

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

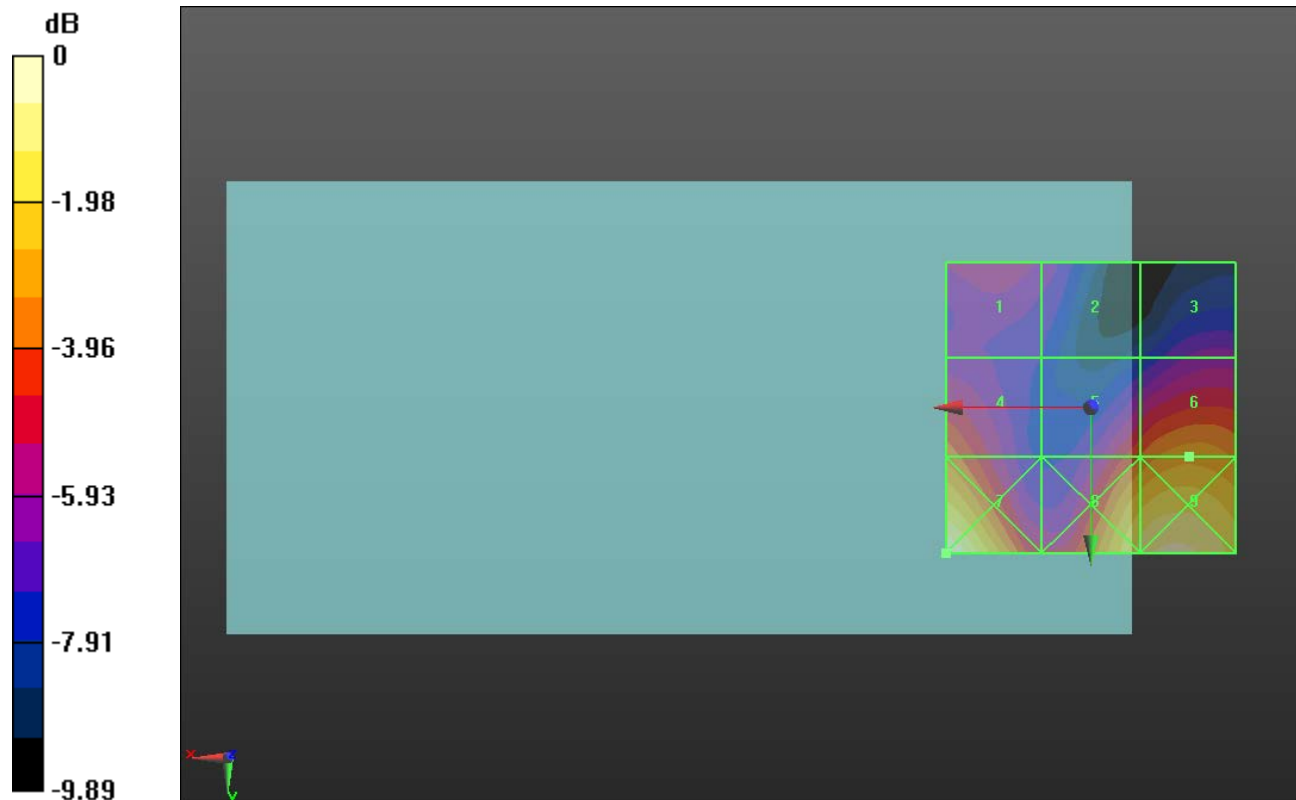
Applied MIF = -1.44 dB

RF audio interference level = 24.68 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 22.2 dBV/m	Grid 2 M4 21.49 dBV/m	Grid 3 M4 21.33 dBV/m
Grid 4 M4 24.11 dBV/m	Grid 5 M4 23.66 dBV/m	Grid 6 M4 24.68 dBV/m
Grid 7 M4 27.54 dBV/m	Grid 8 M4 26.49 dBV/m	Grid 9 M4 27.06 dBV/m



