

### HAC-RF Emission

Communication System: UID 10173 - CAC, 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: ER3DV6 - SN2509; ConvF(1, 1, 1) @ 2506 MHz; Calibrated: 5/22/2018
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1547; Calibrated: 5/3/2018
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.10 (1); SEMCAD X Version 14.6.11 (7439)

### LTE Band 41 E-Field measurement/16QAM\_RB 1/50\_ch 39750/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 = 4.405 V/m; Power Drift = -0.04 dB

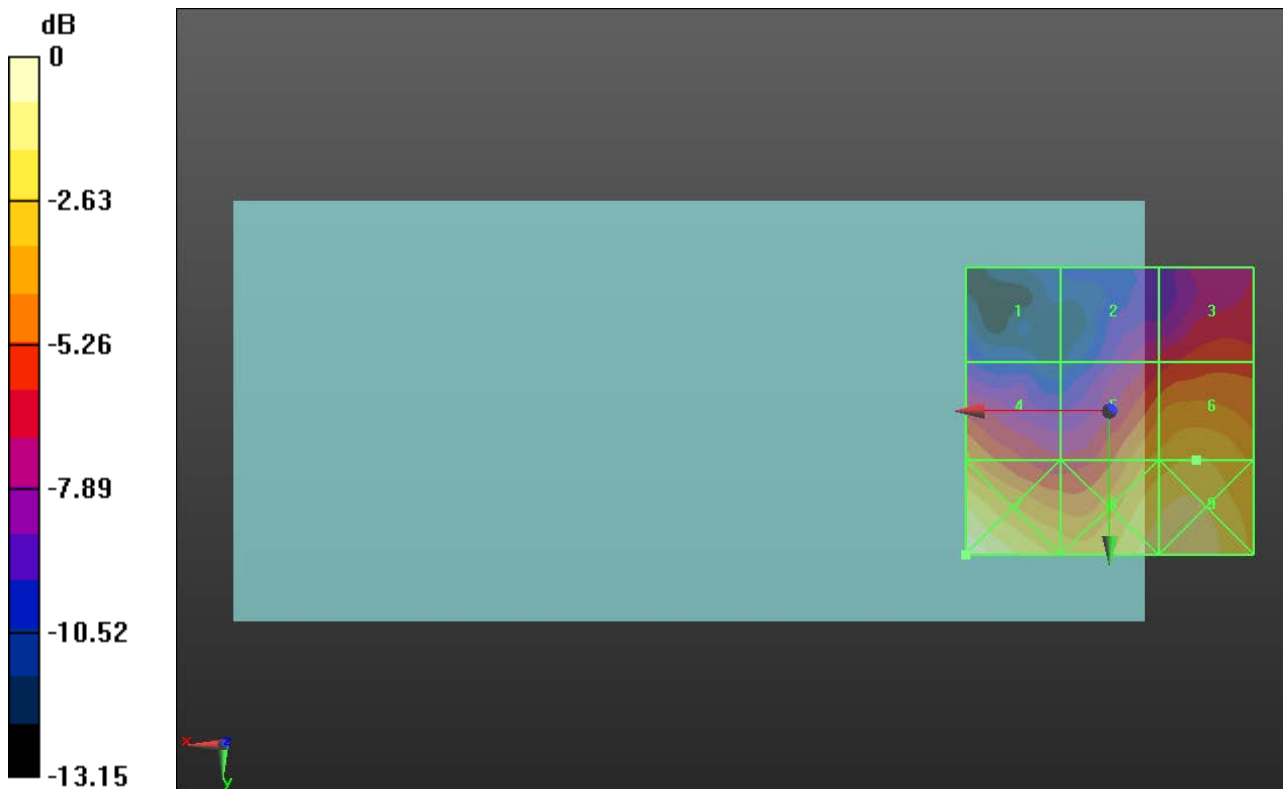
Applied MIF = -1.44 dB

RF audio interference level = 13.79 dBV/m

Emission category: **M4**

MIF scaled E-field

Grid 1 <b>M4</b> <b>7.34 dBV/m</b>	Grid 2 <b>M4</b> <b>9.7 dBV/m</b>	Grid 3 <b>M4</b> <b>10.77 dBV/m</b>
Grid 4 <b>M4</b> <b>12.35 dBV/m</b>	Grid 5 <b>M4</b> <b>13.13 dBV/m</b>	Grid 6 <b>M4</b> <b>13.79 dBV/m</b>
Grid 7 <b>M4</b> <b>16.29 dBV/m</b>	Grid 8 <b>M4</b> <b>15.04 dBV/m</b>	Grid 9 <b>M4</b> <b>15.23 dBV/m</b>



0 dB = 6.522 V/m = 16.29 dBV/m

### HAC-RF Emission

Communication System: UID 10173 - CAC, 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: ER3DV6 - SN2509; ConvF(1, 1, 1) @ 2549.5 MHz; Calibrated: 5/22/2018

- Sensor-Surface: (Fix Surface)

- Electronics: DAE4 Sn1547; Calibrated: 5/3/2018

- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB

- Measurement SW: DASY52, Version 52.10 (1); SEMCAD X Version 14.6.11 (7439)

### LTE Band 41 E-Field measurement/16QAM\_RB 1/50\_ch 40185/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 = 4.356 V/m; Power Drift = -0.15 dB

