

HAC-RF Emission

Communication System: UID 10021 - DAC, GSM-FDD (TDMA, GMSK); Frequency: 824.2 MHz; Duty Cycle: 1:8.6896

Phantom section: RF Section

DASY5 Configuration:

- Probe: EF3DV3 - SN4041; ConvF(1, 1, 1); Calibrated: 3/22/2019;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1352; Calibrated: 11/6/2018
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.8 (8);SEMCAD X Version 14.6.10 (7331)

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 = 51.74 V/m; Power Drift = -0.12 dB

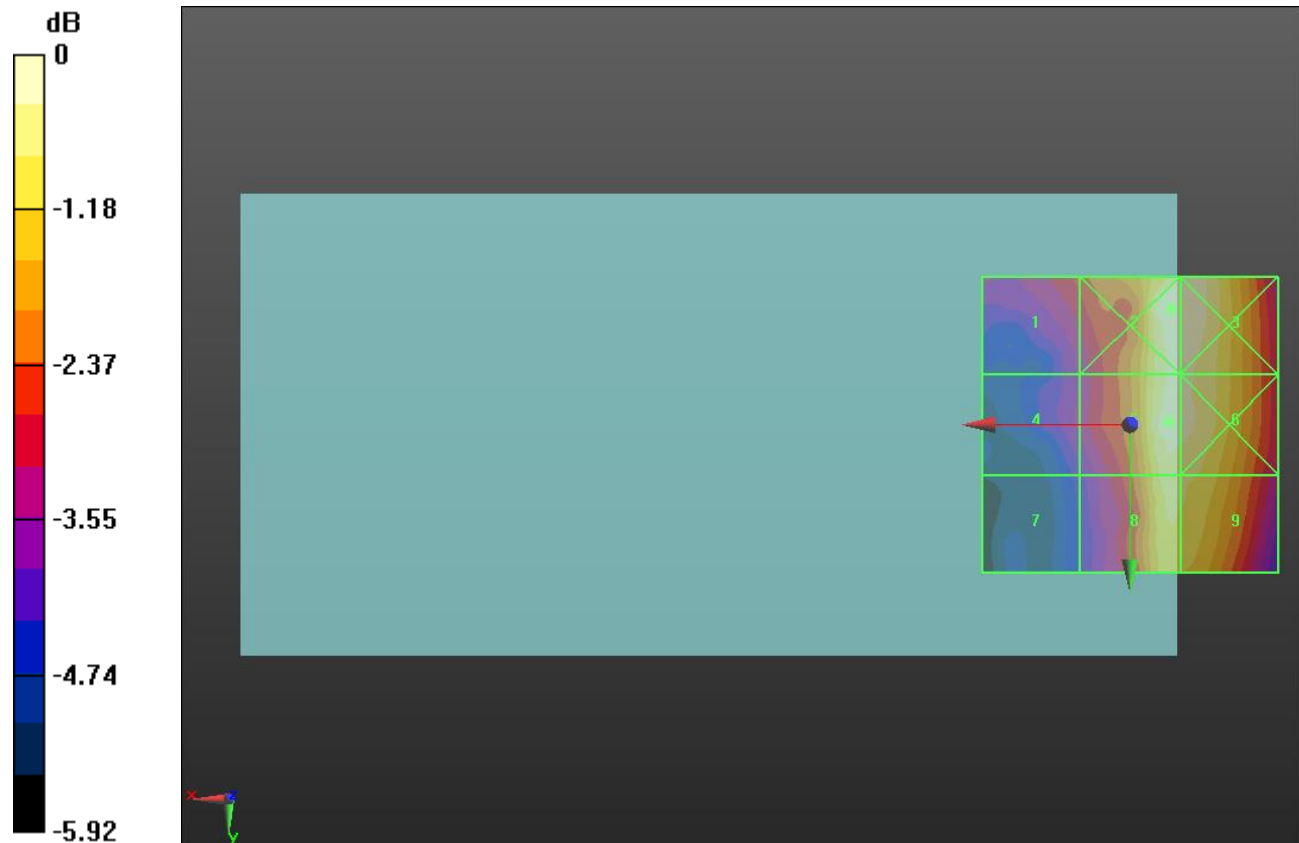
Applied MIF = 3.63 dB

RF audio interference level = 35.41 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 32.96 dBV/m	Grid 2 M4 35.55 dBV/m	Grid 3 M4 35.5 dBV/m
Grid 4 M4 32.16 dBV/m	Grid 5 M4 35.41 dBV/m	Grid 6 M4 35.31 dBV/m
Grid 7 M4 31.47 dBV/m	Grid 8 M4 34.99 dBV/m	Grid 9 M4 34.92 dBV/m



0 dB = 59.92 V/m = 35.55 dBV/m

HAC-RF Emission

Communication System: UID 10021 - DAC, GSM-FDD (TDMA, GMSK); Frequency: 836.6 MHz; Duty Cycle: 1:8.6896

Phantom section: RF Section

DASY5 Configuration:

- Probe: EF3DV3 - SN4041; ConvF(1, 1, 1); Calibrated: 3/22/2019;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1352; Calibrated: 11/6/2018
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

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 = 42.62 V/m; Power Drift = -0.11 dB

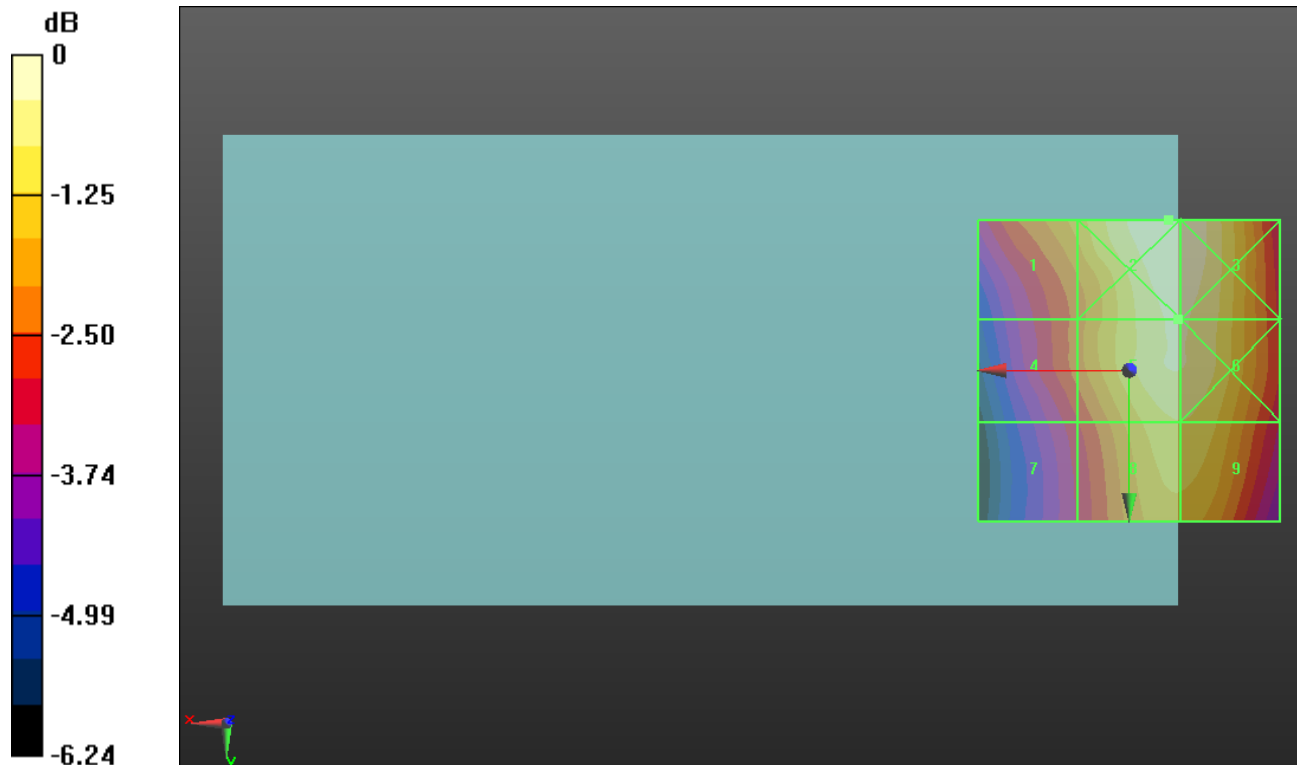
Applied MIF = 3.63 dB

RF audio interference level = 33.67 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 32.6 dBV/m	Grid 2 M4 34.04 dBV/m	Grid 3 M4 34.01 dBV/m
Grid 4 M4 31.81 dBV/m	Grid 5 M4 33.67 dBV/m	Grid 6 M4 33.67 dBV/m
Grid 7 M4 31.13 dBV/m	Grid 8 M4 33.2 dBV/m	Grid 9 M4 33.2 dBV/m



0 dB = 50.35 V/m = 34.04 dBV/m

HAC-RF Emission

Communication System: UID 10021 - DAC, GSM-FDD (TDMA, GMSK); Frequency: 848.8 MHz; Duty Cycle: 1:8.6896

Phantom section: RF Section

DASY5 Configuration:

- Probe: EF3DV3 - SN4041; ConvF(1, 1, 1) @ 848.8 MHz; Calibrated: 3/22/2019
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1352; Calibrated: 11/6/2018
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7450)

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 = 38.96 V/m; Power Drift = -0.16 dB

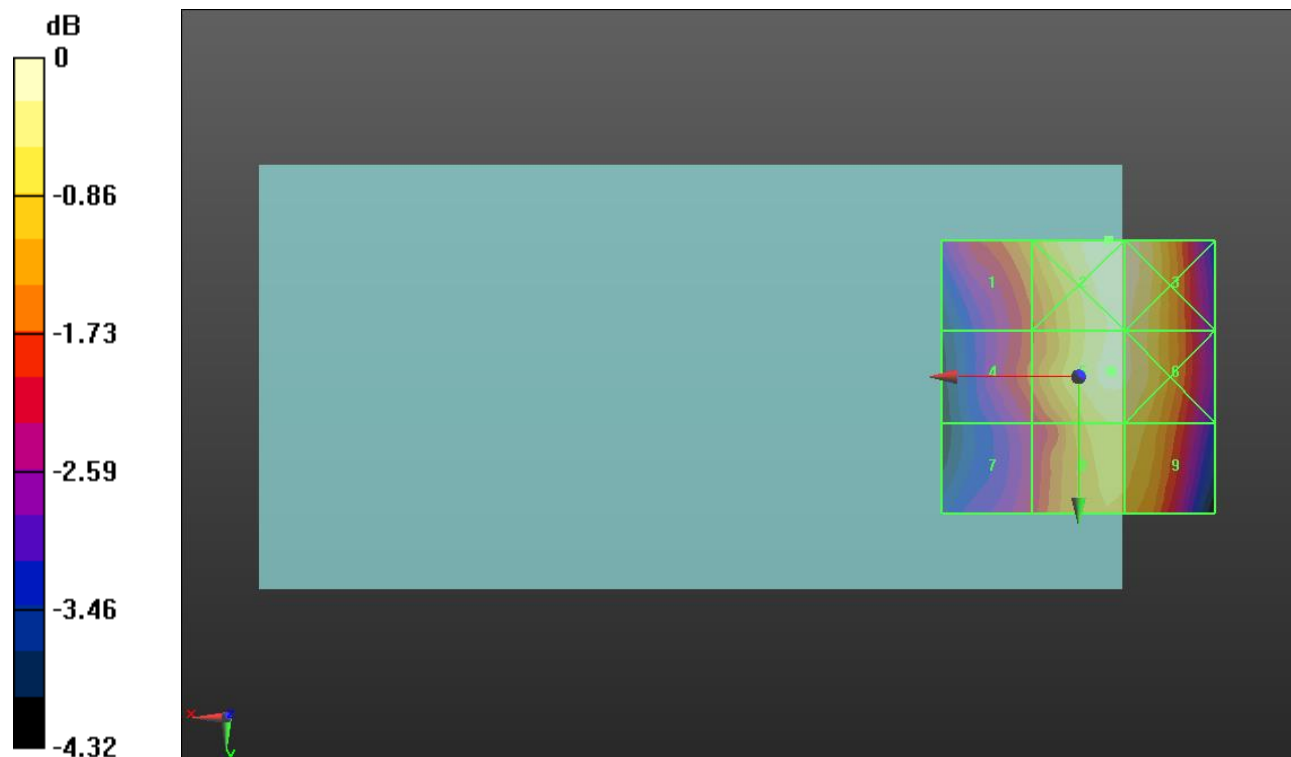
Applied MIF = 3.63 dB

RF audio interference level = 32.73 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 31.81 dBV/m	Grid 2 M4 32.91 dBV/m	Grid 3 M4 32.85 dBV/m
Grid 4 M4 31.32 dBV/m	Grid 5 M4 32.73 dBV/m	Grid 6 M4 32.69 dBV/m
Grid 7 M4 30.76 dBV/m	Grid 8 M4 32.35 dBV/m	Grid 9 M4 32.33 dBV/m



0 dB = 44.21 V/m = 32.91 dBV/m

HAC-RF Emission

Communication System: UID 10021 - DAC, GSM-FDD (TDMA, GMSK); Frequency: 1850.2 MHz; Duty Cycle: 1:8.6896

Phantom section: RF Section

DASY5 Configuration:

- Probe: EF3DV3 - SN4041; ConvF(1, 1, 1); Calibrated: 3/22/2019;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1352; Calibrated: 11/6/2018
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.8 (8);SEMCAD X Version 14.6.10 (7331)

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 = 16.45 V/m; Power Drift = 0.07 dB

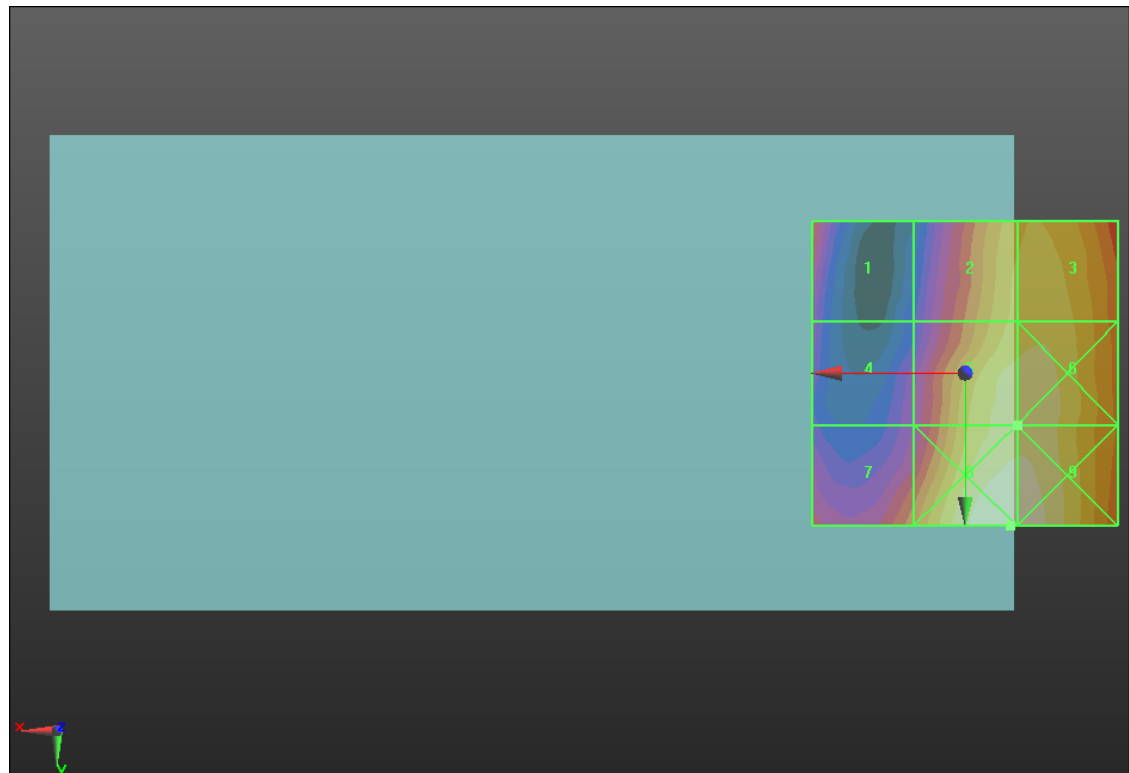
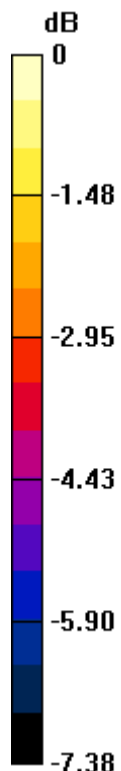
Applied MIF = 3.63 dB

RF audio interference level = 27.10 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 24.61 dBV/m	Grid 2 M4 26.44 dBV/m	Grid 3 M4 26.63 dBV/m
Grid 4 M4 23.39 dBV/m	Grid 5 M4 27.1 dBV/m	Grid 6 M4 27.12 dBV/m
Grid 7 M4 25.16 dBV/m	Grid 8 M4 27.74 dBV/m	Grid 9 M4 27.73 dBV/m



0 dB = 24.39 V/m = 27.74 dBV/m

HAC-RF Emission

Communication System: UID 10021 - DAC, GSM-FDD (TDMA, GMSK); Frequency: 1880 MHz; Duty Cycle: 1:8.6896

Phantom section: RF Section

DASY5 Configuration:

- Probe: EF3DV3 - SN4041; ConvF(1, 1, 1); Calibrated: 3/22/2019;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1352; Calibrated: 11/6/2018
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

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 = 15.46 V/m; Power Drift = -0.13 dB

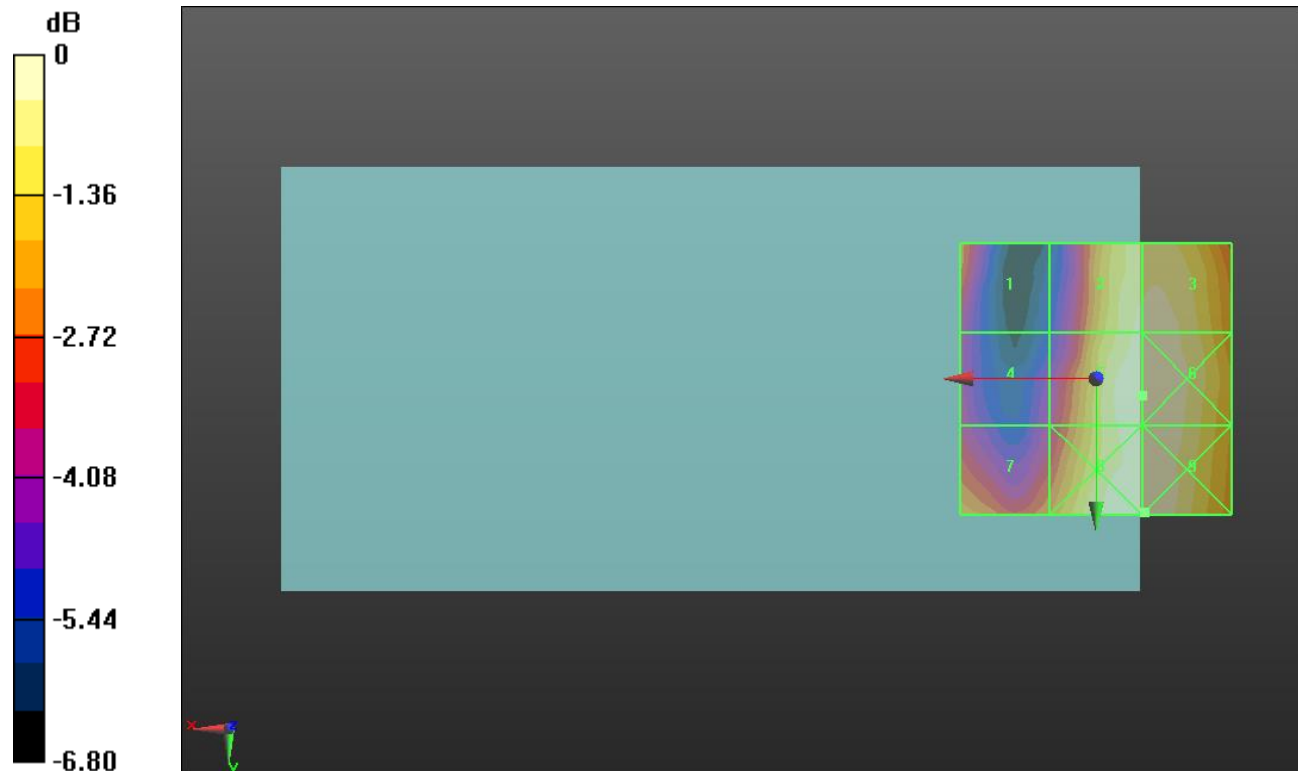
Applied MIF = 3.63 dB

RF audio interference level = 26.06 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 23.78 dBV/m	Grid 2 M4 25.72 dBV/m	Grid 3 M4 25.8 dBV/m
Grid 4 M4 22.49 dBV/m	Grid 5 M4 26.06 dBV/m	Grid 6 M4 26.07 dBV/m
Grid 7 M4 24.15 dBV/m	Grid 8 M4 26.07 dBV/m	Grid 9 M4 26.07 dBV/m



0 dB = 20.12 V/m = 26.07 dBV/m

HAC-RF Emission

Communication System: UID 10021 - DAC, GSM-FDD (TDMA, GMSK); Frequency: 1909.8 MHz; Duty Cycle: 1:8.6896

Phantom section: RF Section

DASY5 Configuration:

- Probe: EF3DV3 - SN4041; ConvF(1, 1, 1); Calibrated: 3/22/2019;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1352; Calibrated: 11/6/2018
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

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 = 15.31 V/m; Power Drift = 0.32 dB

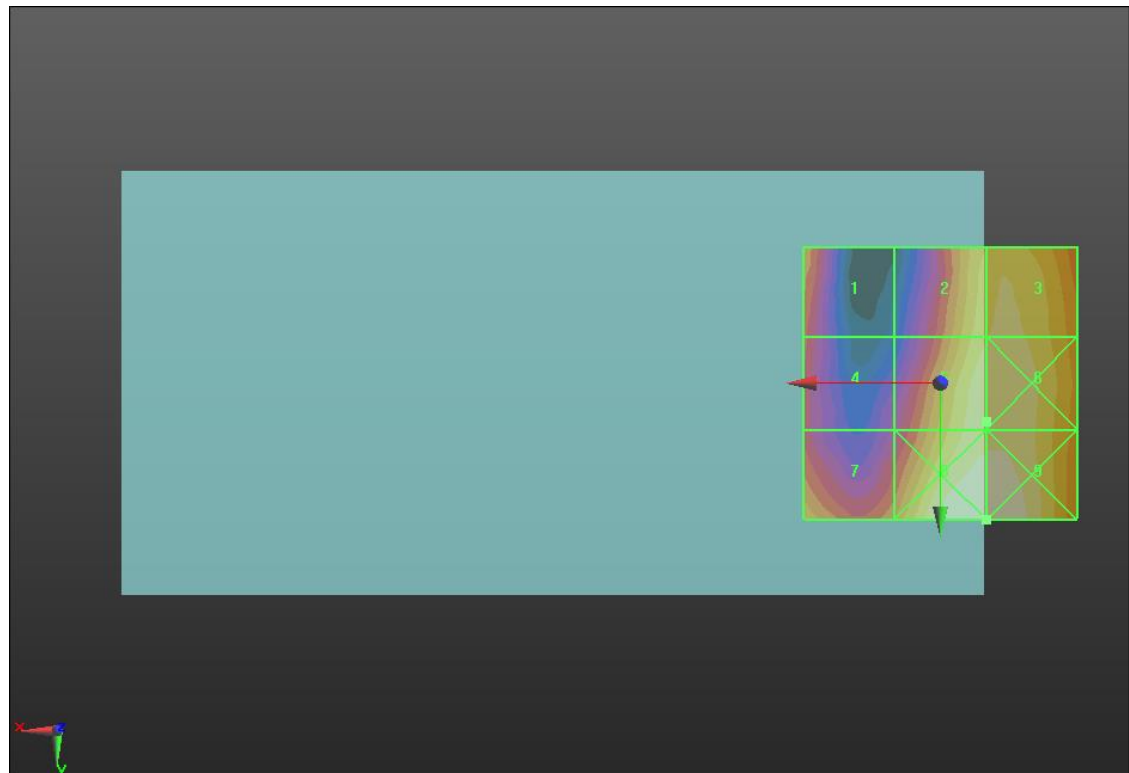
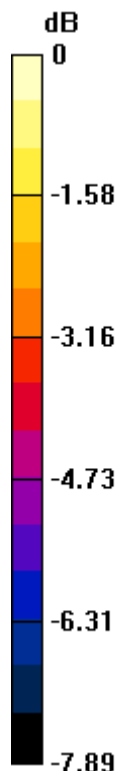
Applied MIF = 3.63 dB

RF audio interference level = 26.51 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 24.61 dBV/m	Grid 2 M4 26.12 dBV/m	Grid 3 M4 26.34 dBV/m
Grid 4 M4 23.7 dBV/m	Grid 5 M4 26.51 dBV/m	Grid 6 M4 26.6 dBV/m
Grid 7 M4 25.07 dBV/m	Grid 8 M4 27.19 dBV/m	Grid 9 M4 27.19 dBV/m



0 dB = 22.88 V/m = 27.19 dBV/m

HAC-RF Emission

Communication System: UID 10295 - AAB, CDMA2000, RC1, SO3, 1/8th Rate 25 fr.; Frequency: 824.7 MHz; Duty Cycle: 1:17.7419

Phantom section: RF Section

DASY5 Configuration:

- Probe: EF3DV3 - SN4041; ConvF(1, 1, 1); Calibrated: 3/22/2019;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1352; Calibrated: 11/6/2018
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.8 (8);SEMCAD X Version 14.6.10 (7331)

CDMA BC0 E-Field measurement/RC1_SO3_Ch 1013/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 = 19.67 V/m; Power Drift = -0.09 dB

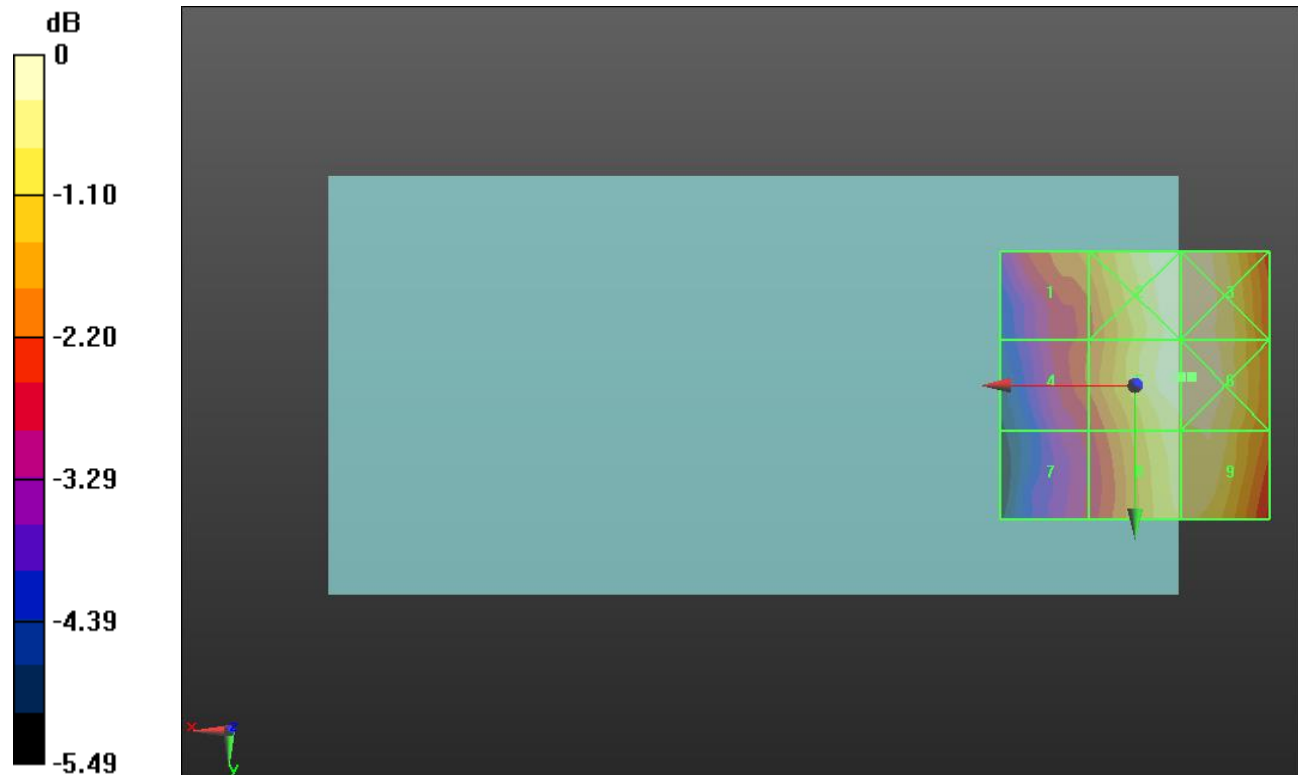
Applied MIF = 3.26 dB

RF audio interference level = 27.02 dBV/m

Emission category: **M4**

MIF scaled E-field

Grid 1 M4 25.43 dBV/m	Grid 2 M4 27.05 dBV/m	Grid 3 M4 27.05 dBV/m
Grid 4 M4 24.97 dBV/m	Grid 5 M4 27.02 dBV/m	Grid 6 M4 27.05 dBV/m
Grid 7 M4 24.41 dBV/m	Grid 8 M4 26.56 dBV/m	Grid 9 M4 26.71 dBV/m



0 dB = 22.52 V/m = 27.05 dBV/m

HAC-RF Emission

Communication System: UID 10295 - AAB, CDMA2000, RC1, SO3, 1/8th Rate 25 fr.; Frequency: 836.52 MHz; Duty Cycle: 1:17.7419

Phantom section: RF Section

DASY5 Configuration:

- Probe: EF3DV3 - SN4041; ConvF(1, 1, 1) @ 836.52 MHz; Calibrated: 3/22/2019
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1352; Calibrated: 11/6/2018
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7450)

CDMA BC0 E-Field measurement/RC1_SO3_Ch 384/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 = 19.39 V/m; Power Drift = 0.36 dB

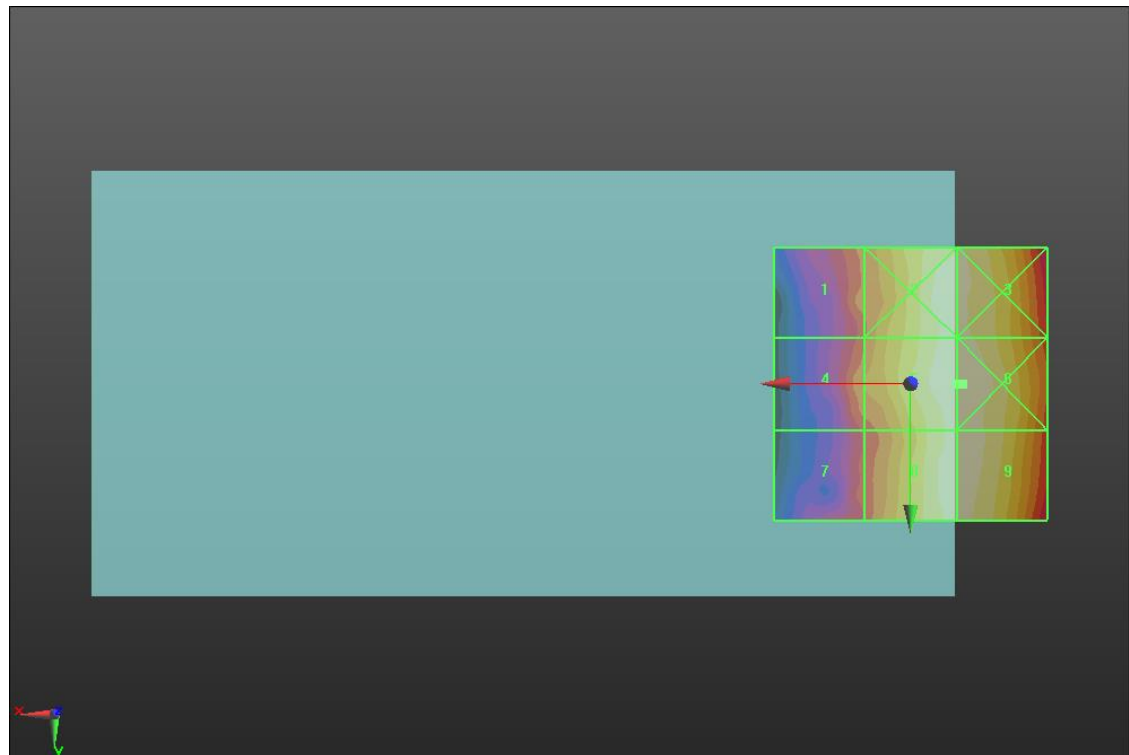
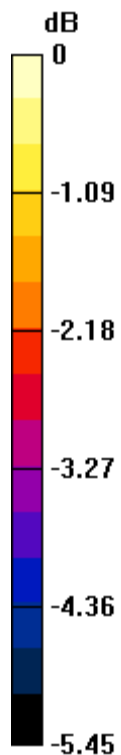
Applied MIF = 3.26 dB

RF audio interference level = 27.31 dBV/m

Emission category: **M4**

MIF scaled E-field

Grid 1 M4 25.35 dBV/m	Grid 2 M4 27.16 dBV/m	Grid 3 M4 27.08 dBV/m
Grid 4 M4 25.55 dBV/m	Grid 5 M4 27.31 dBV/m	Grid 6 M4 27.33 dBV/m
Grid 7 M4 24.99 dBV/m	Grid 8 M4 27.11 dBV/m	Grid 9 M4 27.11 dBV/m



0 dB = 23.25 V/m = 27.33 dBV/m

HAC-RF Emission

Communication System: UID 10295 - AAB, CDMA2000, RC1, SO3, 1/8th Rate 25 fr.; Frequency: 848.31 MHz; Duty Cycle: 1:17.7419

Phantom section: RF Section

DASY5 Configuration:

- Probe: EF3DV3 - SN4041; ConvF(1, 1, 1); Calibrated: 3/22/2019;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1352; Calibrated: 11/6/2018
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

CDMA BC0 E-Field measurement/RC1_SO3_Ch 777/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 = 18.41 V/m; Power Drift = 0.24 dB

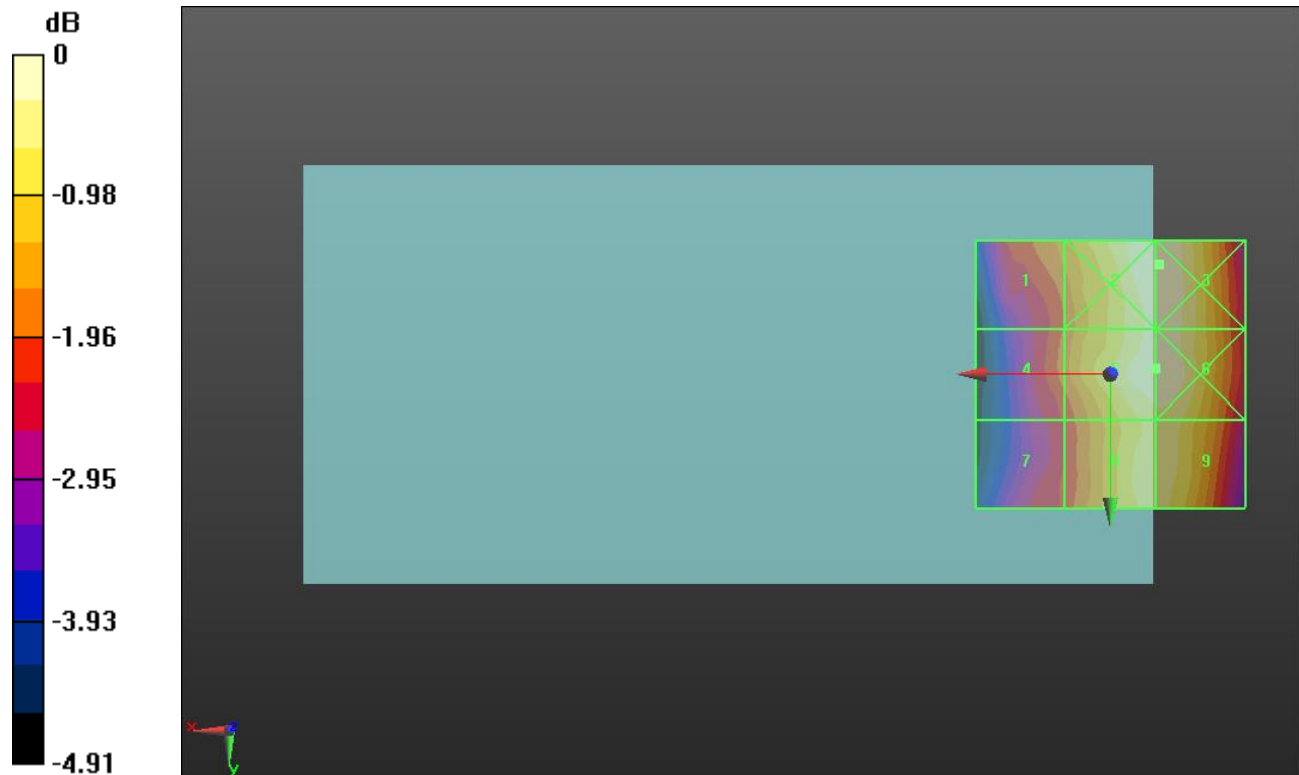
Applied MIF = 3.26 dB

RF audio interference level = 26.72 dBV/m

Emission category: **M4**

MIF scaled E-field

Grid 1 M4 25.3 dBV/m	Grid 2 M4 26.75 dBV/m	Grid 3 M4 26.76 dBV/m
Grid 4 M4 25 dBV/m	Grid 5 M4 26.72 dBV/m	Grid 6 M4 26.72 dBV/m
Grid 7 M4 24.57 dBV/m	Grid 8 M4 26.33 dBV/m	Grid 9 M4 26.35 dBV/m



0 dB = 21.77 V/m = 26.76 dBV/m

HAC-RF Emission

Communication System: UID 10295 - AAB, CDMA2000, RC1, SO3, 1/8th Rate 25 fr.; Frequency: 1851.25 MHz; Duty Cycle: 1:17.7419

Phantom section: RF Section

DASY5 Configuration:

- Probe: EF3DV3 - SN4041; ConvF(1, 1, 1); Calibrated: 3/22/2019;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1352; Calibrated: 11/6/2018
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.8 (8);SEMCAD X Version 14.6.10 (7331)

CDMA BC1 E-Field measurement/RC1_SO3_Ch 25/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 = 8.753 V/m; Power Drift = 0.91 dB

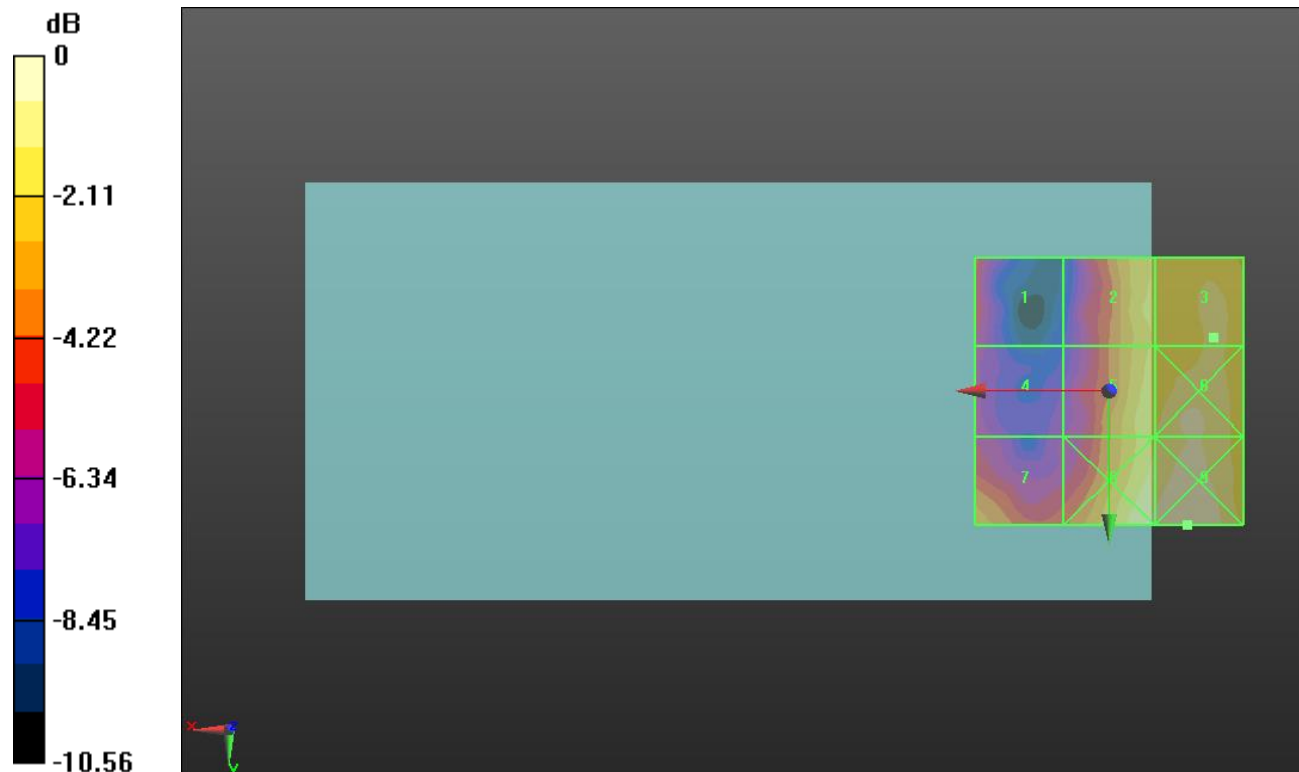
Applied MIF = 3.26 dB

RF audio interference level = 21.90 dBV/m

Emission category: **M4**

MIF scaled E-field

Grid 1 M4 18.72 dBV/m	Grid 2 M4 21.15 dBV/m	Grid 3 M4 21.9 dBV/m
Grid 4 M4 17.45 dBV/m	Grid 5 M4 21.65 dBV/m	Grid 6 M4 22.59 dBV/m
Grid 7 M4 20.05 dBV/m	Grid 8 M4 22.53 dBV/m	Grid 9 M4 23.09 dBV/m



0 dB = 14.27 V/m = 23.09 dBV/m

HAC-RF Emission

Communication System: UID 10295 - AAB, CDMA2000, RC1, SO3, 1/8th Rate 25 fr.; Frequency: 1880 MHz; Duty Cycle: 1:17.7419

Phantom section: RF Section

DASY5 Configuration:

- Probe: EF3DV3 - SN4041; ConvF(1, 1, 1); Calibrated: 3/22/2019;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1352; Calibrated: 11/6/2018
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.8 (8);SEMCAD X Version 14.6.10 (7331)

CDMA BC1 E-Field measurement/RC1_SO3_Ch 600/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 = 9.062 V/m; Power Drift = -0.25 dB

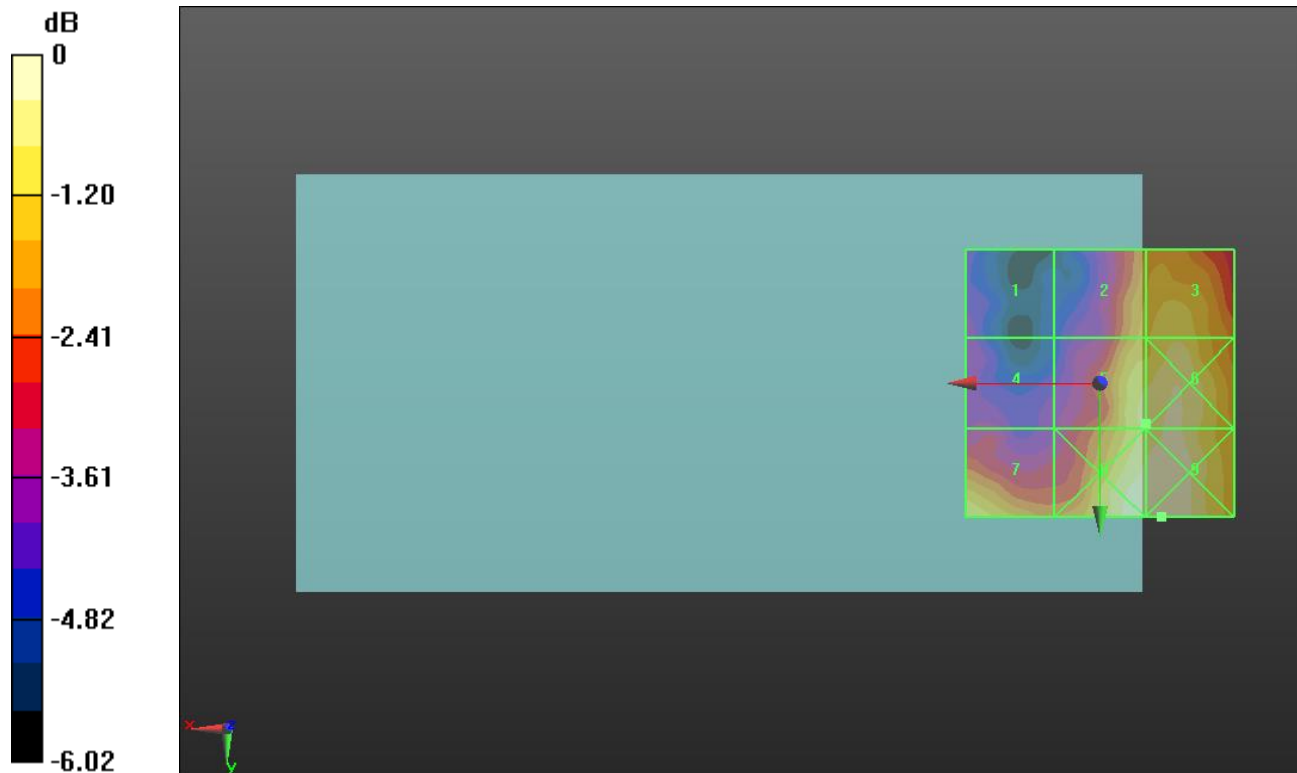
Applied MIF = 3.26 dB

RF audio interference level = 21.43 dBV/m

Emission category: **M4**

MIF scaled E-field

Grid 1 M4 18.42 dBV/m	Grid 2 M4 20.76 dBV/m	Grid 3 M4 21.23 dBV/m
Grid 4 M4 18.69 dBV/m	Grid 5 M4 21.43 dBV/m	Grid 6 M4 21.73 dBV/m
Grid 7 M4 21.38 dBV/m	Grid 8 M4 22.04 dBV/m	Grid 9 M4 22.08 dBV/m



0 dB = 12.71 V/m = 22.08 dBV/m

HAC-RF Emission

Communication System: UID 10295 - AAB, CDMA2000, RC1, SO3, 1/8th Rate 25 fr.; Frequency: 1908.75 MHz; Duty Cycle: 1:17.7419

Phantom section: RF Section

DASY5 Configuration:

- Probe: EF3DV3 - SN4041; ConvF(1, 1, 1); Calibrated: 3/22/2019;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1352; Calibrated: 11/6/2018
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.8 (8);SEMCAD X Version 14.6.10 (7331)

CDMA BC1 E-Field measurement/RC1_SO3_Ch 1175/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 = 9.023 V/m; Power Drift = -1.93 dB

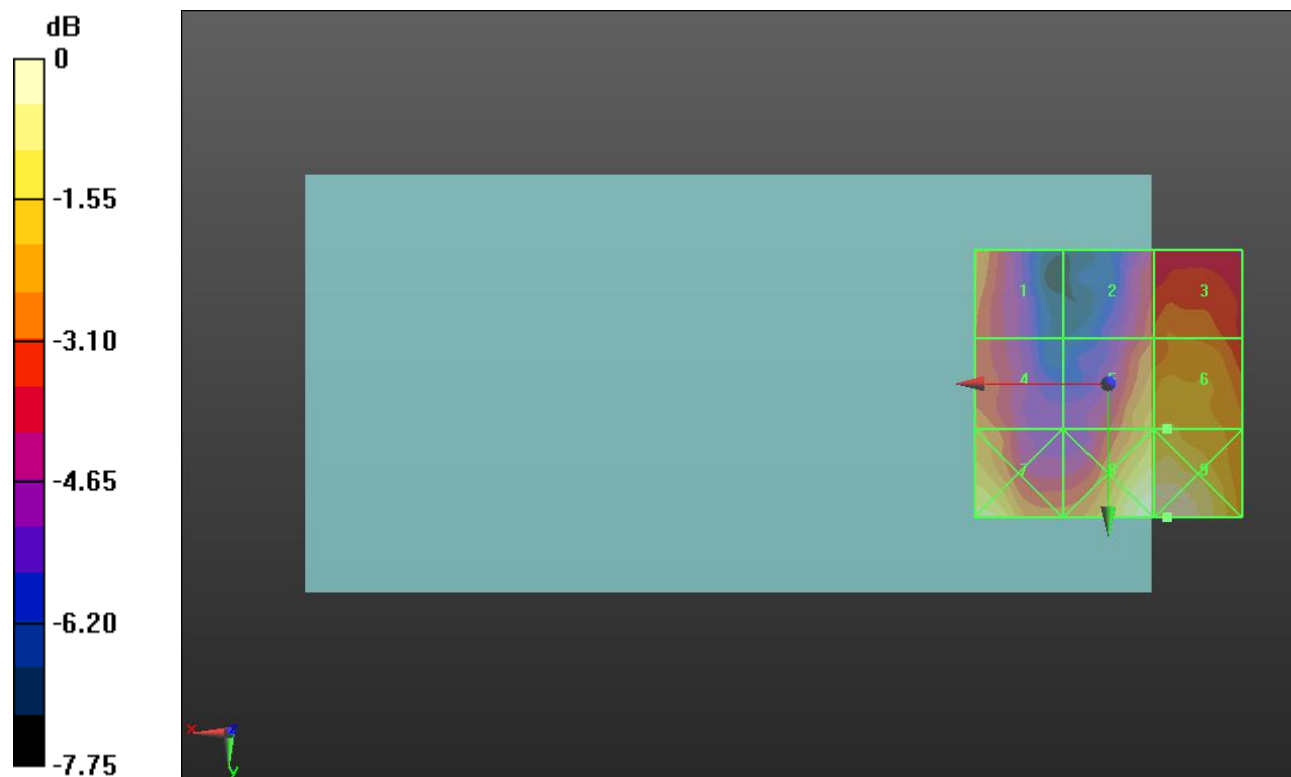
Applied MIF = 3.26 dB

RF audio interference level = 21.41 dBV/m

Emission category: **M4**

MIF scaled E-field

Grid 1 M4 20.31 dBV/m	Grid 2 M4 19.79 dBV/m	Grid 3 M4 20.21 dBV/m
Grid 4 M4 20.32 dBV/m	Grid 5 M4 21.16 dBV/m	Grid 6 M4 21.41 dBV/m
Grid 7 M4 21.97 dBV/m	Grid 8 M4 22.67 dBV/m	Grid 9 M4 22.76 dBV/m



0 dB = 13.73 V/m = 22.75 dBV/m

HAC-RF Emission

Communication System: UID 10295 - AAB, CDMA2000, RC1, SO3, 1/8th Rate 25 fr.; Frequency: 817.3 MHz; Duty Cycle: 1:17.7419

Phantom section: RF Section

DASY5 Configuration:

- Probe: EF3DV3 - SN4041; ConvF(1, 1, 1) @ 817.3 MHz; Calibrated: 3/22/2019
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1352; Calibrated: 11/6/2018
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7450)

CDMA BC10 E-Field measurement/RC1_SO3_ch 450/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 = 21.35 V/m; Power Drift = 0.02 dB

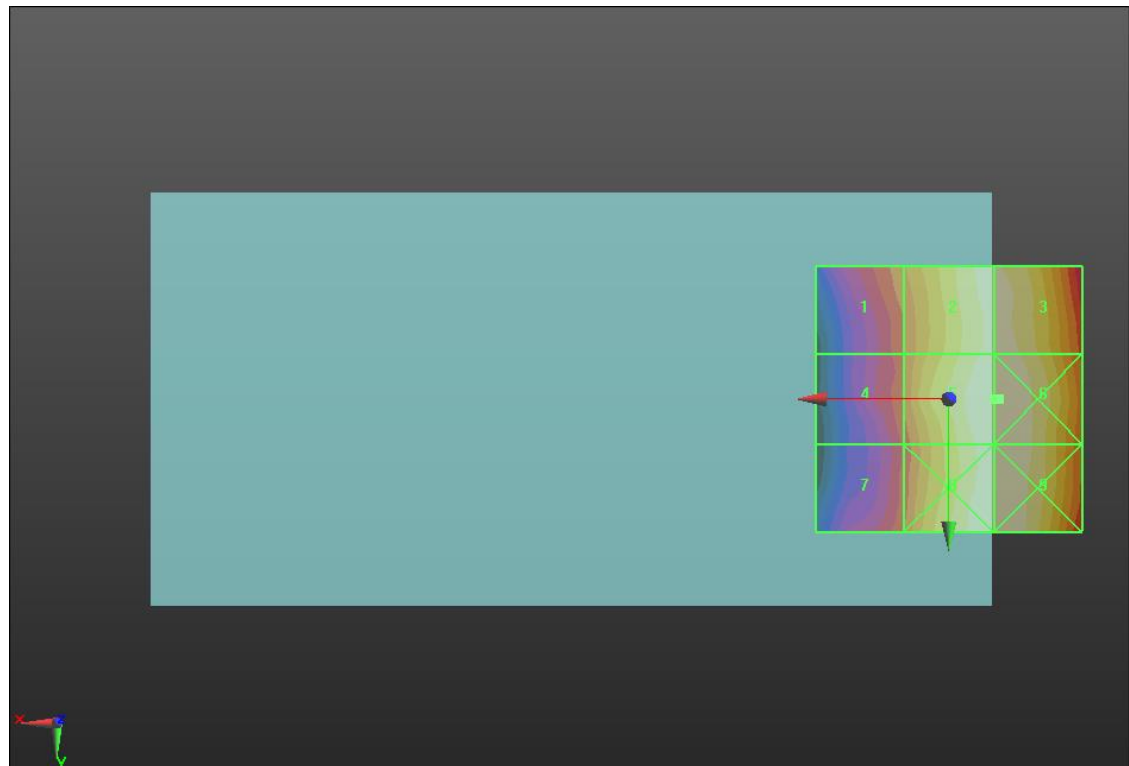
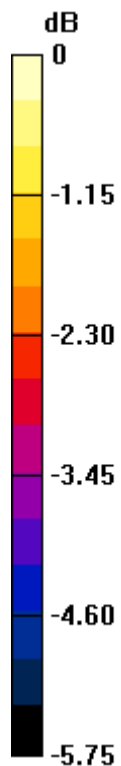
Applied MIF = 3.26 dB

RF audio interference level = 27.77 dBV/m

Emission category: **M4**

MIF scaled E-field

Grid 1 M4 25.83 dBV/m	Grid 2 M4 27.55 dBV/m	Grid 3 M4 27.57 dBV/m
Grid 4 M4 25.55 dBV/m	Grid 5 M4 27.77 dBV/m	Grid 6 M4 27.79 dBV/m
Grid 7 M4 25.52 dBV/m	Grid 8 M4 27.74 dBV/m	Grid 9 M4 27.77 dBV/m



0 dB = 24.51 V/m = 27.79 dBV/m

HAC-RF Emission

Communication System: UID 10295 - AAB, CDMA2000, RC1, SO3, 1/8th Rate 25 fr.; Frequency: 820 MHz; Duty Cycle: 1:17.7419

Phantom section: RF Section

DASY5 Configuration:

- Probe: EF3DV3 - SN4041; ConvF(1, 1, 1) @ 820 MHz; Calibrated: 3/22/2019
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1352; Calibrated: 11/6/2018
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7450)

CDMA BC10 E-Field measurement/RC1_SO3_ch 560/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 = 20.34 V/m; Power Drift = -0.18 dB

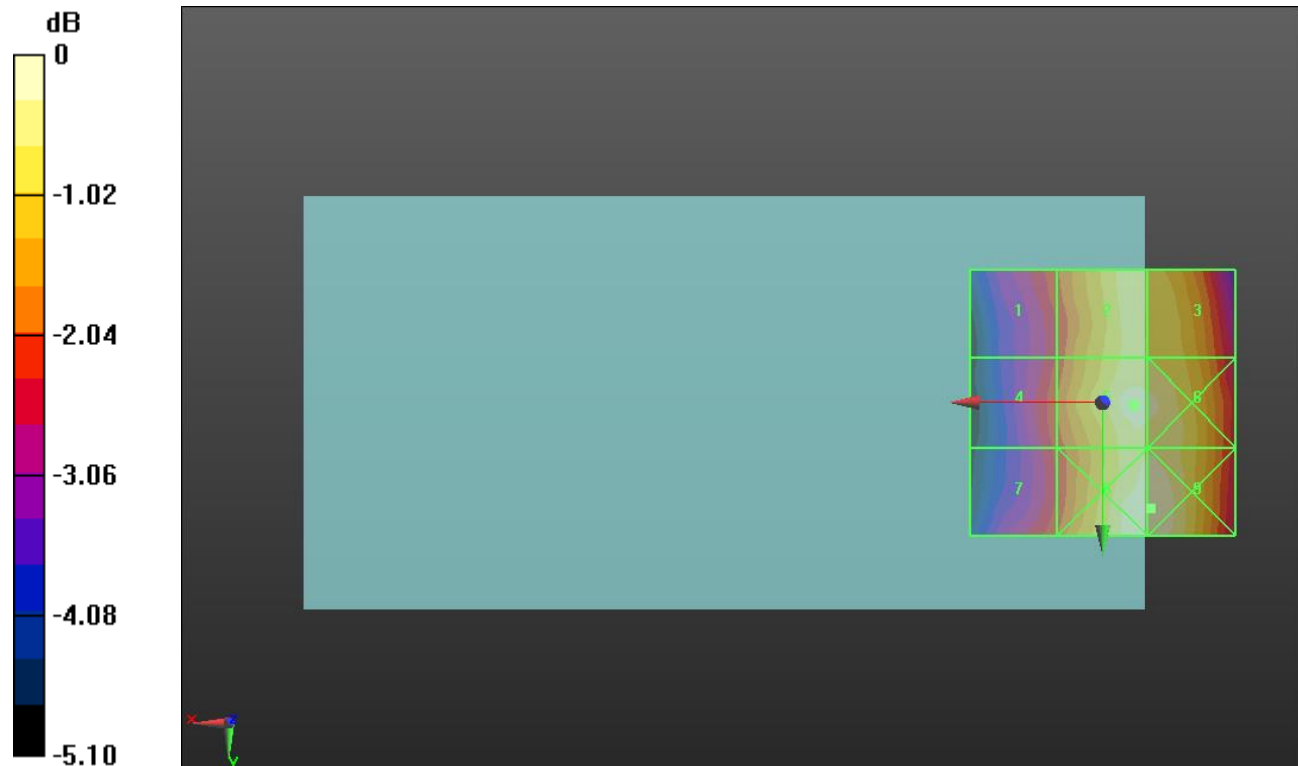
Applied MIF = 3.26 dB

RF audio interference level = 27.28 dBV/m

Emission category: **M4**

MIF scaled E-field

Grid 1 M4 25.37 dBV/m	Grid 2 M4 26.93 dBV/m	Grid 3 M4 26.78 dBV/m
Grid 4 M4 25.4 dBV/m	Grid 5 M4 27.28 dBV/m	Grid 6 M4 27.19 dBV/m
Grid 7 M4 25.44 dBV/m	Grid 8 M4 27.43 dBV/m	Grid 9 M4 27.43 dBV/m



0 dB = 23.52 V/m = 27.43 dBV/m

HAC-RF Emission

Communication System: UID 10295 - AAB, CDMA2000, RC1, SO3, 1/8th Rate 25 fr.; Frequency: 822.75 MHz; Duty Cycle: 1:17.7419

Phantom section: RF Section

DASY5 Configuration:

- Probe: EF3DV3 - SN4041; ConvF(1, 1, 1) @ 822.75 MHz; Calibrated: 3/22/2019
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1352; Calibrated: 11/6/2018
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7450)

CDMA BC10 E-Field measurement/RC1_SO3_ch 670/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 = 18.68 V/m; Power Drift = -0.45 dB

