

HAC-RF Emission UAT

Communication System: UID 10021 - DAB, 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: 5/13/2016;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1257; Calibrated: 9/16/2015
- 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 = 71.13 V/m; Power Drift = -0.04 dB

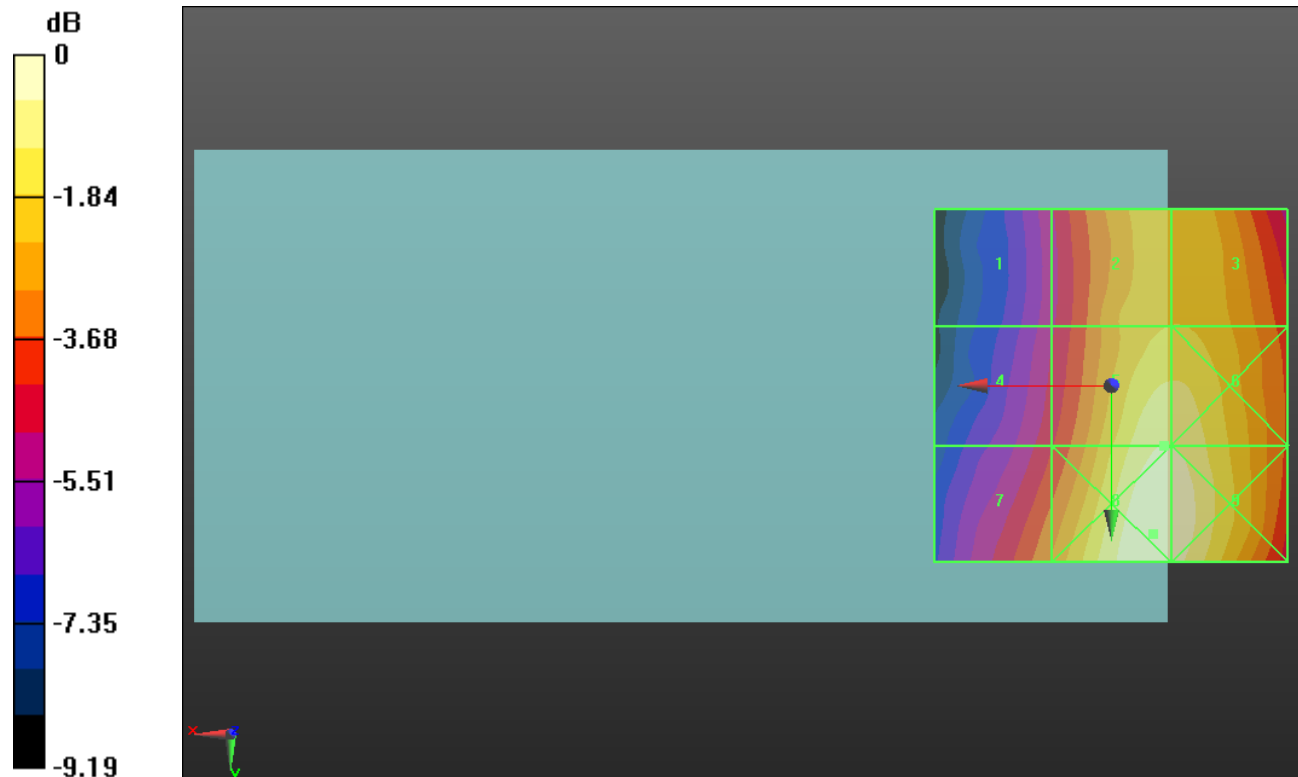
Applied MIF = 3.63 dB

RF audio interference level = 39.54 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 35.16 dBV/m	Grid 2 M4 38.31 dBV/m	Grid 3 M4 38.31 dBV/m
Grid 4 M4 35.8 dBV/m	Grid 5 M4 39.54 dBV/m	Grid 6 M4 39.52 dBV/m
Grid 7 M4 37.15 dBV/m	Grid 8 M3 40.13 dBV/m	Grid 9 M3 40.01 dBV/m



0 dB = 101.5 V/m = 40.13 dBV/m

HAC-RF Emission UAT

Communication System: UID 10021 - DAB, 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: 5/13/2016;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1257; Calibrated: 9/16/2015
- 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 = 73.56 V/m; Power Drift = -0.14 dB

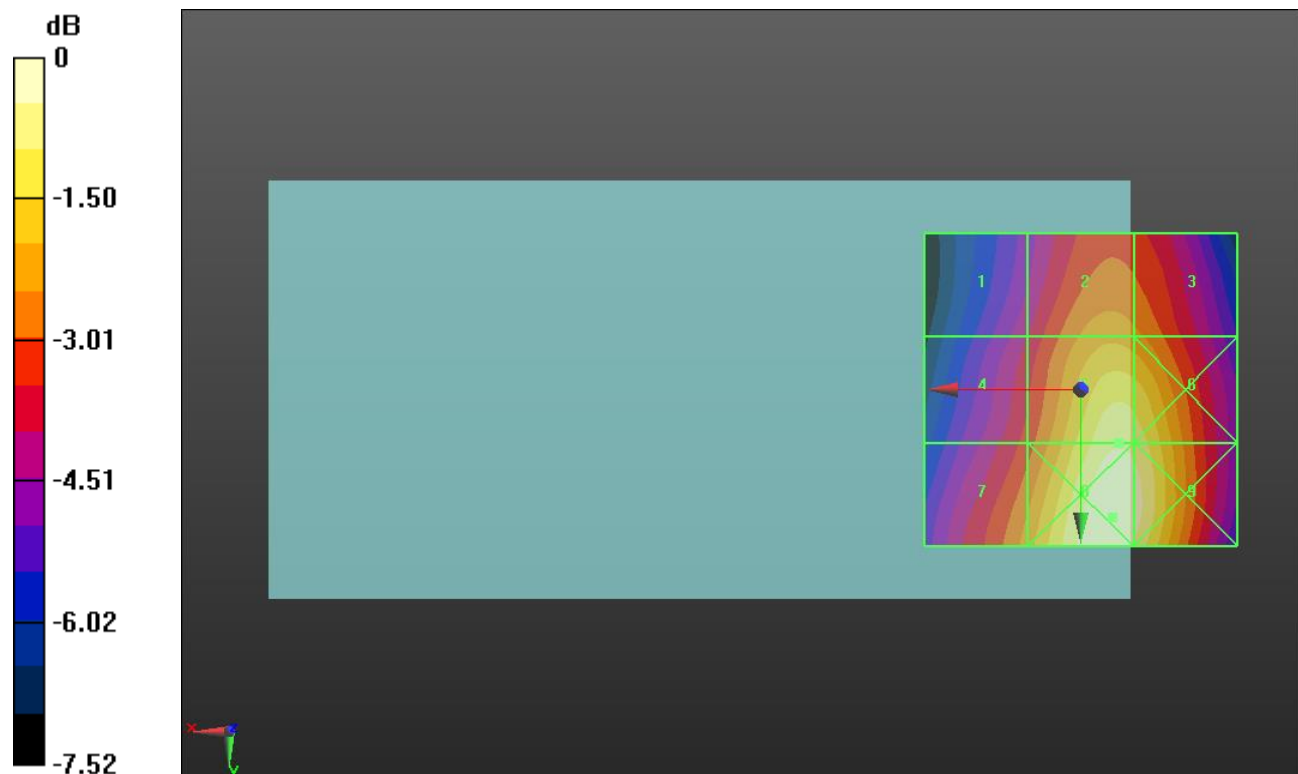
Applied MIF = 3.63 dB

RF audio interference level = 39.04 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 35.6 dBV/m	Grid 2 M4 37.47 dBV/m	Grid 3 M4 37.27 dBV/m
Grid 4 M4 36.36 dBV/m	Grid 5 M4 39.04 dBV/m	Grid 6 M4 38.92 dBV/m
Grid 7 M4 37.36 dBV/m	Grid 8 M4 39.59 dBV/m	Grid 9 M4 39.33 dBV/m



0 dB = 95.41 V/m = 39.59 dBV/m

HAC-RF Emission UAT

Communication System: UID 10021 - DAB, 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: 5/13/2016;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1257; Calibrated: 9/16/2015
- 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 = 66.80 V/m; Power Drift = -0.02 dB

