

## 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: 2019-03-21
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

### 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 = 50.72 V/m; Power Drift = -0.01 dB

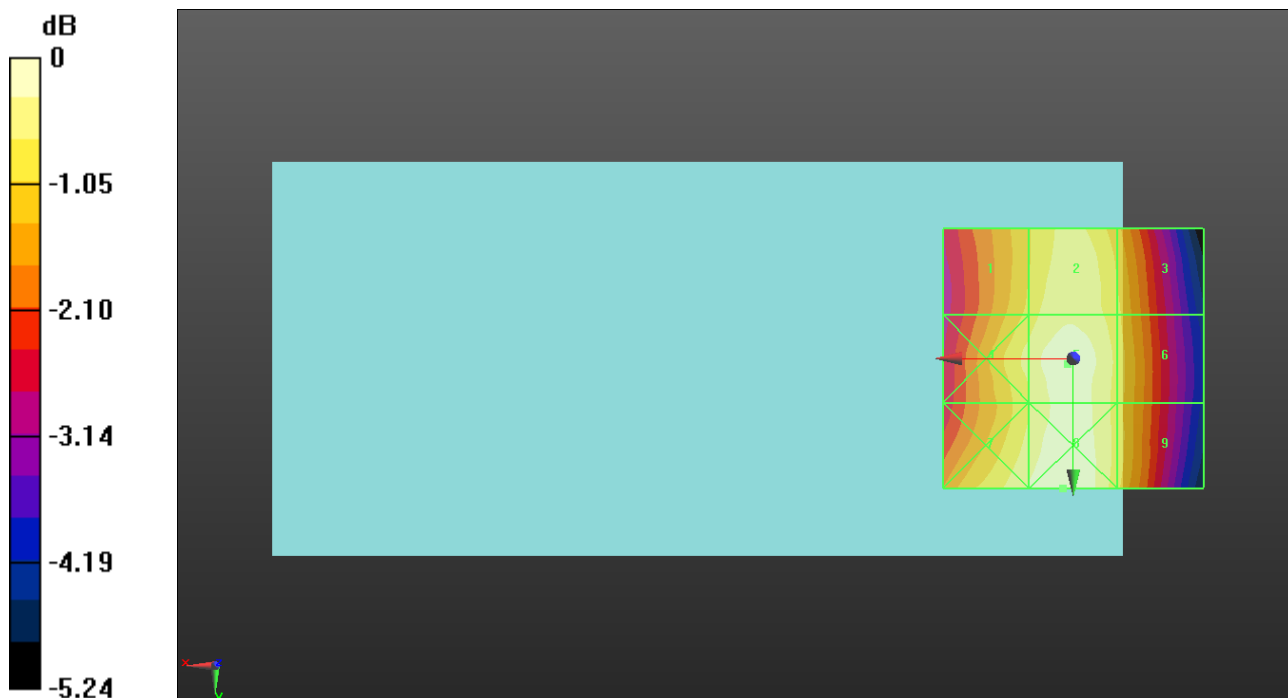
Applied MIF = 3.63 dB

RF audio interference level = 35.28 dBV/m

**Emission category: M4**

MIF scaled E-field

|                          |                          |                          |
|--------------------------|--------------------------|--------------------------|
| Grid 1 M4<br>34.52 dBV/m | Grid 2 M4<br>35.05 dBV/m | Grid 3 M4<br>34.46 dBV/m |
| Grid 4 M4<br>34.88 dBV/m | Grid 5 M4<br>35.28 dBV/m | Grid 6 M4<br>34.62 dBV/m |
| Grid 7 M4<br>35.14 dBV/m | Grid 8 M4<br>35.42 dBV/m | Grid 9 M4<br>34.6 dBV/m  |



0 dB = 59.05 V/m = 35.42 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: 2019-03-21
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