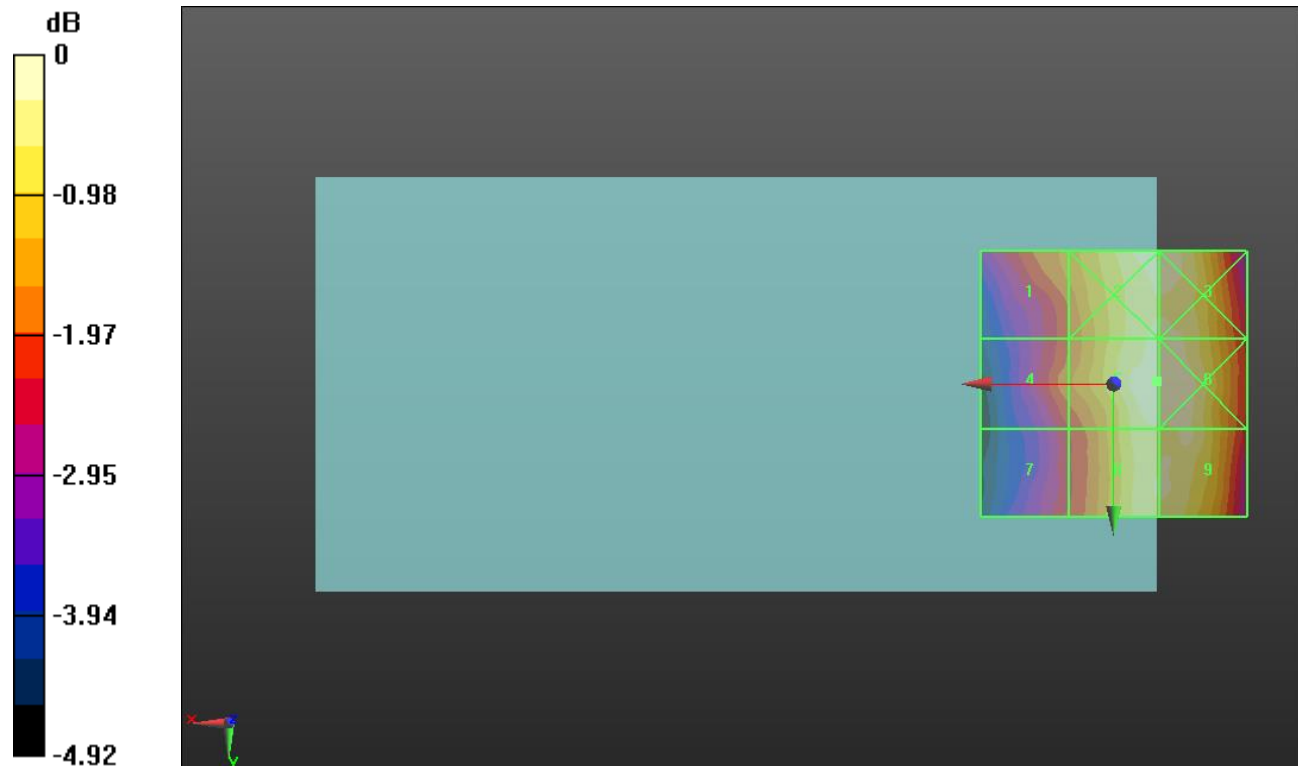
Applied MIF = 3.26 dB

RF audio interference level = 26.37 dBV/m

Emission category: **M4**

MIF scaled E-field

Grid 1 M4 24.89 dBV/m	Grid 2 M4 26.27 dBV/m	Grid 3 M4 26.27 dBV/m
Grid 4 M4 24.69 dBV/m	Grid 5 M4 26.37 dBV/m	Grid 6 M4 26.37 dBV/m
Grid 7 M4 24.19 dBV/m	Grid 8 M4 26.07 dBV/m	Grid 9 M4 26.13 dBV/m



0 dB = 20.83 V/m = 26.37 dBV/m

HAC-RF Emission

Communication System: UID 10173 - CAC, 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: EF3DV3 - SN4041; ConvF(1, 1, 1); Calibrated: 3/22/2019;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1352; Calibrated: 11/6/2018
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.8 (8);SEMCAD X Version 14.6.10 (7331)

LTE Band 41 E-Field measurement/LTE TDD_16QAM_RB 1/49_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 = 13.34 V/m; Power Drift = -0.31 dB

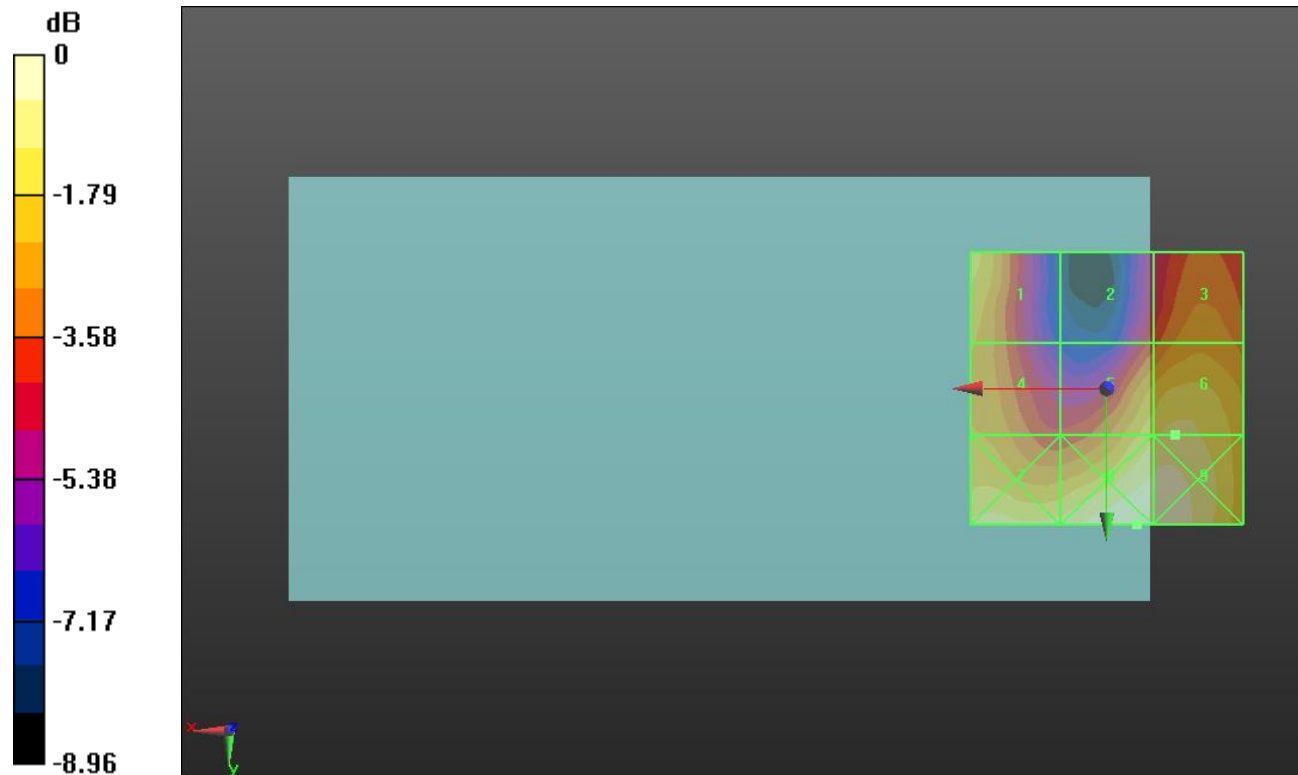
Applied MIF = -1.44 dB

RF audio interference level = 22.55 dBV/m

Emission category: **M4**

MIF scaled E-field

Grid 1 M4 22.08 dBV/m	Grid 2 M4 19.72 dBV/m	Grid 3 M4 21.04 dBV/m
Grid 4 M4 21.26 dBV/m	Grid 5 M4 22.27 dBV/m	Grid 6 M4 22.55 dBV/m
Grid 7 M4 22.76 dBV/m	Grid 8 M4 23.57 dBV/m	Grid 9 M4 23.49 dBV/m



0 dB = 15.09 V/m = 23.57 dBV/m

HAC-RF Emission

Communication System: UID 10173 - CAC, 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: EF3DV3 - SN4041; ConvF(1, 1, 1); Calibrated: 3/22/2019;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1352; Calibrated: 11/6/2018
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.8 (8);SEMCAD X Version 14.6.10 (7331)

LTE Band 41 E-Field measurement/LTE TDD_16QAM_RB 1/49_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 = 14.57 V/m; Power Drift = -9.91 dB

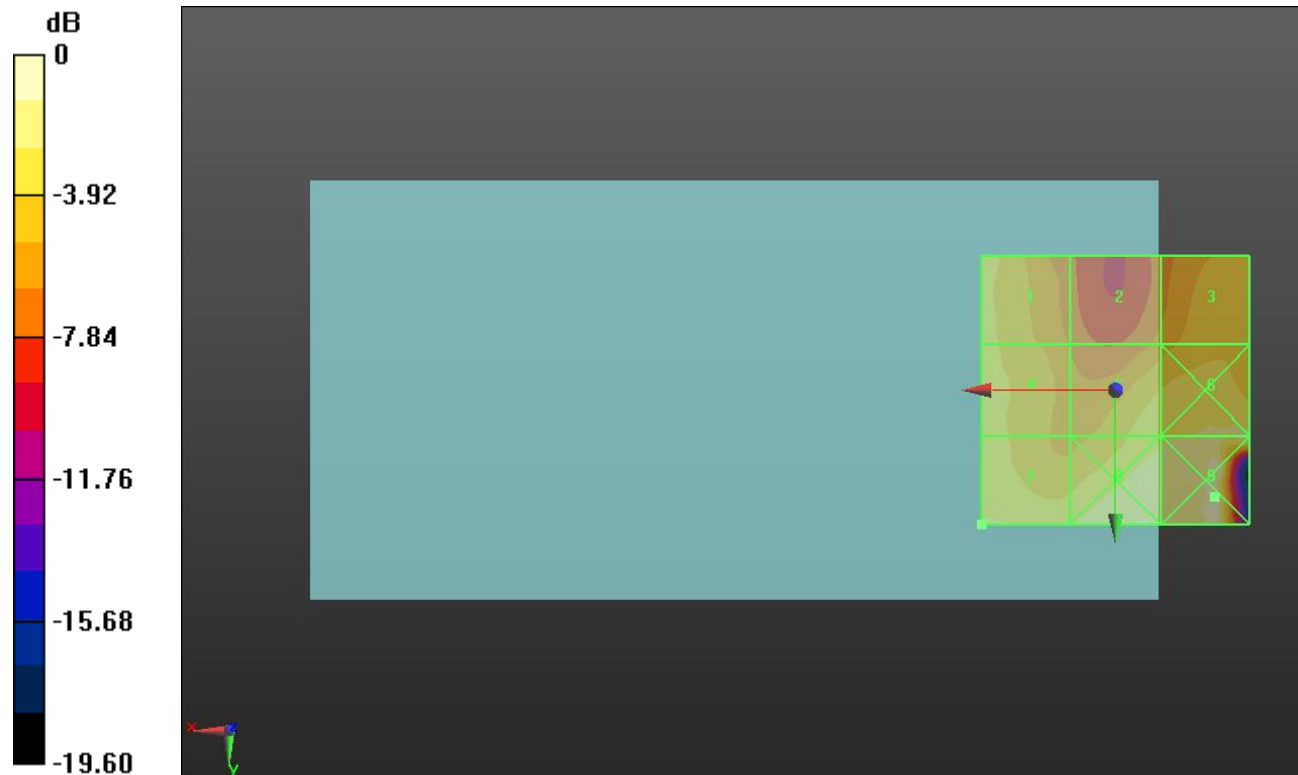
Applied MIF = -1.44 dB

RF audio interference level = 22.56 dBV/m

Emission category: **M4**

MIF scaled E-field

Grid 1 M4 21.52 dBV/m	Grid 2 M4 19 dBV/m	Grid 3 M4 20.78 dBV/m
Grid 4 M4 21.36 dBV/m	Grid 5 M4 22.08 dBV/m	Grid 6 M4 23.39 dBV/m
Grid 7 M4 22.56 dBV/m	Grid 8 M4 23.73 dBV/m	Grid 9 M4 24.89 dBV/m



0 dB = 17.56 V/m = 24.89 dBV/m

HAC-RF Emission

Communication System: UID 10173 - CAC, 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: EF3DV3 - SN4041; ConvF(1, 1, 1); Calibrated: 3/22/2019;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1352; Calibrated: 11/6/2018
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.8 (8);SEMCAD X Version 14.6.10 (7331)

LTE Band 41 E-Field measurement/LTE TDD_16QAM_RB 1/49_ch 40620/Hearing Aid Compatibility Test (101x101x1):

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 14.21 V/m; Power Drift = 0.35 dB

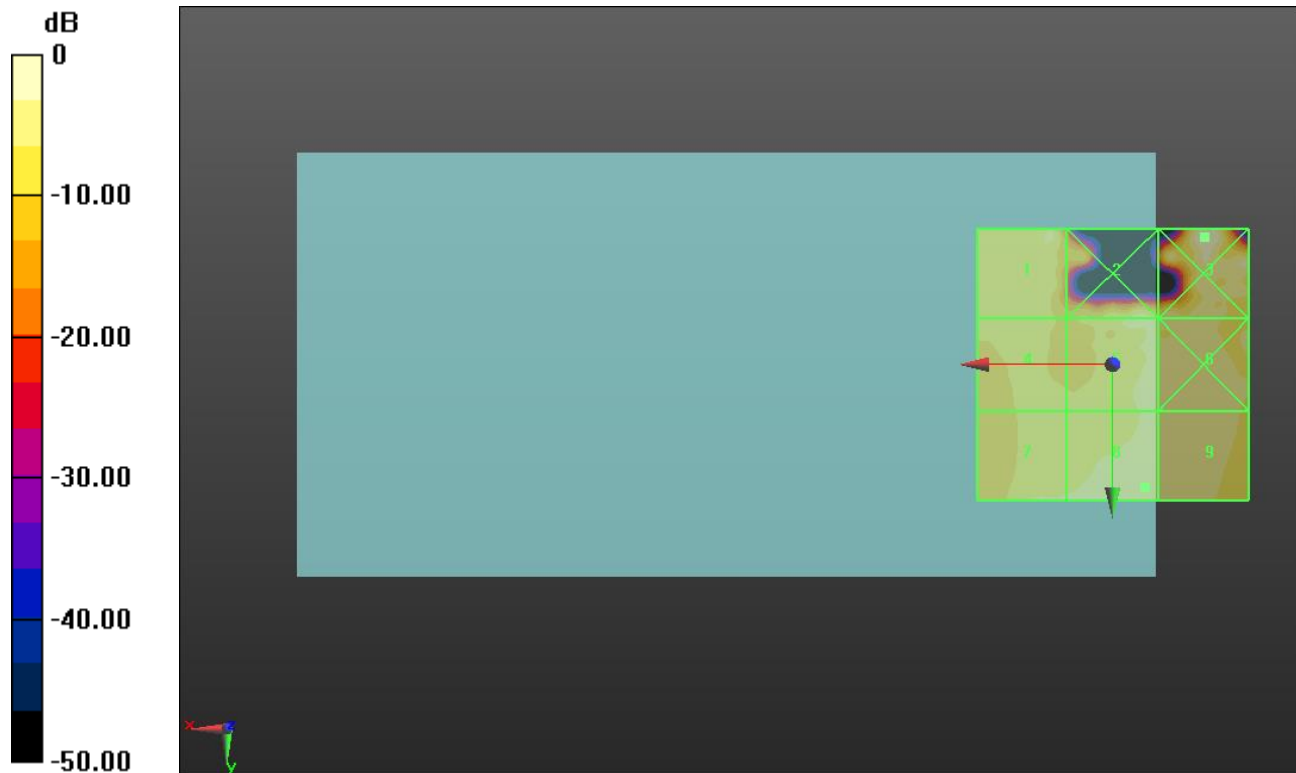
Applied MIF = -1.44 dB

RF audio interference level = 21.92 dBV/m

Emission category: **M4**

MIF scaled E-field

Grid 1 M4 20.22 dBV/m	Grid 2 M4 21.66 dBV/m	Grid 3 M4 26.12 dBV/m
Grid 4 M4 18.99 dBV/m	Grid 5 M4 21.68 dBV/m	Grid 6 M4 21.86 dBV/m
Grid 7 M4 19.84 dBV/m	Grid 8 M4 21.92 dBV/m	Grid 9 M4 21.66 dBV/m



0 dB = 20.23 V/m = 26.12 dBV/m

HAC-RF Emission

Communication System: UID 10173 - CAC, 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: EF3DV3 - SN4041; ConvF(1, 1, 1); Calibrated: 3/22/2019;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1352; Calibrated: 11/6/2018
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.8 (8);SEMCAD X Version 14.6.10 (7331)

LTE Band 41 E-Field measurement/LTE TDD_16QAM_RB 1/49_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 = 18.82 V/m; Power Drift = -0.08 dB

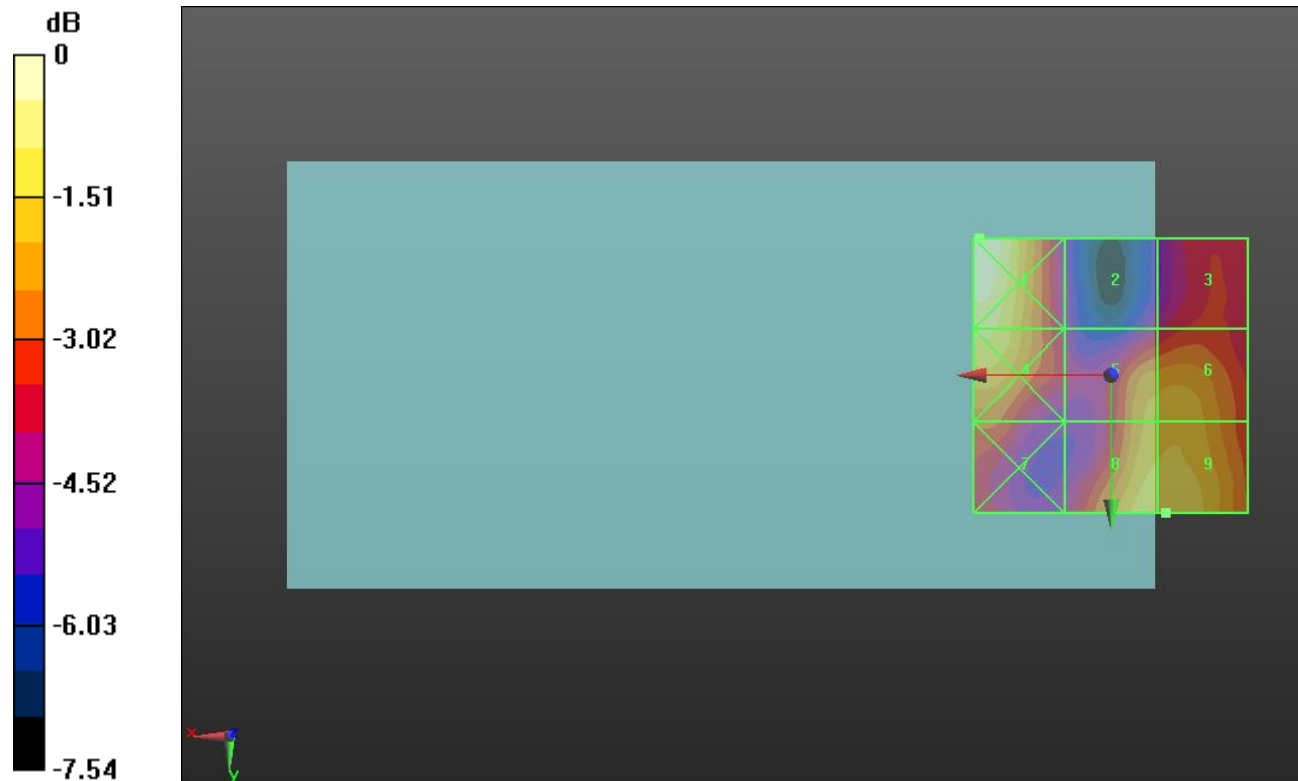
Applied MIF = -1.44 dB

RF audio interference level = 22.16 dBV/m

Emission category: **M4**

MIF scaled E-field

Grid 1 M4 23.16 dBV/m	Grid 2 M4 18.93 dBV/m	Grid 3 M4 19.84 dBV/m
Grid 4 M4 22.29 dBV/m	Grid 5 M4 21.39 dBV/m	Grid 6 M4 21.53 dBV/m
Grid 7 M4 20.32 dBV/m	Grid 8 M4 22.13 dBV/m	Grid 9 M4 22.16 dBV/m



0 dB = 14.39 V/m = 23.16 dBV/m

HAC-RF Emission

Communication System: UID 10173 - CAC, 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: EF3DV3 - SN4041; ConvF(1, 1, 1); Calibrated: 3/22/2019;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1352; Calibrated: 11/6/2018
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

LTE Band 41 E-Field measurement/LTE TDD_16QAM_RB 1/49_ch 41490/Hearing Aid Compatibility Test (101x101x1):

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 17.21 V/m; Power Drift = -0.29 dB

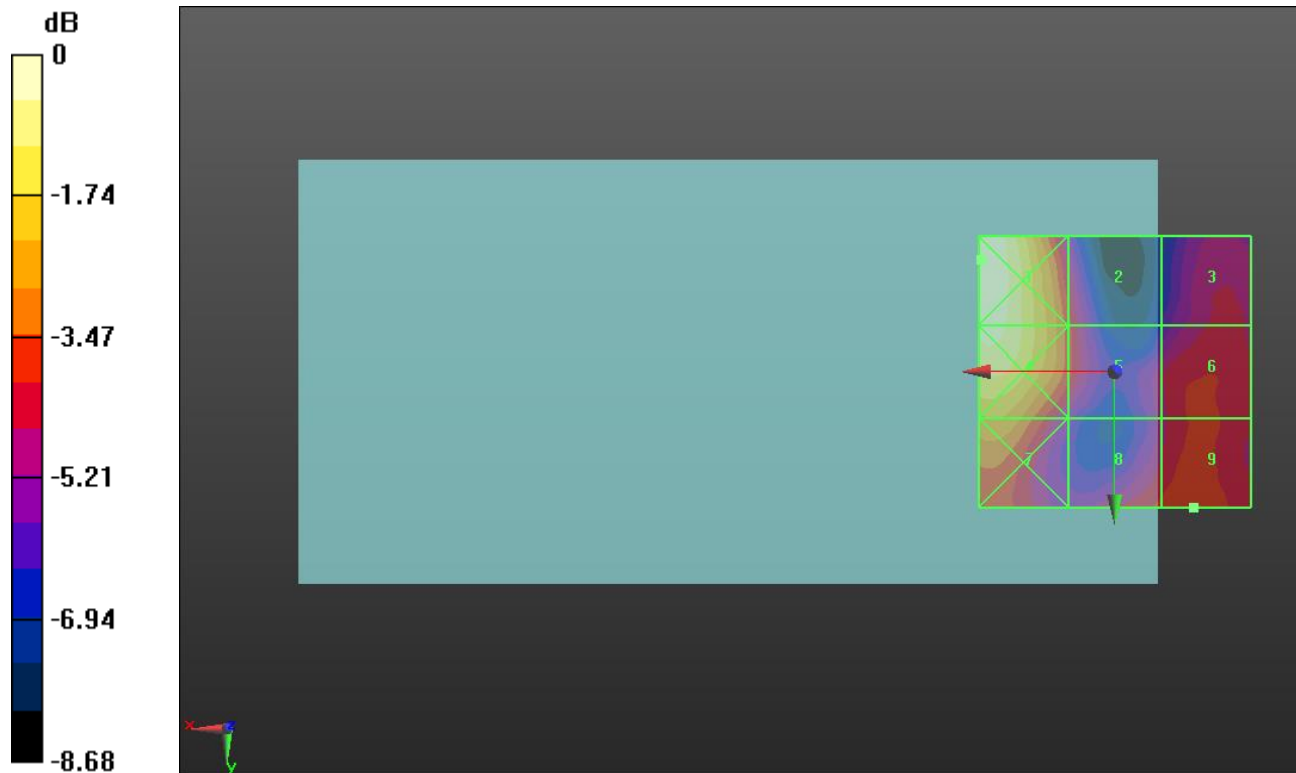
Applied MIF = -1.44 dB

RF audio interference level = 20.24 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 23.66 dBV/m	Grid 2 M4 19.84 dBV/m	Grid 3 M4 19.22 dBV/m
Grid 4 M4 23.26 dBV/m	Grid 5 M4 19.93 dBV/m	Grid 6 M4 19.77 dBV/m
Grid 7 M4 21.38 dBV/m	Grid 8 M4 19.8 dBV/m	Grid 9 M4 20.24 dBV/m



0 dB = 15.23 V/m = 23.65 dBV/m

HAC-RF Emission

Communication System: UID 10173 - CAC, 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: EF3DV3 - SN4041; ConvF(1, 1, 1); Calibrated: 3/22/2019;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1352; Calibrated: 11/6/2018
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.8 (8);SEMCAD X Version 14.6.10 (7331)

LTE Band 41 E-Field measurement 2/LTE TDD_16QAM_RB 1/49_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 = 14.45 V/m; Power Drift = -0.08 dB

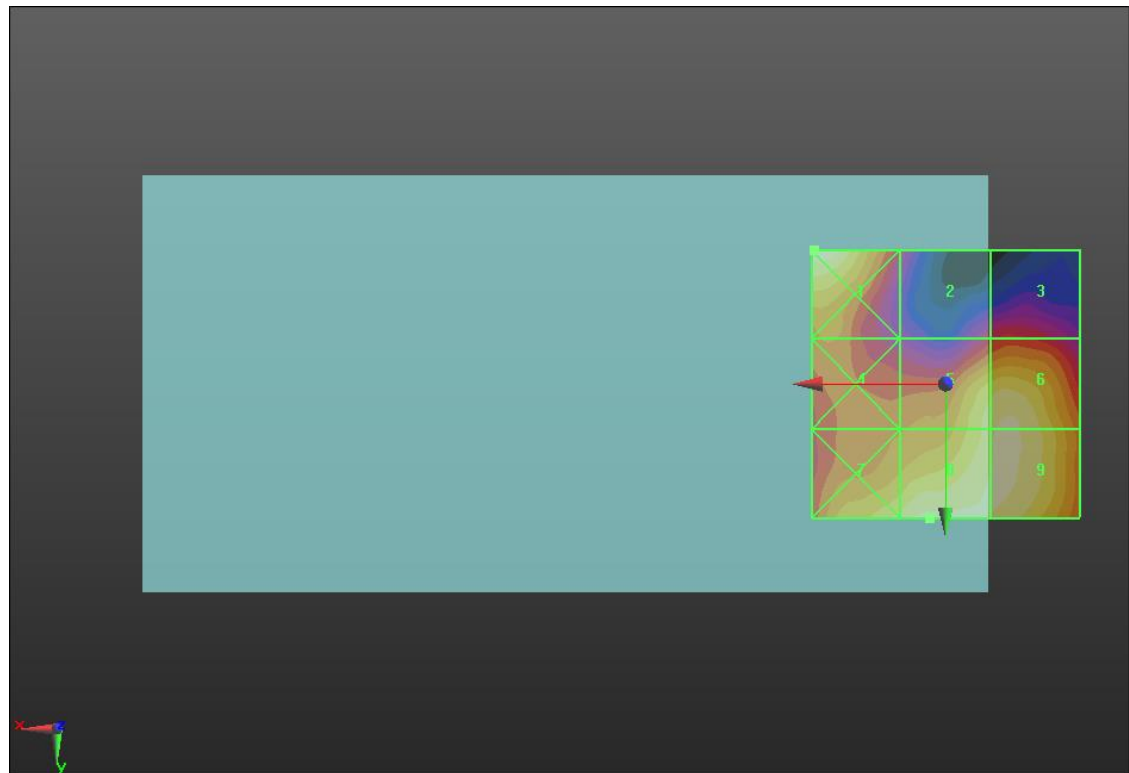
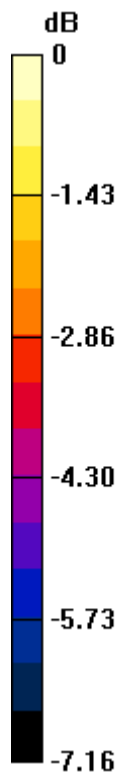
Applied MIF = -1.44 dB

RF audio interference level = 20.13 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 20.45 dBV/m	Grid 2 M4 16.94 dBV/m	Grid 3 M4 17.29 dBV/m
Grid 4 M4 18.12 dBV/m	Grid 5 M4 19.86 dBV/m	Grid 6 M4 20.08 dBV/m
Grid 7 M4 19.68 dBV/m	Grid 8 M4 20.13 dBV/m	Grid 9 M4 20.13 dBV/m



0 dB = 10.53 V/m = 20.45 dBV/m

HAC-RF Emission

Communication System: UID 10173 - CAC, 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: EF3DV3 - SN4041; ConvF(1, 1, 1); Calibrated: 3/22/2019;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1352; Calibrated: 11/6/2018
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

LTE Band 41 E-Field measurement 2/LTE TDD_16QAM_RB 1/49_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 = 13.46 V/m; Power Drift = -0.35 dB

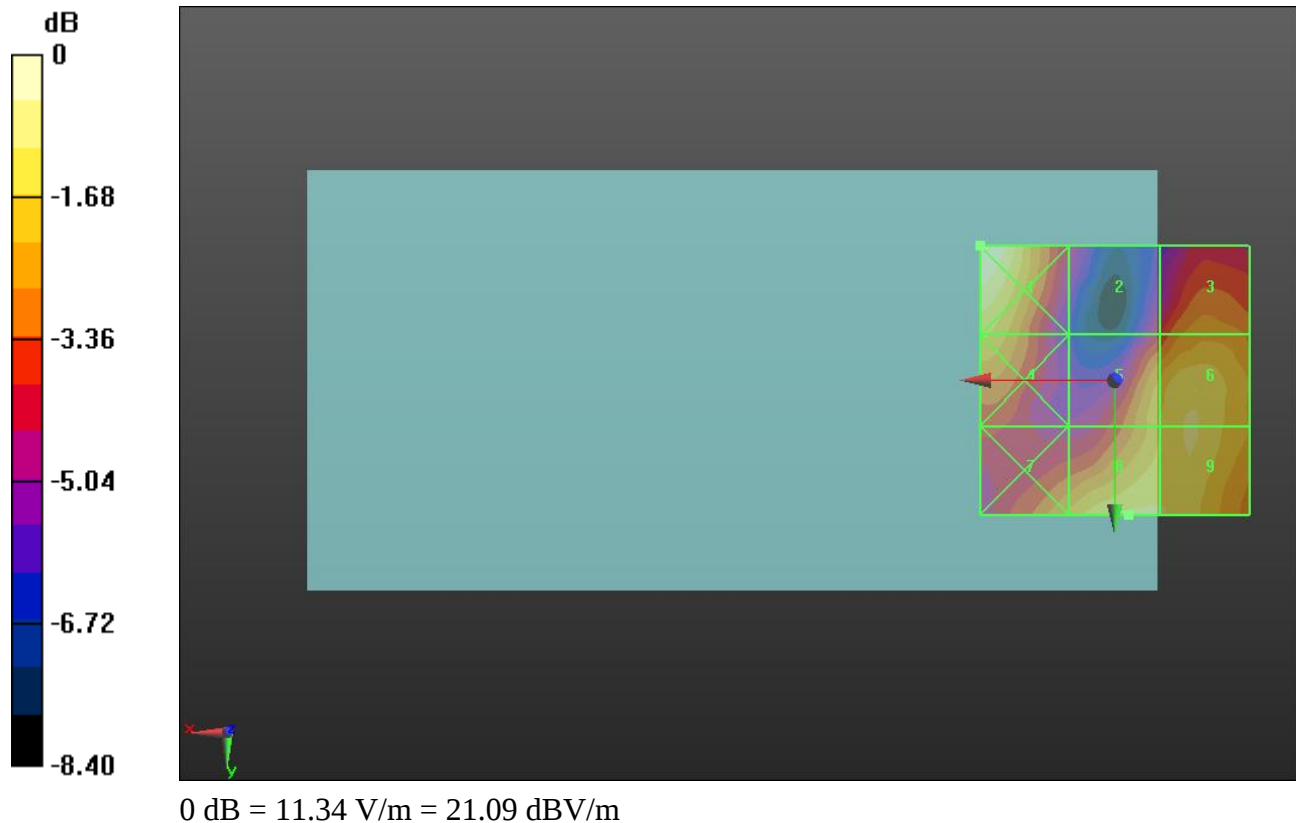
Applied MIF = -1.44 dB

RF audio interference level = 20.10 dBV/m

Emission category: **M4**

MIF scaled E-field

Grid 1 M4 21.09 dBV/m	Grid 2 M4 17.17 dBV/m	Grid 3 M4 18.73 dBV/m
Grid 4 M4 19.55 dBV/m	Grid 5 M4 19.43 dBV/m	Grid 6 M4 20.01 dBV/m
Grid 7 M4 19.08 dBV/m	Grid 8 M4 20.1 dBV/m	Grid 9 M4 20.05 dBV/m



HAC-RF Emission

Communication System: UID 10173 - CAC, 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: EF3DV3 - SN4041; ConvF(1, 1, 1); Calibrated: 3/22/2019;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1352; Calibrated: 11/6/2018
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

LTE Band 41 E-Field measurement 2/LTE TDD_16QAM_RB 1/49_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 = 17.03 V/m; Power Drift = -0.14 dB

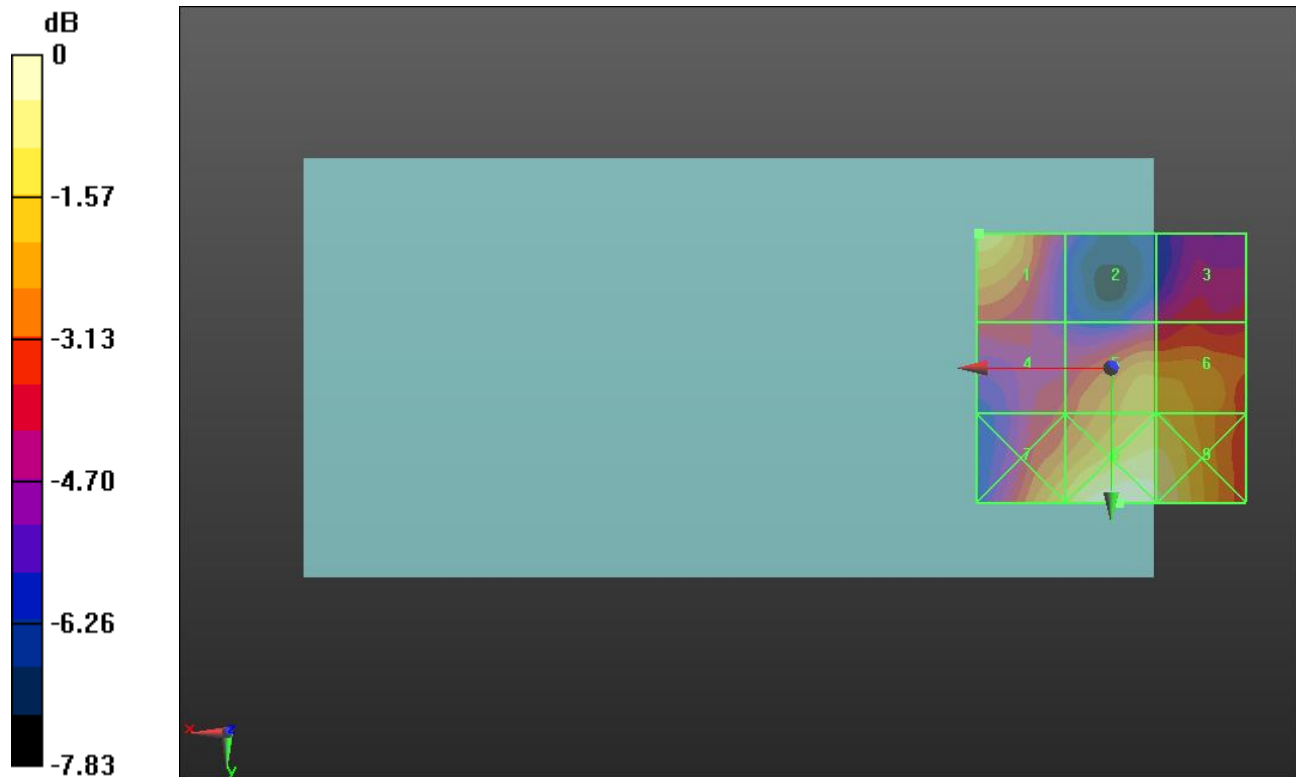
Applied MIF = -1.44 dB

RF audio interference level = 20.27 dBV/m

Emission category: **M4**

MIF scaled E-field

Grid 1 M4 20.27 dBV/m	Grid 2 M4 16.81 dBV/m	Grid 3 M4 17.57 dBV/m
Grid 4 M4 17.84 dBV/m	Grid 5 M4 19.68 dBV/m	Grid 6 M4 19.68 dBV/m
Grid 7 M4 19.95 dBV/m	Grid 8 M4 21.23 dBV/m	Grid 9 M4 20.89 dBV/m



0 dB = 11.52 V/m = 21.23 dBV/m

HAC-RF Emission

Communication System: UID 10173 - CAC, 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: EF3DV3 - SN4041; ConvF(1, 1, 1); Calibrated: 3/22/2019;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1352; Calibrated: 11/6/2018
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

LTE Band 41 E-Field measurement 2/LTE TDD_16QAM_RB 1/49_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 = 18.65 V/m; Power Drift = 0.26 dB

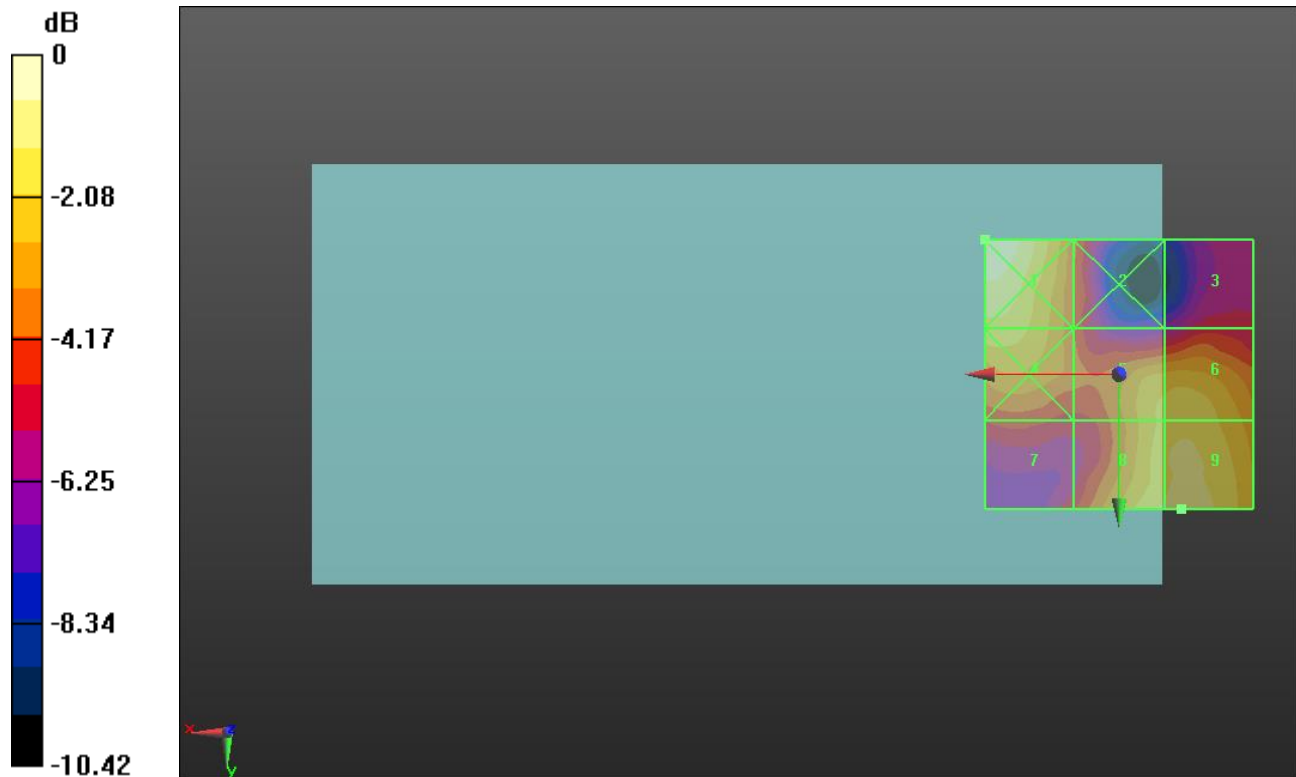
Applied MIF = -1.44 dB

RF audio interference level = 20.43 dBV/m

Emission category: **M4**

MIF scaled E-field

Grid 1 M4 21.48 dBV/m	Grid 2 M4 17.75 dBV/m	Grid 3 M4 16.45 dBV/m
Grid 4 M4 19.86 dBV/m	Grid 5 M4 19.66 dBV/m	Grid 6 M4 19.92 dBV/m
Grid 7 M4 16.99 dBV/m	Grid 8 M4 20.28 dBV/m	Grid 9 M4 20.43 dBV/m



0 dB = 11.86 V/m = 21.48 dBV/m

HAC-RF Emission

Communication System: UID 10173 - CAC, 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: EF3DV3 - SN4041; ConvF(1, 1, 1); Calibrated: 3/22/2019;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1352; Calibrated: 11/6/2018
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

LTE Band 41 E-Field measurement 2/LTE TDD_16QAM_RB 1/49_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 = 21.54 V/m; Power Drift = 0.28 dB

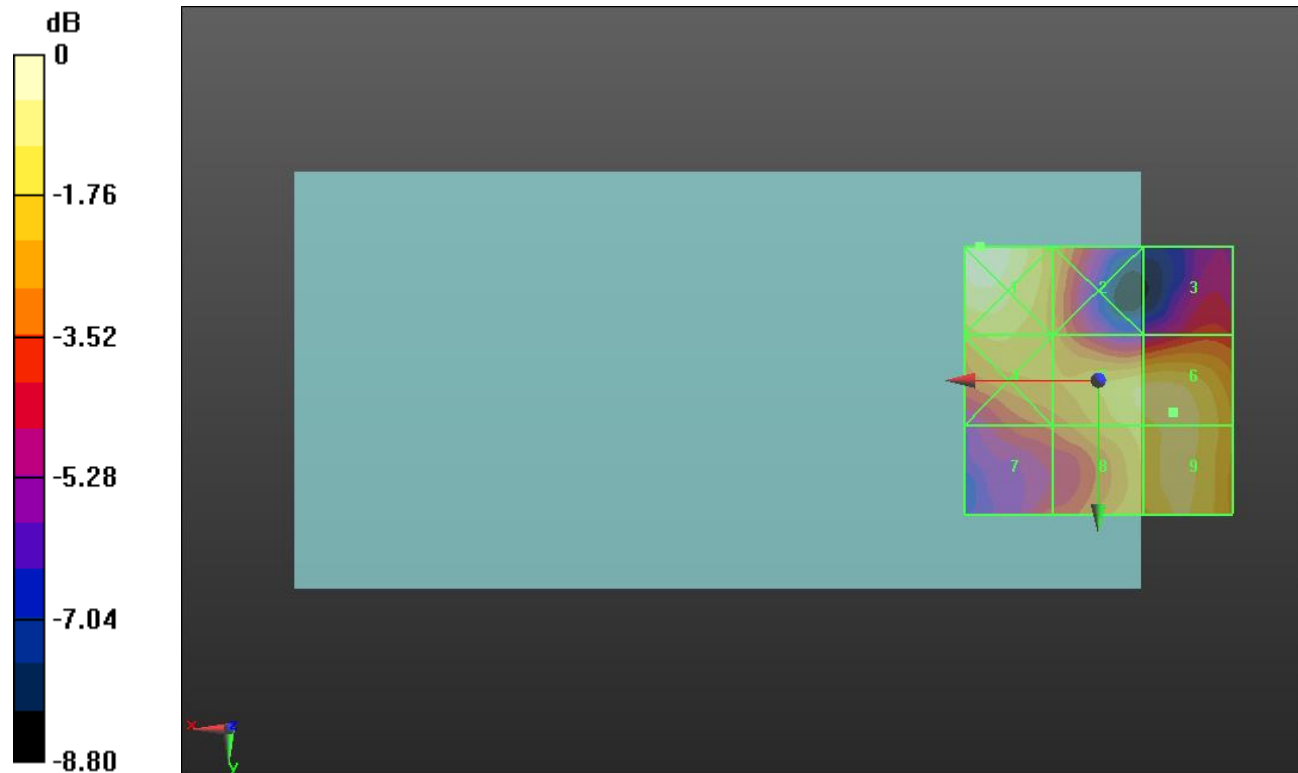
Applied MIF = -1.44 dB

RF audio interference level = 19.06 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 19.88 dBV/m	Grid 2 M4 17.61 dBV/m	Grid 3 M4 16.17 dBV/m
Grid 4 M4 18.25 dBV/m	Grid 5 M4 18.87 dBV/m	Grid 6 M4 19.06 dBV/m
Grid 7 M4 16.54 dBV/m	Grid 8 M4 18.48 dBV/m	Grid 9 M4 19.03 dBV/m



0 dB = 9.861 V/m = 19.88 dBV/m

HAC-RF Emission

Communication System: UID 10173 - CAG, LTE-TDD (SC-FDMA, 1 RB, 20 MHz, 16-QAM); Frequency: 3560 MHz; Duty Cycle: 1:8.87156

Phantom section: RF Section

DASY5 Configuration:

- Probe: EF3DV3 - SN4041; ConvF(1, 1, 1); Calibrated: 3/22/2019;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1352; Calibrated: 11/6/2018
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

LTE Band 48 E-Field measurement/LTE TDD_16QAM_RB 1/49_ch 55340/Hearing Aid Compatibility Test (101x101x1):

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 8.120 V/m; Power Drift = -0.83 dB

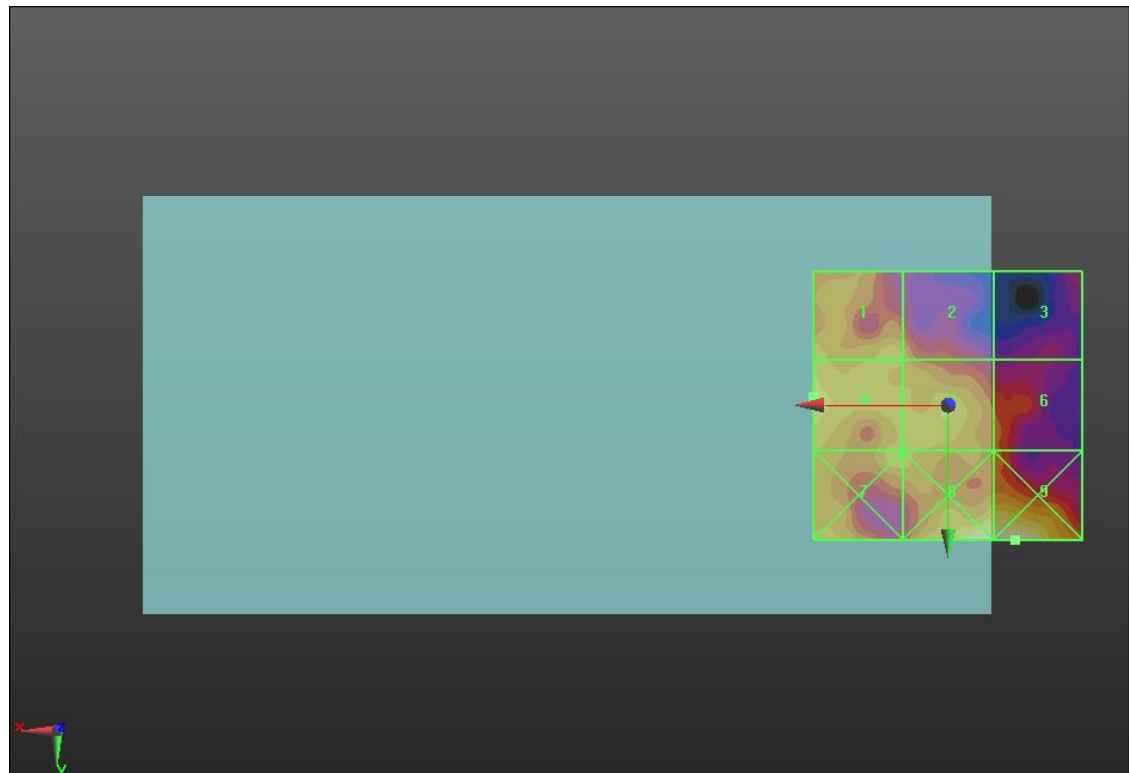
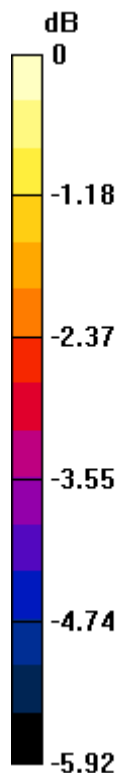
Applied MIF = -1.44 dB

RF audio interference level = 13.72 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 13.51 dBV/m	Grid 2 M4 13.14 dBV/m	Grid 3 M4 11.62 dBV/m
Grid 4 M4 13.72 dBV/m	Grid 5 M4 13.62 dBV/m	Grid 6 M4 12.54 dBV/m
Grid 7 M4 13.49 dBV/m	Grid 8 M4 14.63 dBV/m	Grid 9 M4 14.71 dBV/m



0 dB = 5.438 V/m = 14.71 dBV/m

HAC-RF Emission

Communication System: UID 10173 - CAG, LTE-TDD (SC-FDMA, 1 RB, 20 MHz, 16-QAM); Frequency: 3603.3 MHz; Duty Cycle: 1:8.87156

Phantom section: RF Section

DASY5 Configuration:

- Probe: EF3DV3 - SN4041; ConvF(1, 1, 1); Calibrated: 3/22/2019;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1352; Calibrated: 11/6/2018
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.8 (8);SEMCAD X Version 14.6.10 (7331)

LTE Band 48 E-Field measurement/LTE TDD_16QAM_RB 1/49_ch 55773/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 = 10.16 V/m; Power Drift = -0.08 dB

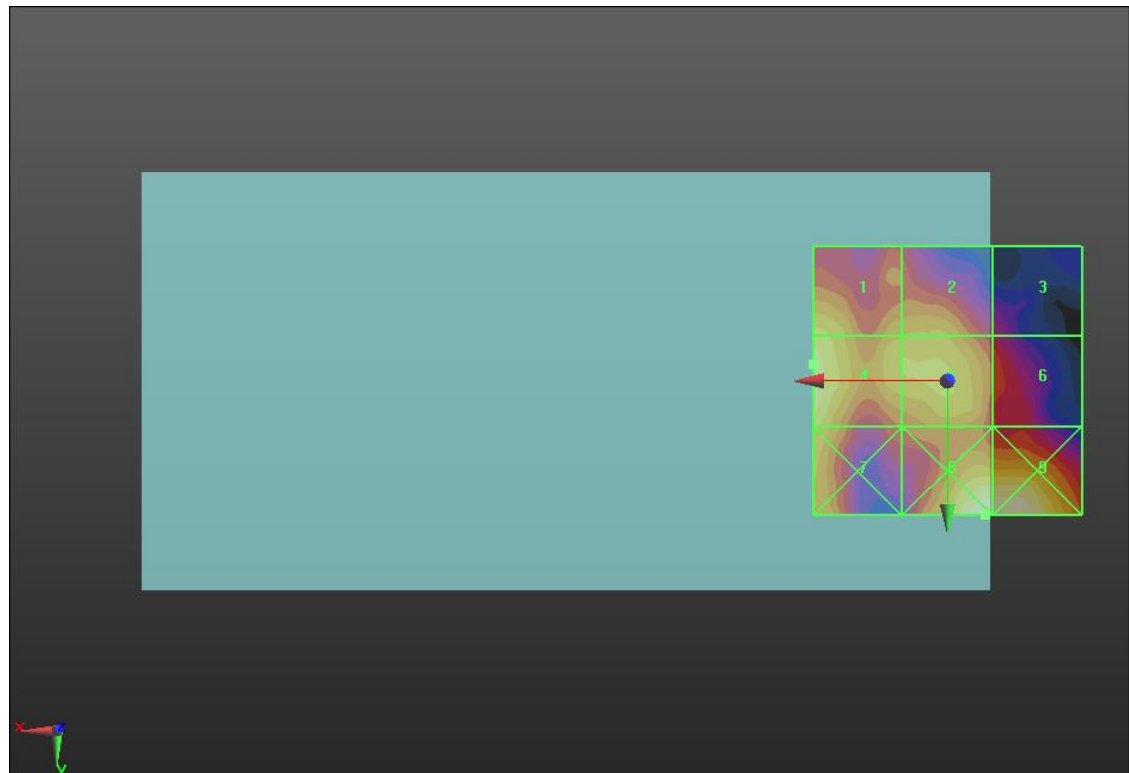
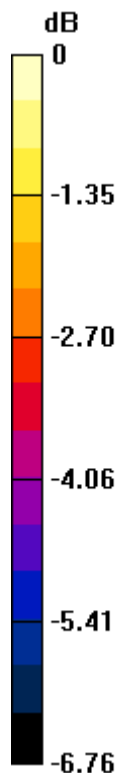
Applied MIF = -1.44 dB

RF audio interference level = 16.97 dBV/m

Emission category: **M4**

MIF scaled E-field

Grid 1 M4 16.53 dBV/m	Grid 2 M4 15.96 dBV/m	Grid 3 M4 14.05 dBV/m
Grid 4 M4 16.97 dBV/m	Grid 5 M4 16.43 dBV/m	Grid 6 M4 14.95 dBV/m
Grid 7 M4 16.44 dBV/m	Grid 8 M4 17.63 dBV/m	Grid 9 M4 17.58 dBV/m



0 dB = 7.611 V/m = 17.63 dBV/m

HAC-RF Emission

Communication System: UID 10173 - CAG, LTE-TDD (SC-FDMA, 1 RB, 20 MHz, 16-QAM); Frequency: 3646.7 MHz; Duty Cycle: 1:8.87156

Phantom section: RF Section

DASY5 Configuration:

- Probe: EF3DV3 - SN4041; ConvF(1, 1, 1); Calibrated: 3/22/2019;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1352; Calibrated: 11/6/2018
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

LTE Band 48 E-Field measurement/LTE TDD_16QAM_RB 1/49_ch 56207/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 = 7.725 V/m; Power Drift = 0.96 dB

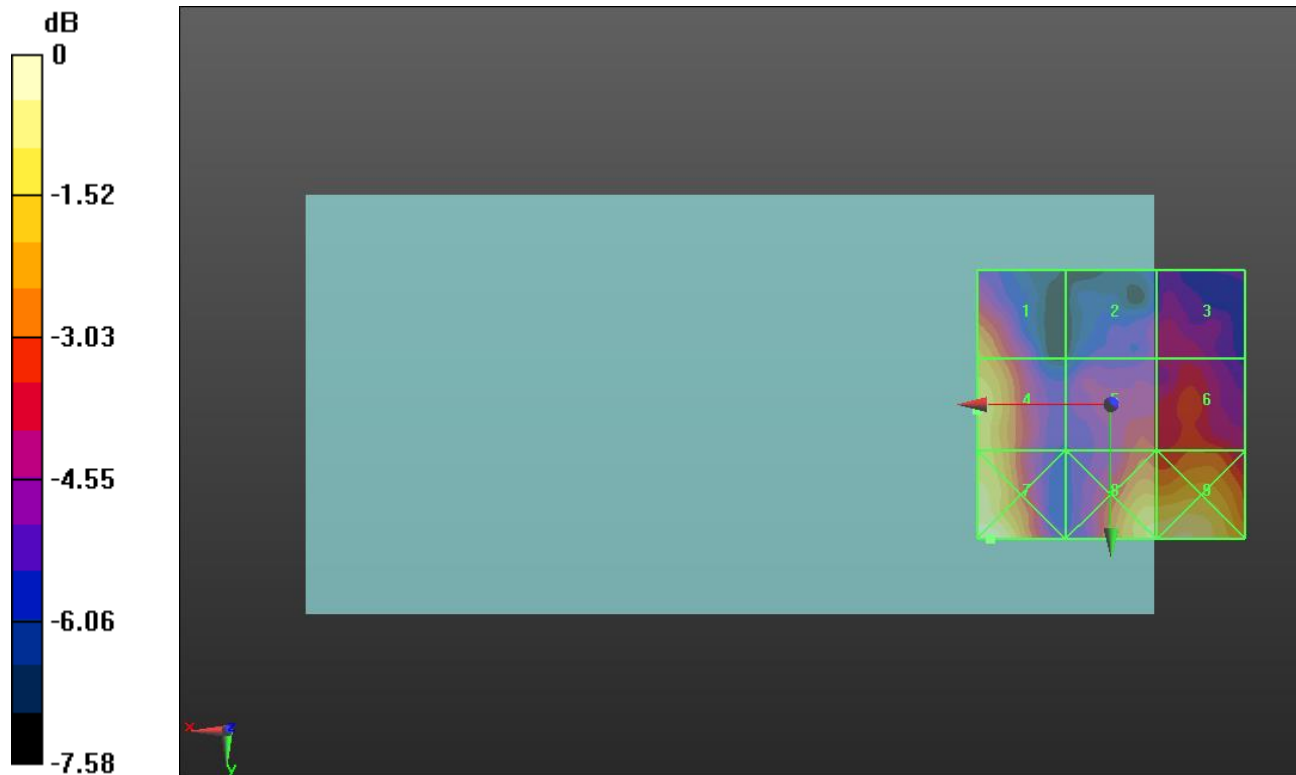
Applied MIF = -1.44 dB

RF audio interference level = 16.08 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 15.26 dBV/m	Grid 2 M4 12.53 dBV/m	Grid 3 M4 12.91 dBV/m
Grid 4 M4 16.08 dBV/m	Grid 5 M4 13.7 dBV/m	Grid 6 M4 13.91 dBV/m
Grid 7 M4 16.97 dBV/m	Grid 8 M4 16.21 dBV/m	Grid 9 M4 16.57 dBV/m



0 dB = 7.052 V/m = 16.97 dBV/m

HAC-RF Emission

Communication System: UID 10173 - CAG, LTE-TDD (SC-FDMA, 1 RB, 20 MHz, 16-QAM); Frequency: 3690 MHz; Duty Cycle: 1:8.87156

Phantom section: RF Section

DASY5 Configuration:

- Probe: EF3DV3 - SN4041; ConvF(1, 1, 1); Calibrated: 3/22/2019;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1352; Calibrated: 11/6/2018
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

LTE Band 48 E-Field measurement/LTE TDD_16QAM_RB 1/49_ch 56640/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 = 5.327 V/m; Power Drift = 3.23 dB

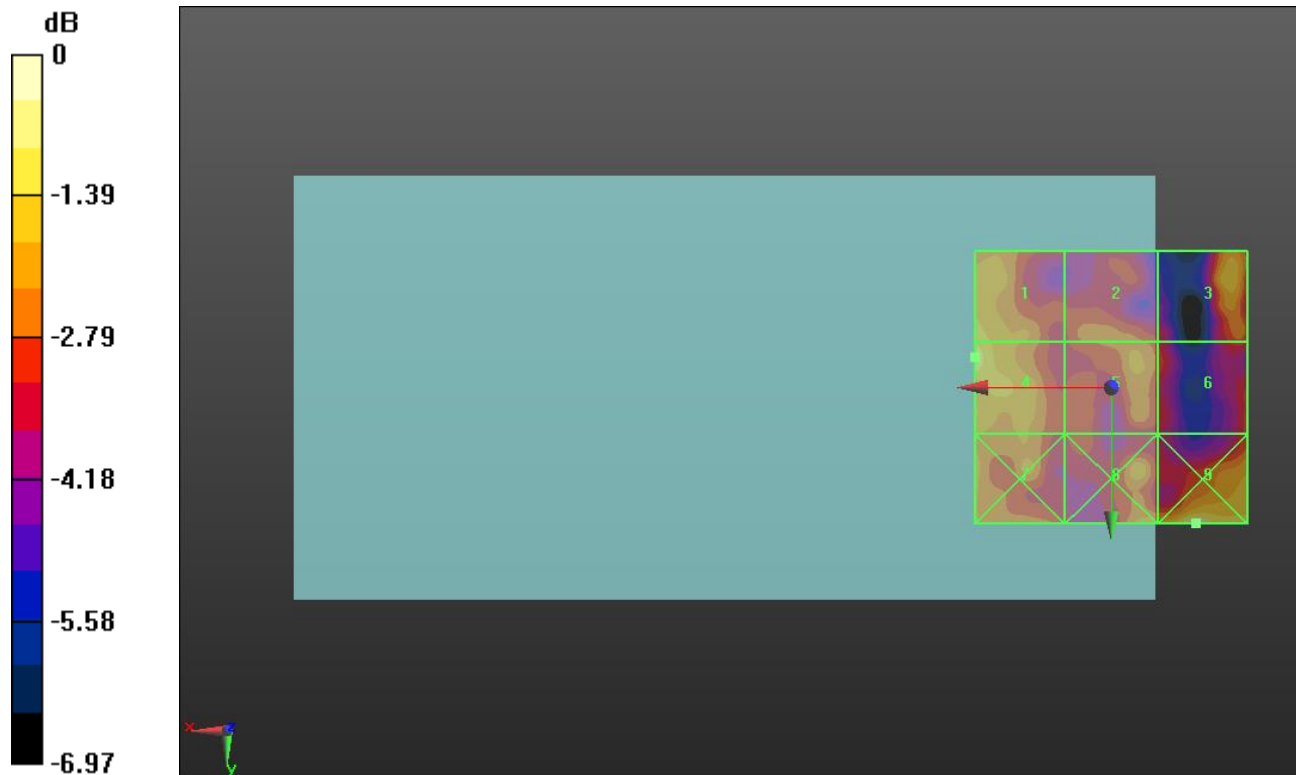
Applied MIF = -1.44 dB

RF audio interference level = 12.45 dBV/m

Emission category: **M4**

MIF scaled E-field

Grid 1 M4 11.99 dBV/m	Grid 2 M4 10.91 dBV/m	Grid 3 M4 12.03 dBV/m
Grid 4 M4 12.45 dBV/m	Grid 5 M4 11.29 dBV/m	Grid 6 M4 10.57 dBV/m
Grid 7 M4 11.45 dBV/m	Grid 8 M4 11.86 dBV/m	Grid 9 M4 13.45 dBV/m



