

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: 5/12/2017;
- 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)

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 = 78.06 V/m; Power Drift = 0.23 dB

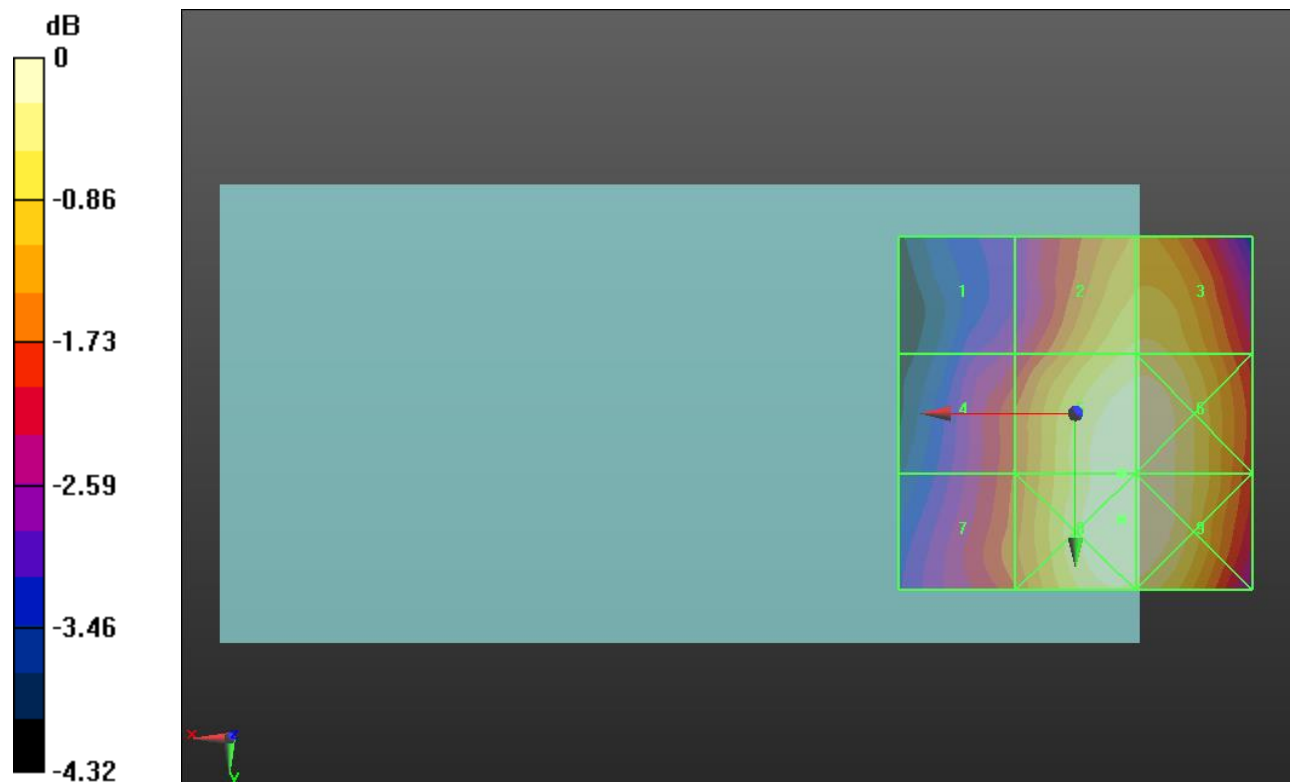
Applied MIF = 3.63 dB

RF audio interference level = 38.85 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 36.51 dBV/m	Grid 2 M4 38.42 dBV/m	Grid 3 M4 38.44 dBV/m
Grid 4 M4 37.24 dBV/m	Grid 5 M4 38.85 dBV/m	Grid 6 M4 38.83 dBV/m
Grid 7 M4 37.42 dBV/m	Grid 8 M4 38.91 dBV/m	Grid 9 M4 38.88 dBV/m



0 dB = 88.16 V/m = 38.91 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: 5/12/2017;
- 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)

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 = 77.82 V/m; Power Drift = -0.17 dB

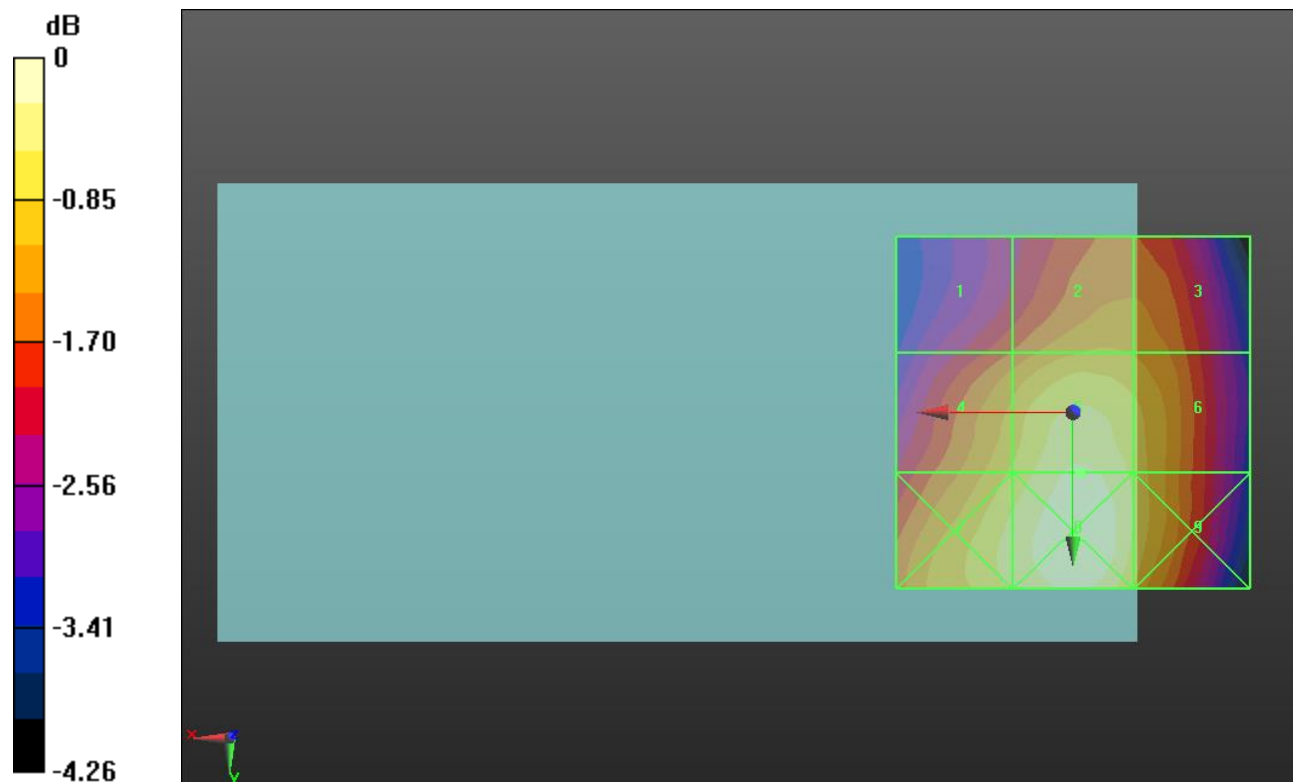
Applied MIF = 3.63 dB

RF audio interference level = 38.46 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 37.02 dBV/m	Grid 2 M4 37.61 dBV/m	Grid 3 M4 37.54 dBV/m
Grid 4 M4 37.91 dBV/m	Grid 5 M4 38.46 dBV/m	Grid 6 M4 38.06 dBV/m
Grid 7 M4 38.26 dBV/m	Grid 8 M4 38.69 dBV/m	Grid 9 M4 38.13 dBV/m



