

HAC-RF Emission

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

Phantom section: RF Section

DASY5 Configuration:

- Probe: EF3DV3 - SN4041; ConvF(1, 1, 1) @ 824.2 MHz; Calibrated: 3/22/2019
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1352; Calibrated: 11/6/2018
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7450)

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

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

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 16.41 V/m; Power Drift = 0.15 dB

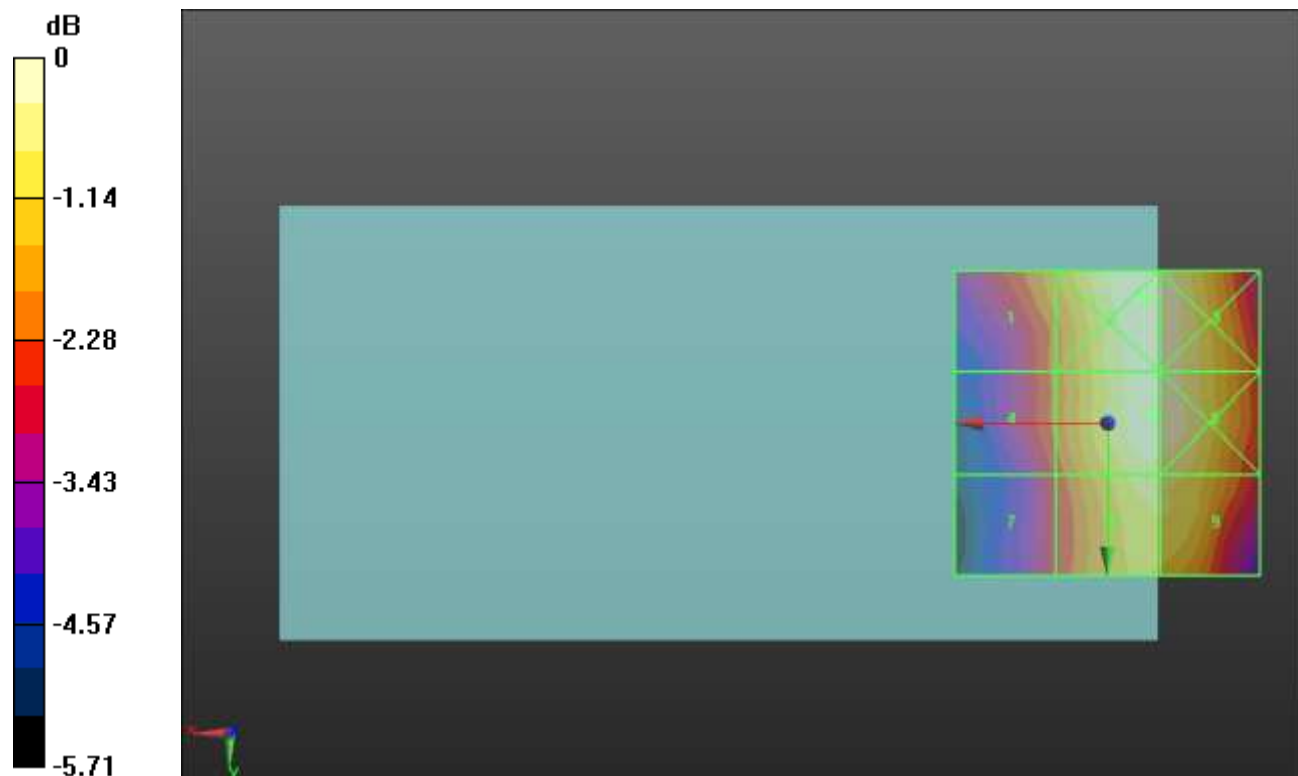
Applied MIF = 3.63 dB

RF audio interference level = 25.66 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 24.18 dBV/m	Grid 2 M4 25.77 dBV/m	Grid 3 M4 25.72 dBV/m
Grid 4 M4 23.68 dBV/m	Grid 5 M4 25.66 dBV/m	Grid 6 M4 25.65 dBV/m
Grid 7 M4 23.2 dBV/m	Grid 8 M4 25.21 dBV/m	Grid 9 M4 25.18 dBV/m



