9 M4 16.15 dBV/m



0 dB = 8.237 V/m = 18.32 dBV/m