

HAC-RF Emission

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

Phantom section: RF Section

DASY5 Configuration:

- Probe: EF3DV3 - SN4041; ConvF(1, 1, 1); Calibrated: 3/22/2019;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1540; Calibrated: 2/18/2019
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.8 (7);SEMCAD X Version 14.6.10 (7164)

GSM850 E-Field measurement/Voice_ch 128/Hearing Aid Compatibility Test

(101x101x1): Interpolated grid: dx=0.5000 mm, dy=0.5000 mm

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 23.84 V/m; Power Drift = -0.03 dB

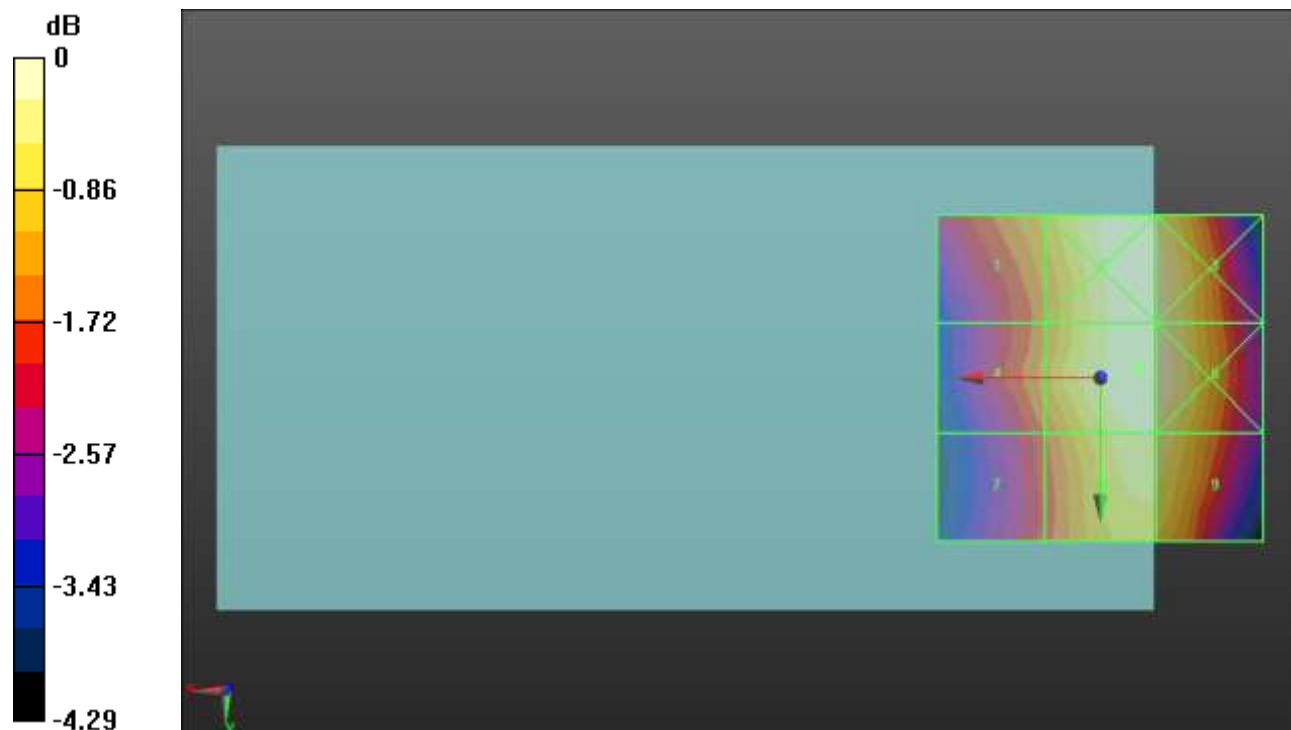
Applied MIF = 3.63 dB

RF audio interference level = 28.91 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 27.89 dBV/m	Grid 2 M4 28.83 dBV/m	Grid 3 M4 28.79 dBV/m
Grid 4 M4 27.64 dBV/m	Grid 5 M4 28.91 dBV/m	Grid 6 M4 28.87 dBV/m
Grid 7 M4 27.2 dBV/m	Grid 8 M4 28.63 dBV/m	Grid 9 M4 28.61 dBV/m



0 dB = 27.90 V/m = 28.91 dBV/m

HAC-RF Emission

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

Phantom section: RF Section

DASY5 Configuration:

- Probe: EF3DV3 - SN4041; ConvF(1, 1, 1); Calibrated: 3/22/2019;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1540; Calibrated: 2/18/2019
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.8 (7);SEMCAD X Version 14.6.10 (7164)

GSM850 E-Field measurement/Voice_ch 190/Hearing Aid Compatibility Test

(101x101x1): Interpolated grid: dx=0.5000 mm, dy=0.5000 mm

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 24.09 V/m; Power Drift = -0.04 dB

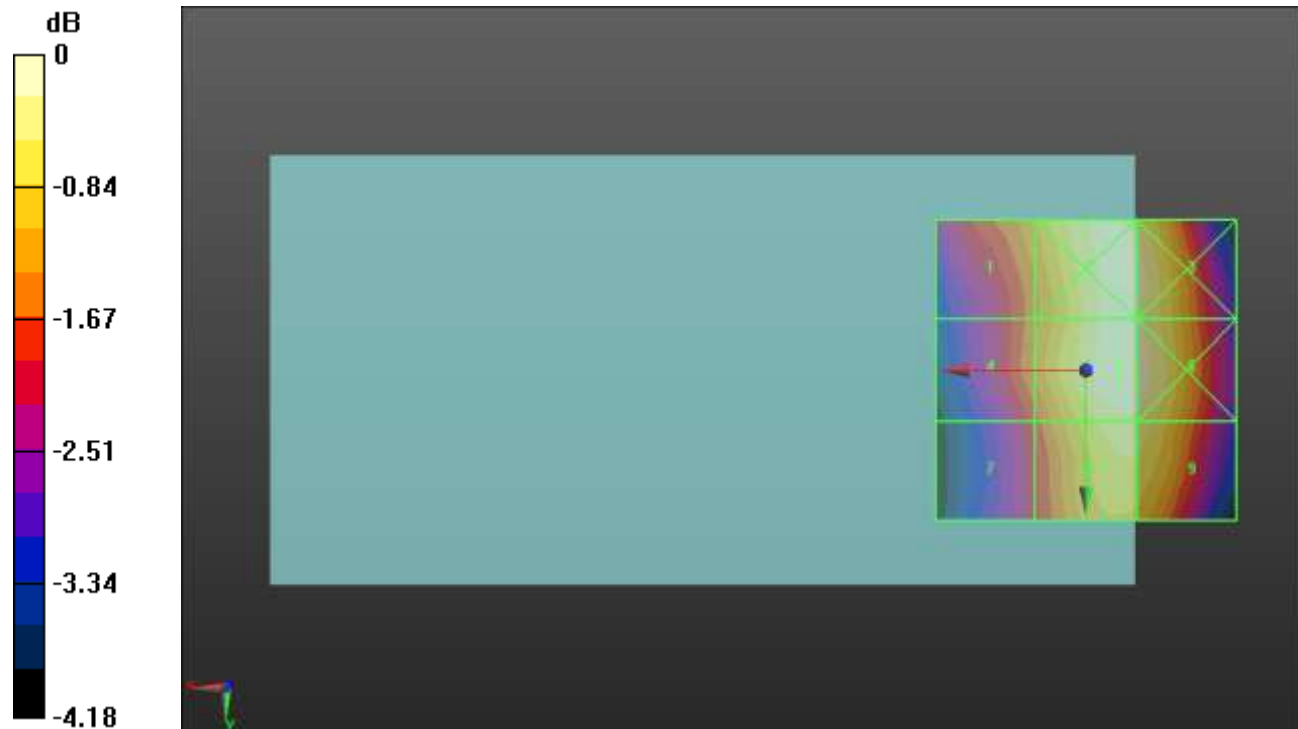
Applied MIF = 3.63 dB

RF audio interference level = 29.10 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 27.96 dBV/m	Grid 2 M4 28.99 dBV/m	Grid 3 M4 28.92 dBV/m
Grid 4 M4 27.77 dBV/m	Grid 5 M4 29.1 dBV/m	Grid 6 M4 28.99 dBV/m
Grid 7 M4 27.29 dBV/m	Grid 8 M4 28.76 dBV/m	Grid 9 M4 28.74 dBV/m



0 dB = 28.50 V/m = 29.10 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 Sn1540; Calibrated: 2/18/2019
- 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 = 27.79 V/m; Power Drift = -0.03 dB

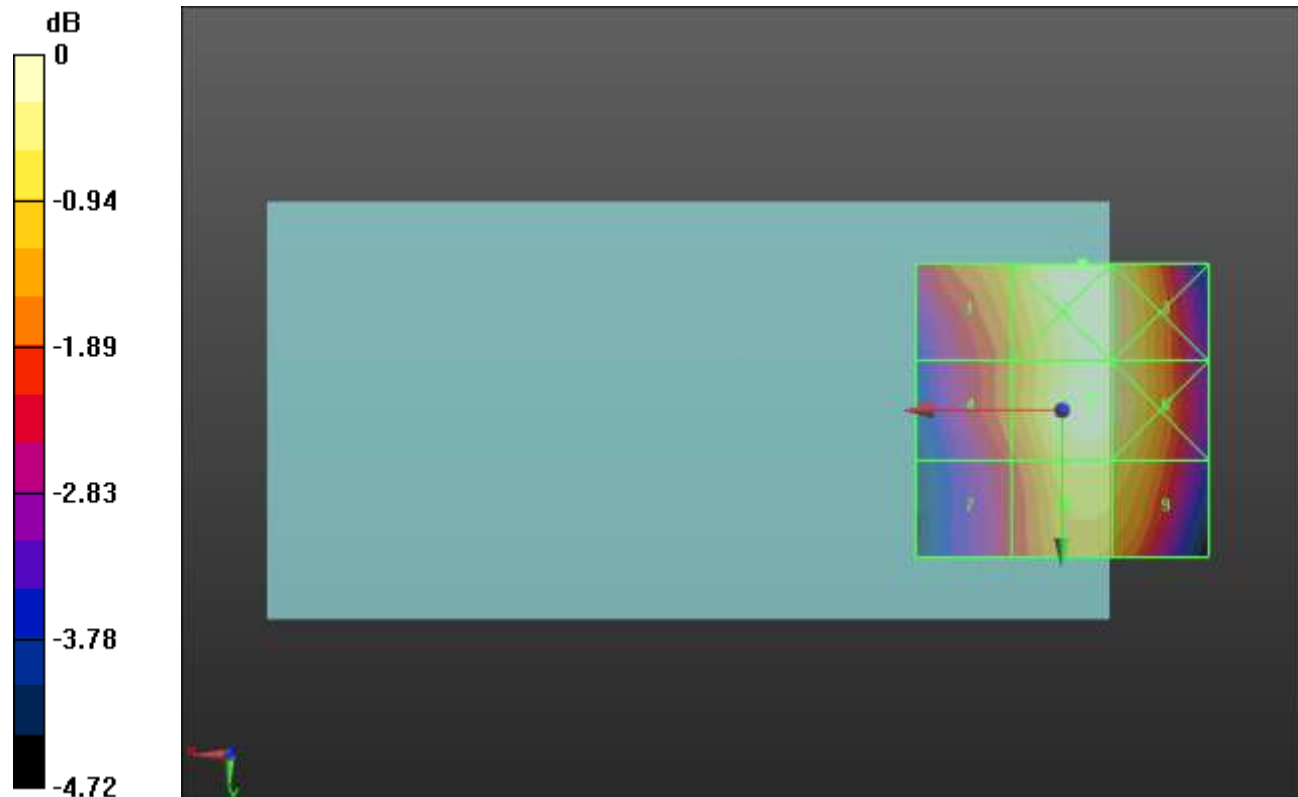
Applied MIF = 3.63 dB

RF audio interference level = 30.26 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 29.43 dBV/m	Grid 2 M4 30.41 dBV/m	Grid 3 M4 30.25 dBV/m
Grid 4 M4 28.93 dBV/m	Grid 5 M4 30.26 dBV/m	Grid 6 M4 30.22 dBV/m
Grid 7 M4 28.38 dBV/m	Grid 8 M4 29.86 dBV/m	Grid 9 M4 29.81 dBV/m



0 dB = 33.14 V/m = 30.41 dBV/m

HAC-RF Emission

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

Phantom section: RF Section

DASY5 Configuration:

- Probe: EF3DV3 - SN4041; ConvF(1, 1, 1); Calibrated: 3/22/2019;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1540; Calibrated: 2/18/2019
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.8 (7);SEMCAD X Version 14.6.10 (7164)

GSM1900 E-Field measurement/Voice_ch 512/Hearing Aid Compatibility Test

(101x101x1): Interpolated grid: dx=0.5000 mm, dy=0.5000 mm

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 13.42 V/m; Power Drift = 0.20 dB

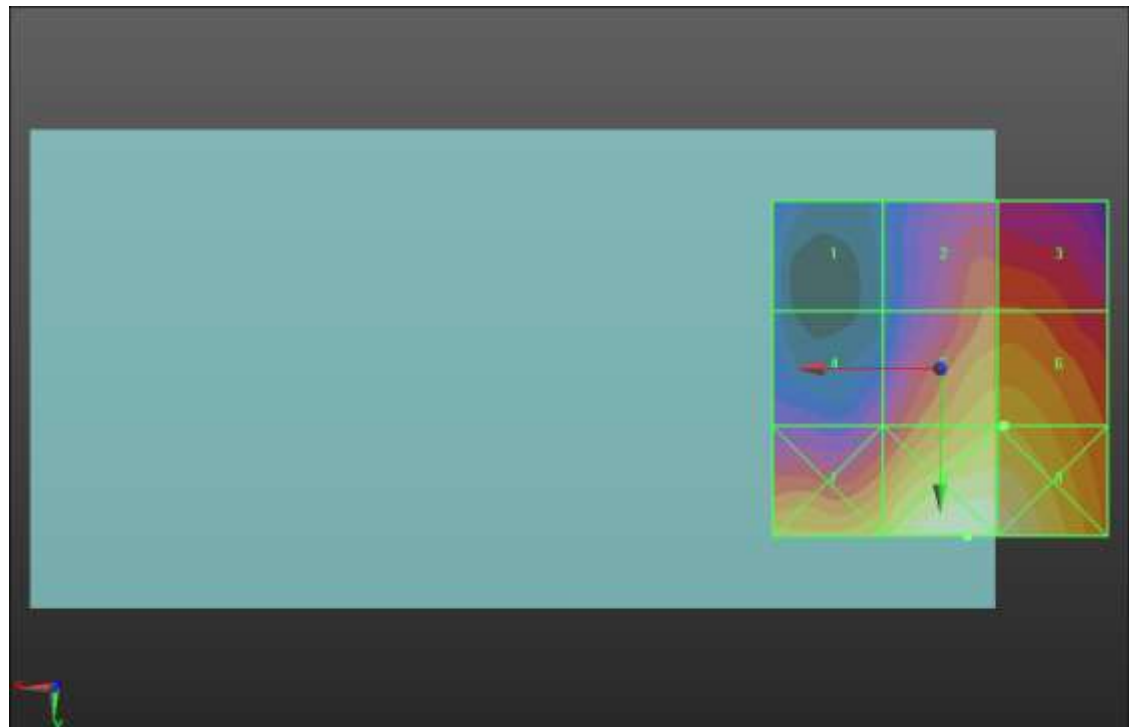
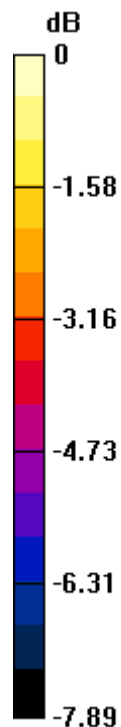
Applied MIF = 3.63 dB

RF audio interference level = 26.57 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 22.42 dBV/m	Grid 2 M4 25.07 dBV/m	Grid 3 M4 25.08 dBV/m
Grid 4 M4 23.73 dBV/m	Grid 5 M4 26.56 dBV/m	Grid 6 M4 26.57 dBV/m
Grid 7 M4 26.84 dBV/m	Grid 8 M4 28.15 dBV/m	Grid 9 M4 28.03 dBV/m



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

HAC-RF Emission

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

Phantom section: RF Section

DASY5 Configuration:

- Probe: EF3DV3 - SN4041; ConvF(1, 1, 1); Calibrated: 3/22/2019;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1540; Calibrated: 2/18/2019
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.8 (7);SEMCAD X Version 14.6.10 (7164)

GSM1900 E-Field measurement/Voice_ch 661/Hearing Aid Compatibility Test

(101x101x1): Interpolated grid: dx=0.5000 mm, dy=0.5000 mm

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 15.90 V/m; Power Drift = 0.14 dB

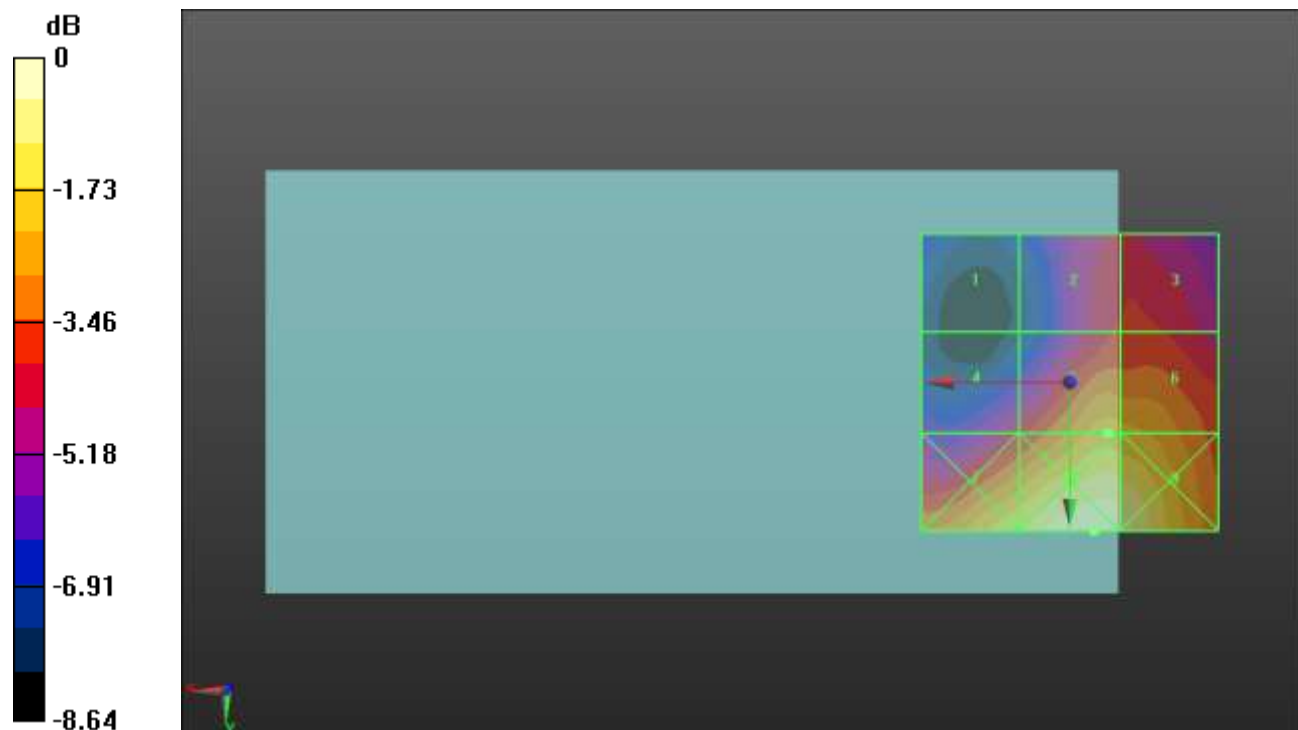
Applied MIF = 3.63 dB

RF audio interference level = 27.60 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 23.5 dBV/m	Grid 2 M4 25.69 dBV/m	Grid 3 M4 25.78 dBV/m
Grid 4 M4 25.37 dBV/m	Grid 5 M4 27.6 dBV/m	Grid 6 M4 27.49 dBV/m
Grid 7 M4 28.59 dBV/m	Grid 8 M4 29.61 dBV/m	Grid 9 M4 29.31 dBV/m



0 dB = 30.25 V/m = 29.61 dBV/m

HAC-RF Emission

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

Phantom section: RF Section

DASY5 Configuration:

- Probe: EF3DV3 - SN4041; ConvF(1, 1, 1); Calibrated: 3/22/2019;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1540; Calibrated: 2/18/2019
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

GSM1900 E-Field measurement/Voice_ch 810/Hearing Aid Compatibility Test

(101x101x1): Interpolated grid: dx=0.5000 mm, dy=0.5000 mm

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 14.93 V/m; Power Drift = 2.22 dB

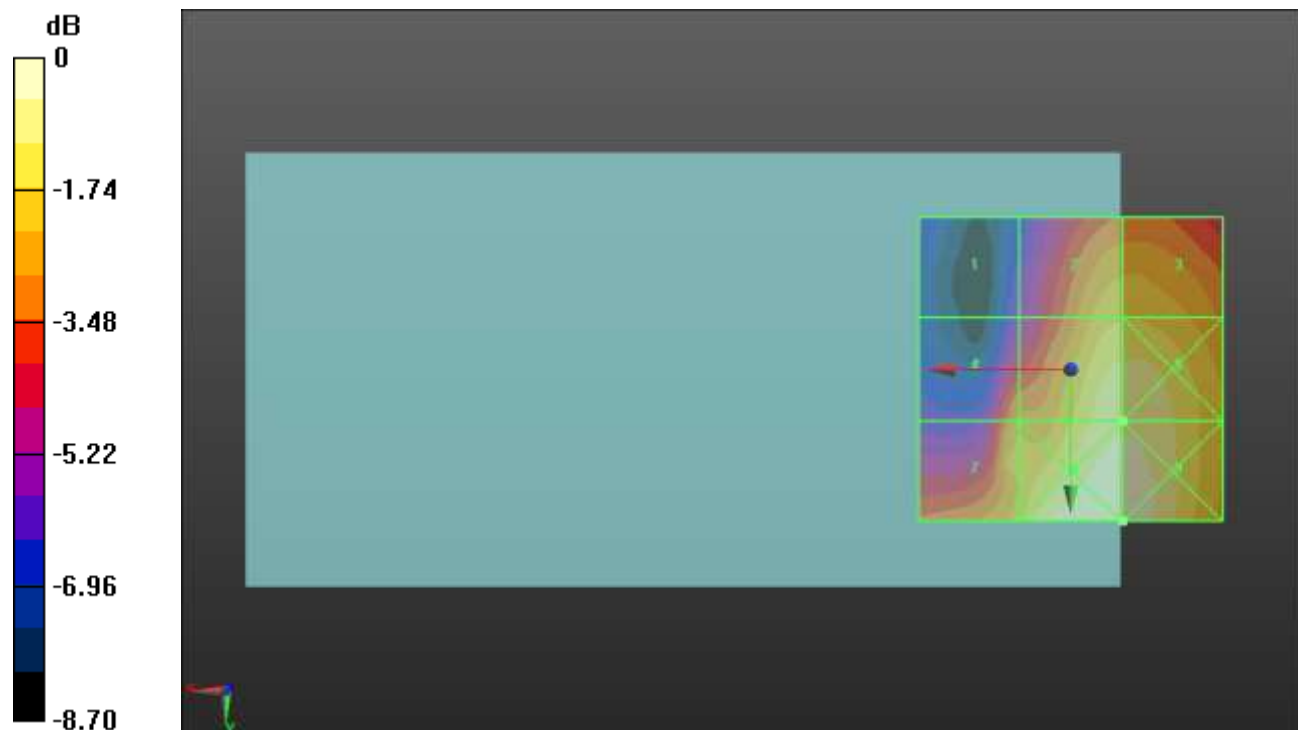
Applied MIF = 3.63 dB

RF audio interference level = 29.15 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 24.34 dBV/m	Grid 2 M4 28.03 dBV/m	Grid 3 M4 28.06 dBV/m
Grid 4 M4 27.14 dBV/m	Grid 5 M4 29.15 dBV/m	Grid 6 M4 29.16 dBV/m
Grid 7 M4 27.94 dBV/m	Grid 8 M4 29.81 dBV/m	Grid 9 M4 29.81 dBV/m



0 dB = 30.95 V/m = 29.81 dBV/m

HAC-RF Emission

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

Phantom section: RF Section

DASY5 Configuration:

- Probe: EF3DV3 - SN4041; ConvF(1, 1, 1); Calibrated: 3/22/2019;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1540; Calibrated: 2/18/2019
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

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 = 16.91 V/m; Power Drift = -0.76 dB

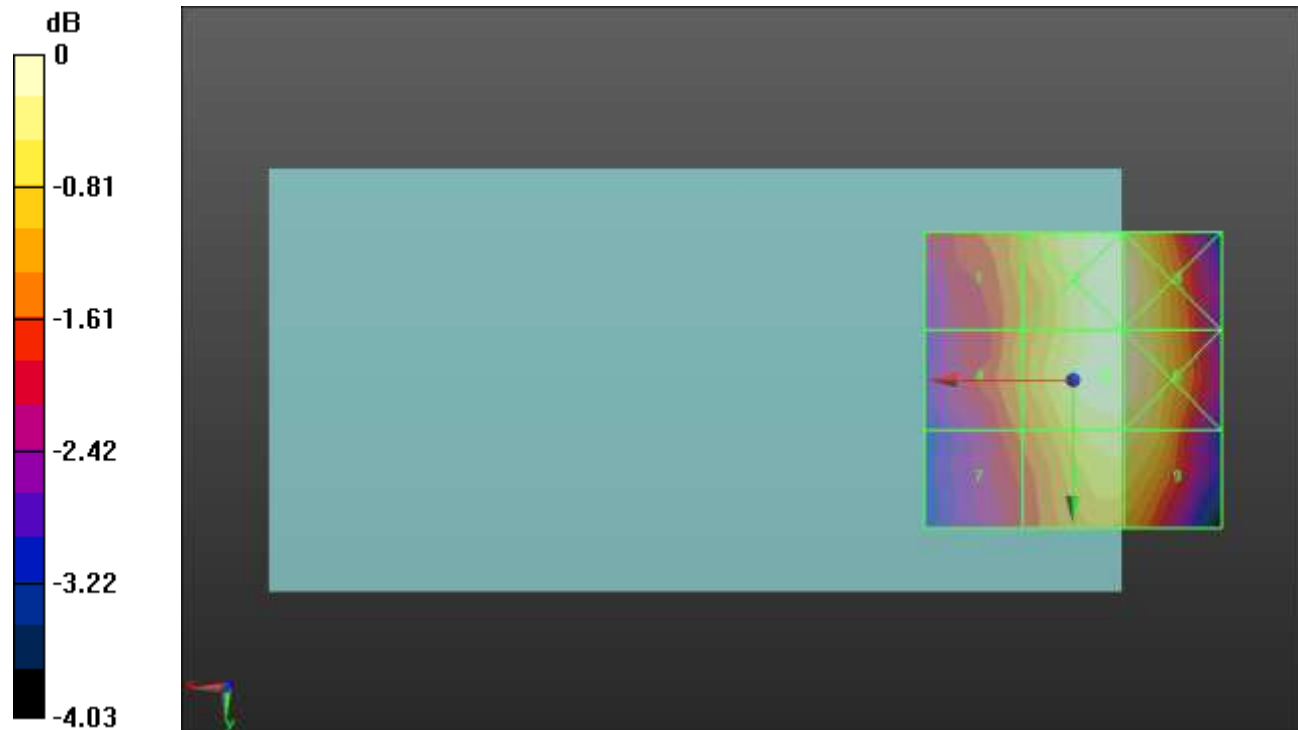
Applied MIF = 3.26 dB

RF audio interference level = 25.60 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 24.47 dBV/m	Grid 2 M4 25.52 dBV/m	Grid 3 M4 25.5 dBV/m
Grid 4 M4 24.43 dBV/m	Grid 5 M4 25.6 dBV/m	Grid 6 M4 25.52 dBV/m
Grid 7 M4 24.11 dBV/m	Grid 8 M4 25.24 dBV/m	Grid 9 M4 25.22 dBV/m



0 dB = 19.05 V/m = 25.60 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 Sn1540; Calibrated: 2/18/2019
- 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 = 21.07 V/m; Power Drift = -0.47 dB

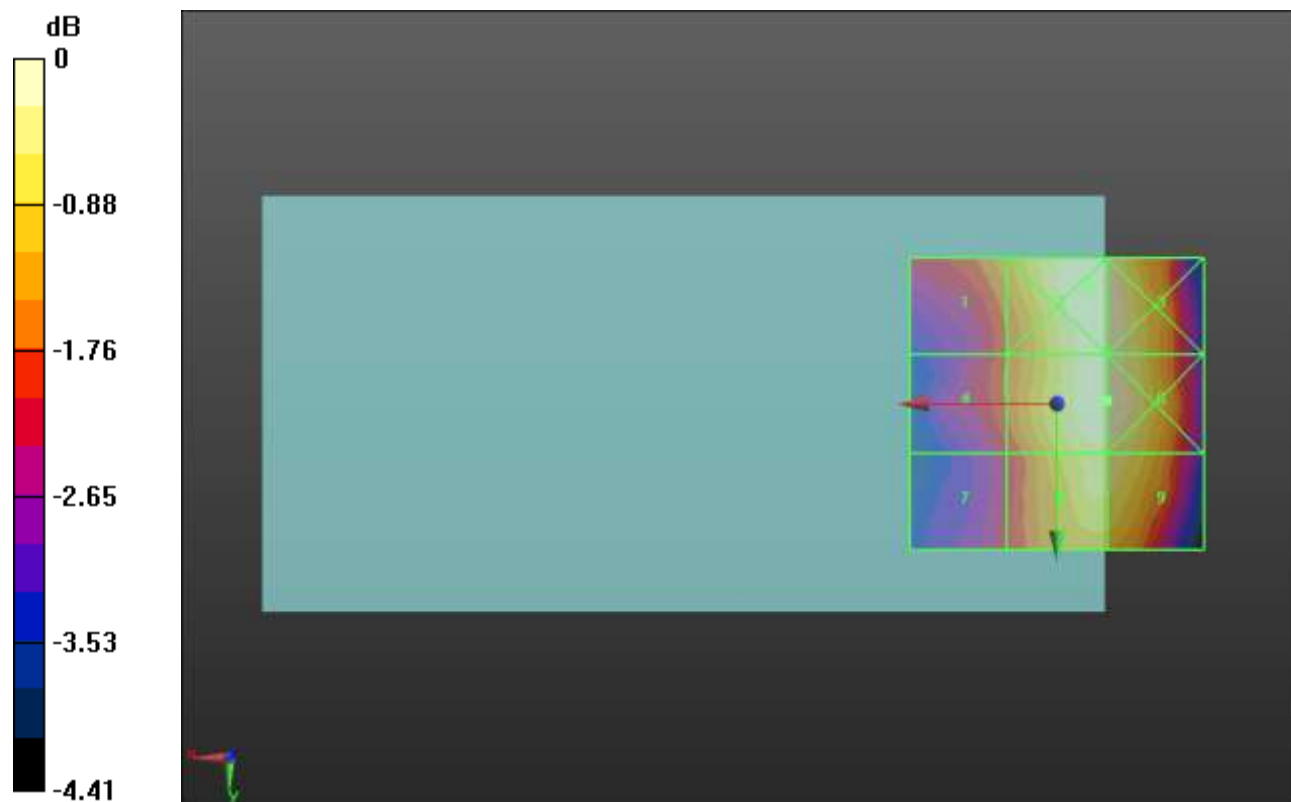
Applied MIF = 3.26 dB

RF audio interference level = 27.44 dBV/m

Emission category: **M4**

MIF scaled E-field

Grid 1 M4 26.26 dBV/m	Grid 2 M4 27.47 dBV/m	Grid 3 M4 27.42 dBV/m
Grid 4 M4 25.79 dBV/m	Grid 5 M4 27.44 dBV/m	Grid 6 M4 27.44 dBV/m
Grid 7 M4 25.35 dBV/m	Grid 8 M4 27.1 dBV/m	Grid 9 M4 27.1 dBV/m



0 dB = 23.62 V/m = 27.47 dBV/m

HAC-RF Emission

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

Phantom section: RF Section

DASY5 Configuration:

- Probe: EF3DV3 - SN4041; ConvF(1, 1, 1); Calibrated: 3/22/2019;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1540; Calibrated: 2/18/2019
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

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 = 24.78 V/m; Power Drift = -0.19 dB

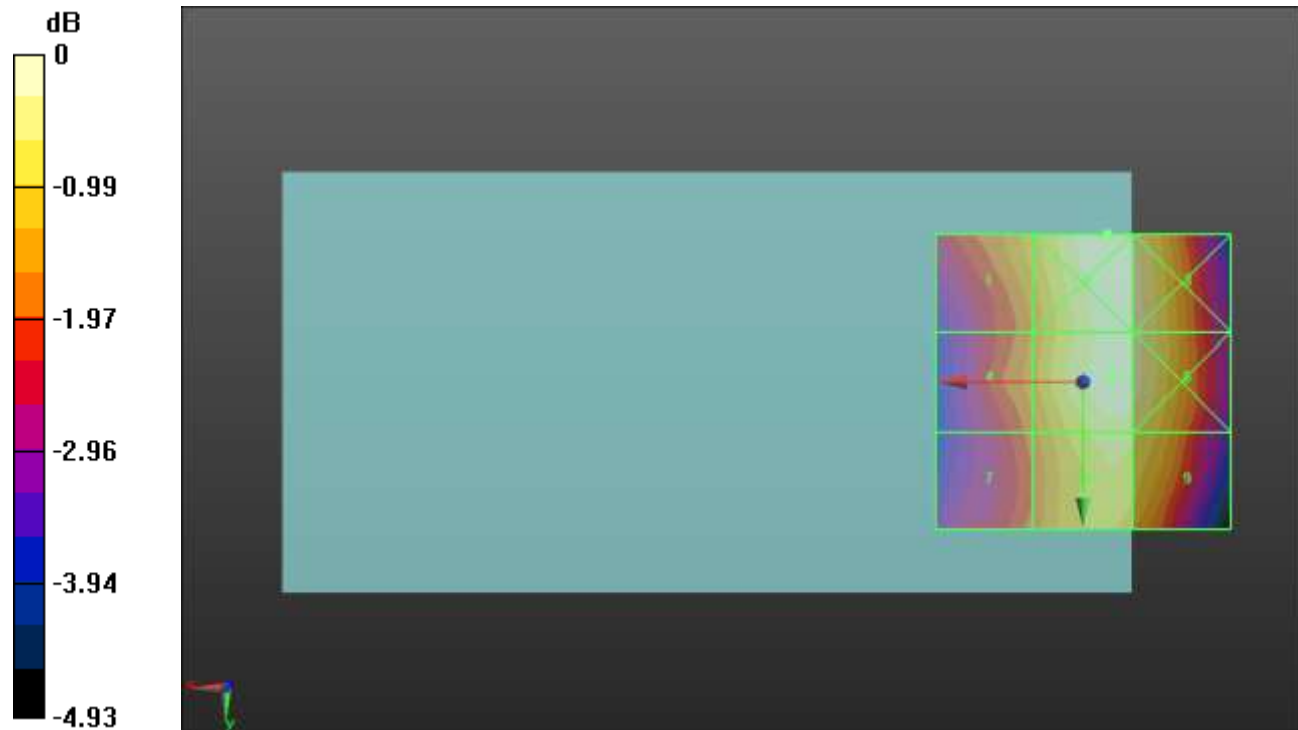
Applied MIF = 3.26 dB

RF audio interference level = 28.40 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 27.43 dBV/m	Grid 2 M4 28.52 dBV/m	Grid 3 M4 28.34 dBV/m
Grid 4 M4 27.09 dBV/m	Grid 5 M4 28.4 dBV/m	Grid 6 M4 28.33 dBV/m
Grid 7 M4 26.75 dBV/m	Grid 8 M4 28.04 dBV/m	Grid 9 M4 27.95 dBV/m



0 dB = 26.66 V/m = 28.52 dBV/m

HAC-RF Emission

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

Phantom section: RF Section

DASY5 Configuration:

- Probe: EF3DV3 - SN4041; ConvF(1, 1, 1); Calibrated: 3/22/2019;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1540; Calibrated: 2/18/2019
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.8 (7);SEMCAD X Version 14.6.10 (7164)

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 = 12.13 V/m; Power Drift = 0.33 dB

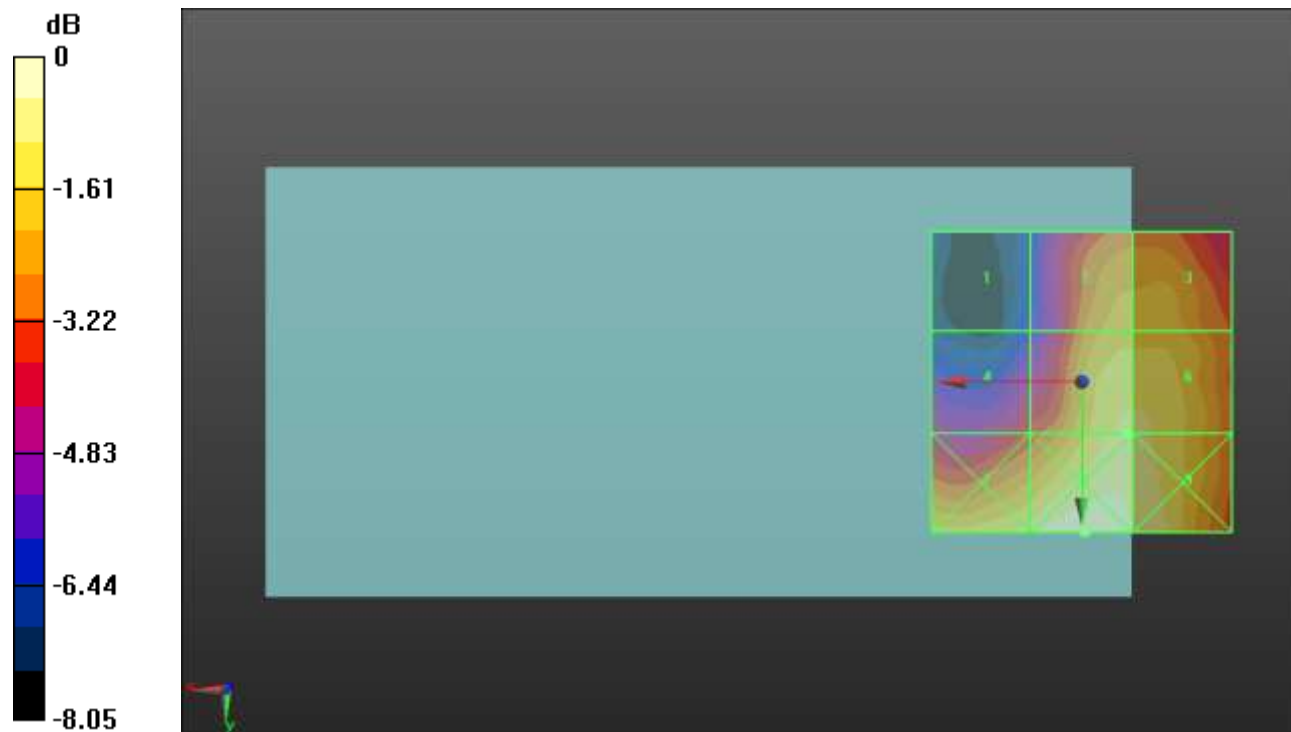
Applied MIF = 3.26 dB

RF audio interference level = 24.28 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 19.55 dBV/m	Grid 2 M4 23.48 dBV/m	Grid 3 M4 23.5 dBV/m
Grid 4 M4 21.71 dBV/m	Grid 5 M4 24.28 dBV/m	Grid 6 M4 24.27 dBV/m
Grid 7 M4 24.53 dBV/m	Grid 8 M4 25.26 dBV/m	Grid 9 M4 24.83 dBV/m



0 dB = 18.32 V/m = 25.26 dBV/m

HAC-RF Emission

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

Phantom section: RF Section

DASY5 Configuration:

- Probe: EF3DV3 - SN4041; ConvF(1, 1, 1); Calibrated: 3/22/2019;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1540; Calibrated: 2/18/2019
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

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 = 13.85 V/m; Power Drift = -0.31 dB

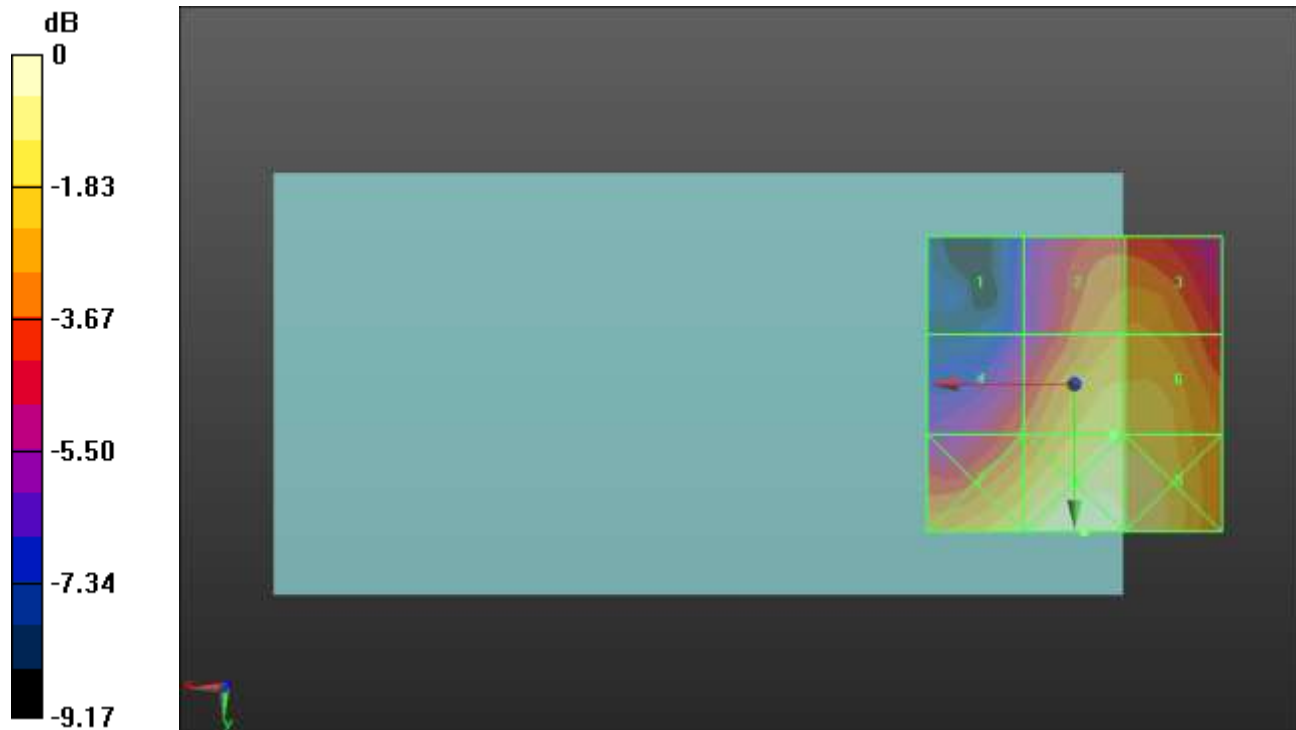
Applied MIF = 3.26 dB

RF audio interference level = 24.59 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 19.95 dBV/m	Grid 2 M4 23.52 dBV/m	Grid 3 M4 23.59 dBV/m
Grid 4 M4 22.49 dBV/m	Grid 5 M4 24.59 dBV/m	Grid 6 M4 24.56 dBV/m
Grid 7 M4 25.06 dBV/m	Grid 8 M4 25.88 dBV/m	Grid 9 M4 25.46 dBV/m



0 dB = 19.67 V/m = 25.88 dBV/m

HAC-RF Emission

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

Phantom section: RF Section

DASY5 Configuration:

- Probe: EF3DV3 - SN4041; ConvF(1, 1, 1); Calibrated: 3/22/2019;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1540; Calibrated: 2/18/2019
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

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 = 12.73 V/m; Power Drift = 0.03 dB

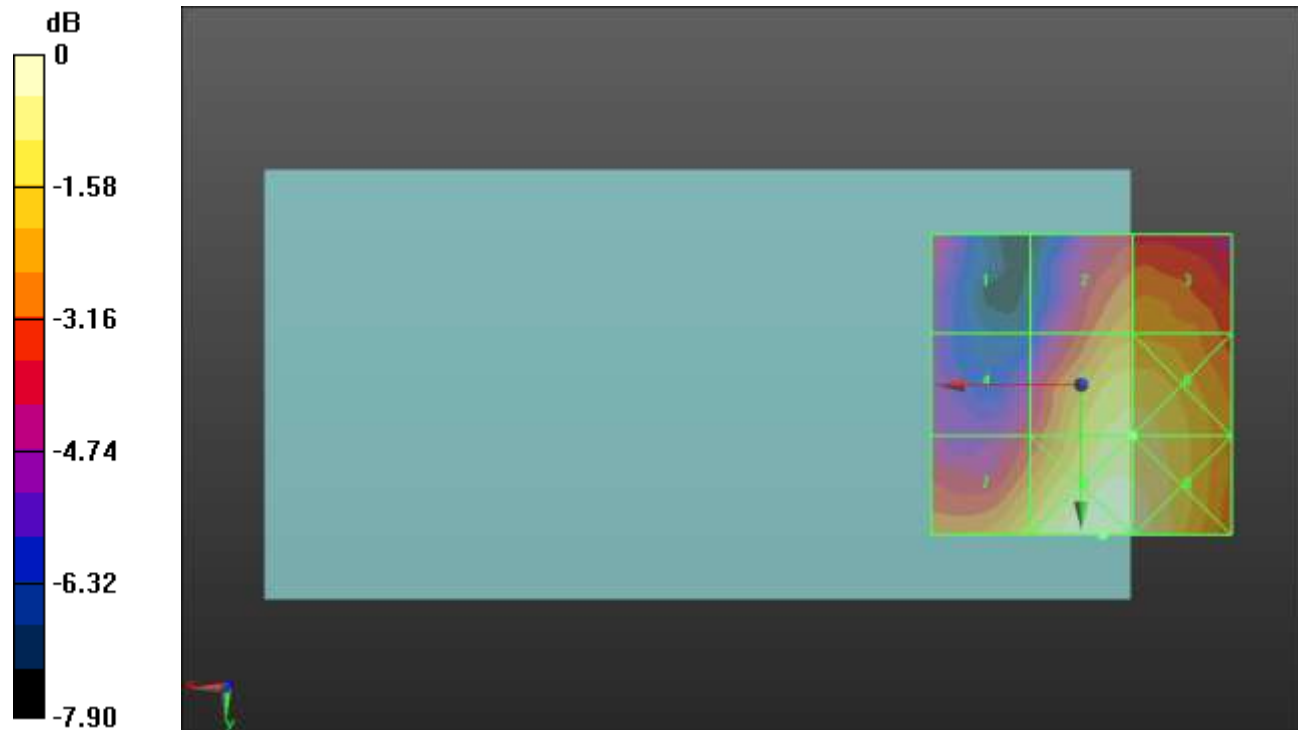
Applied MIF = 3.26 dB

RF audio interference level = 24.69 dBV/m

Emission category: **M4**

MIF scaled E-field

Grid 1 M4 21.49 dBV/m	Grid 2 M4 23.24 dBV/m	Grid 3 M4 23.3 dBV/m
Grid 4 M4 21.83 dBV/m	Grid 5 M4 24.69 dBV/m	Grid 6 M4 24.69 dBV/m
Grid 7 M4 24.21 dBV/m	Grid 8 M4 25.46 dBV/m	Grid 9 M4 25.3 dBV/m



0 dB = 18.76 V/m = 25.46 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); Calibrated: 3/22/2019;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1540; Calibrated: 2/18/2019
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

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 = 24.93 V/m; Power Drift = 0.19 dB

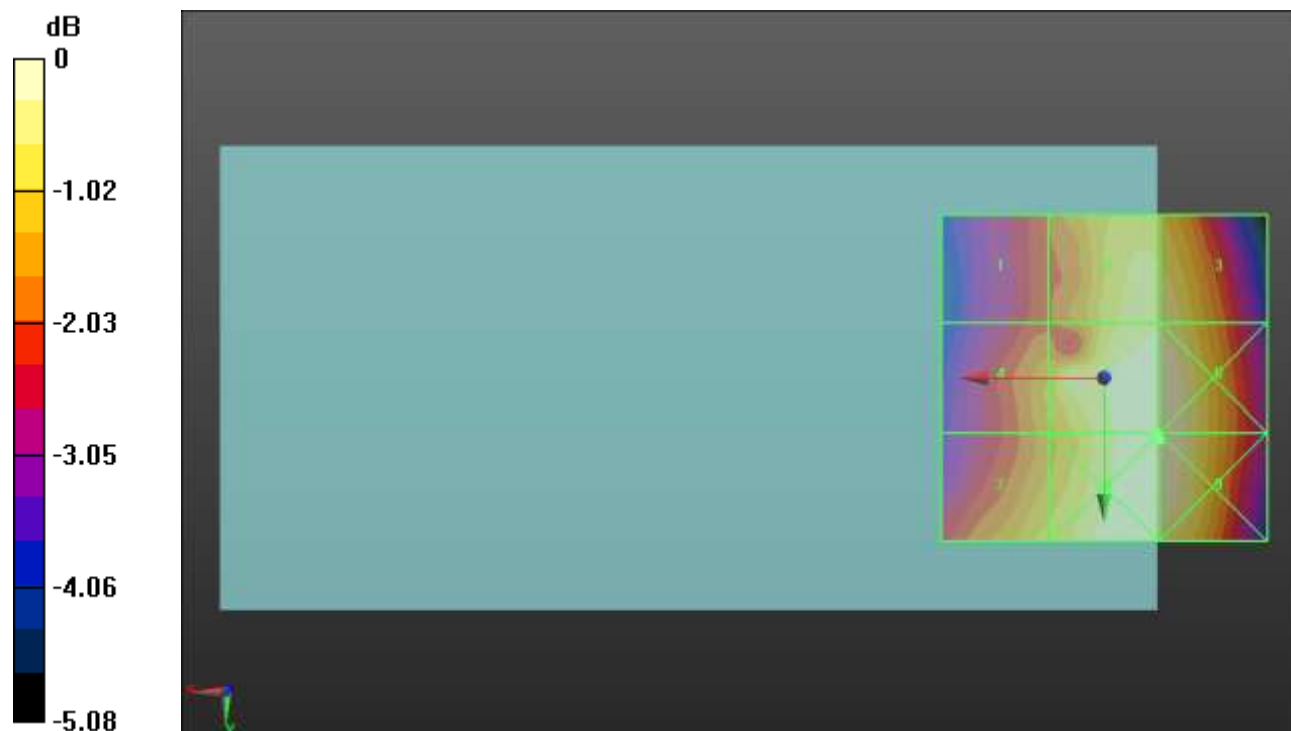
Applied MIF = 3.26 dB

RF audio interference level = 29.05 dBV/m

Emission category: **M4**

MIF scaled E-field

Grid 1 M4 27.09 dBV/m	Grid 2 M4 28.7 dBV/m	Grid 3 M4 28.7 dBV/m
Grid 4 M4 27.83 dBV/m	Grid 5 M4 29.05 dBV/m	Grid 6 M4 29.05 dBV/m
Grid 7 M4 28.21 dBV/m	Grid 8 M4 29.06 dBV/m	Grid 9 M4 29.06 dBV/m



0 dB = 28.38 V/m = 29.06 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); Calibrated: 3/22/2019;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1540; Calibrated: 2/18/2019
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

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 = 23.52 V/m; Power Drift = 0.37 dB

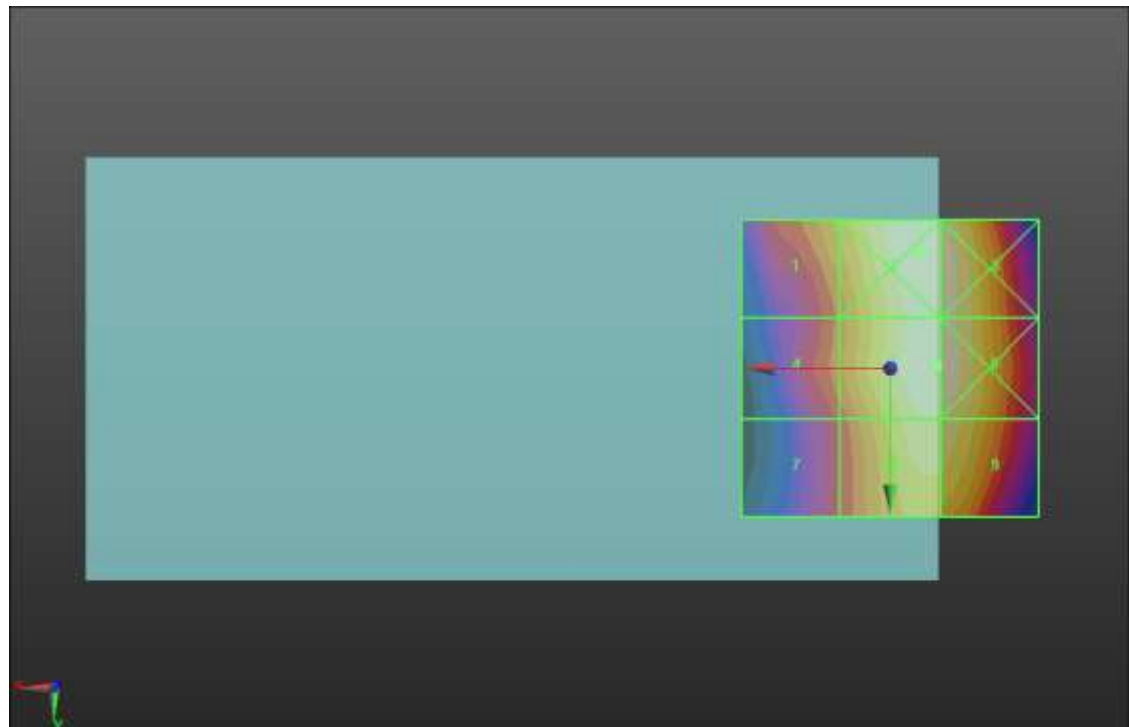
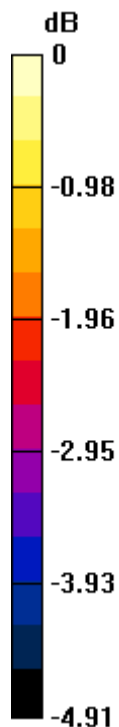
Applied MIF = 3.26 dB

RF audio interference level = 28.93 dBV/m

Emission category: **M4**

MIF scaled E-field

Grid 1 M4 27.8 dBV/m	Grid 2 M4 28.97 dBV/m	Grid 3 M4 28.9 dBV/m
Grid 4 M4 27.28 dBV/m	Grid 5 M4 28.93 dBV/m	Grid 6 M4 28.93 dBV/m
Grid 7 M4 26.78 dBV/m	Grid 8 M4 28.65 dBV/m	Grid 9 M4 28.63 dBV/m



0 dB = 28.10 V/m = 28.97 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); Calibrated: 3/22/2019;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1540; Calibrated: 2/18/2019
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

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 = 25.46 V/m; Power Drift = -0.14 dB

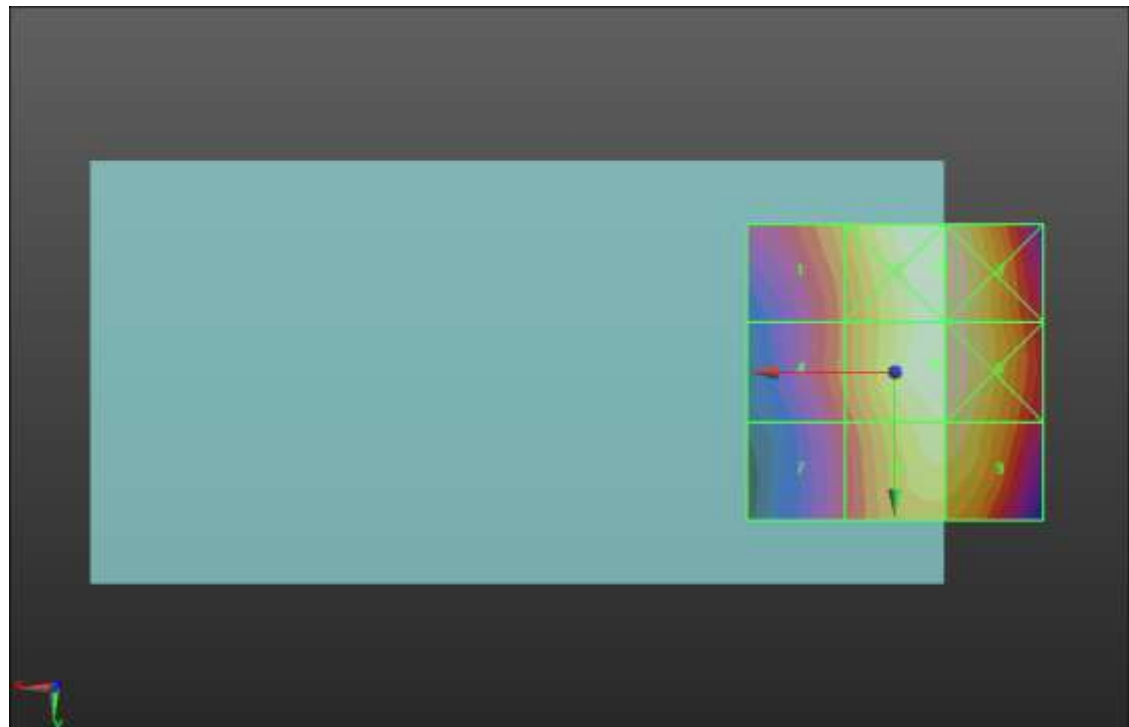
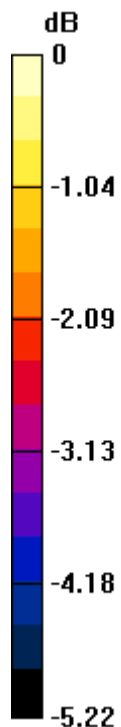
Applied MIF = 3.26 dB

