

### 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: DAE4 Sn1377; Calibrated: 9/14/2016
- 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 = 13.25 V/m; Power Drift = 0.20 dB

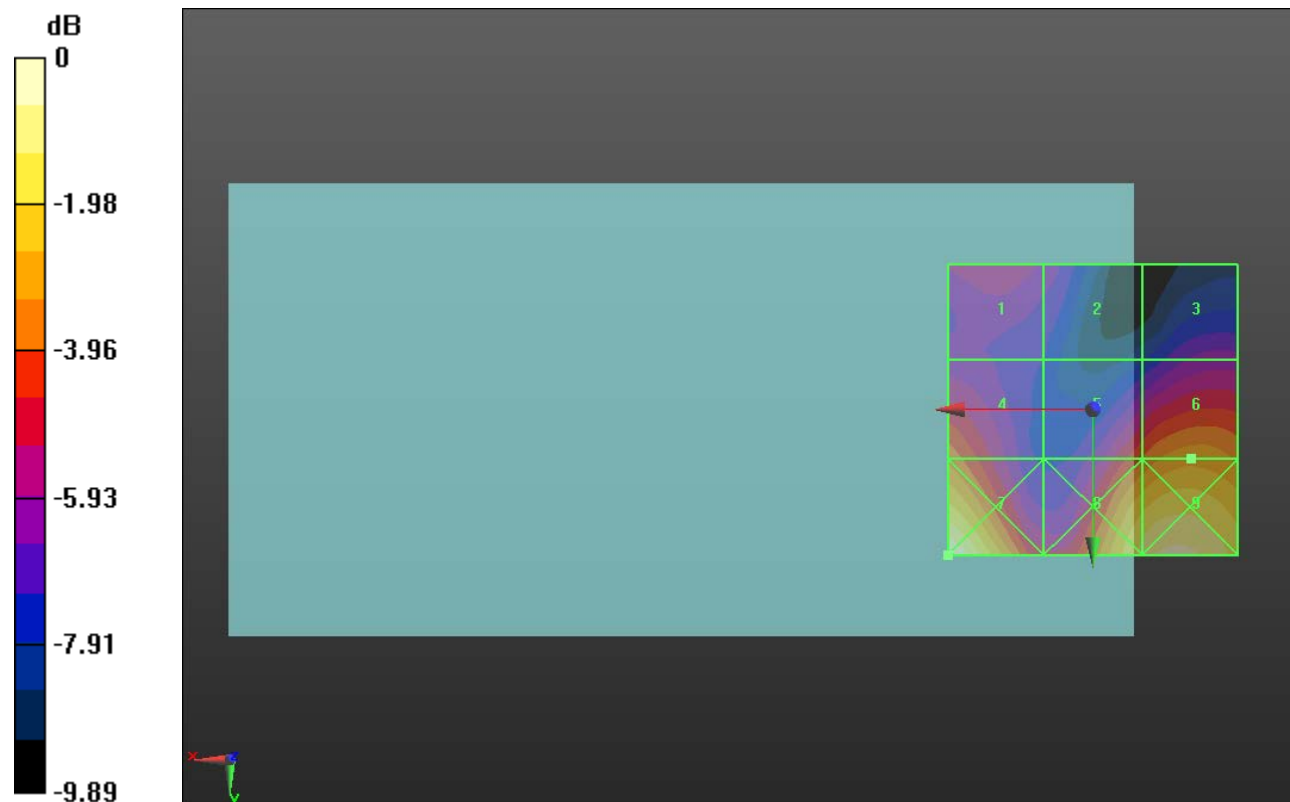
Applied MIF = -1.44 dB

RF audio interference level = 24.68 dBV/m

Emission category: **M4**

MIF scaled E-field

|  |  |  |
|--|--|--|
| Grid 1 <b>M4</b><br><b>22.2 dBV/m</b>  | Grid 2 <b>M4</b><br><b>21.49 dBV/m</b> | Grid 3 <b>M4</b><br><b>21.33 dBV/m</b> |
| Grid 4 <b>M4</b><br><b>24.11 dBV/m</b> | Grid 5 <b>M4</b><br><b>23.66 dBV/m</b> | Grid 6 <b>M4</b><br><b>24.68 dBV/m</b> |
| Grid 7 <b>M4</b><br><b>27.54 dBV/m</b> | Grid 8 <b>M4</b><br><b>26.49 dBV/m</b> | Grid 9 <b>M4</b><br><b>27.06 dBV/m</b> |



