

### 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: DAE3 Sn500; Calibrated: 5/19/2016
- 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 = 46.59 V/m; Power Drift = 0.07 dB

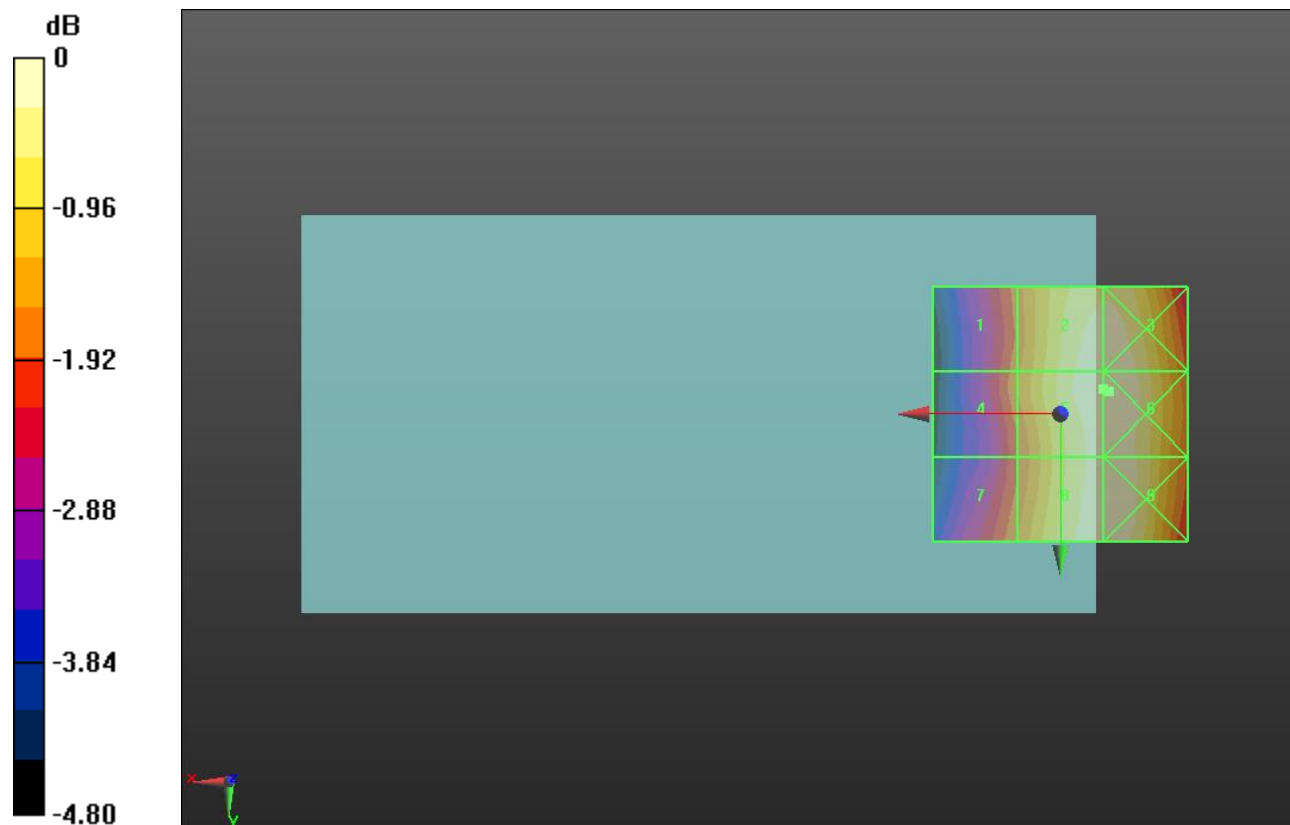
Applied MIF = 3.63 dB

RF audio interference level = 36.06 dBV/m

**Emission category: M4**

MIF scaled E-field

Grid 1 <b>M4</b> <b>34.38 dBV/m</b>	Grid 2 <b>M4</b> <b>36.02 dBV/m</b>	Grid 3 <b>M4</b> <b>36.02 dBV/m</b>
Grid 4 <b>M4</b> <b>34.45 dBV/m</b>	Grid 5 <b>M4</b> <b>36.06 dBV/m</b>	Grid 6 <b>M4</b> <b>36.07 dBV/m</b>
Grid 7 <b>M4</b> <b>34.48 dBV/m</b>	Grid 8 <b>M4</b> <b>36.01 dBV/m</b>	Grid 9 <b>M4</b> <b>36.02 dBV/m</b>



0 dB = 63.57 V/m = 36.07 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: DAE3 Sn500; Calibrated: 5/19/2016
- 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 = 45.12 V/m; Power Drift = -0.02 dB

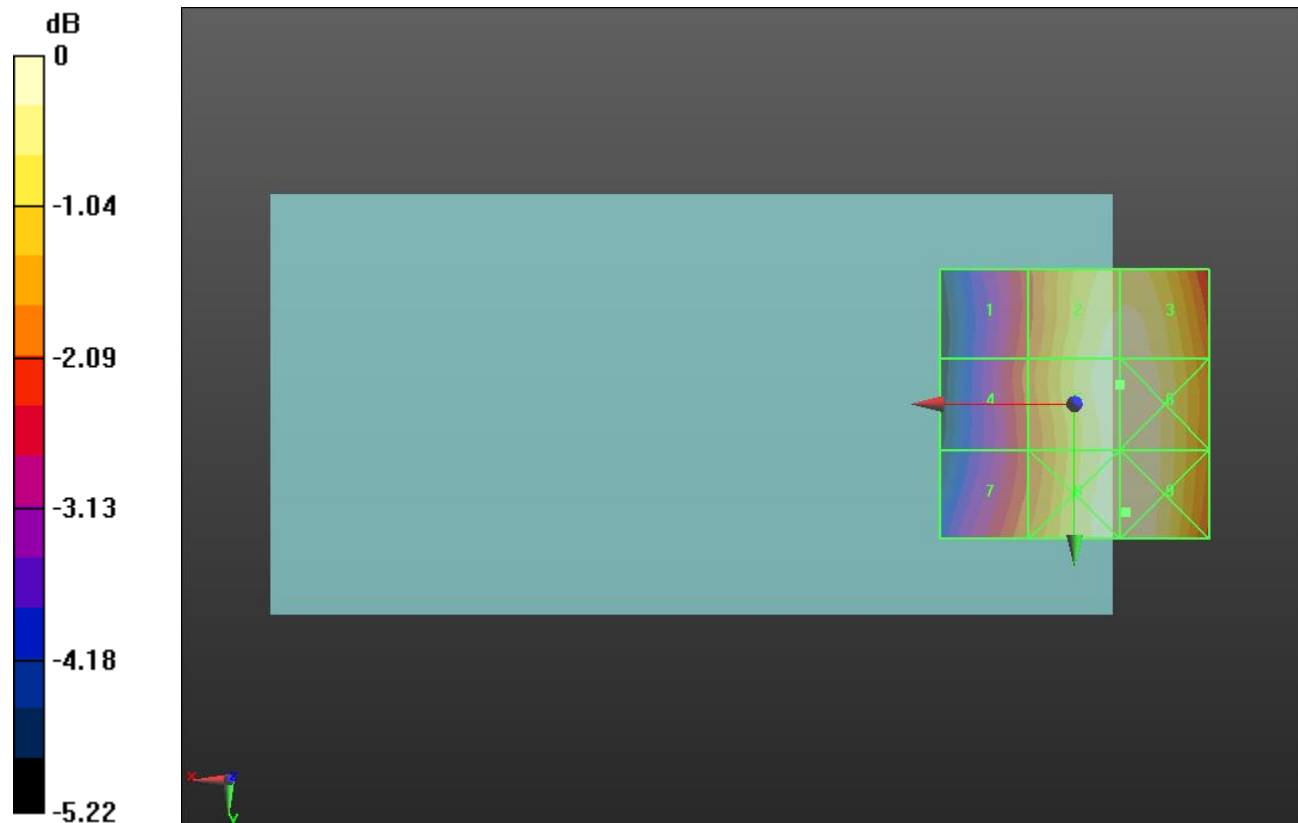
Applied MIF = 3.63 dB

RF audio interference level = 35.83 dBV/m

**Emission category: M4**

MIF scaled E-field

Grid 1 <b>M4</b> <b>33.86 dBV/m</b>	Grid 2 <b>M4</b> <b>35.73 dBV/m</b>	Grid 3 <b>M4</b> <b>35.73 dBV/m</b>
Grid 4 <b>M4</b> <b>33.99 dBV/m</b>	Grid 5 <b>M4</b> <b>35.83 dBV/m</b>	Grid 6 <b>M4</b> <b>35.84 dBV/m</b>
Grid 7 <b>M4</b> <b>34.18 dBV/m</b>	Grid 8 <b>M4</b> <b>35.86 dBV/m</b>	Grid 9 <b>M4</b> <b>35.87 dBV/m</b>



0 dB = 62.16 V/m = 35.87 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: DAE3 Sn500; Calibrated: 5/19/2016
- 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 = 45.93 V/m; Power Drift = -0.04 dB

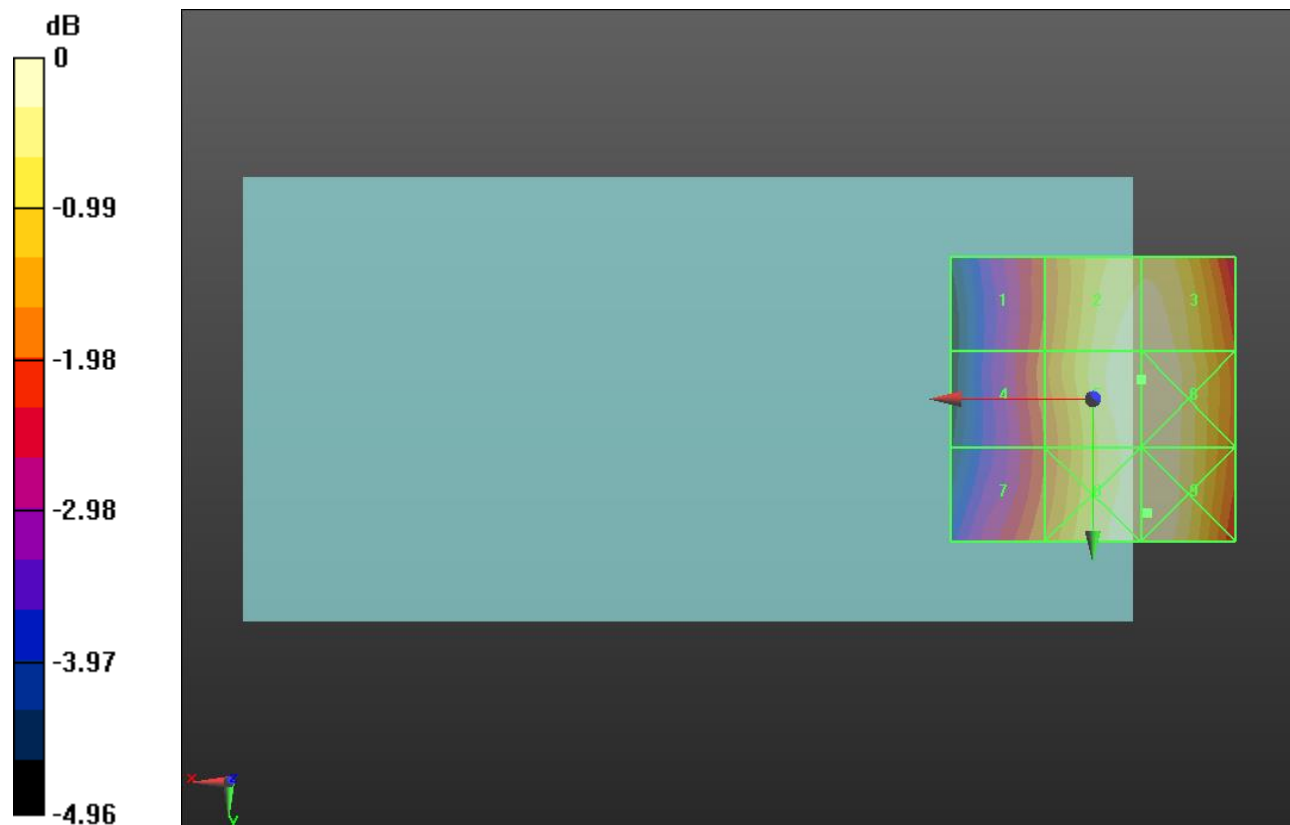
Applied MIF = 3.63 dB

RF audio interference level = 35.89 dBV/m

**Emission category: M4**

MIF scaled E-field

Grid 1 <b>M4</b> <b>34.08 dBV/m</b>	Grid 2 <b>M4</b> <b>35.83 dBV/m</b>	Grid 3 <b>M4</b> <b>35.83 dBV/m</b>
Grid 4 <b>M4</b> <b>34.15 dBV/m</b>	Grid 5 <b>M4</b> <b>35.89 dBV/m</b>	Grid 6 <b>M4</b> <b>35.9 dBV/m</b>
Grid 7 <b>M4</b> <b>34.3 dBV/m</b>	Grid 8 <b>M4</b> <b>35.89 dBV/m</b>	Grid 9 <b>M4</b> <b>35.91 dBV/m</b>



0 dB = 62.43 V/m = 35.91 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: DAE3 Sn500; Calibrated: 5/19/2016
- 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 = 3.475 V/m; Power Drift = -0.29 dB