RF audio interference level = 29.20 dBV/m

Emission category: **M4**

MIF scaled E-field

Grid 1 M4 27.85 dBV/m	Grid 2 M4 29.25 dBV/m	Grid 3 M4 29.24 dBV/m
Grid 4 M4 27.36 dBV/m	Grid 5 M4 29.2 dBV/m	Grid 6 M4 29.18 dBV/m
Grid 7 M4 26.86 dBV/m	Grid 8 M4 28.88 dBV/m	Grid 9 M4 28.88 dBV/m



0 dB = 29.00 V/m = 29.25 dBV/m

HAC-RF Emission

Communication System: UID 10173 - CAC, LTE-TDD (SC-FDMA, 1 RB, 20 MHz, 16-QAM); Frequency: 2506 MHz; Duty Cycle: 1:8.87156

Phantom section: RF Section

DASY5 Configuration:

- Probe: EF3DV3 - SN4041; ConvF(1, 1, 1); Calibrated: 3/22/2019;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1540; Calibrated: 2/18/2019
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

LTE Band 41 E-Field measurement/LTE TDD_16QAM_RB 1/49_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 = 21.50 V/m; Power Drift = -0.39 dB

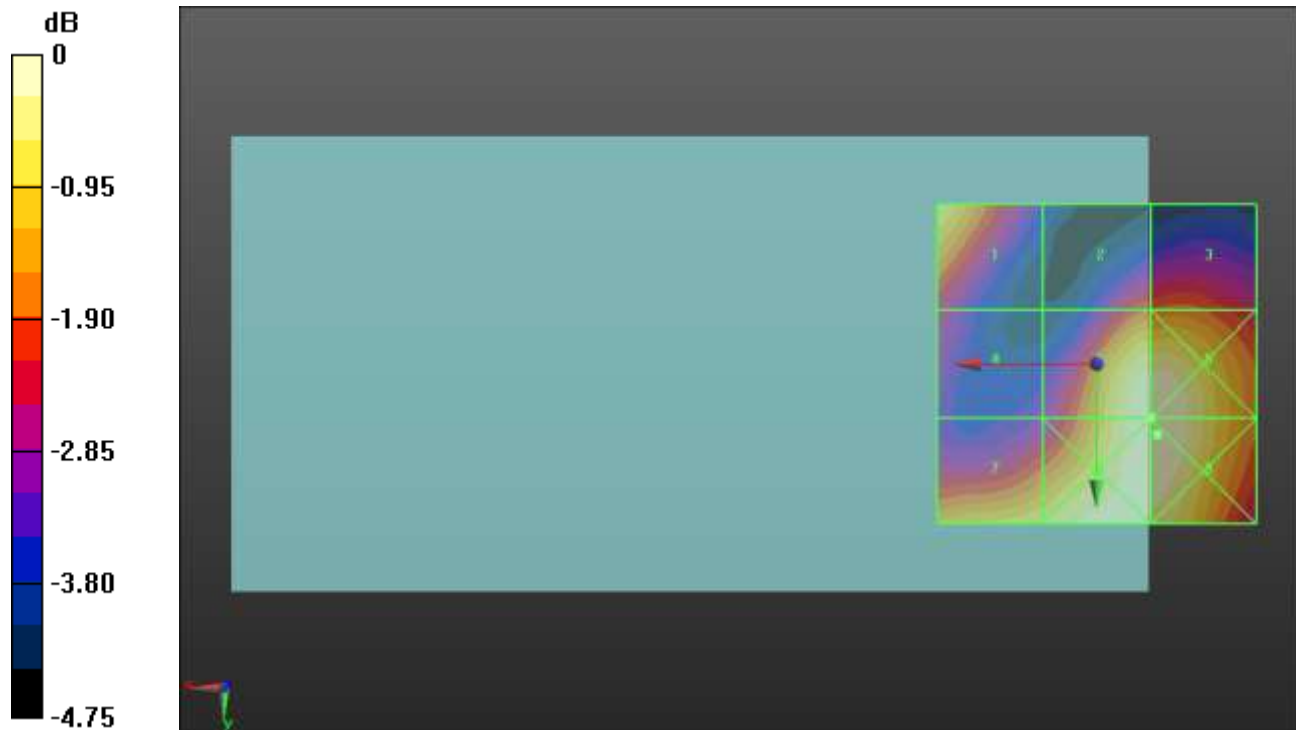
Applied MIF = -1.44 dB

RF audio interference level = 23.12 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 22.62 dBV/m	Grid 2 M4 21.28 dBV/m	Grid 3 M4 21.42 dBV/m
Grid 4 M4 20.75 dBV/m	Grid 5 M4 23.12 dBV/m	Grid 6 M4 23.13 dBV/m
Grid 7 M4 22.59 dBV/m	Grid 8 M4 23.14 dBV/m	Grid 9 M4 23.15 dBV/m



0 dB = 14.37 V/m = 23.15 dBV/m

HAC-RF Emission

Communication System: UID 10173 - CAC, LTE-TDD (SC-FDMA, 1 RB, 20 MHz, 16-QAM); Frequency: 2549.5 MHz; Duty Cycle: 1:8.87156

Phantom section: RF Section

DASY5 Configuration:

- Probe: EF3DV3 - SN4041; ConvF(1, 1, 1); Calibrated: 3/22/2019;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1540; Calibrated: 2/18/2019
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

LTE Band 41 E-Field measurement/LTE TDD_16QAM_RB 1/49_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 = 19.58 V/m; Power Drift = -0.02 dB

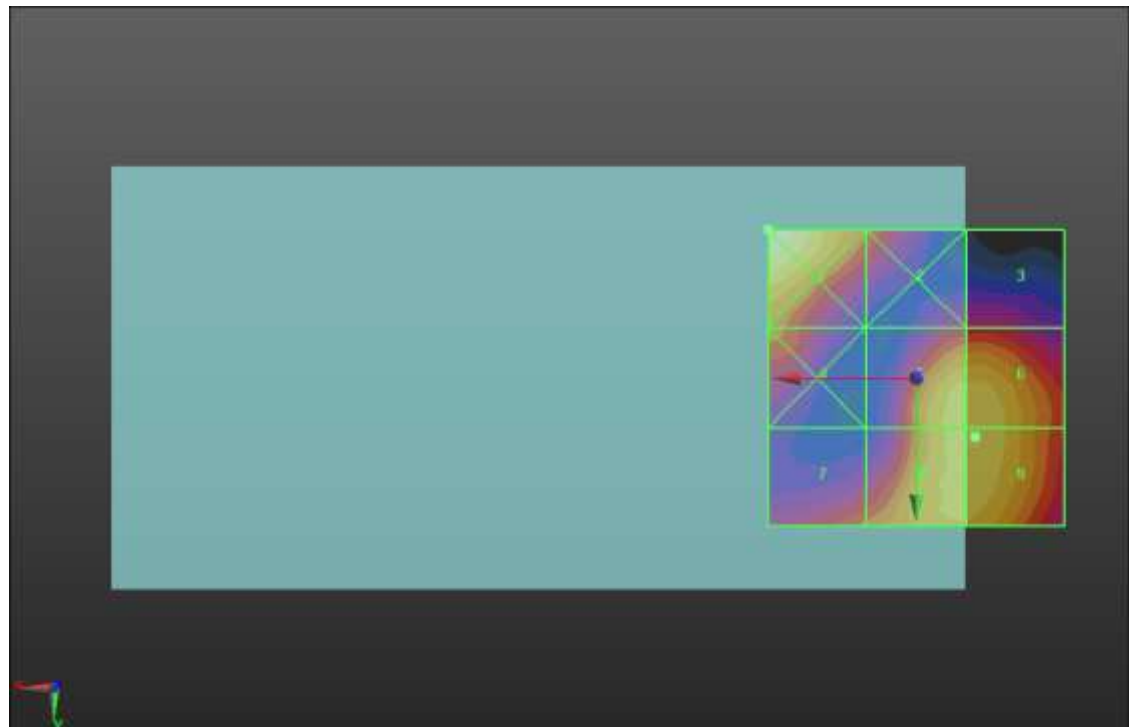
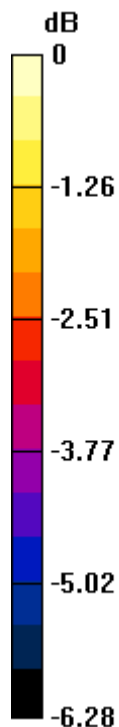
Applied MIF = -1.44 dB

RF audio interference level = 22.57 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 23.38 dBV/m	Grid 2 M4 21.08 dBV/m	Grid 3 M4 20.16 dBV/m
Grid 4 M4 21.24 dBV/m	Grid 5 M4 22.52 dBV/m	Grid 6 M4 22.56 dBV/m
Grid 7 M4 21.04 dBV/m	Grid 8 M4 22.53 dBV/m	Grid 9 M4 22.57 dBV/m



0 dB = 14.75 V/m = 23.38 dBV/m

HAC-RF Emission

Communication System: UID 10173 - CAC, LTE-TDD (SC-FDMA, 1 RB, 20 MHz, 16-QAM); Frequency: 2593 MHz; Duty Cycle: 1:8.87156

Phantom section: RF Section

DASY5 Configuration:

- Probe: EF3DV3 - SN4041; ConvF(1, 1, 1); Calibrated: 3/22/2019;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1540; Calibrated: 2/18/2019
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.8 (7);SEMCAD X Version 14.6.10 (7164)

LTE Band 41 E-Field measurement/LTE TDD_16QAM_RB 1/49_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 = 20.06 V/m; Power Drift = 0.76 dB

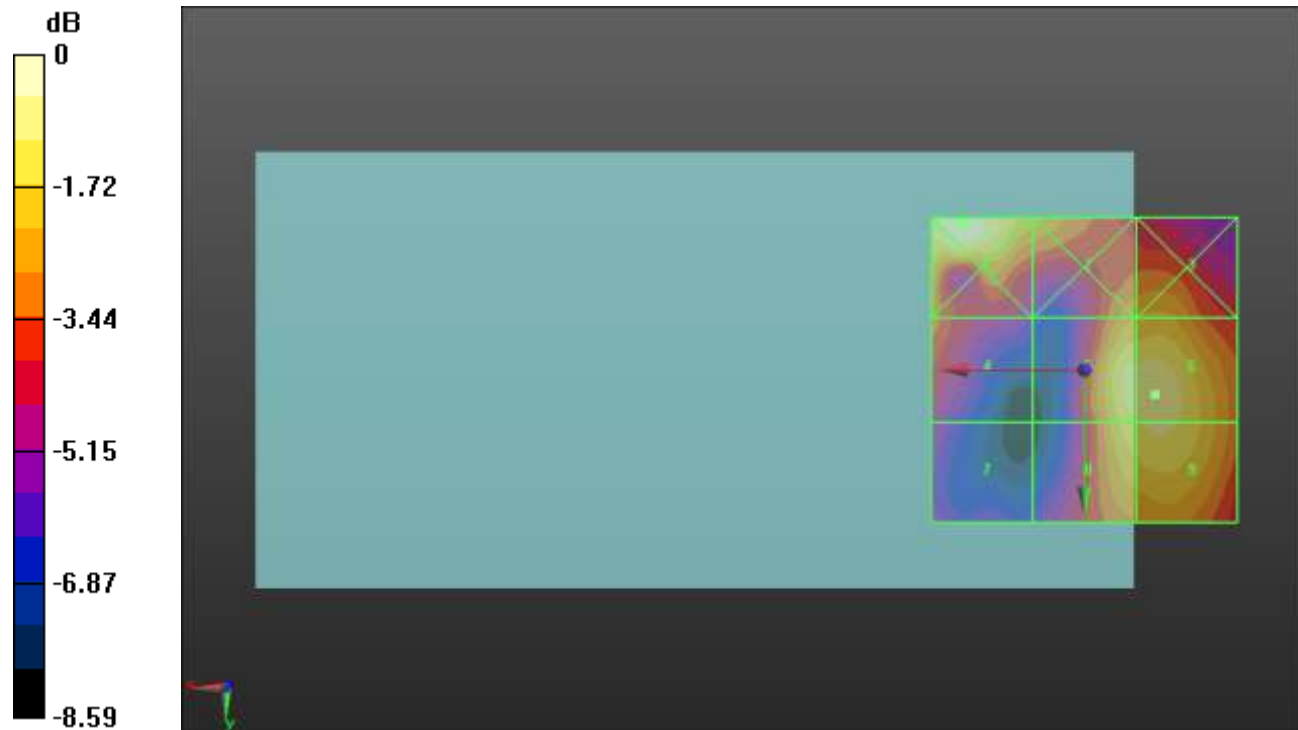
Applied MIF = -1.44 dB

RF audio interference level = 23.16 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 23.95 dBV/m	Grid 2 M4 21.92 dBV/m	Grid 3 M4 21.88 dBV/m
Grid 4 M4 21.11 dBV/m	Grid 5 M4 23.05 dBV/m	Grid 6 M4 23.16 dBV/m
Grid 7 M4 19 dBV/m	Grid 8 M4 22.73 dBV/m	Grid 9 M4 22.97 dBV/m



0 dB = 15.76 V/m = 23.95 dBV/m

HAC-RF Emission

Communication System: UID 10173 - CAC, LTE-TDD (SC-FDMA, 1 RB, 20 MHz, 16-QAM); Frequency: 2636.5 MHz; Duty Cycle: 1:8.87156

Phantom section: RF Section

DASY5 Configuration:

- Probe: EF3DV3 - SN4041; ConvF(1, 1, 1); Calibrated: 3/22/2019;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1540; Calibrated: 2/18/2019
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.8 (7);SEMCAD X Version 14.6.10 (7164)

LTE Band 41 E-Field measurement/LTE TDD_16QAM_RB 1/49_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 = 19.81 V/m; Power Drift = 0.04 dB

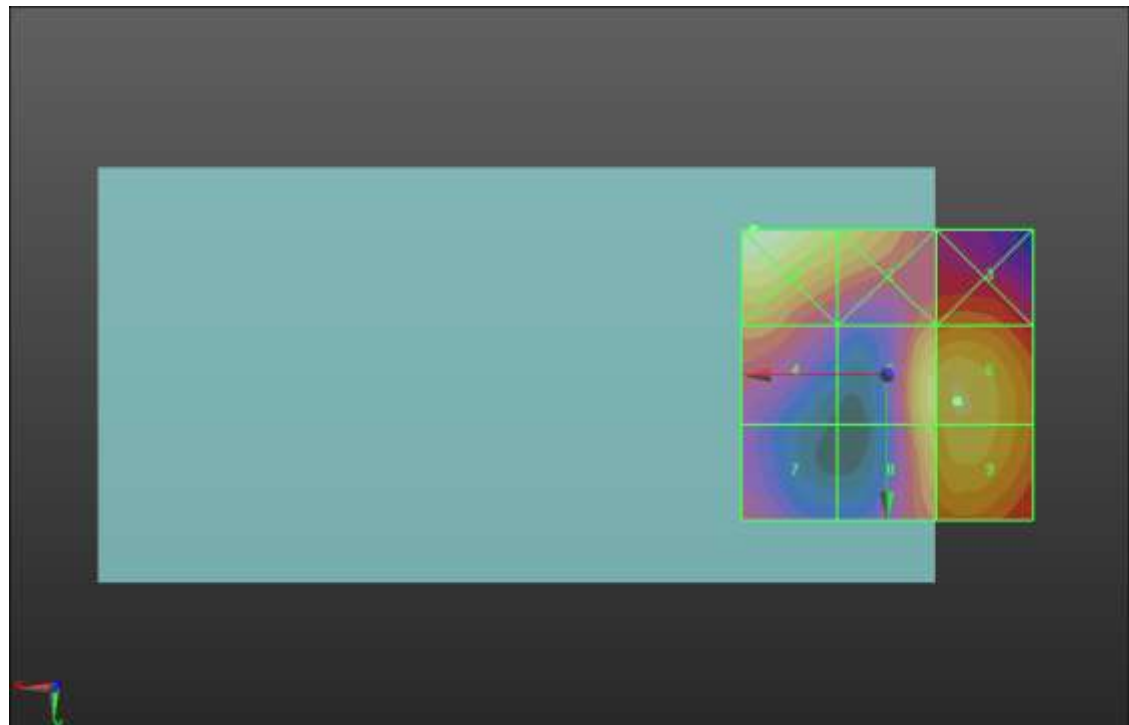
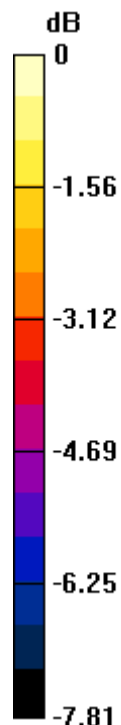
Applied MIF = -1.44 dB

RF audio interference level = 22.45 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 23.43 dBV/m	Grid 2 M4 22.01 dBV/m	Grid 3 M4 20.8 dBV/m
Grid 4 M4 20.73 dBV/m	Grid 5 M4 22.14 dBV/m	Grid 6 M4 22.45 dBV/m
Grid 7 M4 19.59 dBV/m	Grid 8 M4 21.83 dBV/m	Grid 9 M4 22.32 dBV/m



0 dB = 14.84 V/m = 23.43 dBV/m

HAC-RF Emission

Communication System: UID 10173 - CAC, LTE-TDD (SC-FDMA, 1 RB, 20 MHz, 16-QAM); Frequency: 2680 MHz; Duty Cycle: 1:8.87156

Phantom section: RF Section

DASY5 Configuration:

- Probe: EF3DV3 - SN4041; ConvF(1, 1, 1); Calibrated: 3/22/2019;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1540; Calibrated: 2/18/2019
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.8 (7);SEMCAD X Version 14.6.10 (7164)

LTE Band 41 E-Field measurement/LTE TDD_16QAM_RB 1/49_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 = 18.72 V/m; Power Drift = -0.17 dB

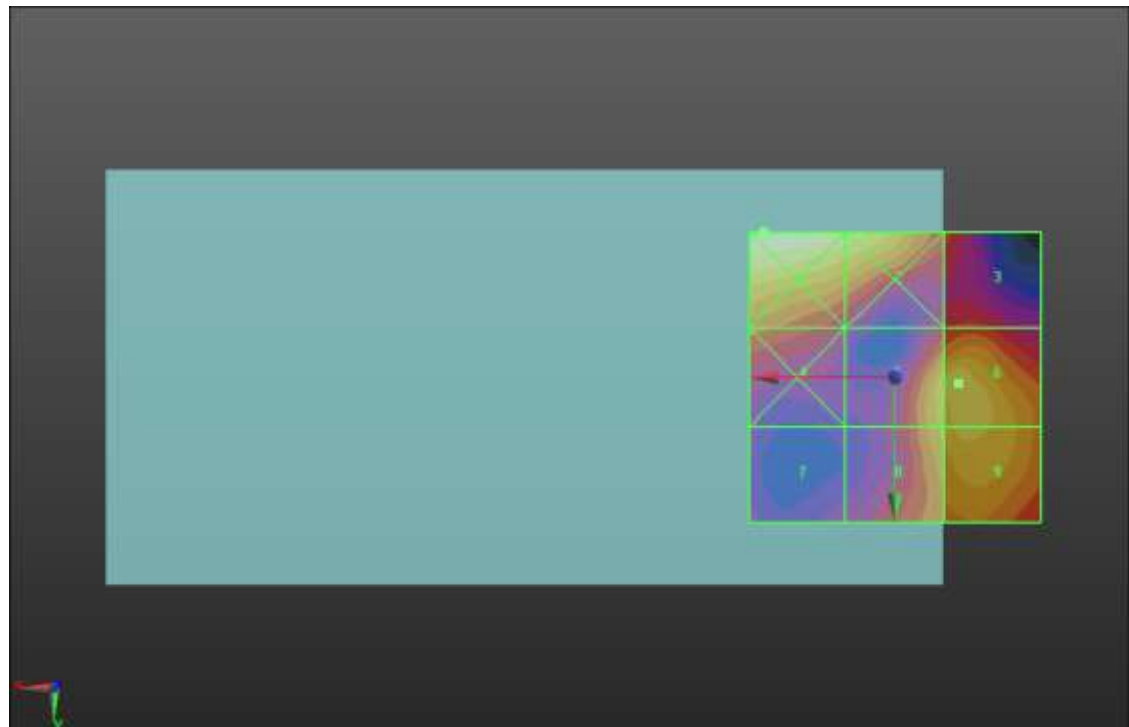
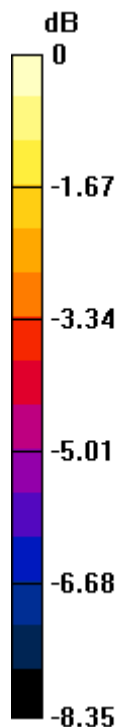
Applied MIF = -1.44 dB

RF audio interference level = 20.93 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 22.04 dBV/m	Grid 2 M4 21.35 dBV/m	Grid 3 M4 18.47 dBV/m
Grid 4 M4 18.98 dBV/m	Grid 5 M4 20.41 dBV/m	Grid 6 M4 20.93 dBV/m
Grid 7 M4 17.1 dBV/m	Grid 8 M4 20.08 dBV/m	Grid 9 M4 20.53 dBV/m



0 dB = 12.64 V/m = 22.03 dBV/m

HAC-RF Emission

Communication System: UID 10173 - CAC, LTE-TDD (SC-FDMA, 1 RB, 20 MHz, 16-QAM); Frequency: 2506 MHz; Duty Cycle: 1:8.87156

Phantom section: RF Section

DASY5 Configuration:

- Probe: EF3DV3 - SN4041; ConvF(1, 1, 1); Calibrated: 3/22/2019;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1540; Calibrated: 2/18/2019
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

LTE Band 41 E-Field measurement 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 = 22.00 V/m; Power Drift = -0.00 dB

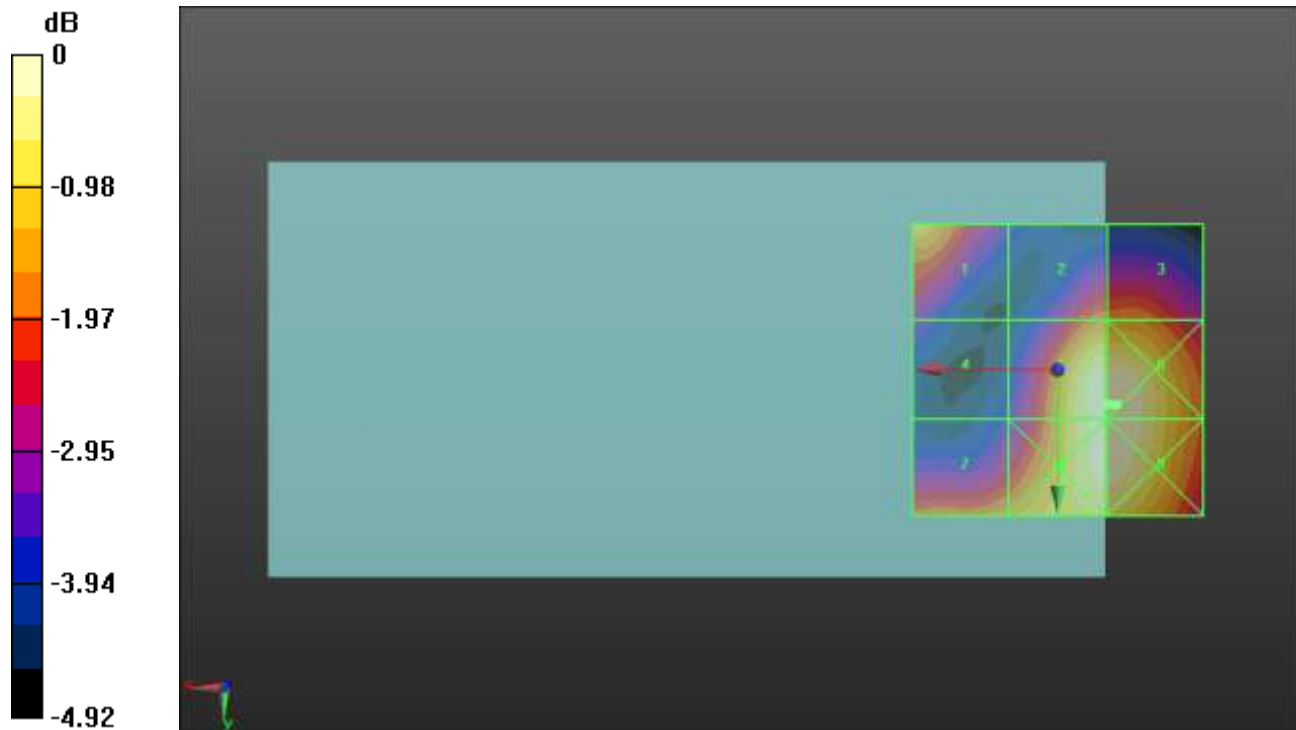
Applied MIF = -1.44 dB

RF audio interference level = 23.64 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 22.91 dBV/m	Grid 2 M4 22.01 dBV/m	Grid 3 M4 22.07 dBV/m
Grid 4 M4 20.57 dBV/m	Grid 5 M4 23.64 dBV/m	Grid 6 M4 23.66 dBV/m
Grid 7 M4 22.29 dBV/m	Grid 8 M4 23.59 dBV/m	Grid 9 M4 23.59 dBV/m



0 dB = 15.24 V/m = 23.66 dBV/m

HAC-RF Emission

Communication System: UID 10173 - CAC, LTE-TDD (SC-FDMA, 1 RB, 20 MHz, 16-QAM); Frequency: 2549.5 MHz; Duty Cycle: 1:8.87156

Phantom section: RF Section

DASY5 Configuration:

- Probe: EF3DV3 - SN4041; ConvF(1, 1, 1); Calibrated: 3/22/2019;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1540; Calibrated: 2/18/2019
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

LTE Band 41 E-Field measurement 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 = 20.44 V/m; Power Drift = -0.11 dB

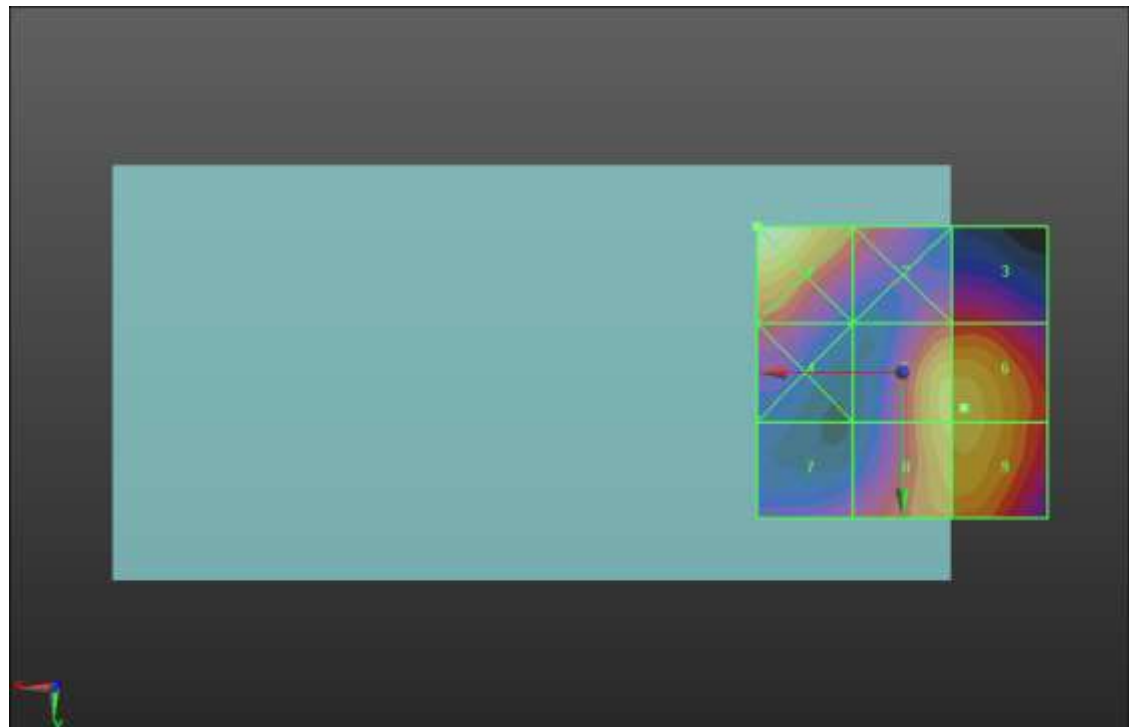
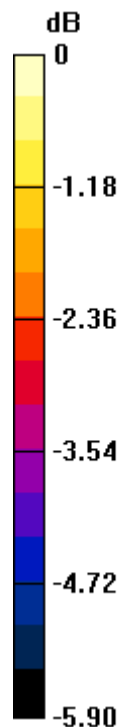
Applied MIF = -1.44 dB

RF audio interference level = 22.80 dBV/m

Emission category: **M4**

MIF scaled E-field

Grid 1 M4 23.69 dBV/m	Grid 2 M4 21.48 dBV/m	Grid 3 M4 20.96 dBV/m
Grid 4 M4 21.04 dBV/m	Grid 5 M4 22.72 dBV/m	Grid 6 M4 22.8 dBV/m
Grid 7 M4 20.36 dBV/m	Grid 8 M4 22.63 dBV/m	Grid 9 M4 22.69 dBV/m



0 dB = 15.29 V/m = 23.69 dBV/m

HAC-RF Emission

Communication System: UID 10173 - CAC, LTE-TDD (SC-FDMA, 1 RB, 20 MHz, 16-QAM); Frequency: 2593 MHz; Duty Cycle: 1:8.87156

Phantom section: RF Section

DASY5 Configuration:

- Probe: EF3DV3 - SN4041; ConvF(1, 1, 1); Calibrated: 3/22/2019;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1540; Calibrated: 2/18/2019
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

LTE Band 41 E-Field measurement 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 = 19.68 V/m; Power Drift = 0.61 dB

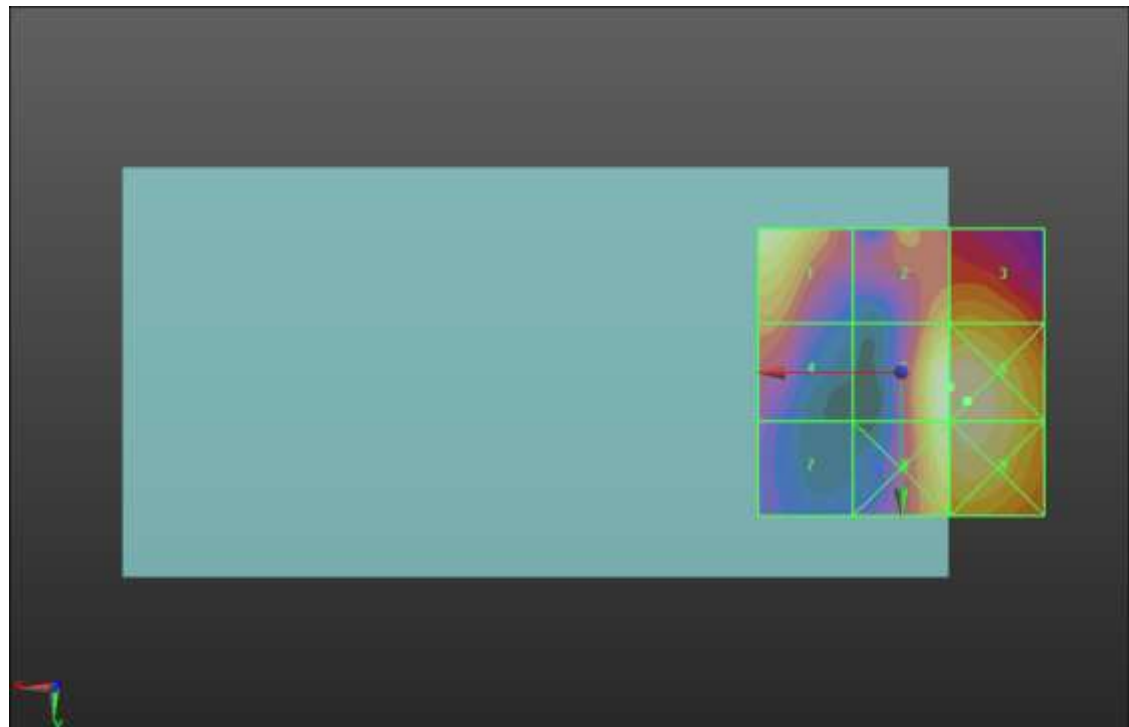
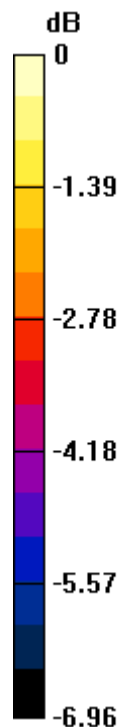
Applied MIF = -1.44 dB

RF audio interference level = 23.08 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 23.03 dBV/m	Grid 2 M4 21.48 dBV/m	Grid 3 M4 21.68 dBV/m
Grid 4 M4 20.76 dBV/m	Grid 5 M4 23.08 dBV/m	Grid 6 M4 23.25 dBV/m
Grid 7 M4 18.97 dBV/m	Grid 8 M4 22.87 dBV/m	Grid 9 M4 23.11 dBV/m



0 dB = 14.53 V/m = 23.25 dBV/m

HAC-RF Emission

Communication System: UID 10173 - CAC, LTE-TDD (SC-FDMA, 1 RB, 20 MHz, 16-QAM); Frequency: 2636.5 MHz; Duty Cycle: 1:8.87156

Phantom section: RF Section

DASY5 Configuration:

- Probe: EF3DV3 - SN4041; ConvF(1, 1, 1); Calibrated: 3/22/2019;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1540; Calibrated: 2/18/2019
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

LTE Band 41 E-Field measurement 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 = 19.43 V/m; Power Drift = -0.69 dB

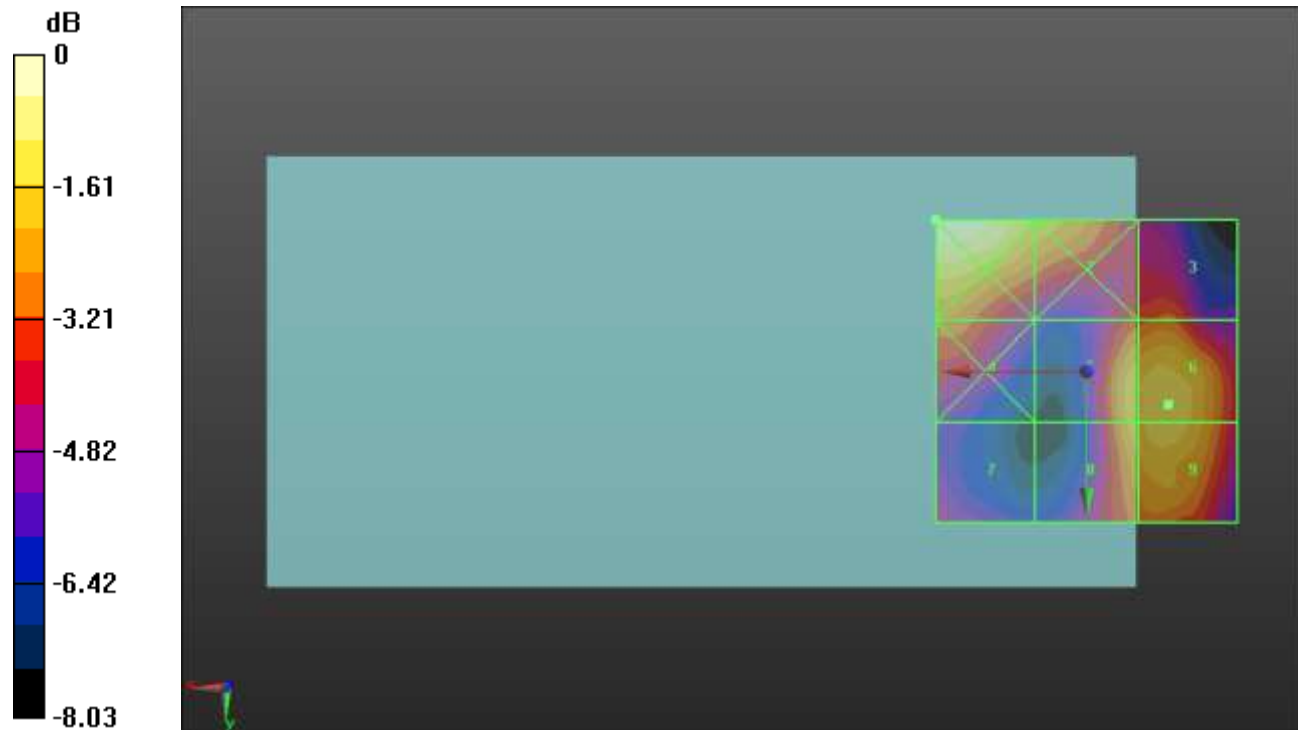
Applied MIF = -1.44 dB

RF audio interference level = 22.51 dBV/m

Emission category: **M4**

MIF scaled E-field

Grid 1 M4 23.66 dBV/m	Grid 2 M4 22.04 dBV/m	Grid 3 M4 20.67 dBV/m
Grid 4 M4 20.95 dBV/m	Grid 5 M4 22.02 dBV/m	Grid 6 M4 22.51 dBV/m
Grid 7 M4 19.25 dBV/m	Grid 8 M4 21.92 dBV/m	Grid 9 M4 22.42 dBV/m



0 dB = 15.25 V/m = 23.67 dBV/m

HAC-RF Emission

Communication System: UID 10173 - CAC, LTE-TDD (SC-FDMA, 1 RB, 20 MHz, 16-QAM); Frequency: 2680 MHz; Duty Cycle: 1:8.87156

Phantom section: RF Section

DASY5 Configuration:

- Probe: EF3DV3 - SN4041; ConvF(1, 1, 1); Calibrated: 3/22/2019;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1540; Calibrated: 2/18/2019
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

LTE Band 41 E-Field measurement 2/LTE TDD_16QAM_RB 1/49_ch 41490/Hearing Aid Compatibility Test (101x101x1):

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 17.26 V/m; Power Drift = -0.01 dB

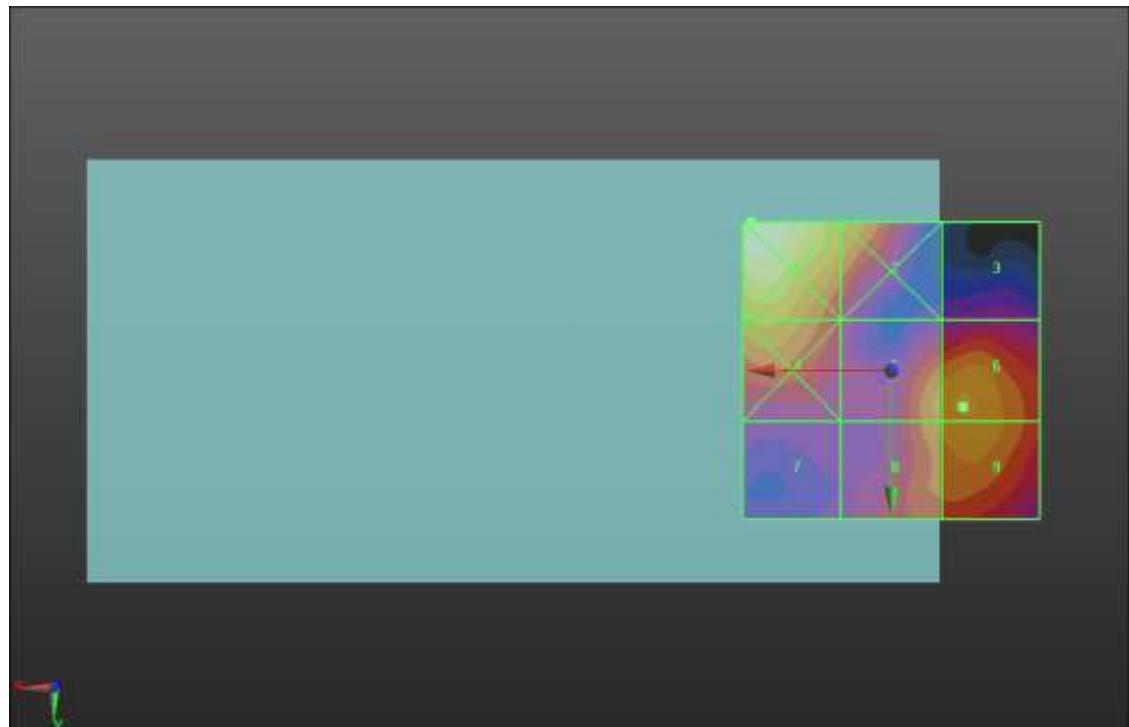
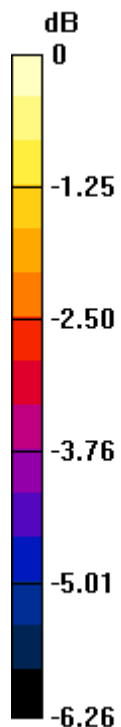
Applied MIF = -1.44 dB

RF audio interference level = 19.69 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 21.31 dBV/m	Grid 2 M4 19.7 dBV/m	Grid 3 M4 17.58 dBV/m
Grid 4 M4 19.75 dBV/m	Grid 5 M4 19.44 dBV/m	Grid 6 M4 19.69 dBV/m
Grid 7 M4 17.57 dBV/m	Grid 8 M4 19.35 dBV/m	Grid 9 M4 19.6 dBV/m



0 dB = 11.62 V/m = 21.30 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 = 21.79 V/m; Power Drift = 0.13 dB

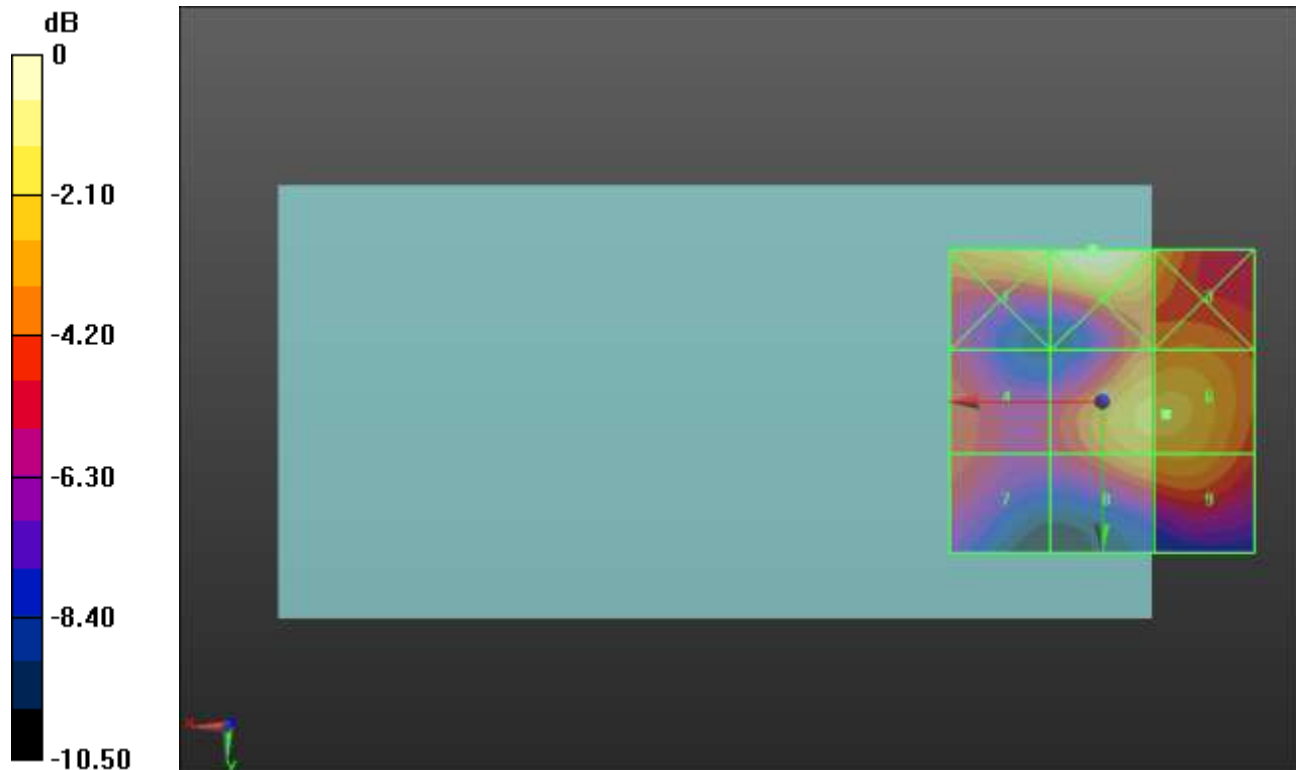
Applied MIF = -1.44 dB

RF audio interference level = 23.38 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 24.25 dBV/m	Grid 2 M4 25.22 dBV/m	Grid 3 M4 22.92 dBV/m
Grid 4 M4 20.88 dBV/m	Grid 5 M4 23.35 dBV/m	Grid 6 M4 23.38 dBV/m
Grid 7 M4 20.76 dBV/m	Grid 8 M4 22.61 dBV/m	Grid 9 M4 22.67 dBV/m



0 dB = 18.24 V/m = 25.22 dBV/m

HAC-RF Emission

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

Phantom section: RF Section

DASY5 Configuration:

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

LTE Band 48 E-Field measurement/LTE TDD_16QAM_RB 1/49_ch 55773/Hearing Aid Compatibility Test (101x101x1):

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

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 20.96 V/m; Power Drift = 0.21 dB

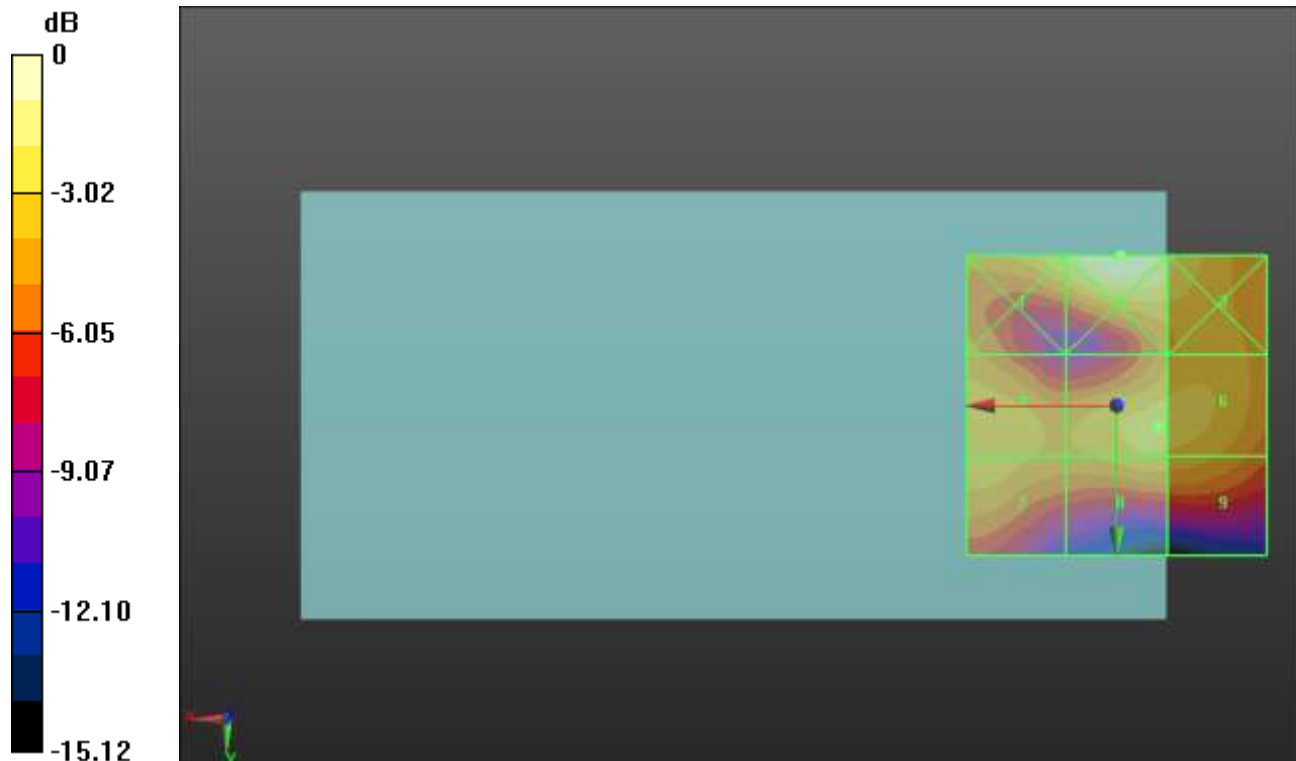
Applied MIF = -1.44 dB

RF audio interference level = 22.43 dBV/m

Emission category: **M4**

MIF scaled E-field

Grid 1 M4 23.36 dBV/m	Grid 2 M4 25.02 dBV/m	Grid 3 M4 23.44 dBV/m
Grid 4 M4 21.87 dBV/m	Grid 5 M4 22.43 dBV/m	Grid 6 M4 22.42 dBV/m
Grid 7 M4 21.82 dBV/m	Grid 8 M4 21.9 dBV/m	Grid 9 M4 21.8 dBV/m



0 dB = 17.83 V/m = 25.02 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 = 20.54 V/m; Power Drift = 0.03 dB

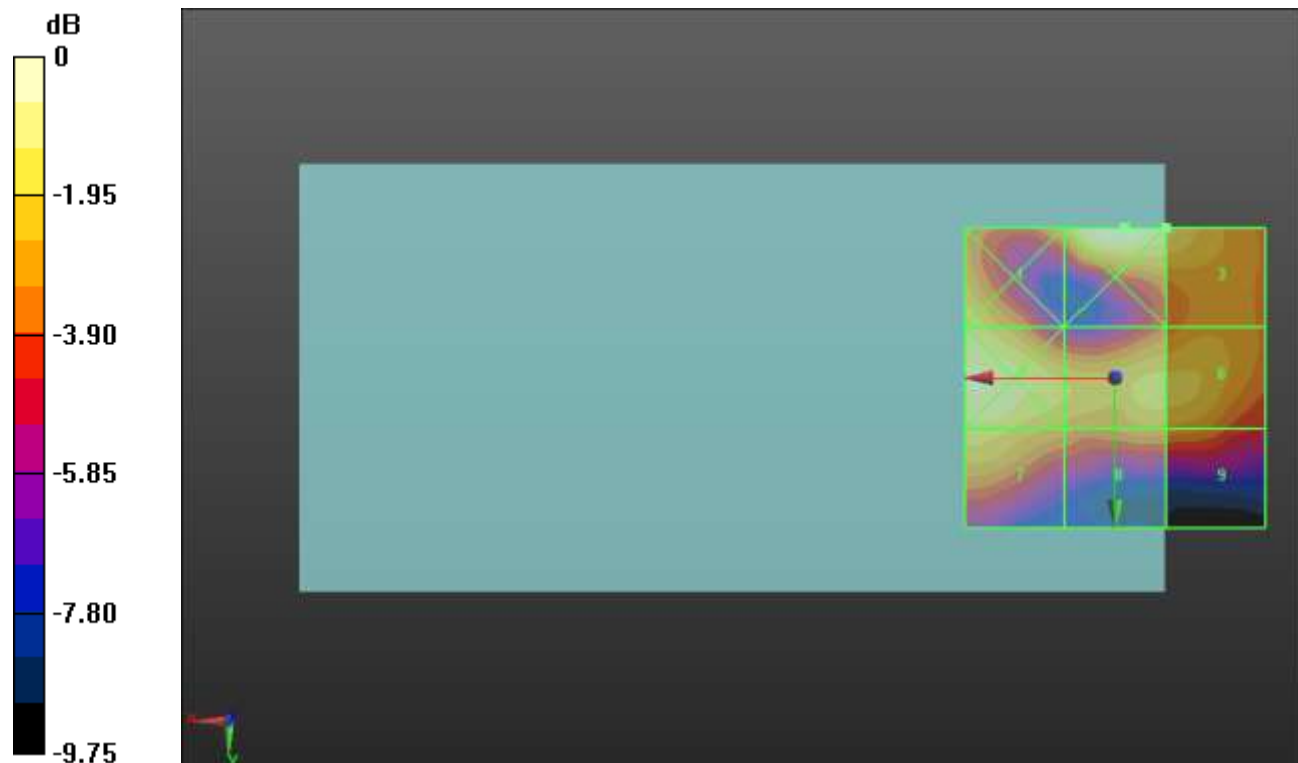
Applied MIF = -1.44 dB

RF audio interference level = 22.76 dBV/m

Emission category: **M4**

MIF scaled E-field

Grid 1 M4 22.43 dBV/m	Grid 2 M4 23.63 dBV/m	Grid 3 M4 22.76 dBV/m
Grid 4 M4 23.07 dBV/m	Grid 5 M4 21.95 dBV/m	Grid 6 M4 21.93 dBV/m
Grid 7 M4 22.17 dBV/m	Grid 8 M4 20.91 dBV/m	Grid 9 M4 20.83 dBV/m



0 dB = 15.18 V/m = 23.63 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 = 22.52 V/m; Power Drift = -0.33 dB

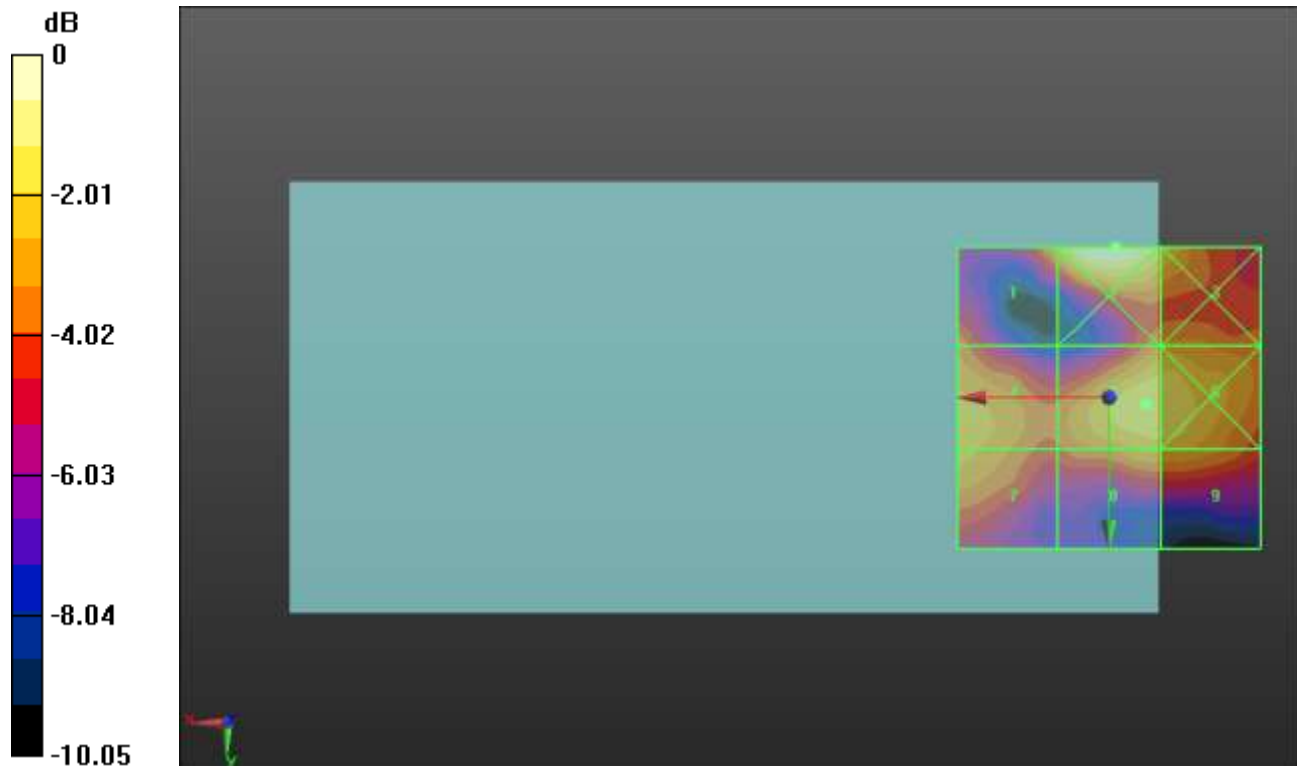
Applied MIF = -1.44 dB

RF audio interference level = 22.46 dBV/m

Emission category: **M4**

MIF scaled E-field

Grid 1 M4 21.35 dBV/m	Grid 2 M4 23.76 dBV/m	Grid 3 M4 22.24 dBV/m
Grid 4 M4 21.35 dBV/m	Grid 5 M4 22.46 dBV/m	Grid 6 M4 22.36 dBV/m
Grid 7 M4 21.35 dBV/m	Grid 8 M4 21.33 dBV/m	Grid 9 M4 21.31 dBV/m



0 dB = 15.41 V/m = 23.76 dBV/m

HAC-RF Emission

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

Phantom section: RF Section

DASY5 Configuration:

- Probe: EF3DV3 - SN4041; ConvF(1, 1, 1); Calibrated: 3/22/2019;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1540; Calibrated: 2/18/2019
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

GSM850 E-Field measurement/Voice_ch 128/Hearing Aid Compatibility Test

(101x101x1): Interpolated grid: dx=0.5000 mm, dy=0.5000 mm

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 64.48 V/m; Power Drift = 0.08 dB

