

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) @ 824.2 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)

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 = 33.67 V/m; Power Drift = -0.45 dB

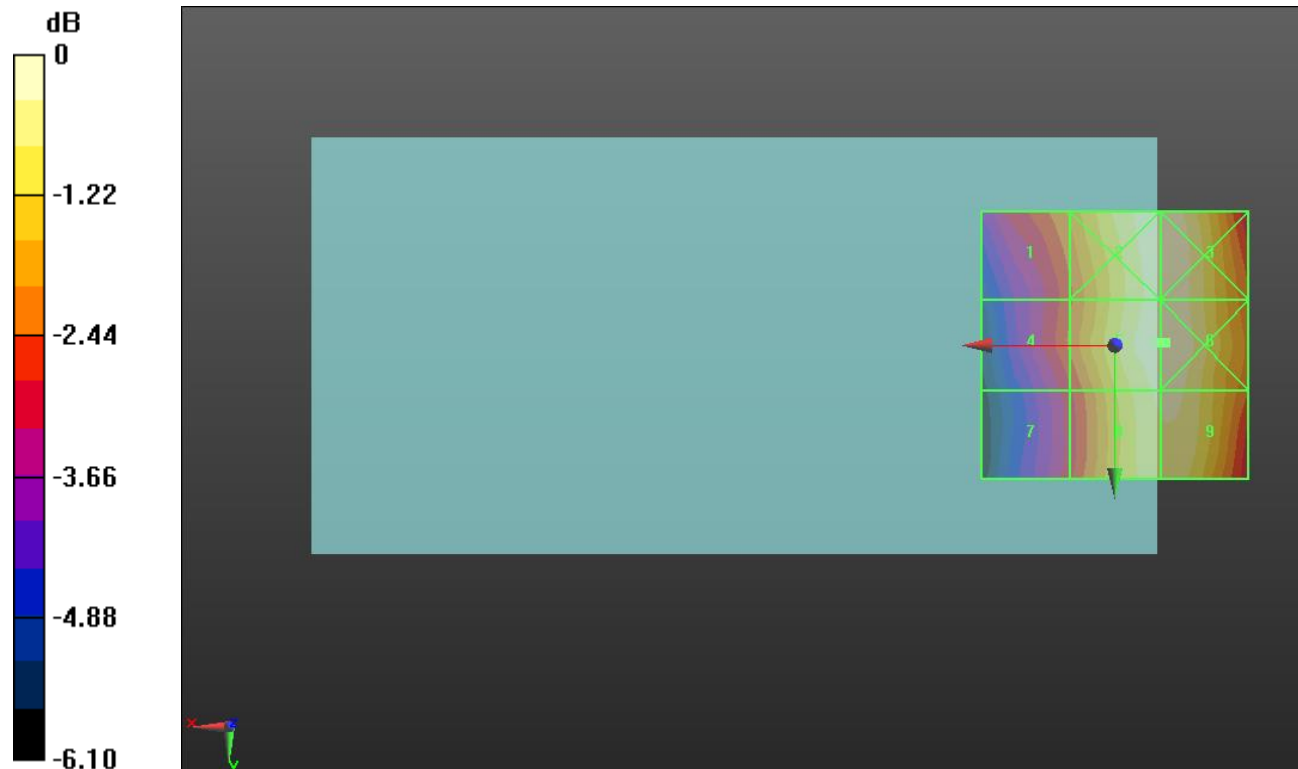
Applied MIF = 3.63 dB

RF audio interference level = 31.85 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 29.93 dBV/m	Grid 2 M4 31.77 dBV/m	Grid 3 M4 31.78 dBV/m
Grid 4 M4 29.52 dBV/m	Grid 5 M4 31.85 dBV/m	Grid 6 M4 31.87 dBV/m
Grid 7 M4 28.94 dBV/m	Grid 8 M4 31.58 dBV/m	Grid 9 M4 31.61 dBV/m



0 dB = 39.20 V/m = 31.87 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) @ 836.6 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 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 = 37.62 V/m; Power Drift = 0.02 dB

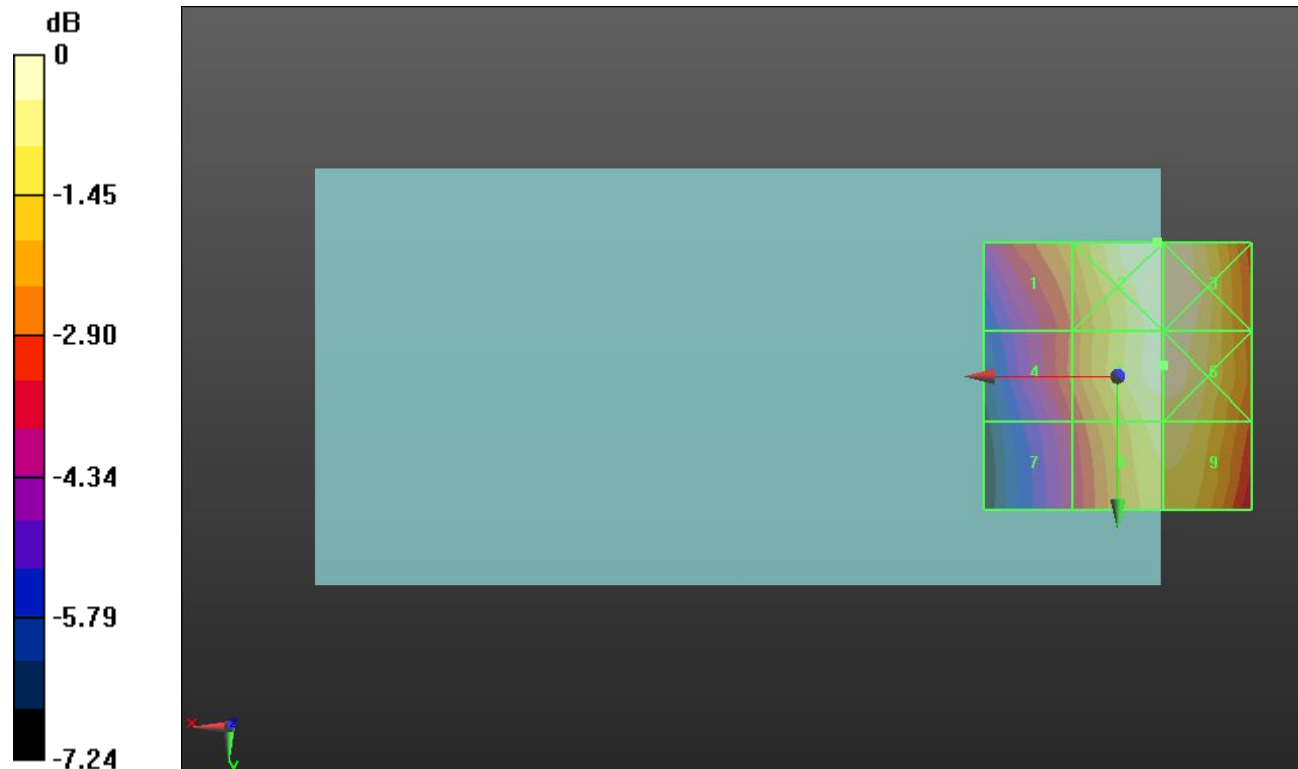
Applied MIF = 3.63 dB

RF audio interference level = 33.06 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 31.41 dBV/m	Grid 2 M4 33.34 dBV/m	Grid 3 M4 33.34 dBV/m
Grid 4 M4 30.64 dBV/m	Grid 5 M4 33.06 dBV/m	Grid 6 M4 33.07 dBV/m
Grid 7 M4 29.9 dBV/m	Grid 8 M4 32.63 dBV/m	Grid 9 M4 32.65 dBV/m



0 dB = 46.48 V/m = 33.35 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 = 37.18 V/m; Power Drift = -0.05 dB

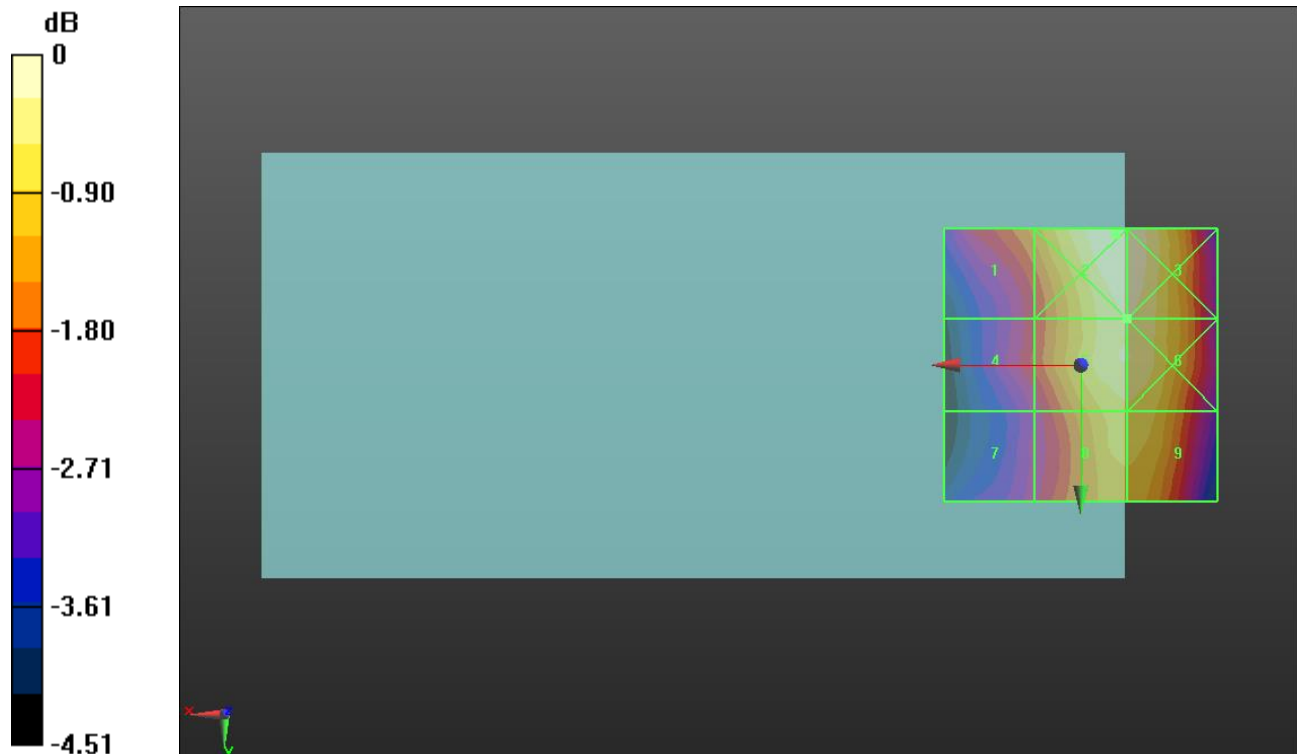
Applied MIF = 3.63 dB

RF audio interference level = 32.57 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 31.51 dBV/m	Grid 2 M4 32.86 dBV/m	Grid 3 M4 32.83 dBV/m
Grid 4 M4 30.84 dBV/m	Grid 5 M4 32.57 dBV/m	Grid 6 M4 32.57 dBV/m
Grid 7 M4 30.37 dBV/m	Grid 8 M4 32.22 dBV/m	Grid 9 M4 32.22 dBV/m



0 dB = 43.97 V/m = 32.86 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 = 16.49 V/m; Power Drift = -0.19 dB

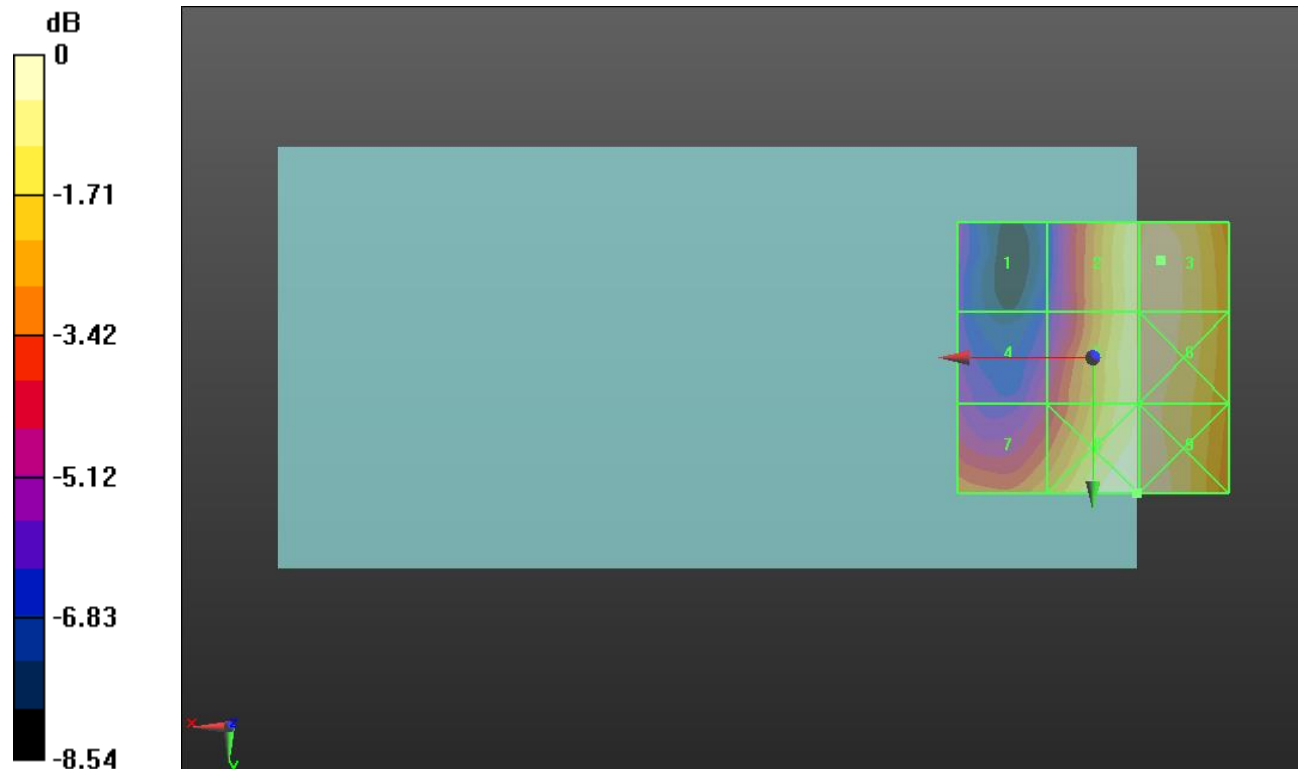
Applied MIF = 3.63 dB

RF audio interference level = 27.34 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 22.58 dBV/m	Grid 2 M4 27.05 dBV/m	Grid 3 M4 27.34 dBV/m
Grid 4 M4 23.06 dBV/m	Grid 5 M4 27.16 dBV/m	Grid 6 M4 27.32 dBV/m
Grid 7 M4 25.36 dBV/m	Grid 8 M4 27.64 dBV/m	Grid 9 M4 27.64 dBV/m



0 dB = 24.09 V/m = 27.64 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 = 16.08 V/m; Power Drift = -0.04 dB

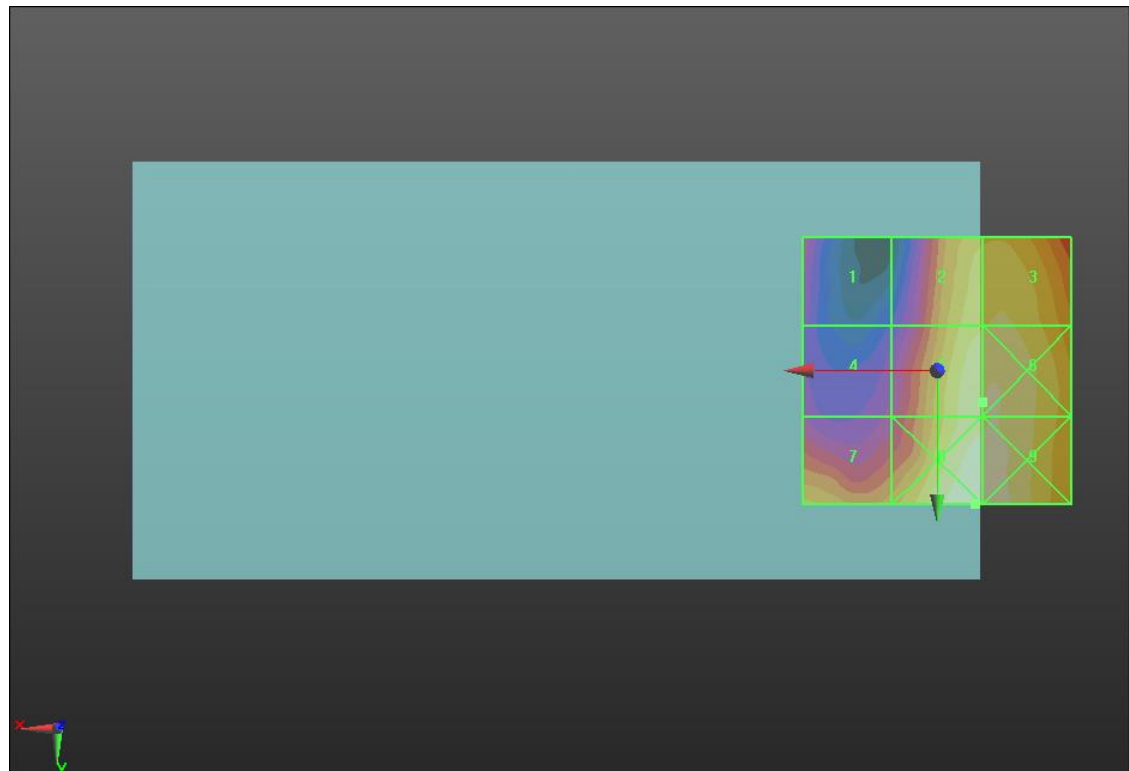
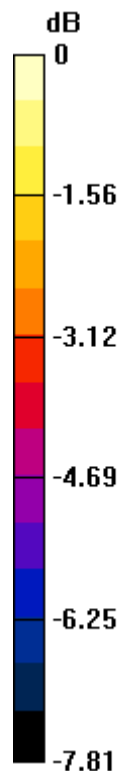
Applied MIF = 3.63 dB

RF audio interference level = 26.55 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 23.04 dBV/m	Grid 2 M4 26 dBV/m	Grid 3 M4 26.09 dBV/m
Grid 4 M4 22.7 dBV/m	Grid 5 M4 26.55 dBV/m	Grid 6 M4 26.6 dBV/m
Grid 7 M4 25.23 dBV/m	Grid 8 M4 27.08 dBV/m	Grid 9 M4 27.05 dBV/m



0 dB = 22.58 V/m = 27.07 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) @ 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 = 13.78 V/m; Power Drift = -0.24 dB

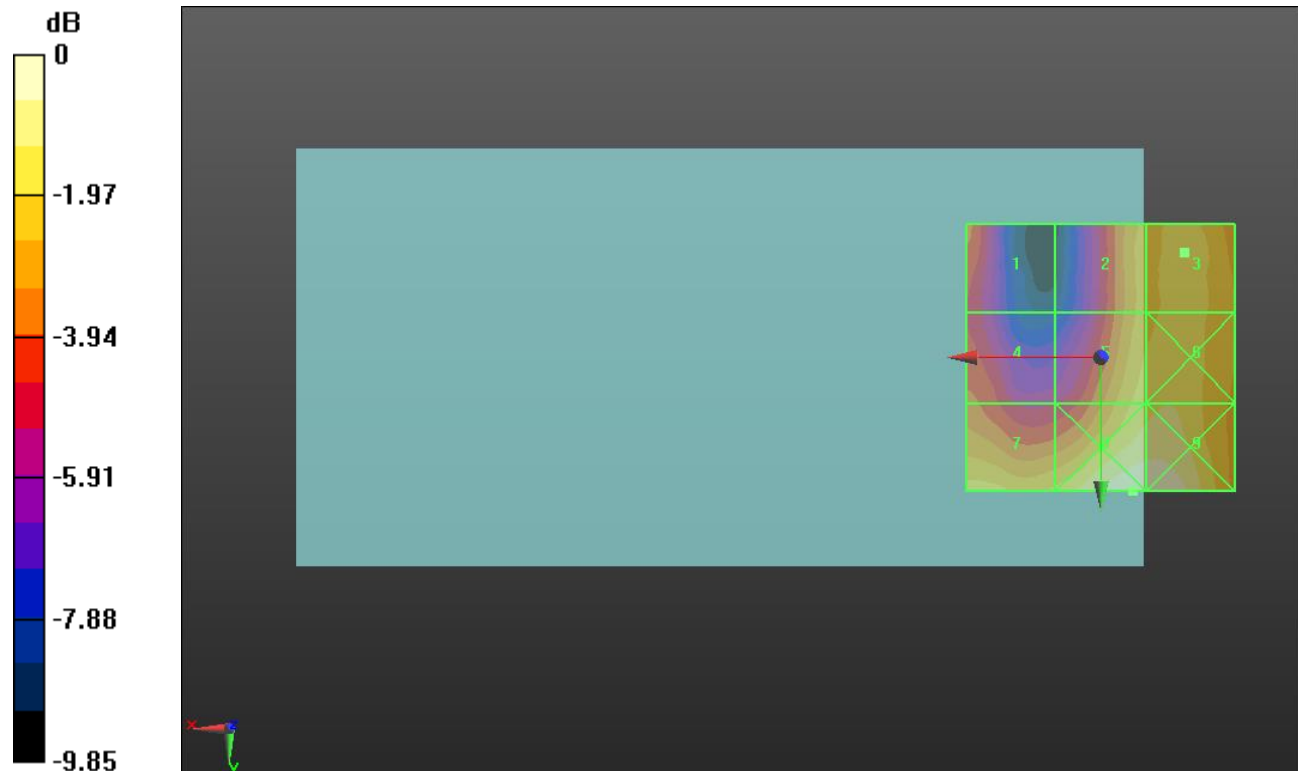
Applied MIF = 3.63 dB

RF audio interference level = 26.03 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 23.94 dBV/m	Grid 2 M4 25.24 dBV/m	Grid 3 M4 26.03 dBV/m
Grid 4 M4 23.84 dBV/m	Grid 5 M4 25.98 dBV/m	Grid 6 M4 26.2 dBV/m
Grid 7 M4 25.93 dBV/m	Grid 8 M4 27.52 dBV/m	Grid 9 M4 27.43 dBV/m



0 dB = 23.78 V/m = 27.52 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 = 22.16 V/m; Power Drift = -0.11 dB

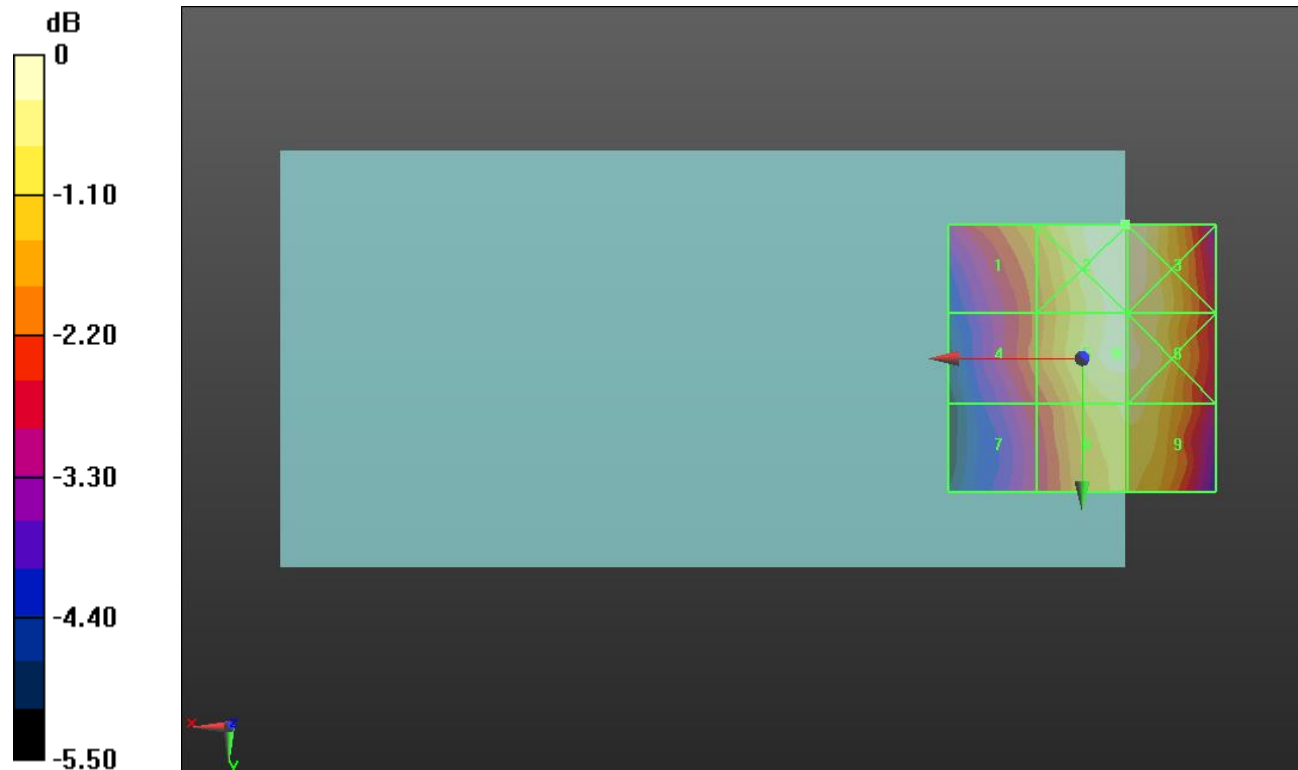
Applied MIF = 3.26 dB

RF audio interference level = 27.81 dBV/m

Emission category: **M4**

MIF scaled E-field

Grid 1 M4 26.71 dBV/m	Grid 2 M4 28.04 dBV/m	Grid 3 M4 28.03 dBV/m
Grid 4 M4 26.11 dBV/m	Grid 5 M4 27.81 dBV/m	Grid 6 M4 27.79 dBV/m
Grid 7 M4 25.54 dBV/m	Grid 8 M4 27.44 dBV/m	Grid 9 M4 27.44 dBV/m



0 dB = 25.24 V/m = 28.04 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 = 19.87 V/m; Power Drift = -0.01 dB

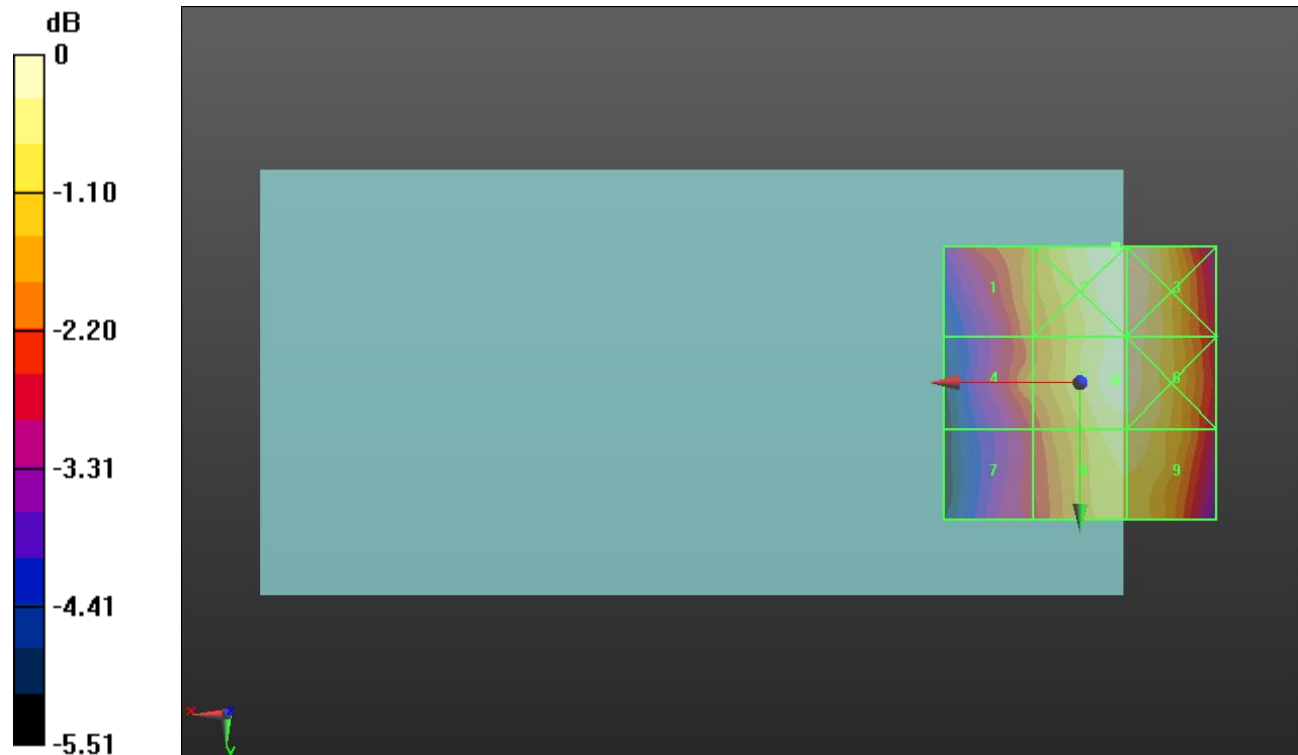
Applied MIF = 3.26 dB

RF audio interference level = 26.82 dBV/m

Emission category: **M4**

MIF scaled E-field

Grid 1 M4 25.44 dBV/m	Grid 2 M4 26.98 dBV/m	Grid 3 M4 26.95 dBV/m
Grid 4 M4 25.31 dBV/m	Grid 5 M4 26.82 dBV/m	Grid 6 M4 26.78 dBV/m
Grid 7 M4 24.51 dBV/m	Grid 8 M4 26.51 dBV/m	Grid 9 M4 26.51 dBV/m



0 dB = 22.33 V/m = 26.98 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 = 19.29 V/m; Power Drift = 0.18 dB

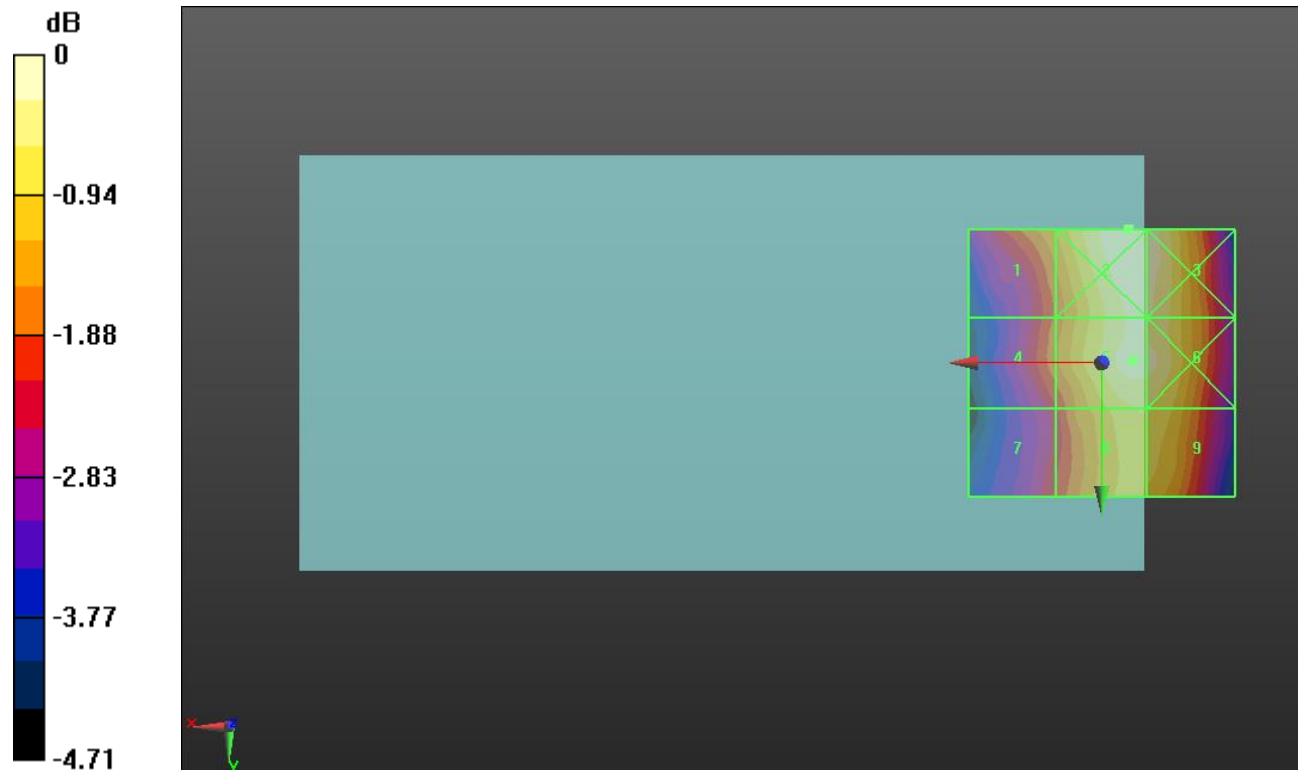
Applied MIF = 3.26 dB

RF audio interference level = 26.88 dBV/m

Emission category: **M4**

MIF scaled E-field

Grid 1 M4 25.8 dBV/m	Grid 2 M4 27 dBV/m	Grid 3 M4 26.91 dBV/m
Grid 4 M4 25.4 dBV/m	Grid 5 M4 26.88 dBV/m	Grid 6 M4 26.81 dBV/m
Grid 7 M4 24.89 dBV/m	Grid 8 M4 26.4 dBV/m	Grid 9 M4 26.4 dBV/m



0 dB = 22.39 V/m = 27.00 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 = 9.297 V/m; Power Drift = -0.53 dB

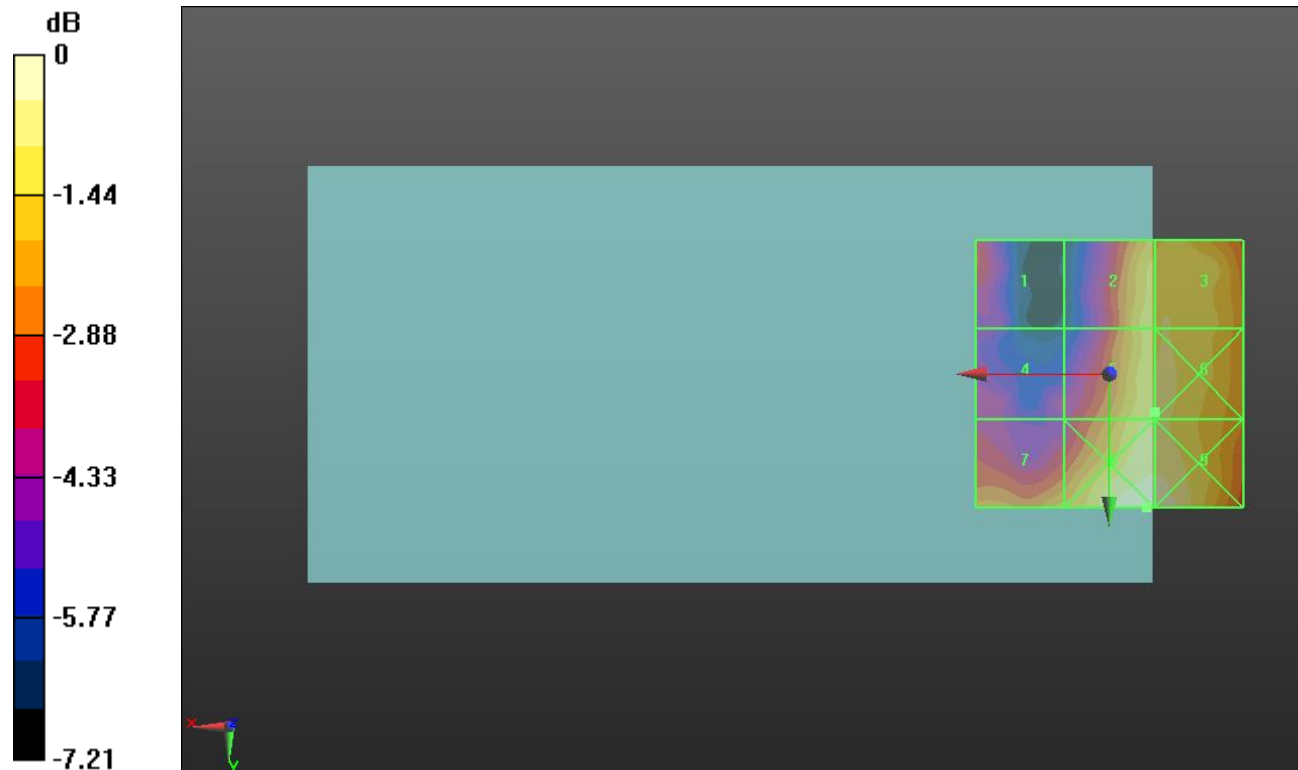
Applied MIF = 3.26 dB

RF audio interference level = 21.96 dBV/m

Emission category: **M4**

MIF scaled E-field

Grid 1 M4 19.65 dBV/m	Grid 2 M4 21.82 dBV/m	Grid 3 M4 21.95 dBV/m
Grid 4 M4 18.99 dBV/m	Grid 5 M4 21.96 dBV/m	Grid 6 M4 22.06 dBV/m
Grid 7 M4 21.17 dBV/m	Grid 8 M4 22.87 dBV/m	Grid 9 M4 22.83 dBV/m



0 dB = 13.91 V/m = 22.87 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 = 9.006 V/m; Power Drift = 0.38 dB

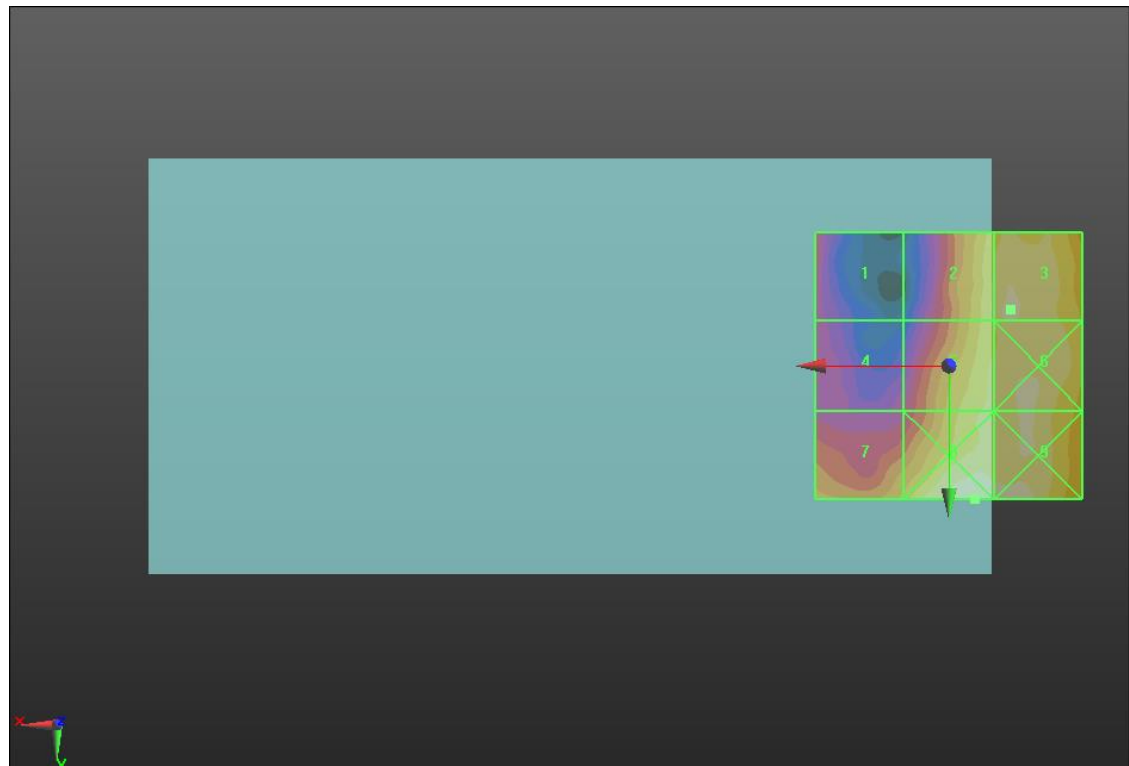
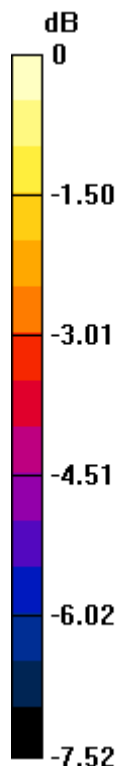
Applied MIF = 3.26 dB

RF audio interference level = 22.18 dBV/m

Emission category: **M4**

MIF scaled E-field

Grid 1 M4 18.97 dBV/m	Grid 2 M4 21.79 dBV/m	Grid 3 M4 22.18 dBV/m
Grid 4 M4 18.51 dBV/m	Grid 5 M4 21.73 dBV/m	Grid 6 M4 22.21 dBV/m
Grid 7 M4 20.77 dBV/m	Grid 8 M4 22.58 dBV/m	Grid 9 M4 22.32 dBV/m



0 dB = 13.46 V/m = 22.58 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 = 9.265 V/m; Power Drift = -0.18 dB

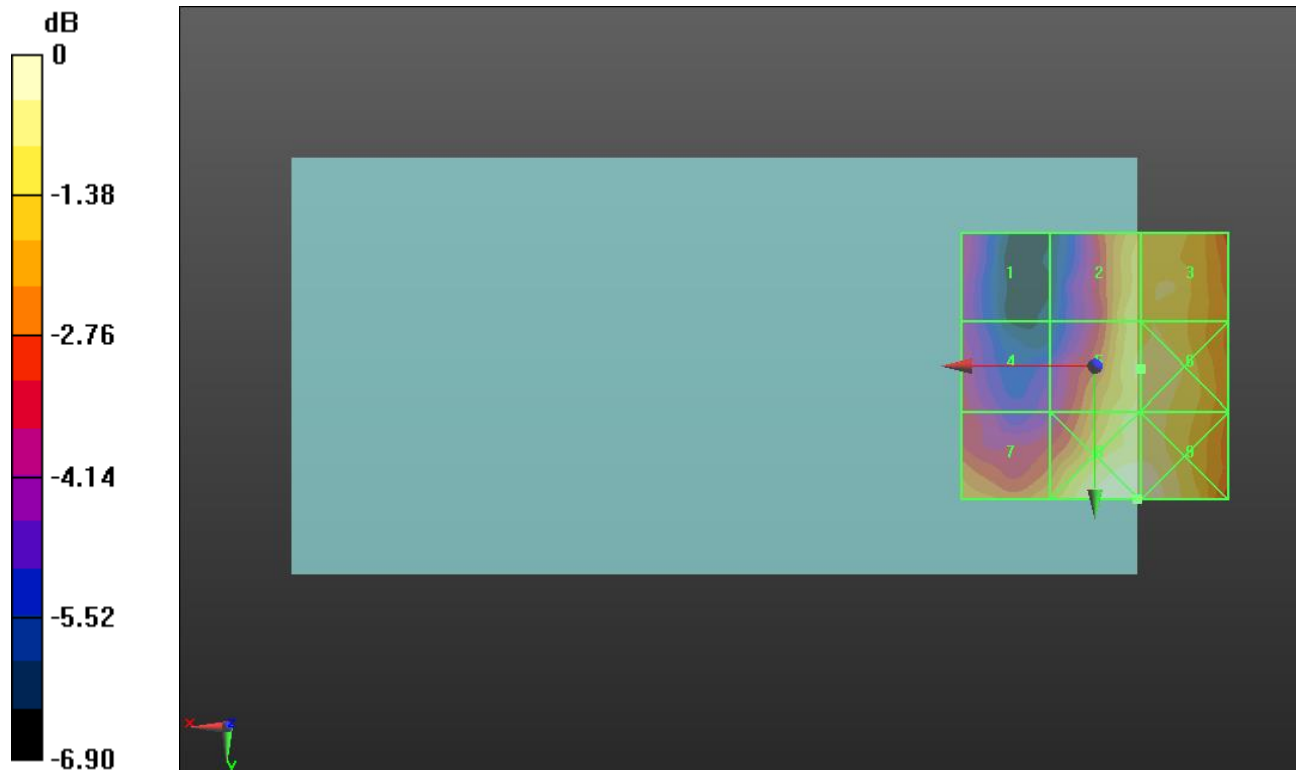
Applied MIF = 3.26 dB

RF audio interference level = 21.88 dBV/m

Emission category: **M4**

MIF scaled E-field

Grid 1 M4 19 dBV/m	Grid 2 M4 21.59 dBV/m	Grid 3 M4 21.74 dBV/m
Grid 4 M4 19.33 dBV/m	Grid 5 M4 21.88 dBV/m	Grid 6 M4 22.05 dBV/m
Grid 7 M4 20.95 dBV/m	Grid 8 M4 22.62 dBV/m	Grid 9 M4 22.62 dBV/m



0 dB = 13.52 V/m = 22.62 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 = 9.494 V/m; Power Drift = -0.67 dB

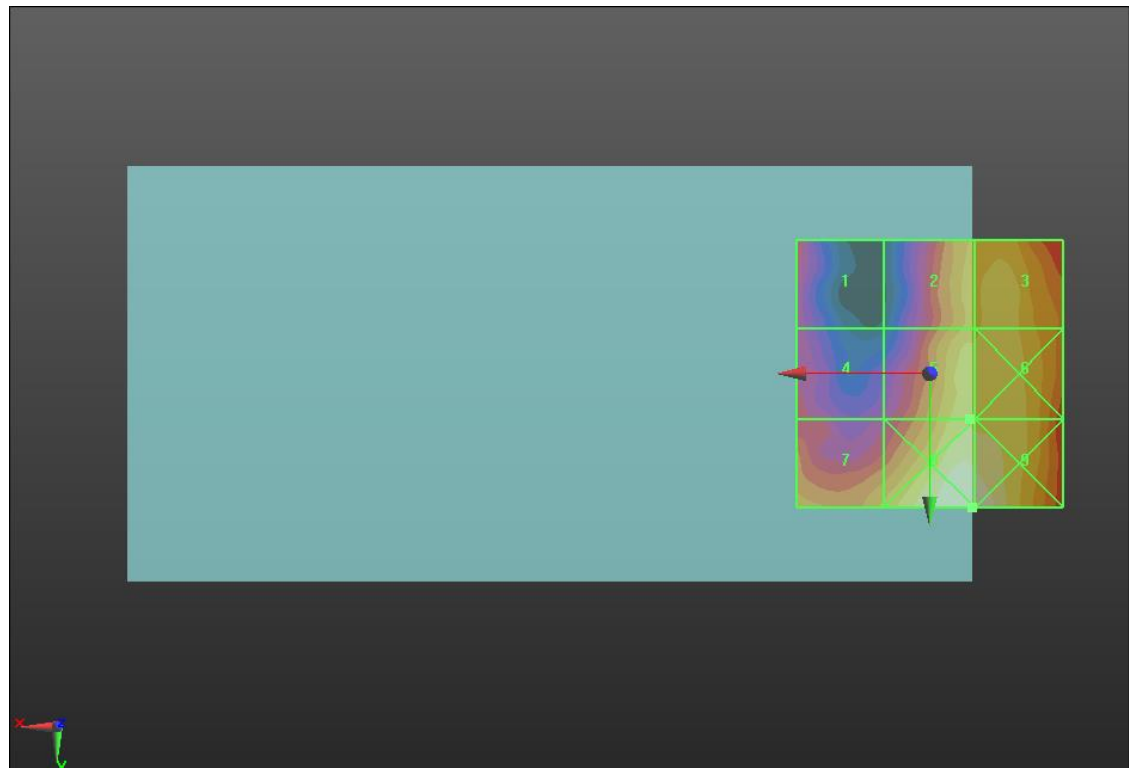
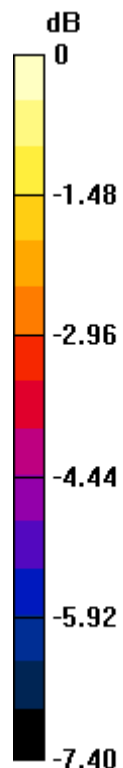
Applied MIF = 3.26 dB

RF audio interference level = 21.66 dBV/m

Emission category: **M4**

MIF scaled E-field

Grid 1 M4 19.39 dBV/m	Grid 2 M4 21.13 dBV/m	Grid 3 M4 21.6 dBV/m
Grid 4 M4 19.04 dBV/m	Grid 5 M4 21.66 dBV/m	Grid 6 M4 21.68 dBV/m
Grid 7 M4 20.89 dBV/m	Grid 8 M4 22.72 dBV/m	Grid 9 M4 22.71 dBV/m



0 dB = 13.67 V/m = 22.72 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 = 8.690 V/m; Power Drift = 0.51 dB

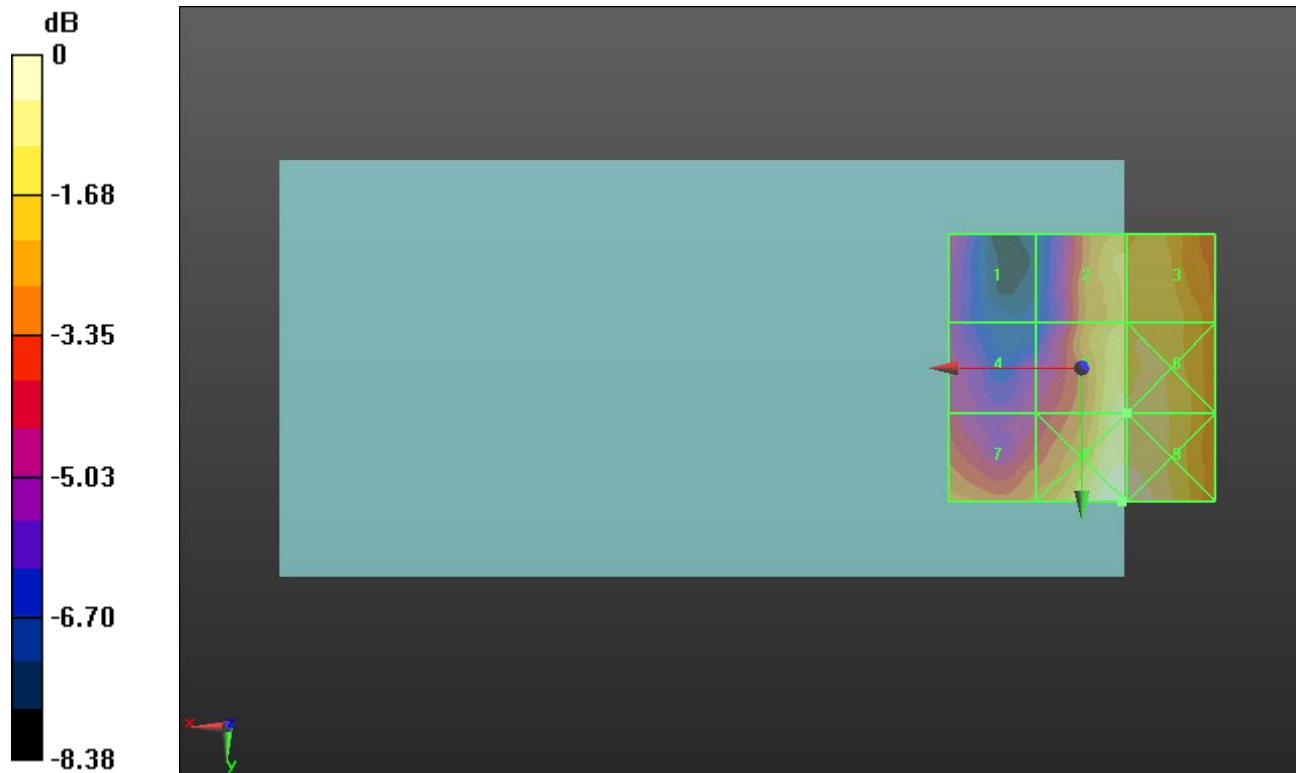
Applied MIF = 3.26 dB

RF audio interference level = 21.95 dBV/m

Emission category: **M4**

MIF scaled E-field

Grid 1 M4 18.61 dBV/m	Grid 2 M4 21.4 dBV/m	Grid 3 M4 21.72 dBV/m
Grid 4 M4 18.75 dBV/m	Grid 5 M4 21.95 dBV/m	Grid 6 M4 21.99 dBV/m
Grid 7 M4 20.37 dBV/m	Grid 8 M4 22.84 dBV/m	Grid 9 M4 22.82 dBV/m



0 dB = 13.87 V/m = 22.84 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 = 8.830 V/m; Power Drift = -0.01 dB

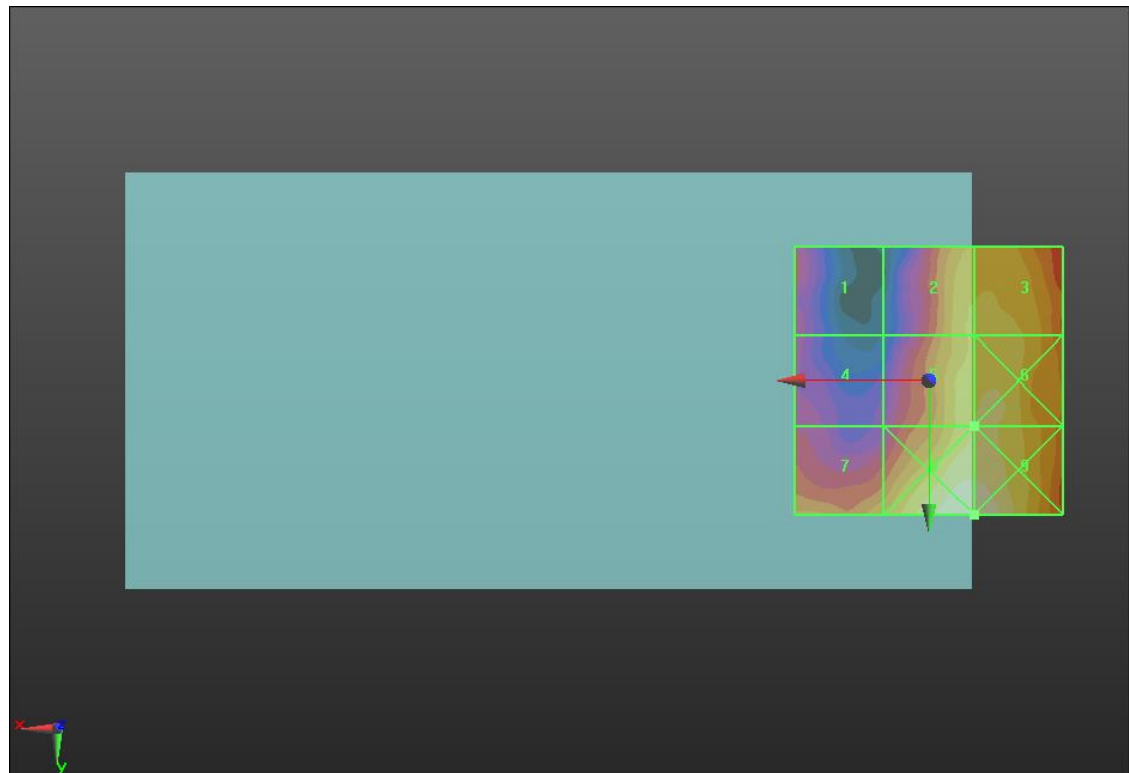
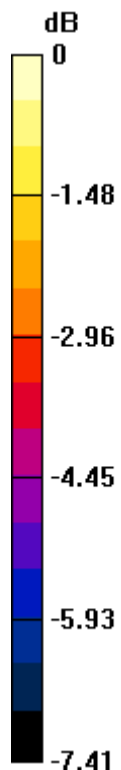
Applied MIF = 3.26 dB