0 dB = 4.705 V/m = 13.45 dBV/m

HAC-RF Emission

Communication System: UID 10021 - DAC, GSM-FDD (TDMA, GMSK); Frequency: 824.2 MHz; Duty Cycle: 1:8.6896

Phantom section: RF Section

DASY5 Configuration:

- Probe: EF3DV3 - SN4041; ConvF(1, 1, 1); Calibrated: 3/22/2019;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1352; Calibrated: 11/6/2018
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.8 (8);SEMCAD X Version 14.6.10 (7331)

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 = 72.45 V/m; Power Drift = 0.14 dB

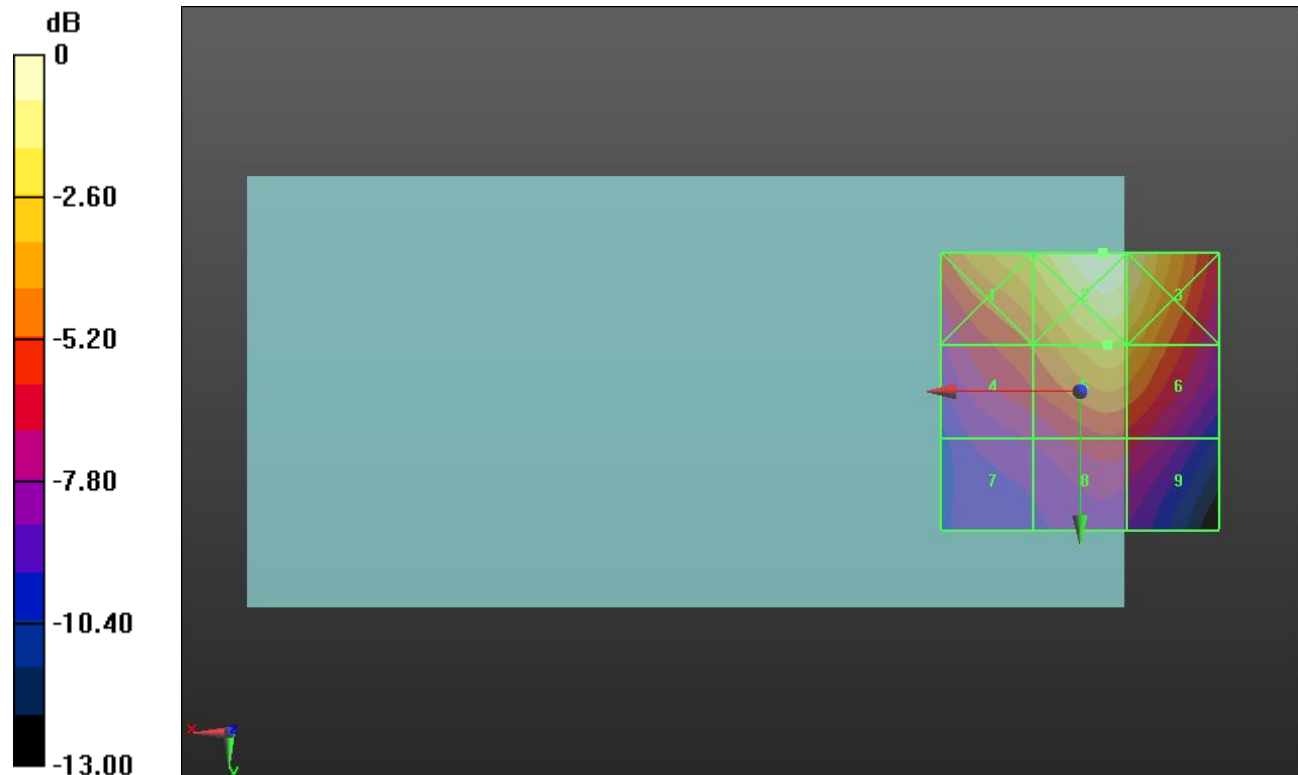
Applied MIF = 3.63 dB

RF audio interference level = 39.25 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 39.6 dBV/m	Grid 2 M3 41.87 dBV/m	Grid 3 M3 41.15 dBV/m
Grid 4 M4 36.83 dBV/m	Grid 5 M4 39.25 dBV/m	Grid 6 M4 38.87 dBV/m
Grid 7 M4 34.2 dBV/m	Grid 8 M4 35.71 dBV/m	Grid 9 M4 35.44 dBV/m



0 dB = 124.0 V/m = 41.87 dBV/m

HAC-RF Emission

Communication System: UID 10021 - DAC, GSM-FDD (TDMA, GMSK); Frequency: 836.6 MHz; Duty Cycle: 1:8.6896

Phantom section: RF Section

DASY5 Configuration:

- Probe: EF3DV3 - SN4041; ConvF(1, 1, 1); Calibrated: 3/22/2019;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1352; Calibrated: 11/6/2018
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.8 (8);SEMCAD X Version 14.6.10 (7331)

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 = 71.54 V/m; Power Drift = -0.06 dB

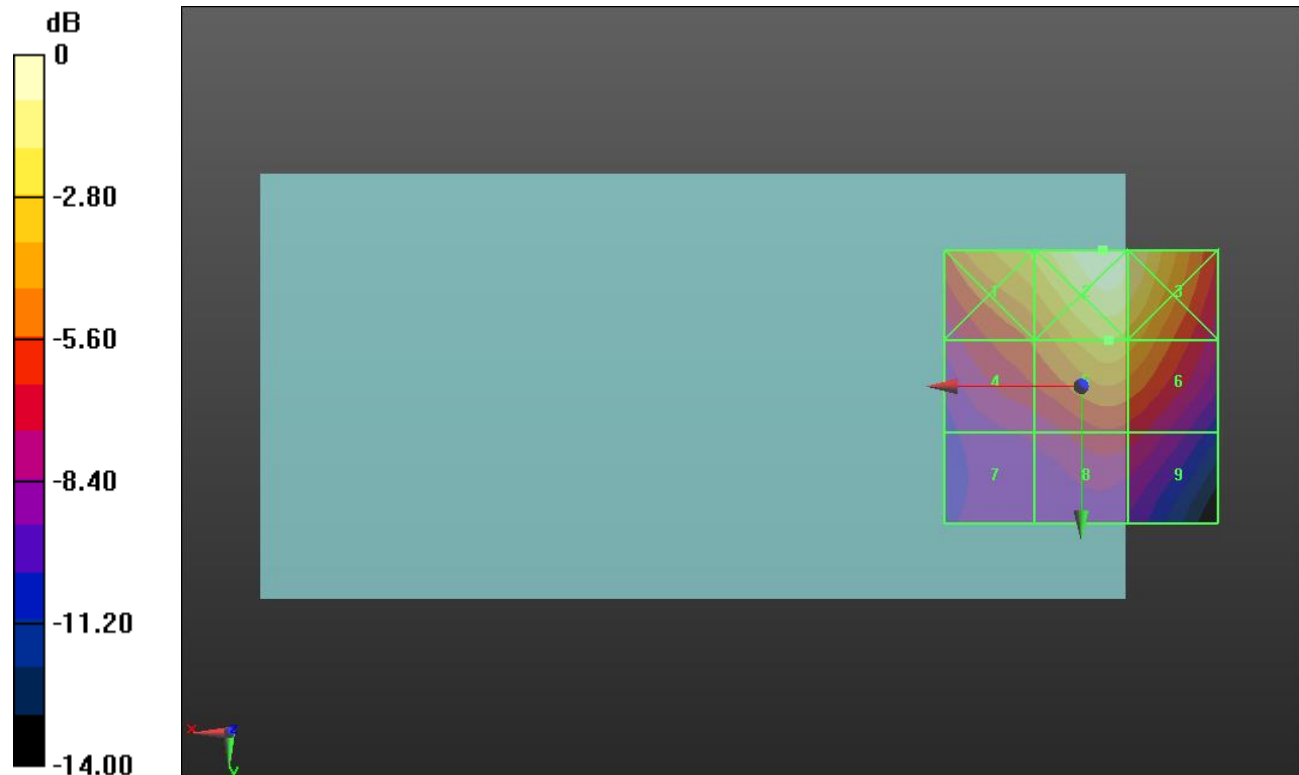
Applied MIF = 3.63 dB

RF audio interference level = 39.06 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 39.45 dBV/m	Grid 2 M3 41.86 dBV/m	Grid 3 M3 41.12 dBV/m
Grid 4 M4 36.5 dBV/m	Grid 5 M4 39.06 dBV/m	Grid 6 M4 38.63 dBV/m
Grid 7 M4 33.76 dBV/m	Grid 8 M4 35.21 dBV/m	Grid 9 M4 34.94 dBV/m



0 dB = 123.8 V/m = 41.85 dBV/m

HAC-RF Emission

Communication System: UID 10021 - DAC, GSM-FDD (TDMA, GMSK); Frequency: 848.8 MHz; Duty Cycle: 1:8.6896

Phantom section: RF Section

DASY5 Configuration:

- Probe: EF3DV3 - SN4041; ConvF(1, 1, 1) @ 848.8 MHz; Calibrated: 3/22/2019
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1352; Calibrated: 11/6/2018
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7450)

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 = 69.03 V/m; Power Drift = -0.07 dB

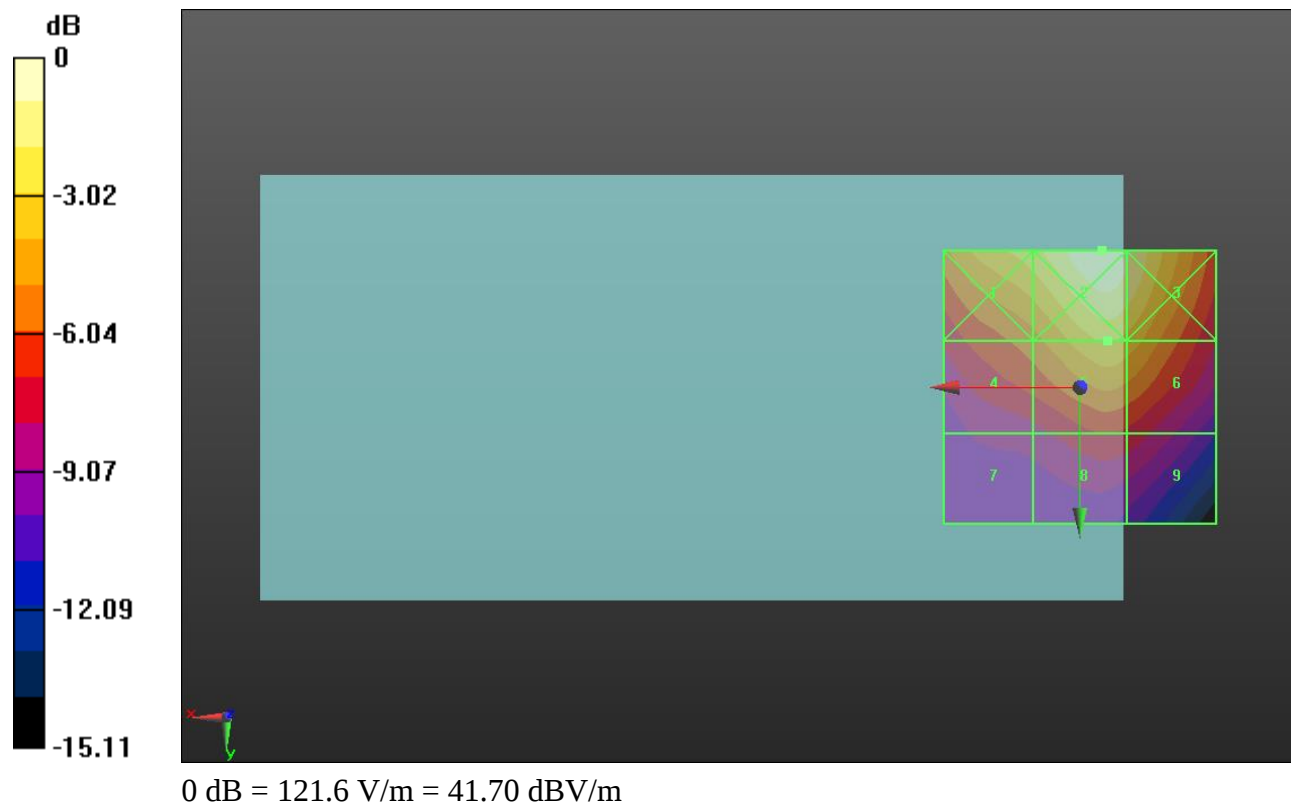
Applied MIF = 3.63 dB

RF audio interference level = 38.78 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 39.38 dBV/m	Grid 2 M3 41.7 dBV/m	Grid 3 M3 40.92 dBV/m
Grid 4 M4 36.3 dBV/m	Grid 5 M4 38.78 dBV/m	Grid 6 M4 38.35 dBV/m
Grid 7 M4 33.28 dBV/m	Grid 8 M4 34.71 dBV/m	Grid 9 M4 34.43 dBV/m



HAC-RF Emission

Communication System: UID 10021 - DAC, GSM-FDD (TDMA, GMSK); Frequency: 1850.2 MHz; Duty Cycle: 1:8.6896

Phantom section: RF Section

DASY5 Configuration:

- Probe: EF3DV3 - SN4041; ConvF(1, 1, 1); Calibrated: 3/22/2019;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1352; Calibrated: 11/6/2018
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

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 = 18.59 V/m; Power Drift = 0.19 dB

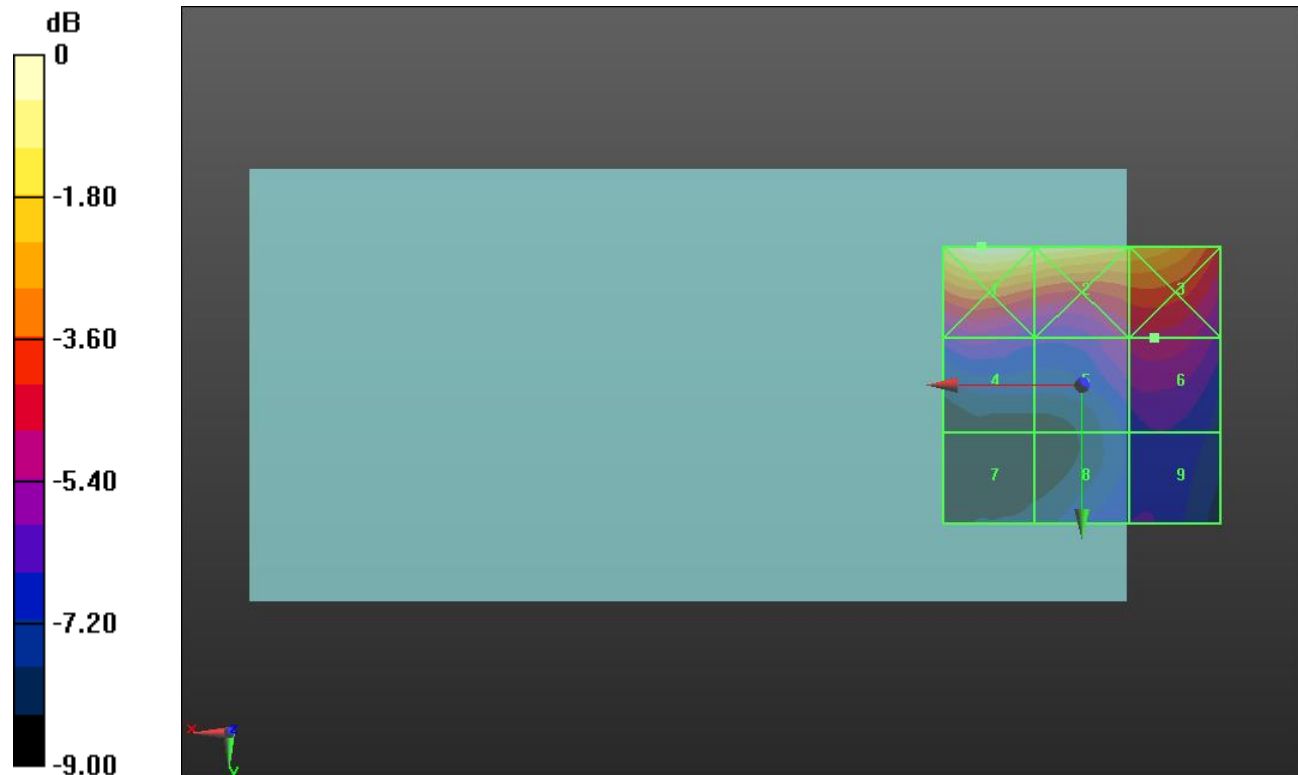
Applied MIF = 3.63 dB

RF audio interference level = 28.11 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M3 33.03 dBV/m	Grid 2 M3 32.59 dBV/m	Grid 3 M3 31.48 dBV/m
Grid 4 M4 27.4 dBV/m	Grid 5 M4 27.91 dBV/m	Grid 6 M4 28.11 dBV/m
Grid 7 M4 24.93 dBV/m	Grid 8 M4 26.46 dBV/m	Grid 9 M4 26.51 dBV/m



0 dB = 44.83 V/m = 33.03 dBV/m

HAC-RF Emission

Communication System: UID 10021 - DAC, GSM-FDD (TDMA, GMSK); Frequency: 1880 MHz; Duty Cycle: 1:8.6896

Phantom section: RF Section

DASY5 Configuration:

- Probe: EF3DV3 - SN4041; ConvF(1, 1, 1); Calibrated: 3/22/2019;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1352; Calibrated: 11/6/2018
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.8 (8);SEMCAD X Version 14.6.10 (7331)

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 = 18.02 V/m; Power Drift = -0.06 dB

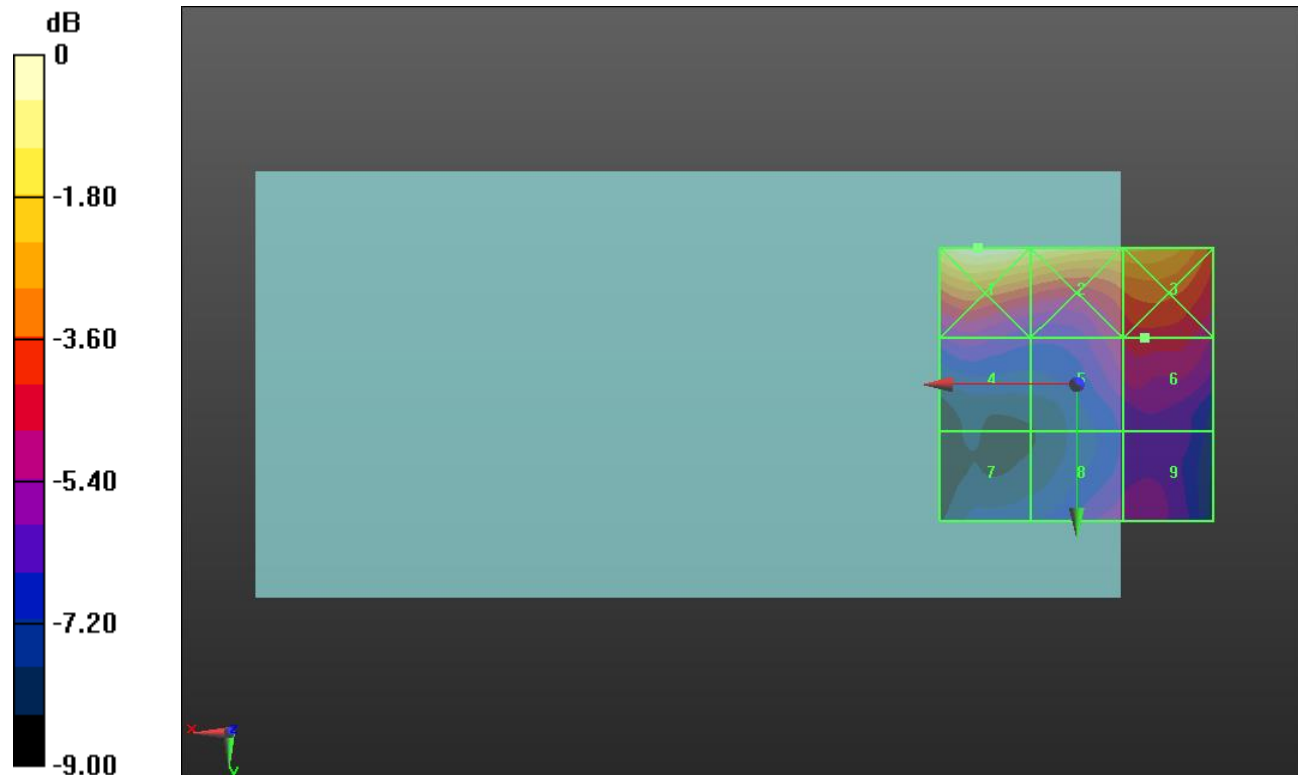
Applied MIF = 3.63 dB

RF audio interference level = 28.09 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M3 32.49 dBV/m	Grid 2 M3 31.98 dBV/m	Grid 3 M3 30.97 dBV/m
Grid 4 M4 26.86 dBV/m	Grid 5 M4 27.79 dBV/m	Grid 6 M4 28.09 dBV/m
Grid 7 M4 25.24 dBV/m	Grid 8 M4 26.84 dBV/m	Grid 9 M4 26.86 dBV/m



0 dB = 42.13 V/m = 32.49 dBV/m

HAC-RF Emission

Communication System: UID 10021 - DAC, GSM-FDD (TDMA, GMSK); Frequency: 1909.8 MHz; Duty Cycle: 1:8.6896

Phantom section: RF Section

DASY5 Configuration:

- Probe: EF3DV3 - SN4041; ConvF(1, 1, 1); Calibrated: 3/22/2019;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1352; Calibrated: 11/6/2018
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

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 = 19.50 V/m; Power Drift = 0.18 dB

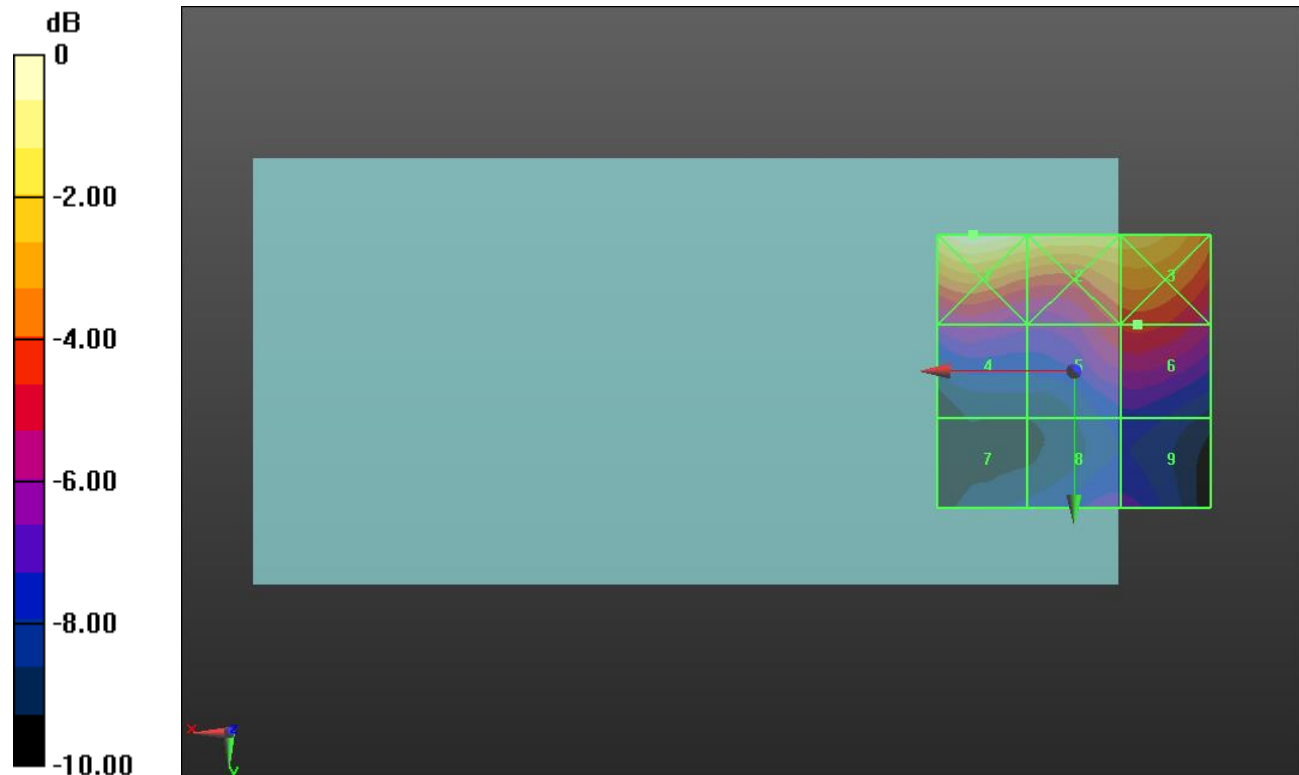
Applied MIF = 3.63 dB

RF audio interference level = 28.83 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M3 33.23 dBV/m	Grid 2 M3 32.47 dBV/m	Grid 3 M3 31.83 dBV/m
Grid 4 M4 27.45 dBV/m	Grid 5 M4 28.68 dBV/m	Grid 6 M4 28.83 dBV/m
Grid 7 M4 24.84 dBV/m	Grid 8 M4 26.37 dBV/m	Grid 9 M4 26.34 dBV/m



0 dB = 45.84 V/m = 33.22 dBV/m

HAC-RF Emission

Communication System: UID 10295 - AAB, CDMA2000, RC1, SO3, 1/8th Rate 25 fr.; Frequency: 824.7 MHz; Duty Cycle: 1:17.7419

Phantom section: RF Section

DASY5 Configuration:

- Probe: EF3DV3 - SN4041; ConvF(1, 1, 1) @ 824.7 MHz; Calibrated: 3/22/2019
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1352; Calibrated: 11/6/2018
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7450)

CDMA BC0 E-Field measurement/RC1_SO3_Ch 1013/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 = 27.43 V/m; Power Drift = -0.10 dB

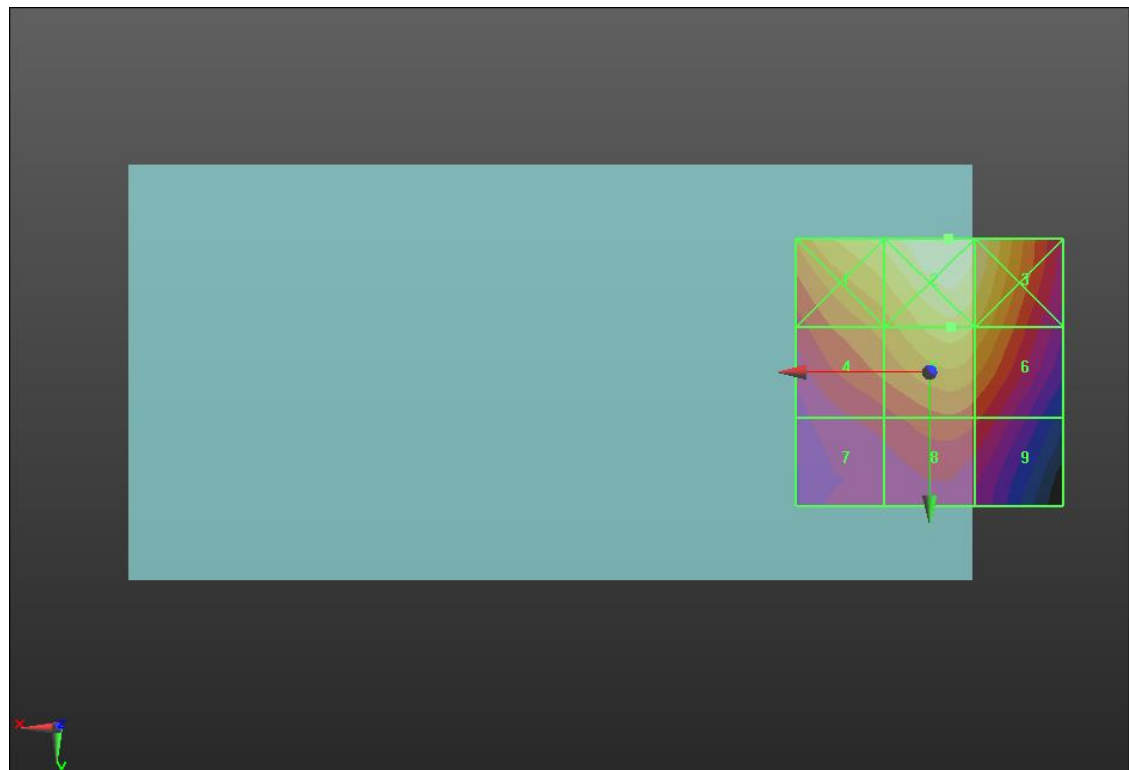
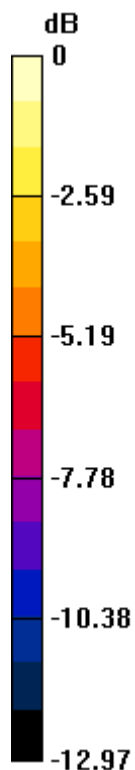
Applied MIF = 3.26 dB

RF audio interference level = 30.21 dBV/m

Emission category: **M4**

MIF scaled E-field

Grid 1 M4 30.87 dBV/m	Grid 2 M4 32.24 dBV/m	Grid 3 M4 31.35 dBV/m
Grid 4 M4 28.35 dBV/m	Grid 5 M4 30.21 dBV/m	Grid 6 M4 29.61 dBV/m
Grid 7 M4 25.88 dBV/m	Grid 8 M4 26.97 dBV/m	Grid 9 M4 26.46 dBV/m



0 dB = 40.94 V/m = 32.24 dBV/m

HAC-RF Emission

Communication System: UID 10295 - AAB, CDMA2000, RC1, SO3, 1/8th Rate 25 fr.; Frequency: 836.52 MHz; Duty Cycle: 1:17.7419

Phantom section: RF Section

DASY5 Configuration:

- Probe: EF3DV3 - SN4041; ConvF(1, 1, 1) @ 836.52 MHz; Calibrated: 3/22/2019
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1352; Calibrated: 11/6/2018
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7450)

CDMA BC0 E-Field measurement/RC1_SO3_Ch 384/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 = 25.47 V/m; Power Drift = 0.00 dB

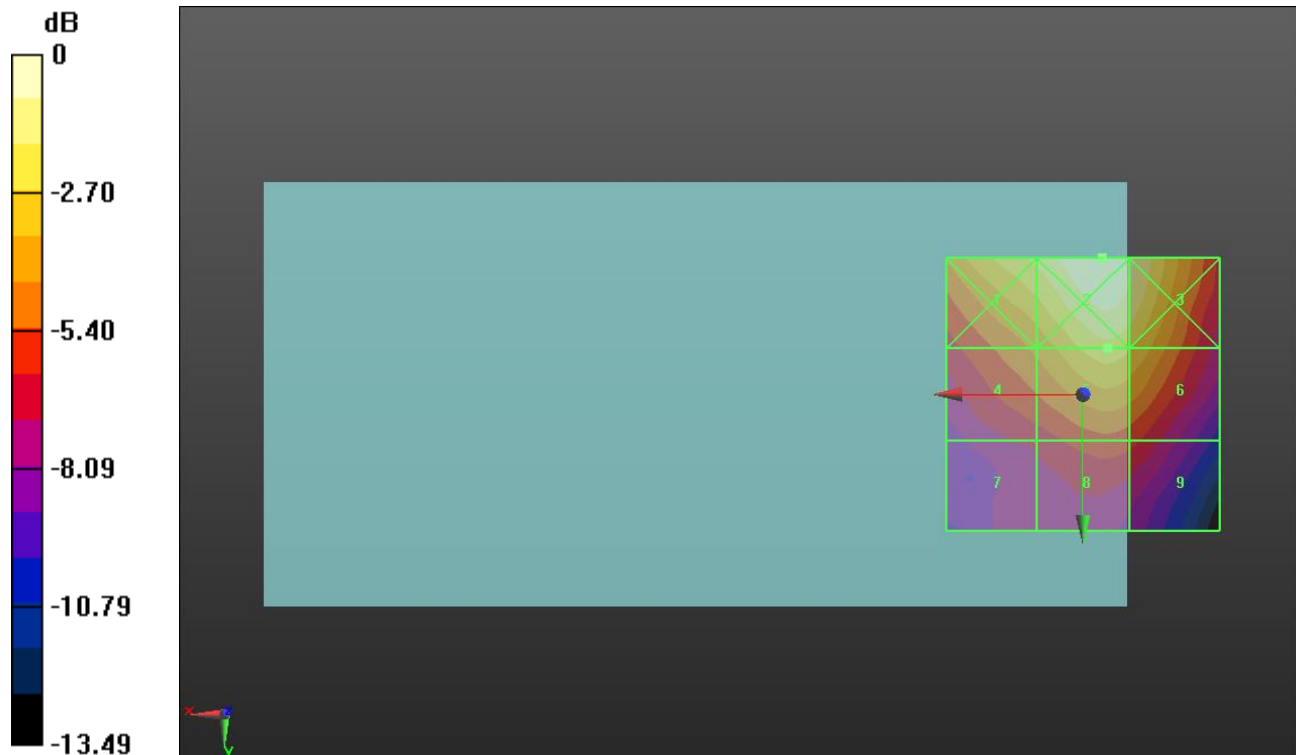
Applied MIF = 3.26 dB

RF audio interference level = 29.76 dBV/m

Emission category: **M4**

MIF scaled E-field

Grid 1 M4 30.33 dBV/m	Grid 2 M4 31.88 dBV/m	Grid 3 M4 31.2 dBV/m
Grid 4 M4 27.63 dBV/m	Grid 5 M4 29.76 dBV/m	Grid 6 M4 29.29 dBV/m
Grid 7 M4 25.03 dBV/m	Grid 8 M4 26.2 dBV/m	Grid 9 M4 25.93 dBV/m



0 dB = 39.24 V/m = 31.87 dBV/m

HAC-RF Emission

Communication System: UID 10295 - AAB, CDMA2000, RC1, SO3, 1/8th Rate 25 fr.; Frequency: 848.31 MHz; Duty Cycle: 1:17.7419

Phantom section: RF Section

DASY5 Configuration:

- Probe: EF3DV3 - SN4041; ConvF(1, 1, 1) @ 848.31 MHz; Calibrated: 3/22/2019
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1352; Calibrated: 11/6/2018
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.10 (2);SEMCAD X Version 14.6.12 (7450)

CDMA BC0 E-Field measurement/RC1_SO3_Ch 777/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 = 26.28 V/m; Power Drift = -0.07 dB

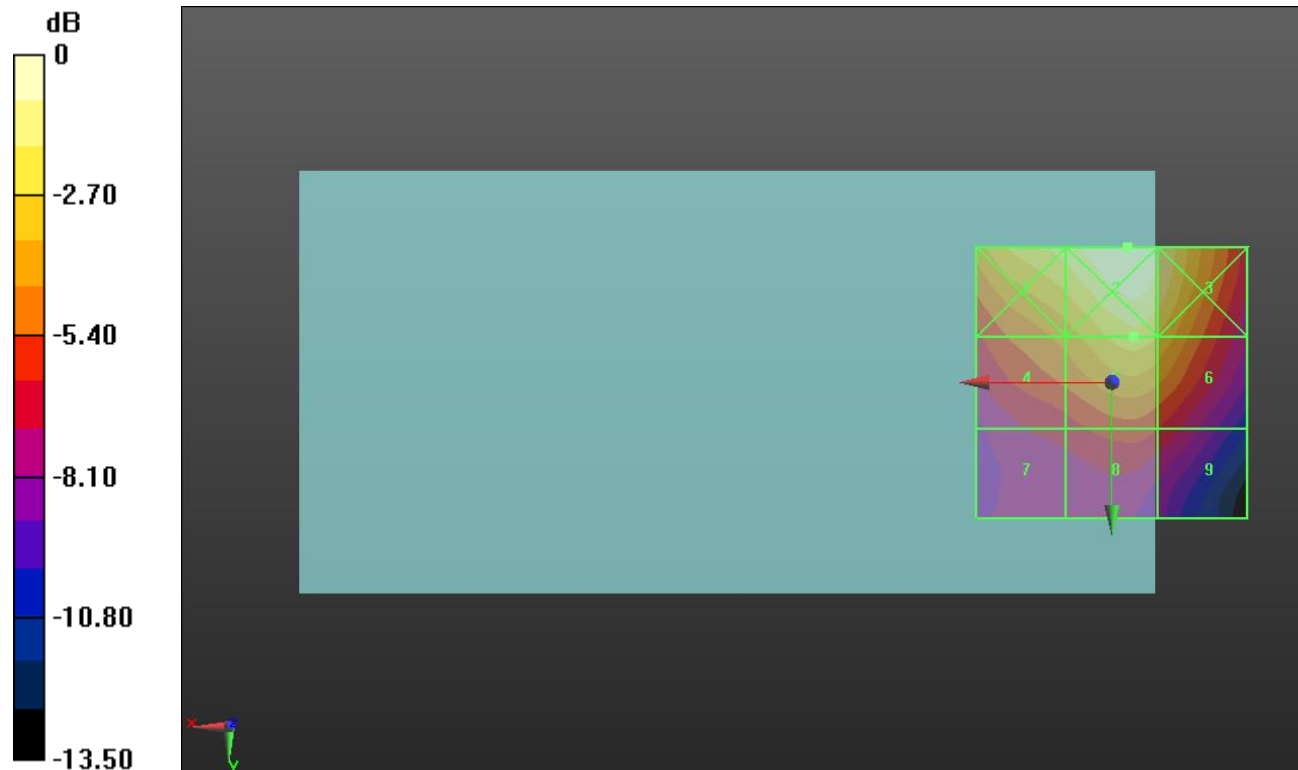
Applied MIF = 3.26 dB

RF audio interference level = 30.03 dBV/m

Emission category: **M4**

MIF scaled E-field

Grid 1 M4 30.88 dBV/m	Grid 2 M4 32.2 dBV/m	Grid 3 M4 31.45 dBV/m
Grid 4 M4 28.12 dBV/m	Grid 5 M4 30.03 dBV/m	Grid 6 M4 29.45 dBV/m
Grid 7 M4 25.51 dBV/m	Grid 8 M4 26.47 dBV/m	Grid 9 M4 25.94 dBV/m



0 dB = 40.74 V/m = 32.20 dBV/m

HAC-RF Emission

Communication System: UID 10295 - AAB, CDMA2000, RC1, SO3, 1/8th Rate 25 fr.; Frequency: 1851.25 MHz; Duty Cycle: 1:17.7419

Phantom section: RF Section

DASY5 Configuration:

- Probe: EF3DV3 - SN4041; ConvF(1, 1, 1) @ 1851.25 MHz; Calibrated: 3/22/2019
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1352; Calibrated: 11/6/2018
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7450)

CDMA BC1 E-Field measurement/RC1_SO3_Ch 25/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 = 10.22 V/m; Power Drift = -0.38 dB

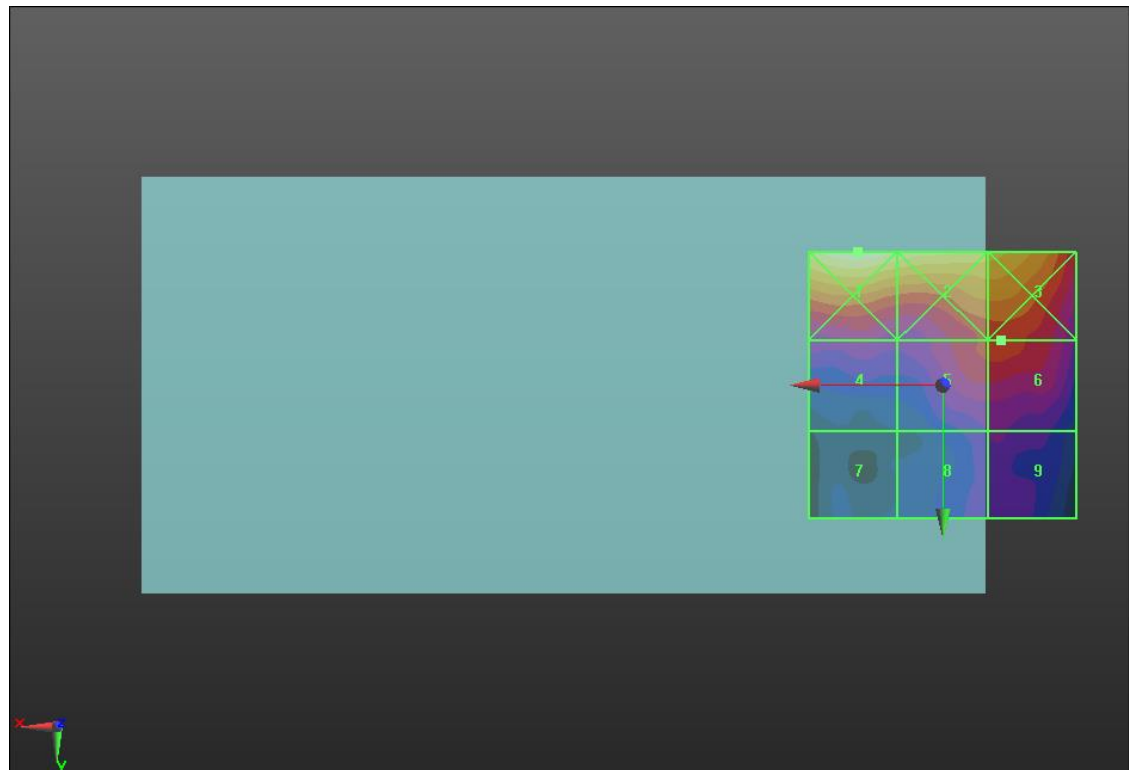
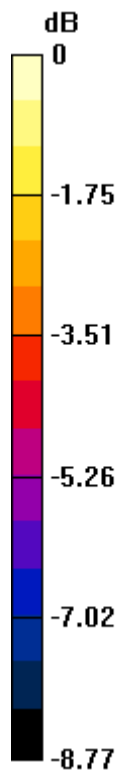
Applied MIF = 3.26 dB

RF audio interference level = 21.66 dBV/m

Emission category: **M4**

MIF scaled E-field

Grid 1 M4 25.51 dBV/m	Grid 2 M4 25 dBV/m	Grid 3 M4 24.15 dBV/m
Grid 4 M4 20.43 dBV/m	Grid 5 M4 21.62 dBV/m	Grid 6 M4 21.66 dBV/m
Grid 7 M4 18.13 dBV/m	Grid 8 M4 19.73 dBV/m	Grid 9 M4 19.82 dBV/m



0 dB = 18.86 V/m = 25.51 dBV/m

HAC-RF Emission

Communication System: UID 10295 - AAB, CDMA2000, RC1, SO3, 1/8th Rate 25 fr.; Frequency: 1880 MHz; Duty Cycle: 1:17.7419

Phantom section: RF Section

DASY5 Configuration:

- Probe: EF3DV3 - SN4041; ConvF(1, 1, 1) @ 1880 MHz; Calibrated: 3/22/2019
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1352; Calibrated: 11/6/2018
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7450)

CDMA BC1 E-Field measurement/RC1_SO3_Ch 600/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 = 9.441 V/m; Power Drift = -0.84 dB

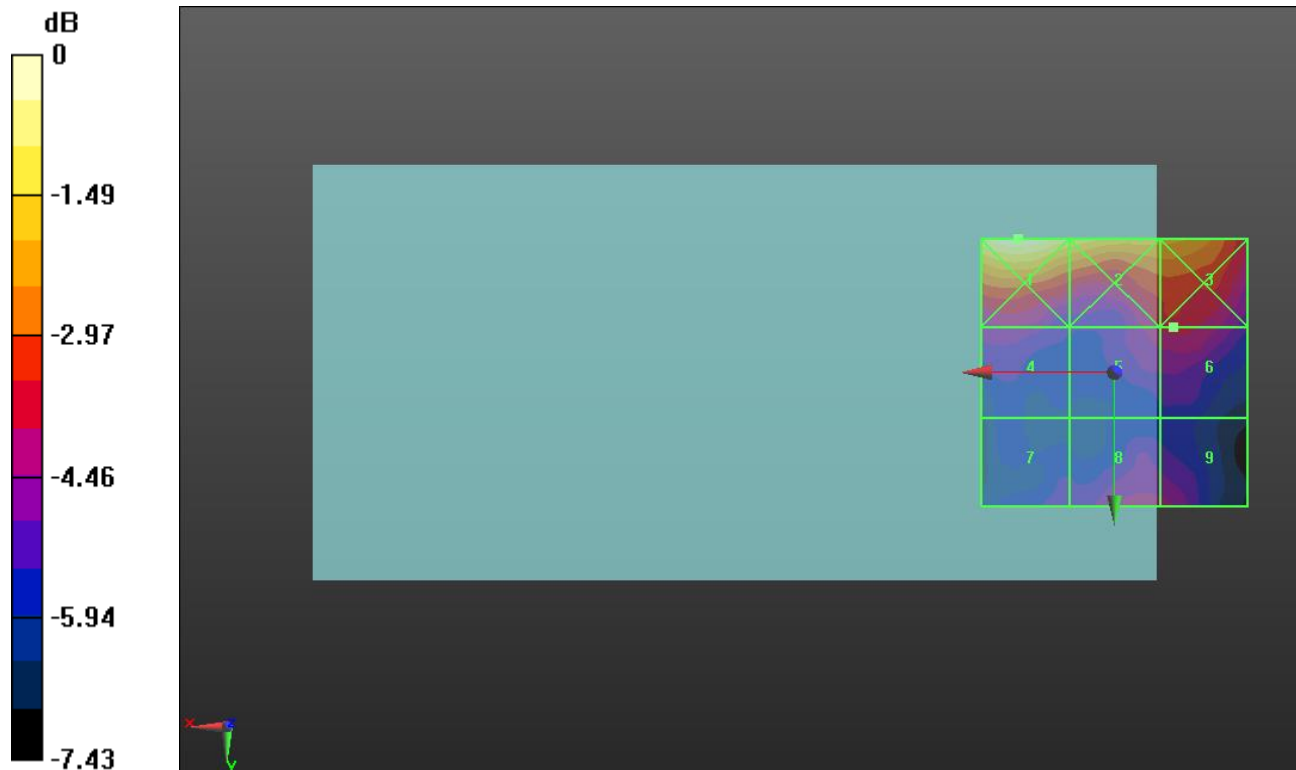
Applied MIF = 3.26 dB

RF audio interference level = 21.36 dBV/m

Emission category: **M4**

MIF scaled E-field

Grid 1 M4 25.06 dBV/m	Grid 2 M4 24.18 dBV/m	Grid 3 M4 23.34 dBV/m
Grid 4 M4 20.67 dBV/m	Grid 5 M4 21.17 dBV/m	Grid 6 M4 21.36 dBV/m
Grid 7 M4 20.09 dBV/m	Grid 8 M4 20.89 dBV/m	Grid 9 M4 20.87 dBV/m



0 dB = 17.90 V/m = 25.06 dBV/m

HAC-RF Emission

Communication System: UID 10295 - AAB, CDMA2000, RC1, SO3, 1/8th Rate 25 fr.; Frequency: 1908.75 MHz; Duty Cycle: 1:17.7419

Phantom section: RF Section

DASY5 Configuration:

- Probe: EF3DV3 - SN4041; ConvF(1, 1, 1) @ 1908.75 MHz; Calibrated: 3/22/2019
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1352; Calibrated: 11/6/2018
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7450)

CDMA BC1 E-Field measurement/RC1_SO3_Ch 1175/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 = 10.47 V/m; Power Drift = -0.60 dB

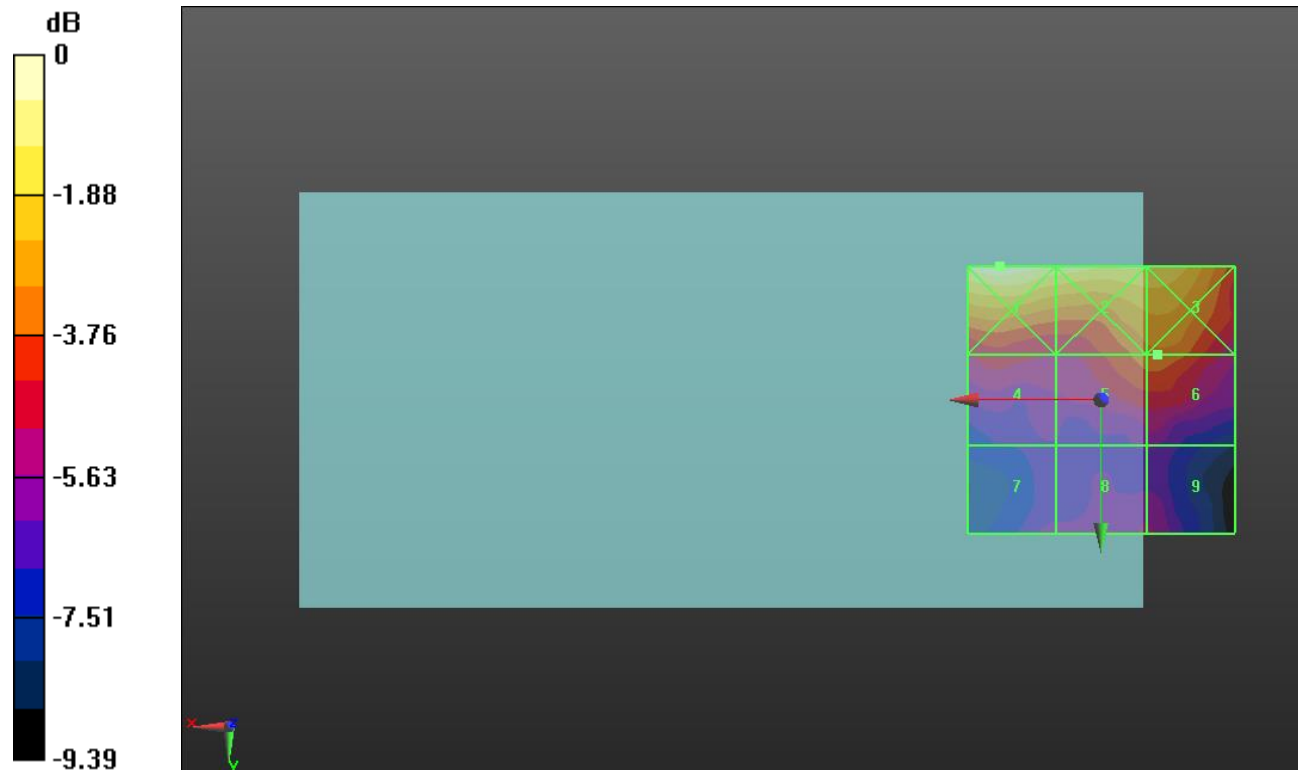
Applied MIF = 3.26 dB

RF audio interference level = 22.22 dBV/m

Emission category: **M4**

MIF scaled E-field

Grid 1 M4 25.52 dBV/m	Grid 2 M4 24.83 dBV/m	Grid 3 M4 24.38 dBV/m
Grid 4 M4 20.92 dBV/m	Grid 5 M4 22.14 dBV/m	Grid 6 M4 22.22 dBV/m
Grid 7 M4 19.67 dBV/m	Grid 8 M4 20.04 dBV/m	Grid 9 M4 20.04 dBV/m



0 dB = 18.88 V/m = 25.52 dBV/m

HAC-RF Emission

Communication System: UID 10295 - AAB, CDMA2000, RC1, SO3, 1/8th Rate 25 fr.; Frequency: 817.3 MHz; Duty Cycle: 1:17.7419

Phantom section: RF Section

DASY5 Configuration:

- Probe: EF3DV3 - SN4041; ConvF(1, 1, 1) @ 817.3 MHz; Calibrated: 3/22/2019
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1352; Calibrated: 11/6/2018
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7450)

CDMA BC10 E-Field measurement/RC1_SO3_ch 450/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 = 25.48 V/m; Power Drift = -0.03 dB

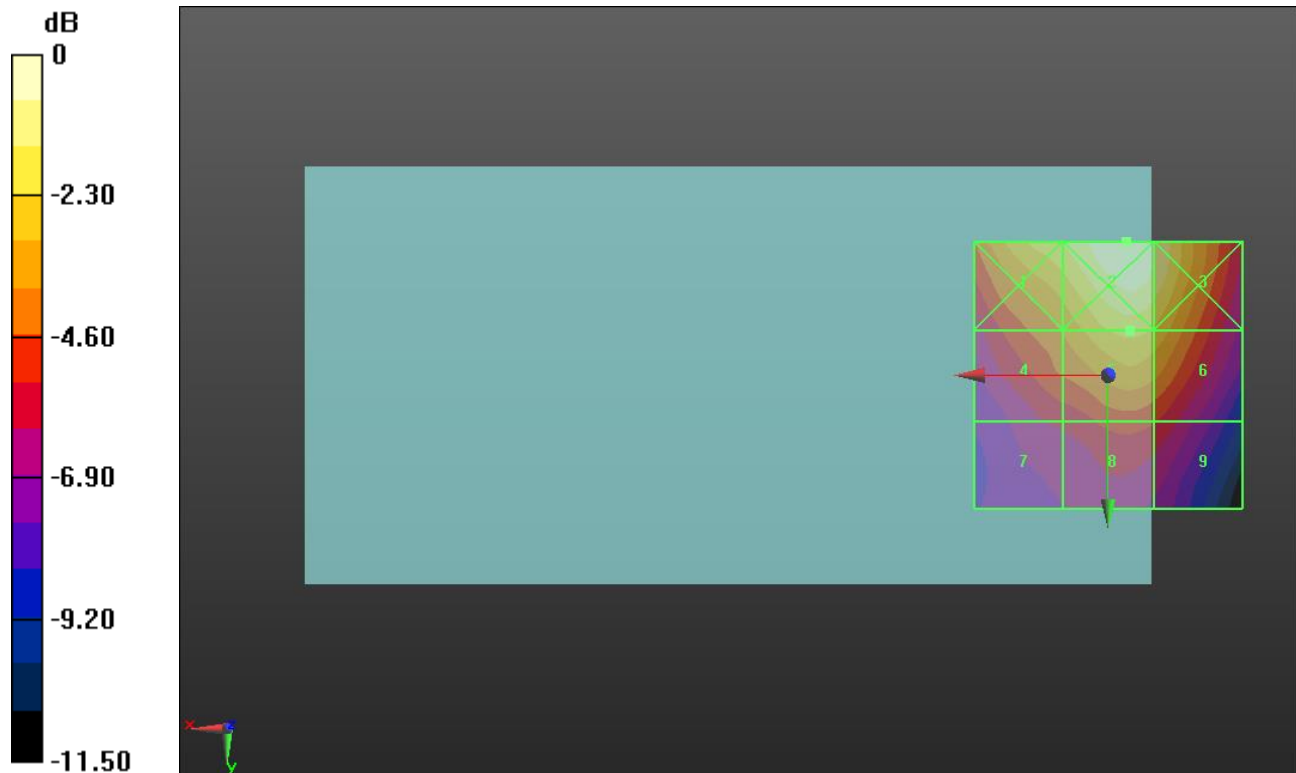
Applied MIF = 3.26 dB

RF audio interference level = 29.61 dBV/m

Emission category: **M4**

MIF scaled E-field

Grid 1 M4 30.14 dBV/m	Grid 2 M4 31.62 dBV/m	Grid 3 M4 30.93 dBV/m
Grid 4 M4 27.91 dBV/m	Grid 5 M4 29.61 dBV/m	Grid 6 M4 29.22 dBV/m
Grid 7 M4 25.73 dBV/m	Grid 8 M4 26.67 dBV/m	Grid 9 M4 26.38 dBV/m



0 dB = 38.10 V/m = 31.62 dBV/m

HAC-RF Emission

Communication System: UID 10295 - AAB, CDMA2000, RC1, SO3, 1/8th Rate 25 fr.; Frequency: 820 MHz; Duty Cycle: 1:17.7419

Phantom section: RF Section

DASY5 Configuration:

- Probe: EF3DV3 - SN4041; ConvF(1, 1, 1) @ 820 MHz; Calibrated: 3/22/2019
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1352; Calibrated: 11/6/2018
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7450)

CDMA BC10 E-Field measurement/RC1_SO3_ch 560/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 = 24.95 V/m; Power Drift = 0.11 dB

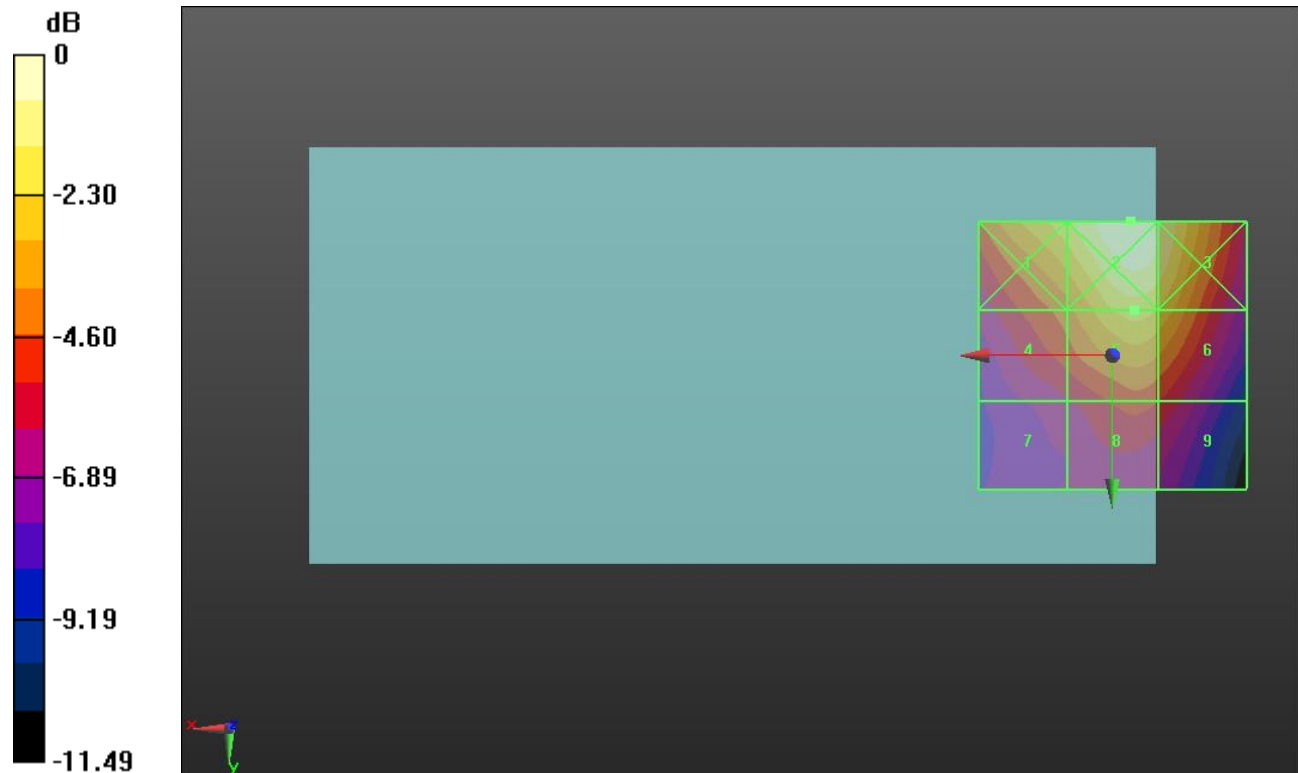
Applied MIF = 3.26 dB

RF audio interference level = 29.63 dBV/m

Emission category: **M4**

MIF scaled E-field

Grid 1 M4 29.88 dBV/m	Grid 2 M4 31.57 dBV/m	Grid 3 M4 30.95 dBV/m
Grid 4 M4 27.47 dBV/m	Grid 5 M4 29.63 dBV/m	Grid 6 M4 29.22 dBV/m
Grid 7 M4 25.39 dBV/m	Grid 8 M4 26.61 dBV/m	Grid 9 M4 26.26 dBV/m



0 dB = 37.90 V/m = 31.57 dBV/m

HAC-RF Emission

Communication System: UID 10295 - AAB, CDMA2000, RC1, SO3, 1/8th Rate 25 fr.; Frequency: 822.75 MHz; Duty Cycle: 1:17.7419

Phantom section: RF Section

DASY5 Configuration:

- Probe: EF3DV3 - SN4041; ConvF(1, 1, 1) @ 822.75 MHz; Calibrated: 3/22/2019
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1352; Calibrated: 11/6/2018
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7450)

CDMA BC10 E-Field measurement/RC1_SO3_ch 670/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 = 24.80 V/m; Power Drift = -0.08 dB