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

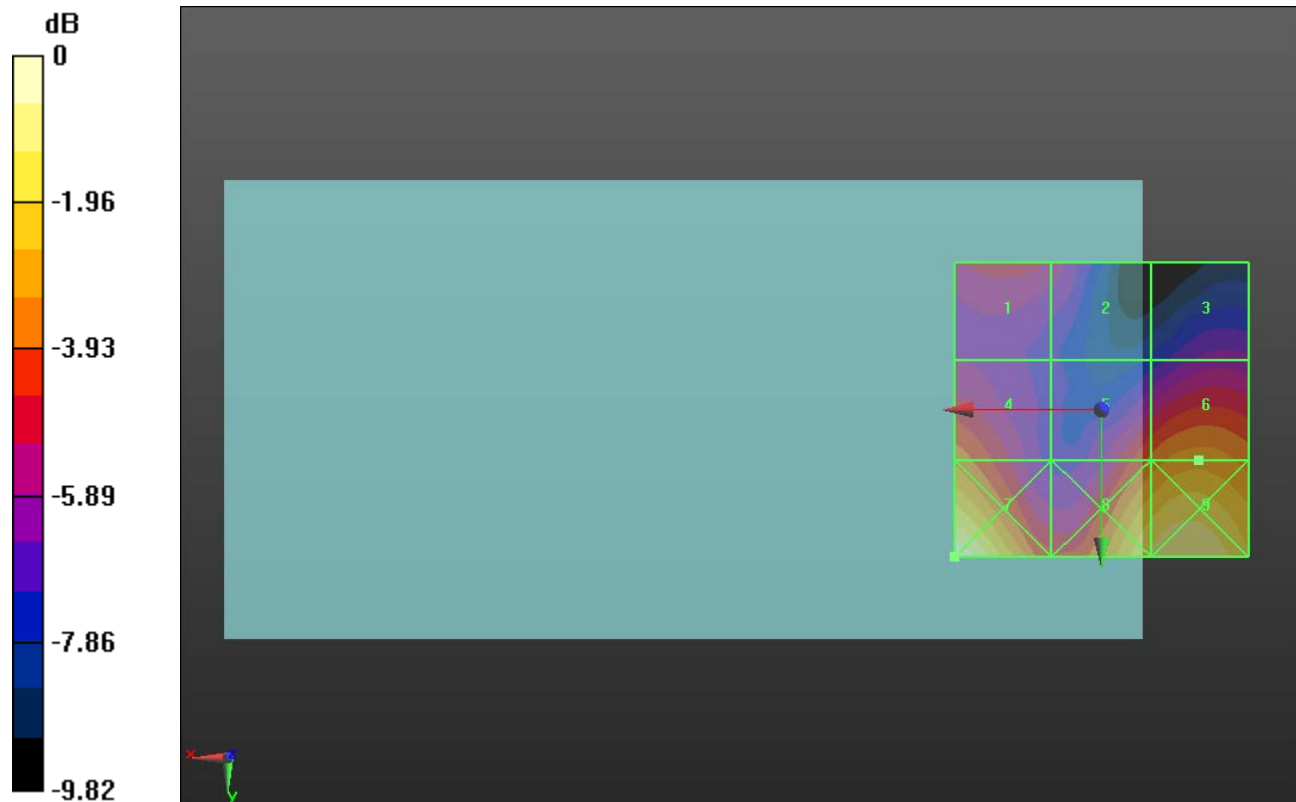
Applied MIF = -1.44 dB

RF audio interference level = 24.60 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 22.66 dBV/m	Grid 2 M4 22.07 dBV/m	Grid 3 M4 21.31 dBV/m
Grid 4 M4 24.06 dBV/m	Grid 5 M4 23.76 dBV/m	Grid 6 M4 24.6 dBV/m
Grid 7 M4 27.48 dBV/m	Grid 8 M4 26.33 dBV/m	Grid 9 M4 26.82 dBV/m