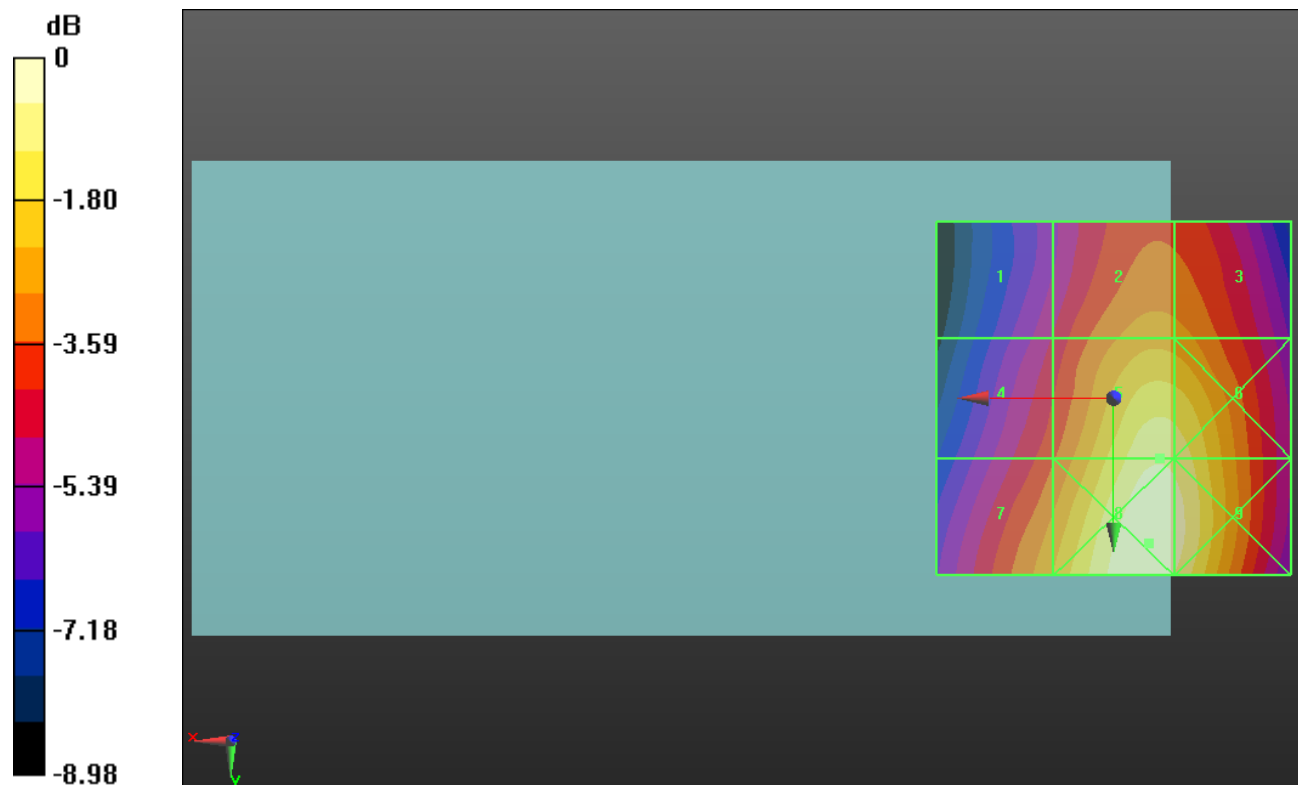
Applied MIF = 3.63 dB

RF audio interference level = 38.56 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 34.52 dBV/m	Grid 2 M4 36.64 dBV/m	Grid 3 M4 36.54 dBV/m
Grid 4 M4 35.59 dBV/m	Grid 5 M4 38.56 dBV/m	Grid 6 M4 38.45 dBV/m
Grid 7 M4 36.86 dBV/m	Grid 8 M4 39.22 dBV/m	Grid 9 M4 38.94 dBV/m



0 dB = 91.40 V/m = 39.22 dBV/m

HAC-RF Emission UAT

Communication System: UID 10021 - DAB, 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: 5/13/2016;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1257; Calibrated: 9/16/2015
- 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 = 22.18 V/m; Power Drift = 0.02 dB

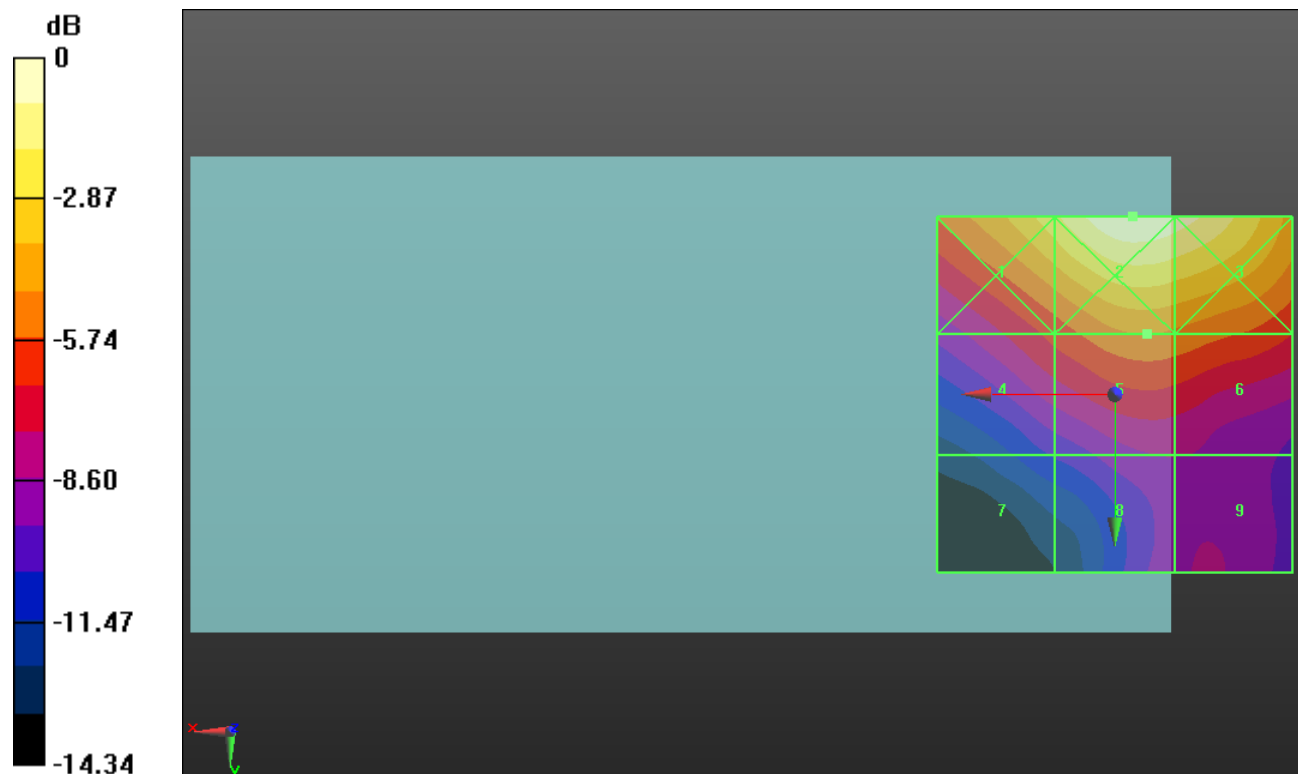
Applied MIF = 3.63 dB

RF audio interference level = 30.60 dBV/m

Emission category: M3

MIF scaled E-field

Grid 1 M3 33.22 dBV/m	Grid 2 M2 35.37 dBV/m	Grid 3 M3 34.93 dBV/m
Grid 4 M4 29.03 dBV/m	Grid 5 M3 30.6 dBV/m	Grid 6 M3 30.4 dBV/m
Grid 7 M4 25.01 dBV/m	Grid 8 M4 26.84 dBV/m	Grid 9 M4 26.89 dBV/m



0 dB = 58.65 V/m = 35.37 dBV/m

HAC-RF Emission UAT

Communication System: UID 10021 - DAB, 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: 5/13/2016;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1257; Calibrated: 9/16/2015
- 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 = 21.27 V/m; Power Drift = -0.06 dB

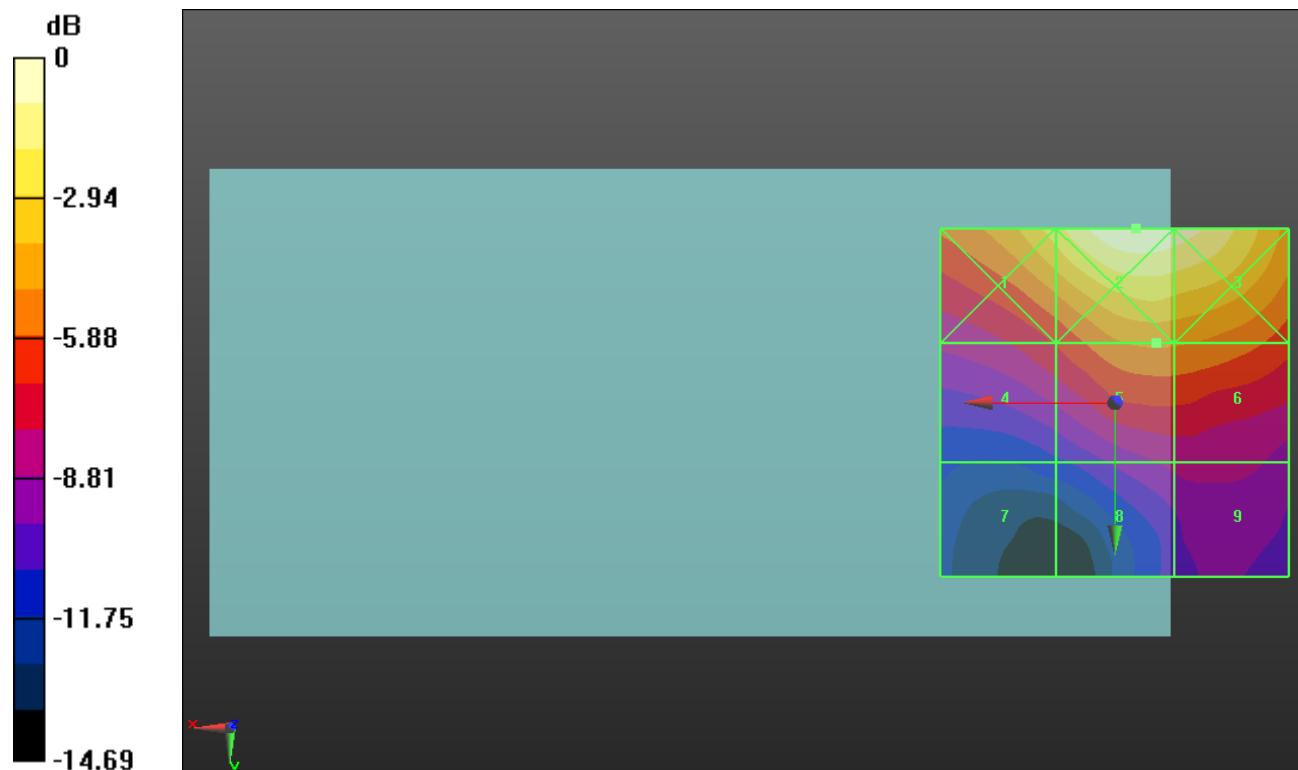
Applied MIF = 3.63 dB

RF audio interference level = 30.50 dBV/m

Emission category: M3

MIF scaled E-field

Grid 1 M3 32.88 dBV/m	Grid 2 M2 35.22 dBV/m	Grid 3 M3 34.85 dBV/m
Grid 4 M4 28.48 dBV/m	Grid 5 M3 30.5 dBV/m	Grid 6 M3 30.45 dBV/m
Grid 7 M4 24.3 dBV/m	Grid 8 M4 26.74 dBV/m	Grid 9 M4 26.86 dBV/m