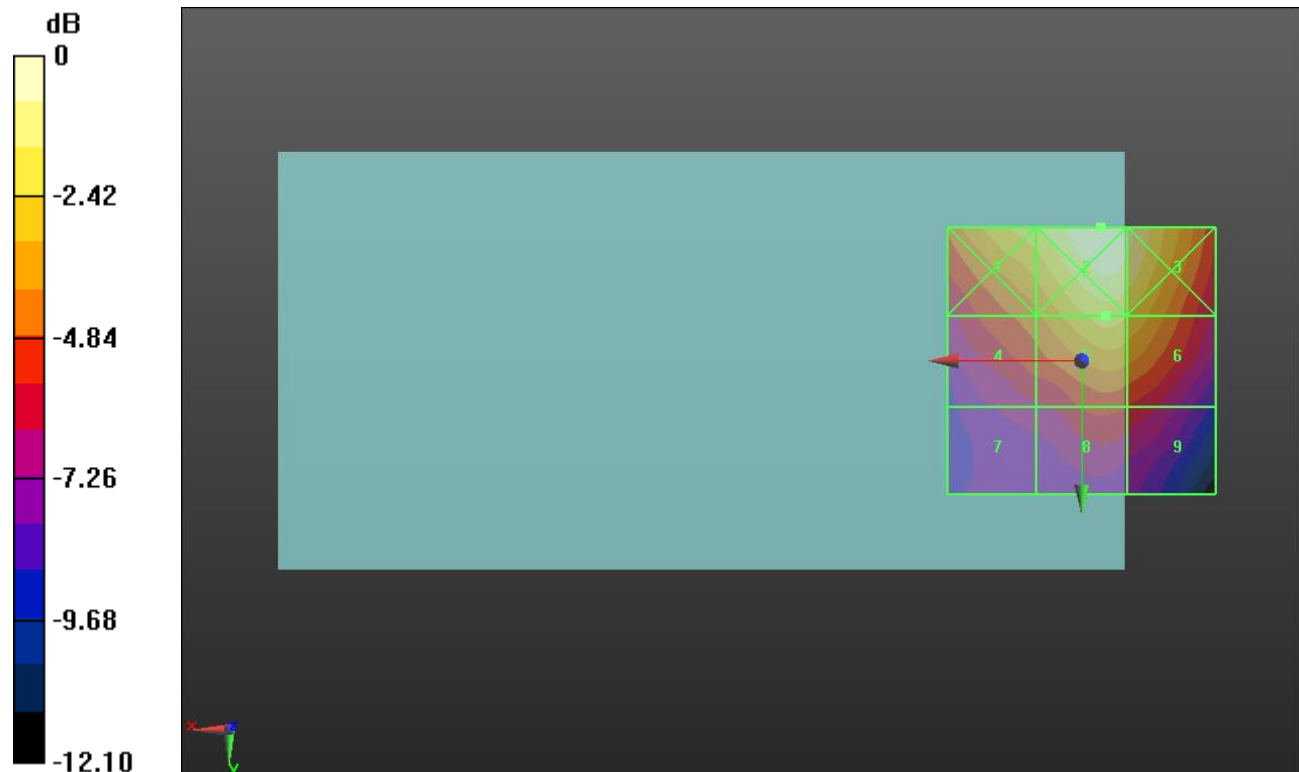
Applied MIF = 3.26 dB

RF audio interference level = 29.43 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 29.8 dBV/m	Grid 2 M4 31.48 dBV/m	Grid 3 M4 30.96 dBV/m
Grid 4 M4 27.29 dBV/m	Grid 5 M4 29.43 dBV/m	Grid 6 M4 29.1 dBV/m
Grid 7 M4 24.92 dBV/m	Grid 8 M4 26.16 dBV/m	Grid 9 M4 25.87 dBV/m



0 dB = 37.51 V/m = 31.48 dBV/m

HAC-RF Emission

Communication System: UID 10173 - CAC, 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: EF3DV3 - SN4041; ConvF(1, 1, 1); Calibrated: 3/22/2019;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1352; Calibrated: 11/6/2018
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.8 (8);SEMCAD X Version 14.6.10 (7331)

LTE Band 41 E-Field measurement/LTE TDD_16QAM_RB 1/49_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 = 64.66 V/m; Power Drift = -0.00 dB

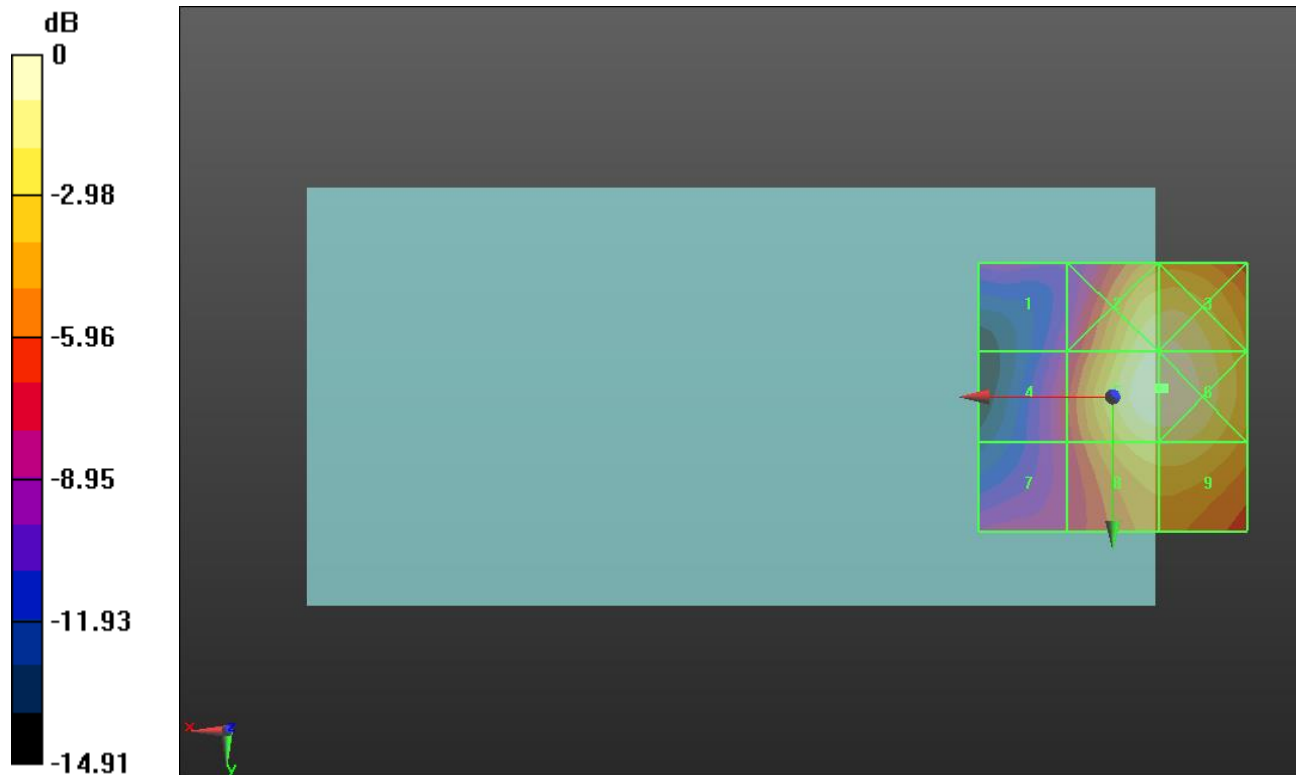
Applied MIF = -1.44 dB

RF audio interference level = 30.54 dBV/m

Emission category: **M3**

MIF scaled E-field

Grid 1 M4 22 dBV/m	Grid 2 M4 29.8 dBV/m	Grid 3 M4 29.87 dBV/m
Grid 4 M4 23.45 dBV/m	Grid 5 M3 30.54 dBV/m	Grid 6 M3 30.55 dBV/m
Grid 7 M4 22.97 dBV/m	Grid 8 M4 28.66 dBV/m	Grid 9 M4 28.69 dBV/m



0 dB = 33.70 V/m = 30.55 dBV/m

HAC-RF Emission

Communication System: UID 10173 - CAC, 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: EF3DV3 - SN4041; ConvF(1, 1, 1); Calibrated: 3/22/2019;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1352; Calibrated: 11/6/2018
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.8 (8);SEMCAD X Version 14.6.10 (7331)

LTE Band 41 E-Field measurement/LTE TDD_16QAM_RB 1/49_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 = 72.71 V/m; Power Drift = -0.03 dB

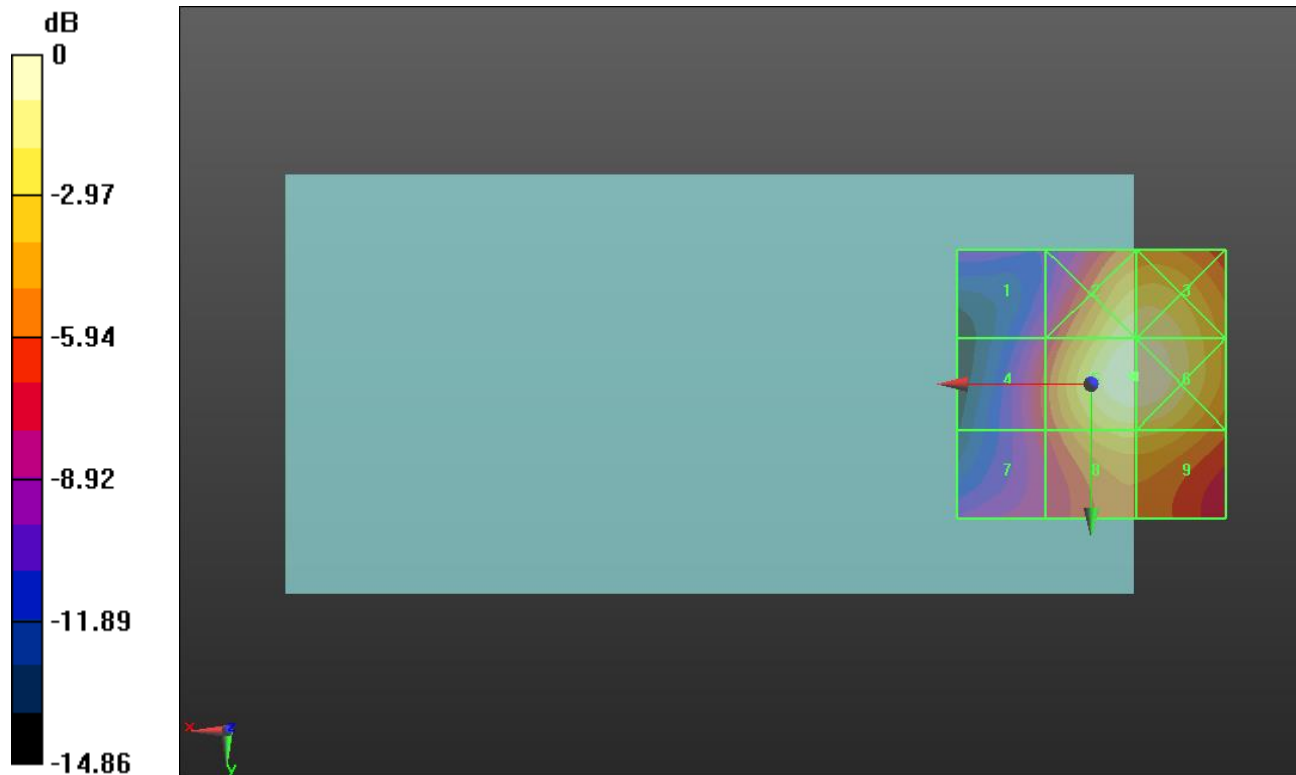
Applied MIF = -1.44 dB

RF audio interference level = 30.75 dBV/m

Emission category: **M3**

MIF scaled E-field

Grid 1 M4 22.63 dBV/m	Grid 2 M4 29.83 dBV/m	Grid 3 M4 29.86 dBV/m
Grid 4 M4 24.39 dBV/m	Grid 5 M3 30.75 dBV/m	Grid 6 M3 30.75 dBV/m
Grid 7 M4 23.75 dBV/m	Grid 8 M4 28.29 dBV/m	Grid 9 M4 28.28 dBV/m



0 dB = 34.48 V/m = 30.75 dBV/m

HAC-RF Emission

Communication System: UID 10173 - CAC, 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: EF3DV3 - SN4041; ConvF(1, 1, 1); Calibrated: 3/22/2019;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1352; Calibrated: 11/6/2018
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.8 (8);SEMCAD X Version 14.6.10 (7331)

LTE Band 41 E-Field measurement/LTE TDD_16QAM_RB 1/49_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 = 78.59 V/m; Power Drift = -0.00 dB

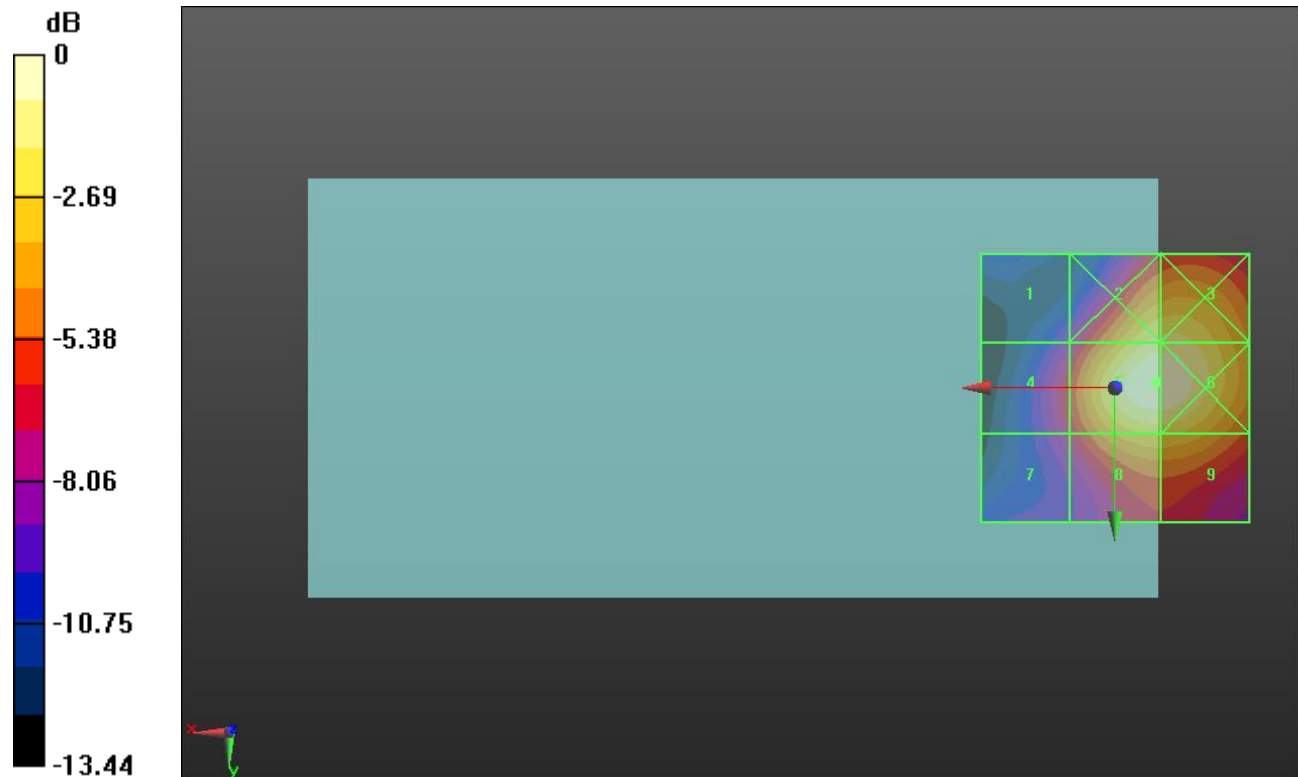
Applied MIF = -1.44 dB

RF audio interference level = 30.78 dBV/m

Emission category: **M3**

MIF scaled E-field

Grid 1 M4 22.39 dBV/m	Grid 2 M4 29.36 dBV/m	Grid 3 M4 29.42 dBV/m
Grid 4 M4 24.59 dBV/m	Grid 5 M3 30.78 dBV/m	Grid 6 M3 30.76 dBV/m
Grid 7 M4 23.62 dBV/m	Grid 8 M4 28.21 dBV/m	Grid 9 M4 28.2 dBV/m



0 dB = 34.60 V/m = 30.78 dBV/m

HAC-RF Emission

Communication System: UID 10173 - CAC, 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: EF3DV3 - SN4041; ConvF(1, 1, 1); Calibrated: 3/22/2019;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1352; Calibrated: 11/6/2018
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

LTE Band 41 E-Field measurement/LTE TDD_16QAM_RB 1/49_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 = 82.19 V/m; Power Drift = -0.00 dB

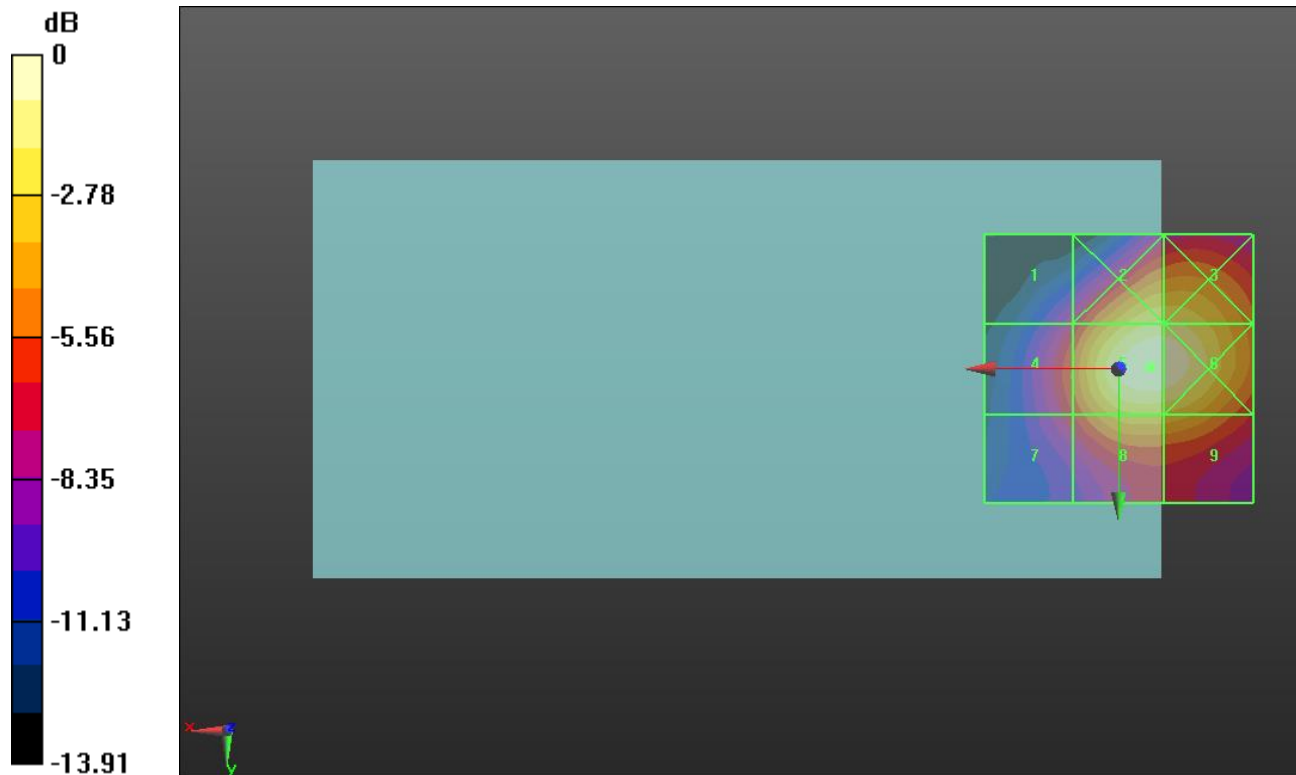
Applied MIF = -1.44 dB

RF audio interference level = 30.58 dBV/m

Emission category: **M3**

MIF scaled E-field

Grid 1 M4 23.17 dBV/m	Grid 2 M4 28.92 dBV/m	Grid 3 M4 28.92 dBV/m
Grid 4 M4 25.25 dBV/m	Grid 5 M3 30.58 dBV/m	Grid 6 M3 30.43 dBV/m
Grid 7 M4 24.06 dBV/m	Grid 8 M4 27.72 dBV/m	Grid 9 M4 27.61 dBV/m



0 dB = 33.81 V/m = 30.58 dBV/m

HAC-RF Emission

Communication System: UID 10173 - CAC, 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: EF3DV3 - SN4041; ConvF(1, 1, 1); Calibrated: 3/22/2019;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1352; Calibrated: 11/6/2018
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.8 (8);SEMCAD X Version 14.6.10 (7331)

LTE Band 41 E-Field measurement/LTE TDD_16QAM_RB 1/49_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 = 85.77 V/m; Power Drift = -0.02 dB

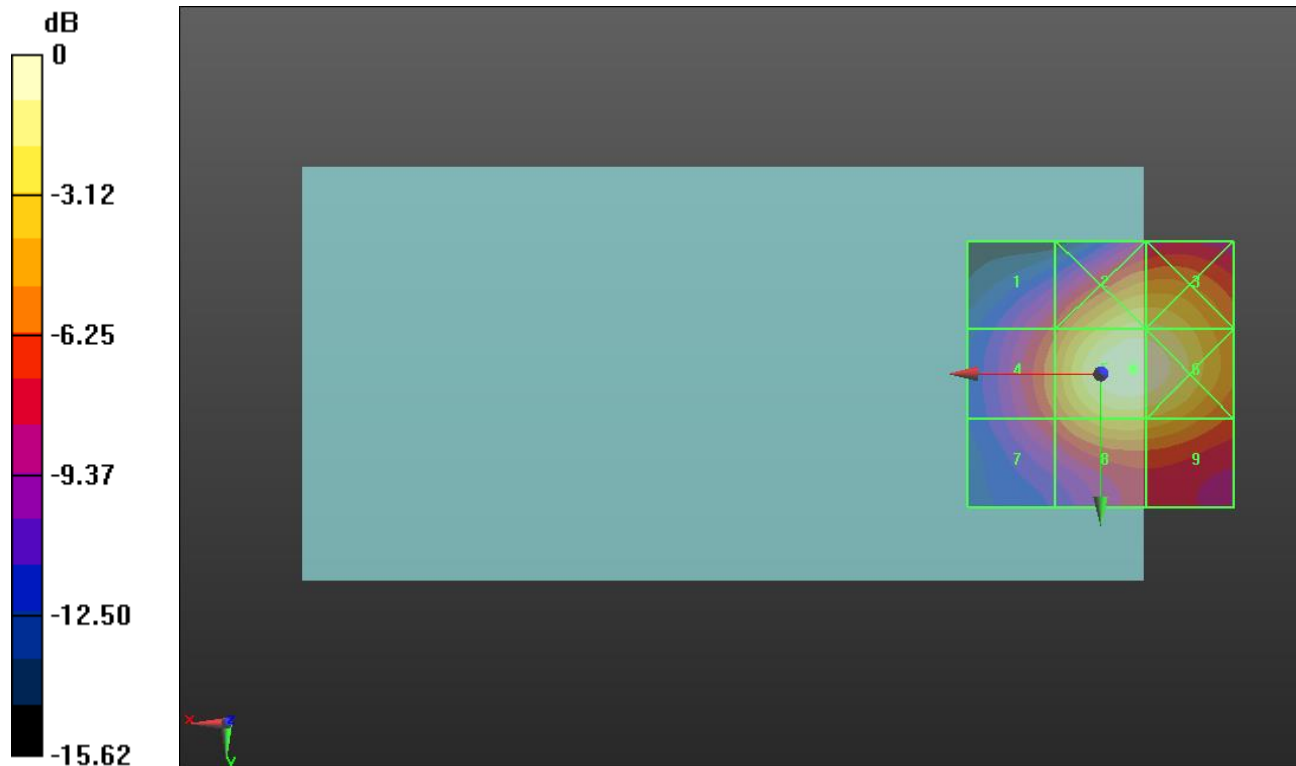
Applied MIF = -1.44 dB

RF audio interference level = 30.94 dBV/m

Emission category: **M3**

MIF scaled E-field

Grid 1 M4 24.23 dBV/m	Grid 2 M4 29.33 dBV/m	Grid 3 M4 29.28 dBV/m
Grid 4 M4 25.94 dBV/m	Grid 5 M3 30.94 dBV/m	Grid 6 M3 30.77 dBV/m
Grid 7 M4 24.42 dBV/m	Grid 8 M4 27.9 dBV/m	Grid 9 M4 27.7 dBV/m



0 dB = 35.25 V/m = 30.94 dBV/m

HAC-RF Emission

Communication System: UID 10021 - DAC, GSM-FDD (TDMA, GMSK); Frequency: 1850.2 MHz; Duty Cycle: 1:8.6896

Phantom section: RF Section

DASY5 Configuration:

- Probe: EF3DV3 - SN4041; ConvF(1, 1, 1); Calibrated: 3/22/2019;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1352; Calibrated: 11/6/2018
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

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 = 24.49 V/m; Power Drift = 0.17 dB

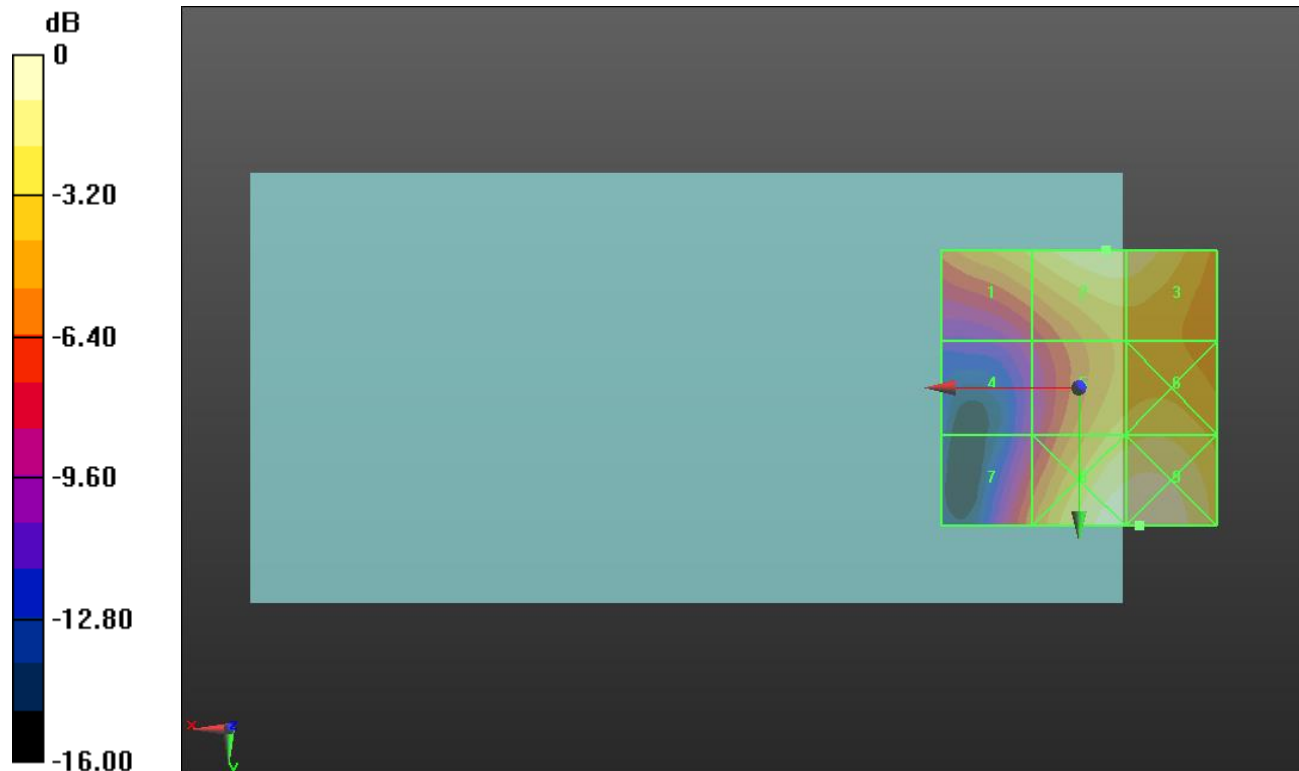
Applied MIF = 3.63 dB

RF audio interference level = 33.50 dBV/m

Emission category: M3

MIF scaled E-field

Grid 1 M3 31.73 dBV/m	Grid 2 M3 33.5 dBV/m	Grid 3 M3 33.36 dBV/m
Grid 4 M4 26.17 dBV/m	Grid 5 M3 31.94 dBV/m	Grid 6 M3 32.33 dBV/m
Grid 7 M4 29.02 dBV/m	Grid 8 M3 34.39 dBV/m	Grid 9 M3 34.5 dBV/m



0 dB = 53.09 V/m = 34.50 dBV/m

HAC-RF Emission

Communication System: UID 10021 - DAC, GSM-FDD (TDMA, GMSK); Frequency: 1880 MHz; Duty Cycle: 1:8.6896

Phantom section: RF Section

DASY5 Configuration:

- Probe: EF3DV3 - SN4041; ConvF(1, 1, 1); Calibrated: 3/22/2019;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1352; Calibrated: 11/6/2018
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.8 (8);SEMCAD X Version 14.6.10 (7331)

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 = 27.88 V/m; Power Drift = -0.11 dB

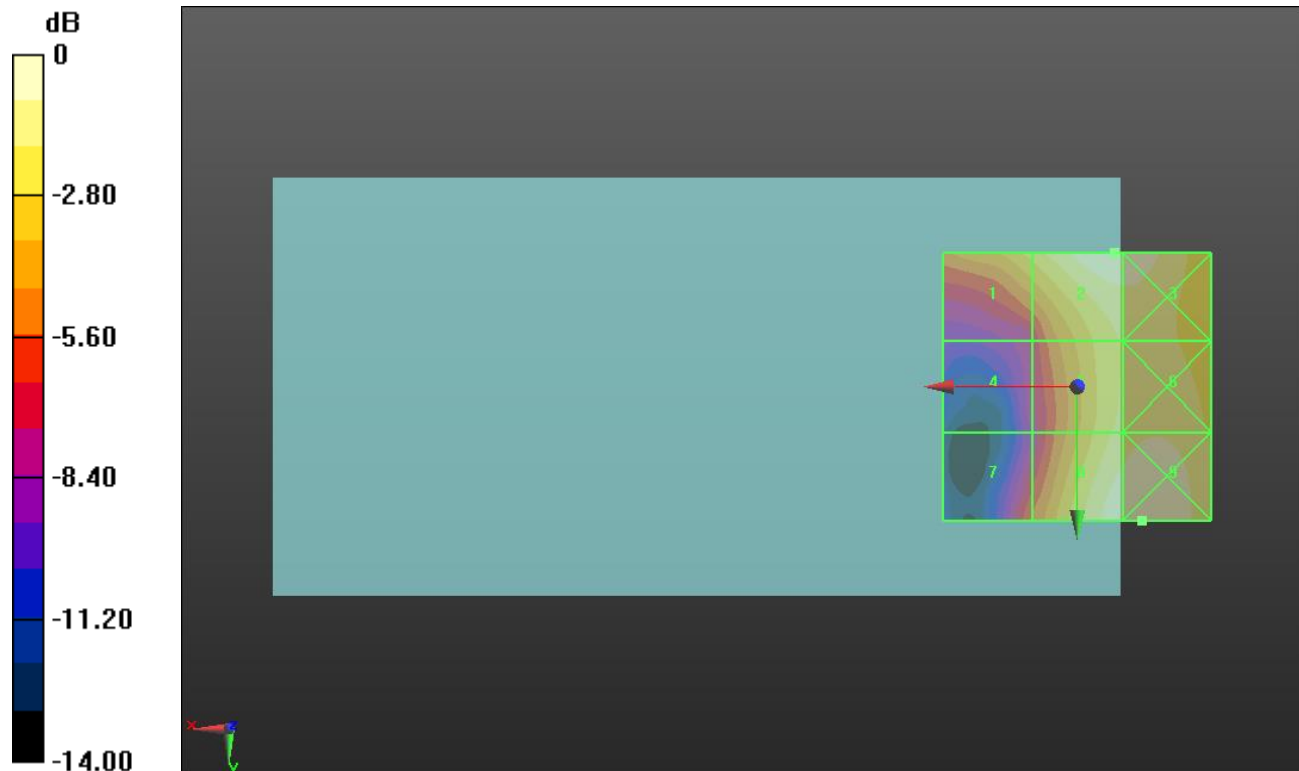
Applied MIF = 3.63 dB

RF audio interference level = 33.32 dBV/m

Emission category: M3

MIF scaled E-field

Grid 1 M3 30.99 dBV/m	Grid 2 M3 33.32 dBV/m	Grid 3 M3 33.28 dBV/m
Grid 4 M4 26.14 dBV/m	Grid 5 M3 31.95 dBV/m	Grid 6 M3 32.41 dBV/m
Grid 7 M4 27.99 dBV/m	Grid 8 M3 33.2 dBV/m	Grid 9 M3 33.41 dBV/m



0 dB = 46.81 V/m = 33.41 dBV/m

HAC-RF Emission

Communication System: UID 10021 - DAC, GSM-FDD (TDMA, GMSK); Frequency: 1909.8 MHz; Duty Cycle: 1:8.6896

Phantom section: RF Section

DASY5 Configuration:

- Probe: EF3DV3 - SN4041; ConvF(1, 1, 1); Calibrated: 3/22/2019;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1352; Calibrated: 11/6/2018
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

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 = 22.96 V/m; Power Drift = 0.22 dB

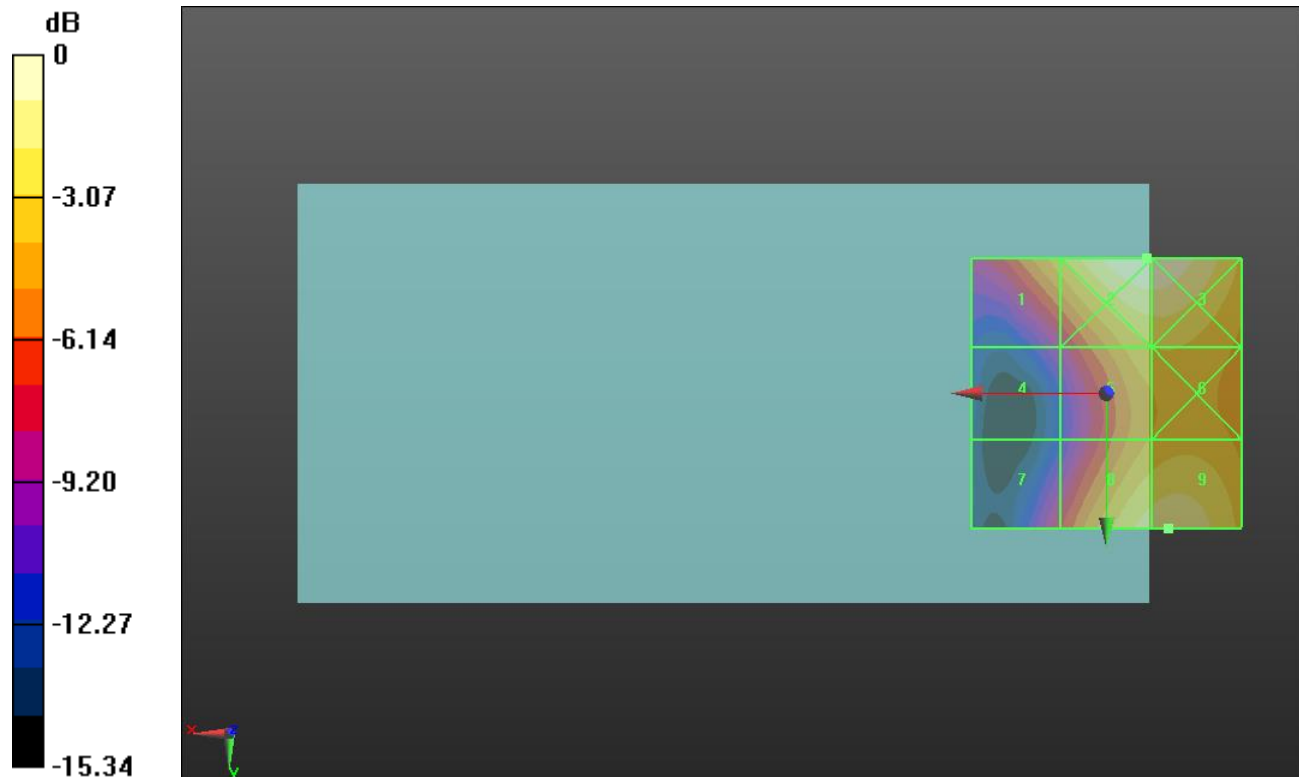
Applied MIF = 3.63 dB

RF audio interference level = 33.14 dBV/m

Emission category: M3

MIF scaled E-field

Grid 1 M3 31.21 dBV/m	Grid 2 M3 34.46 dBV/m	Grid 3 M3 34.45 dBV/m
Grid 4 M4 25.73 dBV/m	Grid 5 M3 31.35 dBV/m	Grid 6 M3 31.48 dBV/m
Grid 7 M4 27.2 dBV/m	Grid 8 M3 32.96 dBV/m	Grid 9 M3 33.14 dBV/m



0 dB = 52.86 V/m = 34.46 dBV/m

HAC-RF Emission

Communication System: UID 10173 - CAC, 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: EF3DV3 - SN4041; ConvF(1, 1, 1); Calibrated: 3/22/2019;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1352; Calibrated: 11/6/2018
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.8 (8);SEMCAD X Version 14.6.10 (7331)

LTE Band 41 E-Field measurement/LTE TDD_16QAM_RB 1/49_ch 39750/Hearing Aid Compatibility Test (101x101x1):

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 17.04 V/m; Power Drift = 0.17 dB

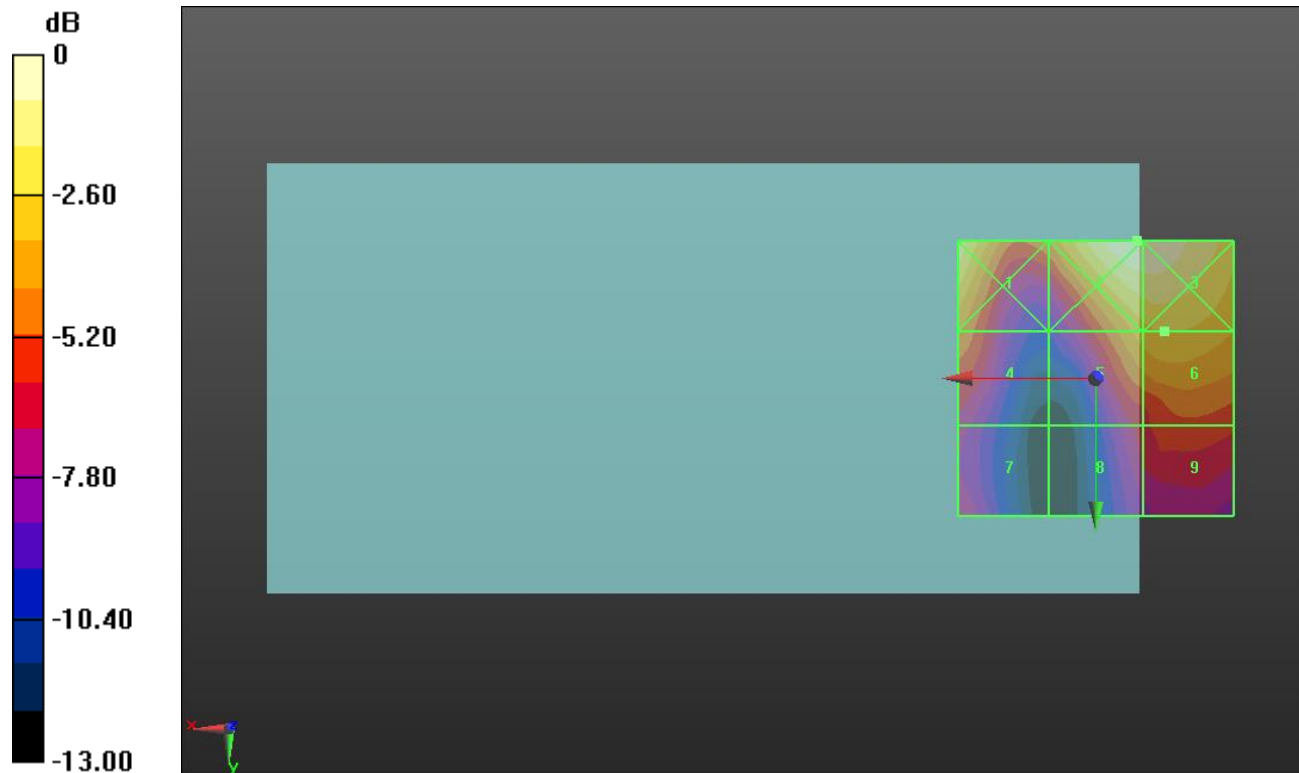
Applied MIF = -1.44 dB

RF audio interference level = 26.77 dBV/m

Emission category: **M4**

MIF scaled E-field

Grid 1 M4 28.3 dBV/m	Grid 2 M4 29.31 dBV/m	Grid 3 M4 29.3 dBV/m
Grid 4 M4 25.11 dBV/m	Grid 5 M4 26.34 dBV/m	Grid 6 M4 26.77 dBV/m
Grid 7 M4 22.55 dBV/m	Grid 8 M4 22.95 dBV/m	Grid 9 M4 23.91 dBV/m



0 dB = 29.20 V/m = 29.31 dBV/m

HAC-RF Emission

Communication System: UID 10173 - CAC, 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: EF3DV3 - SN4041; ConvF(1, 1, 1); Calibrated: 3/22/2019;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1352; Calibrated: 11/6/2018
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.8 (8);SEMCAD X Version 14.6.10 (7331)

LTE Band 41 E-Field measurement/LTE TDD_16QAM_RB 1/49_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 = 13.16 V/m; Power Drift = -0.05 dB

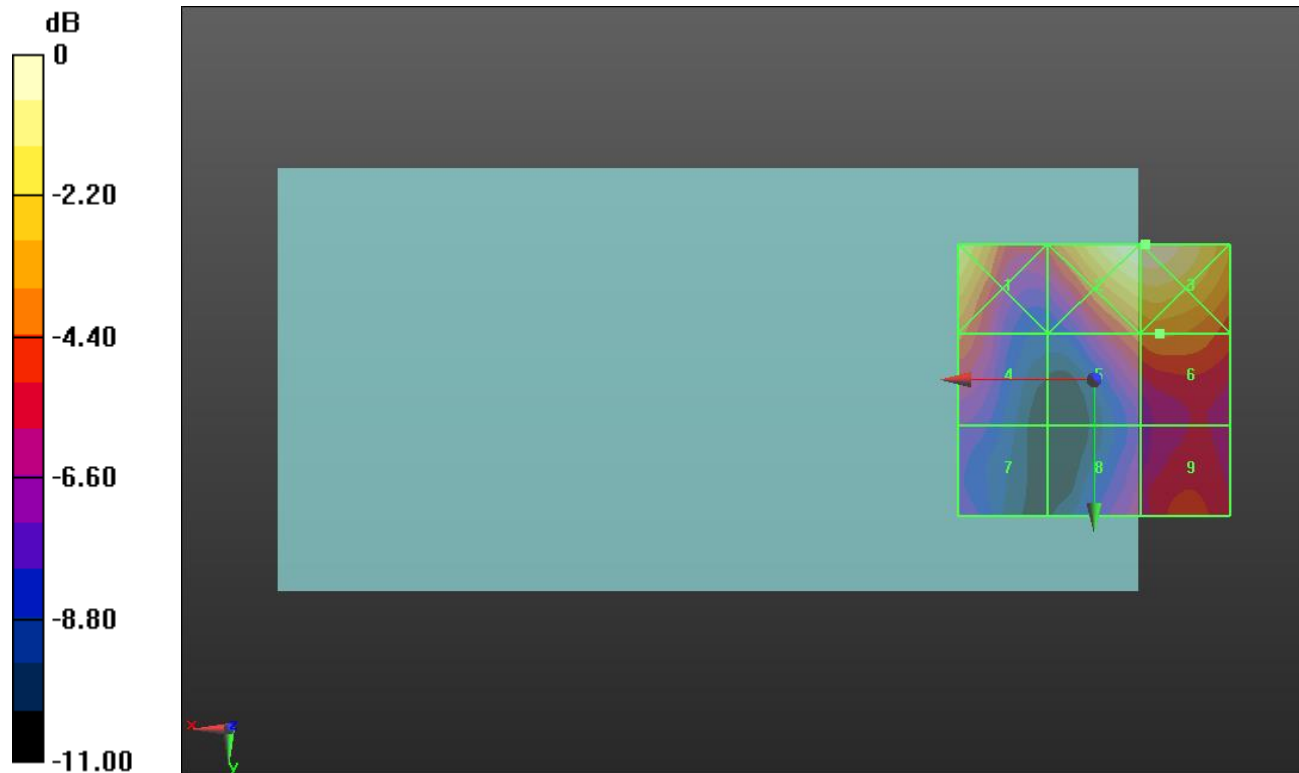
Applied MIF = -1.44 dB

RF audio interference level = 25.72 dBV/m

Emission category: **M4**

MIF scaled E-field

Grid 1 M4 28.33 dBV/m	Grid 2 M4 29.2 dBV/m	Grid 3 M4 29.22 dBV/m
Grid 4 M4 25.07 dBV/m	Grid 5 M4 25.31 dBV/m	Grid 6 M4 25.72 dBV/m
Grid 7 M4 22.09 dBV/m	Grid 8 M4 23.03 dBV/m	Grid 9 M4 24.43 dBV/m



0 dB = 28.90 V/m = 29.22 dBV/m

HAC-RF Emission

Communication System: UID 10173 - CAC, 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: EF3DV3 - SN4041; ConvF(1, 1, 1); Calibrated: 3/22/2019;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1352; Calibrated: 11/6/2018
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.8 (8);SEMCAD X Version 14.6.10 (7331)

LTE Band 41 E-Field measurement/LTE TDD_16QAM_RB 1/49_ch 40620/Hearing Aid Compatibility Test (101x101x1):

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 10.65 V/m; Power Drift = 0.13 dB

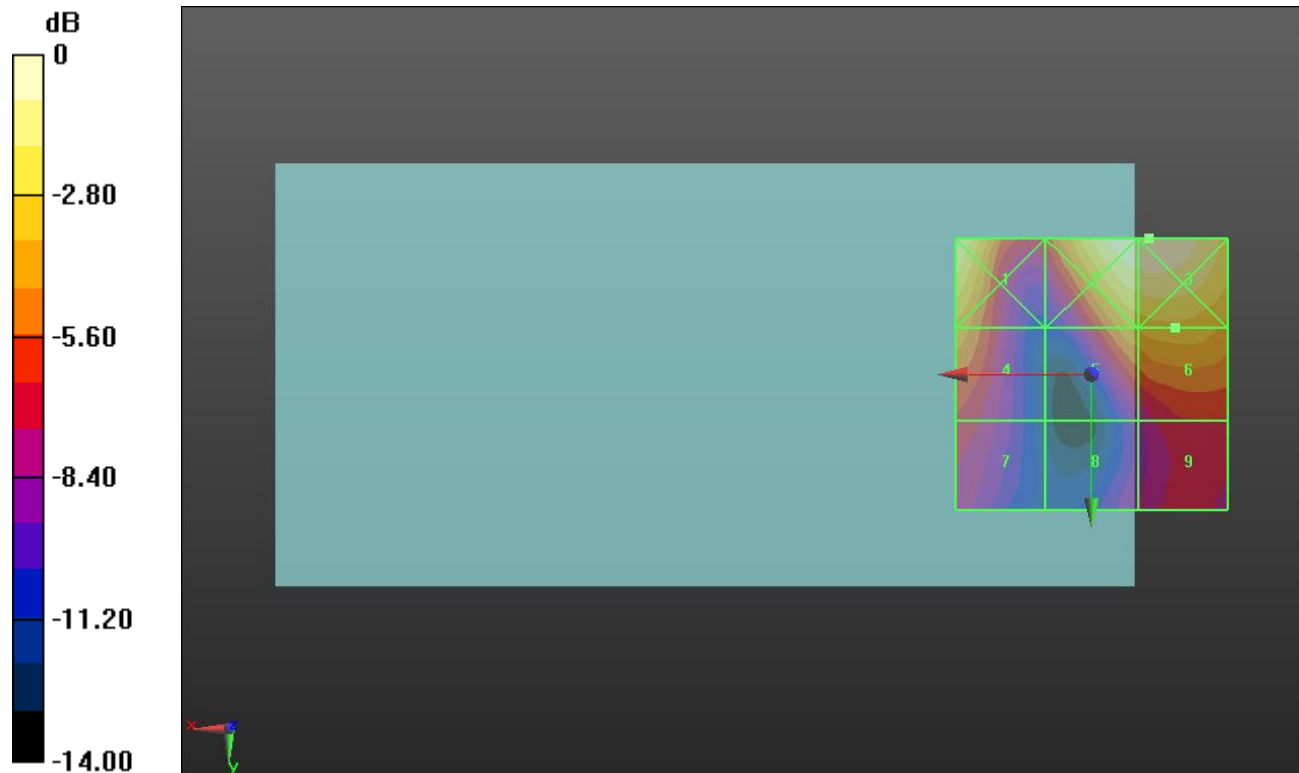
Applied MIF = -1.44 dB

RF audio interference level = 25.27 dBV/m

Emission category: **M4**

MIF scaled E-field

Grid 1 M4 27.98 dBV/m	Grid 2 M4 28.27 dBV/m	Grid 3 M4 28.33 dBV/m
Grid 4 M4 24.4 dBV/m	Grid 5 M4 24.74 dBV/m	Grid 6 M4 25.27 dBV/m
Grid 7 M4 21.7 dBV/m	Grid 8 M4 20.13 dBV/m	Grid 9 M4 21.82 dBV/m



0 dB = 26.09 V/m = 28.33 dBV/m

HAC-RF Emission

Communication System: UID 10173 - CAC, 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: EF3DV3 - SN4041; ConvF(1, 1, 1); Calibrated: 3/22/2019;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1352; Calibrated: 11/6/2018
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

LTE Band 41 E-Field measurement/LTE TDD_16QAM_RB 1/49_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 = 8.048 V/m; Power Drift = 0.15 dB

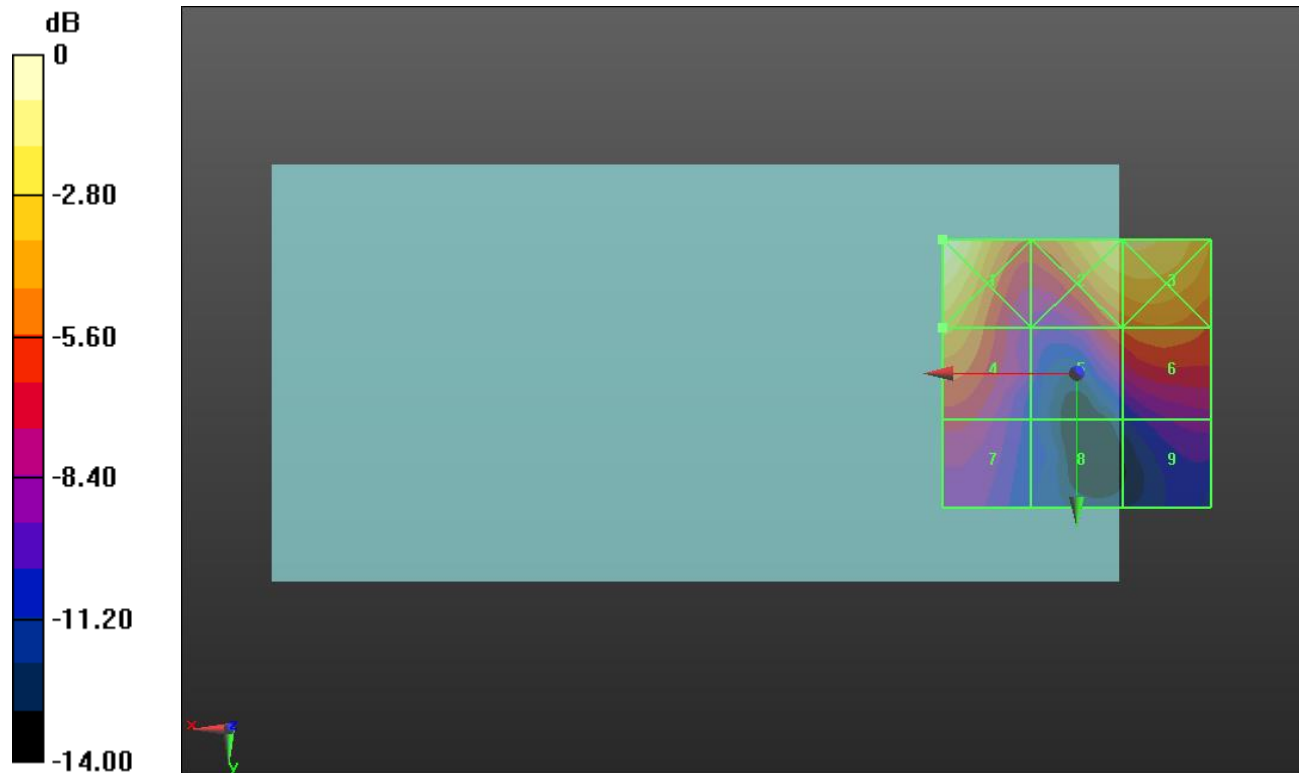
Applied MIF = -1.44 dB

RF audio interference level = 24.99 dBV/m

Emission category: **M4**

MIF scaled E-field

Grid 1 M4 28.34 dBV/m	Grid 2 M4 26.69 dBV/m	Grid 3 M4 26.77 dBV/m
Grid 4 M4 24.99 dBV/m	Grid 5 M4 22.91 dBV/m	Grid 6 M4 23.58 dBV/m
Grid 7 M4 21.36 dBV/m	Grid 8 M4 17.61 dBV/m	Grid 9 M4 19.59 dBV/m



0 dB = 26.14 V/m = 28.35 dBV/m

HAC-RF Emission

Communication System: UID 10173 - CAC, 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: EF3DV3 - SN4041; ConvF(1, 1, 1); Calibrated: 3/22/2019;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1352; Calibrated: 11/6/2018
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

LTE Band 41 E-Field measurement/LTE TDD_16QAM_RB 1/49_ch 41490/Hearing Aid Compatibility Test (101x101x1):

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 12.64 V/m; Power Drift = -0.00 dB

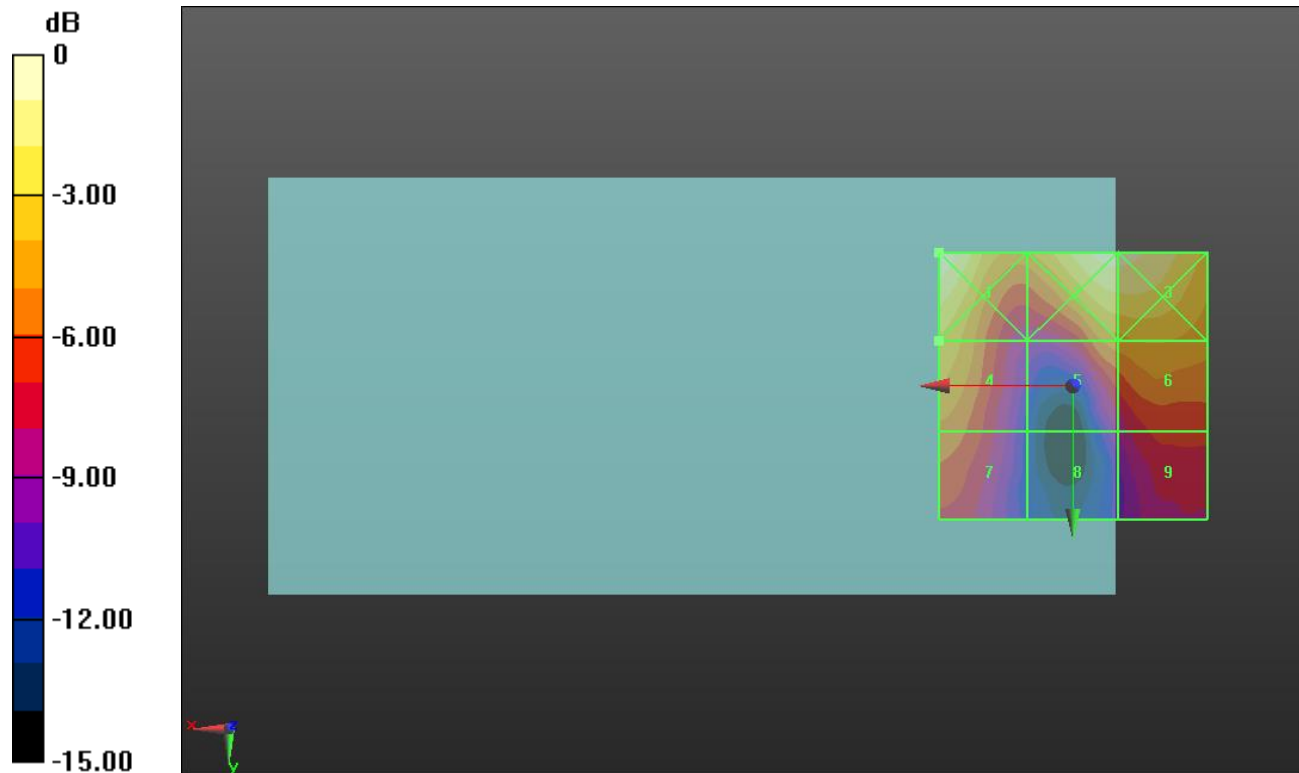
Applied MIF = -1.44 dB

RF audio interference level = 23.93 dBV/m

Emission category: **M4**

MIF scaled E-field

Grid 1 M4 27.03 dBV/m	Grid 2 M4 26.45 dBV/m	Grid 3 M4 26.39 dBV/m
Grid 4 M4 23.93 dBV/m	Grid 5 M4 22.68 dBV/m	Grid 6 M4 23.16 dBV/m
Grid 7 M4 21.78 dBV/m	Grid 8 M4 18.14 dBV/m	Grid 9 M4 20.39 dBV/m



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

HAC-RF Emission

Communication System: UID 10173 - CAC, 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: EF3DV3 - SN4041; ConvF(1, 1, 1); Calibrated: 3/22/2019;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1352; Calibrated: 11/6/2018
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

LTE Band 41 E-Field measurement 2/LTE TDD_16QAM_RB 1/49_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 = 28.87 V/m; Power Drift = 0.03 dB

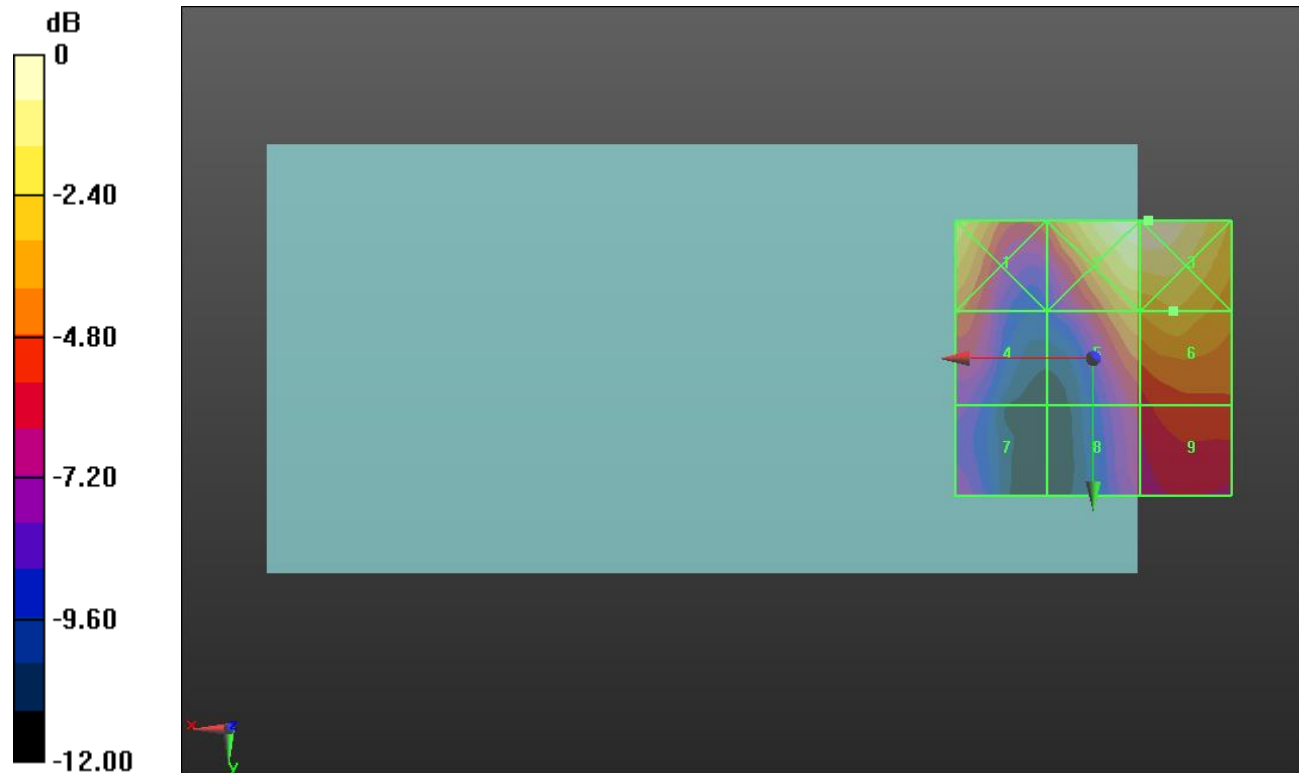
Applied MIF = -1.44 dB

RF audio interference level = 25.60 dBV/m

Emission category: **M4**

MIF scaled E-field

Grid 1 M4 26.62 dBV/m	Grid 2 M4 28.12 dBV/m	Grid 3 M4 28.15 dBV/m
Grid 4 M4 23.49 dBV/m	Grid 5 M4 25.03 dBV/m	Grid 6 M4 25.6 dBV/m
Grid 7 M4 21.07 dBV/m	Grid 8 M4 22.16 dBV/m	Grid 9 M4 23.14 dBV/m