RF audio interference level = 21.72 dBV/m

Emission category: **M4**

MIF scaled E-field

Grid 1 M4 19.04 dBV/m	Grid 2 M4 21.28 dBV/m	Grid 3 M4 21.44 dBV/m
Grid 4 M4 18.77 dBV/m	Grid 5 M4 21.72 dBV/m	Grid 6 M4 21.81 dBV/m
Grid 7 M4 20.76 dBV/m	Grid 8 M4 22.7 dBV/m	Grid 9 M4 22.7 dBV/m



0 dB = 13.64 V/m = 22.70 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) @ 2506 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 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 = 9.350 V/m; Power Drift = 0.71 dB

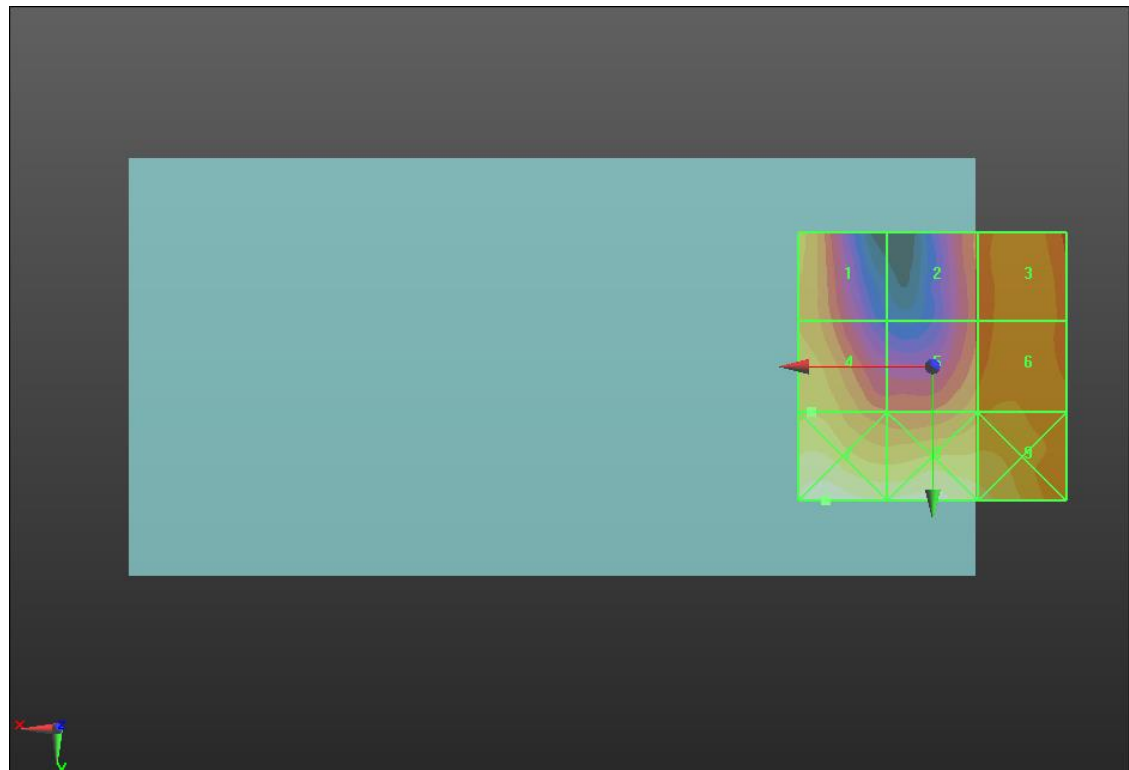
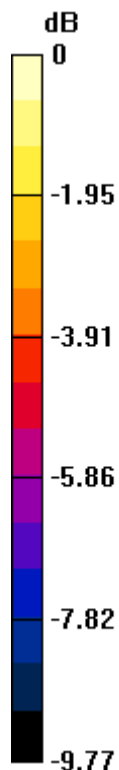
Applied MIF = -1.44 dB

RF audio interference level = 21.05 dBV/m

Emission category: **M4**

MIF scaled E-field

Grid 1 M4 20.58 dBV/m	Grid 2 M4 19.32 dBV/m	Grid 3 M4 20.4 dBV/m
Grid 4 M4 21.05 dBV/m	Grid 5 M4 20.25 dBV/m	Grid 6 M4 20.54 dBV/m
Grid 7 M4 23.03 dBV/m	Grid 8 M4 22.74 dBV/m	Grid 9 M4 22 dBV/m



0 dB = 14.18 V/m = 23.03 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) @ 2549.5 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 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 = 9.768 V/m; Power Drift = -0.65 dB

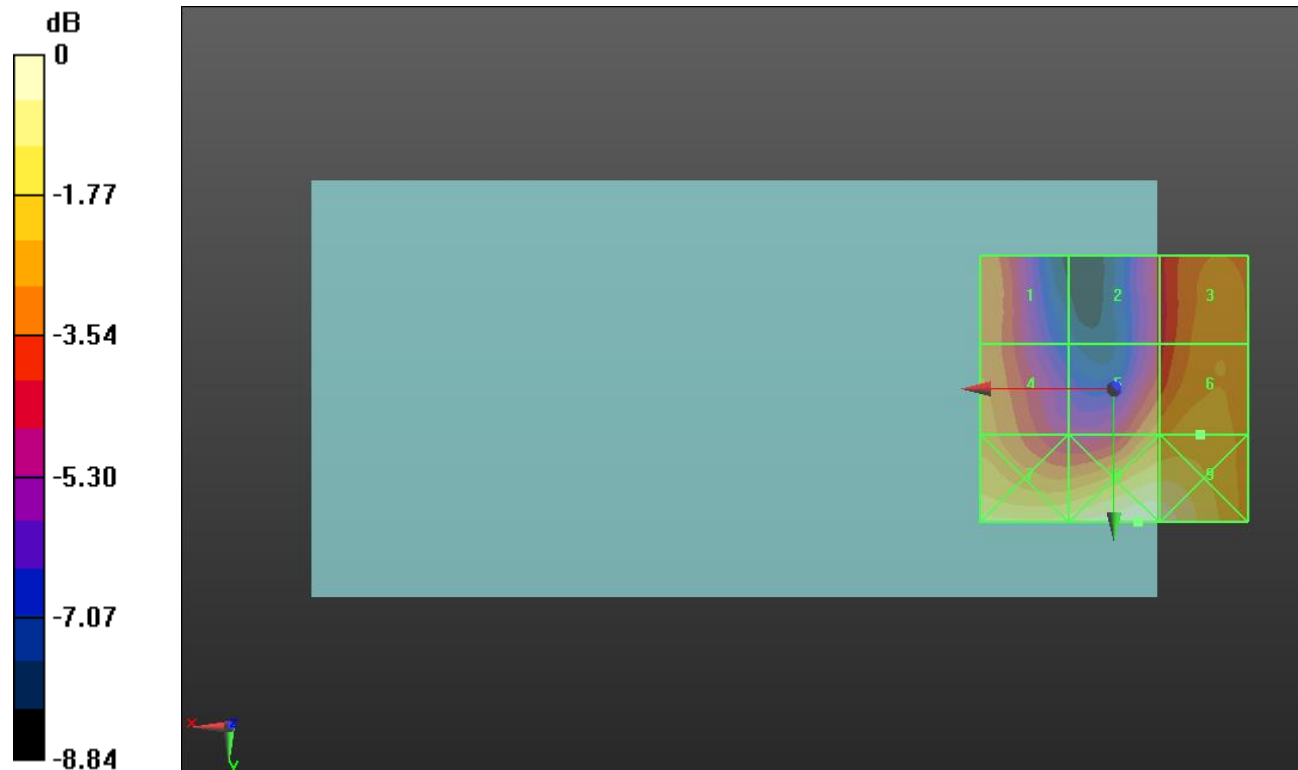
Applied MIF = -1.44 dB

RF audio interference level = 21.21 dBV/m

Emission category: **M4**

MIF scaled E-field

Grid 1 M4 20.31 dBV/m	Grid 2 M4 18.91 dBV/m	Grid 3 M4 20.81 dBV/m
Grid 4 M4 20.61 dBV/m	Grid 5 M4 20.68 dBV/m	Grid 6 M4 21.21 dBV/m
Grid 7 M4 22.47 dBV/m	Grid 8 M4 23.26 dBV/m	Grid 9 M4 23.08 dBV/m



0 dB = 14.55 V/m = 23.26 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) @ 2593 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 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 = 12.70 V/m; Power Drift = 0.30 dB

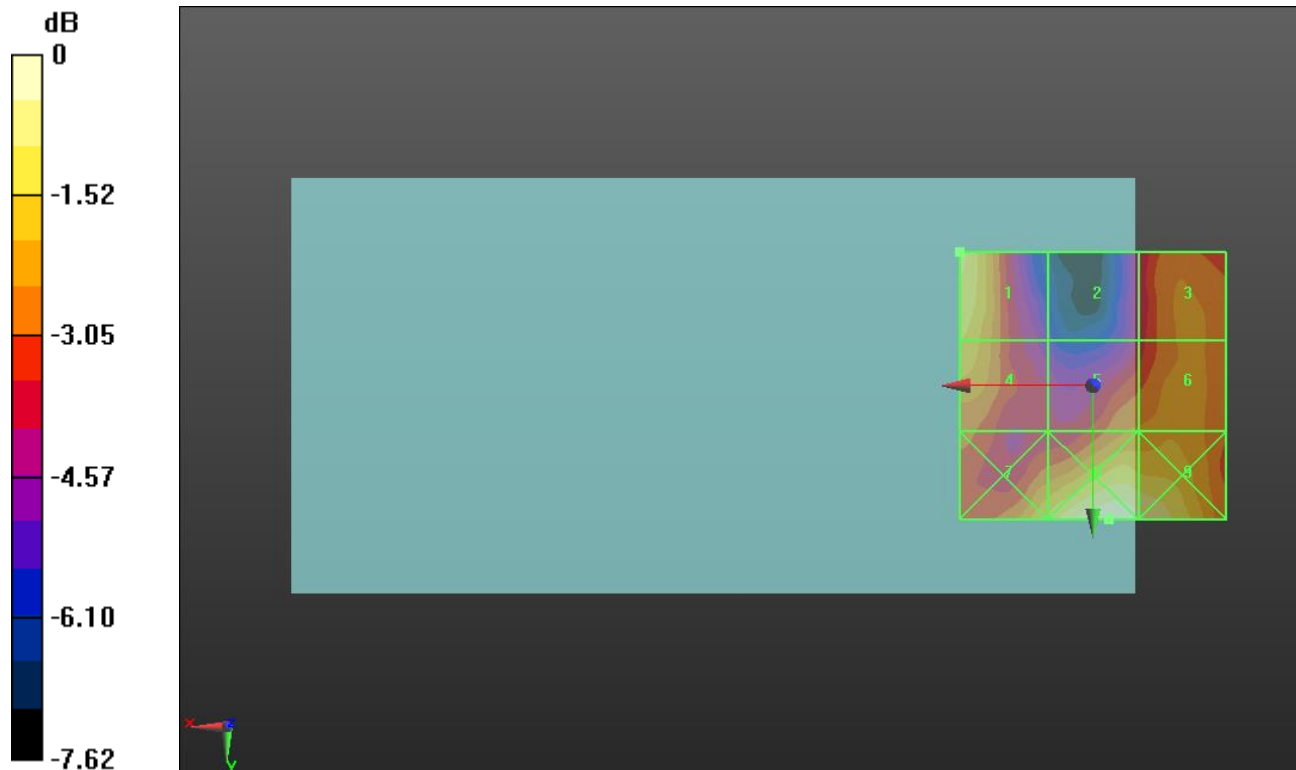
Applied MIF = -1.44 dB

RF audio interference level = 22.04 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 22.04 dBV/m	Grid 2 M4 18.95 dBV/m	Grid 3 M4 20.49 dBV/m
Grid 4 M4 21.4 dBV/m	Grid 5 M4 20.47 dBV/m	Grid 6 M4 20.78 dBV/m
Grid 7 M4 21.55 dBV/m	Grid 8 M4 22.91 dBV/m	Grid 9 M4 22.57 dBV/m



0 dB = 13.97 V/m = 22.90 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) @ 2636.5 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 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 = 13.00 V/m; Power Drift = 0.32 dB

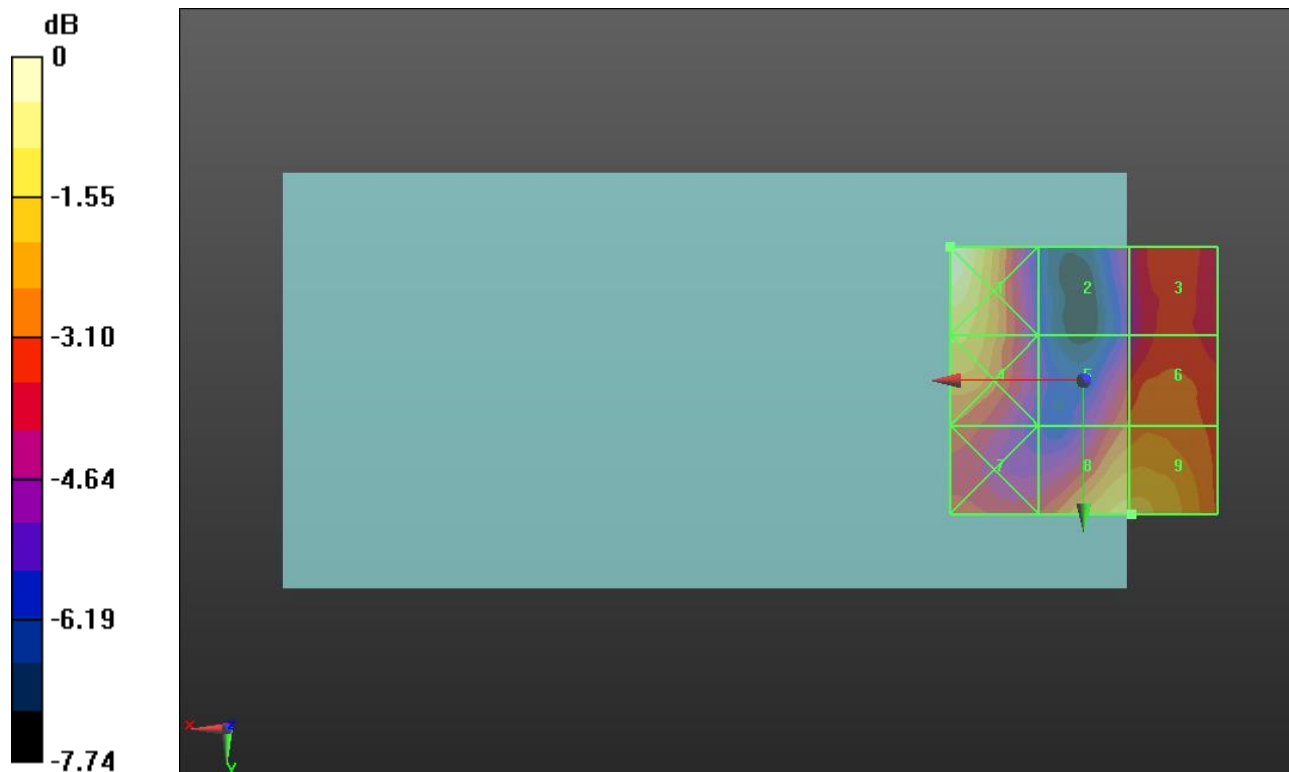
Applied MIF = -1.44 dB

RF audio interference level = 21.61 dBV/m

Emission category: **M4**

MIF scaled E-field

Grid 1 M4 22.95 dBV/m	Grid 2 M4 18.51 dBV/m	Grid 3 M4 19.85 dBV/m
Grid 4 M4 21.54 dBV/m	Grid 5 M4 19.99 dBV/m	Grid 6 M4 20.32 dBV/m
Grid 7 M4 19.88 dBV/m	Grid 8 M4 21.61 dBV/m	Grid 9 M4 21.61 dBV/m



0 dB = 14.04 V/m = 22.95 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) @ 2680 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 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 = 12.29 V/m; Power Drift = 0.46 dB

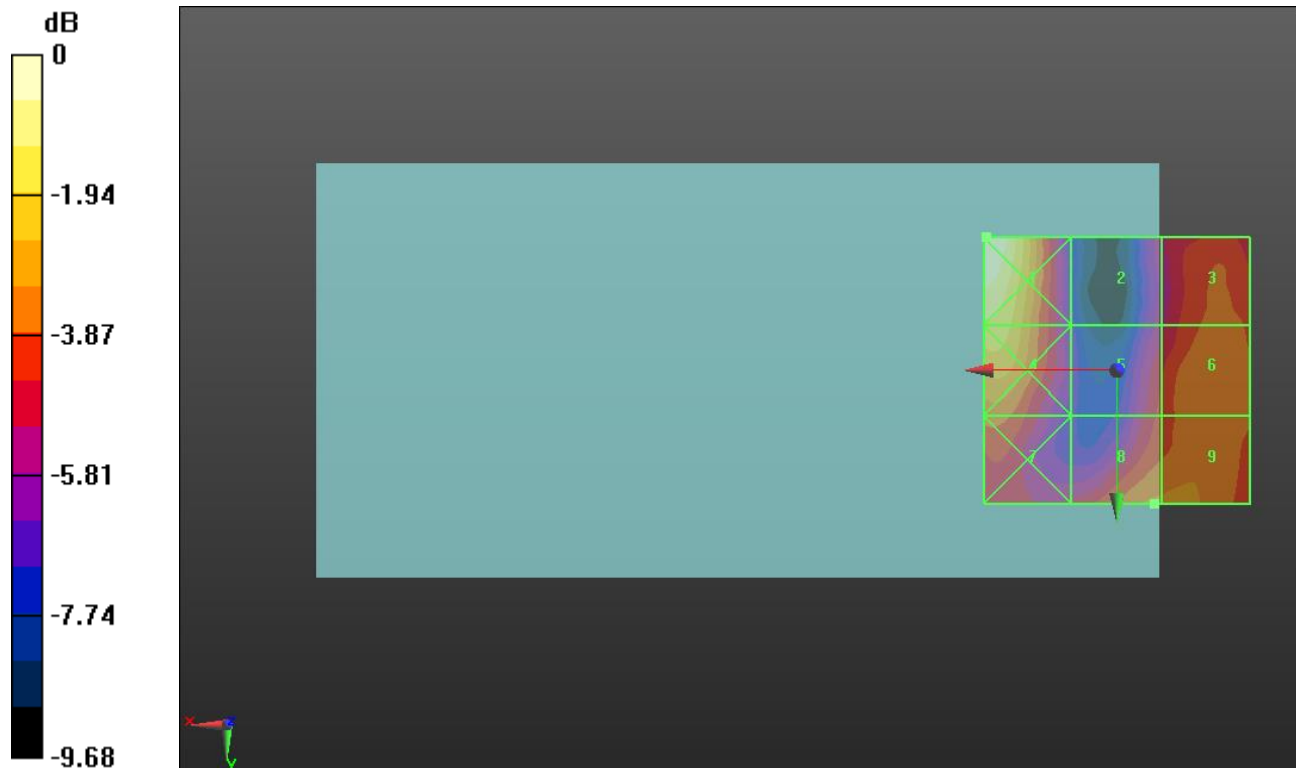
Applied MIF = -1.44 dB

RF audio interference level = 20.39 dBV/m

Emission category: **M4**

MIF scaled E-field

Grid 1 M4 23.48 dBV/m	Grid 2 M4 18.17 dBV/m	Grid 3 M4 19.77 dBV/m
Grid 4 M4 22.07 dBV/m	Grid 5 M4 19.22 dBV/m	Grid 6 M4 20.21 dBV/m
Grid 7 M4 19.91 dBV/m	Grid 8 M4 20.39 dBV/m	Grid 9 M4 20.38 dBV/m



0 dB = 14.92 V/m = 23.48 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) @ 2506 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 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 = 9.968 V/m; Power Drift = -0.35 dB

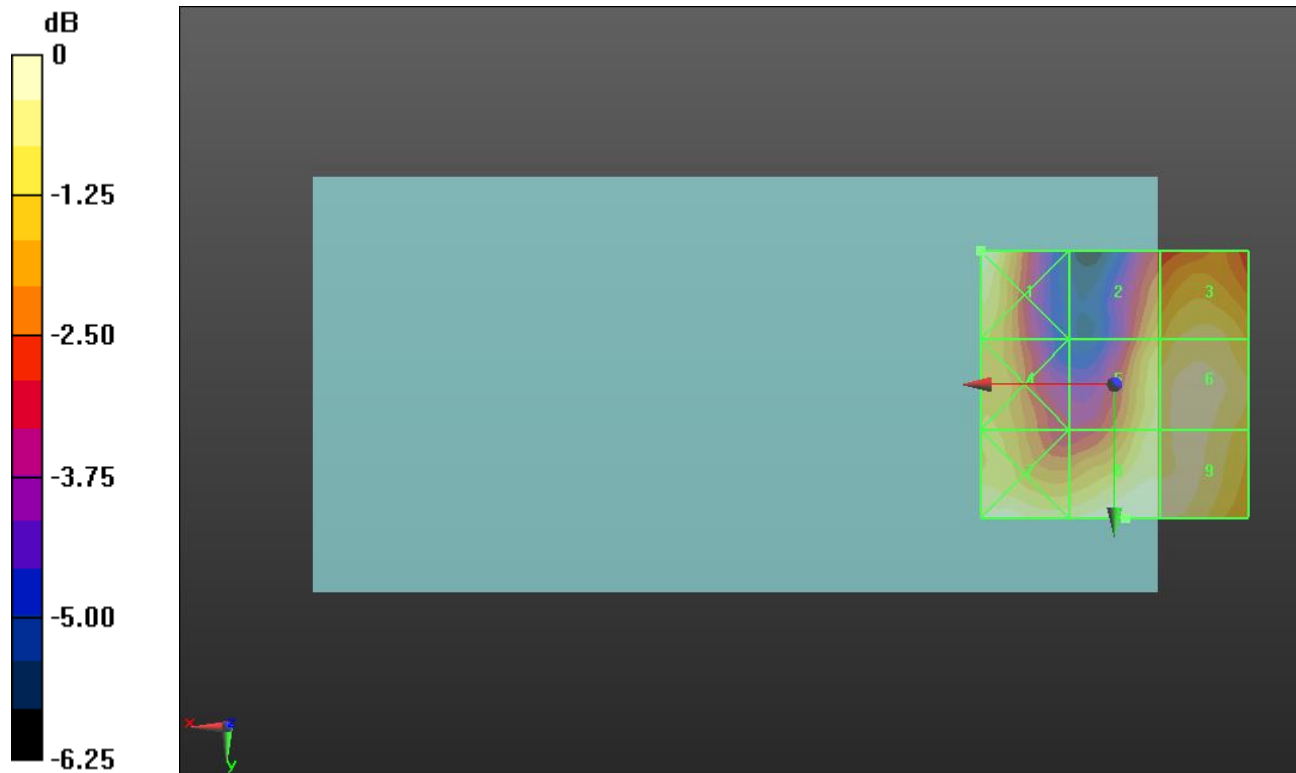
Applied MIF = -1.44 dB

RF audio interference level = 20.18 dBV/m

Emission category: **M4**

MIF scaled E-field

Grid 1 M4 20.21 dBV/m	Grid 2 M4 18.89 dBV/m	Grid 3 M4 19.58 dBV/m
Grid 4 M4 19.02 dBV/m	Grid 5 M4 19.6 dBV/m	Grid 6 M4 20 dBV/m
Grid 7 M4 20.13 dBV/m	Grid 8 M4 20.18 dBV/m	Grid 9 M4 19.95 dBV/m



0 dB = 10.24 V/m = 20.21 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) @ 2549.5 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 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 = 8.564 V/m; Power Drift = 0.18 dB

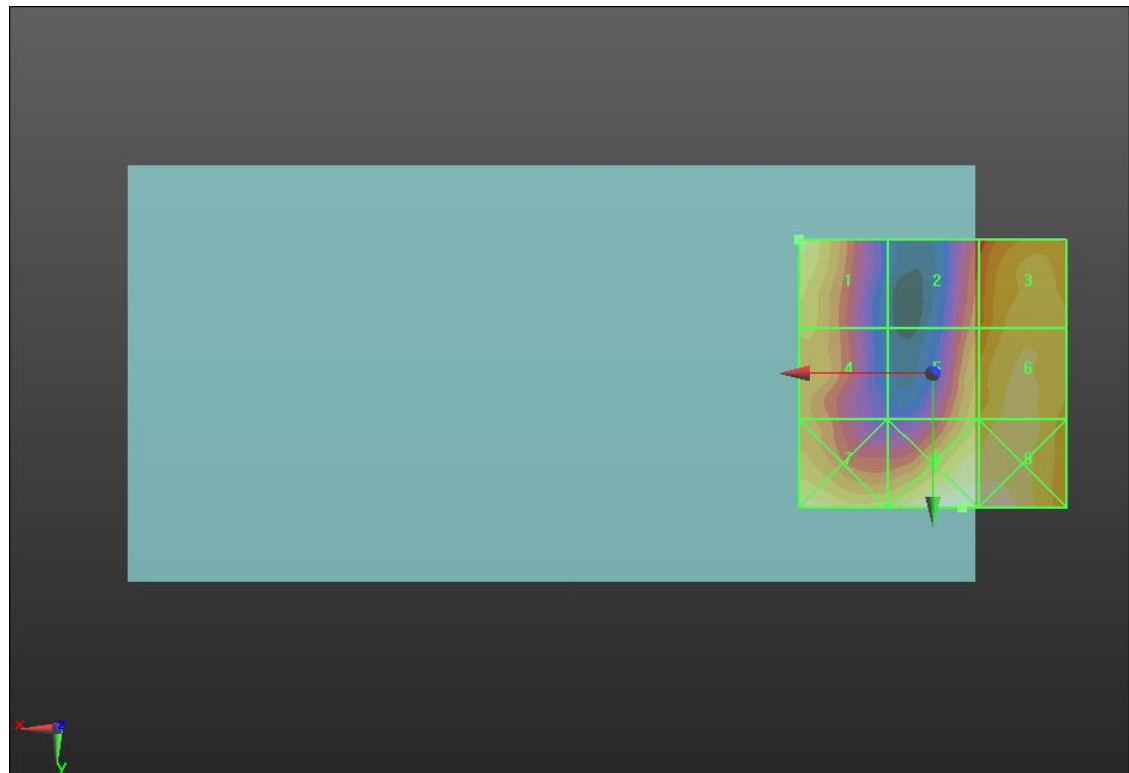
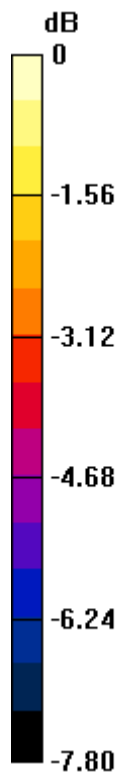
Applied MIF = -1.44 dB

RF audio interference level = 20.03 dBV/m

Emission category: **M4**

MIF scaled E-field

Grid 1 M4 20.03 dBV/m	Grid 2 M4 18.13 dBV/m	Grid 3 M4 19.75 dBV/m
Grid 4 M4 18.92 dBV/m	Grid 5 M4 19.24 dBV/m	Grid 6 M4 19.94 dBV/m
Grid 7 M4 20.2 dBV/m	Grid 8 M4 20.79 dBV/m	Grid 9 M4 20.67 dBV/m



0 dB = 10.95 V/m = 20.79 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) @ 2593 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 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 = 10.50 V/m; Power Drift = 0.08 dB

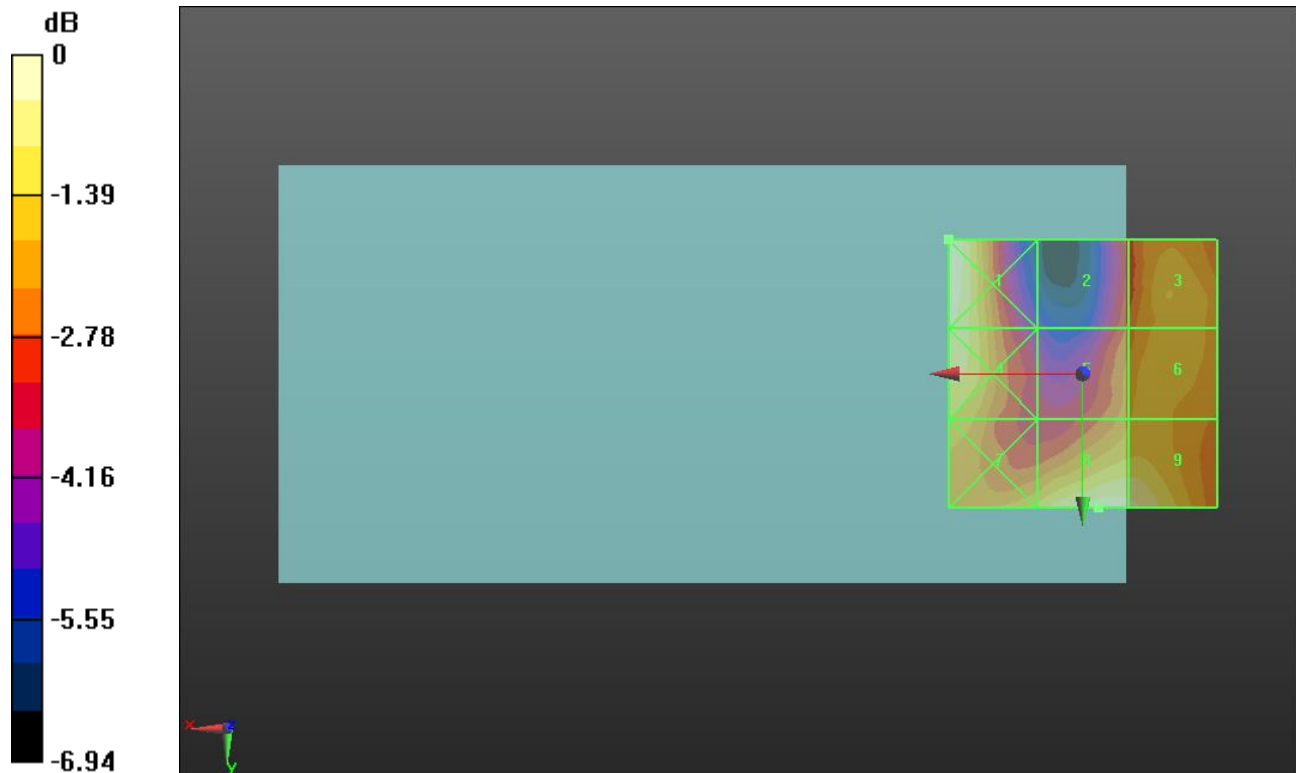
Applied MIF = -1.44 dB

RF audio interference level = 20.26 dBV/m

Emission category: **M4**

MIF scaled E-field

Grid 1 M4 20.37 dBV/m	Grid 2 M4 17.75 dBV/m	Grid 3 M4 19.01 dBV/m
Grid 4 M4 19.9 dBV/m	Grid 5 M4 18.47 dBV/m	Grid 6 M4 18.93 dBV/m
Grid 7 M4 19.22 dBV/m	Grid 8 M4 20.26 dBV/m	Grid 9 M4 20.12 dBV/m



0 dB = 10.43 V/m = 20.37 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) @ 2636.5 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 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 = 12.07 V/m; Power Drift = -0.15 dB

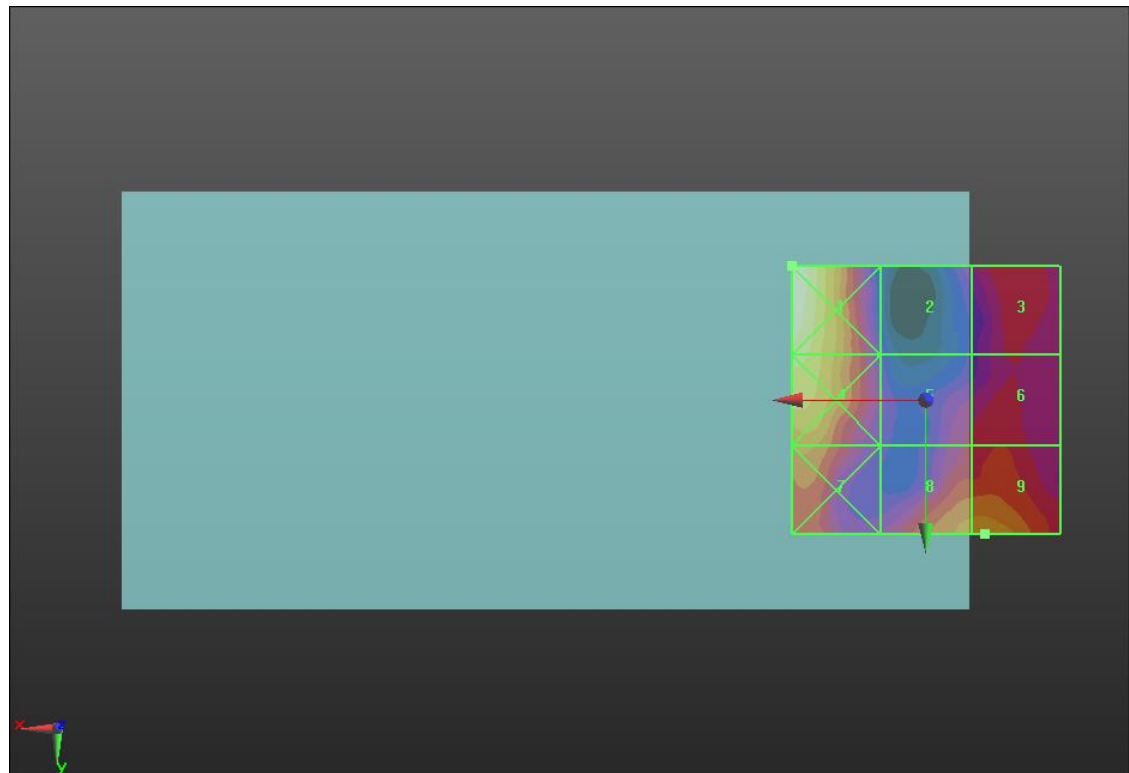
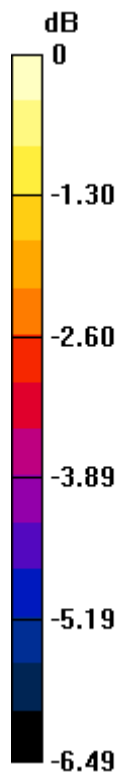
Applied MIF = -1.44 dB

RF audio interference level = 19.14 dBV/m

Emission category: **M4**

MIF scaled E-field

Grid 1 M4 21 dBV/m	Grid 2 M4 17.1 dBV/m	Grid 3 M4 17.91 dBV/m
Grid 4 M4 20.39 dBV/m	Grid 5 M4 17.69 dBV/m	Grid 6 M4 17.99 dBV/m
Grid 7 M4 19.01 dBV/m	Grid 8 M4 19.09 dBV/m	Grid 9 M4 19.14 dBV/m



0 dB = 11.22 V/m = 21.00 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) @ 2680 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 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 = 10.23 V/m; Power Drift = 0.03 dB

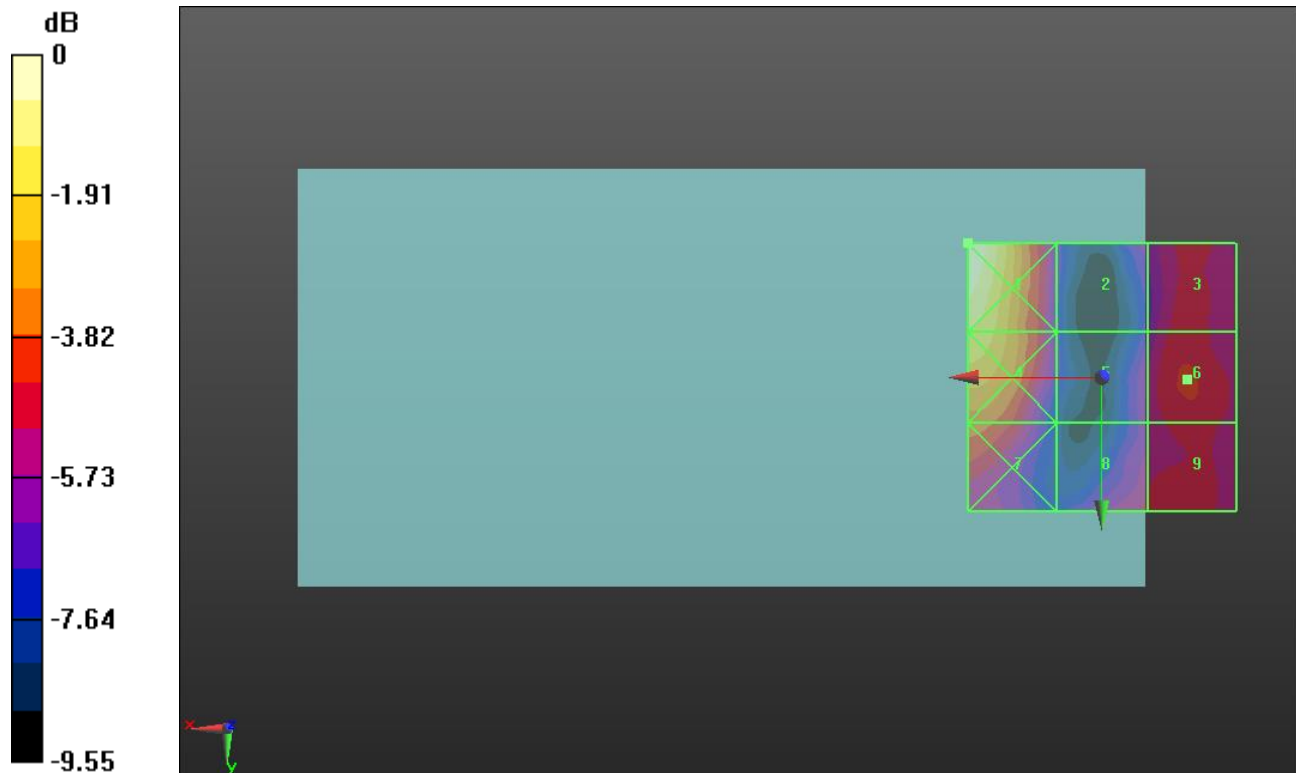
Applied MIF = -1.44 dB

RF audio interference level = 17.66 dBV/m

Emission category: **M4**

MIF scaled E-field

Grid 1 M4 21.98 dBV/m	Grid 2 M4 15.91 dBV/m	Grid 3 M4 17.34 dBV/m
Grid 4 M4 20.68 dBV/m	Grid 5 M4 16.39 dBV/m	Grid 6 M4 17.66 dBV/m
Grid 7 M4 18.52 dBV/m	Grid 8 M4 17.09 dBV/m	Grid 9 M4 17.35 dBV/m



0 dB = 12.55 V/m = 21.97 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):

Interpolated grid: dx=0.5000 mm, dy=0.5000 mm

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 6.111 V/m; Power Drift = 0.49 dB

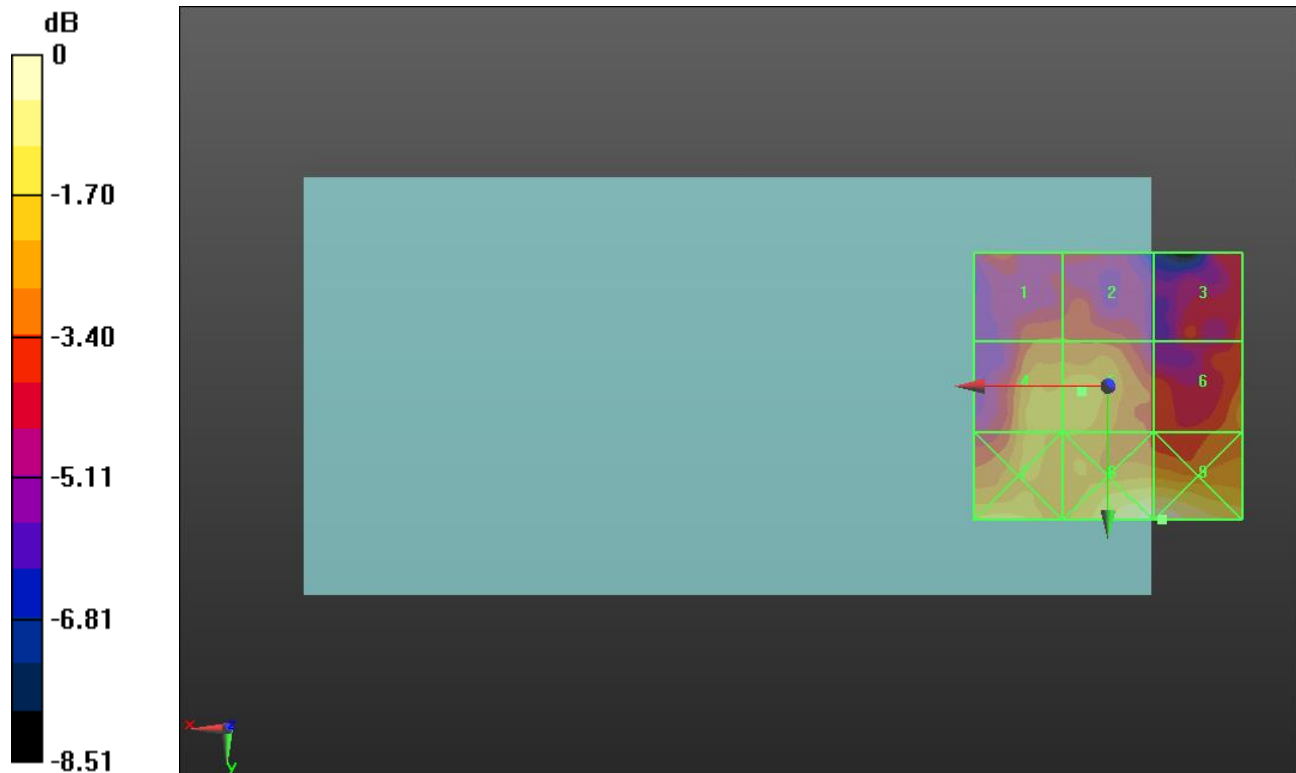
Applied MIF = -1.44 dB

RF audio interference level = 13.14 dBV/m

Emission category: **M4**

MIF scaled E-field

Grid 1 M4 11.5 dBV/m	Grid 2 M4 11.49 dBV/m	Grid 3 M4 11.39 dBV/m
Grid 4 M4 12.9 dBV/m	Grid 5 M4 13.14 dBV/m	Grid 6 M4 12.38 dBV/m
Grid 7 M4 13.57 dBV/m	Grid 8 M4 14.76 dBV/m	Grid 9 M4 14.81 dBV/m



0 dB = 5.504 V/m = 14.81 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 = 11.23 V/m; Power Drift = -0.46 dB

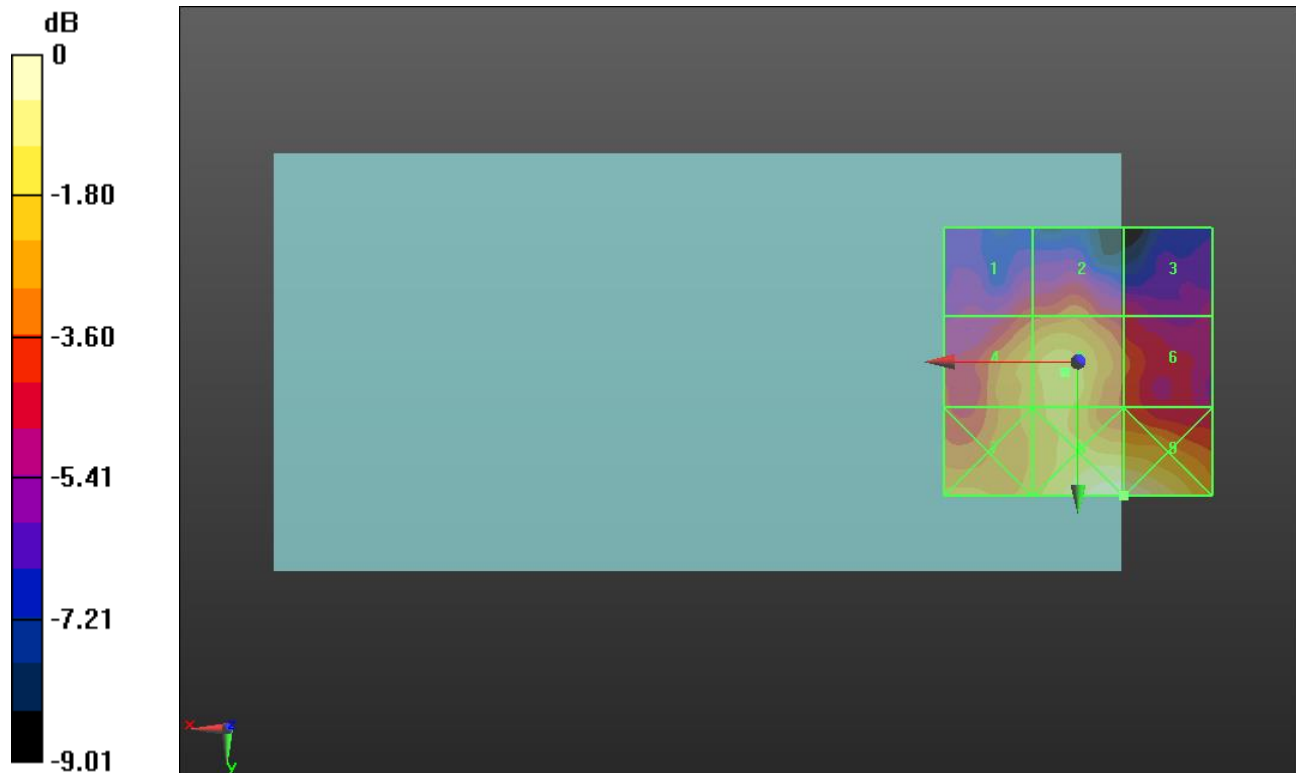
Applied MIF = -1.44 dB

RF audio interference level = 16.77 dBV/m

Emission category: **M4**

MIF scaled E-field

Grid 1 M4 14.44 dBV/m	Grid 2 M4 15.15 dBV/m	Grid 3 M4 13.67 dBV/m
Grid 4 M4 16.27 dBV/m	Grid 5 M4 16.77 dBV/m	Grid 6 M4 14.82 dBV/m
Grid 7 M4 16.17 dBV/m	Grid 8 M4 18.21 dBV/m	Grid 9 M4 18.21 dBV/m



0 dB = 8.136 V/m = 18.21 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 = 8.997 V/m; Power Drift = 0.62 dB

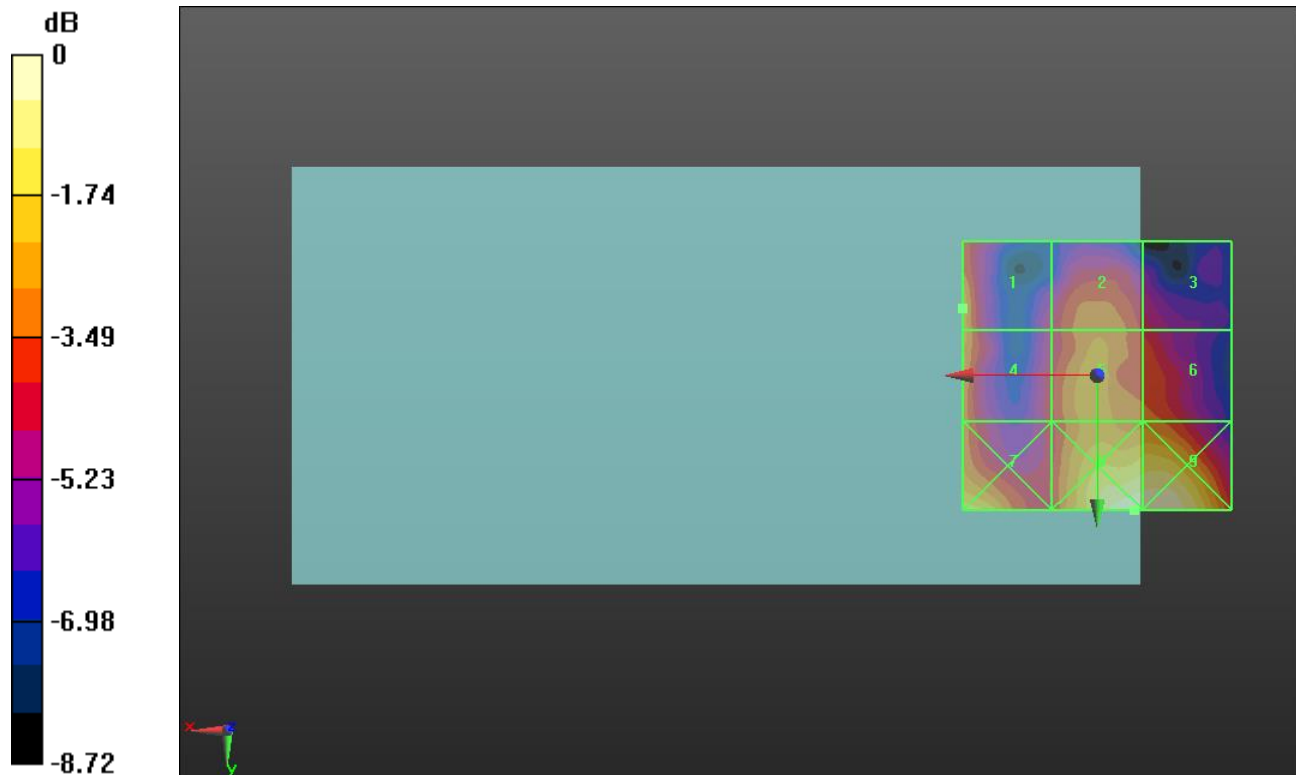
Applied MIF = -1.44 dB

RF audio interference level = 15.13 dBV/m

Emission category: **M4**

MIF scaled E-field

Grid 1 M4 15.13 dBV/m	Grid 2 M4 14.41 dBV/m	Grid 3 M4 13.24 dBV/m
Grid 4 M4 15.05 dBV/m	Grid 5 M4 14.97 dBV/m	Grid 6 M4 14.32 dBV/m
Grid 7 M4 16.16 dBV/m	Grid 8 M4 17.43 dBV/m	Grid 9 M4 17.42 dBV/m



0 dB = 7.435 V/m = 17.43 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):

Interpolated grid: dx=0.5000 mm, dy=0.5000 mm

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 6.753 V/m; Power Drift = -0.77 dB

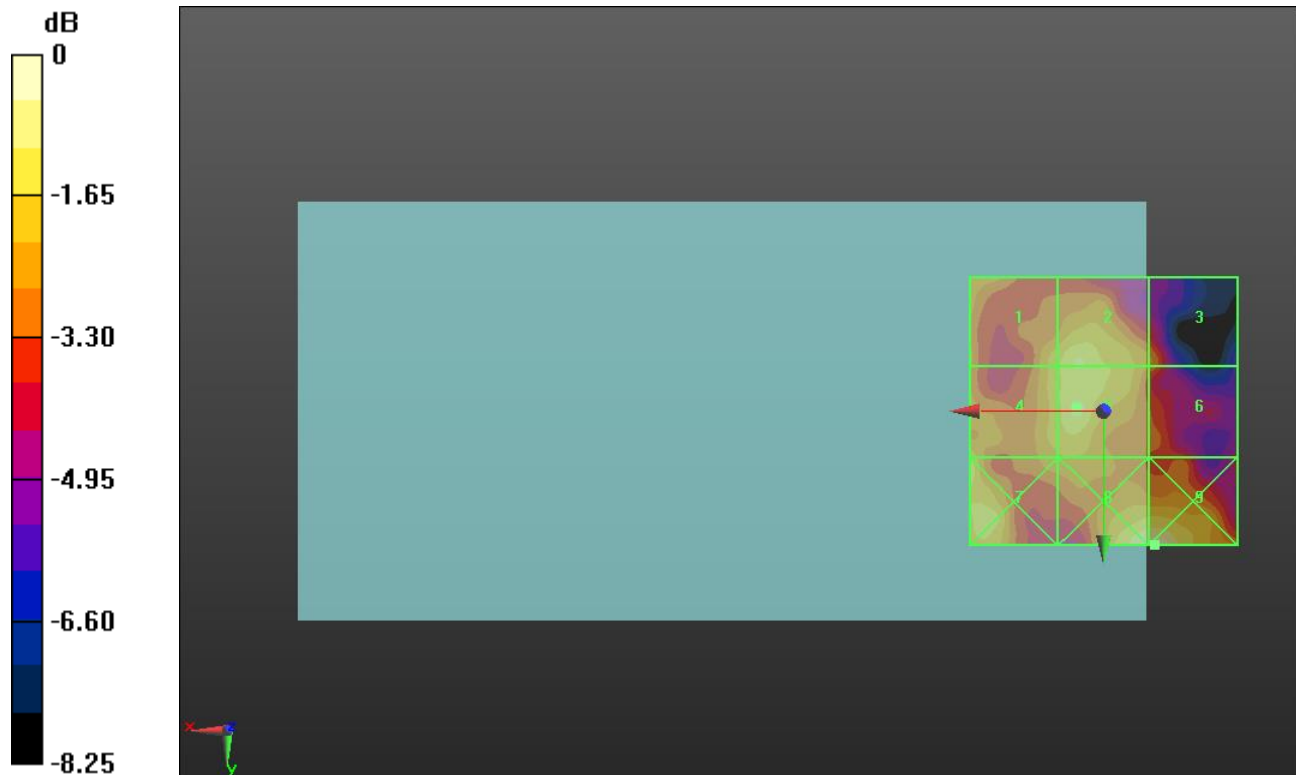
Applied MIF = -1.44 dB

RF audio interference level = 12.47 dBV/m

Emission category: **M4**

MIF scaled E-field

Grid 1 M4 11.7 dBV/m	Grid 2 M4 12.37 dBV/m	Grid 3 M4 10.85 dBV/m
Grid 4 M4 11.97 dBV/m	Grid 5 M4 12.47 dBV/m	Grid 6 M4 10.72 dBV/m
Grid 7 M4 12.42 dBV/m	Grid 8 M4 13.33 dBV/m	Grid 9 M4 13.43 dBV/m