0 dB = 57.70 V/m = 35.22 dBV/m

HAC-RF Emission UAT

Communication System: UID 10021 - DAB, 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: 5/13/2016;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1257; Calibrated: 9/16/2015
- 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 = 20.73 V/m; Power Drift = -0.07 dB

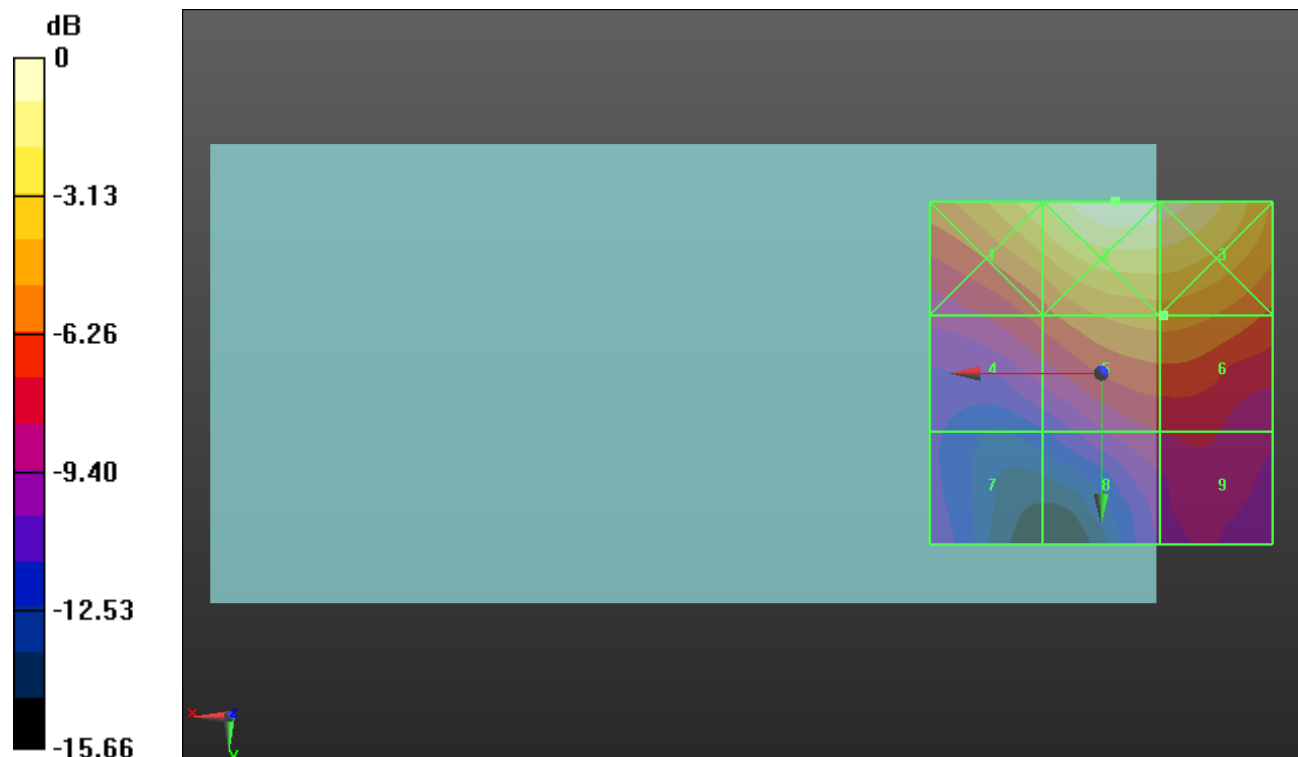
Applied MIF = 3.63 dB

RF audio interference level = 30.29 dBV/m

Emission category: M3

MIF scaled E-field

Grid 1 M3 32.85 dBV/m	Grid 2 M3 34.96 dBV/m	Grid 3 M3 34.62 dBV/m
Grid 4 M4 28.23 dBV/m	Grid 5 M3 30.29 dBV/m	Grid 6 M3 30.29 dBV/m
Grid 7 M4 24.54 dBV/m	Grid 8 M4 26.65 dBV/m	Grid 9 M4 26.9 dBV/m



0 dB = 55.98 V/m = 34.96 dBV/m

HAC-RF Emission LAT

Communication System: UID 10021 - DAB, 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: 5/13/2016;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1257; Calibrated: 9/16/2015
- 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 = 65.98 V/m; Power Drift = -0.30 dB

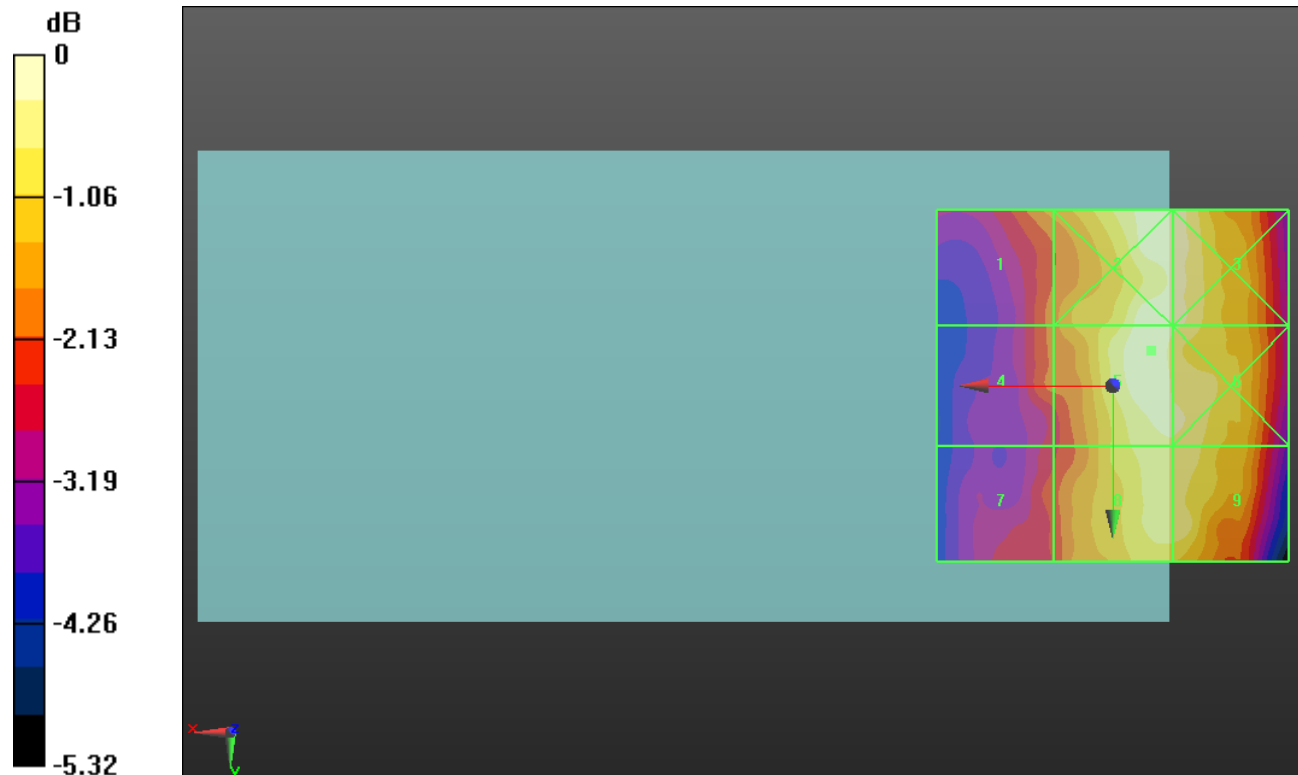
Applied MIF = 3.63 dB

RF audio interference level = 38.81 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 37.22 dBV/m	Grid 2 M4 38.76 dBV/m	Grid 3 M4 38.64 dBV/m
Grid 4 M4 36.89 dBV/m	Grid 5 M4 38.81 dBV/m	Grid 6 M4 38.55 dBV/m
Grid 7 M4 36.56 dBV/m	Grid 8 M4 38.44 dBV/m	Grid 9 M4 38.44 dBV/m



0 dB = 87.17 V/m = 38.81 dBV/m

HAC-RF Emission LAT

Communication System: UID 10021 - DAB, 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: 5/13/2016;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1257; Calibrated: 9/16/2015
- 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 = 49.75 V/m; Power Drift = -0.18 dB