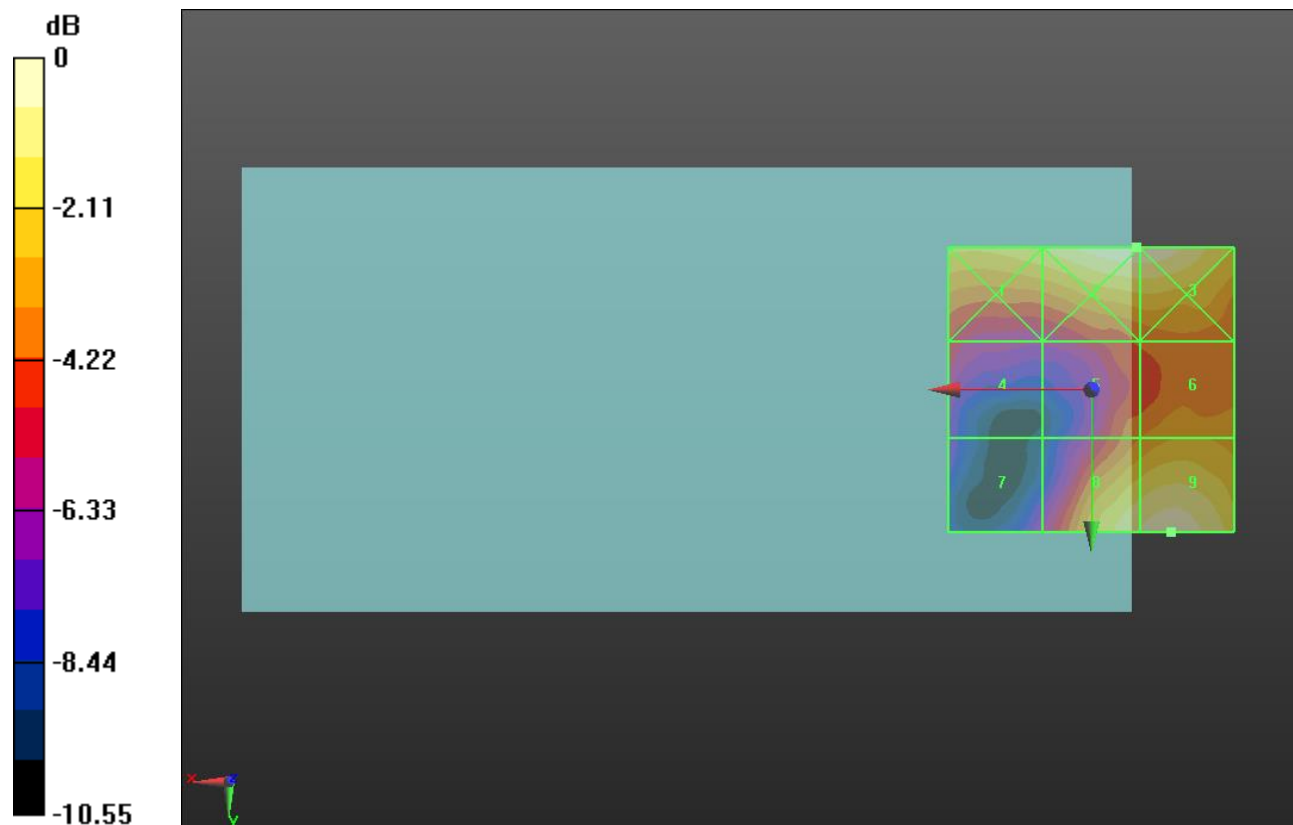
Applied MIF = 3.63 dB

RF audio interference level = 20.27 dBV/m

**Emission category: M4**

MIF scaled E-field

Grid 1 <b>M4</b> <b>19.28 dBV/m</b>	Grid 2 <b>M4</b> <b>20.51 dBV/m</b>	Grid 3 <b>M4</b> <b>20.51 dBV/m</b>
Grid 4 <b>M4</b> <b>15.66 dBV/m</b>	Grid 5 <b>M4</b> <b>17.03 dBV/m</b>	Grid 6 <b>M4</b> <b>17.76 dBV/m</b>
Grid 7 <b>M4</b> <b>14.36 dBV/m</b>	Grid 8 <b>M4</b> <b>19.93 dBV/m</b>	Grid 9 <b>M4</b> <b>20.27 dBV/m</b>



0 dB = 10.61 V/m = 20.51 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: DAE3 Sn500; Calibrated: 5/19/2016
- 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 = 3.470 V/m; Power Drift = -0.34 dB

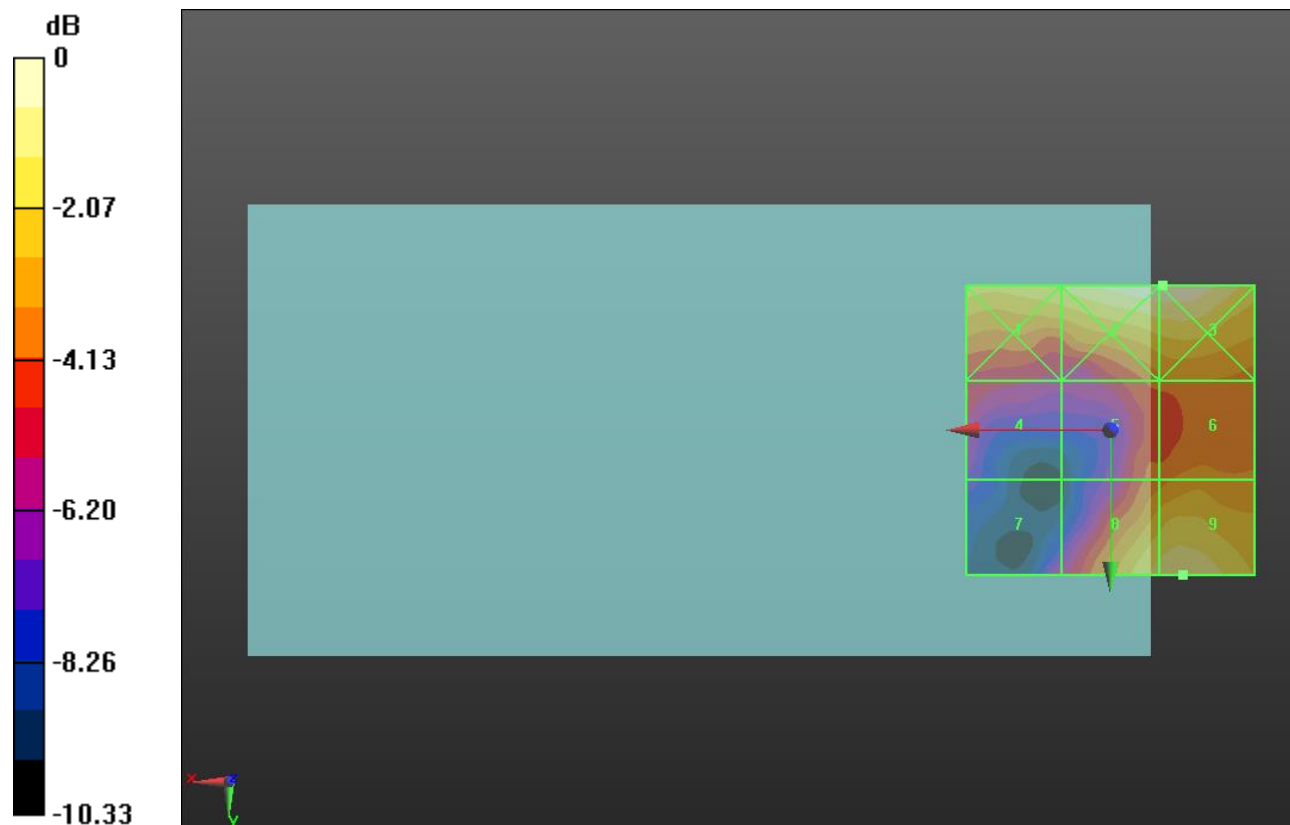
Applied MIF = 3.63 dB

RF audio interference level = 19.98 dBV/m

**Emission category: M4**

MIF scaled E-field

<b>Grid 1 M4</b> <b>19.41 dBV/m</b>	<b>Grid 2 M4</b> <b>20.71 dBV/m</b>	<b>Grid 3 M4</b> <b>20.71 dBV/m</b>
<b>Grid 4 M4</b> <b>16.04 dBV/m</b>	<b>Grid 5 M4</b> <b>17.03 dBV/m</b>	<b>Grid 6 M4</b> <b>17.68 dBV/m</b>
<b>Grid 7 M4</b> <b>15.09 dBV/m</b>	<b>Grid 8 M4</b> <b>19.67 dBV/m</b>	<b>Grid 9 M4</b> <b>19.98 dBV/m</b>



0 dB = 10.85 V/m = 20.71 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: DAE3 Sn500; Calibrated: 5/19/2016
- 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 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 = 3.746 V/m; Power Drift = 0.10 dB

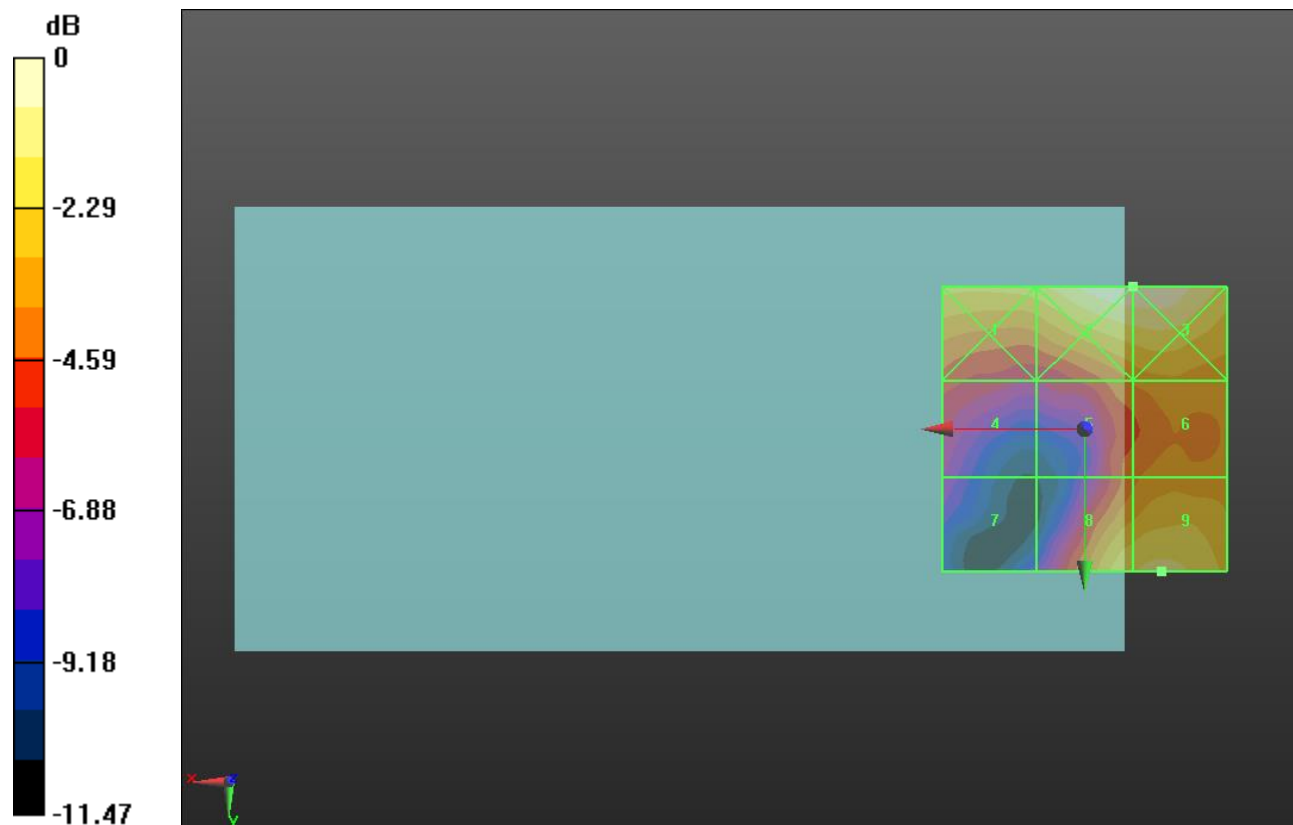
Applied MIF = 3.63 dB

RF audio interference level = 20.79 dBV/m

**Emission category: M4**

MIF scaled E-field

<b>Grid 1 M4</b> <b>20.38 dBV/m</b>	<b>Grid 2 M4</b> <b>22.1 dBV/m</b>	<b>Grid 3 M4</b> <b>22.1 dBV/m</b>
<b>Grid 4 M4</b> <b>17.24 dBV/m</b>	<b>Grid 5 M4</b> <b>18.45 dBV/m</b>	<b>Grid 6 M4</b> <b>18.94 dBV/m</b>
<b>Grid 7 M4</b> <b>15.26 dBV/m</b>	<b>Grid 8 M4</b> <b>20.53 dBV/m</b>	<b>Grid 9 M4</b> <b>20.79 dBV/m</b>



0 dB = 12.73 V/m = 22.10 dBV/m

### HAC-RF Emission

Communication System: UID 10173 - CAB, LTE-TDD (SC-FDMA, 1 RB, 20 MHz, 16-QAM); Frequency: 2580 MHz; Duty Cycle: 1:8.87156