0 dB = 4.691 V/m = 13.43 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) @ 824.2 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)

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 = 47.47 V/m; Power Drift = -0.06 dB

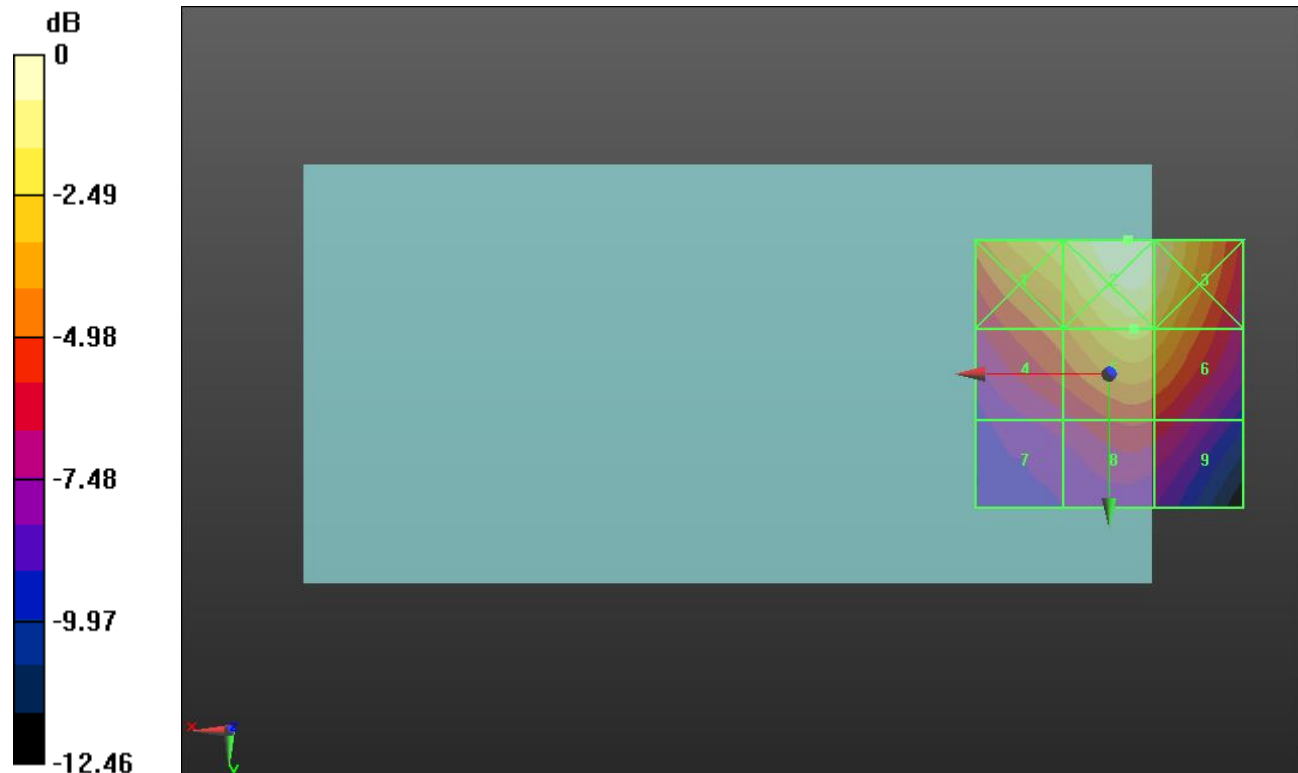
Applied MIF = 3.63 dB

RF audio interference level = 35.75 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 36.16 dBV/m	Grid 2 M4 37.82 dBV/m	Grid 3 M4 37.18 dBV/m
Grid 4 M4 33.57 dBV/m	Grid 5 M4 35.75 dBV/m	Grid 6 M4 35.28 dBV/m
Grid 7 M4 30.92 dBV/m	Grid 8 M4 32.25 dBV/m	Grid 9 M4 31.96 dBV/m



0 dB = 77.78 V/m = 37.82 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) @ 836.6 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 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 = 45.08 V/m; Power Drift = -0.03 dB

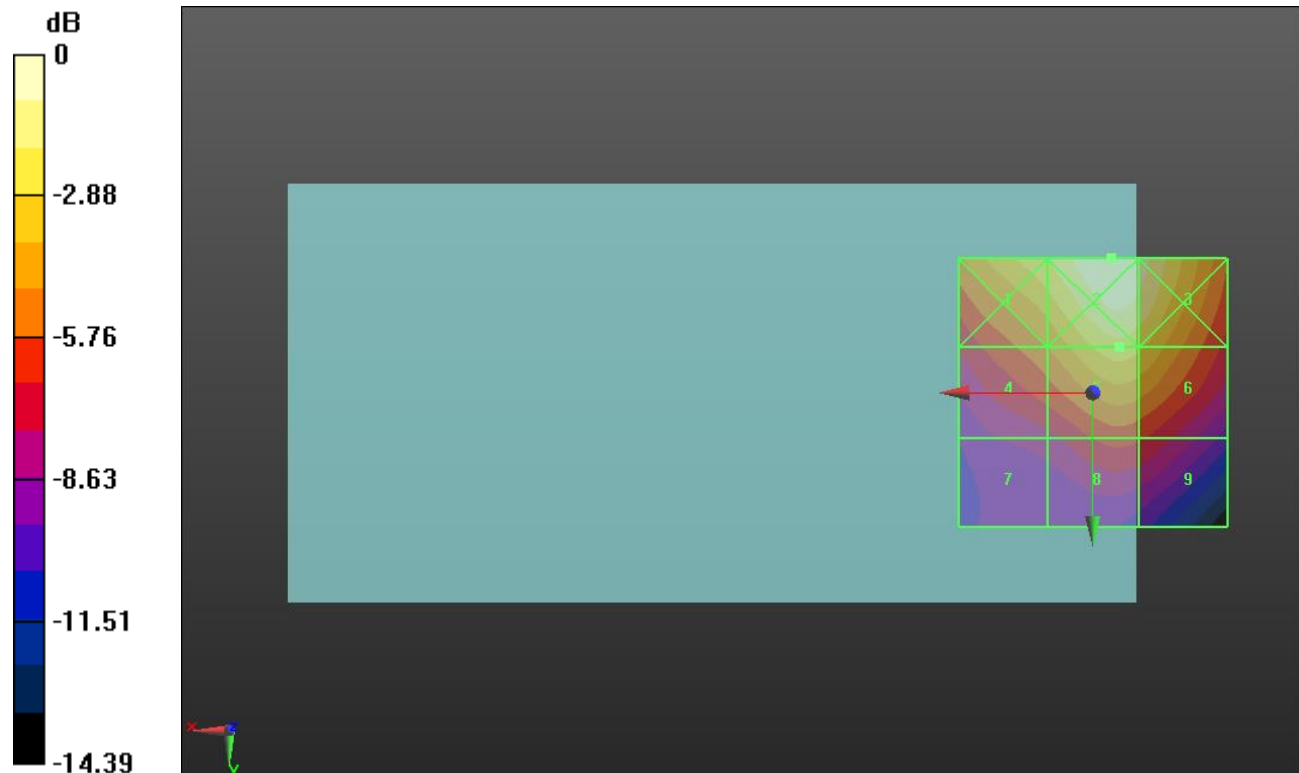
Applied MIF = 3.63 dB

RF audio interference level = 35.58 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 35.93 dBV/m	Grid 2 M4 37.86 dBV/m	Grid 3 M4 37.33 dBV/m
Grid 4 M4 33.06 dBV/m	Grid 5 M4 35.58 dBV/m	Grid 6 M4 35.19 dBV/m
Grid 7 M4 29.91 dBV/m	Grid 8 M4 31.55 dBV/m	Grid 9 M4 31.31 dBV/m



0 dB = 78.13 V/m = 37.86 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 = 45.07 V/m; Power Drift = 0.07 dB

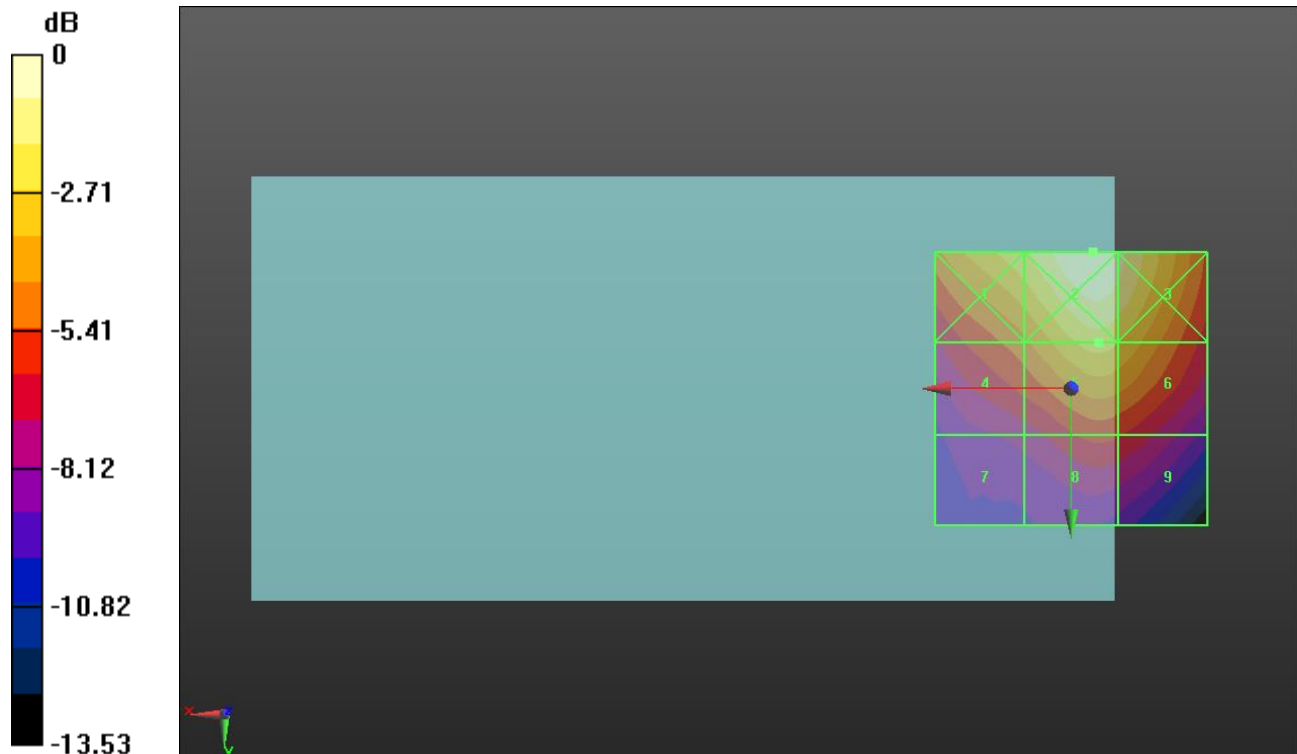
Applied MIF = 3.63 dB

RF audio interference level = 35.61 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 36.04 dBV/m	Grid 2 M4 37.88 dBV/m	Grid 3 M4 37.31 dBV/m
Grid 4 M4 33.2 dBV/m	Grid 5 M4 35.61 dBV/m	Grid 6 M4 35.23 dBV/m
Grid 7 M4 30.25 dBV/m	Grid 8 M4 31.9 dBV/m	Grid 9 M4 31.69 dBV/m



0 dB = 78.36 V/m = 37.88 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 = 13.57 V/m; Power Drift = -0.21 dB

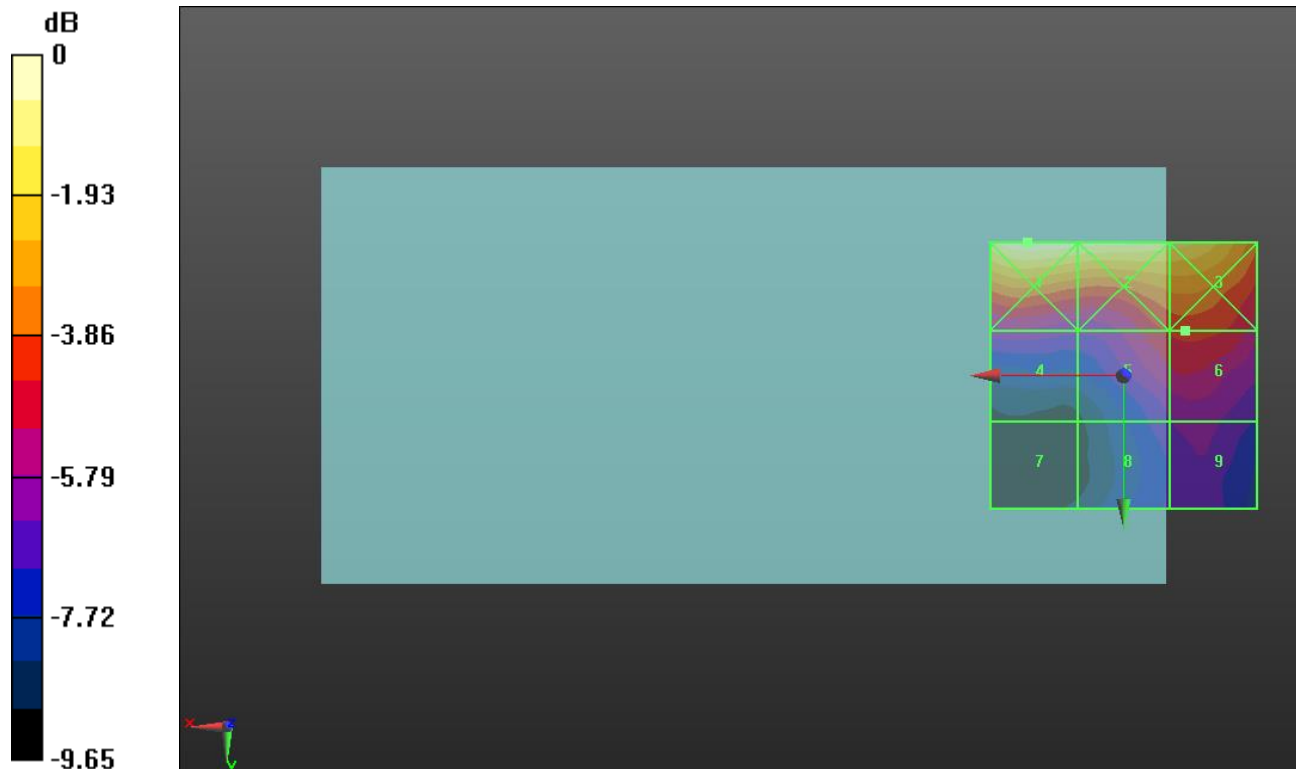
Applied MIF = 3.63 dB

RF audio interference level = 25.96 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M3 30.18 dBV/m	Grid 2 M4 29.94 dBV/m	Grid 3 M4 29.33 dBV/m
Grid 4 M4 24.35 dBV/m	Grid 5 M4 25.82 dBV/m	Grid 6 M4 25.96 dBV/m
Grid 7 M4 21.46 dBV/m	Grid 8 M4 23.71 dBV/m	Grid 9 M4 24.09 dBV/m



0 dB = 32.28 V/m = 30.18 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 = 14.49 V/m; Power Drift = -0.05 dB

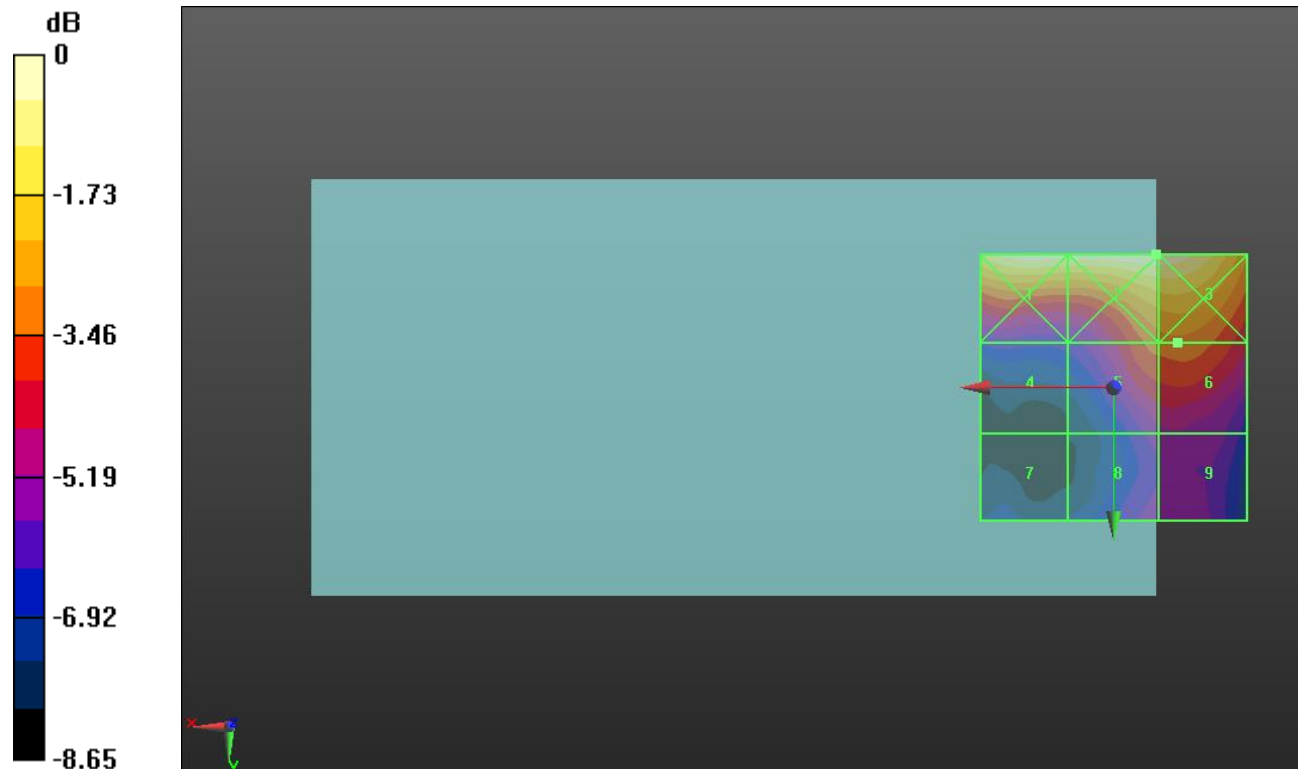
Applied MIF = 3.63 dB

RF audio interference level = 26.50 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 29.4 dBV/m	Grid 2 M4 29.52 dBV/m	Grid 3 M4 29.52 dBV/m
Grid 4 M4 23.58 dBV/m	Grid 5 M4 26.37 dBV/m	Grid 6 M4 26.5 dBV/m
Grid 7 M4 22.28 dBV/m	Grid 8 M4 24.23 dBV/m	Grid 9 M4 24.35 dBV/m



0 dB = 29.92 V/m = 29.52 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 = 16.34 V/m; Power Drift = -0.27 dB

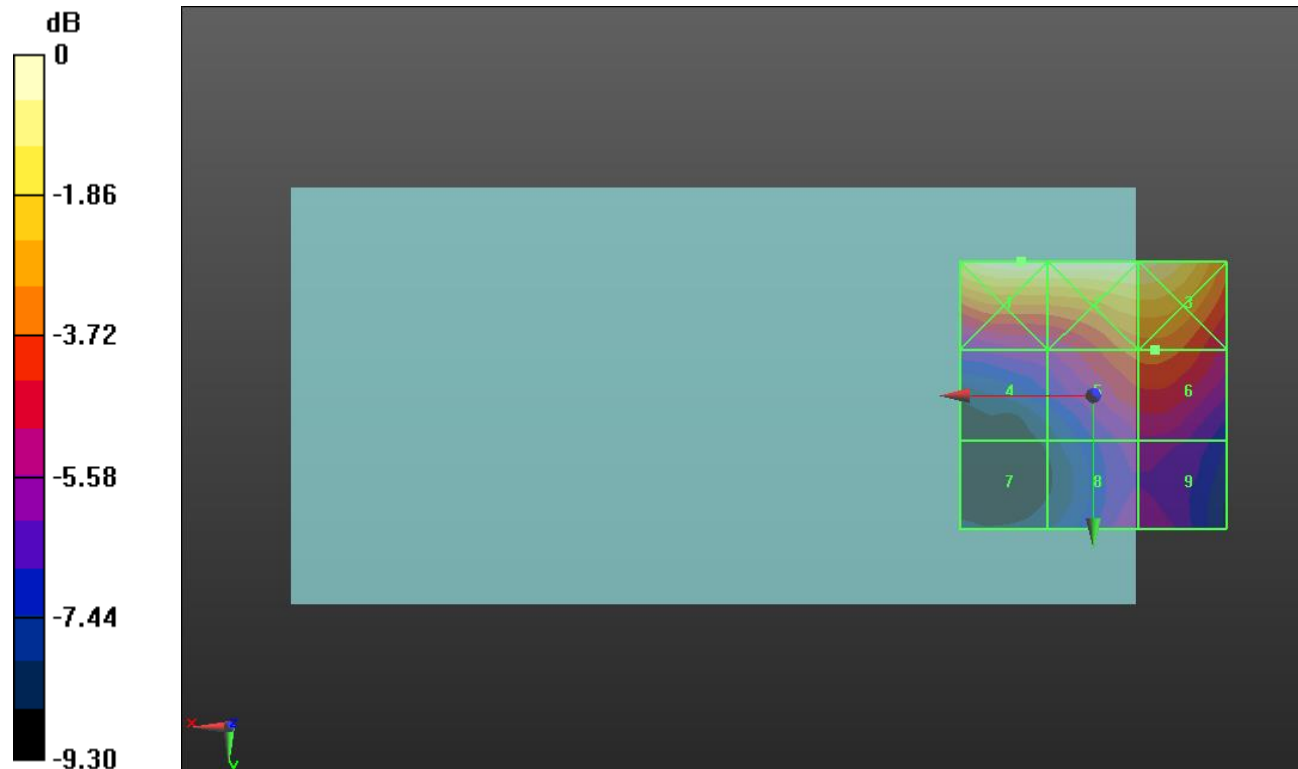
Applied MIF = 3.63 dB

RF audio interference level = 26.87 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M3 30.26 dBV/m	Grid 2 M3 30.25 dBV/m	Grid 3 M3 30.03 dBV/m
Grid 4 M4 24.74 dBV/m	Grid 5 M4 26.81 dBV/m	Grid 6 M4 26.87 dBV/m
Grid 7 M4 22.27 dBV/m	Grid 8 M4 24.58 dBV/m	Grid 9 M4 24.58 dBV/m



0 dB = 32.59 V/m = 30.26 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 = 26.56 V/m; Power Drift = 0.01 dB

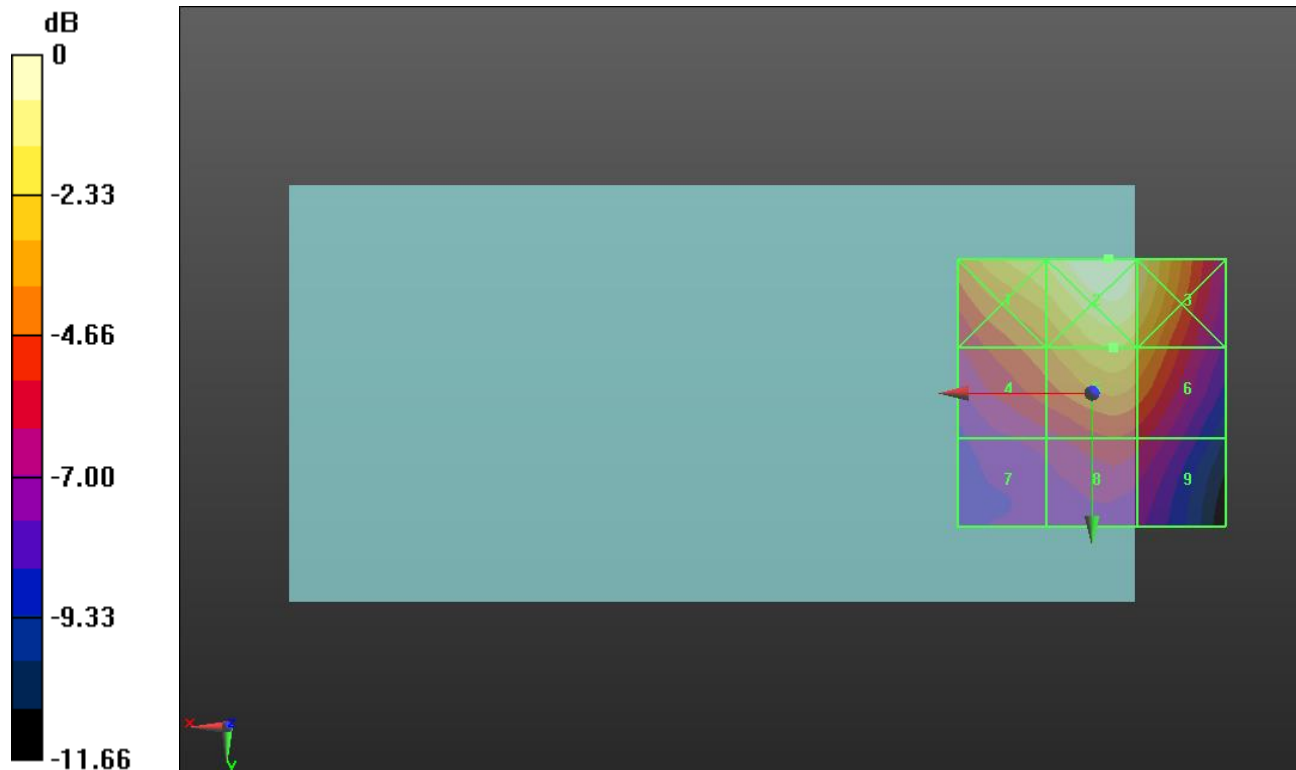
Applied MIF = 3.26 dB

RF audio interference level = 29.63 dBV/m

Emission category: **M4**

MIF scaled E-field

Grid 1 M4 30.5 dBV/m	Grid 2 M4 31.89 dBV/m	Grid 3 M4 30.97 dBV/m
Grid 4 M4 27.9 dBV/m	Grid 5 M4 29.63 dBV/m	Grid 6 M4 29.02 dBV/m
Grid 7 M4 25.38 dBV/m	Grid 8 M4 26.44 dBV/m	Grid 9 M4 26.02 dBV/m



0 dB = 39.31 V/m = 31.89 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 = 23.79 V/m; Power Drift = 0.16 dB

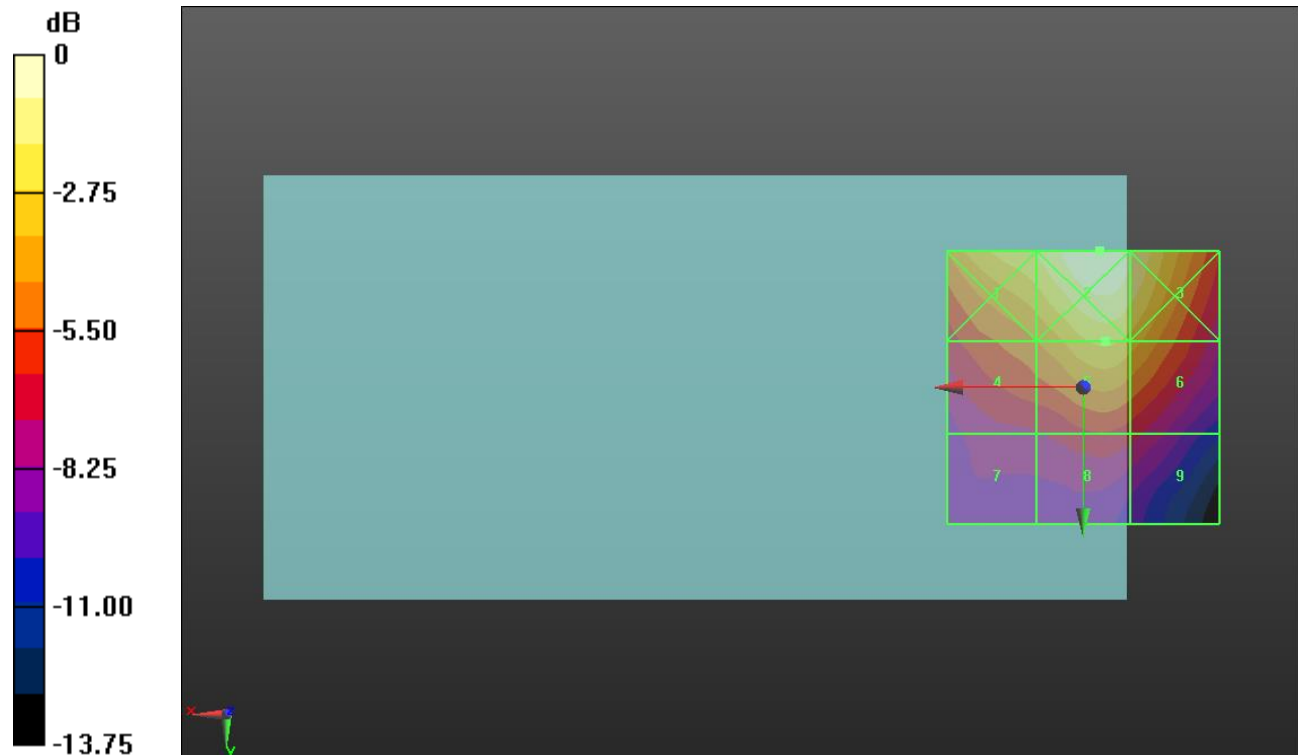
Applied MIF = 3.26 dB

RF audio interference level = 29.14 dBV/m

Emission category: **M4**

MIF scaled E-field

Grid 1 M4 30.03 dBV/m	Grid 2 M4 31.66 dBV/m	Grid 3 M4 30.91 dBV/m
Grid 4 M4 27.11 dBV/m	Grid 5 M4 29.14 dBV/m	Grid 6 M4 28.56 dBV/m
Grid 7 M4 24.26 dBV/m	Grid 8 M4 25.2 dBV/m	Grid 9 M4 24.76 dBV/m



0 dB = 38.29 V/m = 31.66 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 = 25.32 V/m; Power Drift = -0.15 dB

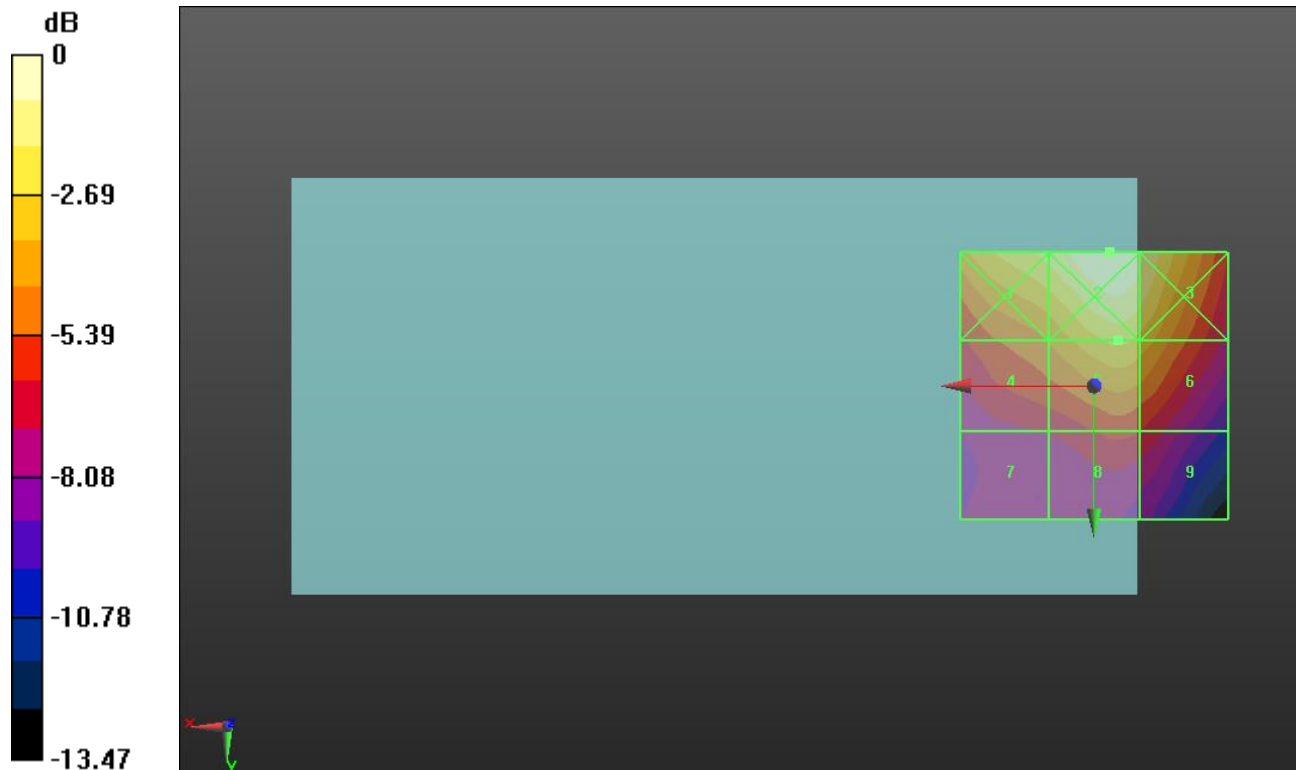
Applied MIF = 3.26 dB

RF audio interference level = 29.37 dBV/m

Emission category: **M4**

MIF scaled E-field

Grid 1 M4 30.38 dBV/m	Grid 2 M4 31.83 dBV/m	Grid 3 M4 31.1 dBV/m
Grid 4 M4 27.42 dBV/m	Grid 5 M4 29.37 dBV/m	Grid 6 M4 28.86 dBV/m
Grid 7 M4 24.77 dBV/m	Grid 8 M4 25.85 dBV/m	Grid 9 M4 25.57 dBV/m



0 dB = 39.02 V/m = 31.83 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 = 9.175 V/m; Power Drift = -0.01 dB

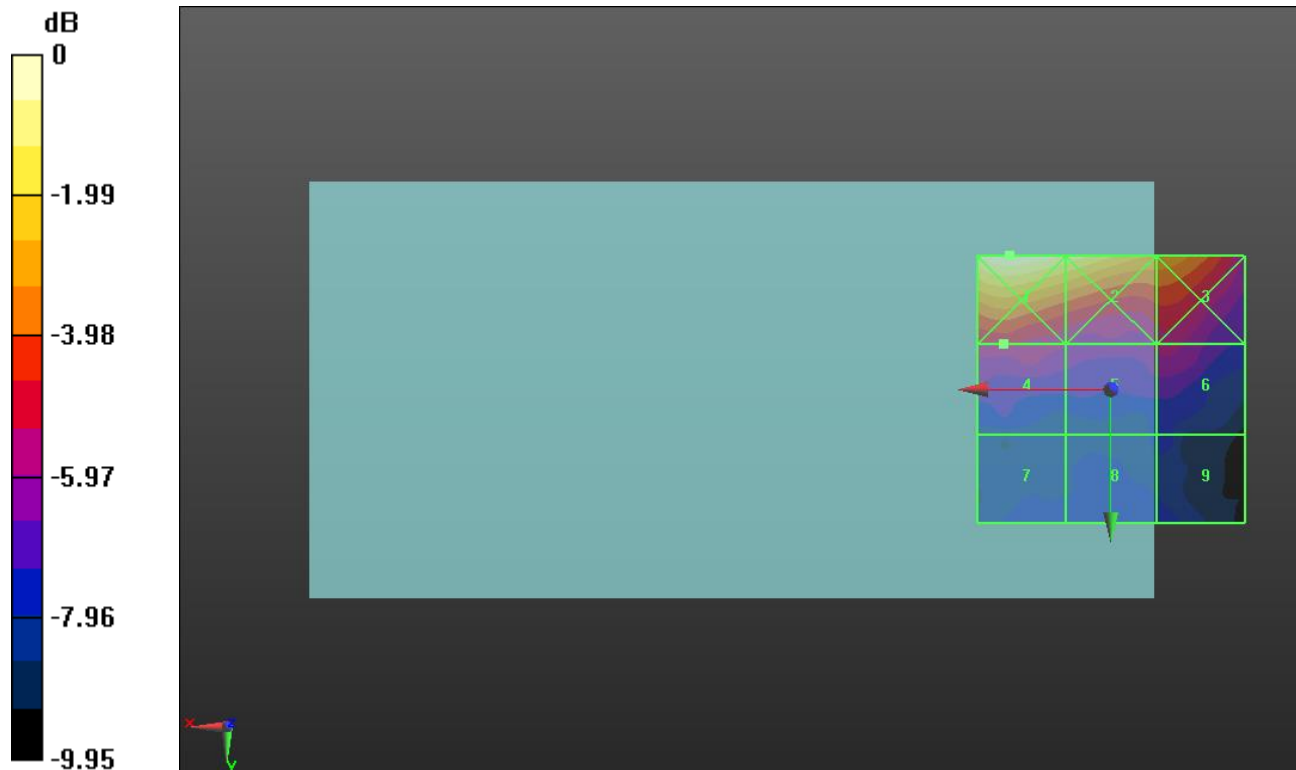
Applied MIF = 3.26 dB

RF audio interference level = 21.19 dBV/m

Emission category: **M4**

MIF scaled E-field

Grid 1 M4 26.4 dBV/m	Grid 2 M4 25.61 dBV/m	Grid 3 M4 23.82 dBV/m
Grid 4 M4 21.19 dBV/m	Grid 5 M4 20.62 dBV/m	Grid 6 M4 20.72 dBV/m
Grid 7 M4 18.83 dBV/m	Grid 8 M4 19.09 dBV/m	Grid 9 M4 18.92 dBV/m



0 dB = 20.89 V/m = 26.40 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 = 8.992 V/m; Power Drift = -0.15 dB

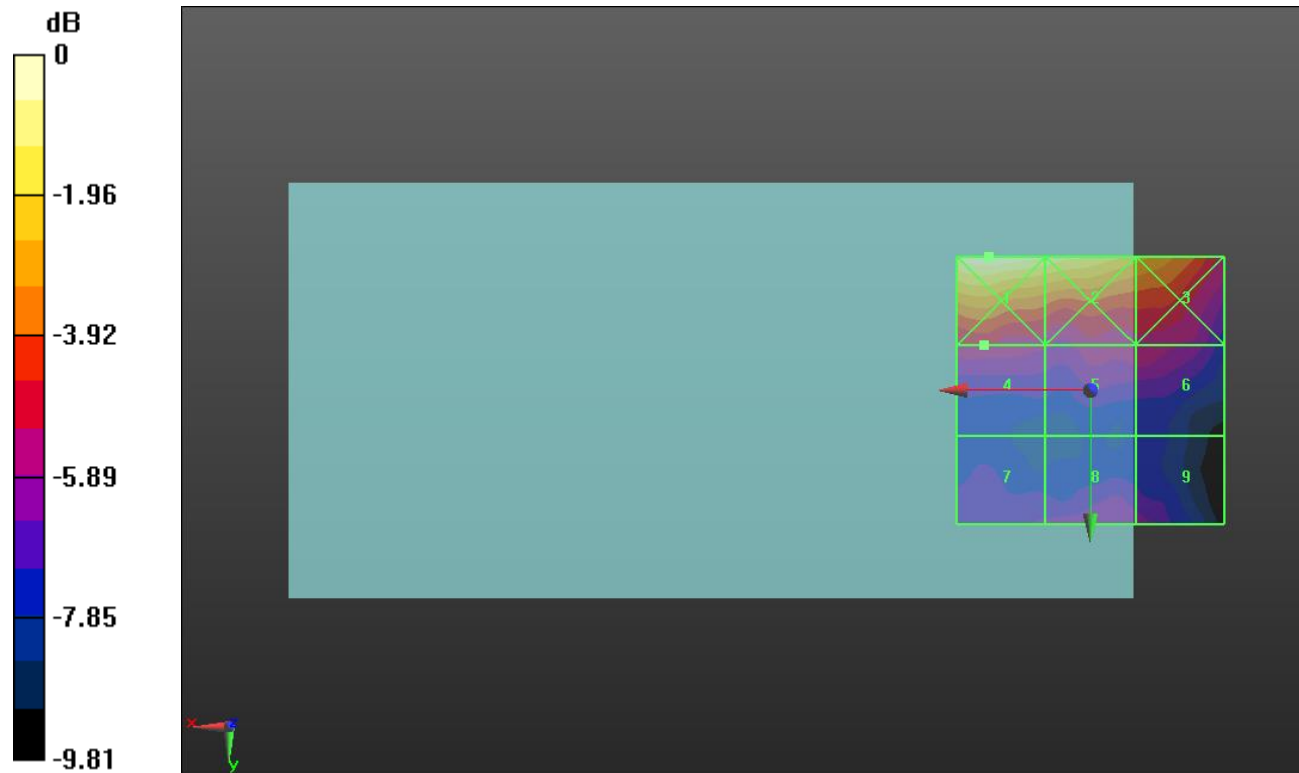
Applied MIF = 3.26 dB

RF audio interference level = 20.53 dBV/m

Emission category: **M4**

MIF scaled E-field

Grid 1 M4 25.68 dBV/m	Grid 2 M4 25.03 dBV/m	Grid 3 M4 23.41 dBV/m
Grid 4 M4 20.53 dBV/m	Grid 5 M4 20.23 dBV/m	Grid 6 M4 20.21 dBV/m
Grid 7 M4 19.32 dBV/m	Grid 8 M4 19.82 dBV/m	Grid 9 M4 19.53 dBV/m



0 dB = 19.22 V/m = 25.68 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 = 9.919 V/m; Power Drift = -0.03 dB

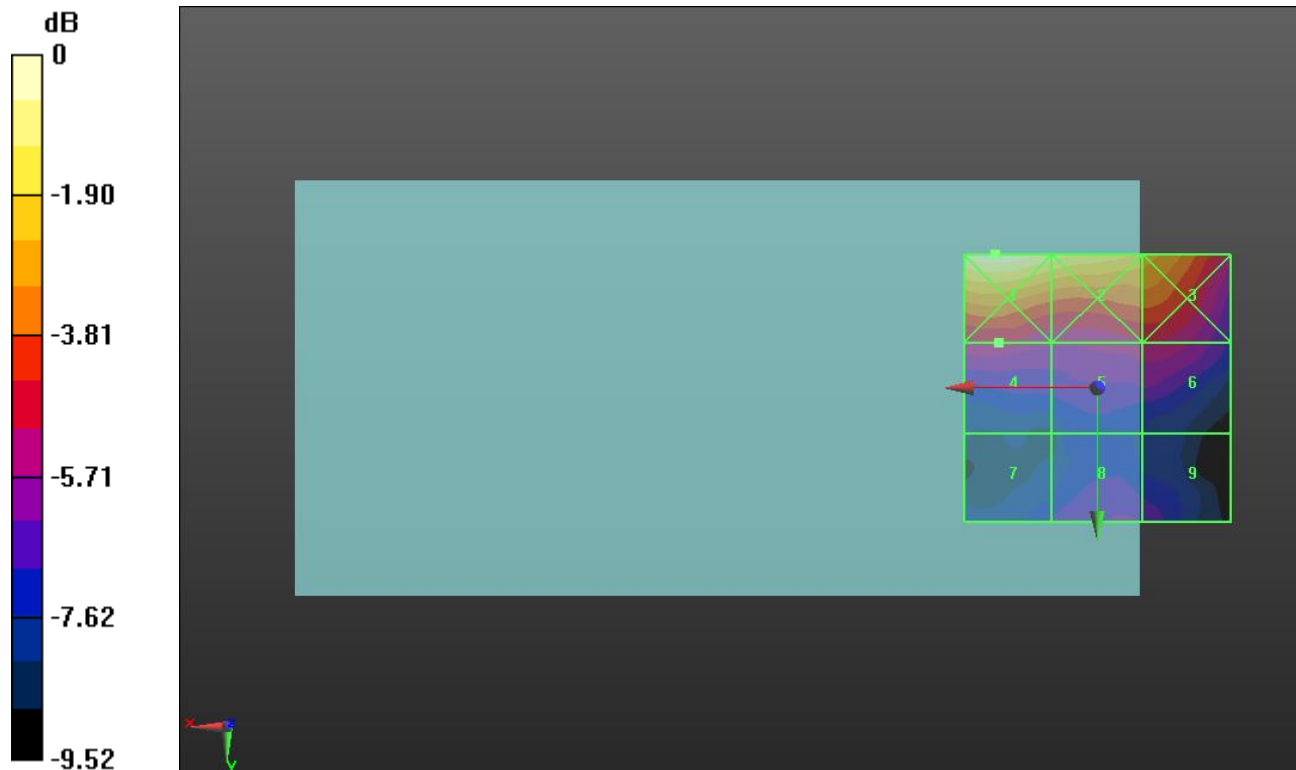
Applied MIF = 3.26 dB

RF audio interference level = 21.08 dBV/m

Emission category: **M4**

MIF scaled E-field

Grid 1 M4 26.18 dBV/m	Grid 2 M4 25.41 dBV/m	Grid 3 M4 24.05 dBV/m
Grid 4 M4 21.08 dBV/m	Grid 5 M4 21.05 dBV/m	Grid 6 M4 21.07 dBV/m
Grid 7 M4 19.41 dBV/m	Grid 8 M4 19.99 dBV/m	Grid 9 M4 19.83 dBV/m



0 dB = 20.38 V/m = 26.18 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 = 23.50 V/m; Power Drift = -0.03 dB

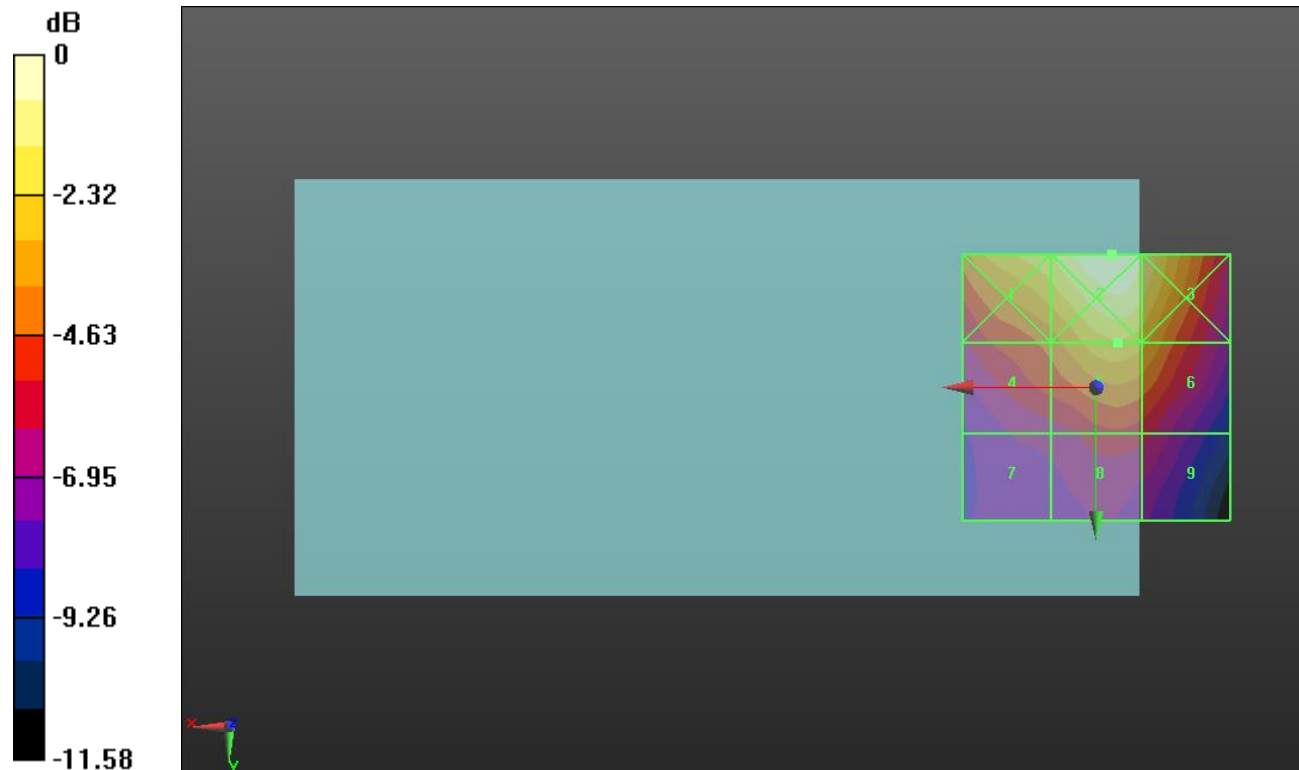
Applied MIF = 3.26 dB

RF audio interference level = 28.63 dBV/m

Emission category: **M4**

MIF scaled E-field

Grid 1 M4 29.48 dBV/m	Grid 2 M4 31.02 dBV/m	Grid 3 M4 30.25 dBV/m
Grid 4 M4 26.76 dBV/m	Grid 5 M4 28.63 dBV/m	Grid 6 M4 28.18 dBV/m
Grid 7 M4 24.5 dBV/m	Grid 8 M4 25.48 dBV/m	Grid 9 M4 25.19 dBV/m



0 dB = 35.54 V/m = 31.01 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 = 24.98 V/m; Power Drift = -0.05 dB

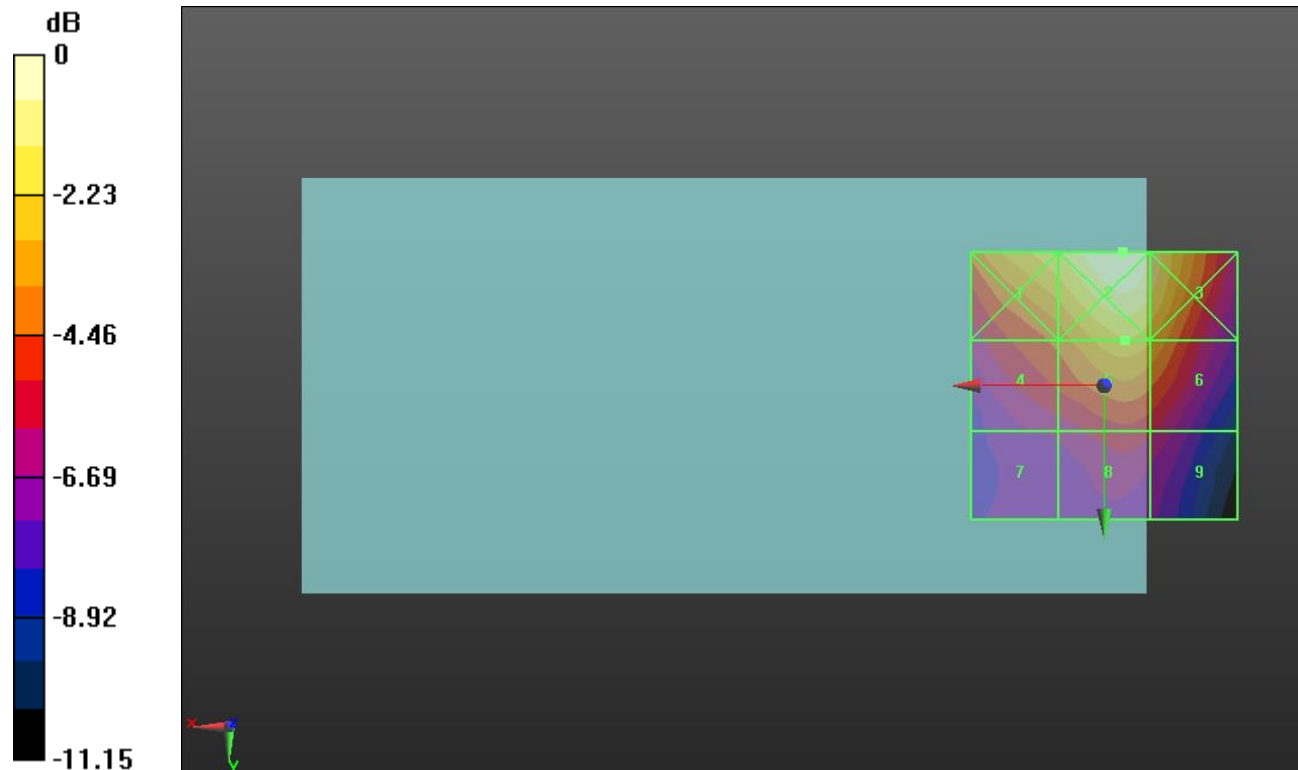
Applied MIF = 3.26 dB

RF audio interference level = 29.07 dBV/m

Emission category: **M4**

MIF scaled E-field

Grid 1 M4 29.87 dBV/m	Grid 2 M4 31.36 dBV/m	Grid 3 M4 30.49 dBV/m
Grid 4 M4 27.22 dBV/m	Grid 5 M4 29.07 dBV/m	Grid 6 M4 28.52 dBV/m
Grid 7 M4 24.93 dBV/m	Grid 8 M4 25.98 dBV/m	Grid 9 M4 25.58 dBV/m



0 dB = 36.98 V/m = 31.36 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 = 24.56 V/m; Power Drift = -0.06 dB