0 dB = 86.03 V/m = 38.69 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: 5/12/2017;
- 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)

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 = 72.09 V/m; Power Drift = 0.40 dB

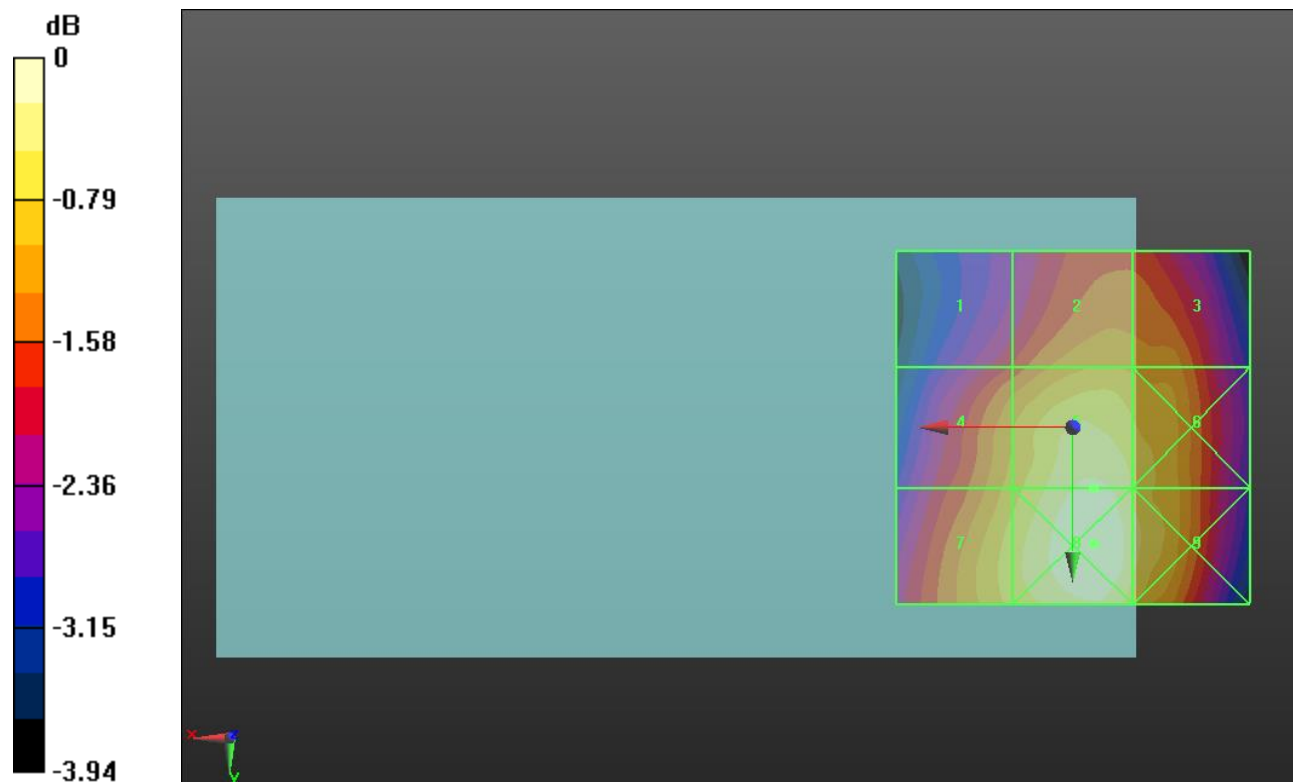
Applied MIF = 3.63 dB

RF audio interference level = 38.08 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 36.52 dBV/m	Grid 2 M4 37.26 dBV/m	Grid 3 M4 37.19 dBV/m
Grid 4 M4 37.38 dBV/m	Grid 5 M4 38.08 dBV/m	Grid 6 M4 37.73 dBV/m
Grid 7 M4 37.67 dBV/m	Grid 8 M4 38.29 dBV/m	Grid 9 M4 37.88 dBV/m



0 dB = 82.13 V/m = 38.29 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: 5/12/2017;
- 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)

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 = 29.50 V/m; Power Drift = 0.09 dB

