

### HAC-RF Emission

Communication System: UID 10173 - CAC, 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: 5/12/2017;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1433; Calibrated: 3/8/2017
- 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 = 7.976 V/m; Power Drift = -0.40 dB

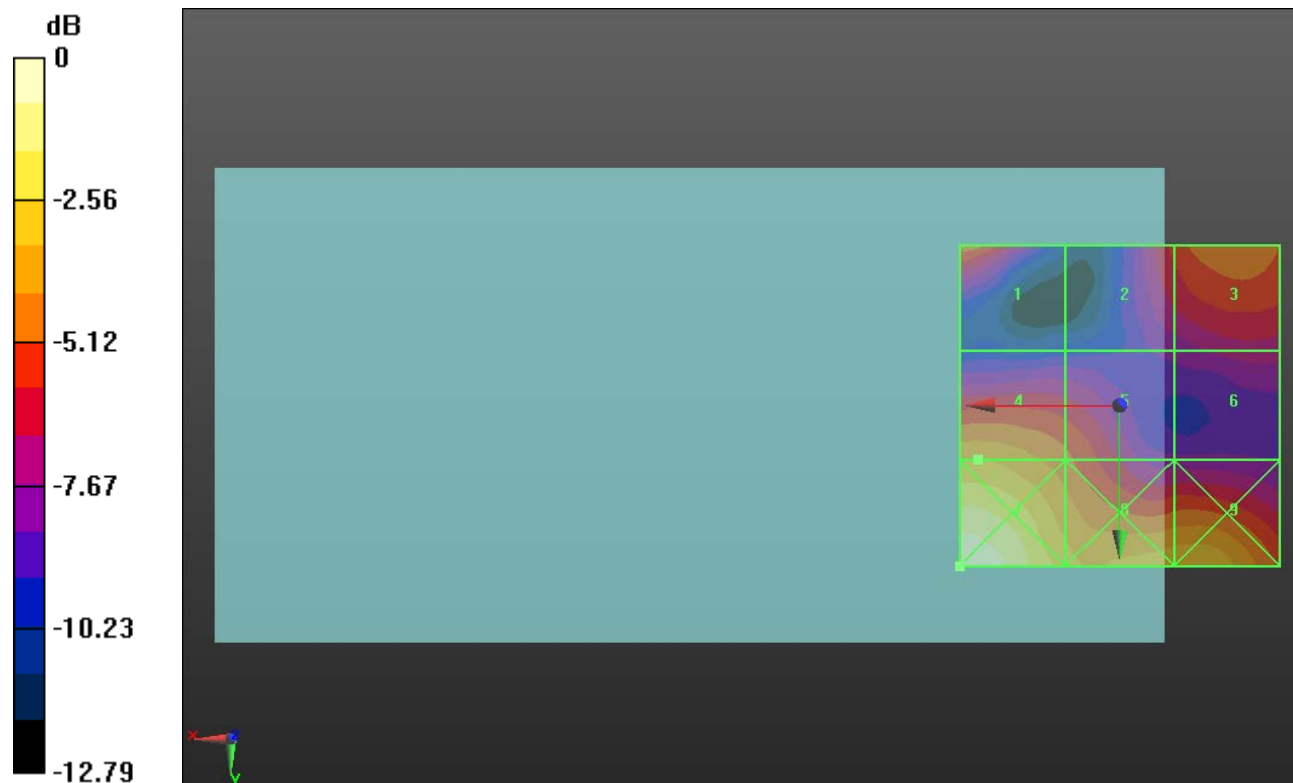
Applied MIF = -1.44 dB

RF audio interference level = 17.40 dBV/m

**Emission category: M4**

MIF scaled E-field

Grid 1 <b>M4</b> <b>16.4 dBV/m</b>	Grid 2 <b>M4</b> <b>15.14 dBV/m</b>	Grid 3 <b>M4</b> <b>16.33 dBV/m</b>
Grid 4 <b>M4</b> <b>17.4 dBV/m</b>	Grid 5 <b>M4</b> <b>15.98 dBV/m</b>	Grid 6 <b>M4</b> <b>13.68 dBV/m</b>
Grid 7 <b>M4</b> <b>20.82 dBV/m</b>	Grid 8 <b>M4</b> <b>18.17 dBV/m</b>	Grid 9 <b>M4</b> <b>18.2 dBV/m</b>