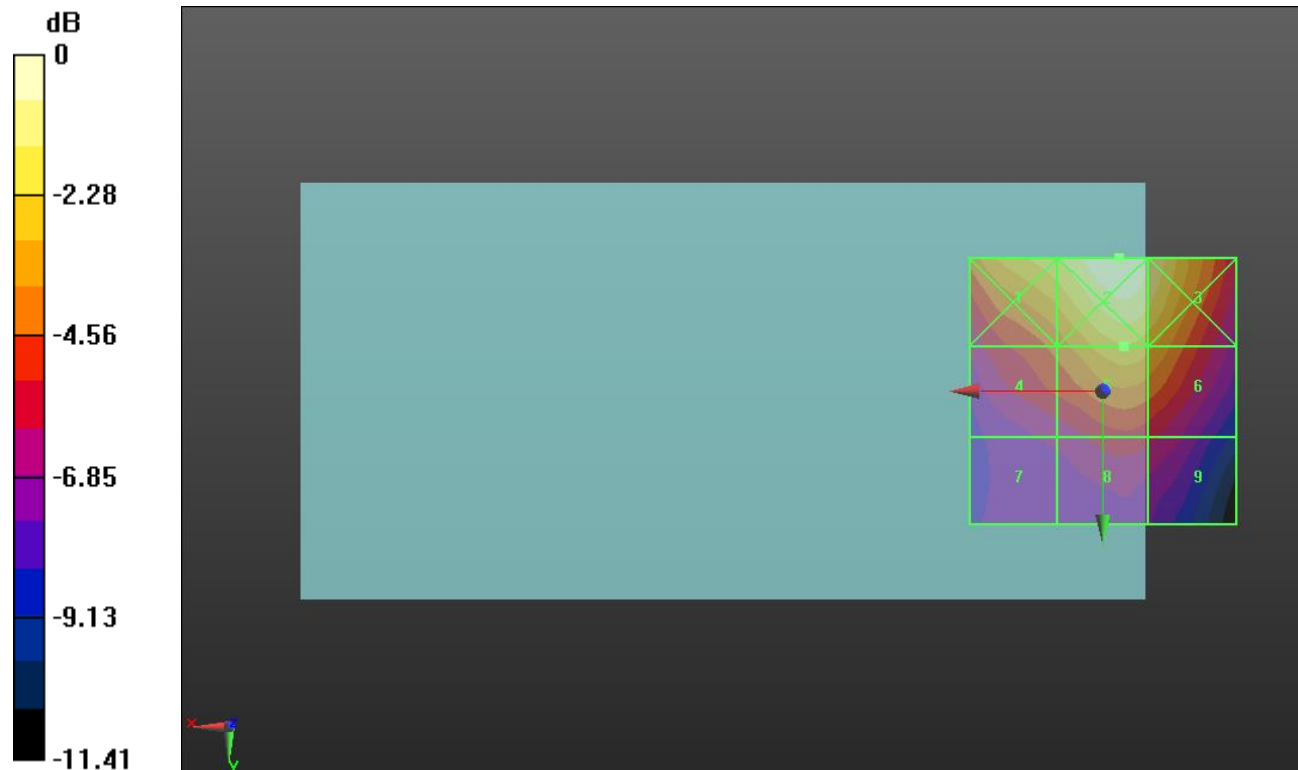
Applied MIF = 3.26 dB

RF audio interference level = 29.02 dBV/m

Emission category: **M4**

MIF scaled E-field

Grid 1 M4 29.76 dBV/m	Grid 2 M4 31.33 dBV/m	Grid 3 M4 30.68 dBV/m
Grid 4 M4 27.12 dBV/m	Grid 5 M4 29.02 dBV/m	Grid 6 M4 28.55 dBV/m
Grid 7 M4 24.8 dBV/m	Grid 8 M4 25.83 dBV/m	Grid 9 M4 25.51 dBV/m



0 dB = 36.87 V/m = 31.33 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) @ 2506 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 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 = 49.83 V/m; Power Drift = -0.06 dB

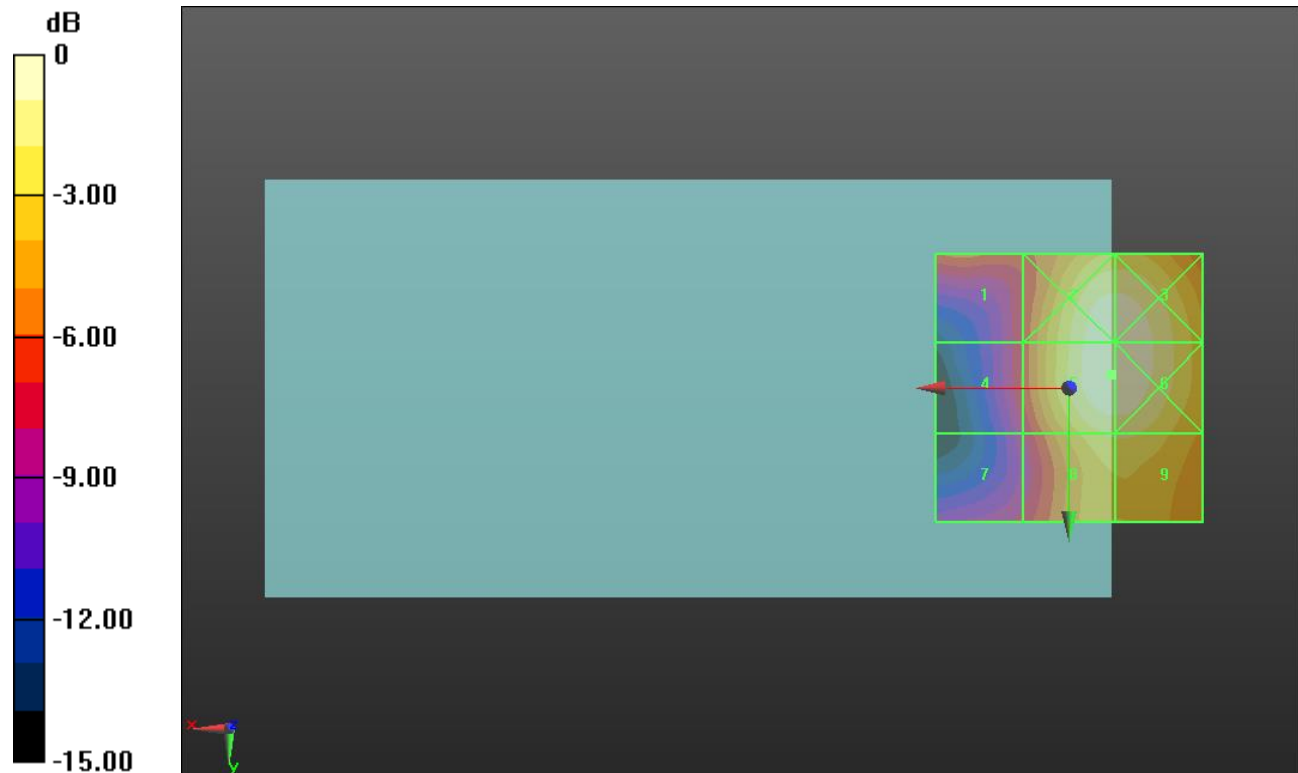
Applied MIF = -1.44 dB

RF audio interference level = 28.98 dBV/m

Emission category: **M4**

MIF scaled E-field

Grid 1 M4 23.41 dBV/m	Grid 2 M4 28.88 dBV/m	Grid 3 M4 28.88 dBV/m
Grid 4 M4 22.34 dBV/m	Grid 5 M4 28.98 dBV/m	Grid 6 M4 28.98 dBV/m
Grid 7 M4 21.53 dBV/m	Grid 8 M4 27.16 dBV/m	Grid 9 M4 27.18 dBV/m



0 dB = 28.12 V/m = 28.98 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) @ 2549.5 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 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 = 66.38 V/m; Power Drift = -0.11 dB

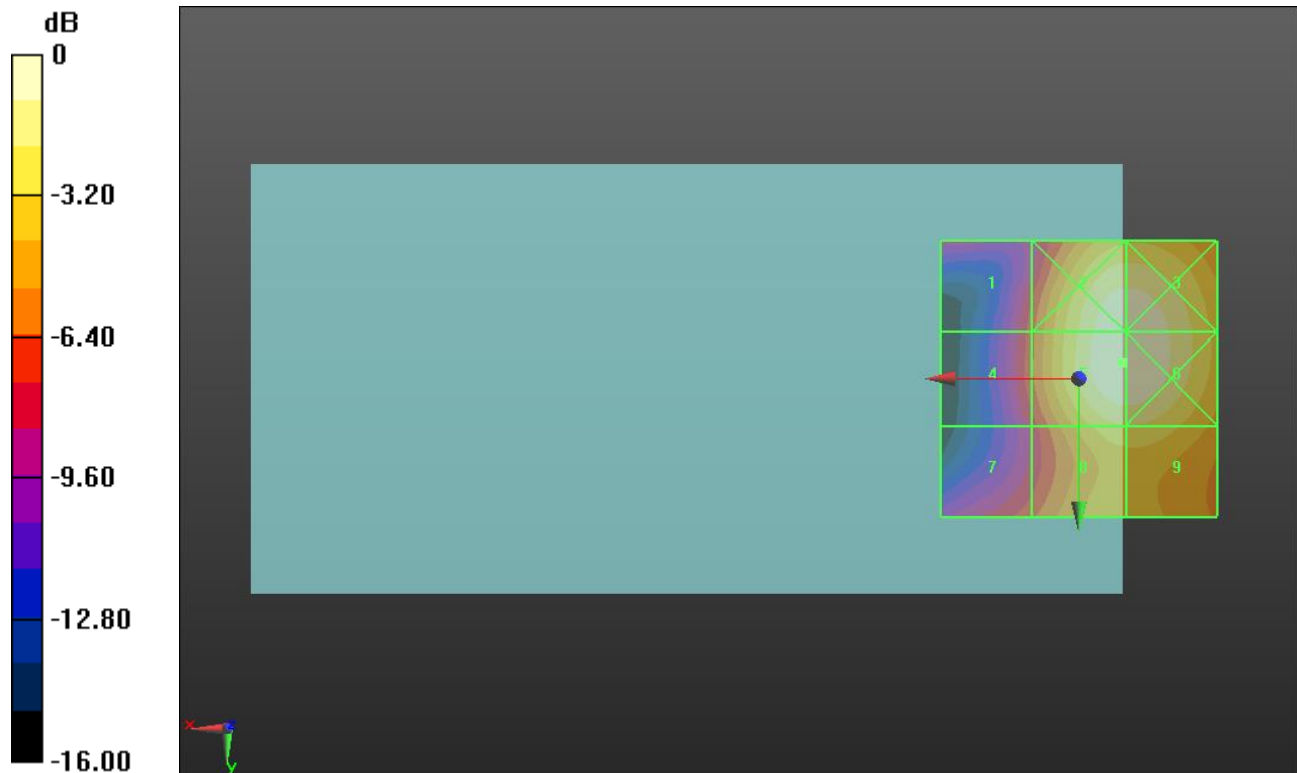
Applied MIF = -1.44 dB

RF audio interference level = 31.76 dBV/m

Emission category: **M3**

MIF scaled E-field

Grid 1 M4 25.02 dBV/m	Grid 2 M3 31.62 dBV/m	Grid 3 M3 31.62 dBV/m
Grid 4 M4 25.24 dBV/m	Grid 5 M3 31.76 dBV/m	Grid 6 M3 31.75 dBV/m
Grid 7 M4 25.16 dBV/m	Grid 8 M4 29.57 dBV/m	Grid 9 M4 29.58 dBV/m



0 dB = 38.71 V/m = 31.76 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) @ 2593 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 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 = 57.09 V/m; Power Drift = -0.03 dB

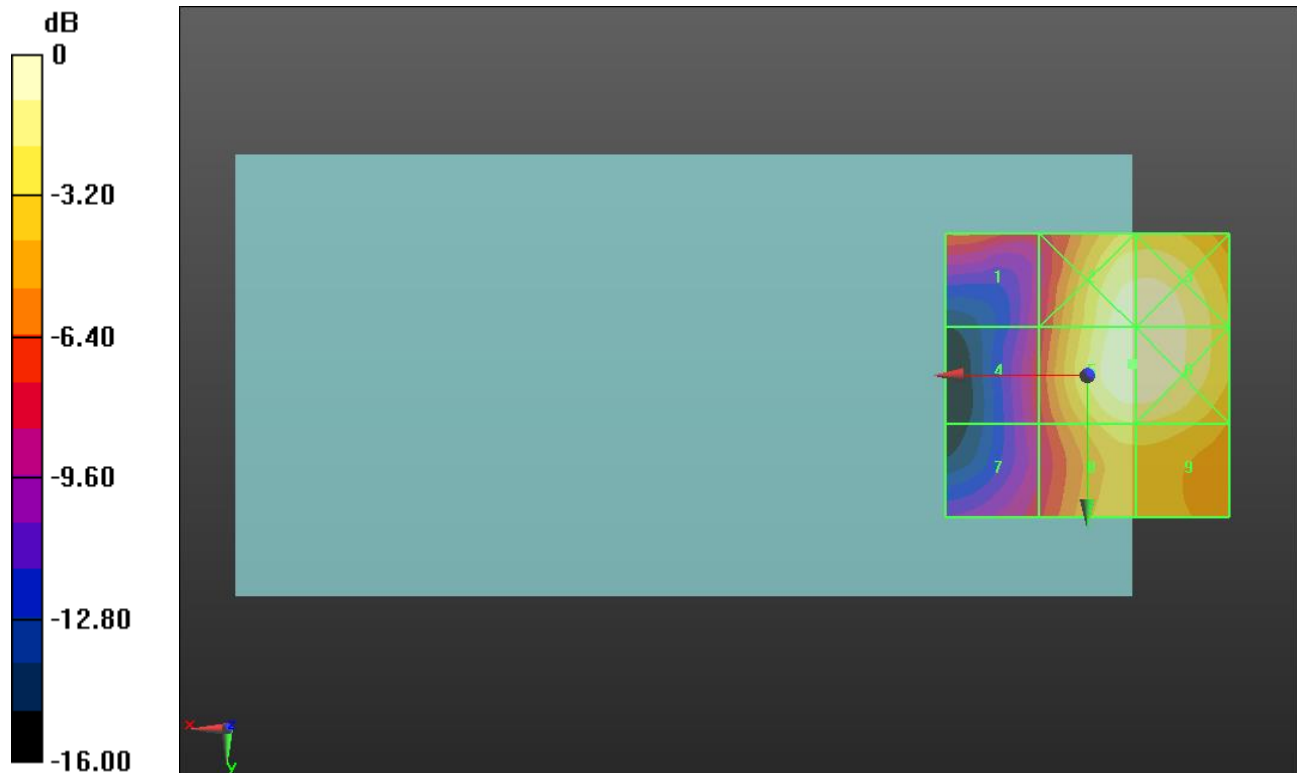
Applied MIF = -1.44 dB

RF audio interference level = 29.59 dBV/m

Emission category: **M4**

MIF scaled E-field

Grid 1 M4 23.51 dBV/m	Grid 2 M4 29.43 dBV/m	Grid 3 M4 29.47 dBV/m
Grid 4 M4 22.22 dBV/m	Grid 5 M4 29.59 dBV/m	Grid 6 M4 29.59 dBV/m
Grid 7 M4 21.95 dBV/m	Grid 8 M4 27.36 dBV/m	Grid 9 M4 27.35 dBV/m



0 dB = 30.18 V/m = 29.59 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) @ 2636.5 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 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 = 67.75 V/m; Power Drift = -0.05 dB

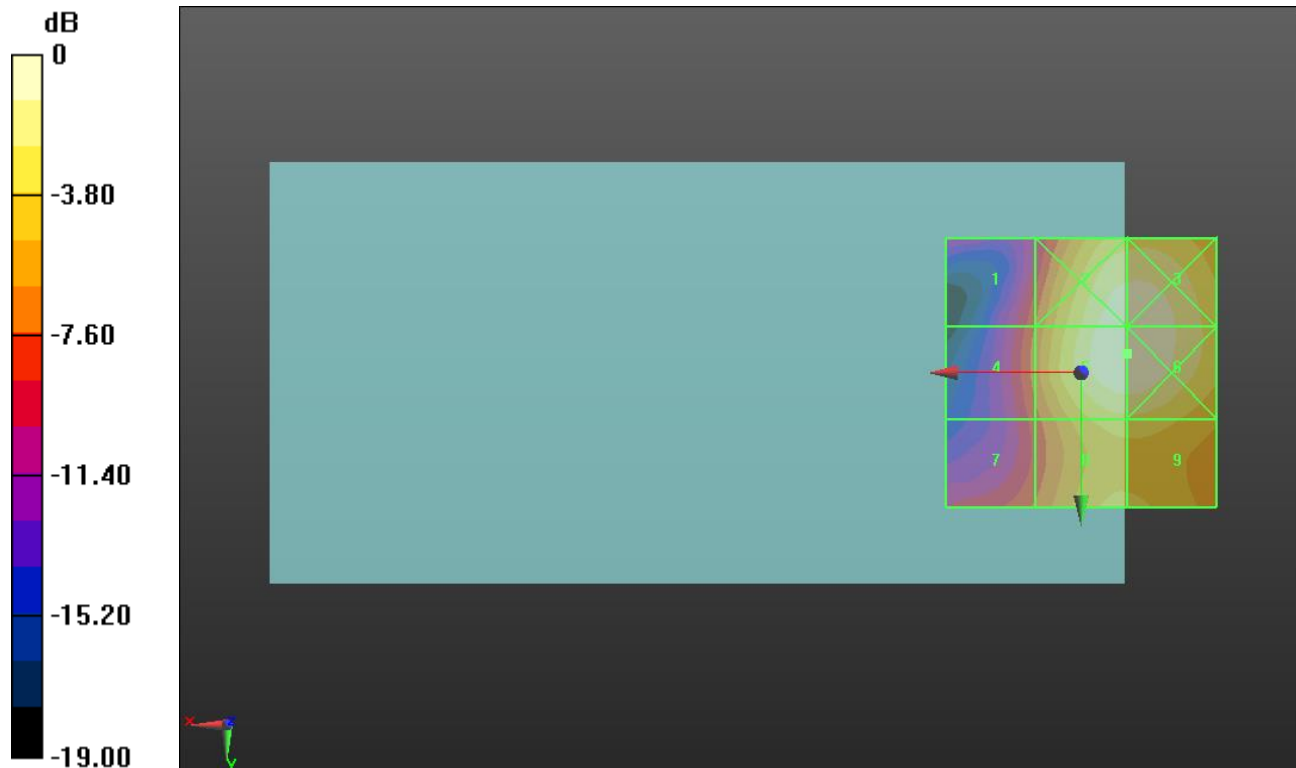
Applied MIF = -1.44 dB

RF audio interference level = 31.52 dBV/m

Emission category: **M3**

MIF scaled E-field

Grid 1 M4 24.02 dBV/m	Grid 2 M3 31.32 dBV/m	Grid 3 M3 31.34 dBV/m
Grid 4 M4 24.61 dBV/m	Grid 5 M3 31.52 dBV/m	Grid 6 M3 31.52 dBV/m
Grid 7 M4 24.21 dBV/m	Grid 8 M4 28.66 dBV/m	Grid 9 M4 28.66 dBV/m



0 dB = 37.65 V/m = 31.52 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) @ 2680 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 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 = 63.72 V/m; Power Drift = -0.09 dB

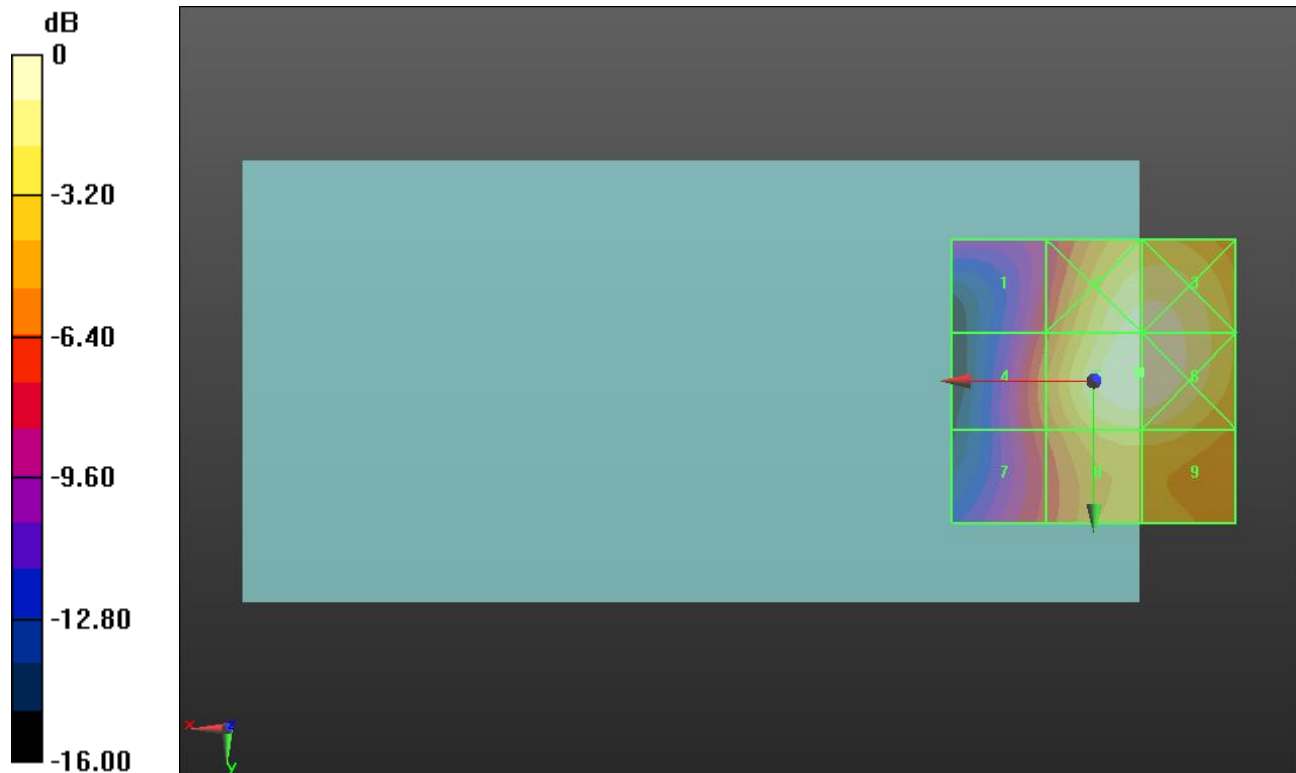
Applied MIF = -1.44 dB

RF audio interference level = 29.97 dBV/m

Emission category: **M4**

MIF scaled E-field

Grid 1 M4 23.08 dBV/m	Grid 2 M4 29.51 dBV/m	Grid 3 M4 29.54 dBV/m
Grid 4 M4 24.48 dBV/m	Grid 5 M4 29.97 dBV/m	Grid 6 M4 29.96 dBV/m
Grid 7 M4 23.65 dBV/m	Grid 8 M4 27.68 dBV/m	Grid 9 M4 27.66 dBV/m



0 dB = 31.50 V/m = 29.97 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 = 19.98 V/m; Power Drift = 0.12 dB

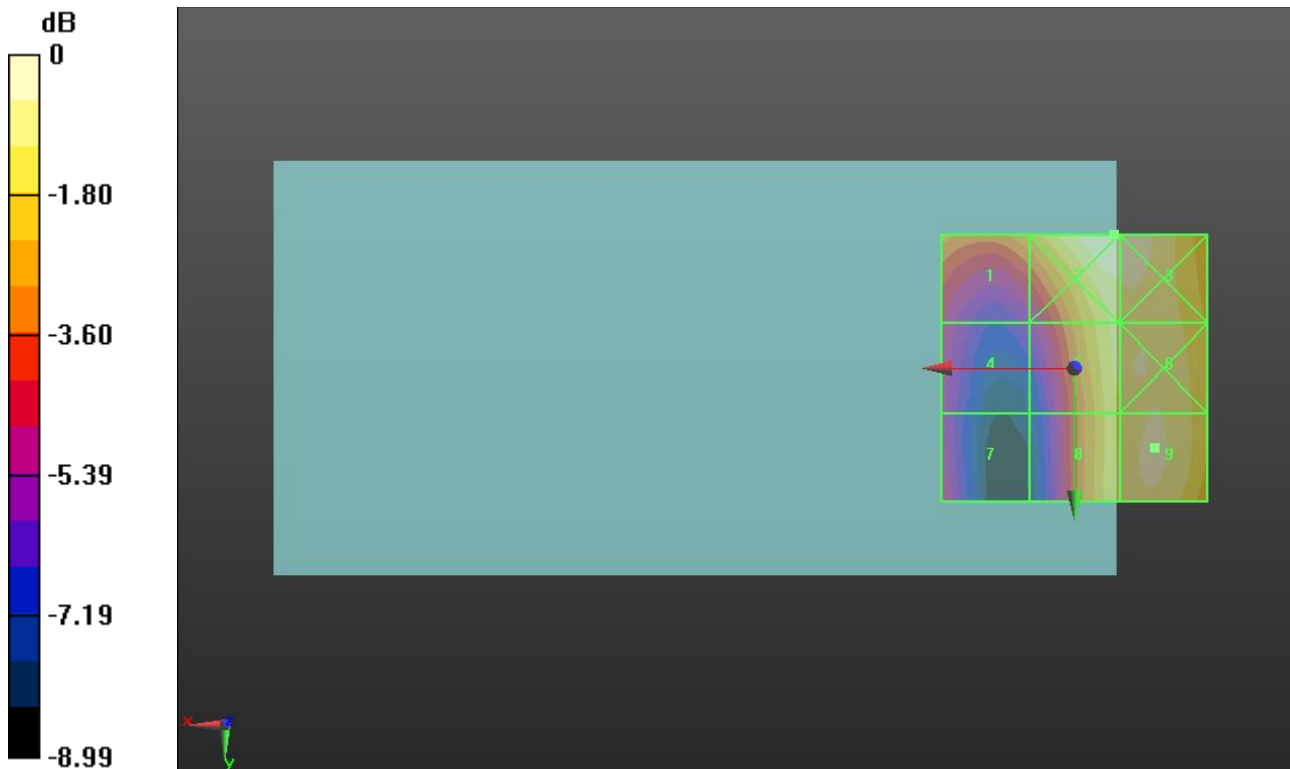
Applied MIF = 3.63 dB

RF audio interference level = 30.70 dBV/m

Emission category: **M3**

MIF scaled E-field

Grid 1 M4 28.85 dBV/m	Grid 2 M3 31.18 dBV/m	Grid 3 M3 31.17 dBV/m
Grid 4 M4 26.58 dBV/m	Grid 5 M3 30.27 dBV/m	Grid 6 M3 30.62 dBV/m
Grid 7 M4 26.66 dBV/m	Grid 8 M3 30.09 dBV/m	Grid 9 M3 30.7 dBV/m



0 dB = 36.24 V/m = 31.18 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 = 21.22 V/m; Power Drift = 0.54 dB

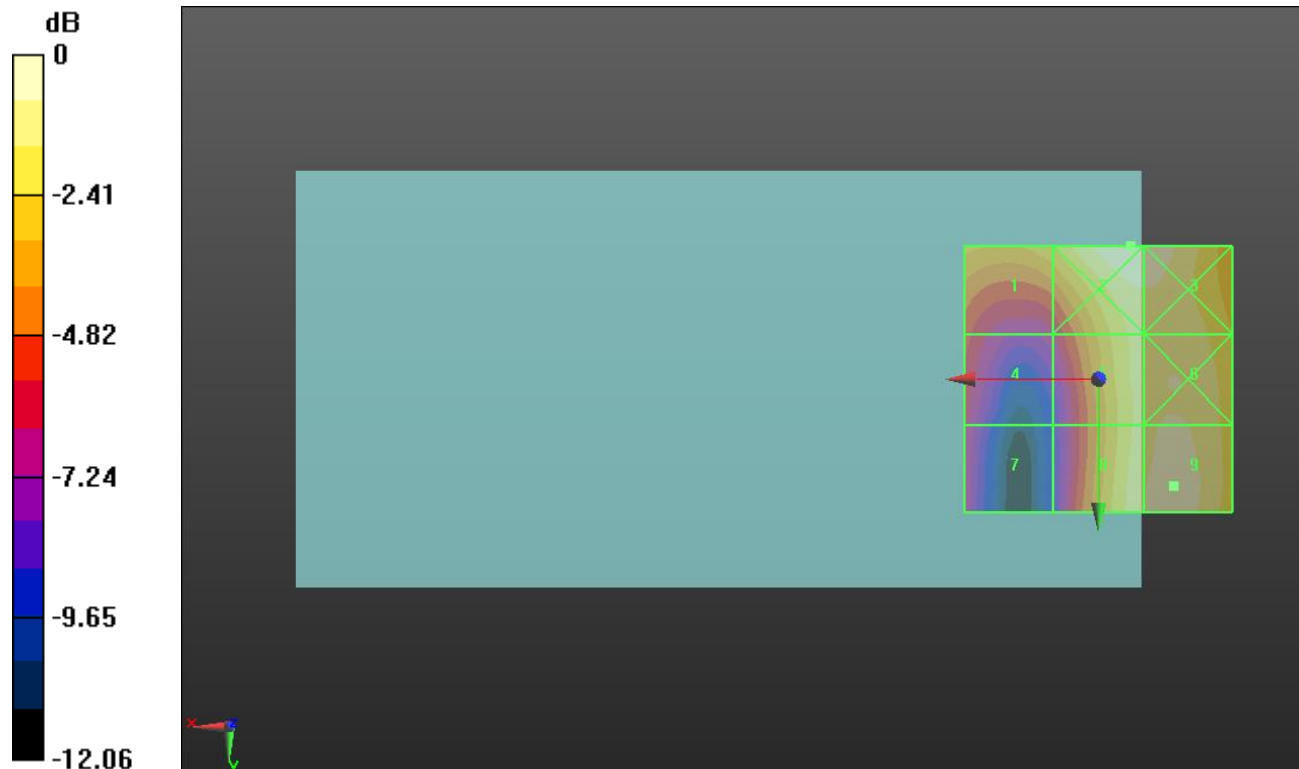
Applied MIF = 3.63 dB

RF audio interference level = 31.00 dBV/m

Emission category: M3

MIF scaled E-field

Grid 1 M4 29.09 dBV/m	Grid 2 M3 31.42 dBV/m	Grid 3 M3 31.33 dBV/m
Grid 4 M4 26.2 dBV/m	Grid 5 M3 30.25 dBV/m	Grid 6 M3 30.71 dBV/m
Grid 7 M4 25.16 dBV/m	Grid 8 M3 30.56 dBV/m	Grid 9 M3 31 dBV/m



0 dB = 37.25 V/m = 31.42 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 = 20.49 V/m; Power Drift = 0.06 dB

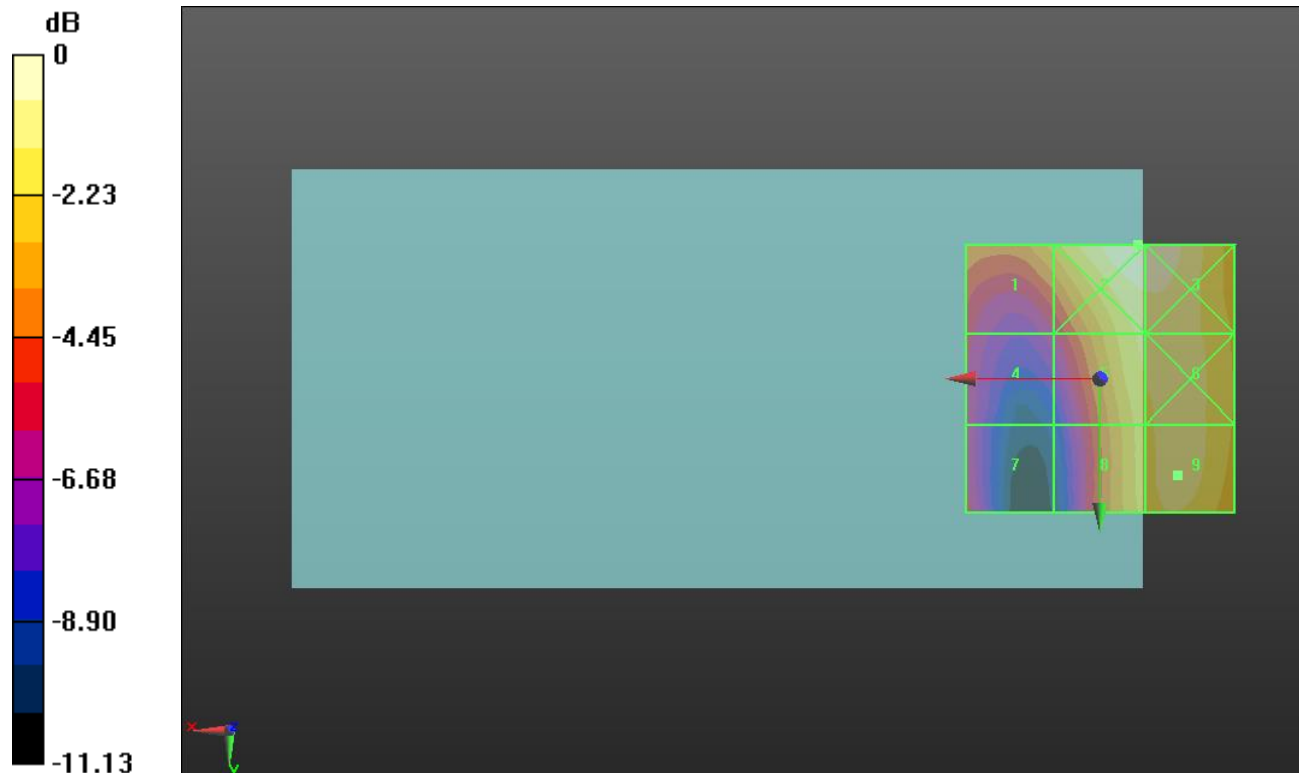
Applied MIF = 3.63 dB

RF audio interference level = 30.02 dBV/m

Emission category: M3

MIF scaled E-field

Grid 1 M4 28.73 dBV/m	Grid 2 M3 31.26 dBV/m	Grid 3 M3 31.23 dBV/m
Grid 4 M4 25.86 dBV/m	Grid 5 M4 29.99 dBV/m	Grid 6 M3 30.17 dBV/m
Grid 7 M4 25.9 dBV/m	Grid 8 M4 29.53 dBV/m	Grid 9 M3 30.02 dBV/m



0 dB = 36.55 V/m = 31.26 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) @ 2506 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 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 = 14.02 V/m; Power Drift = 0.16 dB

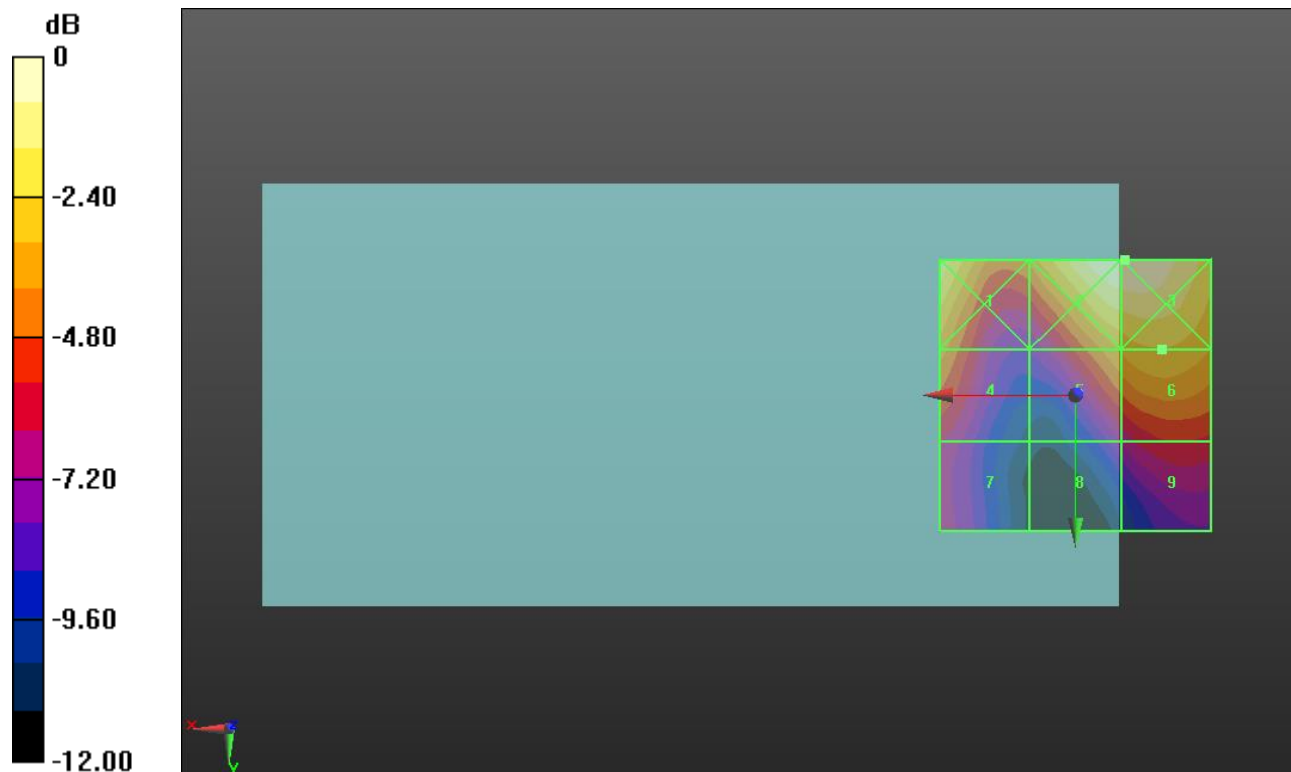
Applied MIF = -1.44 dB

RF audio interference level = 26.02 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 27.55 dBV/m	Grid 2 M4 28.44 dBV/m	Grid 3 M4 28.44 dBV/m
Grid 4 M4 24.85 dBV/m	Grid 5 M4 25.42 dBV/m	Grid 6 M4 26.02 dBV/m
Grid 7 M4 22.05 dBV/m	Grid 8 M4 21.38 dBV/m	Grid 9 M4 22.86 dBV/m



0 dB = 26.41 V/m = 28.44 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) @ 2549.5 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 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 = 11.50 V/m; Power Drift = 0.14 dB

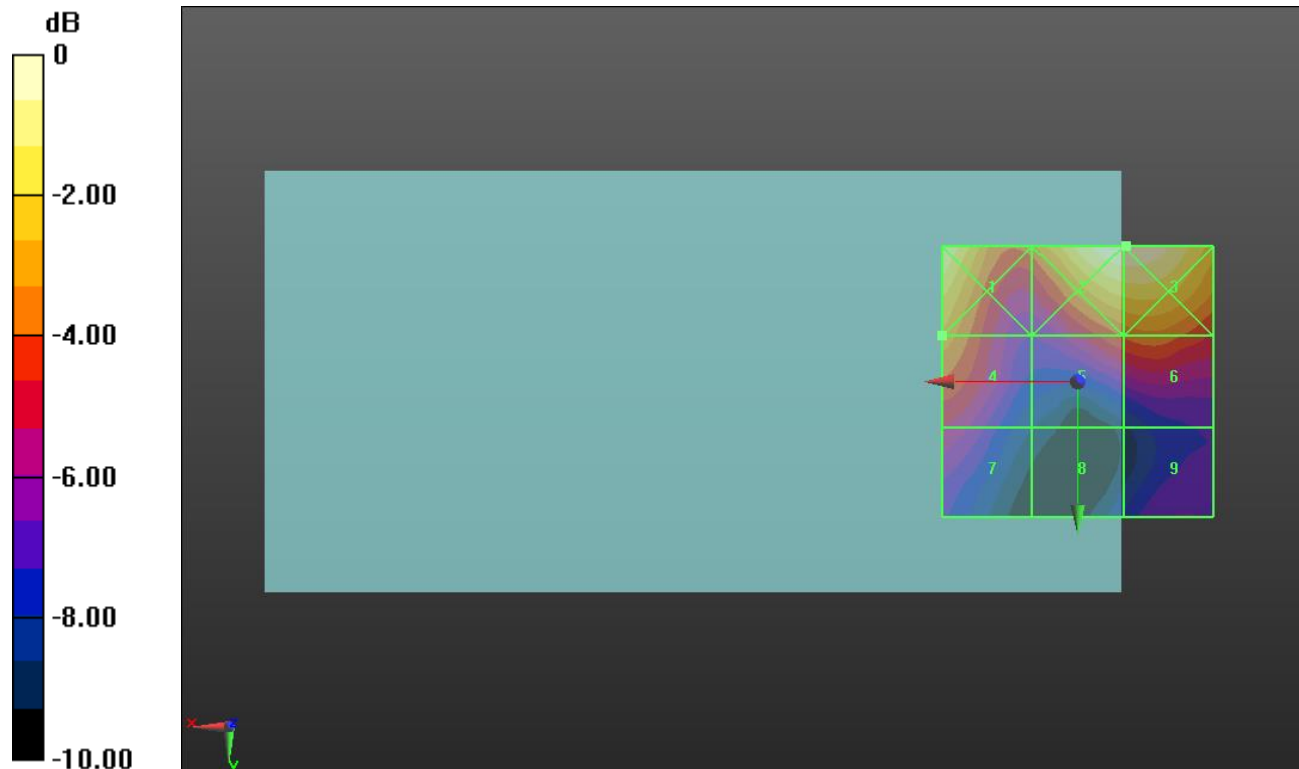
Applied MIF = -1.44 dB

RF audio interference level = 25.20 dBV/m

Emission category: **M4**

MIF scaled E-field

Grid 1 M4 27.62 dBV/m	Grid 2 M4 27.99 dBV/m	Grid 3 M4 27.99 dBV/m
Grid 4 M4 25.2 dBV/m	Grid 5 M4 24.12 dBV/m	Grid 6 M4 24.47 dBV/m
Grid 7 M4 22.66 dBV/m	Grid 8 M4 20.21 dBV/m	Grid 9 M4 21.39 dBV/m



0 dB = 25.09 V/m = 27.99 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) @ 2593 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 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 = 7.411 V/m; Power Drift = 0.03 dB

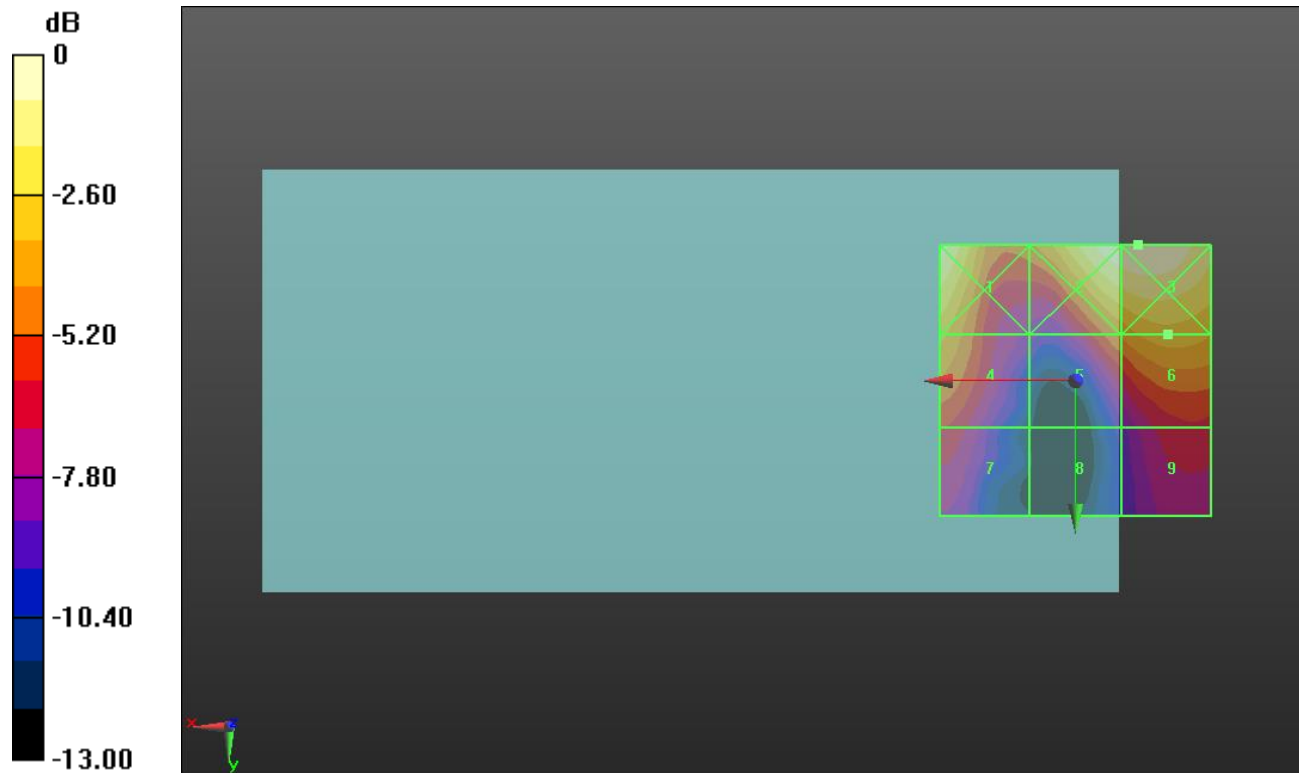
Applied MIF = -1.44 dB

RF audio interference level = 24.07 dBV/m

Emission category: **M4**

MIF scaled E-field

Grid 1 M4 26.79 dBV/m	Grid 2 M4 26.92 dBV/m	Grid 3 M4 27.05 dBV/m
Grid 4 M4 23.87 dBV/m	Grid 5 M4 22.91 dBV/m	Grid 6 M4 24.07 dBV/m
Grid 7 M4 21.06 dBV/m	Grid 8 M4 18.18 dBV/m	Grid 9 M4 20.9 dBV/m



0 dB = 22.51 V/m = 27.05 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) @ 2636.5 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 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 = 8.341 V/m; Power Drift = 0.06 dB

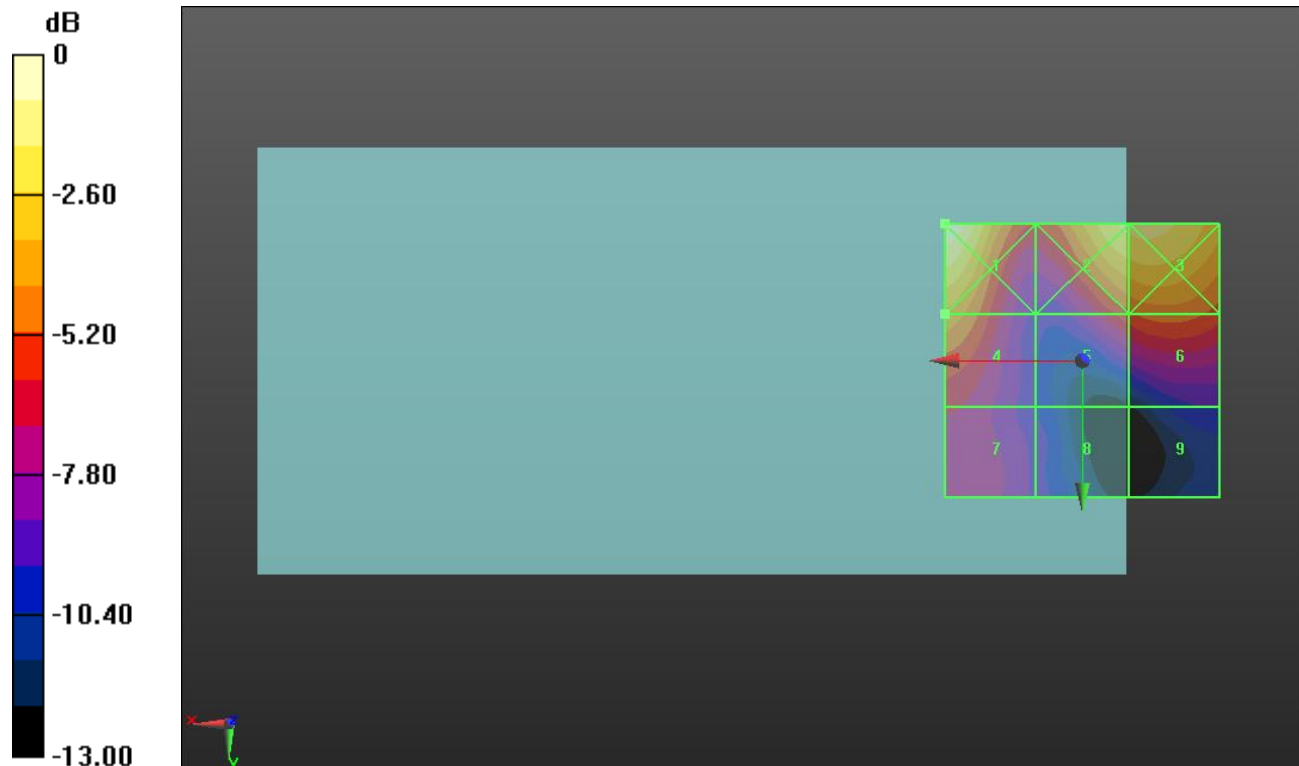
Applied MIF = -1.44 dB

RF audio interference level = 23.37 dBV/m

Emission category: **M4**

MIF scaled E-field

Grid 1 M4 27.01 dBV/m	Grid 2 M4 25.54 dBV/m	Grid 3 M4 25.67 dBV/m
Grid 4 M4 23.37 dBV/m	Grid 5 M4 21.59 dBV/m	Grid 6 M4 22.24 dBV/m
Grid 7 M4 20.22 dBV/m	Grid 8 M4 18.13 dBV/m	Grid 9 M4 17.52 dBV/m



0 dB = 22.41 V/m = 27.01 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) @ 2680 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 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 = 8.486 V/m; Power Drift = 0.07 dB

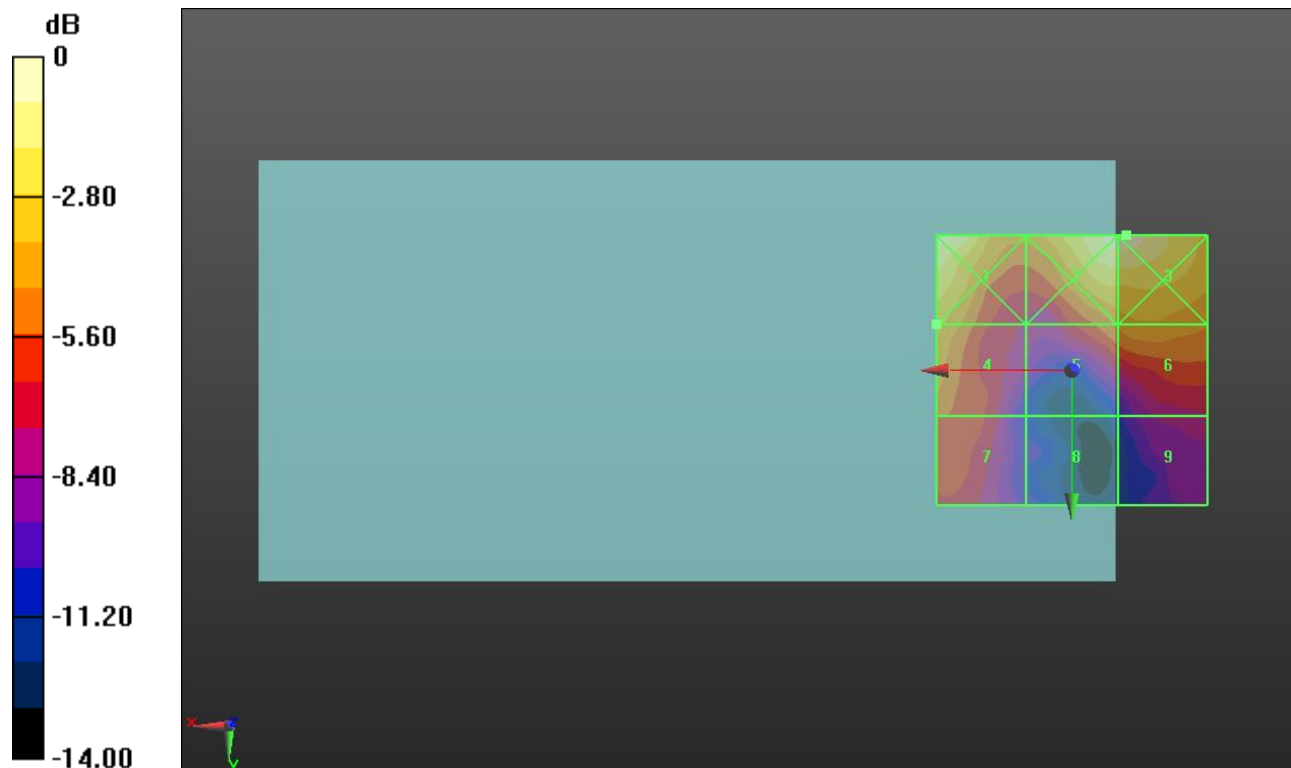
Applied MIF = -1.44 dB

RF audio interference level = 23.14 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 26.04 dBV/m	Grid 2 M4 26.43 dBV/m	Grid 3 M4 26.54 dBV/m
Grid 4 M4 23.14 dBV/m	Grid 5 M4 22.09 dBV/m	Grid 6 M4 22.68 dBV/m
Grid 7 M4 20.98 dBV/m	Grid 8 M4 17.03 dBV/m	Grid 9 M4 19.03 dBV/m



0 dB = 21.23 V/m = 26.54 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) @ 2506 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 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 = 13.44 V/m; Power Drift = -1.28 dB

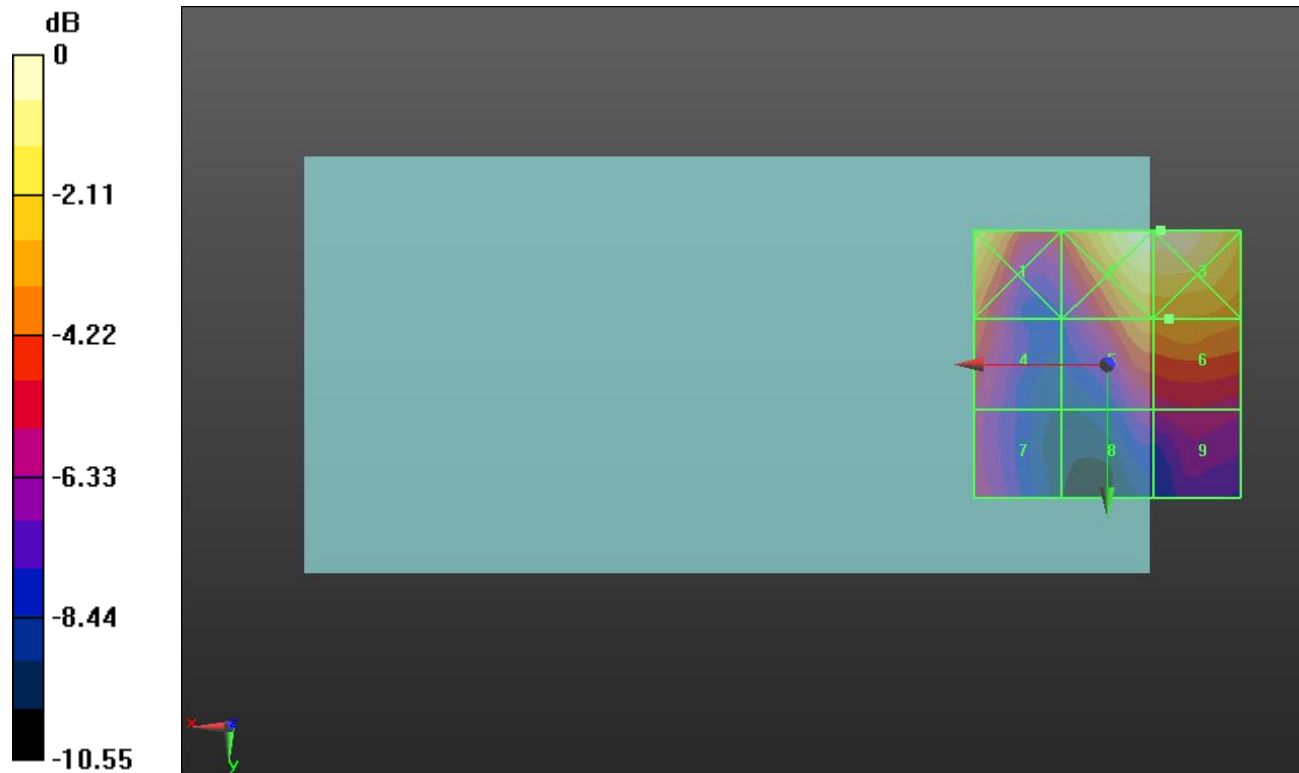
Applied MIF = -1.44 dB

RF audio interference level = 23.56 dBV/m

Emission category: **M4**

MIF scaled E-field

Grid 1 M4 25.07 dBV/m	Grid 2 M4 26.28 dBV/m	Grid 3 M4 26.32 dBV/m
Grid 4 M4 22.3 dBV/m	Grid 5 M4 23.41 dBV/m	Grid 6 M4 23.56 dBV/m
Grid 7 M4 20.67 dBV/m	Grid 8 M4 20.09 dBV/m	Grid 9 M4 20.65 dBV/m