### 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 = 52.43 V/m; Power Drift = -0.06 dB

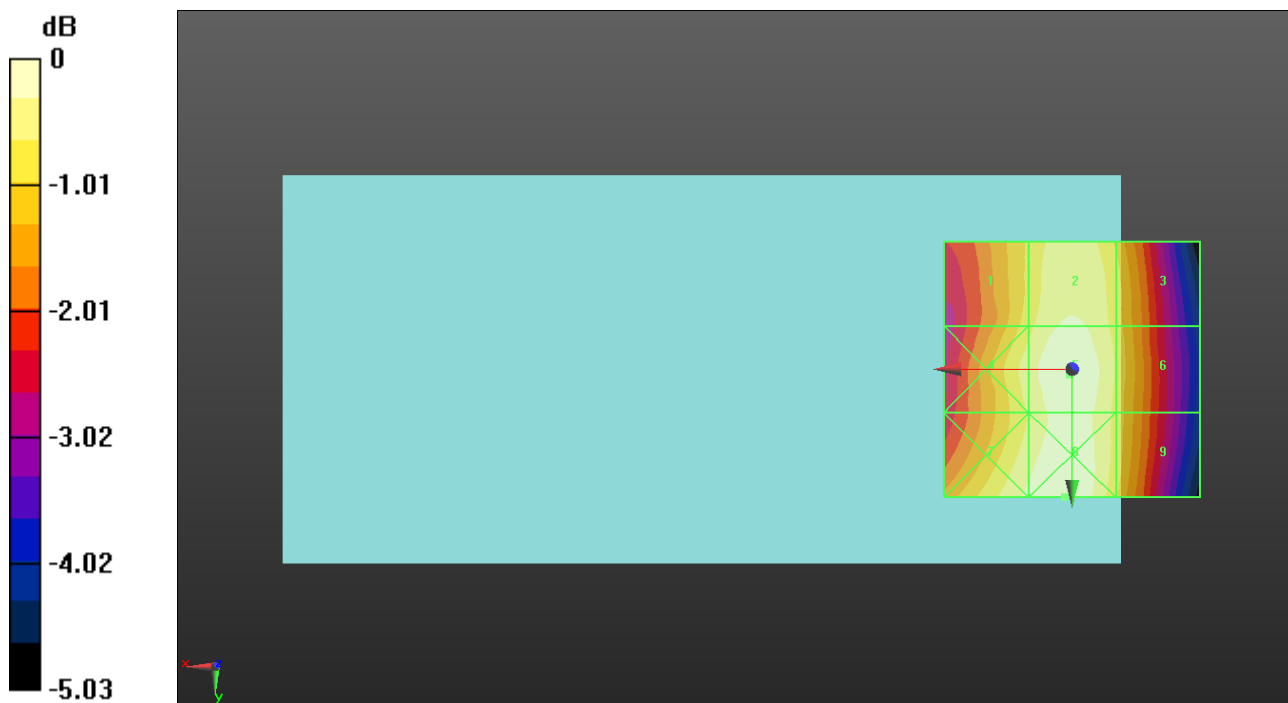
Applied MIF = 3.63 dB

RF audio interference level = 35.55 dBV/m

**Emission category: M4**

MIF scaled E-field

|                          |                          |                          |
|--------------------------|--------------------------|--------------------------|
| Grid 1 M4<br>34.84 dBV/m | Grid 2 M4<br>35.35 dBV/m | Grid 3 M4<br>34.82 dBV/m |
| Grid 4 M4<br>35.16 dBV/m | Grid 5 M4<br>35.55 dBV/m | Grid 6 M4<br>34.94 dBV/m |
| Grid 7 M4<br>35.38 dBV/m | Grid 8 M4<br>35.64 dBV/m | Grid 9 M4<br>34.87 dBV/m |



0 dB = 60.50 V/m = 35.64 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: 2019-03-21
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