0 dB = 10.99 V/m = 20.82 dBV/m

## HAC-RF Emission

Communication System: UID 10173 - CAC, 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: 5/12/2017;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1433; Calibrated: 3/8/2017
- 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 = 7.887 V/m; Power Drift = -0.51 dB

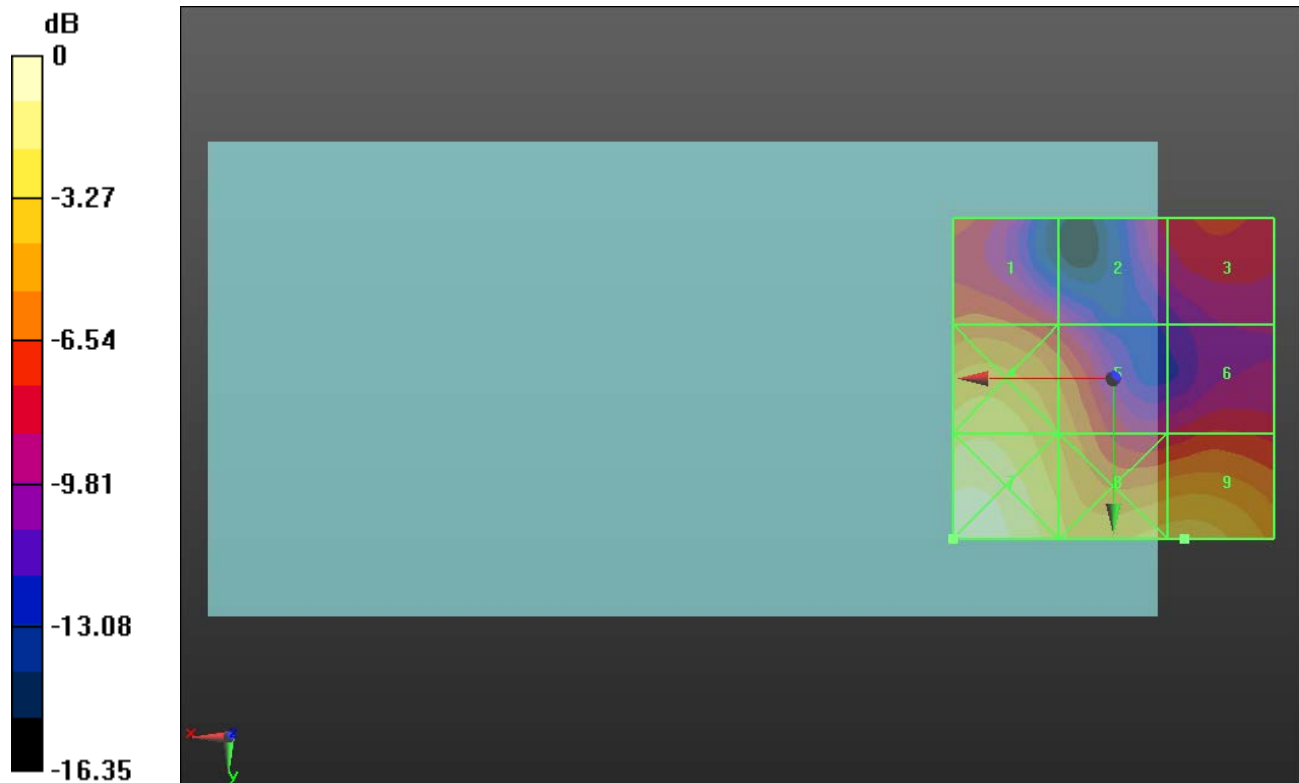
Applied MIF = -1.44 dB

RF audio interference level = 18.74 dBV/m

Emission category: **M4**

MIF scaled E-field

Grid 1 <b>M4</b> <b>15.3 dBV/m</b>	Grid 2 <b>M4</b> <b>12.96 dBV/m</b>	Grid 3 <b>M4</b> <b>14.01 dBV/m</b>
Grid 4 <b>M4</b> <b>19.06 dBV/m</b>	Grid 5 <b>M4</b> <b>16.91 dBV/m</b>	Grid 6 <b>M4</b> <b>13.94 dBV/m</b>
Grid 7 <b>M4</b> <b>21.36 dBV/m</b>	Grid 8 <b>M4</b> <b>18.68 dBV/m</b>	Grid 9 <b>M4</b> <b>18.74 dBV/m</b>