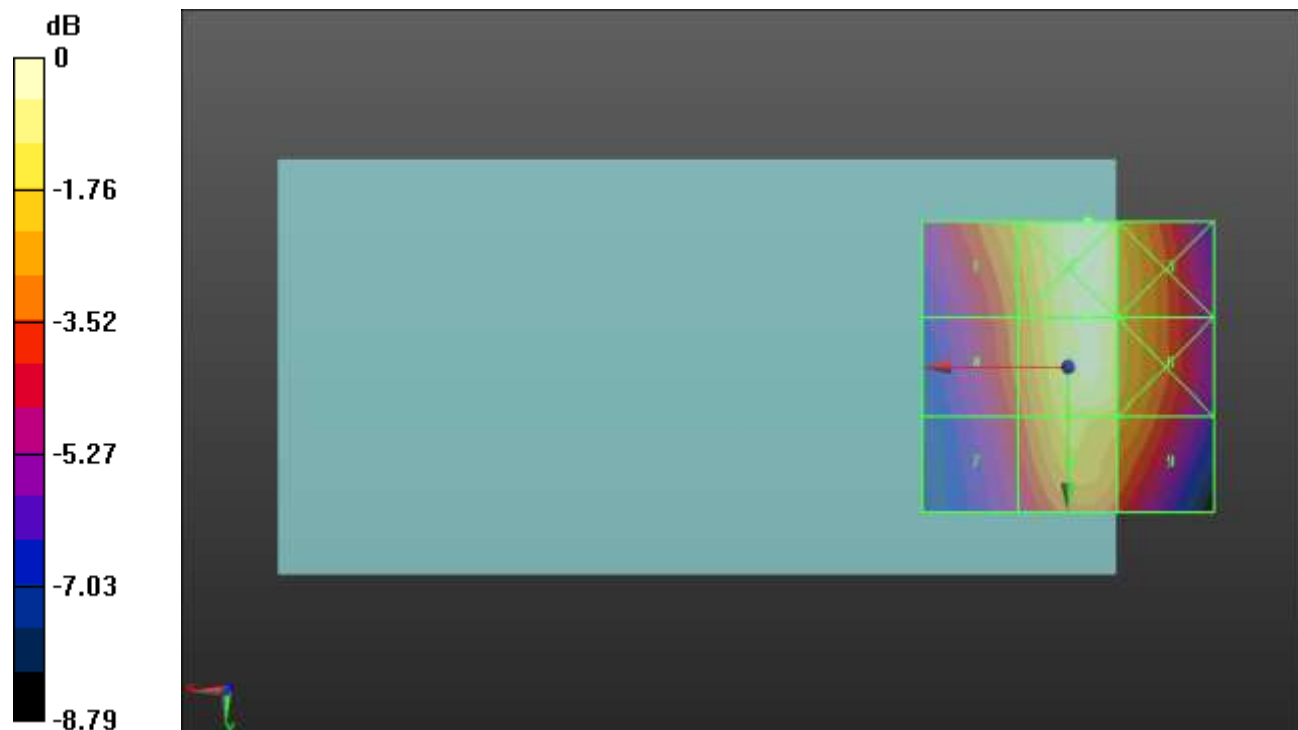
Applied MIF = 3.63 dB

RF audio interference level = 36.48 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 34.79 dBV/m	Grid 2 M4 36.81 dBV/m	Grid 3 M4 35.58 dBV/m
Grid 4 M4 33.89 dBV/m	Grid 5 M4 36.48 dBV/m	Grid 6 M4 35.51 dBV/m
Grid 7 M4 33.03 dBV/m	Grid 8 M4 35.53 dBV/m	Grid 9 M4 34.81 dBV/m



0 dB = 69.28 V/m = 36.81 dBV/m

HAC-RF Emission

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

Phantom section: RF Section

DASY5 Configuration:

- Probe: EF3DV3 - SN4041; ConvF(1, 1, 1); Calibrated: 3/22/2019;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1540; Calibrated: 2/18/2019
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

GSM850 E-Field measurement/Voice_ch 190/Hearing Aid Compatibility Test

(101x101x1): Interpolated grid: dx=0.5000 mm, dy=0.5000 mm

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 68.64 V/m; Power Drift = -0.00 dB

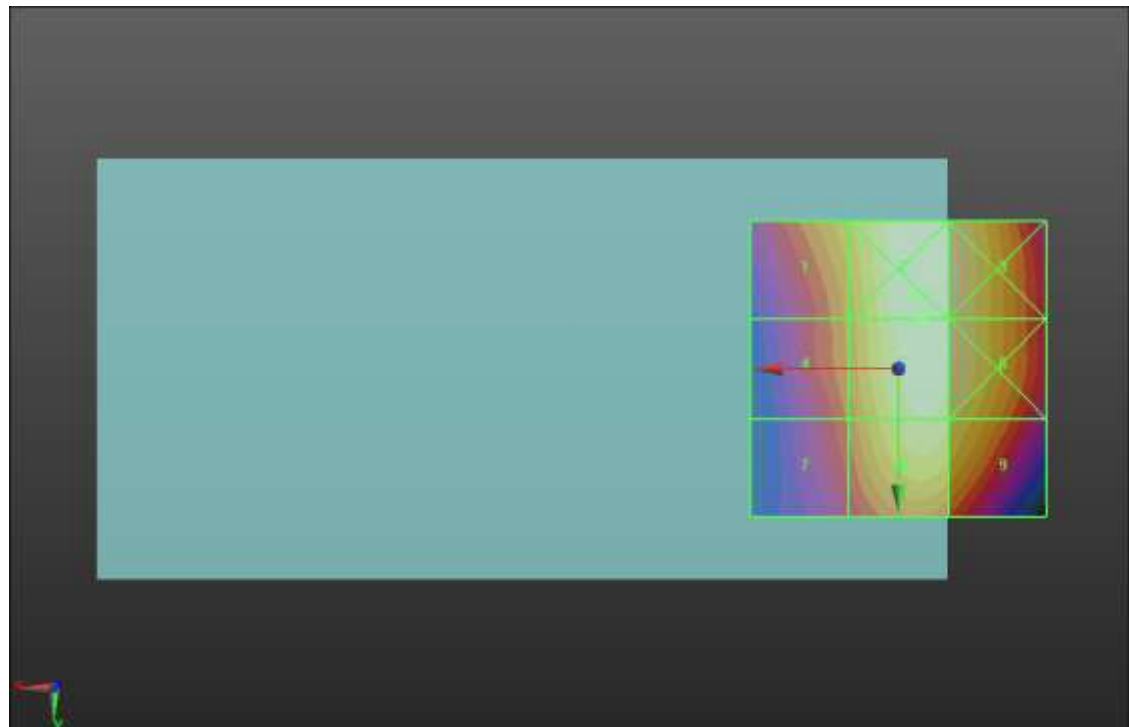
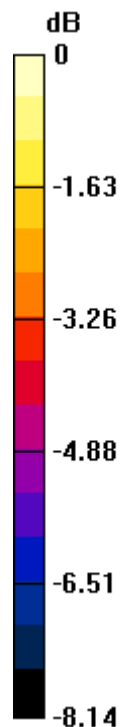
Applied MIF = 3.63 dB

RF audio interference level = 36.56 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 34.92 dBV/m	Grid 2 M4 36.62 dBV/m	Grid 3 M4 36.33 dBV/m
Grid 4 M4 34.12 dBV/m	Grid 5 M4 36.56 dBV/m	Grid 6 M4 36.23 dBV/m
Grid 7 M4 33.5 dBV/m	Grid 8 M4 36.08 dBV/m	Grid 9 M4 35.73 dBV/m



0 dB = 67.73 V/m = 36.62 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 Sn1540; Calibrated: 2/18/2019
- 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 = 80.33 V/m; Power Drift = 0.11 dB

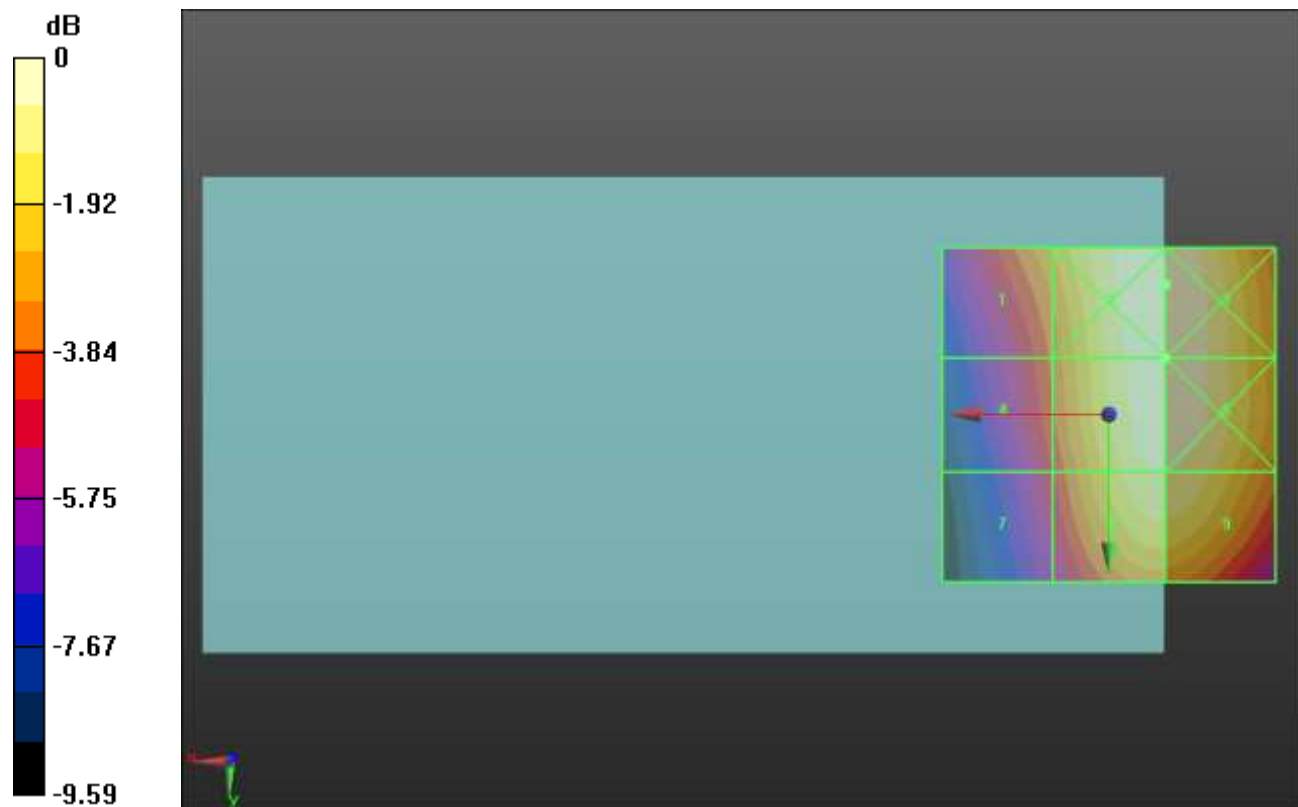
Applied MIF = 3.63 dB

RF audio interference level = 39.24 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 36.88 dBV/m	Grid 2 M4 39.38 dBV/m	Grid 3 M4 39.38 dBV/m
Grid 4 M4 35.72 dBV/m	Grid 5 M4 39.24 dBV/m	Grid 6 M4 39.24 dBV/m
Grid 7 M4 34.86 dBV/m	Grid 8 M4 38.76 dBV/m	Grid 9 M4 38.76 dBV/m



0 dB = 93.11 V/m = 39.38 dBV/m

HAC-RF Emission

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

Phantom section: RF Section

DASY5 Configuration:

- Probe: EF3DV3 - SN4041; ConvF(1, 1, 1); Calibrated: 3/22/2019;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1540; Calibrated: 2/18/2019
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.8 (7);SEMCAD X Version 14.6.10 (7164)

GSM1900 E-Field measurement/Voice_ch 512/Hearing Aid Compatibility Test

(101x101x1): Interpolated grid: dx=0.5000 mm, dy=0.5000 mm

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 26.69 V/m; Power Drift = -0.13 dB

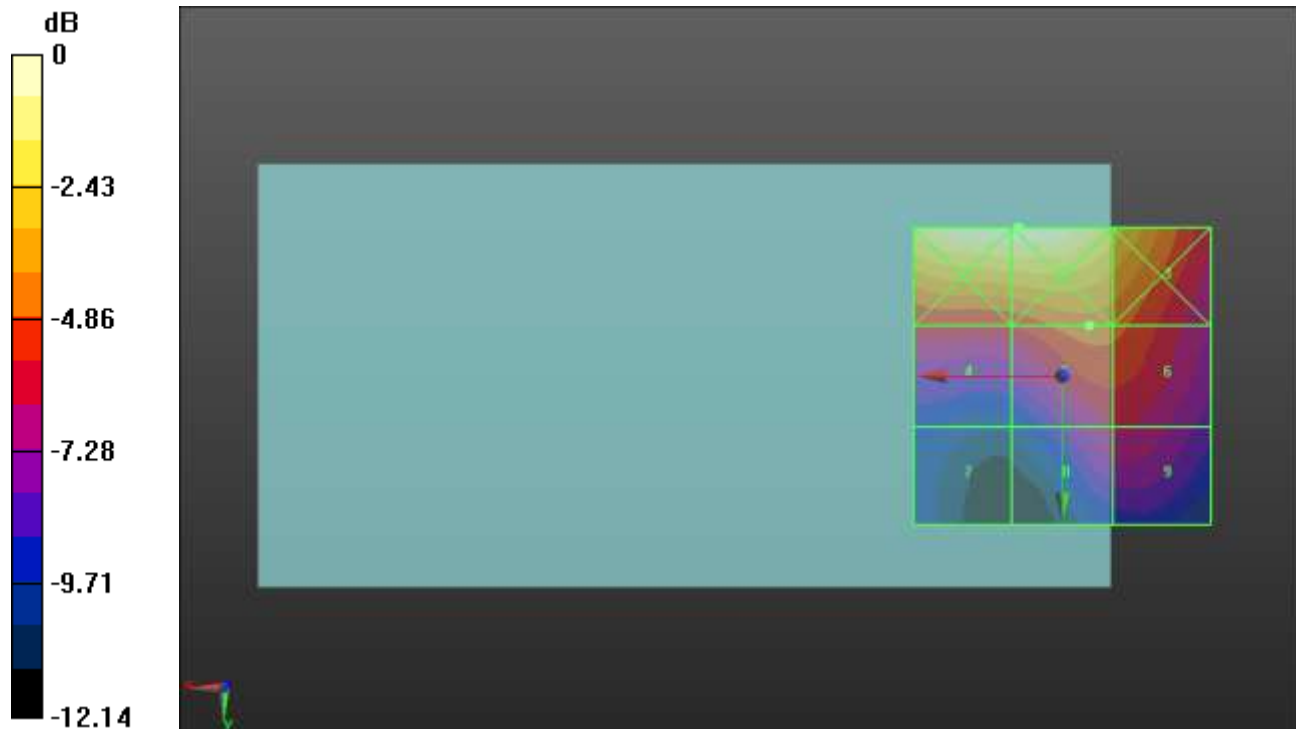
Applied MIF = 3.63 dB

RF audio interference level = 30.77 dBV/m

Emission category: M3

MIF scaled E-field

Grid 1 M2 35.15 dBV/m	Grid 2 M2 35.16 dBV/m	Grid 3 M3 33.21 dBV/m
Grid 4 M4 29.63 dBV/m	Grid 5 M3 30.77 dBV/m	Grid 6 M3 30.59 dBV/m
Grid 7 M4 25.81 dBV/m	Grid 8 M4 28.67 dBV/m	Grid 9 M4 28.72 dBV/m



0 dB = 57.26 V/m = 35.16 dBV/m

HAC-RF Emission

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

Phantom section: RF Section

DASY5 Configuration:

- Probe: EF3DV3 - SN4041; ConvF(1, 1, 1); Calibrated: 3/22/2019;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1540; Calibrated: 2/18/2019
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.8 (7);SEMCAD X Version 14.6.10 (7164)

GSM1900 E-Field measurement/Voice_ch 661/Hearing Aid Compatibility Test

(101x101x1): Interpolated grid: dx=0.5000 mm, dy=0.5000 mm

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 26.15 V/m; Power Drift = -0.02 dB

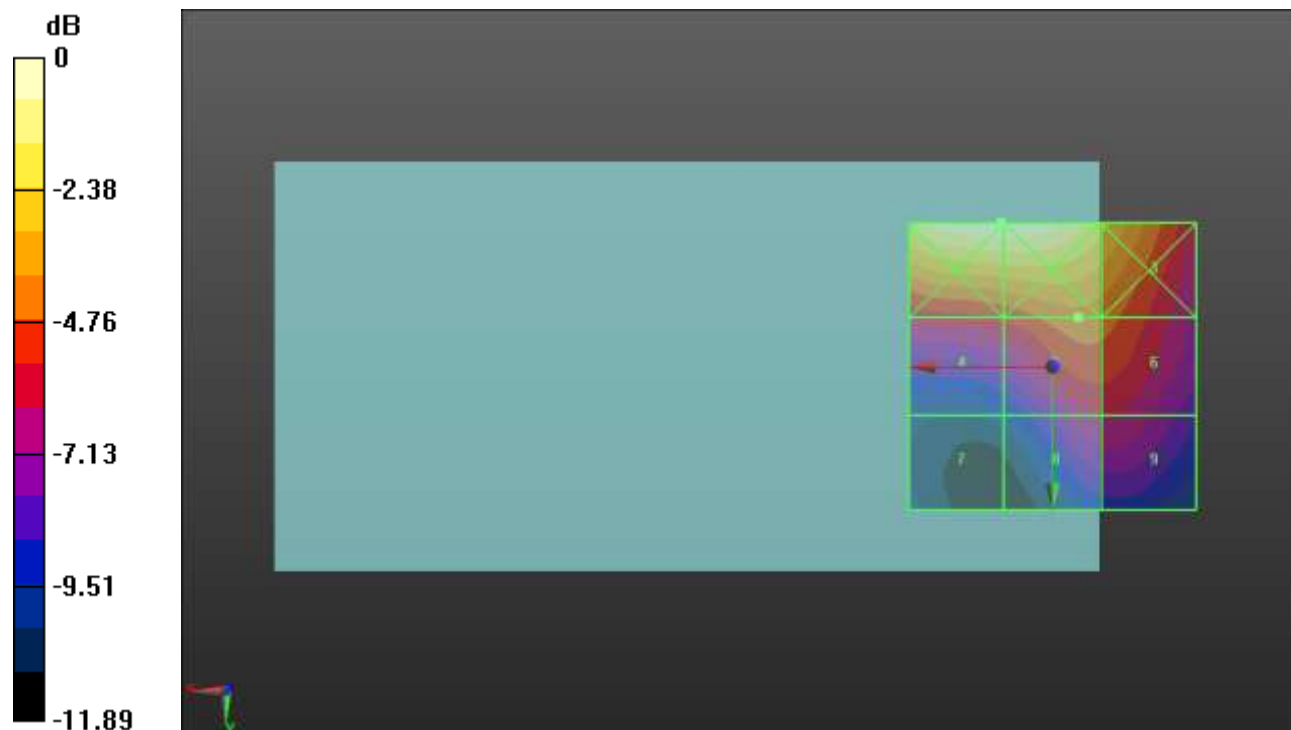
Applied MIF = 3.63 dB

RF audio interference level = 30.47 dBV/m

Emission category: M3

MIF scaled E-field

Grid 1 M3 34.68 dBV/m	Grid 2 M3 34.68 dBV/m	Grid 3 M3 32.67 dBV/m
Grid 4 M4 29.32 dBV/m	Grid 5 M3 30.47 dBV/m	Grid 6 M3 30.29 dBV/m
Grid 7 M4 24.97 dBV/m	Grid 8 M4 28.36 dBV/m	Grid 9 M4 28.36 dBV/m



0 dB = 54.23 V/m = 34.68 dBV/m

HAC-RF Emission

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

Phantom section: RF Section

DASY5 Configuration:

- Probe: EF3DV3 - SN4041; ConvF(1, 1, 1); Calibrated: 3/22/2019;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1540; Calibrated: 2/18/2019
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.8 (7);SEMCAD X Version 14.6.10 (7164)

GSM1900 E-Field measurement/Voice_ch 810/Hearing Aid Compatibility Test

(101x101x1): Interpolated grid: dx=0.5000 mm, dy=0.5000 mm

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 24.09 V/m; Power Drift = -0.06 dB

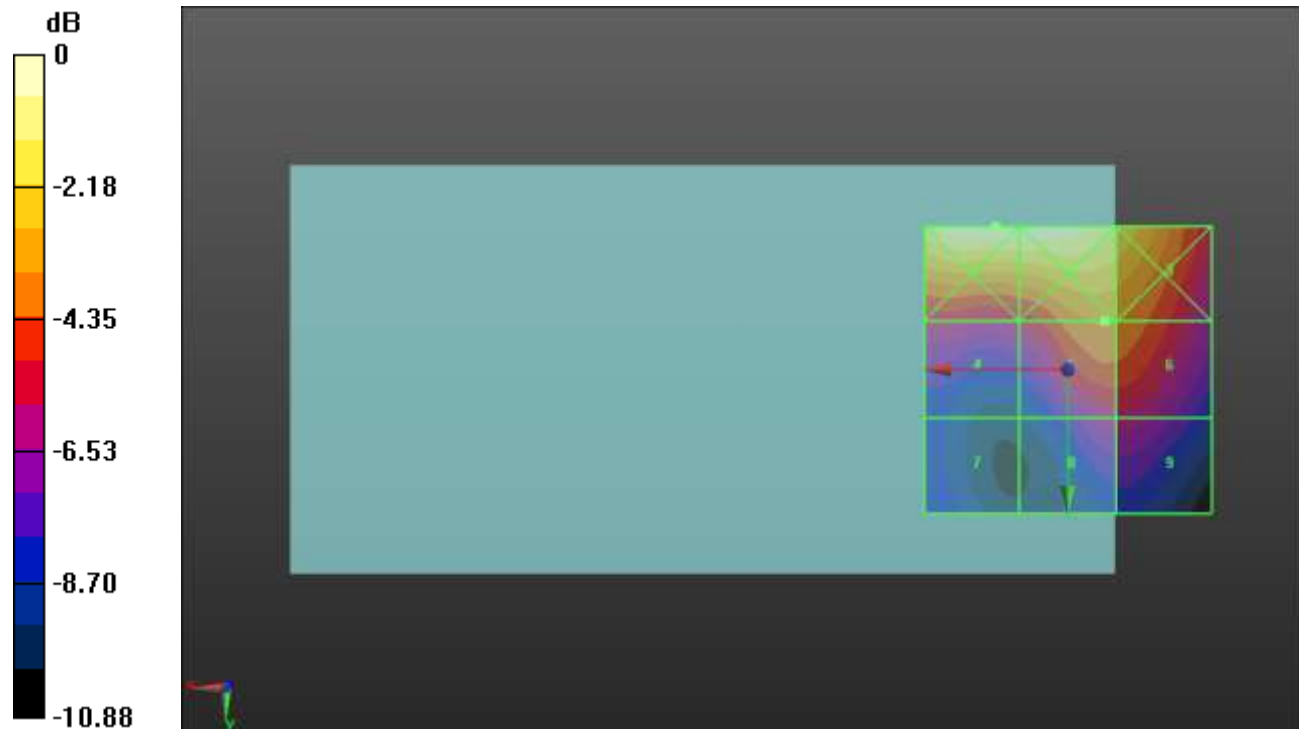
Applied MIF = 3.63 dB

RF audio interference level = 29.75 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M3 33.26 dBV/m	Grid 2 M3 33.25 dBV/m	Grid 3 M3 31.96 dBV/m
Grid 4 M4 27.74 dBV/m	Grid 5 M4 29.75 dBV/m	Grid 6 M4 29.7 dBV/m
Grid 7 M4 25.36 dBV/m	Grid 8 M4 27.2 dBV/m	Grid 9 M4 27.2 dBV/m



0 dB = 46.04 V/m = 33.26 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); Calibrated: 3/22/2019;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1540; Calibrated: 2/18/2019
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

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 = 33.07 V/m; Power Drift = 0.36 dB

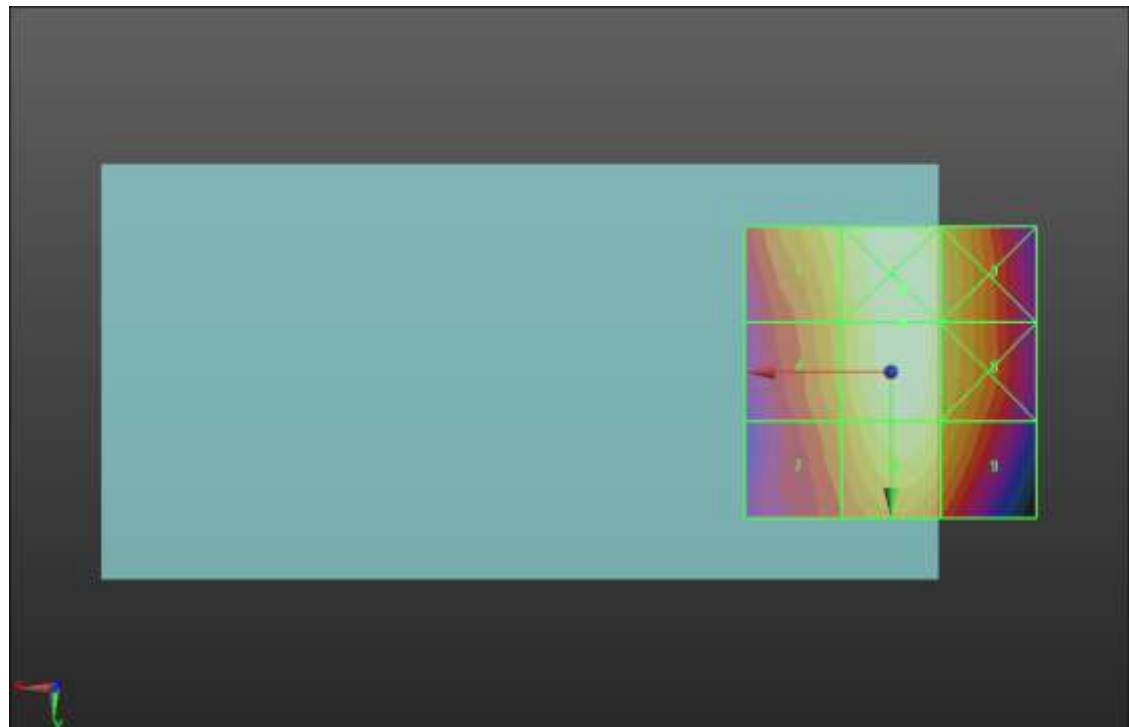
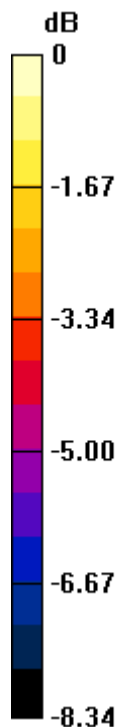
Applied MIF = 3.26 dB

RF audio interference level = 29.67 dBV/m

Emission category: **M4**

MIF scaled E-field

Grid 1 M4 28.63 dBV/m	Grid 2 M4 29.75 dBV/m	Grid 3 M4 29.01 dBV/m
Grid 4 M4 28.04 dBV/m	Grid 5 M4 29.67 dBV/m	Grid 6 M4 28.92 dBV/m
Grid 7 M4 27.33 dBV/m	Grid 8 M4 29.2 dBV/m	Grid 9 M4 28.4 dBV/m



0 dB = 30.74 V/m = 29.75 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 Sn1540; Calibrated: 2/18/2019
- 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 = 36.53 V/m; Power Drift = -0.06 dB

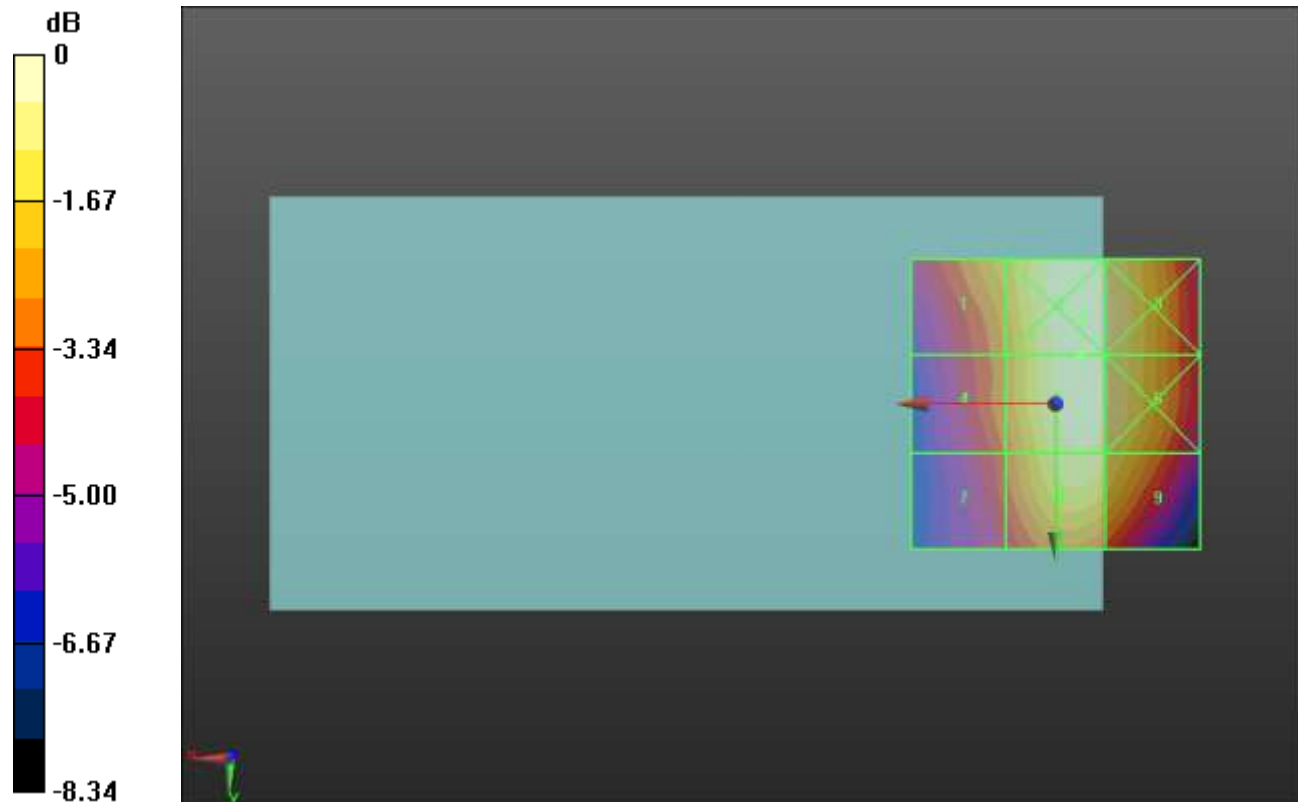
Applied MIF = 3.26 dB

RF audio interference level = 30.25 dBV/m

Emission category: **M4**

MIF scaled E-field

Grid 1 M4 28.6 dBV/m	Grid 2 M4 30.38 dBV/m	Grid 3 M4 30.06 dBV/m
Grid 4 M4 27.75 dBV/m	Grid 5 M4 30.25 dBV/m	Grid 6 M4 29.96 dBV/m
Grid 7 M4 27.17 dBV/m	Grid 8 M4 29.79 dBV/m	Grid 9 M4 29.46 dBV/m



0 dB = 33.05 V/m = 30.38 dBV/m

HAC-RF Emission

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

Phantom section: RF Section

DASY5 Configuration:

- Probe: EF3DV3 - SN4041; ConvF(1, 1, 1); Calibrated: 3/22/2019;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1540; Calibrated: 2/18/2019
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.8 (7);SEMCAD X Version 14.6.10 (7164)

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 = 42.34 V/m; Power Drift = 0.00 dB

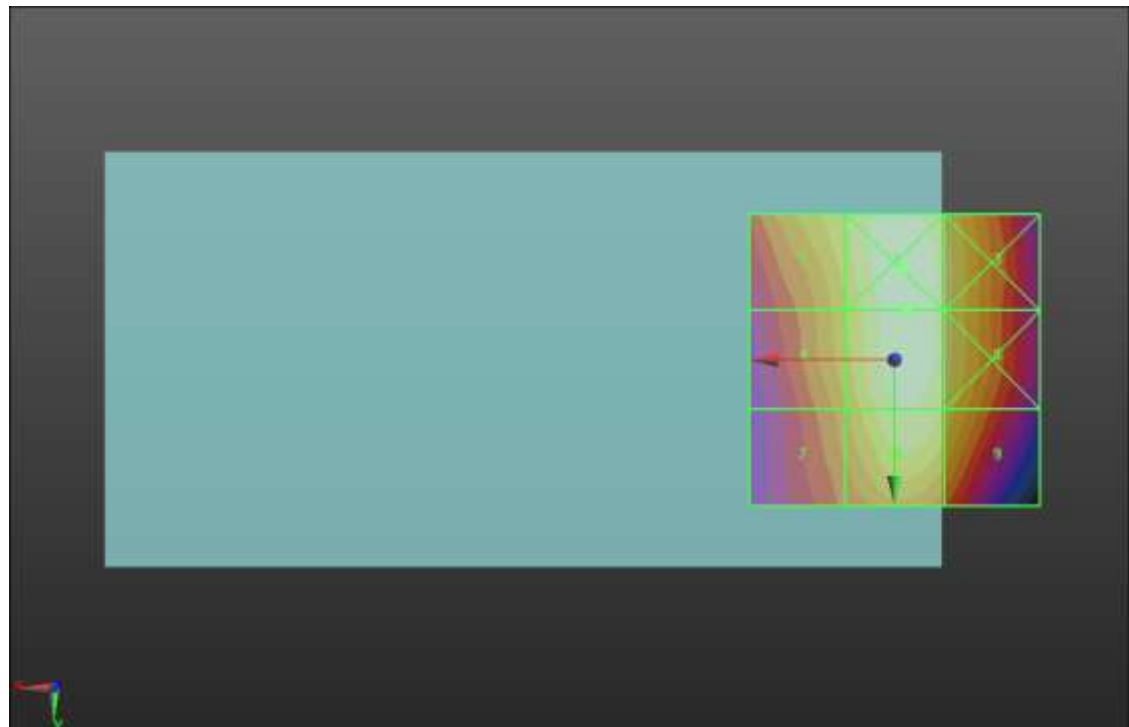
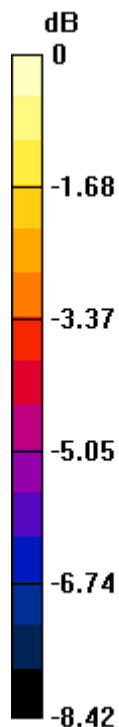
Applied MIF = 3.26 dB

RF audio interference level = 31.49 dBV/m

Emission category: **M4**

MIF scaled E-field

Grid 1 M4 30.45 dBV/m	Grid 2 M4 31.59 dBV/m	Grid 3 M4 30.79 dBV/m
Grid 4 M4 29.85 dBV/m	Grid 5 M4 31.49 dBV/m	Grid 6 M4 30.76 dBV/m
Grid 7 M4 29.24 dBV/m	Grid 8 M4 31.06 dBV/m	Grid 9 M4 30.36 dBV/m



0 dB = 37.97 V/m = 31.59 dBV/m

HAC-RF Emission

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

Phantom section: RF Section

DASY5 Configuration:

- Probe: EF3DV3 - SN4041; ConvF(1, 1, 1); Calibrated: 3/22/2019;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1540; Calibrated: 2/18/2019
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

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 = 16.57 V/m; Power Drift = -0.10 dB

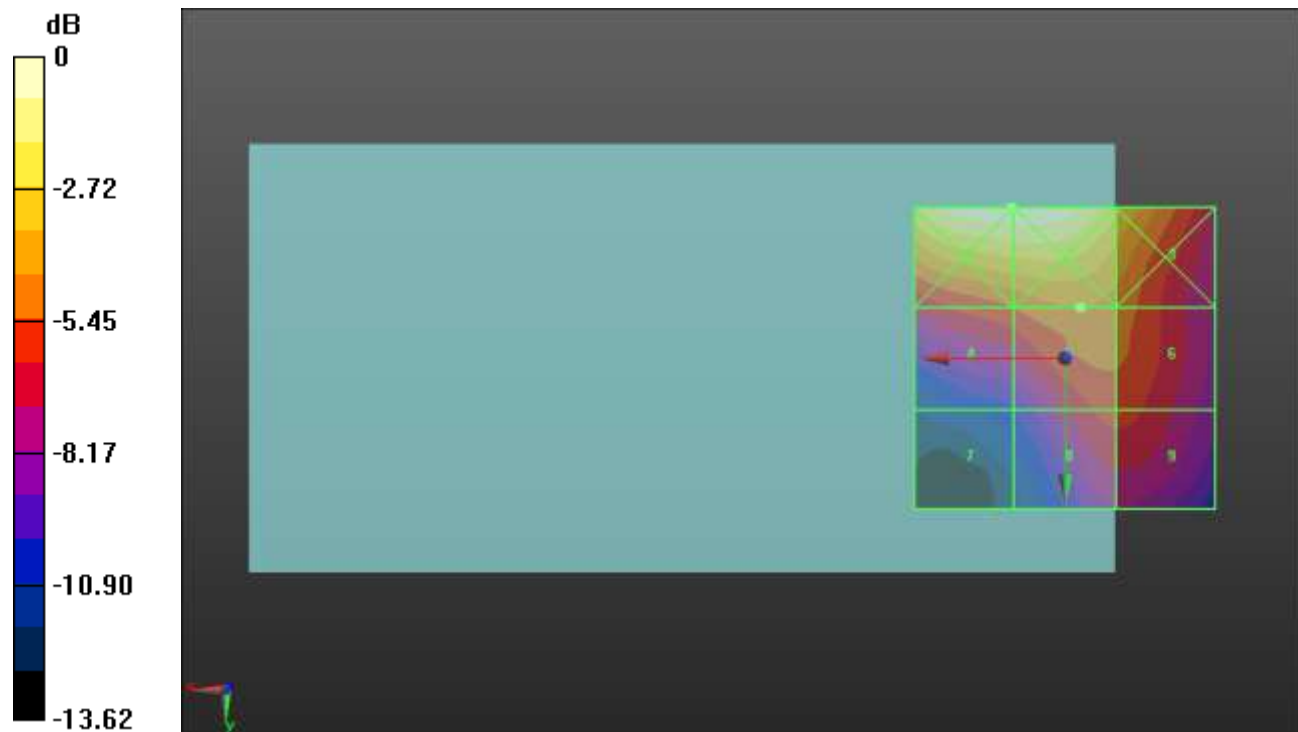
Applied MIF = 3.26 dB

RF audio interference level = 25.41 dBV/m

Emission category: **M4**

MIF scaled E-field

Grid 1 M4 29.95 dBV/m	Grid 2 M4 29.95 dBV/m	Grid 3 M4 27.5 dBV/m
Grid 4 M4 24.57 dBV/m	Grid 5 M4 25.41 dBV/m	Grid 6 M4 25.08 dBV/m
Grid 7 M4 20.11 dBV/m	Grid 8 M4 23.94 dBV/m	Grid 9 M4 23.94 dBV/m



0 dB = 31.44 V/m = 29.95 dBV/m

HAC-RF Emission

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

Phantom section: RF Section

DASY5 Configuration:

- Probe: EF3DV3 - SN4041; ConvF(1, 1, 1); Calibrated: 3/22/2019;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1540; Calibrated: 2/18/2019
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

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 = 14.85 V/m; Power Drift = -0.27 dB

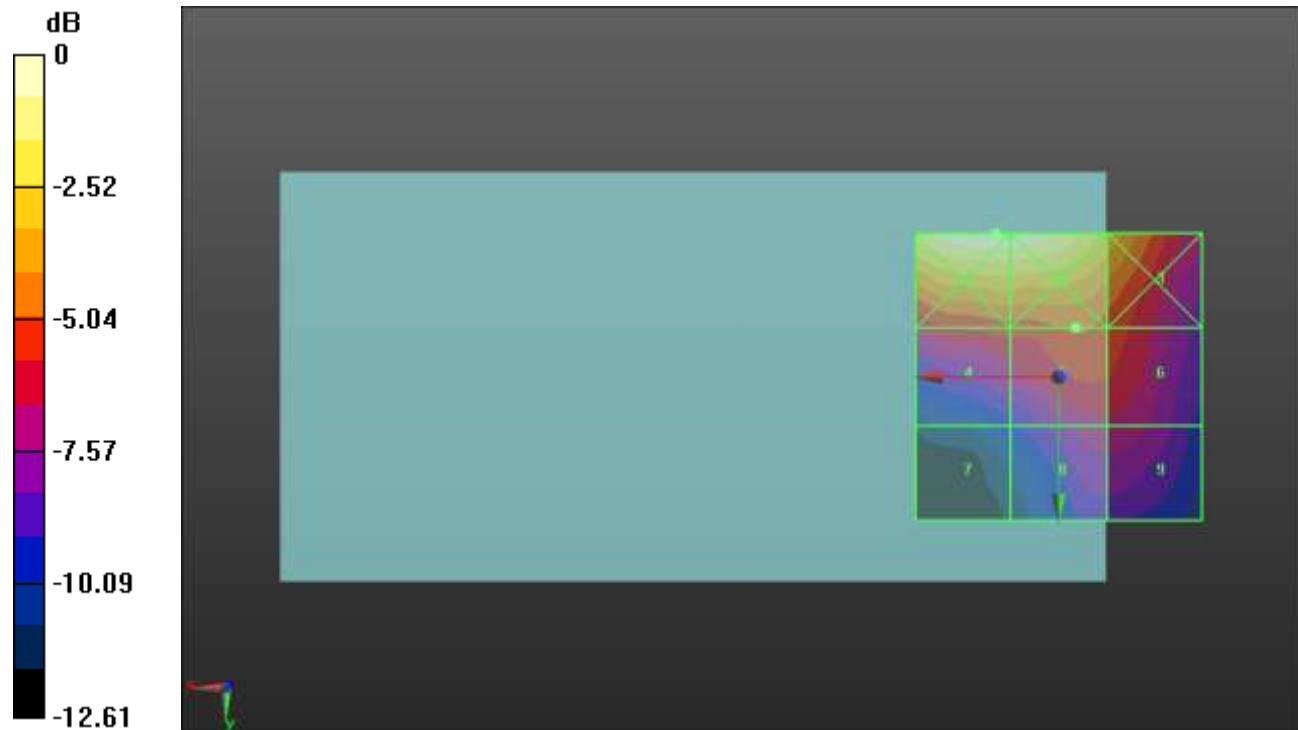
Applied MIF = 3.26 dB

RF audio interference level = 24.50 dBV/m

Emission category: **M4**

MIF scaled E-field

Grid 1 M4 29.42 dBV/m	Grid 2 M4 29.36 dBV/m	Grid 3 M4 26.76 dBV/m
Grid 4 M4 24.01 dBV/m	Grid 5 M4 24.5 dBV/m	Grid 6 M4 24.09 dBV/m
Grid 7 M4 19.93 dBV/m	Grid 8 M4 22.55 dBV/m	Grid 9 M4 22.55 dBV/m



0 dB = 29.58 V/m = 29.42 dBV/m

HAC-RF Emission

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

Phantom section: RF Section

DASY5 Configuration:

- Probe: EF3DV3 - SN4041; ConvF(1, 1, 1); Calibrated: 3/22/2019;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1540; Calibrated: 2/18/2019
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.8 (7);SEMCAD X Version 14.6.10 (7164)

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 = 12.26 V/m; Power Drift = -0.09 dB

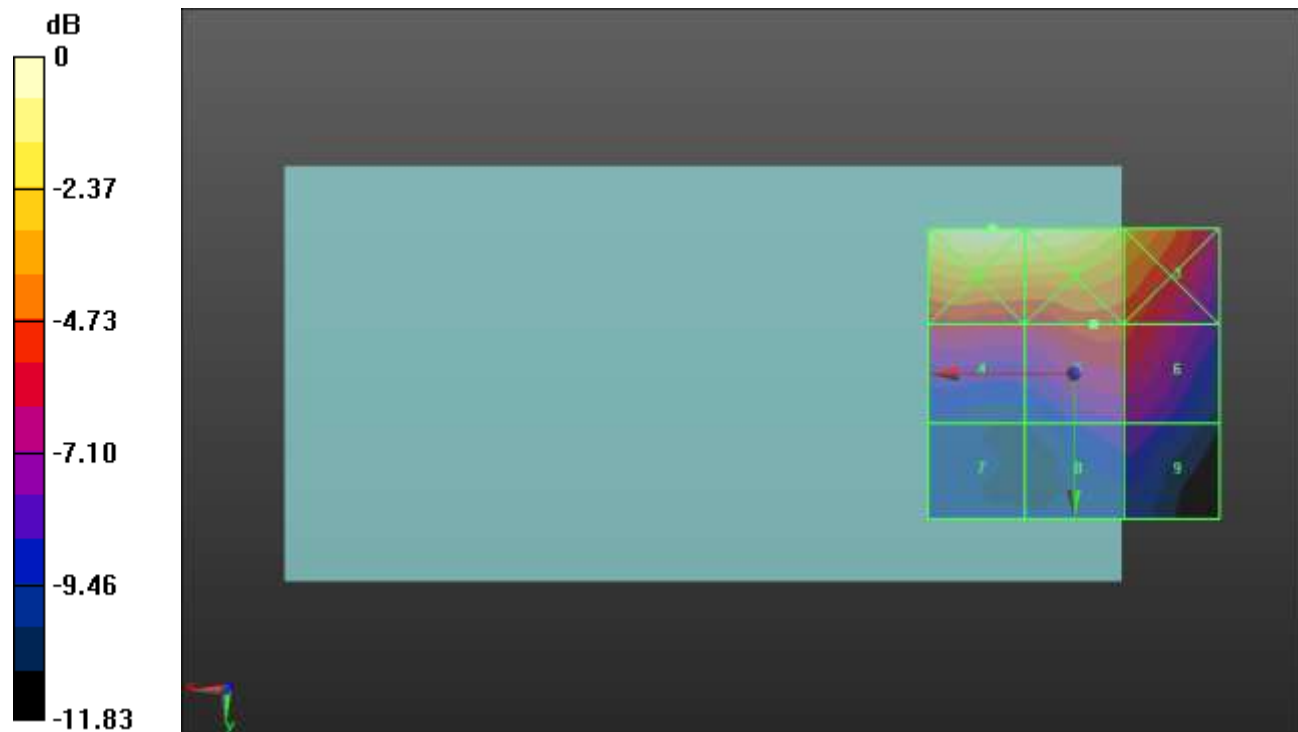
Applied MIF = 3.26 dB

RF audio interference level = 23.22 dBV/m

Emission category: **M4**

MIF scaled E-field

Grid 1 M4 28.3 dBV/m	Grid 2 M4 28.1 dBV/m	Grid 3 M4 25.83 dBV/m
Grid 4 M4 22.53 dBV/m	Grid 5 M4 23.22 dBV/m	Grid 6 M4 23.06 dBV/m
Grid 7 M4 19.21 dBV/m	Grid 8 M4 20.45 dBV/m	Grid 9 M4 20.47 dBV/m



0 dB = 25.99 V/m = 28.30 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); Calibrated: 3/22/2019;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1540; Calibrated: 2/18/2019
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

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 = 31.24 V/m; Power Drift = 0.00 dB

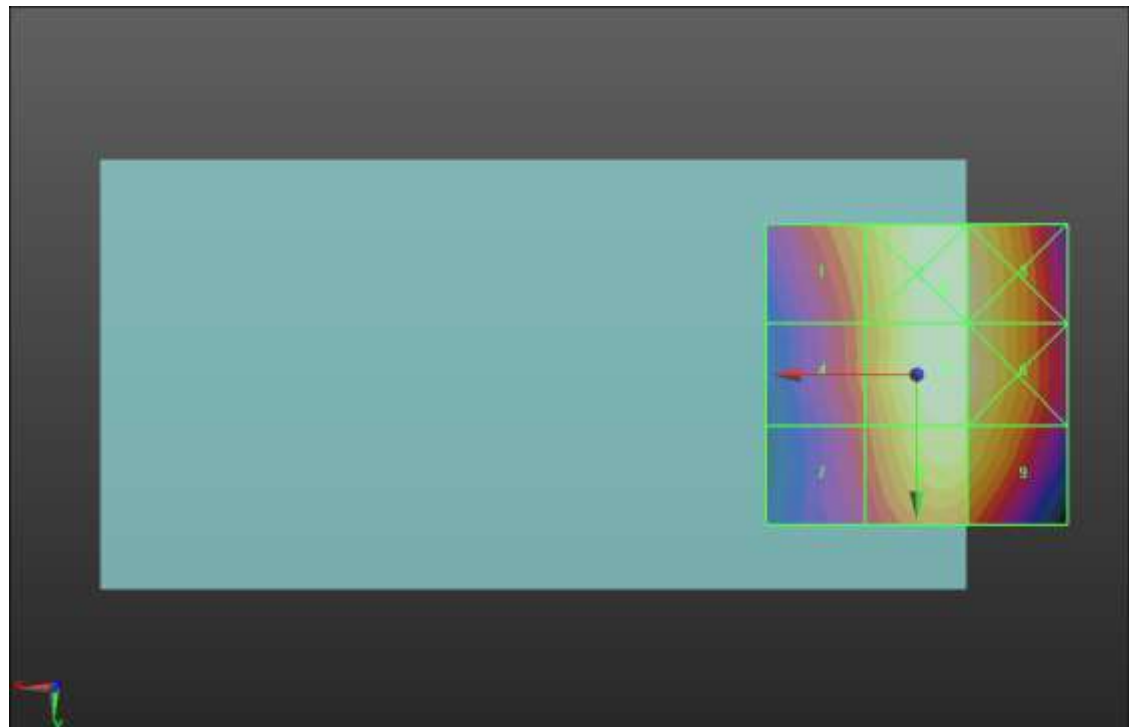
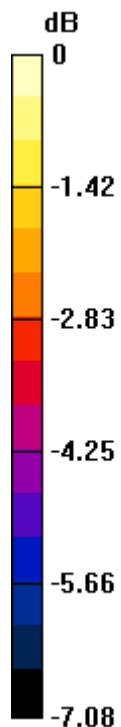
Applied MIF = 3.26 dB

RF audio interference level = 29.25 dBV/m

Emission category: **M4**

MIF scaled E-field

Grid 1 M4 27.62 dBV/m	Grid 2 M4 29.3 dBV/m	Grid 3 M4 29.02 dBV/m
Grid 4 M4 26.88 dBV/m	Grid 5 M4 29.25 dBV/m	Grid 6 M4 29.02 dBV/m
Grid 7 M4 26.35 dBV/m	Grid 8 M4 28.83 dBV/m	Grid 9 M4 28.61 dBV/m



0 dB = 29.17 V/m = 29.30 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); Calibrated: 3/22/2019;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1540; Calibrated: 2/18/2019
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

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 = 32.68 V/m; Power Drift = 0.04 dB

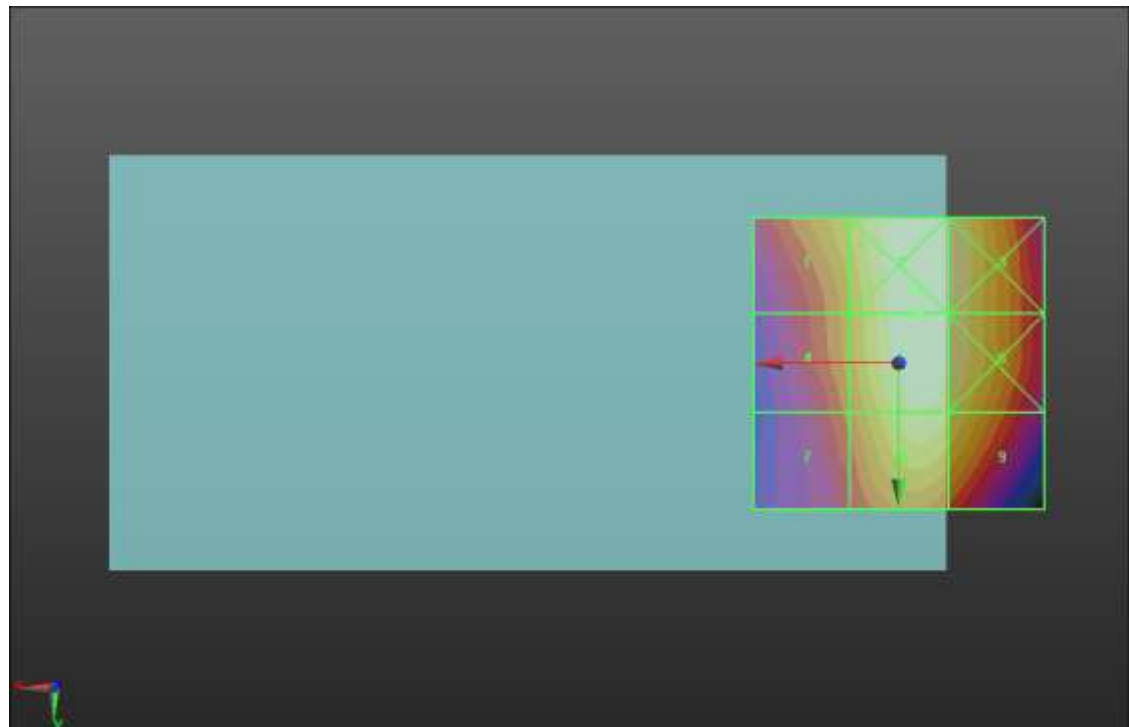
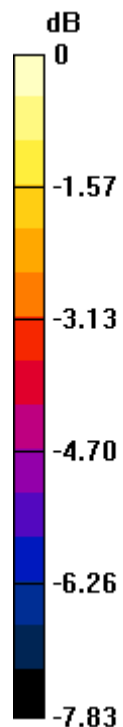
Applied MIF = 3.26 dB

RF audio interference level = 29.56 dBV/m

Emission category: **M4**

MIF scaled E-field

Grid 1 M4 28.12 dBV/m	Grid 2 M4 29.6 dBV/m	Grid 3 M4 29.27 dBV/m
Grid 4 M4 27.37 dBV/m	Grid 5 M4 29.56 dBV/m	Grid 6 M4 29.18 dBV/m
Grid 7 M4 26.74 dBV/m	Grid 8 M4 29.02 dBV/m	Grid 9 M4 28.66 dBV/m



0 dB = 30.20 V/m = 29.60 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); Calibrated: 3/22/2019;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1540; Calibrated: 2/18/2019
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.8 (7);SEMCAD X Version 14.6.10 (7164)

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 = 34.35 V/m; Power Drift = -0.38 dB

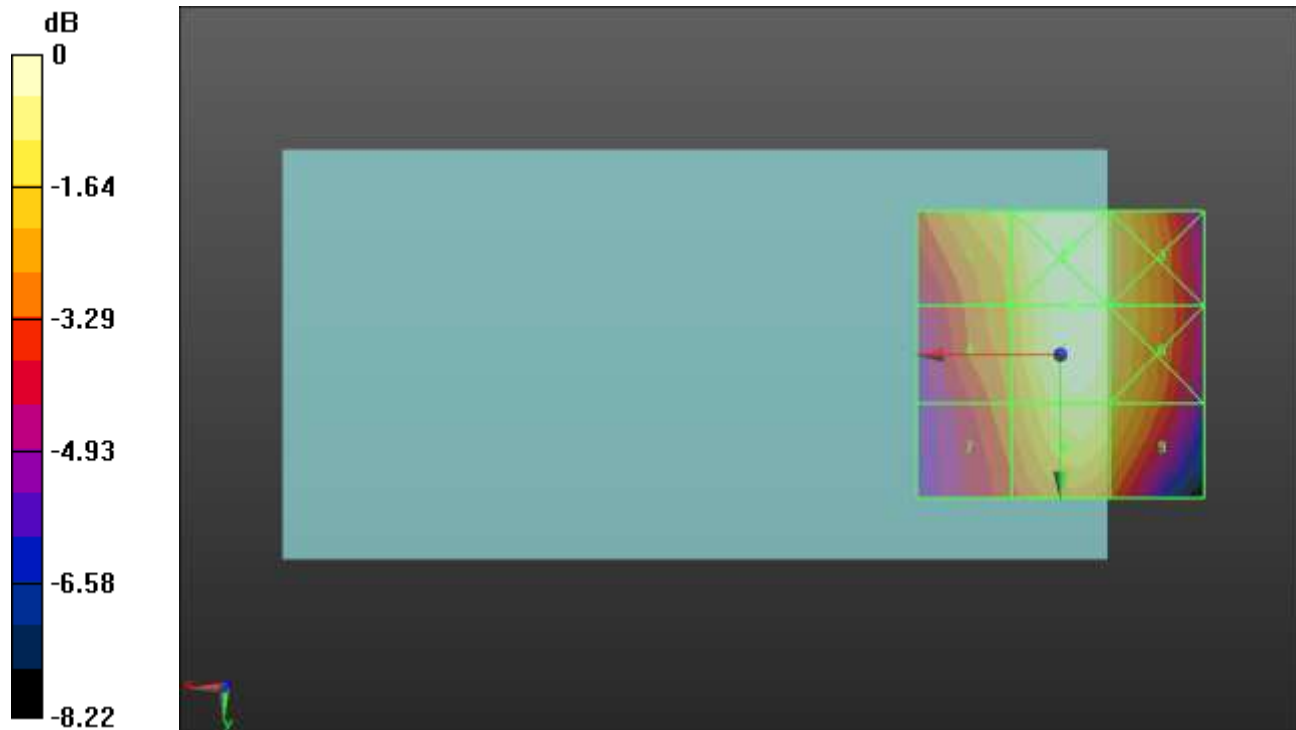
Applied MIF = 3.26 dB

RF audio interference level = 29.77 dBV/m

Emission category: **M4**

MIF scaled E-field

Grid 1 M4 28.68 dBV/m	Grid 2 M4 29.89 dBV/m	Grid 3 M4 29.28 dBV/m
Grid 4 M4 27.9 dBV/m	Grid 5 M4 29.77 dBV/m	Grid 6 M4 29.2 dBV/m
Grid 7 M4 27.36 dBV/m	Grid 8 M4 29.26 dBV/m	Grid 9 M4 28.68 dBV/m



0 dB = 31.24 V/m = 29.89 dBV/m

HAC-RF Emission

Communication System: UID 10173 - CAC, LTE-TDD (SC-FDMA, 1 RB, 20 MHz, 16-QAM); Frequency: 2506 MHz; Duty Cycle: 1:8.87156

Phantom section: RF Section

DASY5 Configuration:

- Probe: EF3DV3 - SN4041; ConvF(1, 1, 1); Calibrated: 3/22/2019;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1540; Calibrated: 2/18/2019
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

LTE Band 41 E-Field measurement/LTE TDD_16QAM_RB 1/49_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 = 20.44 V/m; Power Drift = -0.02 dB