Phantom section: RF Section

DASY5 Configuration:

- Probe: ER3DV6 - SN2509; ConvF(1, 1, 1); Calibrated: 5/13/2016;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE3 Sn500; Calibrated: 5/19/2016
- 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)

### LTE TDD Band 38 E-Field Measurement/16QAM\_RB 1/0\_ch 37850/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 = 9.319 V/m; Power Drift = 0.02 dB

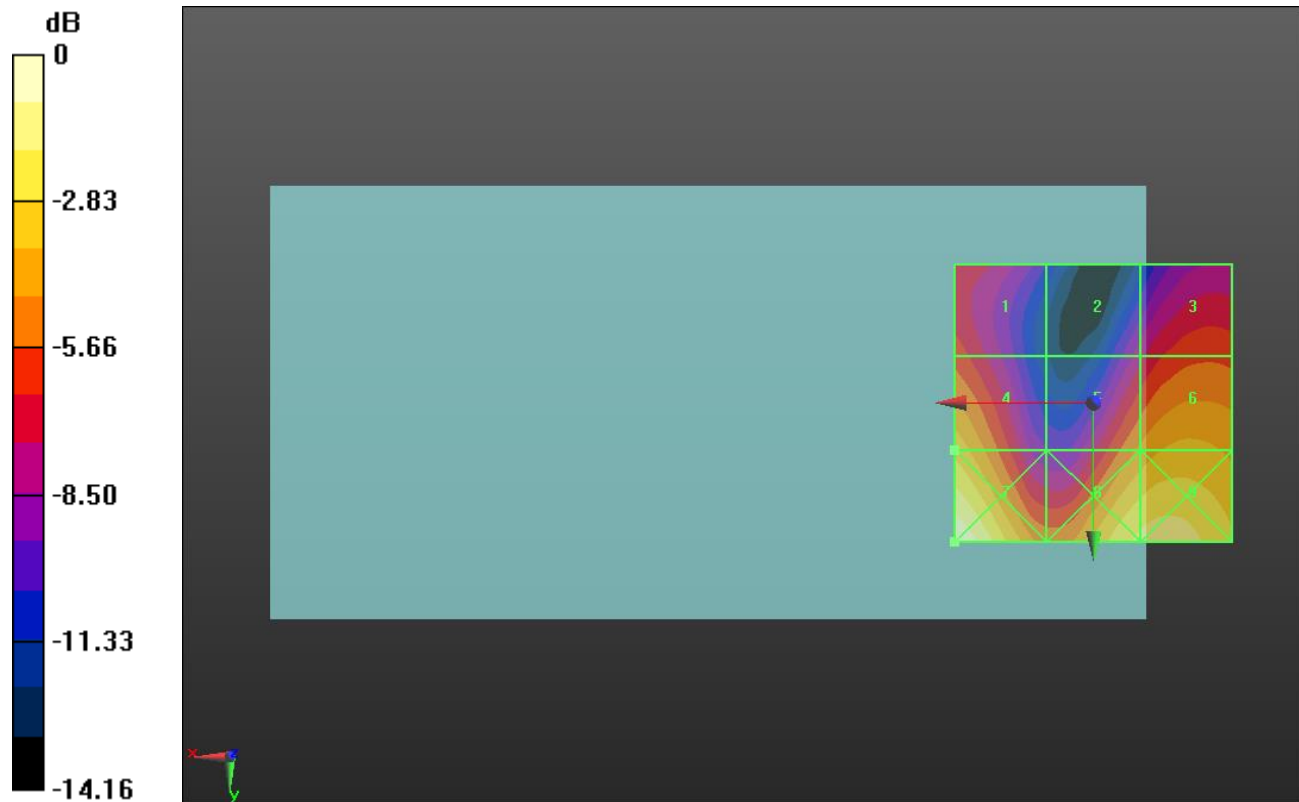
Applied MIF = -1.44 dB

RF audio interference level = 24.59 dBV/m

Emission category: **M4**

MIF scaled E-field

Grid 1 <b>M4</b> <b>21.69 dBV/m</b>	Grid 2 <b>M4</b> <b>19.89 dBV/m</b>	Grid 3 <b>M4</b> <b>21.88 dBV/m</b>
Grid 4 <b>M4</b> <b>24.59 dBV/m</b>	Grid 5 <b>M4</b> <b>23.23 dBV/m</b>	Grid 6 <b>M4</b> <b>24.21 dBV/m</b>
Grid 7 <b>M4</b> <b>27.7 dBV/m</b>	Grid 8 <b>M4</b> <b>26.08 dBV/m</b>	Grid 9 <b>M4</b> <b>26.33 dBV/m</b>



0 dB = 24.27 V/m = 27.70 dBV/m

### HAC-RF Emission

Communication System: UID 10173 - CAB, LTE-TDD (SC-FDMA, 1 RB, 20 MHz, 16-QAM); Frequency: 2595 MHz; Duty Cycle: 1:8.87156

Phantom section: RF Section

DASY5 Configuration:

- Probe: ER3DV6 - SN2509; ConvF(1, 1, 1); Calibrated: 5/13/2016;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE3 Sn500; Calibrated: 5/19/2016
- 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)

### LTE TDD Band 38 E-Field Measurement/16QAM\_RB 1/0\_ch 38000/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 = 10.18 V/m; Power Drift = 0.02 dB

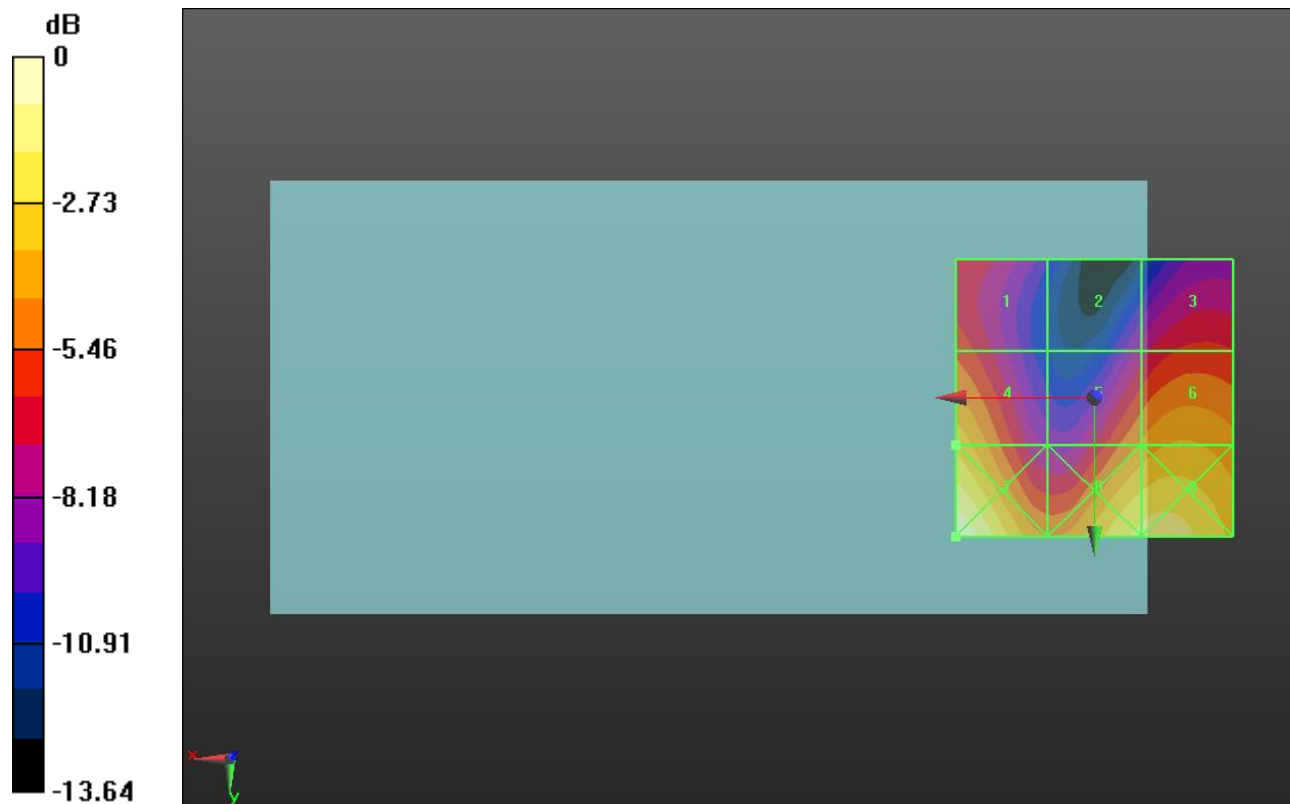
Applied MIF = -1.44 dB

RF audio interference level = 24.98 dBV/m

Emission category: **M4**

MIF scaled E-field

Grid 1 <b>M4</b> <b>22.25 dBV/m</b>	Grid 2 <b>M4</b> <b>20.2 dBV/m</b>	Grid 3 <b>M4</b> <b>21.84 dBV/m</b>
Grid 4 <b>M4</b> <b>24.98 dBV/m</b>	Grid 5 <b>M4</b> <b>23.61 dBV/m</b>	Grid 6 <b>M4</b> <b>24.42 dBV/m</b>
Grid 7 <b>M4</b> <b>27.92 dBV/m</b>	Grid 8 <b>M4</b> <b>26.4 dBV/m</b>	Grid 9 <b>M4</b> <b>26.57 dBV/m</b>



0 dB = 24.90 V/m = 27.92 dBV/m



### HAC-RF Emission

Communication System: UID 10173 - CAB, LTE-TDD (SC-FDMA, 1 RB, 20 MHz, 16-QAM); Frequency: 2610 MHz; Duty Cycle: 1:8.87156

Phantom section: RF Section

DASY5 Configuration:

- Probe: ER3DV6 - SN2509; ConvF(1, 1, 1); Calibrated: 5/13/2016;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE3 Sn500; Calibrated: 5/19/2016
- 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)

### LTE TDD Band 38 E-Field Measurement/16QAM\_RB 1/0\_ch 38150/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 = 10.49 V/m; Power Drift = 0.01 dB

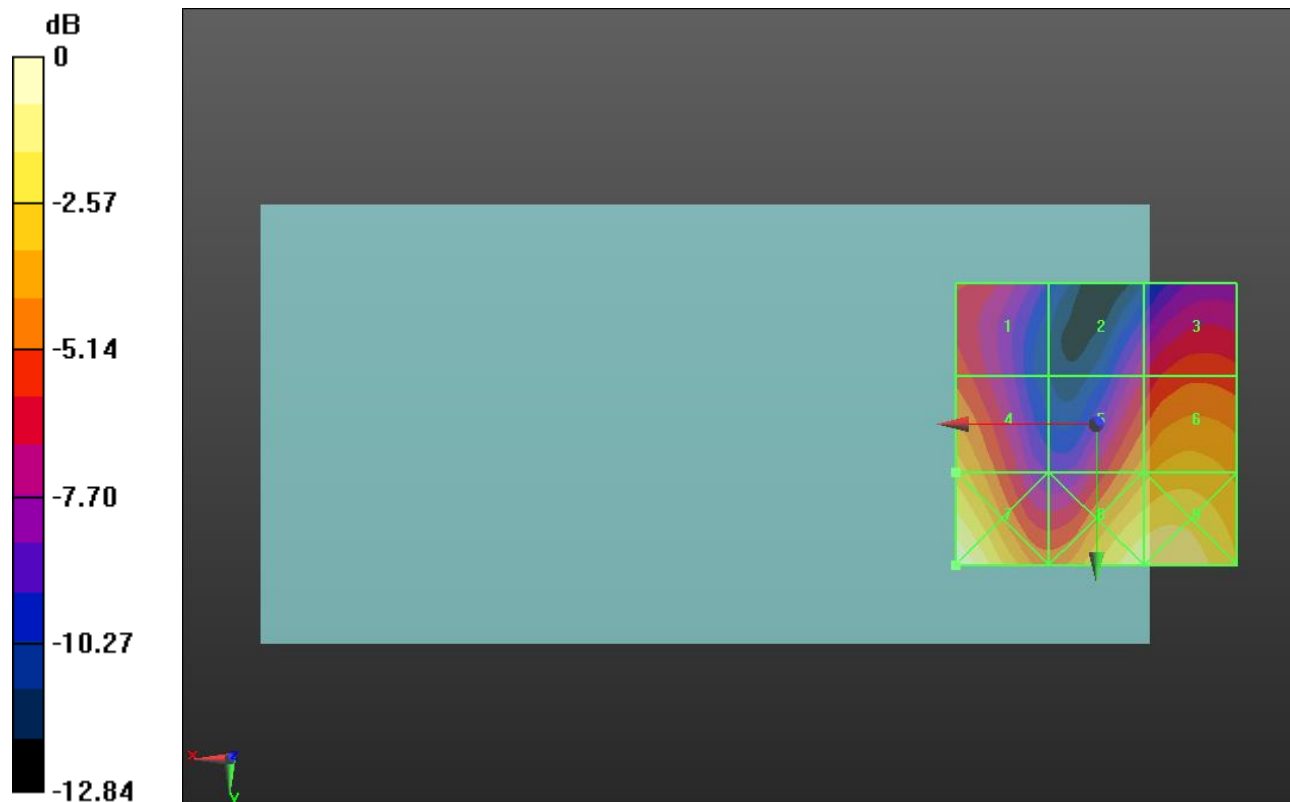
Applied MIF = -1.44 dB

RF audio interference level = 24.79 dBV/m

Emission category: **M4**

MIF scaled E-field

Grid 1 <b>M4</b> <b>22.29 dBV/m</b>	Grid 2 <b>M4</b> <b>20.84 dBV/m</b>	Grid 3 <b>M4</b> <b>22.36 dBV/m</b>
Grid 4 <b>M4</b> <b>24.79 dBV/m</b>	Grid 5 <b>M4</b> <b>23.89 dBV/m</b>	Grid 6 <b>M4</b> <b>24.71 dBV/m</b>
Grid 7 <b>M4</b> <b>27.65 dBV/m</b>	Grid 8 <b>M4</b> <b>26.59 dBV/m</b>	Grid 9 <b>M4</b> <b>26.72 dBV/m</b>