### 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 = 57.23 V/m; Power Drift = -0.05 dB

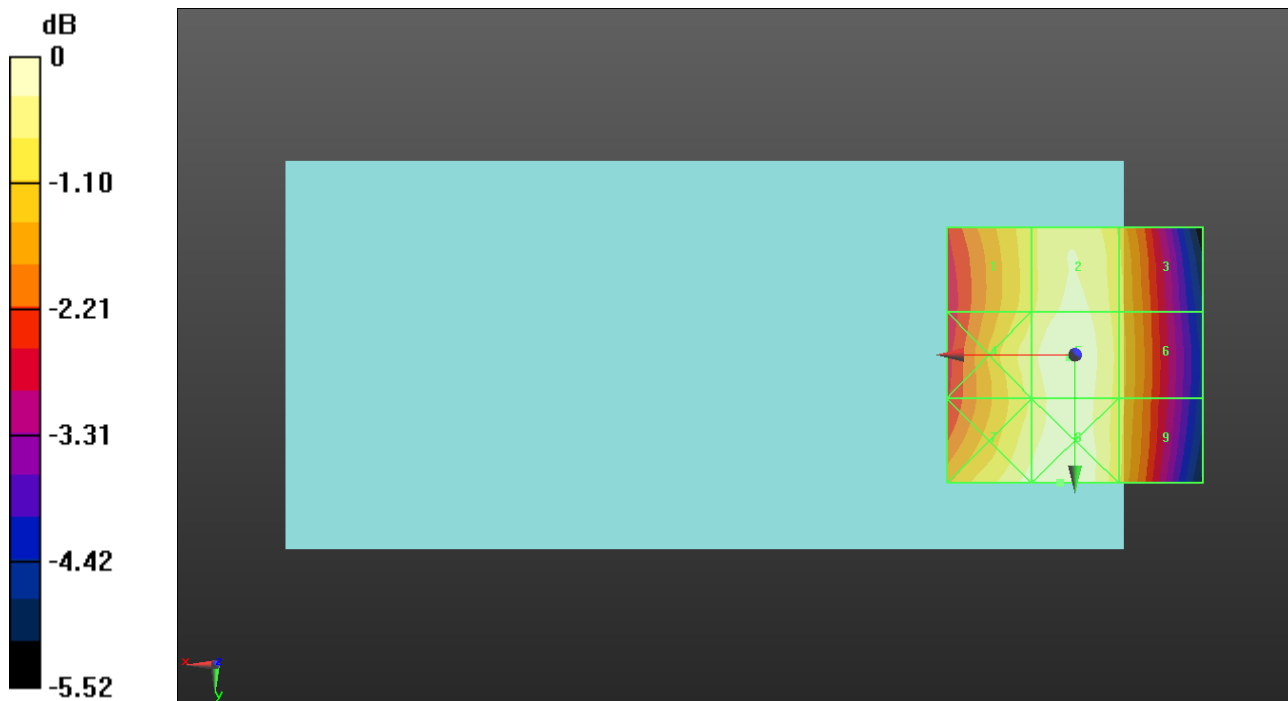
Applied MIF = 3.63 dB

RF audio interference level = 36.26 dBV/m

**Emission category: M4**

MIF scaled E-field

|                          |                          |                          |
|--------------------------|--------------------------|--------------------------|
| Grid 1 M4<br>35.56 dBV/m | Grid 2 M4<br>36.09 dBV/m | Grid 3 M4<br>35.42 dBV/m |
| Grid 4 M4<br>35.89 dBV/m | Grid 5 M4<br>36.26 dBV/m | Grid 6 M4<br>35.5 dBV/m  |
| Grid 7 M4<br>36.15 dBV/m | Grid 8 M4<br>36.36 dBV/m | Grid 9 M4<br>35.45 dBV/m |



0 dB = 65.75 V/m = 36.36 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: 2019-03-21
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

### 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 = 26.26 V/m; Power Drift = -0.05 dB

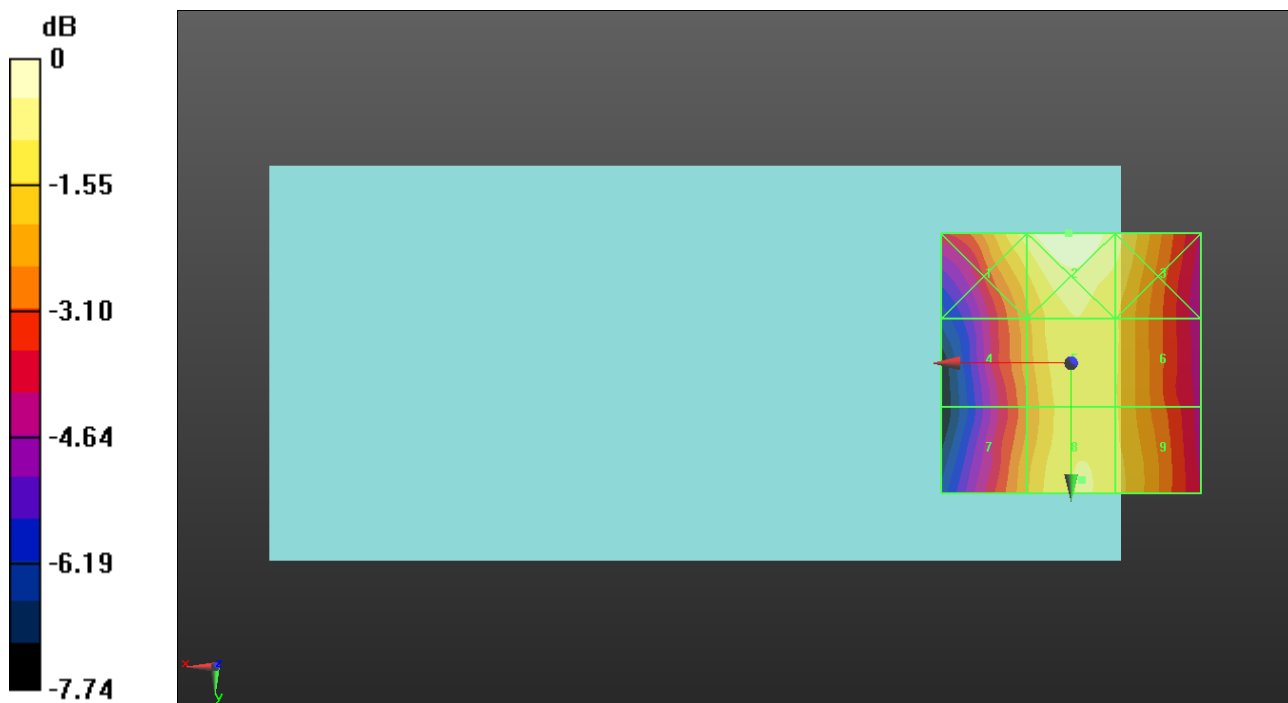
Applied MIF = 3.63 dB

RF audio interference level = 29.62 dBV/m

**Emission category: M4**

MIF scaled E-field

|                          |                          |                          |
|--------------------------|--------------------------|--------------------------|
| Grid 1 M4<br>29.9 dBV/m  | Grid 2 M3<br>30.61 dBV/m | Grid 3 M4<br>29.84 dBV/m |
| Grid 4 M4<br>28.42 dBV/m | Grid 5 M4<br>29.58 dBV/m | Grid 6 M4<br>29.15 dBV/m |
| Grid 7 M4<br>28.5 dBV/m  | Grid 8 M4<br>29.62 dBV/m | Grid 9 M4<br>29.29 dBV/m |



0 dB = 33.94 V/m = 30.61 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: 2019-03-21
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