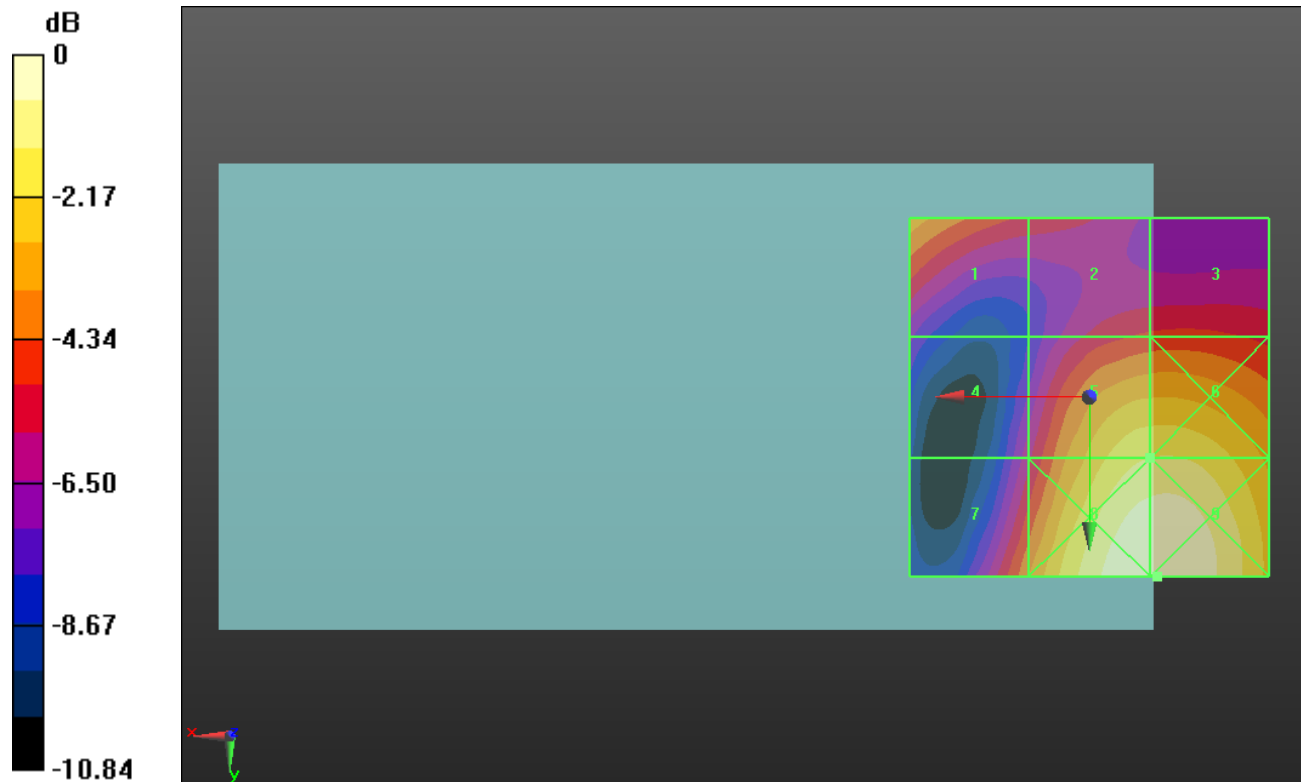
Applied MIF = 3.63 dB

RF audio interference level = 32.33 dBV/m

Emission category: M3

MIF scaled E-field

Grid 1 M3 30.61 dBV/m	Grid 2 M4 28.88 dBV/m	Grid 3 M4 28.96 dBV/m
Grid 4 M4 27.79 dBV/m	Grid 5 M3 32.33 dBV/m	Grid 6 M3 32.38 dBV/m
Grid 7 M3 30.14 dBV/m	Grid 8 M3 33.75 dBV/m	Grid 9 M3 33.76 dBV/m



0 dB = 48.75 V/m = 33.76 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: 5/12/2017;
- 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)

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 = 29.34 V/m; Power Drift = -0.03 dB

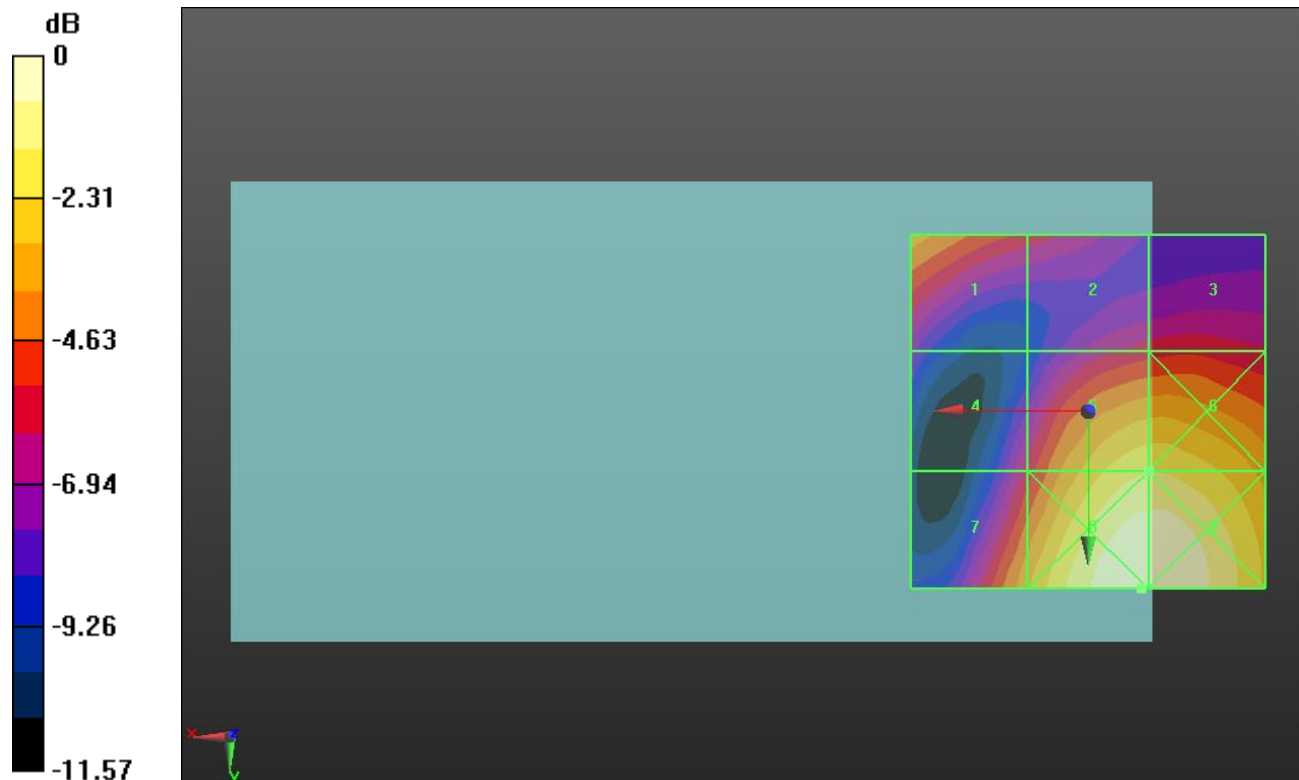
Applied MIF = 3.63 dB

RF audio interference level = 32.39 dBV/m

Emission category: M3

MIF scaled E-field

Grid 1 M3 30.55 dBV/m	Grid 2 M4 28.37 dBV/m	Grid 3 M4 28.46 dBV/m
Grid 4 M4 28.19 dBV/m	Grid 5 M3 32.39 dBV/m	Grid 6 M3 32.41 dBV/m
Grid 7 M3 30.85 dBV/m	Grid 8 M3 33.97 dBV/m	Grid 9 M3 33.97 dBV/m



0 dB = 49.97 V/m = 33.97 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: 5/12/2017;
- 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)

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 = 26.97 V/m; Power Drift = 0.16 dB