0 dB = 11.69 V/m = 21.36 dBV/m

### HAC-RF Emission

Communication System: UID 10173 - CAB, LTE-TDD (SC-FDMA, 1 RB, 20 MHz, 16-QAM); Frequency: 2610.9 MHz; Duty Cycle: 1:8.87156

Phantom section: RF Section

DASY5 Configuration:

- Probe: ER3DV6 - SN2509; ConvF(1, 1, 1); Calibrated: 5/12/2017;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1433; Calibrated: 3/8/2017
- 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 = 9.156 V/m; Power Drift = 0.15 dB

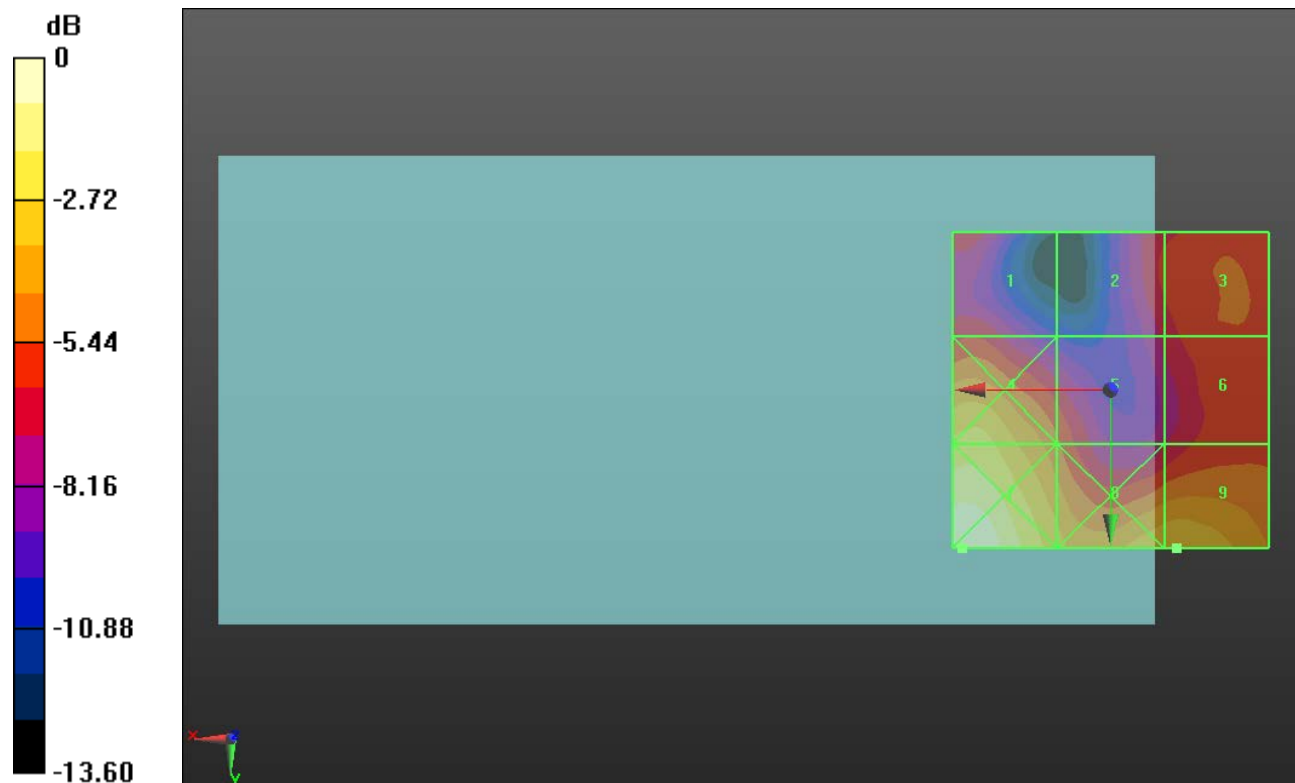
Applied MIF = -1.44 dB

RF audio interference level = 19.61 dBV/m

**Emission category: M4**

MIF scaled E-field

<b>Grid 1 M4</b> <b>15.98 dBV/m</b>	<b>Grid 2 M4</b> <b>16.16 dBV/m</b>	<b>Grid 3 M4</b> <b>16.96 dBV/m</b>
<b>Grid 4 M4</b> <b>19.97 dBV/m</b>	<b>Grid 5 M4</b> <b>17.04 dBV/m</b>	<b>Grid 6 M4</b> <b>16.8 dBV/m</b>
<b>Grid 7 M4</b> <b>22.27 dBV/m</b>	<b>Grid 8 M4</b> <b>19.55 dBV/m</b>	<b>Grid 9 M4</b> <b>19.61 dBV/m</b>