0 dB = 23.81 V/m = 27.54 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: DAE4 Sn1377; Calibrated: 9/14/2016
- 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 = 14.11 V/m; Power Drift = 0.04 dB

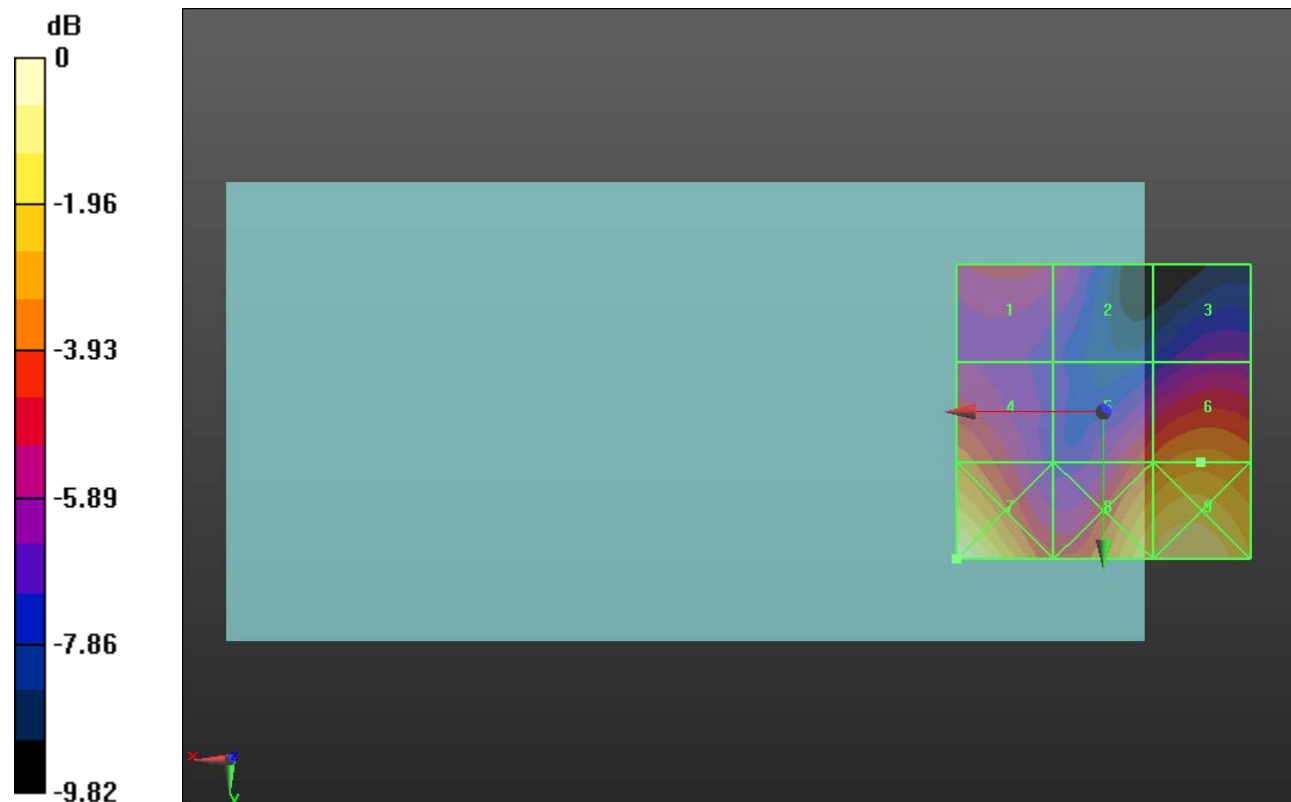
Applied MIF = -1.44 dB

RF audio interference level = 24.60 dBV/m

Emission category: **M4**

MIF scaled E-field

|  |  |  |
|--|--|--|
| Grid 1 <b>M4</b><br><b>22.66 dBV/m</b> | Grid 2 <b>M4</b><br><b>22.07 dBV/m</b> | Grid 3 <b>M4</b><br><b>21.31 dBV/m</b> |
| Grid 4 <b>M4</b><br><b>24.06 dBV/m</b> | Grid 5 <b>M4</b><br><b>23.76 dBV/m</b> | Grid 6 <b>M4</b><br><b>24.6 dBV/m</b>  |
| Grid 7 <b>M4</b><br><b>27.48 dBV/m</b> | Grid 8 <b>M4</b><br><b>26.33 dBV/m</b> | Grid 9 <b>M4</b><br><b>26.82 dBV/m</b> |