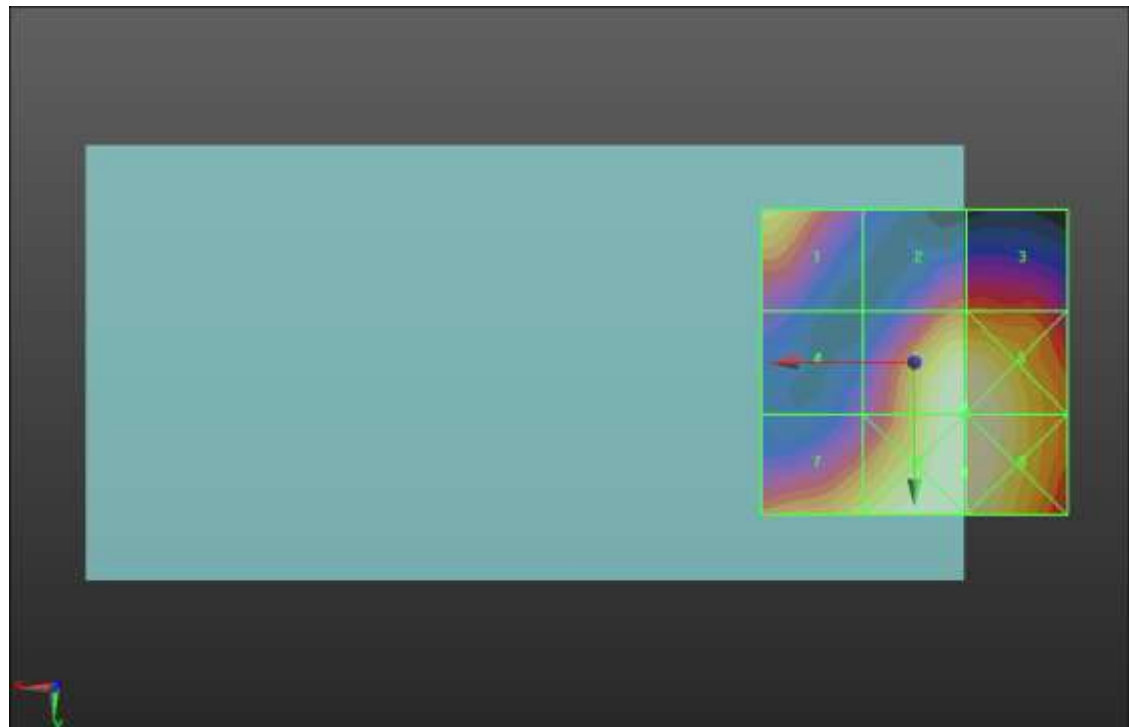
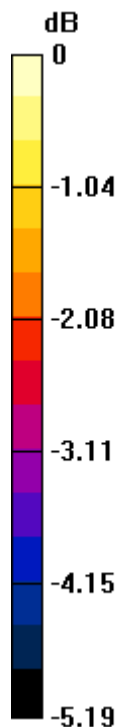
Applied MIF = -1.44 dB

RF audio interference level = 22.91 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 22.07 dBV/m	Grid 2 M4 20.93 dBV/m	Grid 3 M4 20.96 dBV/m
Grid 4 M4 19.67 dBV/m	Grid 5 M4 22.91 dBV/m	Grid 6 M4 22.91 dBV/m
Grid 7 M4 22.2 dBV/m	Grid 8 M4 22.93 dBV/m	Grid 9 M4 22.93 dBV/m



0 dB = 14.02 V/m = 22.93 dBV/m

HAC-RF Emission

Communication System: UID 10173 - CAC, LTE-TDD (SC-FDMA, 1 RB, 20 MHz, 16-QAM); Frequency: 2549.5 MHz; Duty Cycle: 1:8.87156

Phantom section: RF Section

DASY5 Configuration:

- Probe: EF3DV3 - SN4041; ConvF(1, 1, 1); Calibrated: 3/22/2019;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1540; Calibrated: 2/18/2019
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.8 (7);SEMCAD X Version 14.6.10 (7164)

LTE Band 41 E-Field measurement/LTE TDD_16QAM_RB 1/49_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 = 18.29 V/m; Power Drift = 0.17 dB

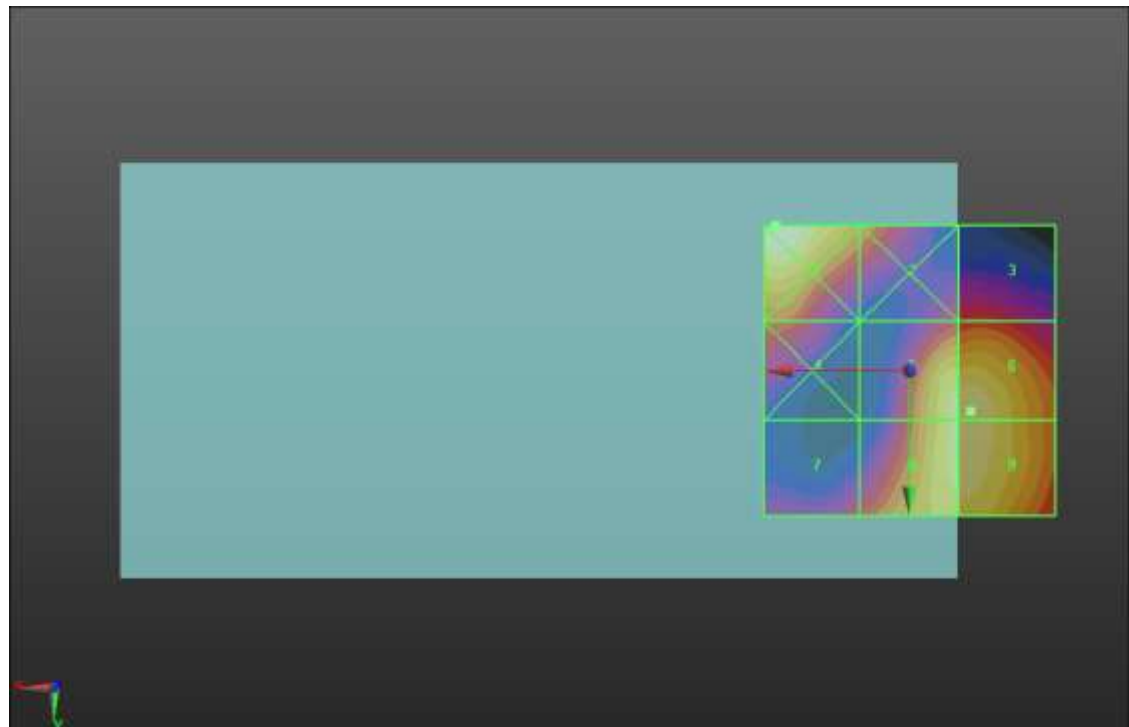
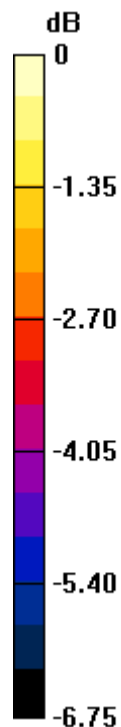
Applied MIF = -1.44 dB

RF audio interference level = 22.53 dBV/m

Emission category: **M4**

MIF scaled E-field

Grid 1 M4 23.15 dBV/m	Grid 2 M4 21.04 dBV/m	Grid 3 M4 20.21 dBV/m
Grid 4 M4 20.47 dBV/m	Grid 5 M4 22.44 dBV/m	Grid 6 M4 22.53 dBV/m
Grid 7 M4 20.09 dBV/m	Grid 8 M4 22.43 dBV/m	Grid 9 M4 22.51 dBV/m



0 dB = 14.37 V/m = 23.15 dBV/m

HAC-RF Emission

Communication System: UID 10173 - CAC, LTE-TDD (SC-FDMA, 1 RB, 20 MHz, 16-QAM); Frequency: 2593 MHz; Duty Cycle: 1:8.87156

Phantom section: RF Section

DASY5 Configuration:

- Probe: EF3DV3 - SN4041; ConvF(1, 1, 1); Calibrated: 3/22/2019;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1540; Calibrated: 2/18/2019
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.8 (7);SEMCAD X Version 14.6.10 (7164)

LTE Band 41 E-Field measurement/LTE TDD_16QAM_RB 1/49_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 = 20.01 V/m; Power Drift = -0.22 dB

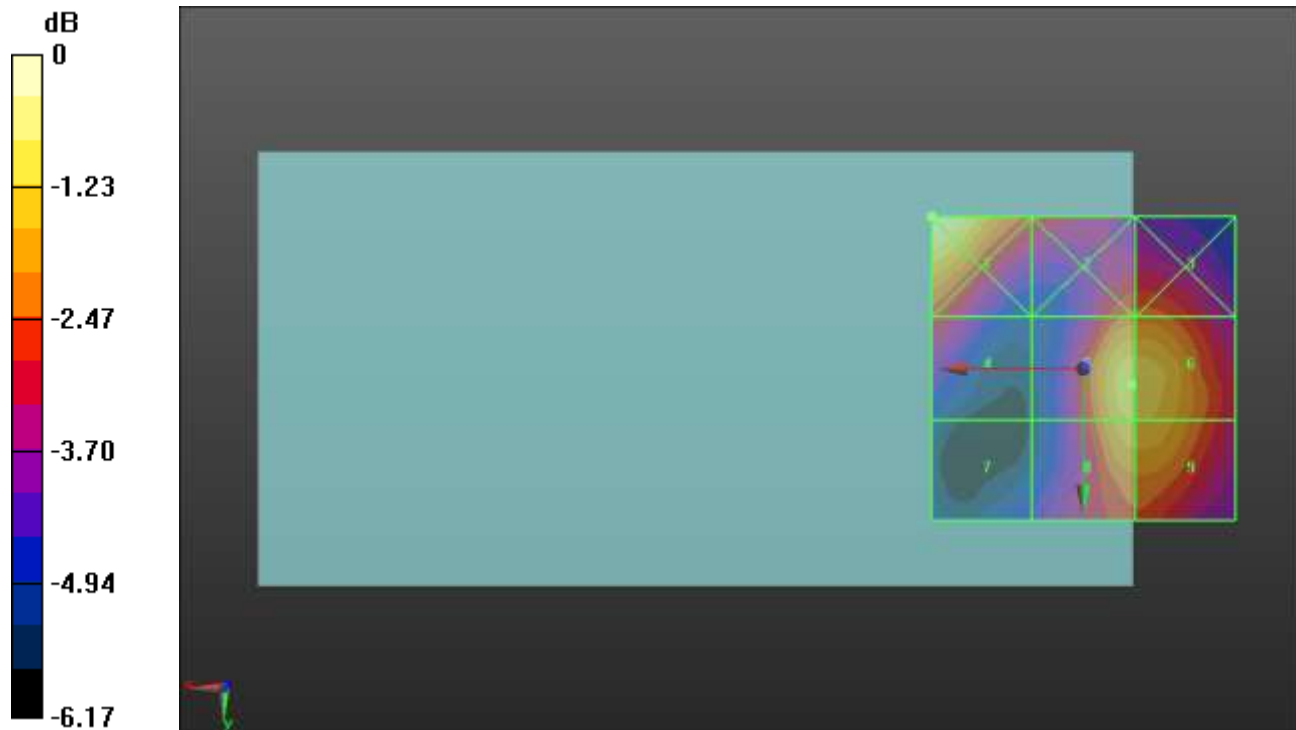
Applied MIF = -1.44 dB

RF audio interference level = 21.77 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 22.74 dBV/m	Grid 2 M4 20.49 dBV/m	Grid 3 M4 20.52 dBV/m
Grid 4 M4 20.02 dBV/m	Grid 5 M4 21.77 dBV/m	Grid 6 M4 21.77 dBV/m
Grid 7 M4 18.34 dBV/m	Grid 8 M4 21.52 dBV/m	Grid 9 M4 21.53 dBV/m



0 dB = 13.70 V/m = 22.73 dBV/m

HAC-RF Emission

Communication System: UID 10173 - CAC, LTE-TDD (SC-FDMA, 1 RB, 20 MHz, 16-QAM); Frequency: 2636.5 MHz; Duty Cycle: 1:8.87156

Phantom section: RF Section

DASY5 Configuration:

- Probe: EF3DV3 - SN4041; ConvF(1, 1, 1); Calibrated: 3/22/2019;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1540; Calibrated: 2/18/2019
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.8 (7);SEMCAD X Version 14.6.10 (7164)

LTE Band 41 E-Field measurement/LTE TDD_16QAM_RB 1/49_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 = 17.52 V/m; Power Drift = -0.07 dB

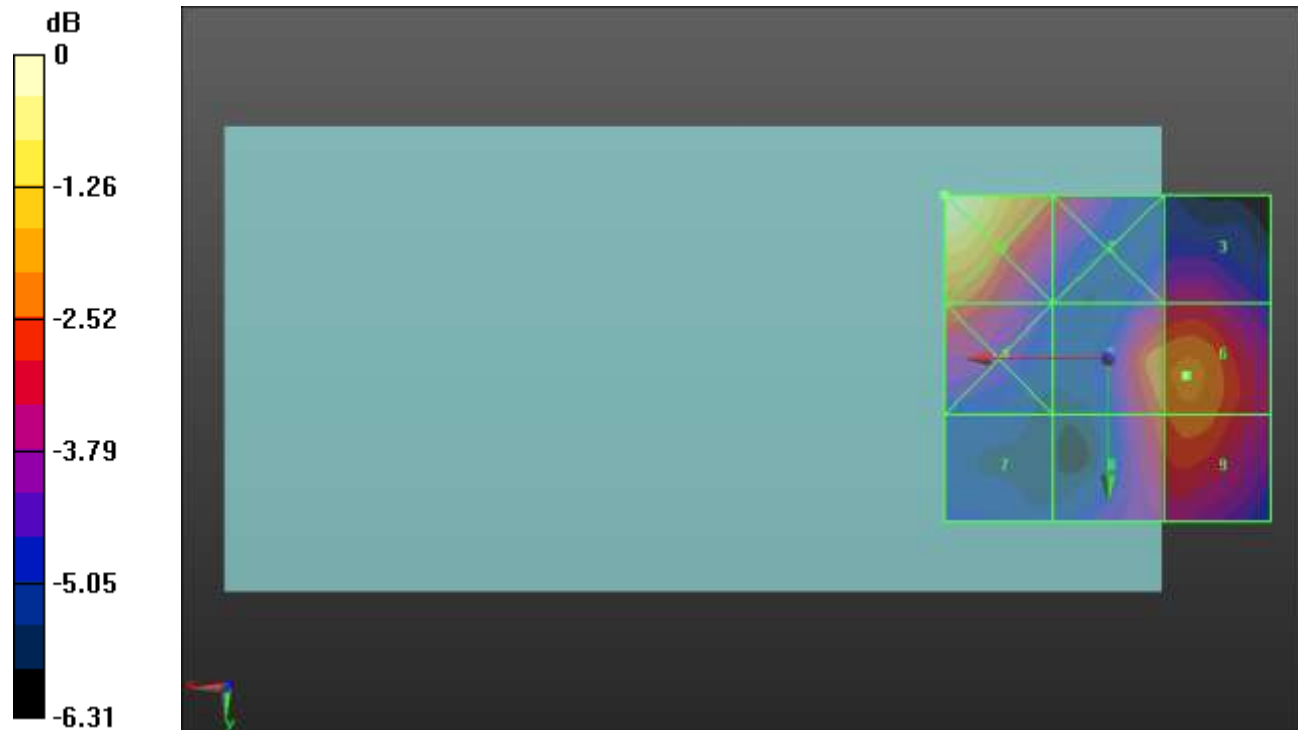
Applied MIF = -1.44 dB

RF audio interference level = 20.40 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 22.38 dBV/m	Grid 2 M4 19.71 dBV/m	Grid 3 M4 19.06 dBV/m
Grid 4 M4 20 dBV/m	Grid 5 M4 20.21 dBV/m	Grid 6 M4 20.4 dBV/m
Grid 7 M4 17.69 dBV/m	Grid 8 M4 19.82 dBV/m	Grid 9 M4 20.14 dBV/m



0 dB = 13.15 V/m = 22.38 dBV/m

HAC-RF Emission

Communication System: UID 10173 - CAC, LTE-TDD (SC-FDMA, 1 RB, 20 MHz, 16-QAM); Frequency: 2680 MHz; Duty Cycle: 1:8.87156

Phantom section: RF Section

DASY5 Configuration:

- Probe: EF3DV3 - SN4041; ConvF(1, 1, 1); Calibrated: 3/22/2019;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1540; Calibrated: 2/18/2019
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.8 (7);SEMCAD X Version 14.6.10 (7164)

LTE Band 41 E-Field measurement/LTE TDD_16QAM_RB 1/49_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 = 17.98 V/m; Power Drift = 0.20 dB

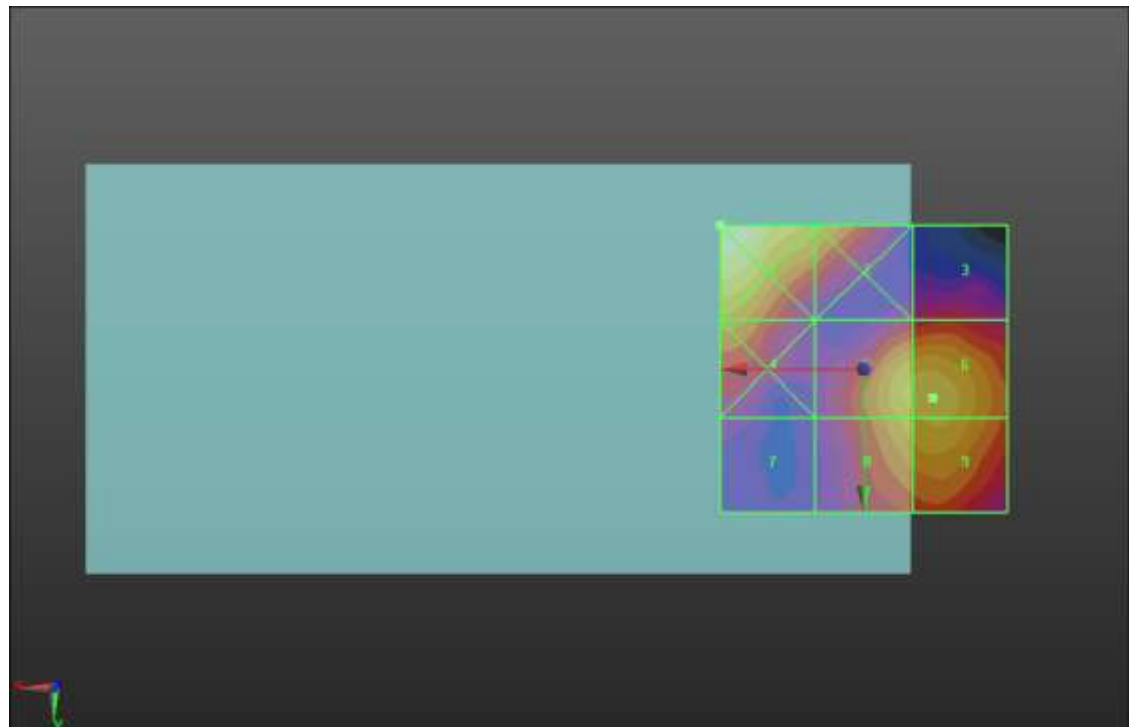
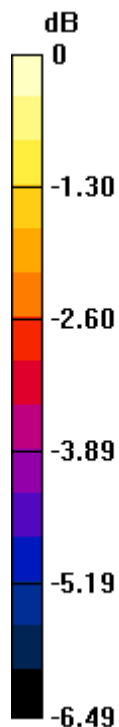
Applied MIF = -1.44 dB

RF audio interference level = 20.17 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 21.17 dBV/m	Grid 2 M4 19.64 dBV/m	Grid 3 M4 18.12 dBV/m
Grid 4 M4 19.32 dBV/m	Grid 5 M4 20.01 dBV/m	Grid 6 M4 20.17 dBV/m
Grid 7 M4 17.21 dBV/m	Grid 8 M4 19.77 dBV/m	Grid 9 M4 20 dBV/m



0 dB = 11.45 V/m = 21.18 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 = 27.85 V/m; Power Drift = -0.00 dB

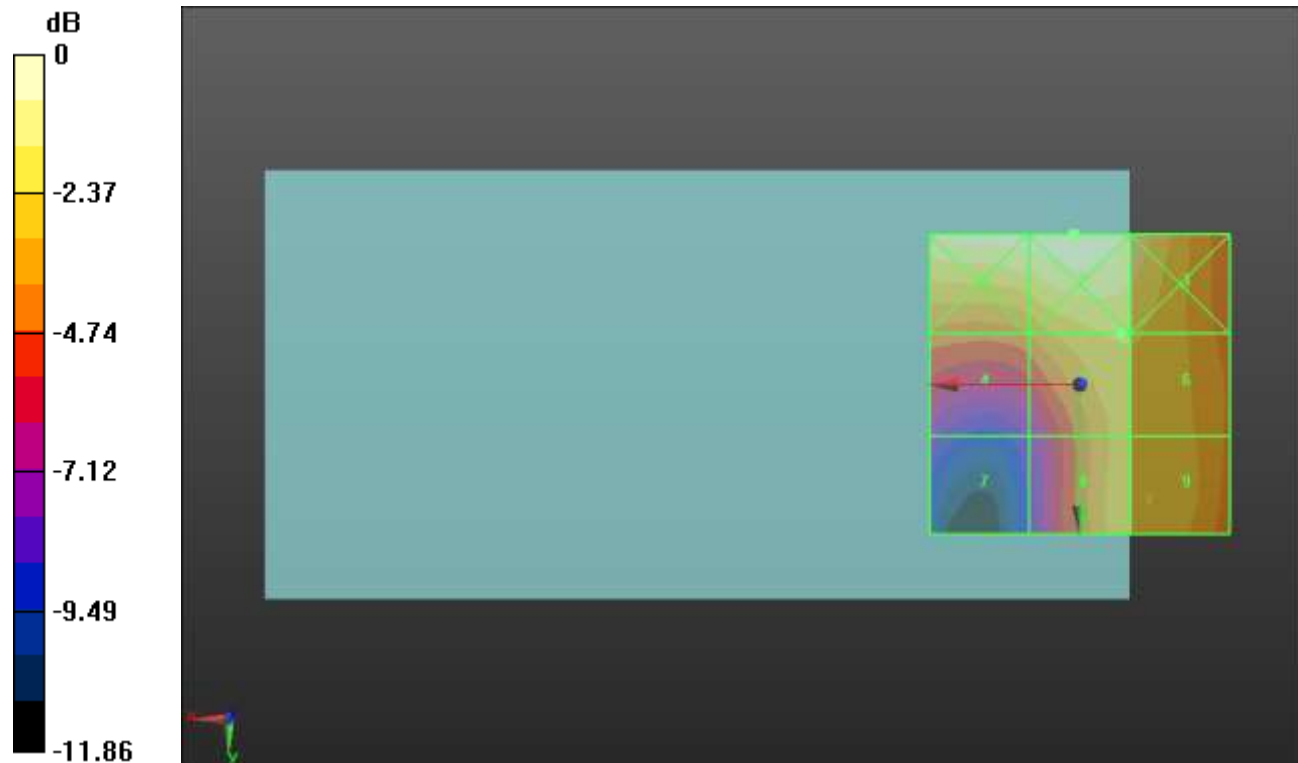
Applied MIF = 3.63 dB

RF audio interference level = 31.43 dBV/m

Emission category: M3

MIF scaled E-field

Grid 1 M3 33.38 dBV/m	Grid 2 M3 33.68 dBV/m	Grid 3 M3 32.72 dBV/m
Grid 4 M4 29.79 dBV/m	Grid 5 M3 31.43 dBV/m	Grid 6 M3 31.41 dBV/m
Grid 7 M4 26.18 dBV/m	Grid 8 M3 31.19 dBV/m	Grid 9 M3 31.33 dBV/m



0 dB = 48.32 V/m = 33.68 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 = 28.48 V/m; Power Drift = -0.18 dB

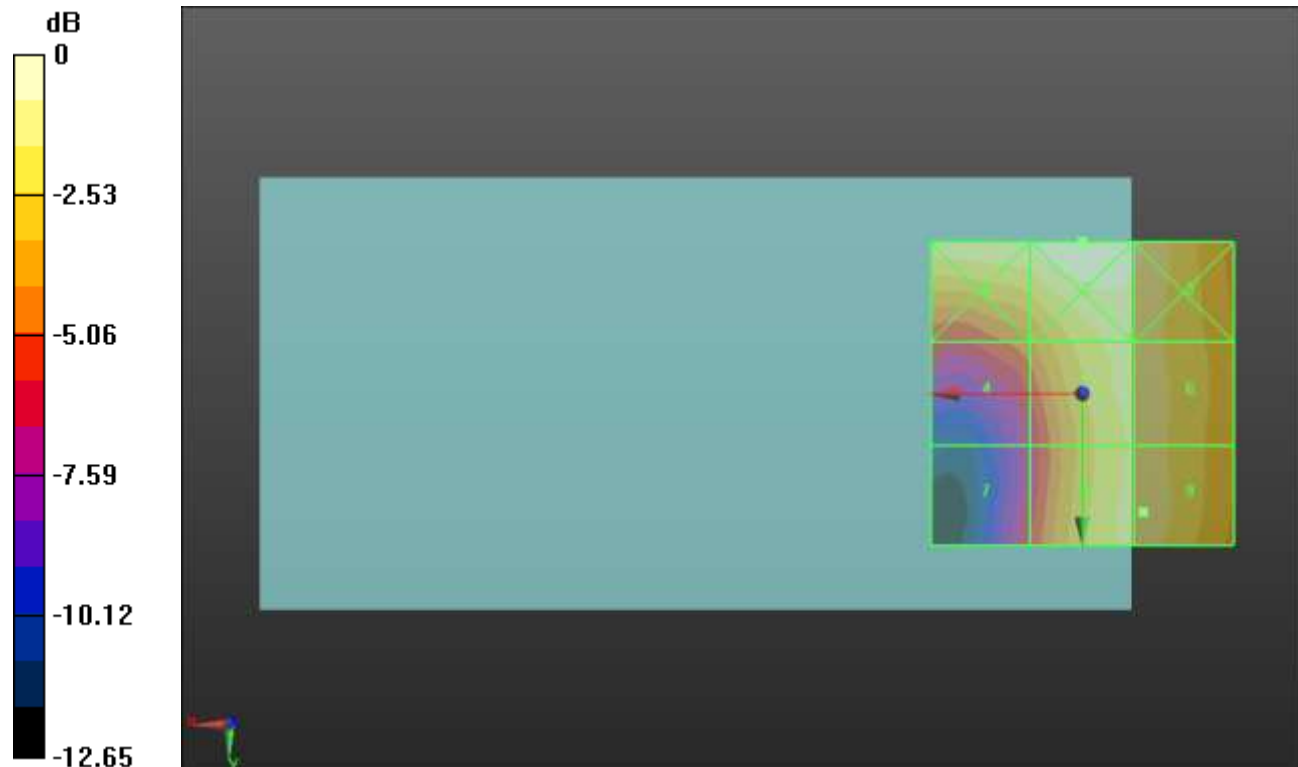
Applied MIF = 3.63 dB

RF audio interference level = 31.15 dBV/m

Emission category: M3

MIF scaled E-field

Grid 1 M3 31.86 dBV/m	Grid 2 M3 32.49 dBV/m	Grid 3 M3 31.9 dBV/m
Grid 4 M4 28.17 dBV/m	Grid 5 M3 31.1 dBV/m	Grid 6 M3 31.1 dBV/m
Grid 7 M4 26.56 dBV/m	Grid 8 M3 31.1 dBV/m	Grid 9 M3 31.15 dBV/m



0 dB = 42.14 V/m = 32.49 dBV/m

HAC-RF Emission

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

Phantom section: RF Section

DASY5 Configuration:

- Probe: EF3DV3 - SN4041; ConvF(1, 1, 1) @ 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 = 27.67 V/m; Power Drift = -0.40 dB

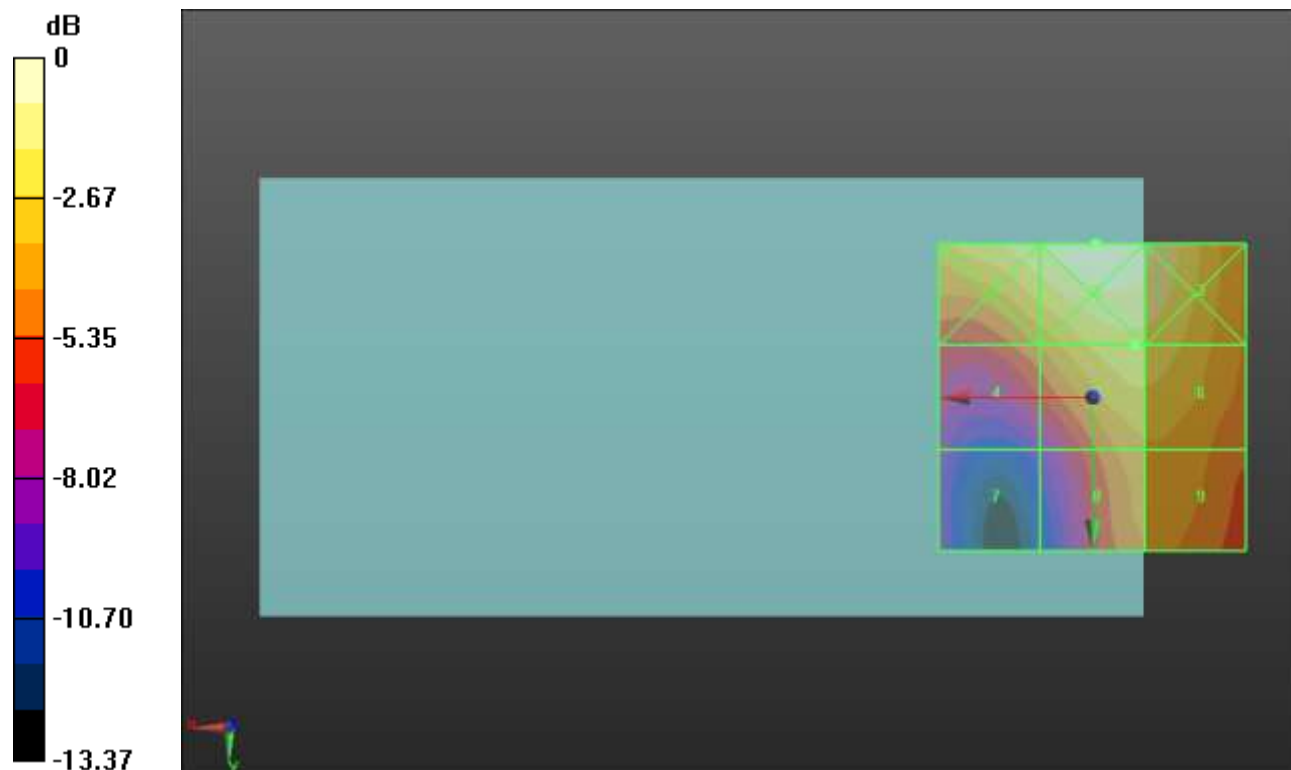
Applied MIF = 3.63 dB

RF audio interference level = 31.54 dBV/m

Emission category: M3

MIF scaled E-field

Grid 1 M3 32.72 dBV/m	Grid 2 M3 33.6 dBV/m	Grid 3 M3 32.99 dBV/m
Grid 4 M4 29.31 dBV/m	Grid 5 M3 31.54 dBV/m	Grid 6 M3 31.52 dBV/m
Grid 7 M4 25.44 dBV/m	Grid 8 M4 29.85 dBV/m	Grid 9 M4 29.92 dBV/m



0 dB = 47.85 V/m = 33.60 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 = 9.924 V/m; Power Drift = -0.08 dB

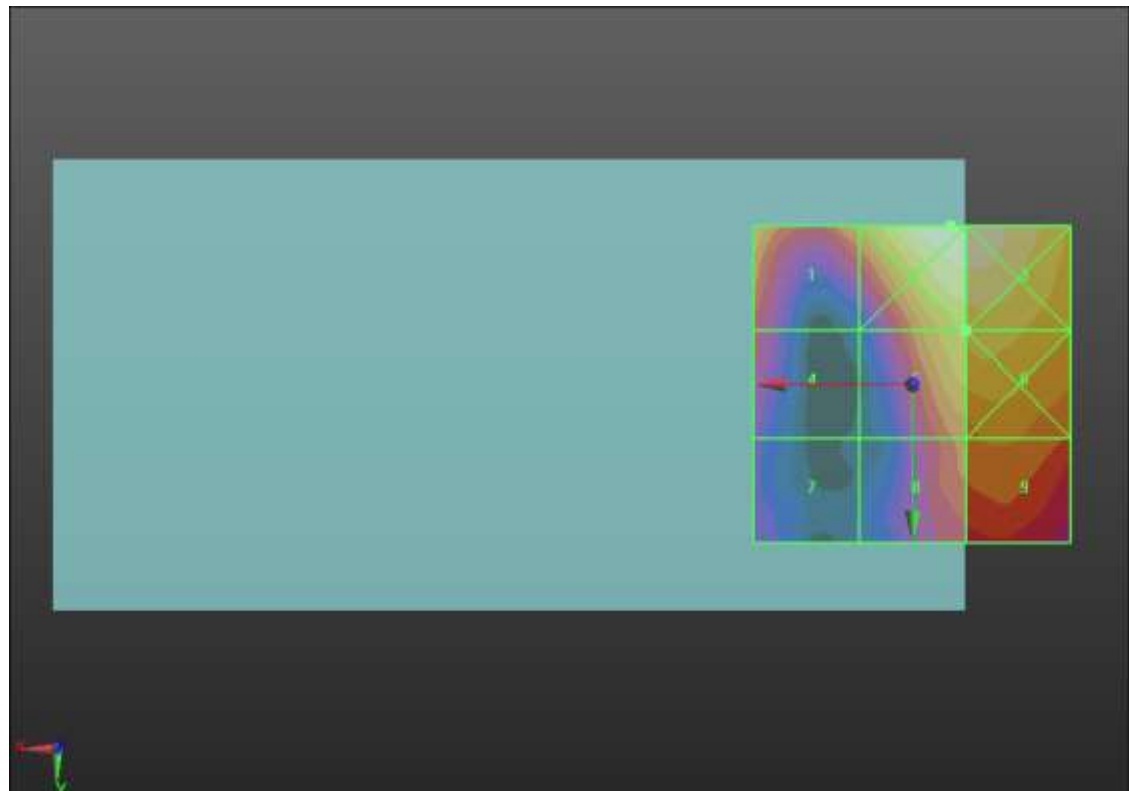
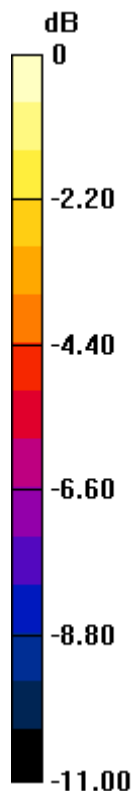
Applied MIF = -1.44 dB

RF audio interference level = 19.09 dBV/m

Emission category: **M4**

MIF scaled E-field

Grid 1 M4 18.48 dBV/m	Grid 2 M4 21.08 dBV/m	Grid 3 M4 20.95 dBV/m
Grid 4 M4 15.68 dBV/m	Grid 5 M4 19.09 dBV/m	Grid 6 M4 19.3 dBV/m
Grid 7 M4 13.72 dBV/m	Grid 8 M4 17.12 dBV/m	Grid 9 M4 17.53 dBV/m



0 dB = 11.32 V/m = 21.08 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 = 11.68 V/m; Power Drift = -0.17 dB

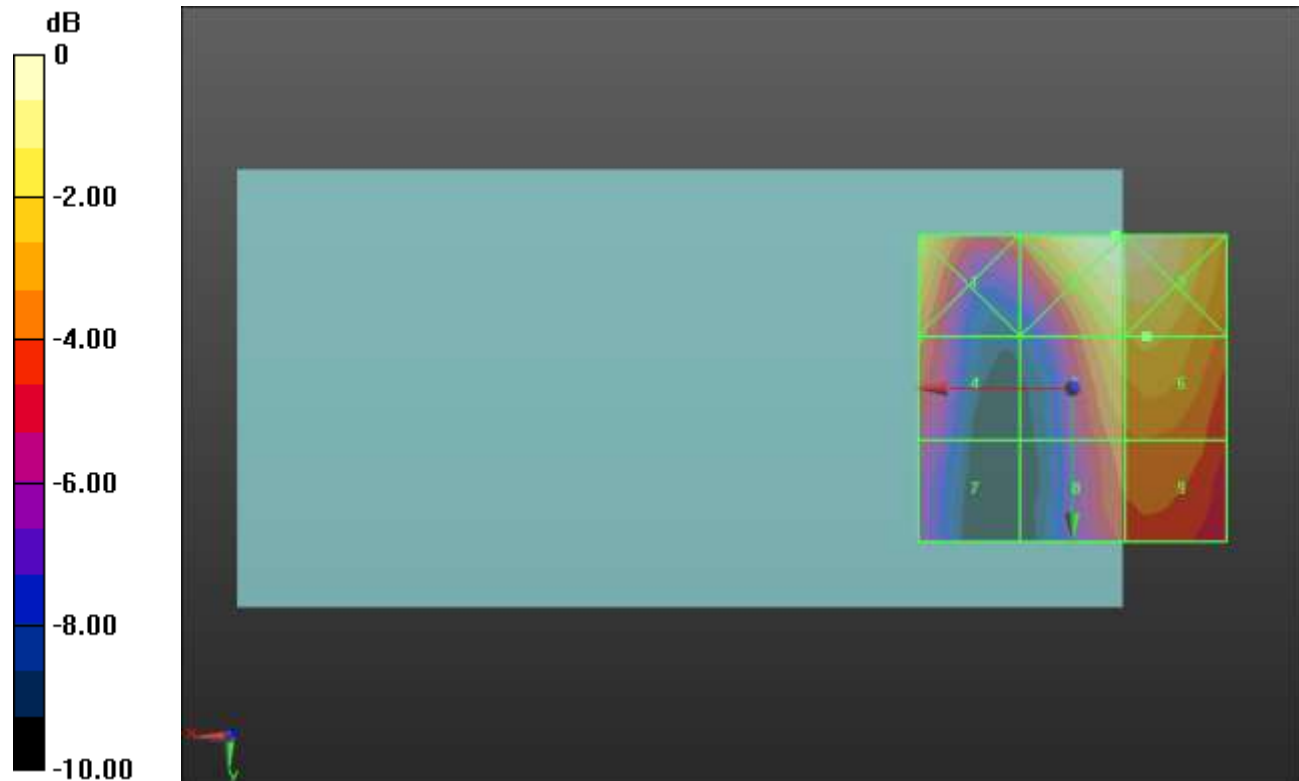
Applied MIF = -1.44 dB

RF audio interference level = 21.30 dBV/m

Emission category: **M4**

MIF scaled E-field

Grid 1 M4 21.79 dBV/m	Grid 2 M4 23.14 dBV/m	Grid 3 M4 23.11 dBV/m
Grid 4 M4 19.45 dBV/m	Grid 5 M4 21.08 dBV/m	Grid 6 M4 21.3 dBV/m
Grid 7 M4 17.56 dBV/m	Grid 8 M4 19.58 dBV/m	Grid 9 M4 19.8 dBV/m



0 dB = 14.36 V/m = 23.14 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 = 10.37 V/m; Power Drift = -0.12 dB

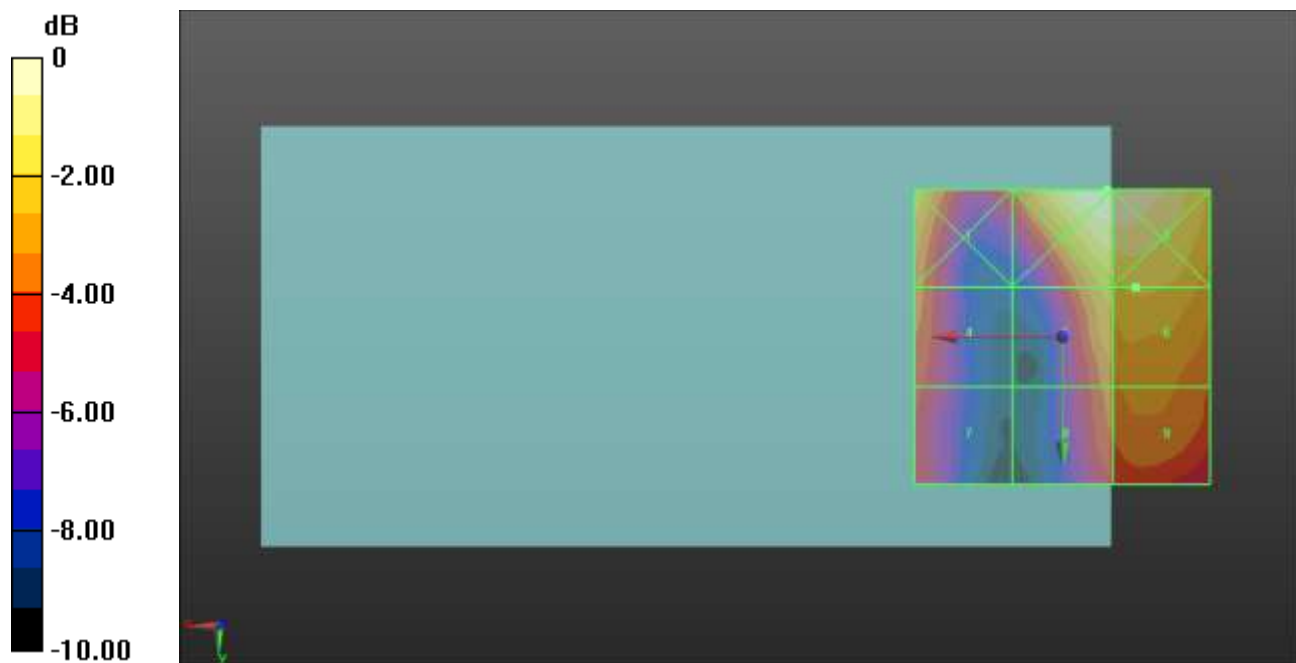
Applied MIF = -1.44 dB

RF audio interference level = 20.98 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 21.09 dBV/m	Grid 2 M4 22.86 dBV/m	Grid 3 M4 22.85 dBV/m
Grid 4 M4 19.26 dBV/m	Grid 5 M4 20.62 dBV/m	Grid 6 M4 20.98 dBV/m
Grid 7 M4 18.43 dBV/m	Grid 8 M4 19.31 dBV/m	Grid 9 M4 19.76 dBV/m



0 dB = 13.90 V/m = 22.86 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 = 8.009 V/m; Power Drift = -0.07 dB

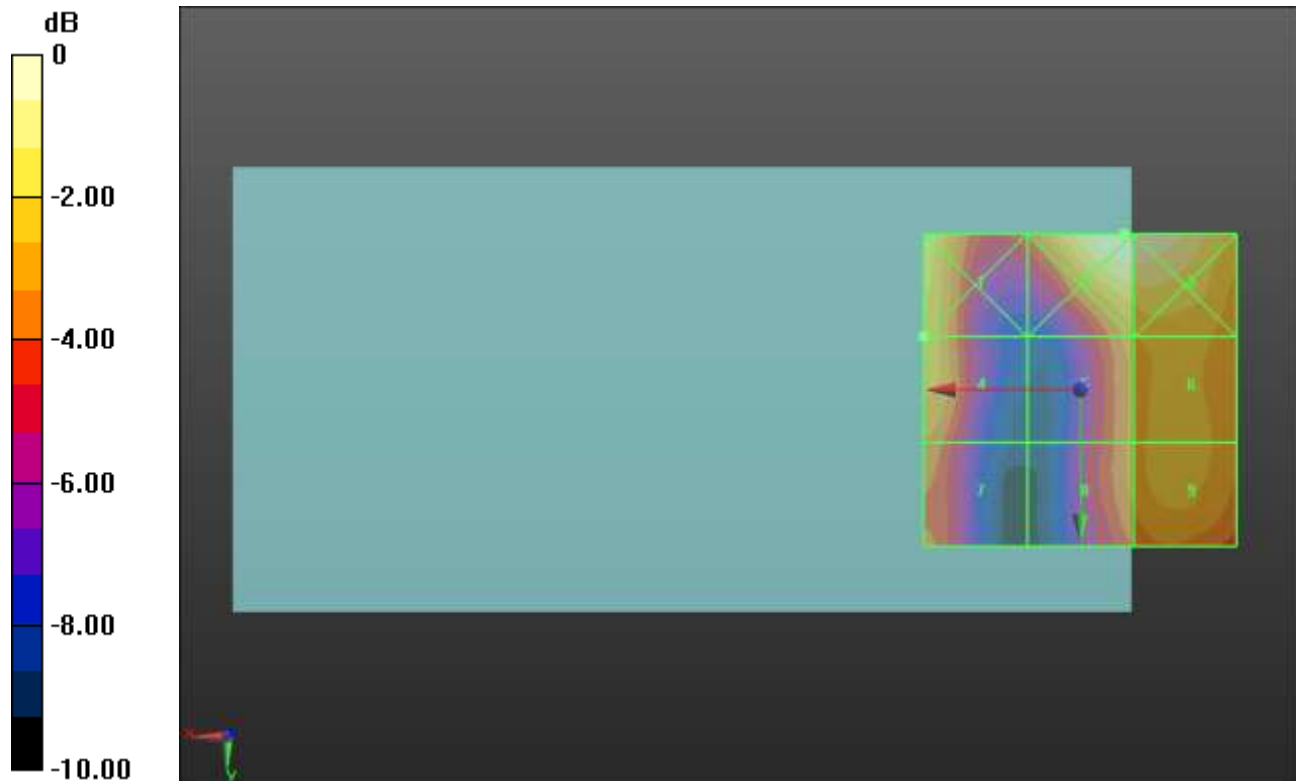
Applied MIF = -1.44 dB

RF audio interference level = 19.14 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 20.31 dBV/m	Grid 2 M4 21.23 dBV/m	Grid 3 M4 21.18 dBV/m
Grid 4 M4 19.14 dBV/m	Grid 5 M4 18.45 dBV/m	Grid 6 M4 18.93 dBV/m
Grid 7 M4 17.84 dBV/m	Grid 8 M4 18.18 dBV/m	Grid 9 M4 18.95 dBV/m



0 dB = 11.53 V/m = 21.24 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 = 7.072 V/m; Power Drift = -0.04 dB

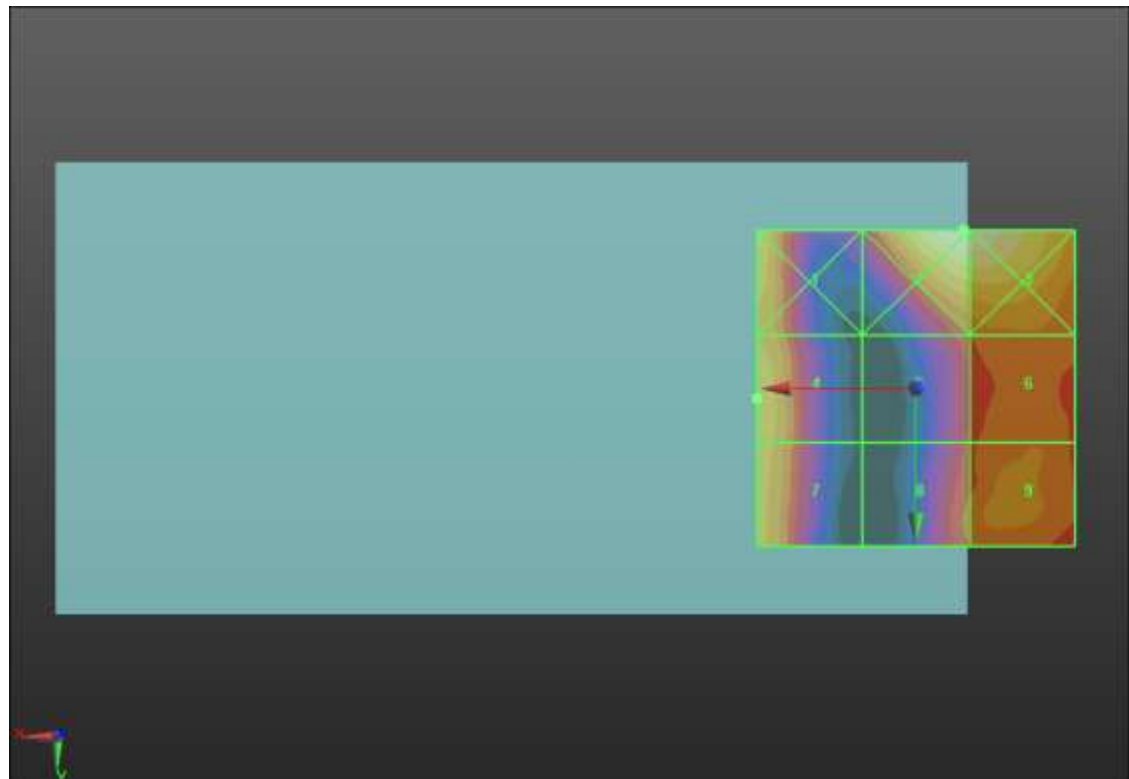
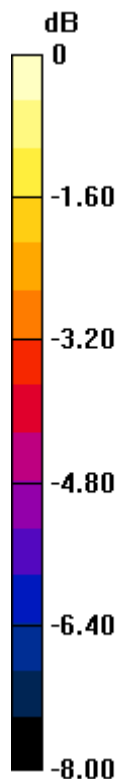
Applied MIF = -1.44 dB

RF audio interference level = 19.15 dBV/m

Emission category: **M4**

MIF scaled E-field

Grid 1 M4 19.76 dBV/m	Grid 2 M4 20.9 dBV/m	Grid 3 M4 20.89 dBV/m
Grid 4 M4 19.15 dBV/m	Grid 5 M4 17.73 dBV/m	Grid 6 M4 18.21 dBV/m
Grid 7 M4 18.97 dBV/m	Grid 8 M4 17.89 dBV/m	Grid 9 M4 18.49 dBV/m



0 dB = 11.09 V/m = 20.90 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 Power Class 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 = 9.690 V/m; Power Drift = -0.00 dB

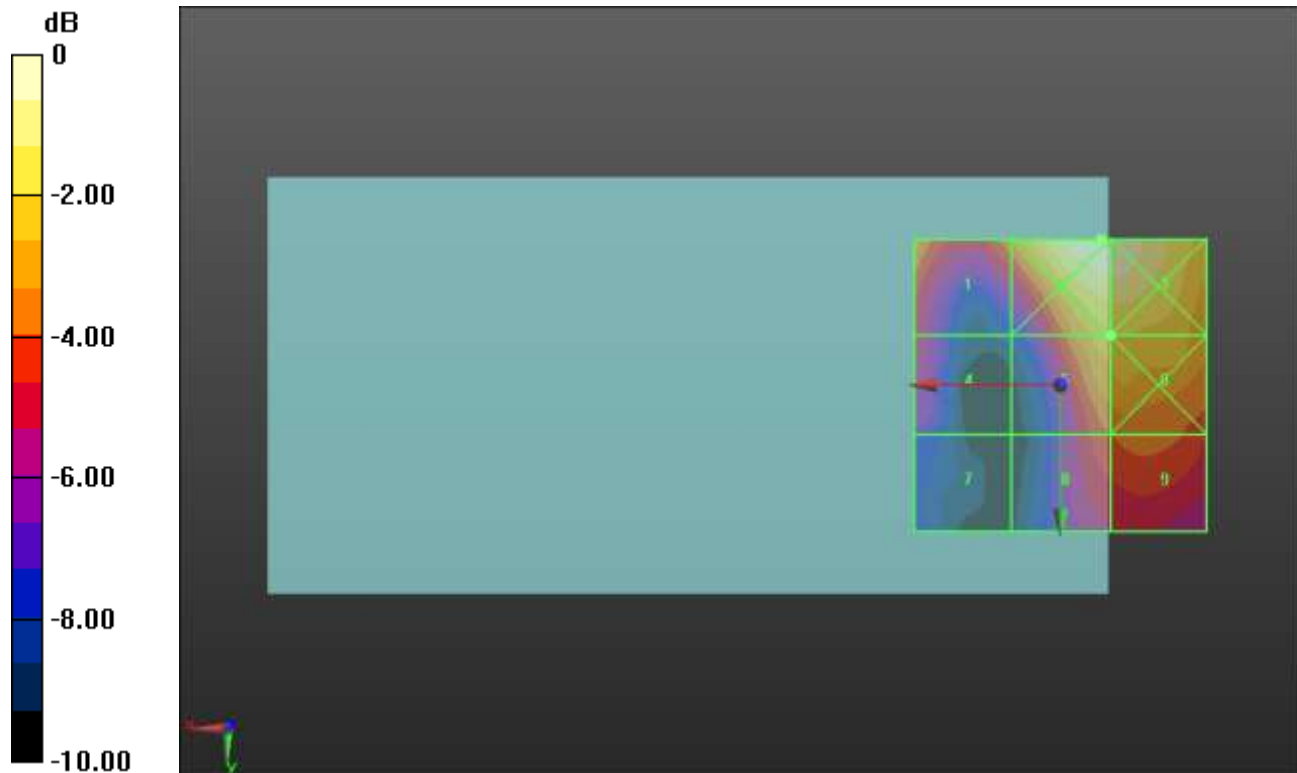
Applied MIF = -1.44 dB

RF audio interference level = 18.93 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 18.21 dBV/m	Grid 2 M4 21.05 dBV/m	Grid 3 M4 21.03 dBV/m
Grid 4 M4 15.99 dBV/m	Grid 5 M4 18.93 dBV/m	Grid 6 M4 19.07 dBV/m
Grid 7 M4 13.98 dBV/m	Grid 8 M4 17.07 dBV/m	Grid 9 M4 17.34 dBV/m



0 dB = 11.29 V/m = 21.05 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 Power Class 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 = 10.54 V/m; Power Drift = -0.12 dB

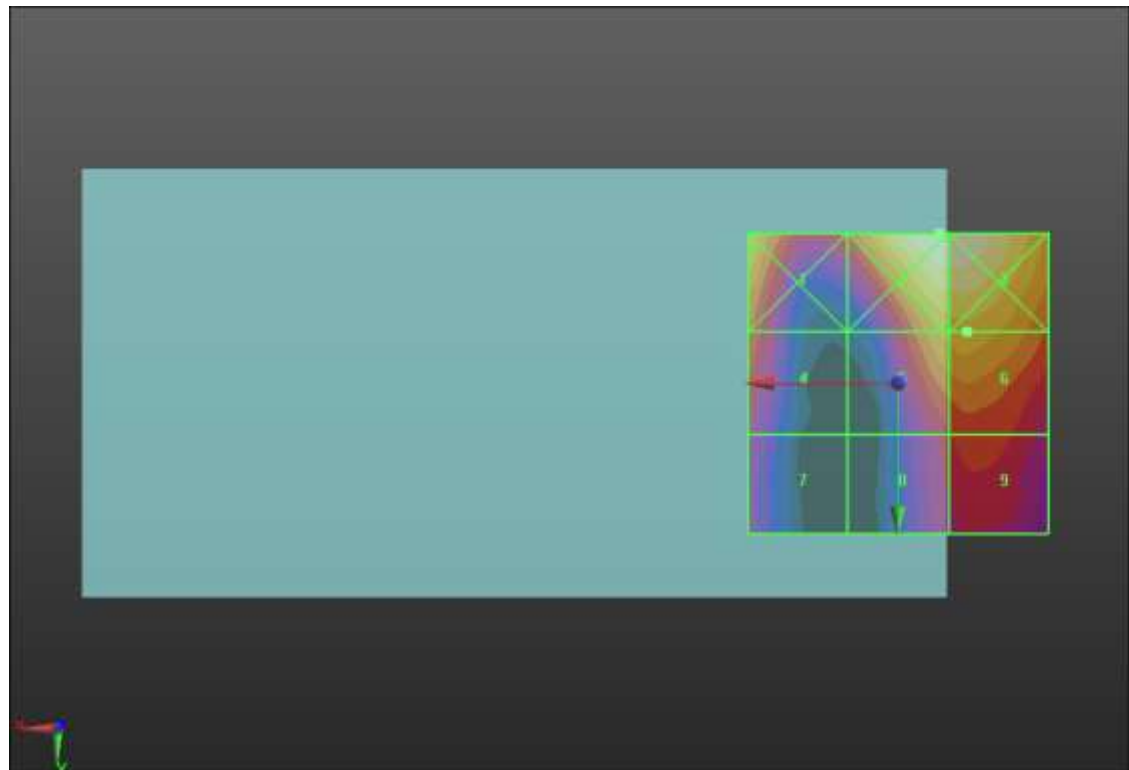
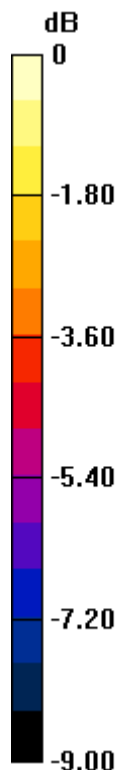
Applied MIF = -1.44 dB

RF audio interference level = 20.93 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 21.61 dBV/m	Grid 2 M4 22.95 dBV/m	Grid 3 M4 22.93 dBV/m
Grid 4 M4 19.49 dBV/m	Grid 5 M4 20.76 dBV/m	Grid 6 M4 20.93 dBV/m
Grid 7 M4 17.81 dBV/m	Grid 8 M4 18.7 dBV/m	Grid 9 M4 19.14 dBV/m



0 dB = 14.05 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: 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 Power Class 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 = 10.05 V/m; Power Drift = -0.11 dB