0 dB = 12.99 V/m = 22.27 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: 5/12/2017;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1433; Calibrated: 3/8/2017
- 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 = 4.250 V/m; Power Drift = 0.09 dB

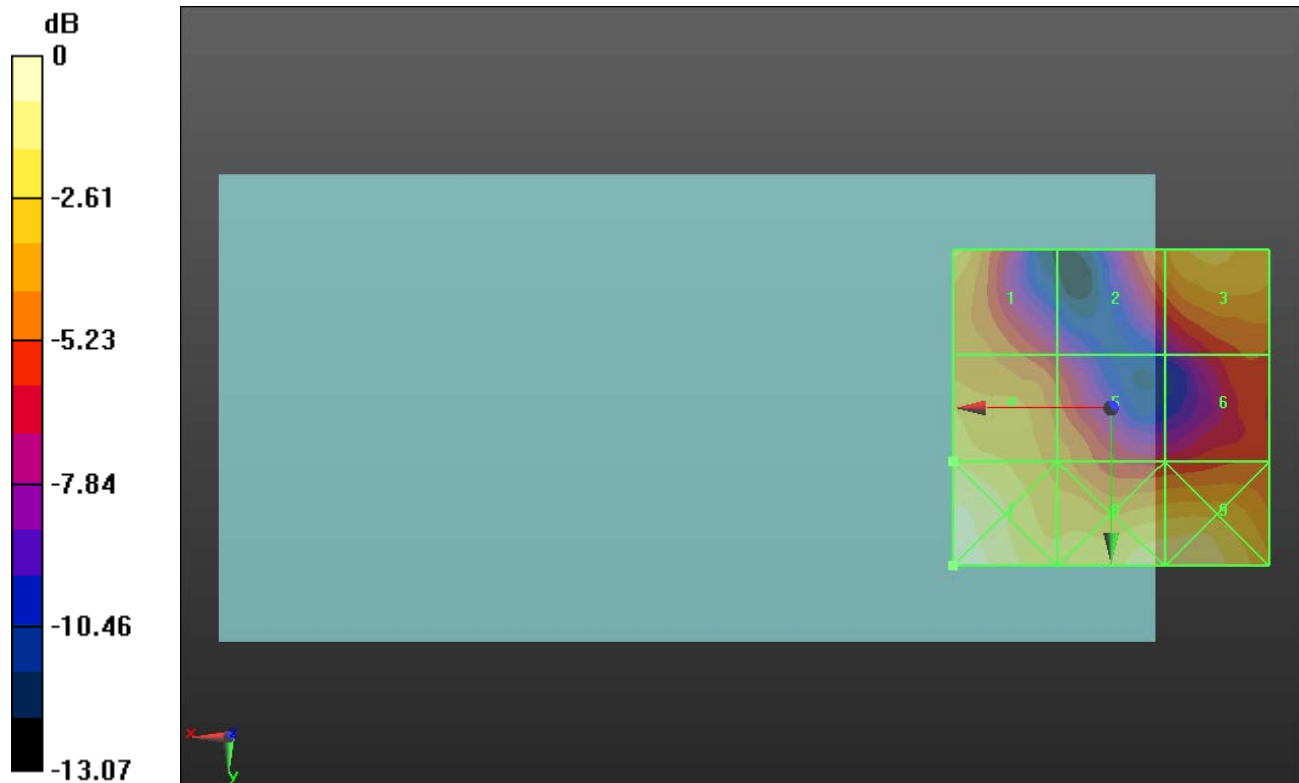
Applied MIF = -1.44 dB

RF audio interference level = 15.37 dBV/m

Emission category: **M4**

MIF scaled E-field

Grid 1 <b>M4</b> <b>14.91 dBV/m</b>	Grid 2 <b>M4</b> <b>13.44 dBV/m</b>	Grid 3 <b>M4</b> <b>14.72 dBV/m</b>
Grid 4 <b>M4</b> <b>15.37 dBV/m</b>	Grid 5 <b>M4</b> <b>13.12 dBV/m</b>	Grid 6 <b>M4</b> <b>11.88 dBV/m</b>
Grid 7 <b>M4</b> <b>17 dBV/m</b>	Grid 8 <b>M4</b> <b>16.08 dBV/m</b>	Grid 9 <b>M4</b> <b>16.08 dBV/m</b>