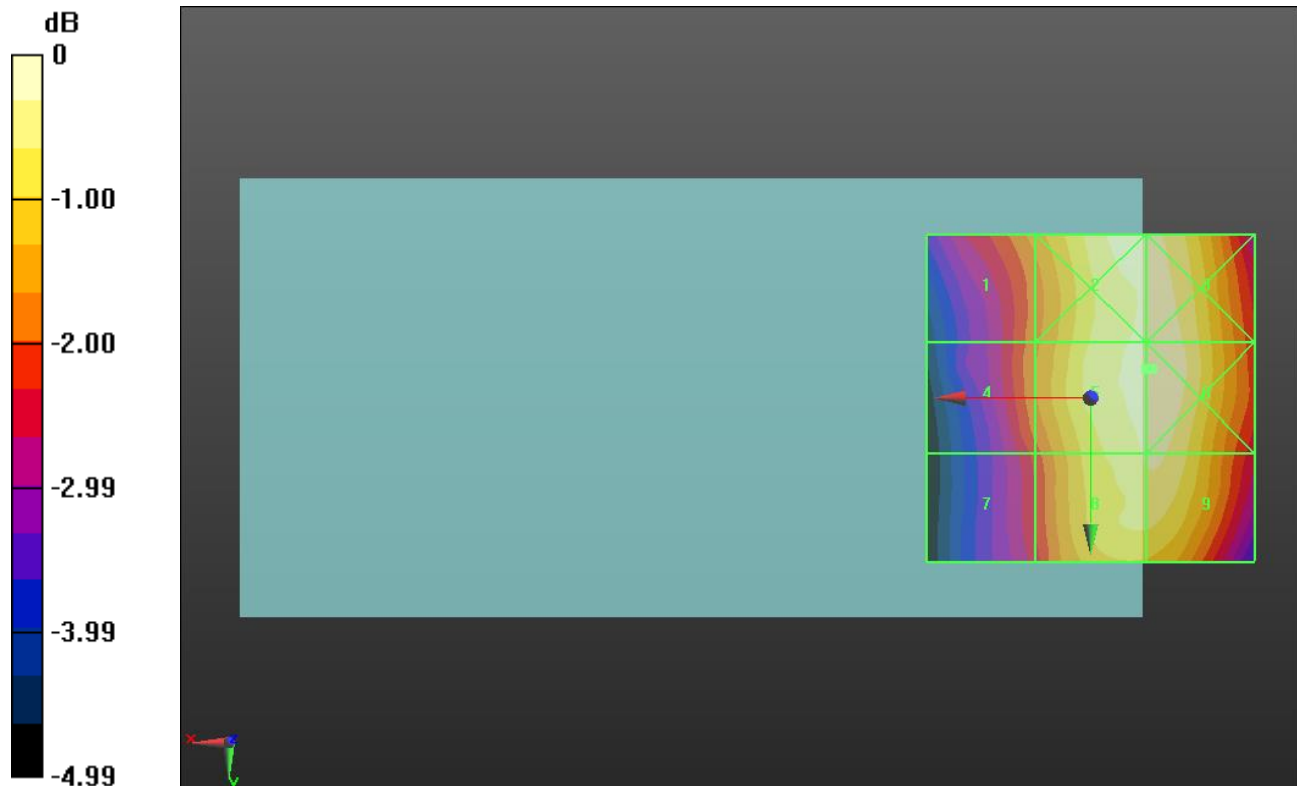
Applied MIF = 3.63 dB

RF audio interference level = 36.22 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 34.77 dBV/m	Grid 2 M4 36.1 dBV/m	Grid 3 M4 36.12 dBV/m
Grid 4 M4 34.58 dBV/m	Grid 5 M4 36.22 dBV/m	Grid 6 M4 36.26 dBV/m
Grid 7 M4 34.09 dBV/m	Grid 8 M4 35.96 dBV/m	Grid 9 M4 35.99 dBV/m



0 dB = 64.98 V/m = 36.26 dBV/m

HAC-RF Emission LAT

Communication System: UID 10021 - DAB, 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: 5/13/2016;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1257; Calibrated: 9/16/2015
- 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 = 49.70 V/m; Power Drift = -0.19 dB

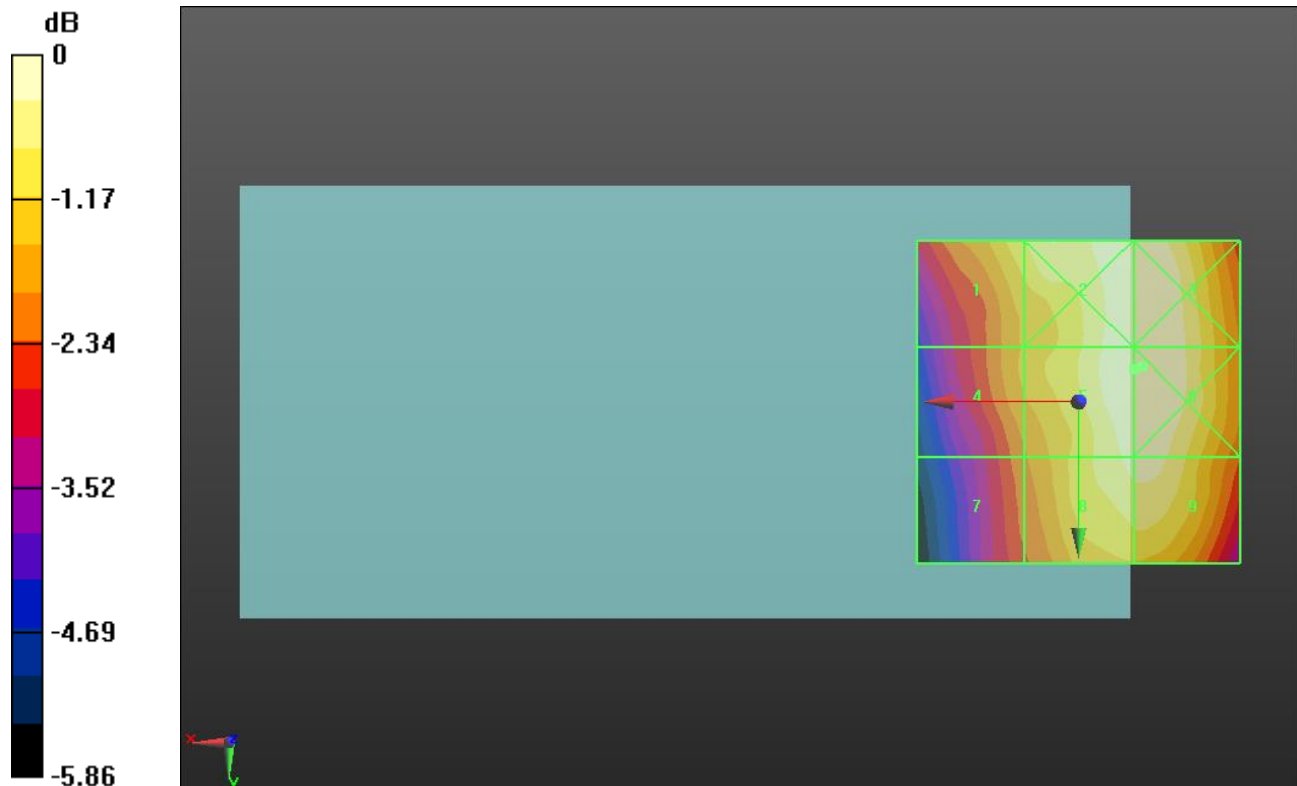
Applied MIF = 3.63 dB

RF audio interference level = 36.10 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 35.32 dBV/m	Grid 2 M4 36.07 dBV/m	Grid 3 M4 36.07 dBV/m
Grid 4 M4 34.67 dBV/m	Grid 5 M4 36.1 dBV/m	Grid 6 M4 36.12 dBV/m
Grid 7 M4 34.11 dBV/m	Grid 8 M4 35.9 dBV/m	Grid 9 M4 35.95 dBV/m



0 dB = 63.96 V/m = 36.12 dBV/m

HAC-RF Emission LAT

Communication System: UID 10021 - DAB, 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: 5/13/2016;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1257; Calibrated: 9/16/2015
- 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 = 18.65 V/m; Power Drift = 1.35 dB

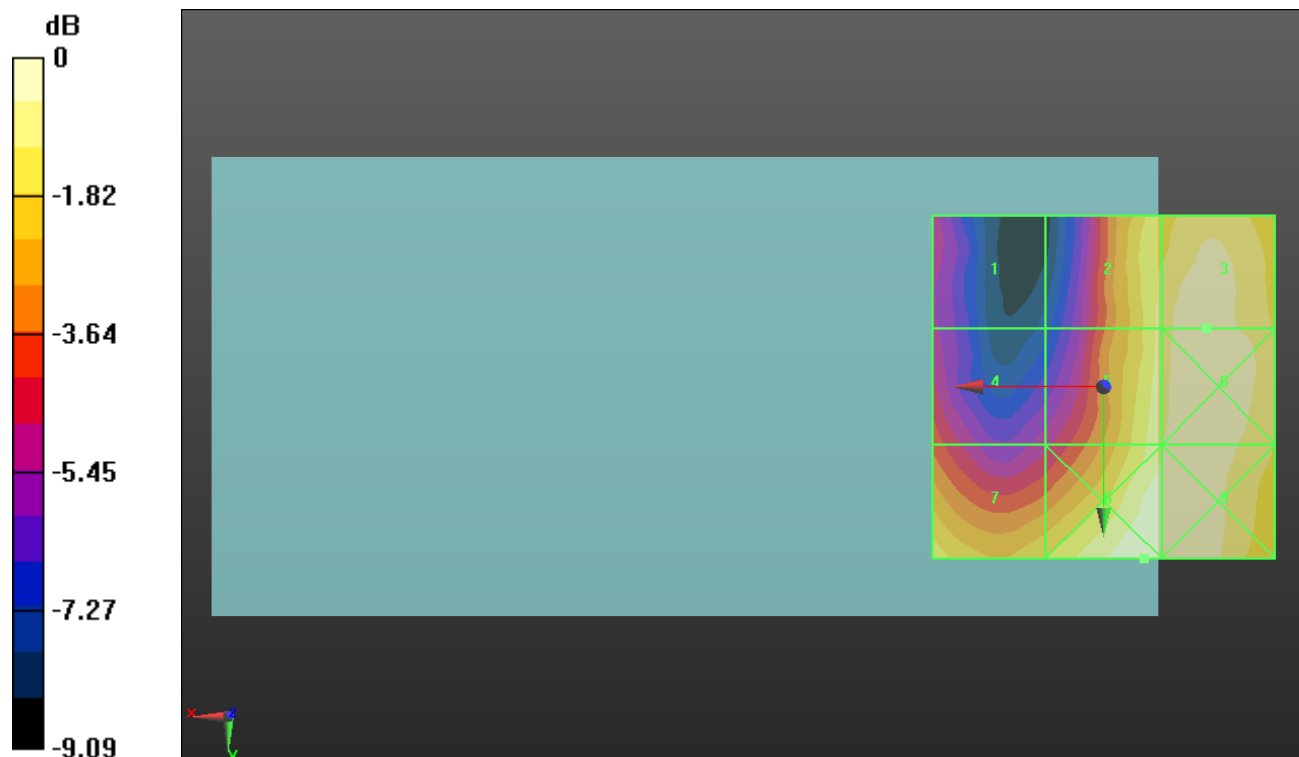
Applied MIF = 3.63 dB

RF audio interference level = 31.49 dBV/m

Emission category: M3

MIF scaled E-field

Grid 1 M4 26.92 dBV/m	Grid 2 M3 30.86 dBV/m	Grid 3 M3 31.49 dBV/m
Grid 4 M4 28.09 dBV/m	Grid 5 M3 31.16 dBV/m	Grid 6 M3 31.55 dBV/m
Grid 7 M3 30.44 dBV/m	Grid 8 M3 31.81 dBV/m	Grid 9 M3 31.67 dBV/m