### 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 = 26.45 V/m; Power Drift = -0.14 dB

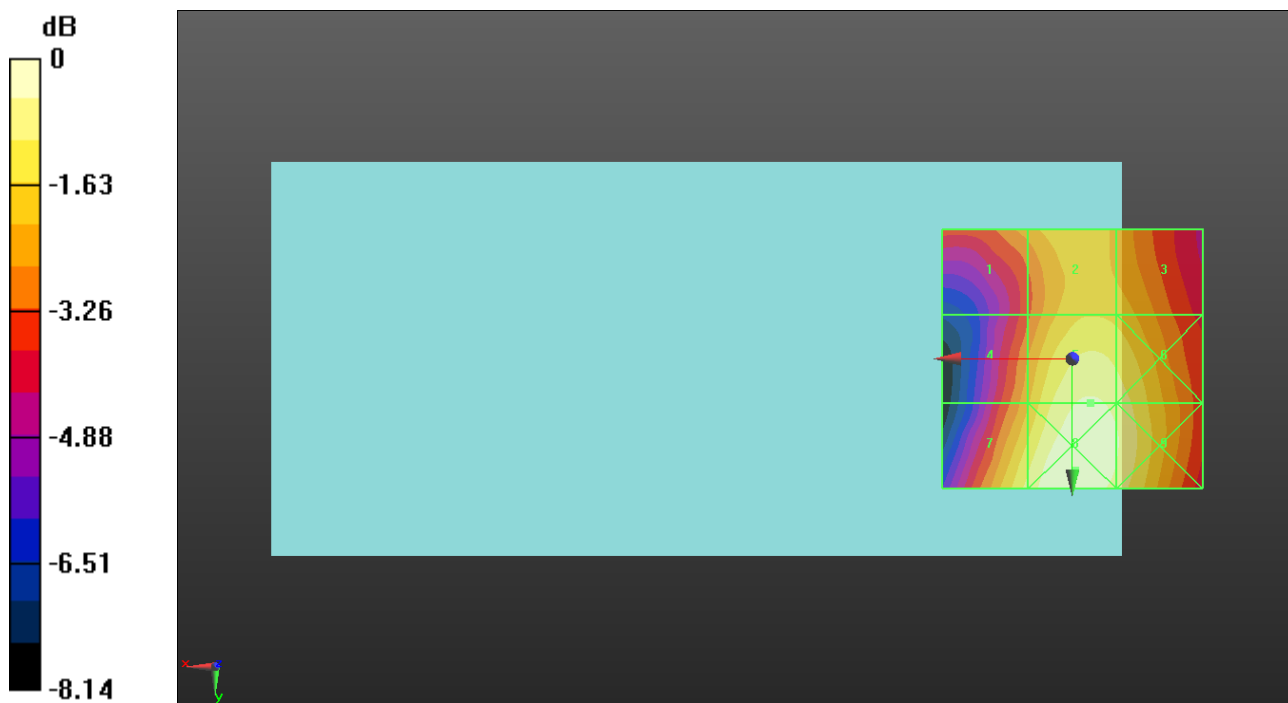
Applied MIF = 3.63 dB

RF audio interference level = 30.17 dBV/m

**Emission category: M3**

MIF scaled E-field

|                          |                          |                          |
|--------------------------|--------------------------|--------------------------|
| Grid 1 M4<br>28.24 dBV/m | Grid 2 M4<br>28.99 dBV/m | Grid 3 M4<br>28.83 dBV/m |
| Grid 4 M4<br>28.42 dBV/m | Grid 5 M3<br>30.17 dBV/m | Grid 6 M4<br>29.91 dBV/m |
| Grid 7 M4<br>29.75 dBV/m | Grid 8 M3<br>30.64 dBV/m | Grid 9 M3<br>30.14 dBV/m |



0 dB = 34.02 V/m = 30.63 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: 2019-03-21
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