0 dB = 7.080 V/m = 17.00 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: 5/12/2017;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1433; Calibrated: 3/8/2017
- 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 = 5.592 V/m; Power Drift = 0.05 dB

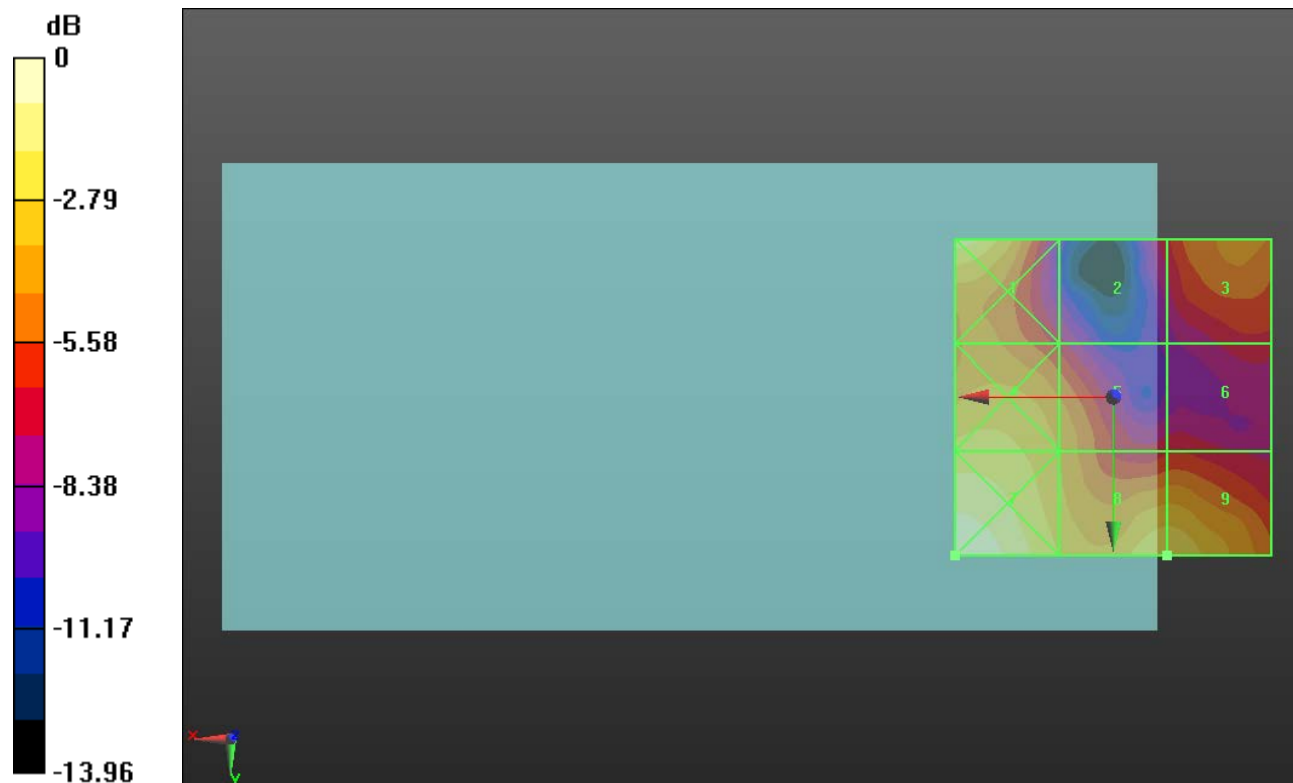
Applied MIF = -1.44 dB

RF audio interference level = 16.20 dBV/m

**Emission category: M4**

MIF scaled E-field

<b>Grid 1 M4</b> <b>16.93 dBV/m</b>	<b>Grid 2 M4</b> <b>11.54 dBV/m</b>	<b>Grid 3 M4</b> <b>13.89 dBV/m</b>
<b>Grid 4 M4</b> <b>15.86 dBV/m</b>	<b>Grid 5 M4</b> <b>14.39 dBV/m</b>	<b>Grid 6 M4</b> <b>11.64 dBV/m</b>
<b>Grid 7 M4</b> <b>18.19 dBV/m</b>	<b>Grid 8 M4</b> <b>16.2 dBV/m</b>	<b>Grid 9 M4</b> <b>16.2 dBV/m</b>