0 dB = 38.93 V/m = 31.81 dBV/m

HAC-RF Emission LAT

Communication System: UID 10021 - DAB, 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: 5/13/2016;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1257; Calibrated: 9/16/2015
- 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 = 22.07 V/m; Power Drift = -0.17 dB

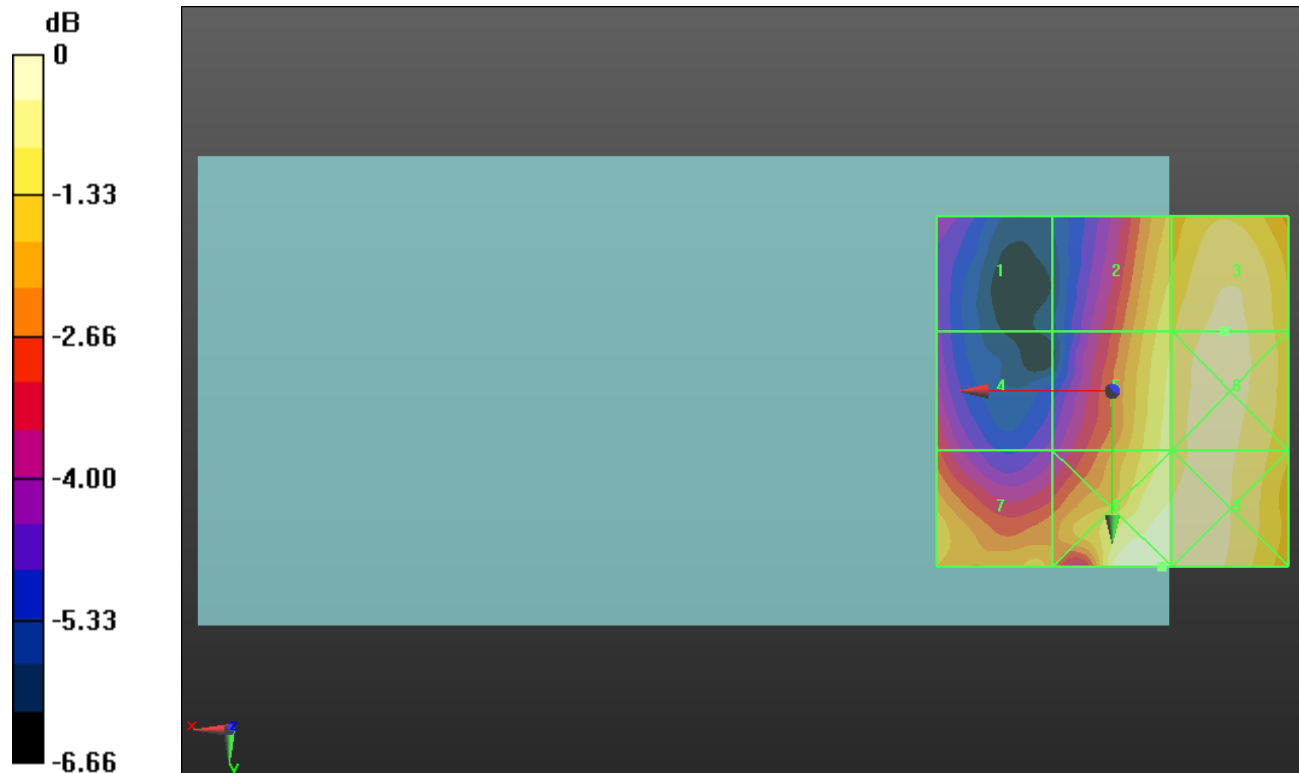
Applied MIF = 3.63 dB

RF audio interference level = 31.47 dBV/m

Emission category: M3

MIF scaled E-field

Grid 1 M4 27.8 dBV/m	Grid 2 M3 30.88 dBV/m	Grid 3 M3 31.47 dBV/m
Grid 4 M4 28.91 dBV/m	Grid 5 M3 31.17 dBV/m	Grid 6 M3 31.56 dBV/m
Grid 7 M3 30.4 dBV/m	Grid 8 M3 31.81 dBV/m	Grid 9 M3 31.74 dBV/m



0 dB = 38.94 V/m = 31.81 dBV/m

HAC-RF Emission LAT

Communication System: UID 10021 - DAB, 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: 5/13/2016;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1257; Calibrated: 9/16/2015
- 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 = 25.28 V/m; Power Drift = -0.30 dB

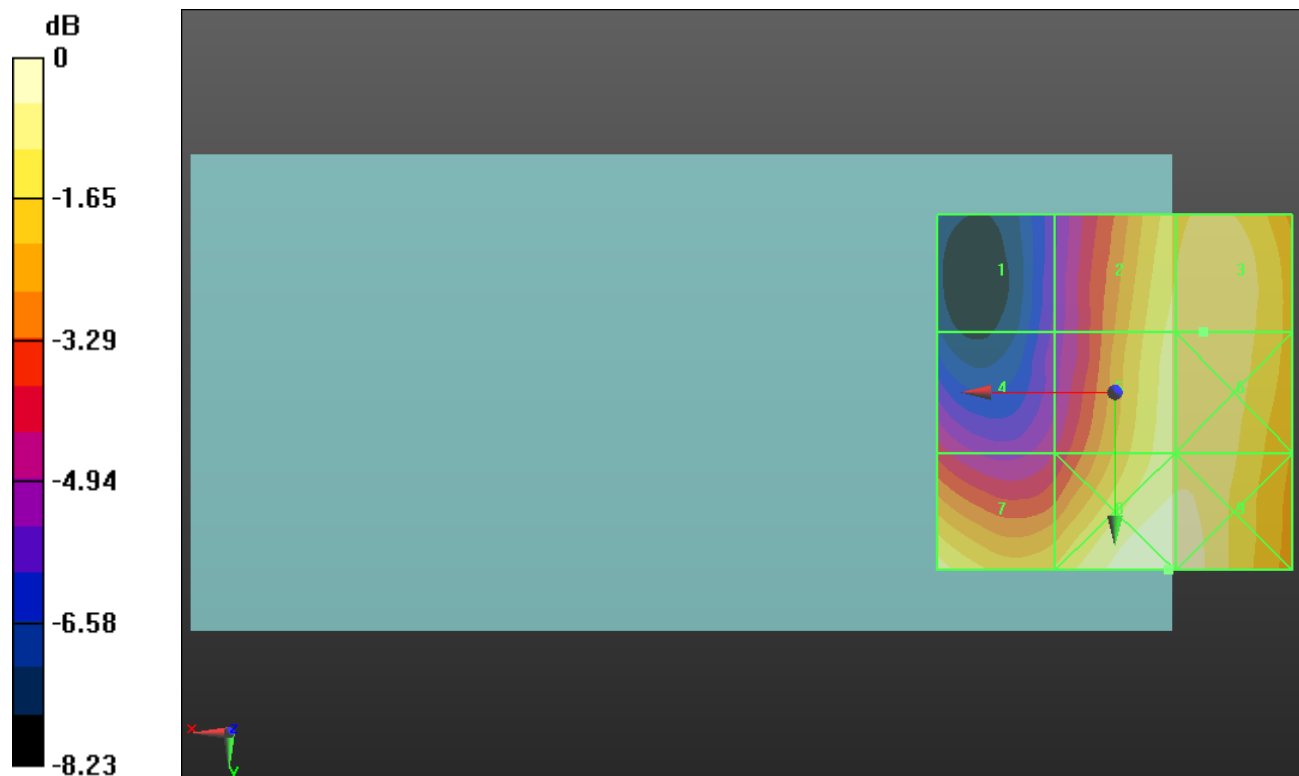
Applied MIF = 3.63 dB

RF audio interference level = 31.64 dBV/m

Emission category: M3

MIF scaled E-field

Grid 1 M4 27.01 dBV/m	Grid 2 M3 31.4 dBV/m	Grid 3 M3 31.64 dBV/m
Grid 4 M4 28.33 dBV/m	Grid 5 M3 31.56 dBV/m	Grid 6 M3 31.71 dBV/m
Grid 7 M3 31.53 dBV/m	Grid 8 M3 32.3 dBV/m	Grid 9 M3 32.28 dBV/m



0 dB = 41.23 V/m = 32.30 dBV/m

HAC-RF Emission LAT

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: DAE4 Sn1257; Calibrated: 9/16/2015
- 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 Band 41 E-Field measurement/LTE TDD_16QAM_RB 1/50_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 = 19.46 V/m; Power Drift = 0.45 dB