0 dB = 25.56 V/m = 28.15 dBV/m

HAC-RF Emission

Communication System: UID 10173 - CAC, 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: EF3DV3 - SN4041; ConvF(1, 1, 1); Calibrated: 3/22/2019;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1352; Calibrated: 11/6/2018
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

LTE Band 41 E-Field measurement 2/LTE TDD_16QAM_RB 1/49_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 = 8.086 V/m; Power Drift = -0.02 dB

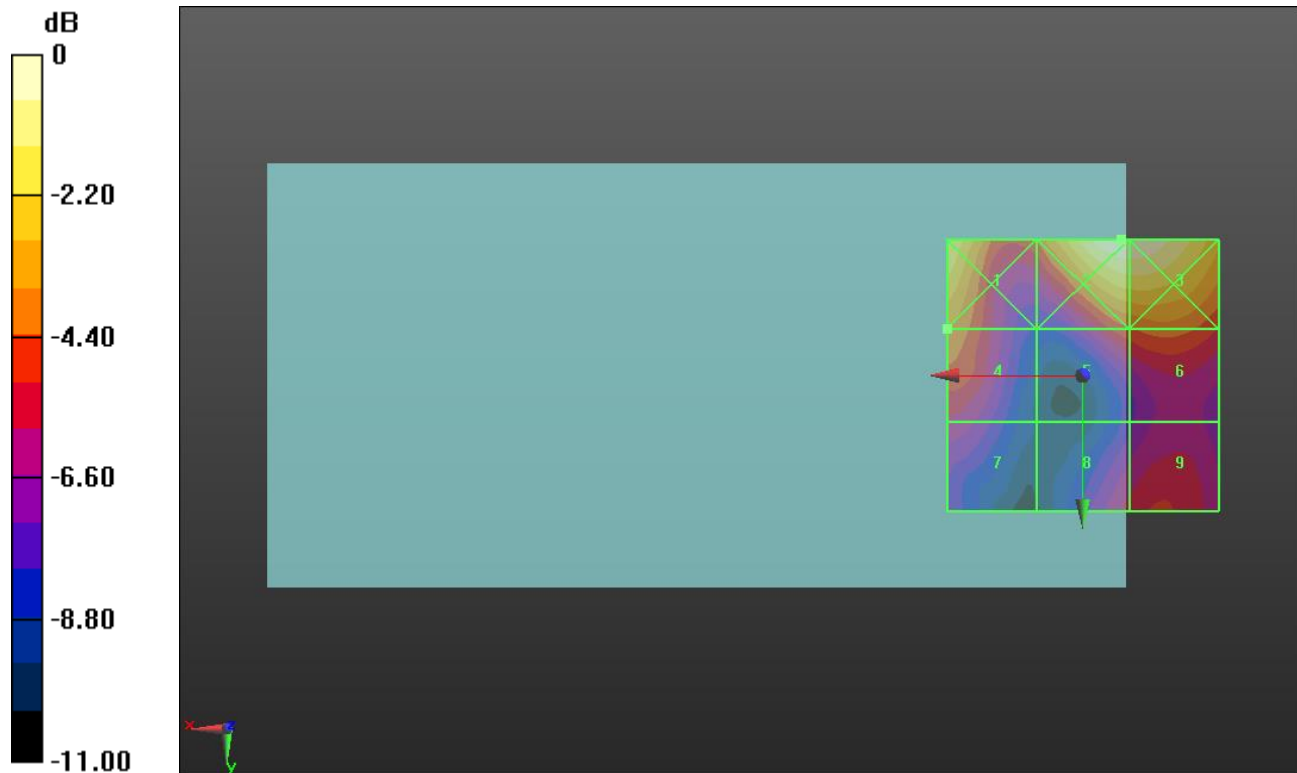
Applied MIF = -1.44 dB

RF audio interference level = 23.98 dBV/m

Emission category: **M4**

MIF scaled E-field

Grid 1 M4 26.54 dBV/m	Grid 2 M4 27.62 dBV/m	Grid 3 M4 27.61 dBV/m
Grid 4 M4 23.98 dBV/m	Grid 5 M4 23.1 dBV/m	Grid 6 M4 23.63 dBV/m
Grid 7 M4 21.7 dBV/m	Grid 8 M4 22.09 dBV/m	Grid 9 M4 22.6 dBV/m



0 dB = 24.06 V/m = 27.63 dBV/m

HAC-RF Emission

Communication System: UID 10173 - CAC, 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: EF3DV3 - SN4041; ConvF(1, 1, 1); Calibrated: 3/22/2019;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1352; Calibrated: 11/6/2018
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

LTE Band 41 E-Field measurement 2/LTE TDD_16QAM_RB 1/49_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 = 9.414 V/m; Power Drift = -0.01 dB

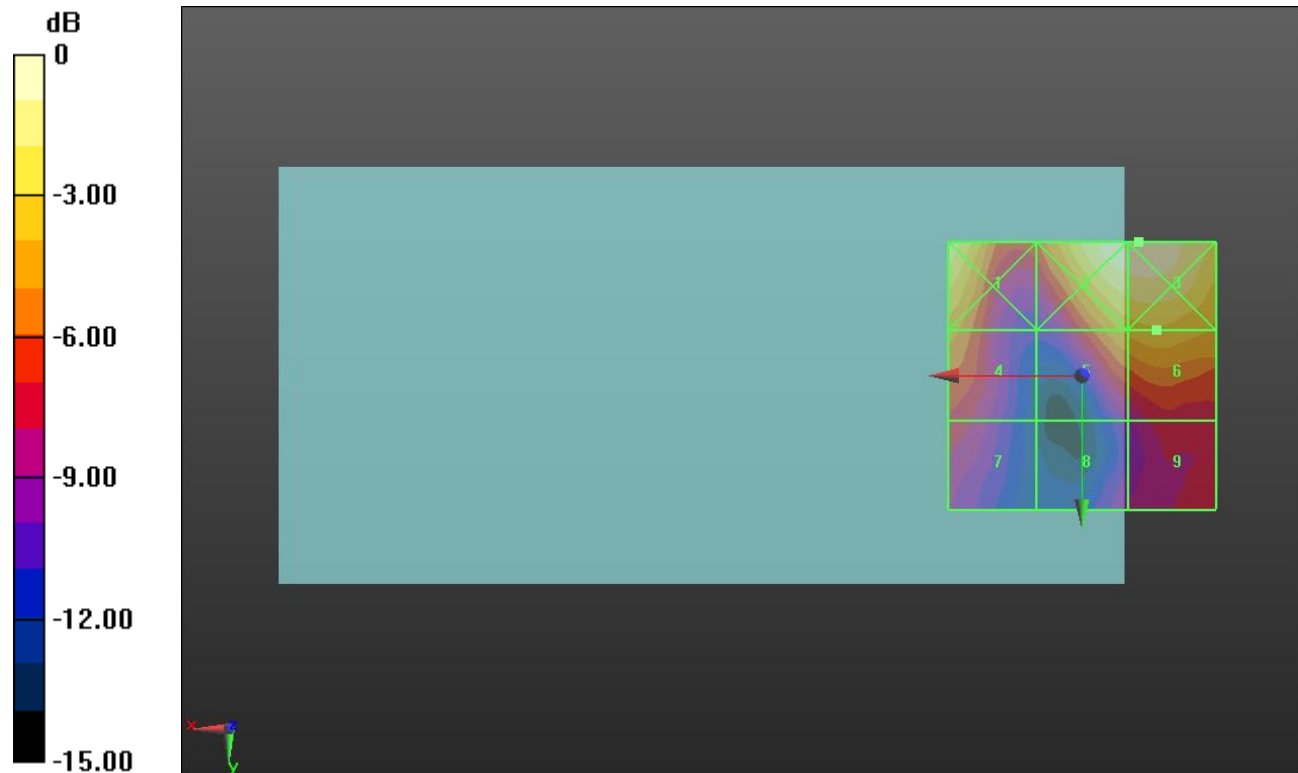
Applied MIF = -1.44 dB

RF audio interference level = 23.94 dBV/m

Emission category: **M4**

MIF scaled E-field

Grid 1 M4 26.13 dBV/m	Grid 2 M4 27.11 dBV/m	Grid 3 M4 27.15 dBV/m
Grid 4 M4 22.65 dBV/m	Grid 5 M4 23.43 dBV/m	Grid 6 M4 23.94 dBV/m
Grid 7 M4 19.79 dBV/m	Grid 8 M4 18.28 dBV/m	Grid 9 M4 19.96 dBV/m



0 dB = 22.77 V/m = 27.15 dBV/m

HAC-RF Emission

Communication System: UID 10173 - CAC, 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: EF3DV3 - SN4041; ConvF(1, 1, 1); Calibrated: 3/22/2019;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1352; Calibrated: 11/6/2018
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

LTE Band 41 E-Field measurement 2/LTE TDD_16QAM_RB 1/49_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 = 6.829 V/m; Power Drift = -0.04 dB

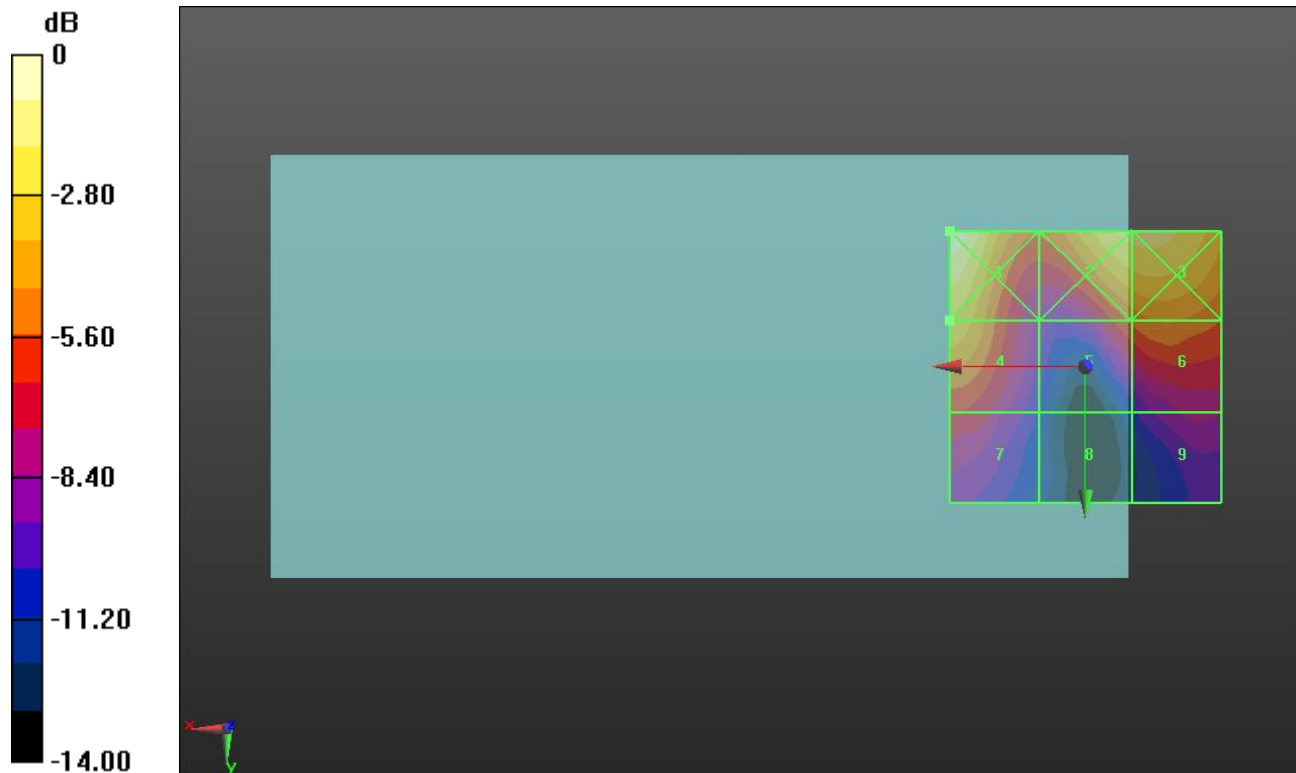
Applied MIF = -1.44 dB

RF audio interference level = 24.01 dBV/m

Emission category: **M4**

MIF scaled E-field

Grid 1 M4 26.86 dBV/m	Grid 2 M4 25.29 dBV/m	Grid 3 M4 25.38 dBV/m
Grid 4 M4 24.01 dBV/m	Grid 5 M4 21.5 dBV/m	Grid 6 M4 22.29 dBV/m
Grid 7 M4 20.41 dBV/m	Grid 8 M4 16.33 dBV/m	Grid 9 M4 18.78 dBV/m



0 dB = 22.02 V/m = 26.86 dBV/m

HAC-RF Emission

Communication System: UID 10173 - CAC, 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: EF3DV3 - SN4041; ConvF(1, 1, 1); Calibrated: 3/22/2019;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1352; Calibrated: 11/6/2018
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

LTE Band 41 E-Field measurement 2/LTE TDD_16QAM_RB 1/49_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 = 10.42 V/m; Power Drift = -0.17 dB

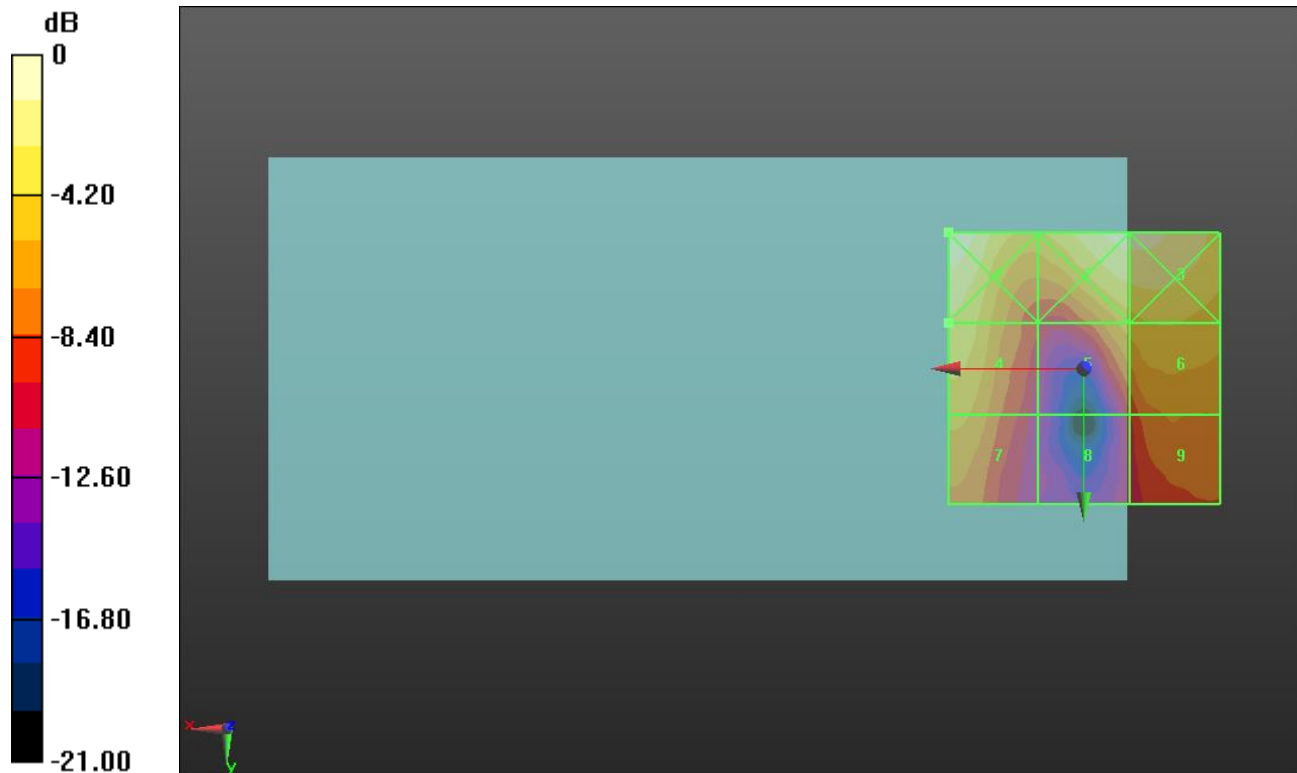
Applied MIF = -1.44 dB

RF audio interference level = 22.53 dBV/m

Emission category: **M4**

MIF scaled E-field

Grid 1 M4 25.5 dBV/m	Grid 2 M4 24.69 dBV/m	Grid 3 M4 24.69 dBV/m
Grid 4 M4 22.53 dBV/m	Grid 5 M4 20.7 dBV/m	Grid 6 M4 21.39 dBV/m
Grid 7 M4 20.36 dBV/m	Grid 8 M4 15.65 dBV/m	Grid 9 M4 18.67 dBV/m



0 dB = 18.84 V/m = 25.50 dBV/m

HAC-RF Emission

Communication System: UID 10173 - CAG, LTE-TDD (SC-FDMA, 1 RB, 20 MHz, 16-QAM); Frequency: 3560 MHz; Duty Cycle: 1:8.87156

Phantom section: RF Section

DASY5 Configuration:

- Probe: EF3DV3 - SN4041; ConvF(1, 1, 1); Calibrated: 3/22/2019;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1352; Calibrated: 11/6/2018
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

LTE Band 48 E-Field measurement/LTE TDD_16QAM_RB 1/49_ch 55340/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 = 5.560 V/m; Power Drift = 0.14 dB

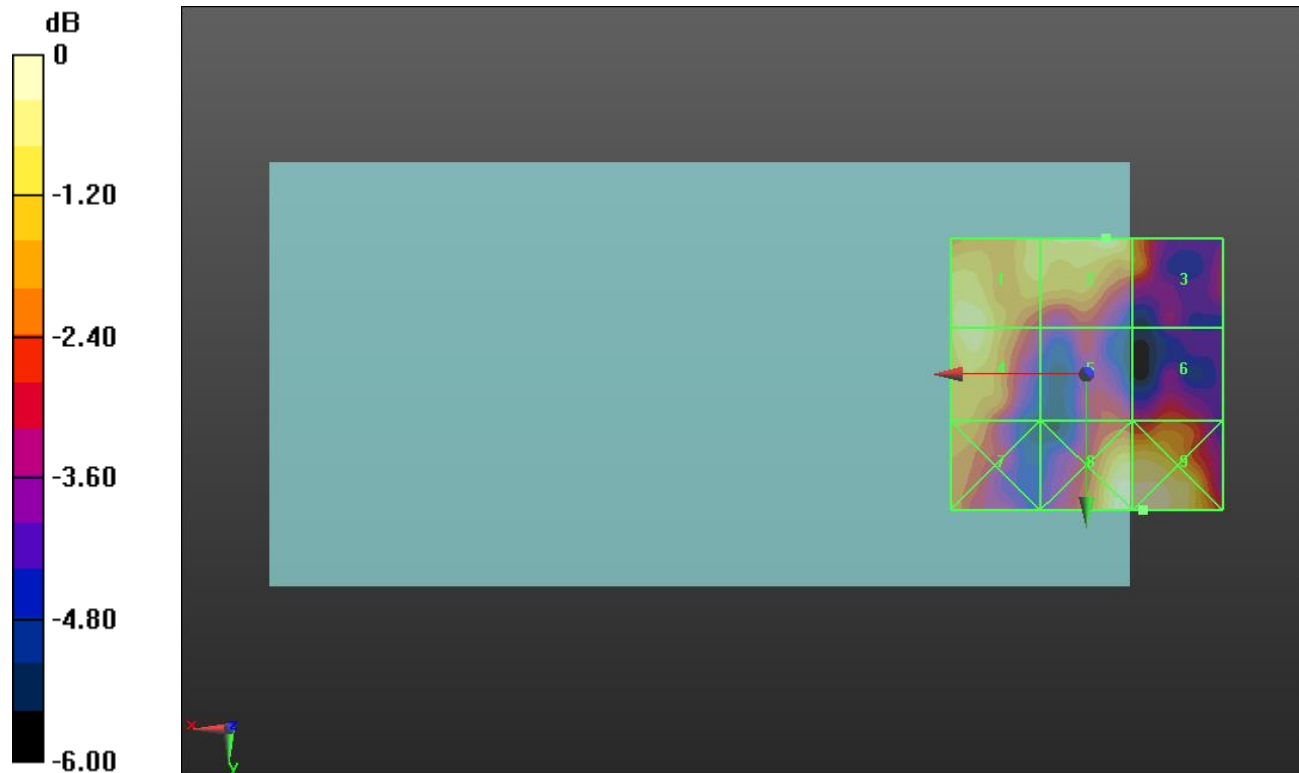
Applied MIF = -1.44 dB

RF audio interference level = 13.80 dBV/m

Emission category: **M4**

MIF scaled E-field

Grid 1 M4 13.57 dBV/m	Grid 2 M4 13.8 dBV/m	Grid 3 M4 12.58 dBV/m
Grid 4 M4 13.55 dBV/m	Grid 5 M4 11.4 dBV/m	Grid 6 M4 11.69 dBV/m
Grid 7 M4 12.6 dBV/m	Grid 8 M4 14.07 dBV/m	Grid 9 M4 14.11 dBV/m



0 dB = 5.078 V/m = 14.11 dBV/m

HAC-RF Emission

Communication System: UID 10173 - CAG, LTE-TDD (SC-FDMA, 1 RB, 20 MHz, 16-QAM); Frequency: 3603.3 MHz; Duty Cycle: 1:8.87156

Phantom section: RF Section

DASY5 Configuration:

- Probe: EF3DV3 - SN4041; ConvF(1, 1, 1); Calibrated: 3/22/2019;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1352; Calibrated: 11/6/2018
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

LTE Band 48 E-Field measurement/LTE TDD_16QAM_RB 1/49_ch 55773/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 = 7.919 V/m; Power Drift = 0.18 dB

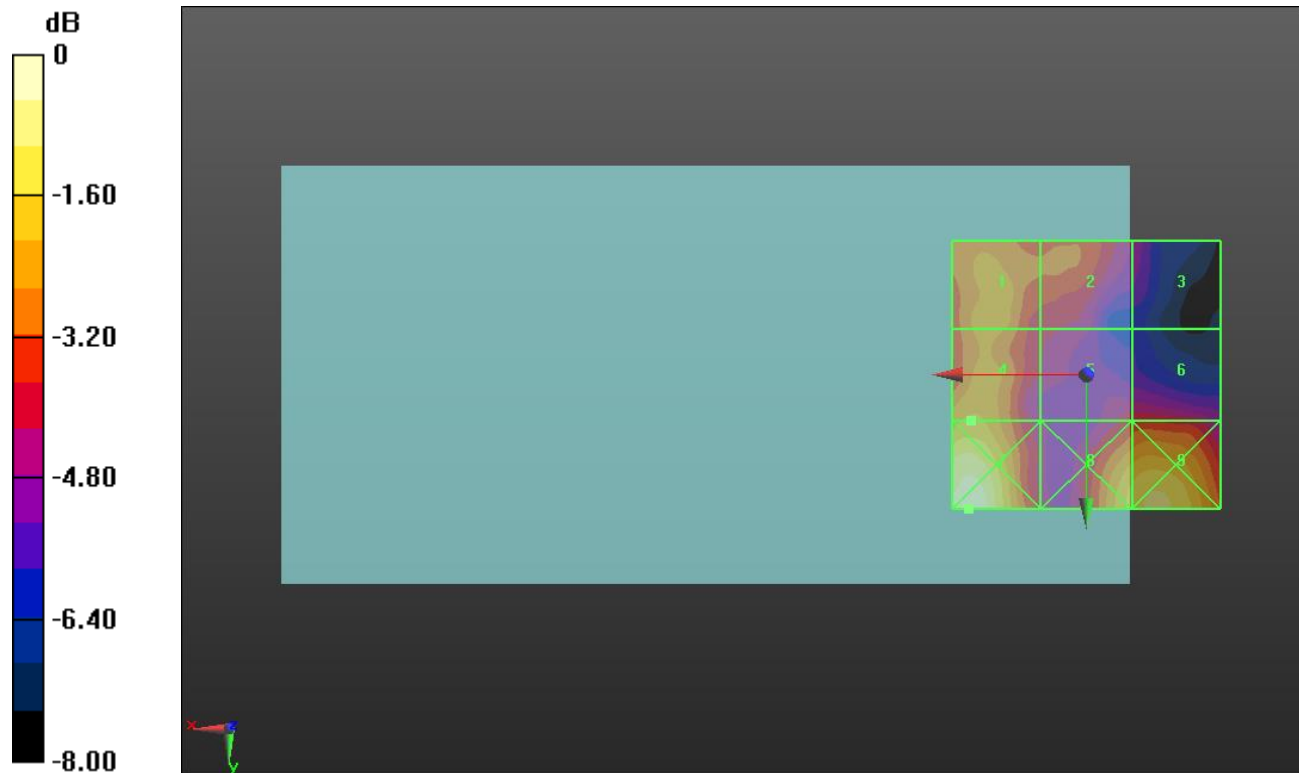
Applied MIF = -1.44 dB

RF audio interference level = 17.30 dBV/m

Emission category: **M4**

MIF scaled E-field

Grid 1 M4 17 dBV/m	Grid 2 M4 16.24 dBV/m	Grid 3 M4 14.53 dBV/m
Grid 4 M4 17.3 dBV/m	Grid 5 M4 15.49 dBV/m	Grid 6 M4 15.62 dBV/m
Grid 7 M4 19.32 dBV/m	Grid 8 M4 17.94 dBV/m	Grid 9 M4 18.37 dBV/m



0 dB = 9.244 V/m = 19.32 dBV/m

HAC-RF Emission

Communication System: UID 10173 - CAG, LTE-TDD (SC-FDMA, 1 RB, 20 MHz, 16-QAM); Frequency: 3646.7 MHz; Duty Cycle: 1:8.87156

Phantom section: RF Section

DASY5 Configuration:

- Probe: EF3DV3 - SN4041; ConvF(1, 1, 1); Calibrated: 3/22/2019;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1352; Calibrated: 11/6/2018
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

LTE Band 48 E-Field measurement/LTE TDD_16QAM_RB 1/49_ch 56207/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 = 5.971 V/m; Power Drift = 0.06 dB

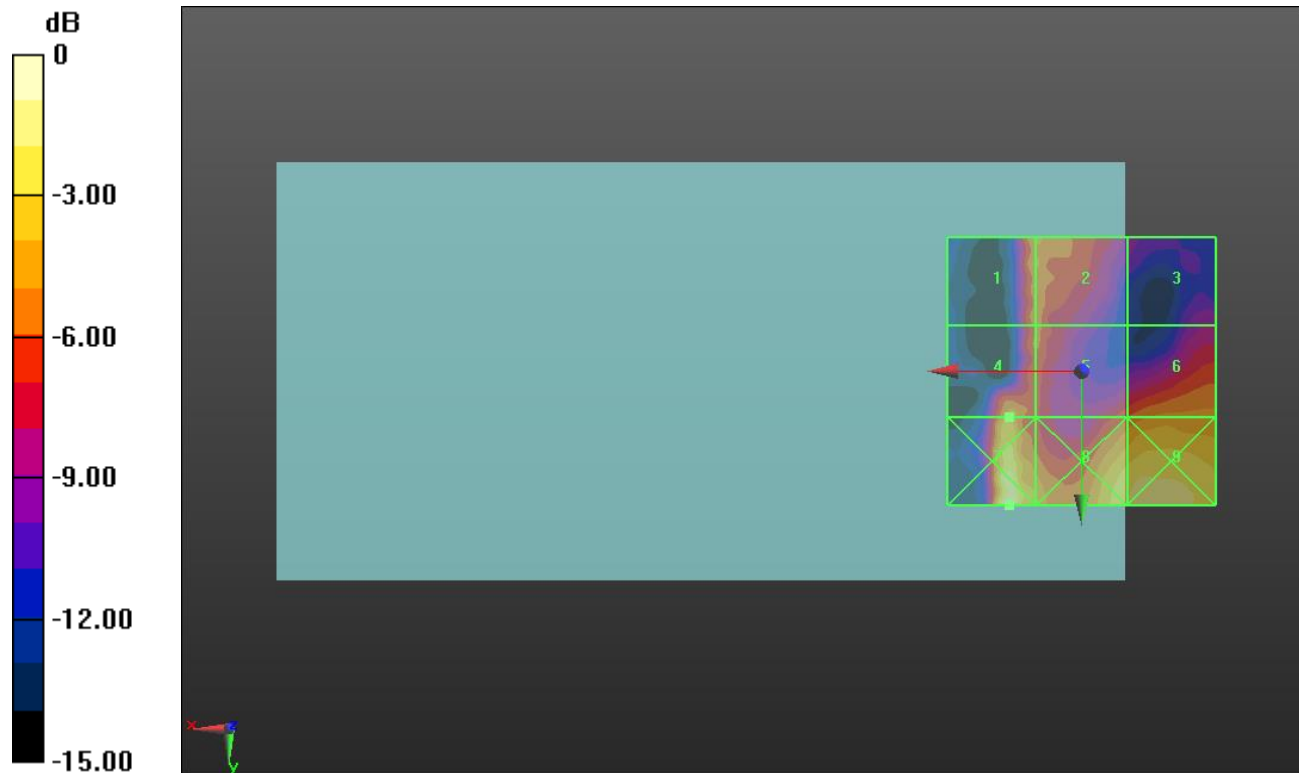
Applied MIF = -1.44 dB

RF audio interference level = 15.93 dBV/m

Emission category: **M4**

MIF scaled E-field

Grid 1 M4 15.55 dBV/m	Grid 2 M4 15.55 dBV/m	Grid 3 M4 11.34 dBV/m
Grid 4 M4 15.93 dBV/m	Grid 5 M4 14.42 dBV/m	Grid 6 M4 15.52 dBV/m
Grid 7 M4 20.16 dBV/m	Grid 8 M4 18.12 dBV/m	Grid 9 M4 18.6 dBV/m



0 dB = 10.18 V/m = 20.15 dBV/m

HAC-RF Emission

Communication System: UID 10173 - CAG, LTE-TDD (SC-FDMA, 1 RB, 20 MHz, 16-QAM); Frequency: 3690 MHz; Duty Cycle: 1:8.87156

Phantom section: RF Section

DASY5 Configuration:

- Probe: EF3DV3 - SN4041; ConvF(1, 1, 1); Calibrated: 3/22/2019;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1352; Calibrated: 11/6/2018
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.8 (8);SEMCAD X Version 14.6.10 (7331)

LTE Band 48 E-Field measurement/LTE TDD_16QAM_RB 1/49_ch 56640/Hearing Aid Compatibility Test (101x101x1):

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 3.607 V/m; Power Drift = -0.08 dB

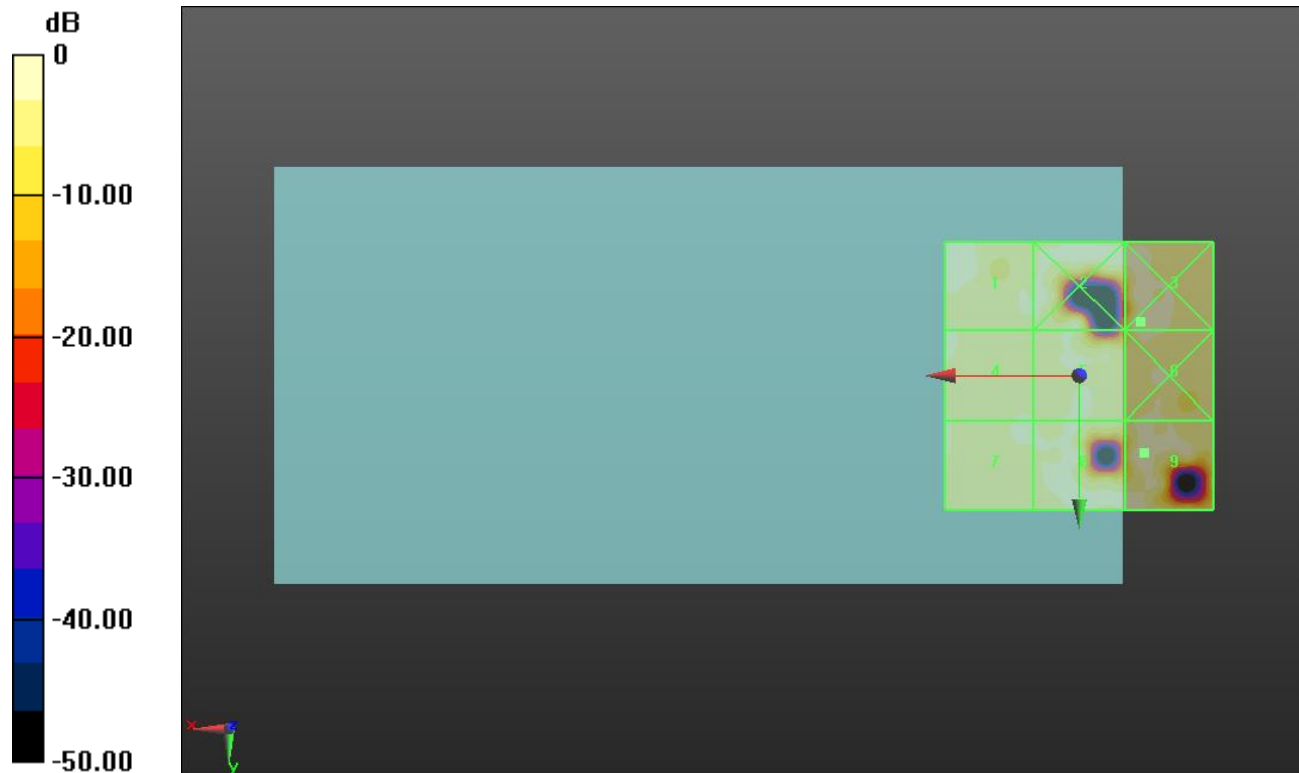
Applied MIF = -1.44 dB

RF audio interference level = 10.36 dBV/m

Emission category: **M4**

MIF scaled E-field

Grid 1 M4 9.91 dBV/m	Grid 2 M4 10.55 dBV/m	Grid 3 M4 11.3 dBV/m
Grid 4 M4 8.54 dBV/m	Grid 5 M4 8.86 dBV/m	Grid 6 M4 10.06 dBV/m
Grid 7 M4 8.63 dBV/m	Grid 8 M4 9.77 dBV/m	Grid 9 M4 10.36 dBV/m



0 dB = 3.672 V/m = 11.30 dBV/m

HAC-RF Emission

Communication System: UID 10061 - CAB, IEEE 802.11b WiFi 2.4 GHz (DSSS, 11 Mbps); Frequency: 2417 MHz; Duty Cycle: 1:2.29087

Phantom section: RF Section

DASY5 Configuration:

- Probe: EF3DV3 - SN4041; ConvF(1, 1, 1) @ 2417 MHz; Calibrated: 3/22/2019
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1352; Calibrated: 11/6/2018
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7450)

802.11b E-Field measurement/IEEE 802.11b_OFDM 11 Mbps_ch 2/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 = 12.88 V/m; Power Drift = -0.26 dB

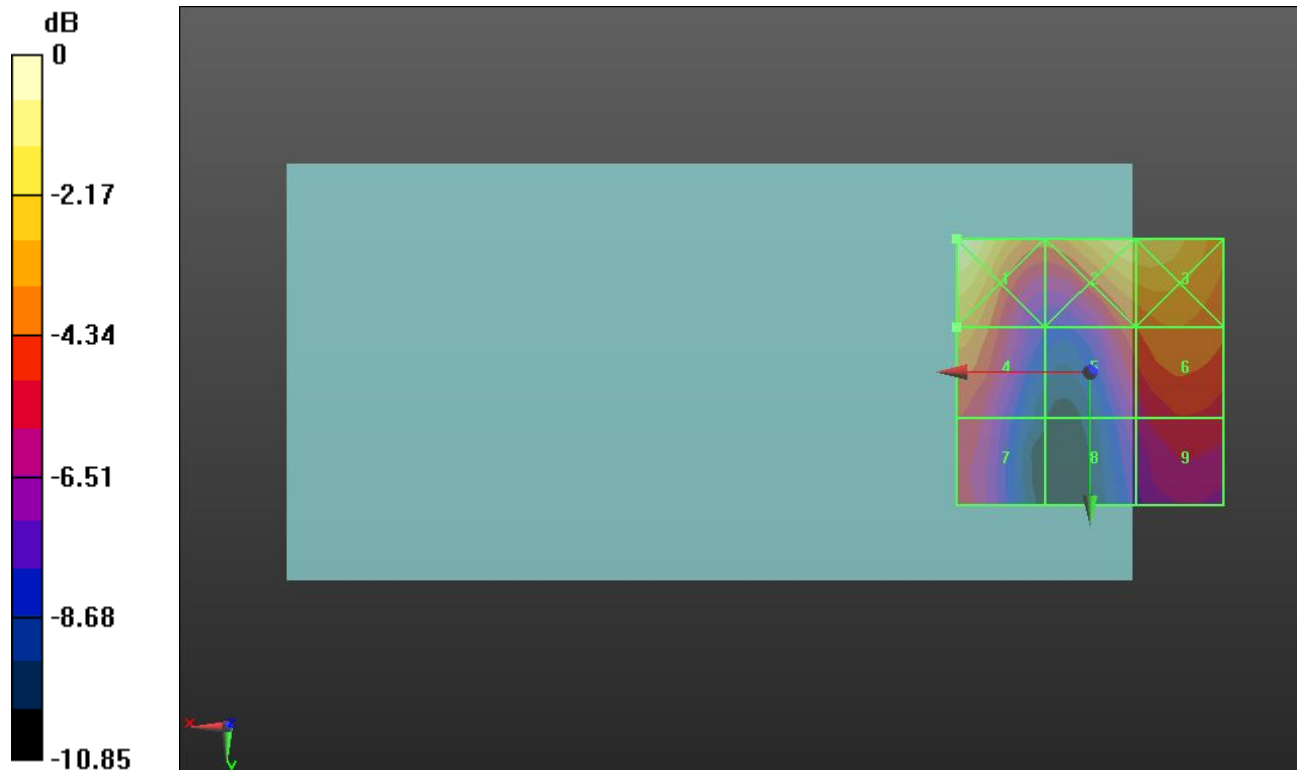
Applied MIF = -2.02 dB

RF audio interference level = 23.23 dBV/m

Emission category: **M4**

MIF scaled E-field

Grid 1 M4 26.2 dBV/m	Grid 2 M4 24.86 dBV/m	Grid 3 M4 24.86 dBV/m
Grid 4 M4 23.23 dBV/m	Grid 5 M4 21.87 dBV/m	Grid 6 M4 22.62 dBV/m
Grid 7 M4 21.13 dBV/m	Grid 8 M4 19.81 dBV/m	Grid 9 M4 21.11 dBV/m



0 dB = 20.41 V/m = 26.20 dBV/m

HAC-RF Emission

Communication System: UID 10061 - CAB, IEEE 802.11b WiFi 2.4 GHz (DSSS, 11 Mbps); Frequency: 2437 MHz; Duty Cycle: 1:2.29087

Phantom section: RF Section

DASY5 Configuration:

- Probe: EF3DV3 - SN4041; ConvF(1, 1, 1) @ 2437 MHz; Calibrated: 3/22/2019
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1352; Calibrated: 11/6/2018
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7450)

802.11b E-Field measurement/IEEE 802.11b_OFDM 11 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 = 14.76 V/m; Power Drift = 0.23 dB

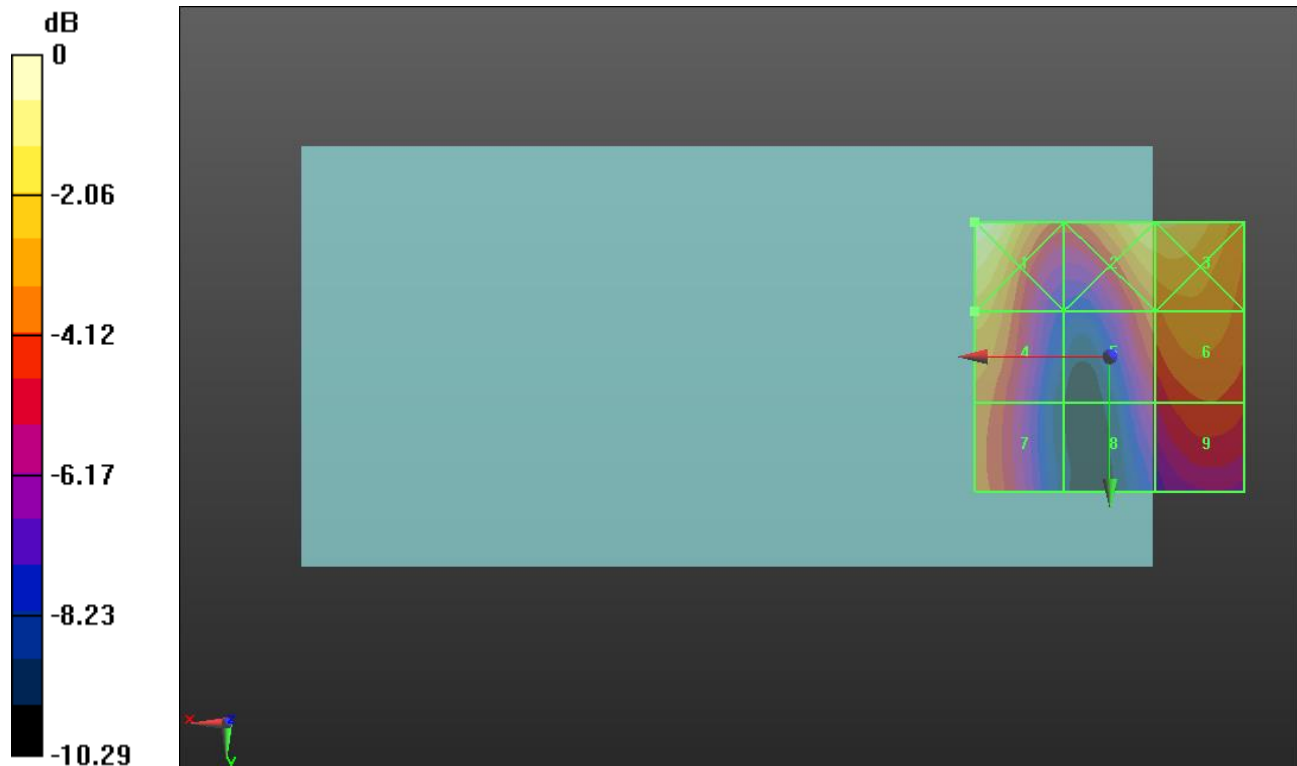
Applied MIF = -2.02 dB

RF audio interference level = 25.64 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 27.98 dBV/m	Grid 2 M4 26.71 dBV/m	Grid 3 M4 26.76 dBV/m
Grid 4 M4 25.64 dBV/m	Grid 5 M4 24.37 dBV/m	Grid 6 M4 25.06 dBV/m
Grid 7 M4 24.3 dBV/m	Grid 8 M4 22.47 dBV/m	Grid 9 M4 23.87 dBV/m



0 dB = 25.06 V/m = 27.98 dBV/m

HAC-RF Emission

Communication System: UID 10061 - CAB, IEEE 802.11b WiFi 2.4 GHz (DSSS, 11 Mbps); Frequency: 2462 MHz; Duty Cycle: 1:2.29087

Phantom section: RF Section

DASY5 Configuration:

- Probe: EF3DV3 - SN4041; ConvF(1, 1, 1) @ 2462 MHz; Calibrated: 3/22/2019
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1352; Calibrated: 11/6/2018
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7450)

802.11b E-Field measurement/IEEE 802.11b_OFDM 11 Mbps_ch 11/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 = 14.24 V/m; Power Drift = 0.32 dB

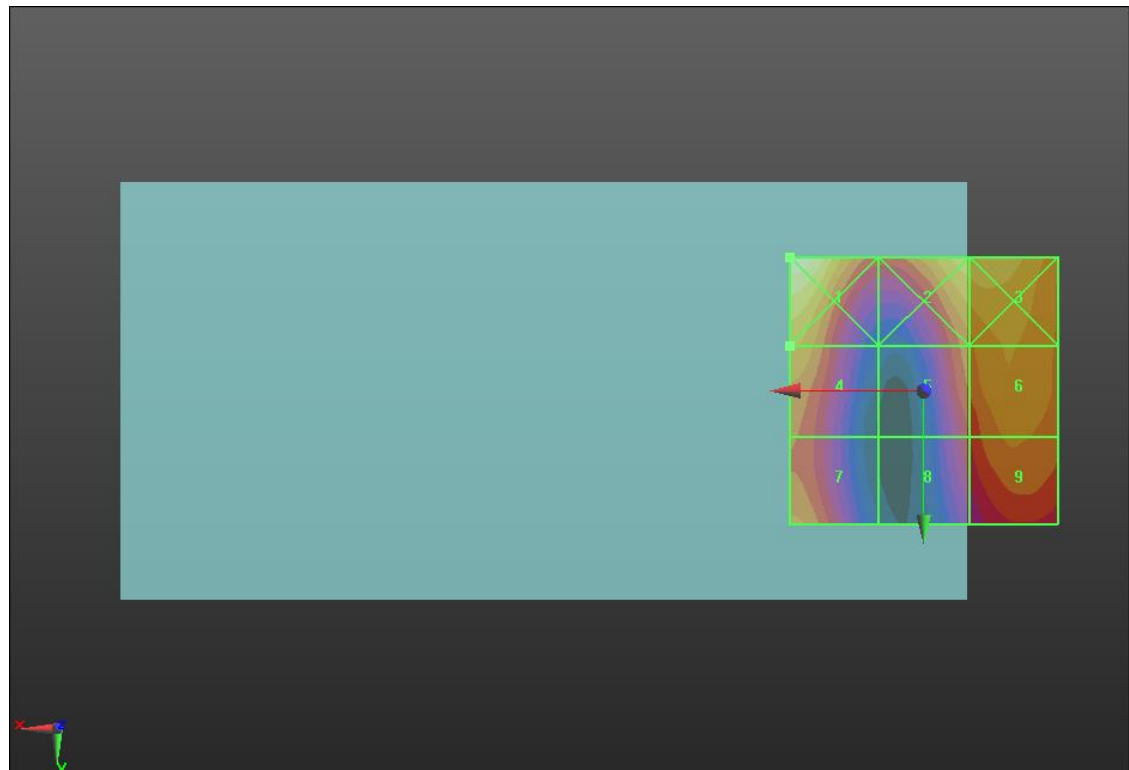
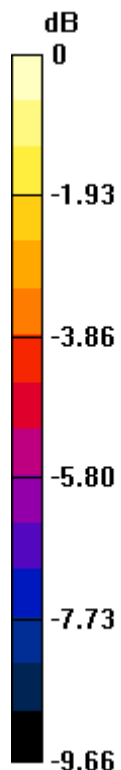
Applied MIF = -2.02 dB

RF audio interference level = 25.20 dBV/m

Emission category: **M4**

MIF scaled E-field

Grid 1 M4 27.66 dBV/m	Grid 2 M4 26.23 dBV/m	Grid 3 M4 26.35 dBV/m
Grid 4 M4 25.2 dBV/m	Grid 5 M4 24.27 dBV/m	Grid 6 M4 25.13 dBV/m
Grid 7 M4 24.62 dBV/m	Grid 8 M4 23.17 dBV/m	Grid 9 M4 24.57 dBV/m



0 dB = 24.17 V/m = 27.67 dBV/m

HAC-RF Emission

Communication System: UID 10077 - CAB, 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: EF3DV3 - SN4041; ConvF(1, 1, 1) @ 2422 MHz; Calibrated: 3/22/2019
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1352; Calibrated: 11/6/2018
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7450)

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 = 13.45 V/m; Power Drift = 0.46 dB

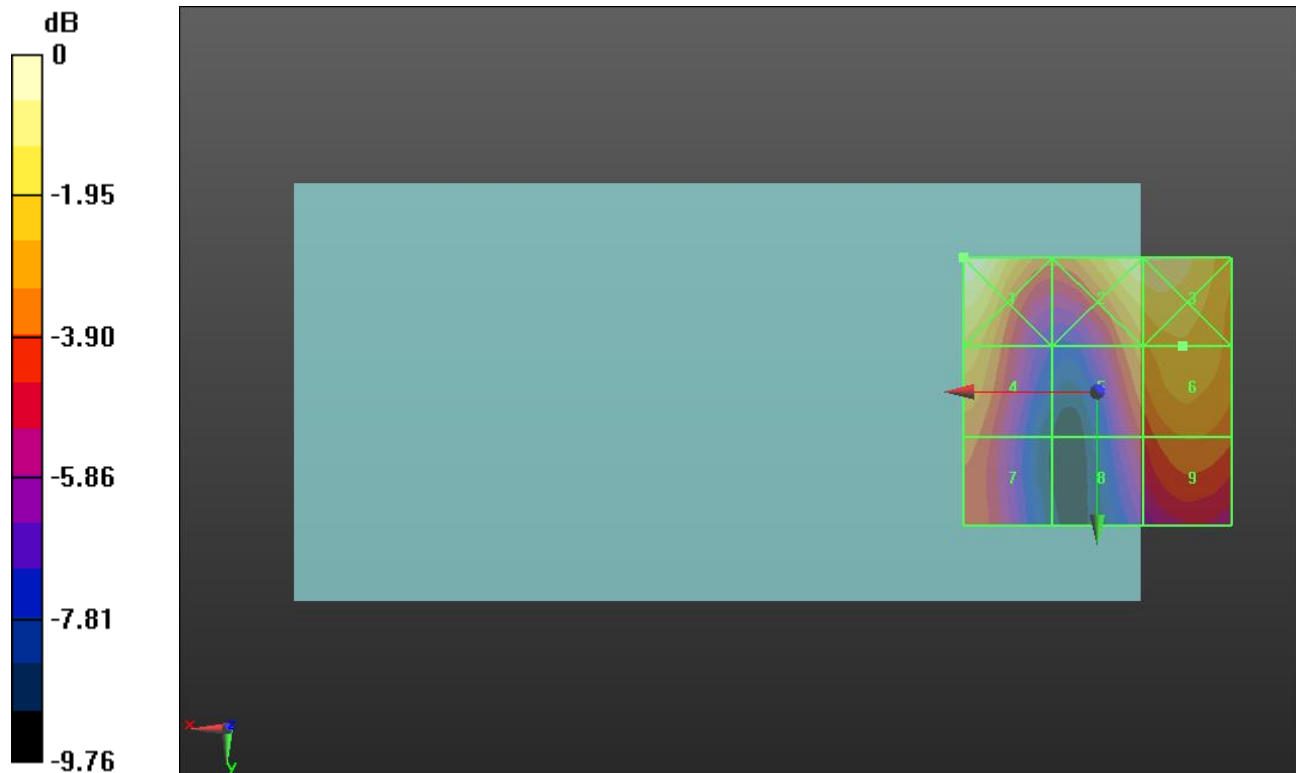
Applied MIF = 0.12 dB

RF audio interference level = 26.51 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 28.56 dBV/m	Grid 2 M4 27.94 dBV/m	Grid 3 M4 28 dBV/m
Grid 4 M4 26.47 dBV/m	Grid 5 M4 25.76 dBV/m	Grid 6 M4 26.51 dBV/m
Grid 7 M4 24.95 dBV/m	Grid 8 M4 24.04 dBV/m	Grid 9 M4 25.37 dBV/m



0 dB = 26.79 V/m = 28.56 dBV/m

HAC-RF Emission

Communication System: UID 10077 - CAB, 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: EF3DV3 - SN4041; ConvF(1, 1, 1) @ 2437 MHz; Calibrated: 3/22/2019
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1352; Calibrated: 11/6/2018
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7450)

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 = 14.59 V/m; Power Drift = -0.06 dB

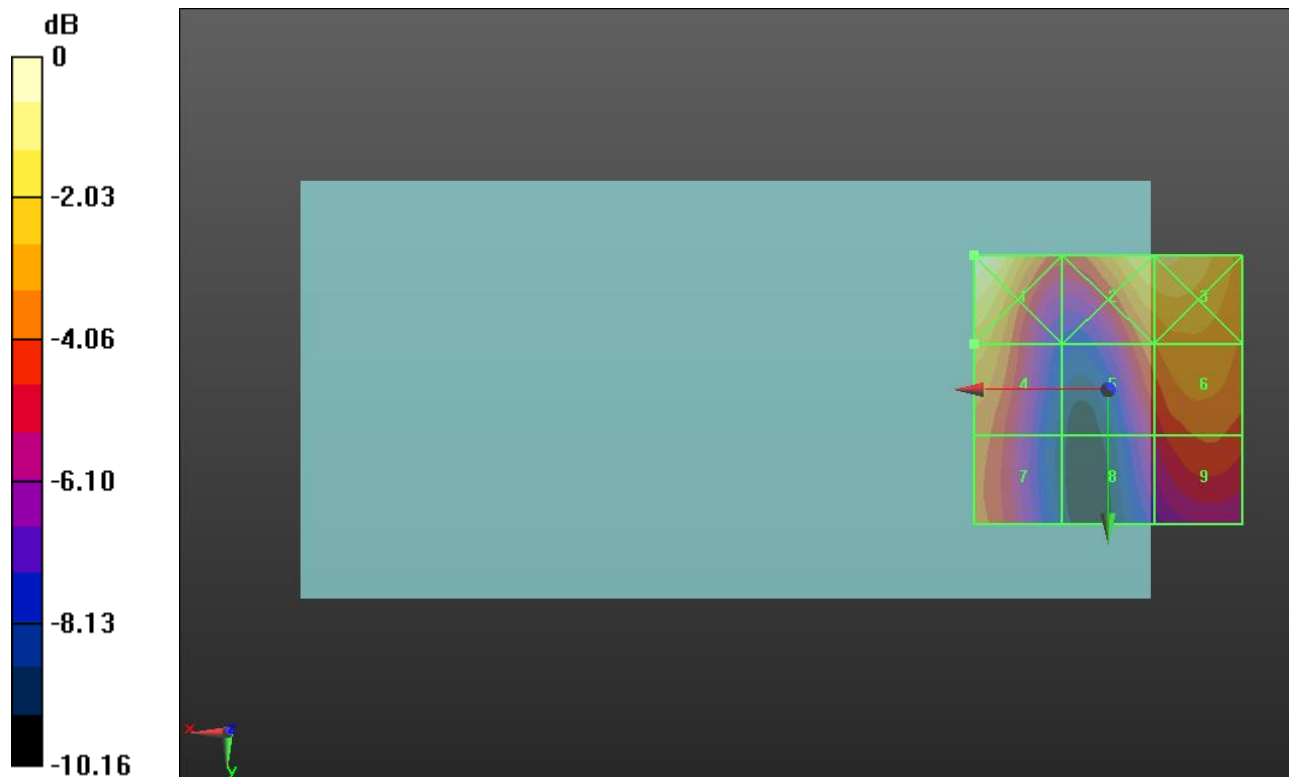
Applied MIF = 0.12 dB

RF audio interference level = 27.50 dBV/m

Emission category: **M4**

MIF scaled E-field

Grid 1 M4 29.85 dBV/m	Grid 2 M4 28.67 dBV/m	Grid 3 M4 28.72 dBV/m
Grid 4 M4 27.5 dBV/m	Grid 5 M4 26.4 dBV/m	Grid 6 M4 27.04 dBV/m
Grid 7 M4 26.14 dBV/m	Grid 8 M4 24.48 dBV/m	Grid 9 M4 25.91 dBV/m



0 dB = 31.08 V/m = 29.85 dBV/m

HAC-RF Emission

Communication System: UID 10077 - CAB, 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: EF3DV3 - SN4041; ConvF(1, 1, 1) @ 2452 MHz; Calibrated: 3/22/2019
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1352; Calibrated: 11/6/2018
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7450)

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 = 15.85 V/m; Power Drift = 0.17 dB

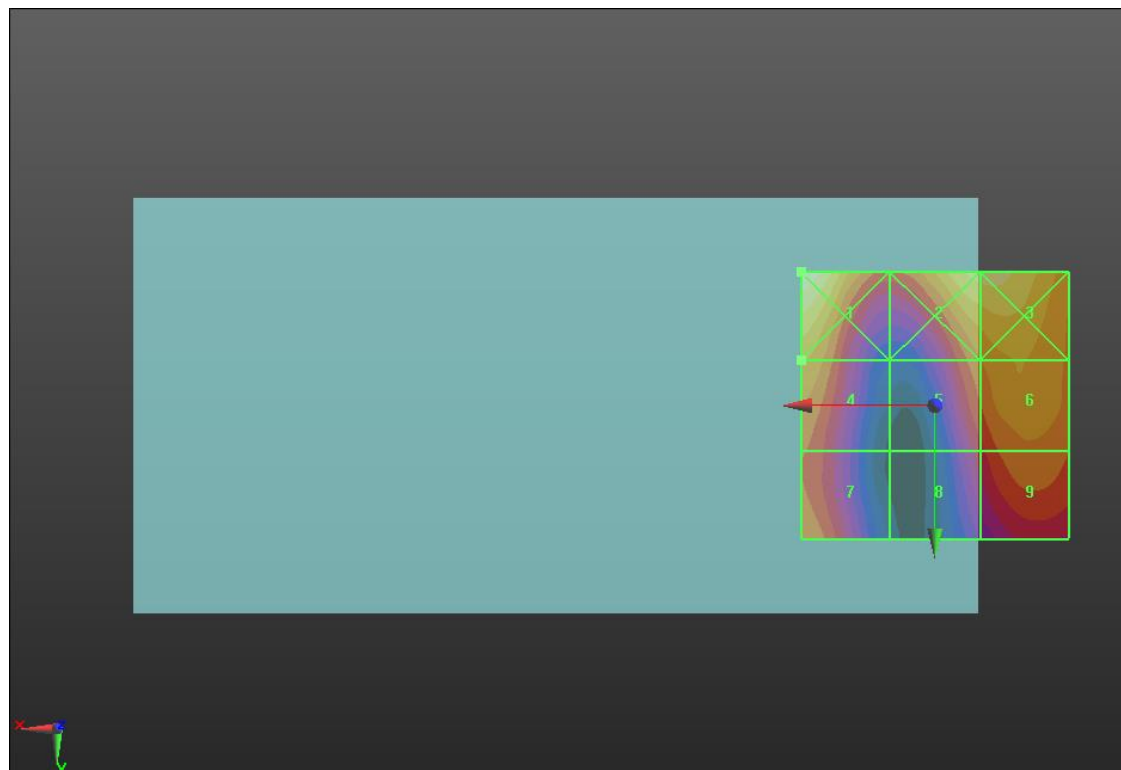
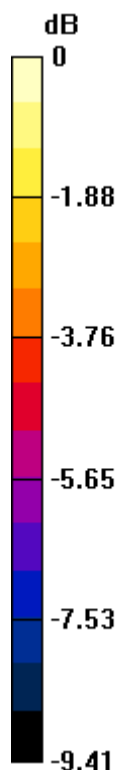
Applied MIF = 0.12 dB

RF audio interference level = 27.42 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 29.83 dBV/m	Grid 2 M4 28.88 dBV/m	Grid 3 M4 28.91 dBV/m
Grid 4 M4 27.42 dBV/m	Grid 5 M4 26.67 dBV/m	Grid 6 M4 27.35 dBV/m
Grid 7 M4 26.62 dBV/m	Grid 8 M4 25.23 dBV/m	Grid 9 M4 26.6 dBV/m



0 dB = 31.02 V/m = 29.83 dBV/m

HAC-RF Emission

Communication System: UID 10021 - DAC, GSM-FDD (TDMA, GMSK); Frequency: 1850.2 MHz; Duty Cycle: 1:8.6896

Phantom section: RF Section

DASY5 Configuration:

- Probe: EF3DV3 - SN4041; ConvF(1, 1, 1) @ 1850.2 MHz; Calibrated: 3/22/2019
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1352; Calibrated: 11/6/2018
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7450)

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 = 25.08 V/m; Power Drift = -0.13 dB