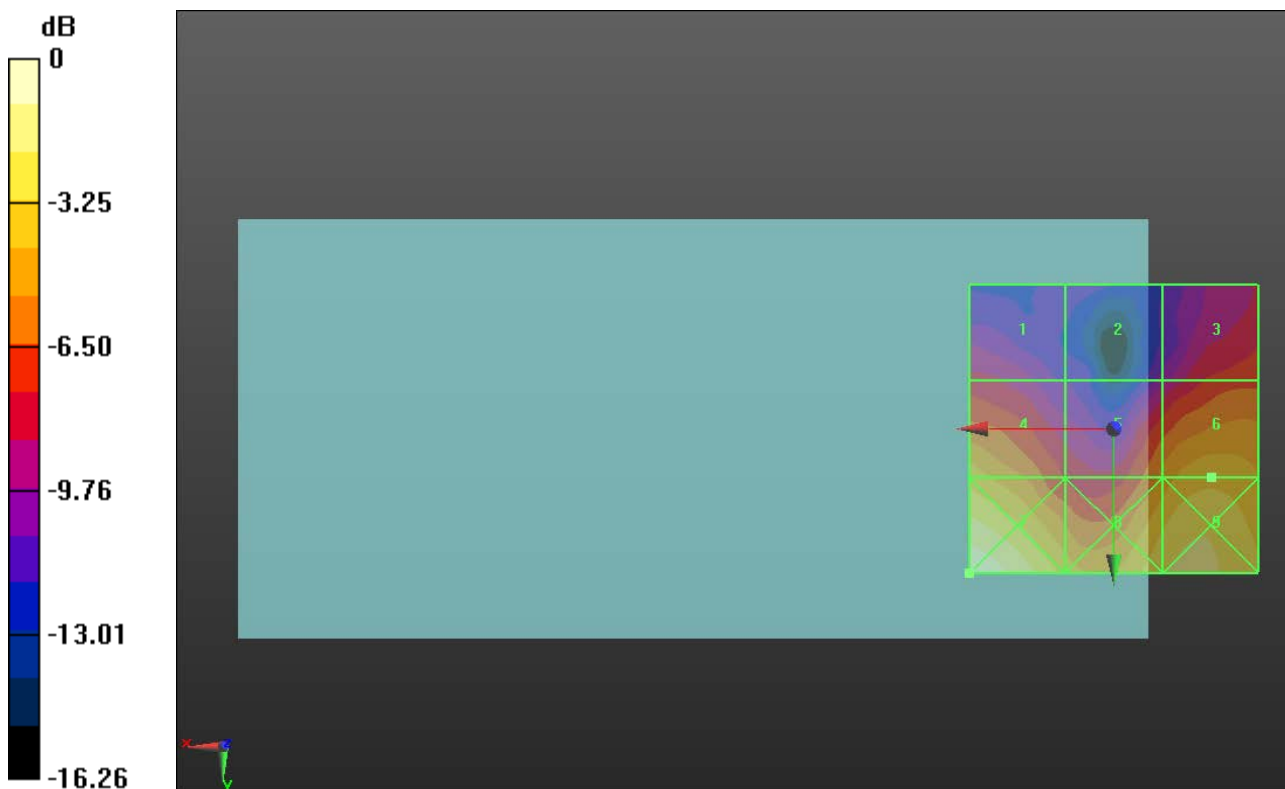
Applied MIF = -1.44 dB

RF audio interference level = 14.31 dBV/m

**Emission category: M4**

MIF scaled E-field

Grid 1 <b>M4</b> <b>9.6 dBV/m</b>	Grid 2 <b>M4</b> <b>7.72 dBV/m</b>	Grid 3 <b>M4</b> <b>11.05 dBV/m</b>
Grid 4 <b>M4</b> <b>14.19 dBV/m</b>	Grid 5 <b>M4</b> <b>12.88 dBV/m</b>	Grid 6 <b>M4</b> <b>14.31 dBV/m</b>
Grid 7 <b>M4</b> <b>17.86 dBV/m</b>	Grid 8 <b>M4</b> <b>15.59 dBV/m</b>	Grid 9 <b>M4</b> <b>16.12 dBV/m</b>



0 dB = 7.817 V/m = 17.86 dBV/m

### HAC-RF Emission

Communication System: UID 10173 - CAC, 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: ER3DV6 - SN2509; ConvF(1, 1, 1) @ 2593 MHz; Calibrated: 5/22/2018
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1547; Calibrated: 5/3/2018
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.10 (1); SEMCAD X Version 14.6.11 (7439)

### LTE Band 41 E-Field measurement/16QAM\_RB 1/50\_ch 40620/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 = 4.477 V/m; Power Drift = -0.40 dB