0 dB = 8.116 V/m = 18.19 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: 5/12/2017;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1433; Calibrated: 3/8/2017
- 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 = 7.097 V/m; Power Drift = 0.18 dB

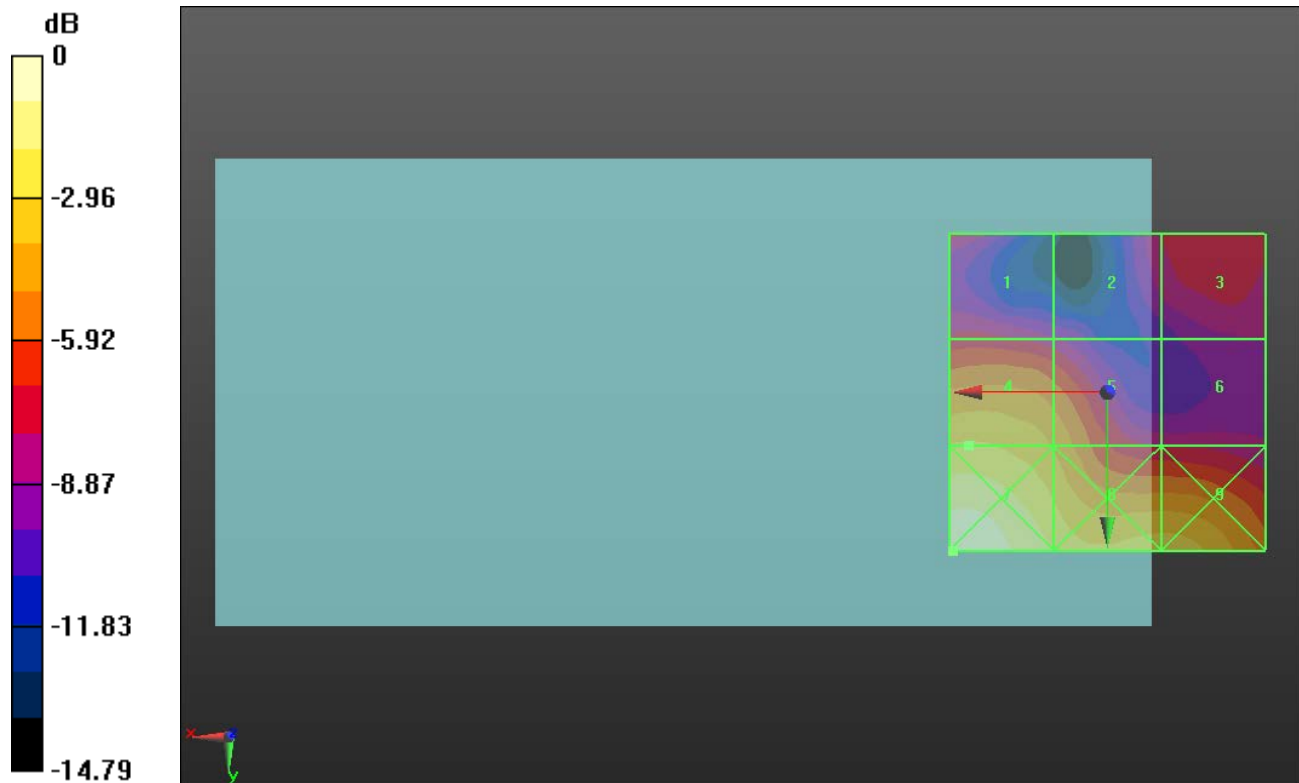
Applied MIF = -1.44 dB

RF audio interference level = 17.39 dBV/m

Emission category: **M4**

MIF scaled E-field

Grid 1 <b>M4</b> <b>12.81 dBV/m</b>	Grid 2 <b>M4</b> <b>12.32 dBV/m</b>	Grid 3 <b>M4</b> <b>13.3 dBV/m</b>
Grid 4 <b>M4</b> <b>17.39 dBV/m</b>	Grid 5 <b>M4</b> <b>16.15 dBV/m</b>	Grid 6 <b>M4</b> <b>12.34 dBV/m</b>
Grid 7 <b>M4</b> <b>20.18 dBV/m</b>	Grid 8 <b>M4</b> <b>18.17 dBV/m</b>	Grid 9 <b>M4</b> <b>17.82 dBV/m</b>