0 dB = 23.65 V/m = 27.48 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: DAE4 Sn1377; Calibrated: 9/14/2016
- 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 = 13.89 V/m; Power Drift = -0.20 dB

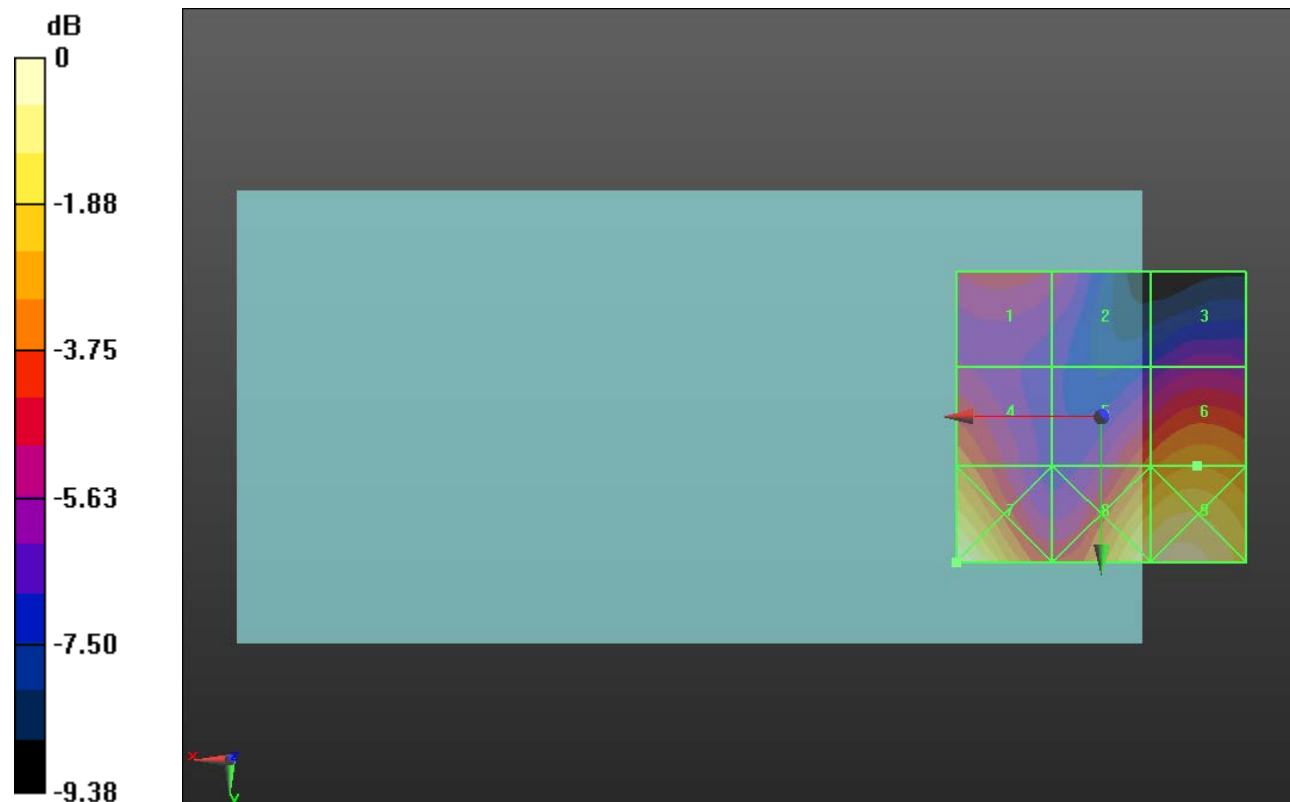
Applied MIF = -1.44 dB

RF audio interference level = 24.27 dBV/m

Emission category: **M4**

MIF scaled E-field

|  |  |  |
|--|--|--|
| Grid 1 <b>M4</b><br><b>22.29 dBV/m</b> | Grid 2 <b>M4</b><br><b>21.6 dBV/m</b>  | Grid 3 <b>M4</b><br><b>21 dBV/m</b>    |
| Grid 4 <b>M4</b><br><b>23.64 dBV/m</b> | Grid 5 <b>M4</b><br><b>23.41 dBV/m</b> | Grid 6 <b>M4</b><br><b>24.27 dBV/m</b> |
| Grid 7 <b>M4</b><br><b>26.76 dBV/m</b> | Grid 8 <b>M4</b><br><b>26.11 dBV/m</b> | Grid 9 <b>M4</b><br><b>26.46 dBV/m</b> |