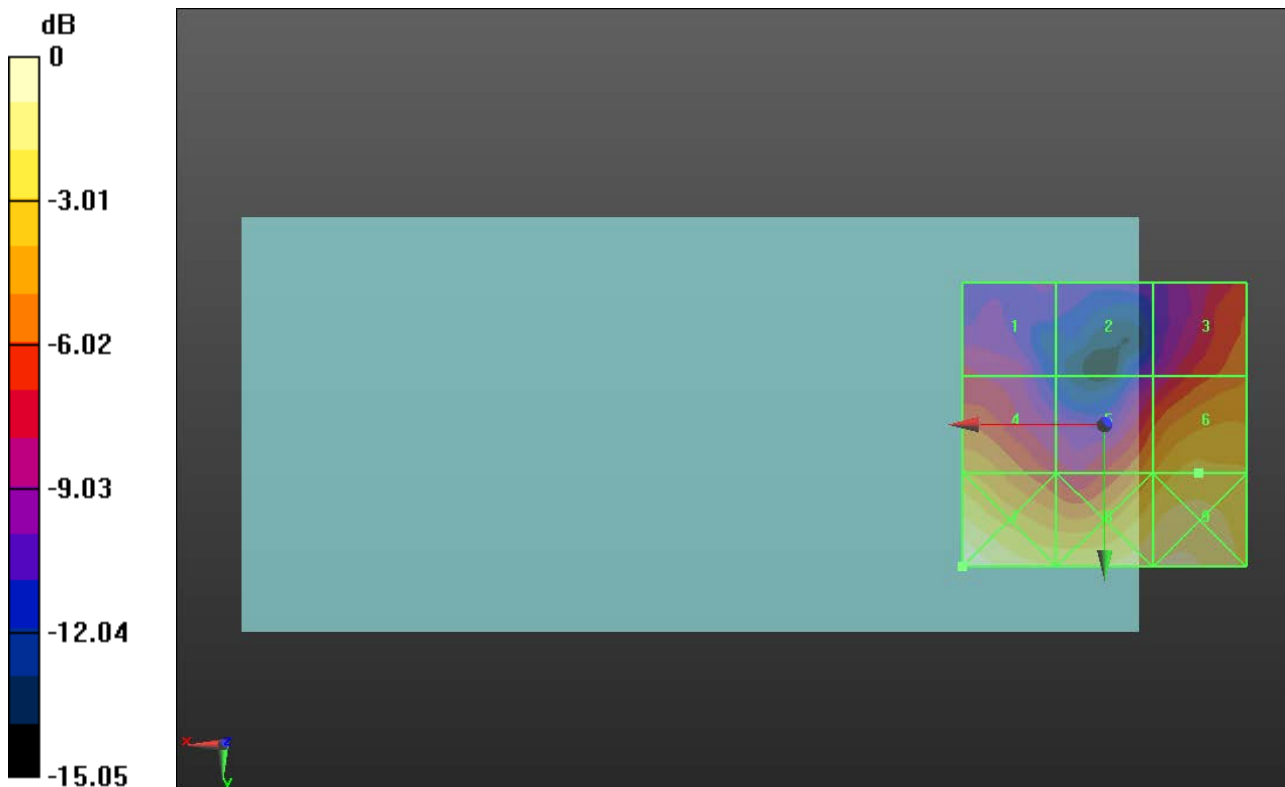
Applied MIF = -1.44 dB

RF audio interference level = 14.75 dBV/m

Emission category: **M4**

MIF scaled E-field

Grid 1 <b>M4</b> <b>9.72 dBV/m</b>	Grid 2 <b>M4</b> <b>7.91 dBV/m</b>	Grid 3 <b>M4</b> <b>12.35 dBV/m</b>
Grid 4 <b>M4</b> <b>13.54 dBV/m</b>	Grid 5 <b>M4</b> <b>13.31 dBV/m</b>	Grid 6 <b>M4</b> <b>14.75 dBV/m</b>
Grid 7 <b>M4</b> <b>17.36 dBV/m</b>	Grid 8 <b>M4</b> <b>16.38 dBV/m</b>	Grid 9 <b>M4</b> <b>16.6 dBV/m</b>



0 dB = 7.377 V/m = 17.36 dBV/m

### HAC-RF Emission

Communication System: UID 10173 - CAC, 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: ER3DV6 - SN2509; ConvF(1, 1, 1) @ 2636.5 MHz; Calibrated: 5/22/2018
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1547; Calibrated: 5/3/2018
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.10 (1); SEMCAD X Version 14.6.11 (7439)

### LTE Band 41 E-Field measurement/16QAM\_RB 1/50\_ch 41055/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 = 5.441 V/m; Power Drift = -0.22 dB