0 dB = 24.12 V/m = 27.65 dBV/m

### HAC-RF Emission

Communication System: UID 10173 - CAB, 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); Calibrated: 5/13/2016;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE3 Sn500; Calibrated: 5/19/2016
- 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)

### LTE TDD Band 41 E-Field measurement/16QAM\_RB 1/0\_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 = 6.387 V/m; Power Drift = 0.08 dB

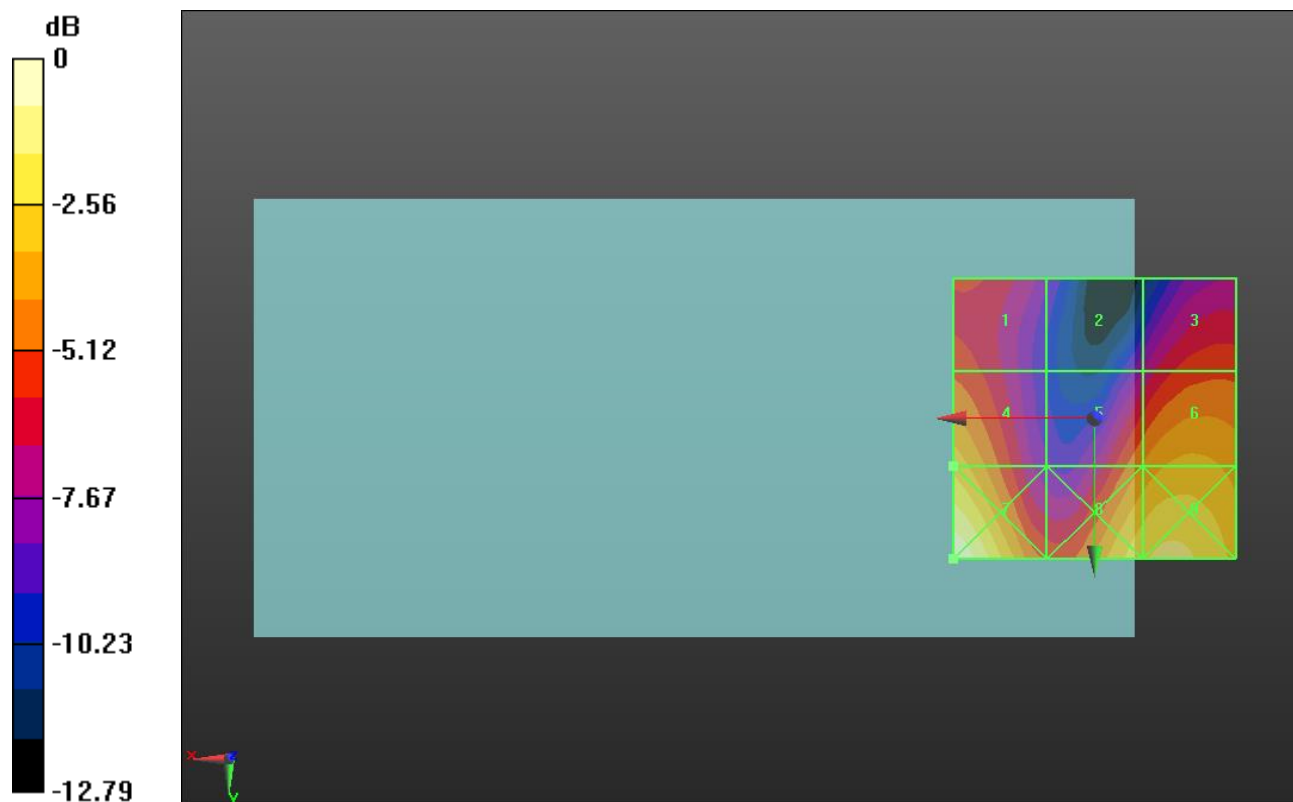
Applied MIF = -1.44 dB

RF audio interference level = 22.10 dBV/m

Emission category: **M4**

MIF scaled E-field

Grid 1 <b>M4</b> <b>19.63 dBV/m</b>	Grid 2 <b>M4</b> <b>17.27 dBV/m</b>	Grid 3 <b>M4</b> <b>19.62 dBV/m</b>
Grid 4 <b>M4</b> <b>22.1 dBV/m</b>	Grid 5 <b>M4</b> <b>20.75 dBV/m</b>	Grid 6 <b>M4</b> <b>21.79 dBV/m</b>
Grid 7 <b>M4</b> <b>24.91 dBV/m</b>	Grid 8 <b>M4</b> <b>23.07 dBV/m</b>	Grid 9 <b>M4</b> <b>23.43 dBV/m</b>



0 dB = 17.60 V/m = 24.91 dBV/m

### HAC-RF Emission

Communication System: UID 10173 - CAB, 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); Calibrated: 5/13/2016;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE3 Sn500; Calibrated: 5/19/2016
- 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)

### LTE TDD Band 41 E-Field measurement/16QAM\_RB 1/0\_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 = 5.323 V/m; Power Drift = 0.06 dB

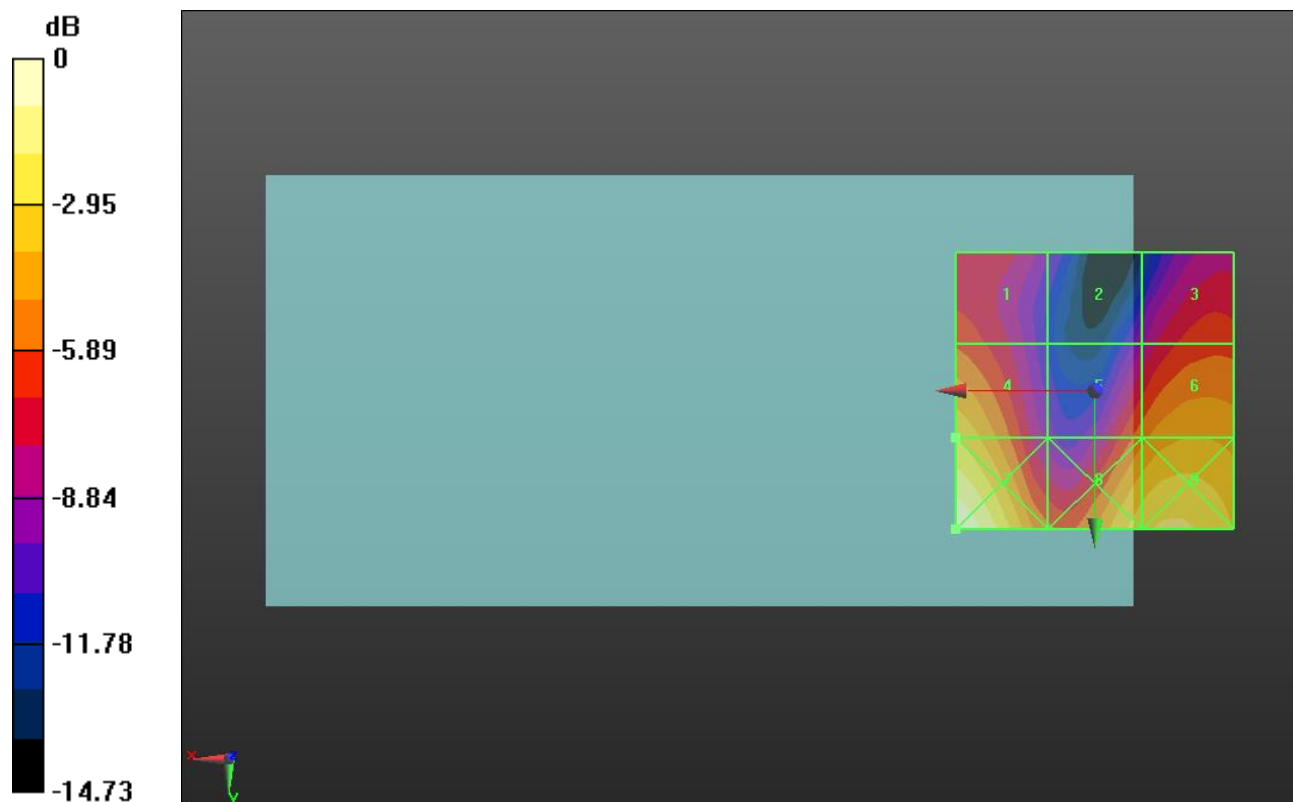
Applied MIF = -1.44 dB

RF audio interference level = 22.49 dBV/m

Emission category: **M4**

MIF scaled E-field

Grid 1 <b>M4</b> <b>19.43 dBV/m</b>	Grid 2 <b>M4</b> <b>16.56 dBV/m</b>	Grid 3 <b>M4</b> <b>19.3 dBV/m</b>
Grid 4 <b>M4</b> <b>22.49 dBV/m</b>	Grid 5 <b>M4</b> <b>20.24 dBV/m</b>	Grid 6 <b>M4</b> <b>21.56 dBV/m</b>
Grid 7 <b>M4</b> <b>25.44 dBV/m</b>	Grid 8 <b>M4</b> <b>23.19 dBV/m</b>	Grid 9 <b>M4</b> <b>23.67 dBV/m</b>



0 dB = 18.71 V/m = 25.44 dBV/m

### HAC-RF Emission

Communication System: UID 10173 - CAB, 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); Calibrated: 5/13/2016;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE3 Sn500; Calibrated: 5/19/2016
- 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)

### LTE TDD Band 41 E-Field measurement/16QAM\_RB 1/0\_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 = 6.353 V/m; Power Drift = -0.12 dB

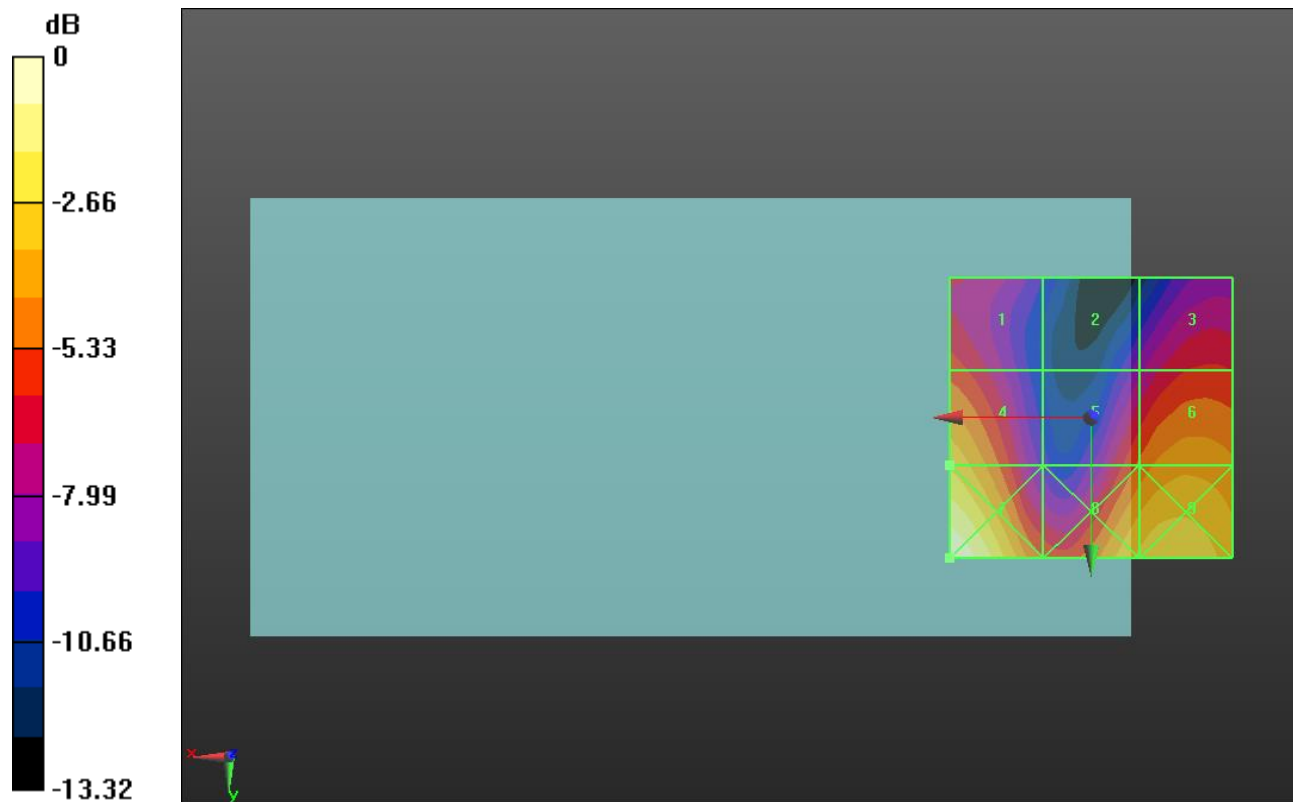
Applied MIF = -1.44 dB

RF audio interference level = 22.88 dBV/m

Emission category: **M4**

MIF scaled E-field

Grid 1 <b>M4</b> <b>19.99 dBV/m</b>	Grid 2 <b>M4</b> <b>17.37 dBV/m</b>	Grid 3 <b>M4</b> <b>19.62 dBV/m</b>
Grid 4 <b>M4</b> <b>22.88 dBV/m</b>	Grid 5 <b>M4</b> <b>20.58 dBV/m</b>	Grid 6 <b>M4</b> <b>21.89 dBV/m</b>
Grid 7 <b>M4</b> <b>25.65 dBV/m</b>	Grid 8 <b>M4</b> <b>23.19 dBV/m</b>	Grid 9 <b>M4</b> <b>23.66 dBV/m</b>