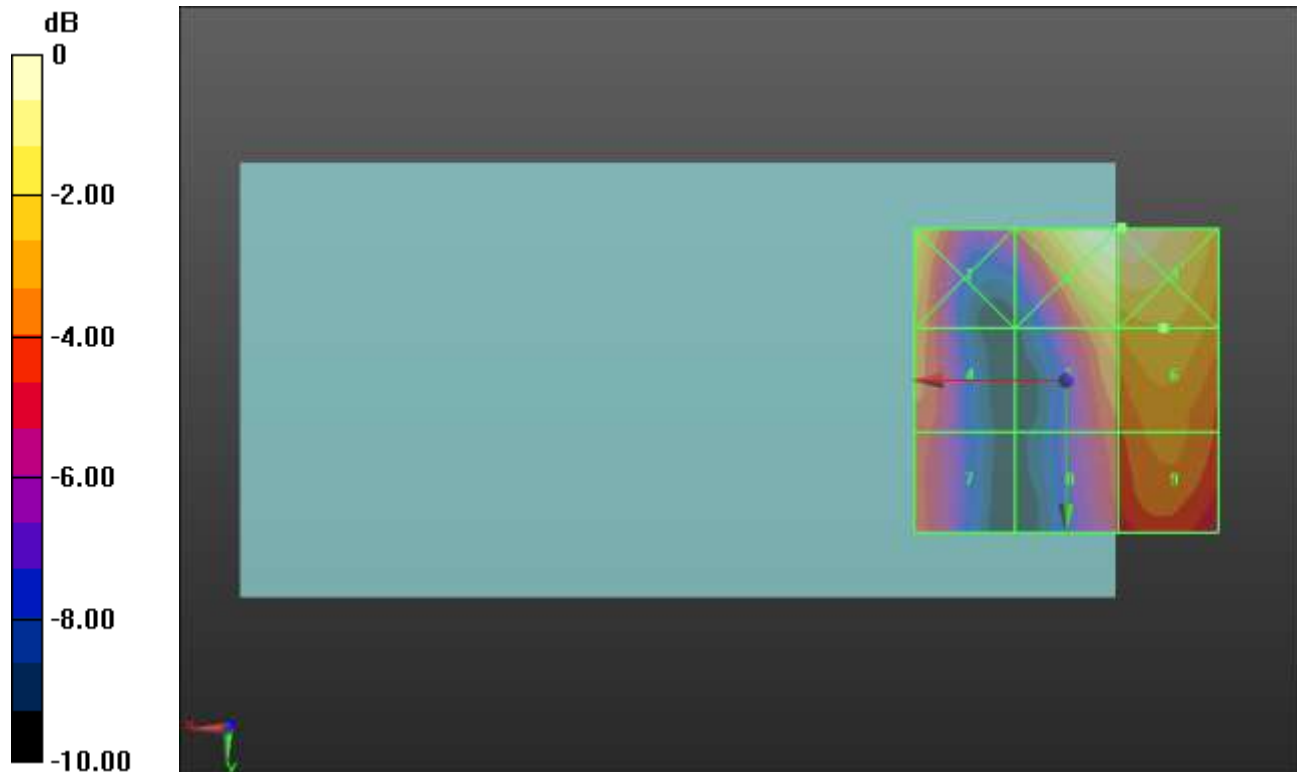
Applied MIF = -1.44 dB

RF audio interference level = 20.78 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 21.04 dBV/m	Grid 2 M4 22.81 dBV/m	Grid 3 M4 22.82 dBV/m
Grid 4 M4 19.24 dBV/m	Grid 5 M4 20.23 dBV/m	Grid 6 M4 20.78 dBV/m
Grid 7 M4 18.6 dBV/m	Grid 8 M4 18.7 dBV/m	Grid 9 M4 19.75 dBV/m



0 dB = 13.83 V/m = 22.82 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 Power Class 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 = 7.386 V/m; Power Drift = 0.04 dB

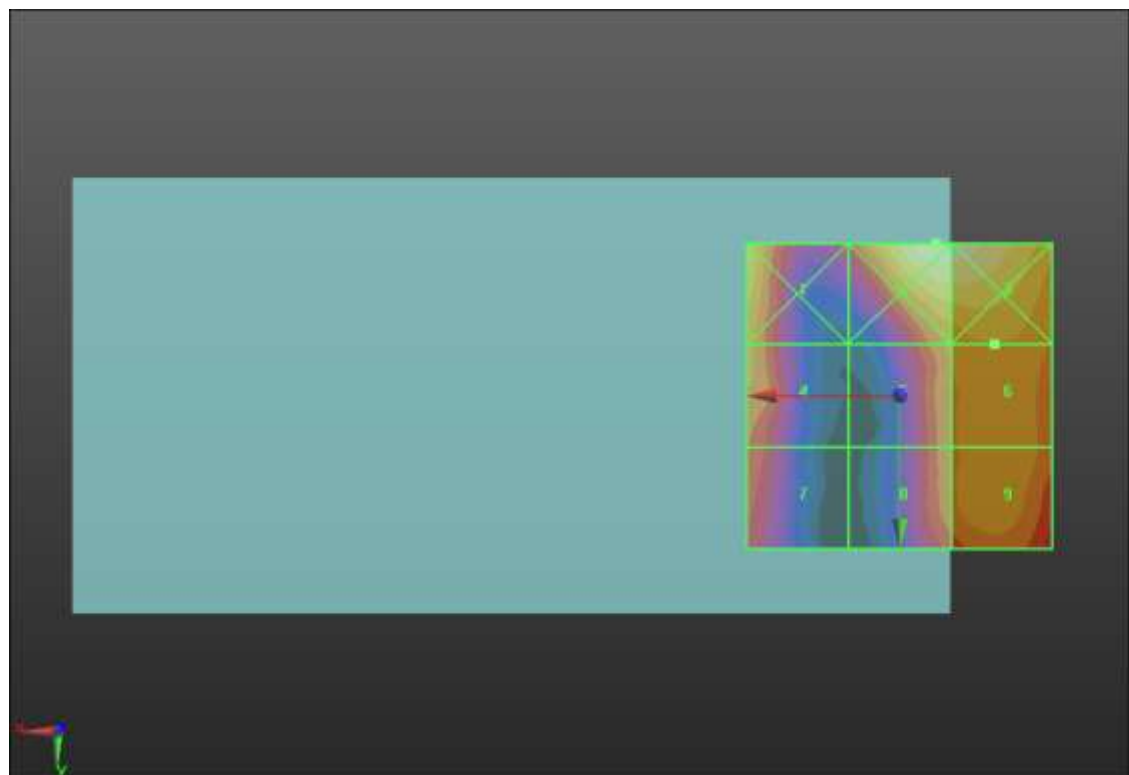
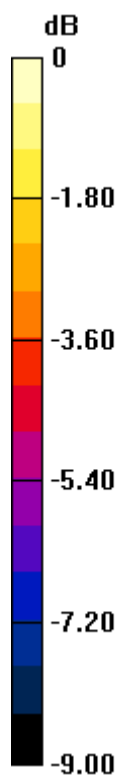
Applied MIF = -1.44 dB

RF audio interference level = 19.09 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 20.18 dBV/m	Grid 2 M4 21.49 dBV/m	Grid 3 M4 21.32 dBV/m
Grid 4 M4 18.8 dBV/m	Grid 5 M4 18.69 dBV/m	Grid 6 M4 19.09 dBV/m
Grid 7 M4 17.91 dBV/m	Grid 8 M4 18.39 dBV/m	Grid 9 M4 19.08 dBV/m



0 dB = 11.88 V/m = 21.50 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 Power Class 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 = 7.203 V/m; Power Drift = 0.02 dB

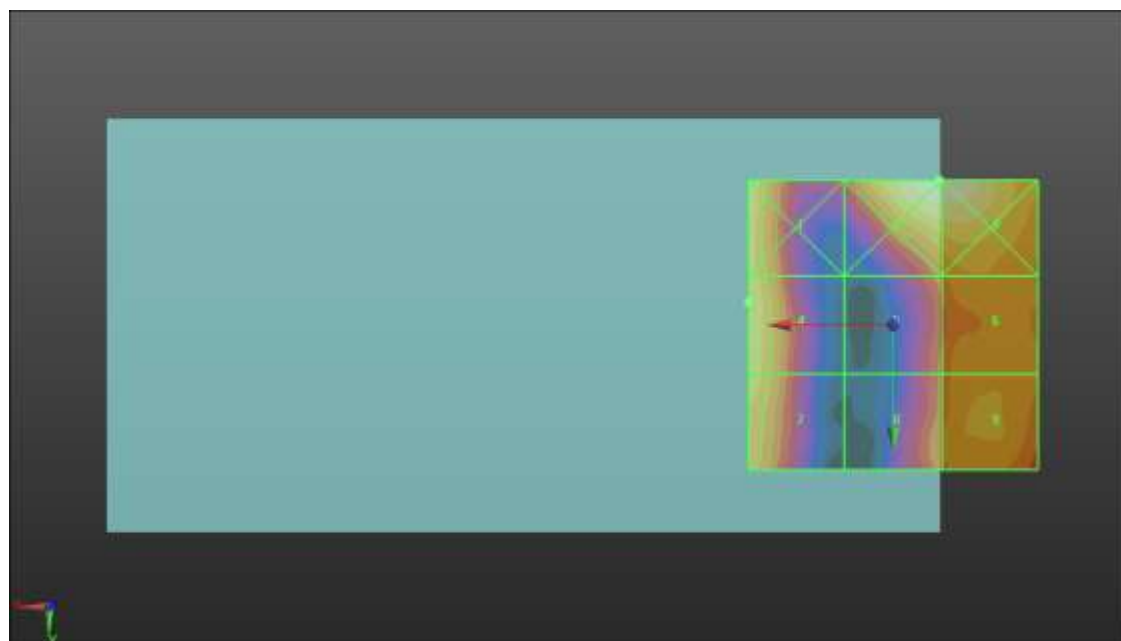
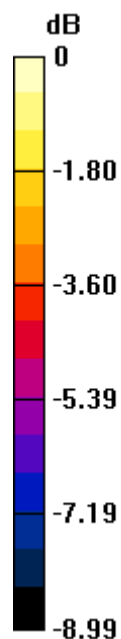
Applied MIF = -1.44 dB

RF audio interference level = 19.25 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 19.83 dBV/m	Grid 2 M4 20.65 dBV/m	Grid 3 M4 20.65 dBV/m
Grid 4 M4 19.25 dBV/m	Grid 5 M4 17.52 dBV/m	Grid 6 M4 18.24 dBV/m
Grid 7 M4 19.1 dBV/m	Grid 8 M4 17.68 dBV/m	Grid 9 M4 18.43 dBV/m



0 dB = 10.78 V/m = 20.65 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 = 18.01 V/m; Power Drift = 0.34 dB

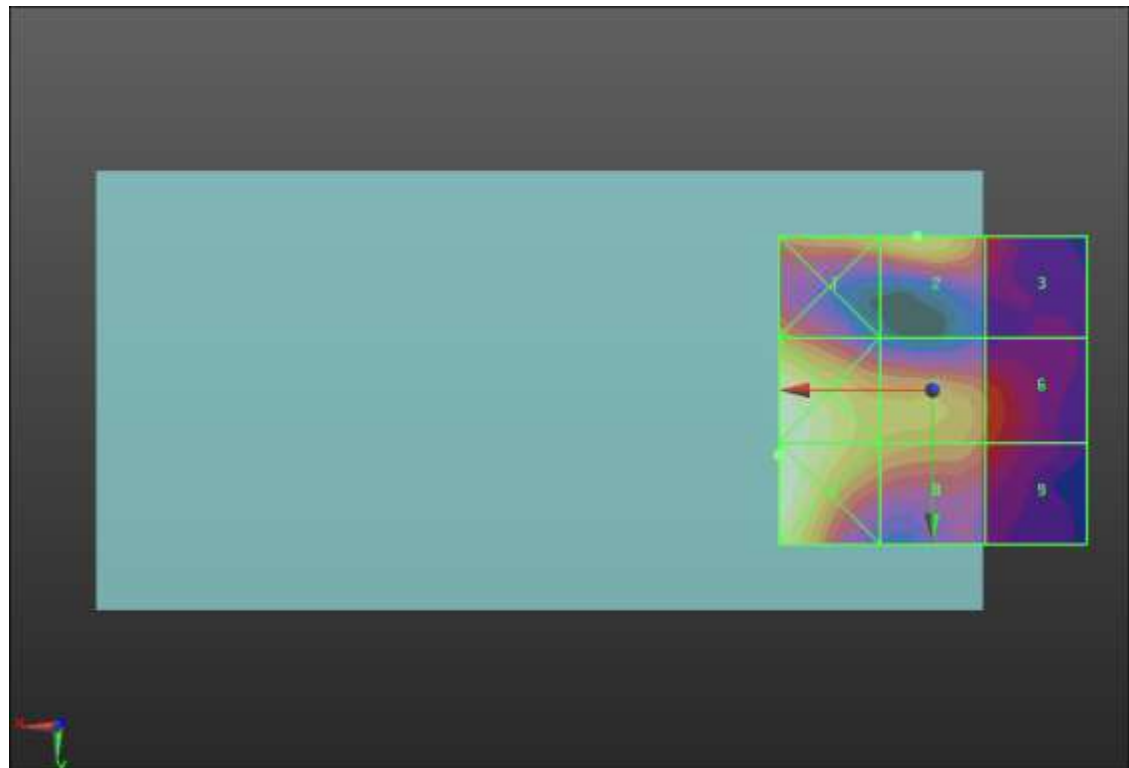
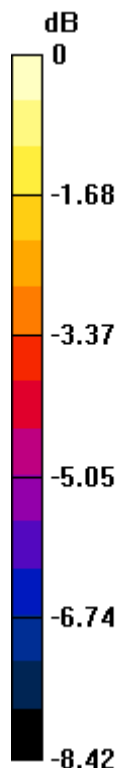
Applied MIF = -1.44 dB

RF audio interference level = 20.71 dBV/m

Emission category: **M4**

MIF scaled E-field

Grid 1 M4 20.32 dBV/m	Grid 2 M4 20.71 dBV/m	Grid 3 M4 18.47 dBV/m
Grid 4 M4 22.26 dBV/m	Grid 5 M4 20.23 dBV/m	Grid 6 M4 19.06 dBV/m
Grid 7 M4 22.29 dBV/m	Grid 8 M4 19.99 dBV/m	Grid 9 M4 18.67 dBV/m



0 dB = 13.02 V/m = 22.29 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 = 15.85 V/m; Power Drift = 0.43 dB

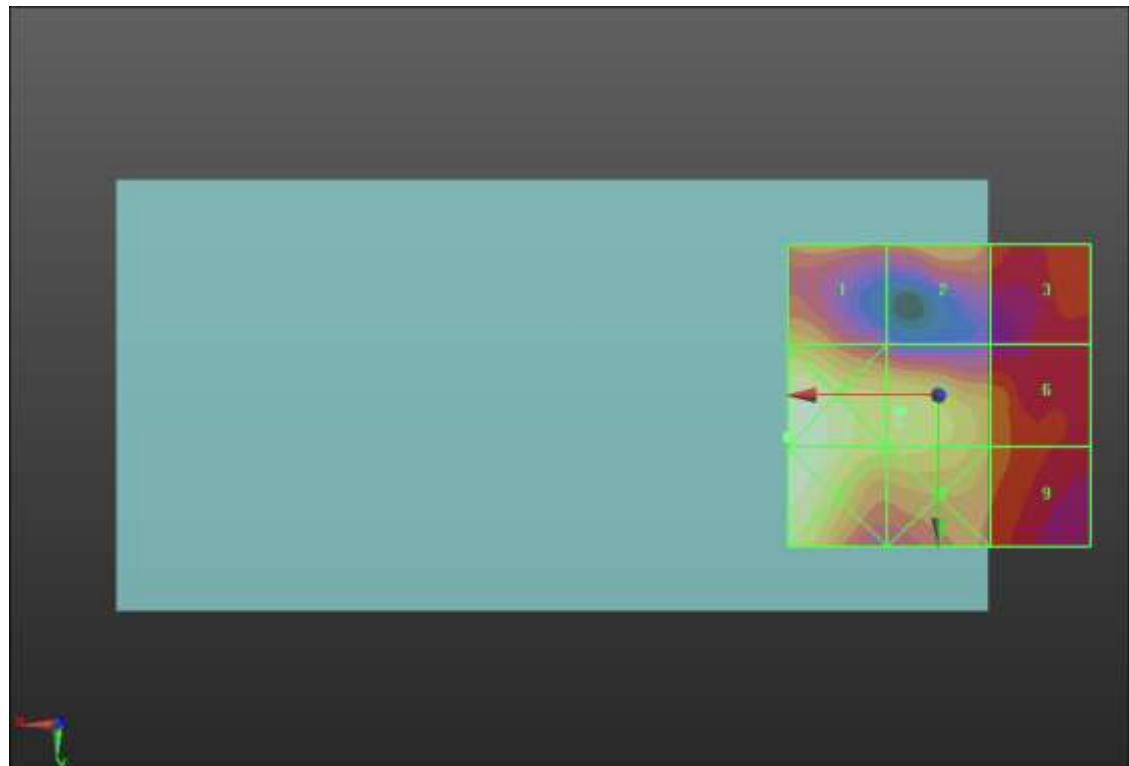
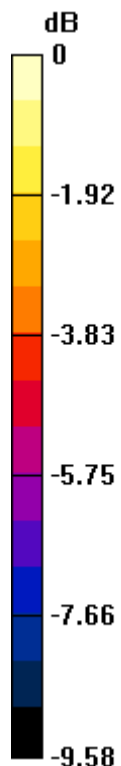
Applied MIF = -1.44 dB

RF audio interference level = 20.31 dBV/m

Emission category: **M4**

MIF scaled E-field

Grid 1 M4 18.87 dBV/m	Grid 2 M4 18.38 dBV/m	Grid 3 M4 17.43 dBV/m
Grid 4 M4 21.55 dBV/m	Grid 5 M4 20.31 dBV/m	Grid 6 M4 18.43 dBV/m
Grid 7 M4 21.52 dBV/m	Grid 8 M4 19.86 dBV/m	Grid 9 M4 18.34 dBV/m



0 dB = 11.95 V/m = 21.55 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 = 16.87 V/m; Power Drift = 0.11 dB

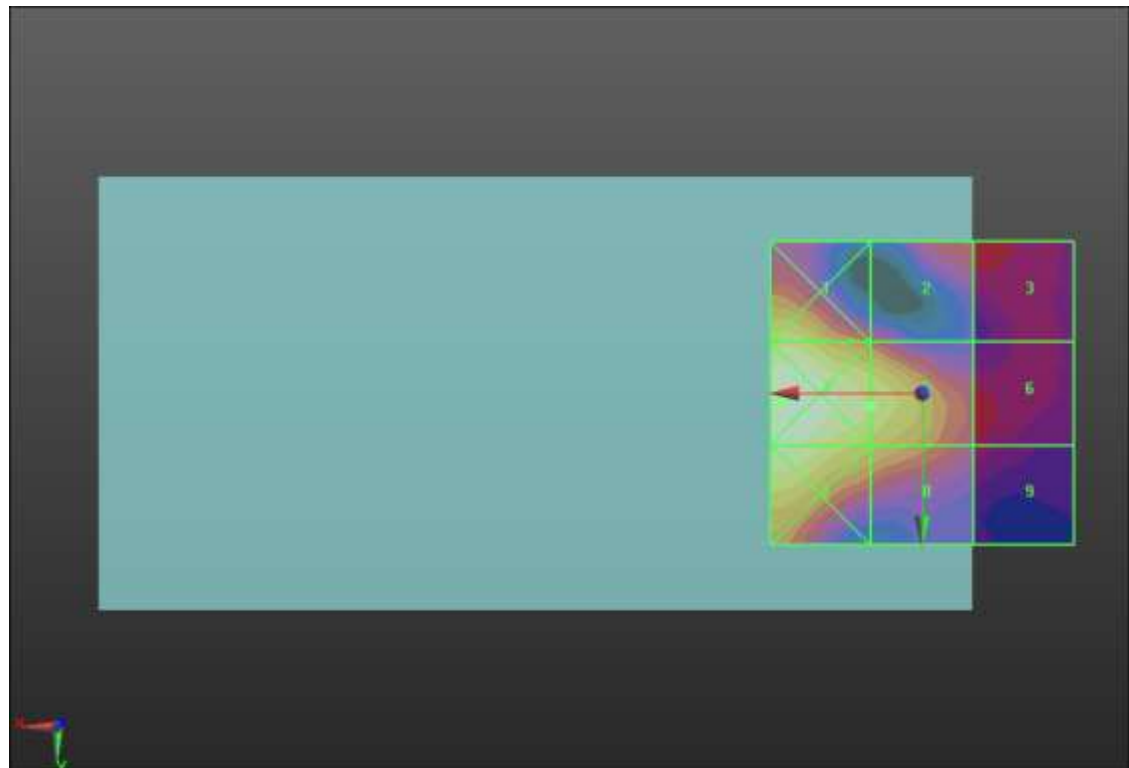
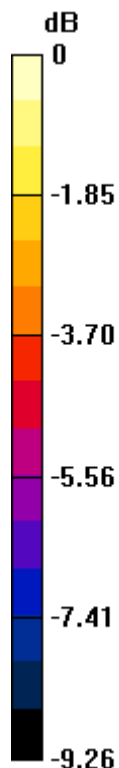
Applied MIF = -1.44 dB

RF audio interference level = 21.90 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 21.82 dBV/m	Grid 2 M4 19.01 dBV/m	Grid 3 M4 18.86 dBV/m
Grid 4 M4 23.18 dBV/m	Grid 5 M4 21.9 dBV/m	Grid 6 M4 18.71 dBV/m
Grid 7 M4 22.71 dBV/m	Grid 8 M4 21.01 dBV/m	Grid 9 M4 18.19 dBV/m



0 dB = 14.42 V/m = 23.18 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 = 16.23 V/m; Power Drift = 2.17 dB

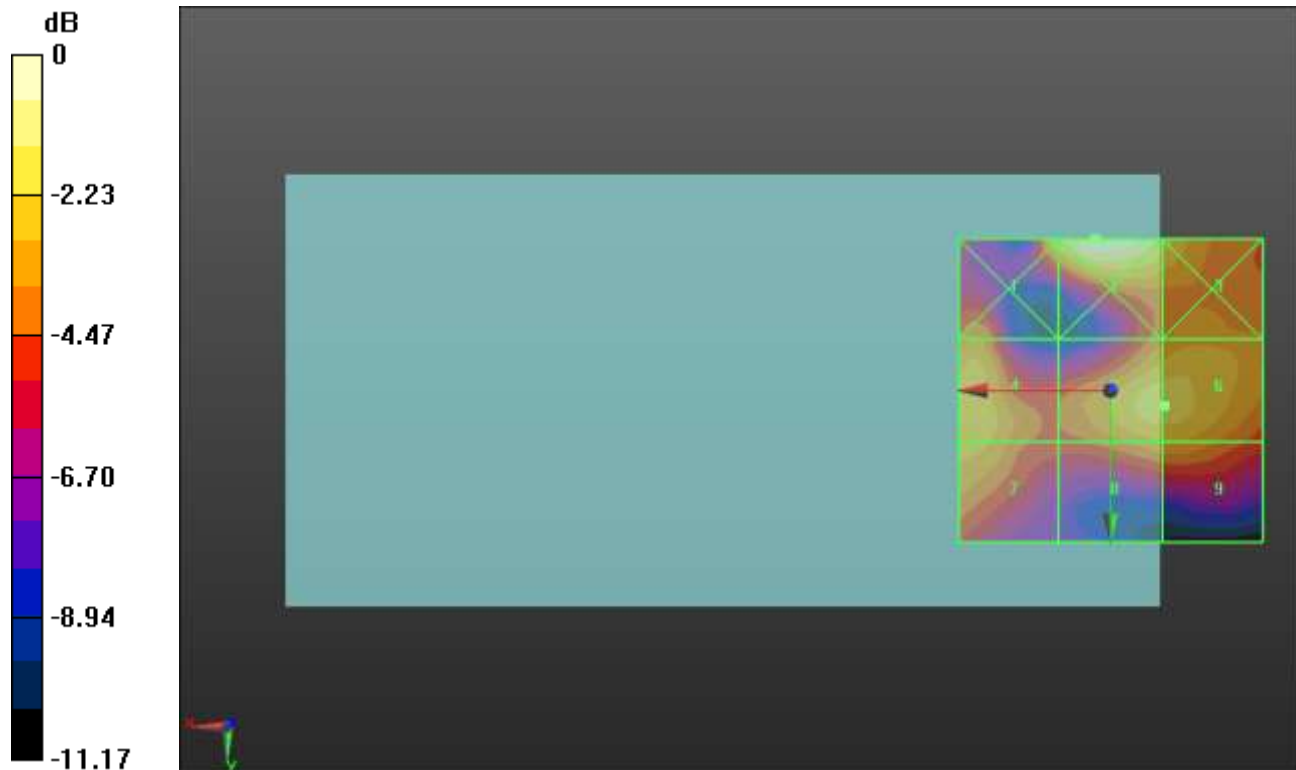
Applied MIF = -1.44 dB

RF audio interference level = 22.12 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 22.43 dBV/m	Grid 2 M4 24 dBV/m	Grid 3 M4 22.33 dBV/m
Grid 4 M4 21.6 dBV/m	Grid 5 M4 22.12 dBV/m	Grid 6 M4 22.12 dBV/m
Grid 7 M4 21.3 dBV/m	Grid 8 M4 20.99 dBV/m	Grid 9 M4 21.04 dBV/m



0 dB = 15.84 V/m = 24.00 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); Calibrated: 3/22/2019;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1540; Calibrated: 2/18/2019
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

802.11b E-Field measurement/IEEE 802.11b_DSSS 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 = 23.29 V/m; Power Drift = -2.01 dB

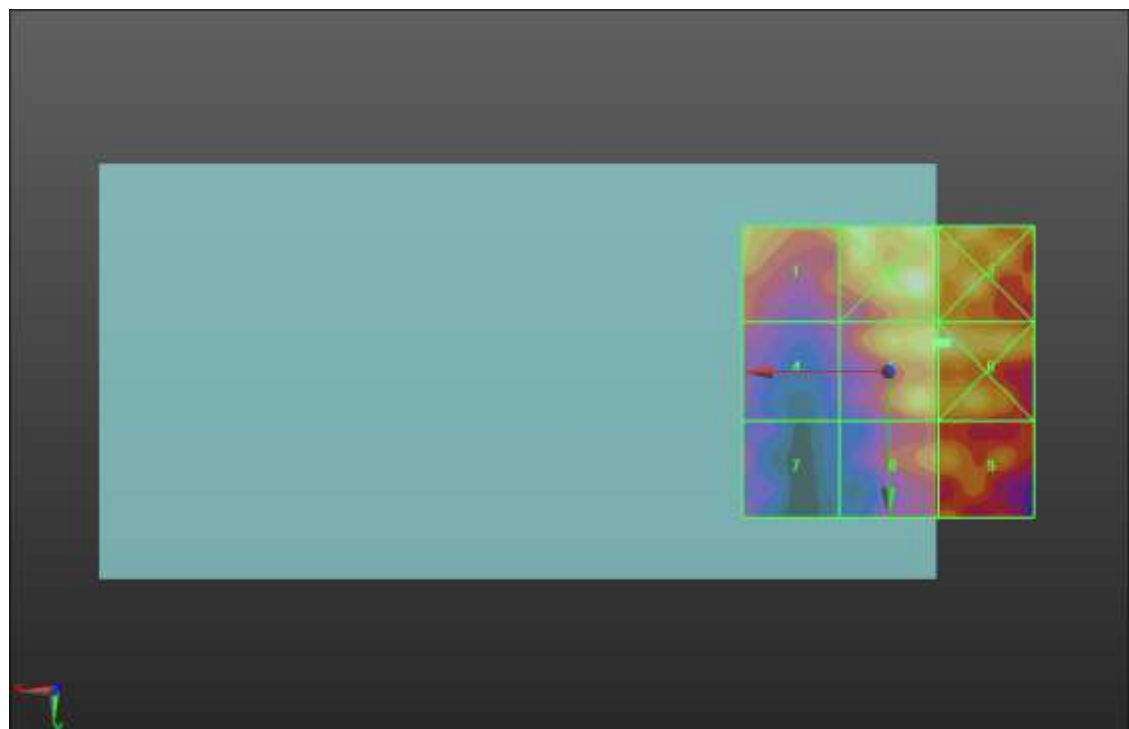
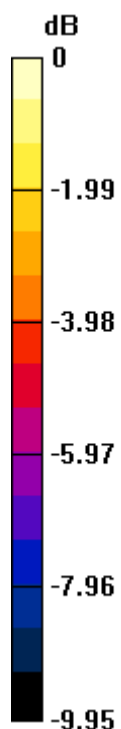
Applied MIF = -2.02 dB

RF audio interference level = 25.38 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 23.59 dBV/m	Grid 2 M4 25.8 dBV/m	Grid 3 M4 25.46 dBV/m
Grid 4 M4 21.43 dBV/m	Grid 5 M4 25.38 dBV/m	Grid 6 M4 25.88 dBV/m
Grid 7 M4 21.31 dBV/m	Grid 8 M4 23.04 dBV/m	Grid 9 M4 23.49 dBV/m



0 dB = 19.68 V/m = 25.88 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); Calibrated: 3/22/2019;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1540; Calibrated: 2/18/2019
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

802.11b E-Field measurement/IEEE 802.11b_DSSS 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 = 17.04 V/m; Power Drift = 2.71 dB

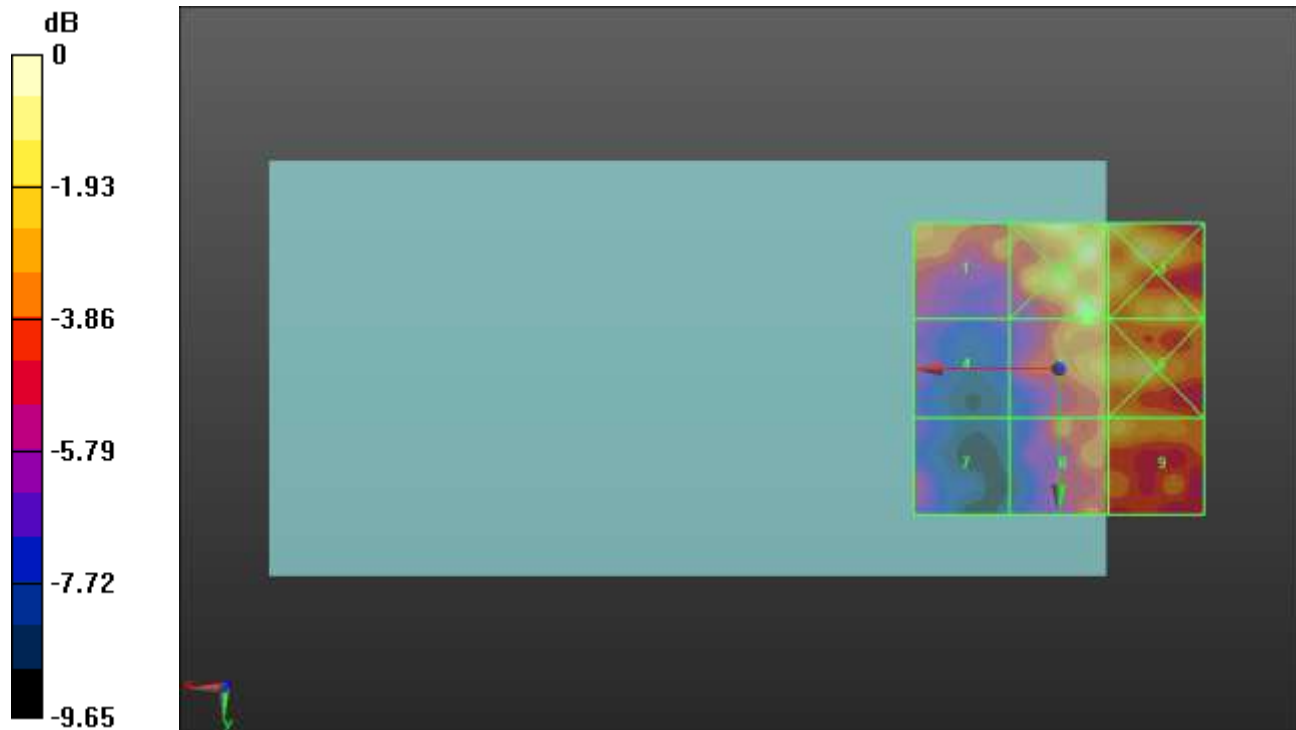
Applied MIF = -2.02 dB

RF audio interference level = 24.12 dBV/m

Emission category: **M4**

MIF scaled E-field

Grid 1 M4 22.37 dBV/m	Grid 2 M4 25.15 dBV/m	Grid 3 M4 24.81 dBV/m
Grid 4 M4 19.69 dBV/m	Grid 5 M4 24.12 dBV/m	Grid 6 M4 24.35 dBV/m
Grid 7 M4 20.67 dBV/m	Grid 8 M4 22.91 dBV/m	Grid 9 M4 23.63 dBV/m



0 dB = 18.09 V/m = 25.15 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); Calibrated: 3/22/2019;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1540; Calibrated: 2/18/2019
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

802.11b E-Field measurement/IEEE 802.11b_DSSS 11 Mbps_ch 11/Hearing Aid Compatibility Test (101x101x1):

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

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 14.67 V/m; Power Drift = -2.35 dB

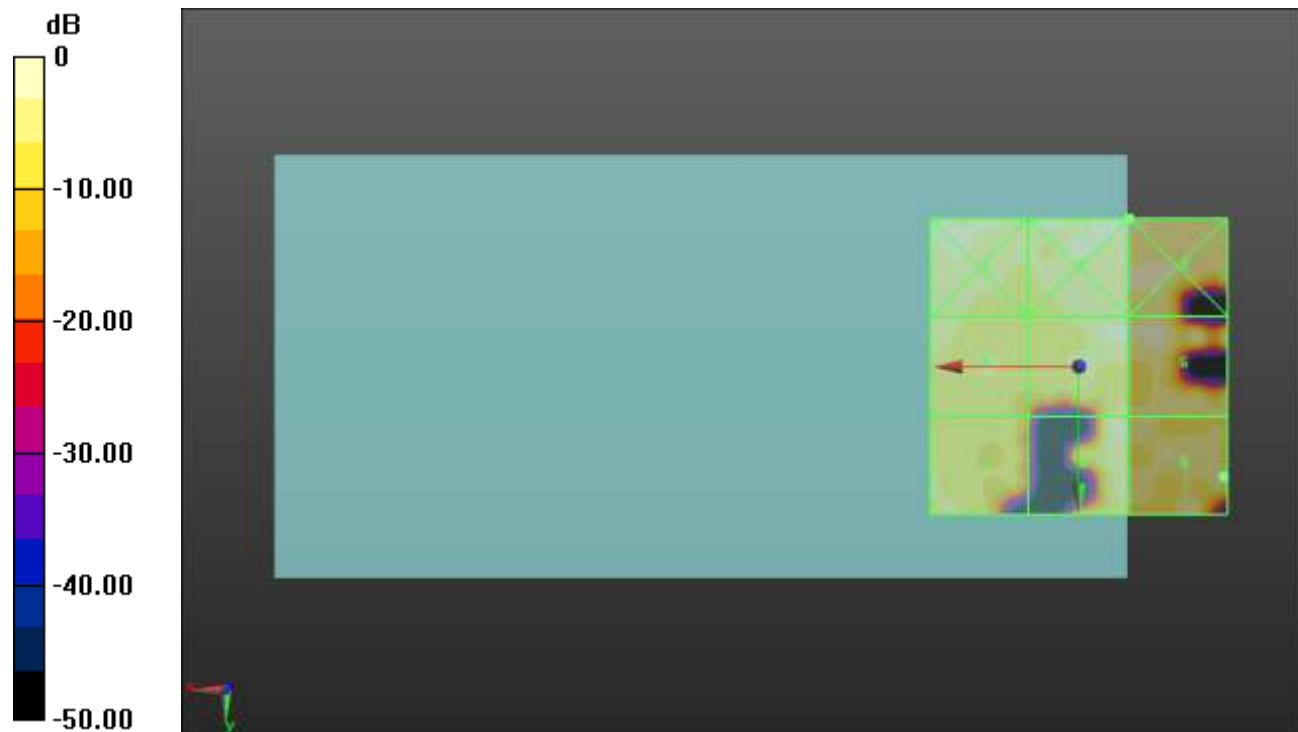
Applied MIF = -2.02 dB

RF audio interference level = 23.71 dBV/m

Emission category: **M4**

MIF scaled E-field

Grid 1 M4 23.66 dBV/m	Grid 2 M4 24.97 dBV/m	Grid 3 M4 24.97 dBV/m
Grid 4 M4 20.18 dBV/m	Grid 5 M4 22.2 dBV/m	Grid 6 M4 23.4 dBV/m
Grid 7 M4 19.17 dBV/m	Grid 8 M4 22.69 dBV/m	Grid 9 M4 23.71 dBV/m



0 dB = 17.72 V/m = 24.97 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); Calibrated: 3/22/2019;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1540; Calibrated: 2/18/2019
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

802.11g E-Field measurement/IEEE 802.11g_OFDM 54 Mbps_ch 3/Hearing Aid Compatibility Test (101x101x1):

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

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 11.34 V/m; Power Drift = 4.43 dB

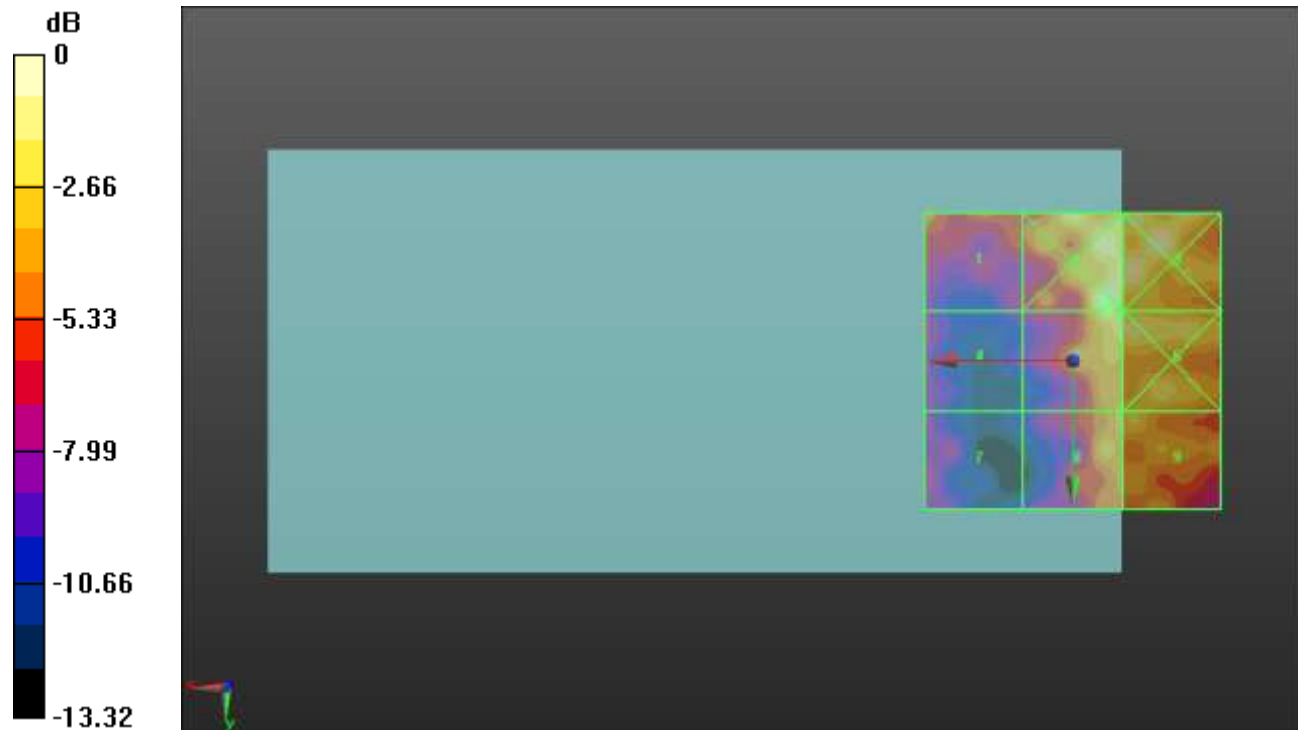
Applied MIF = 0.12 dB

RF audio interference level = 26.67 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 23.94 dBV/m	Grid 2 M4 27.66 dBV/m	Grid 3 M4 27.33 dBV/m
Grid 4 M4 20.92 dBV/m	Grid 5 M4 26.67 dBV/m	Grid 6 M4 26.18 dBV/m
Grid 7 M4 20.9 dBV/m	Grid 8 M4 24.75 dBV/m	Grid 9 M4 25.19 dBV/m



0 dB = 24.15 V/m = 27.66 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); Calibrated: 3/22/2019;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1540; Calibrated: 2/18/2019
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

802.11g E-Field measurement/IEEE 802.11g_OFDM 54 Mbps_ch 6/Hearing Aid Compatibility Test (101x101x1):

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

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 16.45 V/m; Power Drift = -0.13 dB

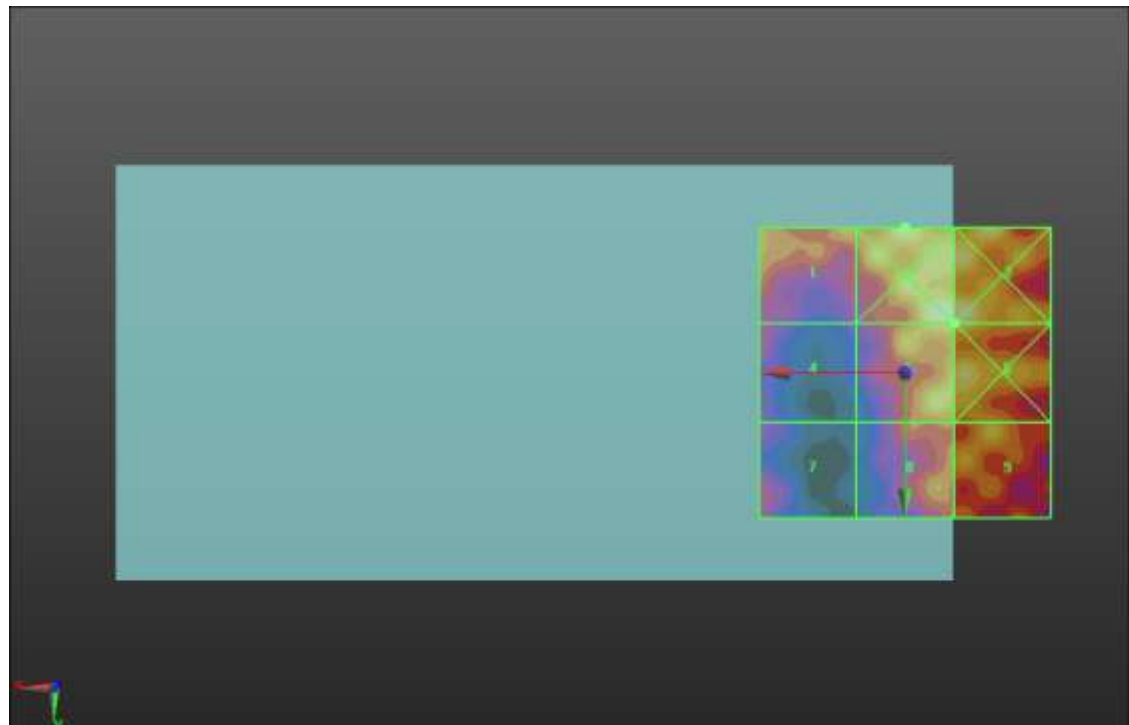
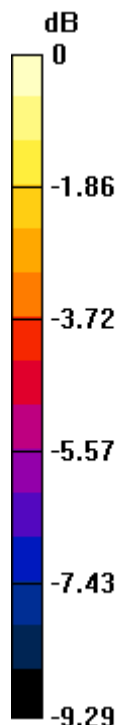
Applied MIF = 0.12 dB

RF audio interference level = 25.93 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 24.62 dBV/m	Grid 2 M4 26.86 dBV/m	Grid 3 M4 26.77 dBV/m
Grid 4 M4 22.32 dBV/m	Grid 5 M4 25.93 dBV/m	Grid 6 M4 26.04 dBV/m
Grid 7 M4 22.26 dBV/m	Grid 8 M4 24.13 dBV/m	Grid 9 M4 25.32 dBV/m



0 dB = 22.02 V/m = 26.86 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); Calibrated: 3/22/2019;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1540; Calibrated: 2/18/2019
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

802.11g E-Field measurement/IEEE 802.11g_OFDM 54 Mbps_ch 9/Hearing Aid Compatibility Test (101x101x1):

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

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 21.48 V/m; Power Drift = -0.29 dB

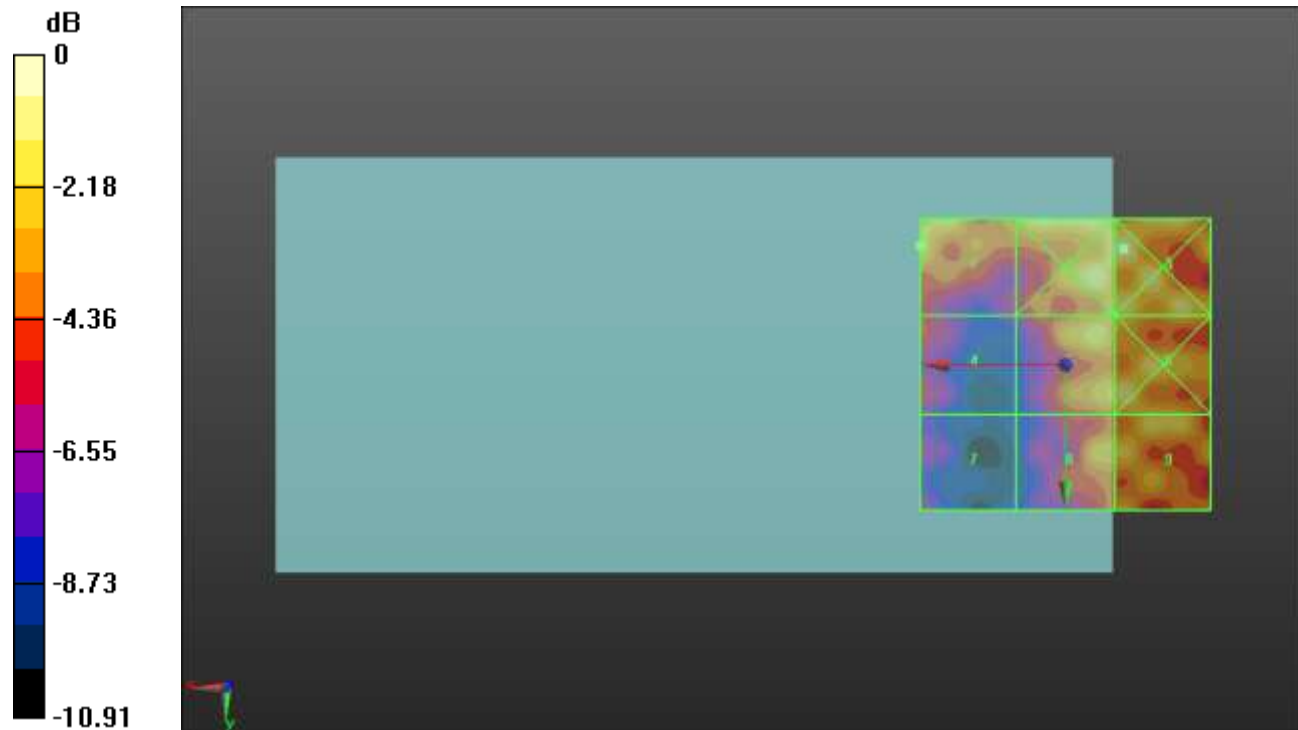
Applied MIF = 0.12 dB

RF audio interference level = 26.58 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 26.58 dBV/m	Grid 2 M4 27.01 dBV/m	Grid 3 M4 27.57 dBV/m
Grid 4 M4 22.86 dBV/m	Grid 5 M4 26.14 dBV/m	Grid 6 M4 26.79 dBV/m
Grid 7 M4 22.23 dBV/m	Grid 8 M4 25.37 dBV/m	Grid 9 M4 26.19 dBV/m



0 dB = 23.89 V/m = 27.56 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 = 24.89 V/m; Power Drift = -0.04 dB

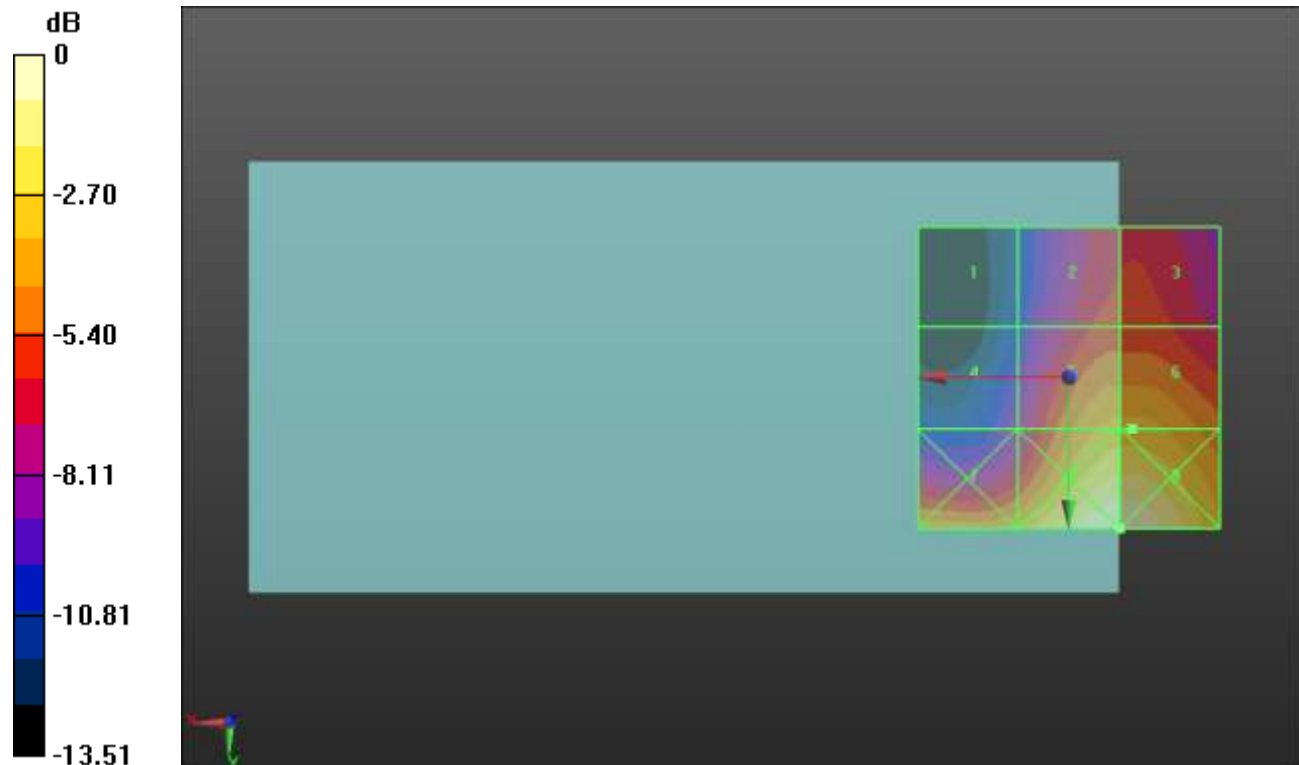
Applied MIF = 3.63 dB

RF audio interference level = 31.15 dBV/m

Emission category: M3

MIF scaled E-field

Grid 1 M4 23.98 dBV/m	Grid 2 M4 28.53 dBV/m	Grid 3 M4 28.54 dBV/m
Grid 4 M4 26.07 dBV/m	Grid 5 M3 31.11 dBV/m	Grid 6 M3 31.15 dBV/m
Grid 7 M3 31.18 dBV/m	Grid 8 M3 34.36 dBV/m	Grid 9 M3 34.36 dBV/m



0 dB = 52.27 V/m = 34.37 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 = 27.32 V/m; Power Drift = -0.05 dB

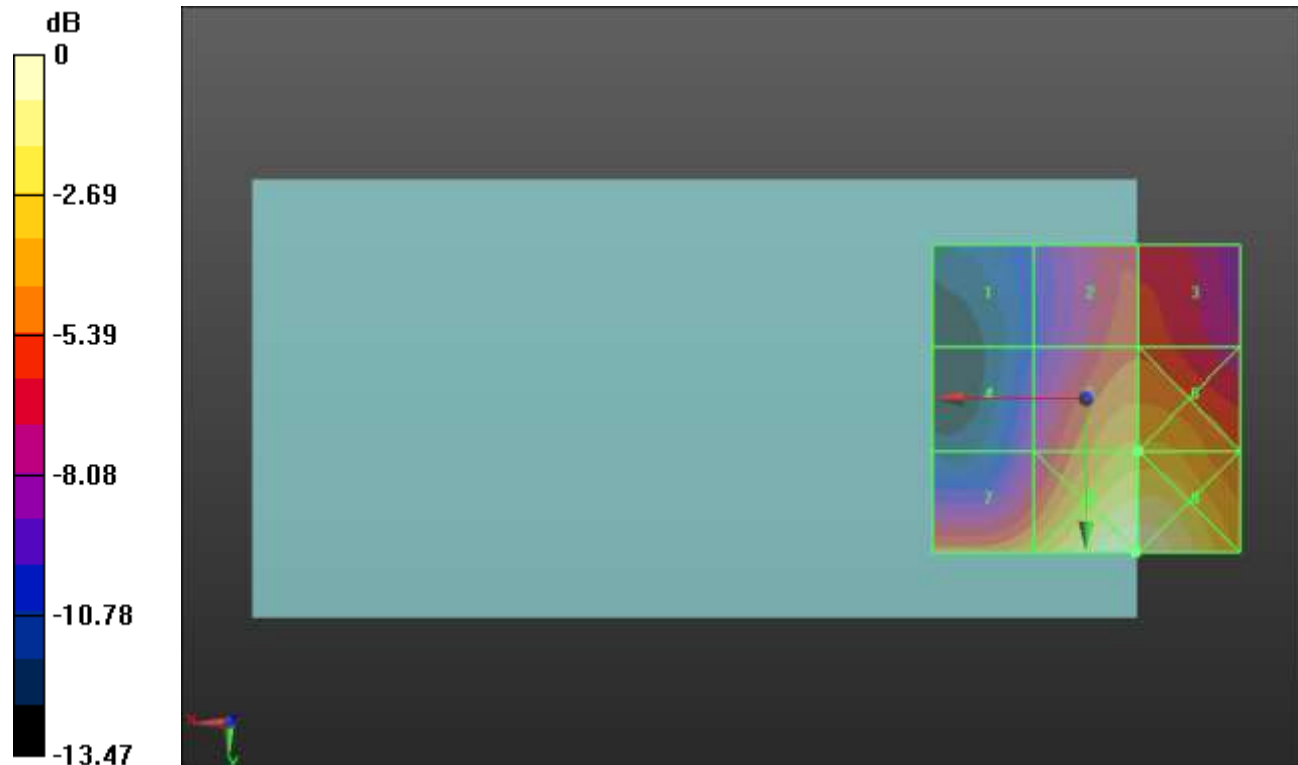
Applied MIF = 3.63 dB

RF audio interference level = 31.58 dBV/m

Emission category: M3

MIF scaled E-field

Grid 1 M4 25.19 dBV/m	Grid 2 M4 29.27 dBV/m	Grid 3 M4 29.27 dBV/m
Grid 4 M4 26.91 dBV/m	Grid 5 M3 31.58 dBV/m	Grid 6 M3 31.6 dBV/m
Grid 7 M3 31.44 dBV/m	Grid 8 M3 34.86 dBV/m	Grid 9 M3 34.85 dBV/m



0 dB = 55.31 V/m = 34.86 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 = 27.52 V/m; Power Drift = 0.01 dB

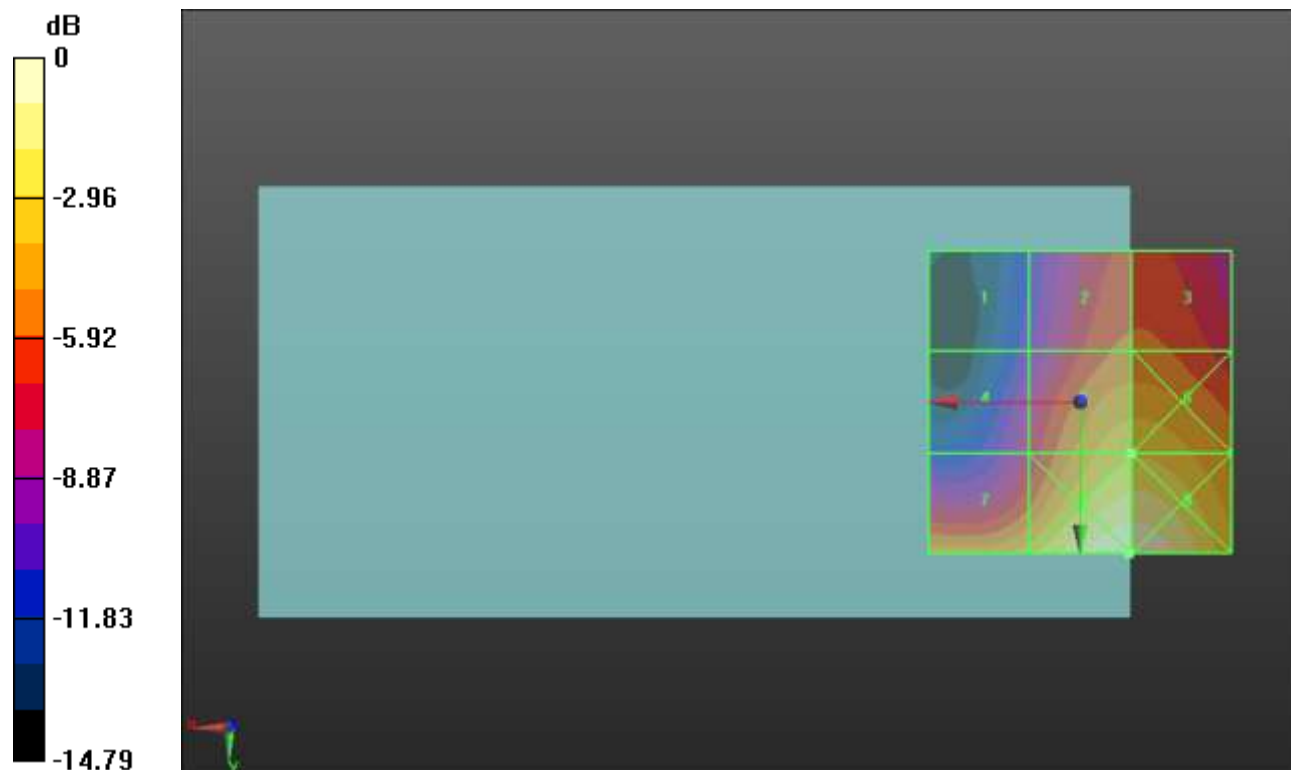
Applied MIF = 3.63 dB

RF audio interference level = 31.77 dBV/m

Emission category: M3

MIF scaled E-field

Grid 1 M4 24.84 dBV/m	Grid 2 M4 29.22 dBV/m	Grid 3 M4 29.25 dBV/m
Grid 4 M4 27.11 dBV/m	Grid 5 M3 31.77 dBV/m	Grid 6 M3 31.8 dBV/m
Grid 7 M3 31.63 dBV/m	Grid 8 M3 34.85 dBV/m	Grid 9 M3 34.84 dBV/m



0 dB = 55.26 V/m = 34.85 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 = 17.00 V/m; Power Drift = -0.24 dB