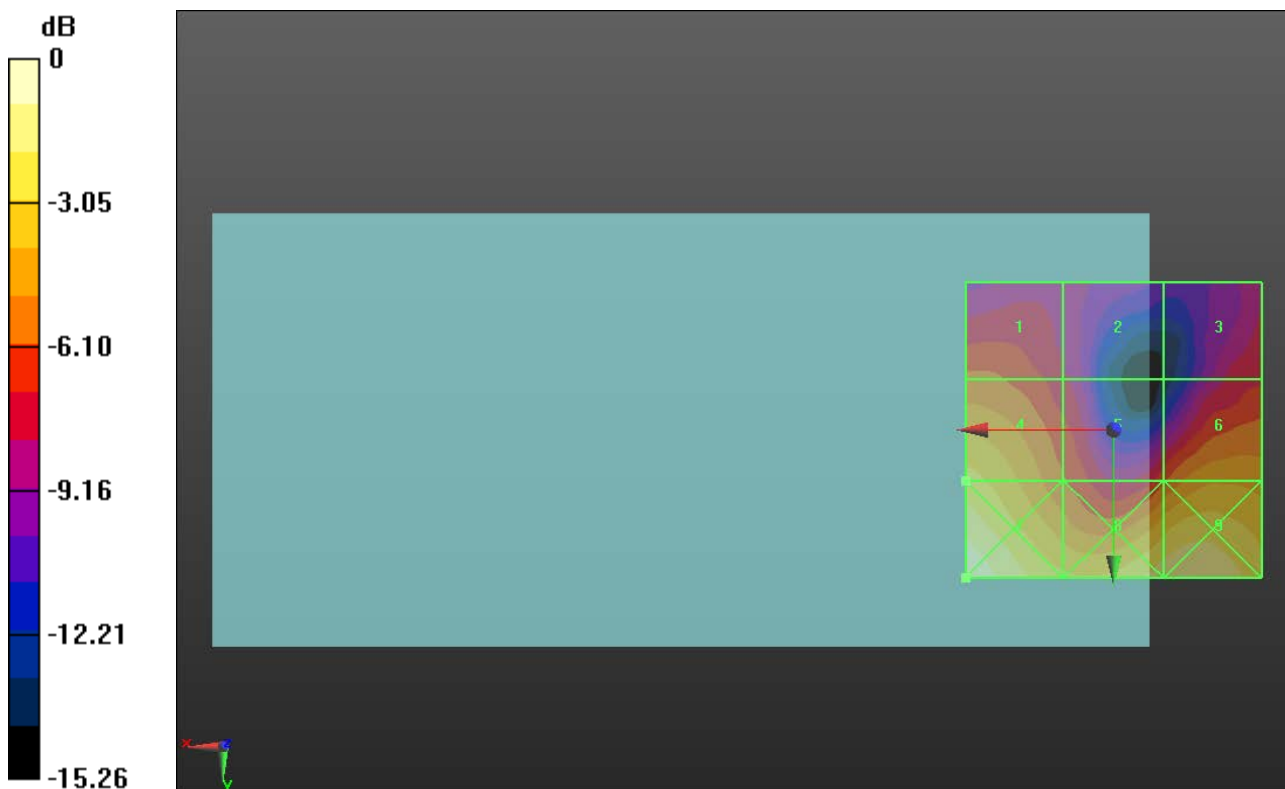
Applied MIF = -1.44 dB

RF audio interference level = 15.73 dBV/m

Emission category: **M4**

MIF scaled E-field

Grid 1 <b>M4</b> <b>12.56 dBV/m</b>	Grid 2 <b>M4</b> <b>10.49 dBV/m</b>	Grid 3 <b>M4</b> <b>11.02 dBV/m</b>
Grid 4 <b>M4</b> <b>15.73 dBV/m</b>	Grid 5 <b>M4</b> <b>12.4 dBV/m</b>	Grid 6 <b>M4</b> <b>14.16 dBV/m</b>
Grid 7 <b>M4</b> <b>18.35 dBV/m</b>	Grid 8 <b>M4</b> <b>17.11 dBV/m</b>	Grid 9 <b>M4</b> <b>17.41 dBV/m</b>



0 dB = 8.269 V/m = 18.35 dBV/m

## HAC-RF Emission

Communication System: UID 10173 - CAC, 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: ER3DV6 - SN2509; ConvF(1, 1, 1) @ 2680 MHz; Calibrated: 5/22/2018
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1547; Calibrated: 5/3/2018
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.10 (1); SEMCAD X Version 14.6.11 (7439)

## LTE Band 41 E-Field measurement/16QAM\_RB 1/50\_ch 41490/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 = 6.235 V/m; Power Drift = 0.11 dB