0 dB = 19.17 V/m = 25.65 dBV/m

## HAC-RF Emission

Communication System: UID 10173 - CAB, 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); Calibrated: 5/13/2016;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE3 Sn500; Calibrated: 5/19/2016
- 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)

### LTE TDD Band 41 E-Field measurement/16QAM\_RB 1/0\_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 = 5.404 V/m; Power Drift = -0.10 dB

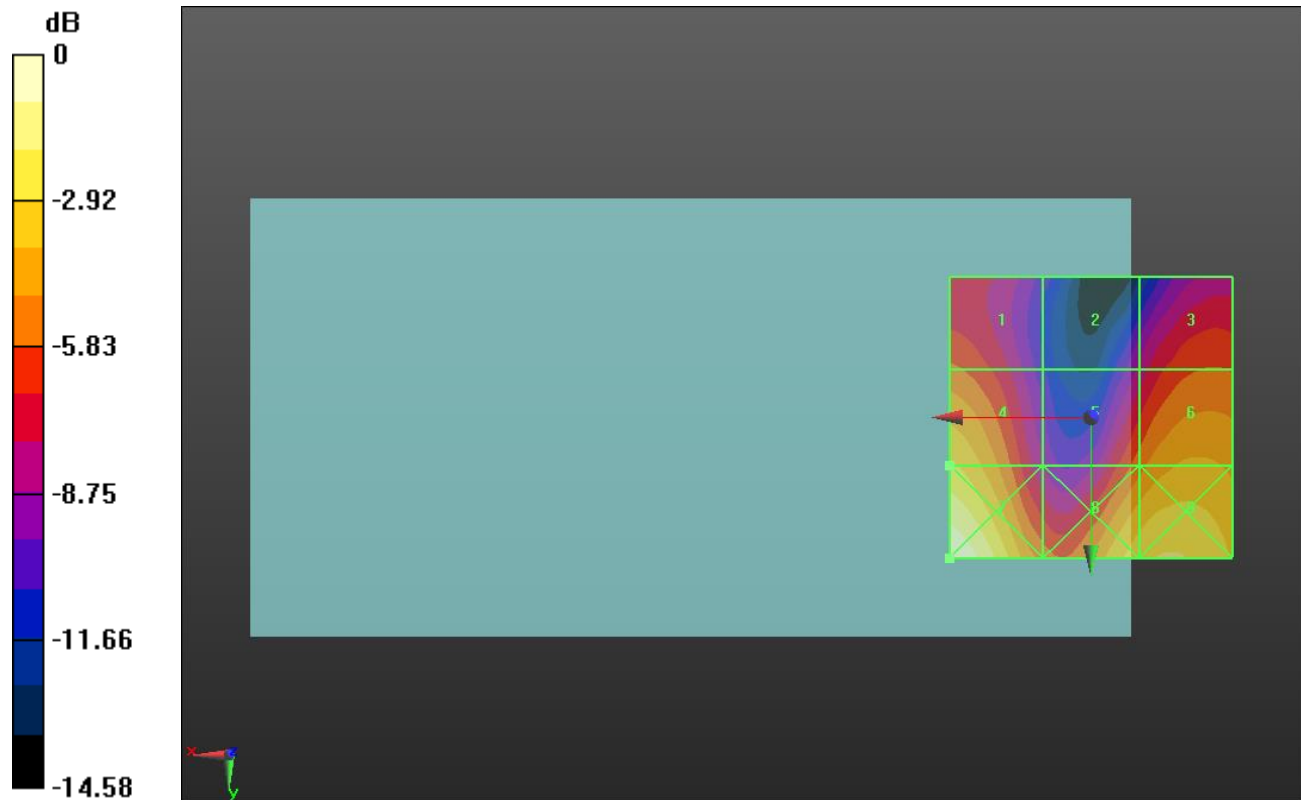
Applied MIF = -1.44 dB

RF audio interference level = 23.25 dBV/m

Emission category: **M4**

MIF scaled E-field

Grid 1 <b>M4</b> <b>20.4 dBV/m</b>	Grid 2 <b>M4</b> <b>17.58 dBV/m</b>	Grid 3 <b>M4</b> <b>20.24 dBV/m</b>
Grid 4 <b>M4</b> <b>23.25 dBV/m</b>	Grid 5 <b>M4</b> <b>20.72 dBV/m</b>	Grid 6 <b>M4</b> <b>22.27 dBV/m</b>
Grid 7 <b>M4</b> <b>25.97 dBV/m</b>	Grid 8 <b>M4</b> <b>23.67 dBV/m</b>	Grid 9 <b>M4</b> <b>24.11 dBV/m</b>



0 dB = 19.89 V/m = 25.97 dBV/m

## HAC-RF Emission

Communication System: UID 10173 - CAB, LTE-TDD (SC-FDMA, 1 RB, 20 MHz, 16-QAM); Frequency: 2689.9 MHz; Duty Cycle: 1:8.87156

Phantom section: RF Section

DASY5 Configuration:

- Probe: ER3DV6 - SN2509; ConvF(1, 1, 1); Calibrated: 5/13/2016;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE3 Sn500; Calibrated: 5/19/2016
- 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)

## LTE TDD Band 41 E-Field measurement/16QAM\_RB 1/0\_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 = 5.073 V/m; Power Drift = -0.09 dB

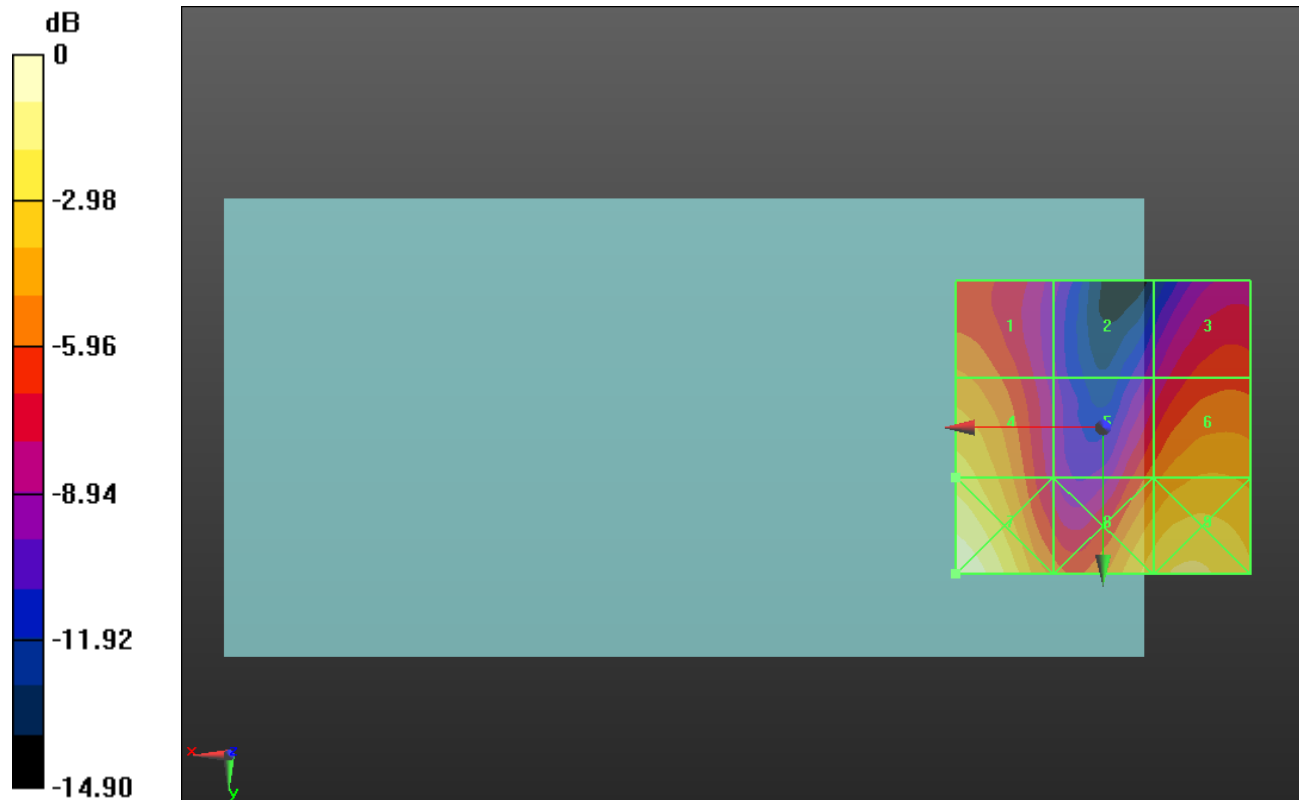
Applied MIF = -1.44 dB

RF audio interference level = 23.19 dBV/m

**Emission category: M4**

MIF scaled E-field

Grid 1 <b>M4</b> <b>20.84 dBV/m</b>	Grid 2 <b>M4</b> <b>16.55 dBV/m</b>	Grid 3 <b>M4</b> <b>19.34 dBV/m</b>
Grid 4 <b>M4</b> <b>23.19 dBV/m</b>	Grid 5 <b>M4</b> <b>20.18 dBV/m</b>	Grid 6 <b>M4</b> <b>21.7 dBV/m</b>
Grid 7 <b>M4</b> <b>25.56 dBV/m</b>	Grid 8 <b>M4</b> <b>23.16 dBV/m</b>	Grid 9 <b>M4</b> <b>23.76 dBV/m</b>



0 dB = 18.96 V/m = 25.56 dBV/m

### HAC-RF Emission

Communication System: UID 10077 - CAB, IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 54 Mbps); Frequency: 2412 MHz; Duty Cycle: 1:12.5893

Phantom section: RF Section

DASY5 Configuration:

- Probe: ER3DV6 - SN2509; ConvF(1, 1, 1); Calibrated: 5/13/2016;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE3 Sn500; Calibrated: 5/19/2016
- 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)

### 802.11g Chain 0 E-Field Measurement/IEEE 802.11g\_OFDM 54 Mbps\_ch 1/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 = 9.246 V/m; Power Drift = -0.00 dB

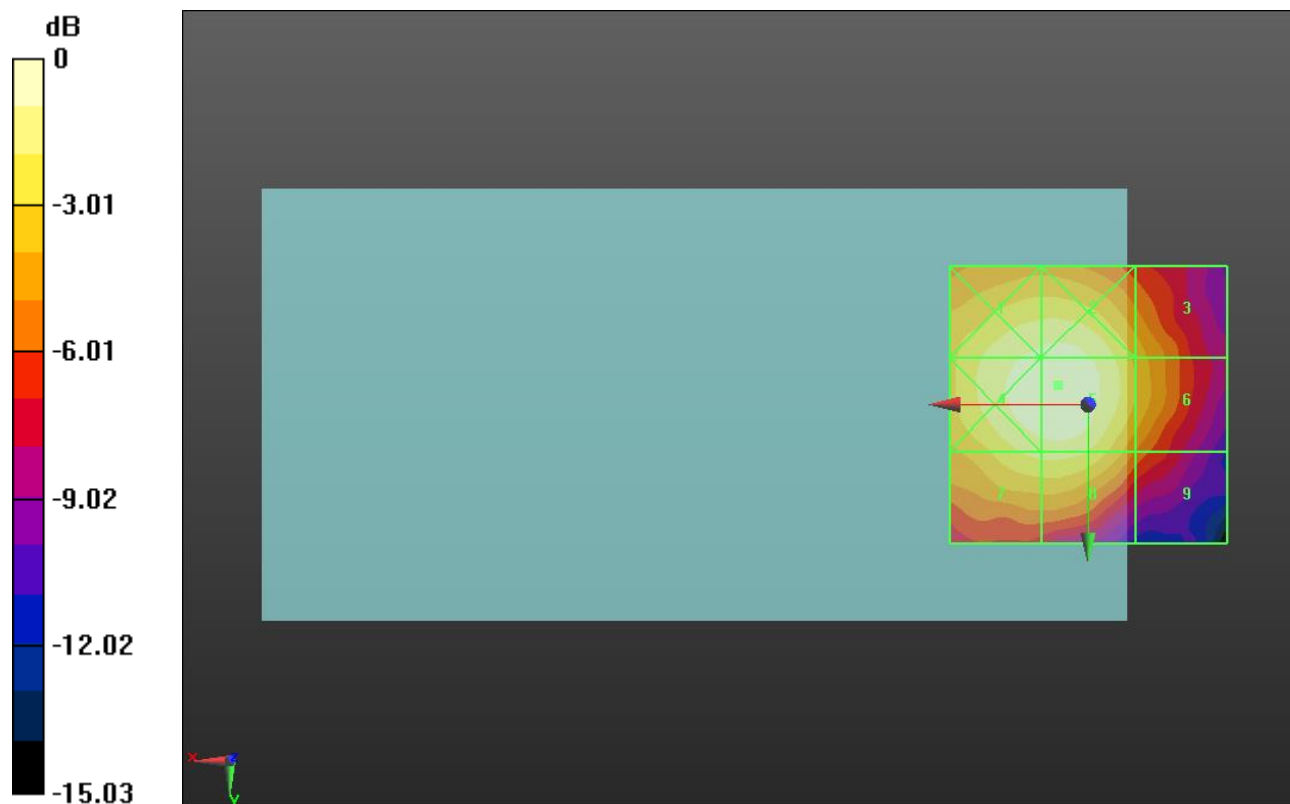
Applied MIF = 0.12 dB

RF audio interference level = 16.68 dBV/m

Emission category: **M4**

MIF scaled E-field

Grid 1 <b>M4</b> <b>16 dBV/m</b>	Grid 2 <b>M4</b> <b>16.16 dBV/m</b>	Grid 3 <b>M4</b> <b>13.42 dBV/m</b>
Grid 4 <b>M4</b> <b>16.57 dBV/m</b>	Grid 5 <b>M4</b> <b>16.68 dBV/m</b>	Grid 6 <b>M4</b> <b>13.73 dBV/m</b>
Grid 7 <b>M4</b> <b>15.05 dBV/m</b>	Grid 8 <b>M4</b> <b>15.13 dBV/m</b>	Grid 9 <b>M4</b> <b>11.62 dBV/m</b>