0 dB = 21.77 V/m = 26.76 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 = 6.782 V/m; Power Drift = 0.07 dB

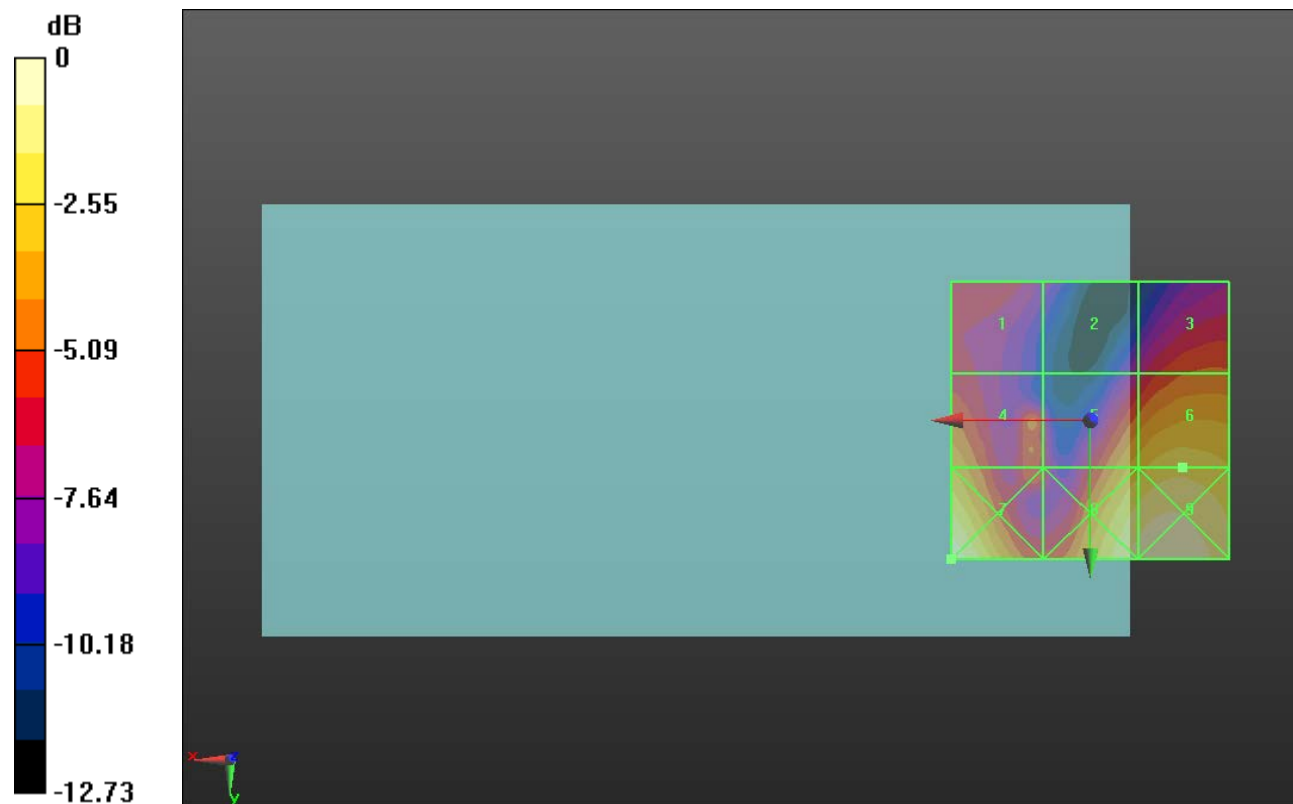
Applied MIF = -1.44 dB

RF audio interference level = 22.11 dBV/m

**Emission category: M4**

MIF scaled E-field

|  |  |  |
|--|--|--|
| Grid 1 <b>M4</b><br><b>18.13 dBV/m</b> | Grid 2 <b>M4</b><br><b>16.77 dBV/m</b> | Grid 3 <b>M4</b><br><b>19.16 dBV/m</b> |
| Grid 4 <b>M4</b><br><b>20.72 dBV/m</b> | Grid 5 <b>M4</b><br><b>21.16 dBV/m</b> | Grid 6 <b>M4</b><br><b>22.11 dBV/m</b> |
| Grid 7 <b>M4</b><br><b>24.04 dBV/m</b> | Grid 8 <b>M4</b><br><b>23.54 dBV/m</b> | Grid 9 <b>M4</b><br><b>23.94 dBV/m</b> |