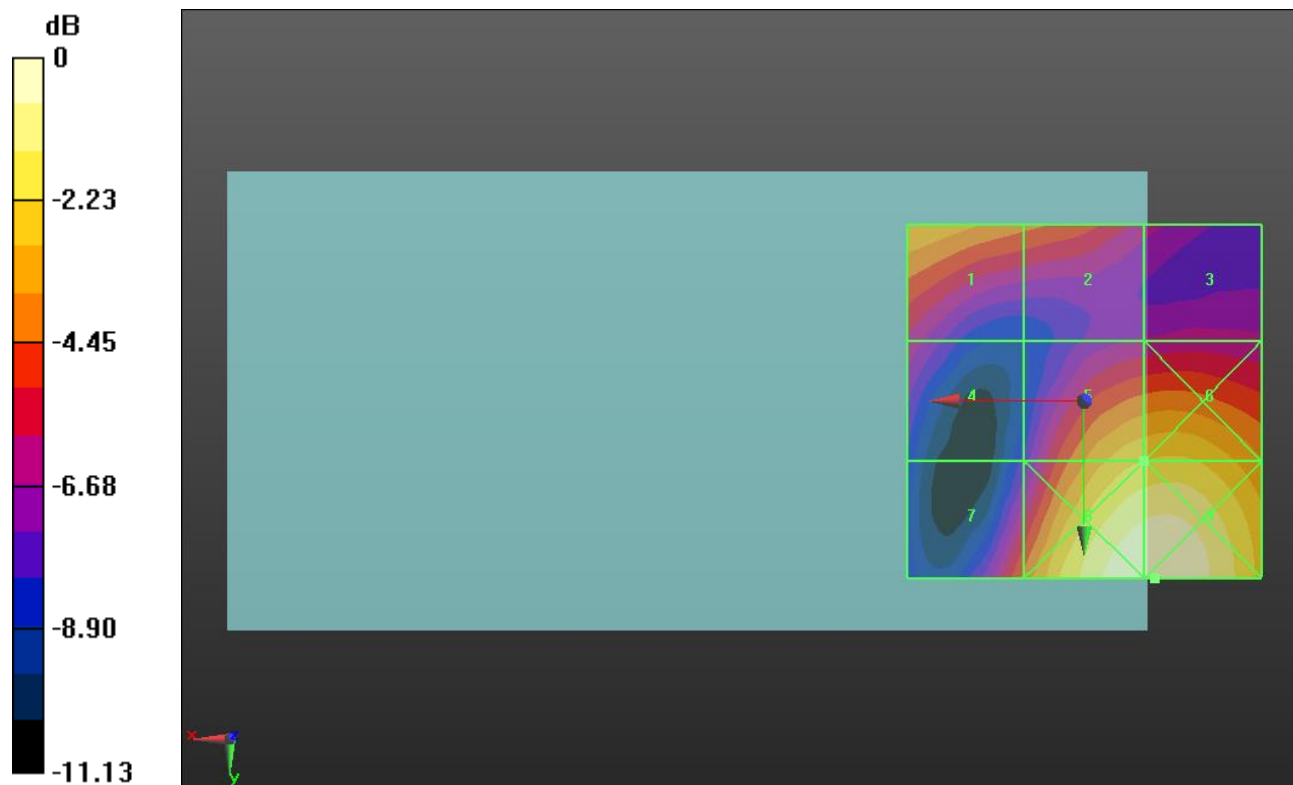
Applied MIF = 3.63 dB

RF audio interference level = 31.92 dBV/m

Emission category: M3

MIF scaled E-field

Grid 1 M3 31.21 dBV/m	Grid 2 M4 29.96 dBV/m	Grid 3 M4 27.9 dBV/m
Grid 4 M4 28.12 dBV/m	Grid 5 M3 31.92 dBV/m	Grid 6 M3 32.08 dBV/m
Grid 7 M4 29.92 dBV/m	Grid 8 M3 34.09 dBV/m	Grid 9 M3 34.13 dBV/m



0 dB = 50.85 V/m = 34.13 dBV/m

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 = 23.02 V/m; Power Drift = -0.12 dB

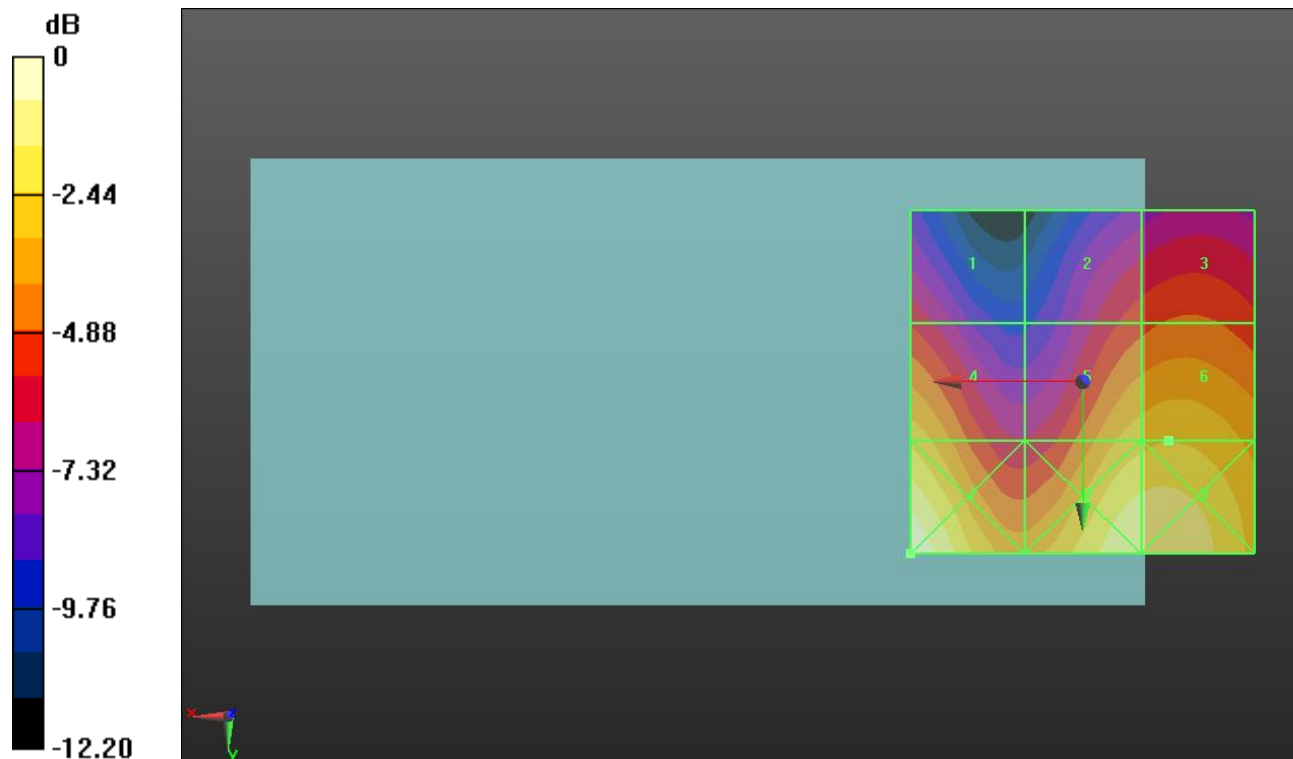
Applied MIF = -1.44 dB

RF audio interference level = 27.88 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 24.61 dBV/m	Grid 2 M4 25.21 dBV/m	Grid 3 M4 25.66 dBV/m
Grid 4 M4 27.73 dBV/m	Grid 5 M4 27.66 dBV/m	Grid 6 M4 27.88 dBV/m
Grid 7 M3 30.35 dBV/m	Grid 8 M4 29.46 dBV/m	Grid 9 M4 29.5 dBV/m