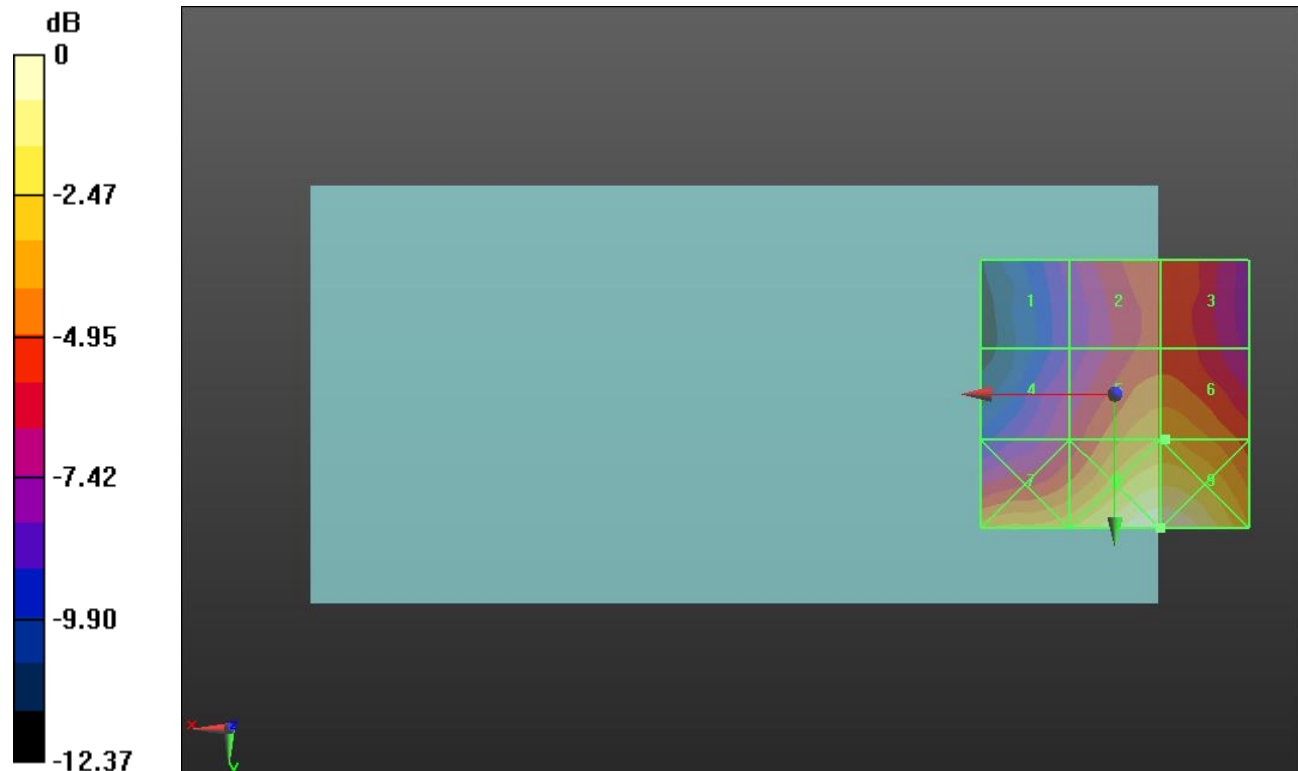
Applied MIF = 3.63 dB

RF audio interference level = 31.22 dBV/m

Emission category: M3

MIF scaled E-field

Grid 1 M4 26.71 dBV/m	Grid 2 M4 29.36 dBV/m	Grid 3 M4 29.37 dBV/m
Grid 4 M4 28.09 dBV/m	Grid 5 M3 31.2 dBV/m	Grid 6 M3 31.22 dBV/m
Grid 7 M3 32 dBV/m	Grid 8 M3 34.43 dBV/m	Grid 9 M3 34.43 dBV/m



0 dB = 52.69 V/m = 34.43 dBV/m

HAC-RF Emission

Communication System: UID 10021 - DAC, GSM-FDD (TDMA, GMSK); Frequency: 1880 MHz; Duty Cycle: 1:8.6896

Phantom section: RF Section

DASY5 Configuration:

- Probe: EF3DV3 - SN4041; ConvF(1, 1, 1) @ 1880 MHz; Calibrated: 3/22/2019
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1352; Calibrated: 11/6/2018
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7450)

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 = 21.69 V/m; Power Drift = 0.06 dB

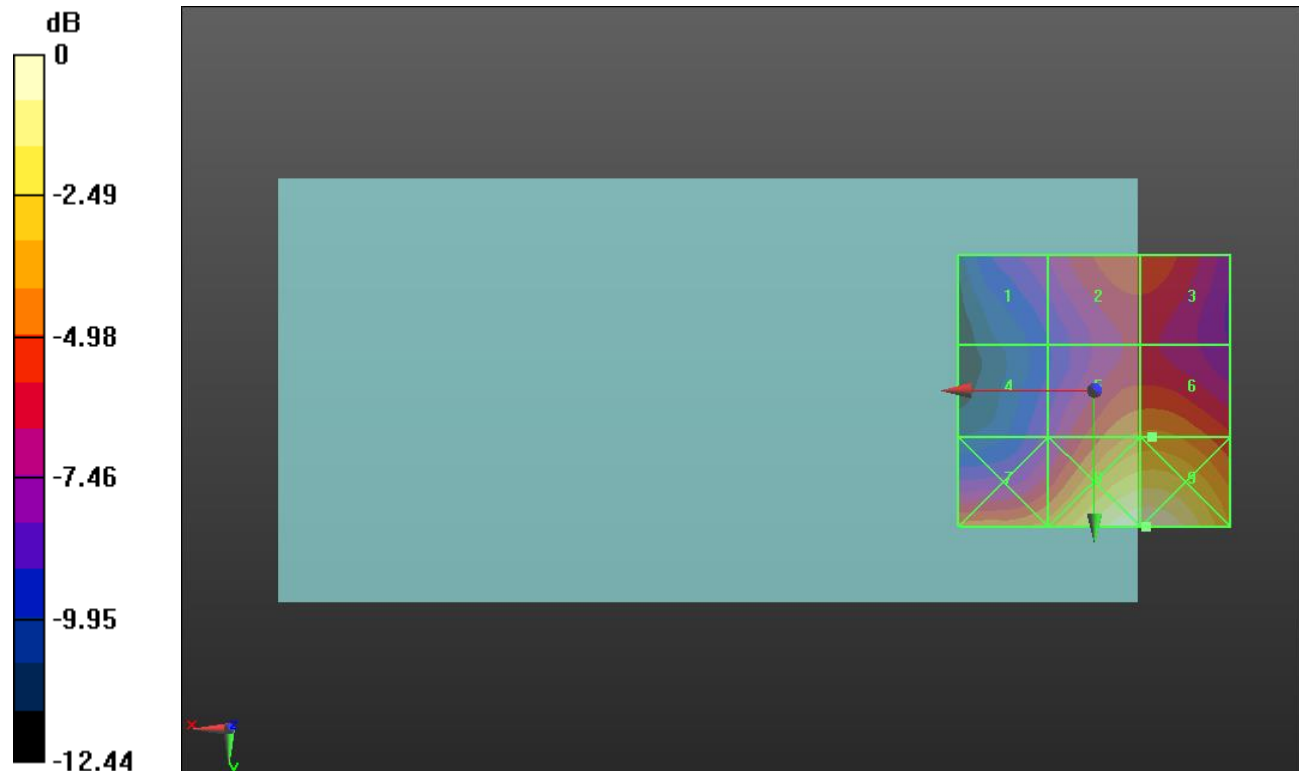
Applied MIF = 3.63 dB

RF audio interference level = 30.41 dBV/m

Emission category: M3

MIF scaled E-field

Grid 1 M4 26.94 dBV/m	Grid 2 M4 29.27 dBV/m	Grid 3 M4 29.26 dBV/m
Grid 4 M4 26.44 dBV/m	Grid 5 M3 30.35 dBV/m	Grid 6 M3 30.41 dBV/m
Grid 7 M3 30.74 dBV/m	Grid 8 M3 34.27 dBV/m	Grid 9 M3 34.28 dBV/m



0 dB = 51.75 V/m = 34.28 dBV/m

HAC-RF Emission

Communication System: UID 10021 - DAC, GSM-FDD (TDMA, GMSK); Frequency: 1909.8 MHz; Duty Cycle: 1:8.6896

Phantom section: RF Section

DASY5 Configuration:

- Probe: EF3DV3 - SN4041; ConvF(1, 1, 1) @ 1909.8 MHz; Calibrated: 3/22/2019
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1352; Calibrated: 11/6/2018
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7450)

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 = 22.37 V/m; Power Drift = -0.47 dB

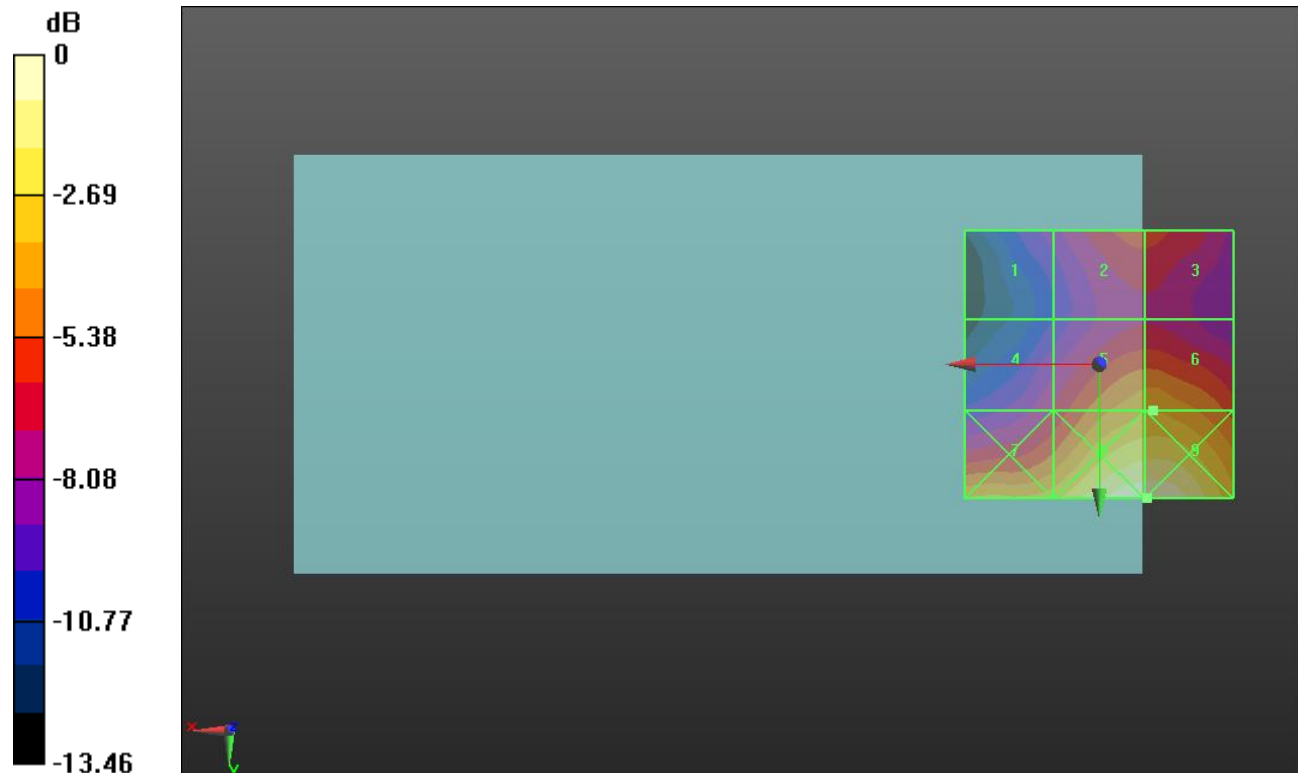
Applied MIF = 3.63 dB

RF audio interference level = 30.44 dBV/m

Emission category: M3

MIF scaled E-field

Grid 1 M4 25.73 dBV/m	Grid 2 M4 28.2 dBV/m	Grid 3 M4 28.2 dBV/m
Grid 4 M4 27.04 dBV/m	Grid 5 M3 30.39 dBV/m	Grid 6 M3 30.44 dBV/m
Grid 7 M3 31.19 dBV/m	Grid 8 M3 34.05 dBV/m	Grid 9 M3 34.07 dBV/m



0 dB = 50.50 V/m = 34.07 dBV/m

HAC-RF Emission

Communication System: UID 10173 - CAC, 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: EF3DV3 - SN4041; ConvF(1, 1, 1); Calibrated: 3/22/2019;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1352; Calibrated: 11/6/2018
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.8 (8);SEMCAD X Version 14.6.10 (7331)

LTE Band 41 E-Field measurement/LTE TDD_16QAM_RB 1/49_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 = 44.67 V/m; Power Drift = 0.12 dB

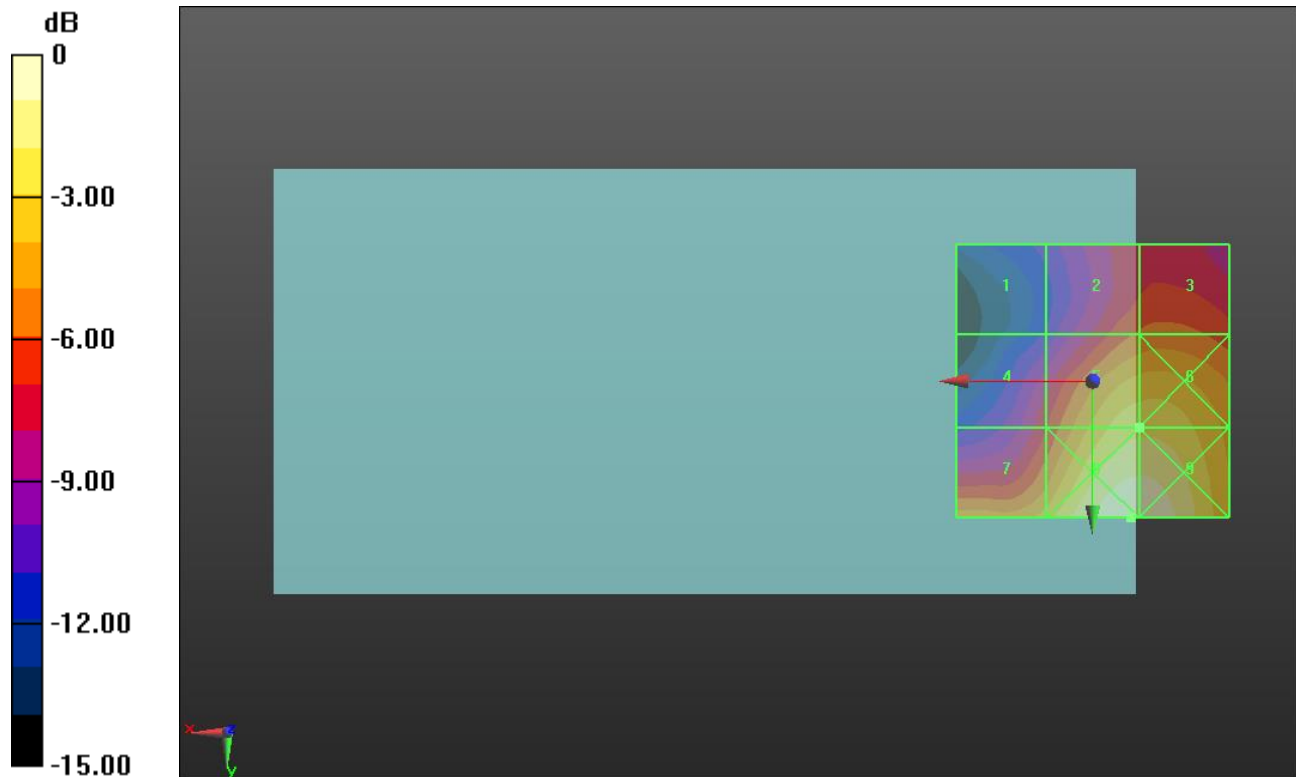
Applied MIF = -1.44 dB

RF audio interference level = 31.14 dBV/m

Emission category: **M3**

MIF scaled E-field

Grid 1 M4 22.92 dBV/m	Grid 2 M4 27.6 dBV/m	Grid 3 M4 27.86 dBV/m
Grid 4 M4 26.38 dBV/m	Grid 5 M3 31.14 dBV/m	Grid 6 M3 31.17 dBV/m
Grid 7 M4 29.98 dBV/m	Grid 8 M3 33.39 dBV/m	Grid 9 M3 33.35 dBV/m



0 dB = 46.73 V/m = 33.39 dBV/m

HAC-RF Emission

Communication System: UID 10173 - CAC, 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: EF3DV3 - SN4041; ConvF(1, 1, 1); Calibrated: 3/22/2019;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1352; Calibrated: 11/6/2018
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

LTE Band 41 E-Field measurement/LTE TDD_16QAM_RB 1/49_ch 40185/Hearing Aid Compatibility Test (101x101x1):

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 48.04 V/m; Power Drift = -0.13 dB

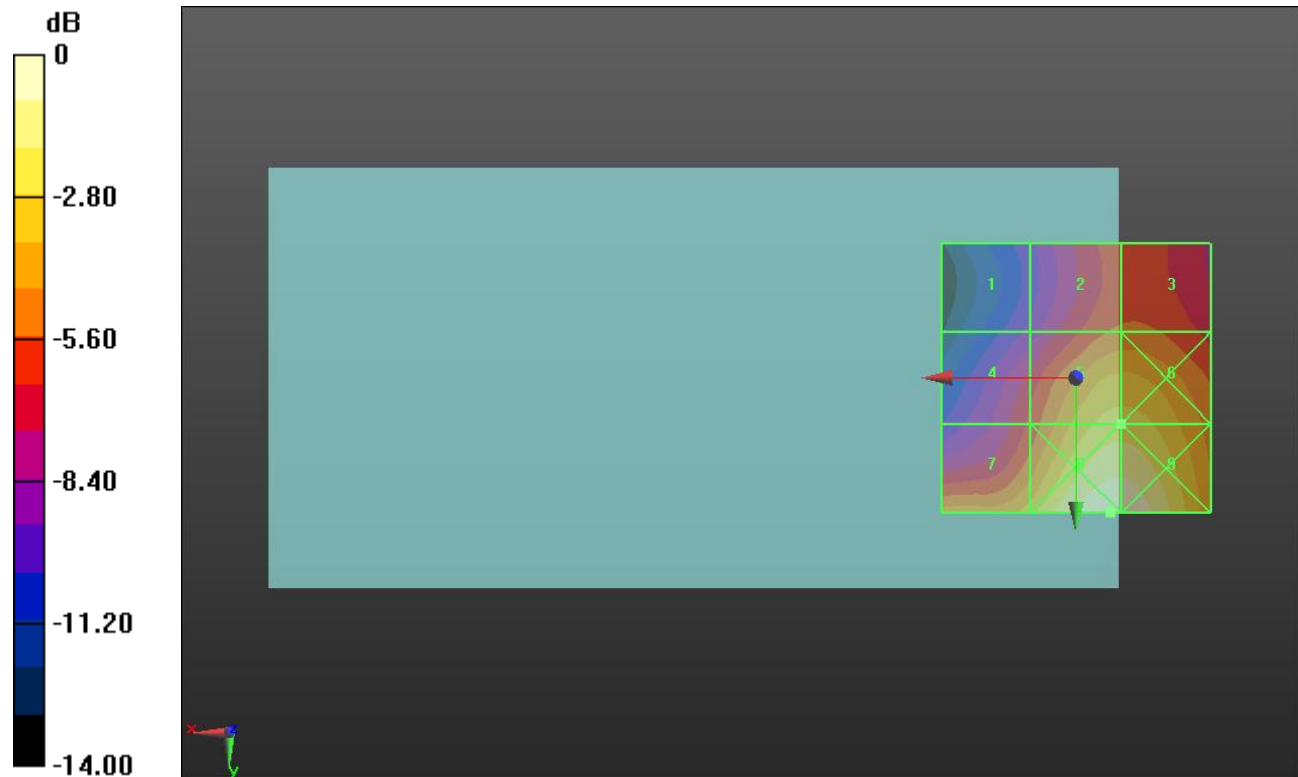
Applied MIF = -1.44 dB

RF audio interference level = 30.96 dBV/m

Emission category: **M3**

MIF scaled E-field

Grid 1 M4 24.4 dBV/m	Grid 2 M4 27.96 dBV/m	Grid 3 M4 28.01 dBV/m
Grid 4 M4 27.05 dBV/m	Grid 5 M3 30.96 dBV/m	Grid 6 M3 30.96 dBV/m
Grid 7 M3 30.14 dBV/m	Grid 8 M3 33.29 dBV/m	Grid 9 M3 33.24 dBV/m



0 dB = 46.19 V/m = 33.29 dBV/m

HAC-RF Emission

Communication System: UID 10173 - CAC, 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: EF3DV3 - SN4041; ConvF(1, 1, 1); Calibrated: 3/22/2019;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1352; Calibrated: 11/6/2018
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.8 (8);SEMCAD X Version 14.6.10 (7331)

LTE Band 41 E-Field measurement/LTE TDD_16QAM_RB 1/49_ch 40620/Hearing Aid Compatibility Test (101x101x1):

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 53.76 V/m; Power Drift = -0.18 dB

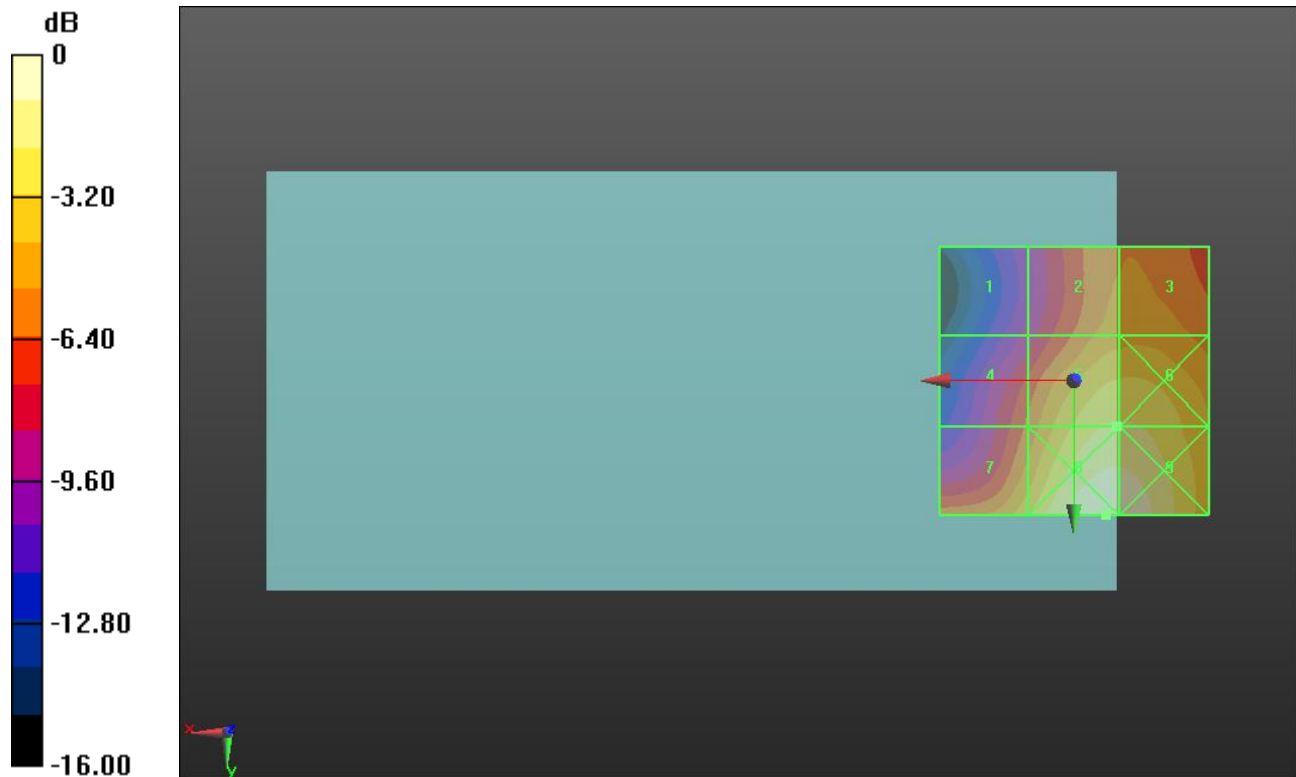
Applied MIF = -1.44 dB

RF audio interference level = 32.19 dBV/m

Emission category: **M3**

MIF scaled E-field

Grid 1 M4 25.12 dBV/m	Grid 2 M4 29.55 dBV/m	Grid 3 M4 29.67 dBV/m
Grid 4 M4 28.12 dBV/m	Grid 5 M3 32.19 dBV/m	Grid 6 M3 32.19 dBV/m
Grid 7 M3 30.89 dBV/m	Grid 8 M3 34.19 dBV/m	Grid 9 M3 34.09 dBV/m



0 dB = 51.24 V/m = 34.19 dBV/m

HAC-RF Emission

Communication System: UID 10173 - CAC, 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: EF3DV3 - SN4041; ConvF(1, 1, 1); Calibrated: 3/22/2019;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1352; Calibrated: 11/6/2018
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.8 (8);SEMCAD X Version 14.6.10 (7331)

LTE Band 41 E-Field measurement/LTE TDD_16QAM_RB 1/49_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 = 66.05 V/m; Power Drift = -0.04 dB

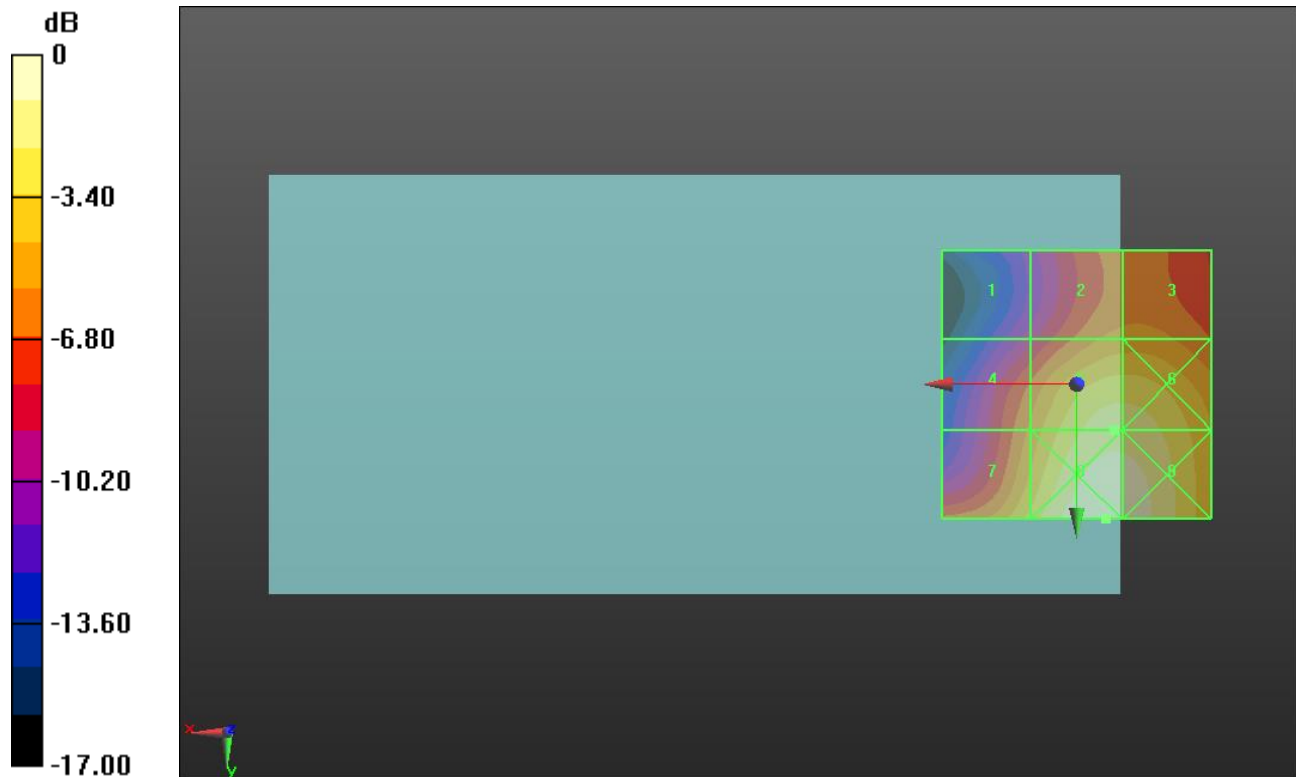
Applied MIF = -1.44 dB

RF audio interference level = 33.69 dBV/m

Emission category: **M3**

MIF scaled E-field

Grid 1 M4 25.84 dBV/m	Grid 2 M3 30.07 dBV/m	Grid 3 M3 30.14 dBV/m
Grid 4 M4 29.93 dBV/m	Grid 5 M3 33.69 dBV/m	Grid 6 M3 33.66 dBV/m
Grid 7 M3 32.36 dBV/m	Grid 8 M2 35.26 dBV/m	Grid 9 M2 35.08 dBV/m



0 dB = 57.95 V/m = 35.26 dBV/m

HAC-RF Emission

Communication System: UID 10173 - CAC, 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: EF3DV3 - SN4041; ConvF(1, 1, 1); Calibrated: 3/22/2019;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1352; Calibrated: 11/6/2018
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.8 (8);SEMCAD X Version 14.6.10 (7331)

LTE Band 41 E-Field measurement/LTE TDD_16QAM_RB 1/49_ch 41490/Hearing Aid Compatibility Test (101x101x1):

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 61.91 V/m; Power Drift = -0.05 dB

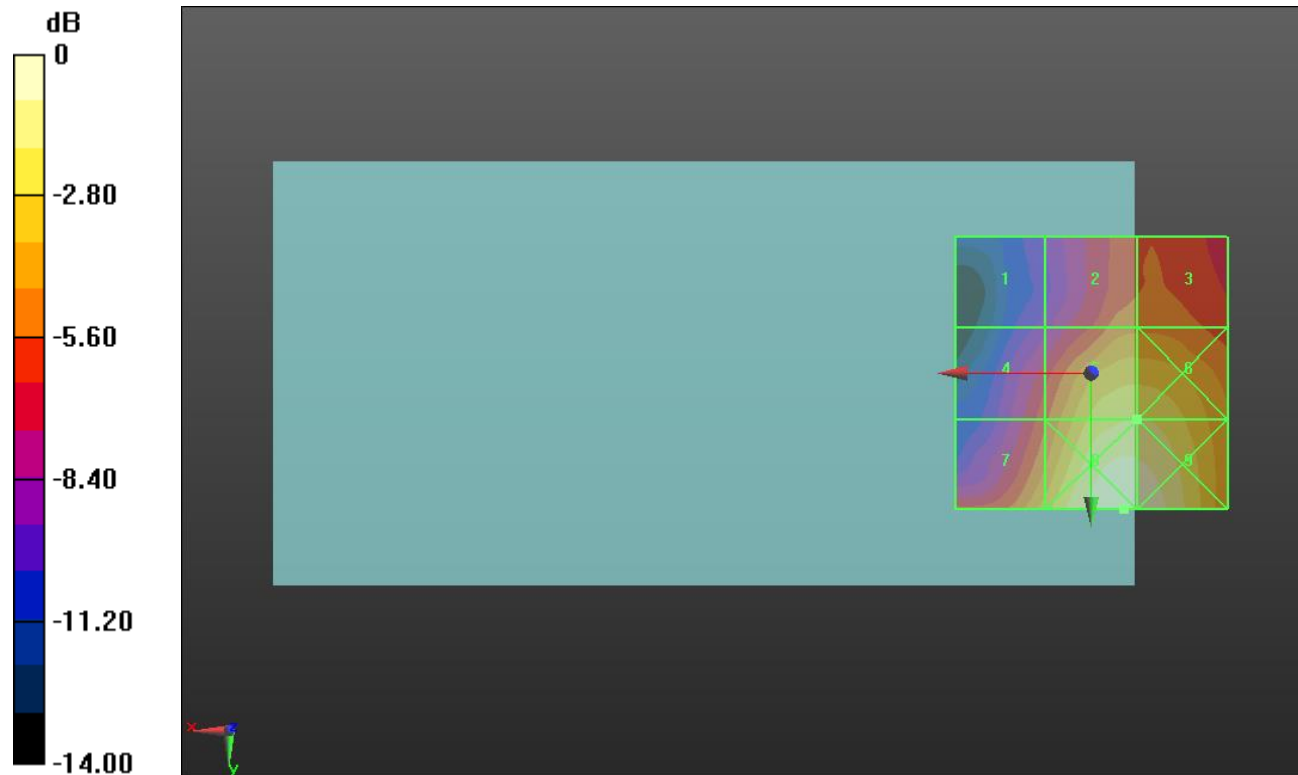
Applied MIF = -1.44 dB

RF audio interference level = 33.50 dBV/m

Emission category: **M3**

MIF scaled E-field

Grid 1 M4 26.57 dBV/m	Grid 2 M3 30.45 dBV/m	Grid 3 M3 30.47 dBV/m
Grid 4 M4 29.51 dBV/m	Grid 5 M3 33.5 dBV/m	Grid 6 M3 33.5 dBV/m
Grid 7 M3 32.1 dBV/m	Grid 8 M2 35.32 dBV/m	Grid 9 M2 35.22 dBV/m



0 dB = 58.36 V/m = 35.32 dBV/m

HAC-RF Emission

Communication System: UID 10173 - CAG, LTE-TDD (SC-FDMA, 1 RB, 20 MHz, 16-QAM); Frequency: 3560 MHz; Duty Cycle: 1:8.87156

Phantom section: RF Section

DASY5 Configuration:

- Probe: EF3DV3 - SN4041; ConvF(1, 1, 1) @ 3560 MHz; Calibrated: 3/22/2019
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1352; Calibrated: 11/6/2018
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7450)

LTE Band 48 E-Field measurement/LTE TDD_16QAM_RB 1/49_ch 55340/Hearing Aid Compatibility Test (101x101x1):

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 15.25 V/m; Power Drift = 0.07 dB

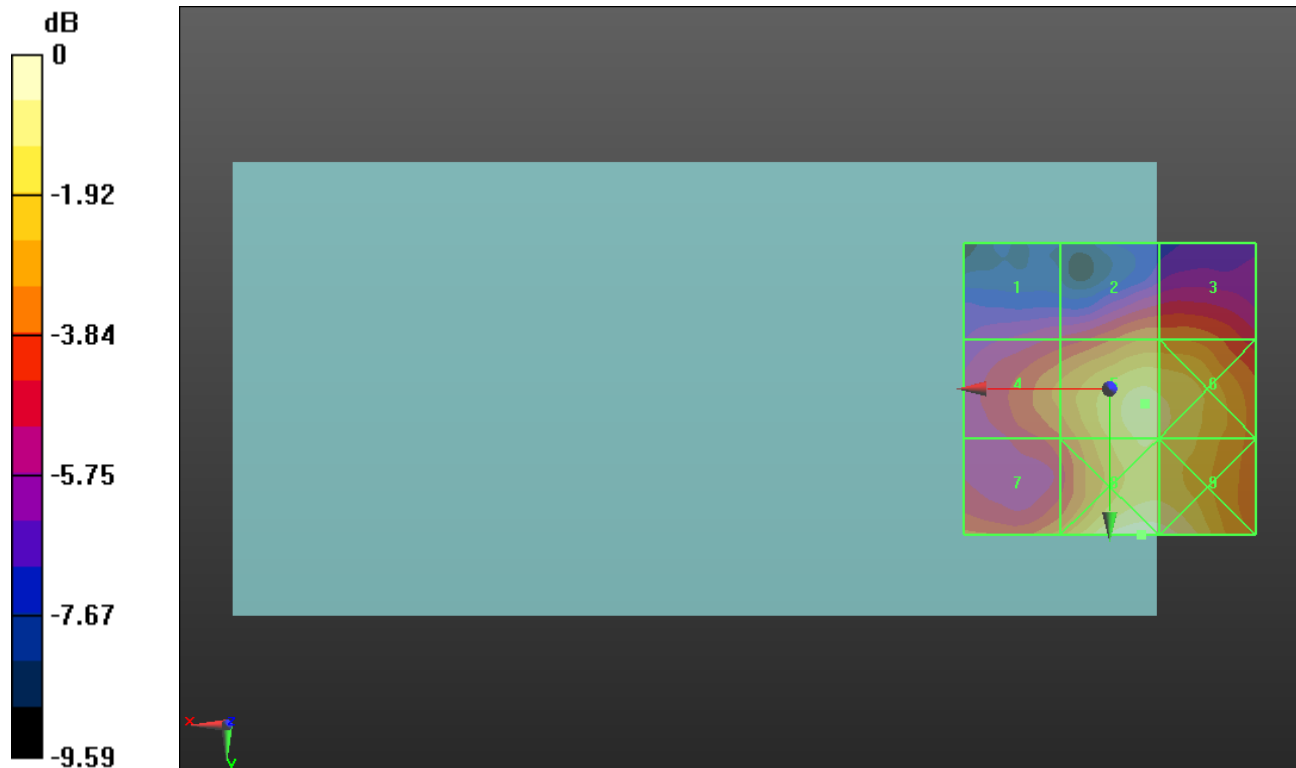
Applied MIF = -1.44 dB

RF audio interference level = 20.30 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 16.44 dBV/m	Grid 2 M4 18.2 dBV/m	Grid 3 M4 18.16 dBV/m
Grid 4 M4 18.4 dBV/m	Grid 5 M4 20.3 dBV/m	Grid 6 M4 20.21 dBV/m
Grid 7 M4 18.56 dBV/m	Grid 8 M4 21.36 dBV/m	Grid 9 M4 21.18 dBV/m



0 dB = 11.70 V/m = 21.36 dBV/m

HAC-RF Emission

Communication System: UID 10173 - CAG, LTE-TDD (SC-FDMA, 1 RB, 20 MHz, 16-QAM); Frequency: 3603.3 MHz; Duty Cycle: 1:8.87156

Phantom section: RF Section

DASY5 Configuration:

- Probe: EF3DV3 - SN4041; ConvF(1, 1, 1) @ 3603.3 MHz; Calibrated: 3/22/2019
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1352; Calibrated: 11/6/2018
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7450)

LTE Band 48 E-Field measurement/LTE TDD_16QAM_RB 1/49_ch 55773/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 = 20.76 V/m; Power Drift = -0.16 dB

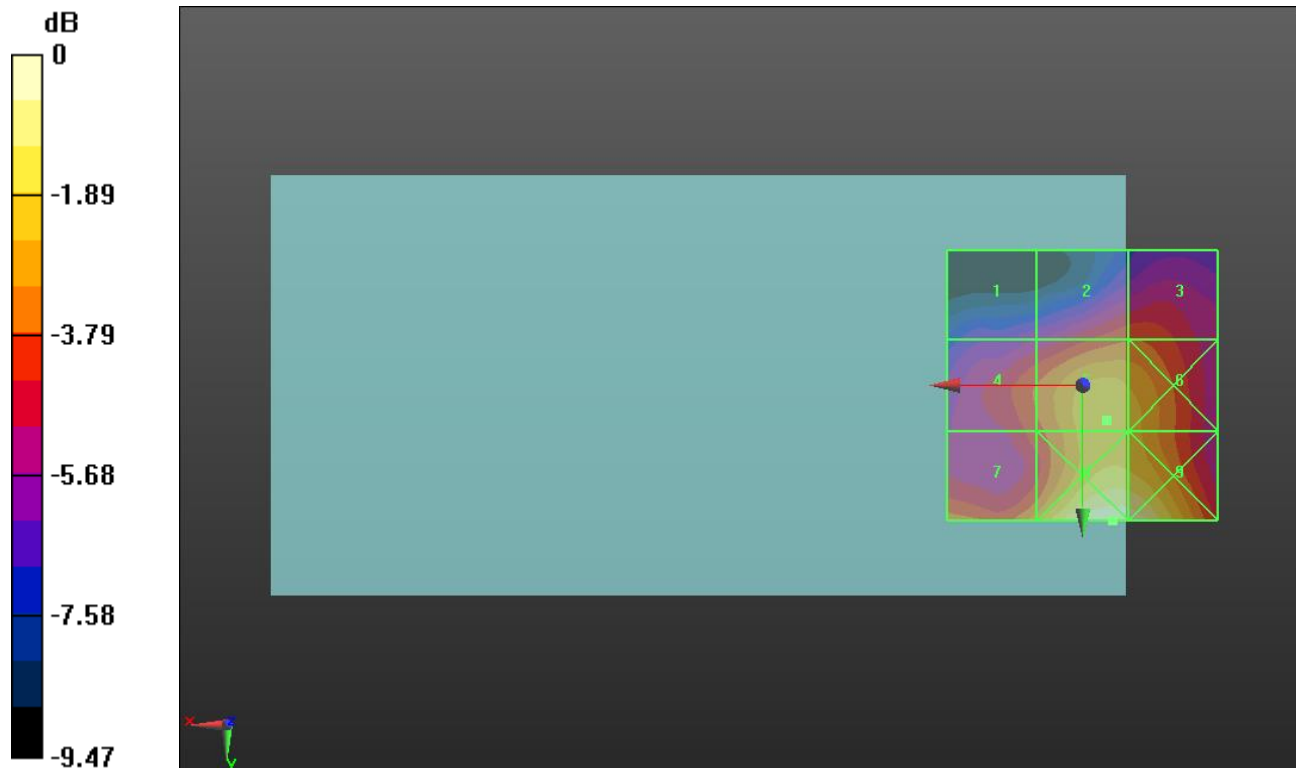
Applied MIF = -1.44 dB

RF audio interference level = 23.23 dBV/m

Emission category: **M4**

MIF scaled E-field

Grid 1 M4 19.61 dBV/m	Grid 2 M4 21.45 dBV/m	Grid 3 M4 21.48 dBV/m
Grid 4 M4 21.62 dBV/m	Grid 5 M4 23.23 dBV/m	Grid 6 M4 23.05 dBV/m
Grid 7 M4 22.6 dBV/m	Grid 8 M4 25.27 dBV/m	Grid 9 M4 25.18 dBV/m



0 dB = 18.34 V/m = 25.27 dBV/m

HAC-RF Emission

Communication System: UID 10173 - CAG, LTE-TDD (SC-FDMA, 1 RB, 20 MHz, 16-QAM); Frequency: 3646.7 MHz; Duty Cycle: 1:8.87156

Phantom section: RF Section

DASY5 Configuration:

- Probe: EF3DV3 - SN4041; ConvF(1, 1, 1) @ 3646.7 MHz; Calibrated: 3/22/2019
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1352; Calibrated: 11/6/2018
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7450)

LTE Band 48 E-Field measurement/LTE TDD_16QAM_RB 1/49_ch 56207/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 = 19.86 V/m; Power Drift = 0.18 dB

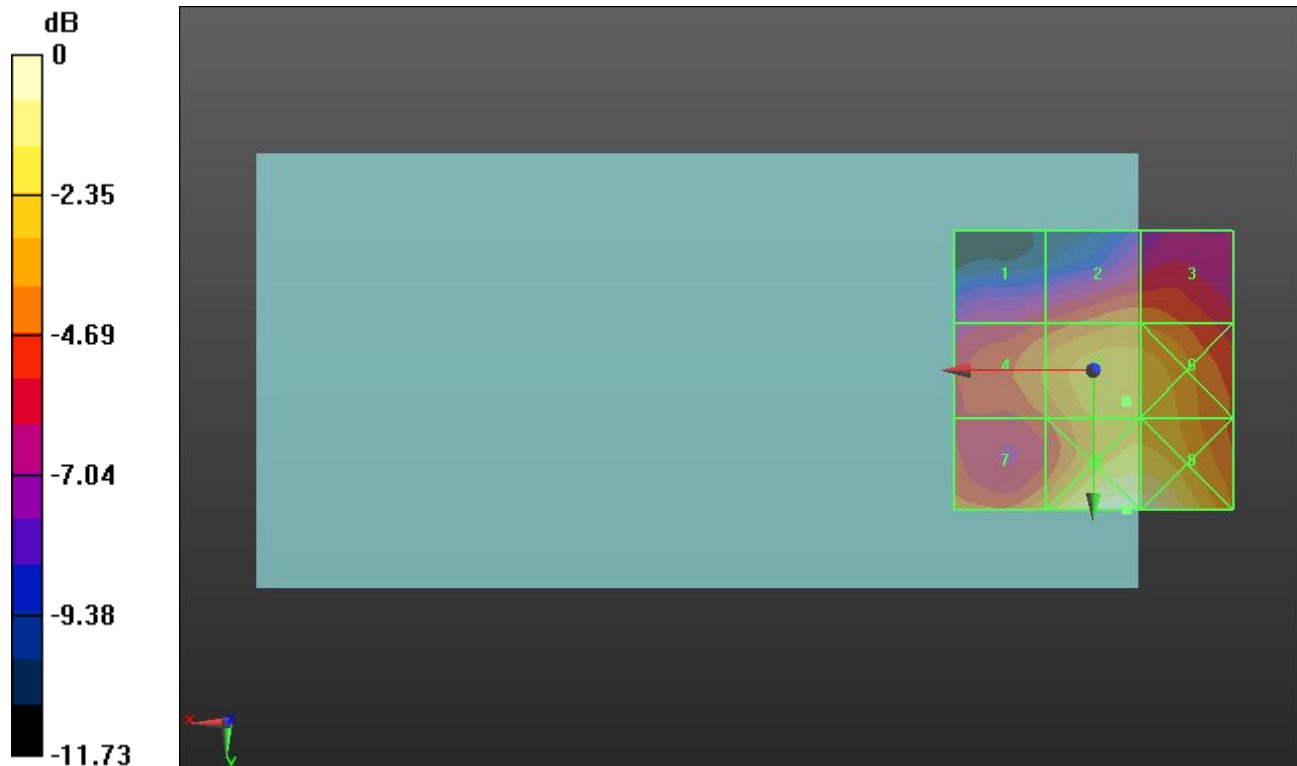
Applied MIF = -1.44 dB

RF audio interference level = 22.61 dBV/m

Emission category: **M4**

MIF scaled E-field

Grid 1 M4 19.63 dBV/m	Grid 2 M4 20.99 dBV/m	Grid 3 M4 20.95 dBV/m
Grid 4 M4 21.19 dBV/m	Grid 5 M4 22.61 dBV/m	Grid 6 M4 22.53 dBV/m
Grid 7 M4 22.03 dBV/m	Grid 8 M4 24.94 dBV/m	Grid 9 M4 24.83 dBV/m



0 dB = 17.66 V/m = 24.94 dBV/m

HAC-RF Emission

Communication System: UID 10173 - CAG, LTE-TDD (SC-FDMA, 1 RB, 20 MHz, 16-QAM); Frequency: 3690 MHz; Duty Cycle: 1:8.87156

Phantom section: RF Section

DASY5 Configuration:

- Probe: EF3DV3 - SN4041; ConvF(1, 1, 1) @ 3690 MHz; Calibrated: 3/22/2019
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1352; Calibrated: 11/6/2018
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7450)

LTE Band 48 E-Field measurement/LTE TDD_16QAM_RB 1/49_ch 56640/Hearing Aid Compatibility Test (101x101x1):

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 13.96 V/m; Power Drift = 0.09 dB

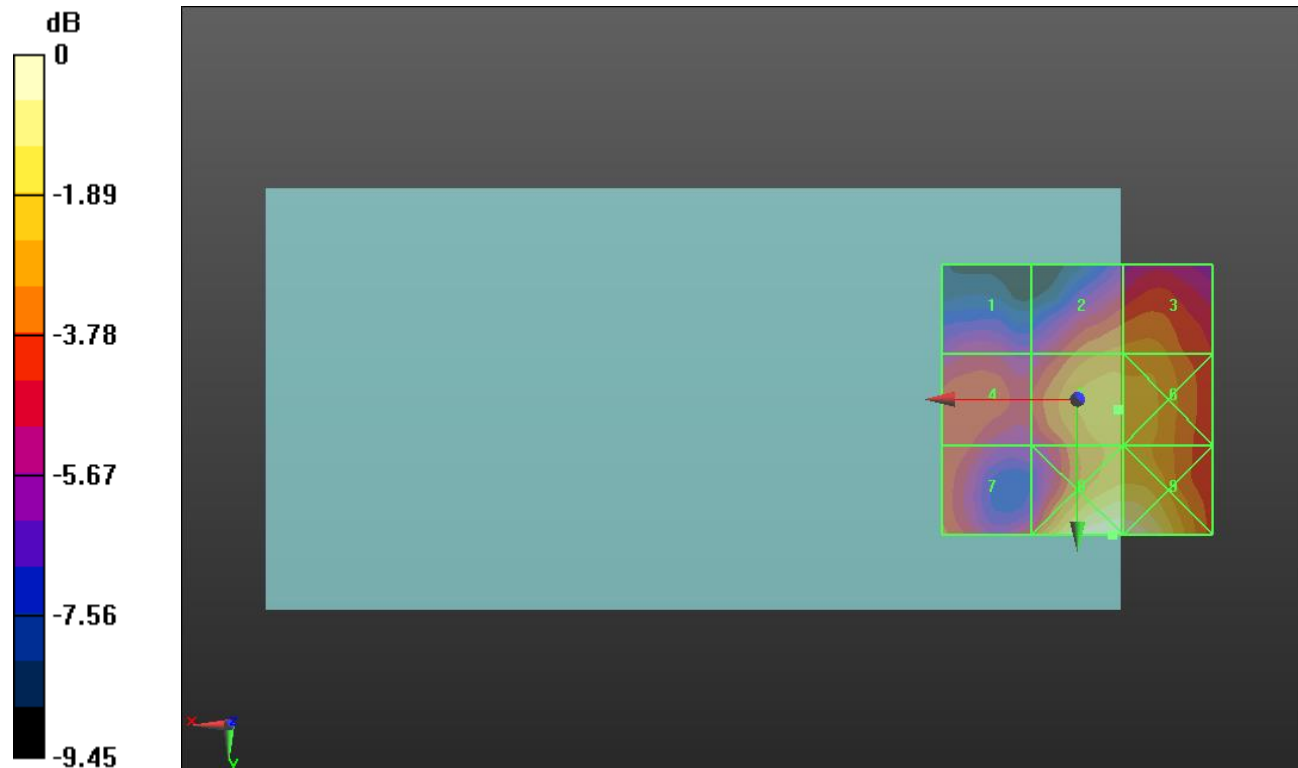
Applied MIF = -1.44 dB

RF audio interference level = 19.59 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 16.68 dBV/m	Grid 2 M4 18.77 dBV/m	Grid 3 M4 18.84 dBV/m
Grid 4 M4 17.81 dBV/m	Grid 5 M4 19.59 dBV/m	Grid 6 M4 19.58 dBV/m
Grid 7 M4 18.17 dBV/m	Grid 8 M4 21.68 dBV/m	Grid 9 M4 21.62 dBV/m



0 dB = 12.13 V/m = 21.68 dBV/m

HAC-RF Emission

Communication System: UID 10077 - CAB, 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: EF3DV3 - SN4041; ConvF(1, 1, 1) @ 2422 MHz; Calibrated: 3/22/2019
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1352; Calibrated: 11/6/2018
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7450)

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 = 53.02 V/m; Power Drift = 0.46 dB

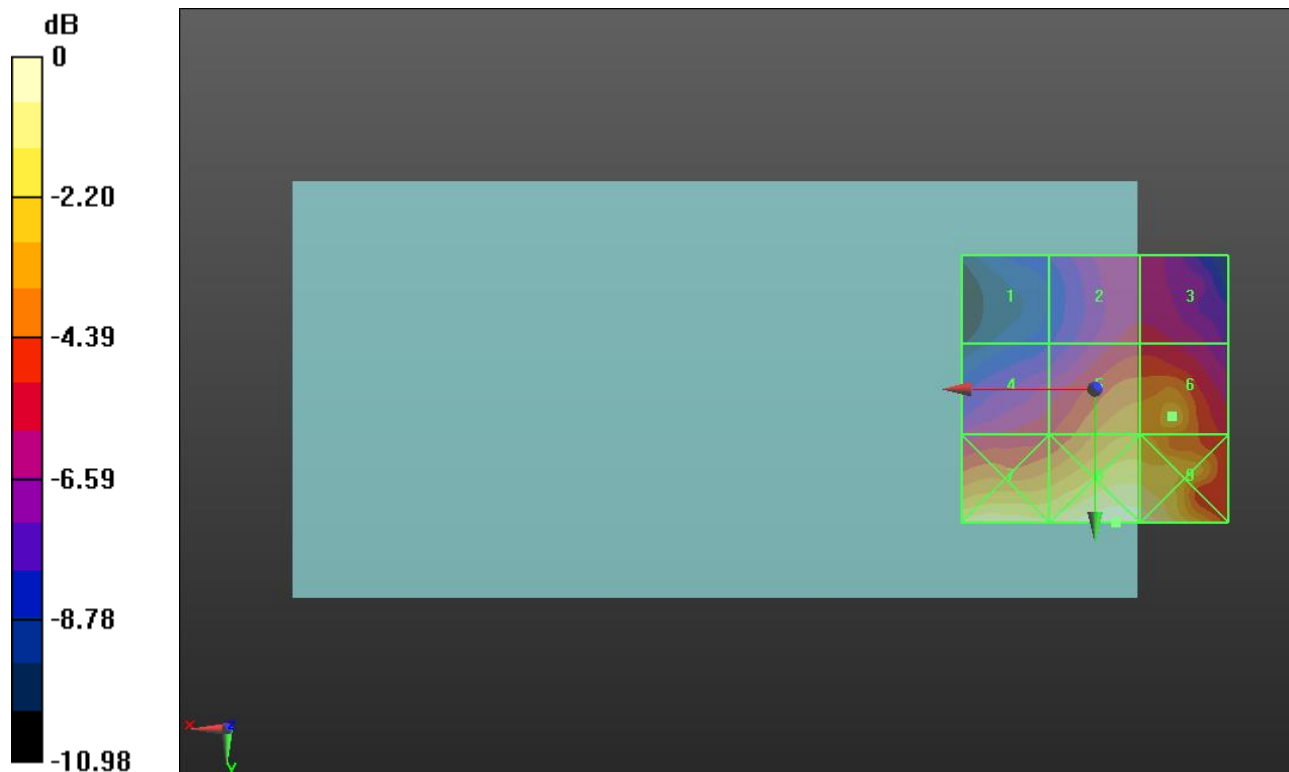
Applied MIF = 0.12 dB

RF audio interference level = 34.06 dBV/m

Emission category: M3

MIF scaled E-field

Grid 1 M4 28.39 dBV/m	Grid 2 M3 30.84 dBV/m	Grid 3 M3 30.84 dBV/m
Grid 4 M3 31.14 dBV/m	Grid 5 M3 33.38 dBV/m	Grid 6 M3 34.06 dBV/m
Grid 7 M2 35.64 dBV/m	Grid 8 M2 36.29 dBV/m	Grid 9 M2 36.09 dBV/m



0 dB = 65.22 V/m = 36.29 dBV/m

HAC-RF Emission

Communication System: UID 10077 - CAB, 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: EF3DV3 - SN4041; ConvF(1, 1, 1) @ 2437 MHz; Calibrated: 3/22/2019
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1352; Calibrated: 11/6/2018
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7450)

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 = 46.57 V/m; Power Drift = 0.46 dB

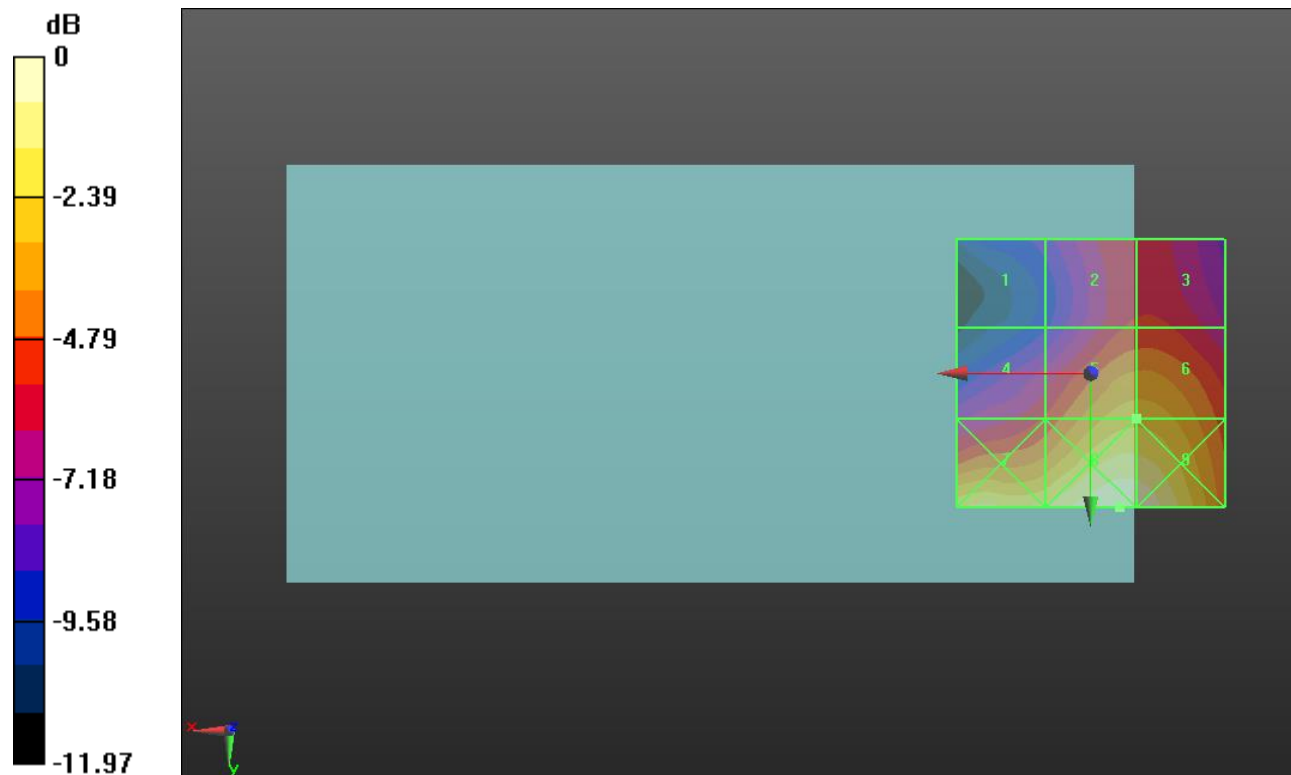
Applied MIF = 0.12 dB

RF audio interference level = 32.87 dBV/m

Emission category: M3

MIF scaled E-field

Grid 1 M4 27.18 dBV/m	Grid 2 M3 30.13 dBV/m	Grid 3 M3 30.18 dBV/m
Grid 4 M3 30.09 dBV/m	Grid 5 M3 32.87 dBV/m	Grid 6 M3 32.87 dBV/m
Grid 7 M3 34.21 dBV/m	Grid 8 M2 35.5 dBV/m	Grid 9 M2 35.45 dBV/m



0 dB = 59.54 V/m = 35.50 dBV/m

HAC-RF Emission

Communication System: UID 10077 - CAB, 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: EF3DV3 - SN4041; ConvF(1, 1, 1) @ 2452 MHz; Calibrated: 3/22/2019
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1352; Calibrated: 11/6/2018
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7450)

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 = 46.81 V/m; Power Drift = 0.25 dB

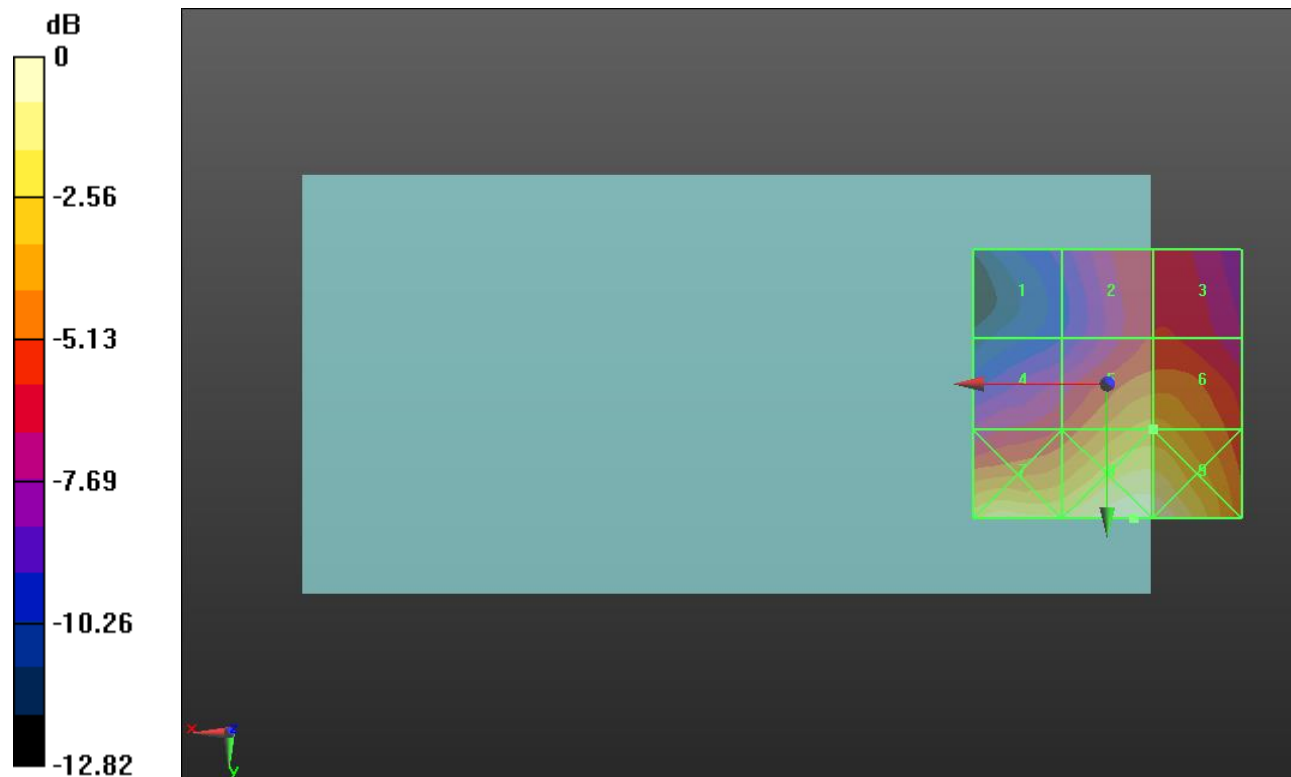
Applied MIF = 0.12 dB

RF audio interference level = 33.09 dBV/m

Emission category: M3

MIF scaled E-field

Grid 1 M4 27.28 dBV/m	Grid 2 M3 30.3 dBV/m	Grid 3 M3 30.36 dBV/m
Grid 4 M3 30.38 dBV/m	Grid 5 M3 33.09 dBV/m	Grid 6 M3 33.09 dBV/m
Grid 7 M2 35.07 dBV/m	Grid 8 M2 36.18 dBV/m	Grid 9 M2 36.08 dBV/m