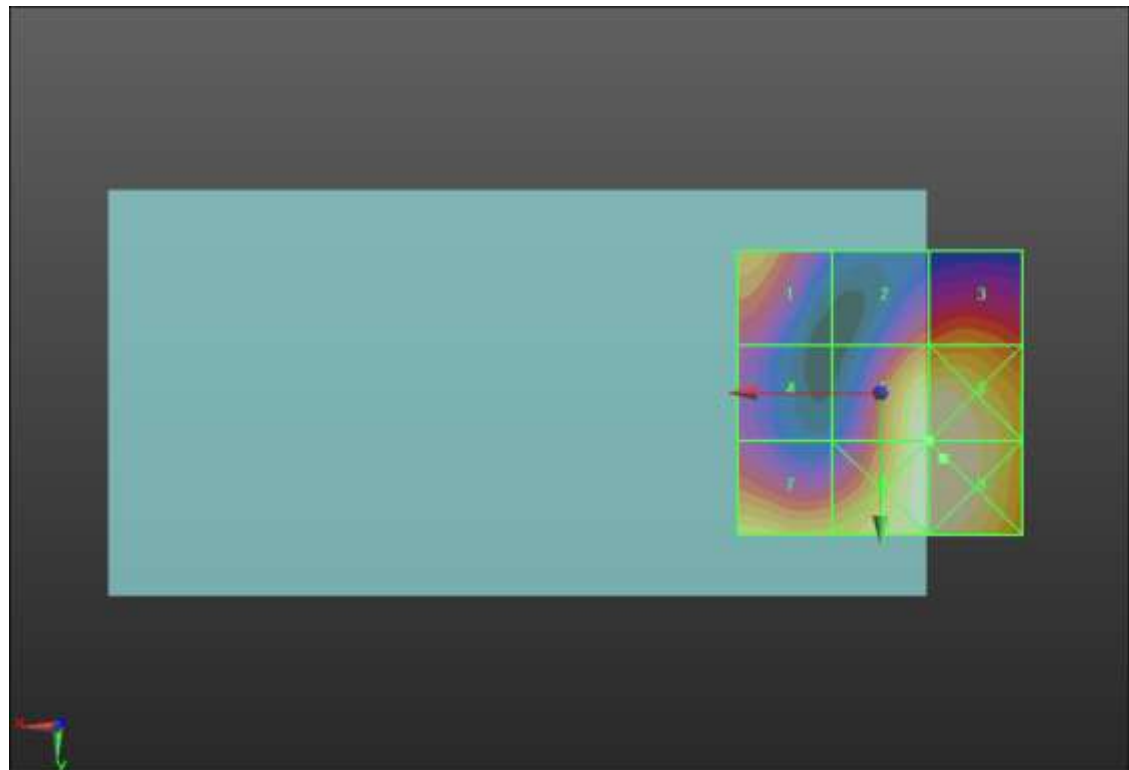
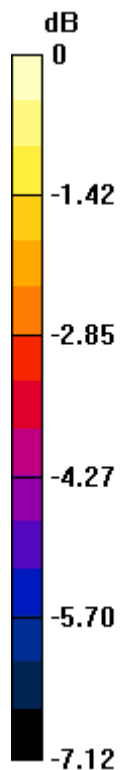
Applied MIF = -1.44 dB

RF audio interference level = 22.27 dBV/m

Emission category: **M4**

MIF scaled E-field

Grid 1 M4 20.53 dBV/m	Grid 2 M4 19.78 dBV/m	Grid 3 M4 20.28 dBV/m
Grid 4 M4 18.61 dBV/m	Grid 5 M4 22.27 dBV/m	Grid 6 M4 22.42 dBV/m
Grid 7 M4 21.58 dBV/m	Grid 8 M4 22.33 dBV/m	Grid 9 M4 22.46 dBV/m



0 dB = 13.28 V/m = 22.46 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 = 16.85 V/m; Power Drift = -0.08 dB

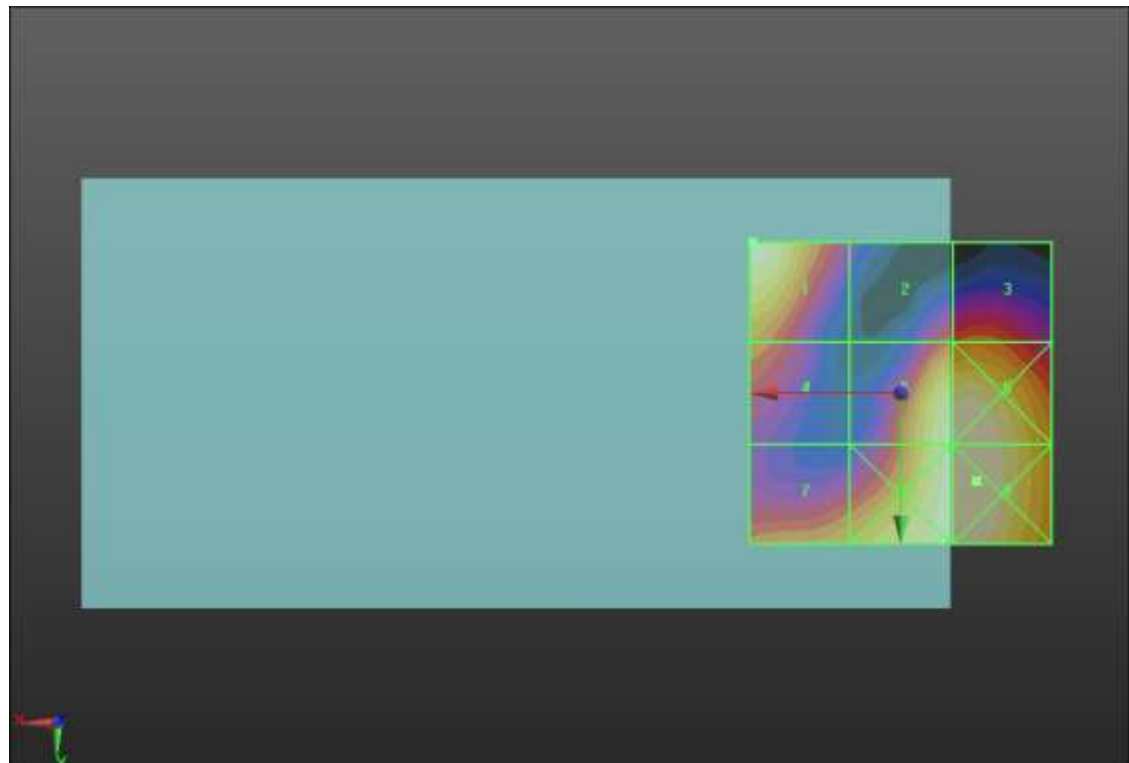
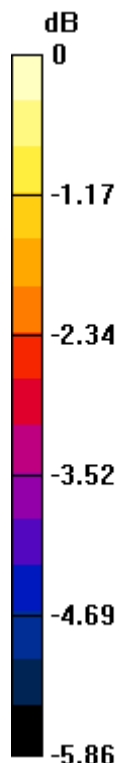
Applied MIF = -1.44 dB

RF audio interference level = 21.34 dBV/m

Emission category: **M4**

MIF scaled E-field

Grid 1 M4 21.34 dBV/m	Grid 2 M4 19.04 dBV/m	Grid 3 M4 19.33 dBV/m
Grid 4 M4 19.43 dBV/m	Grid 5 M4 21.2 dBV/m	Grid 6 M4 21.37 dBV/m
Grid 7 M4 19.95 dBV/m	Grid 8 M4 21.29 dBV/m	Grid 9 M4 21.41 dBV/m



0 dB = 11.76 V/m = 21.41 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 = 17.06 V/m; Power Drift = -0.14 dB

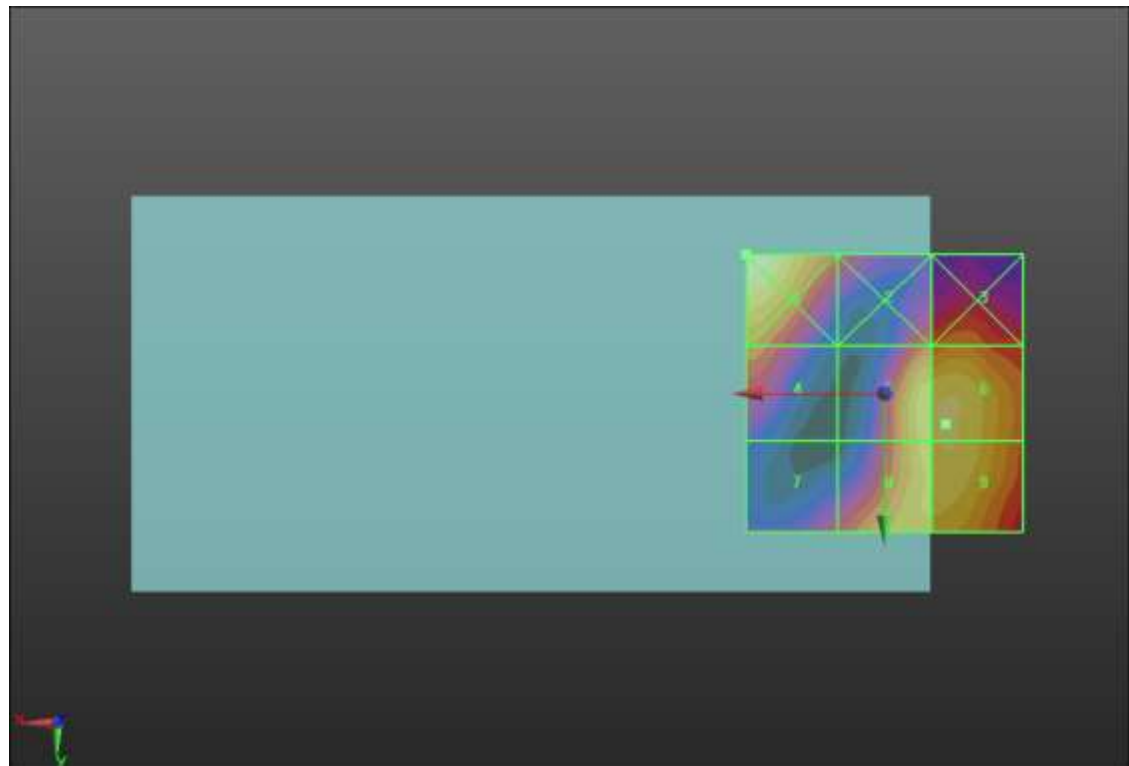
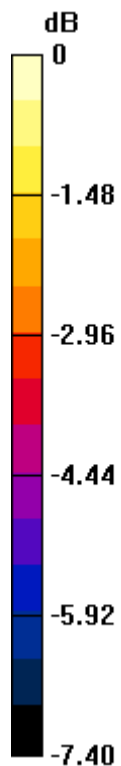
Applied MIF = -1.44 dB

RF audio interference level = 20.87 dBV/m

Emission category: **M4**

MIF scaled E-field

Grid 1 M4 21.72 dBV/m	Grid 2 M4 18.86 dBV/m	Grid 3 M4 19.32 dBV/m
Grid 4 M4 19.19 dBV/m	Grid 5 M4 20.69 dBV/m	Grid 6 M4 20.87 dBV/m
Grid 7 M4 18.19 dBV/m	Grid 8 M4 20.6 dBV/m	Grid 9 M4 20.79 dBV/m



0 dB = 12.19 V/m = 21.72 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 = 15.44 V/m; Power Drift = 0.26 dB

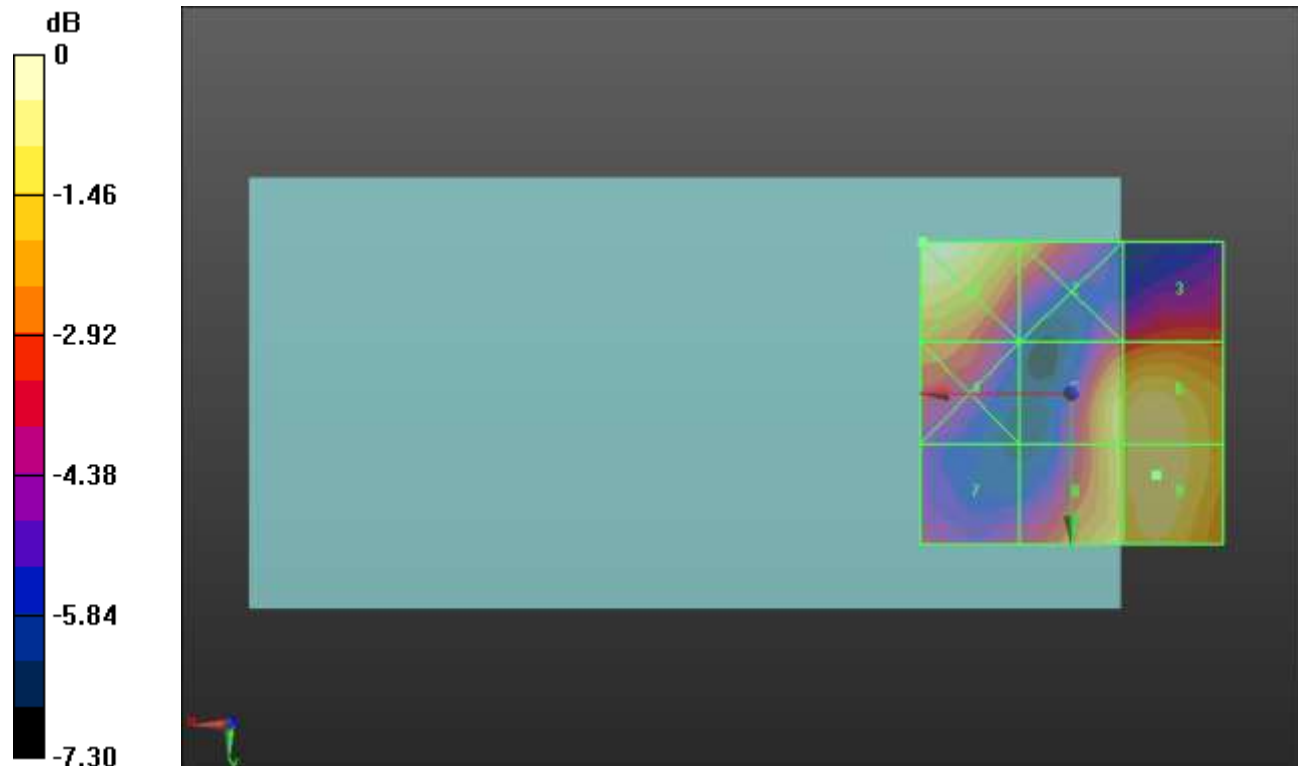
Applied MIF = -1.44 dB

RF audio interference level = 20.12 dBV/m

Emission category: **M4**

MIF scaled E-field

Grid 1 M4 20.63 dBV/m	Grid 2 M4 18.64 dBV/m	Grid 3 M4 17.79 dBV/m
Grid 4 M4 18.15 dBV/m	Grid 5 M4 19.58 dBV/m	Grid 6 M4 20.11 dBV/m
Grid 7 M4 17.04 dBV/m	Grid 8 M4 19.5 dBV/m	Grid 9 M4 20.12 dBV/m



0 dB = 10.75 V/m = 20.63 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):

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 13.07 V/m; Power Drift = 0.01 dB

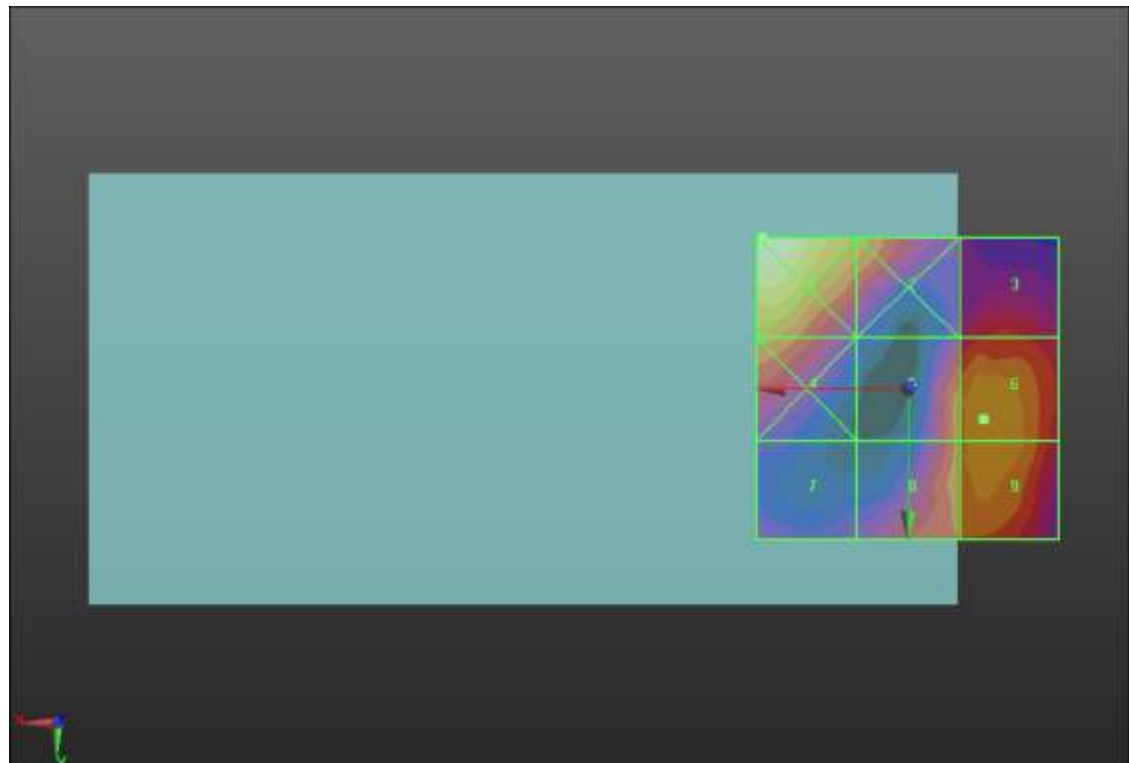
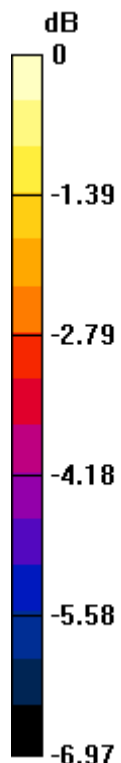
Applied MIF = -1.44 dB

RF audio interference level = 19.44 dBV/m

Emission category: **M4**

MIF scaled E-field

Grid 1 M4 21.32 dBV/m	Grid 2 M4 19.32 dBV/m	Grid 3 M4 18.23 dBV/m
Grid 4 M4 19.21 dBV/m	Grid 5 M4 18.84 dBV/m	Grid 6 M4 19.44 dBV/m
Grid 7 M4 17.24 dBV/m	Grid 8 M4 18.81 dBV/m	Grid 9 M4 19.36 dBV/m



0 dB = 11.64 V/m = 21.32 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 = 14.83 V/m; Power Drift = 0.06 dB

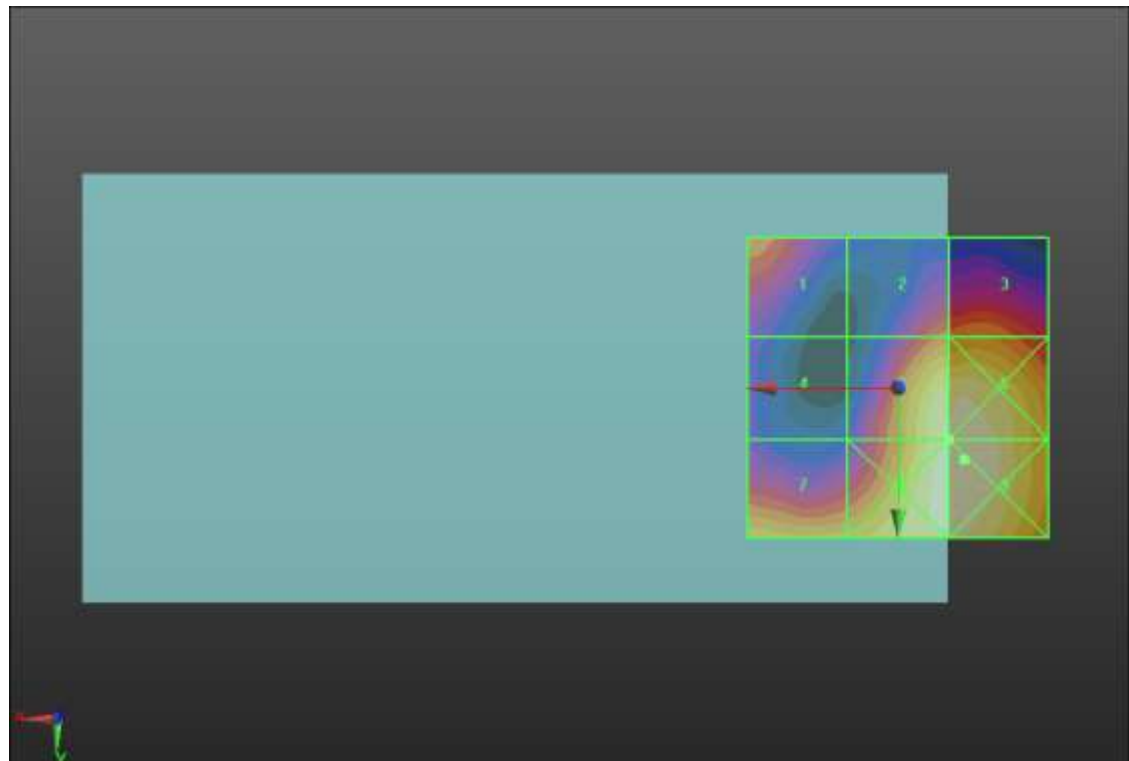
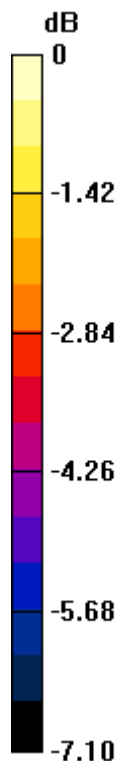
Applied MIF = -1.44 dB

RF audio interference level = 20.97 dBV/m

Emission category: **M4**

MIF scaled E-field

Grid 1 M4 18.8 dBV/m	Grid 2 M4 18.68 dBV/m	Grid 3 M4 18.96 dBV/m
Grid 4 M4 16.56 dBV/m	Grid 5 M4 20.97 dBV/m	Grid 6 M4 21.14 dBV/m
Grid 7 M4 19.8 dBV/m	Grid 8 M4 21.1 dBV/m	Grid 9 M4 21.24 dBV/m



0 dB = 11.53 V/m = 21.24 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 = 14.07 V/m; Power Drift = -0.17 dB

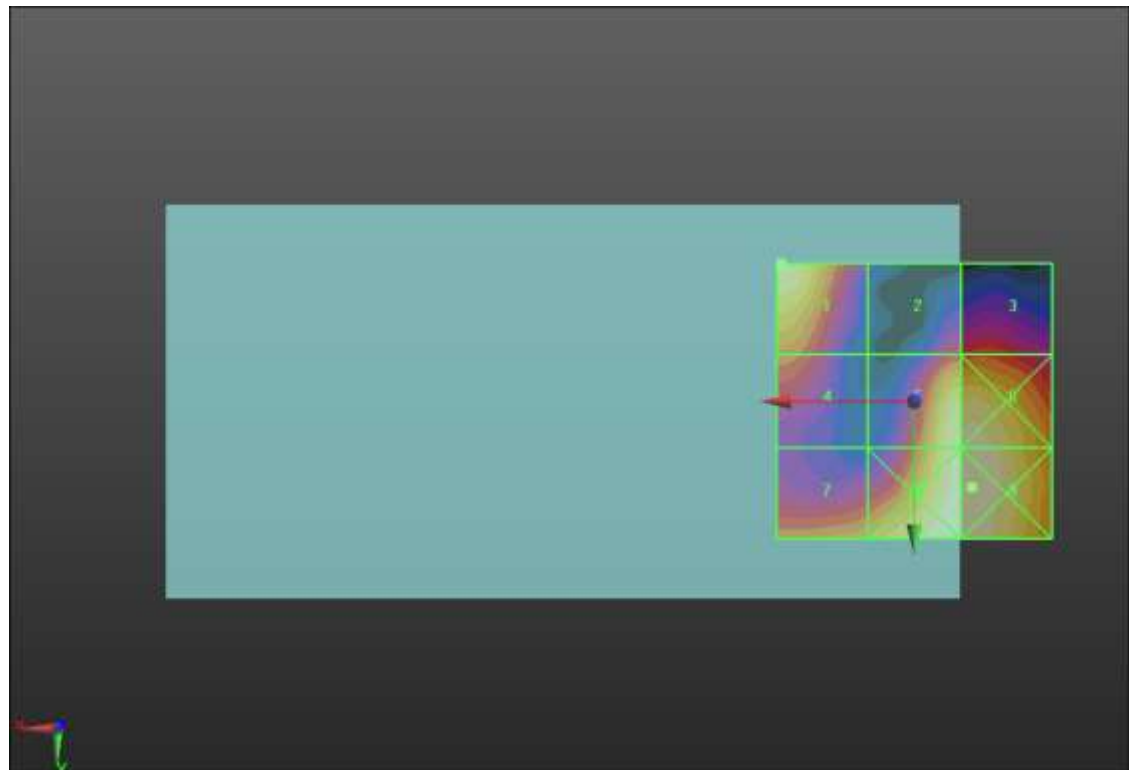
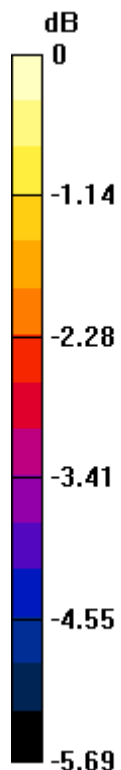
Applied MIF = -1.44 dB

RF audio interference level = 19.74 dBV/m

Emission category: **M4**

MIF scaled E-field

Grid 1 M4 19.74 dBV/m	Grid 2 M4 17.43 dBV/m	Grid 3 M4 17.62 dBV/m
Grid 4 M4 17.97 dBV/m	Grid 5 M4 19.71 dBV/m	Grid 6 M4 19.81 dBV/m
Grid 7 M4 18.5 dBV/m	Grid 8 M4 19.9 dBV/m	Grid 9 M4 19.99 dBV/m



0 dB = 9.987 V/m = 19.99 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 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 = 13.97 V/m; Power Drift = 0.10 dB

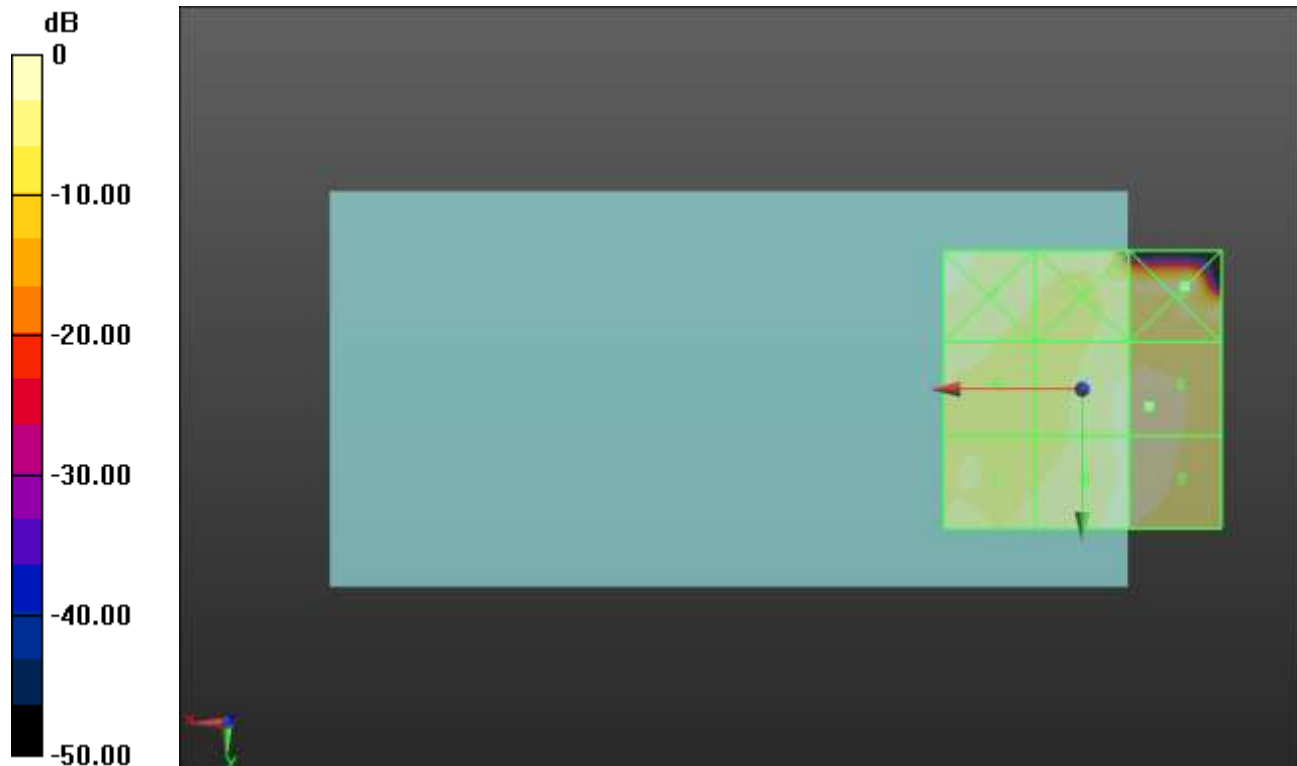
Applied MIF = -1.44 dB

RF audio interference level = 19.45 dBV/m

Emission category: **M4**

MIF scaled E-field

Grid 1 M4 20.07 dBV/m	Grid 2 M4 19.41 dBV/m	Grid 3 M4 22.08 dBV/m
Grid 4 M4 17.27 dBV/m	Grid 5 M4 19.27 dBV/m	Grid 6 M4 19.45 dBV/m
Grid 7 M4 16.71 dBV/m	Grid 8 M4 19.21 dBV/m	Grid 9 M4 19.4 dBV/m



0 dB = 12.70 V/m = 22.08 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 = 13.86 V/m; Power Drift = -0.49 dB

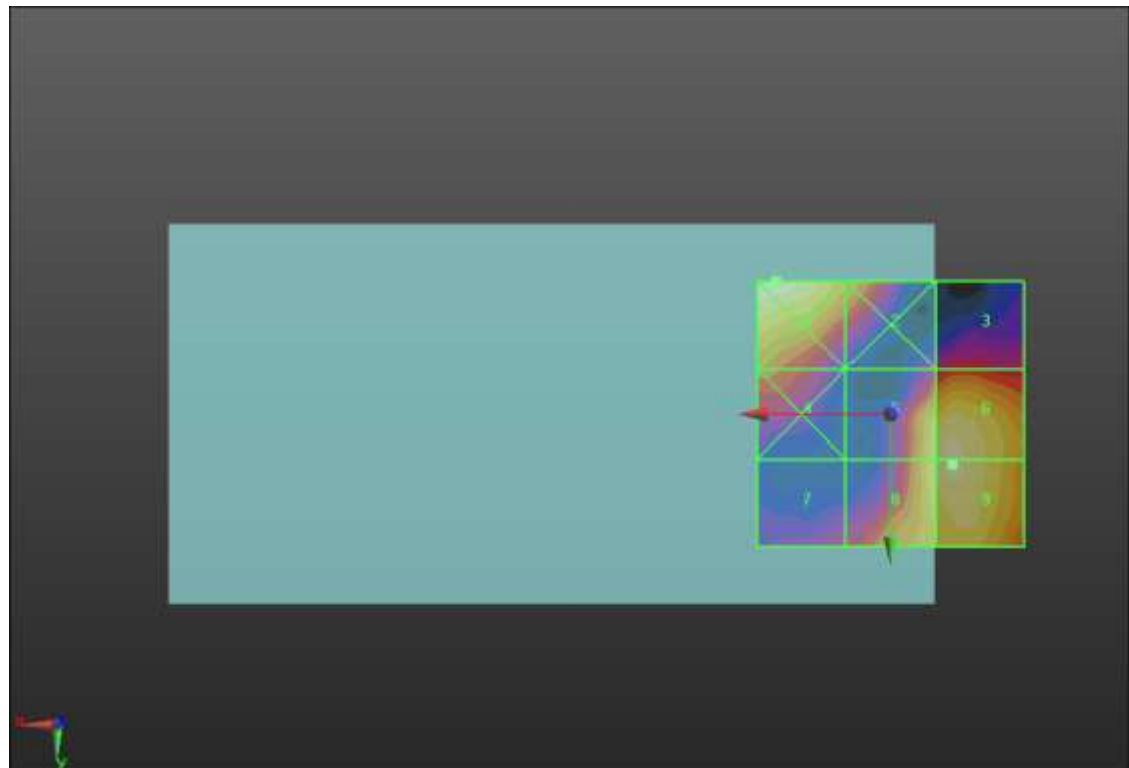
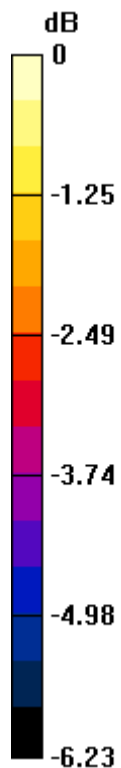
Applied MIF = -1.44 dB

RF audio interference level = 19.24 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 19.48 dBV/m	Grid 2 M4 17.92 dBV/m	Grid 3 M4 16.66 dBV/m
Grid 4 M4 17.37 dBV/m	Grid 5 M4 18.74 dBV/m	Grid 6 M4 19.22 dBV/m
Grid 7 M4 16.31 dBV/m	Grid 8 M4 18.75 dBV/m	Grid 9 M4 19.24 dBV/m



0 dB = 9.422 V/m = 19.48 dBV/m

HAC-RF Emission

Communication System: UID 10173 - CAC, LTE-TDD (SC-FDMA, 1 RB, 20 MHz, 16-QAM); Frequency: 2680 MHz; Duty Cycle: 1:8.87156

Phantom section: RF Section

DASY5 Configuration:

- Probe: EF3DV3 - SN4041; ConvF(1, 1, 1) @ 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 = 11.25 V/m; Power Drift = -0.06 dB

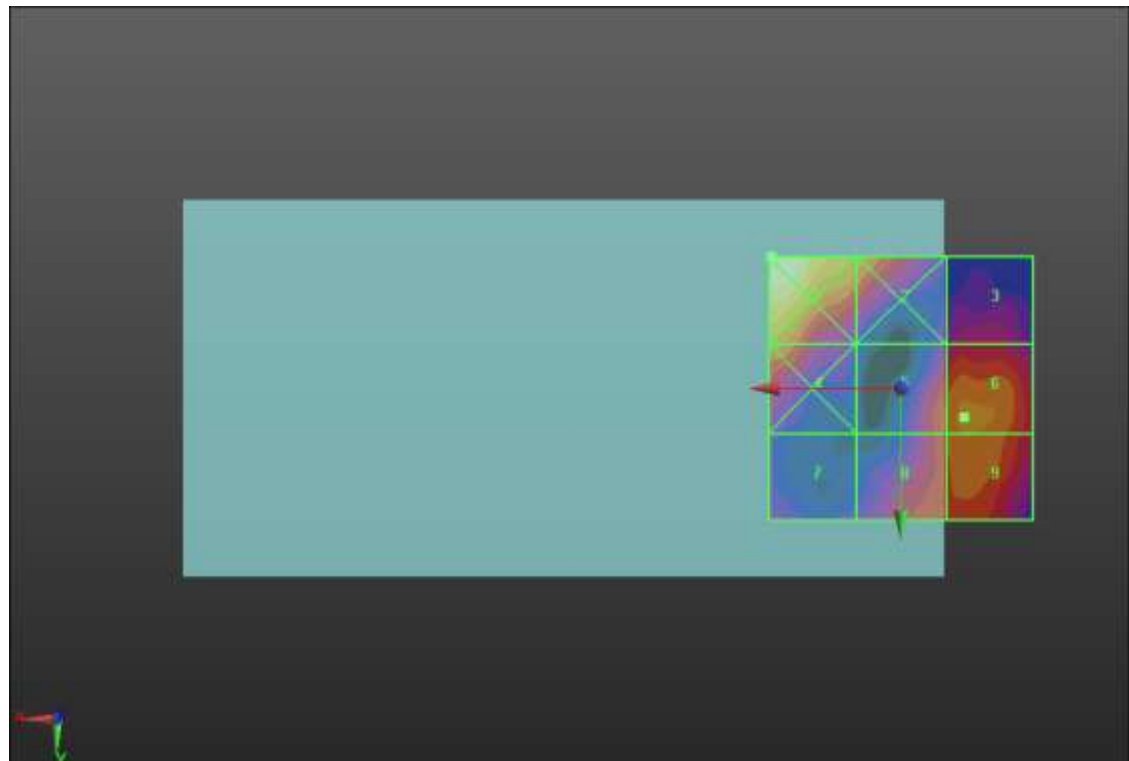
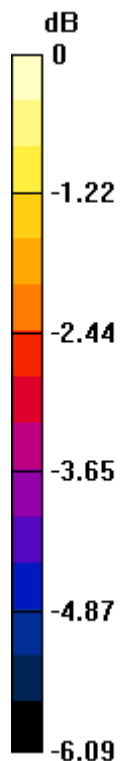
Applied MIF = -1.44 dB

RF audio interference level = 17.80 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 19.71 dBV/m	Grid 2 M4 17.96 dBV/m	Grid 3 M4 16.54 dBV/m
Grid 4 M4 17.97 dBV/m	Grid 5 M4 17.4 dBV/m	Grid 6 M4 17.8 dBV/m
Grid 7 M4 16.02 dBV/m	Grid 8 M4 17.33 dBV/m	Grid 9 M4 17.71 dBV/m



0 dB = 9.671 V/m = 19.71 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 = 15.44 V/m; Power Drift = -0.01 dB

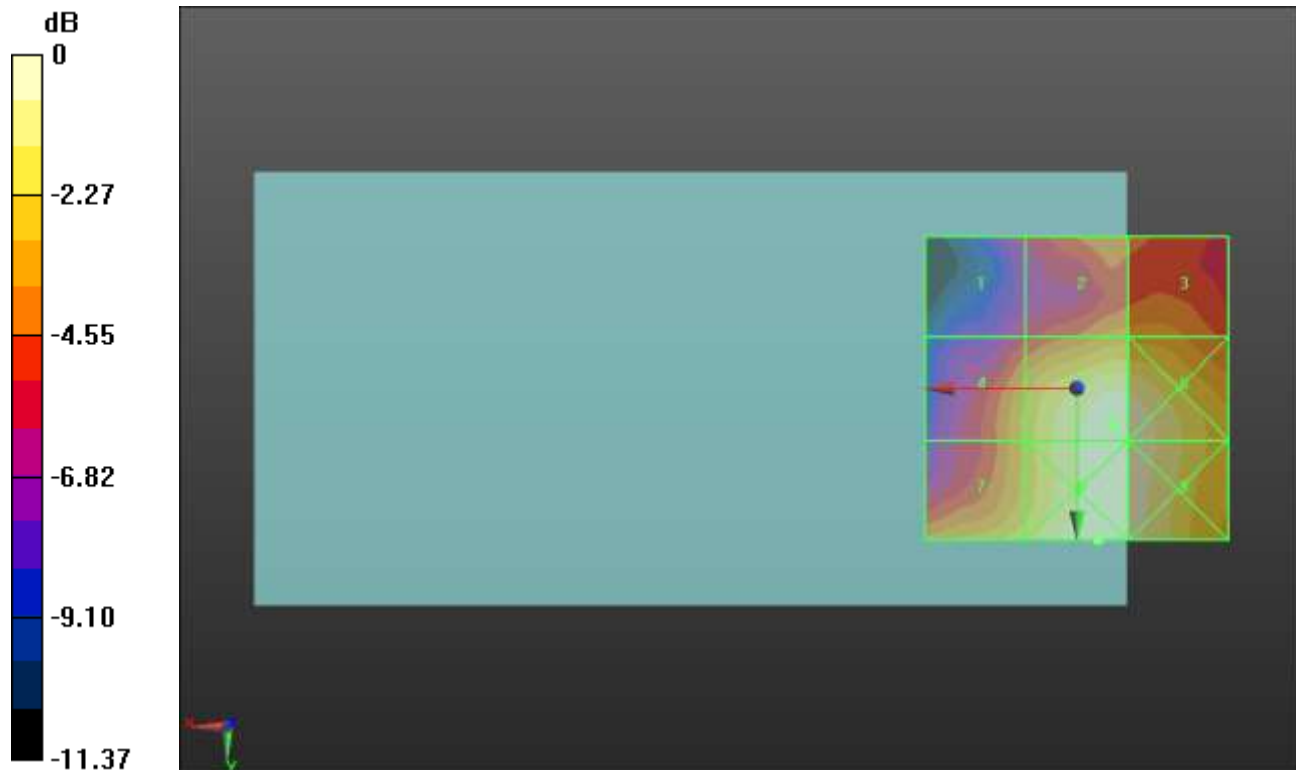
Applied MIF = -1.44 dB

RF audio interference level = 20.76 dBV/m

Emission category: **M4**

MIF scaled E-field

Grid 1 M4 15.23 dBV/m	Grid 2 M4 17.59 dBV/m	Grid 3 M4 17.63 dBV/m
Grid 4 M4 18.2 dBV/m	Grid 5 M4 20.76 dBV/m	Grid 6 M4 20.67 dBV/m
Grid 7 M4 19.28 dBV/m	Grid 8 M4 20.94 dBV/m	Grid 9 M4 20.61 dBV/m



0 dB = 11.15 V/m = 20.95 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 = 26.30 V/m; Power Drift = -0.12 dB

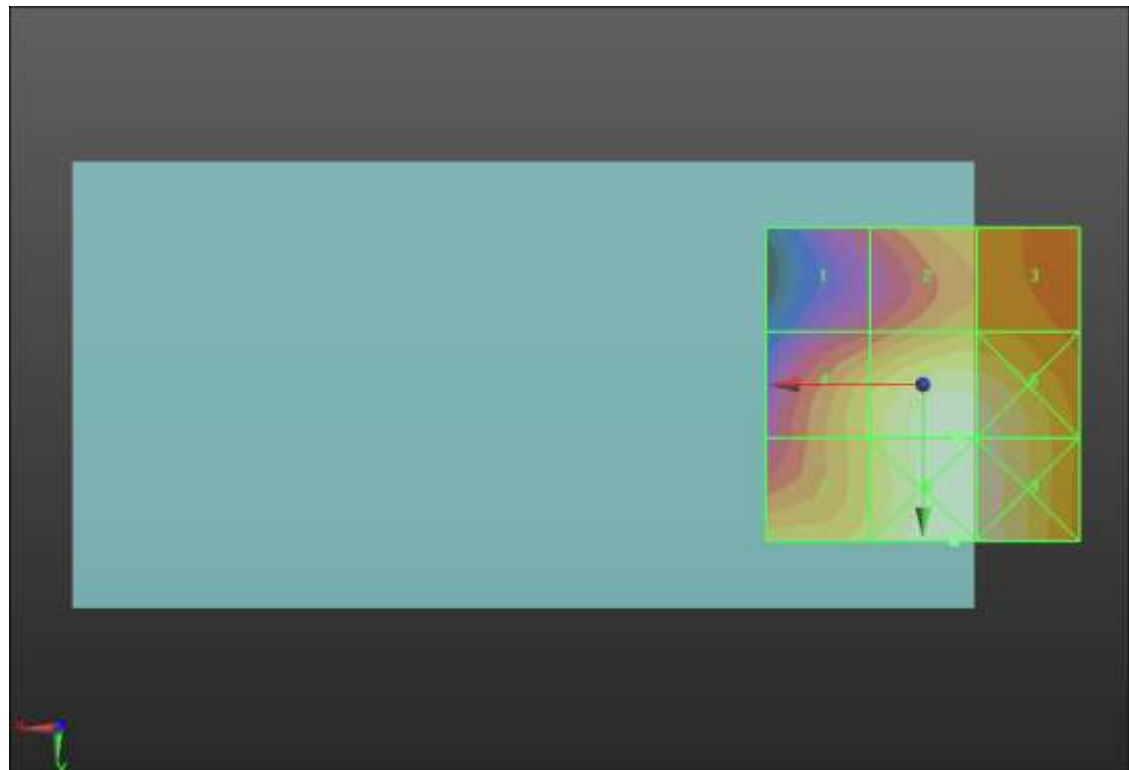
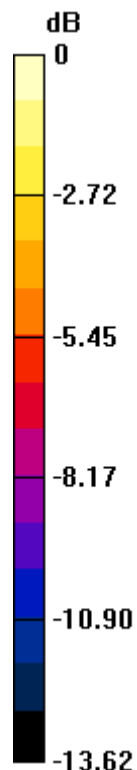
Applied MIF = -1.44 dB

RF audio interference level = 25.18 dBV/m

Emission category: **M4**

MIF scaled E-field

Grid 1 M4 18.97 dBV/m	Grid 2 M4 21.71 dBV/m	Grid 3 M4 21.74 dBV/m
Grid 4 M4 22.91 dBV/m	Grid 5 M4 25.18 dBV/m	Grid 6 M4 25.01 dBV/m
Grid 7 M4 23.25 dBV/m	Grid 8 M4 25.35 dBV/m	Grid 9 M4 25.15 dBV/m



0 dB = 18.52 V/m = 25.35 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 = 28.57 V/m; Power Drift = -0.13 dB

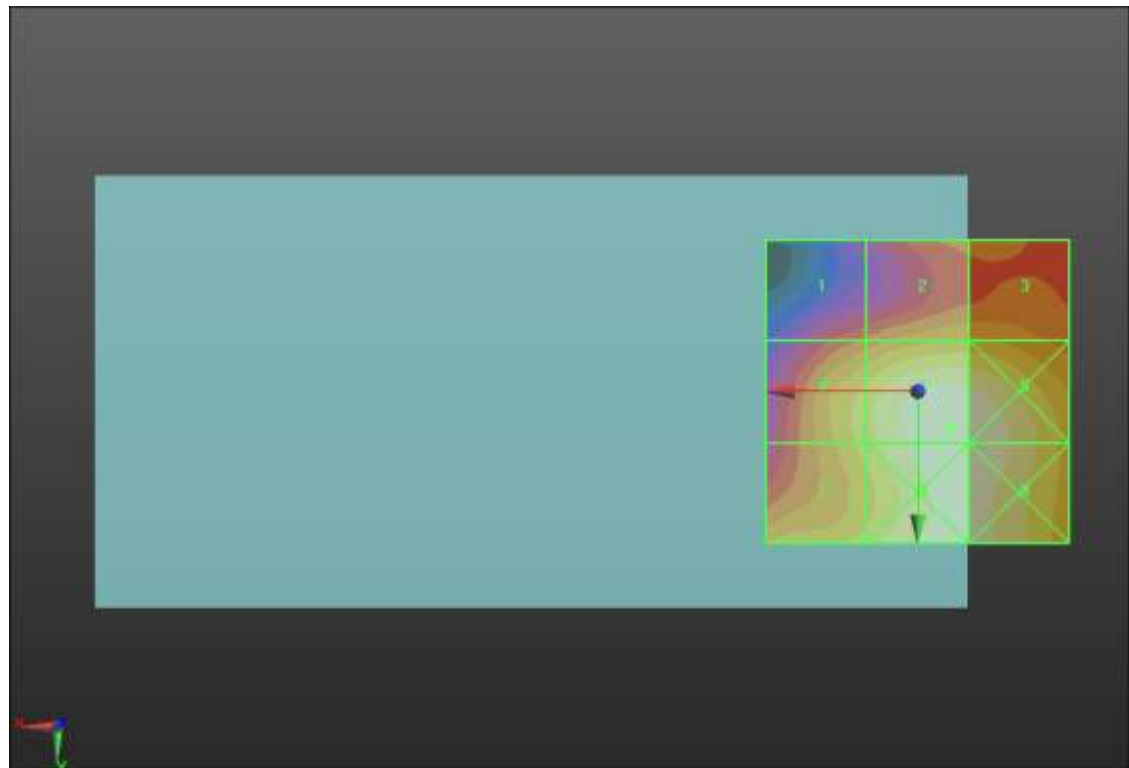
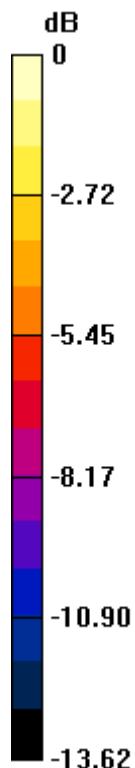
Applied MIF = -1.44 dB

RF audio interference level = 25.46 dBV/m

Emission category: **M4**

MIF scaled E-field

Grid 1 M4 20.21 dBV/m	Grid 2 M4 21.87 dBV/m	Grid 3 M4 21.87 dBV/m
Grid 4 M4 23.36 dBV/m	Grid 5 M4 25.46 dBV/m	Grid 6 M4 25.37 dBV/m
Grid 7 M4 23.21 dBV/m	Grid 8 M4 25.35 dBV/m	Grid 9 M4 25.29 dBV/m



0 dB = 18.74 V/m = 25.46 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 = 19.93 V/m; Power Drift = -0.00 dB

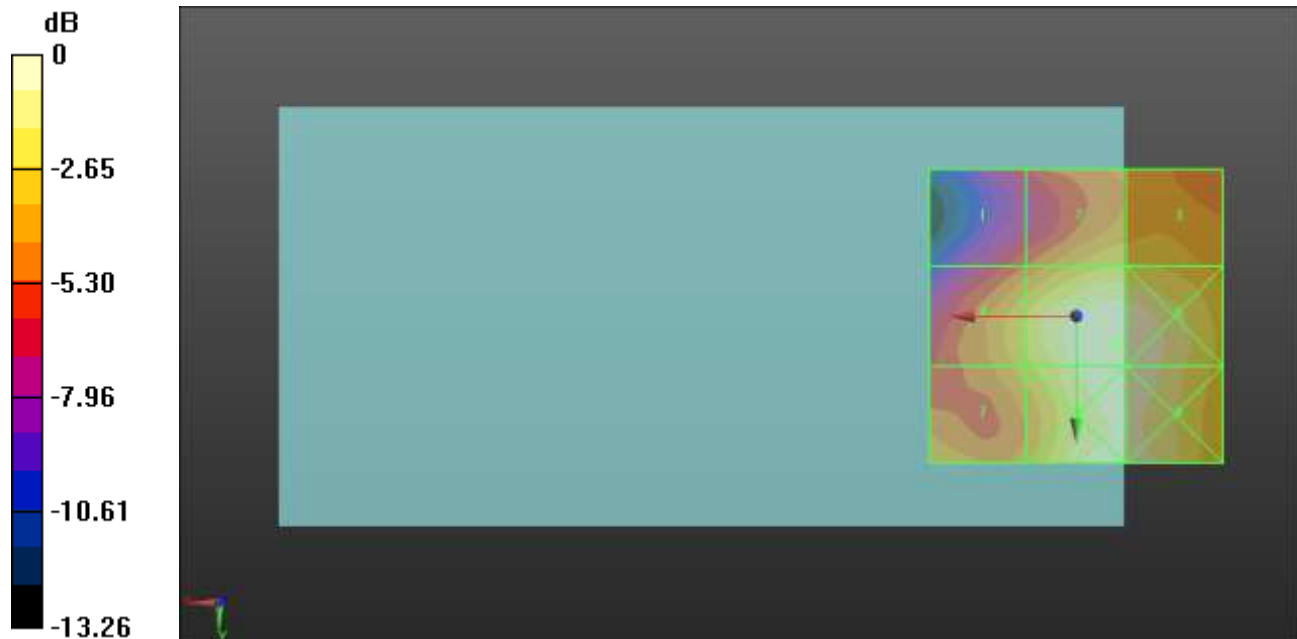
Applied MIF = -1.44 dB

RF audio interference level = 22.24 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 17.01 dBV/m	Grid 2 M4 19.73 dBV/m	Grid 3 M4 19.73 dBV/m
Grid 4 M4 19.82 dBV/m	Grid 5 M4 22.24 dBV/m	Grid 6 M4 22.17 dBV/m
Grid 7 M4 19.25 dBV/m	Grid 8 M4 22.09 dBV/m	Grid 9 M4 22.04 dBV/m



0 dB = 12.95 V/m = 22.25 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); Calibrated: 3/22/2019;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1540; Calibrated: 2/18/2019
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.8 (7);SEMCAD X Version 14.6.10 (7164)

802.11b E-Field measurement/IEEE 802.11b_DSSS 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 = 47.07 V/m; Power Drift = 0.41 dB

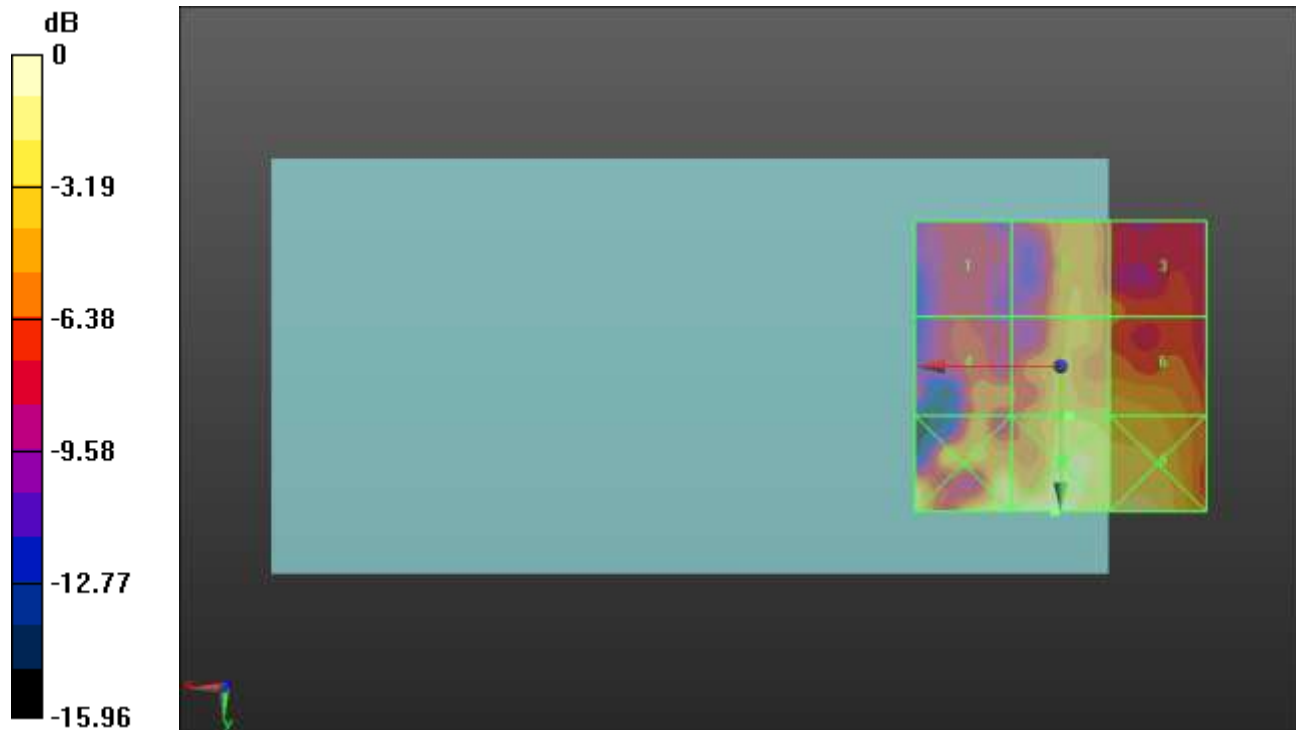
Applied MIF = -2.02 dB

RF audio interference level = 32.24 dBV/m

Emission category: **M3**

MIF scaled E-field

Grid 1 M4 27.92 dBV/m	Grid 2 M3 31.33 dBV/m	Grid 3 M4 29.68 dBV/m
Grid 4 M4 29.98 dBV/m	Grid 5 M3 32.24 dBV/m	Grid 6 M3 31.41 dBV/m
Grid 7 M2 35.02 dBV/m	Grid 8 M2 35.32 dBV/m	Grid 9 M3 34.31 dBV/m



0 dB = 58.36 V/m = 35.32 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); Calibrated: 3/22/2019;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1540; Calibrated: 2/18/2019
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

802.11b E-Field measurement/IEEE 802.11b_DSSS 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 = 57.66 V/m; Power Drift = -0.46 dB

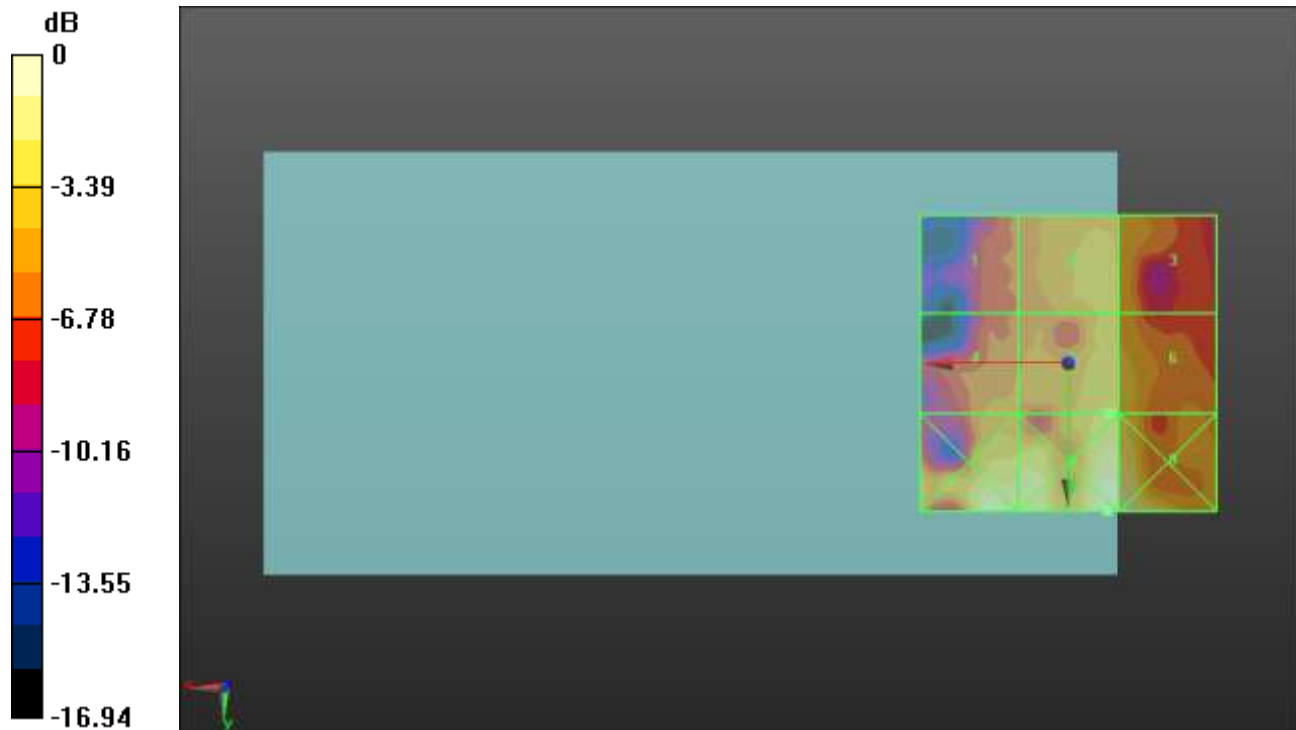
Applied MIF = -2.02 dB

RF audio interference level = 30.93 dBV/m

Emission category: **M3**

MIF scaled E-field

Grid 1 M4 27.85 dBV/m	Grid 2 M4 29.87 dBV/m	Grid 3 M4 29.65 dBV/m
Grid 4 M4 28.91 dBV/m	Grid 5 M3 30.93 dBV/m	Grid 6 M3 30.79 dBV/m
Grid 7 M3 33.37 dBV/m	Grid 8 M3 34.08 dBV/m	Grid 9 M3 33.64 dBV/m