0 dB = 32.92 V/m = 30.35 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 = 22.20 V/m; Power Drift = -0.38 dB

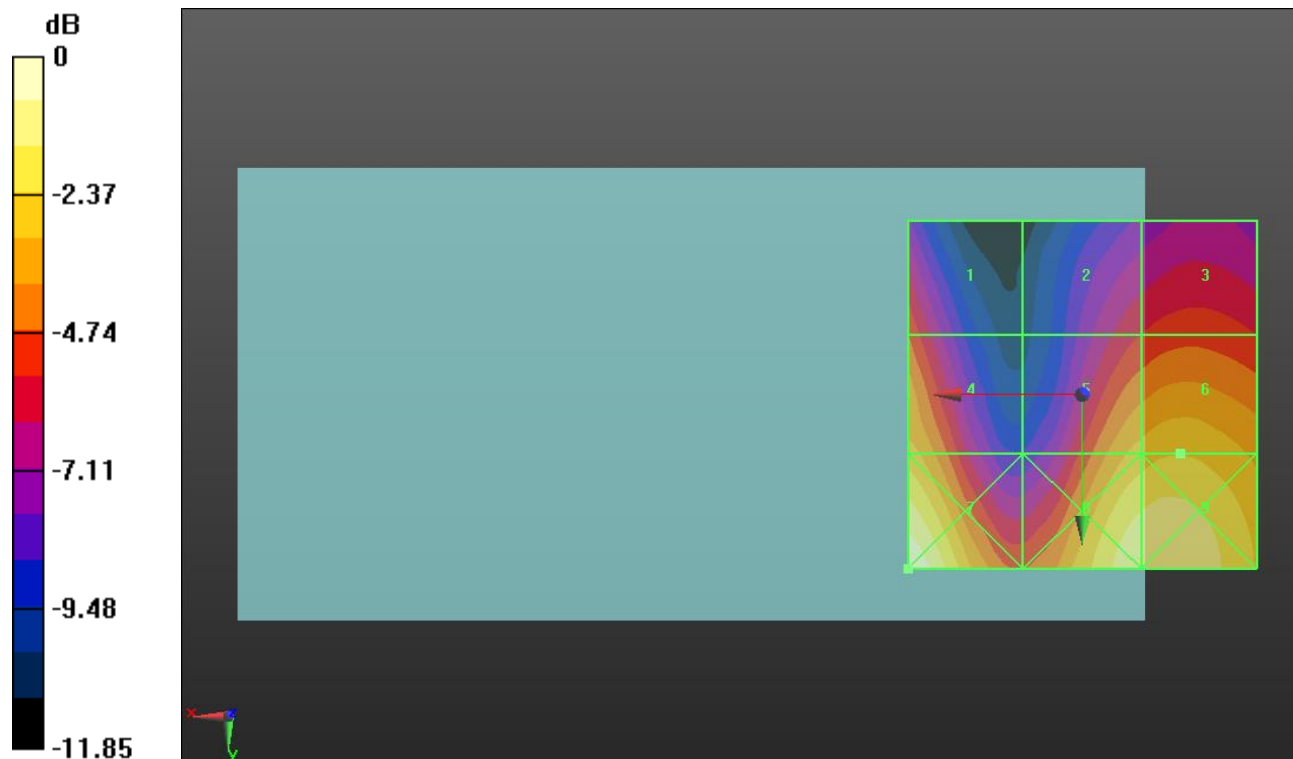
Applied MIF = -1.44 dB

RF audio interference level = 27.94 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 25.67 dBV/m	Grid 2 M4 24.87 dBV/m	Grid 3 M4 25.37 dBV/m
Grid 4 M4 27.65 dBV/m	Grid 5 M4 27.57 dBV/m	Grid 6 M4 27.94 dBV/m
Grid 7 M3 30.35 dBV/m	Grid 8 M4 29.39 dBV/m	Grid 9 M4 29.53 dBV/m



0 dB = 32.91 V/m = 30.35 dBV/m

HAC-RF Emission

Communication System: UID 10173 - CAB, LTE-TDD (SC-FDMA, 1 RB, 20 MHz, 16-QAM); Frequency: 2610.0 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 = 20.26 V/m; Power Drift = 0.07 dB