0 dB = 64.41 V/m = 36.18 dBV/m

HAC-RF Emission

Communication System: UID 10069 - CAB, IEEE 802.11a/h WiFi 5 GHz (OFDM, 54 Mbps); Frequency: 5200 MHz; Duty Cycle: 1:11.3763

Phantom section: RF Section

DASY5 Configuration:

- Probe: EF3DV3 - SN4041; ConvF(1, 1, 1) @ 5200 MHz; Calibrated: 3/22/2019
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1352; Calibrated: 11/6/2018
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7450)

802.11a E-Field measurement/IEEE 802.11a_OFDM 54 Mbps_ch 40/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 = 11.27 V/m; Power Drift = 0.83 dB

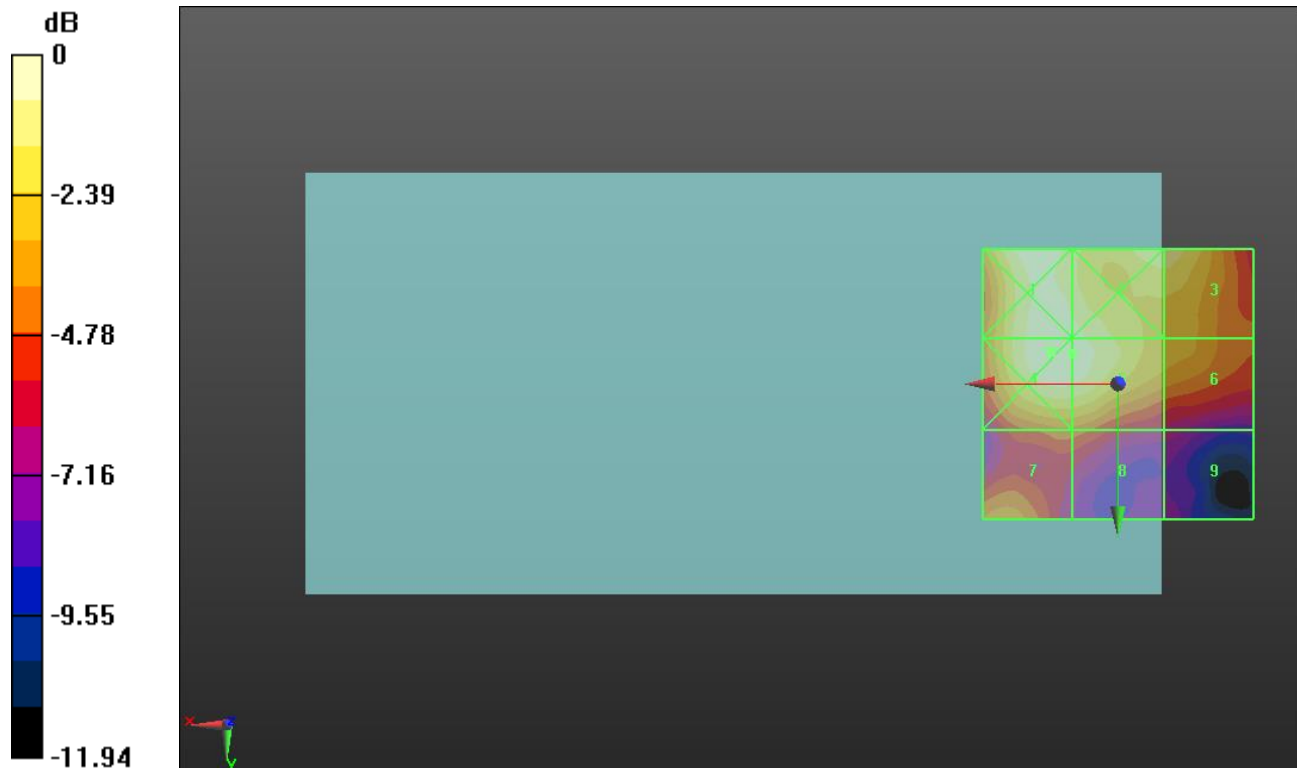
Applied MIF = -3.15 dB

RF audio interference level = 18.09 dBV/m

Emission category: **M4**

MIF scaled E-field

Grid 1 M4 18.12 dBV/m	Grid 2 M4 17.84 dBV/m	Grid 3 M4 17.18 dBV/m
Grid 4 M4 18.25 dBV/m	Grid 5 M4 18.09 dBV/m	Grid 6 M4 15.56 dBV/m
Grid 7 M4 14.93 dBV/m	Grid 8 M4 14.07 dBV/m	Grid 9 M4 11.68 dBV/m



0 dB = 8.177 V/m = 18.25 dBV/m

HAC-RF Emission

Communication System: UID 10069 - CAB, IEEE 802.11a/h WiFi 5 GHz (OFDM, 54 Mbps); Frequency: 5220 MHz; Duty Cycle: 1:11.3763

Phantom section: RF Section

DASY5 Configuration:

- Probe: EF3DV3 - SN4041; ConvF(1, 1, 1) @ 5220 MHz; Calibrated: 3/22/2019
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1352; Calibrated: 11/6/2018
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7450)

802.11a E-Field measurement/IEEE 802.11a_OFDM 54 Mbps_ch 44/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 = 13.96 V/m; Power Drift = -0.05 dB

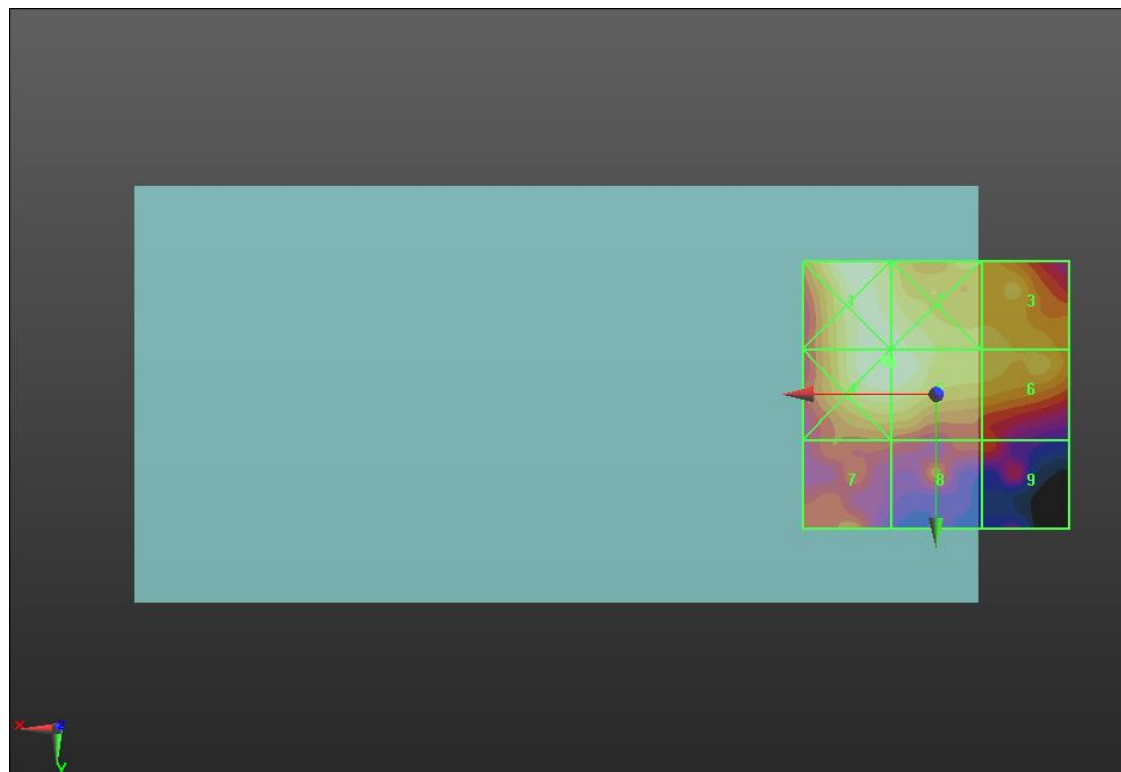
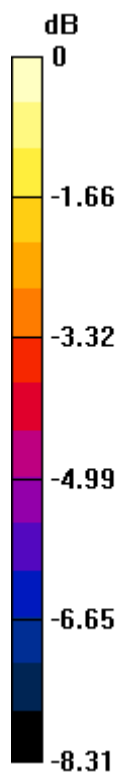
Applied MIF = -3.15 dB

RF audio interference level = 19.53 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 19.43 dBV/m	Grid 2 M4 19.4 dBV/m	Grid 3 M4 18.17 dBV/m
Grid 4 M4 19.55 dBV/m	Grid 5 M4 19.53 dBV/m	Grid 6 M4 18.25 dBV/m
Grid 7 M4 16.82 dBV/m	Grid 8 M4 16.48 dBV/m	Grid 9 M4 16.24 dBV/m



0 dB = 9.496 V/m = 19.55 dBV/m

HAC-RF Emission

Communication System: UID 10069 - CAB, IEEE 802.11a/h WiFi 5 GHz (OFDM, 54 Mbps); Frequency: 5240 MHz; Duty Cycle: 1:11.3763

Phantom section: RF Section

DASY5 Configuration:

- Probe: EF3DV3 - SN4041; ConvF(1, 1, 1) @ 5240 MHz; Calibrated: 3/22/2019
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1352; Calibrated: 11/6/2018
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7450)

802.11a E-Field measurement/IEEE 802.11a_OFDM 54 Mbps_ch 48/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 = 16.00 V/m; Power Drift = -0.91 dB

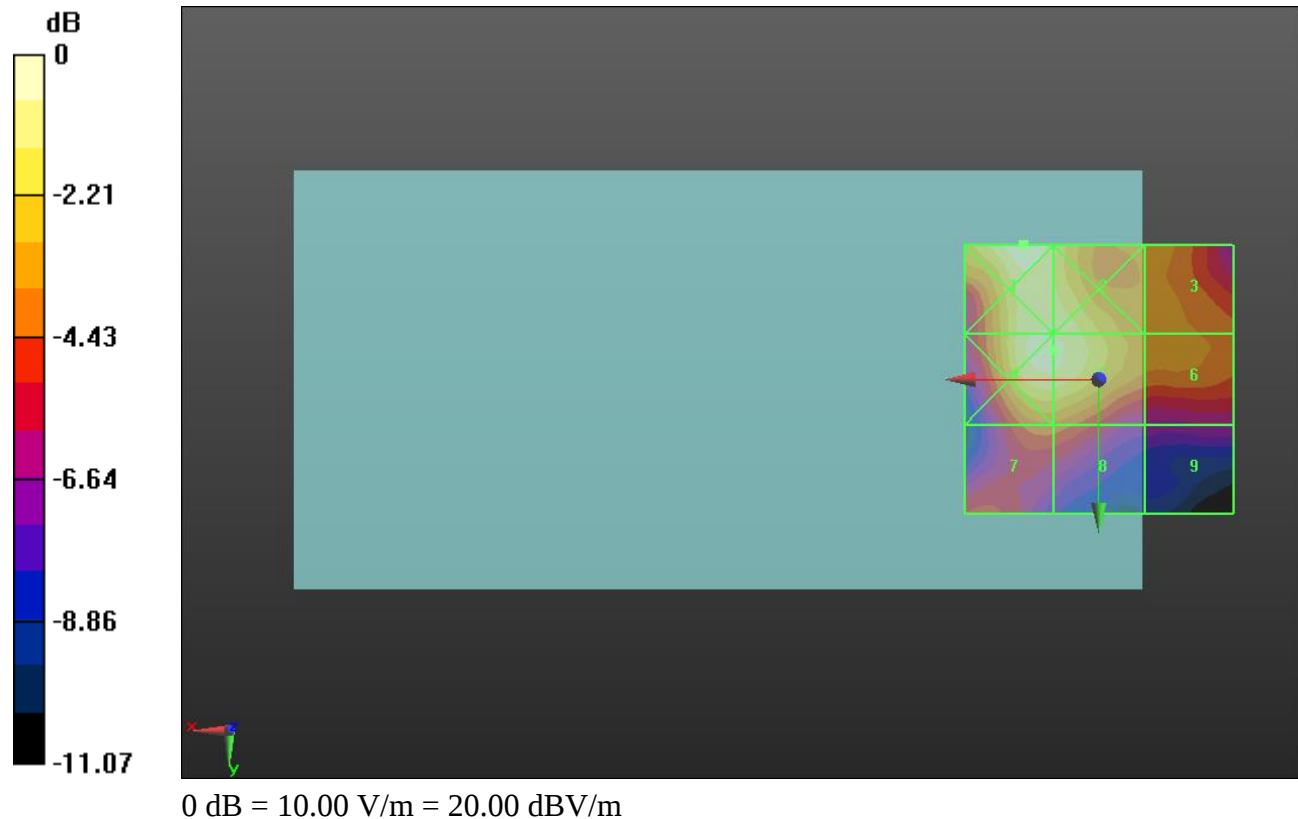
Applied MIF = -3.15 dB

RF audio interference level = 19.50 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 20 dBV/m	Grid 2 M4 19.3 dBV/m	Grid 3 M4 16.99 dBV/m
Grid 4 M4 19.53 dBV/m	Grid 5 M4 19.5 dBV/m	Grid 6 M4 16.91 dBV/m
Grid 7 M4 16.17 dBV/m	Grid 8 M4 16.13 dBV/m	Grid 9 M4 13.45 dBV/m



HAC-RF Emission

Communication System: UID 10069 - CAB, IEEE 802.11a/h WiFi 5 GHz (OFDM, 54 Mbps); Frequency: 5260 MHz; Duty Cycle: 1:11.3763

Phantom section: RF Section

DASY5 Configuration:

- Probe: EF3DV3 - SN4041; ConvF(1, 1, 1) @ 5260 MHz; Calibrated: 3/22/2019
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1352; Calibrated: 11/6/2018
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7450)

802.11a E-Field measurement/IEEE 802.11a_OFDM 54 Mbps_ch 52/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 = 13.54 V/m; Power Drift = 0.12 dB

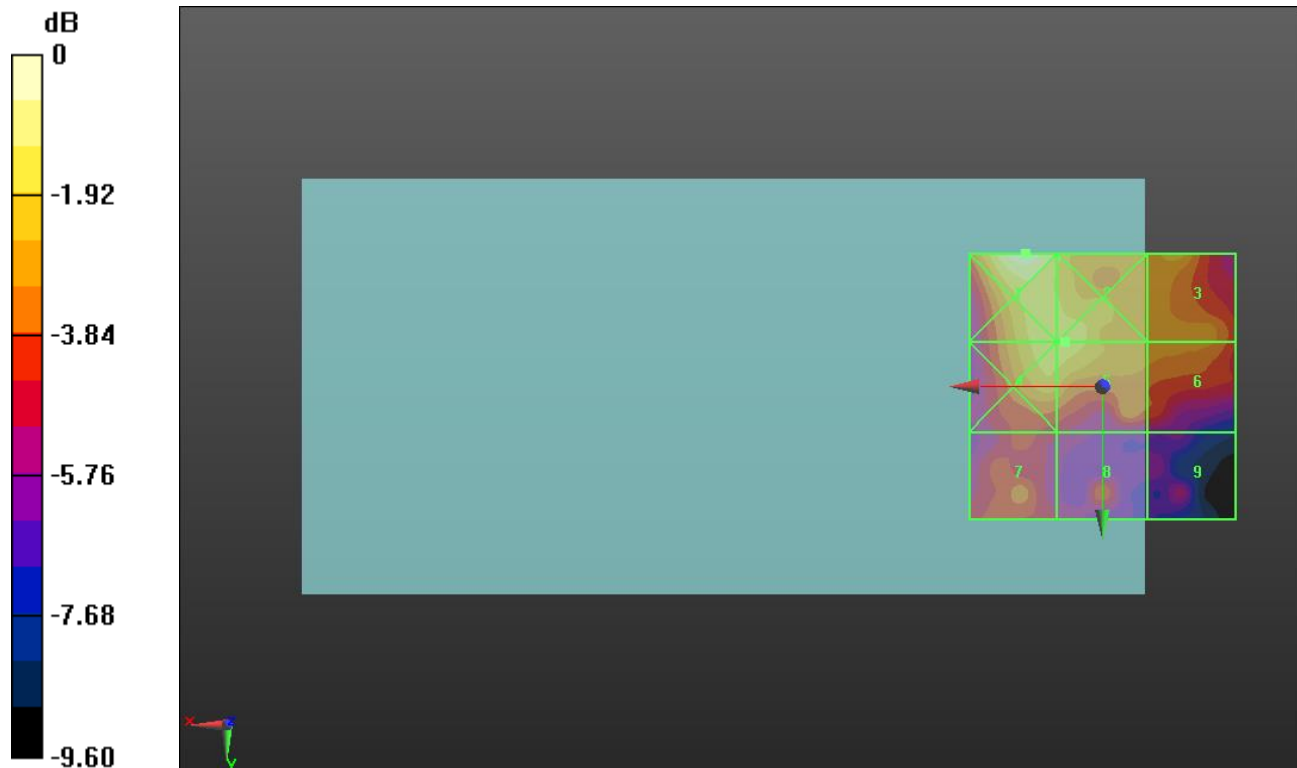
Applied MIF = -3.15 dB

RF audio interference level = 18.90 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 20.39 dBV/m	Grid 2 M4 18.97 dBV/m	Grid 3 M4 18.23 dBV/m
Grid 4 M4 18.87 dBV/m	Grid 5 M4 18.9 dBV/m	Grid 6 M4 17.54 dBV/m
Grid 7 M4 16.85 dBV/m	Grid 8 M4 16.56 dBV/m	Grid 9 M4 14.97 dBV/m



0 dB = 10.46 V/m = 20.39 dBV/m

HAC-RF Emission

Communication System: UID 10069 - CAB, IEEE 802.11a/h WiFi 5 GHz (OFDM, 54 Mbps); Frequency: 5280 MHz; Duty Cycle: 1:11.3763

Phantom section: RF Section

DASY5 Configuration:

- Probe: EF3DV3 - SN4041; ConvF(1, 1, 1) @ 5280 MHz; Calibrated: 3/22/2019
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1352; Calibrated: 11/6/2018
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7450)

802.11a E-Field measurement/IEEE 802.11a_OFDM 54 Mbps_ch 56/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 = 11.03 V/m; Power Drift = 0.10 dB

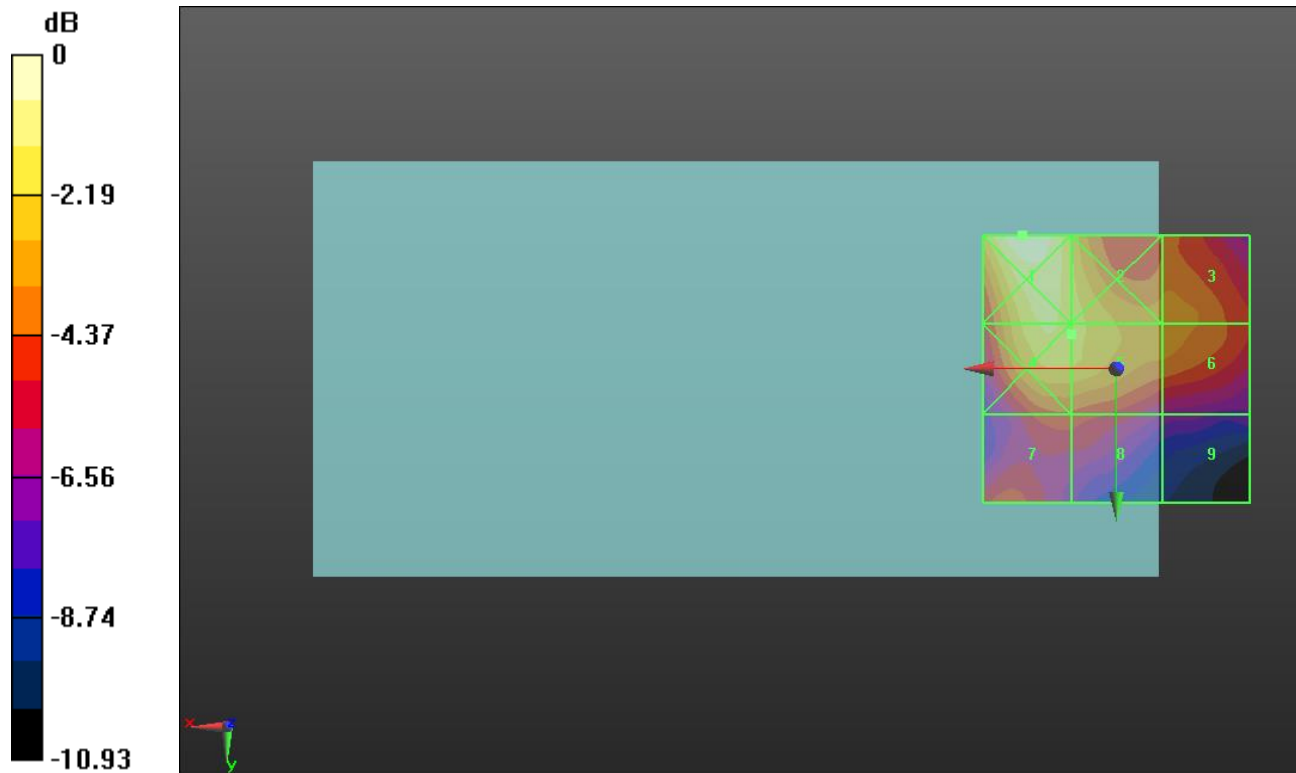
Applied MIF = -3.15 dB

RF audio interference level = 18.31 dBV/m

Emission category: **M4**

MIF scaled E-field

Grid 1 M4 20.01 dBV/m	Grid 2 M4 18.3 dBV/m	Grid 3 M4 16.72 dBV/m
Grid 4 M4 18.65 dBV/m	Grid 5 M4 18.31 dBV/m	Grid 6 M4 16.73 dBV/m
Grid 7 M4 15.56 dBV/m	Grid 8 M4 15.51 dBV/m	Grid 9 M4 13.38 dBV/m



0 dB = 10.01 V/m = 20.01 dBV/m

HAC-RF Emission

Communication System: UID 10069 - CAB, IEEE 802.11a/h WiFi 5 GHz (OFDM, 54 Mbps); Frequency: 5300 MHz; Duty Cycle: 1:11.3763

Phantom section: RF Section

DASY5 Configuration:

- Probe: EF3DV3 - SN4041; ConvF(1, 1, 1) @ 5300 MHz; Calibrated: 3/22/2019
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1352; Calibrated: 11/6/2018
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7450)

802.11a E-Field measurement/IEEE 802.11a_OFDM 54 Mbps_ch 60/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 = 14.61 V/m; Power Drift = -0.97 dB

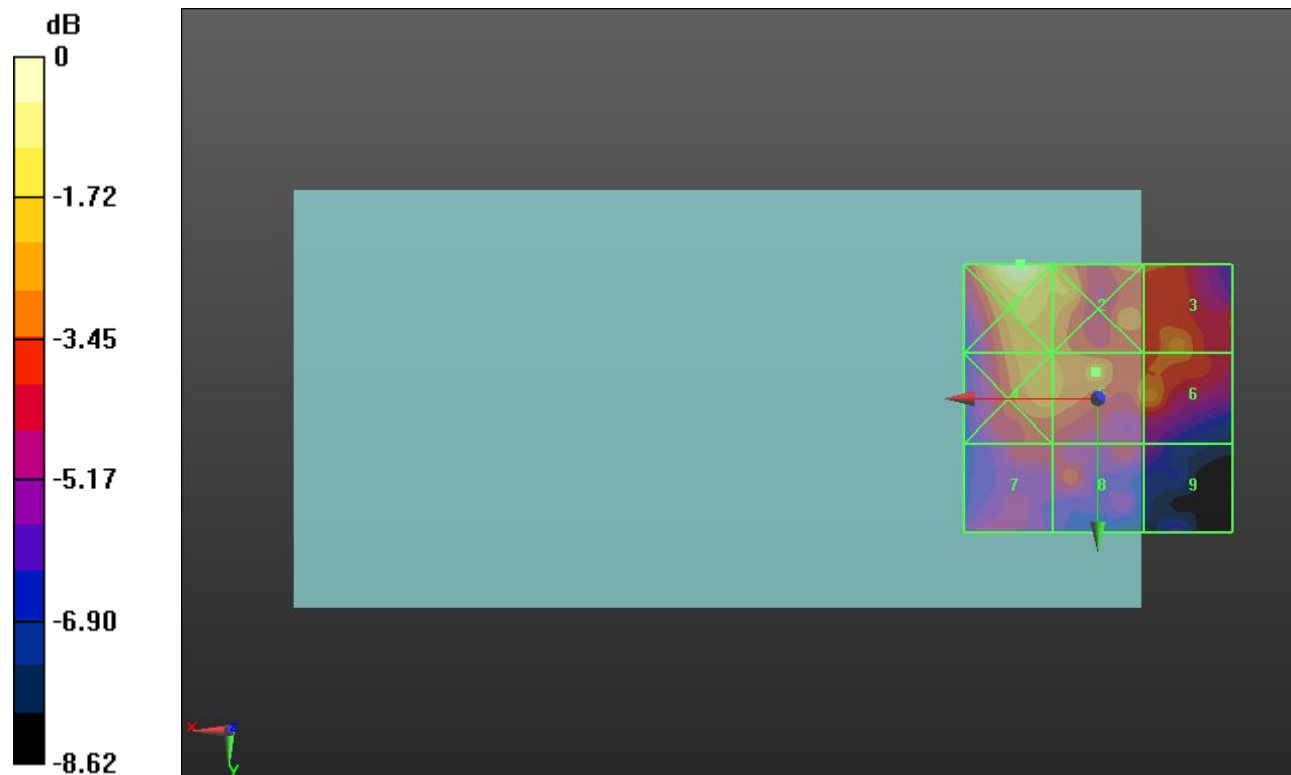
Applied MIF = -3.15 dB

RF audio interference level = 18.23 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 20.77 dBV/m	Grid 2 M4 18.82 dBV/m	Grid 3 M4 18.15 dBV/m
Grid 4 M4 18.29 dBV/m	Grid 5 M4 18.23 dBV/m	Grid 6 M4 18.17 dBV/m
Grid 7 M4 16.75 dBV/m	Grid 8 M4 17.21 dBV/m	Grid 9 M4 15.55 dBV/m



0 dB = 10.92 V/m = 20.76 dBV/m

HAC-RF Emission

Communication System: UID 10069 - CAB, IEEE 802.11a/h WiFi 5 GHz (OFDM, 54 Mbps); Frequency: 5520 MHz; Duty Cycle: 1:11.3763

Phantom section: RF Section

DASY5 Configuration:

- Probe: EF3DV3 - SN4041; ConvF(1, 1, 1) @ 5520 MHz; Calibrated: 3/22/2019
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1352; Calibrated: 11/6/2018
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7450)

802.11a E-Field measurement/IEEE 802.11a_OFDM 54 Mbps_ch 104/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 = 10.43 V/m; Power Drift = -8.90 dB

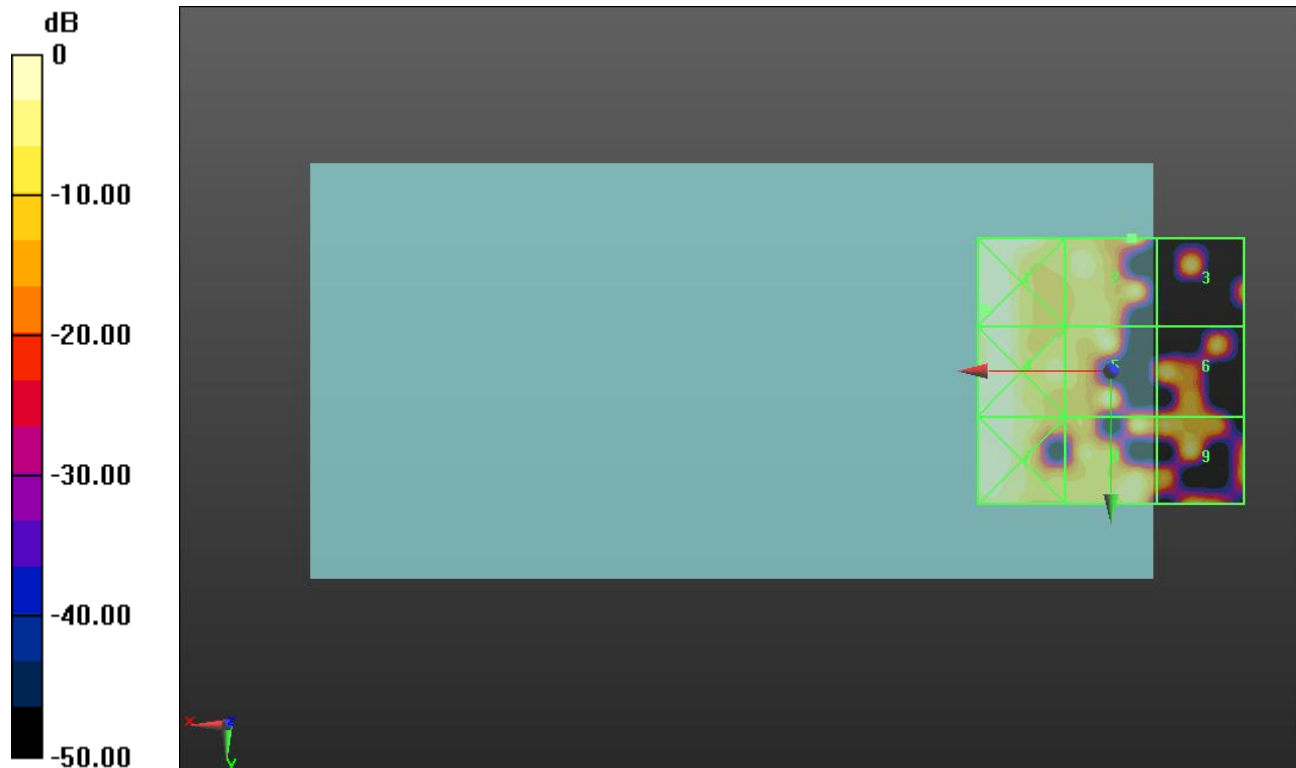
Applied MIF = -3.15 dB

RF audio interference level = 13.13 dBV/m

Emission category: **M4**

MIF scaled E-field

Grid 1 M4 14.72 dBV/m	Grid 2 M4 13.13 dBV/m	Grid 3 M4 11.97 dBV/m
Grid 4 M4 14.32 dBV/m	Grid 5 M4 12.87 dBV/m	Grid 6 M4 11.06 dBV/m
Grid 7 M4 13.67 dBV/m	Grid 8 M4 11.27 dBV/m	Grid 9 M4 11.86 dBV/m



0 dB = 5.447 V/m = 14.72 dBV/m

HAC-RF Emission

Communication System: UID 10069 - CAB, IEEE 802.11a/h WiFi 5 GHz (OFDM, 54 Mbps); Frequency: 5620 MHz; Duty Cycle: 1:11.3763

Phantom section: RF Section

DASY5 Configuration:

- Probe: EF3DV3 - SN4041; ConvF(1, 1, 1) @ 5620 MHz; Calibrated: 3/22/2019
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1352; Calibrated: 11/6/2018
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7450)

802.11a E-Field measurement/IEEE 802.11a_OFDM 54 Mbps_ch 124/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 = 9.396 V/m; Power Drift = -3.49 dB

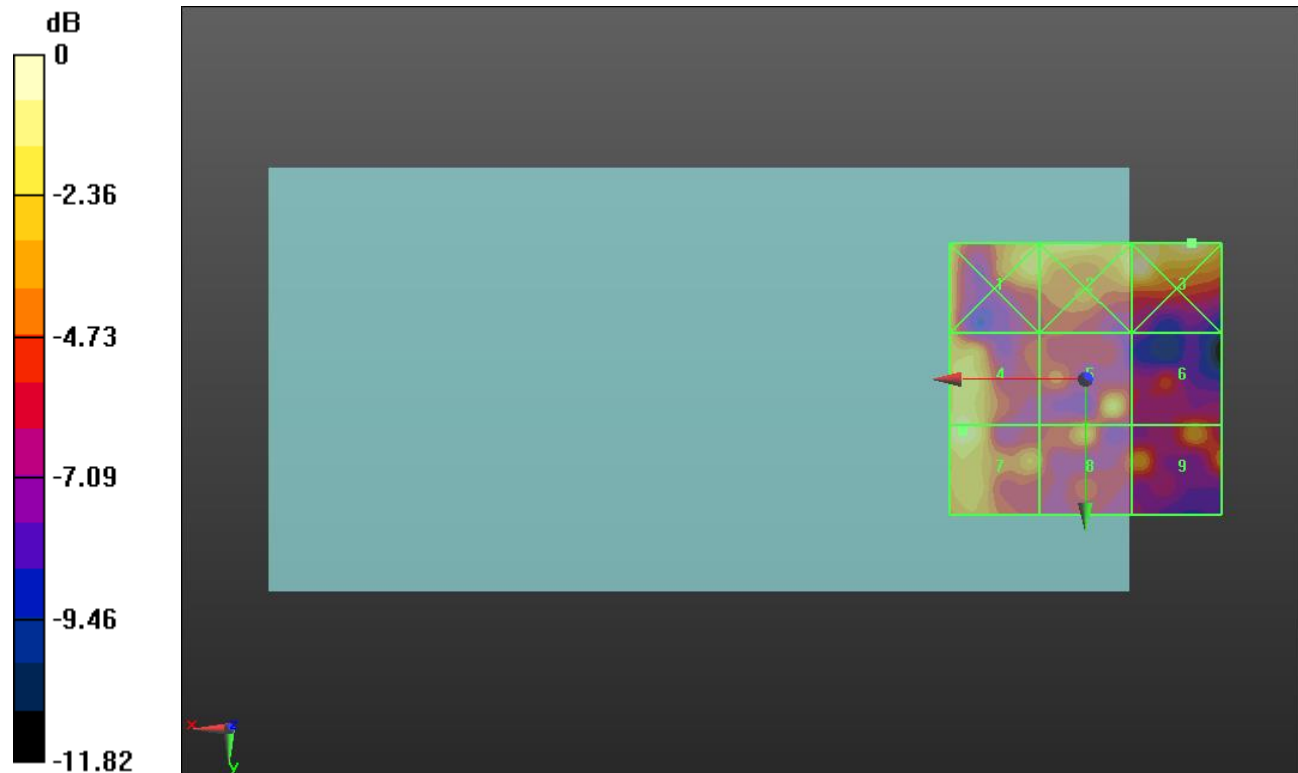
Applied MIF = -3.15 dB

RF audio interference level = 14.93 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 14.64 dBV/m	Grid 2 M4 15.23 dBV/m	Grid 3 M4 16.09 dBV/m
Grid 4 M4 14.86 dBV/m	Grid 5 M4 14.26 dBV/m	Grid 6 M4 12.01 dBV/m
Grid 7 M4 14.93 dBV/m	Grid 8 M4 13.34 dBV/m	Grid 9 M4 12.99 dBV/m



0 dB = 6.373 V/m = 16.09 dBV/m

HAC-RF Emission

Communication System: UID 10069 - CAB, IEEE 802.11a/h WiFi 5 GHz (OFDM, 54 Mbps); Frequency: 5720 MHz; Duty Cycle: 1:11.3763

Phantom section: RF Section

DASY5 Configuration:

- Probe: EF3DV3 - SN4041; ConvF(1, 1, 1) @ 5720 MHz; Calibrated: 3/22/2019
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1352; Calibrated: 11/6/2018
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7450)

802.11a E-Field measurement/IEEE 802.11a_OFDM 54 Mbps_ch 144/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 = 8.354 V/m; Power Drift = -0.54 dB

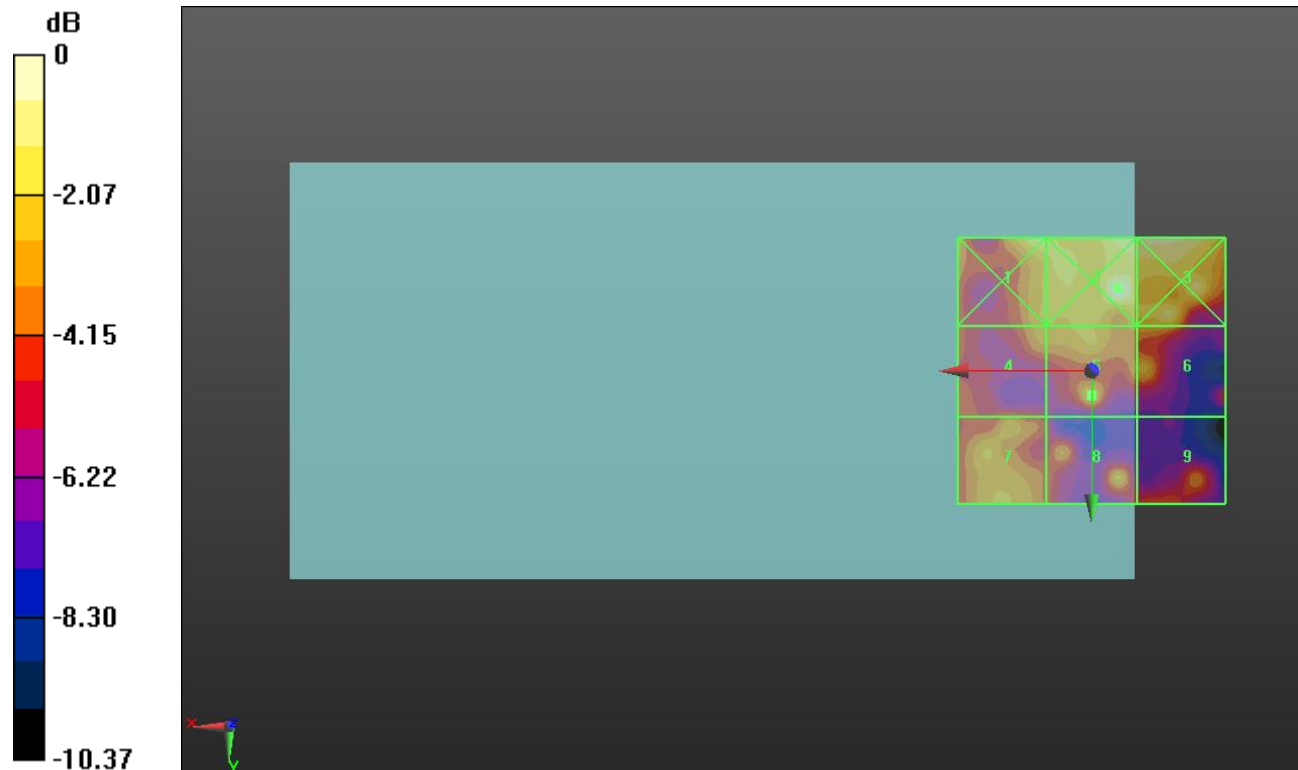
Applied MIF = -3.15 dB

RF audio interference level = 14.50 dBV/m

Emission category: **M4**

MIF scaled E-field

Grid 1 M4 16 dBV/m	Grid 2 M4 16.91 dBV/m	Grid 3 M4 16.6 dBV/m
Grid 4 M4 14.1 dBV/m	Grid 5 M4 14.5 dBV/m	Grid 6 M4 14.46 dBV/m
Grid 7 M4 14.3 dBV/m	Grid 8 M4 14.27 dBV/m	Grid 9 M4 13.46 dBV/m



0 dB = 7.008 V/m = 16.91 dBV/m

HAC-RF Emission

Communication System: UID 10069 - CAB, IEEE 802.11a/h WiFi 5 GHz (OFDM, 54 Mbps); Frequency: 5745 MHz; Duty Cycle: 1:11.3763

Phantom section: RF Section

DASY5 Configuration:

- Probe: EF3DV3 - SN4041; ConvF(1, 1, 1) @ 5745 MHz; Calibrated: 3/22/2019
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1352; Calibrated: 11/6/2018
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7450)

802.11a E-Field measurement/IEEE 802.11a_OFDM 54 Mbps_ch 149/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 = 7.110 V/m; Power Drift = -0.22 dB

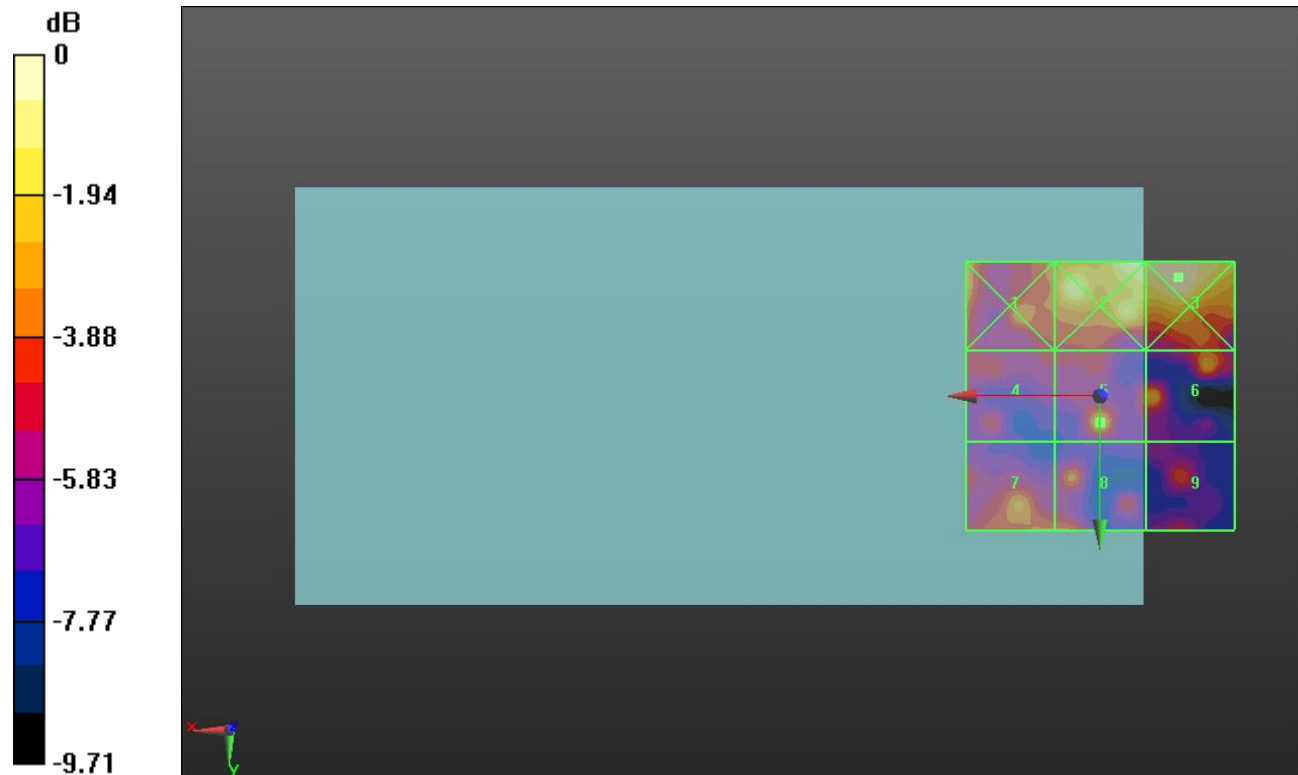
Applied MIF = -3.15 dB

RF audio interference level = 14.65 dBV/m

Emission category: **M4**

MIF scaled E-field

Grid 1 M4 14.73 dBV/m	Grid 2 M4 16.88 dBV/m	Grid 3 M4 17.19 dBV/m
Grid 4 M4 12.61 dBV/m	Grid 5 M4 14.65 dBV/m	Grid 6 M4 14.64 dBV/m
Grid 7 M4 14.2 dBV/m	Grid 8 M4 13.69 dBV/m	Grid 9 M4 13.28 dBV/m



0 dB = 7.233 V/m = 17.19 dBV/m

HAC-RF Emission

Communication System: UID 10069 - CAB, IEEE 802.11a/h WiFi 5 GHz (OFDM, 54 Mbps); Frequency: 5785 MHz; Duty Cycle: 1:11.3763

Phantom section: RF Section

DASY5 Configuration:

- Probe: EF3DV3 - SN4041; ConvF(1, 1, 1) @ 5785 MHz; Calibrated: 3/22/2019
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1352; Calibrated: 11/6/2018
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7450)

802.11a E-Field measurement/spot check IEEE 802.11a_OFDM 54 Mbps_ch 157/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 = 8.039 V/m; Power Drift = -9.27 dB

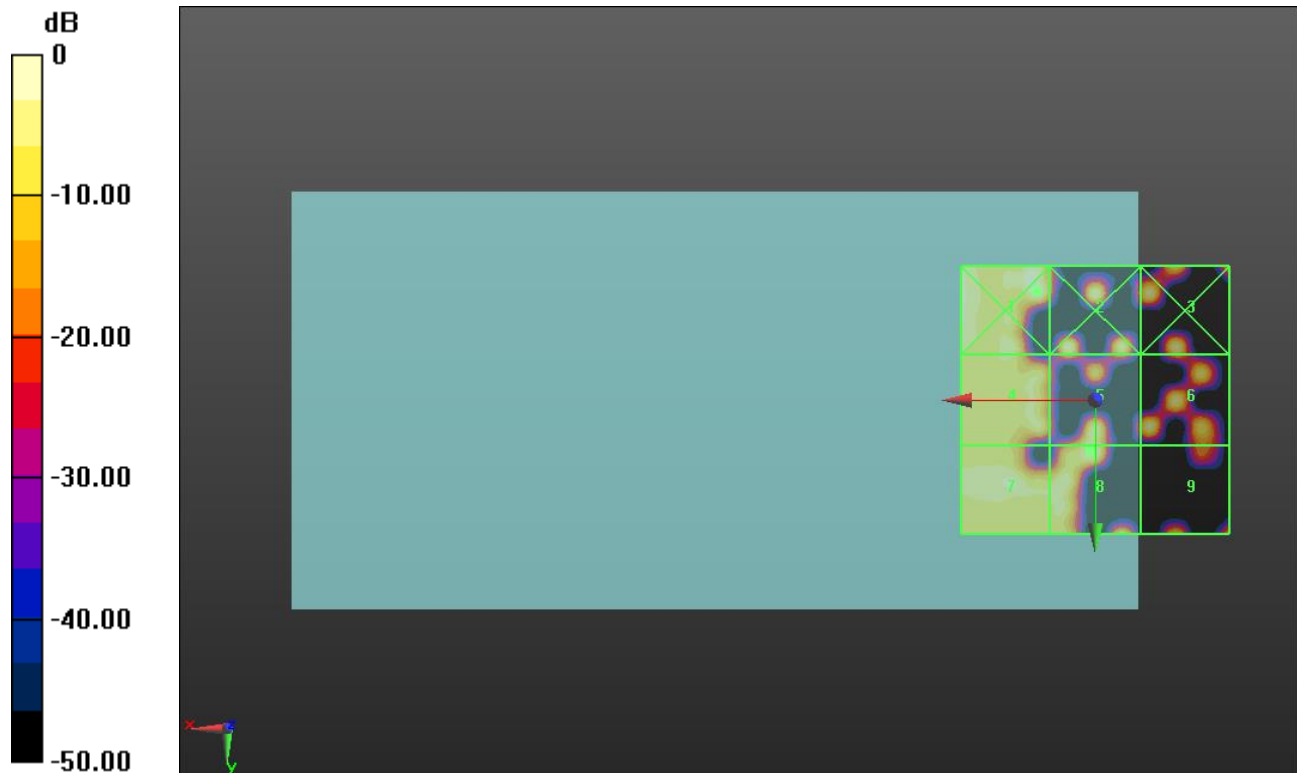
Applied MIF = -3.15 dB

RF audio interference level = 14.19 dBV/m

Emission category: **M4**

MIF scaled E-field

Grid 1 M4 14.98 dBV/m	Grid 2 M4 12.61 dBV/m	Grid 3 M4 12.81 dBV/m
Grid 4 M4 9.74 dBV/m	Grid 5 M4 12.25 dBV/m	Grid 6 M4 12.61 dBV/m
Grid 7 M4 12.35 dBV/m	Grid 8 M4 14.19 dBV/m	Grid 9 M4 9.95 dBV/m



0 dB = 5.608 V/m = 14.98 dBV/m

HAC-RF Emission

Communication System: UID 10069 - CAB, IEEE 802.11a/h WiFi 5 GHz (OFDM, 54 Mbps); Frequency: 5825 MHz; Duty Cycle: 1:11.3763

Phantom section: RF Section

DASY5 Configuration:

- Probe: EF3DV3 - SN4041; ConvF(1, 1, 1) @ 5825 MHz; Calibrated: 3/22/2019
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1352; Calibrated: 11/6/2018
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7450)

802.11a E-Field measurement/IEEE 802.11a_OFDM 54 Mbps_ch 165/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 = 5.263 V/m; Power Drift = -4.08 dB

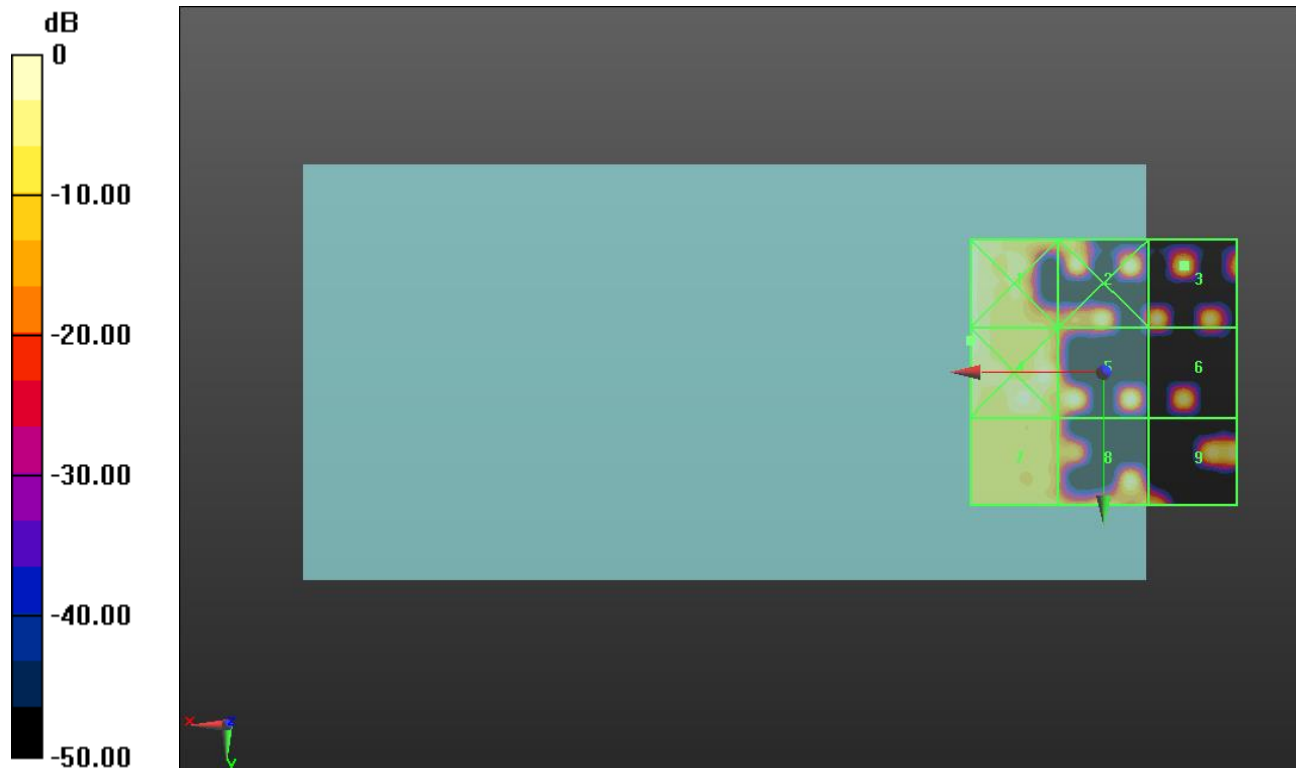
Applied MIF = -3.15 dB

RF audio interference level = 13.16 dBV/m

Emission category: **M4**

MIF scaled E-field

Grid 1 M4 13.37 dBV/m	Grid 2 M4 13.08 dBV/m	Grid 3 M4 13.16 dBV/m
Grid 4 M4 13.59 dBV/m	Grid 5 M4 12.92 dBV/m	Grid 6 M4 10.35 dBV/m
Grid 7 M4 8.9 dBV/m	Grid 8 M4 12.55 dBV/m	Grid 9 M4 10.07 dBV/m



0 dB = 4.782 V/m = 13.59 dBV/m

HAC-RF Emission

Communication System: UID 10173 - CAG, LTE-TDD (SC-FDMA, 1 RB, 20 MHz, 16-QAM); Frequency: 3560 MHz; Duty Cycle: 1:8.87156

Phantom section: RF Section

DASY5 Configuration:

- Probe: EF3DV3 - SN4041; ConvF(1, 1, 1); Calibrated: 3/22/2019;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1352; Calibrated: 11/6/2018
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.8 (8);SEMCAD X Version 14.6.10 (7331)

LTE Band 48 E-Field measurement/LTE TDD_16QAM_RB 1/49_ch 55340/Hearing Aid Compatibility Test (101x101x1):

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 11.74 V/m; Power Drift = 0.00 dB

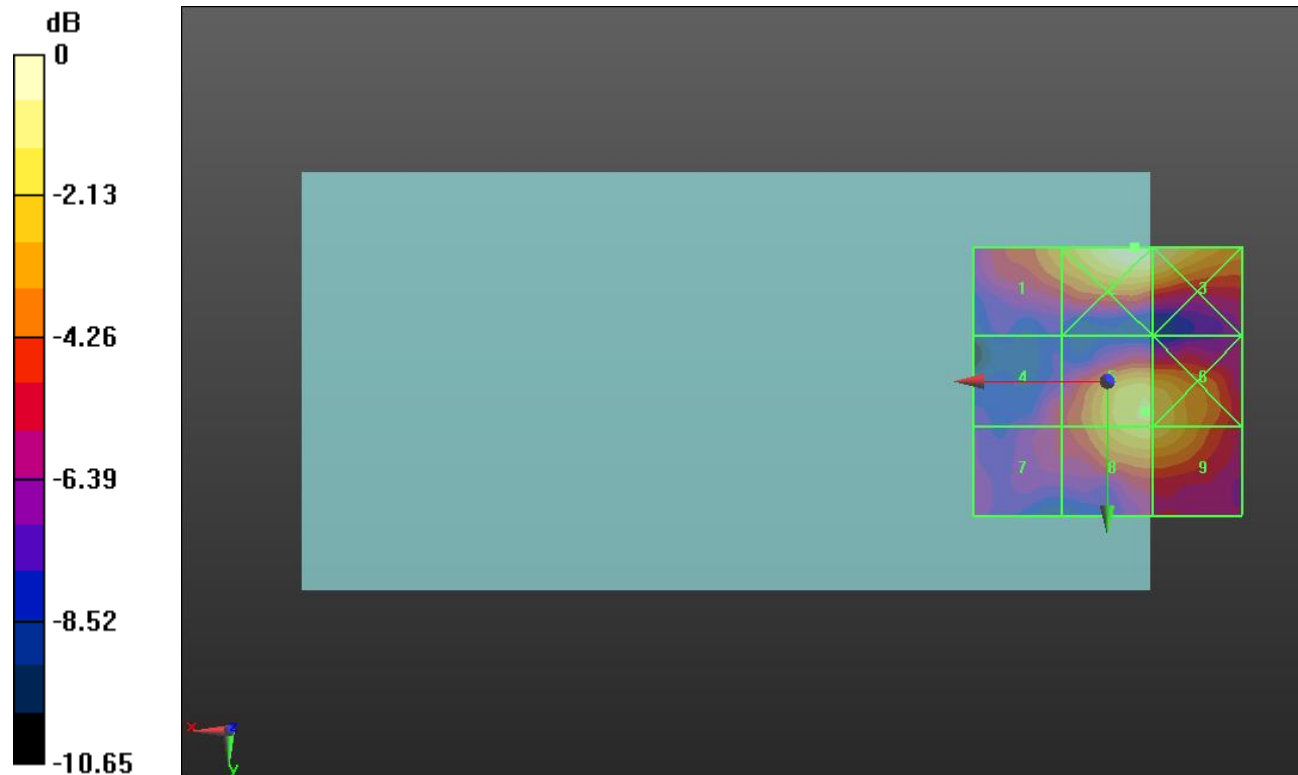
Applied MIF = -1.44 dB

RF audio interference level = 17.23 dBV/m

Emission category: **M4**

MIF scaled E-field

Grid 1 M4 15.8 dBV/m	Grid 2 M4 18.53 dBV/m	Grid 3 M4 18.09 dBV/m
Grid 4 M4 13.35 dBV/m	Grid 5 M4 17.23 dBV/m	Grid 6 M4 17.16 dBV/m
Grid 7 M4 13.25 dBV/m	Grid 8 M4 16.94 dBV/m	Grid 9 M4 16.9 dBV/m



0 dB = 8.444 V/m = 18.53 dBV/m

HAC-RF Emission

Communication System: UID 10173 - CAG, LTE-TDD (SC-FDMA, 1 RB, 20 MHz, 16-QAM); Frequency: 3603.3 MHz; Duty Cycle: 1:8.87156

Phantom section: RF Section

DASY5 Configuration:

- Probe: EF3DV3 - SN4041; ConvF(1, 1, 1); Calibrated: 3/22/2019;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1352; Calibrated: 11/6/2018
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

LTE Band 48 E-Field measurement/LTE TDD_16QAM_RB 1/49_ch 55773/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 = 15.48 V/m; Power Drift = -0.27 dB

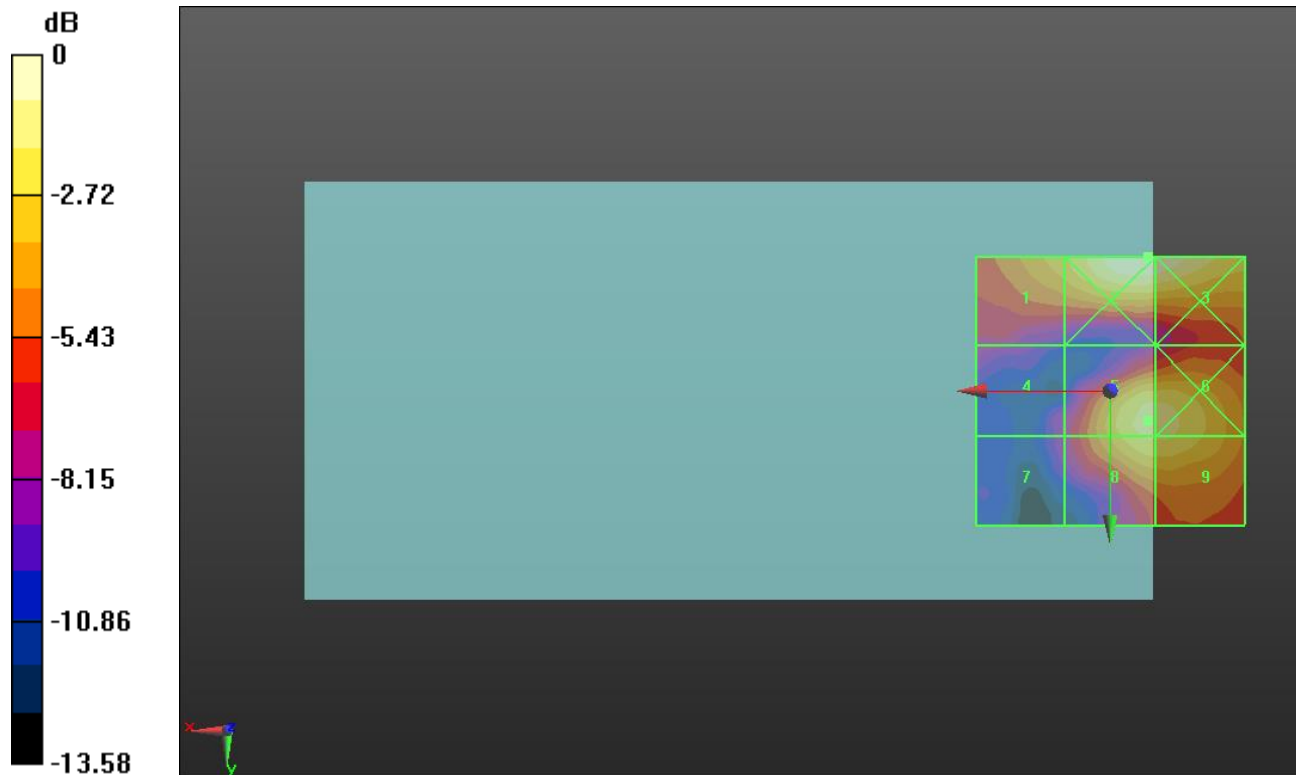
Applied MIF = -1.44 dB

RF audio interference level = 19.60 dBV/m

Emission category: **M4**

MIF scaled E-field

Grid 1 M4 18.19 dBV/m	Grid 2 M4 20.96 dBV/m	Grid 3 M4 20.88 dBV/m
Grid 4 M4 13.42 dBV/m	Grid 5 M4 19.6 dBV/m	Grid 6 M4 19.53 dBV/m
Grid 7 M4 13 dBV/m	Grid 8 M4 19.29 dBV/m	Grid 9 M4 19.29 dBV/m