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

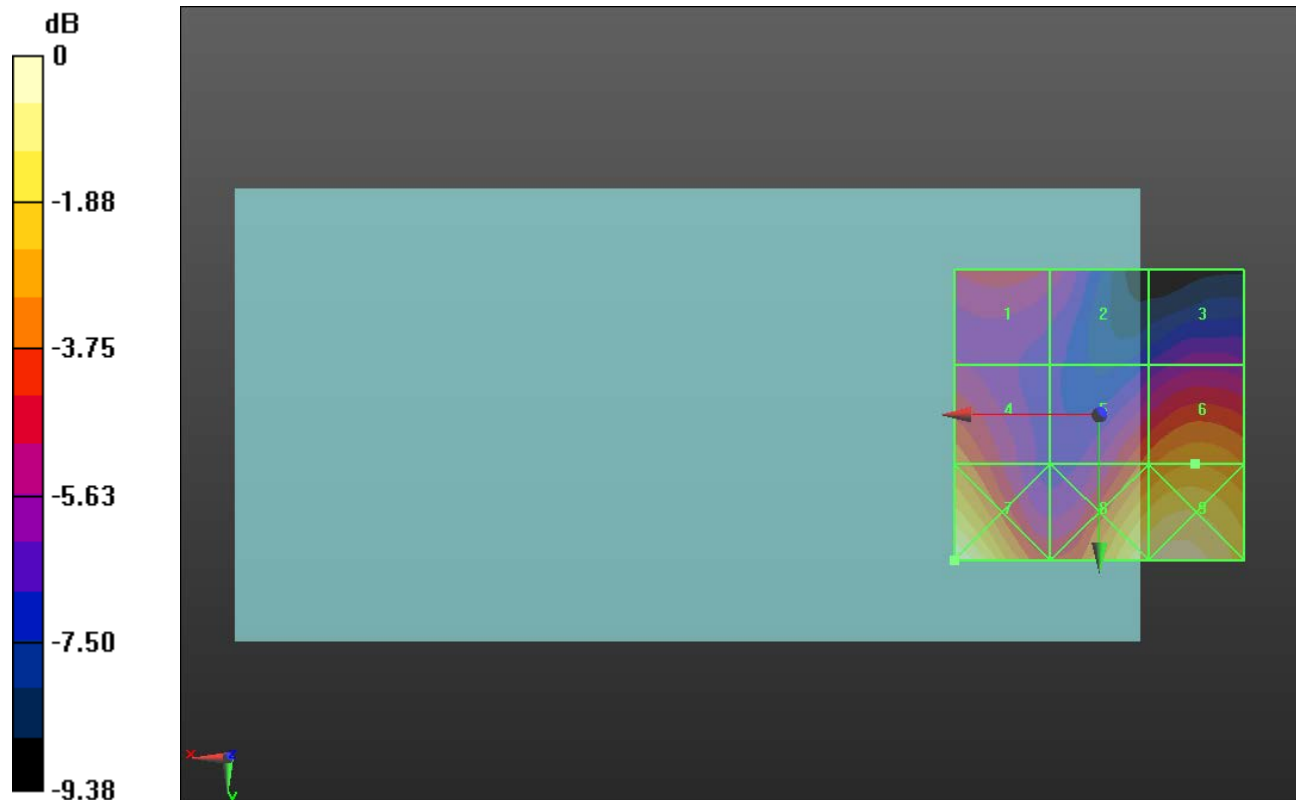
Applied MIF = -1.44 dB

RF audio interference level = 24.27 dBV/m

Emission category: **M4**

MIF scaled E-field

Grid 1 M4 22.29 dBV/m	Grid 2 M4 21.6 dBV/m	Grid 3 M4 21 dBV/m
Grid 4 M4 23.64 dBV/m	Grid 5 M4 23.41 dBV/m	Grid 6 M4 24.27 dBV/m
Grid 7 M4 26.76 dBV/m	Grid 8 M4 26.11 dBV/m	Grid 9 M4 26.46 dBV/m