0 dB = 15.93 V/m = 24.04 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 = 6.554 V/m; Power Drift = -0.17 dB

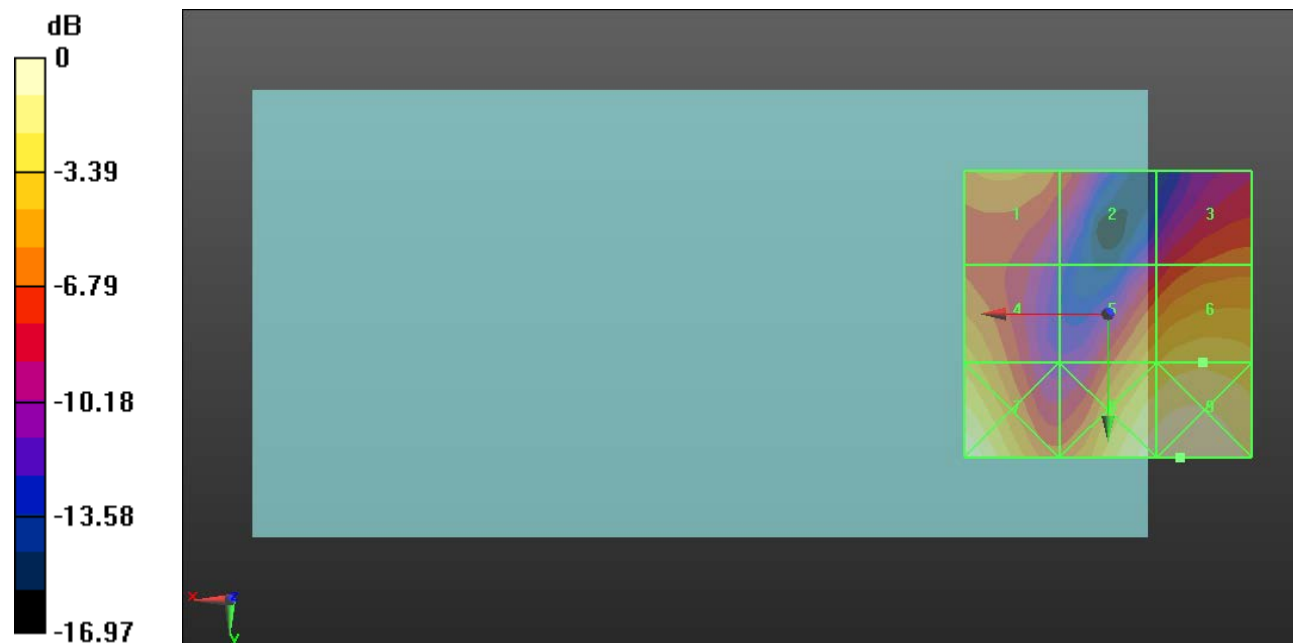
Applied MIF = -1.44 dB

RF audio interference level = 22.31 dBV/m

Emission category: **M4**

MIF scaled E-field

|  |  |  |
|--|--|--|
| Grid 1 <b>M4</b><br><b>19.53 dBV/m</b> | Grid 2 <b>M4</b><br><b>17.84 dBV/m</b> | Grid 3 <b>M4</b><br><b>18.73 dBV/m</b> |
| Grid 4 <b>M4</b><br><b>20.99 dBV/m</b> | Grid 5 <b>M4</b><br><b>21.28 dBV/m</b> | Grid 6 <b>M4</b><br><b>22.31 dBV/m</b> |
| Grid 7 <b>M4</b><br><b>24.7 dBV/m</b>  | Grid 8 <b>M4</b><br><b>24.41 dBV/m</b> | Grid 9 <b>M4</b><br><b>24.77 dBV/m</b> |