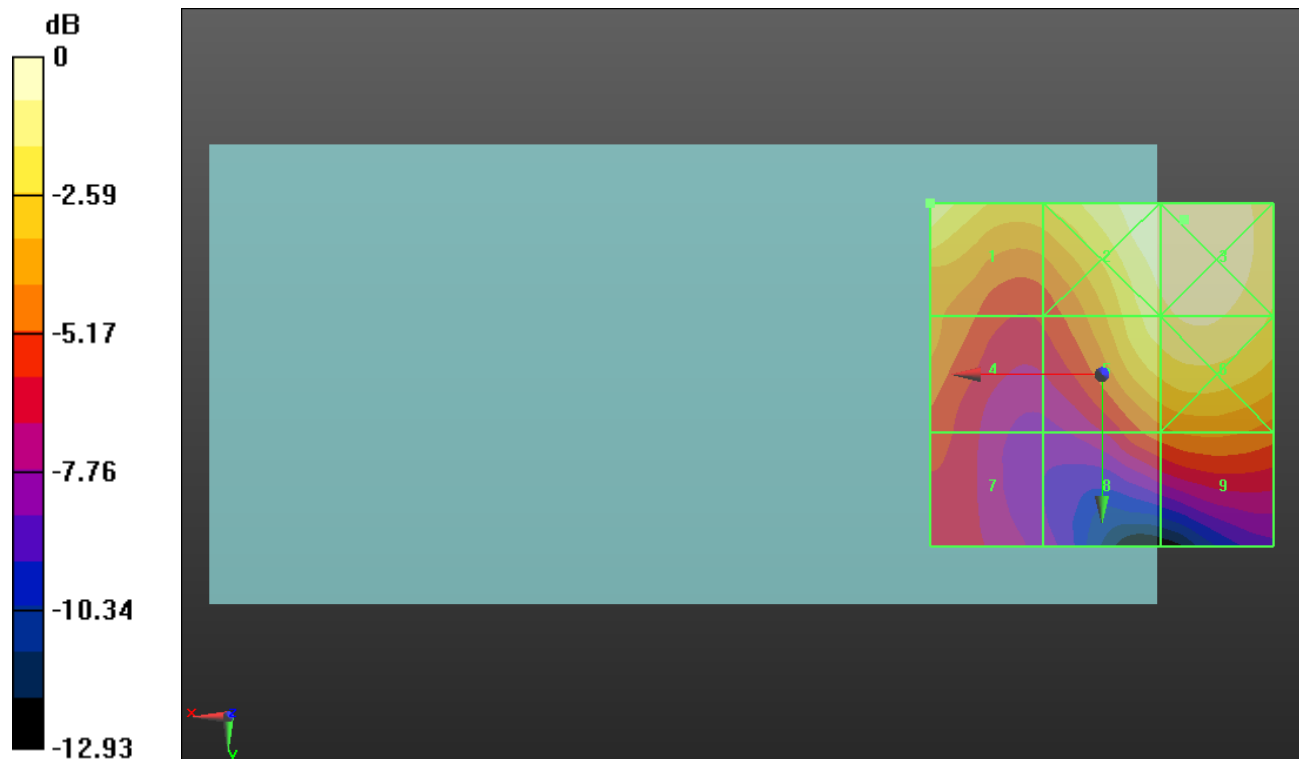
Applied MIF = -1.44 dB

RF audio interference level = 27.01 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 27.01 dBV/m	Grid 2 M4 27.81 dBV/m	Grid 3 M4 27.96 dBV/m
Grid 4 M4 23.99 dBV/m	Grid 5 M4 26.79 dBV/m	Grid 6 M4 27.23 dBV/m
Grid 7 M4 22.44 dBV/m	Grid 8 M4 23.28 dBV/m	Grid 9 M4 23.86 dBV/m



0 dB = 24.99 V/m = 27.96 dBV/m

HAC-RF Emission LAT

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: DAE4 Sn1257; Calibrated: 9/16/2015
- 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 Band 41 E-Field measurement/LTE TDD_16QAM_RB 1/50_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 = 12.92 V/m; Power Drift = 0.46 dB

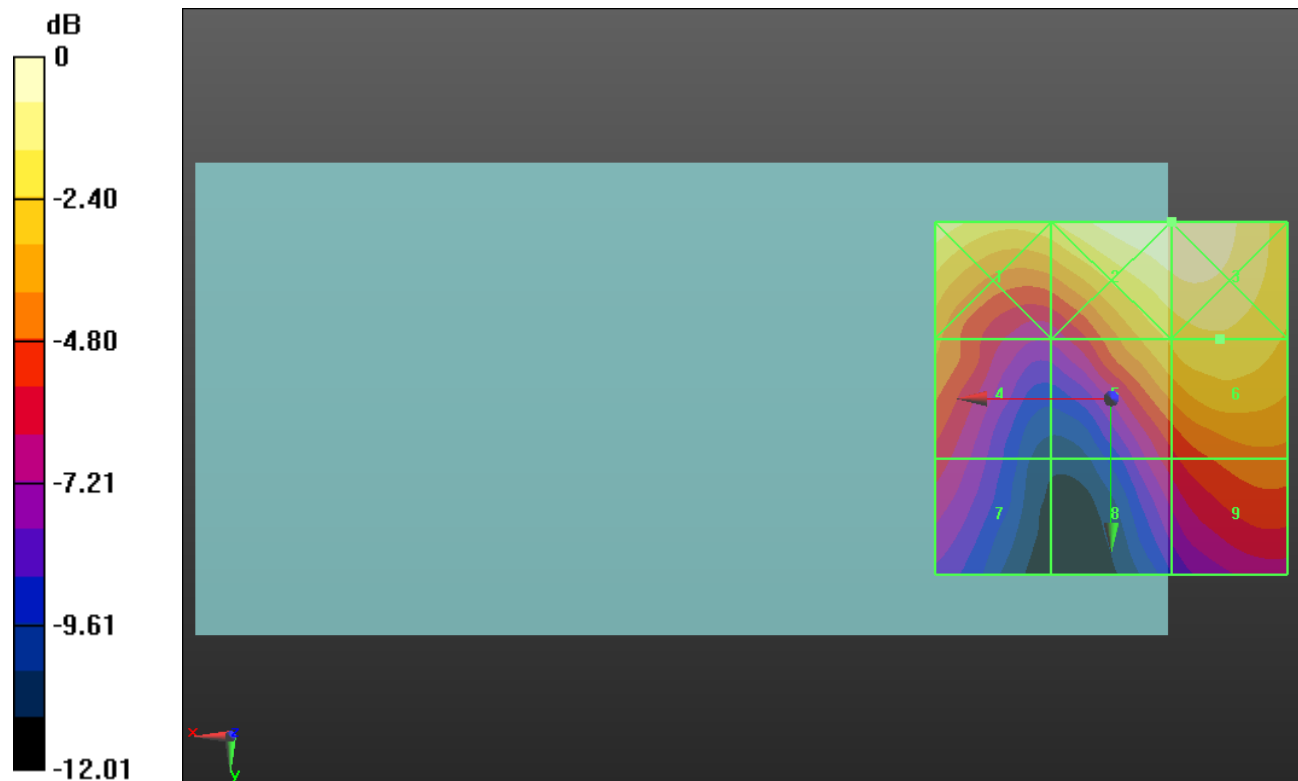
Applied MIF = -1.44 dB

RF audio interference level = 25.64 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 26.43 dBV/m	Grid 2 M4 27.35 dBV/m	Grid 3 M4 27.35 dBV/m
Grid 4 M4 23.63 dBV/m	Grid 5 M4 25.11 dBV/m	Grid 6 M4 25.64 dBV/m
Grid 7 M4 21.49 dBV/m	Grid 8 M4 21.47 dBV/m	Grid 9 M4 23.14 dBV/m



0 dB = 23.32 V/m = 27.35 dBV/m

HAC-RF Emission LAT

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: DAE4 Sn1257; Calibrated: 9/16/2015
- 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 Band 41 E-Field measurement/LTE TDD_16QAM_RB 1/50_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 = 12.41 V/m; Power Drift = -0.71 dB

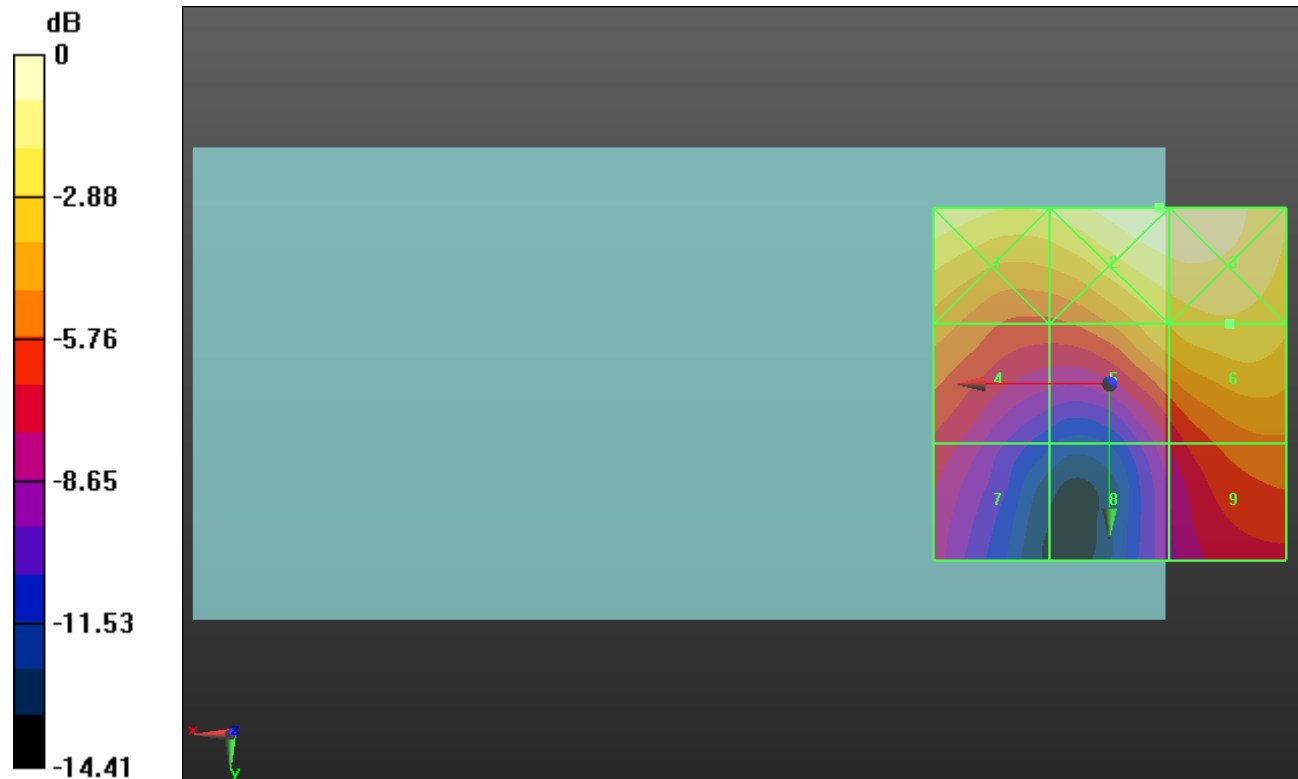
Applied MIF = -1.44 dB

RF audio interference level = 25.76 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 27.03 dBV/m	Grid 2 M4 27.84 dBV/m	Grid 3 M4 27.82 dBV/m
Grid 4 M4 23.62 dBV/m	Grid 5 M4 25.04 dBV/m	Grid 6 M4 25.76 dBV/m
Grid 7 M4 20.93 dBV/m	Grid 8 M4 20.27 dBV/m	Grid 9 M4 22.85 dBV/m