### 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 = 23.97 V/m; Power Drift = 0.05 dB

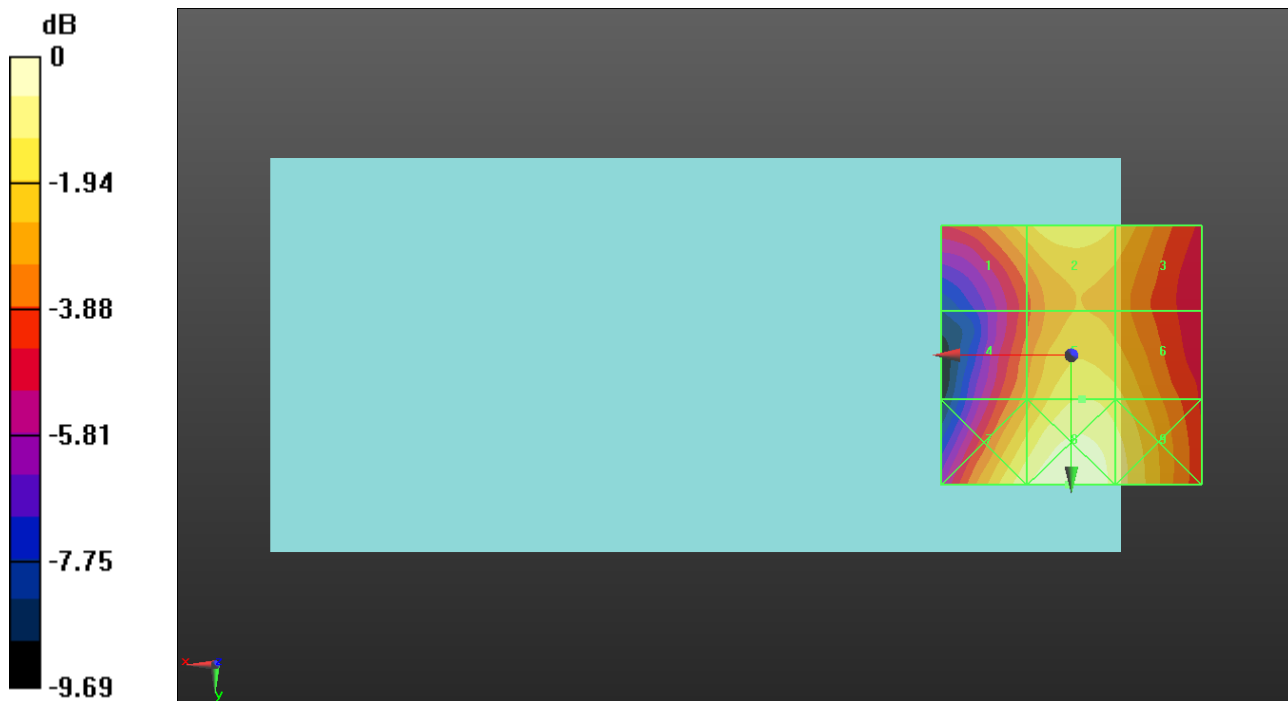
Applied MIF = 3.63 dB

RF audio interference level = 29.54 dBV/m

**Emission category: M4**

MIF scaled E-field

|                          |                          |                          |
|--------------------------|--------------------------|--------------------------|
| Grid 1 M4<br>28.72 dBV/m | Grid 2 M4<br>29.41 dBV/m | Grid 3 M4<br>28.87 dBV/m |
| Grid 4 M4<br>27.94 dBV/m | Grid 5 M4<br>29.54 dBV/m | Grid 6 M4<br>29.12 dBV/m |
| Grid 7 M3<br>30.12 dBV/m | Grid 8 M3<br>30.81 dBV/m | Grid 9 M4<br>29.92 dBV/m |



0 dB = 34.70 V/m = 30.81 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: 2019-03-21
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

## 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 = 41.93 V/m; Power Drift = -0.11 dB

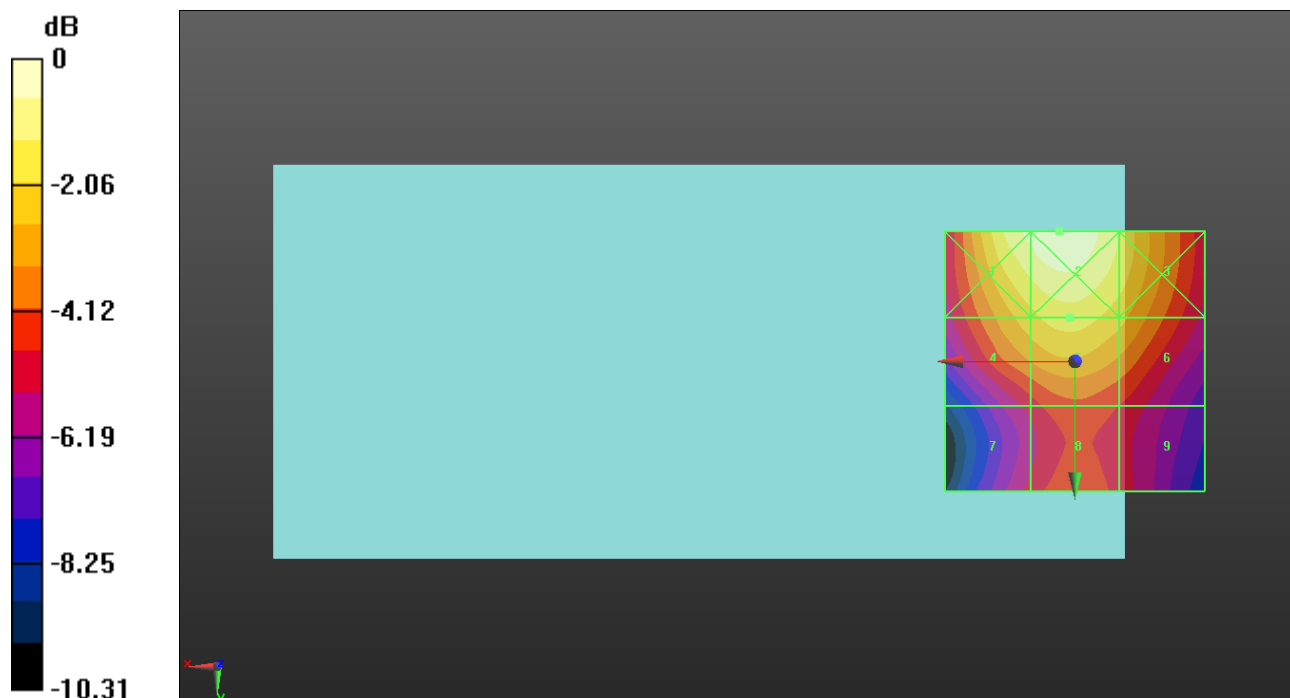
Applied MIF = -1.44 dB

RF audio interference level = 29.32 dBV/m

**Emission category: M4**

MIF scaled E-field

|                          |                          |                          |
|--------------------------|--------------------------|--------------------------|
| Grid 1 M3<br>30.6 dBV/m  | Grid 2 M3<br>31.03 dBV/m | Grid 3 M4<br>29.63 dBV/m |
| Grid 4 M4<br>28.75 dBV/m | Grid 5 M4<br>29.32 dBV/m | Grid 6 M4<br>28.53 dBV/m |
| Grid 7 M4<br>25.87 dBV/m | Grid 8 M4<br>26.74 dBV/m | Grid 9 M4<br>26.22 dBV/m |