0 dB = 50.59 V/m = 34.08 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); Calibrated: 3/22/2019;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1540; Calibrated: 2/18/2019
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

802.11b E-Field measurement/IEEE 802.11b_DSSS 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 = 60.40 V/m; Power Drift = -0.07 dB

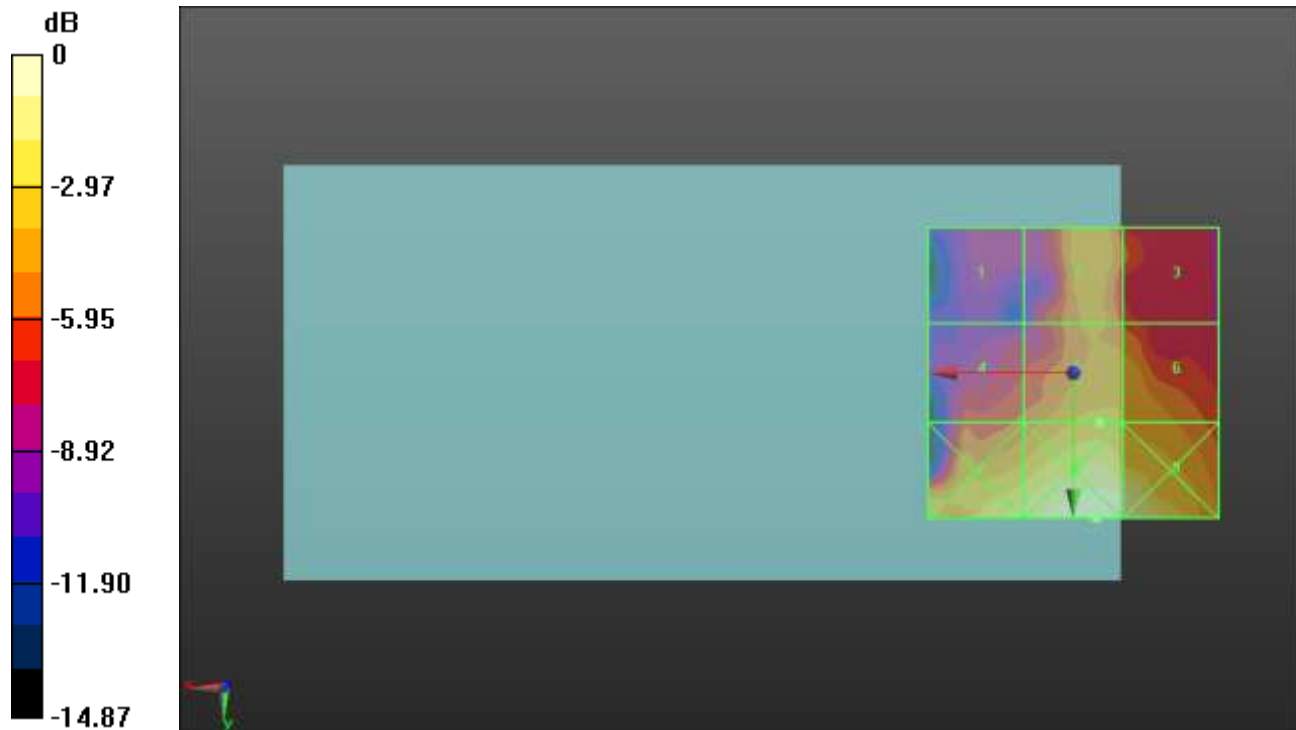
Applied MIF = -2.02 dB

RF audio interference level = 32.06 dBV/m

Emission category: M3

MIF scaled E-field

Grid 1 M4 27.48 dBV/m	Grid 2 M3 31.54 dBV/m	Grid 3 M4 29.9 dBV/m
Grid 4 M4 29.99 dBV/m	Grid 5 M3 32.06 dBV/m	Grid 6 M3 31.65 dBV/m
Grid 7 M3 34.29 dBV/m	Grid 8 M2 35.57 dBV/m	Grid 9 M2 35.3 dBV/m



0 dB = 60.02 V/m = 35.57 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); Calibrated: 3/22/2019;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1540; Calibrated: 2/18/2019
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

802.11g E-Field measurement/IEEE 802.11g_OFDM 54 Mbps_ch 3/Hearing Aid Compatibility Test (101x101x1): Interpolated grid: dx=0.5000 mm, dy=0.5000 mm

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 66.09 V/m; Power Drift = -0.03 dB

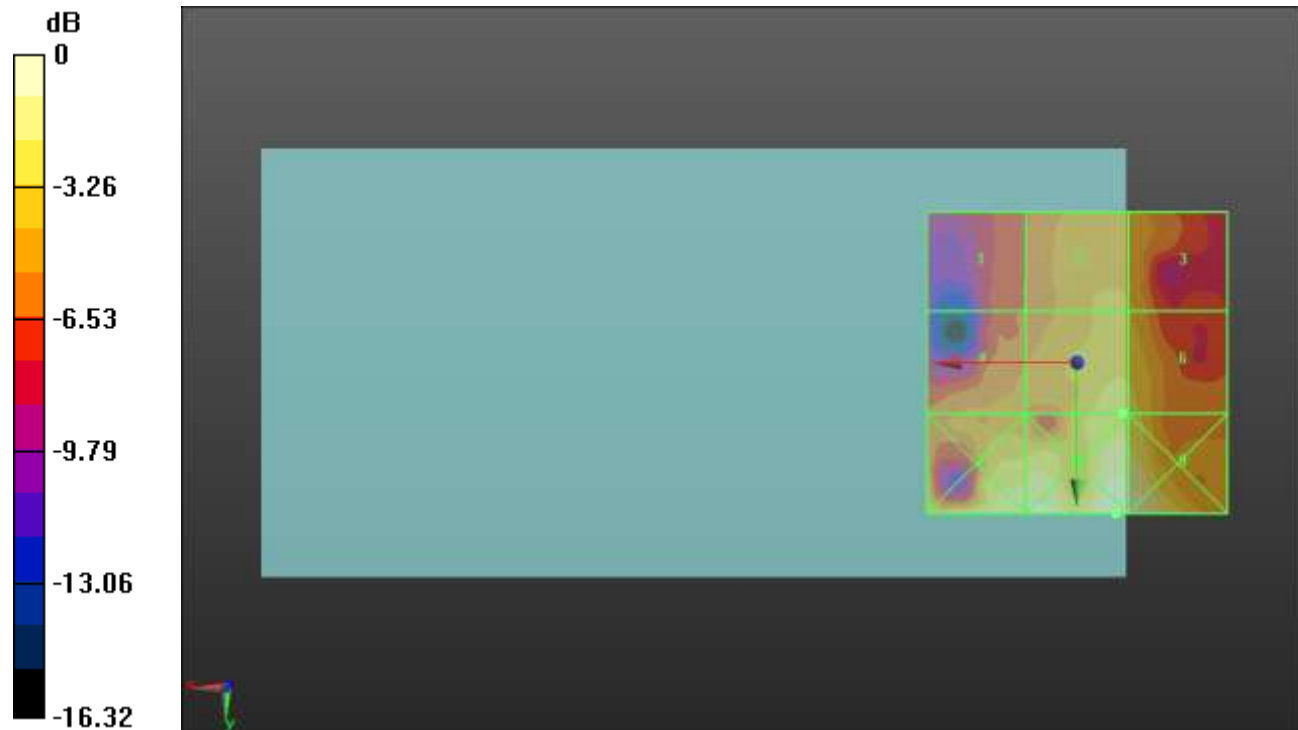
Applied MIF = 0.12 dB

RF audio interference level = 34.57 dBV/m

Emission category: **M3**

MIF scaled E-field

Grid 1 M3 30.97 dBV/m	Grid 2 M3 33.11 dBV/m	Grid 3 M3 33.03 dBV/m
Grid 4 M3 32.3 dBV/m	Grid 5 M3 34.57 dBV/m	Grid 6 M3 34.48 dBV/m
Grid 7 M2 36.34 dBV/m	Grid 8 M2 37.26 dBV/m	Grid 9 M2 37.01 dBV/m



0 dB = 72.93 V/m = 37.26 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); Calibrated: 3/22/2019;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1540; Calibrated: 2/18/2019
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

802.11g E-Field measurement/IEEE 802.11g_OFDM 54 Mbps_ch 6/Hearing Aid Compatibility Test (101x101x1):

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

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 56.35 V/m; Power Drift = -1.69 dB

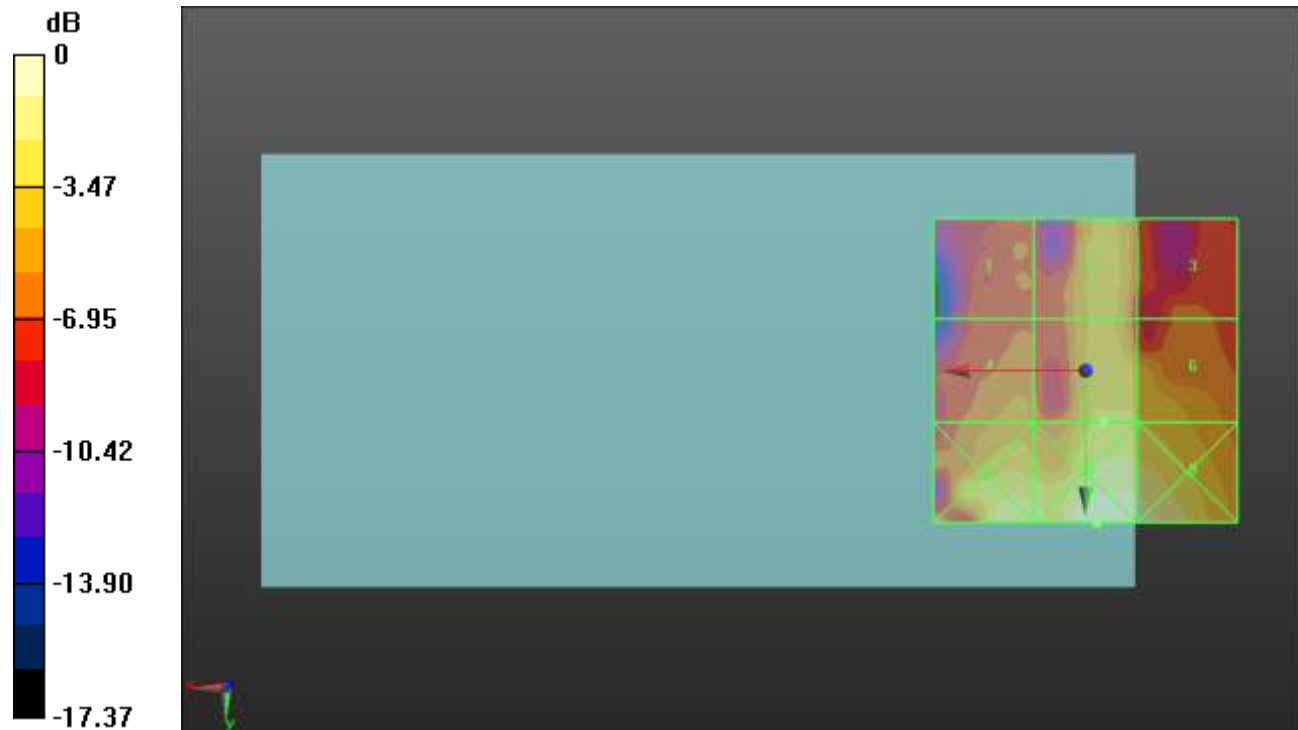
Applied MIF = 0.12 dB

RF audio interference level = 32.65 dBV/m

Emission category: **M3**

MIF scaled E-field

Grid 1 M4 29.15 dBV/m	Grid 2 M3 31.99 dBV/m	Grid 3 M4 29.34 dBV/m
Grid 4 M3 30.67 dBV/m	Grid 5 M3 32.65 dBV/m	Grid 6 M3 32.48 dBV/m
Grid 7 M3 34.86 dBV/m	Grid 8 M2 35.85 dBV/m	Grid 9 M2 35.44 dBV/m



0 dB = 62.04 V/m = 35.85 dBV/m

HAC-RF Emission

Communication System: UID 10077 - CAB, IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 54 Mbps); Frequency: 2452 MHz; Duty Cycle: 1:12.5893

Phantom section: RF Section

DASY5 Configuration:

- Probe: EF3DV3 - SN4041; ConvF(1, 1, 1); Calibrated: 3/22/2019;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1540; Calibrated: 2/18/2019
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

802.11g E-Field measurement/IEEE 802.11g_OFDM 54 Mbps_ch 9/Hearing Aid Compatibility Test (101x101x1):

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

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 51.16 V/m; Power Drift = -0.01 dB

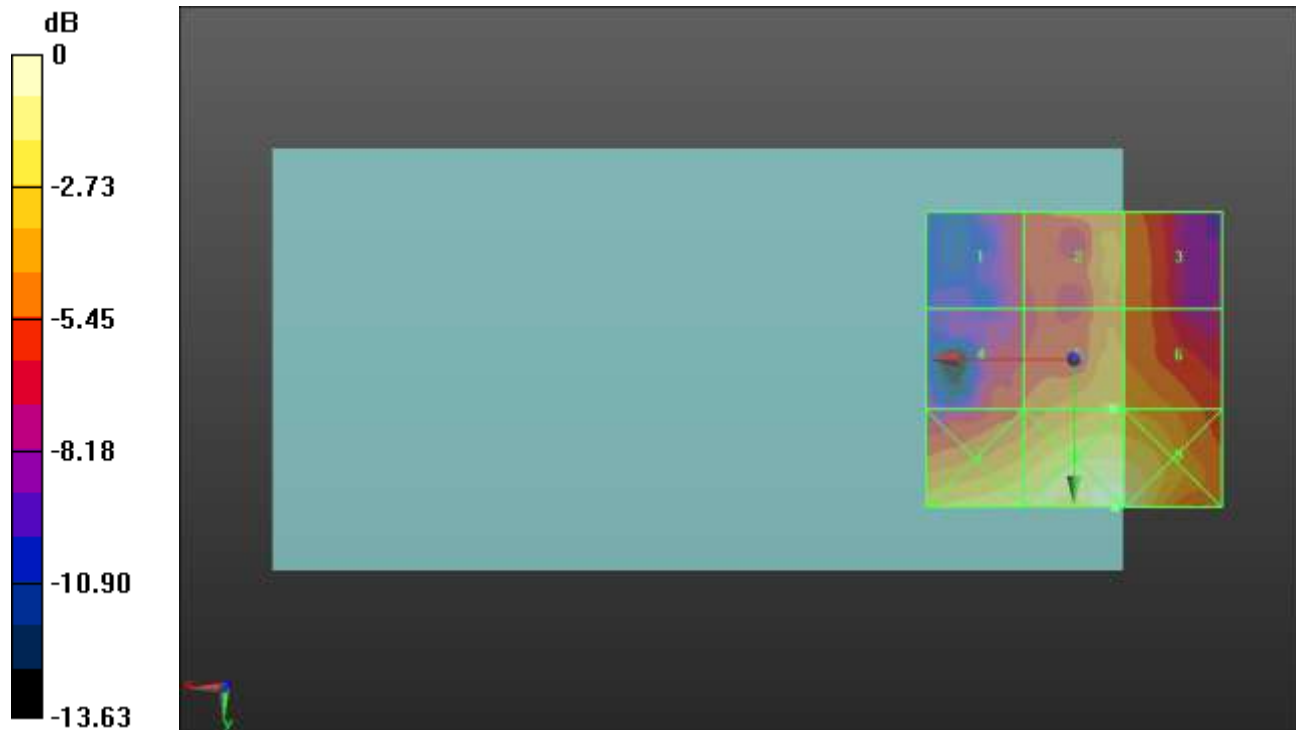
Applied MIF = 0.12 dB

RF audio interference level = 32.62 dBV/m

Emission category: M3

MIF scaled E-field

Grid 1 M4 29.88 dBV/m	Grid 2 M3 31.7 dBV/m	Grid 3 M3 31.51 dBV/m
Grid 4 M3 30.8 dBV/m	Grid 5 M3 32.62 dBV/m	Grid 6 M3 32.57 dBV/m
Grid 7 M3 34.56 dBV/m	Grid 8 M2 36.06 dBV/m	Grid 9 M2 35.91 dBV/m



0 dB = 63.56 V/m = 36.06 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); Calibrated: 3/22/2019;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1540; Calibrated: 2/18/2019
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.8 (7);SEMCAD X Version 14.6.10 (7164)

802.11a 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 = 10.12 V/m; Power Drift = -1.27 dB

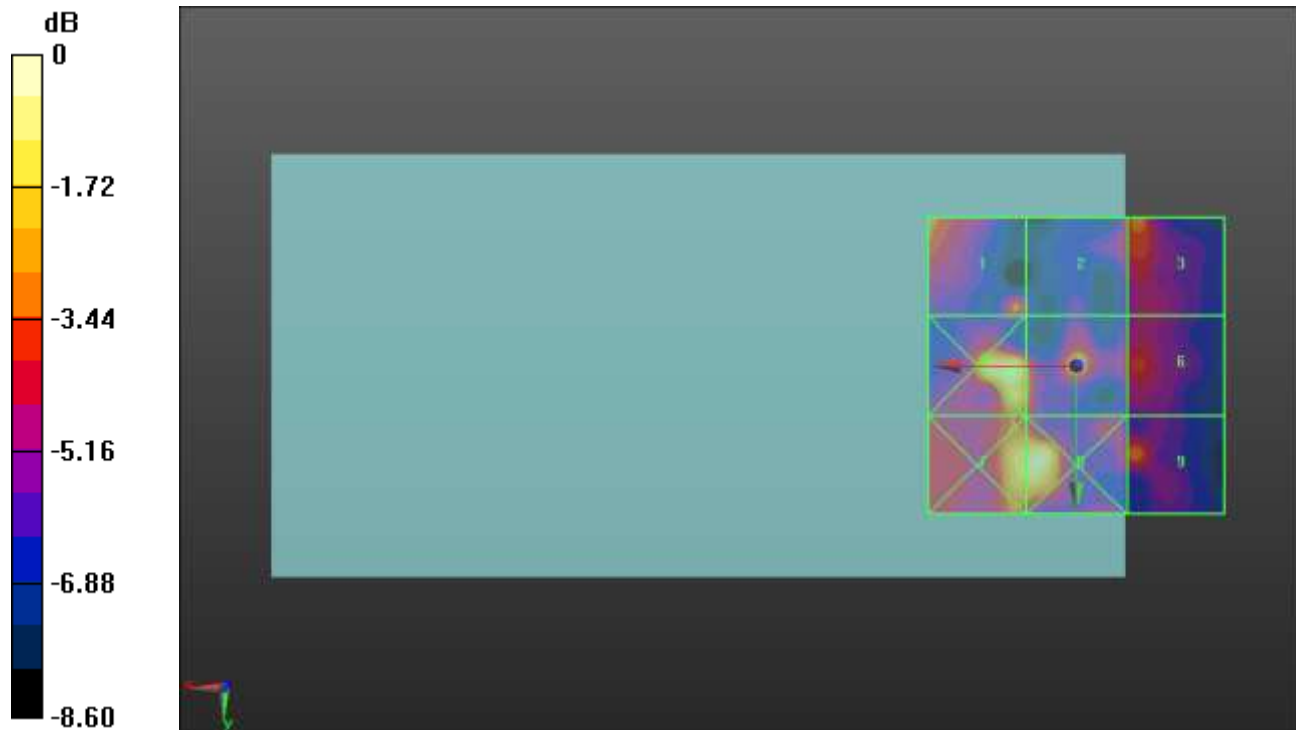
Applied MIF = -3.15 dB

RF audio interference level = 15.09 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 13.86 dBV/m	Grid 2 M4 12.91 dBV/m	Grid 3 M4 14.38 dBV/m
Grid 4 M4 17 dBV/m	Grid 5 M4 15.09 dBV/m	Grid 6 M4 13.15 dBV/m
Grid 7 M4 16.14 dBV/m	Grid 8 M4 16.59 dBV/m	Grid 9 M4 14.16 dBV/m



0 dB = 7.076 V/m = 17.00 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); Calibrated: 3/22/2019;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1540; Calibrated: 2/18/2019
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.8 (7);SEMCAD X Version 14.6.10 (7164)

802.11a 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 = 7.647 V/m; Power Drift = 0.55 dB

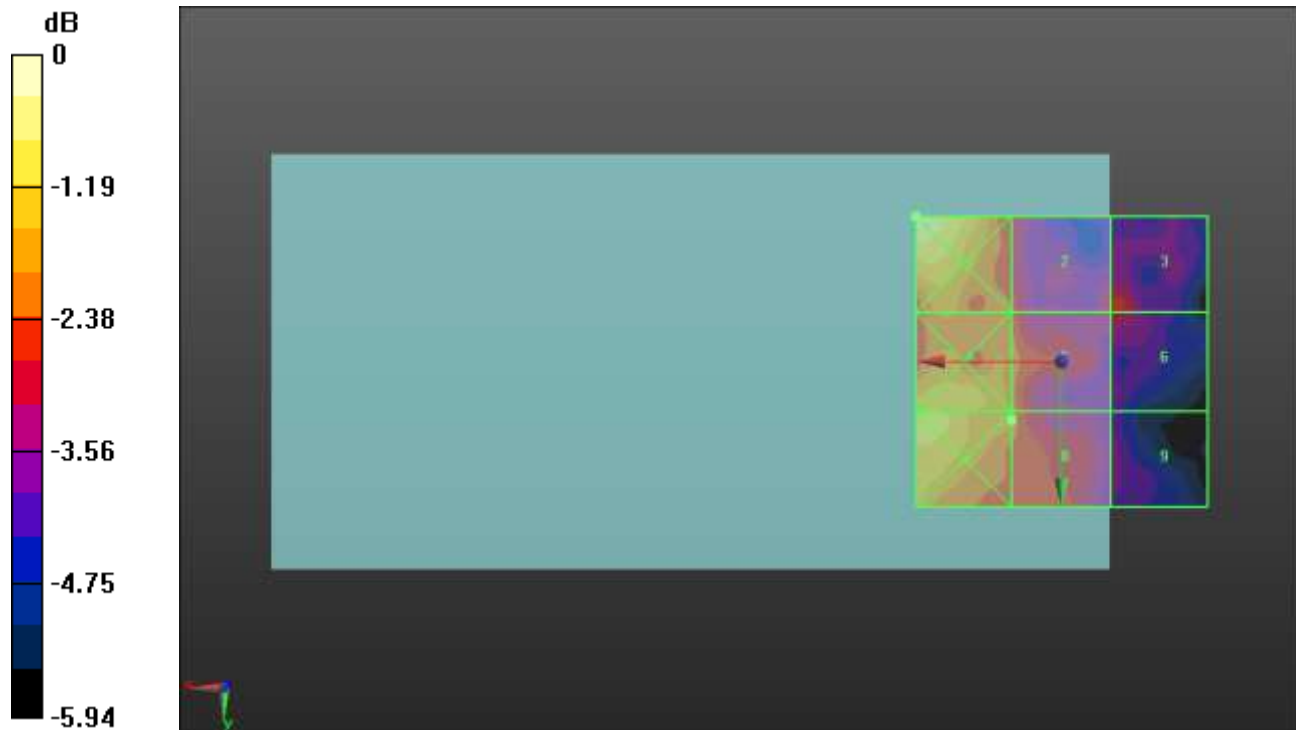
Applied MIF = -3.15 dB

RF audio interference level = 13.20 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 15.22 dBV/m	Grid 2 M4 12.73 dBV/m	Grid 3 M4 12.68 dBV/m
Grid 4 M4 14.07 dBV/m	Grid 5 M4 13.13 dBV/m	Grid 6 M4 12.45 dBV/m
Grid 7 M4 14.2 dBV/m	Grid 8 M4 13.2 dBV/m	Grid 9 M4 11.57 dBV/m



0 dB = 5.771 V/m = 15.23 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); Calibrated: 3/22/2019;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1540; Calibrated: 2/18/2019
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.8 (7);SEMCAD X Version 14.6.10 (7164)

802.11a 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 = 7.808 V/m; Power Drift = -2.38 dB

Applied MIF = -3.15 dB

RF audio interference level = 14.70 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 15.6 dBV/m	Grid 2 M4 13.91 dBV/m	Grid 3 M4 10.49 dBV/m
Grid 4 M4 15.59 dBV/m	Grid 5 M4 14.27 dBV/m	Grid 6 M4 10.2 dBV/m
Grid 7 M4 16.11 dBV/m	Grid 8 M4 14.7 dBV/m	Grid 9 M4 9.98 dBV/m



0 dB = 6.388 V/m = 16.11 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); Calibrated: 3/22/2019;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1540; Calibrated: 2/18/2019
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

802.11a 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 = 7.730 V/m; Power Drift = 0.10 dB

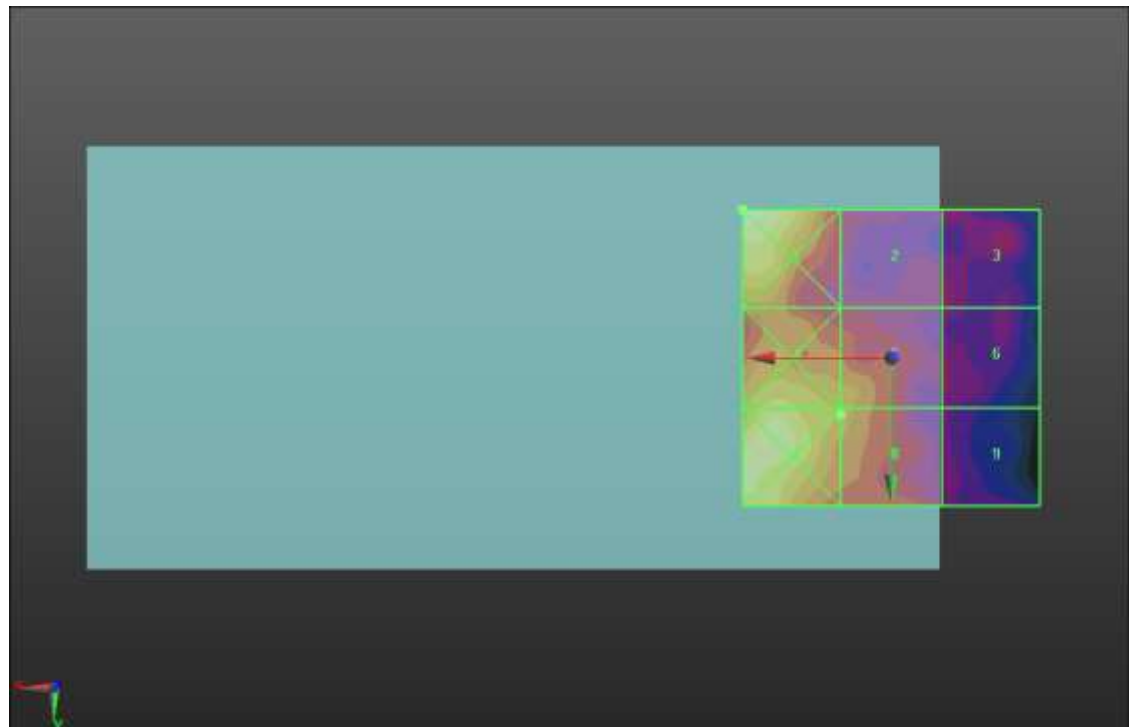
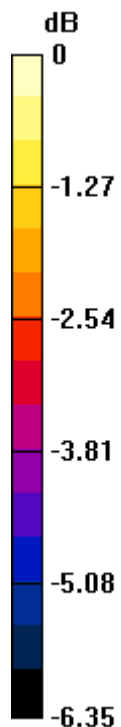
Applied MIF = -3.15 dB

RF audio interference level = 13.64 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 15.49 dBV/m	Grid 2 M4 12.4 dBV/m	Grid 3 M4 12.09 dBV/m
Grid 4 M4 14.51 dBV/m	Grid 5 M4 13.63 dBV/m	Grid 6 M4 11.76 dBV/m
Grid 7 M4 14.97 dBV/m	Grid 8 M4 13.64 dBV/m	Grid 9 M4 11.66 dBV/m



0 dB = 5.952 V/m = 15.49 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); Calibrated: 3/22/2019;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1540; Calibrated: 2/18/2019
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.8 (7);SEMCAD X Version 14.6.10 (7164)

802.11a 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 = 7.321 V/m; Power Drift = 0.54 dB

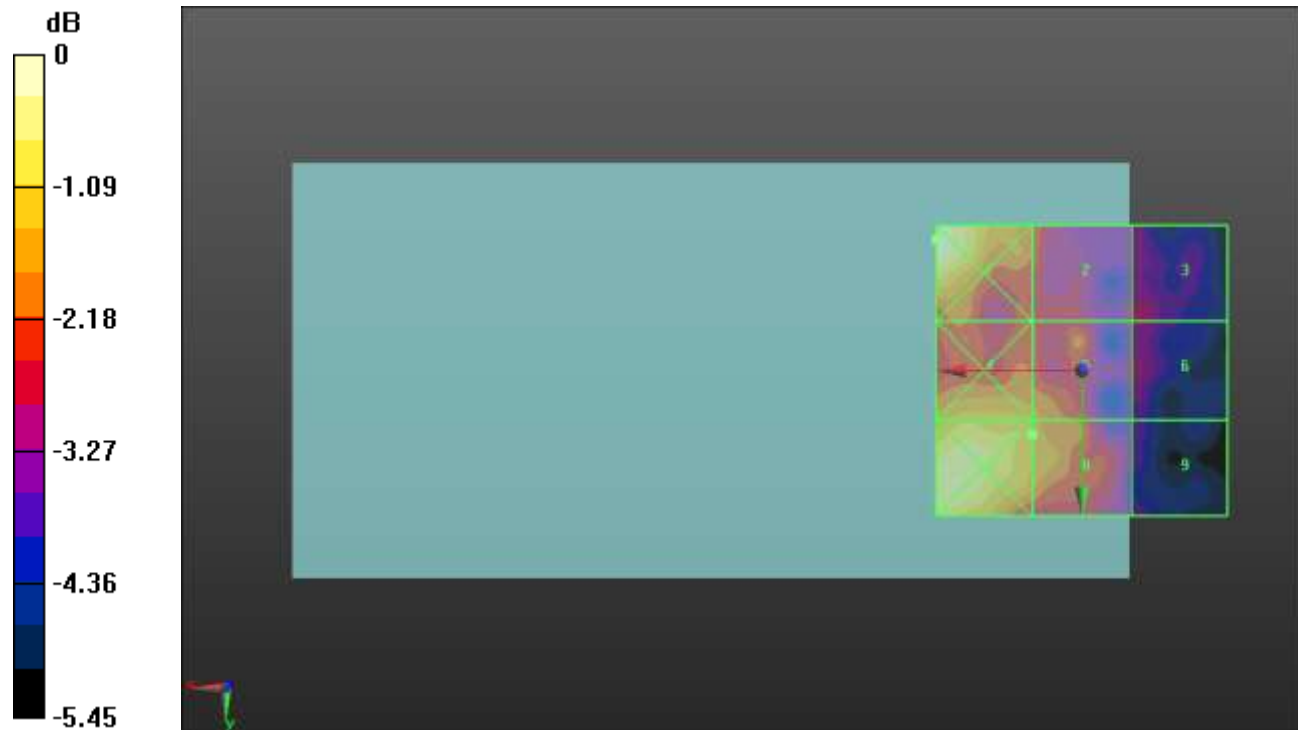
Applied MIF = -3.15 dB

RF audio interference level = 14.23 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 15.59 dBV/m	Grid 2 M4 13.44 dBV/m	Grid 3 M4 12.72 dBV/m
Grid 4 M4 14.43 dBV/m	Grid 5 M4 14.07 dBV/m	Grid 6 M4 12.54 dBV/m
Grid 7 M4 15.24 dBV/m	Grid 8 M4 14.23 dBV/m	Grid 9 M4 12.12 dBV/m



0 dB = 6.022 V/m = 15.59 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); Calibrated: 3/22/2019;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1540; Calibrated: 2/18/2019
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.8 (7);SEMCAD X Version 14.6.10 (7164)

802.11a 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 = 7.197 V/m; Power Drift = 0.16 dB

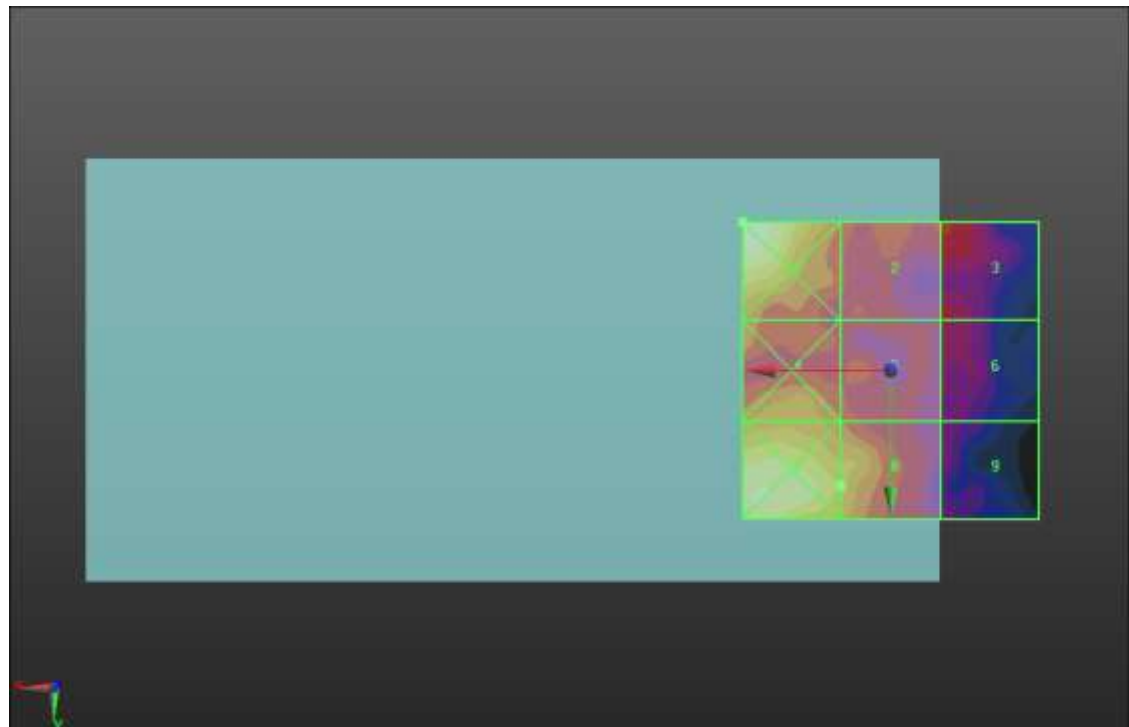
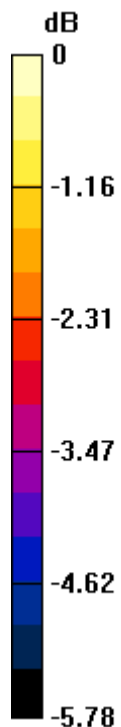
Applied MIF = -3.15 dB

RF audio interference level = 14.25 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 15.55 dBV/m	Grid 2 M4 13.3 dBV/m	Grid 3 M4 12.94 dBV/m
Grid 4 M4 13.96 dBV/m	Grid 5 M4 13.3 dBV/m	Grid 6 M4 12.54 dBV/m
Grid 7 M4 15.18 dBV/m	Grid 8 M4 14.25 dBV/m	Grid 9 M4 12.09 dBV/m



0 dB = 5.990 V/m = 15.55 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); Calibrated: 3/22/2019;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1540; Calibrated: 2/18/2019
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.8 (7);SEMCAD X Version 14.6.10 (7164)

802.11a 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 = 7.541 V/m; Power Drift = 0.26 dB

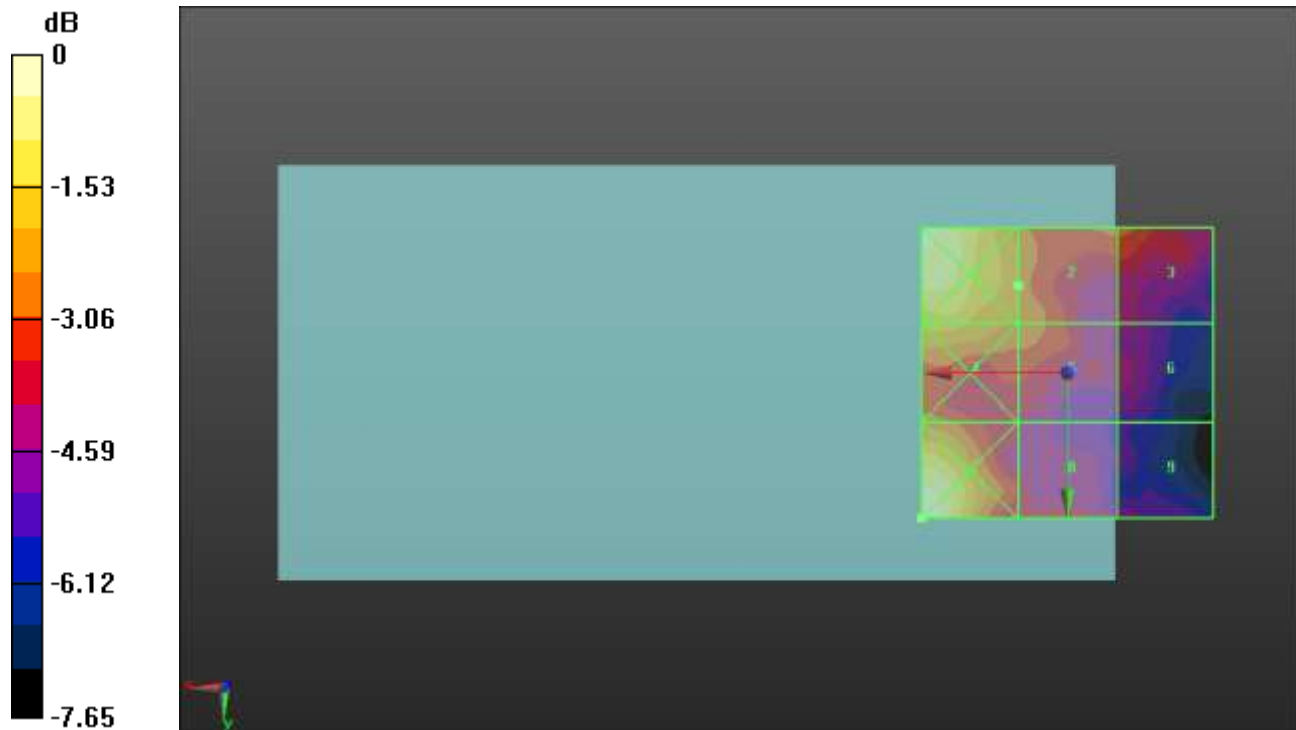
Applied MIF = -3.15 dB

RF audio interference level = 13.98 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 16.15 dBV/m	Grid 2 M4 13.98 dBV/m	Grid 3 M4 13.62 dBV/m
Grid 4 M4 14.7 dBV/m	Grid 5 M4 13.81 dBV/m	Grid 6 M4 12.26 dBV/m
Grid 7 M4 16.46 dBV/m	Grid 8 M4 12.86 dBV/m	Grid 9 M4 12.01 dBV/m



0 dB = 6.650 V/m = 16.46 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); Calibrated: 3/22/2019;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1540; Calibrated: 2/18/2019
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.8 (7);SEMCAD X Version 14.6.10 (7164)

802.11a 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 = 7.877 V/m; Power Drift = 0.79 dB

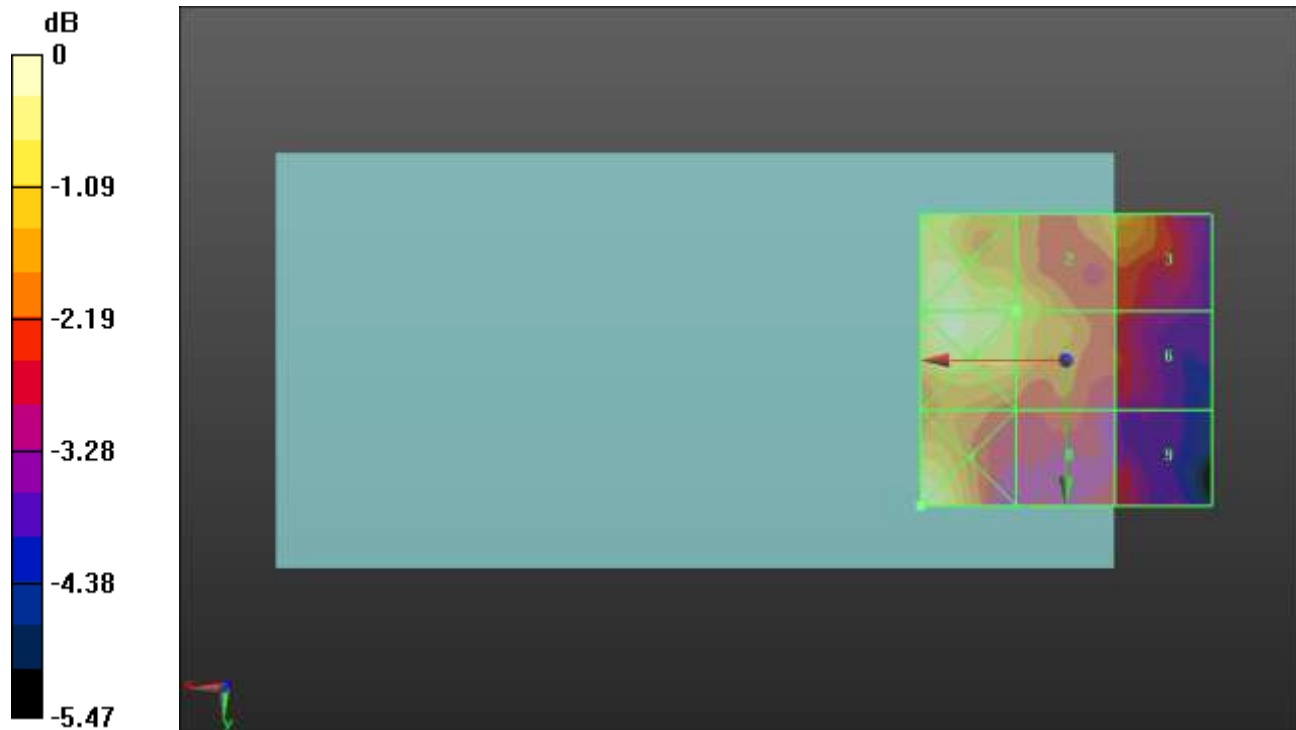
Applied MIF = -3.15 dB

RF audio interference level = 14.27 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 14.89 dBV/m	Grid 2 M4 14.27 dBV/m	Grid 3 M4 13.91 dBV/m
Grid 4 M4 14.94 dBV/m	Grid 5 M4 14.27 dBV/m	Grid 6 M4 12.83 dBV/m
Grid 7 M4 15.19 dBV/m	Grid 8 M4 13.01 dBV/m	Grid 9 M4 12.63 dBV/m



0 dB = 5.751 V/m = 15.19 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); Calibrated: 3/22/2019;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1540; Calibrated: 2/18/2019
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.8 (7);SEMCAD X Version 14.6.10 (7164)

802.11a 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 = 9.673 V/m; Power Drift = 0.12 dB

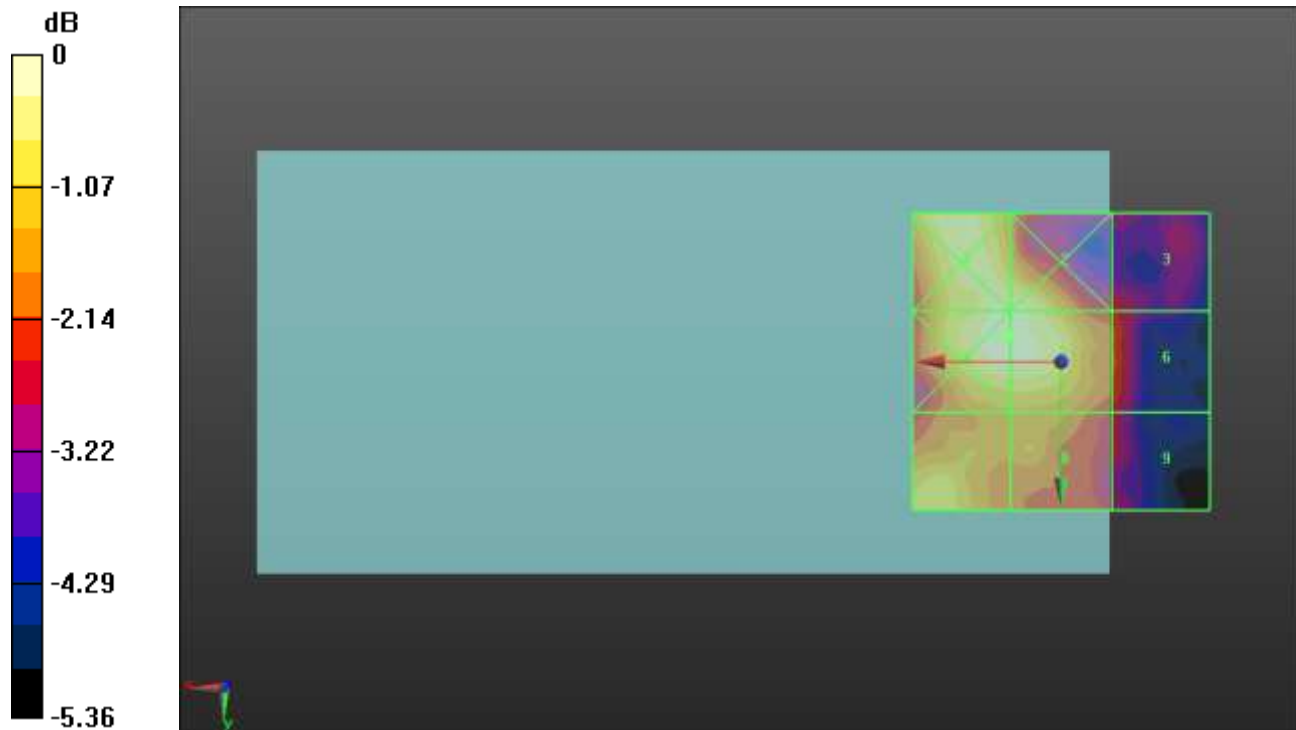
Applied MIF = -3.15 dB

RF audio interference level = 15.55 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 15.32 dBV/m	Grid 2 M4 15.32 dBV/m	Grid 3 M4 13.14 dBV/m
Grid 4 M4 15.57 dBV/m	Grid 5 M4 15.55 dBV/m	Grid 6 M4 13.58 dBV/m
Grid 7 M4 14.78 dBV/m	Grid 8 M4 14.17 dBV/m	Grid 9 M4 12.96 dBV/m



0 dB = 6.002 V/m = 15.57 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); Calibrated: 3/22/2019;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1540; Calibrated: 2/18/2019
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

802.11a 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 = 9.660 V/m; Power Drift = -0.50 dB

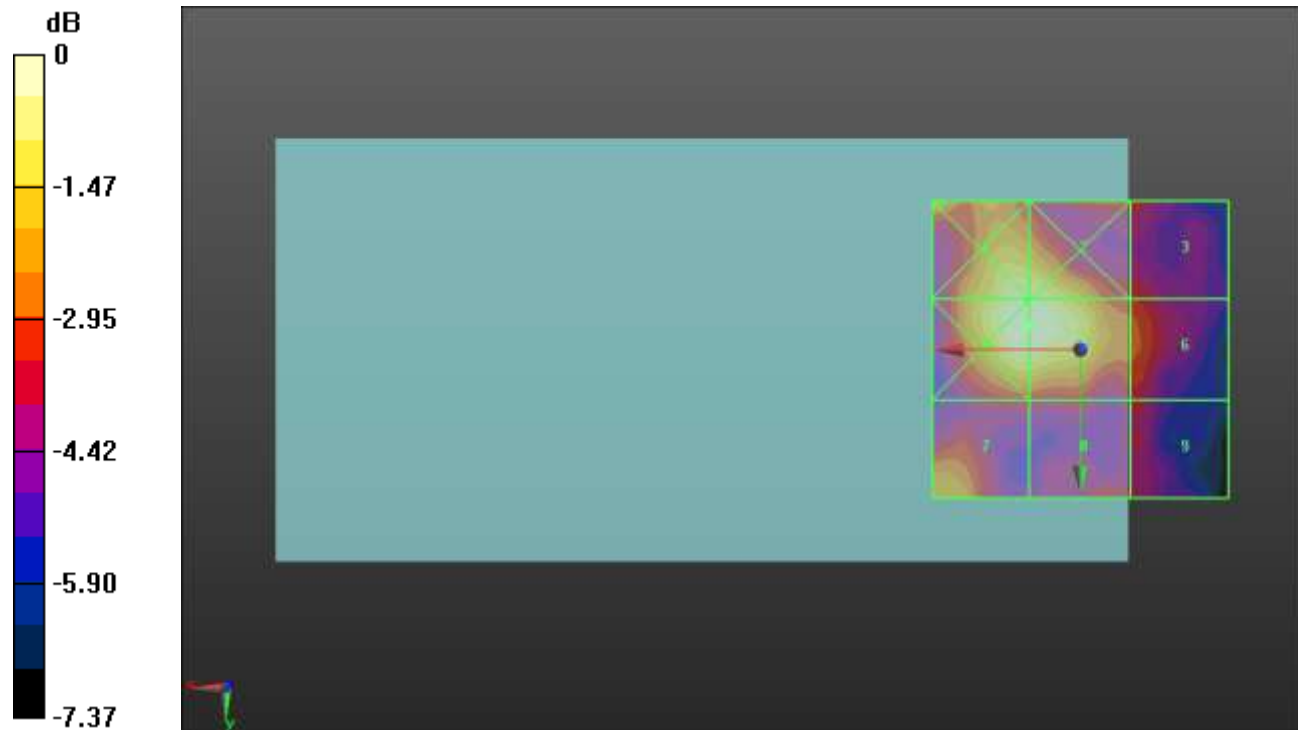
Applied MIF = -3.15 dB

RF audio interference level = 15.37 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 15.08 dBV/m	Grid 2 M4 15.05 dBV/m	Grid 3 M4 12.03 dBV/m
Grid 4 M4 15.37 dBV/m	Grid 5 M4 15.37 dBV/m	Grid 6 M4 12.67 dBV/m
Grid 7 M4 13.44 dBV/m	Grid 8 M4 12.03 dBV/m	Grid 9 M4 11.69 dBV/m



0 dB = 5.865 V/m = 15.37 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); Calibrated: 3/22/2019;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1540; Calibrated: 2/18/2019
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

802.11a 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 = 10.36 V/m; Power Drift = 0.15 dB

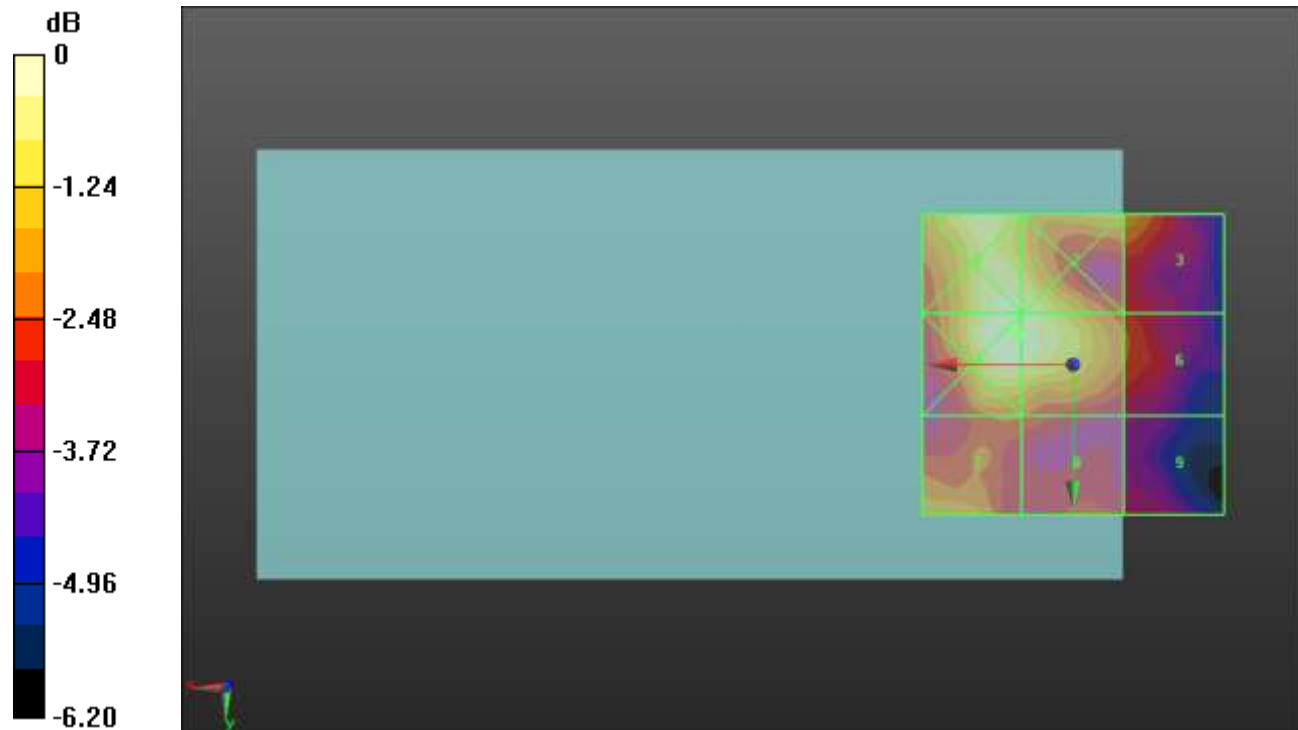
Applied MIF = -3.15 dB

RF audio interference level = 16.19 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 16.11 dBV/m	Grid 2 M4 16.02 dBV/m	Grid 3 M4 14.69 dBV/m
Grid 4 M4 16.24 dBV/m	Grid 5 M4 16.19 dBV/m	Grid 6 M4 13.89 dBV/m
Grid 7 M4 14.66 dBV/m	Grid 8 M4 13.81 dBV/m	Grid 9 M4 13.11 dBV/m



0 dB = 6.488 V/m = 16.24 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); Calibrated: 3/22/2019;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1540; Calibrated: 2/18/2019
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

802.11a 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 = 10.63 V/m; Power Drift = -0.00 dB

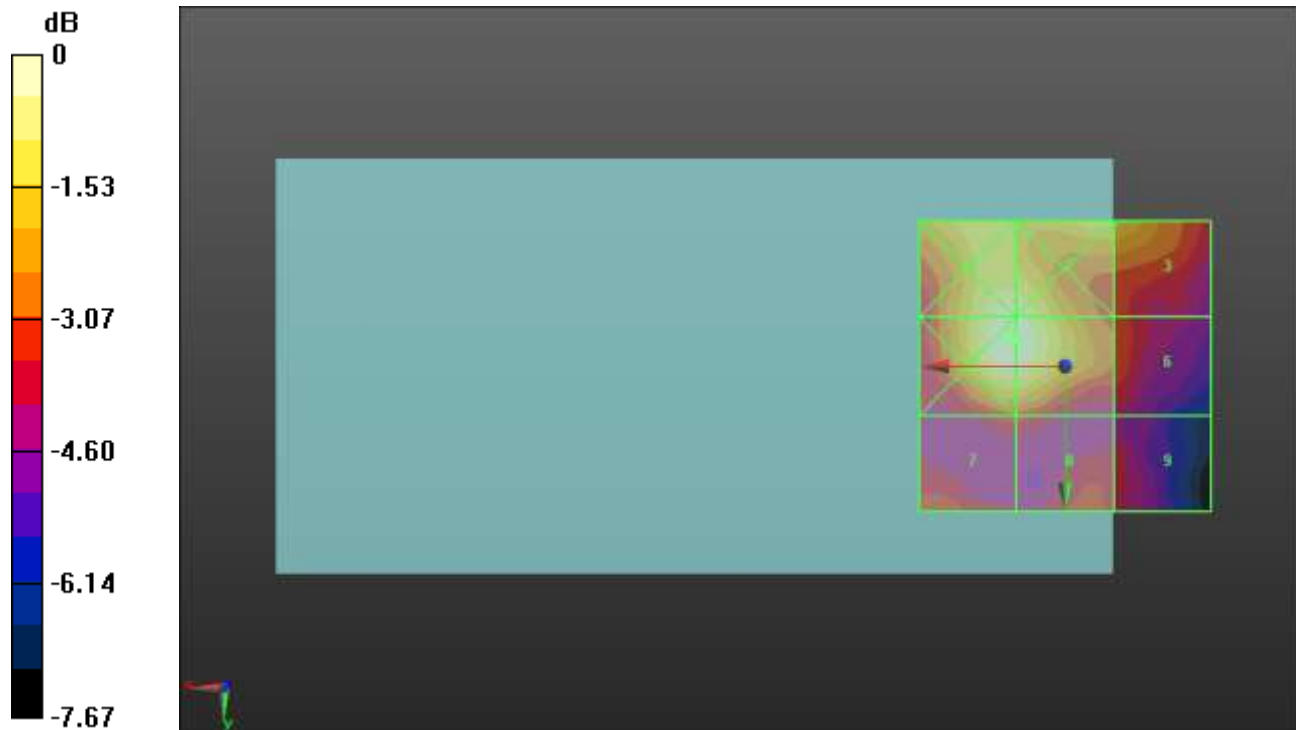
Applied MIF = -3.15 dB

RF audio interference level = 17.11 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 16.81 dBV/m	Grid 2 M4 16.79 dBV/m	Grid 3 M4 15.88 dBV/m
Grid 4 M4 17.14 dBV/m	Grid 5 M4 17.11 dBV/m	Grid 6 M4 14.11 dBV/m
Grid 7 M4 13.94 dBV/m	Grid 8 M4 13.89 dBV/m	Grid 9 M4 13.38 dBV/m