0 dB = 24.67 V/m = 27.84 dBV/m

HAC-RF Emission LAT

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: DAE4 Sn1257; Calibrated: 9/16/2015
- 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 Band 41 E-Field measurement/LTE TDD_16QAM_RB 1/50_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 = 11.91 V/m; Power Drift = 0.41 dB

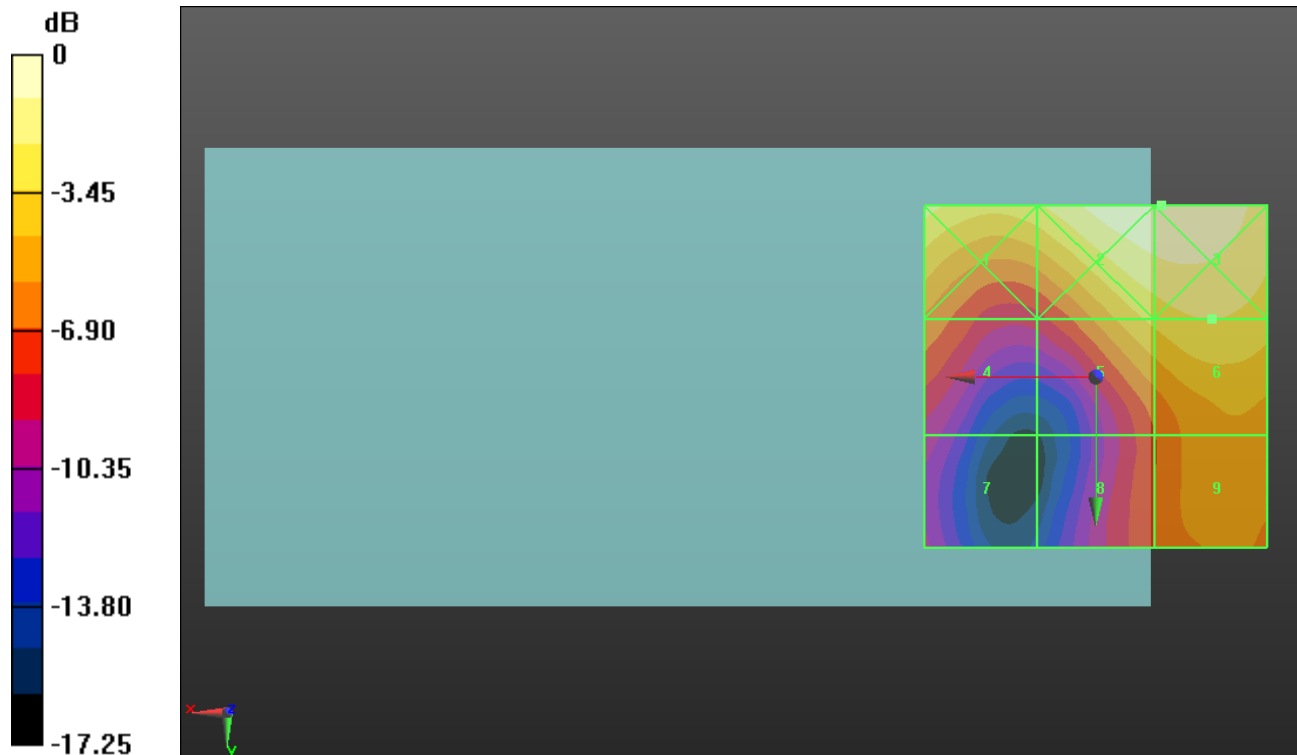
Applied MIF = -1.44 dB

RF audio interference level = 25.59 dBV/m

Emission category: **M4**

MIF scaled E-field

Grid 1 M4 26.1 dBV/m	Grid 2 M4 27.83 dBV/m	Grid 3 M4 27.85 dBV/m
Grid 4 M4 21.99 dBV/m	Grid 5 M4 24.74 dBV/m	Grid 6 M4 25.59 dBV/m
Grid 7 M4 18.29 dBV/m	Grid 8 M4 21.03 dBV/m	Grid 9 M4 22.96 dBV/m



0 dB = 24.68 V/m = 27.85 dBV/m

HAC-RF Emission LAT

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: 5/13/2016;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1257; Calibrated: 9/16/2015
- 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 Band 41 E-Field measurement/LTE TDD_16QAM_RB 1/50_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 = 10.53 V/m; Power Drift = 0.37 dB

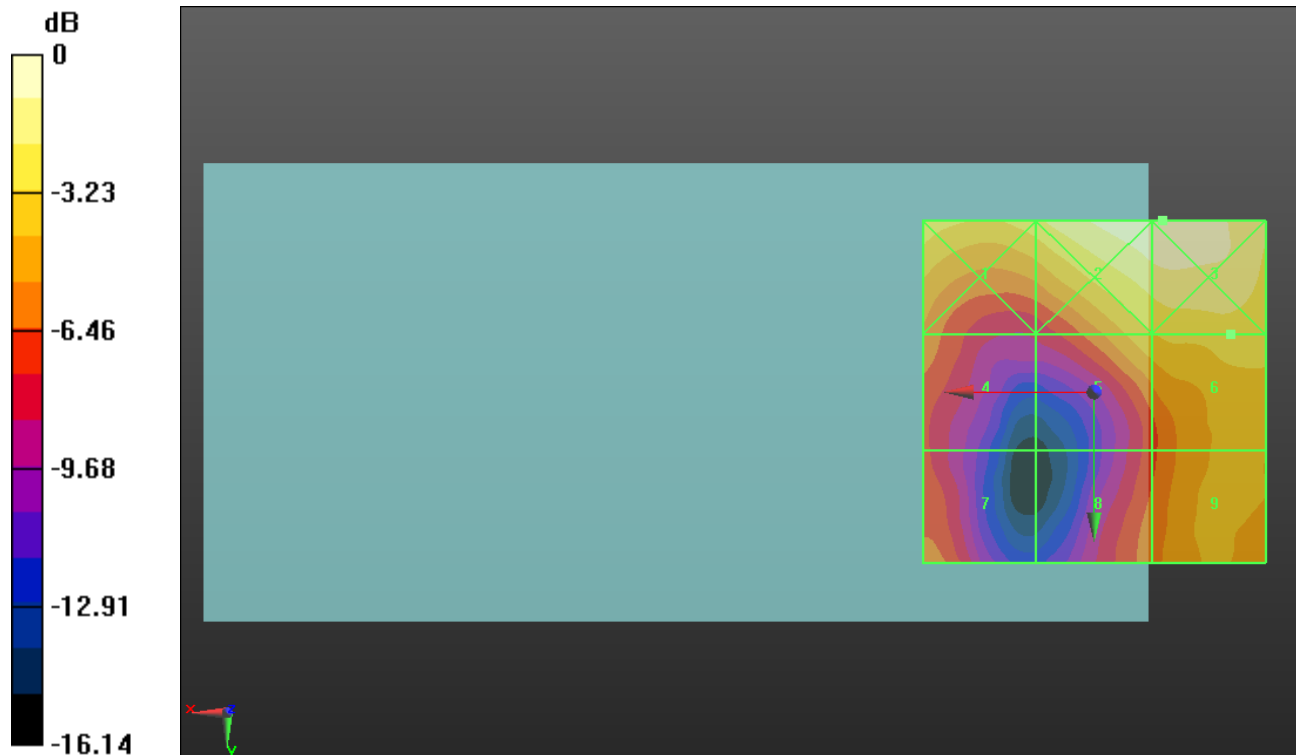
Applied MIF = -1.44 dB

RF audio interference level = 24.99 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 25.09 dBV/m	Grid 2 M4 27.5 dBV/m	Grid 3 M4 27.56 dBV/m
Grid 4 M4 22.08 dBV/m	Grid 5 M4 24.27 dBV/m	Grid 6 M4 24.99 dBV/m
Grid 7 M4 22.03 dBV/m	Grid 8 M4 21.82 dBV/m	Grid 9 M4 23.52 dBV/m



0 dB = 23.88 V/m = 27.56 dBV/m

HAC-RF Emission LAT

Communication System: UID 10077 - CAA, IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 54 Mbps); Frequency: 2422 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: DAE4 Sn1257; Calibrated: 9/16/2015
- 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 E-Field measurement/IEEE 802.11g_OFDM 54 Mbps_ch 3/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 = 12.64 V/m; Power Drift = -0.02 dB