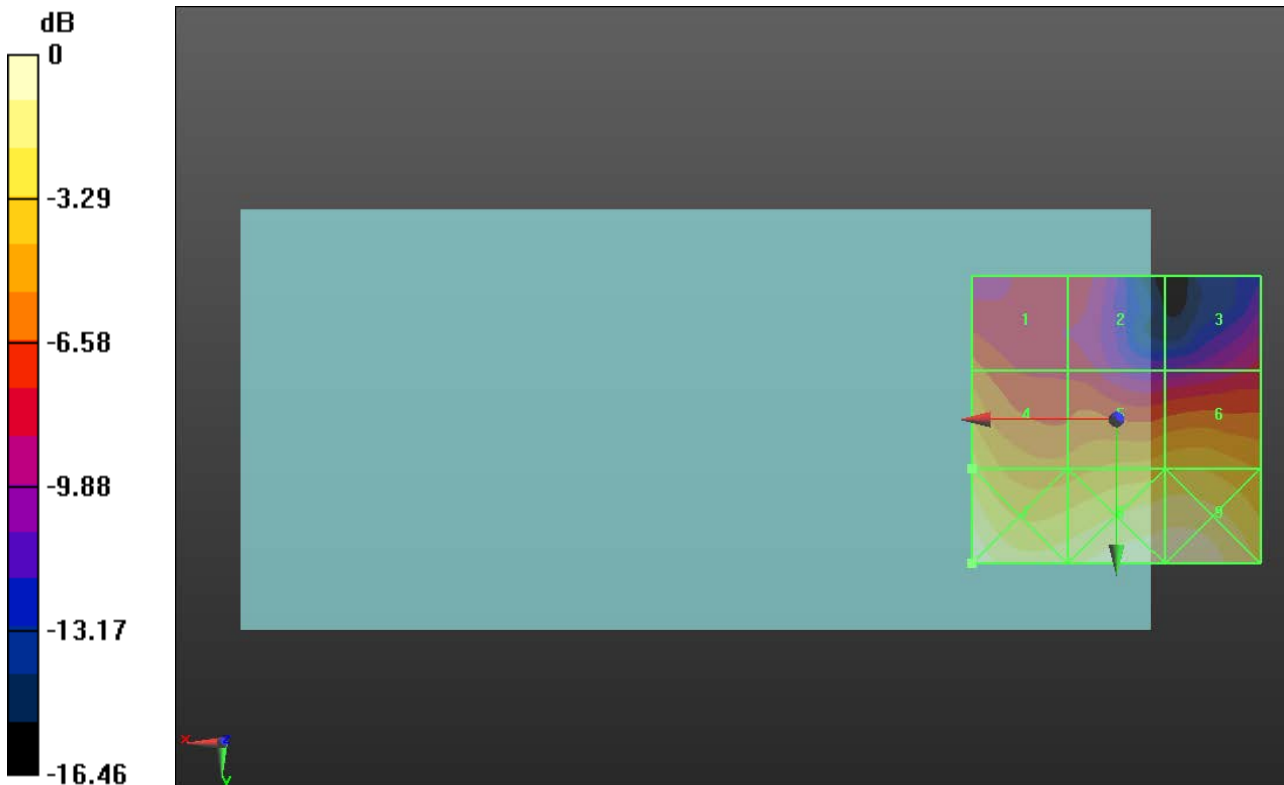
Applied MIF = -1.44 dB

RF audio interference level = 15.46 dBV/m

**Emission category: M4**

MIF scaled E-field

Grid 1 <b>M4</b> <b>12.14 dBV/m</b>	Grid 2 <b>M4</b> <b>10.25 dBV/m</b>	Grid 3 <b>M4</b> <b>9.98 dBV/m</b>
Grid 4 <b>M4</b> <b>15.46 dBV/m</b>	Grid 5 <b>M4</b> <b>14.62 dBV/m</b>	Grid 6 <b>M4</b> <b>14.87 dBV/m</b>
Grid 7 <b>M4</b> <b>18.16 dBV/m</b>	Grid 8 <b>M4</b> <b>18.1 dBV/m</b>	Grid 9 <b>M4</b> <b>18.11 dBV/m</b>



0 dB = 8.091 V/m = 18.16 dBV/m