0 dB = 6.826 V/m = 16.68 dBV/m

### HAC-RF Emission

Communication System: UID 10077 - CAA, IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 54 Mbps); Frequency: 2437 MHz; Duty Cycle: 1:12.5893

Phantom section: RF Section

DASY5 Configuration:

- Probe: ER3DV6 - SN2509; ConvF(1, 1, 1); Calibrated: 5/13/2016;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE3 Sn500; Calibrated: 5/19/2016
- 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)

### 802.11g Chain 0 E-Field Measurement/IEEE 802.11g\_OFDM 54 Mbps\_ch 6/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 = 19.32 V/m; Power Drift = -0.07 dB

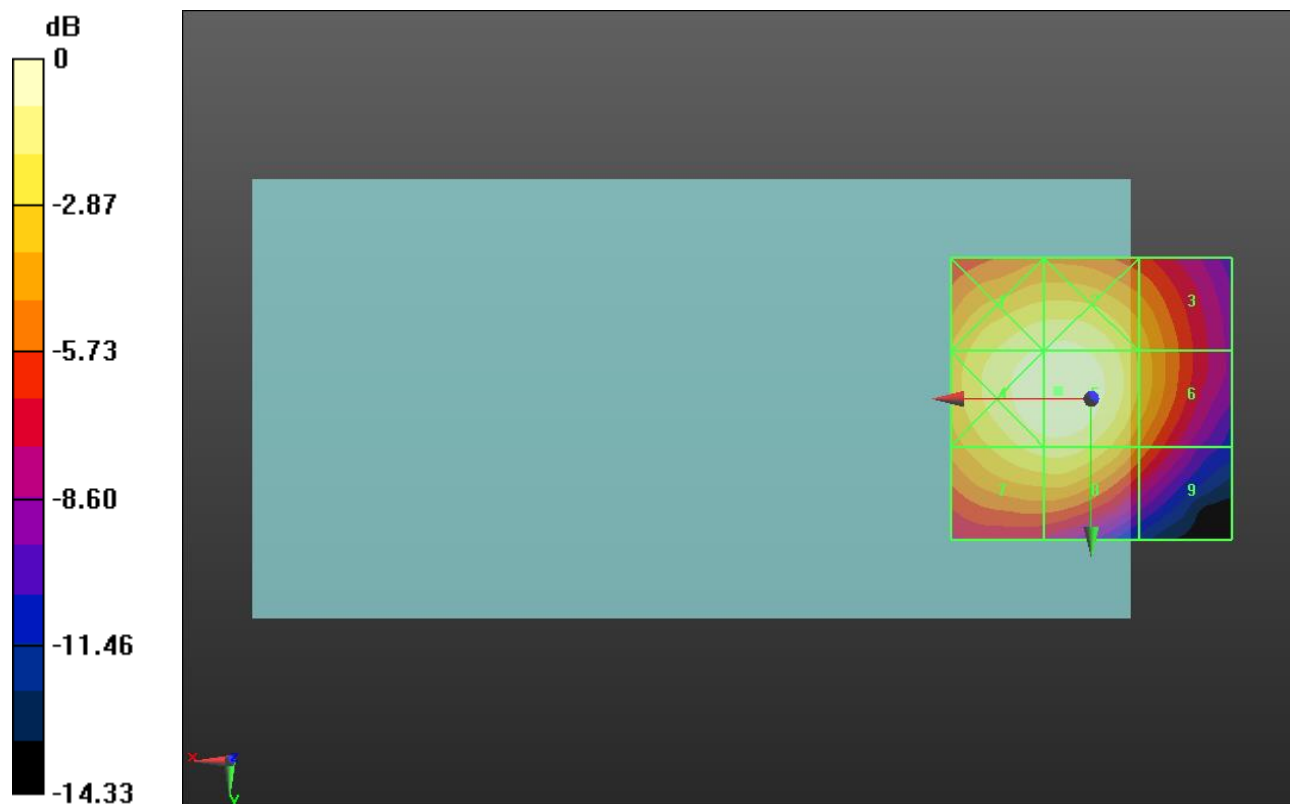
Applied MIF = 0.12 dB

RF audio interference level = 22.87 dBV/m

Emission category: **M4**

MIF scaled E-field

Grid 1 <b>M4</b> <b>22.12 dBV/m</b>	Grid 2 <b>M4</b> <b>22.25 dBV/m</b>	Grid 3 <b>M4</b> <b>19.77 dBV/m</b>
Grid 4 <b>M4</b> <b>22.76 dBV/m</b>	Grid 5 <b>M4</b> <b>22.87 dBV/m</b>	Grid 6 <b>M4</b> <b>19.96 dBV/m</b>
Grid 7 <b>M4</b> <b>21.44 dBV/m</b>	Grid 8 <b>M4</b> <b>21.56 dBV/m</b>	Grid 9 <b>M4</b> <b>18.04 dBV/m</b>



0 dB = 13.92 V/m = 22.87 dBV/m



### HAC-RF Emission

Communication System: UID 10077 - CAA, IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 54 Mbps); Frequency: 2462 MHz; Duty Cycle: 1:12.5893

Phantom section: RF Section

DASY5 Configuration:

- Probe: ER3DV6 - SN2509; ConvF(1, 1, 1); Calibrated: 5/13/2016;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE3 Sn500; Calibrated: 5/19/2016
- 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)

### 802.11g Chain 0 E-Field Measurement/IEEE 802.11g\_OFDM 54 Mbps\_ch 11/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 = 14.97 V/m; Power Drift = 0.07 dB

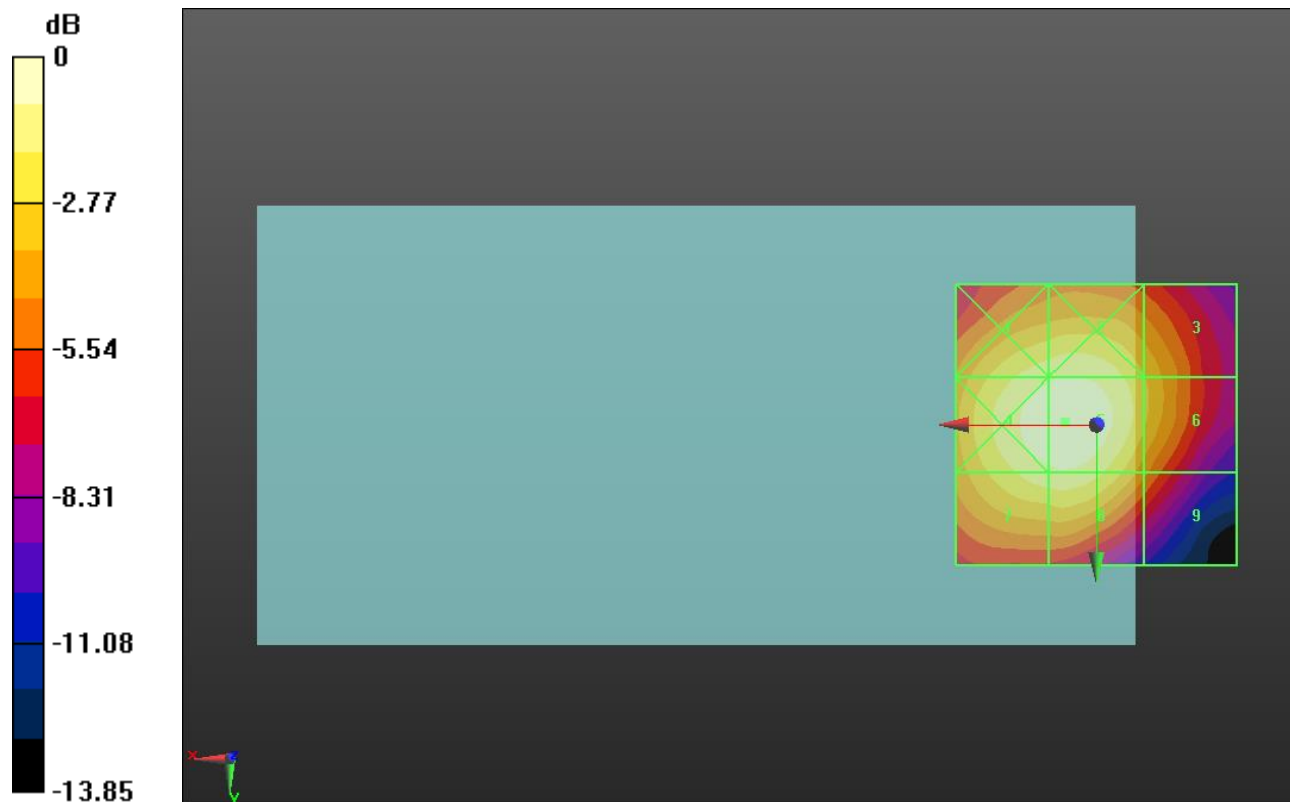
Applied MIF = 0.12 dB

RF audio interference level = 20.62 dBV/m

Emission category: **M4**

MIF scaled E-field

Grid 1 <b>M4</b> <b>19.49 dBV/m</b>	Grid 2 <b>M4</b> <b>19.76 dBV/m</b>	Grid 3 <b>M4</b> <b>17.88 dBV/m</b>
Grid 4 <b>M4</b> <b>20.42 dBV/m</b>	Grid 5 <b>M4</b> <b>20.62 dBV/m</b>	Grid 6 <b>M4</b> <b>18.15 dBV/m</b>
Grid 7 <b>M4</b> <b>19.45 dBV/m</b>	Grid 8 <b>M4</b> <b>19.58 dBV/m</b>	Grid 9 <b>M4</b> <b>16.3 dBV/m</b>



0 dB = 10.74 V/m = 20.62 dBV/m

### HAC-RF Emission

Communication System: UID 10061 - CAA, IEEE 802.11b WiFi 2.4 GHz (DSSS, 11 Mbps); Frequency: 2412 MHz; Duty Cycle: 1:2.29087

Phantom section: RF Section

DASY5 Configuration:

- Probe: ER3DV6 - SN2509; ConvF(1, 1, 1); Calibrated: 5/13/2016;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE3 Sn500; Calibrated: 5/19/2016
- 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)

### 802.11b Chain 1 E-Field Measurement/IEEE 802.11b\_DSSS 11 Mbps\_ch 1/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 = 29.29 V/m; Power Drift = -0.33 dB