0 dB = 20.71 V/m = 26.32 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) @ 2549.5 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 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 = 10.05 V/m; Power Drift = 0.05 dB

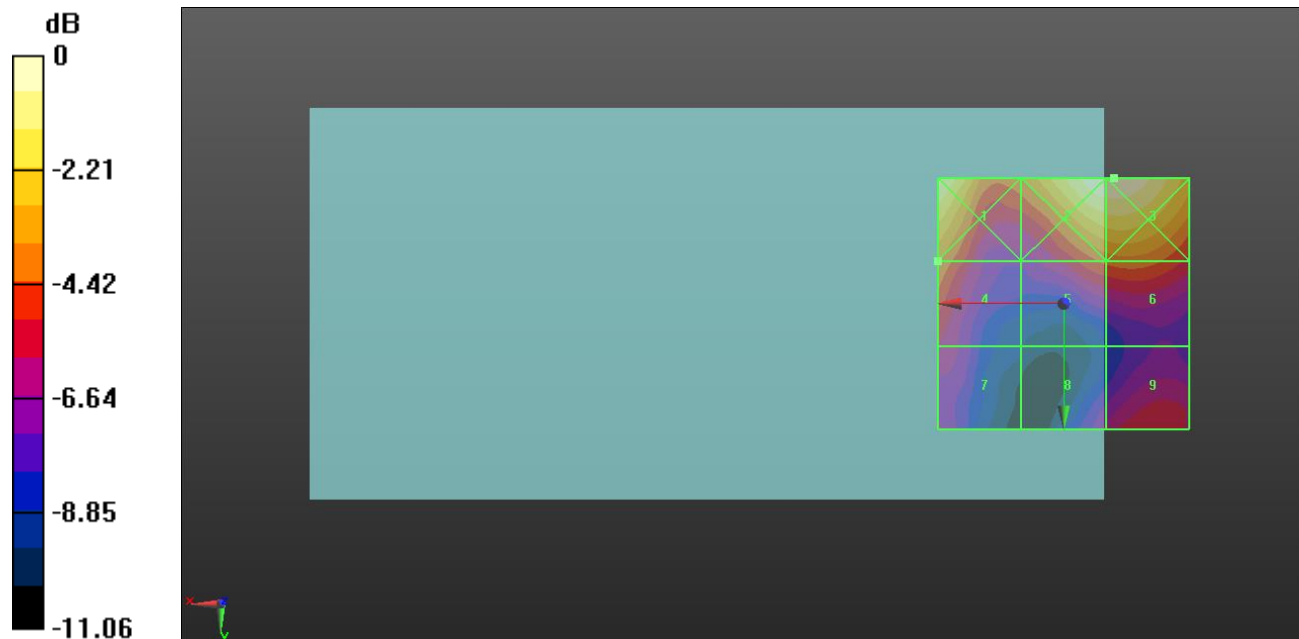
Applied MIF = -1.44 dB

RF audio interference level = 22.44 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 25.57 dBV/m	Grid 2 M4 25.93 dBV/m	Grid 3 M4 25.96 dBV/m
Grid 4 M4 22.44 dBV/m	Grid 5 M4 21.81 dBV/m	Grid 6 M4 22.03 dBV/m
Grid 7 M4 20.01 dBV/m	Grid 8 M4 19.62 dBV/m	Grid 9 M4 20.84 dBV/m



0 dB = 19.87 V/m = 25.96 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) @ 2593 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 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 = 8.183 V/m; Power Drift = 0.12 dB

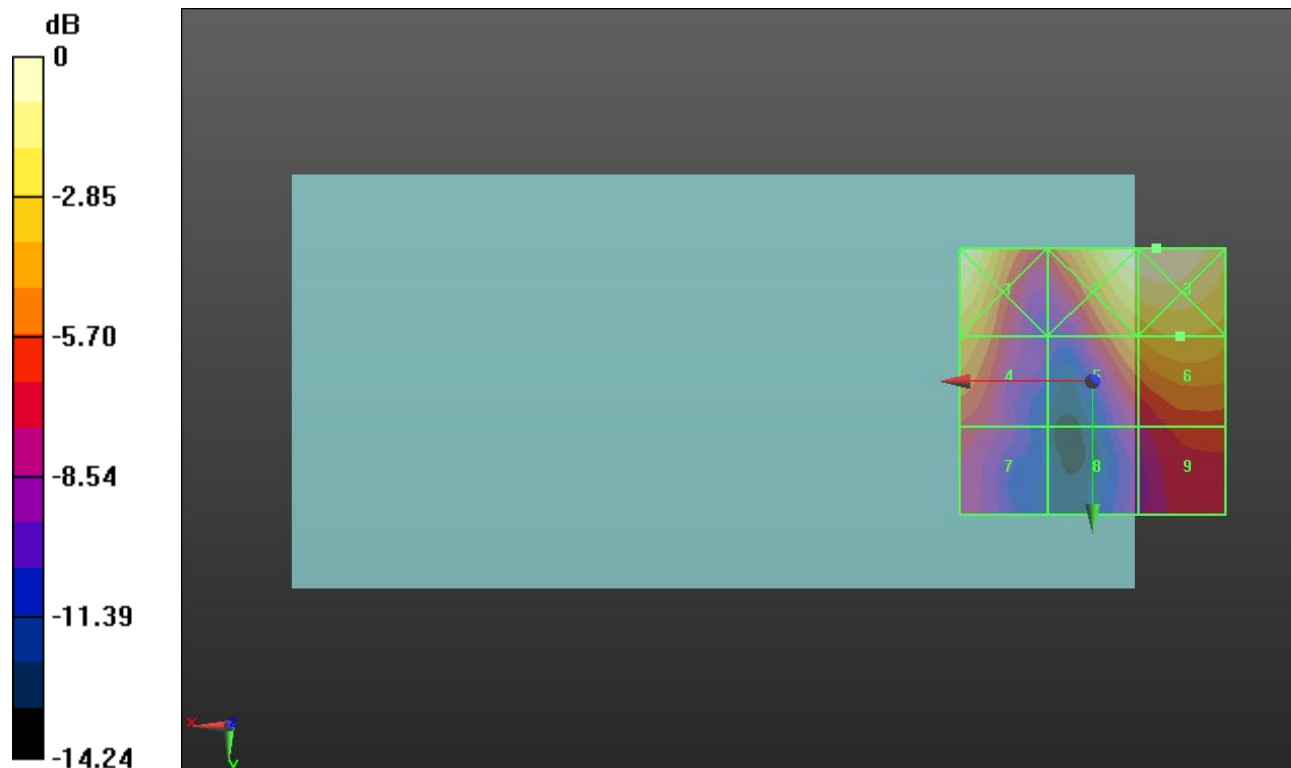
Applied MIF = -1.44 dB

RF audio interference level = 22.52 dBV/m

Emission category: **M4**

MIF scaled E-field

Grid 1 M4 25.2 dBV/m	Grid 2 M4 25.07 dBV/m	Grid 3 M4 25.29 dBV/m
Grid 4 M4 21.76 dBV/m	Grid 5 M4 21.53 dBV/m	Grid 6 M4 22.52 dBV/m
Grid 7 M4 18.56 dBV/m	Grid 8 M4 17.33 dBV/m	Grid 9 M4 19.19 dBV/m



0 dB = 18.38 V/m = 25.29 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) @ 2636.5 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 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 = 7.448 V/m; Power Drift = -0.10 dB

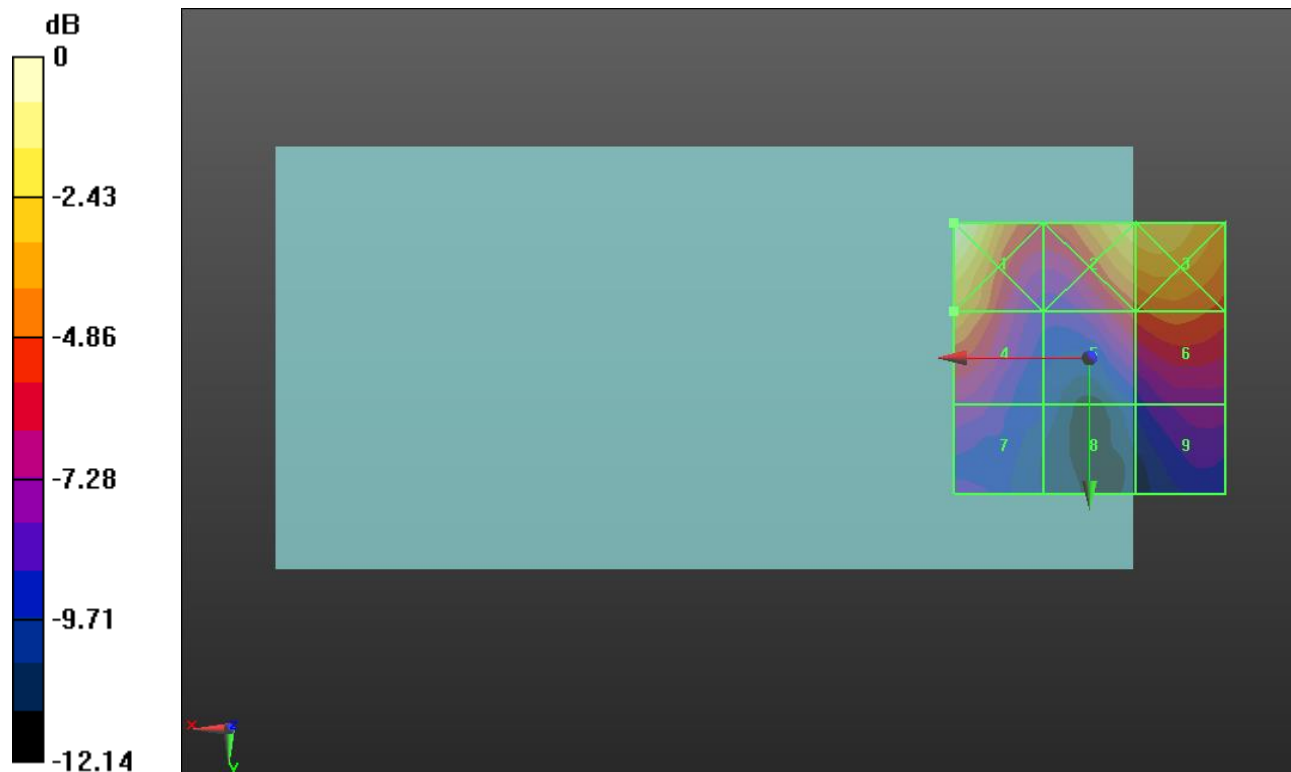
Applied MIF = -1.44 dB

RF audio interference level = 21.97 dBV/m

Emission category: **M4**

MIF scaled E-field

Grid 1 M4 25.35 dBV/m	Grid 2 M4 23.58 dBV/m	Grid 3 M4 23.72 dBV/m
Grid 4 M4 21.97 dBV/m	Grid 5 M4 20.13 dBV/m	Grid 6 M4 20.92 dBV/m
Grid 7 M4 17.91 dBV/m	Grid 8 M4 16.04 dBV/m	Grid 9 M4 17.89 dBV/m



0 dB = 18.52 V/m = 25.35 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) @ 2680 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 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 = 7.961 V/m; Power Drift = -0.46 dB

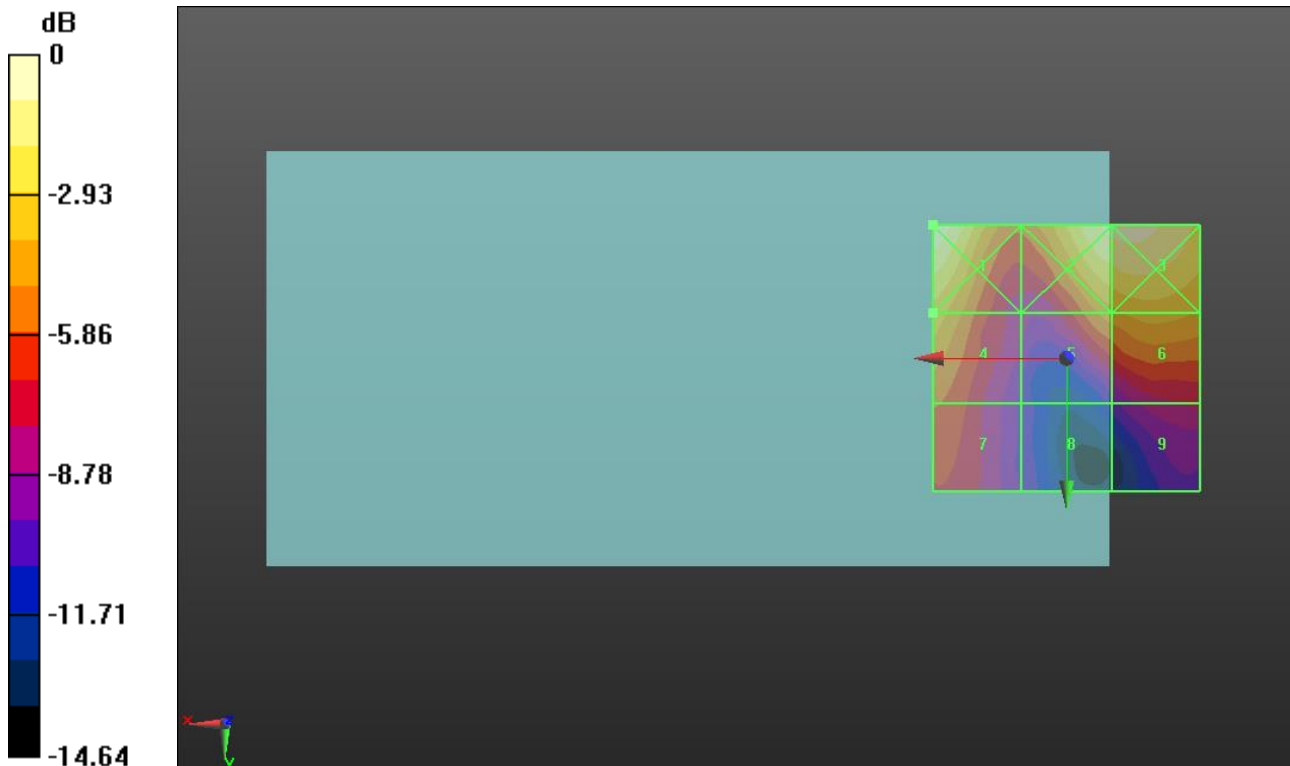
Applied MIF = -1.44 dB

RF audio interference level = 20.99 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 24.23 dBV/m	Grid 2 M4 23.57 dBV/m	Grid 3 M4 23.72 dBV/m
Grid 4 M4 20.99 dBV/m	Grid 5 M4 19.99 dBV/m	Grid 6 M4 20.78 dBV/m
Grid 7 M4 18.52 dBV/m	Grid 8 M4 14.49 dBV/m	Grid 9 M4 16.63 dBV/m



0 dB = 16.28 V/m = 24.23 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): Interpolated grid: dx=0.5000 mm, dy=0.5000 mm

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 7.292 V/m; Power Drift = 0.17 dB

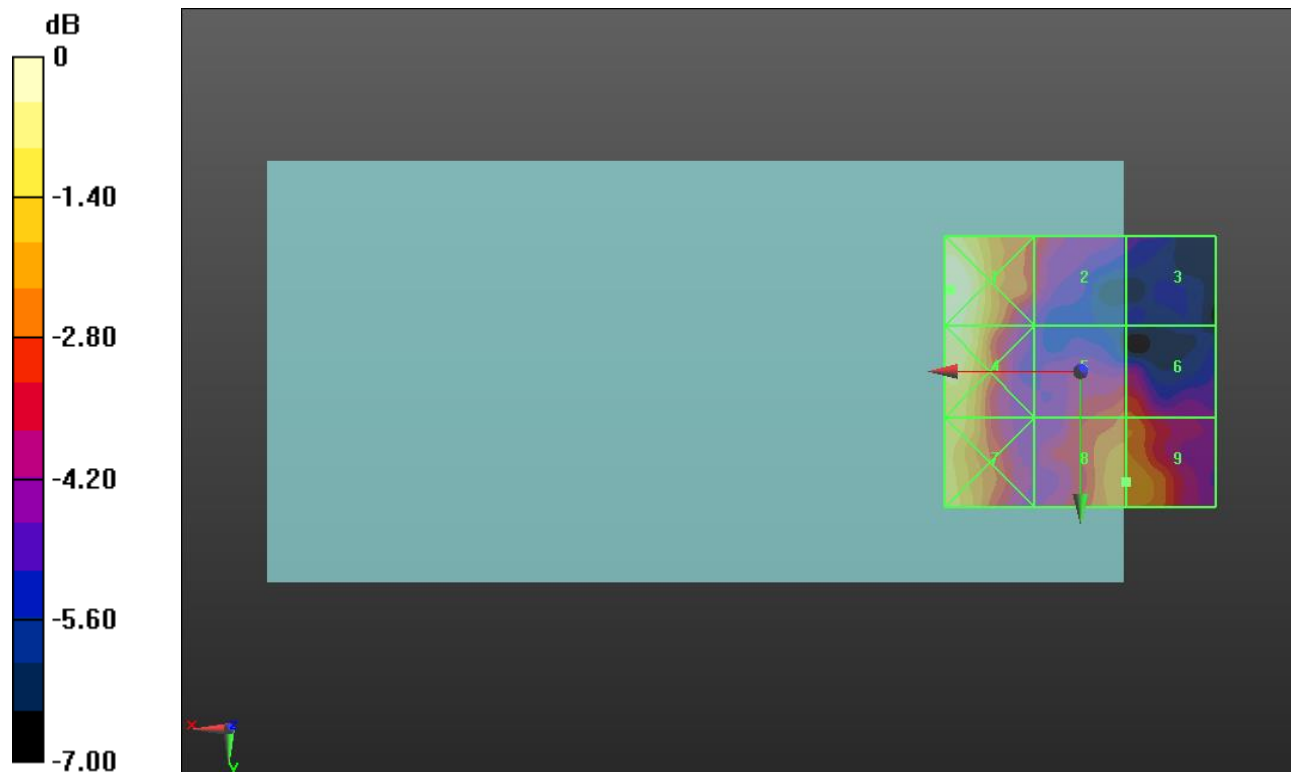
Applied MIF = -1.44 dB

RF audio interference level = 13.46 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 15.36 dBV/m	Grid 2 M4 12.47 dBV/m	Grid 3 M4 10.54 dBV/m
Grid 4 M4 15.03 dBV/m	Grid 5 M4 12.74 dBV/m	Grid 6 M4 12.74 dBV/m
Grid 7 M4 14.44 dBV/m	Grid 8 M4 13.46 dBV/m	Grid 9 M4 13.46 dBV/m



0 dB = 5.865 V/m = 15.37 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 = 11.57 V/m; Power Drift = -0.17 dB

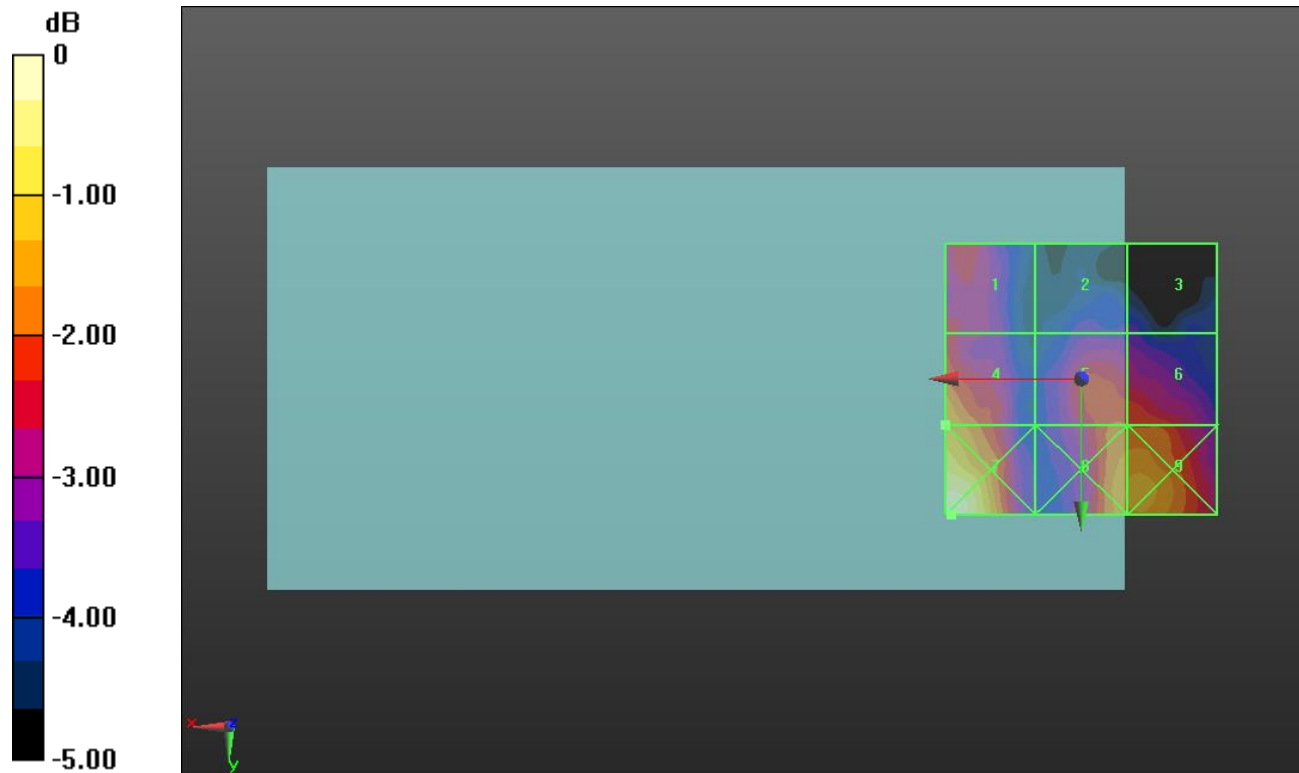
Applied MIF = -1.44 dB

RF audio interference level = 18.06 dBV/m

Emission category: **M4**

MIF scaled E-field

Grid 1 M4 16.87 dBV/m	Grid 2 M4 15.93 dBV/m	Grid 3 M4 15.85 dBV/m
Grid 4 M4 18.06 dBV/m	Grid 5 M4 17.37 dBV/m	Grid 6 M4 17.34 dBV/m
Grid 7 M4 19.32 dBV/m	Grid 8 M4 18.04 dBV/m	Grid 9 M4 18.14 dBV/m



0 dB = 9.249 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) @ 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 = 8.326 V/m; Power Drift = 0.09 dB

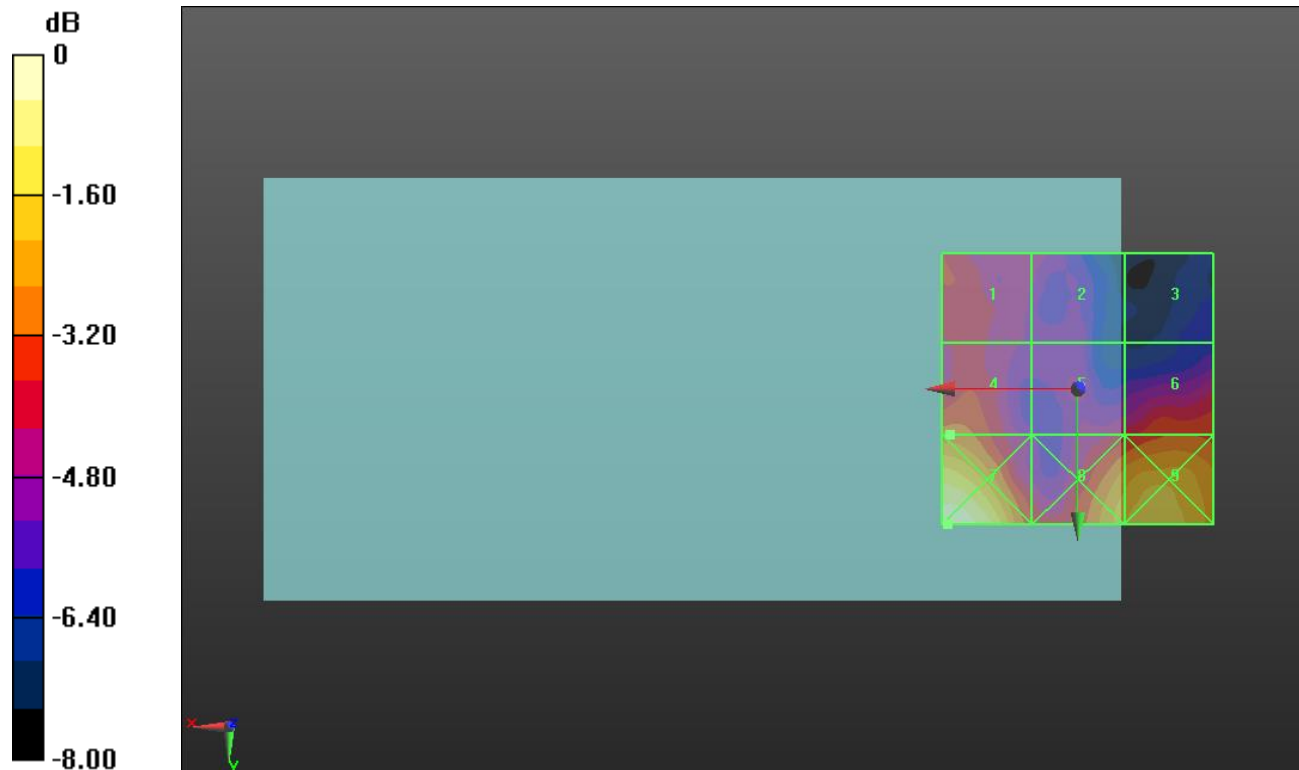
Applied MIF = -1.44 dB

RF audio interference level = 15.95 dBV/m

Emission category: **M4**

MIF scaled E-field

Grid 1 M4 15.19 dBV/m	Grid 2 M4 14.33 dBV/m	Grid 3 M4 12.88 dBV/m
Grid 4 M4 15.95 dBV/m	Grid 5 M4 14.87 dBV/m	Grid 6 M4 15.67 dBV/m
Grid 7 M4 18.84 dBV/m	Grid 8 M4 17.2 dBV/m	Grid 9 M4 17.63 dBV/m



0 dB = 8.745 V/m = 18.84 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):

Interpolated grid: dx=0.5000 mm, dy=0.5000 mm

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 6.159 V/m; Power Drift = -0.08 dB

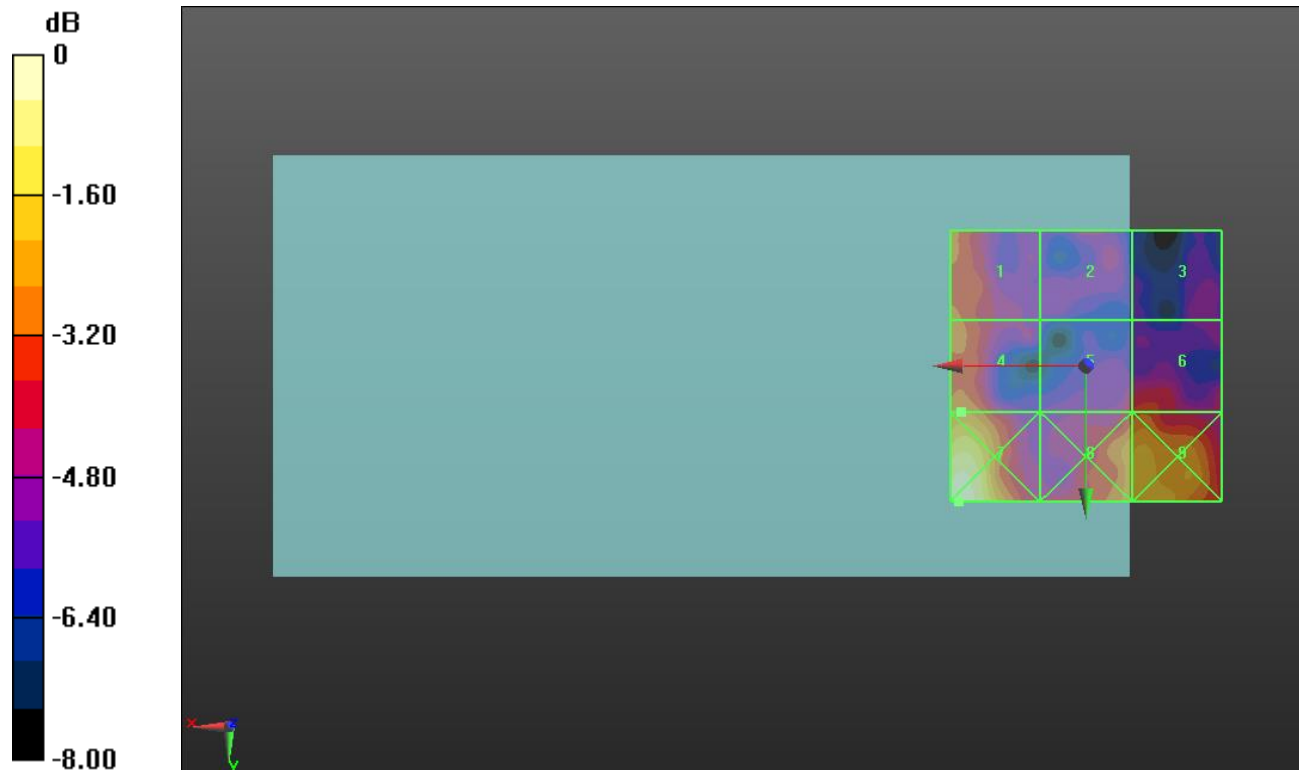
Applied MIF = -1.44 dB

RF audio interference level = 11.84 dBV/m

Emission category: **M4**

MIF scaled E-field

Grid 1 M4 11.56 dBV/m	Grid 2 M4 10.03 dBV/m	Grid 3 M4 9.55 dBV/m
Grid 4 M4 11.84 dBV/m	Grid 5 M4 10.74 dBV/m	Grid 6 M4 11.09 dBV/m
Grid 7 M4 14.37 dBV/m	Grid 8 M4 12.31 dBV/m	Grid 9 M4 12.68 dBV/m



0 dB = 5.233 V/m = 14.38 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 = 13.96 V/m; Power Drift = -1.73 dB

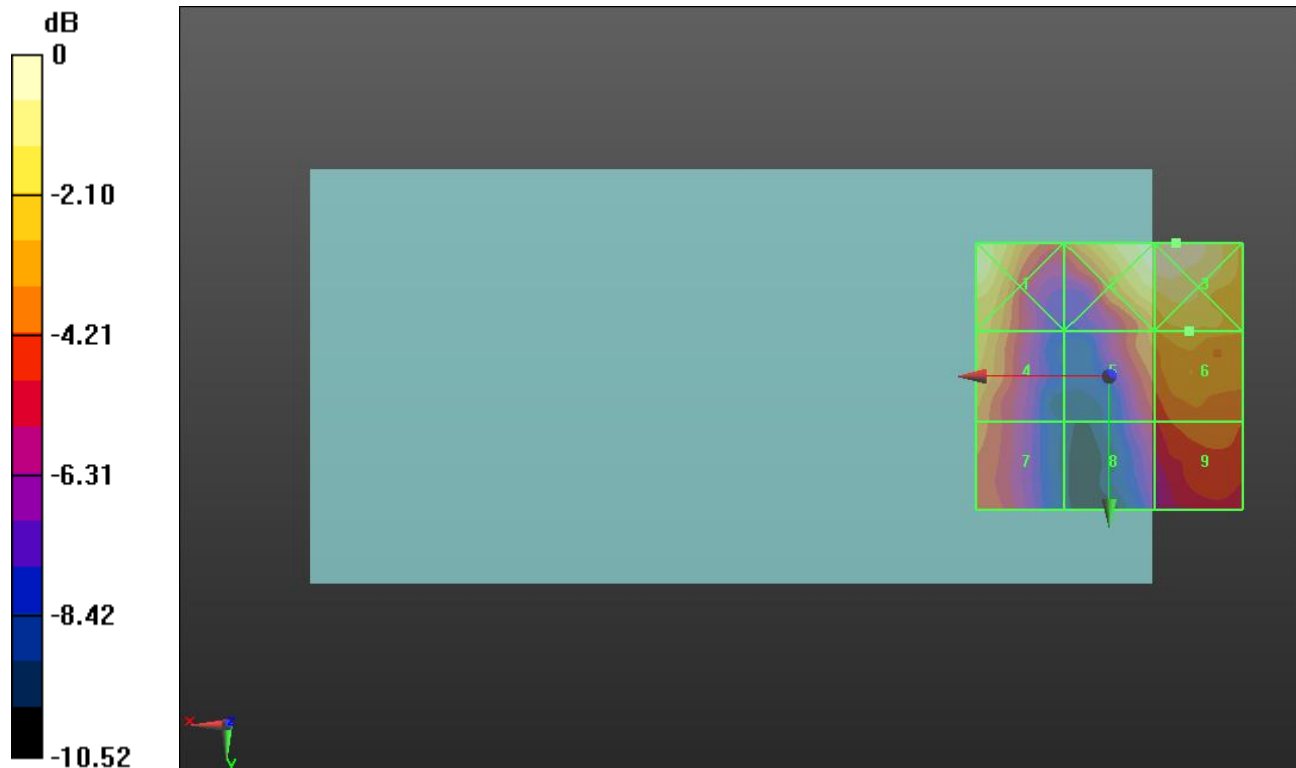
Applied MIF = -2.02 dB

RF audio interference level = 24.82 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 26.4 dBV/m	Grid 2 M4 26.8 dBV/m	Grid 3 M4 26.98 dBV/m
Grid 4 M4 24.74 dBV/m	Grid 5 M4 23.97 dBV/m	Grid 6 M4 24.82 dBV/m
Grid 7 M4 23.31 dBV/m	Grid 8 M4 21.96 dBV/m	Grid 9 M4 23.35 dBV/m



0 dB = 22.34 V/m = 26.98 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 = 13.91 V/m; Power Drift = 0.12 dB

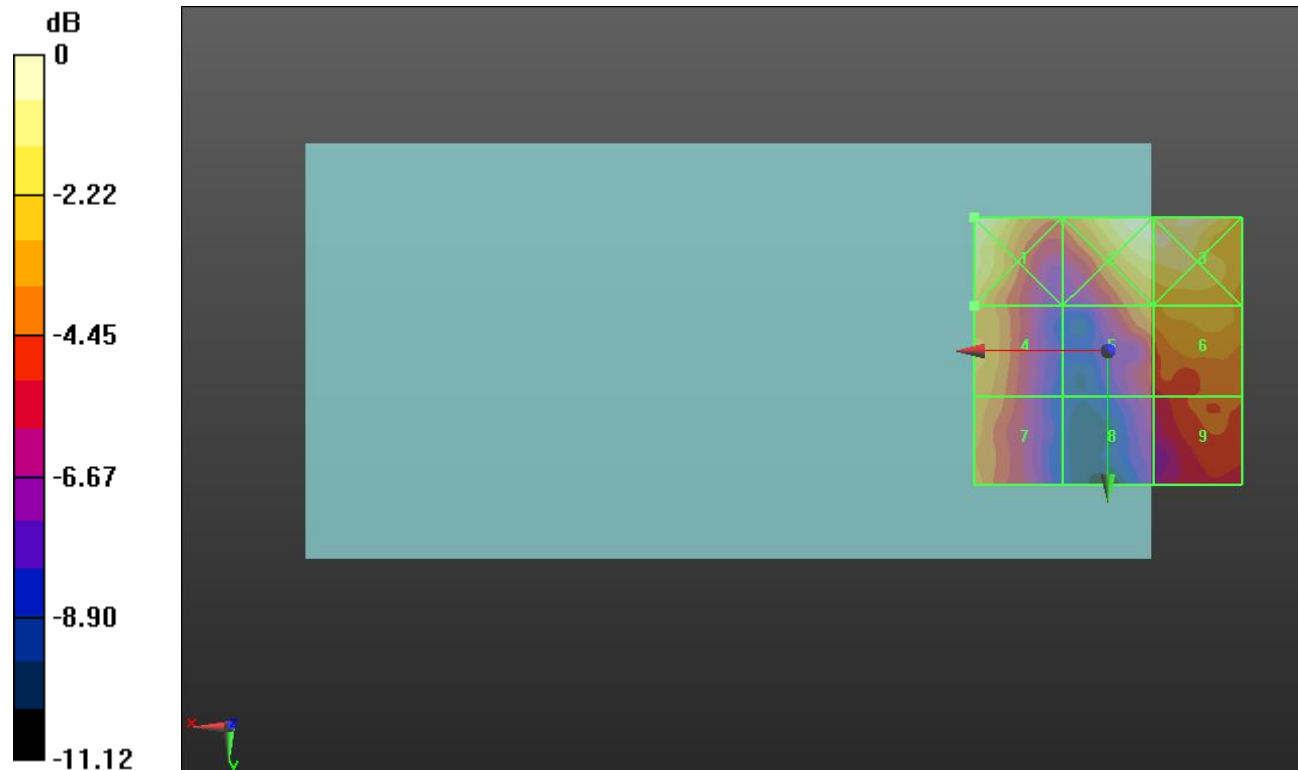
Applied MIF = -2.02 dB

RF audio interference level = 25.02 dBV/m

Emission category: **M4**

MIF scaled E-field

Grid 1 M4 27.43 dBV/m	Grid 2 M4 27.17 dBV/m	Grid 3 M4 27.14 dBV/m
Grid 4 M4 25.02 dBV/m	Grid 5 M4 24.33 dBV/m	Grid 6 M4 24.86 dBV/m
Grid 7 M4 24.33 dBV/m	Grid 8 M4 21.76 dBV/m	Grid 9 M4 23.19 dBV/m



0 dB = 23.53 V/m = 27.43 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 = 11.92 V/m; Power Drift = -1.59 dB

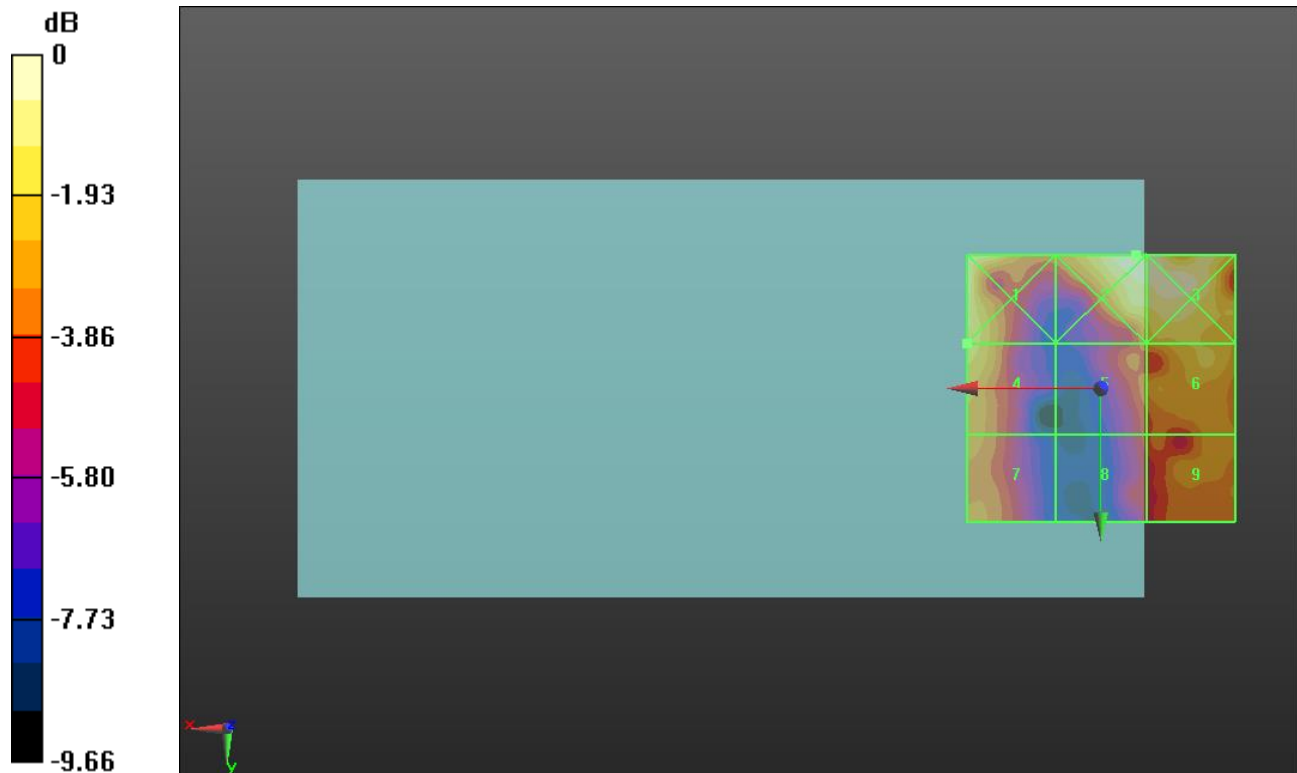
Applied MIF = -2.02 dB

RF audio interference level = 24.94 dBV/m

Emission category: **M4**

MIF scaled E-field

Grid 1 M4 26.12 dBV/m	Grid 2 M4 26.35 dBV/m	Grid 3 M4 26.27 dBV/m
Grid 4 M4 24.94 dBV/m	Grid 5 M4 23.18 dBV/m	Grid 6 M4 24.63 dBV/m
Grid 7 M4 23.59 dBV/m	Grid 8 M4 22.22 dBV/m	Grid 9 M4 23.69 dBV/m



0 dB = 20.77 V/m = 26.35 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 = 12.56 V/m; Power Drift = -0.08 dB

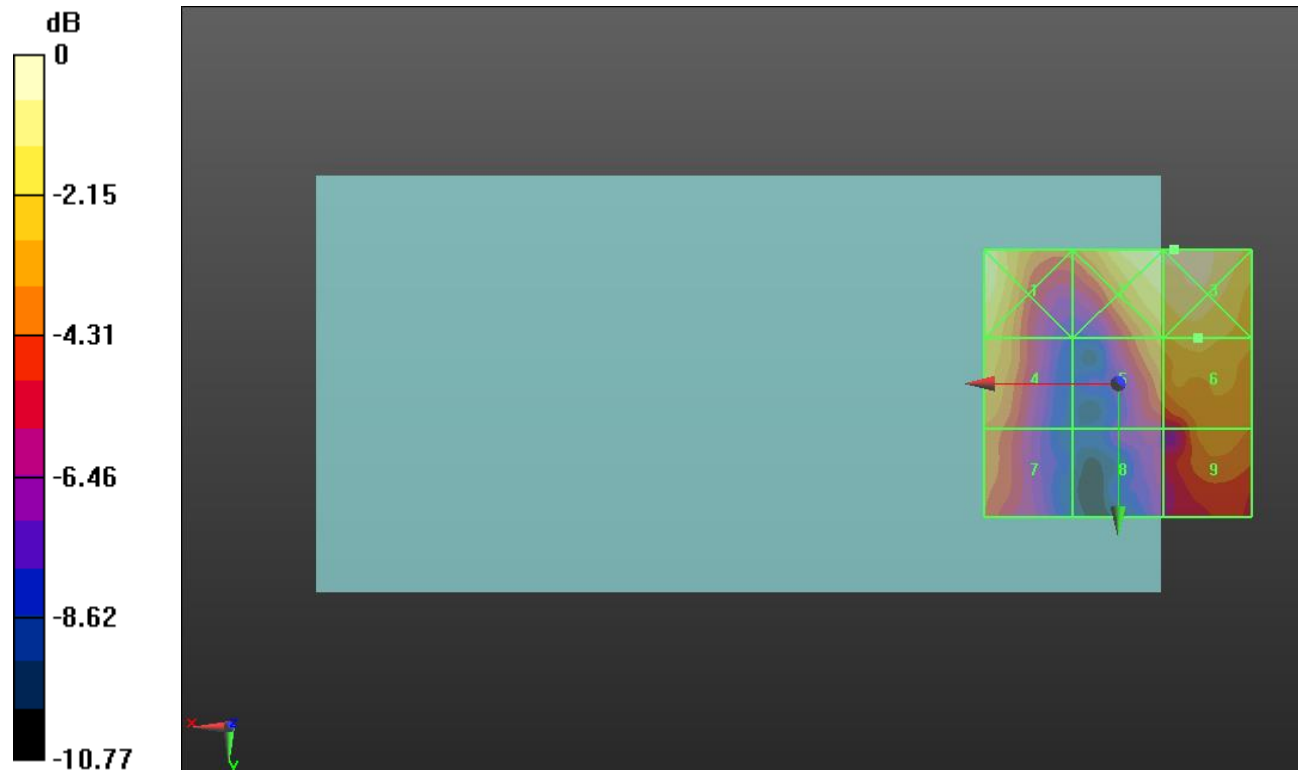
Applied MIF = 0.12 dB

RF audio interference level = 27.02 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 28.36 dBV/m	Grid 2 M4 28.65 dBV/m	Grid 3 M4 28.81 dBV/m
Grid 4 M4 26.72 dBV/m	Grid 5 M4 26.39 dBV/m	Grid 6 M4 27.02 dBV/m
Grid 7 M4 25.07 dBV/m	Grid 8 M4 23.02 dBV/m	Grid 9 M4 25.63 dBV/m



0 dB = 27.59 V/m = 28.82 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 = 12.21 V/m; Power Drift = -1.16 dB

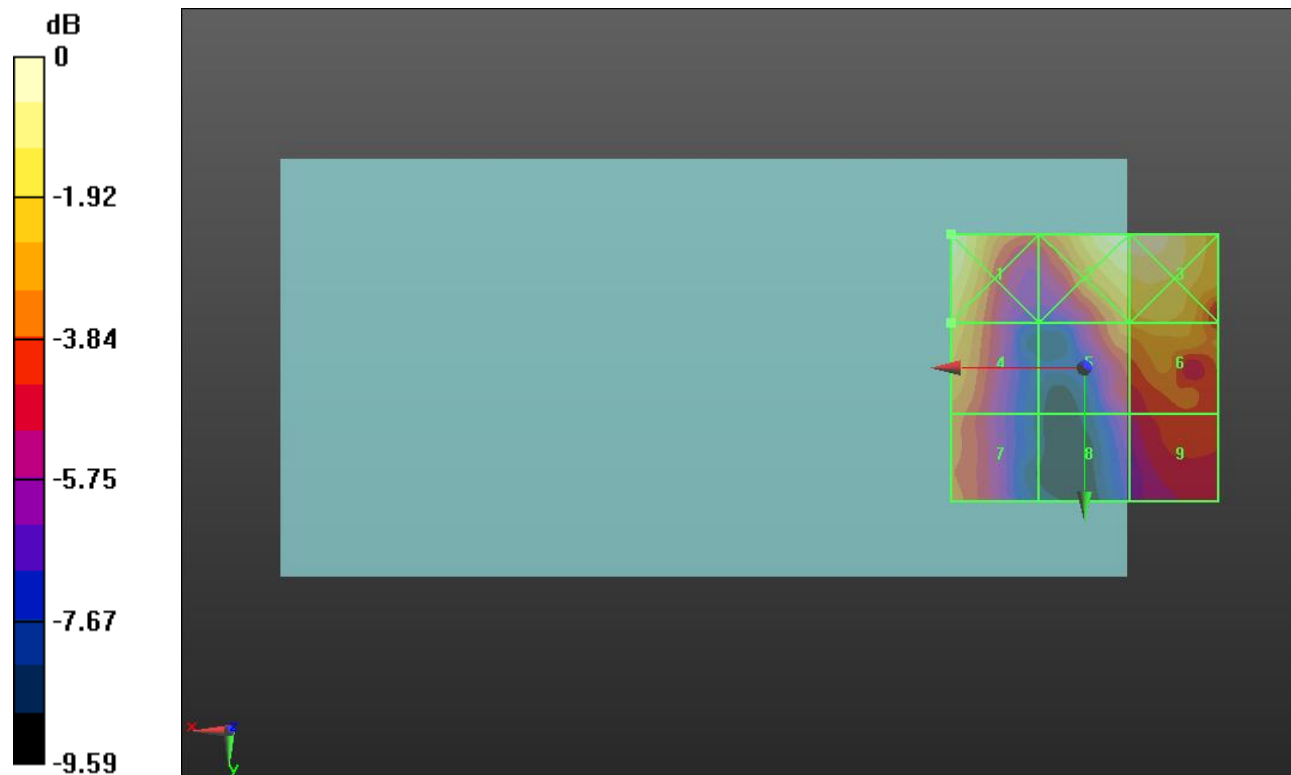
Applied MIF = 0.12 dB

RF audio interference level = 27.47 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 29.31 dBV/m	Grid 2 M4 29.28 dBV/m	Grid 3 M4 29.29 dBV/m
Grid 4 M4 27.47 dBV/m	Grid 5 M4 26.81 dBV/m	Grid 6 M4 27.39 dBV/m
Grid 7 M4 25.86 dBV/m	Grid 8 M4 24.04 dBV/m	Grid 9 M4 25.42 dBV/m



0 dB = 29.22 V/m = 29.31 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 = 13.65 V/m; Power Drift = -0.51 dB

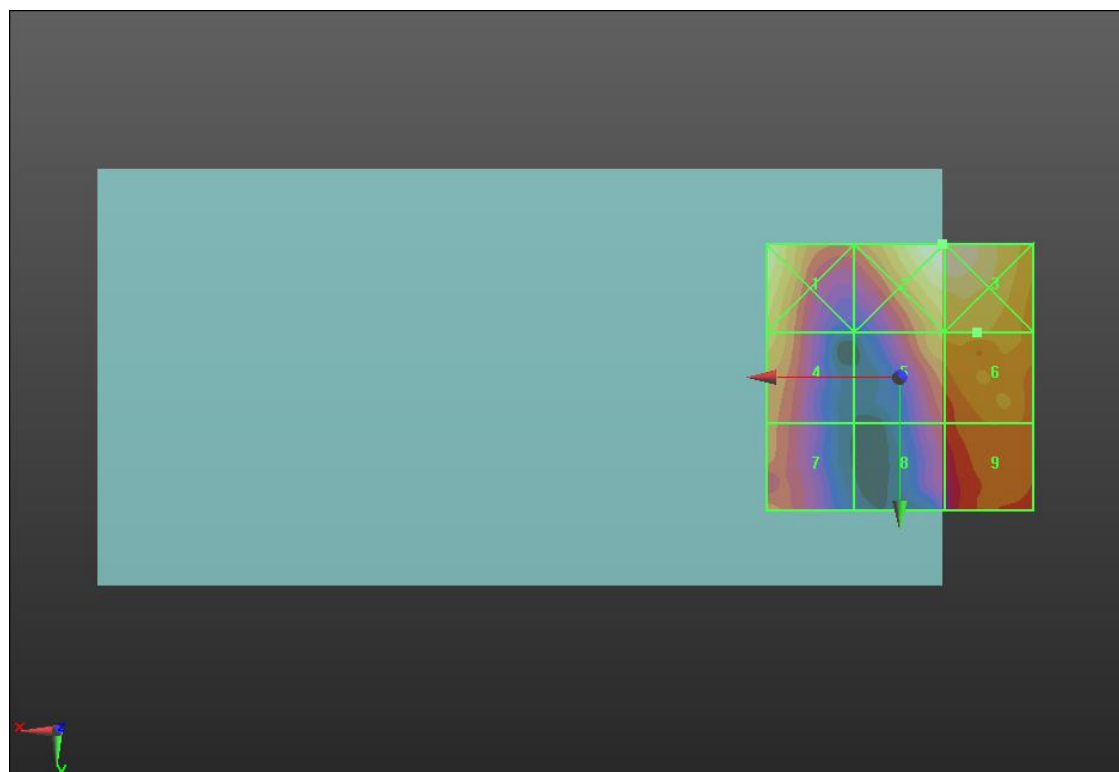
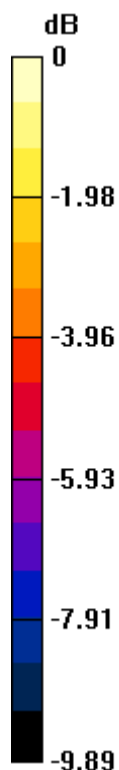
Applied MIF = 0.12 dB

RF audio interference level = 27.00 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 28.56 dBV/m	Grid 2 M4 28.87 dBV/m	Grid 3 M4 28.87 dBV/m
Grid 4 M4 26.69 dBV/m	Grid 5 M4 26.64 dBV/m	Grid 6 M4 27 dBV/m
Grid 7 M4 25.61 dBV/m	Grid 8 M4 24.42 dBV/m	Grid 9 M4 25.65 dBV/m



0 dB = 27.76 V/m = 28.87 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 = 22.45 V/m; Power Drift = -0.05 dB