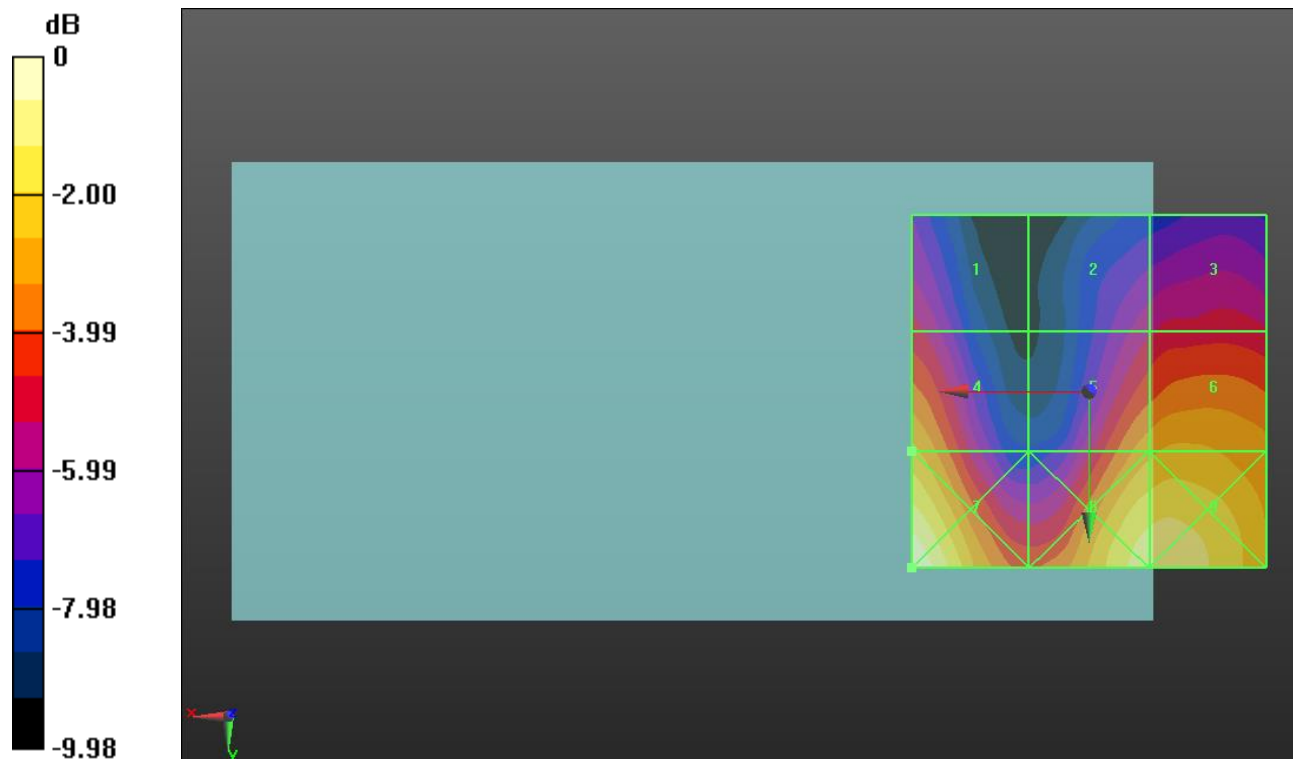
Applied MIF = -1.44 dB

RF audio interference level = 27.77 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 25.21 dBV/m	Grid 2 M4 24.81 dBV/m	Grid 3 M4 25.35 dBV/m
Grid 4 M4 27.77 dBV/m	Grid 5 M4 27.37 dBV/m	Grid 6 M4 27.72 dBV/m
Grid 7 M3 30.21 dBV/m	Grid 8 M4 29.21 dBV/m	Grid 9 M4 29.29 dBV/m



0 dB = 32.40 V/m = 30.21 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 = 15.74 V/m; Power Drift = -0.19 dB

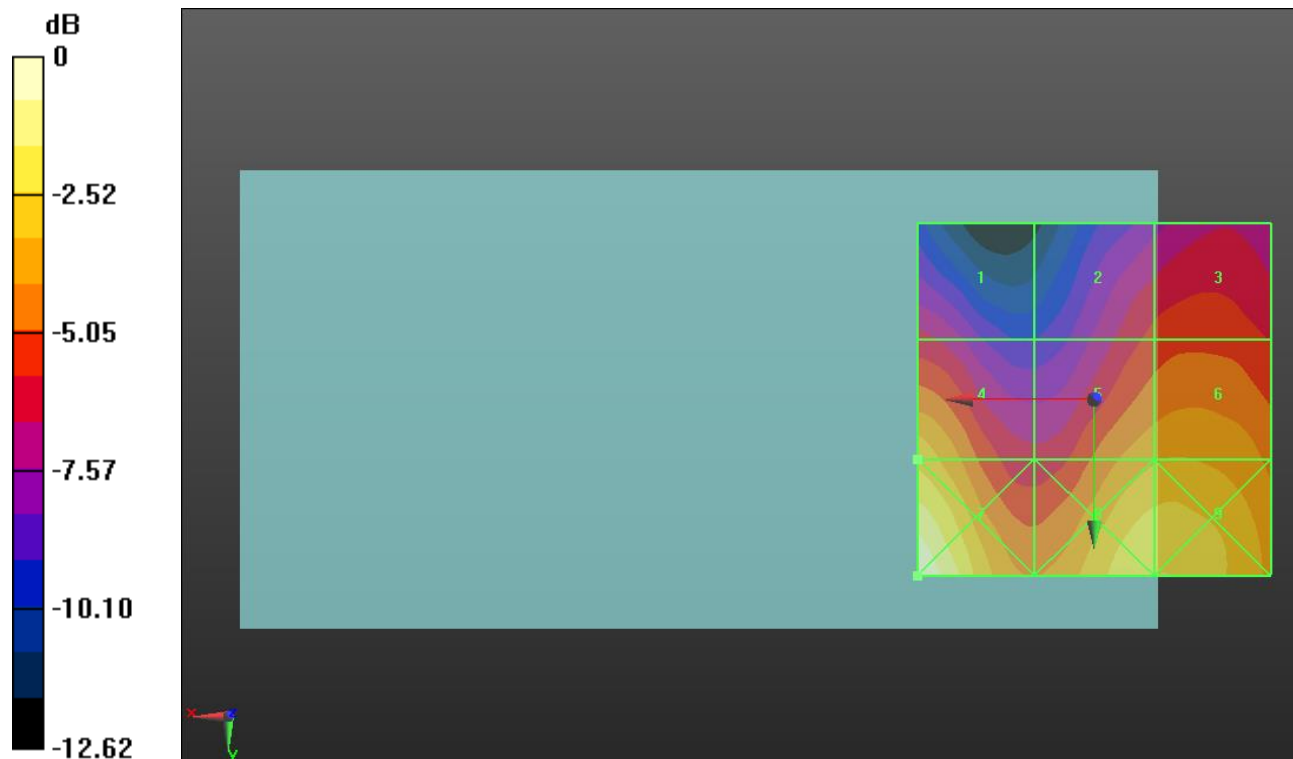
Applied MIF = -1.44 dB

RF audio interference level = 24.97 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 21.35 dBV/m	Grid 2 M4 22.18 dBV/m	Grid 3 M4 22.49 dBV/m
Grid 4 M4 24.97 dBV/m	Grid 5 M4 24.26 dBV/m	Grid 6 M4 24.43 dBV/m
Grid 7 M4 27.72 dBV/m	Grid 8 M4 26.04 dBV/m	Grid 9 M4 26.06 dBV/m



0 dB = 24.33 V/m = 27.72 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 = 14.95 V/m; Power Drift = -0.41 dB