0 dB = 17.32 V/m = 24.77 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 = 7.646 V/m; Power Drift = -0.06 dB

Applied MIF = -1.44 dB

RF audio interference level = 22.63 dBV/m

**Emission category: M4**

MIF scaled E-field

|  |  |  |
|--|--|--|
| Grid 1 <b>M4</b><br><b>19.73 dBV/m</b> | Grid 2 <b>M4</b><br><b>18.45 dBV/m</b> | Grid 3 <b>M4</b><br><b>19.28 dBV/m</b> |
| Grid 4 <b>M4</b><br><b>21.54 dBV/m</b> | Grid 5 <b>M4</b><br><b>21.67 dBV/m</b> | Grid 6 <b>M4</b><br><b>22.63 dBV/m</b> |
| Grid 7 <b>M4</b><br><b>25 dBV/m</b>    | Grid 8 <b>M4</b><br><b>24.13 dBV/m</b> | Grid 9 <b>M4</b><br><b>24.6 dBV/m</b>  |



0 dB = 17.77 V/m = 24.99 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 = 7.045 V/m; Power Drift = -0.08 dB

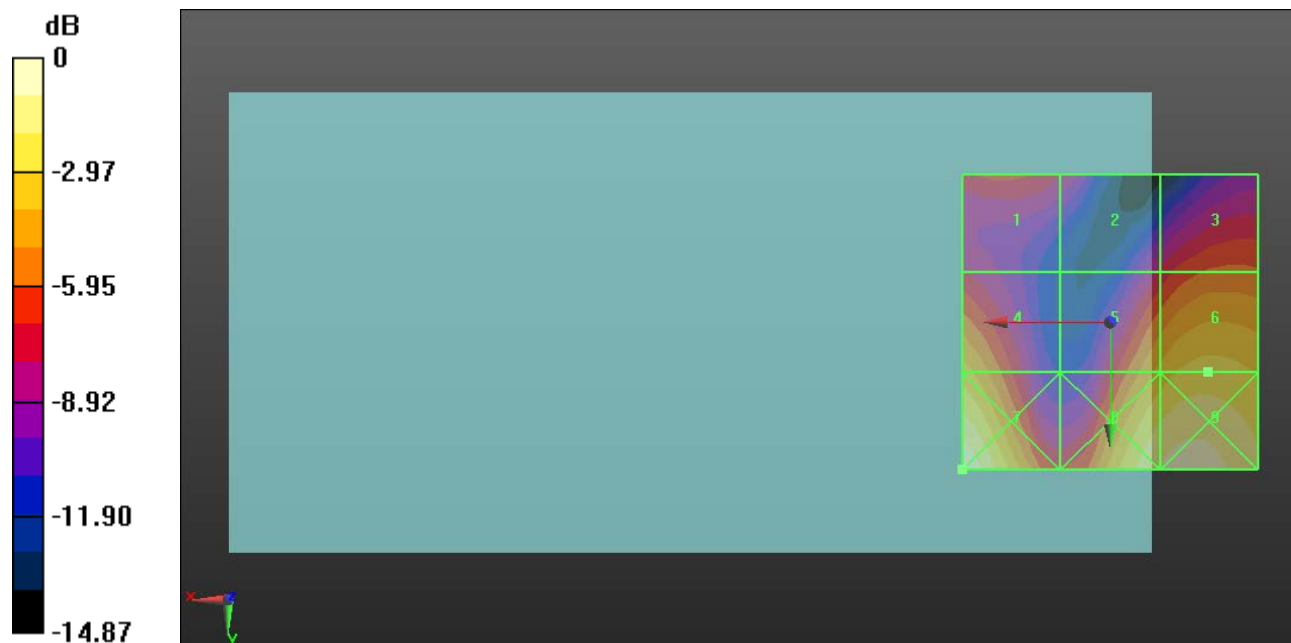
Applied MIF = -1.44 dB

RF audio interference level = 22.38 dBV/m

**Emission category: M4**

MIF scaled E-field

|  |  |  |
|--|--|--|
| <b>Grid 1 M4</b><br><b>18.33 dBV/m</b> | <b>Grid 2 M4</b><br><b>17.23 dBV/m</b> | <b>Grid 3 M4</b><br><b>19.26 dBV/m</b> |
| <b>Grid 4 M4</b><br><b>21.47 dBV/m</b> | <b>Grid 5 M4</b><br><b>21.33 dBV/m</b> | <b>Grid 6 M4</b><br><b>22.38 dBV/m</b> |
| <b>Grid 7 M4</b><br><b>24.9 dBV/m</b>  | <b>Grid 8 M4</b><br><b>24 dBV/m</b>    | <b>Grid 9 M4</b><br><b>24.39 dBV/m</b> |