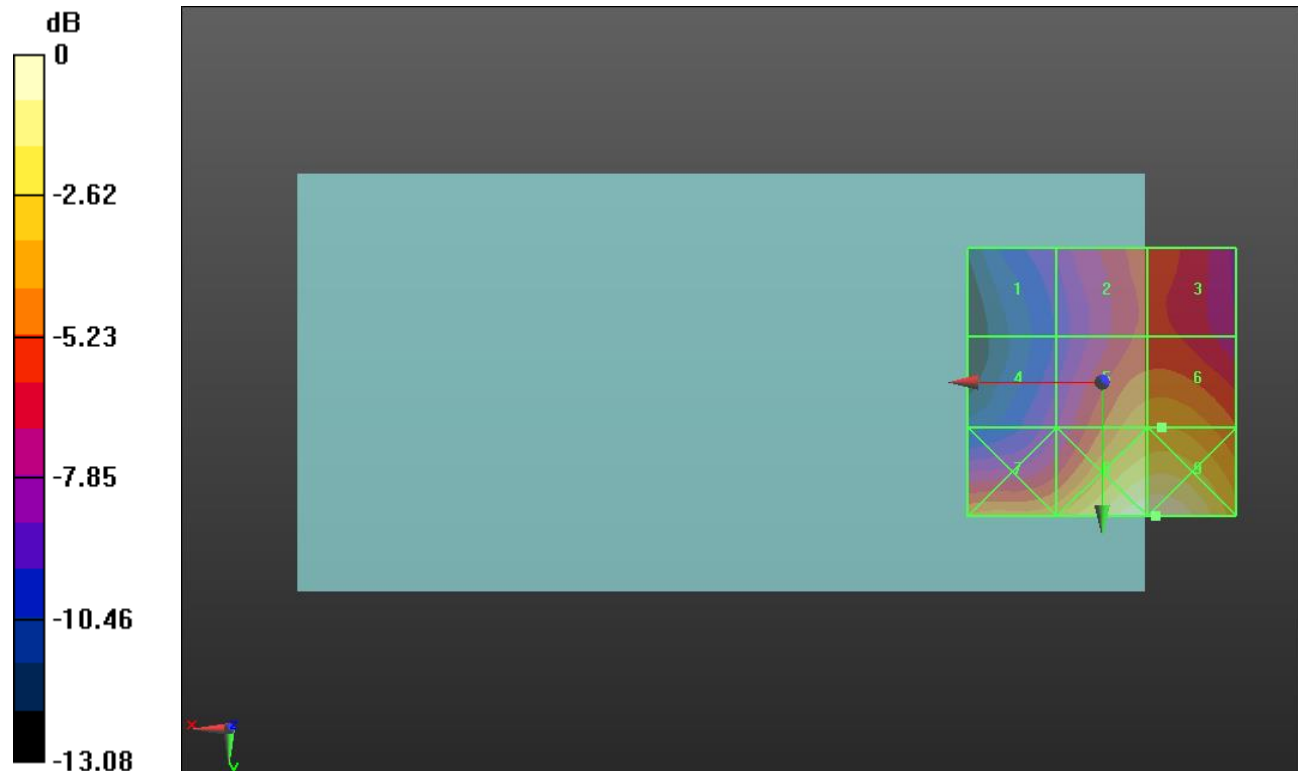
Applied MIF = 3.63 dB

RF audio interference level = 30.67 dBV/m

Emission category: M3

MIF scaled E-field

Grid 1 M4 25.62 dBV/m	Grid 2 M4 28.37 dBV/m	Grid 3 M4 28.38 dBV/m
Grid 4 M4 26.18 dBV/m	Grid 5 M3 30.54 dBV/m	Grid 6 M3 30.67 dBV/m
Grid 7 M3 30.72 dBV/m	Grid 8 M3 34.03 dBV/m	Grid 9 M3 34.06 dBV/m



0 dB = 50.49 V/m = 34.06 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 = 21.49 V/m; Power Drift = 0.09 dB

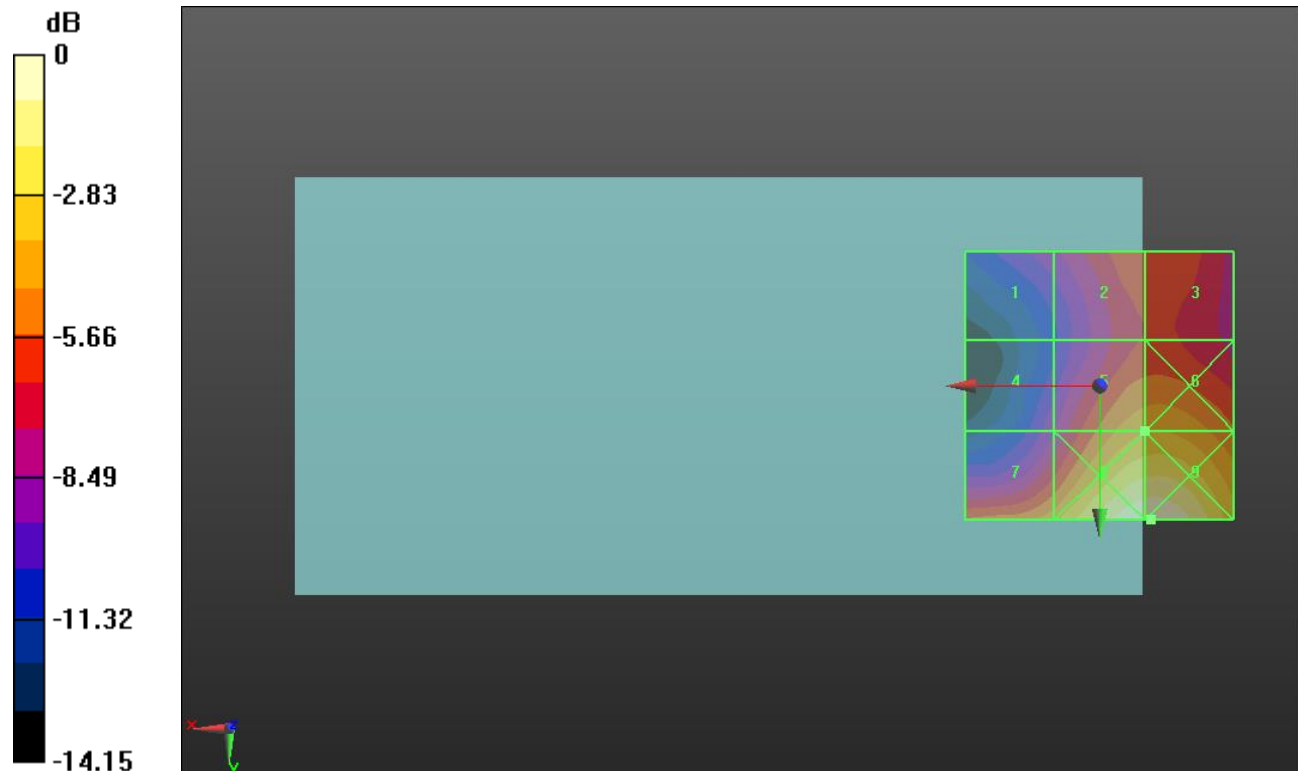
Applied MIF = 3.63 dB

RF audio interference level = 30.50 dBV/m

Emission category: M3

MIF scaled E-field

Grid 1 M4 25.72 dBV/m	Grid 2 M4 28.65 dBV/m	Grid 3 M4 28.67 dBV/m
Grid 4 M4 25.82 dBV/m	Grid 5 M3 30.5 dBV/m	Grid 6 M3 30.59 dBV/m
Grid 7 M3 30.4 dBV/m	Grid 8 M3 34.29 dBV/m	Grid 9 M3 34.31 dBV/m



0 dB = 51.95 V/m = 34.31 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 = 20.81 V/m; Power Drift = 0.00 dB

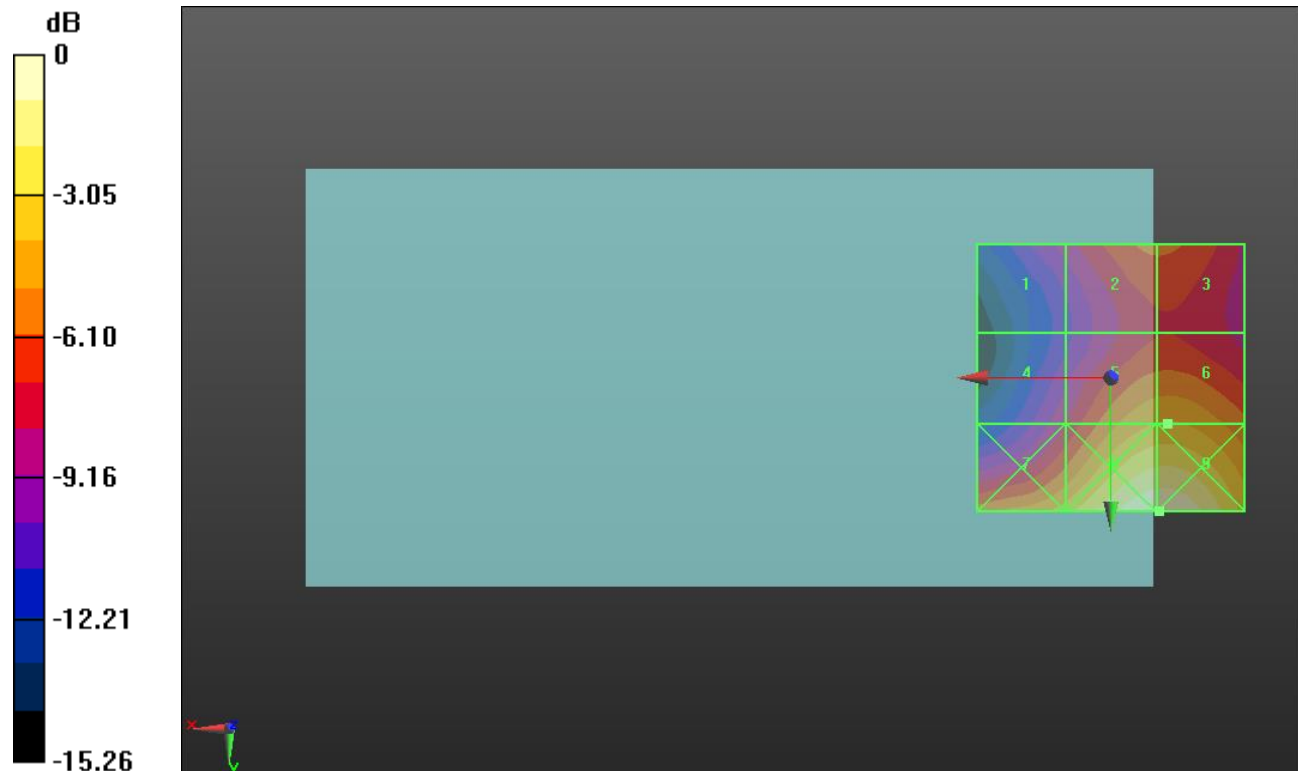
Applied MIF = 3.63 dB

RF audio interference level = 30.24 dBV/m

Emission category: M3

MIF scaled E-field

Grid 1 M4 25.55 dBV/m	Grid 2 M4 28.35 dBV/m	Grid 3 M4 28.35 dBV/m
Grid 4 M4 26.05 dBV/m	Grid 5 M3 30.16 dBV/m	Grid 6 M3 30.24 dBV/m
Grid 7 M3 30.76 dBV/m	Grid 8 M3 34.15 dBV/m	Grid 9 M3 34.16 dBV/m



0 dB = 51.06 V/m = 34.16 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) @ 2506 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 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 = 23.48 V/m; Power Drift = -14.54 dB

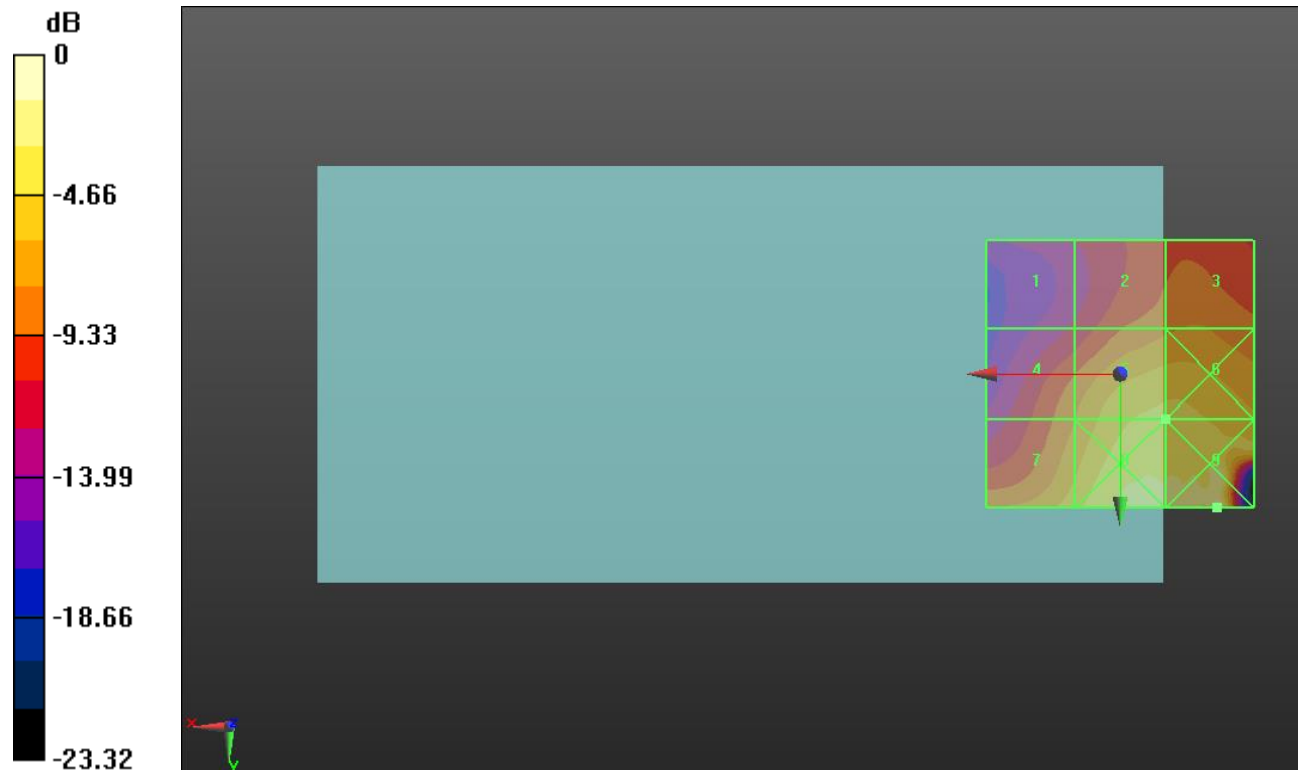
Applied MIF = -1.44 dB

RF audio interference level = 26.41 dBV/m

Emission category: **M4**

MIF scaled E-field

Grid 1 M4 18.51 dBV/m	Grid 2 M4 22.47 dBV/m	Grid 3 M4 22.92 dBV/m
Grid 4 M4 22.76 dBV/m	Grid 5 M4 26.41 dBV/m	Grid 6 M4 26.42 dBV/m
Grid 7 M4 25.31 dBV/m	Grid 8 M4 28.18 dBV/m	Grid 9 M3 30.52 dBV/m



0 dB = 33.57 V/m = 30.52 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) @ 2549.5 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 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 = 26.10 V/m; Power Drift = 0.07 dB

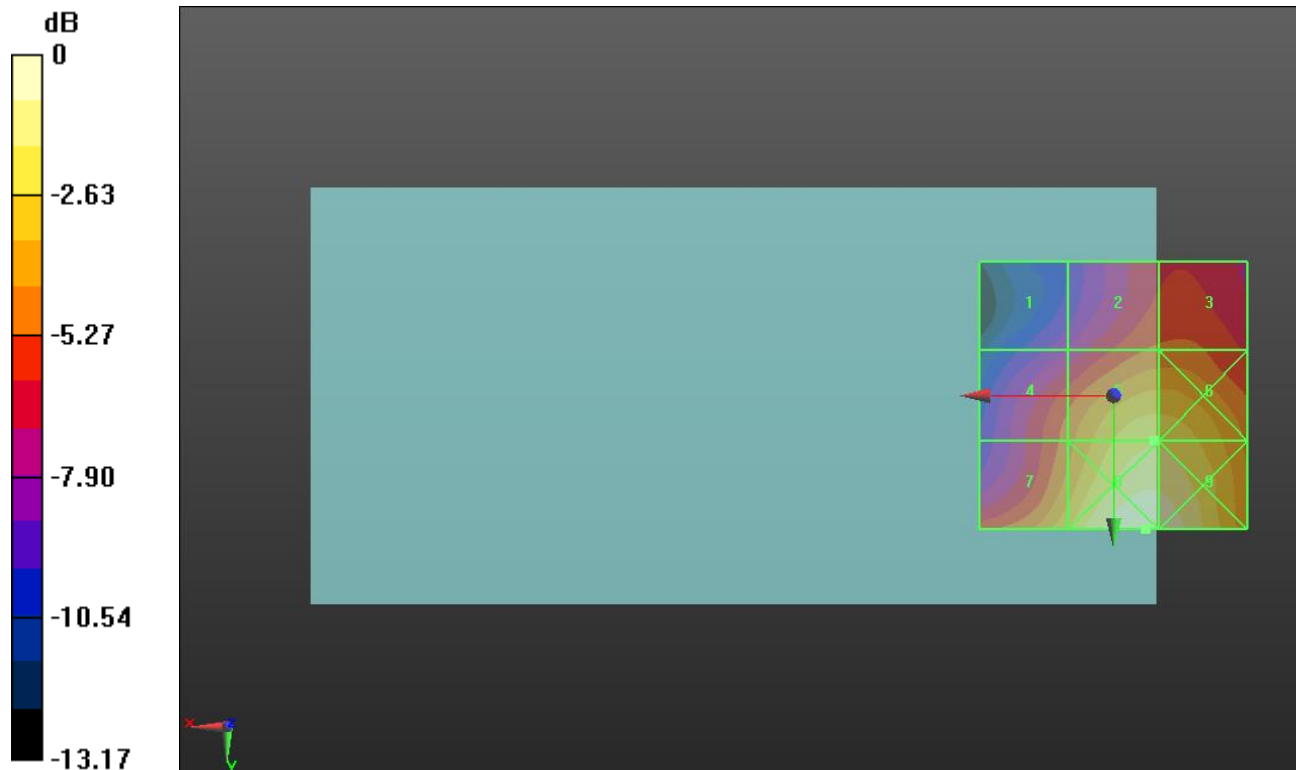
Applied MIF = -1.44 dB

RF audio interference level = 26.53 dBV/m

Emission category: **M4**

MIF scaled E-field

Grid 1 M4 20.6 dBV/m	Grid 2 M4 23.39 dBV/m	Grid 3 M4 23.48 dBV/m
Grid 4 M4 23.69 dBV/m	Grid 5 M4 26.53 dBV/m	Grid 6 M4 26.53 dBV/m
Grid 7 M4 25.84 dBV/m	Grid 8 M4 28.43 dBV/m	Grid 9 M4 28.33 dBV/m



0 dB = 26.39 V/m = 28.43 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) @ 2593 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 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 = 30.75 V/m; Power Drift = -0.50 dB

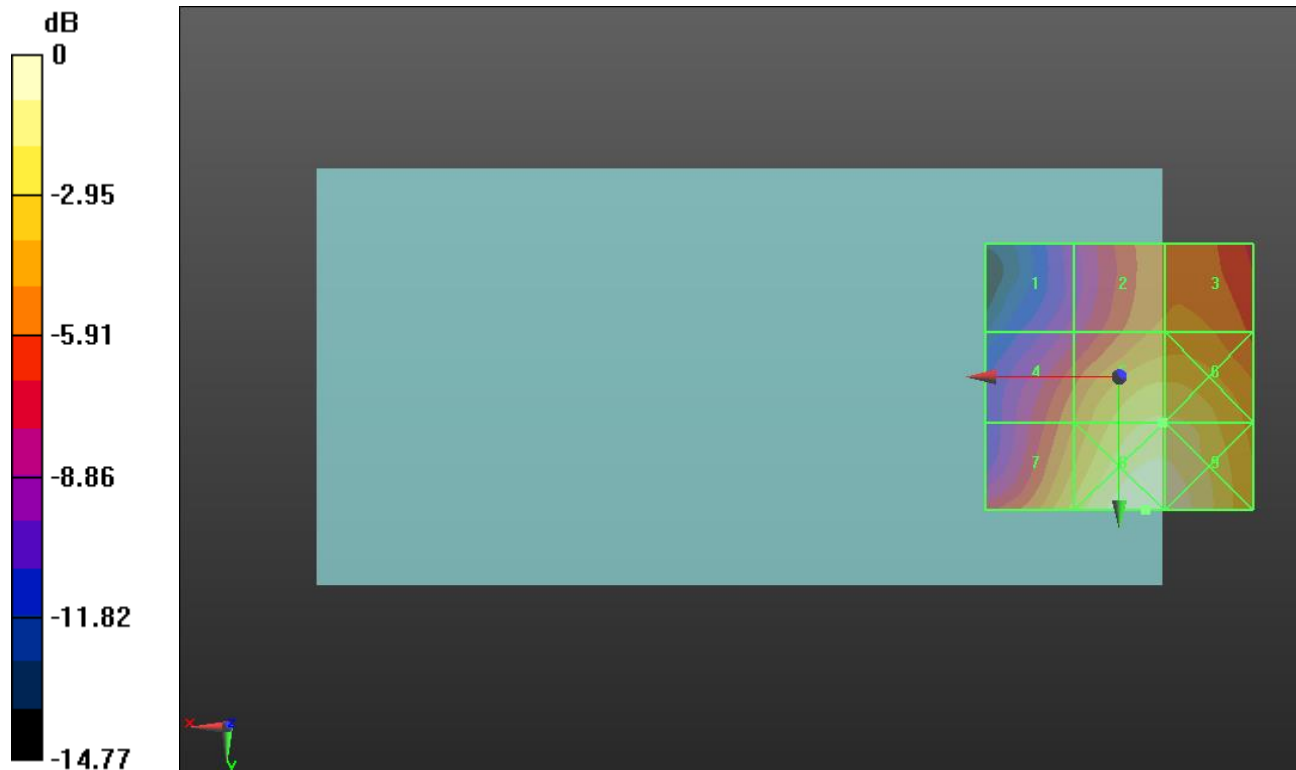
Applied MIF = -1.44 dB

RF audio interference level = 27.68 dBV/m

Emission category: **M4**

MIF scaled E-field

Grid 1 M4 21.17 dBV/m	Grid 2 M4 24.84 dBV/m	Grid 3 M4 24.94 dBV/m
Grid 4 M4 24.53 dBV/m	Grid 5 M4 27.68 dBV/m	Grid 6 M4 27.67 dBV/m
Grid 7 M4 26.97 dBV/m	Grid 8 M4 29.47 dBV/m	Grid 9 M4 29.27 dBV/m



0 dB = 29.75 V/m = 29.47 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) @ 2636.5 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 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 = 35.57 V/m; Power Drift = 0.06 dB

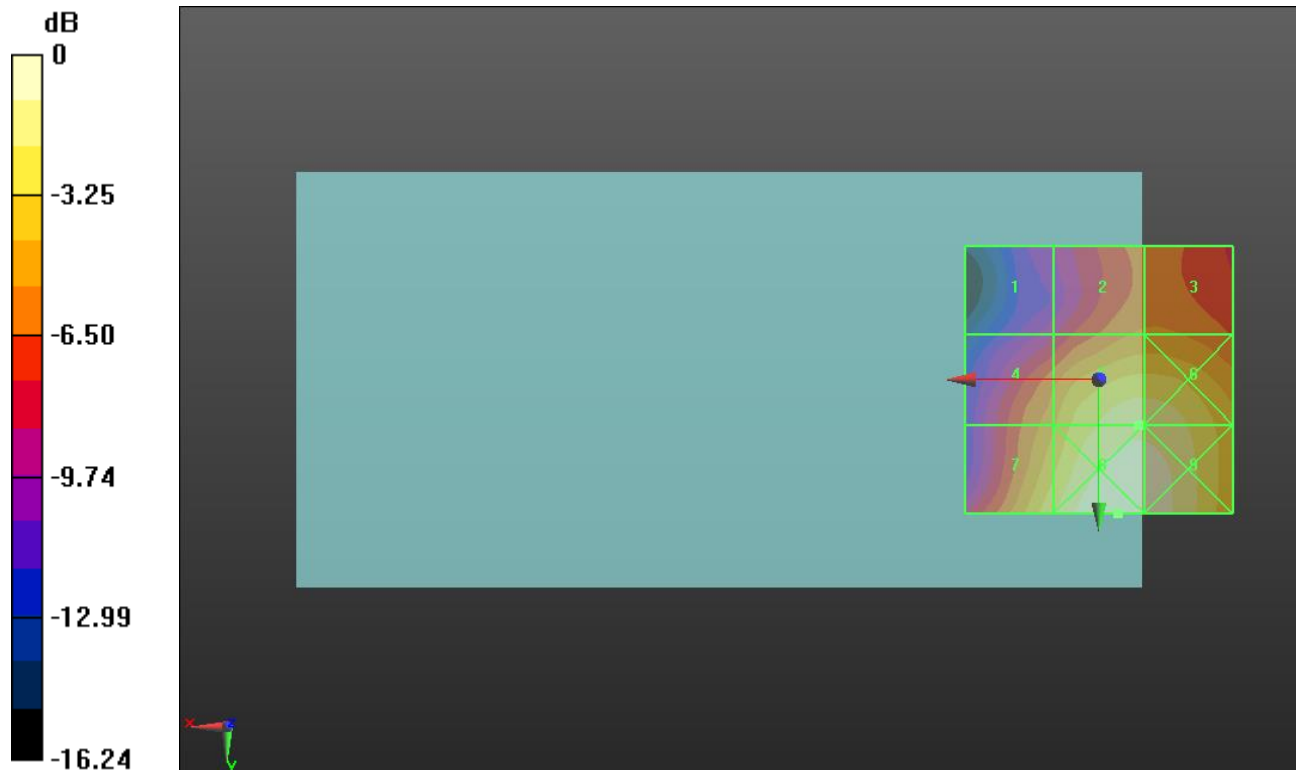
Applied MIF = -1.44 dB

RF audio interference level = 29.17 dBV/m

Emission category: **M4**

MIF scaled E-field

Grid 1 M4 21.7 dBV/m	Grid 2 M4 25.38 dBV/m	Grid 3 M4 25.43 dBV/m
Grid 4 M4 26.09 dBV/m	Grid 5 M4 29.17 dBV/m	Grid 6 M4 29.16 dBV/m
Grid 7 M4 28.35 dBV/m	Grid 8 M3 30.56 dBV/m	Grid 9 M3 30.3 dBV/m



0 dB = 33.73 V/m = 30.56 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) @ 2680 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 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 = 38.35 V/m; Power Drift = 0.11 dB

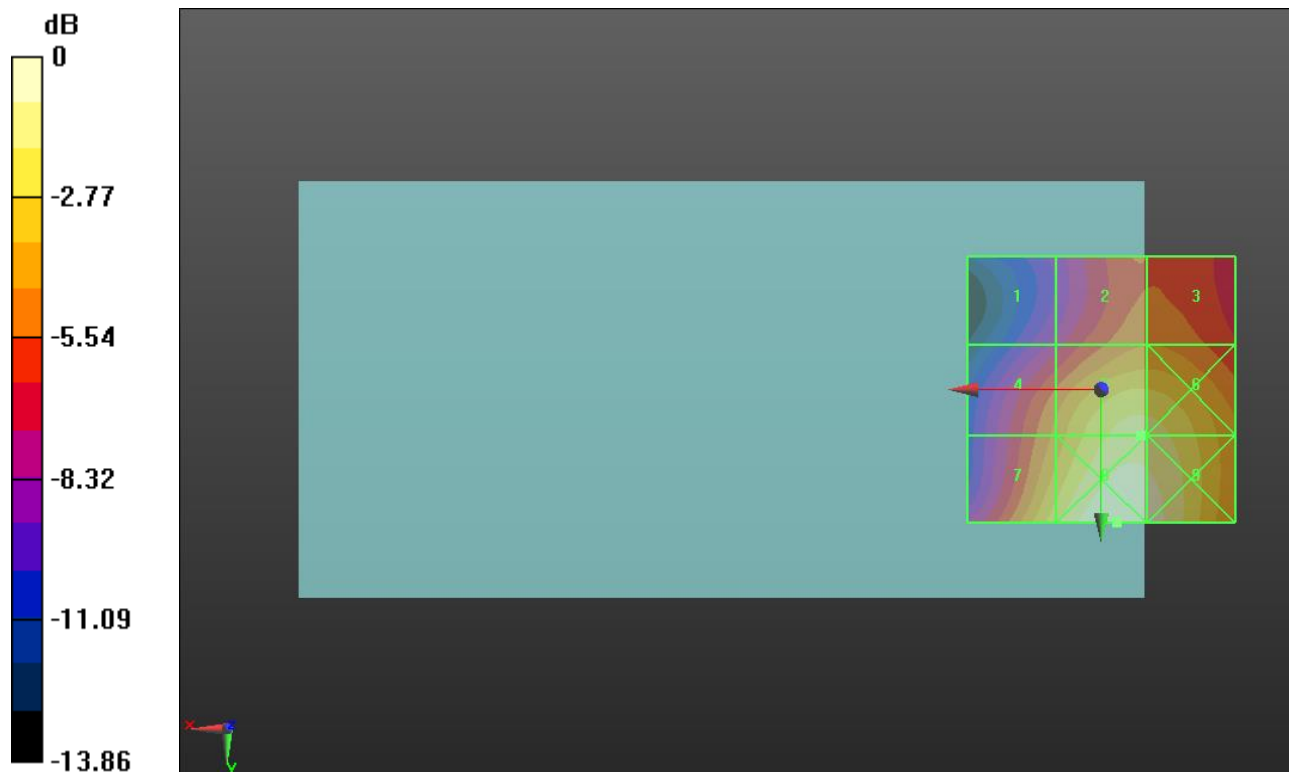
Applied MIF = -1.44 dB

RF audio interference level = 29.54 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 23.13 dBV/m	Grid 2 M4 26.34 dBV/m	Grid 3 M4 26.35 dBV/m
Grid 4 M4 26.69 dBV/m	Grid 5 M4 29.54 dBV/m	Grid 6 M4 29.53 dBV/m
Grid 7 M4 28.93 dBV/m	Grid 8 M3 30.98 dBV/m	Grid 9 M3 30.61 dBV/m



0 dB = 35.40 V/m = 30.98 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):

Interpolated grid: dx=0.5000 mm, dy=0.5000 mm

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 16.28 V/m; Power Drift = -0.06 dB

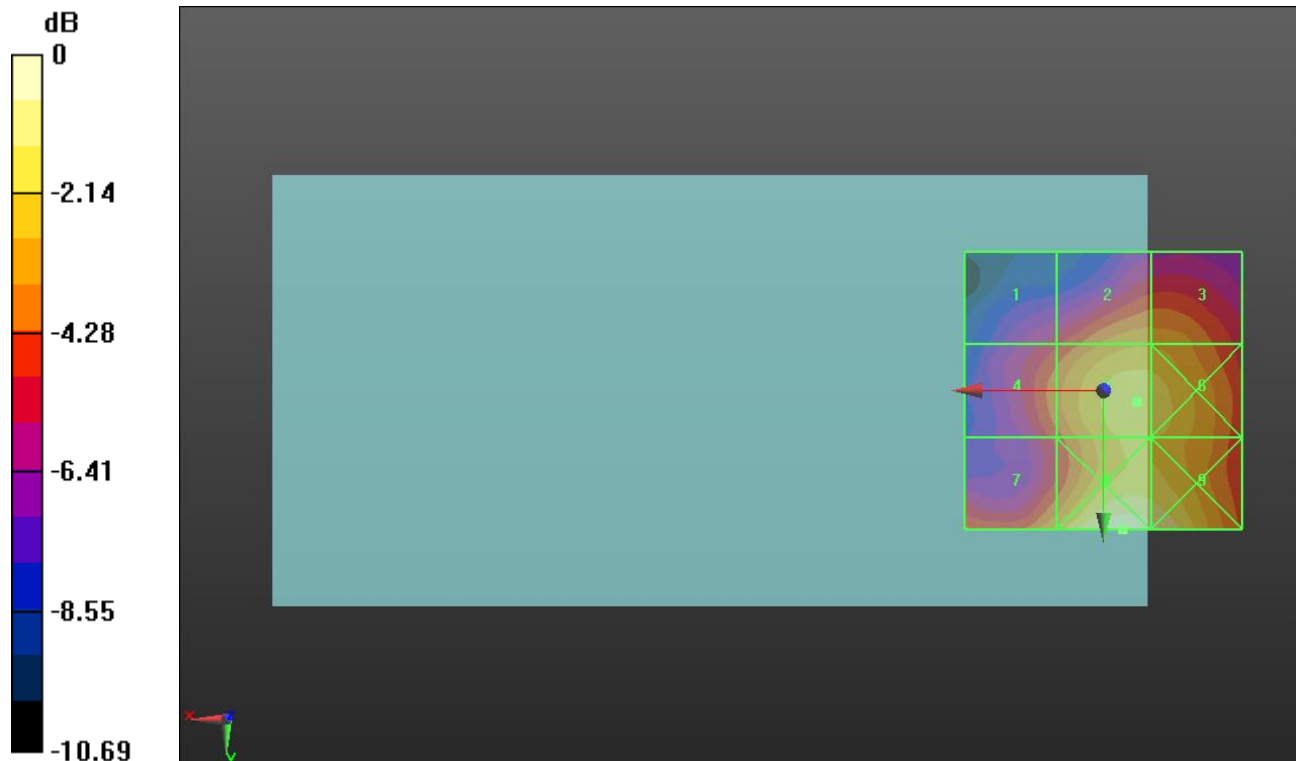
Applied MIF = -1.44 dB

RF audio interference level = 20.43 dBV/m

Emission category: **M4**

MIF scaled E-field

Grid 1 M4 16.87 dBV/m	Grid 2 M4 19.13 dBV/m	Grid 3 M4 19.1 dBV/m
Grid 4 M4 18.31 dBV/m	Grid 5 M4 20.43 dBV/m	Grid 6 M4 20.37 dBV/m
Grid 7 M4 19.43 dBV/m	Grid 8 M4 22.06 dBV/m	Grid 9 M4 21.67 dBV/m



0 dB = 12.68 V/m = 22.06 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 = 24.53 V/m; Power Drift = 0.04 dB

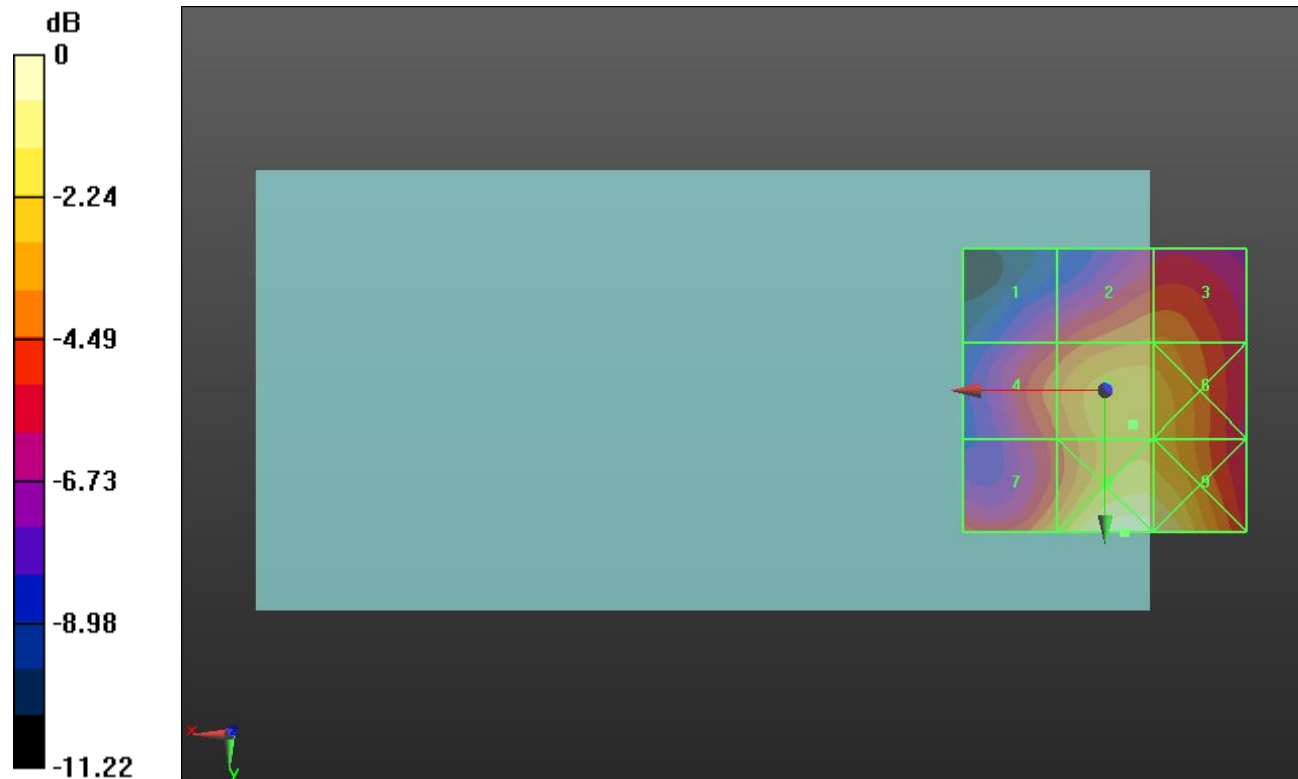
Applied MIF = -1.44 dB

RF audio interference level = 24.34 dBV/m

Emission category: **M4**

MIF scaled E-field

Grid 1 M4 21.19 dBV/m	Grid 2 M4 23.07 dBV/m	Grid 3 M4 23.07 dBV/m
Grid 4 M4 22.78 dBV/m	Grid 5 M4 24.34 dBV/m	Grid 6 M4 24.25 dBV/m
Grid 7 M4 23.93 dBV/m	Grid 8 M4 26.65 dBV/m	Grid 9 M4 26.33 dBV/m



0 dB = 21.50 V/m = 26.65 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 = 23.65 V/m; Power Drift = 0.07 dB

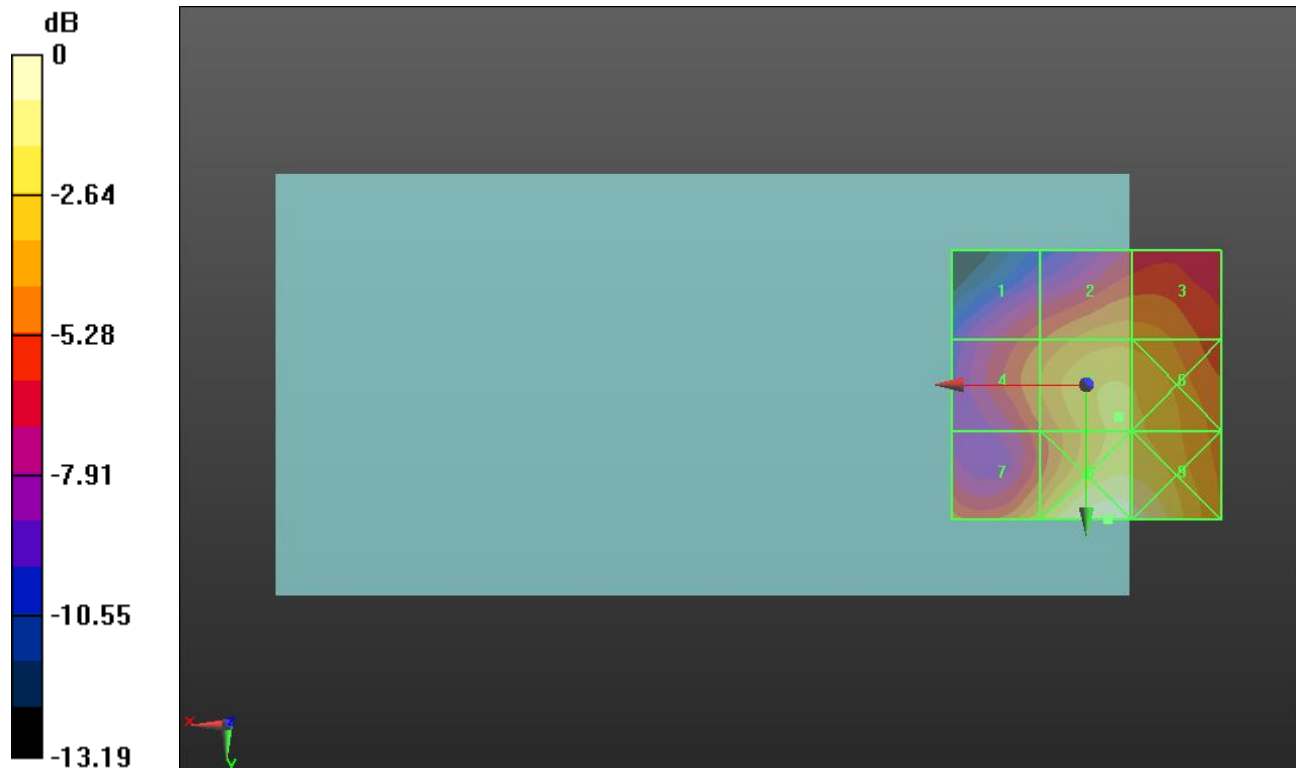
Applied MIF = -1.44 dB

RF audio interference level = 23.88 dBV/m

Emission category: **M4**

MIF scaled E-field

Grid 1 M4 20.92 dBV/m	Grid 2 M4 22.54 dBV/m	Grid 3 M4 22.49 dBV/m
Grid 4 M4 21.96 dBV/m	Grid 5 M4 23.88 dBV/m	Grid 6 M4 23.81 dBV/m
Grid 7 M4 23.54 dBV/m	Grid 8 M4 26.3 dBV/m	Grid 9 M4 26.01 dBV/m



0 dB = 20.66 V/m = 26.30 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):

Interpolated grid: dx=0.5000 mm, dy=0.5000 mm

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 15.32 V/m; Power Drift = -0.03 dB

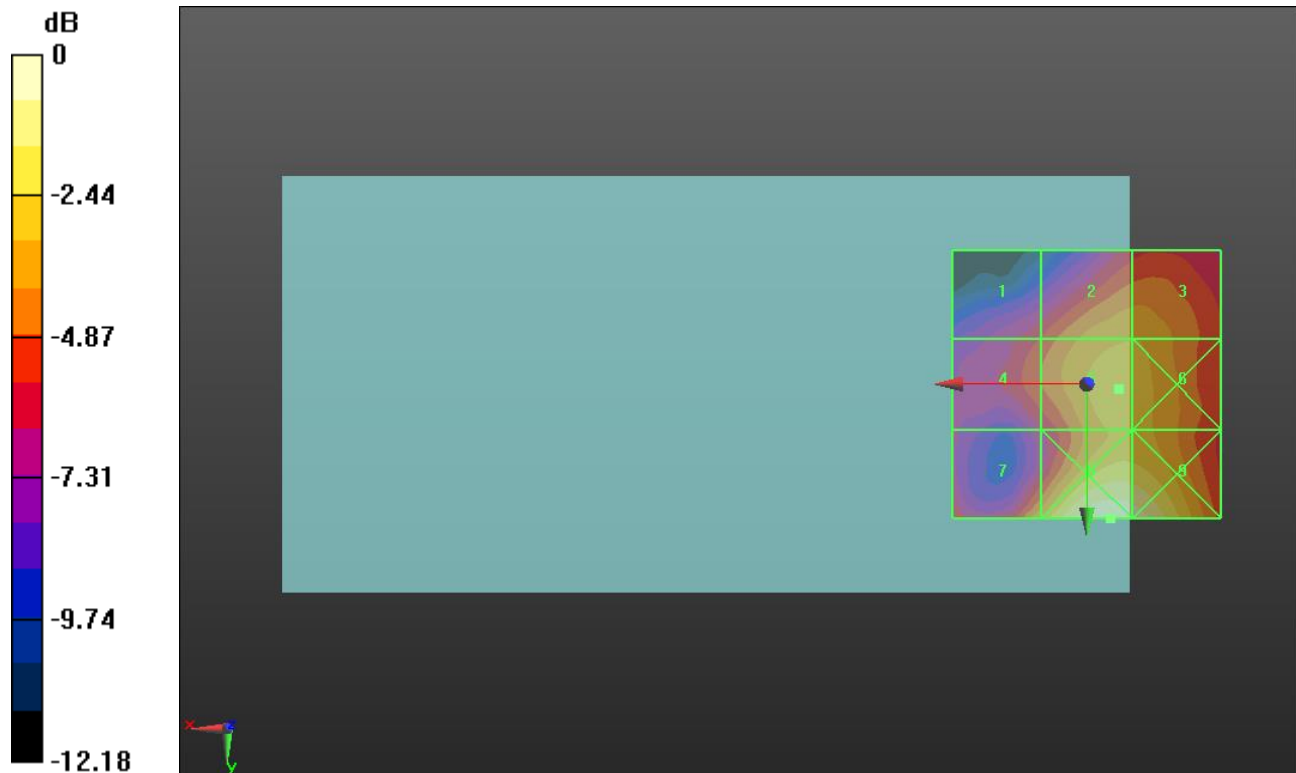
Applied MIF = -1.44 dB

RF audio interference level = 20.05 dBV/m

Emission category: **M4**

MIF scaled E-field

Grid 1 M4 17.26 dBV/m	Grid 2 M4 19.6 dBV/m	Grid 3 M4 19.6 dBV/m
Grid 4 M4 18.04 dBV/m	Grid 5 M4 20.05 dBV/m	Grid 6 M4 19.96 dBV/m
Grid 7 M4 19.78 dBV/m	Grid 8 M4 22.84 dBV/m	Grid 9 M4 22.6 dBV/m



0 dB = 13.88 V/m = 22.85 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 = 45.77 V/m; Power Drift = 0.57 dB

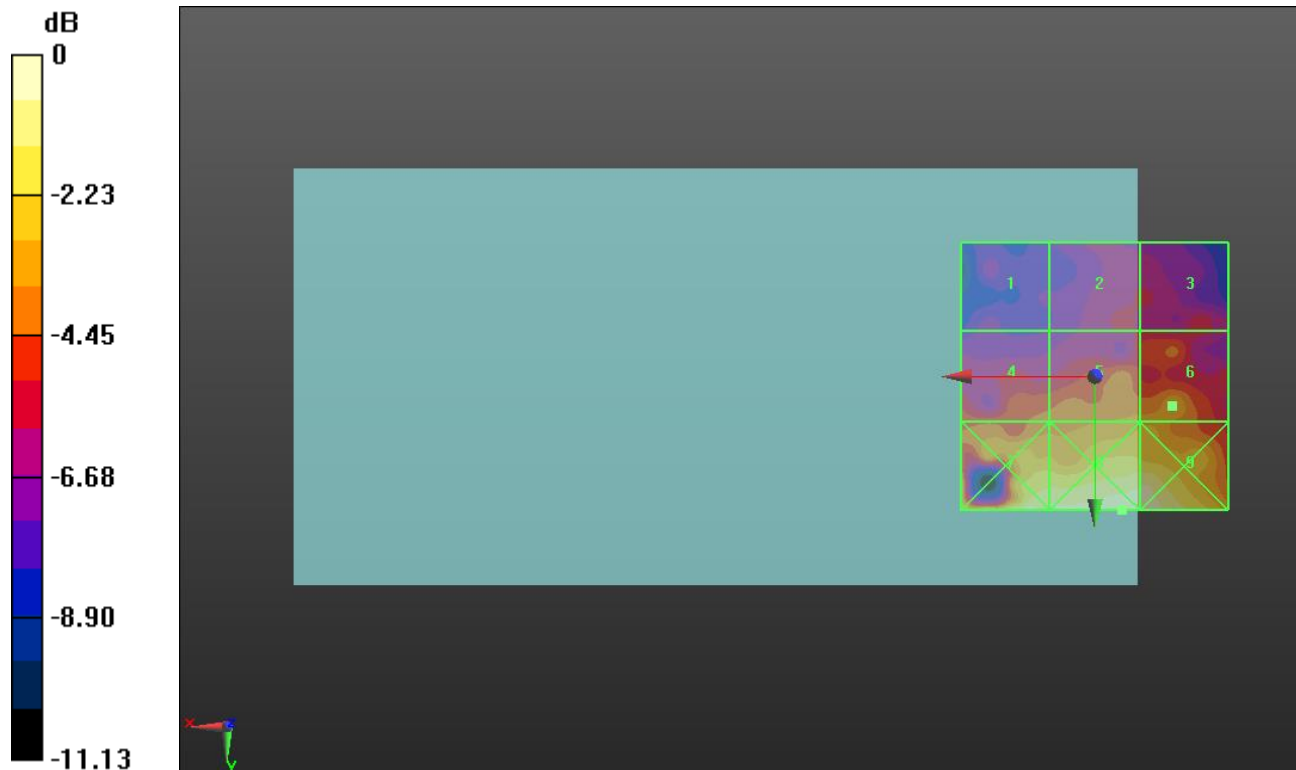
Applied MIF = 0.12 dB

RF audio interference level = 32.94 dBV/m

Emission category: **M3**

MIF scaled E-field

Grid 1 M4 28.98 dBV/m	Grid 2 M3 30.25 dBV/m	Grid 3 M3 30.76 dBV/m
Grid 4 M3 31.91 dBV/m	Grid 5 M3 32.72 dBV/m	Grid 6 M3 32.94 dBV/m
Grid 7 M2 35.82 dBV/m	Grid 8 M2 35.95 dBV/m	Grid 9 M2 35.77 dBV/m



0 dB = 62.75 V/m = 35.95 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 = 35.33 V/m; Power Drift = -0.30 dB

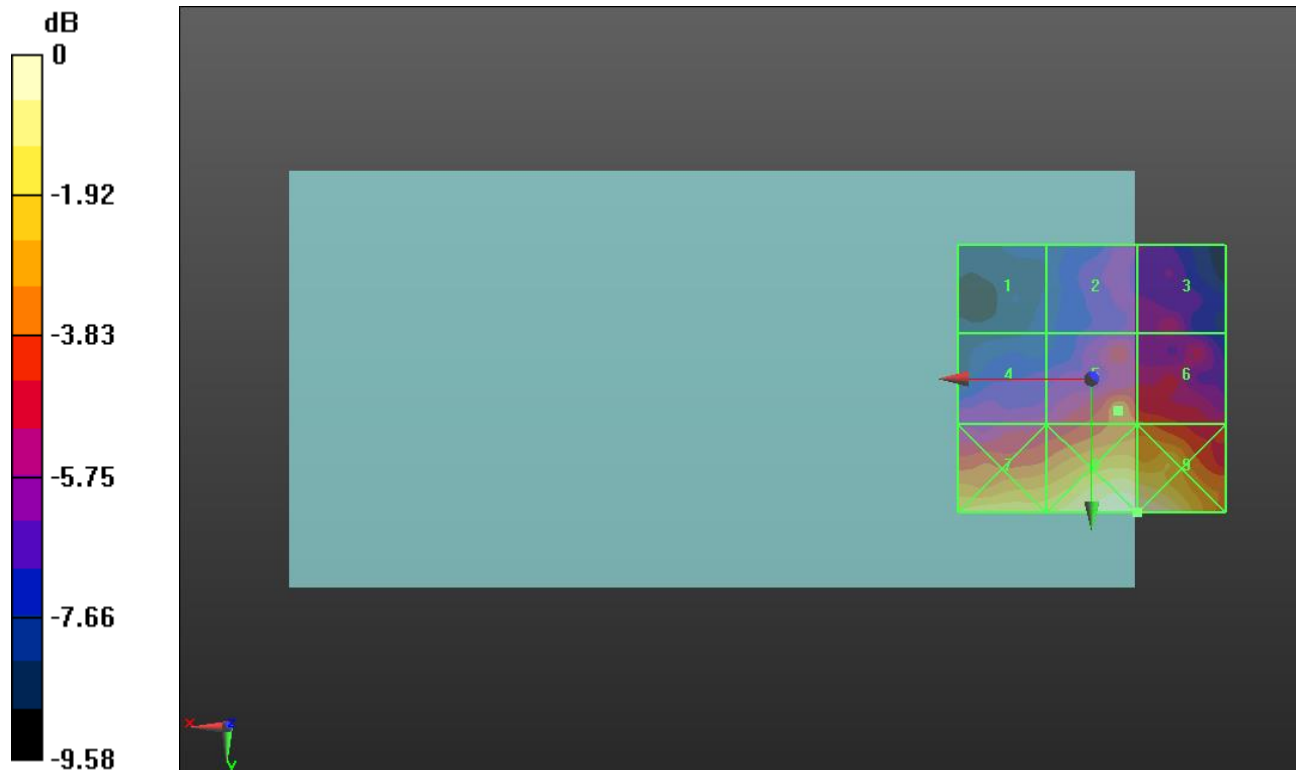
Applied MIF = 0.12 dB

RF audio interference level = 31.94 dBV/m

Emission category: **M3**

MIF scaled E-field

Grid 1 M4 27.68 dBV/m	Grid 2 M4 29.4 dBV/m	Grid 3 M4 30 dBV/m
Grid 4 M3 30.09 dBV/m	Grid 5 M3 31.94 dBV/m	Grid 6 M3 31.68 dBV/m
Grid 7 M3 34.16 dBV/m	Grid 8 M2 35.33 dBV/m	Grid 9 M2 35.33 dBV/m



0 dB = 58.38 V/m = 35.33 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 = 39.05 V/m; Power Drift = 0.41 dB