0 dB = 10.21 V/m = 20.18 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: 5/12/2017;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1433; Calibrated: 3/8/2017
- 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 = 8.090 V/m; Power Drift = 0.00 dB

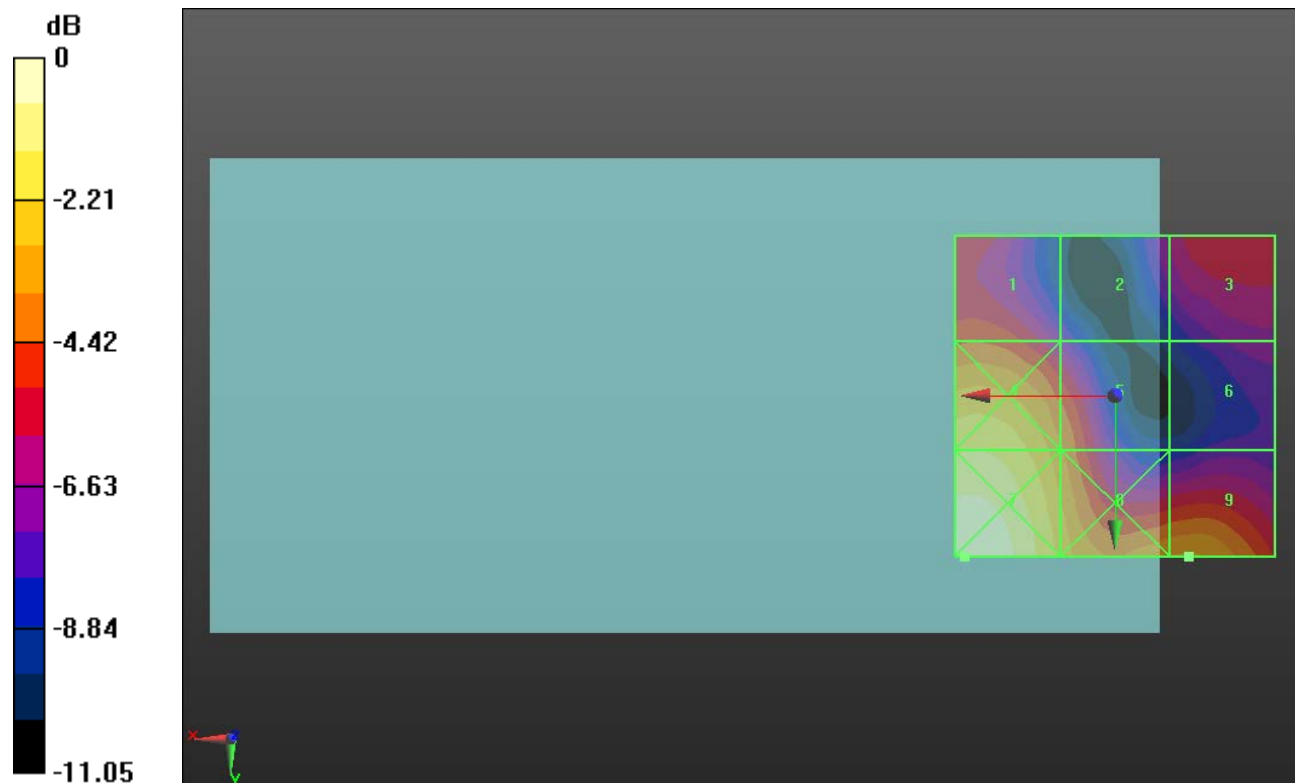
Applied MIF = -1.44 dB

RF audio interference level = 19.14 dBV/m

Emission category: **M4**

MIF scaled E-field

Grid 1 <b>M4</b> <b>17.54 dBV/m</b>	Grid 2 <b>M4</b> <b>15.49 dBV/m</b>	Grid 3 <b>M4</b> <b>16.67 dBV/m</b>
Grid 4 <b>M4</b> <b>20.52 dBV/m</b>	Grid 5 <b>M4</b> <b>18.46 dBV/m</b>	Grid 6 <b>M4</b> <b>15.11 dBV/m</b>
Grid 7 <b>M4</b> <b>21.98 dBV/m</b>	Grid 8 <b>M4</b> <b>19.61 dBV/m</b>	Grid 9 <b>M4</b> <b>19.14 dBV/m</b>