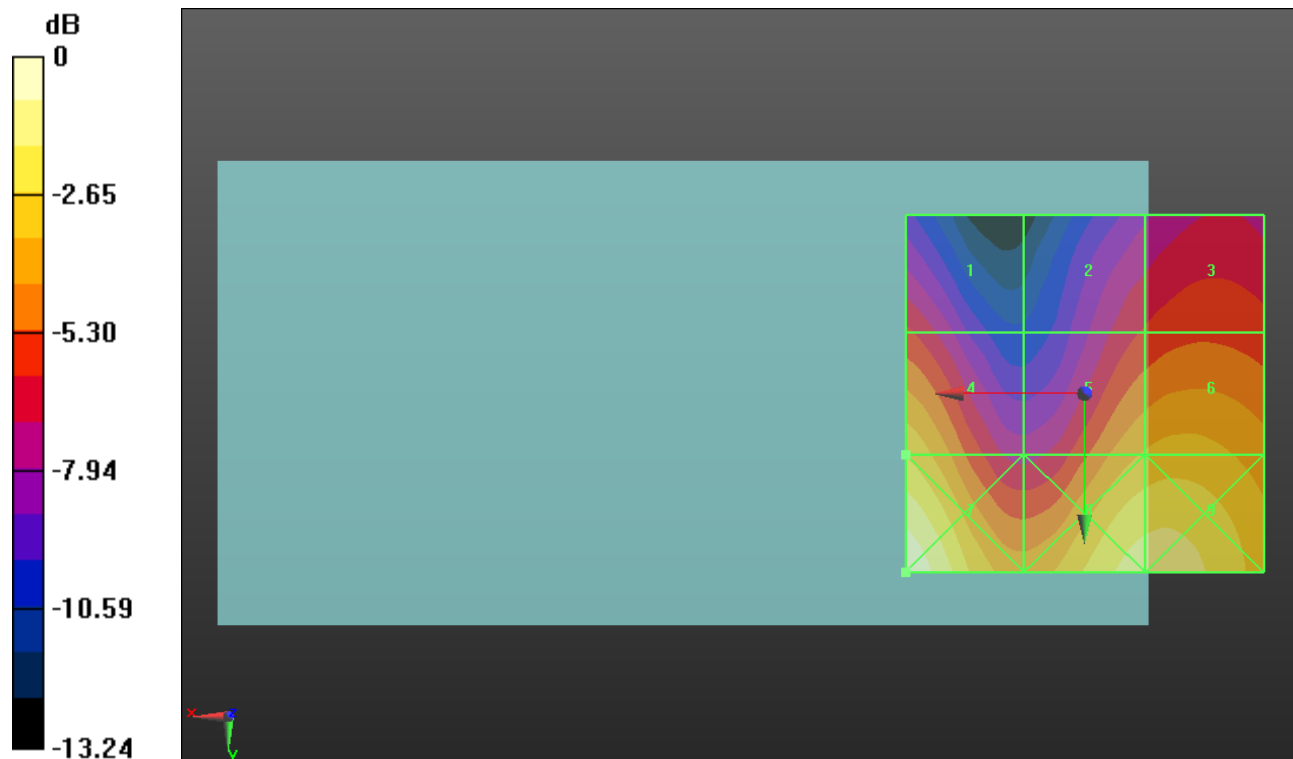
Applied MIF = -1.44 dB

RF audio interference level = 24.79 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 21.57 dBV/m	Grid 2 M4 21.47 dBV/m	Grid 3 M4 22.05 dBV/m
Grid 4 M4 24.79 dBV/m	Grid 5 M4 24.07 dBV/m	Grid 6 M4 24.36 dBV/m
Grid 7 M4 27.47 dBV/m	Grid 8 M4 26.14 dBV/m	Grid 9 M4 26.19 dBV/m



0 dB = 23.64 V/m = 27.47 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 = 15.57 V/m; Power Drift = 0.14 dB

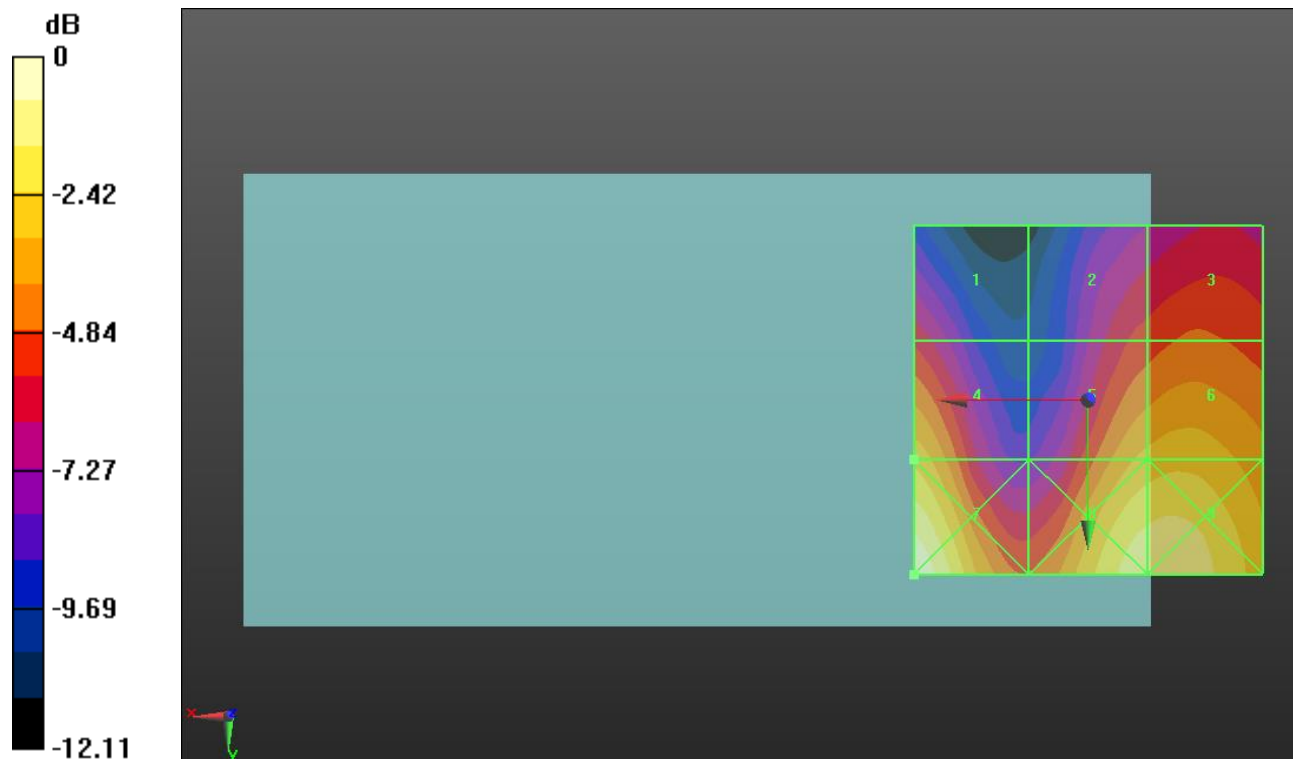
Applied MIF = -1.44 dB

RF audio interference level = 25.11 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 21.95 dBV/m	Grid 2 M4 22.47 dBV/m	Grid 3 M4 23.06 dBV/m
Grid 4 M4 25.11 dBV/m	Grid 5 M4 24.76 dBV/m	Grid 6 M4 25.06 dBV/m
Grid 7 M4 27.71 dBV/m	Grid 8 M4 26.63 dBV/m	Grid 9 M4 26.72 dBV/m



0 dB = 24.29 V/m = 27.71 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 = 15.31 V/m; Power Drift = 0.17 dB