0 dB = 7.191 V/m = 17.14 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 = 19.48 V/m; Power Drift = 1.24 dB

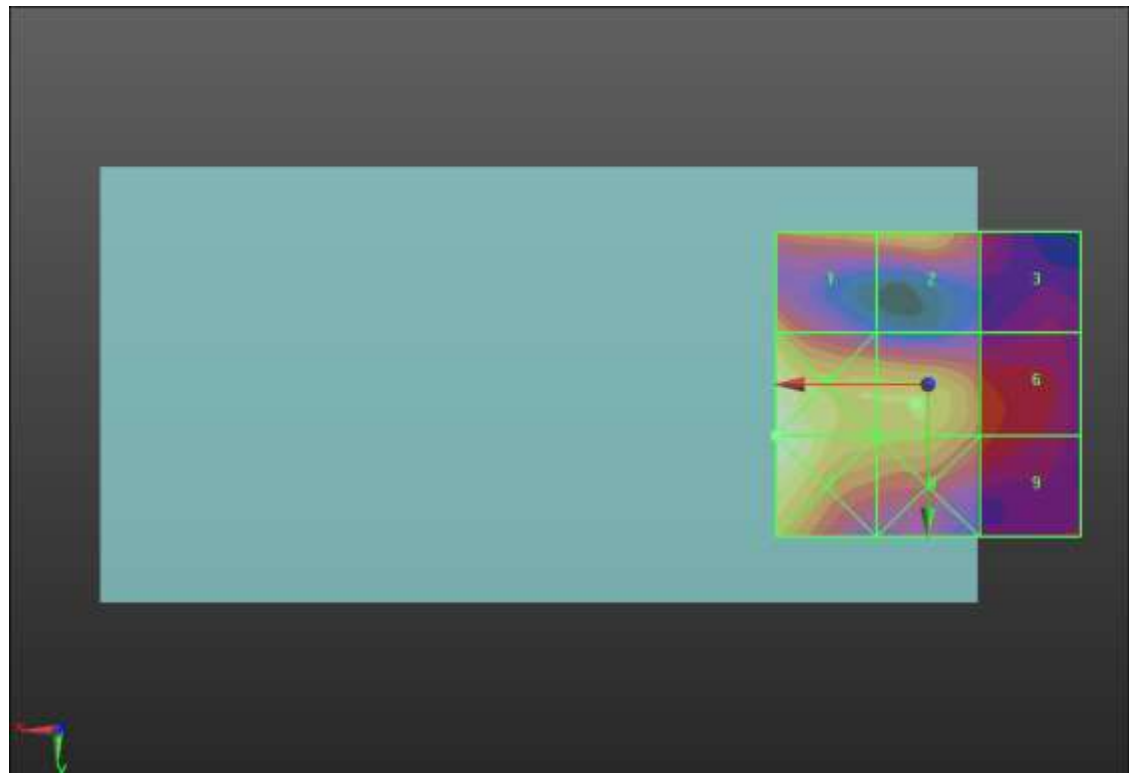
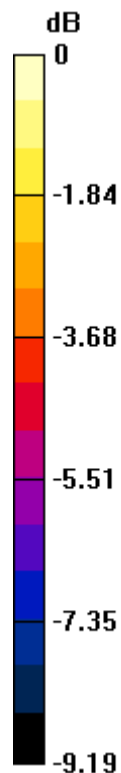
Applied MIF = -1.44 dB

RF audio interference level = 21.32 dBV/m

Emission category: **M4**

MIF scaled E-field

Grid 1 M4 20.37 dBV/m	Grid 2 M4 20.56 dBV/m	Grid 3 M4 18.26 dBV/m
Grid 4 M4 23.06 dBV/m	Grid 5 M4 21.32 dBV/m	Grid 6 M4 19.4 dBV/m
Grid 7 M4 23.06 dBV/m	Grid 8 M4 20.85 dBV/m	Grid 9 M4 19.14 dBV/m



0 dB = 14.23 V/m = 23.06 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 = 21.45 V/m; Power Drift = -0.28 dB

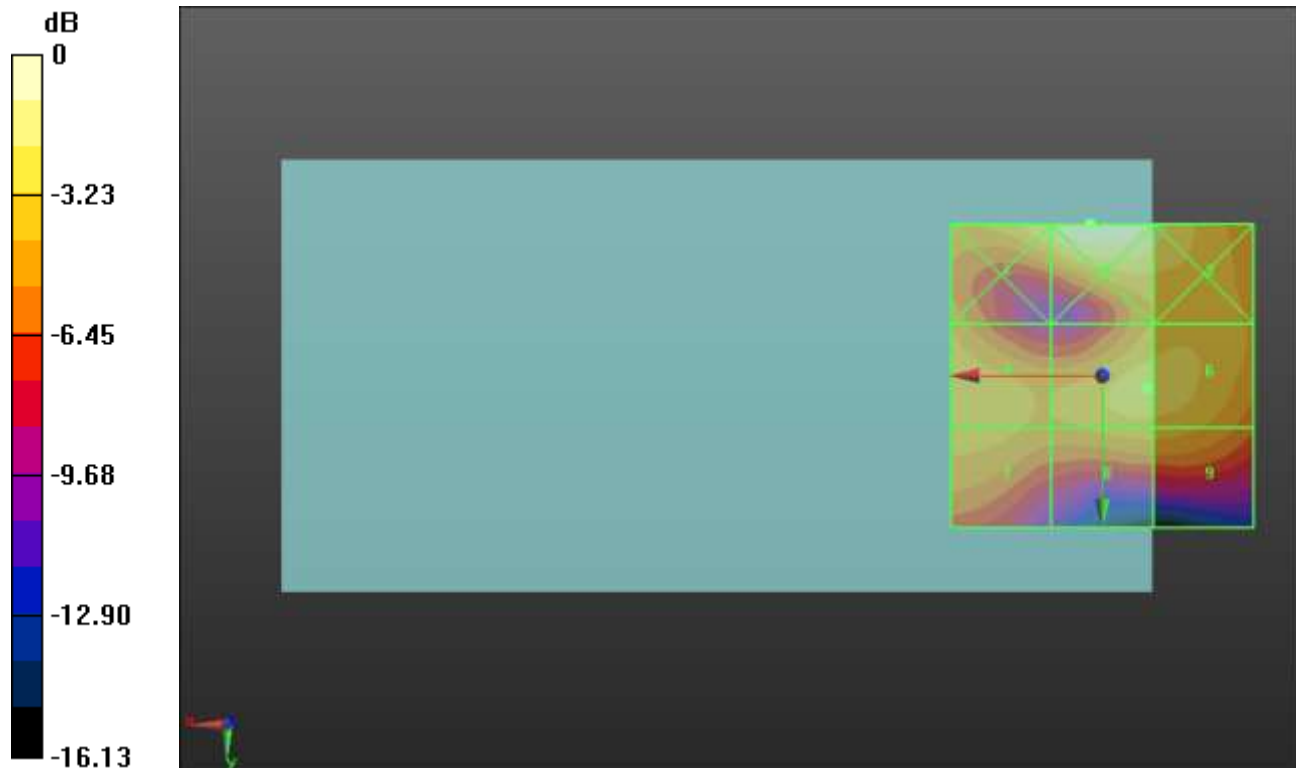
Applied MIF = -1.44 dB

RF audio interference level = 22.51 dBV/m

Emission category: **M4**

MIF scaled E-field

Grid 1 M4 23.7 dBV/m	Grid 2 M4 25.19 dBV/m	Grid 3 M4 23.61 dBV/m
Grid 4 M4 21.9 dBV/m	Grid 5 M4 22.51 dBV/m	Grid 6 M4 22.49 dBV/m
Grid 7 M4 21.64 dBV/m	Grid 8 M4 21.64 dBV/m	Grid 9 M4 21.63 dBV/m



0 dB = 18.17 V/m = 25.19 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 = 21.57 V/m; Power Drift = -0.70 dB

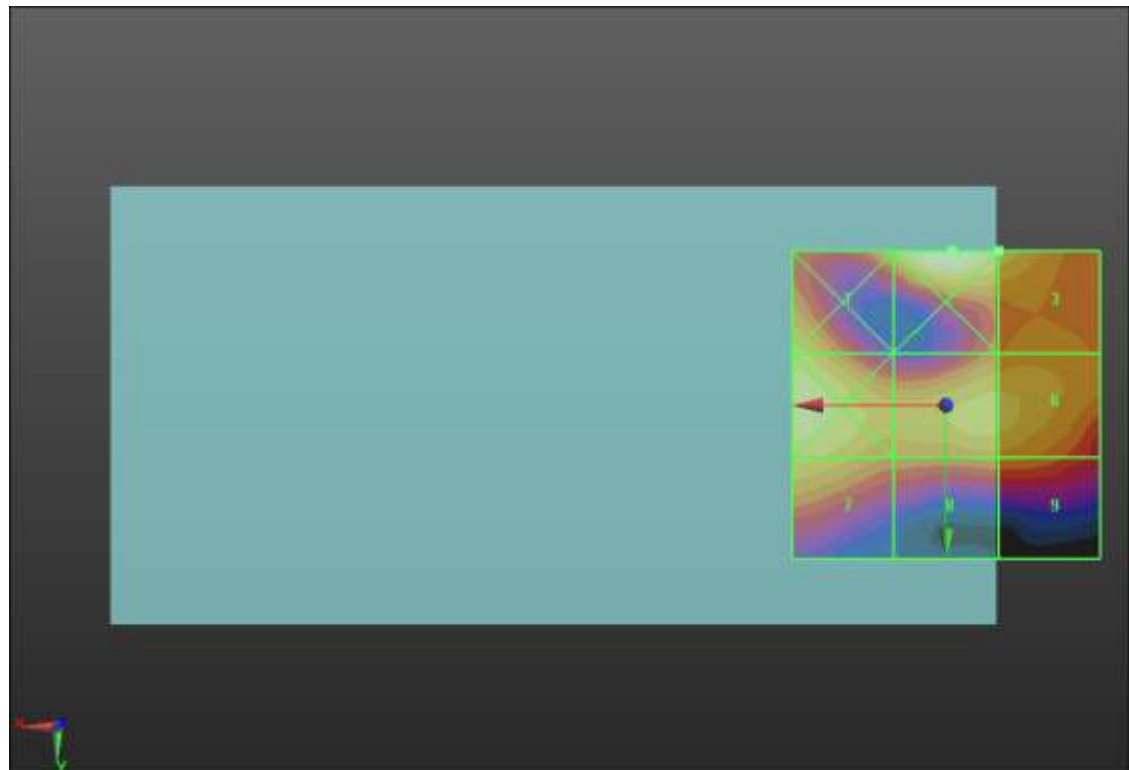
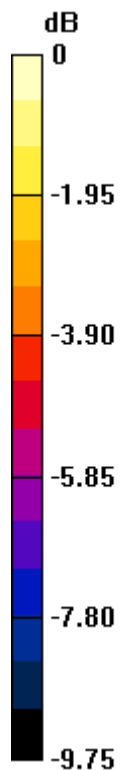
Applied MIF = -1.44 dB

RF audio interference level = 22.27 dBV/m

Emission category: **M4**

MIF scaled E-field

Grid 1 M4 21.85 dBV/m	Grid 2 M4 23.47 dBV/m	Grid 3 M4 22.27 dBV/m
Grid 4 M4 22.62 dBV/m	Grid 5 M4 21.84 dBV/m	Grid 6 M4 21.79 dBV/m
Grid 7 M4 21.74 dBV/m	Grid 8 M4 20.47 dBV/m	Grid 9 M4 20.47 dBV/m



0 dB = 14.91 V/m = 23.47 dBV/m

HAC-RF Emission

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

Phantom section: RF Section

DASY5 Configuration:

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

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

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 21.73 V/m; Power Drift = -0.24 dB

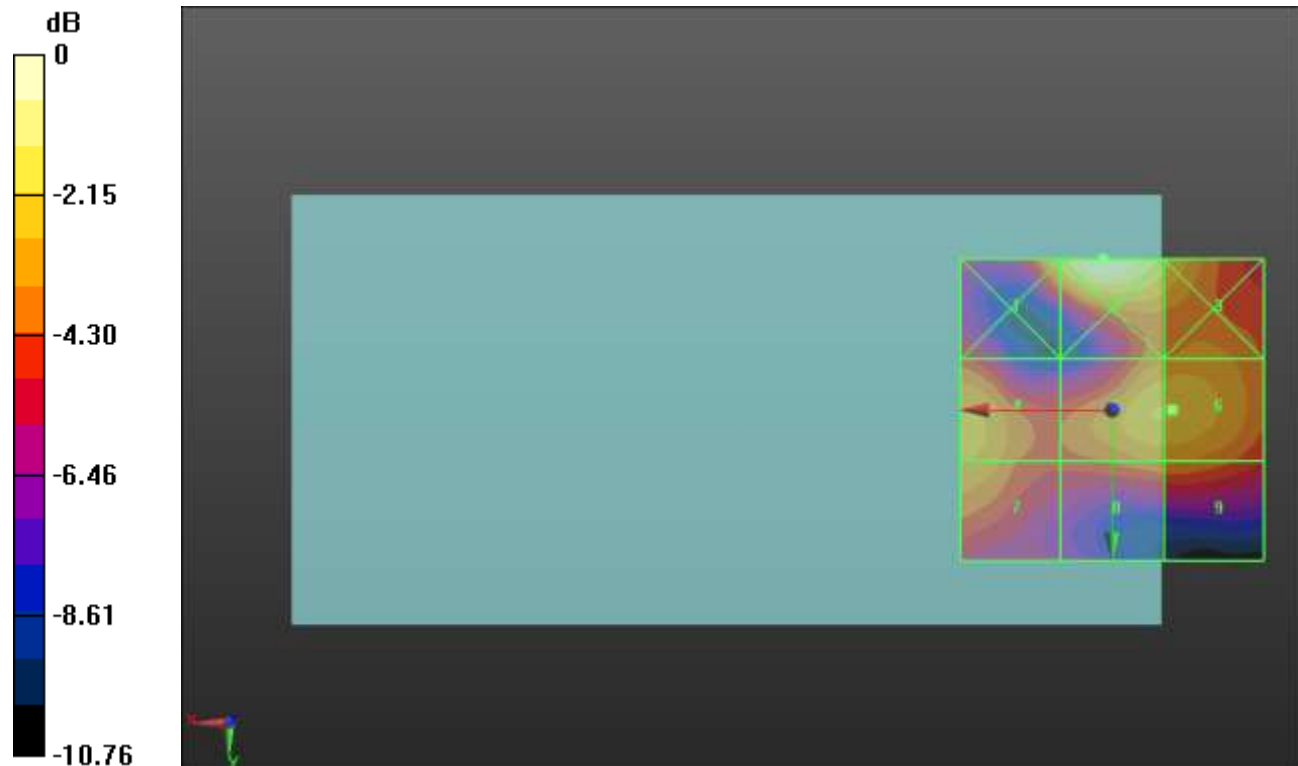
Applied MIF = -1.44 dB

RF audio interference level = 22.10 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 22.39 dBV/m	Grid 2 M4 24.19 dBV/m	Grid 3 M4 22.5 dBV/m
Grid 4 M4 21.58 dBV/m	Grid 5 M4 22.08 dBV/m	Grid 6 M4 22.1 dBV/m
Grid 7 M4 21.33 dBV/m	Grid 8 M4 20.68 dBV/m	Grid 9 M4 20.7 dBV/m



0 dB = 16.20 V/m = 24.19 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); Calibrated: 3/22/2019;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1540; Calibrated: 2/18/2019
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

802.11a 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 = 20.15 V/m; Power Drift = 0.14 dB

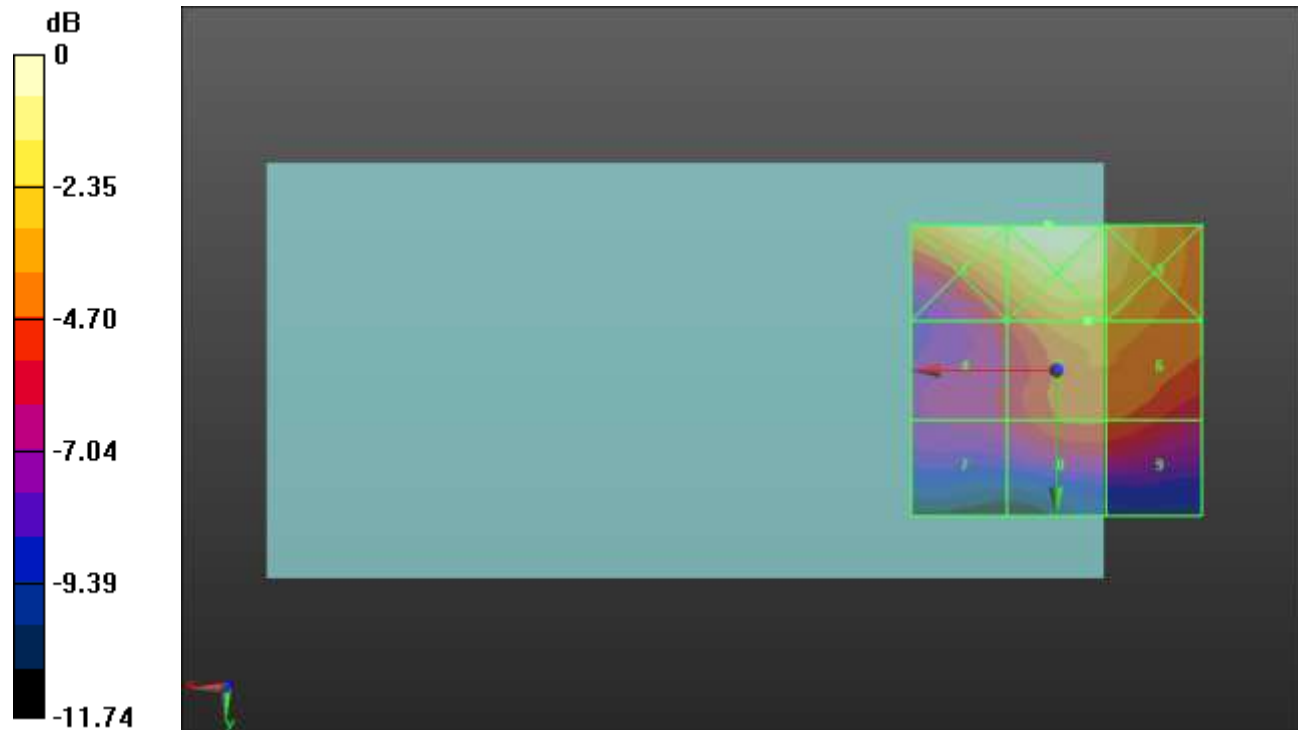
Applied MIF = -3.15 dB

RF audio interference level = 23.46 dBV/m

Emission category: **M4**

MIF scaled E-field

Grid 1 M4 26.27 dBV/m	Grid 2 M4 26.53 dBV/m	Grid 3 M4 25.42 dBV/m
Grid 4 M4 21.33 dBV/m	Grid 5 M4 23.46 dBV/m	Grid 6 M4 23.35 dBV/m
Grid 7 M4 20.41 dBV/m	Grid 8 M4 22.01 dBV/m	Grid 9 M4 21.94 dBV/m



0 dB = 21.21 V/m = 26.53 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); Calibrated: 3/22/2019;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1540; Calibrated: 2/18/2019
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.8 (7);SEMCAD X Version 14.6.10 (7164)

802.11a E-Field measurement/IEEE 802.11a_OFDM 54 Mbps_ch 44/Hearing Aid Compatibility Test (101x101x1):

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

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 21.50 V/m; Power Drift = -0.66 dB

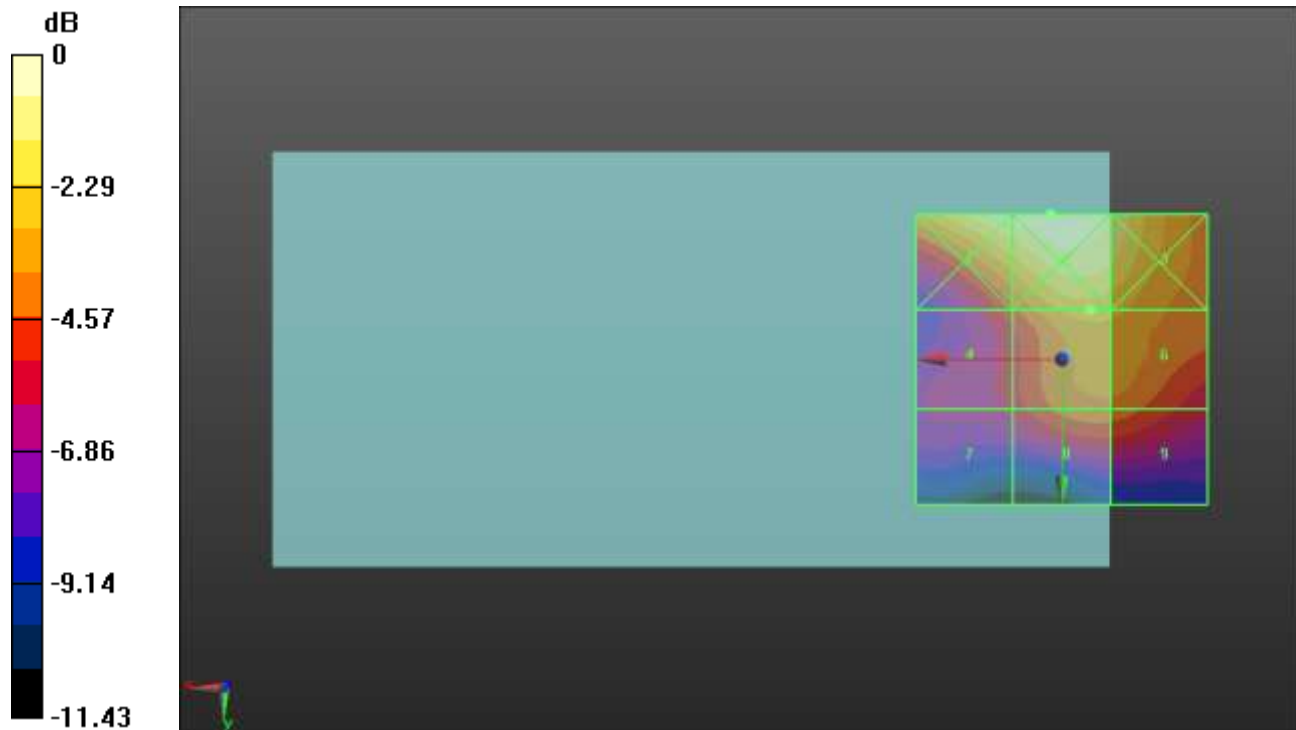
Applied MIF = -3.15 dB

RF audio interference level = 24.15 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 26.62 dBV/m	Grid 2 M4 26.81 dBV/m	Grid 3 M4 25.97 dBV/m
Grid 4 M4 22.09 dBV/m	Grid 5 M4 24.15 dBV/m	Grid 6 M4 23.99 dBV/m
Grid 7 M4 20.98 dBV/m	Grid 8 M4 22.83 dBV/m	Grid 9 M4 22.74 dBV/m



0 dB = 21.90 V/m = 26.81 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); Calibrated: 3/22/2019;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1540; Calibrated: 2/18/2019
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.8 (7);SEMCAD X Version 14.6.10 (7164)

802.11a E-Field measurement/IEEE 802.11a_OFDM 54 Mbps_ch 48/Hearing Aid Compatibility Test (101x101x1):

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

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 22.36 V/m; Power Drift = -0.30 dB

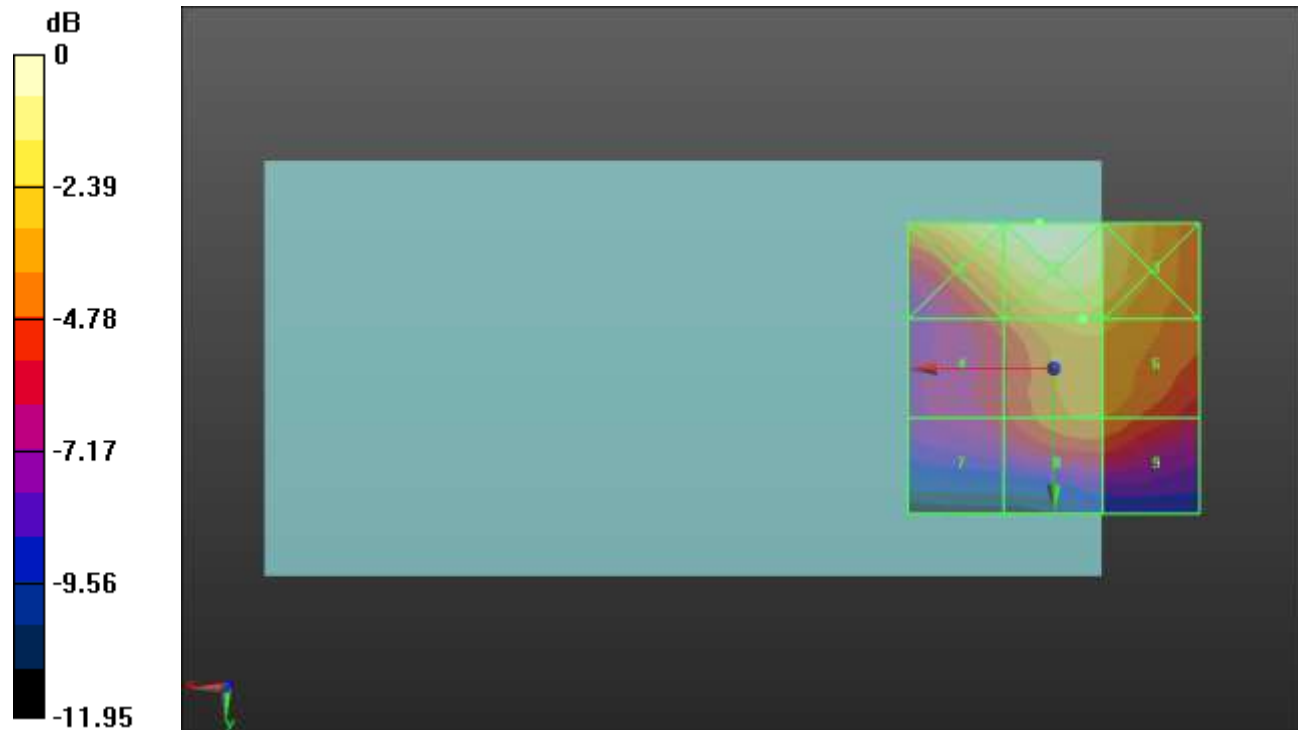
Applied MIF = -3.15 dB

RF audio interference level = 24.81 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 27.26 dBV/m	Grid 2 M4 27.44 dBV/m	Grid 3 M4 26.42 dBV/m
Grid 4 M4 22.78 dBV/m	Grid 5 M4 24.81 dBV/m	Grid 6 M4 24.63 dBV/m
Grid 7 M4 21.62 dBV/m	Grid 8 M4 23.55 dBV/m	Grid 9 M4 23.46 dBV/m



0 dB = 23.55 V/m = 27.44 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); Calibrated: 3/22/2019;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1540; Calibrated: 2/18/2019
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

802.11a 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 = 24.67 V/m; Power Drift = -0.83 dB

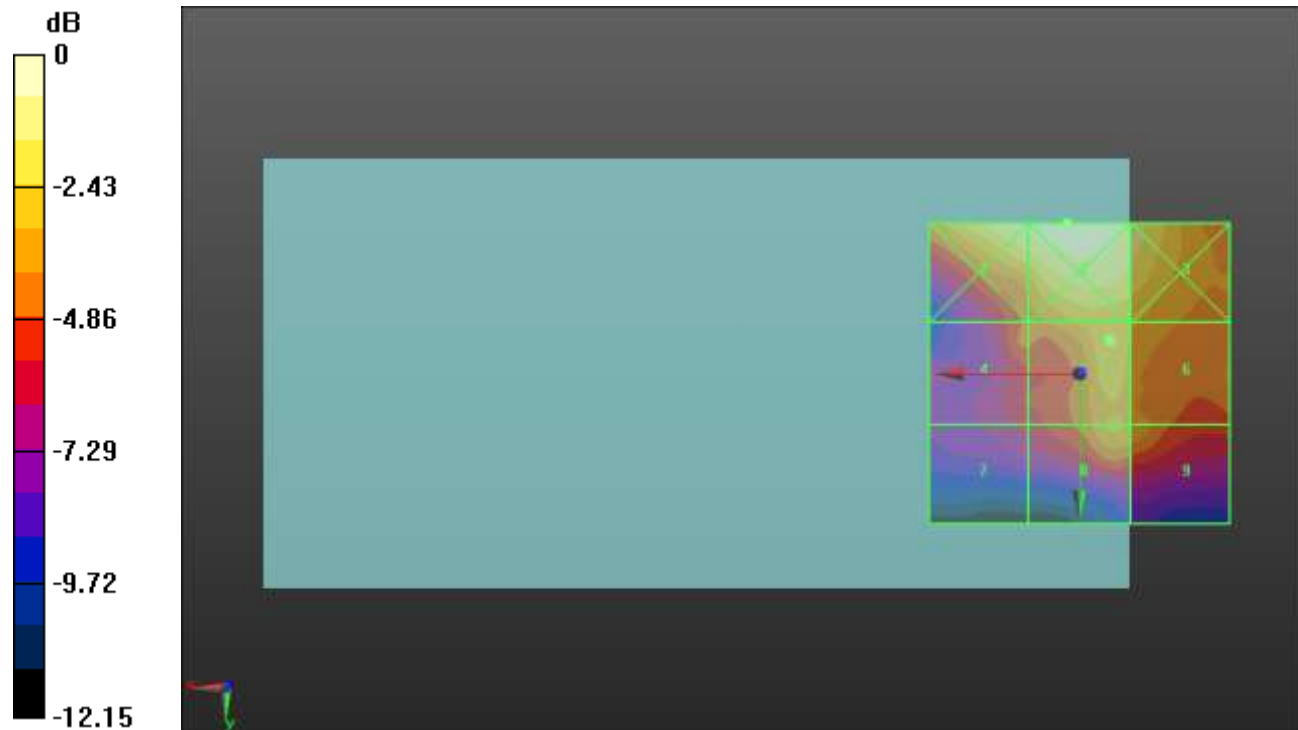
Applied MIF = -3.15 dB

RF audio interference level = 25.88 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 27.91 dBV/m	Grid 2 M4 28.19 dBV/m	Grid 3 M4 27.15 dBV/m
Grid 4 M4 23.64 dBV/m	Grid 5 M4 25.88 dBV/m	Grid 6 M4 25.15 dBV/m
Grid 7 M4 22.11 dBV/m	Grid 8 M4 25.11 dBV/m	Grid 9 M4 24.78 dBV/m



0 dB = 25.69 V/m = 28.20 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); Calibrated: 3/22/2019;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1540; Calibrated: 2/18/2019
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.8 (7);SEMCAD X Version 14.6.10 (7164)

802.11a 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 = 28.33 V/m; Power Drift = -1.46 dB

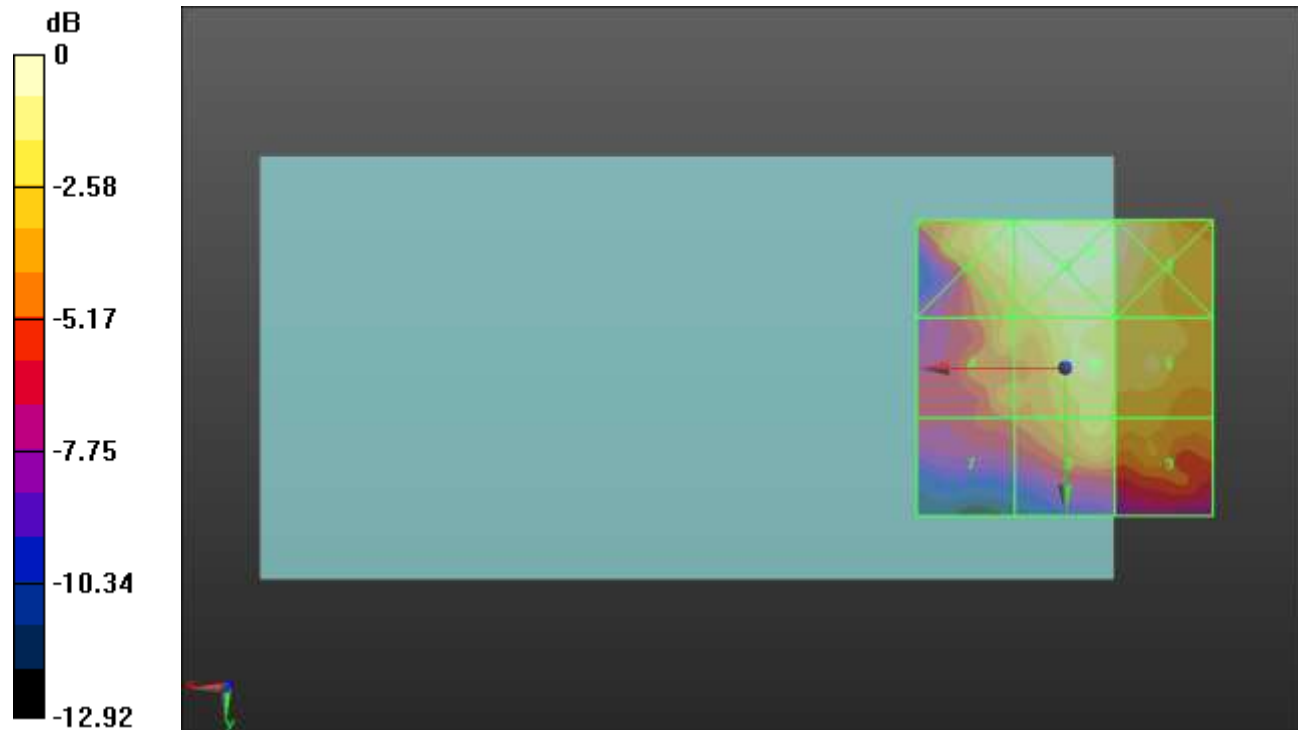
Applied MIF = -3.15 dB

RF audio interference level = 26.21 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 26.98 dBV/m	Grid 2 M4 27.48 dBV/m	Grid 3 M4 27.03 dBV/m
Grid 4 M4 24.61 dBV/m	Grid 5 M4 26.21 dBV/m	Grid 6 M4 25.93 dBV/m
Grid 7 M4 22.58 dBV/m	Grid 8 M4 25.43 dBV/m	Grid 9 M4 24.69 dBV/m



0 dB = 23.66 V/m = 27.48 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); Calibrated: 3/22/2019;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1540; Calibrated: 2/18/2019
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.8 (7);SEMCAD X Version 14.6.10 (7164)

802.11a 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 = 25.64 V/m; Power Drift = -0.01 dB

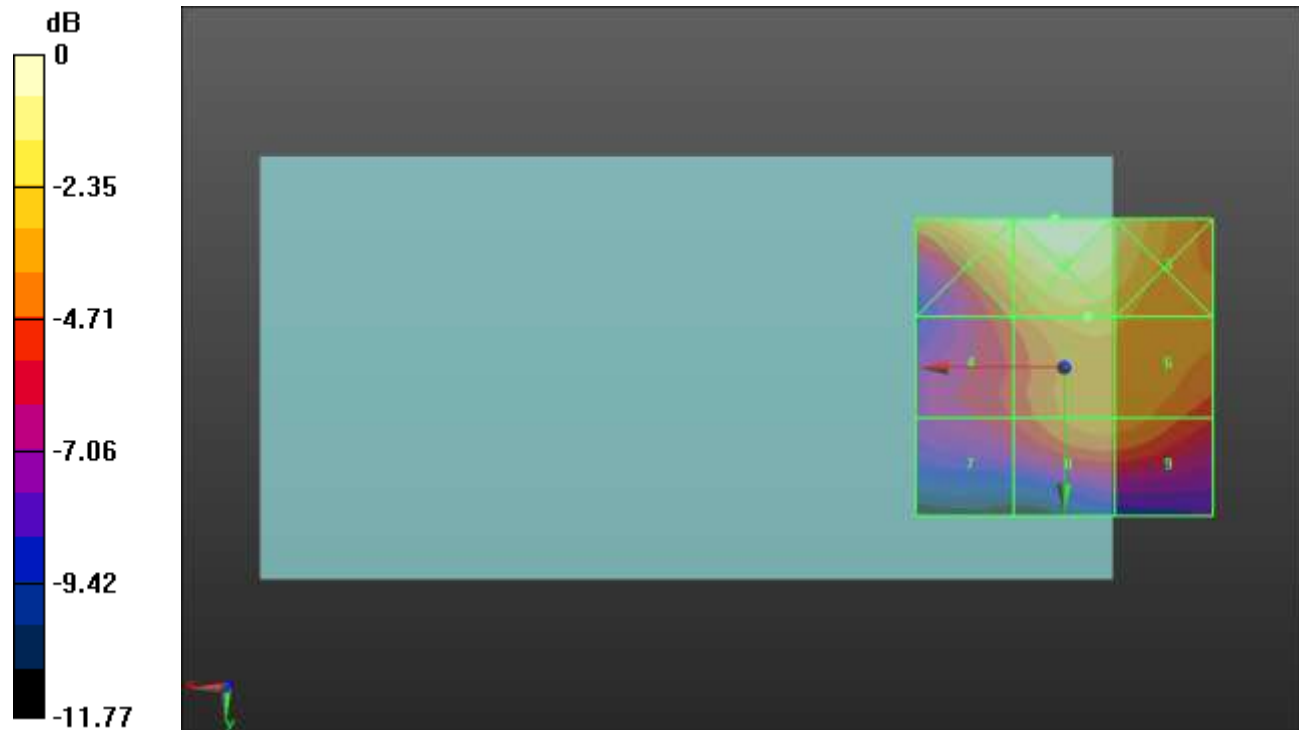
Applied MIF = -3.15 dB

RF audio interference level = 26.07 dBV/m

Emission category: **M4**

MIF scaled E-field

Grid 1 M4 28.5 dBV/m	Grid 2 M4 28.74 dBV/m	Grid 3 M4 27.83 dBV/m
Grid 4 M4 24.33 dBV/m	Grid 5 M4 26.07 dBV/m	Grid 6 M4 25.82 dBV/m
Grid 7 M4 23.35 dBV/m	Grid 8 M4 25.37 dBV/m	Grid 9 M4 25.33 dBV/m



0 dB = 27.35 V/m = 28.74 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); Calibrated: 3/22/2019;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1540; Calibrated: 2/18/2019
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

802.11a 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 = 28.84 V/m; Power Drift = -0.10 dB

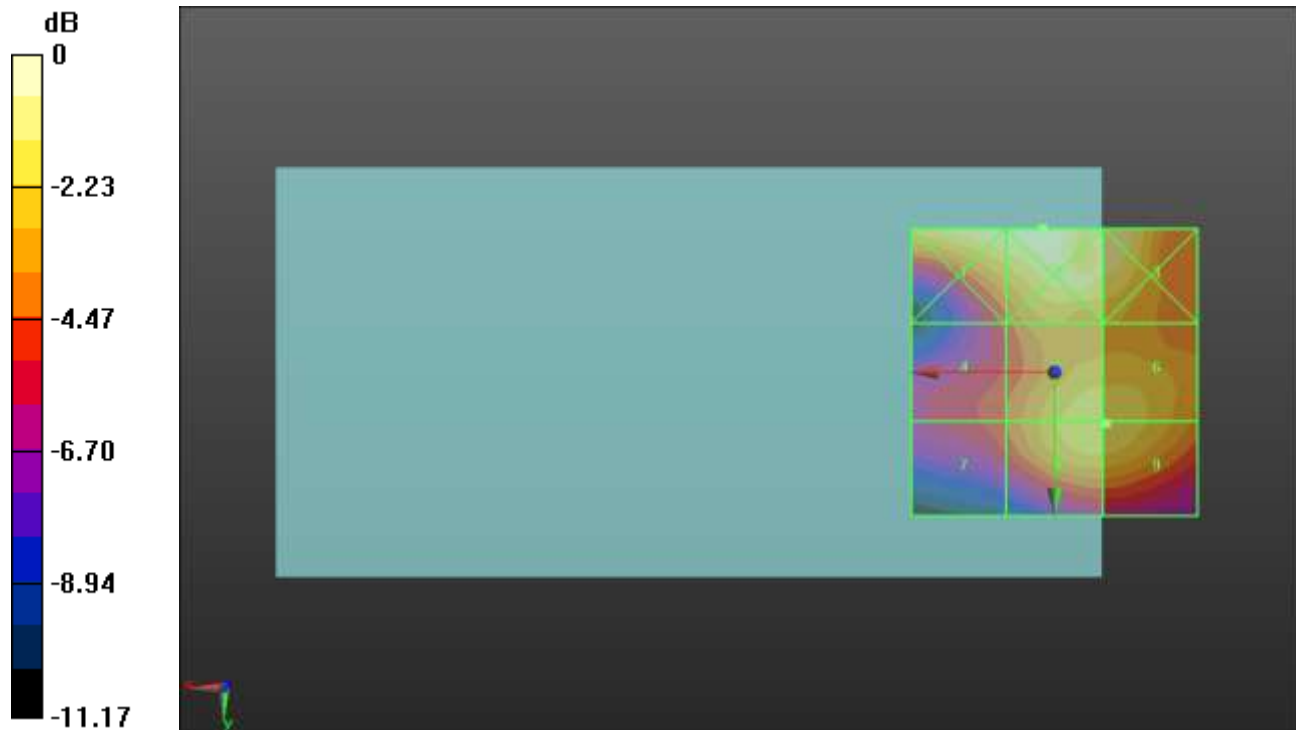
Applied MIF = -3.15 dB

RF audio interference level = 27.52 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 28.82 dBV/m	Grid 2 M4 29.08 dBV/m	Grid 3 M4 28.39 dBV/m
Grid 4 M4 24.67 dBV/m	Grid 5 M4 27.52 dBV/m	Grid 6 M4 27.52 dBV/m
Grid 7 M4 24.67 dBV/m	Grid 8 M4 27.52 dBV/m	Grid 9 M4 27.52 dBV/m



0 dB = 28.44 V/m = 29.08 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); Calibrated: 3/22/2019;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1540; Calibrated: 2/18/2019
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

802.11a 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 = 27.66 V/m; Power Drift = -0.02 dB

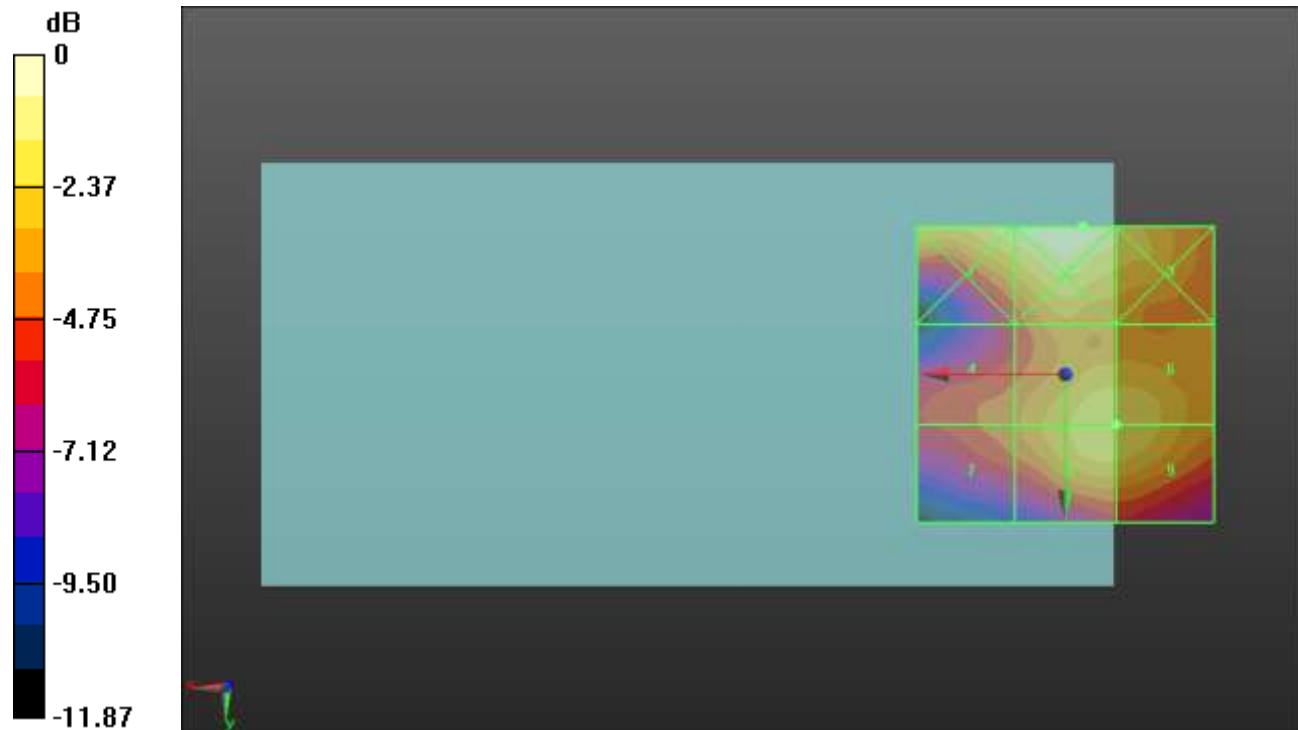
Applied MIF = -3.15 dB

RF audio interference level = 27.05 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 28.13 dBV/m	Grid 2 M4 28.7 dBV/m	Grid 3 M4 27.45 dBV/m
Grid 4 M4 24.64 dBV/m	Grid 5 M4 27.05 dBV/m	Grid 6 M4 27.05 dBV/m
Grid 7 M4 24.64 dBV/m	Grid 8 M4 27.05 dBV/m	Grid 9 M4 27.05 dBV/m



0 dB = 27.23 V/m = 28.70 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); Calibrated: 3/22/2019;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1540; Calibrated: 2/18/2019
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.8 (7);SEMCAD X Version 14.6.10 (7164)

802.11a 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 = 24.85 V/m; Power Drift = 0.01 dB

Applied MIF = -3.15 dB

RF audio interference level = 26.33 dBV/m

Emission category: **M4**

MIF scaled E-field

Grid 1 M4 26.79 dBV/m	Grid 2 M4 27.89 dBV/m	Grid 3 M4 27.45 dBV/m
Grid 4 M4 23.43 dBV/m	Grid 5 M4 26.29 dBV/m	Grid 6 M4 26.26 dBV/m
Grid 7 M4 23.44 dBV/m	Grid 8 M4 26.33 dBV/m	Grid 9 M4 26.29 dBV/m



0 dB = 24.81 V/m = 27.89 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); Calibrated: 3/22/2019;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1540; Calibrated: 2/18/2019
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

802.11a 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 = 23.71 V/m; Power Drift = 0.02 dB

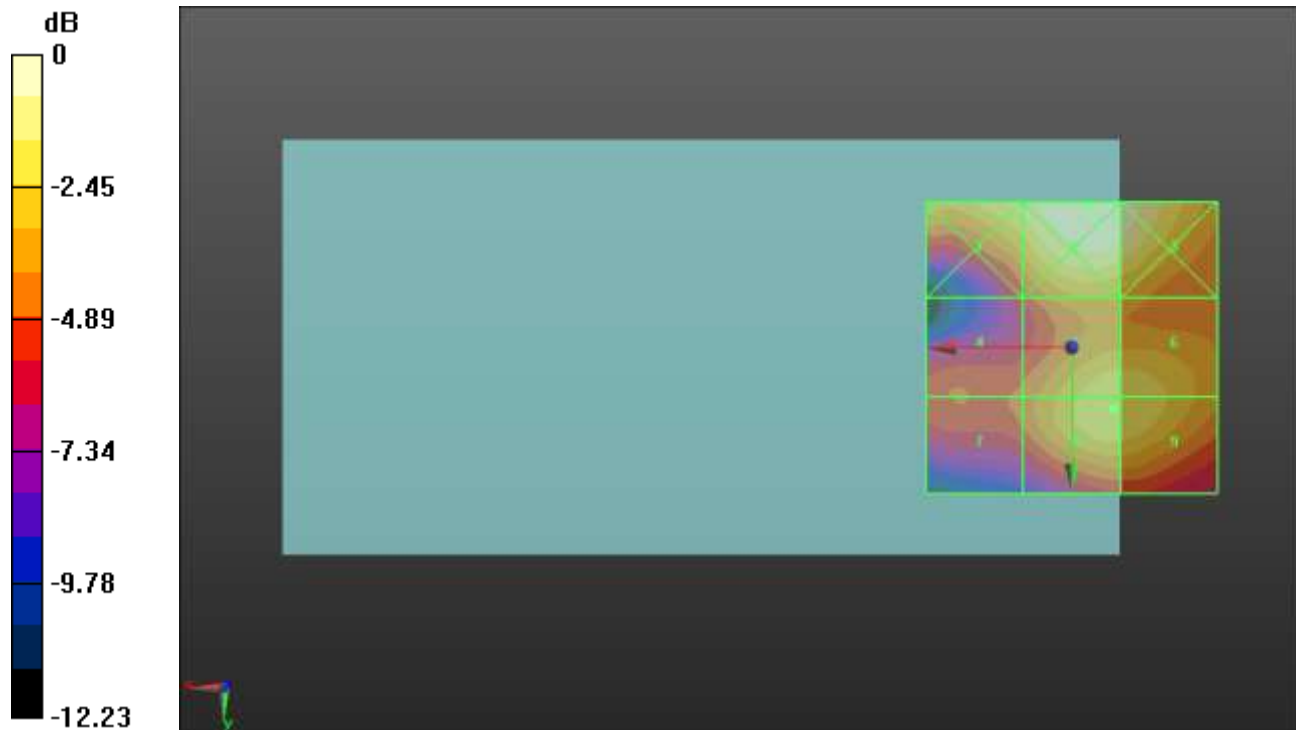
Applied MIF = -3.15 dB

RF audio interference level = 25.99 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 26.49 dBV/m	Grid 2 M4 27.63 dBV/m	Grid 3 M4 27.29 dBV/m
Grid 4 M4 23.05 dBV/m	Grid 5 M4 25.91 dBV/m	Grid 6 M4 25.9 dBV/m
Grid 7 M4 23.08 dBV/m	Grid 8 M4 25.99 dBV/m	Grid 9 M4 25.95 dBV/m



0 dB = 24.07 V/m = 27.63 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); Calibrated: 3/22/2019;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1540; Calibrated: 2/18/2019
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.8 (7);SEMCAD X Version 14.6.10 (7164)

802.11a 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 = 20.92 V/m; Power Drift = -0.07 dB

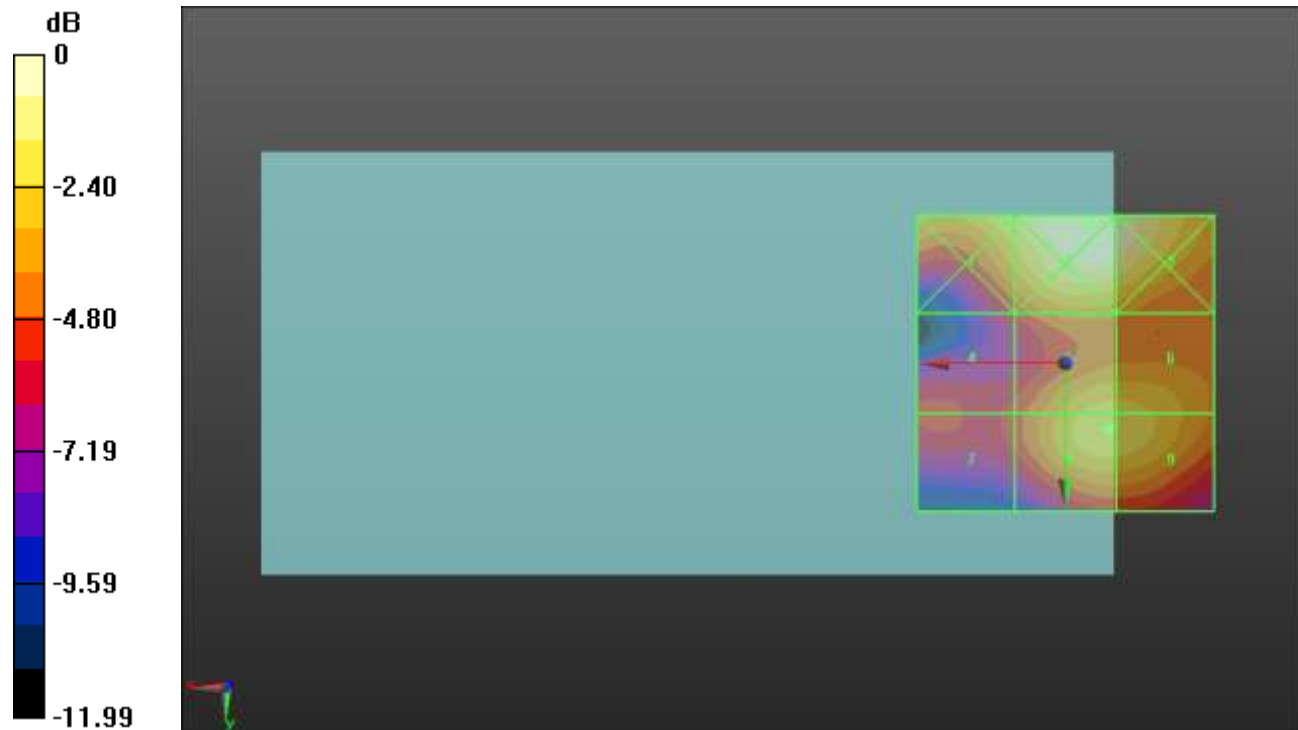
Applied MIF = -3.15 dB

RF audio interference level = 25.44 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 26 dBV/m	Grid 2 M4 27.23 dBV/m	Grid 3 M4 26.98 dBV/m
Grid 4 M4 22.01 dBV/m	Grid 5 M4 25.26 dBV/m	Grid 6 M4 25.26 dBV/m
Grid 7 M4 22.08 dBV/m	Grid 8 M4 25.44 dBV/m	Grid 9 M4 25.41 dBV/m



0 dB = 22.99 V/m = 27.23 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); Calibrated: 3/22/2019;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1540; Calibrated: 2/18/2019
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

802.11a 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 = 17.83 V/m; Power Drift = -0.41 dB

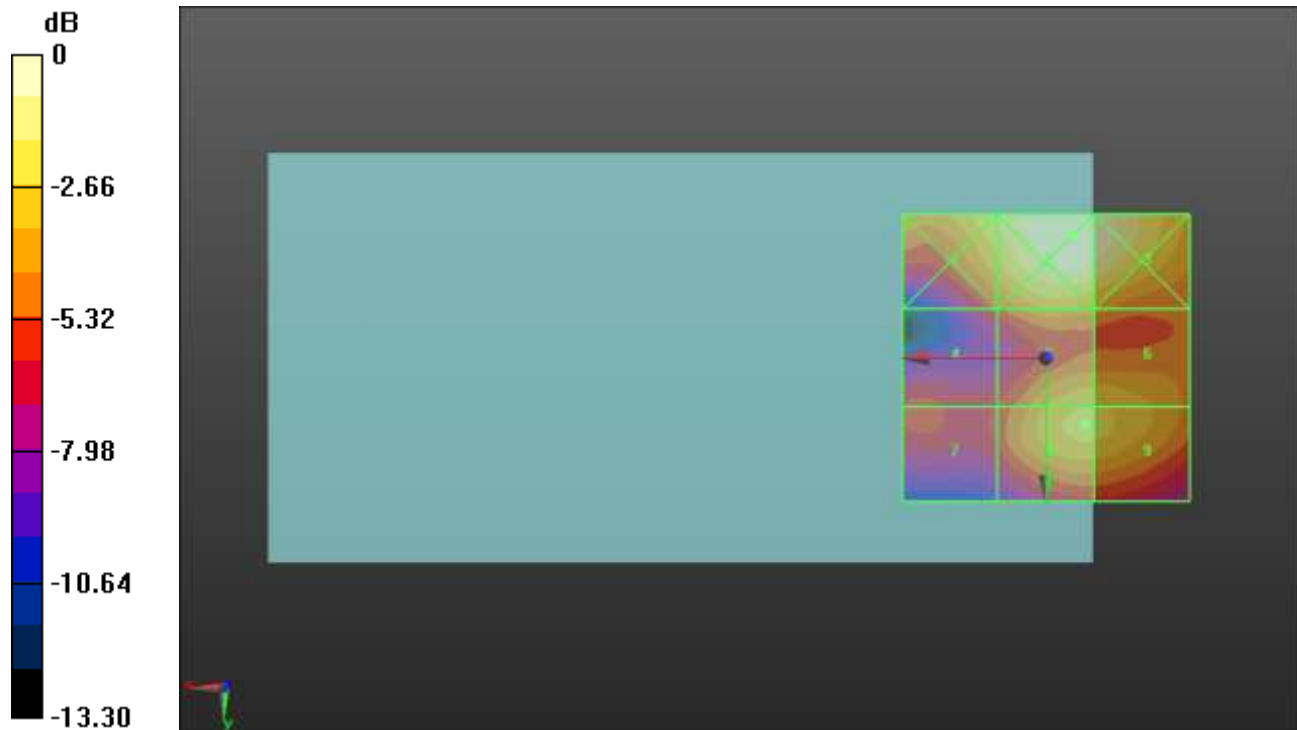
Applied MIF = -3.15 dB

RF audio interference level = 24.64 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 25.58 dBV/m	Grid 2 M4 27.02 dBV/m	Grid 3 M4 26.75 dBV/m
Grid 4 M4 21.37 dBV/m	Grid 5 M4 24.38 dBV/m	Grid 6 M4 24.37 dBV/m
Grid 7 M4 21.19 dBV/m	Grid 8 M4 24.64 dBV/m	Grid 9 M4 24.61 dBV/m



0 dB = 22.45 V/m = 27.02 dBV/m