0 dB = 11.17 V/m = 20.96 dBV/m

HAC-RF Emission

Communication System: UID 10173 - CAG, LTE-TDD (SC-FDMA, 1 RB, 20 MHz, 16-QAM); Frequency: 3646.7 MHz; Duty Cycle: 1:8.87156

Phantom section: RF Section

DASY5 Configuration:

- Probe: EF3DV3 - SN4041; ConvF(1, 1, 1); Calibrated: 3/22/2019;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1352; Calibrated: 11/6/2018
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

LTE Band 48 E-Field measurement/LTE TDD_16QAM_RB 1/49_ch 56207/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 = 14.90 V/m; Power Drift = 0.04 dB

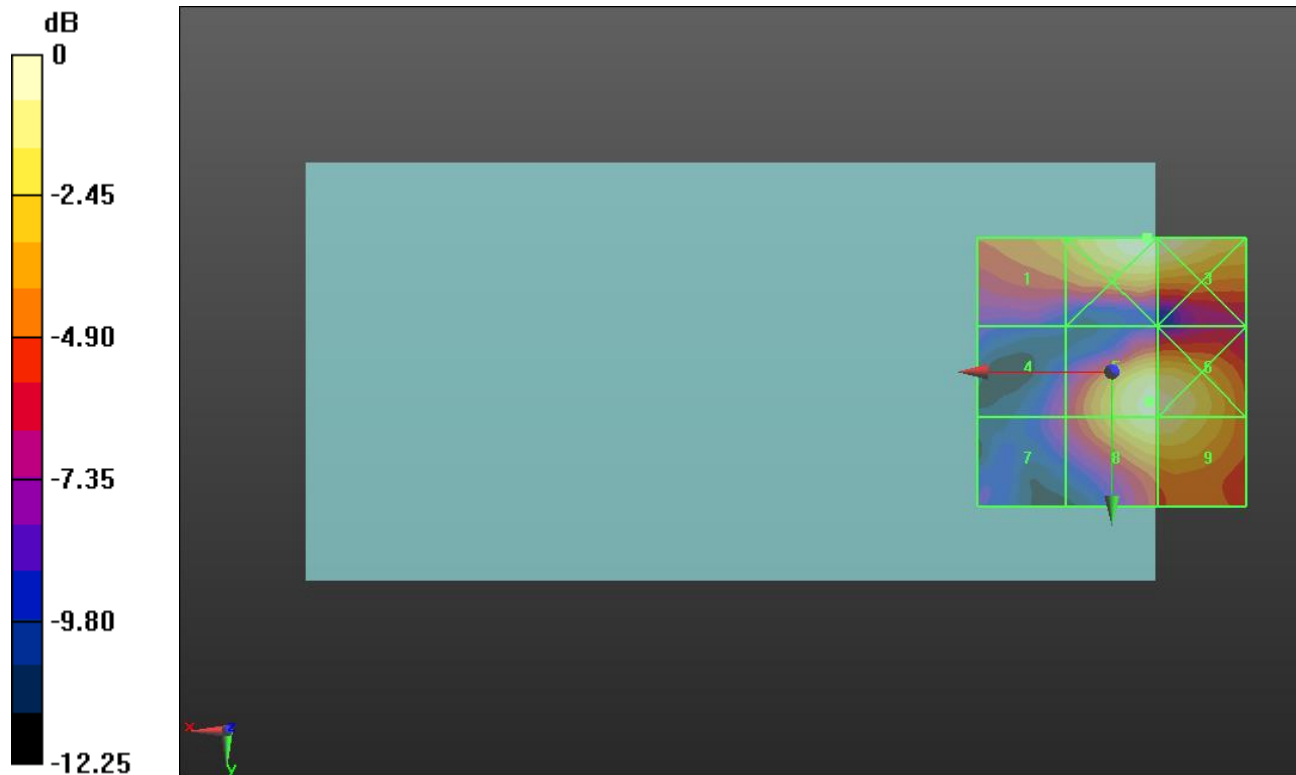
Applied MIF = -1.44 dB

RF audio interference level = 19.57 dBV/m

Emission category: **M4**

MIF scaled E-field

Grid 1 M4 17.08 dBV/m	Grid 2 M4 20.05 dBV/m	Grid 3 M4 19.95 dBV/m
Grid 4 M4 13.46 dBV/m	Grid 5 M4 19.57 dBV/m	Grid 6 M4 19.51 dBV/m
Grid 7 M4 13.45 dBV/m	Grid 8 M4 19.24 dBV/m	Grid 9 M4 19.2 dBV/m



0 dB = 10.06 V/m = 20.05 dBV/m

HAC-RF Emission

Communication System: UID 10173 - CAG, LTE-TDD (SC-FDMA, 1 RB, 20 MHz, 16-QAM); Frequency: 3690 MHz; Duty Cycle: 1:8.87156

Phantom section: RF Section

DASY5 Configuration:

- Probe: EF3DV3 - SN4041; ConvF(1, 1, 1); Calibrated: 3/22/2019;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1352; Calibrated: 11/6/2018
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

LTE Band 48 E-Field measurement/LTE TDD_16QAM_RB 1/49_ch 56640/Hearing Aid Compatibility Test (101x101x1):

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 8.642 V/m; Power Drift = 0.56 dB

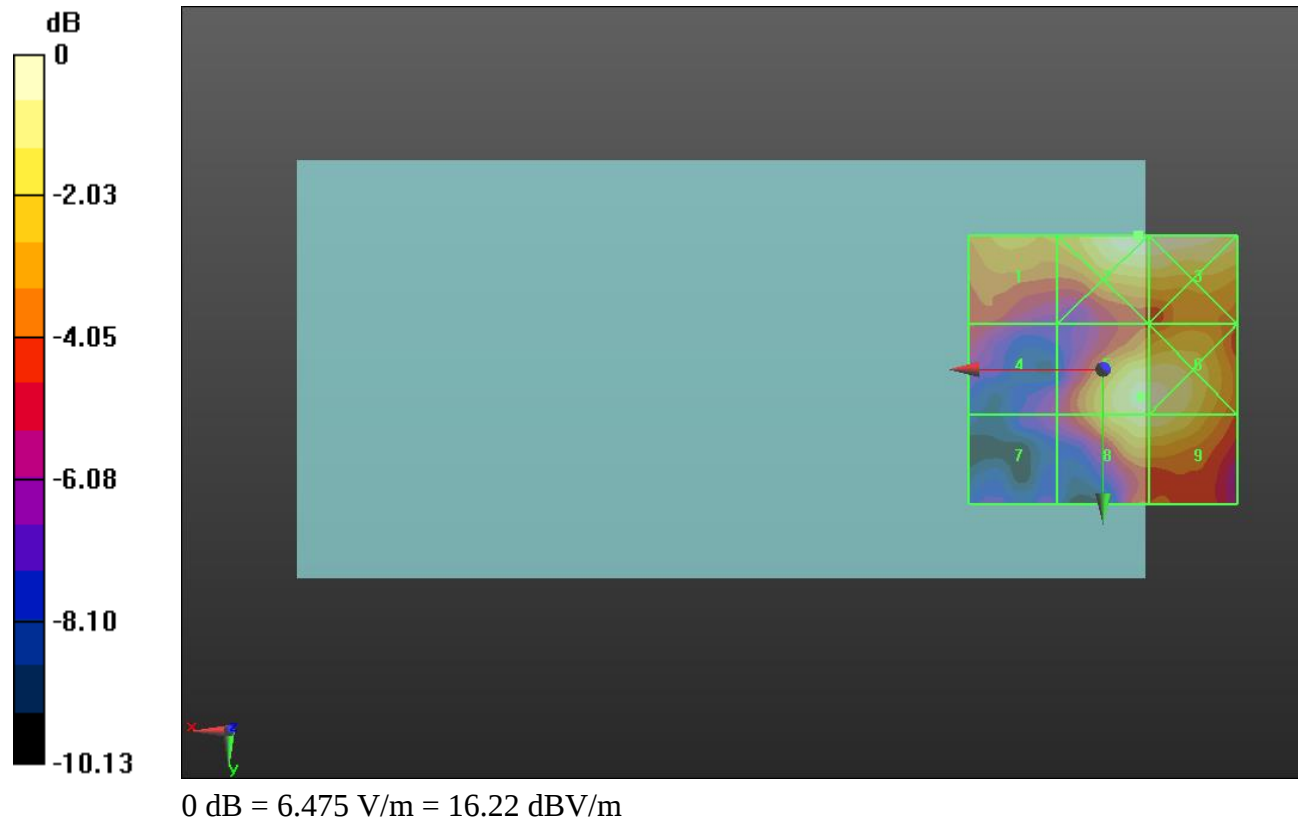
Applied MIF = -1.44 dB

RF audio interference level = 15.79 dBV/m

Emission category: **M4**

MIF scaled E-field

Grid 1 M4 13.72 dBV/m	Grid 2 M4 16.23 dBV/m	Grid 3 M4 16.16 dBV/m
Grid 4 M4 11.62 dBV/m	Grid 5 M4 15.79 dBV/m	Grid 6 M4 15.68 dBV/m
Grid 7 M4 10.52 dBV/m	Grid 8 M4 15.41 dBV/m	Grid 9 M4 15.41 dBV/m



HAC-RF Emission

Communication System: UID 10069 - CAB, IEEE 802.11a/h WiFi 5 GHz (OFDM, 54 Mbps); Frequency: 5200 MHz; Duty Cycle: 1:11.3763

Phantom section: RF Section

DASY5 Configuration:

- Probe: EF3DV3 - SN4041; ConvF(1, 1, 1) @ 5200 MHz; Calibrated: 3/22/2019
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1352; Calibrated: 11/6/2018
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7450)

802.11a E-Field measurement/IEEE 802.11a_OFDM 54 Mbps_ch 40/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 = 21.28 V/m; Power Drift = -0.68 dB

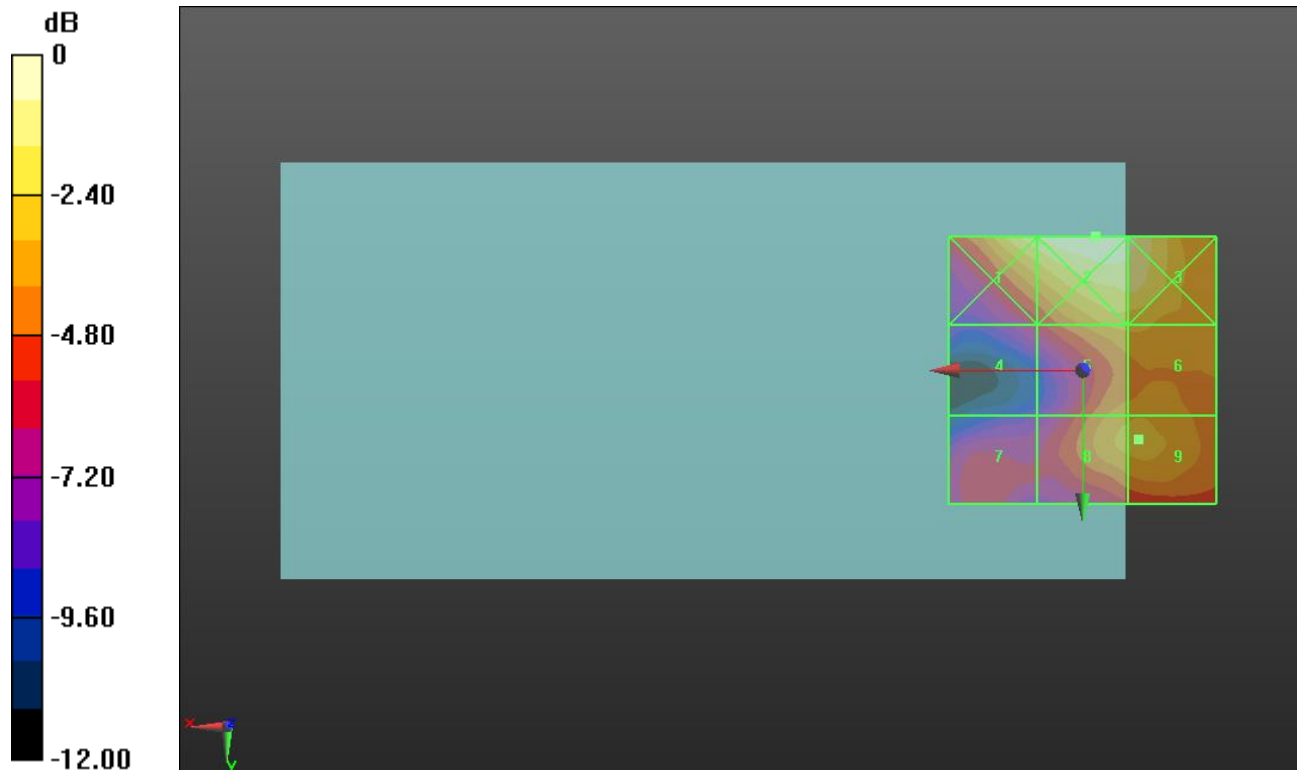
Applied MIF = -3.15 dB

RF audio interference level = 25.47 dBV/m

Emission category: **M4**

MIF scaled E-field

Grid 1 M4 27.57 dBV/m	Grid 2 M4 28.37 dBV/m	Grid 3 M4 27.88 dBV/m
Grid 4 M4 22.38 dBV/m	Grid 5 M4 25.41 dBV/m	Grid 6 M4 25.41 dBV/m
Grid 7 M4 22.54 dBV/m	Grid 8 M4 25.4 dBV/m	Grid 9 M4 25.47 dBV/m



0 dB = 26.20 V/m = 28.37 dBV/m

HAC-RF Emission

Communication System: UID 10069 - CAB, IEEE 802.11a/h WiFi 5 GHz (OFDM, 54 Mbps); Frequency: 5220 MHz; Duty Cycle: 1:11.3763

Phantom section: RF Section

DASY5 Configuration:

- Probe: EF3DV3 - SN4041; ConvF(1, 1, 1) @ 5220 MHz; Calibrated: 3/22/2019
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1352; Calibrated: 11/6/2018
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7450)

802.11a E-Field measurement/IEEE 802.11a_OFDM 54 Mbps_ch 44/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 = 21.49 V/m; Power Drift = 0.01 dB

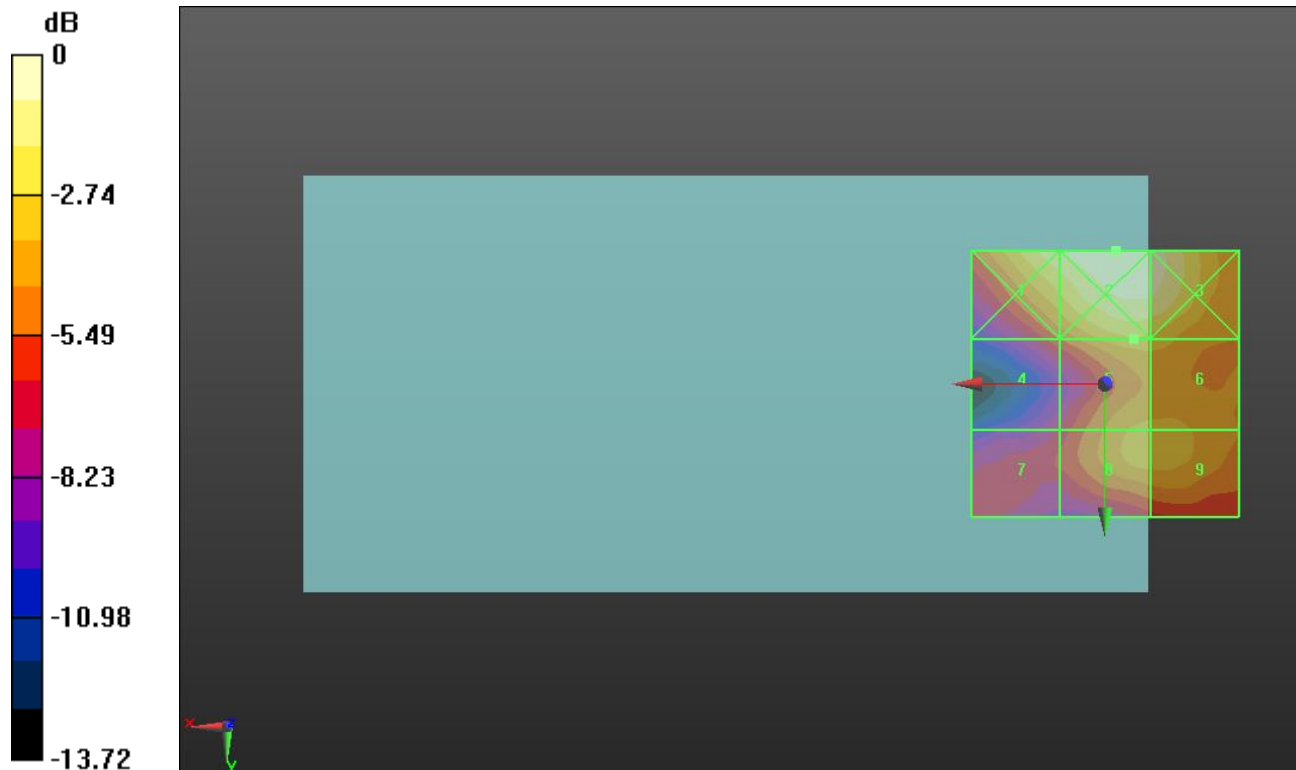
Applied MIF = -3.15 dB

RF audio interference level = 25.92 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 27.81 dBV/m	Grid 2 M4 28.73 dBV/m	Grid 3 M4 28.39 dBV/m
Grid 4 M4 23.25 dBV/m	Grid 5 M4 25.92 dBV/m	Grid 6 M4 25.75 dBV/m
Grid 7 M4 22.49 dBV/m	Grid 8 M4 25.61 dBV/m	Grid 9 M4 25.62 dBV/m



0 dB = 27.33 V/m = 28.73 dBV/m

HAC-RF Emission

Communication System: UID 10069 - CAB, IEEE 802.11a/h WiFi 5 GHz (OFDM, 54 Mbps); Frequency: 5240 MHz; Duty Cycle: 1:11.3763

Phantom section: RF Section

DASY5 Configuration:

- Probe: EF3DV3 - SN4041; ConvF(1, 1, 1) @ 5240 MHz; Calibrated: 3/22/2019
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1352; Calibrated: 11/6/2018
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7450)

802.11a E-Field measurement/IEEE 802.11a_OFDM 54 Mbps_ch 48/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 = 22.99 V/m; Power Drift = -0.15 dB

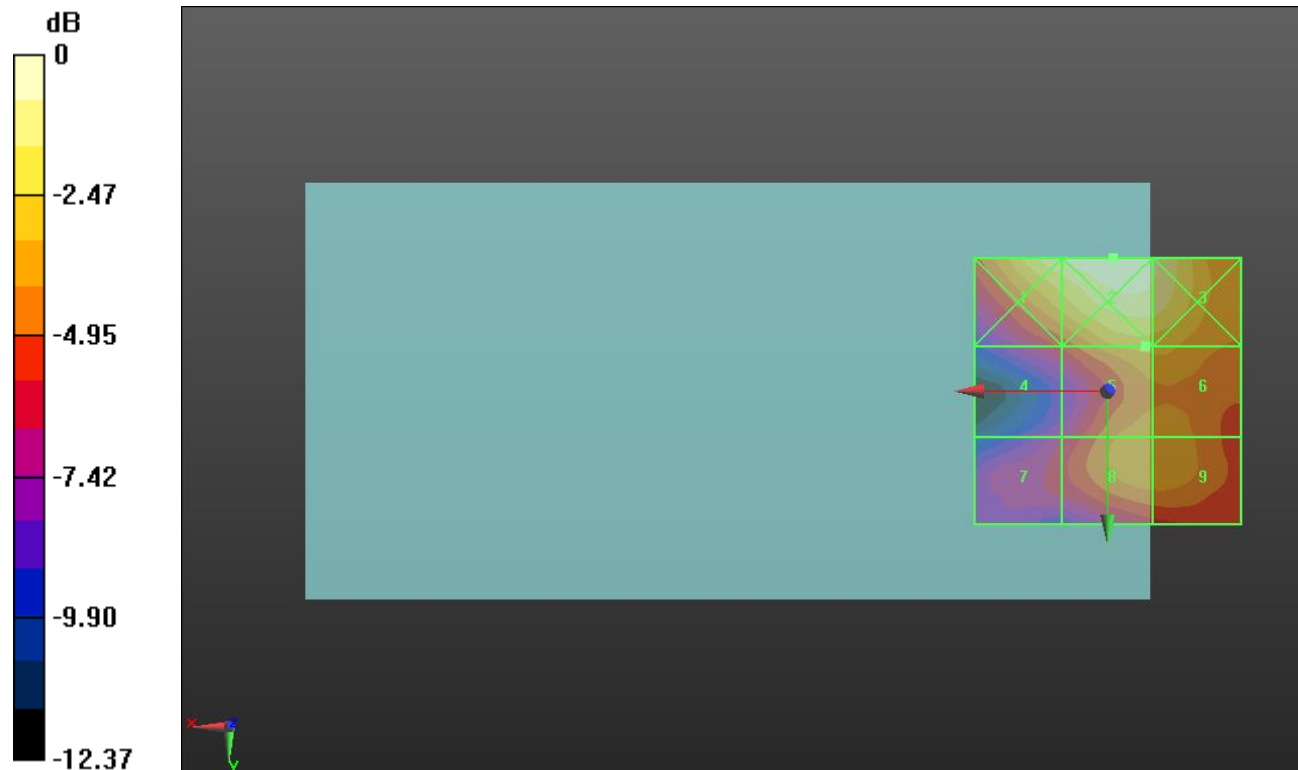
Applied MIF = -3.15 dB

RF audio interference level = 26.11 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 28.32 dBV/m	Grid 2 M4 29.03 dBV/m	Grid 3 M4 28.45 dBV/m
Grid 4 M4 23.52 dBV/m	Grid 5 M4 26.11 dBV/m	Grid 6 M4 26.09 dBV/m
Grid 7 M4 23.03 dBV/m	Grid 8 M4 25.7 dBV/m	Grid 9 M4 25.69 dBV/m



0 dB = 28.30 V/m = 29.04 dBV/m

HAC-RF Emission

Communication System: UID 10069 - CAB, IEEE 802.11a/h WiFi 5 GHz (OFDM, 54 Mbps); Frequency: 5260 MHz; Duty Cycle: 1:11.3763

Phantom section: RF Section

DASY5 Configuration:

- Probe: EF3DV3 - SN4041; ConvF(1, 1, 1) @ 5260 MHz; Calibrated: 3/22/2019
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1352; Calibrated: 11/6/2018
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7450)

802.11a E-Field measurement/IEEE 802.11a_OFDM 54 Mbps_ch 52/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 = 23.37 V/m; Power Drift = -0.07 dB

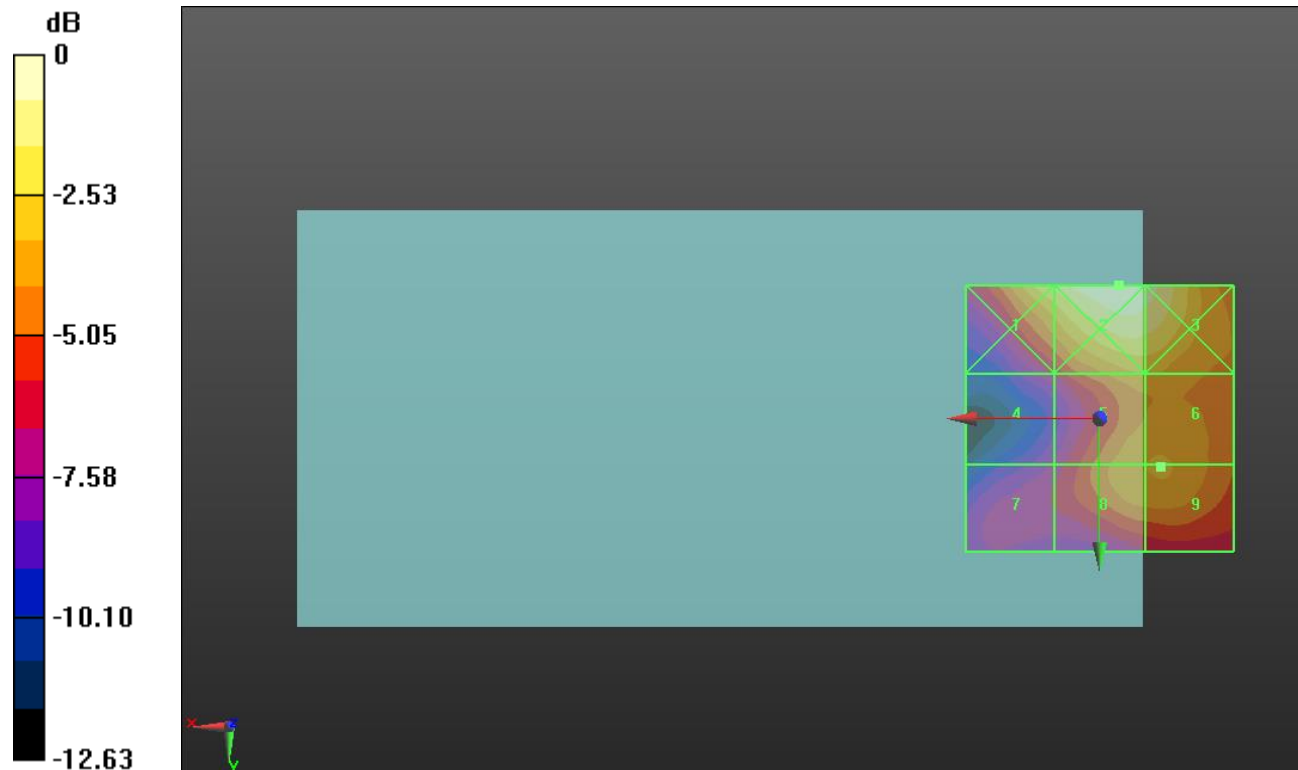
Applied MIF = -3.15 dB

RF audio interference level = 26.24 dBV/m

Emission category: **M4**

MIF scaled E-field

Grid 1 M4 28.18 dBV/m	Grid 2 M4 29.52 dBV/m	Grid 3 M4 29.14 dBV/m
Grid 4 M4 23 dBV/m	Grid 5 M4 26.2 dBV/m	Grid 6 M4 26.23 dBV/m
Grid 7 M4 22.91 dBV/m	Grid 8 M4 26.17 dBV/m	Grid 9 M4 26.24 dBV/m



0 dB = 29.93 V/m = 29.52 dBV/m

HAC-RF Emission

Communication System: UID 10069 - CAB, IEEE 802.11a/h WiFi 5 GHz (OFDM, 54 Mbps); Frequency: 5280 MHz; Duty Cycle: 1:11.3763

Phantom section: RF Section

DASY5 Configuration:

- Probe: EF3DV3 - SN4041; ConvF(1, 1, 1) @ 5280 MHz; Calibrated: 3/22/2019
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1352; Calibrated: 11/6/2018
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7450)

802.11a E-Field measurement/IEEE 802.11a_OFDM 54 Mbps_ch 56/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 = 22.22 V/m; Power Drift = -0.13 dB

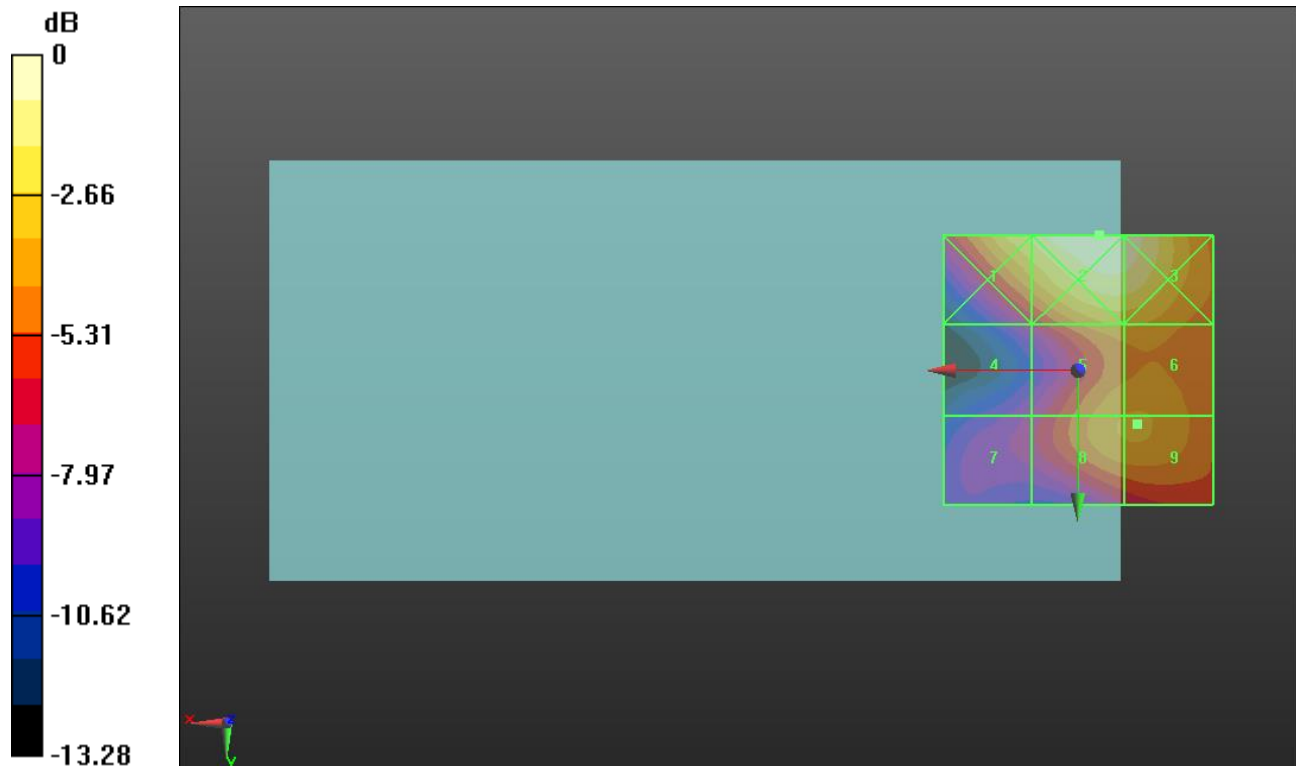
Applied MIF = -3.15 dB

RF audio interference level = 26.38 dBV/m

Emission category: **M4**

MIF scaled E-field

Grid 1 M4 28.4 dBV/m	Grid 2 M4 29.76 dBV/m	Grid 3 M4 29.5 dBV/m
Grid 4 M4 22.71 dBV/m	Grid 5 M4 26.3 dBV/m	Grid 6 M4 26.34 dBV/m
Grid 7 M4 22.57 dBV/m	Grid 8 M4 26.3 dBV/m	Grid 9 M4 26.38 dBV/m



0 dB = 30.76 V/m = 29.76 dBV/m

HAC-RF Emission

Communication System: UID 10069 - CAB, IEEE 802.11a/h WiFi 5 GHz (OFDM, 54 Mbps); Frequency: 5300 MHz; Duty Cycle: 1:11.3763

Phantom section: RF Section

DASY5 Configuration:

- Probe: EF3DV3 - SN4041; ConvF(1, 1, 1) @ 5300 MHz; Calibrated: 3/22/2019
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1352; Calibrated: 11/6/2018
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7450)

802.11a E-Field measurement/IEEE 802.11a_OFDM 54 Mbps_ch 60/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 = 24.18 V/m; Power Drift = -0.13 dB

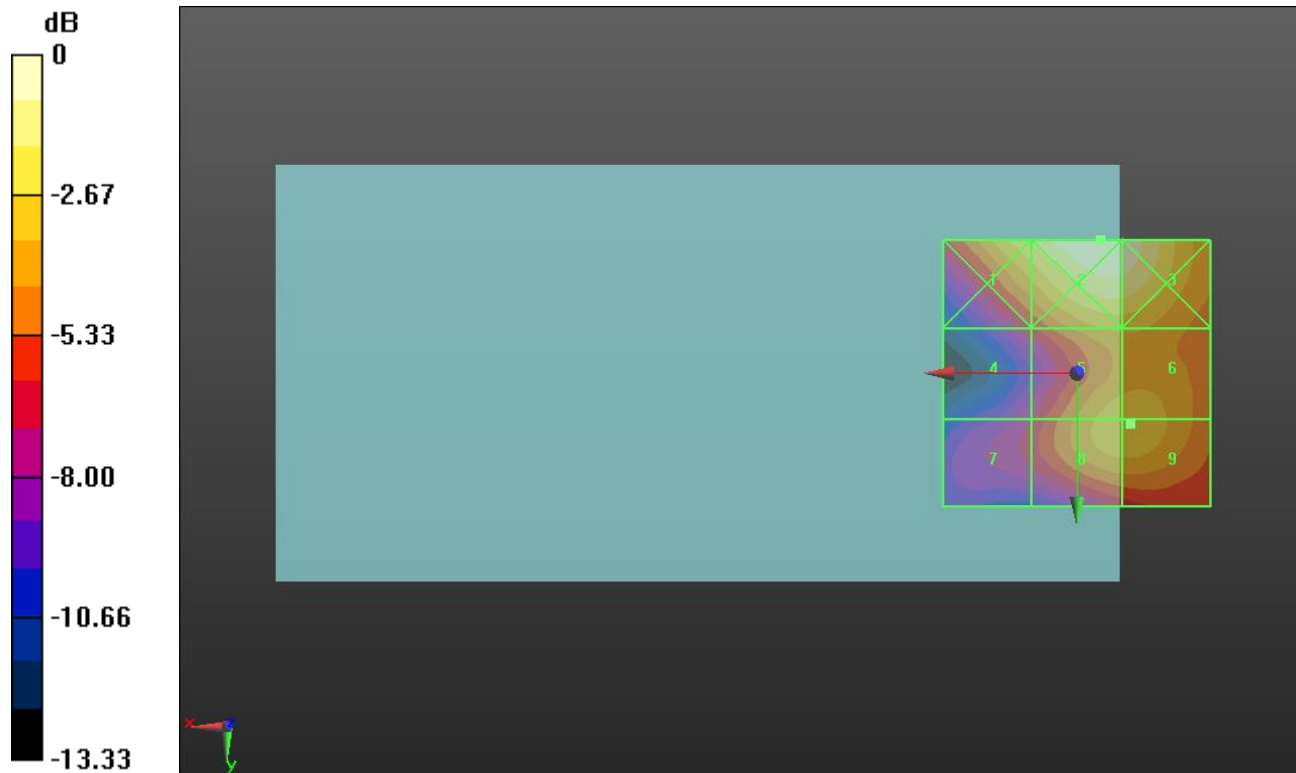
Applied MIF = -3.15 dB

RF audio interference level = 26.90 dBV/m

Emission category: **M4**

MIF scaled E-field

Grid 1 M4 28.25 dBV/m	Grid 2 M4 29.82 dBV/m	Grid 3 M4 29.62 dBV/m
Grid 4 M4 23.48 dBV/m	Grid 5 M4 26.84 dBV/m	Grid 6 M4 26.87 dBV/m
Grid 7 M4 23.26 dBV/m	Grid 8 M4 26.88 dBV/m	Grid 9 M4 26.9 dBV/m



0 dB = 30.98 V/m = 29.82 dBV/m

HAC-RF Emission

Communication System: UID 10069 - CAB, IEEE 802.11a/h WiFi 5 GHz (OFDM, 54 Mbps); Frequency: 5520 MHz; Duty Cycle: 1:11.3763

Phantom section: RF Section

DASY5 Configuration:

- Probe: EF3DV3 - SN4041; ConvF(1, 1, 1) @ 5520 MHz; Calibrated: 3/22/2019
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1352; Calibrated: 11/6/2018
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7450)

802.11a E-Field measurement/IEEE 802.11a_OFDM 54 Mbps_ch 104/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 = 25.37 V/m; Power Drift = -0.06 dB

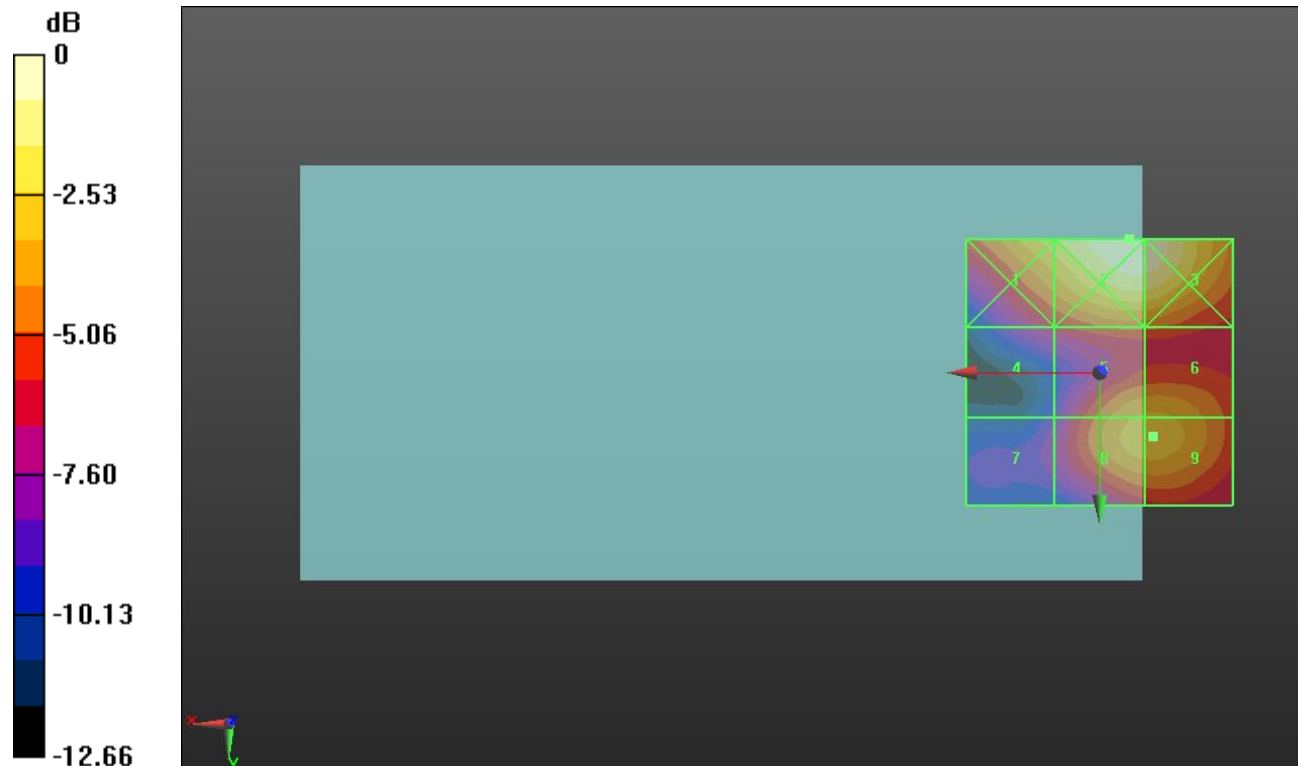
Applied MIF = -3.15 dB

RF audio interference level = 29.00 dBV/m

Emission category: **M4**

MIF scaled E-field

Grid 1 M4 29.97 dBV/m	Grid 2 M3 31.83 dBV/m	Grid 3 M3 31.72 dBV/m
Grid 4 M4 25.49 dBV/m	Grid 5 M4 28.65 dBV/m	Grid 6 M4 28.69 dBV/m
Grid 7 M4 24.19 dBV/m	Grid 8 M4 28.98 dBV/m	Grid 9 M4 29 dBV/m



0 dB = 39.06 V/m = 31.83 dBV/m

HAC-RF Emission

Communication System: UID 10069 - CAB, IEEE 802.11a/h WiFi 5 GHz (OFDM, 54 Mbps); Frequency: 5620 MHz; Duty Cycle: 1:11.3763

Phantom section: RF Section

DASY5 Configuration:

- Probe: EF3DV3 - SN4041; ConvF(1, 1, 1) @ 5620 MHz; Calibrated: 3/22/2019
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1352; Calibrated: 11/6/2018
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7450)

802.11a E-Field measurement/IEEE 802.11a_OFDM 54 Mbps_ch 124/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 = 19.87 V/m; Power Drift = -0.04 dB

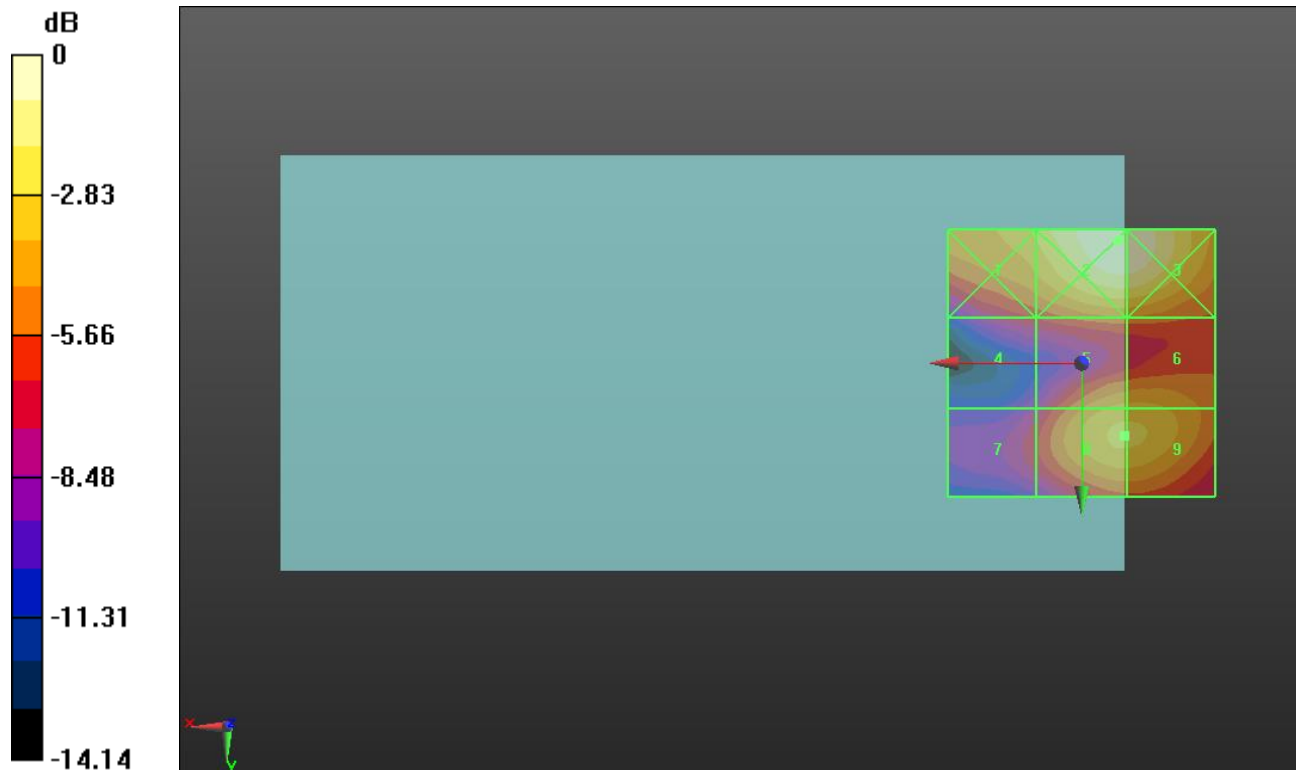
Applied MIF = -3.15 dB

RF audio interference level = 28.28 dBV/m

Emission category: **M4**

MIF scaled E-field

Grid 1 M4 28.32 dBV/m	Grid 2 M3 30.9 dBV/m	Grid 3 M3 30.86 dBV/m
Grid 4 M4 24.43 dBV/m	Grid 5 M4 27.5 dBV/m	Grid 6 M4 27.54 dBV/m
Grid 7 M4 24.2 dBV/m	Grid 8 M4 28.28 dBV/m	Grid 9 M4 28.28 dBV/m



0 dB = 35.06 V/m = 30.90 dBV/m

HAC-RF Emission

Communication System: UID 10069 - CAB, IEEE 802.11a/h WiFi 5 GHz (OFDM, 54 Mbps); Frequency: 5720 MHz; Duty Cycle: 1:11.3763

Phantom section: RF Section

DASY5 Configuration:

- Probe: EF3DV3 - SN4041; ConvF(1, 1, 1) @ 5720 MHz; Calibrated: 3/22/2019
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1352; Calibrated: 11/6/2018
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7450)

802.11a E-Field measurement/IEEE 802.11a_OFDM 54 Mbps_ch 144/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 = -0.07 dB

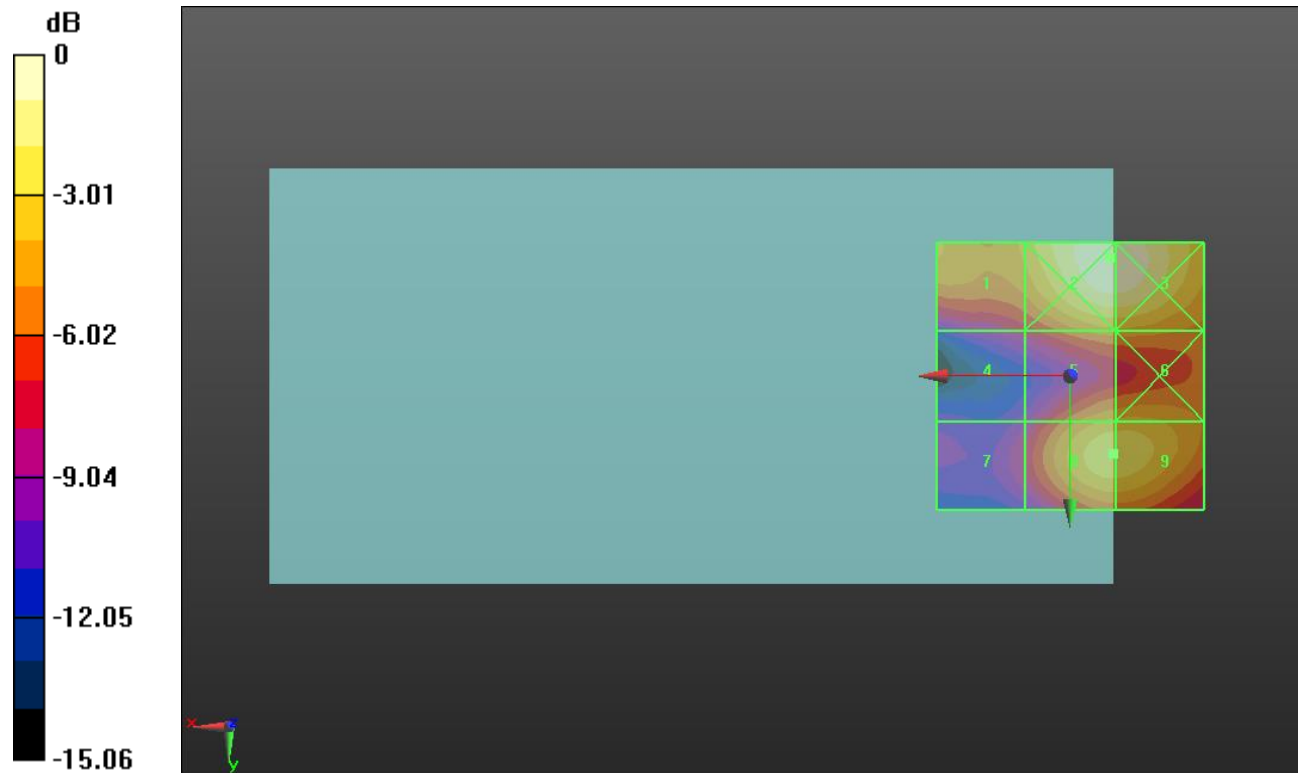
Applied MIF = -3.15 dB

RF audio interference level = 27.97 dBV/m

Emission category: **M4**

MIF scaled E-field

Grid 1 M4 26.56 dBV/m	Grid 2 M3 30.26 dBV/m	Grid 3 M3 30.25 dBV/m
Grid 4 M4 22.67 dBV/m	Grid 5 M4 26.55 dBV/m	Grid 6 M4 26.67 dBV/m
Grid 7 M4 22.45 dBV/m	Grid 8 M4 27.97 dBV/m	Grid 9 M4 27.97 dBV/m



0 dB = 32.59 V/m = 30.26 dBV/m

HAC-RF Emission

Communication System: UID 10069 - CAB, IEEE 802.11a/h WiFi 5 GHz (OFDM, 54 Mbps); Frequency: 5745 MHz; Duty Cycle: 1:11.3763

Phantom section: RF Section

DASY5 Configuration:

- Probe: EF3DV3 - SN4041; ConvF(1, 1, 1) @ 5745 MHz; Calibrated: 3/22/2019
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1352; Calibrated: 11/6/2018
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7450)

802.11a E-Field measurement/IEEE 802.11a_OFDM 54 Mbps_ch 149/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 = 25.42 V/m; Power Drift = -0.10 dB

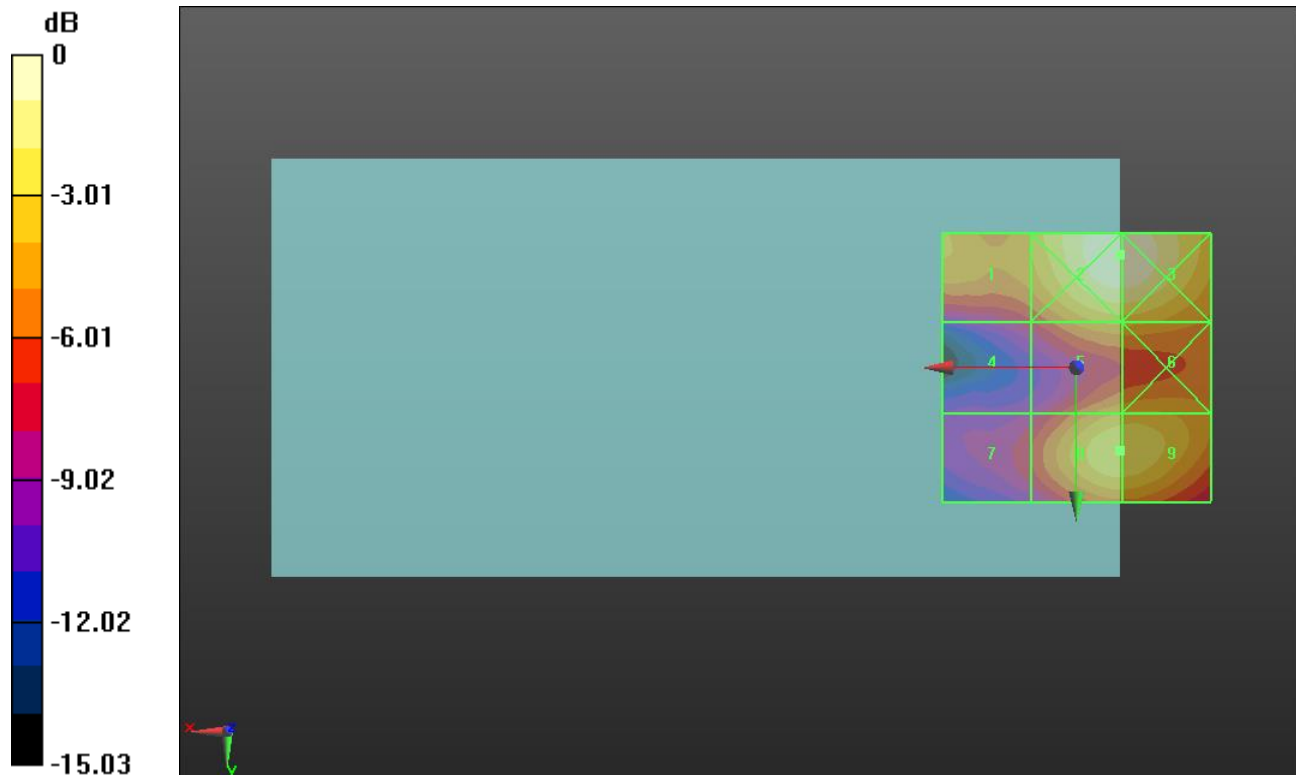
Applied MIF = -3.15 dB

RF audio interference level = 27.60 dBV/m

Emission category: **M4**

MIF scaled E-field

Grid 1 M4 26.01 dBV/m	Grid 2 M4 29.67 dBV/m	Grid 3 M4 29.66 dBV/m
Grid 4 M4 22.5 dBV/m	Grid 5 M4 25.99 dBV/m	Grid 6 M4 26.02 dBV/m
Grid 7 M4 22.71 dBV/m	Grid 8 M4 27.6 dBV/m	Grid 9 M4 27.59 dBV/m



0 dB = 30.43 V/m = 29.67 dBV/m

HAC-RF Emission

Communication System: UID 10069 - CAB, IEEE 802.11a/h WiFi 5 GHz (OFDM, 54 Mbps); Frequency: 5785 MHz; Duty Cycle: 1:11.3763

Phantom section: RF Section

DASY5 Configuration:

- Probe: EF3DV3 - SN4041; ConvF(1, 1, 1) @ 5785 MHz; Calibrated: 3/22/2019
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1352; Calibrated: 11/6/2018
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7450)

802.11a E-Field measurement/IEEE 802.11a_OFDM 54 Mbps_ch 157/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 = 27.12 V/m; Power Drift = -0.02 dB

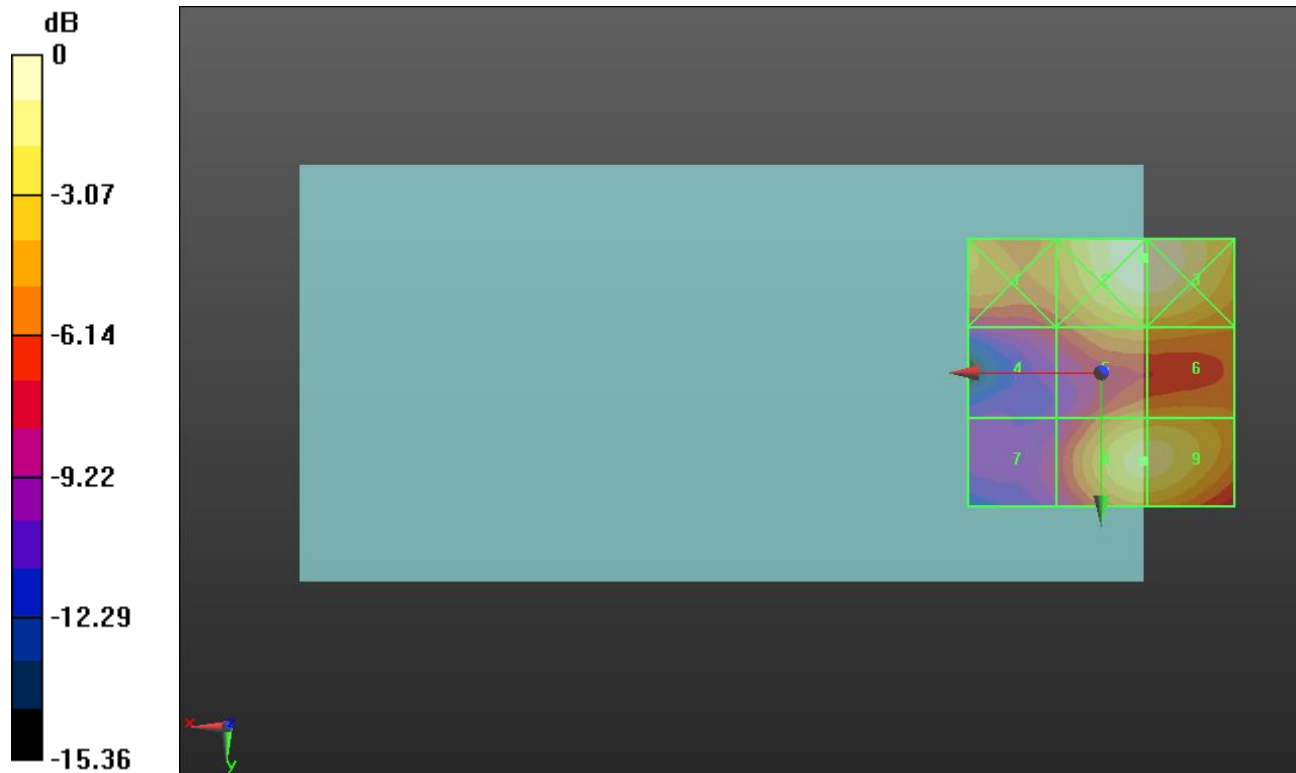
Applied MIF = -3.15 dB

RF audio interference level = 27.42 dBV/m

Emission category: **M4**

MIF scaled E-field

Grid 1 M4 25.29 dBV/m	Grid 2 M4 28.98 dBV/m	Grid 3 M4 28.97 dBV/m
Grid 4 M4 22.07 dBV/m	Grid 5 M4 25.14 dBV/m	Grid 6 M4 25.22 dBV/m
Grid 7 M4 21 dBV/m	Grid 8 M4 27.42 dBV/m	Grid 9 M4 27.42 dBV/m



0 dB = 28.11 V/m = 28.98 dBV/m

HAC-RF Emission

Communication System: UID 10069 - CAB, IEEE 802.11a/h WiFi 5 GHz (OFDM, 54 Mbps); Frequency: 5825 MHz; Duty Cycle: 1:11.3763

Phantom section: RF Section

DASY5 Configuration:

- Probe: EF3DV3 - SN4041; ConvF(1, 1, 1) @ 5825 MHz; Calibrated: 3/22/2019
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1352; Calibrated: 11/6/2018
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7450)

802.11a E-Field measurement/IEEE 802.11a_OFDM 54 Mbps_ch 165/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 = 30.01 V/m; Power Drift = -0.05 dB

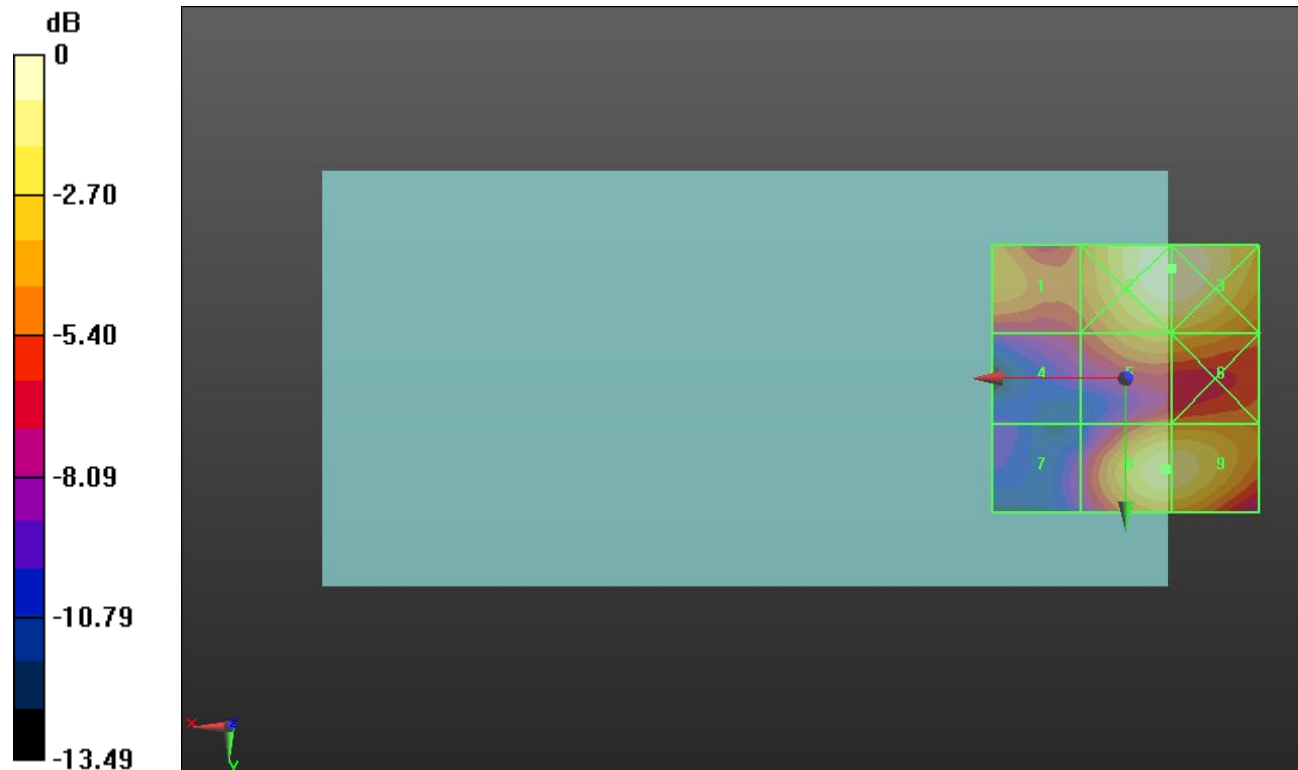
Applied MIF = -3.15 dB

RF audio interference level = 27.25 dBV/m

Emission category: **M4**

MIF scaled E-field

Grid 1 M4 24.86 dBV/m	Grid 2 M4 28.36 dBV/m	Grid 3 M4 28.36 dBV/m
Grid 4 M4 22.16 dBV/m	Grid 5 M4 25.42 dBV/m	Grid 6 M4 25.41 dBV/m
Grid 7 M4 20.51 dBV/m	Grid 8 M4 27.25 dBV/m	Grid 9 M4 27.23 dBV/m



0 dB = 26.18 V/m = 28.36 dBV/m