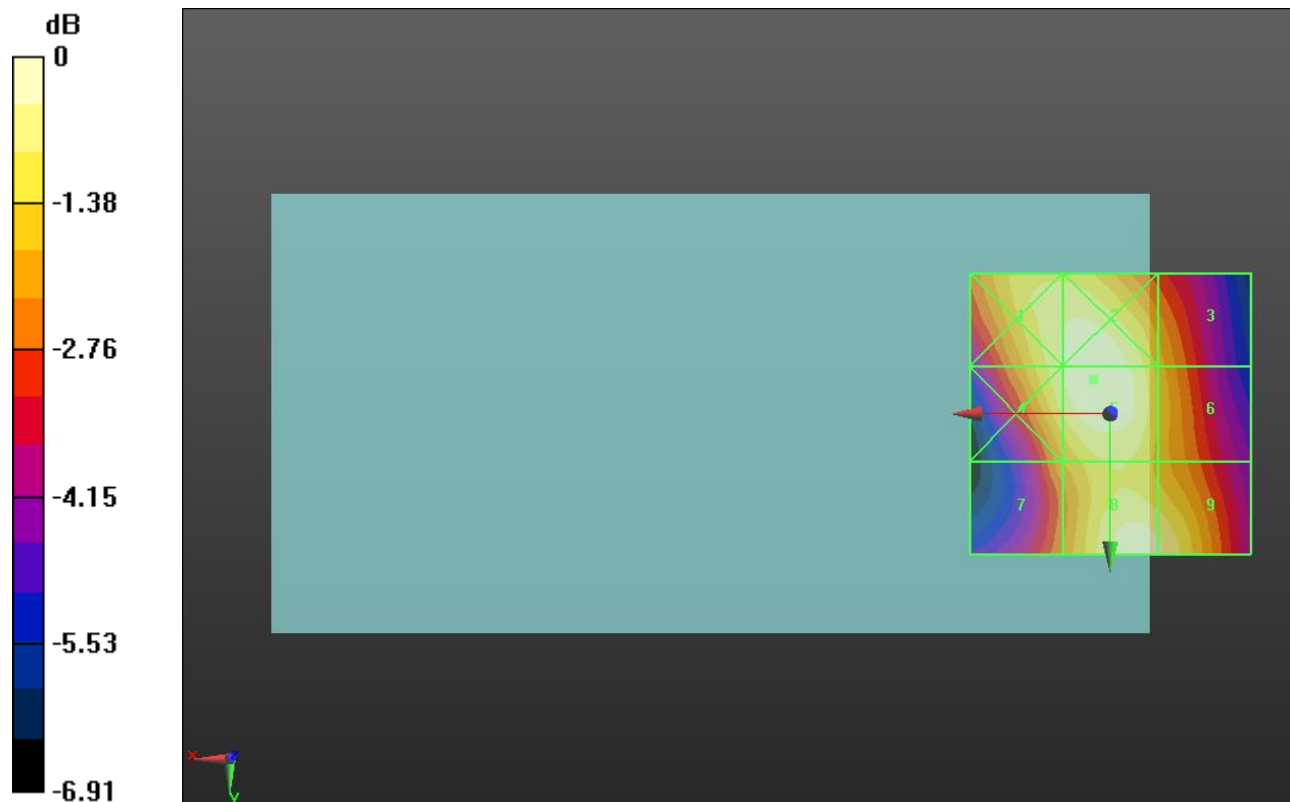
Applied MIF = -2.02 dB

RF audio interference level = 24.04 dBV/m

Emission category: **M4**

MIF scaled E-field

Grid 1 <b>M4</b> <b>23.63 dBV/m</b>	Grid 2 <b>M4</b> <b>24 dBV/m</b>	Grid 3 <b>M4</b> <b>22.49 dBV/m</b>
Grid 4 <b>M4</b> <b>23.6 dBV/m</b>	Grid 5 <b>M4</b> <b>24.04 dBV/m</b>	Grid 6 <b>M4</b> <b>22.69 dBV/m</b>
Grid 7 <b>M4</b> <b>22.14 dBV/m</b>	Grid 8 <b>M4</b> <b>23.89 dBV/m</b>	Grid 9 <b>M4</b> <b>23.7 dBV/m</b>



0 dB = 15.91 V/m = 24.03 dBV/m

### HAC-RF Emission

Communication System: UID 10061 - CAA, IEEE 802.11b WiFi 2.4 GHz (DSSS, 11 Mbps); Frequency: 2437 MHz; Duty Cycle: 1:2.29087

Phantom section: RF Section

DASY5 Configuration:

- Probe: ER3DV6 - SN2509; ConvF(1, 1, 1); Calibrated: 5/13/2016;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE3 Sn500; Calibrated: 5/19/2016
- 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)

### 802.11b Chain 1 E-Field Measurement/IEEE 802.11b\_DSSS 11 Mbps\_ch 6/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 = 28.93 V/m; Power Drift = -0.16 dB

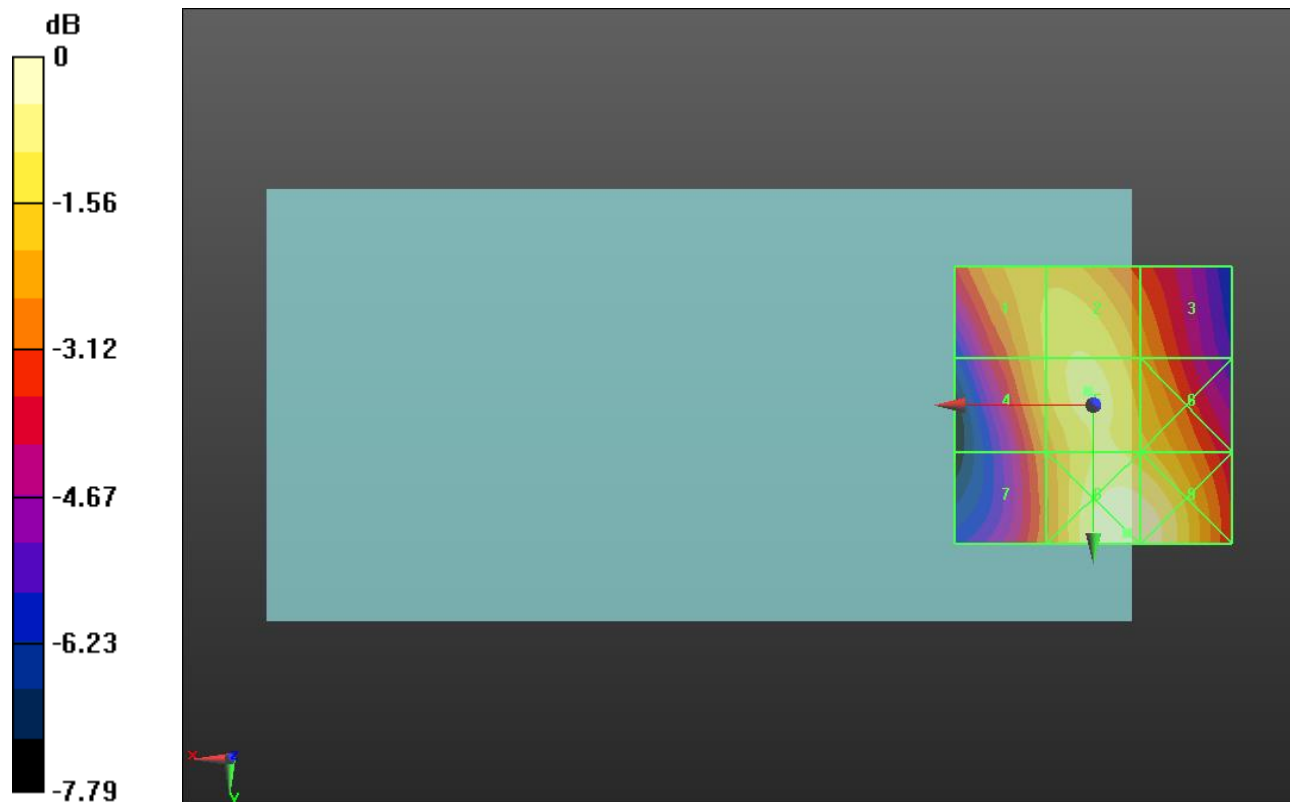
Applied MIF = -2.02 dB

RF audio interference level = 24.03 dBV/m

Emission category: **M4**

MIF scaled E-field

Grid 1 <b>M4</b> <b>23.44 dBV/m</b>	Grid 2 <b>M4</b> <b>23.91 dBV/m</b>	Grid 3 <b>M4</b> <b>22.73 dBV/m</b>
Grid 4 <b>M4</b> <b>23.41 dBV/m</b>	Grid 5 <b>M4</b> <b>24.03 dBV/m</b>	Grid 6 <b>M4</b> <b>23.61 dBV/m</b>
Grid 7 <b>M4</b> <b>22.44 dBV/m</b>	Grid 8 <b>M4</b> <b>24.89 dBV/m</b>	Grid 9 <b>M4</b> <b>24.81 dBV/m</b>



0 dB = 17.56 V/m = 24.89 dBV/m

### HAC-RF Emission

Communication System: UID 10061 - CAA, IEEE 802.11b WiFi 2.4 GHz (DSSS, 11 Mbps); Frequency: 2462 MHz; Duty Cycle: 1:2.29087

Phantom section: RF Section

DASY5 Configuration:

- Probe: ER3DV6 - SN2509; ConvF(1, 1, 1); Calibrated: 5/13/2016;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE3 Sn500; Calibrated: 5/19/2016
- 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)

### 802.11b Chain 1 E-Field Measurement/IEEE 802.11b\_DSSS 11 Mbps\_ch 11/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 = 25.56 V/m; Power Drift = -0.04 dB

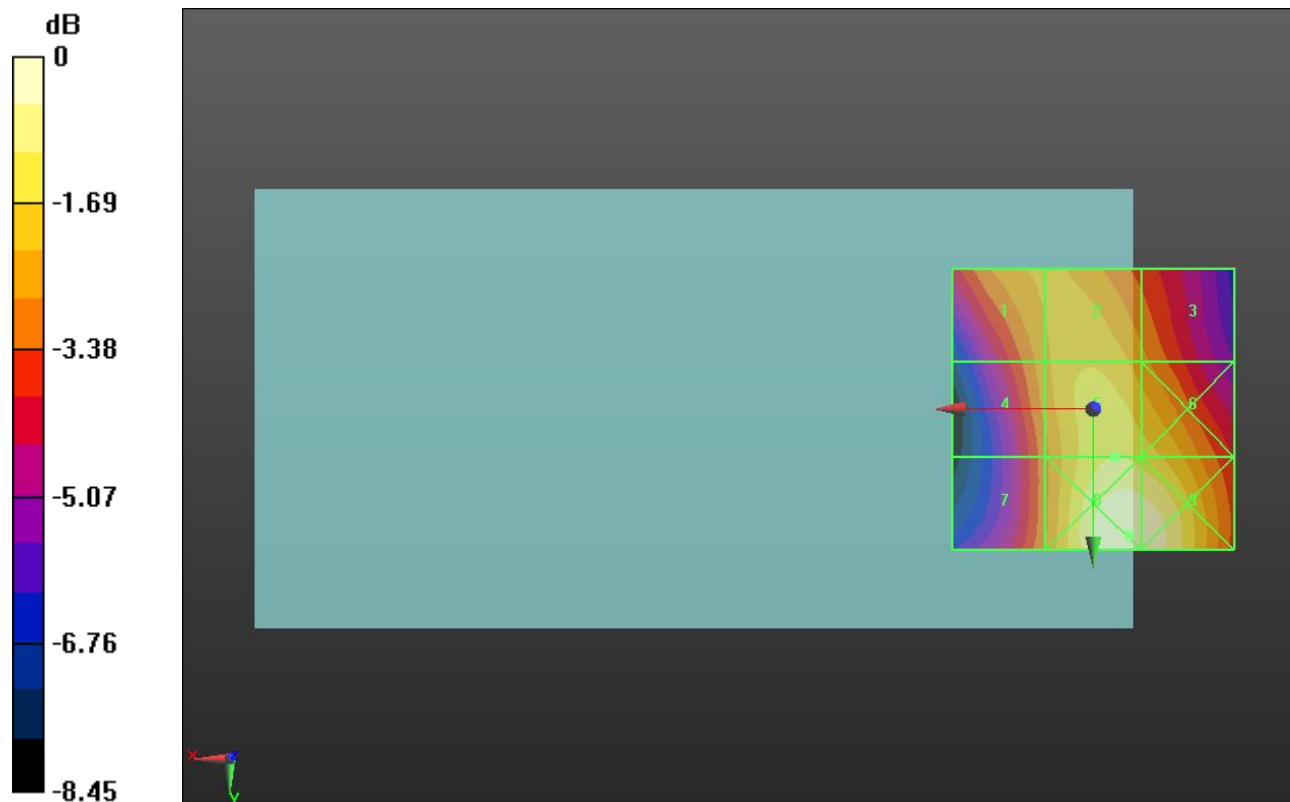
Applied MIF = -2.02 dB

RF audio interference level = 23.46 dBV/m

Emission category: **M4**

MIF scaled E-field

Grid 1 <b>M4</b> <b>22.43 dBV/m</b>	Grid 2 <b>M4</b> <b>22.85 dBV/m</b>	Grid 3 <b>M4</b> <b>22.01 dBV/m</b>
Grid 4 <b>M4</b> <b>22.18 dBV/m</b>	Grid 5 <b>M4</b> <b>23.46 dBV/m</b>	Grid 6 <b>M4</b> <b>23.28 dBV/m</b>
Grid 7 <b>M4</b> <b>21.85 dBV/m</b>	Grid 8 <b>M4</b> <b>24.59 dBV/m</b>	Grid 9 <b>M4</b> <b>24.52 dBV/m</b>



0 dB = 16.96 V/m = 24.59 dBV/m

### HAC-RF Emission

Communication System: UID 10077 - CAA, IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 54 Mbps); Frequency: 2412 MHz; Duty Cycle: 1:12.5893

Phantom section: RF Section

DASY5 Configuration:

- Probe: ER3DV6 - SN2509; ConvF(1, 1, 1); Calibrated: 5/13/2016;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE3 Sn500; Calibrated: 5/19/2016
- 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)

### 802.11g Chain 1 E-Field Measurement/IEEE 802.11g\_OFDM 54 Mbps\_ch 1/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 = 8.932 V/m; Power Drift = 0.34 dB