0 dB = 17.57 V/m = 24.90 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 = 6.969 V/m; Power Drift = -0.07 dB

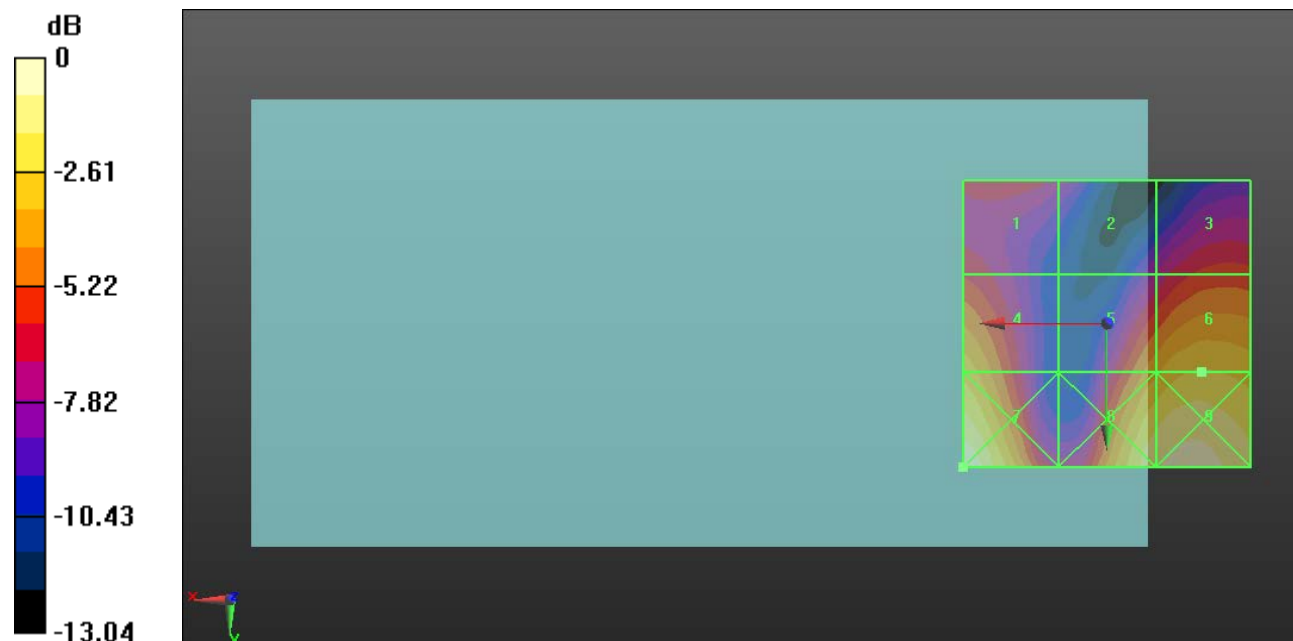
Applied MIF = -1.44 dB

RF audio interference level = 22.12 dBV/m

Emission category: **M4**

MIF scaled E-field

|  |  |  |
|--|--|--|
| Grid 1 <b>M4</b><br><b>18.52 dBV/m</b> | Grid 2 <b>M4</b><br><b>17.28 dBV/m</b> | Grid 3 <b>M4</b><br><b>19.01 dBV/m</b> |
| Grid 4 <b>M4</b><br><b>21.75 dBV/m</b> | Grid 5 <b>M4</b><br><b>21 dBV/m</b>    | Grid 6 <b>M4</b><br><b>22.12 dBV/m</b> |
| Grid 7 <b>M4</b><br><b>24.62 dBV/m</b> | Grid 8 <b>M4</b><br><b>23.62 dBV/m</b> | Grid 9 <b>M4</b><br><b>24.18 dBV/m</b> |



0 dB = 17.02 V/m = 24.62 dBV/m