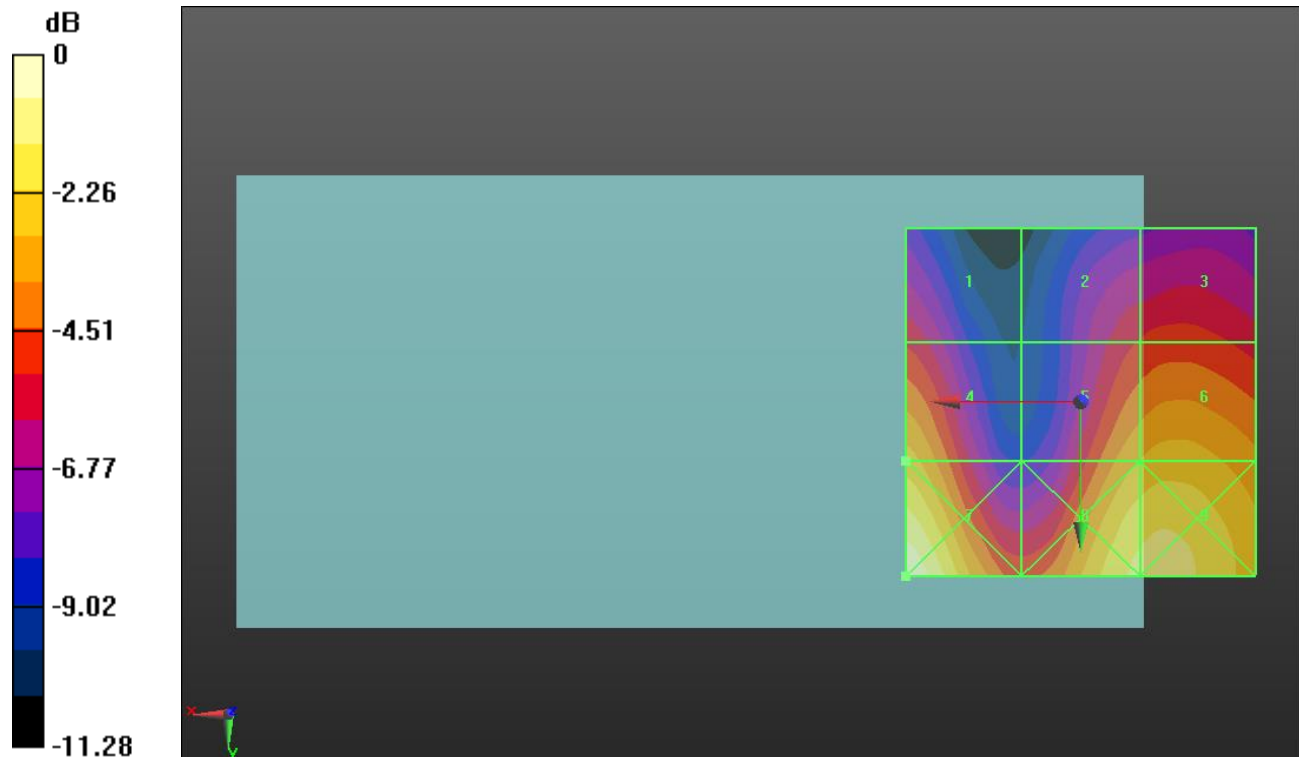
Applied MIF = -1.44 dB

RF audio interference level = 24.84 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 22.11 dBV/m	Grid 2 M4 22.28 dBV/m	Grid 3 M4 22.59 dBV/m
Grid 4 M4 24.84 dBV/m	Grid 5 M4 24.49 dBV/m	Grid 6 M4 24.84 dBV/m
Grid 7 M4 27.45 dBV/m	Grid 8 M4 26.17 dBV/m	Grid 9 M4 26.29 dBV/m



0 dB = 23.59 V/m = 27.45 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 = 17.31 V/m; Power Drift = 0.10 dB

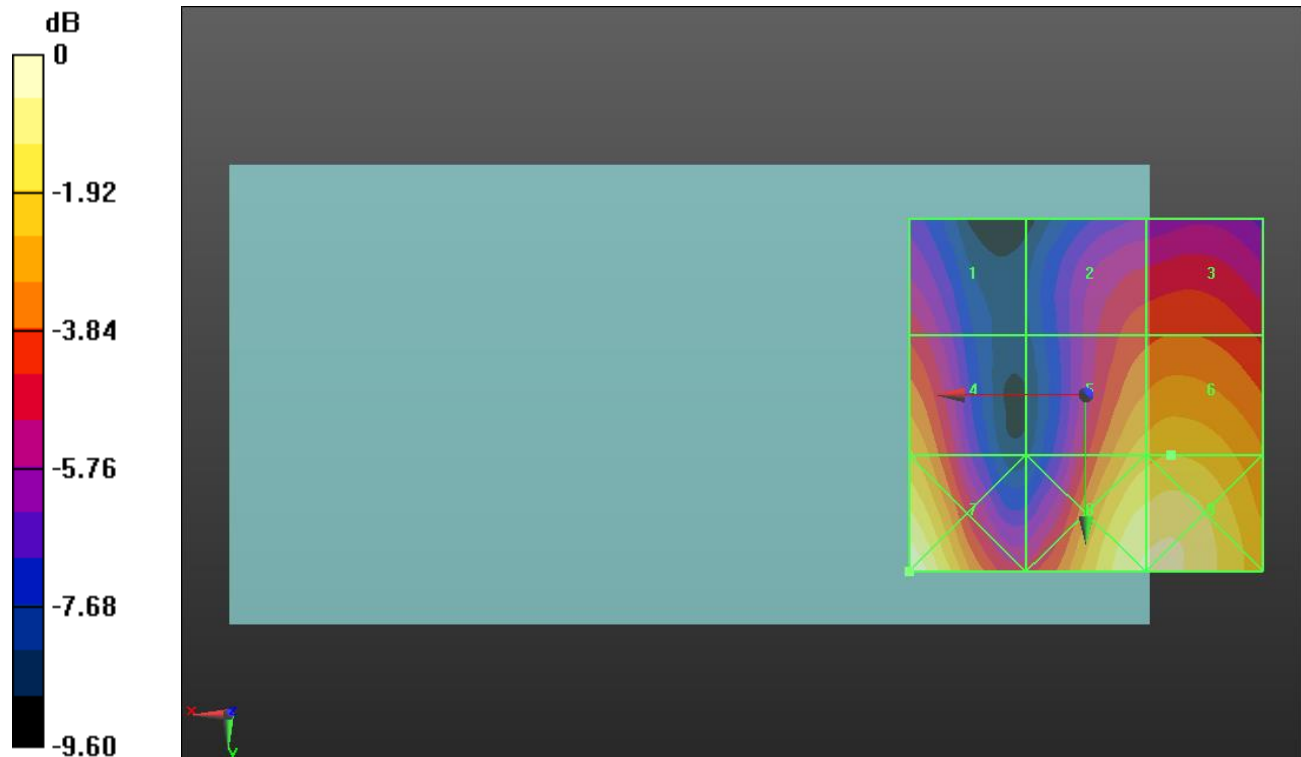
Applied MIF = -1.44 dB

RF audio interference level = 25.12 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 22.43 dBV/m	Grid 2 M4 23.02 dBV/m	Grid 3 M4 23.22 dBV/m
Grid 4 M4 24.61 dBV/m	Grid 5 M4 24.88 dBV/m	Grid 6 M4 25.12 dBV/m
Grid 7 M4 27.03 dBV/m	Grid 8 M4 26.48 dBV/m	Grid 9 M4 26.56 dBV/m



0 dB = 22.46 V/m = 27.03 dBV/m