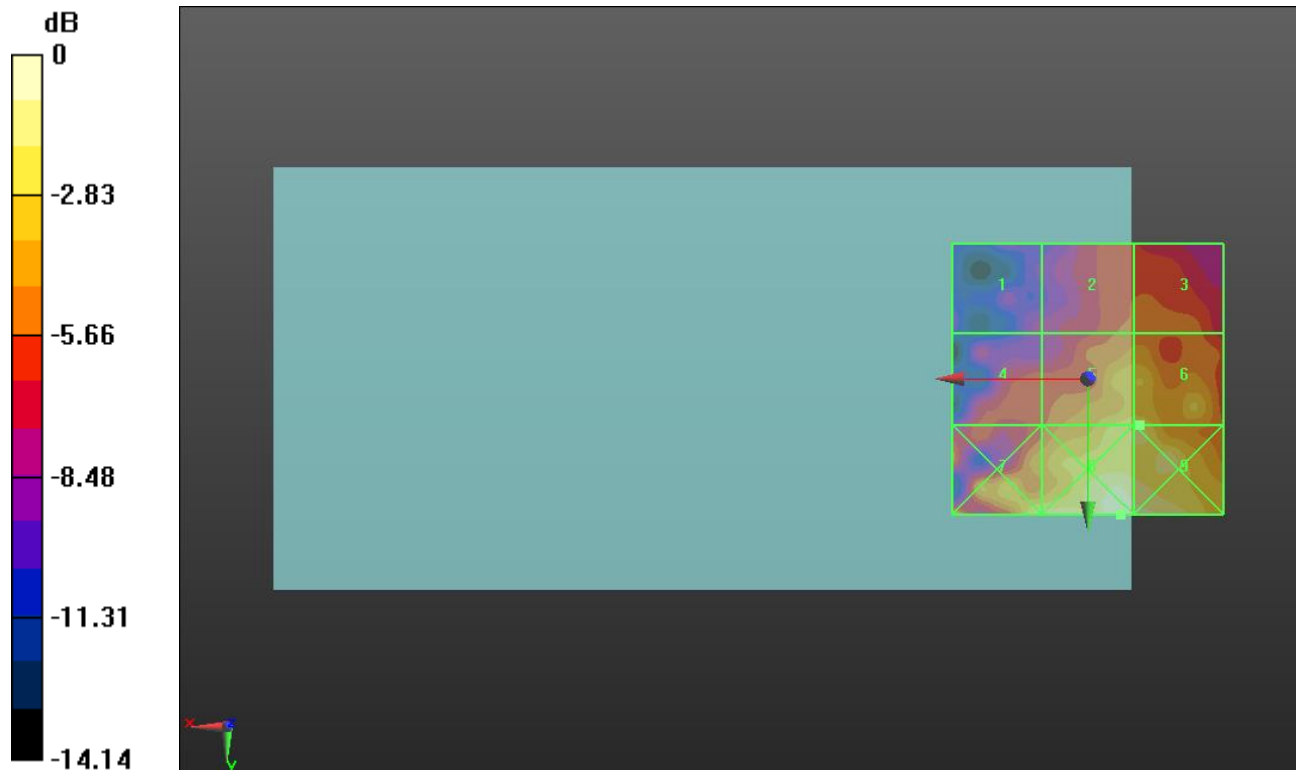
Applied MIF = 0.12 dB

RF audio interference level = 32.87 dBV/m

Emission category: **M3**

MIF scaled E-field

Grid 1 M4 26.75 dBV/m	Grid 2 M4 29.62 dBV/m	Grid 3 M4 29.65 dBV/m
Grid 4 M4 29.13 dBV/m	Grid 5 M3 32.8 dBV/m	Grid 6 M3 32.87 dBV/m
Grid 7 M3 33.99 dBV/m	Grid 8 M3 34.94 dBV/m	Grid 9 M3 34.5 dBV/m



0 dB = 55.88 V/m = 34.95 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 = 9.429 V/m; Power Drift = -0.09 dB

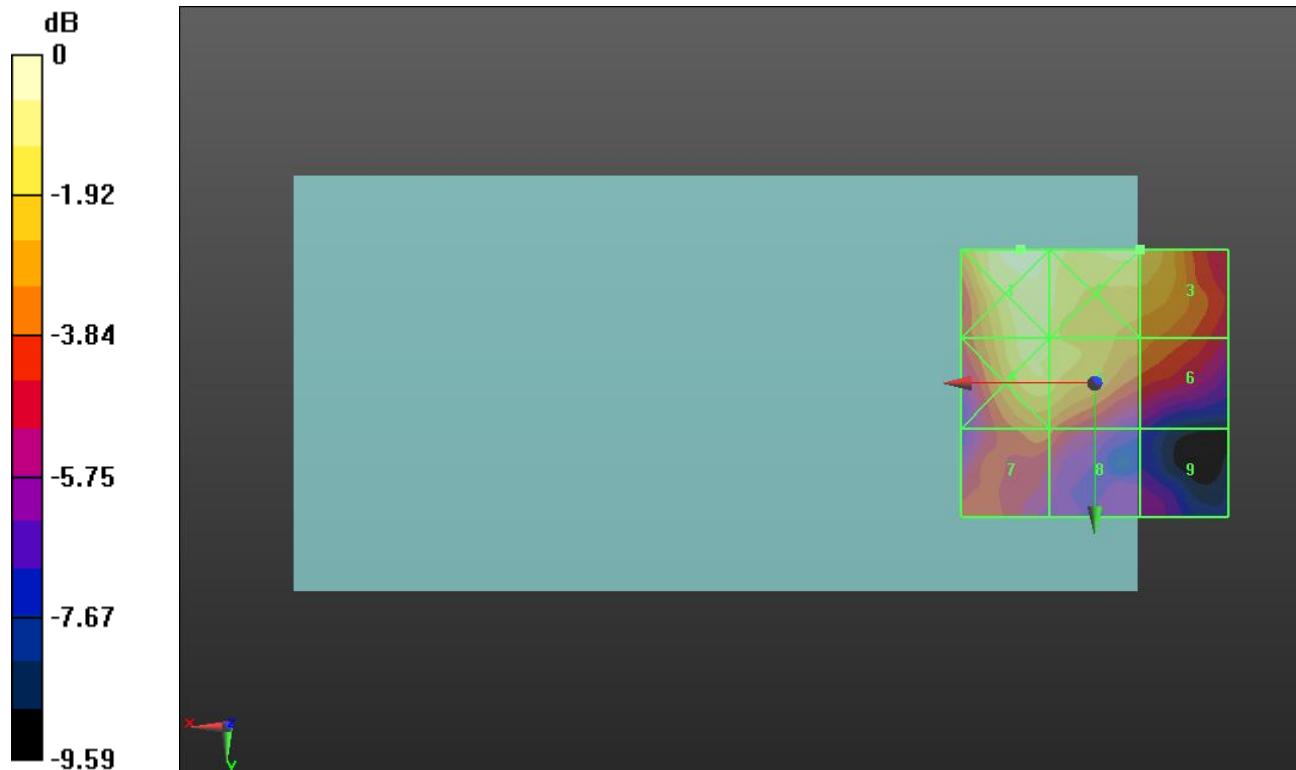
Applied MIF = -3.15 dB

RF audio interference level = 16.84 dBV/m

Emission category: **M4**

MIF scaled E-field

Grid 1 M4 17.89 dBV/m	Grid 2 M4 17.23 dBV/m	Grid 3 M4 16.84 dBV/m
Grid 4 M4 16.9 dBV/m	Grid 5 M4 16.62 dBV/m	Grid 6 M4 14.95 dBV/m
Grid 7 M4 14.64 dBV/m	Grid 8 M4 14.37 dBV/m	Grid 9 M4 12.15 dBV/m



0 dB = 7.843 V/m = 17.89 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 = 12.33 V/m; Power Drift = -0.18 dB

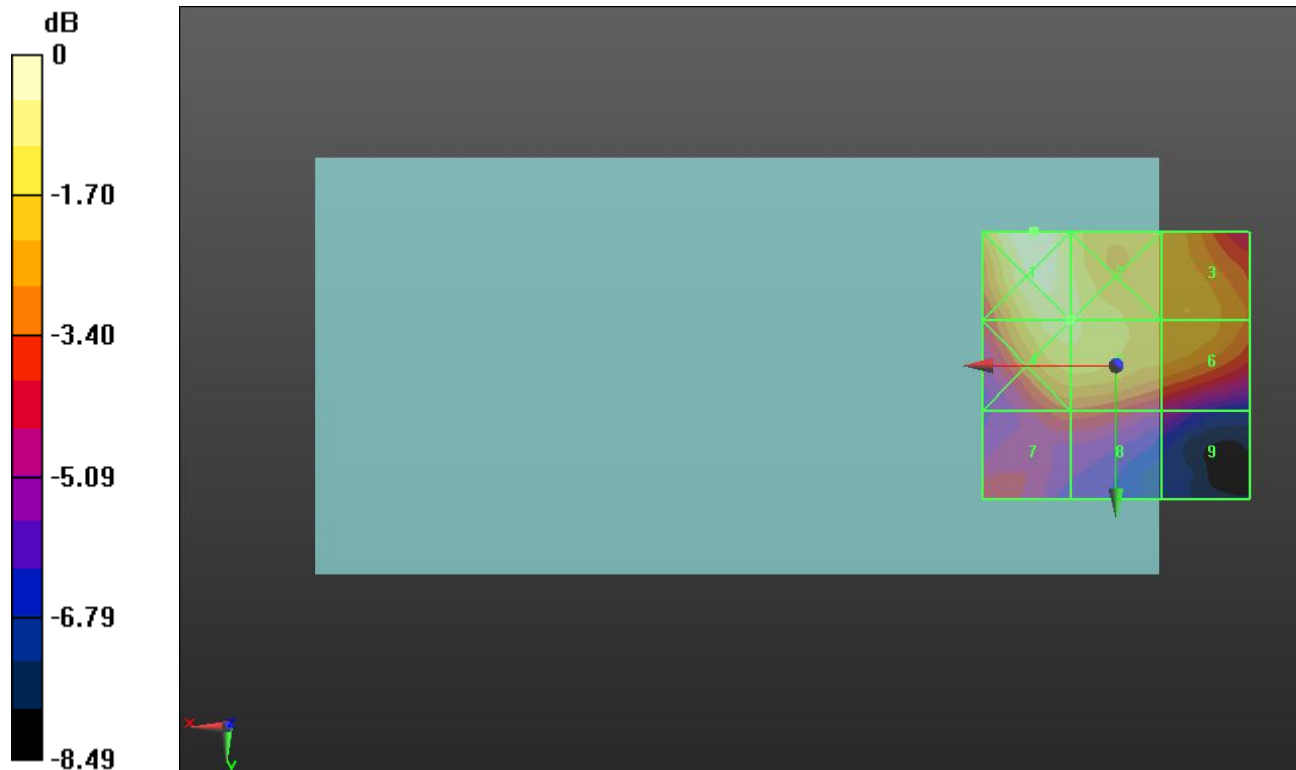
Applied MIF = -3.15 dB

RF audio interference level = 18.39 dBV/m

Emission category: **M4**

MIF scaled E-field

Grid 1 M4 19.3 dBV/m	Grid 2 M4 18.45 dBV/m	Grid 3 M4 17.67 dBV/m
Grid 4 M4 18.45 dBV/m	Grid 5 M4 18.39 dBV/m	Grid 6 M4 17.58 dBV/m
Grid 7 M4 15.79 dBV/m	Grid 8 M4 15.79 dBV/m	Grid 9 M4 14.38 dBV/m



0 dB = 9.224 V/m = 19.30 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 = 12.49 V/m; Power Drift = -0.01 dB

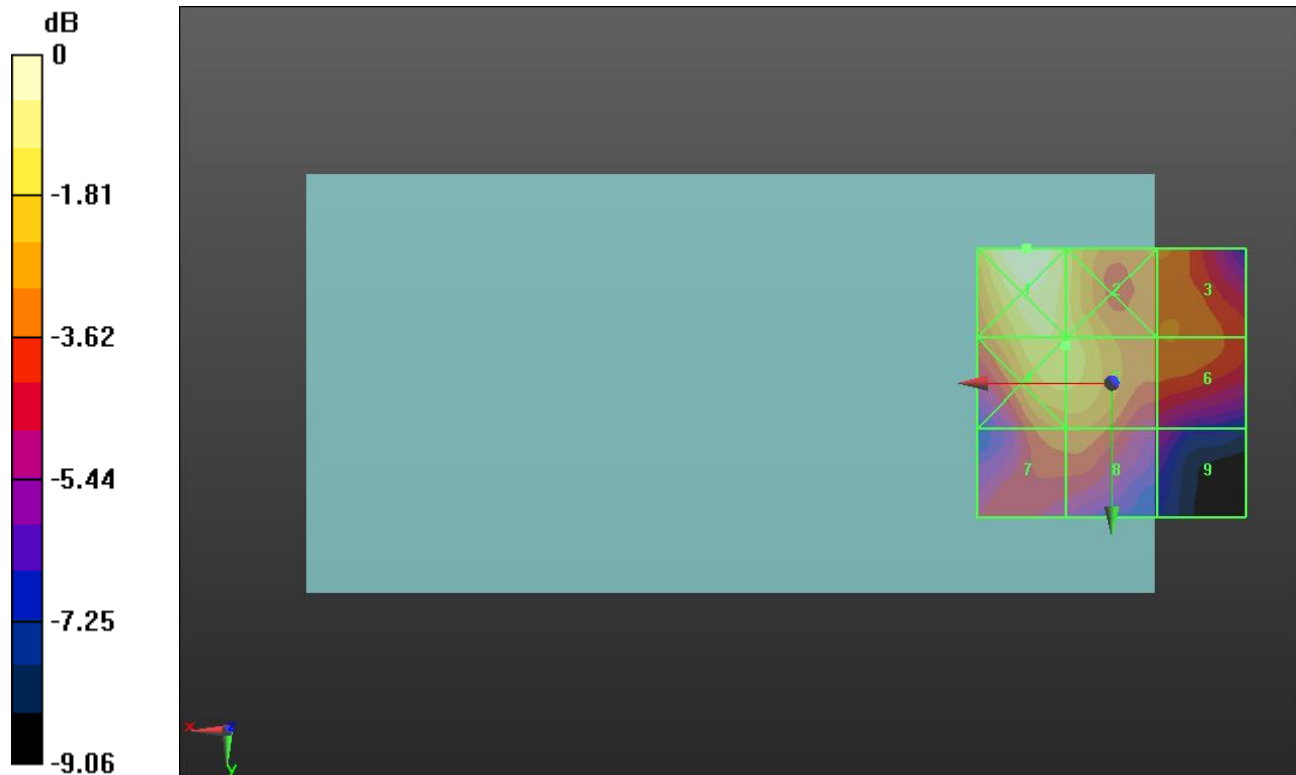
Applied MIF = -3.15 dB

RF audio interference level = 18.65 dBV/m

Emission category: **M4**

MIF scaled E-field

Grid 1 M4 20.1 dBV/m	Grid 2 M4 18.8 dBV/m	Grid 3 M4 17.29 dBV/m
Grid 4 M4 18.91 dBV/m	Grid 5 M4 18.65 dBV/m	Grid 6 M4 17.11 dBV/m
Grid 7 M4 17.16 dBV/m	Grid 8 M4 17.17 dBV/m	Grid 9 M4 14.79 dBV/m



0 dB = 10.11 V/m = 20.10 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 = 11.70 V/m; Power Drift = 0.19 dB

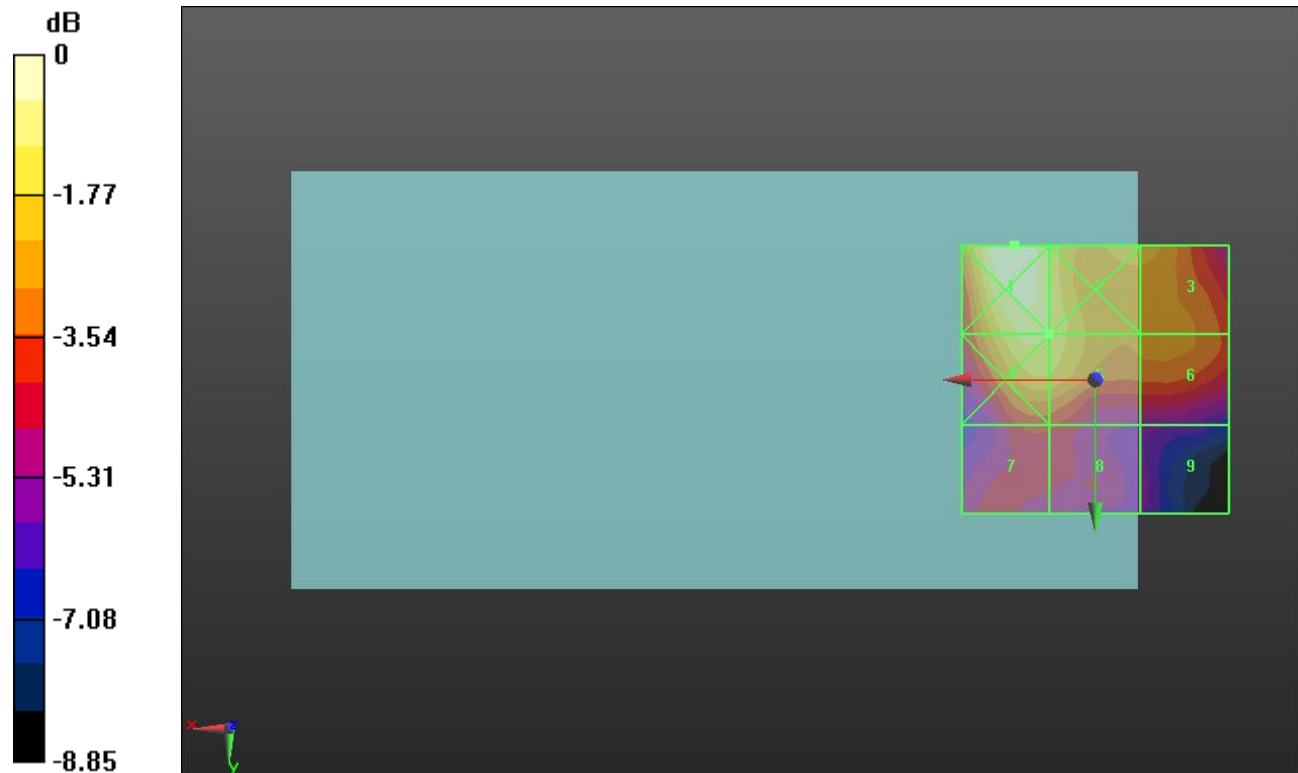
Applied MIF = -3.15 dB

RF audio interference level = 18.88 dBV/m

Emission category: **M4**

MIF scaled E-field

Grid 1 M4 20.14 dBV/m	Grid 2 M4 19.1 dBV/m	Grid 3 M4 18.22 dBV/m
Grid 4 M4 19.11 dBV/m	Grid 5 M4 18.88 dBV/m	Grid 6 M4 17.5 dBV/m
Grid 7 M4 16.23 dBV/m	Grid 8 M4 16.17 dBV/m	Grid 9 M4 14.62 dBV/m



0 dB = 10.16 V/m = 20.14 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 = 12.02 V/m; Power Drift = 0.01 dB

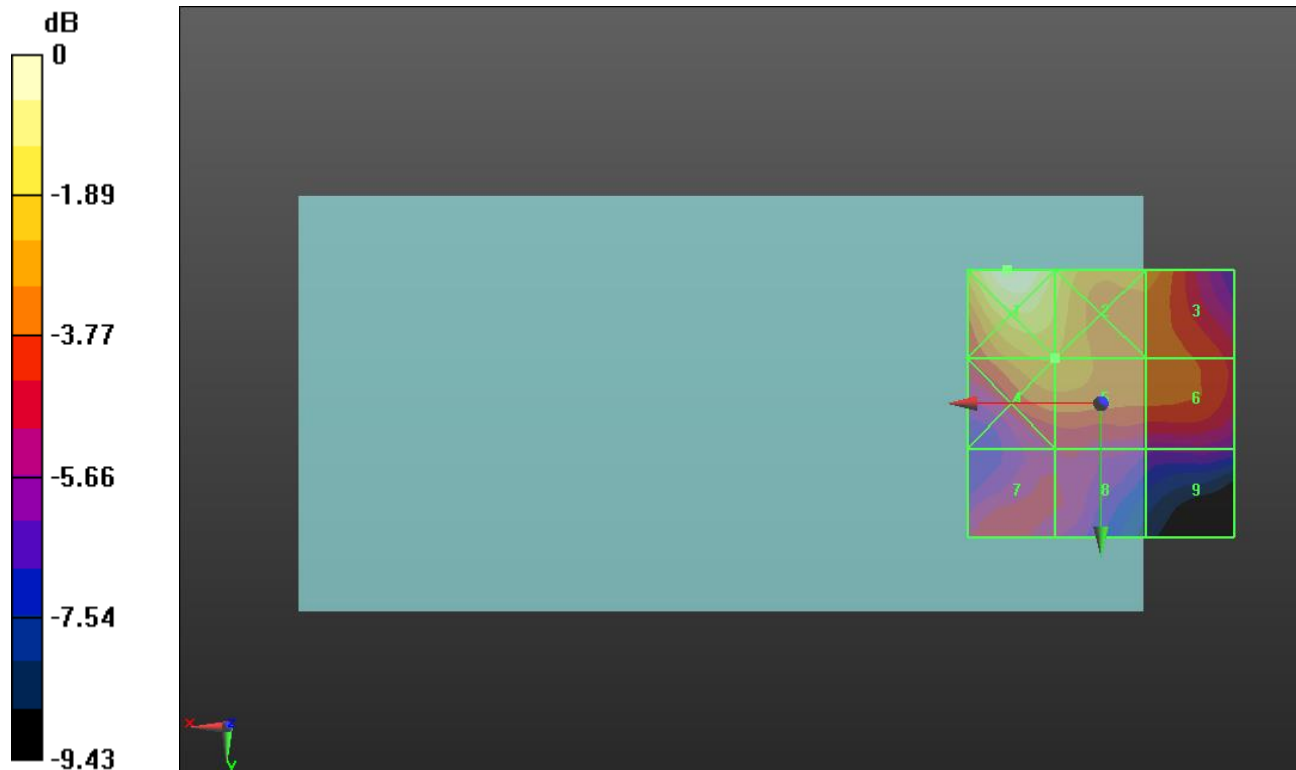
Applied MIF = -3.15 dB

RF audio interference level = 18.06 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 20.58 dBV/m	Grid 2 M4 19.21 dBV/m	Grid 3 M4 17.86 dBV/m
Grid 4 M4 18.12 dBV/m	Grid 5 M4 18.06 dBV/m	Grid 6 M4 17.37 dBV/m
Grid 7 M4 16.03 dBV/m	Grid 8 M4 15.69 dBV/m	Grid 9 M4 14.69 dBV/m



0 dB = 10.69 V/m = 20.58 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 = 12.09 V/m; Power Drift = 0.26 dB

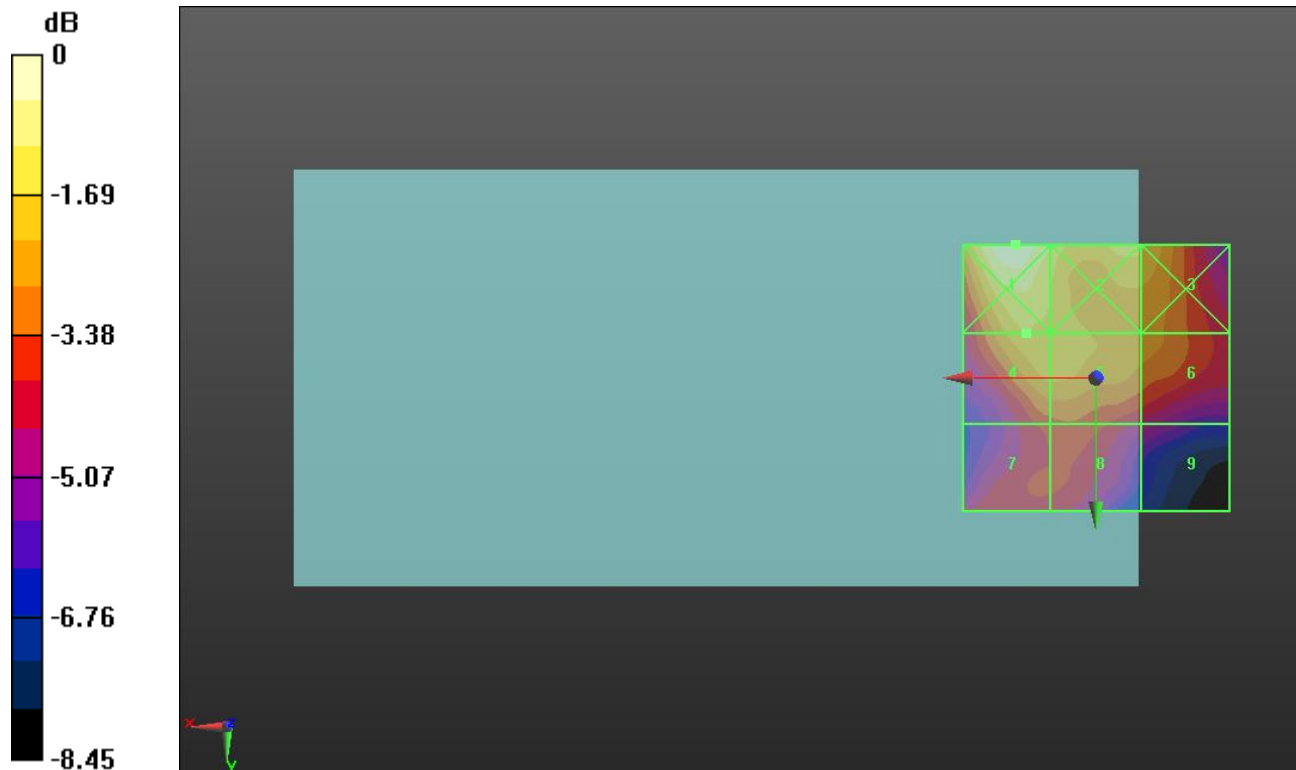
Applied MIF = -3.15 dB

RF audio interference level = 18.47 dBV/m

Emission category: **M4**

MIF scaled E-field

Grid 1 M4 20.21 dBV/m	Grid 2 M4 19.18 dBV/m	Grid 3 M4 18.66 dBV/m
Grid 4 M4 18.47 dBV/m	Grid 5 M4 18.36 dBV/m	Grid 6 M4 17.67 dBV/m
Grid 7 M4 16.61 dBV/m	Grid 8 M4 16.8 dBV/m	Grid 9 M4 15.53 dBV/m



0 dB = 10.24 V/m = 20.21 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 = 9.501 V/m; Power Drift = 0.39 dB

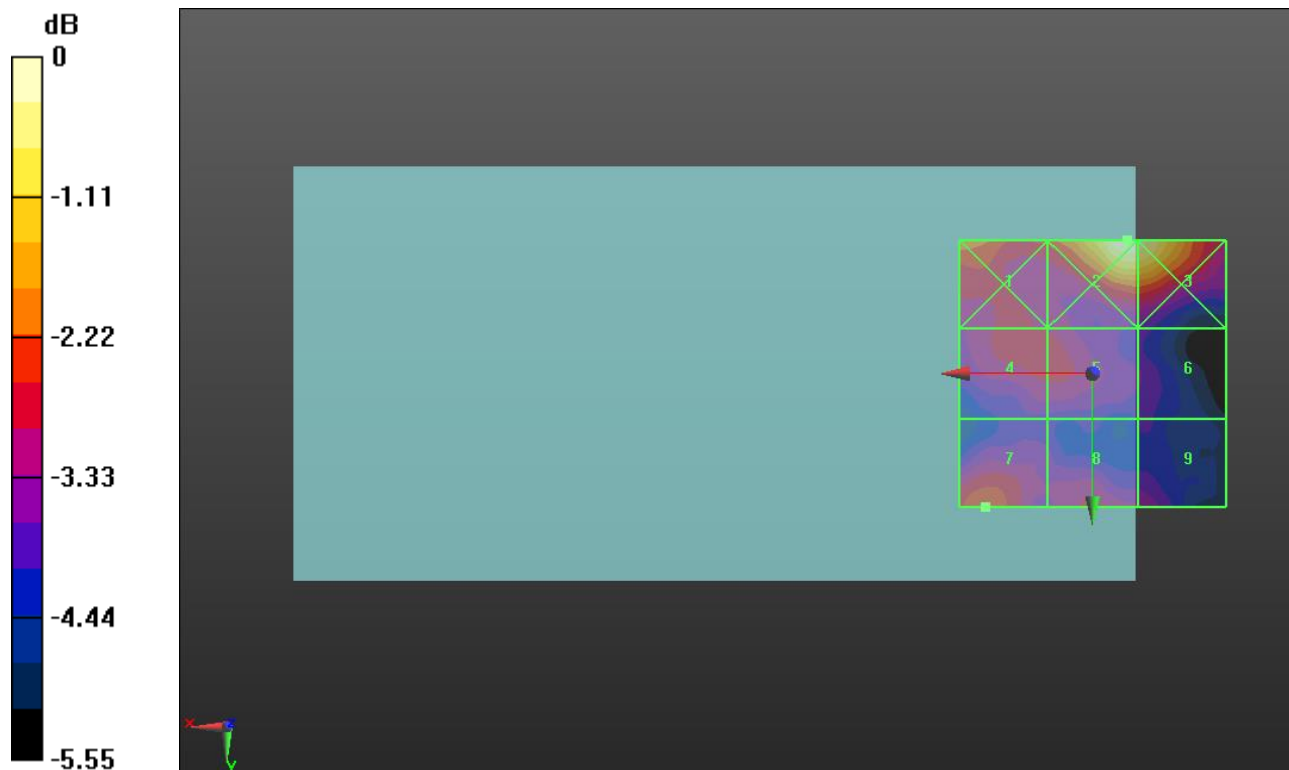
Applied MIF = -3.15 dB

RF audio interference level = 15.87 dBV/m

Emission category: **M4**

MIF scaled E-field

Grid 1 M4 16.14 dBV/m	Grid 2 M4 18.06 dBV/m	Grid 3 M4 17.92 dBV/m
Grid 4 M4 15.47 dBV/m	Grid 5 M4 15.39 dBV/m	Grid 6 M4 14.43 dBV/m
Grid 7 M4 15.87 dBV/m	Grid 8 M4 15.21 dBV/m	Grid 9 M4 14.85 dBV/m



0 dB = 8.000 V/m = 18.06 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 = 9.233 V/m; Power Drift = -0.07 dB

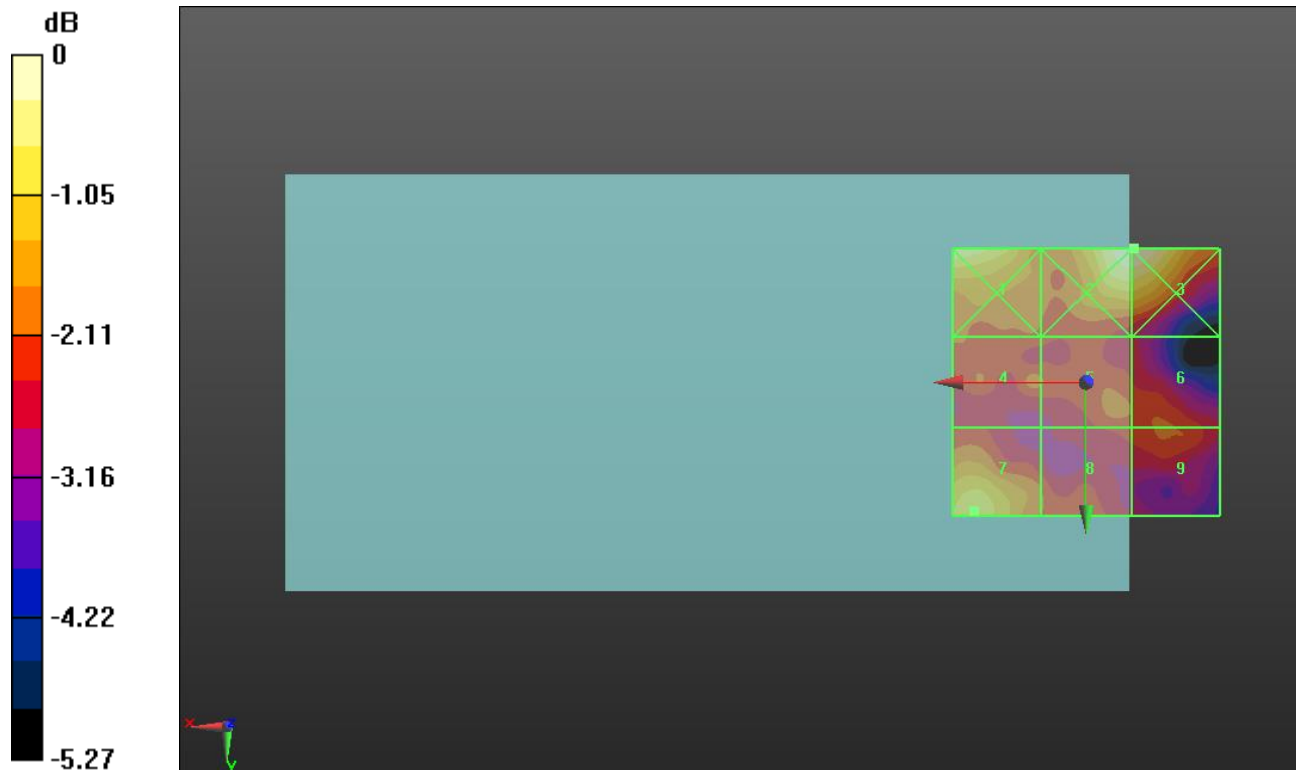
Applied MIF = -3.15 dB

RF audio interference level = 15.49 dBV/m

Emission category: **M4**

MIF scaled E-field

Grid 1 M4 16.16 dBV/m	Grid 2 M4 16.32 dBV/m	Grid 3 M4 16.32 dBV/m
Grid 4 M4 14.34 dBV/m	Grid 5 M4 14.35 dBV/m	Grid 6 M4 14.27 dBV/m
Grid 7 M4 15.49 dBV/m	Grid 8 M4 14.29 dBV/m	Grid 9 M4 14.27 dBV/m



0 dB = 6.548 V/m = 16.32 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 = 8.299 V/m; Power Drift = -0.02 dB

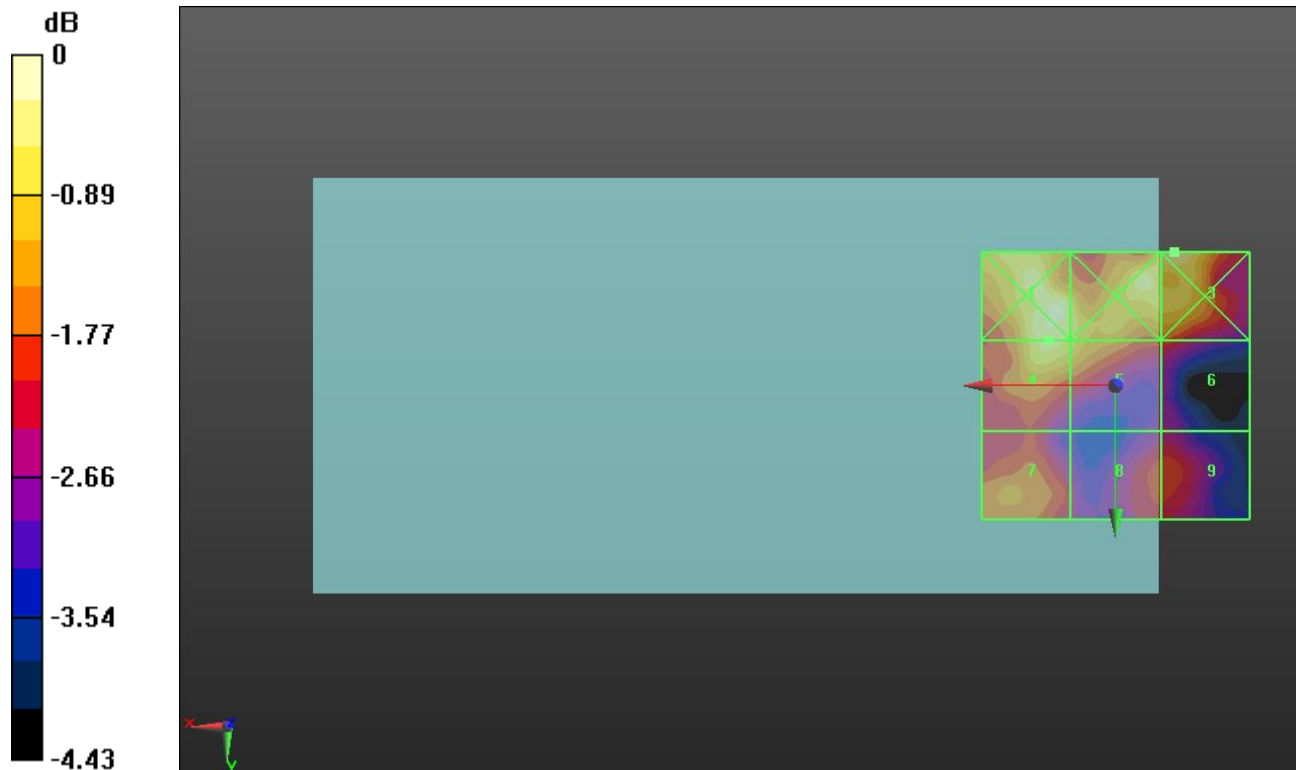
Applied MIF = -3.15 dB

RF audio interference level = 15.55 dBV/m

Emission category: **M4**

MIF scaled E-field

Grid 1 M4 15.76 dBV/m	Grid 2 M4 15.58 dBV/m	Grid 3 M4 15.97 dBV/m
Grid 4 M4 15.55 dBV/m	Grid 5 M4 15.27 dBV/m	Grid 6 M4 14.18 dBV/m
Grid 7 M4 14.59 dBV/m	Grid 8 M4 14.12 dBV/m	Grid 9 M4 14.13 dBV/m



0 dB = 6.287 V/m = 15.97 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 = 8.217 V/m; Power Drift = 0.09 dB

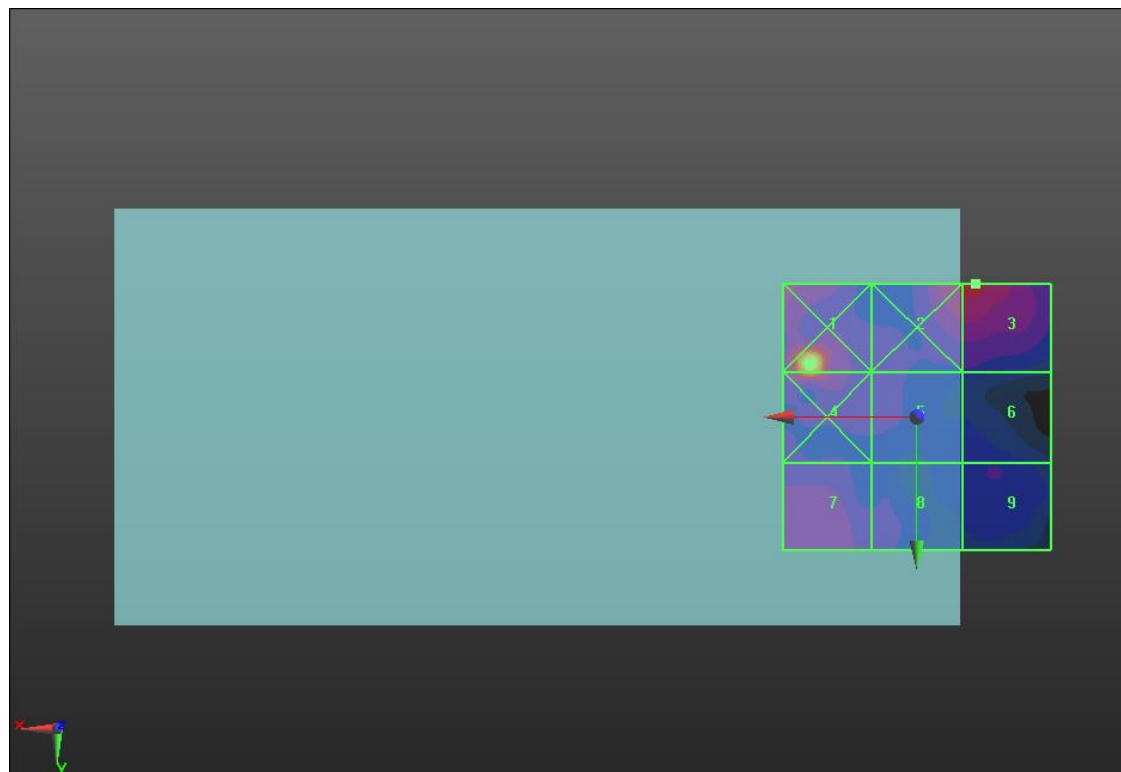
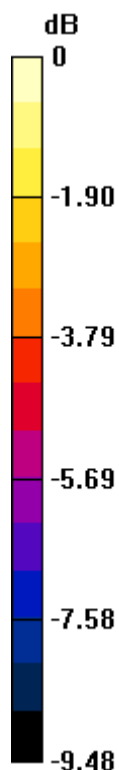
Applied MIF = -3.15 dB

RF audio interference level = 15.61 dBV/m

Emission category: **M4**

MIF scaled E-field

Grid 1 M4 20.49 dBV/m	Grid 2 M4 15.57 dBV/m	Grid 3 M4 15.61 dBV/m
Grid 4 M4 18.34 dBV/m	Grid 5 M4 14.08 dBV/m	Grid 6 M4 13.46 dBV/m
Grid 7 M4 14.79 dBV/m	Grid 8 M4 13.87 dBV/m	Grid 9 M4 13.63 dBV/m



0 dB = 10.58 V/m = 20.49 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 = 8.277 V/m; Power Drift = -0.18 dB

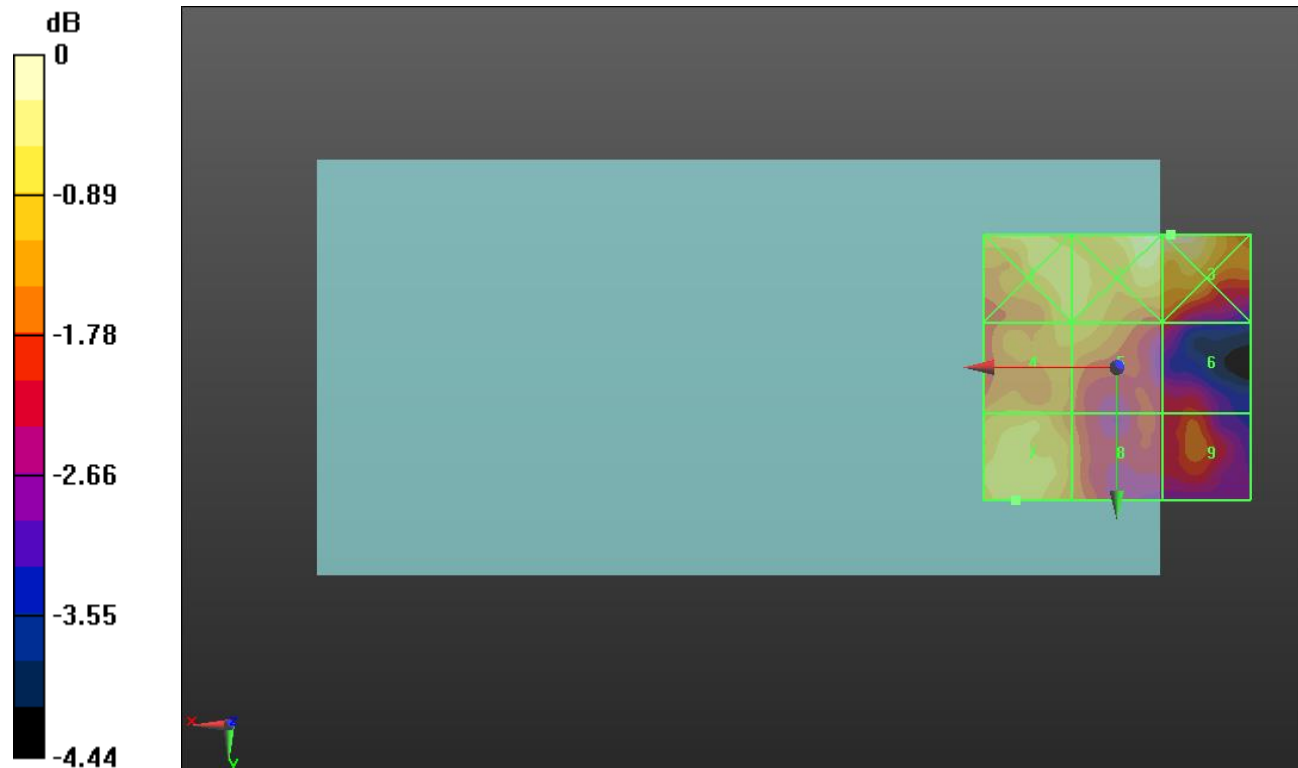
Applied MIF = -3.15 dB

RF audio interference level = 14.99 dBV/m

Emission category: **M4**

MIF scaled E-field

Grid 1 M4 14.97 dBV/m	Grid 2 M4 15.6 dBV/m	Grid 3 M4 15.62 dBV/m
Grid 4 M4 14.7 dBV/m	Grid 5 M4 14.7 dBV/m	Grid 6 M4 13.7 dBV/m
Grid 7 M4 14.99 dBV/m	Grid 8 M4 14.31 dBV/m	Grid 9 M4 14.14 dBV/m



0 dB = 6.042 V/m = 15.62 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 = 7.835 V/m; Power Drift = -0.09 dB

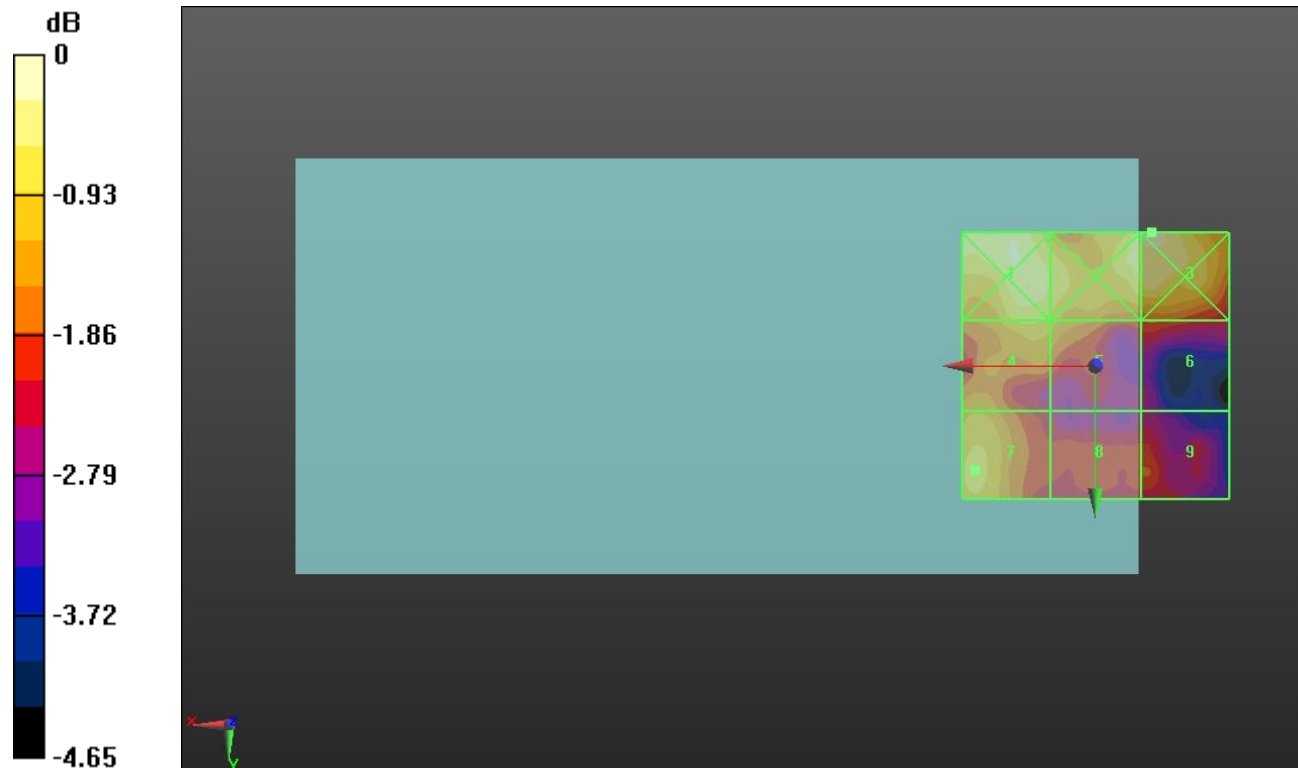
Applied MIF = -3.15 dB

RF audio interference level = 14.48 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 15.04 dBV/m	Grid 2 M4 15.12 dBV/m	Grid 3 M4 15.33 dBV/m
Grid 4 M4 14.47 dBV/m	Grid 5 M4 14.3 dBV/m	Grid 6 M4 13.53 dBV/m
Grid 7 M4 14.48 dBV/m	Grid 8 M4 13.48 dBV/m	Grid 9 M4 13.53 dBV/m



0 dB = 5.842 V/m = 15.33 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):

Interpolated grid: dx=0.5000 mm, dy=0.5000 mm

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 23.95 V/m; Power Drift = 0.04 dB

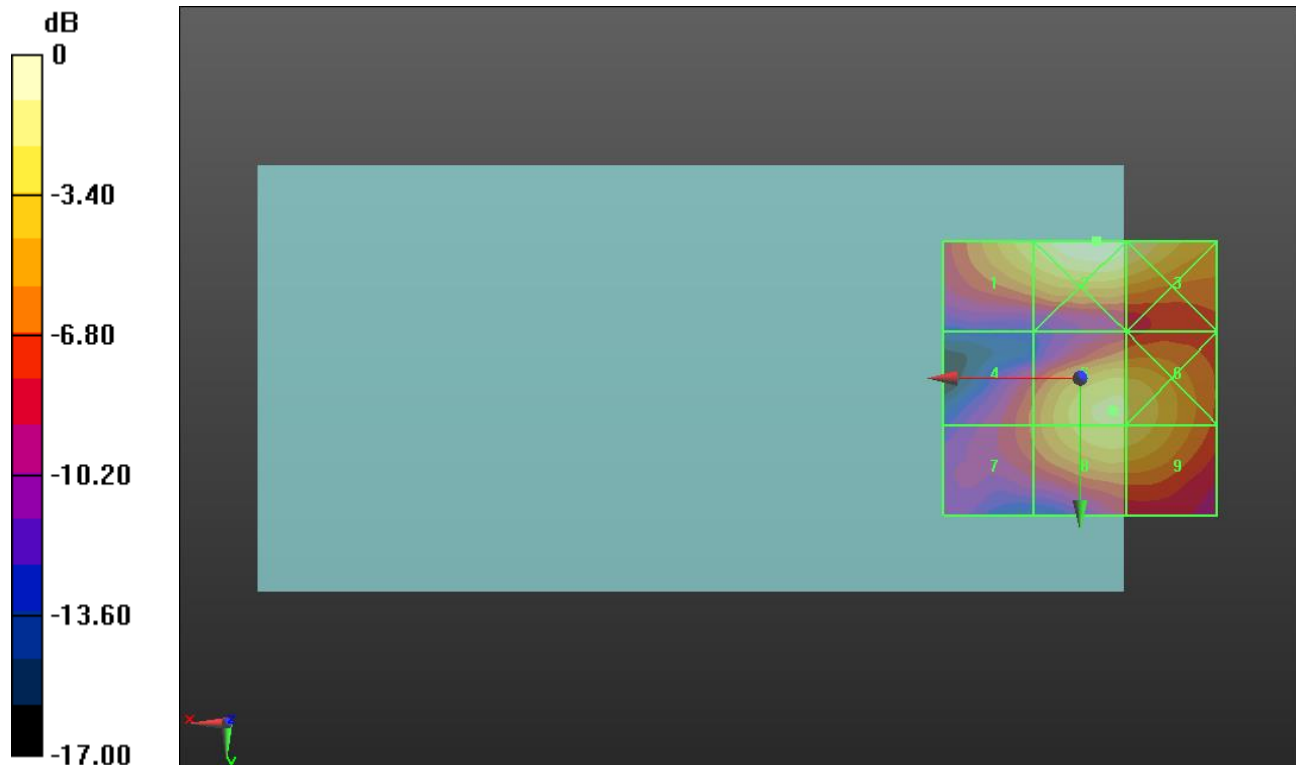
Applied MIF = -1.44 dB

RF audio interference level = 22.90 dBV/m

Emission category: **M4**

MIF scaled E-field

Grid 1 M4 22.67 dBV/m	Grid 2 M4 24.86 dBV/m	Grid 3 M4 24.22 dBV/m
Grid 4 M4 18.53 dBV/m	Grid 5 M4 22.9 dBV/m	Grid 6 M4 22.68 dBV/m
Grid 7 M4 18.48 dBV/m	Grid 8 M4 22.66 dBV/m	Grid 9 M4 22.46 dBV/m



0 dB = 17.50 V/m = 24.86 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 = 22.05 V/m; Power Drift = -0.08 dB

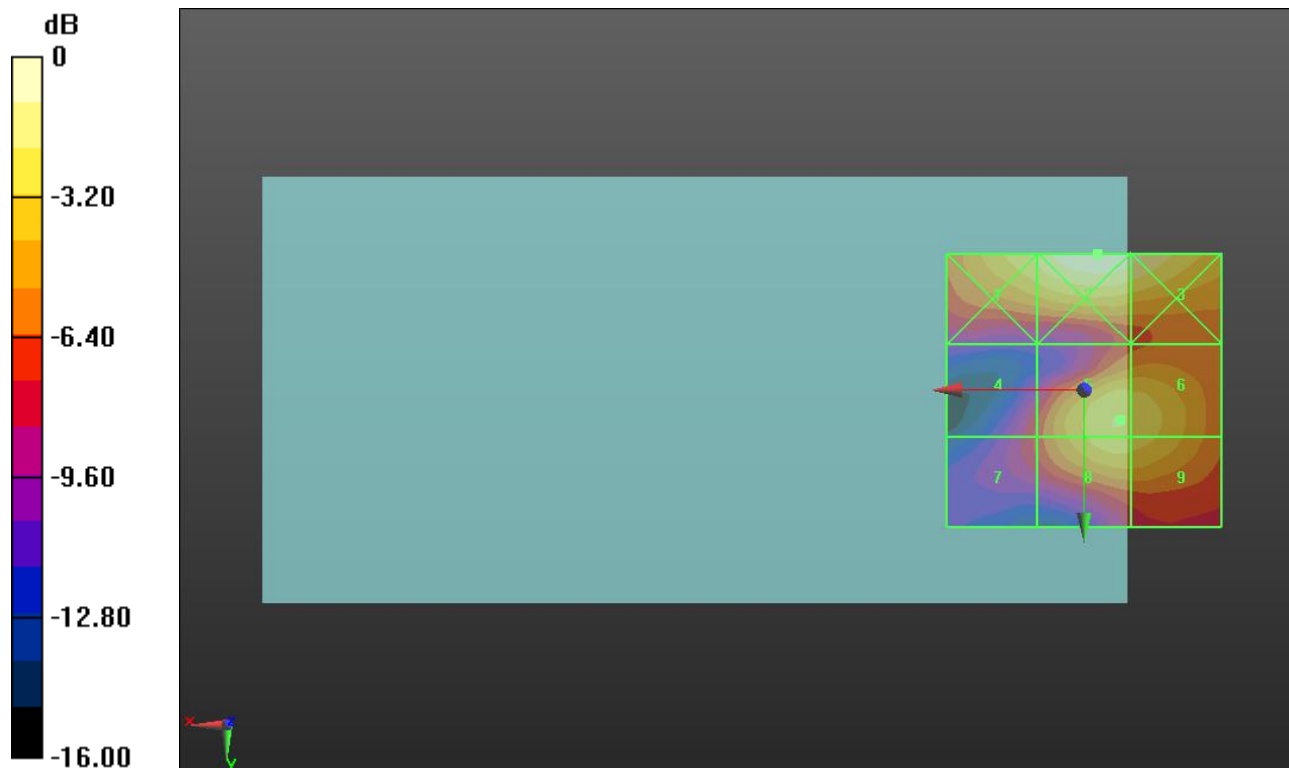
Applied MIF = -1.44 dB

RF audio interference level = 22.20 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 22.5 dBV/m	Grid 2 M4 24.26 dBV/m	Grid 3 M4 23.71 dBV/m
Grid 4 M4 17.26 dBV/m	Grid 5 M4 22.2 dBV/m	Grid 6 M4 21.96 dBV/m
Grid 7 M4 17.26 dBV/m	Grid 8 M4 21.92 dBV/m	Grid 9 M4 21.71 dBV/m