0 dB = 12.56 V/m = 21.98 dBV/m

## HAC-RF Emission

Communication System: UID 10173 - CAB, 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); Calibrated: 5/12/2017;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1433; Calibrated: 3/8/2017
- 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 = 8.319 V/m; Power Drift = -0.88 dB

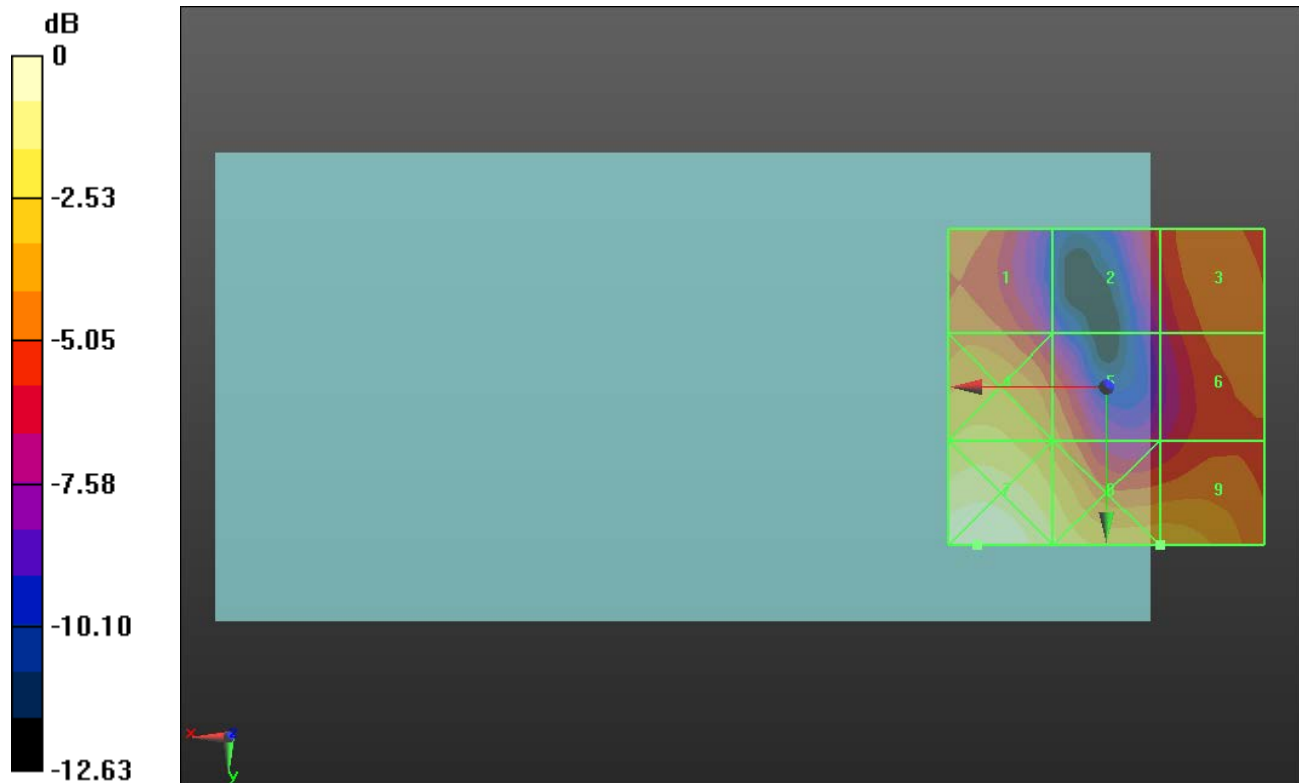
Applied MIF = -1.44 dB

RF audio interference level = 19.81 dBV/m

Emission category: **M4**

MIF scaled E-field

<b>Grid 1 M4</b> <b>18.06 dBV/m</b>	<b>Grid 2 M4</b> <b>16.8 dBV/m</b>	<b>Grid 3 M4</b> <b>17.93 dBV/m</b>
<b>Grid 4 M4</b> <b>20.25 dBV/m</b>	<b>Grid 5 M4</b> <b>18.7 dBV/m</b>	<b>Grid 6 M4</b> <b>17.65 dBV/m</b>
<b>Grid 7 M4</b> <b>22.45 dBV/m</b>	<b>Grid 8 M4</b> <b>20.97 dBV/m</b>	<b>Grid 9 M4</b> <b>19.81 dBV/m</b>



0 dB = 13.25 V/m = 22.44 dBV/m