0 dB = 35.58 V/m = 31.02 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: 2019-03-21
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

## 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 = 36.10 V/m; Power Drift = 0.04 dB

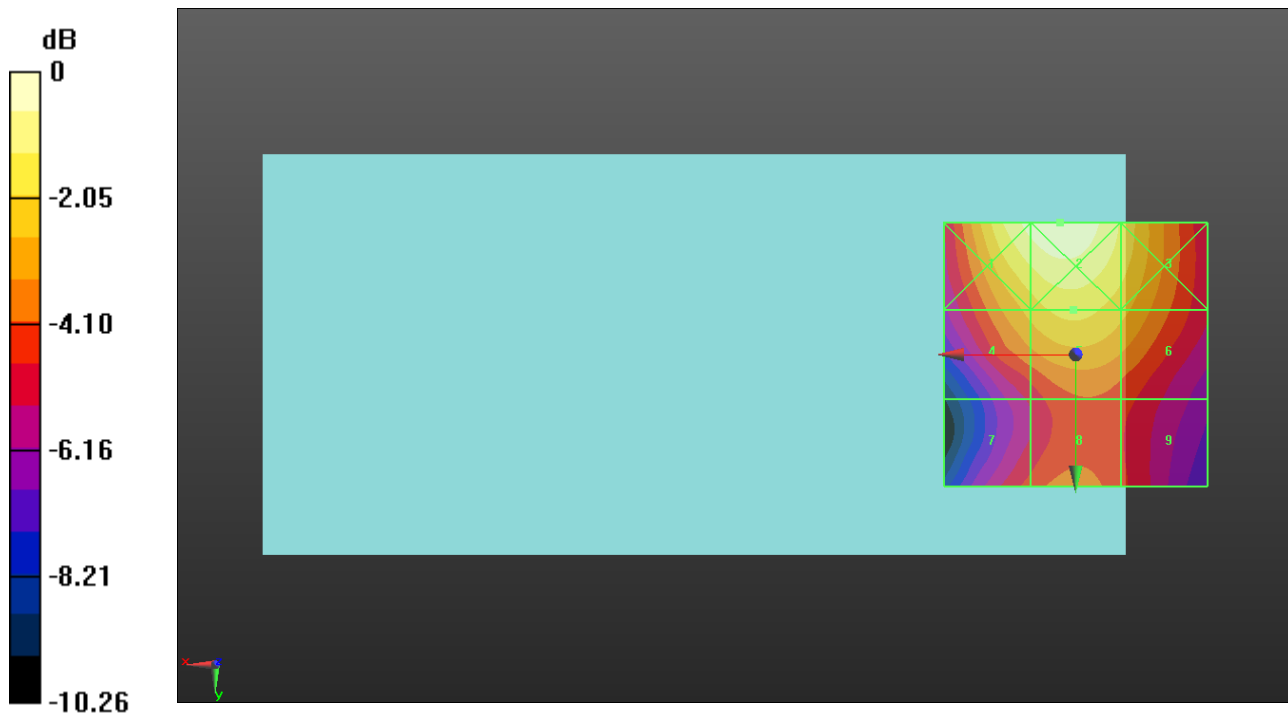
Applied MIF = -1.44 dB

RF audio interference level = 28.22 dBV/m

**Emission category: M4**

MIF scaled E-field

|                          |                          |                          |
|--------------------------|--------------------------|--------------------------|
| Grid 1 M4<br>29.66 dBV/m | Grid 2 M3<br>30.03 dBV/m | Grid 3 M4<br>28.6 dBV/m  |
| Grid 4 M4<br>27.58 dBV/m | Grid 5 M4<br>28.22 dBV/m | Grid 6 M4<br>27.55 dBV/m |
| Grid 7 M4<br>25.58 dBV/m | Grid 8 M4<br>26.22 dBV/m | Grid 9 M4<br>25.58 dBV/m |



0 dB = 31.74 V/m = 30.03 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: 2019-03-21
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