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

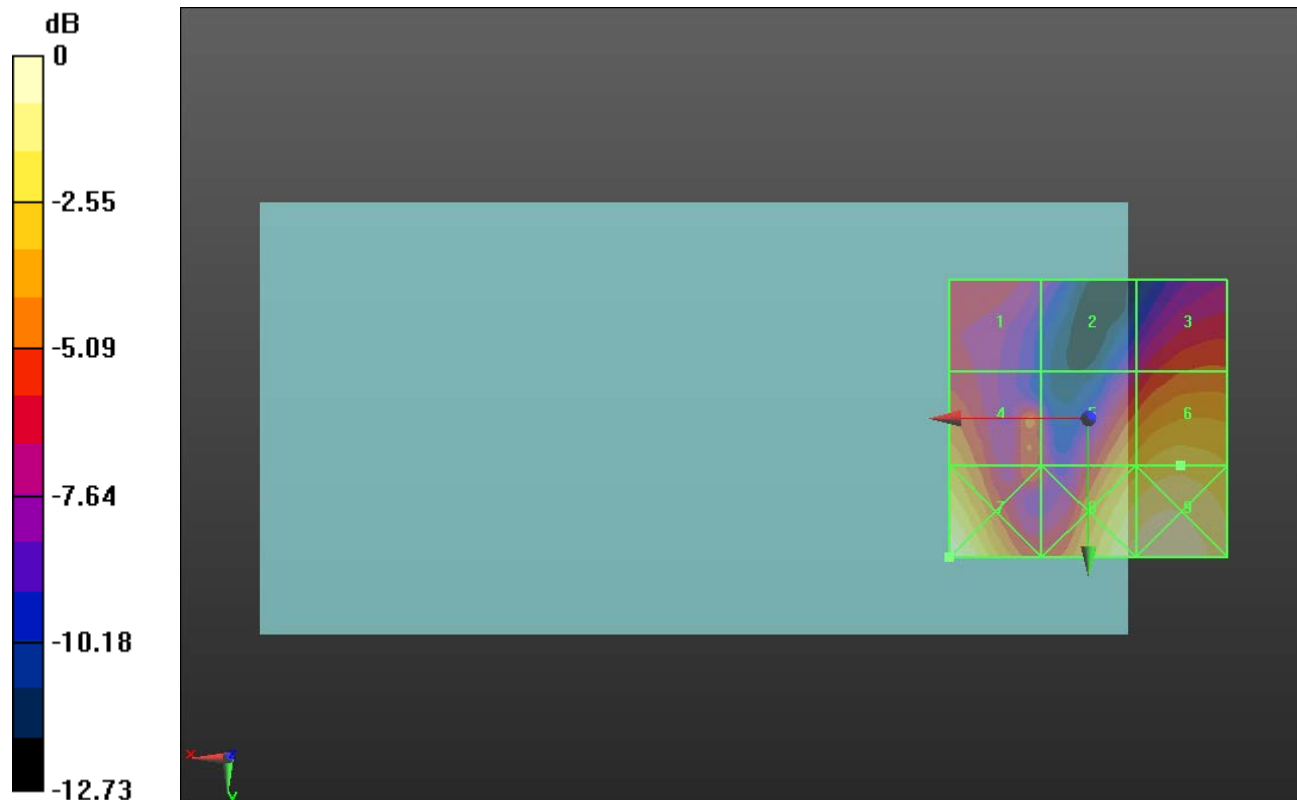
Applied MIF = -1.44 dB

RF audio interference level = 22.11 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 18.13 dBV/m	Grid 2 M4 16.77 dBV/m	Grid 3 M4 19.16 dBV/m
Grid 4 M4 20.72 dBV/m	Grid 5 M4 21.16 dBV/m	Grid 6 M4 22.11 dBV/m
Grid 7 M4 24.04 dBV/m	Grid 8 M4 23.54 dBV/m	Grid 9 M4 23.94 dBV/m