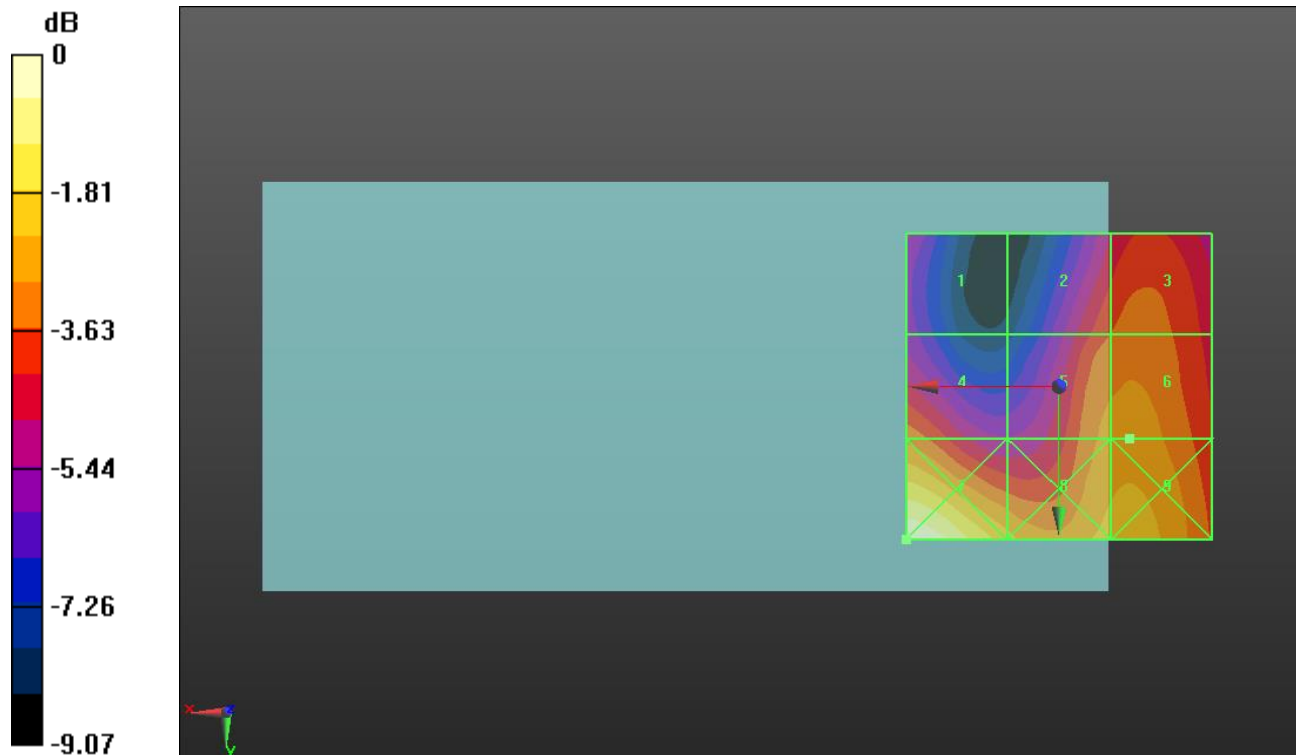
Applied MIF = 0.12 dB

RF audio interference level = 22.90 dBV/m

Emission category: **M4**

MIF scaled E-field

Grid 1 M4 20.36 dBV/m	Grid 2 M4 21.99 dBV/m	Grid 3 M4 22.28 dBV/m
Grid 4 M4 22.42 dBV/m	Grid 5 M4 22.8 dBV/m	Grid 6 M4 22.9 dBV/m
Grid 7 M4 25.58 dBV/m	Grid 8 M4 23.45 dBV/m	Grid 9 M4 23.47 dBV/m



0 dB = 19.01 V/m = 25.58 dBV/m

HAC-RF Emission LAT

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: DAE4 Sn1257; Calibrated: 9/16/2015
- 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 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 = 13.63 V/m; Power Drift = 0.05 dB

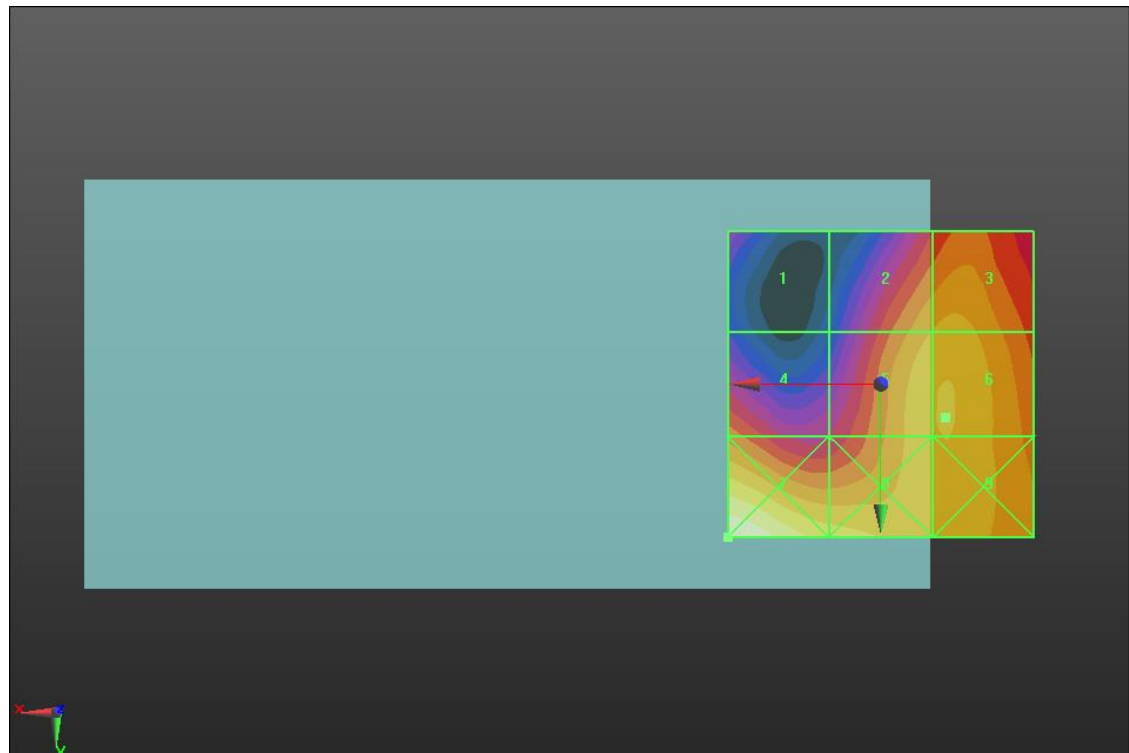
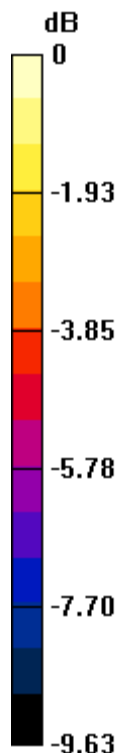
Applied MIF = 0.12 dB

RF audio interference level = 23.09 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 19.12 dBV/m	Grid 2 M4 22.46 dBV/m	Grid 3 M4 22.65 dBV/m
Grid 4 M4 21.54 dBV/m	Grid 5 M4 23.01 dBV/m	Grid 6 M4 23.09 dBV/m
Grid 7 M4 24.97 dBV/m	Grid 8 M4 23.43 dBV/m	Grid 9 M4 23.05 dBV/m



0 dB = 17.71 V/m = 24.96 dBV/m

HAC-RF Emission LAT

Communication System: UID 10077 - CAA, IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 54 Mbps); Frequency: 2452 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: DAE4 Sn1257; Calibrated: 9/16/2015
- 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 E-Field measurement/IEEE 802.11g_OFDM 54 Mbps_ch 9/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 = 12.40 V/m; Power Drift = 0.03 dB

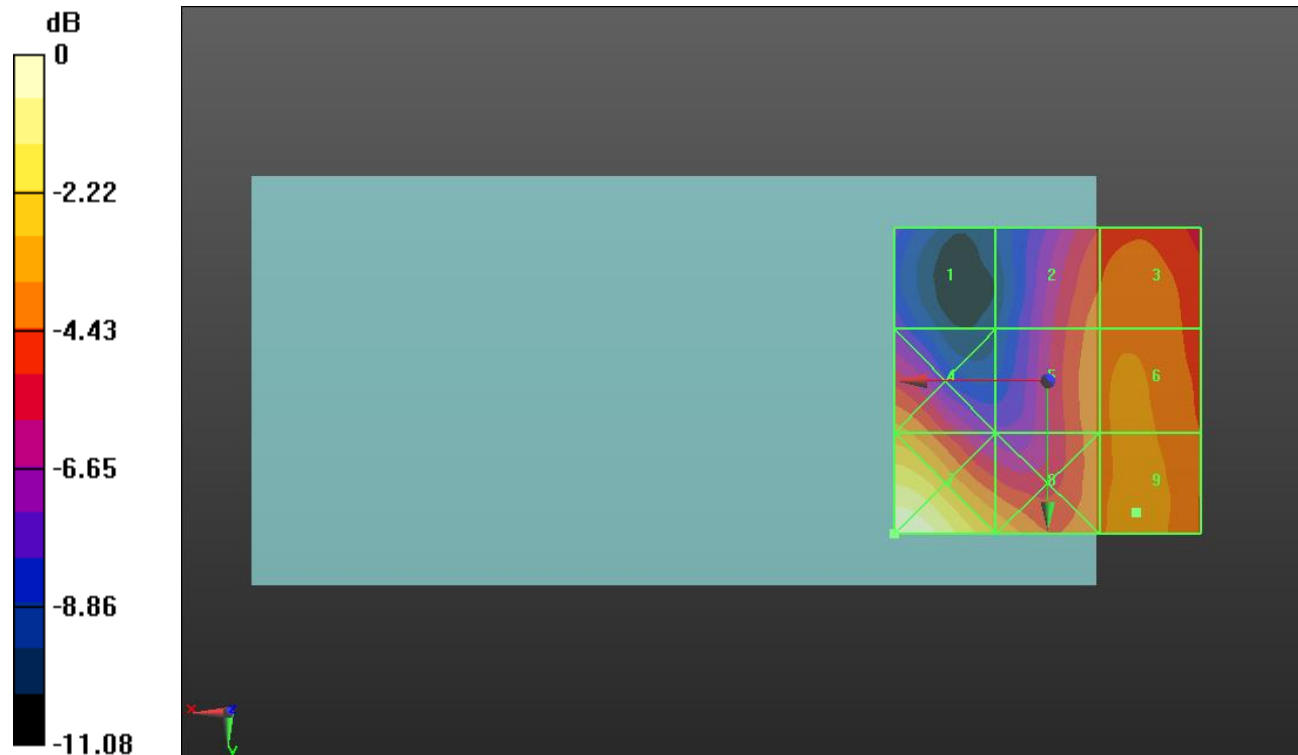
Applied MIF = 0.12 dB

RF audio interference level = 23.29 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 19.21 dBV/m	Grid 2 M4 22.63 dBV/m	Grid 3 M4 22.94 dBV/m
Grid 4 M4 23.36 dBV/m	Grid 5 M4 22.87 dBV/m	Grid 6 M4 23.15 dBV/m
Grid 7 M4 26.7 dBV/m	Grid 8 M4 23.82 dBV/m	Grid 9 M4 23.29 dBV/m



0 dB = 21.63 V/m = 26.70 dBV/m