## 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 = 33.24 V/m; Power Drift = 0.01 dB

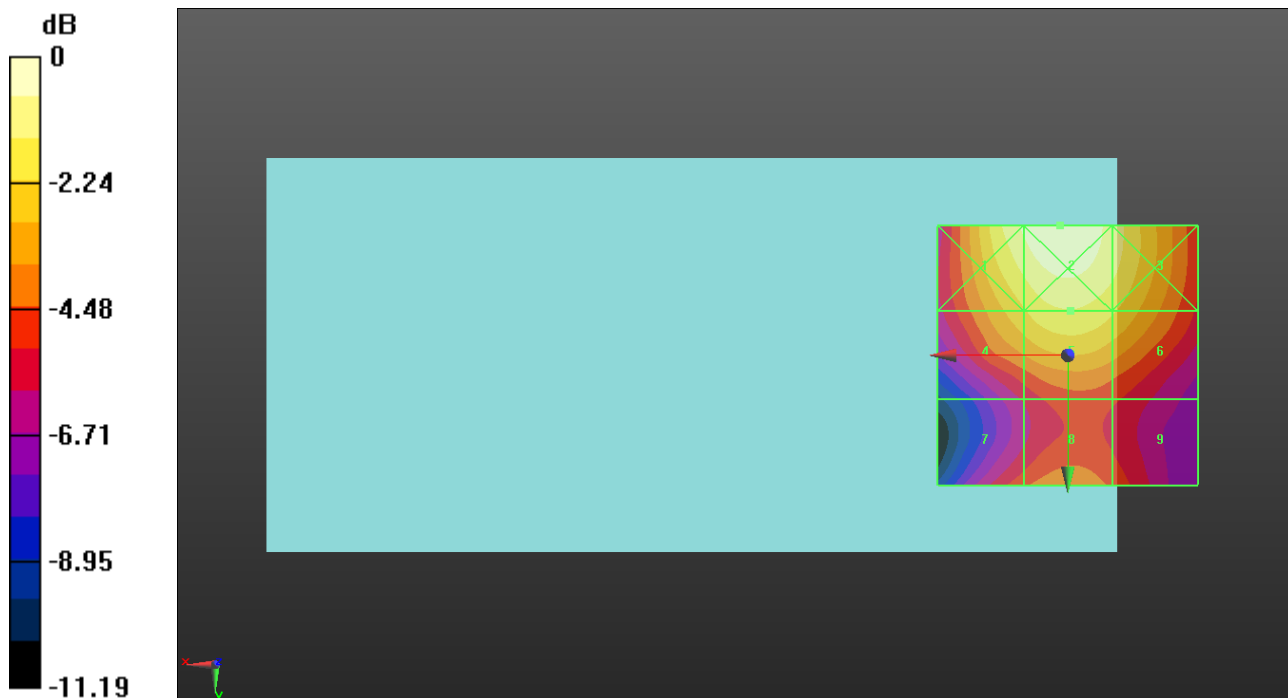
Applied MIF = -1.44 dB

RF audio interference level = 27.83 dBV/m

**Emission category: M4**

MIF scaled E-field

|                          |                          |                          |
|--------------------------|--------------------------|--------------------------|
| Grid 1 M4<br>28.76 dBV/m | Grid 2 M4<br>29.36 dBV/m | Grid 3 M4<br>28.32 dBV/m |
| Grid 4 M4<br>27.04 dBV/m | Grid 5 M4<br>27.83 dBV/m | Grid 6 M4<br>27.25 dBV/m |
| Grid 7 M4<br>24.76 dBV/m | Grid 8 M4<br>25.44 dBV/m | Grid 9 M4<br>24.75 dBV/m |



0 dB = 29.39 V/m = 29.36 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: 2019-03-21
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