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

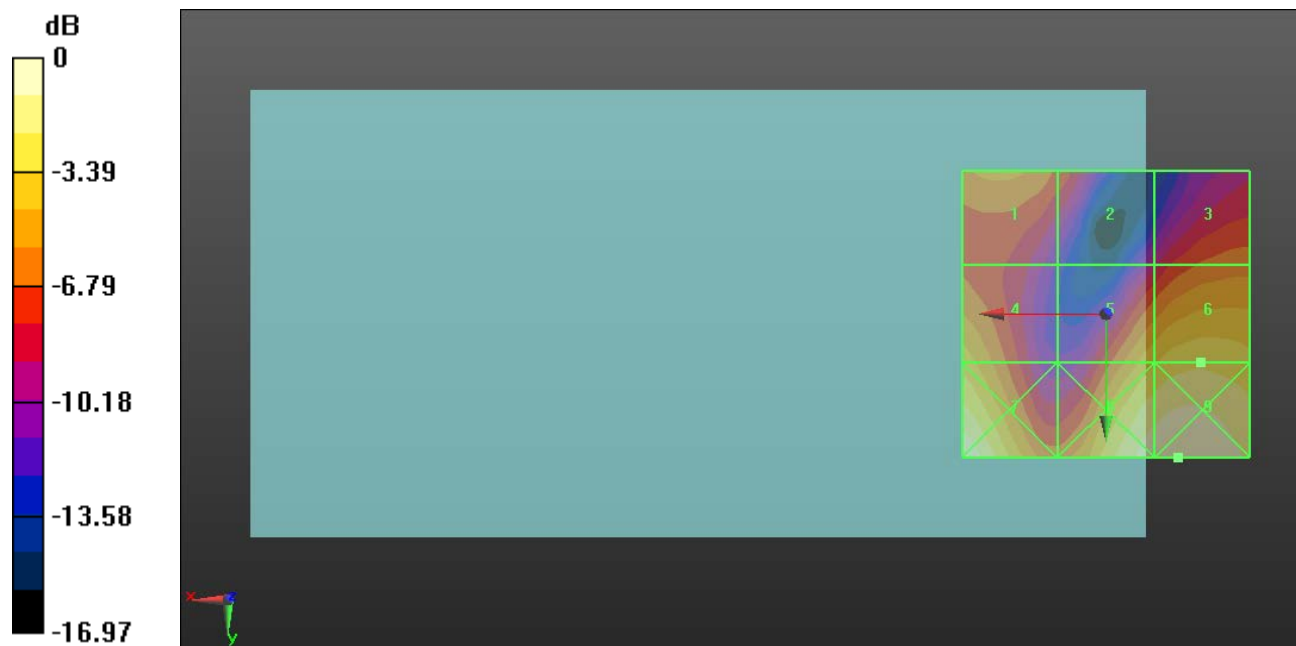
Applied MIF = -1.44 dB

RF audio interference level = 22.31 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 19.53 dBV/m	Grid 2 M4 17.84 dBV/m	Grid 3 M4 18.73 dBV/m
Grid 4 M4 20.99 dBV/m	Grid 5 M4 21.28 dBV/m	Grid 6 M4 22.31 dBV/m
Grid 7 M4 24.7 dBV/m	Grid 8 M4 24.41 dBV/m	Grid 9 M4 24.77 dBV/m