0 dB = 16.34 V/m = 24.27 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 = 21.39 V/m; Power Drift = -0.03 dB

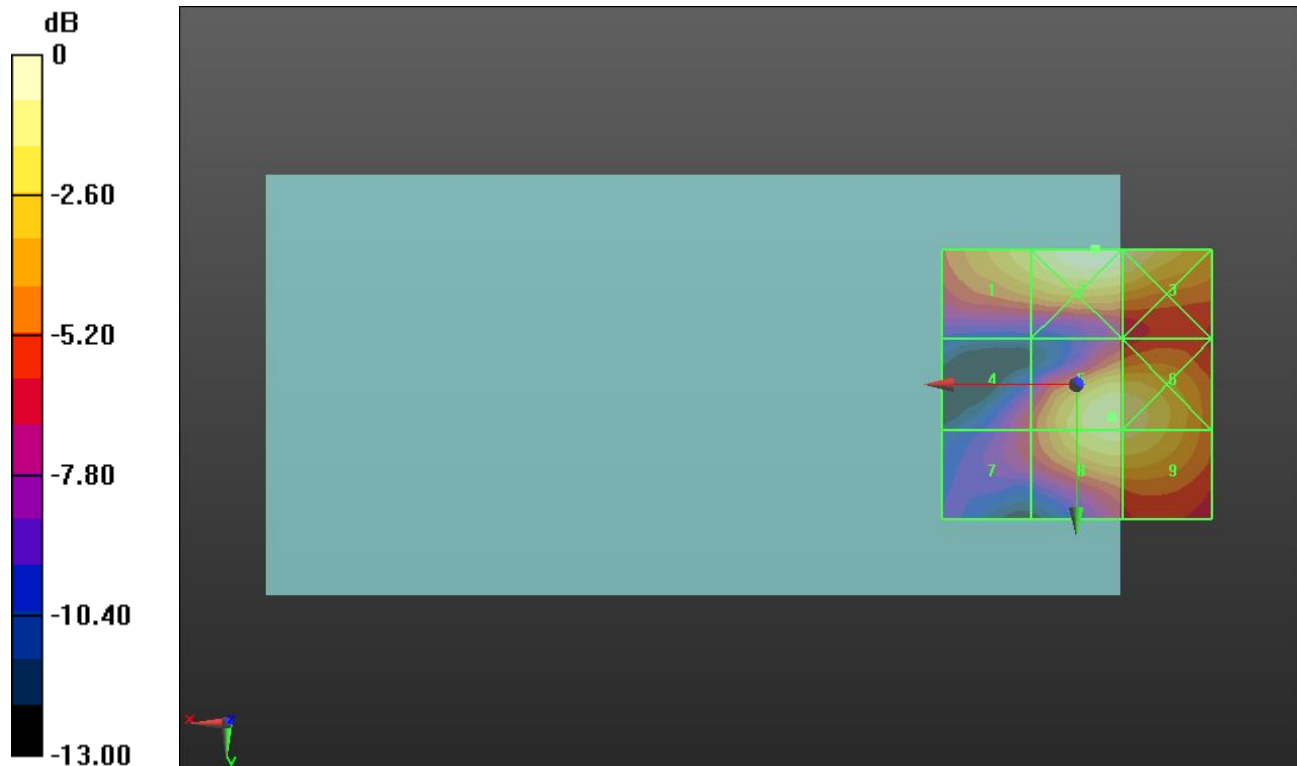
Applied MIF = -1.44 dB

RF audio interference level = 22.41 dBV/m

Emission category: **M4**

MIF scaled E-field

Grid 1 M4 21.79 dBV/m	Grid 2 M4 23.42 dBV/m	Grid 3 M4 23.05 dBV/m
Grid 4 M4 17.62 dBV/m	Grid 5 M4 22.41 dBV/m	Grid 6 M4 22.32 dBV/m
Grid 7 M4 17.61 dBV/m	Grid 8 M4 22.12 dBV/m	Grid 9 M4 22.06 dBV/m



0 dB = 14.83 V/m = 23.42 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): Interpolated grid: dx=0.5000 mm, dy=0.5000 mm

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 19.37 V/m; Power Drift = 0.01 dB

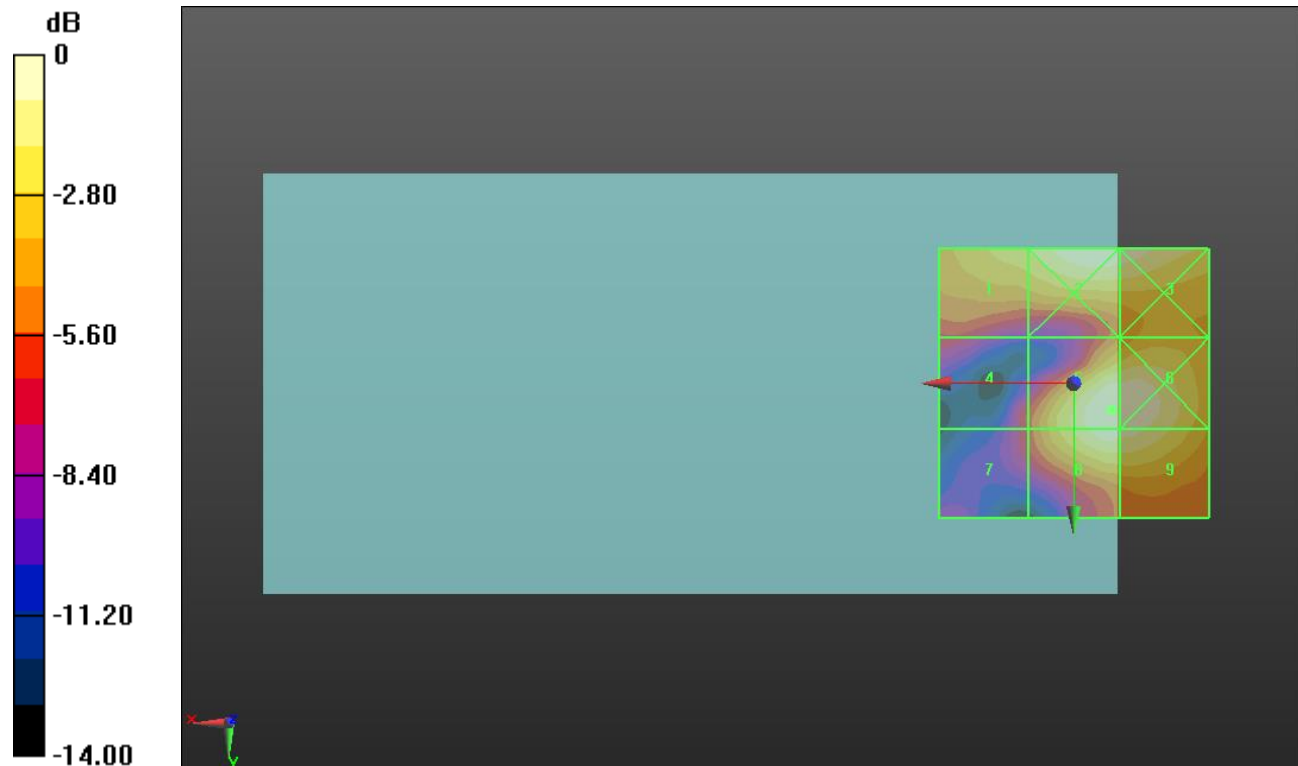
Applied MIF = -1.44 dB

RF audio interference level = 22.25 dBV/m

Emission category: **M4**

MIF scaled E-field

Grid 1 M4 20.41 dBV/m	Grid 2 M4 22.15 dBV/m	Grid 3 M4 22.06 dBV/m
Grid 4 M4 16.12 dBV/m	Grid 5 M4 22.25 dBV/m	Grid 6 M4 22.19 dBV/m
Grid 7 M4 15.99 dBV/m	Grid 8 M4 21.9 dBV/m	Grid 9 M4 21.79 dBV/m



0 dB = 12.95 V/m = 22.25 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 = 21.04 V/m; Power Drift = -0.09 dB

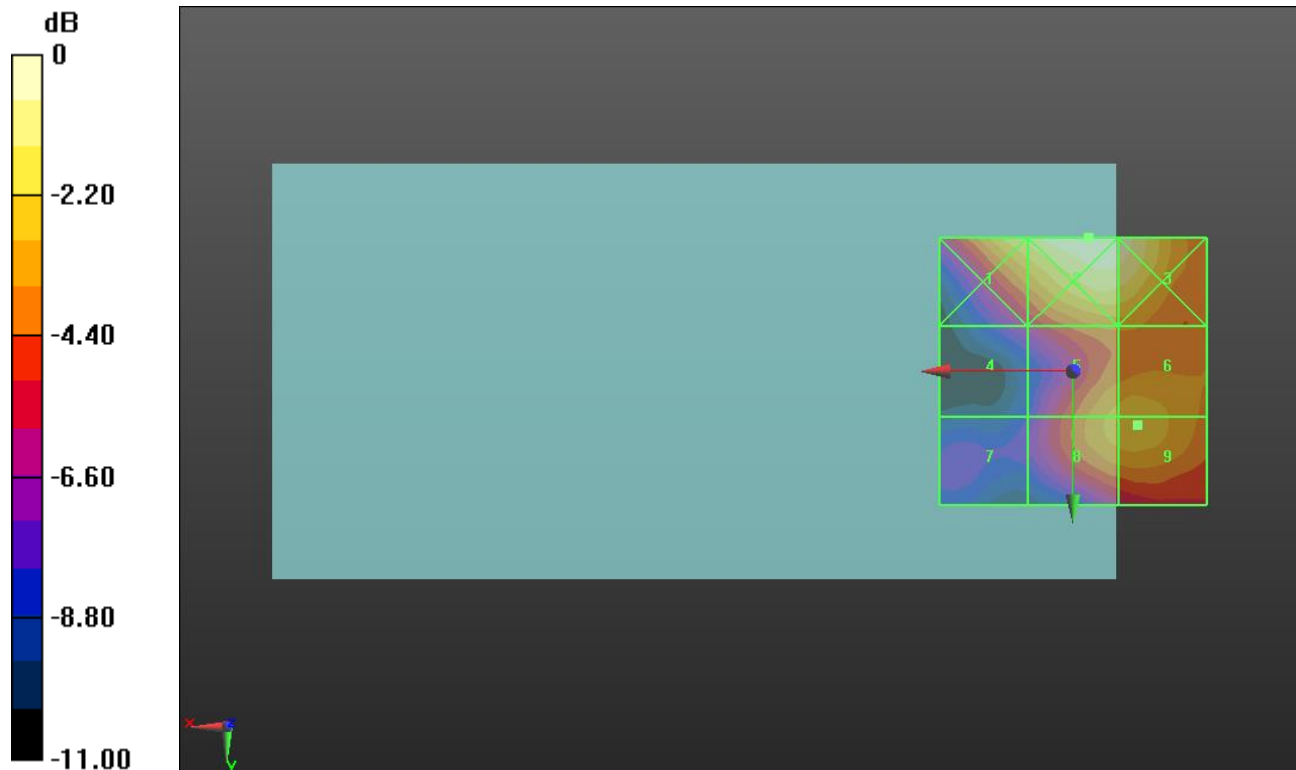
Applied MIF = -3.15 dB

RF audio interference level = 25.58 dBV/m

Emission category: **M4**

MIF scaled E-field

Grid 1 M4 27.03 dBV/m	Grid 2 M4 28.06 dBV/m	Grid 3 M4 27.78 dBV/m
Grid 4 M4 21.98 dBV/m	Grid 5 M4 25.38 dBV/m	Grid 6 M4 25.55 dBV/m
Grid 7 M4 20.82 dBV/m	Grid 8 M4 25.42 dBV/m	Grid 9 M4 25.58 dBV/m



0 dB = 25.29 V/m = 28.06 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 = 24.39 V/m; Power Drift = -0.13 dB

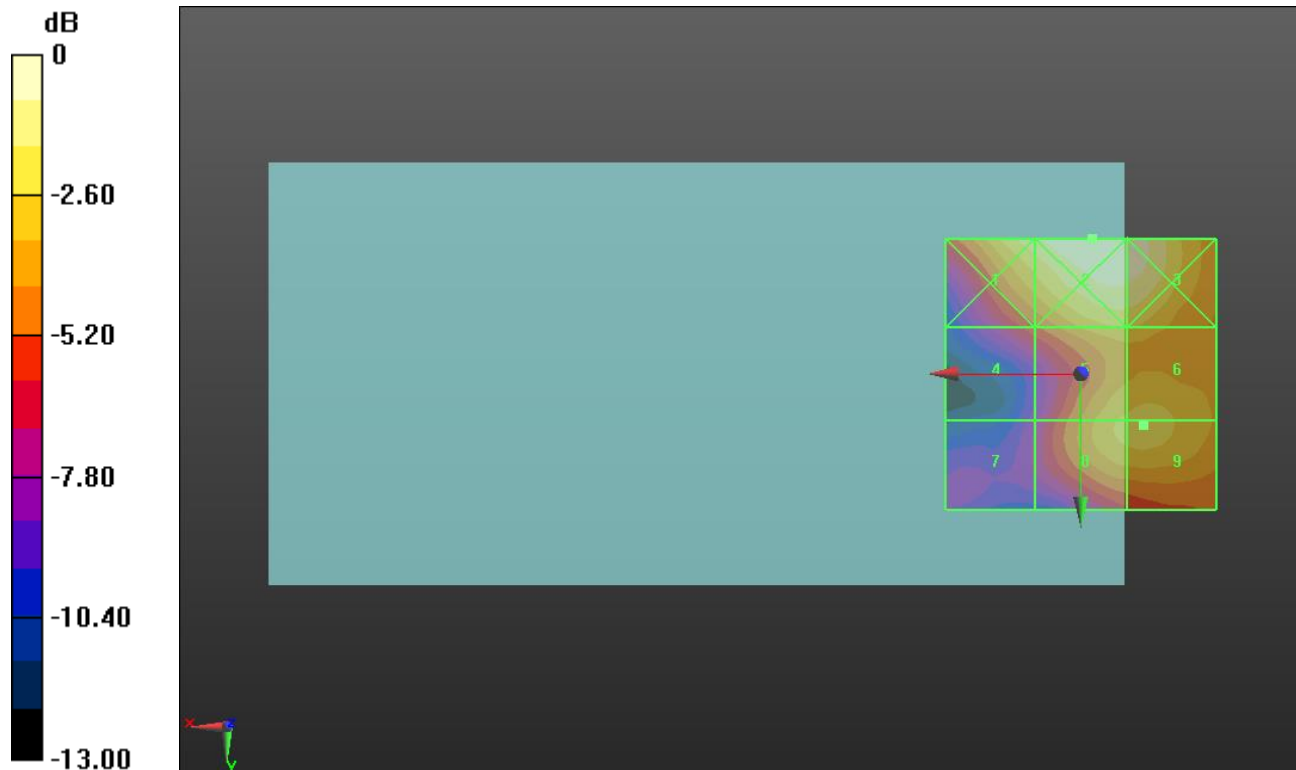
Applied MIF = -3.15 dB

RF audio interference level = 26.45 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 27.75 dBV/m	Grid 2 M4 28.71 dBV/m	Grid 3 M4 28.53 dBV/m
Grid 4 M4 23.29 dBV/m	Grid 5 M4 26.27 dBV/m	Grid 6 M4 26.42 dBV/m
Grid 7 M4 21.18 dBV/m	Grid 8 M4 26.31 dBV/m	Grid 9 M4 26.45 dBV/m



0 dB = 27.27 V/m = 28.71 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 = 25.45 V/m; Power Drift = -0.09 dB

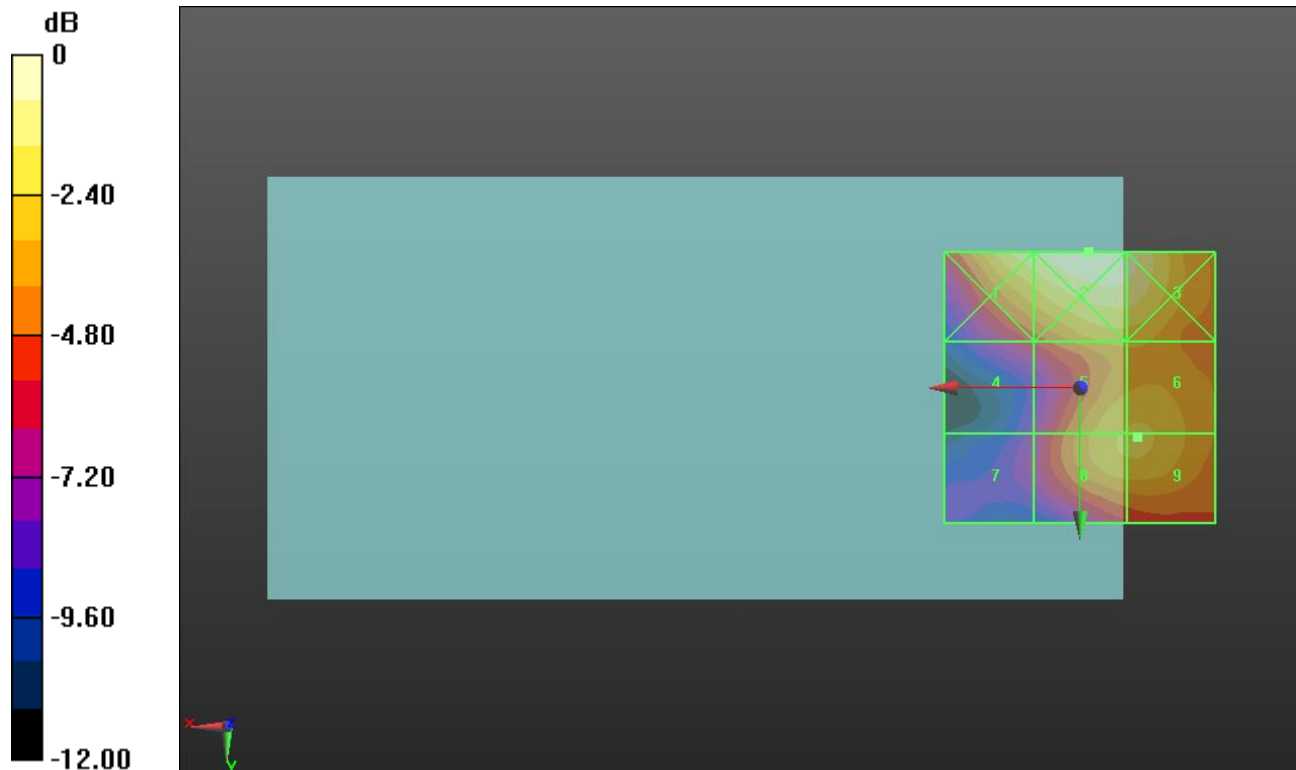
Applied MIF = -3.15 dB

RF audio interference level = 26.59 dBV/m

Emission category: **M4**

MIF scaled E-field

Grid 1 M4 28.16 dBV/m	Grid 2 M4 28.84 dBV/m	Grid 3 M4 28.42 dBV/m
Grid 4 M4 23.41 dBV/m	Grid 5 M4 26.53 dBV/m	Grid 6 M4 26.58 dBV/m
Grid 7 M4 22.08 dBV/m	Grid 8 M4 26.55 dBV/m	Grid 9 M4 26.59 dBV/m



0 dB = 27.66 V/m = 28.84 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 = 24.75 V/m; Power Drift = 0.13 dB

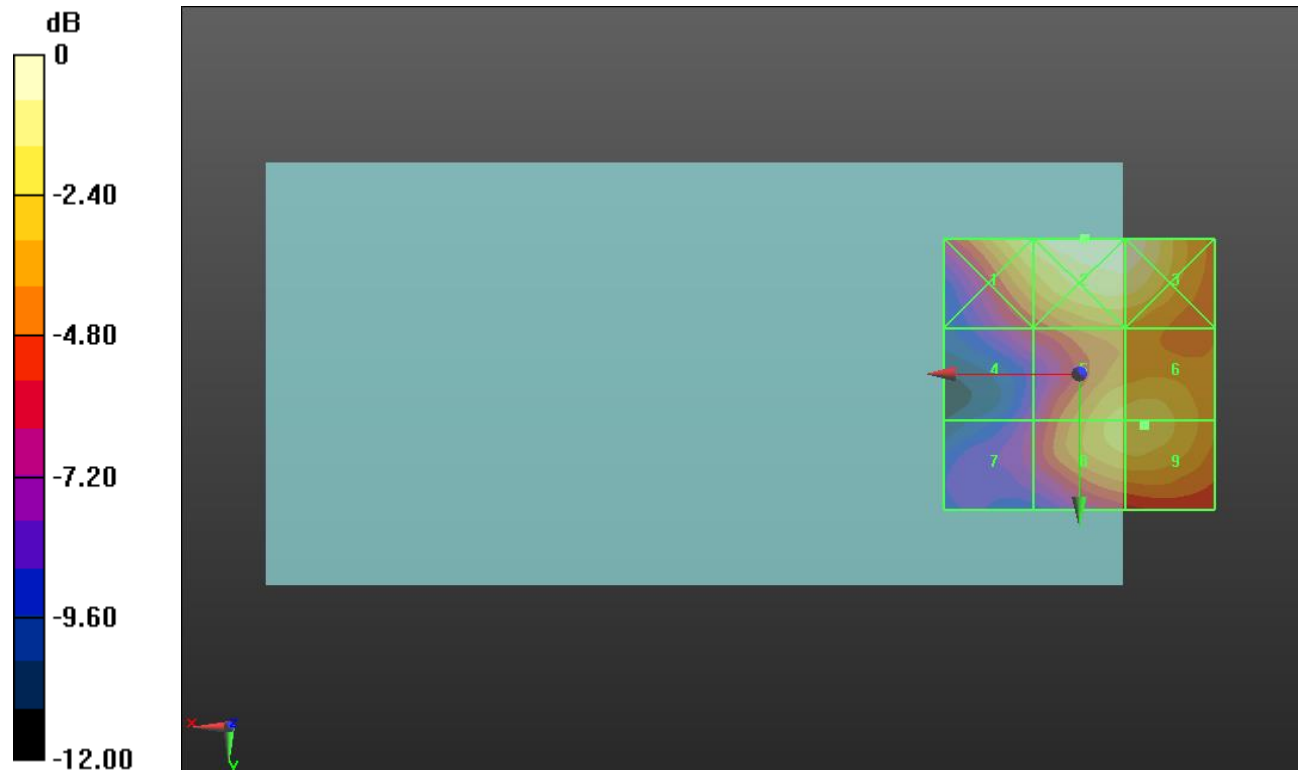
Applied MIF = -3.15 dB

RF audio interference level = 27.48 dBV/m

Emission category: **M4**

MIF scaled E-field

Grid 1 M4 28.46 dBV/m	Grid 2 M4 29.38 dBV/m	Grid 3 M4 29.25 dBV/m
Grid 4 M4 23.89 dBV/m	Grid 5 M4 27.34 dBV/m	Grid 6 M4 27.45 dBV/m
Grid 7 M4 22.95 dBV/m	Grid 8 M4 27.38 dBV/m	Grid 9 M4 27.48 dBV/m



0 dB = 29.44 V/m = 29.38 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 = 24.10 V/m; Power Drift = -0.05 dB

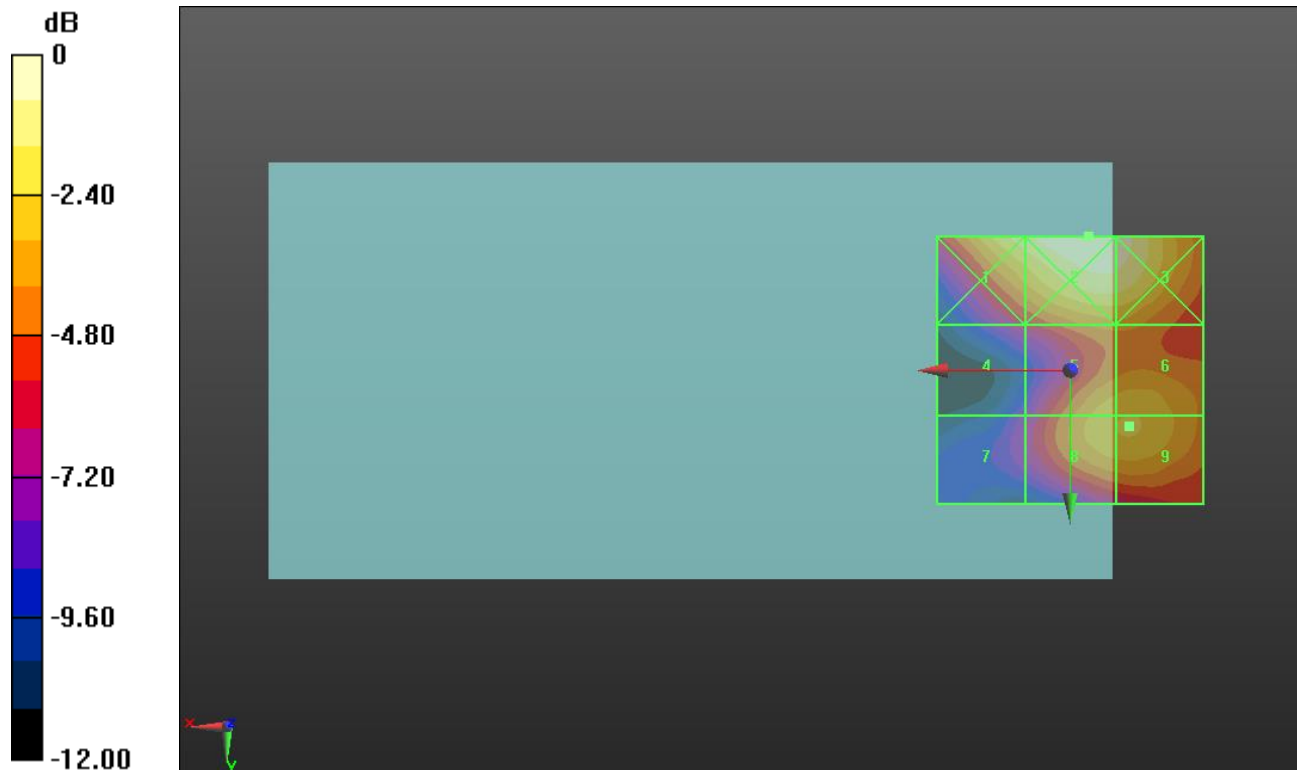
Applied MIF = -3.15 dB

RF audio interference level = 27.60 dBV/m

Emission category: **M4**

MIF scaled E-field

Grid 1 M4 28.91 dBV/m	Grid 2 M4 29.9 dBV/m	Grid 3 M4 29.6 dBV/m
Grid 4 M4 23.74 dBV/m	Grid 5 M4 27.41 dBV/m	Grid 6 M4 27.53 dBV/m
Grid 7 M4 22.88 dBV/m	Grid 8 M4 27.51 dBV/m	Grid 9 M4 27.6 dBV/m



0 dB = 31.27 V/m = 29.90 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 = 24.65 V/m; Power Drift = 0.08 dB

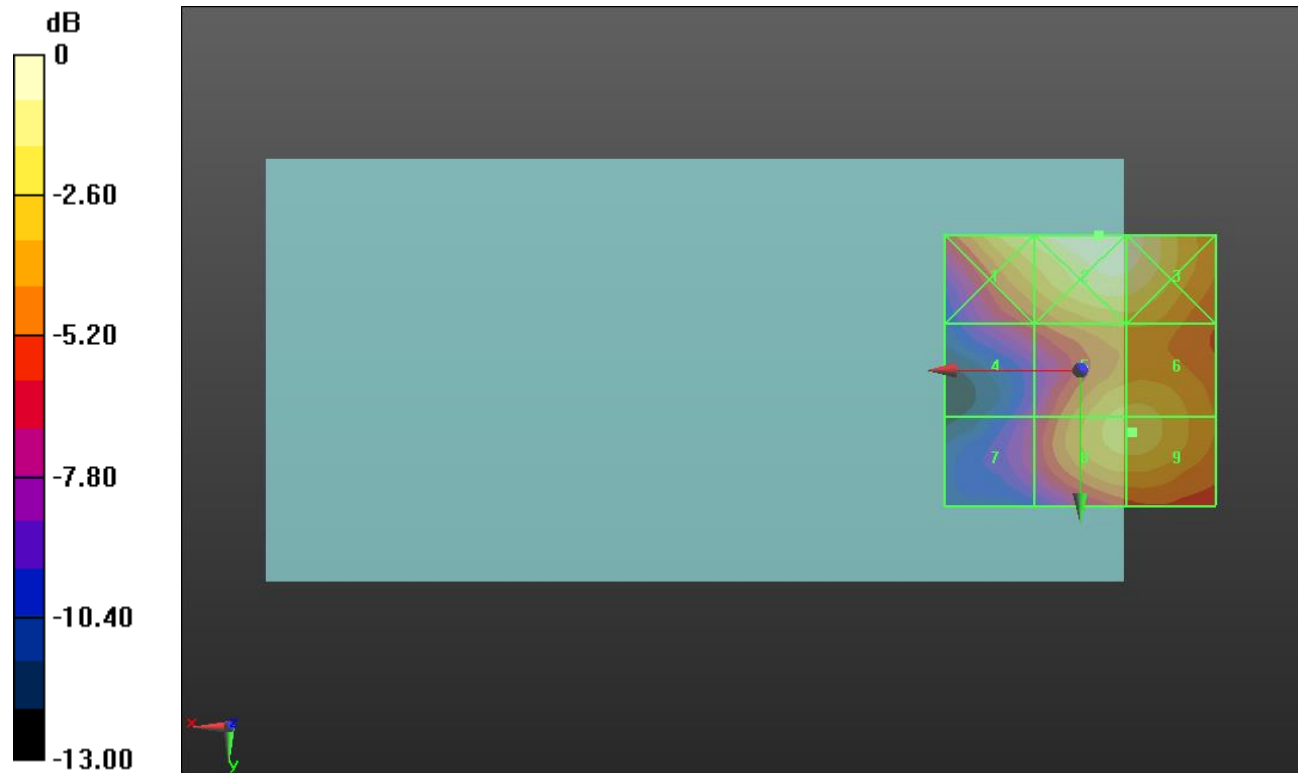
Applied MIF = -3.15 dB

RF audio interference level = 27.68 dBV/m

Emission category: **M4**

MIF scaled E-field

Grid 1 M4 28.66 dBV/m	Grid 2 M4 29.83 dBV/m	Grid 3 M4 29.53 dBV/m
Grid 4 M4 24.27 dBV/m	Grid 5 M4 27.55 dBV/m	Grid 6 M4 27.58 dBV/m
Grid 7 M4 23.02 dBV/m	Grid 8 M4 27.67 dBV/m	Grid 9 M4 27.68 dBV/m



0 dB = 31.02 V/m = 29.83 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 = 17.95 V/m; Power Drift = -0.17 dB

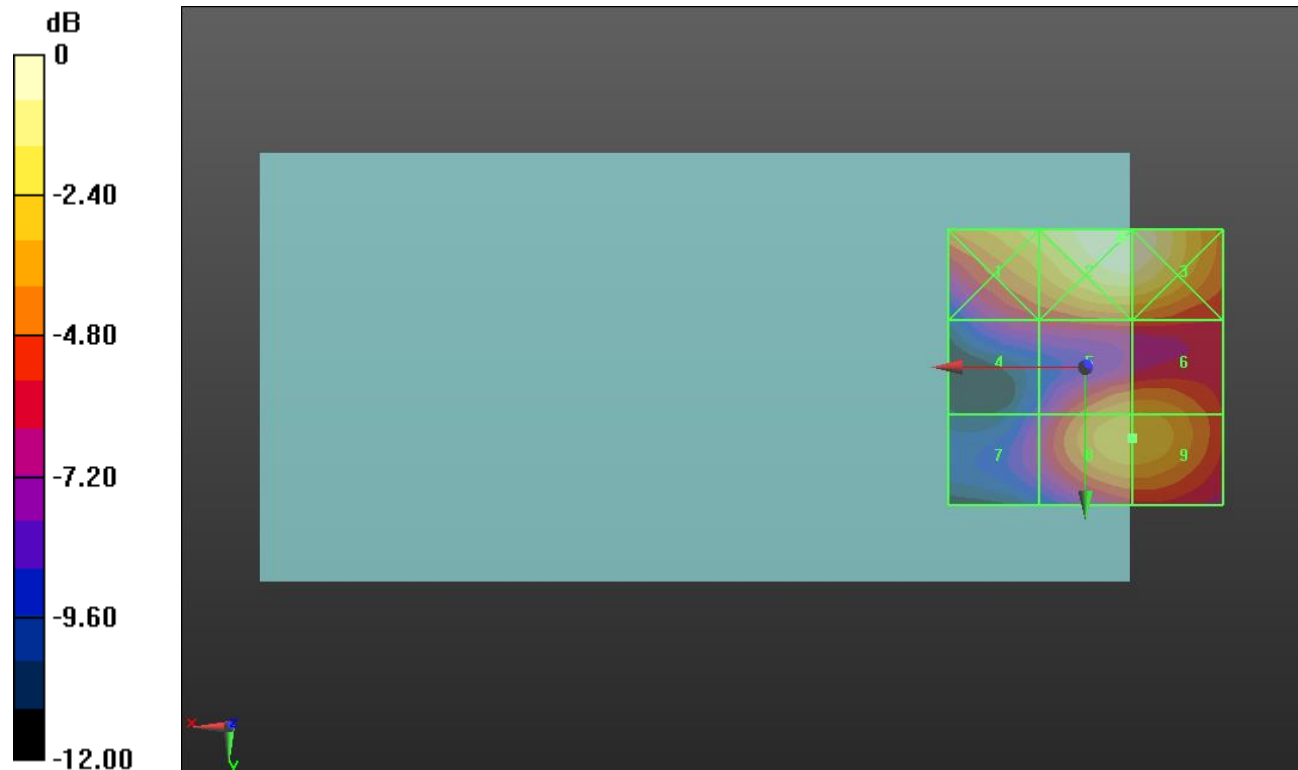
Applied MIF = -3.15 dB

RF audio interference level = 28.01 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 28.74 dBV/m	Grid 2 M3 30.47 dBV/m	Grid 3 M3 30.41 dBV/m
Grid 4 M4 24.53 dBV/m	Grid 5 M4 27.35 dBV/m	Grid 6 M4 27.36 dBV/m
Grid 7 M4 23.68 dBV/m	Grid 8 M4 28.01 dBV/m	Grid 9 M4 28.01 dBV/m



0 dB = 33.38 V/m = 30.47 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 = 17.70 V/m; Power Drift = -0.07 dB

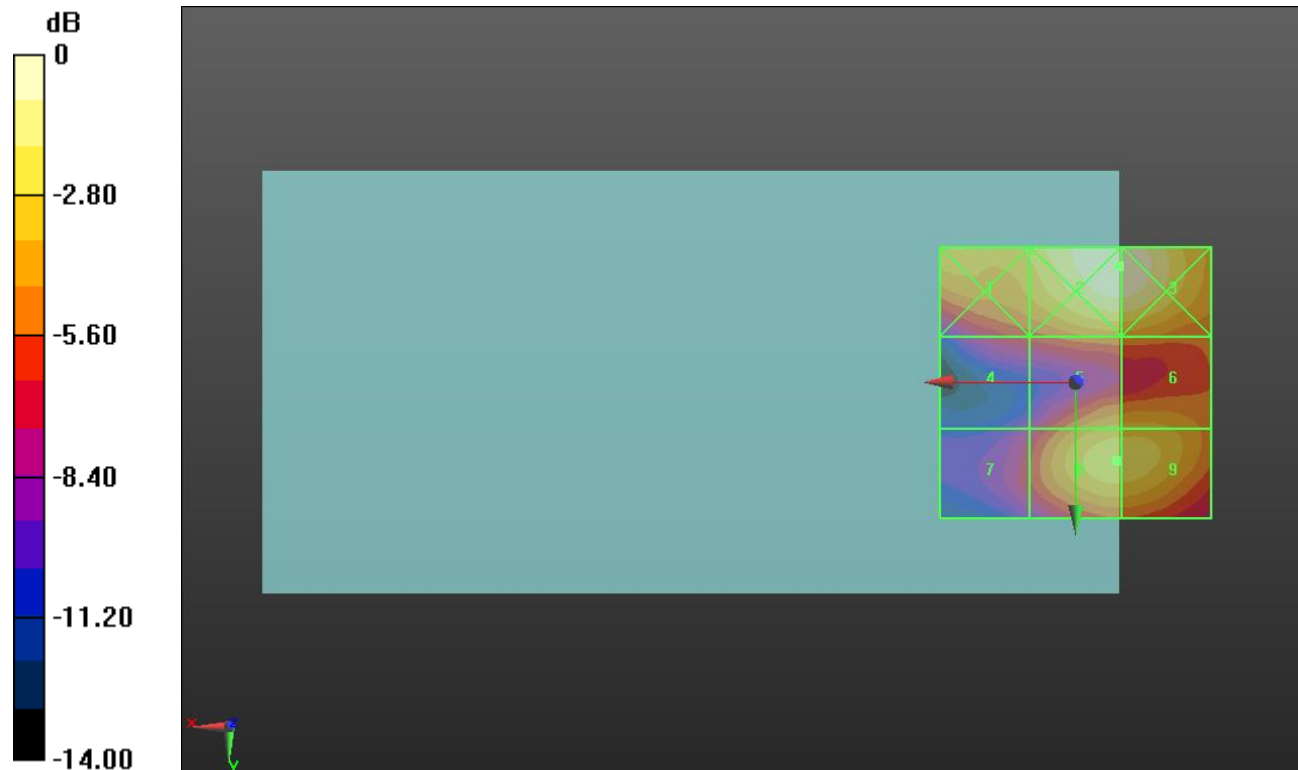
Applied MIF = -3.15 dB

RF audio interference level = 27.74 dBV/m

Emission category: **M4**

MIF scaled E-field

Grid 1 M4 27.35 dBV/m	Grid 2 M4 29.86 dBV/m	Grid 3 M4 29.85 dBV/m
Grid 4 M4 23.77 dBV/m	Grid 5 M4 26.54 dBV/m	Grid 6 M4 26.61 dBV/m
Grid 7 M4 23.32 dBV/m	Grid 8 M4 27.74 dBV/m	Grid 9 M4 27.73 dBV/m



0 dB = 31.13 V/m = 29.86 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 = 23.48 V/m; Power Drift = -0.02 dB

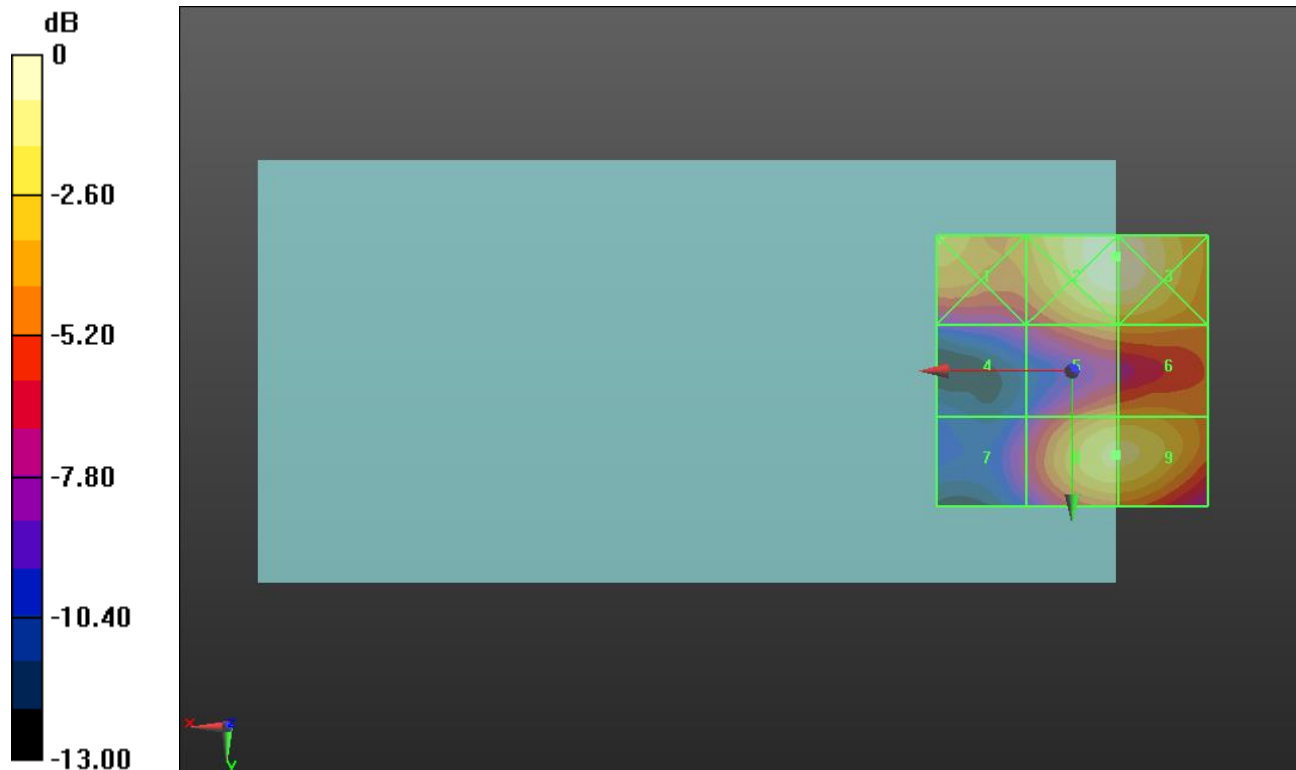
Applied MIF = -3.15 dB

RF audio interference level = 27.88 dBV/m

Emission category: **M4**

MIF scaled E-field

Grid 1 M4 27.13 dBV/m	Grid 2 M4 29.38 dBV/m	Grid 3 M4 29.37 dBV/m
Grid 4 M4 22.41 dBV/m	Grid 5 M4 25.92 dBV/m	Grid 6 M4 26.1 dBV/m
Grid 7 M4 22.33 dBV/m	Grid 8 M4 27.88 dBV/m	Grid 9 M4 27.88 dBV/m



0 dB = 29.46 V/m = 29.38 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 = 26.82 V/m; Power Drift = -0.18 dB

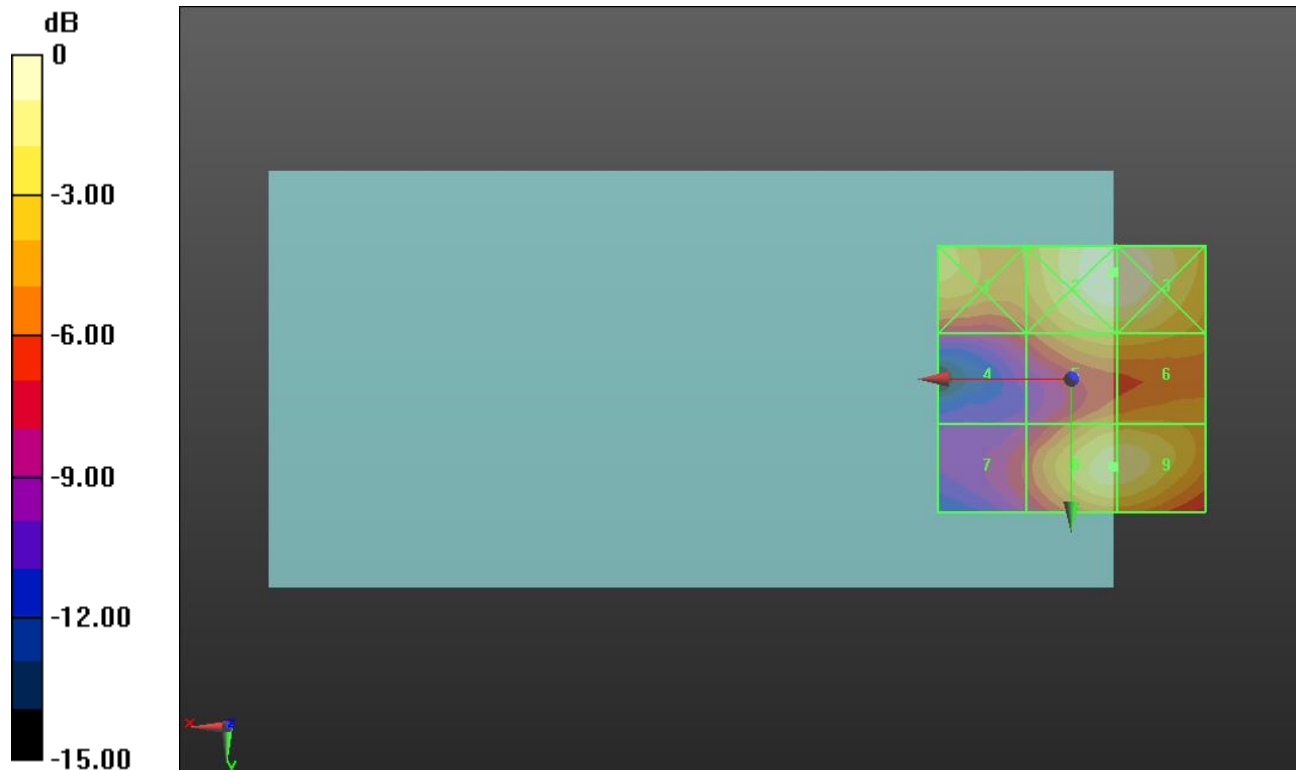
Applied MIF = -3.15 dB

RF audio interference level = 26.95 dBV/m

Emission category: **M4**

MIF scaled E-field

Grid 1 M4 26.16 dBV/m	Grid 2 M4 28.39 dBV/m	Grid 3 M4 28.39 dBV/m
Grid 4 M4 21.97 dBV/m	Grid 5 M4 25.46 dBV/m	Grid 6 M4 25.48 dBV/m
Grid 7 M4 21.78 dBV/m	Grid 8 M4 26.95 dBV/m	Grid 9 M4 26.94 dBV/m



0 dB = 26.28 V/m = 28.39 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 = 30.30 V/m; Power Drift = -0.14 dB

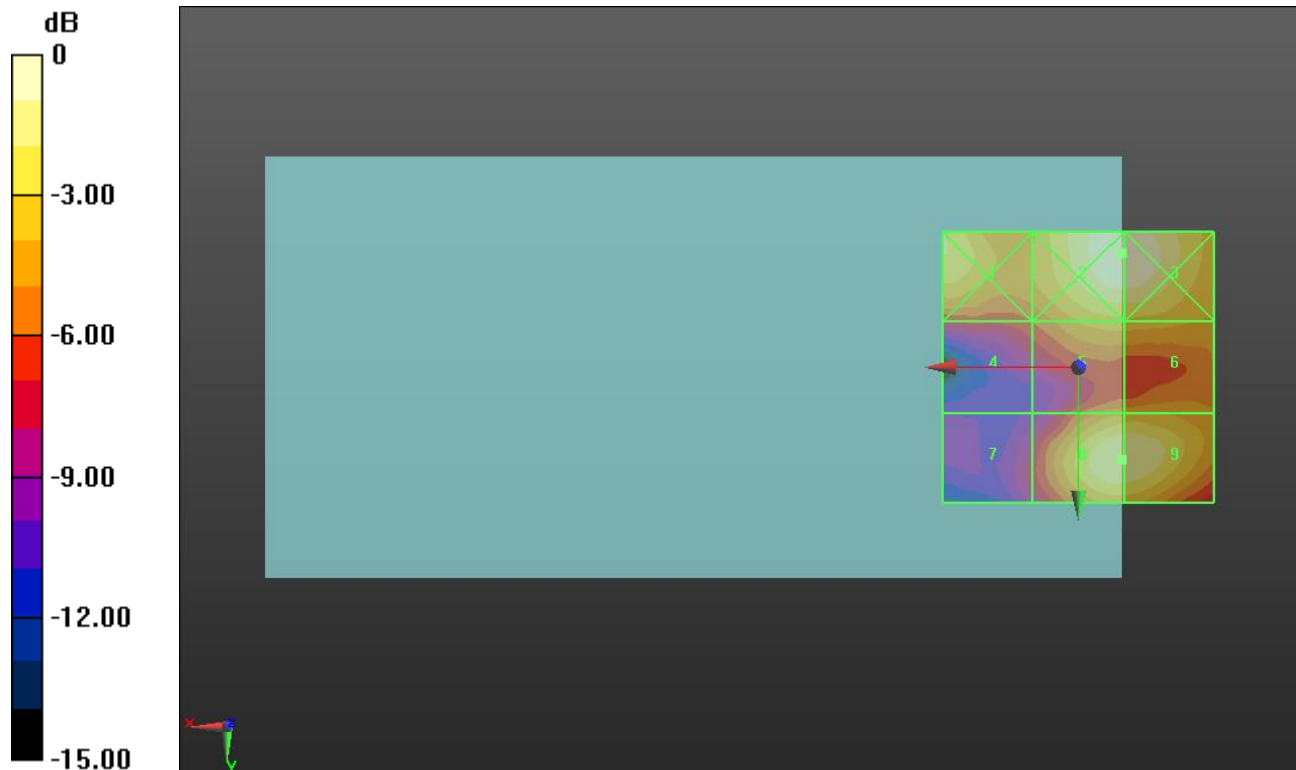
Applied MIF = -3.15 dB

RF audio interference level = 26.90 dBV/m

Emission category: **M4**

MIF scaled E-field

Grid 1 M4 26.1 dBV/m	Grid 2 M4 27.92 dBV/m	Grid 3 M4 27.92 dBV/m
Grid 4 M4 21.99 dBV/m	Grid 5 M4 24.65 dBV/m	Grid 6 M4 24.66 dBV/m
Grid 7 M4 20.51 dBV/m	Grid 8 M4 26.9 dBV/m	Grid 9 M4 26.9 dBV/m



0 dB = 24.88 V/m = 27.92 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 = 30.73 V/m; Power Drift = -0.08 dB

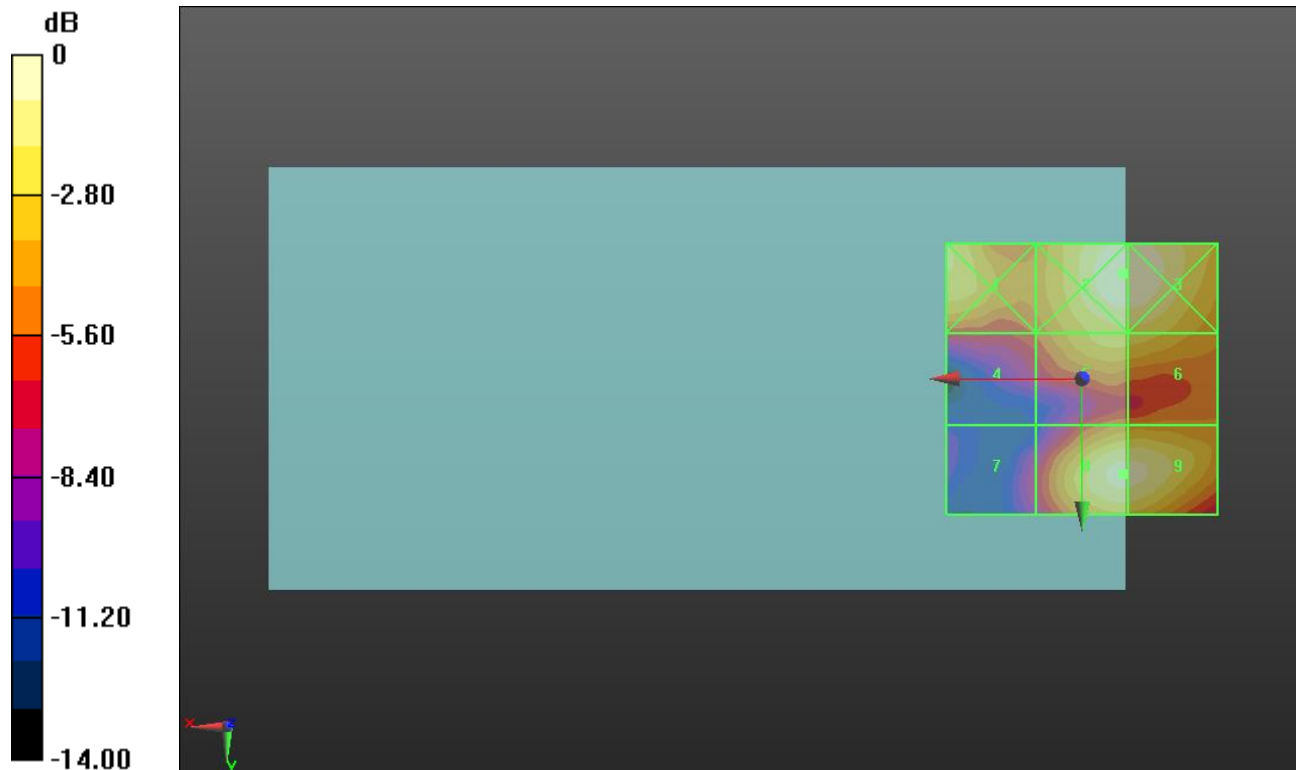
Applied MIF = -3.15 dB

RF audio interference level = 26.27 dBV/m

Emission category: **M4**

MIF scaled E-field

Grid 1 M4 25.25 dBV/m	Grid 2 M4 26.83 dBV/m	Grid 3 M4 26.8 dBV/m
Grid 4 M4 21.43 dBV/m	Grid 5 M4 24.71 dBV/m	Grid 6 M4 24.69 dBV/m
Grid 7 M4 19.63 dBV/m	Grid 8 M4 26.27 dBV/m	Grid 9 M4 26.25 dBV/m



0 dB = 21.95 V/m = 26.83 dBV/m