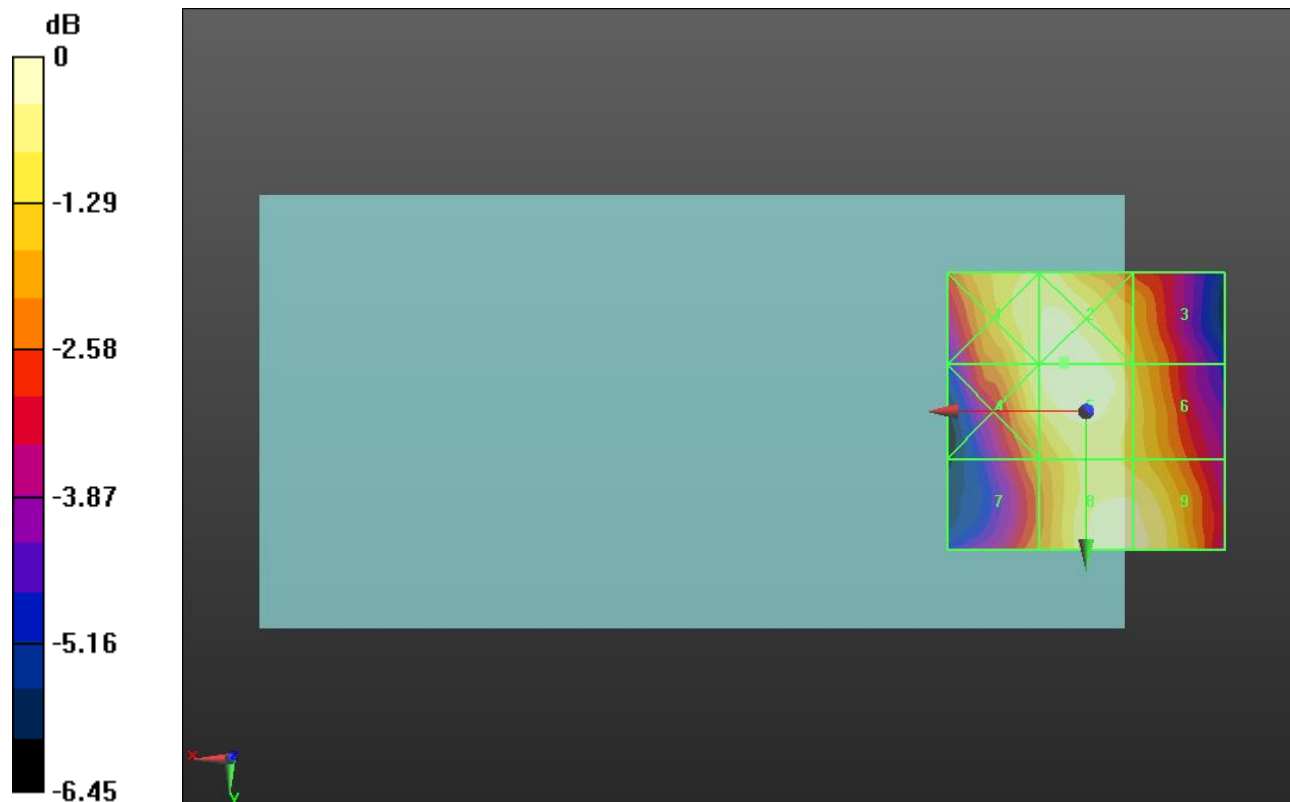
Applied MIF = 0.12 dB

RF audio interference level = 16.54 dBV/m

Emission category: **M4**

MIF scaled E-field

<b>Grid 1 M4</b> <b>16.13 dBV/m</b>	<b>Grid 2 M4</b> <b>16.54 dBV/m</b>	<b>Grid 3 M4</b> <b>15.32 dBV/m</b>
<b>Grid 4 M4</b> <b>16.1 dBV/m</b>	<b>Grid 5 M4</b> <b>16.54 dBV/m</b>	<b>Grid 6 M4</b> <b>15.58 dBV/m</b>
<b>Grid 7 M4</b> <b>14.68 dBV/m</b>	<b>Grid 8 M4</b> <b>16.5 dBV/m</b>	<b>Grid 9 M4</b> <b>16.34 dBV/m</b>



0 dB = 6.717 V/m = 16.54 dBV/m

### HAC-RF Emission

Communication System: UID 10077 - CAA, IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 54 Mbps); Frequency: 2437 MHz; Duty Cycle: 1:12.5893

Phantom section: RF Section

DASY5 Configuration:

- Probe: ER3DV6 - SN2509; ConvF(1, 1, 1); Calibrated: 5/13/2016;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE3 Sn500; Calibrated: 5/19/2016
- 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)

### 802.11g Chain 1 E-Field Measurement/IEEE 802.11g\_OFDM 54 Mbps\_ch 6/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 = 16.92 V/m; Power Drift = -0.07 dB

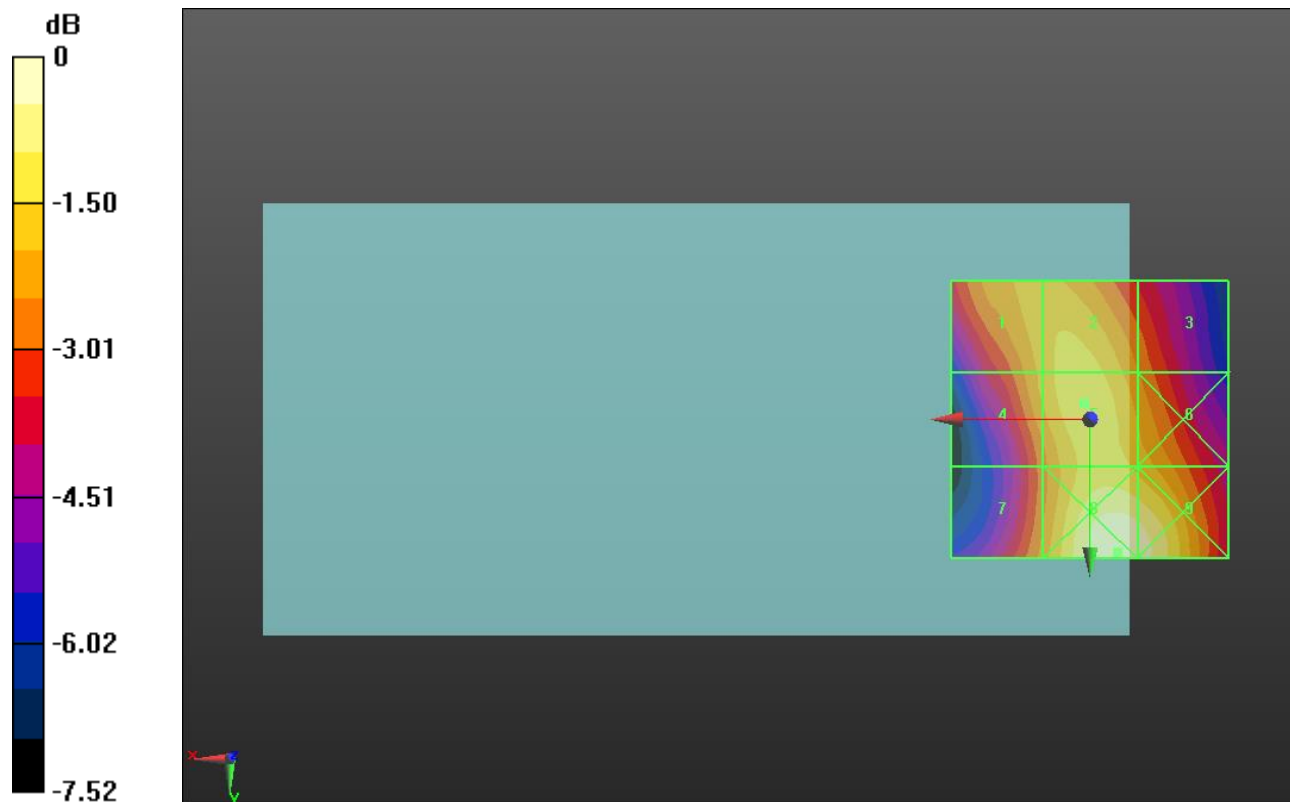
Applied MIF = 0.12 dB

RF audio interference level = 21.71 dBV/m

Emission category: **M4**

MIF scaled E-field

Grid 1 <b>M4</b> <b>21.19 dBV/m</b>	Grid 2 <b>M4</b> <b>21.62 dBV/m</b>	Grid 3 <b>M4</b> <b>20.42 dBV/m</b>
Grid 4 <b>M4</b> <b>21.08 dBV/m</b>	Grid 5 <b>M4</b> <b>21.71 dBV/m</b>	Grid 6 <b>M4</b> <b>21.27 dBV/m</b>
Grid 7 <b>M4</b> <b>20.64 dBV/m</b>	Grid 8 <b>M4</b> <b>22.88 dBV/m</b>	Grid 9 <b>M4</b> <b>22.7 dBV/m</b>



0 dB = 13.93 V/m = 22.88 dBV/m

### HAC-RF Emission

Communication System: UID 10077 - CAA, IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 54 Mbps); Frequency: 2462 MHz; Duty Cycle: 1:12.5893

Phantom section: RF Section

DASY5 Configuration:

- Probe: ER3DV6 - SN2509; ConvF(1, 1, 1); Calibrated: 5/13/2016;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE3 Sn500; Calibrated: 5/19/2016
- 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)

### 802.11g Chain 1 E-Field Measurement/IEEE 802.11g\_OFDM 54 Mbps\_ch 11/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 = 12.94 V/m; Power Drift = 0.12 dB

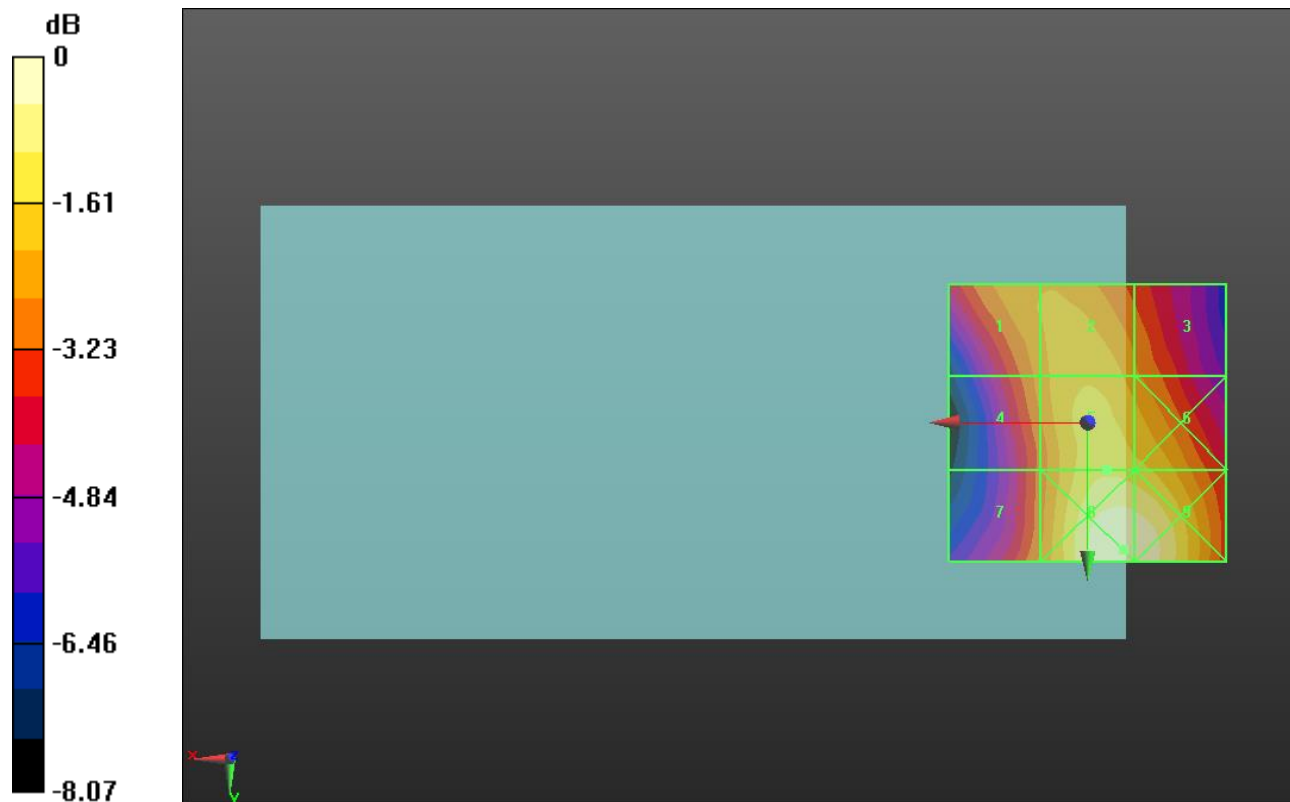
Applied MIF = 0.12 dB

RF audio interference level = 19.85 dBV/m

Emission category: **M4**

MIF scaled E-field

Grid 1 <b>M4</b> <b>18.9 dBV/m</b>	Grid 2 <b>M4</b> <b>19.36 dBV/m</b>	Grid 3 <b>M4</b> <b>18.5 dBV/m</b>
Grid 4 <b>M4</b> <b>18.6 dBV/m</b>	Grid 5 <b>M4</b> <b>19.85 dBV/m</b>	Grid 6 <b>M4</b> <b>19.66 dBV/m</b>
Grid 7 <b>M4</b> <b>18.47 dBV/m</b>	Grid 8 <b>M4</b> <b>21.01 dBV/m</b>	Grid 9 <b>M4</b> <b>20.94 dBV/m</b>



0 dB = 11.24 V/m = 21.02 dBV/m