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

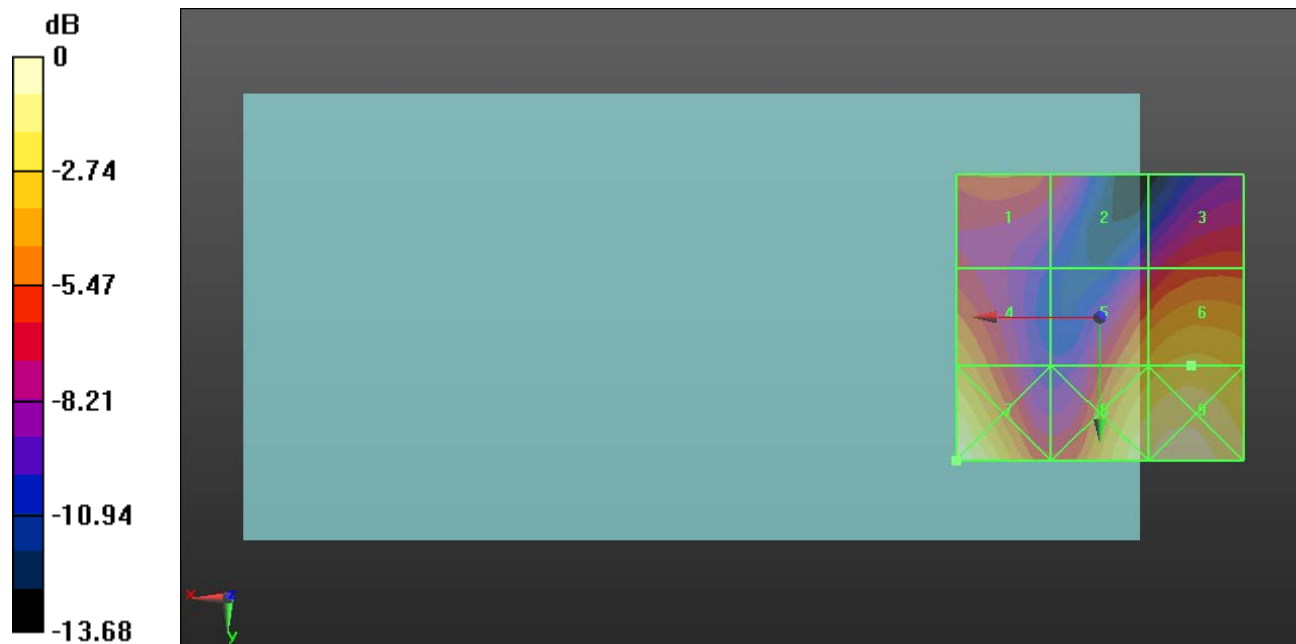
Applied MIF = -1.44 dB

RF audio interference level = 22.63 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 19.73 dBV/m	Grid 2 M4 18.45 dBV/m	Grid 3 M4 19.28 dBV/m
Grid 4 M4 21.54 dBV/m	Grid 5 M4 21.67 dBV/m	Grid 6 M4 22.63 dBV/m
Grid 7 M4 25 dBV/m	Grid 8 M4 24.13 dBV/m	Grid 9 M4 24.6 dBV/m



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

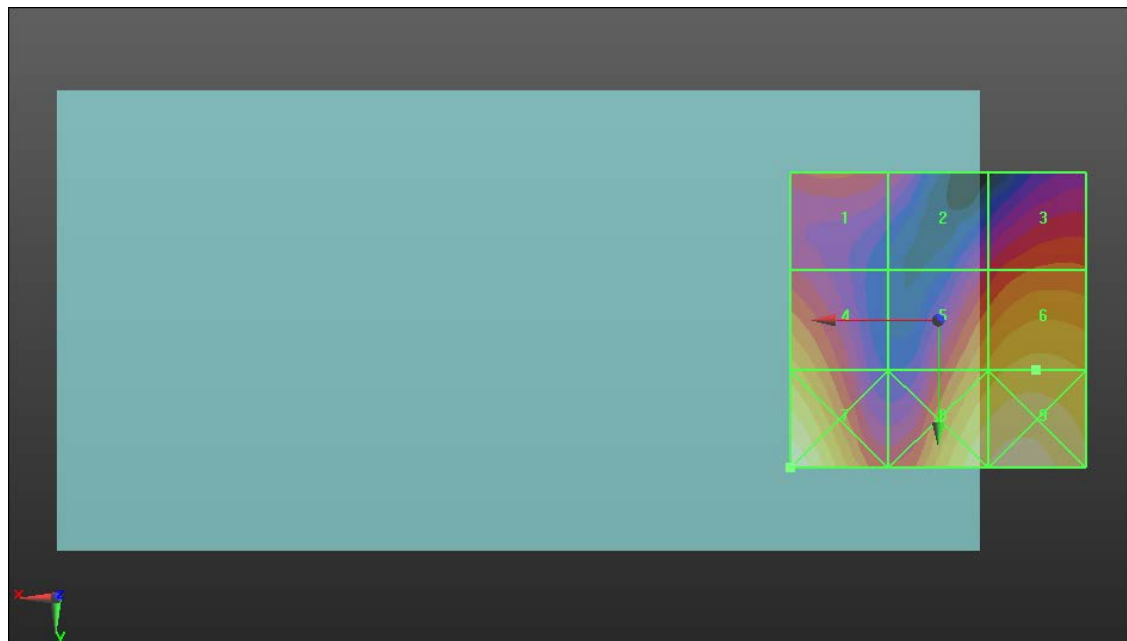
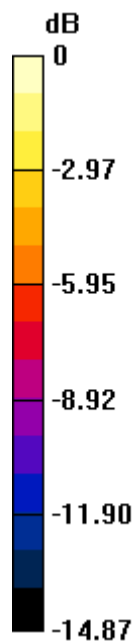
Applied MIF = -1.44 dB

RF audio interference level = 22.38 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 18.33 dBV/m	Grid 2 M4 17.23 dBV/m	Grid 3 M4 19.26 dBV/m
Grid 4 M4 21.47 dBV/m	Grid 5 M4 21.33 dBV/m	Grid 6 M4 22.38 dBV/m
Grid 7 M4 24.9 dBV/m	Grid 8 M4 24 dBV/m	Grid 9 M4 24.39 dBV/m



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 M4 18.52 dBV/m	Grid 2 M4 17.28 dBV/m	Grid 3 M4 19.01 dBV/m
Grid 4 M4 21.75 dBV/m	Grid 5 M4 21 dBV/m	Grid 6 M4 22.12 dBV/m
Grid 7 M4 24.62 dBV/m	Grid 8 M4 23.62 dBV/m	Grid 9 M4 24.18 dBV/m



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