## 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 = 30.48 V/m; Power Drift = 0.05 dB

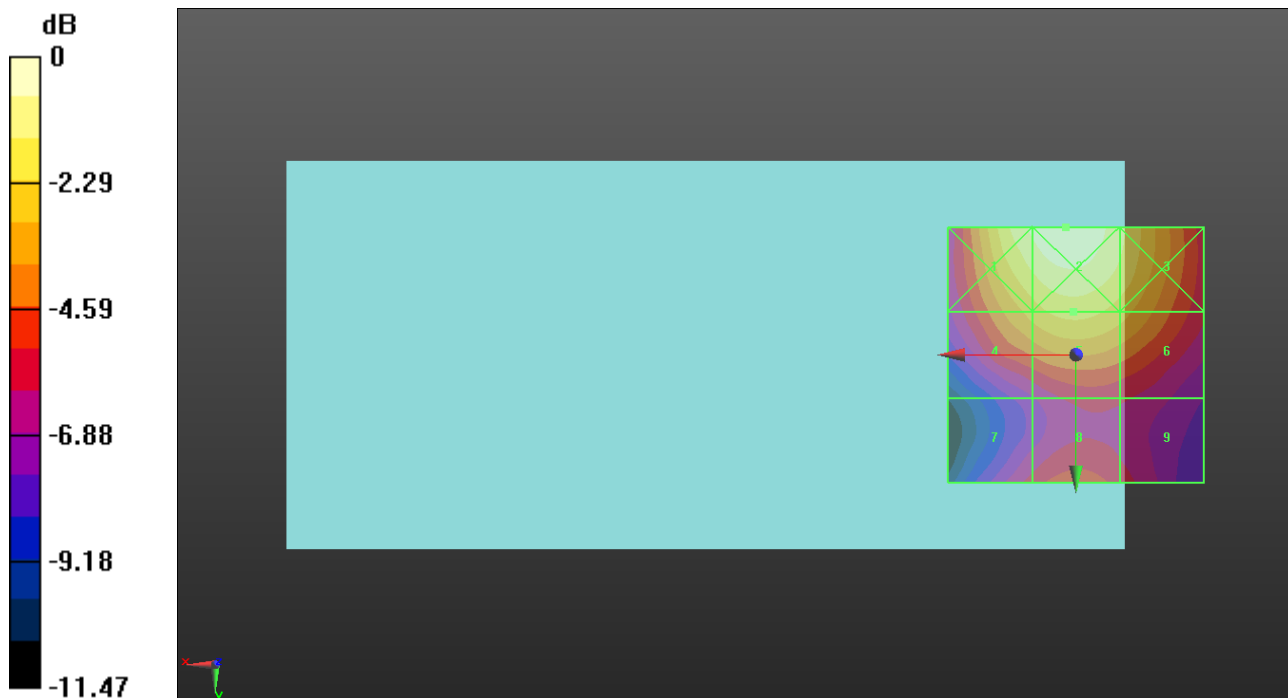
Applied MIF = -1.44 dB

RF audio interference level = 27.30 dBV/m

**Emission category: M4**

MIF scaled E-field

|                          |                          |                          |
|--------------------------|--------------------------|--------------------------|
| Grid 1 M4<br>28.73 dBV/m | Grid 2 M4<br>29.3 dBV/m  | Grid 3 M4<br>28.02 dBV/m |
| Grid 4 M4<br>26.6 dBV/m  | Grid 5 M4<br>27.3 dBV/m  | Grid 6 M4<br>26.63 dBV/m |
| Grid 7 M4<br>23.6 dBV/m  | Grid 8 M4<br>24.38 dBV/m | Grid 9 M4<br>23.67 dBV/m |



0 dB = 29.17 V/m = 29.30 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: 2019-03-21
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

## 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 = 33.54 V/m; Power Drift = 0.05 dB

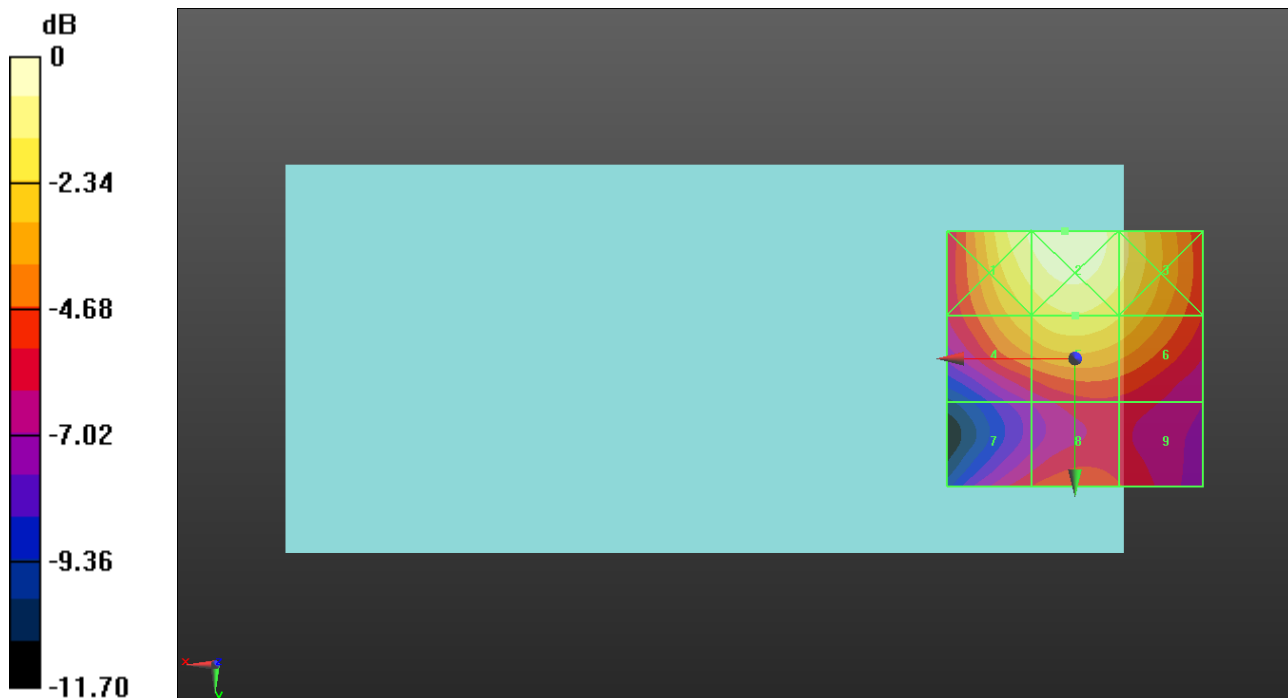
Applied MIF = -1.44 dB

RF audio interference level = 28.13 dBV/m

**Emission category: M4**

MIF scaled E-field

|                          |                          |                          |
|--------------------------|--------------------------|--------------------------|
| Grid 1 M4<br>29.17 dBV/m | Grid 2 M4<br>29.74 dBV/m | Grid 3 M4<br>28.58 dBV/m |
| Grid 4 M4<br>27.43 dBV/m | Grid 5 M4<br>28.13 dBV/m | Grid 6 M4<br>27.49 dBV/m |
| Grid 7 M4<br>24.34 dBV/m | Grid 8 M4<br>25 dBV/m    | Grid 9 M4<br>24.42 dBV/m |



0 dB = 30.69 V/m = 29.74 dBV/m