0 dB = 19.42 V/m = 25.76 dBV/m

HAC-RF Emission

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

Phantom section: RF Section

DASY5 Configuration:

- Probe: EF3DV3 - SN4041; ConvF(1, 1, 1) @ 836.6 MHz; Calibrated: 3/22/2019
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1352; Calibrated: 11/6/2018
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7450)

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

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

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 16.58 V/m; Power Drift = 0.01 dB

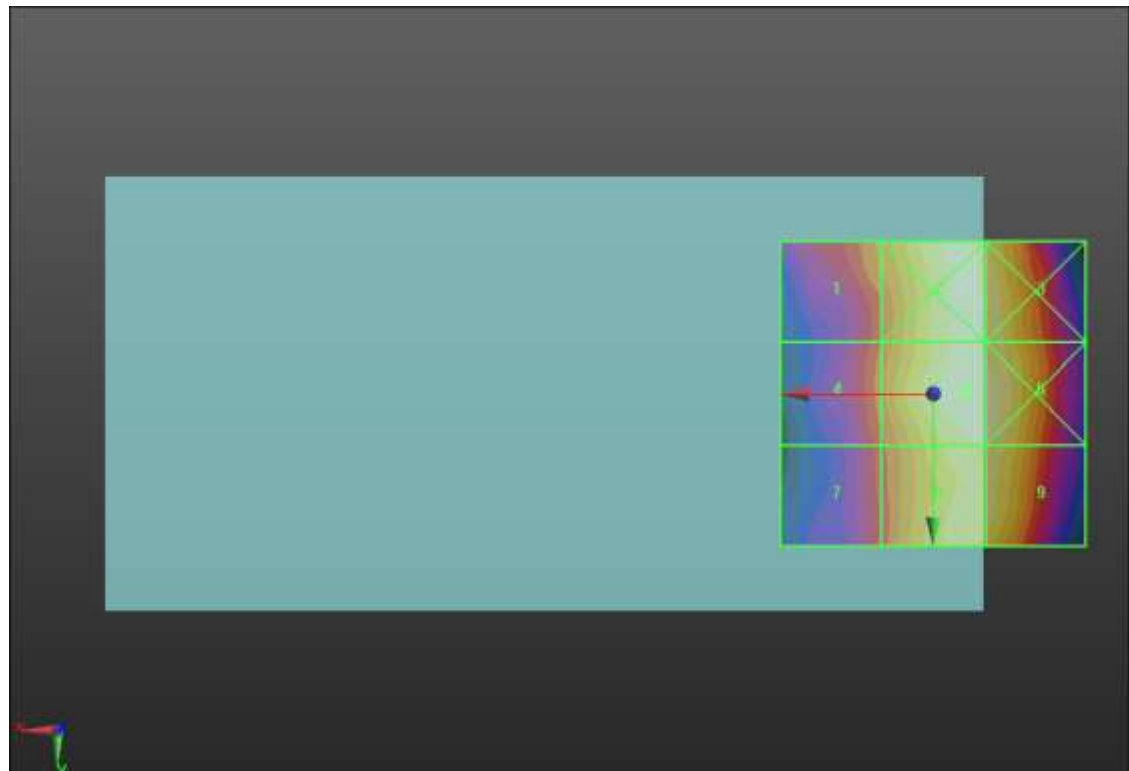
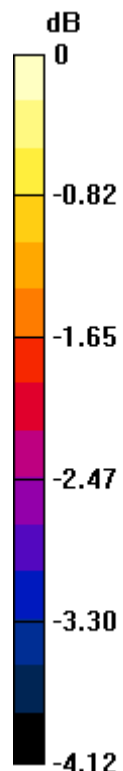
Applied MIF = 3.63 dB

RF audio interference level = 25.51 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 24.24 dBV/m	Grid 2 M4 25.43 dBV/m	Grid 3 M4 25.27 dBV/m
Grid 4 M4 24.07 dBV/m	Grid 5 M4 25.51 dBV/m	Grid 6 M4 25.4 dBV/m
Grid 7 M4 23.8 dBV/m	Grid 8 M4 25.24 dBV/m	Grid 9 M4 25.23 dBV/m



0 dB = 18.87 V/m = 25.52 dBV/m

HAC-RF Emission

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

Phantom section: RF Section

DASY5 Configuration:

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

GSM850 E-Field measurement/Voice_ch 251/Hearing Aid Compatibility Test

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

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 17.32 V/m; Power Drift = 0.05 dB

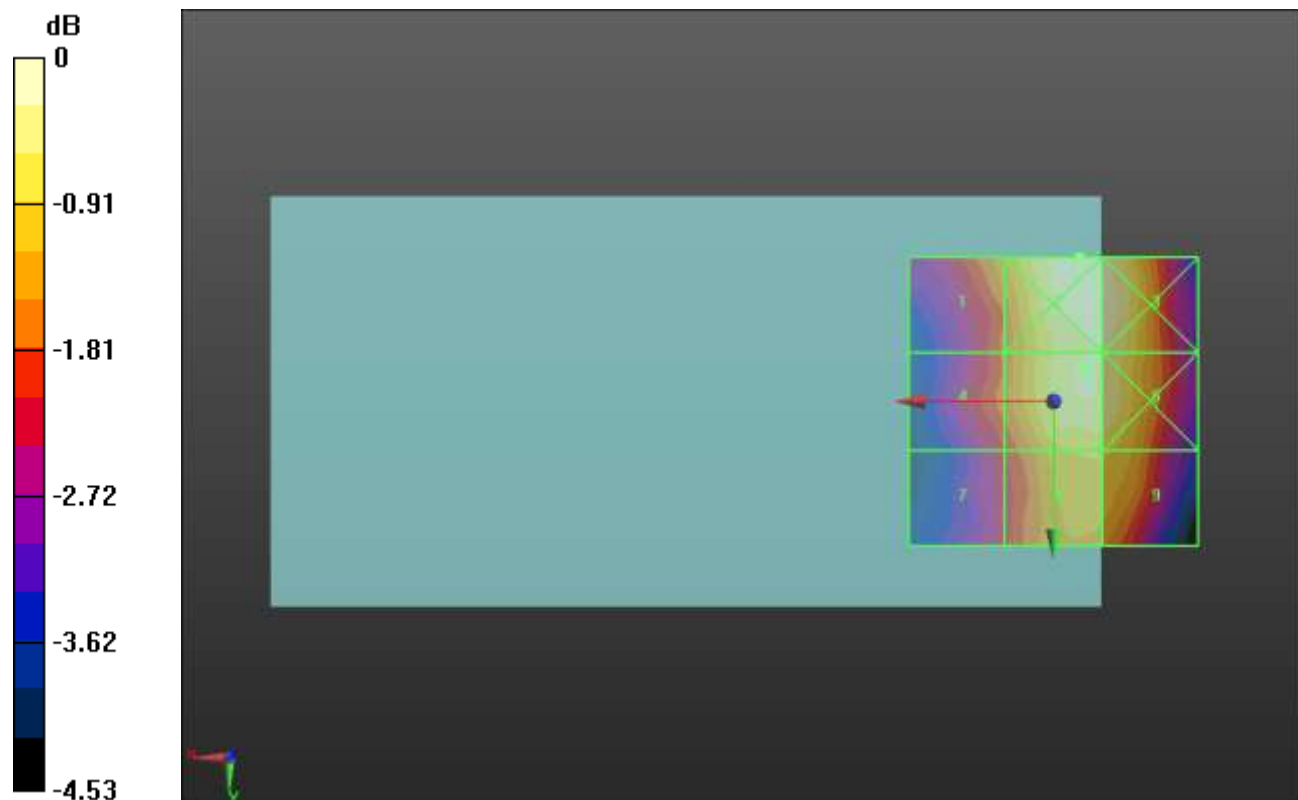
Applied MIF = 3.63 dB

RF audio interference level = 25.59 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 24.63 dBV/m	Grid 2 M4 25.85 dBV/m	Grid 3 M4 25.73 dBV/m
Grid 4 M4 24.24 dBV/m	Grid 5 M4 25.59 dBV/m	Grid 6 M4 25.57 dBV/m
Grid 7 M4 23.75 dBV/m	Grid 8 M4 25.03 dBV/m	Grid 9 M4 25.02 dBV/m



0 dB = 19.60 V/m = 25.85 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 = 4.654 V/m; Power Drift = 0.17 dB

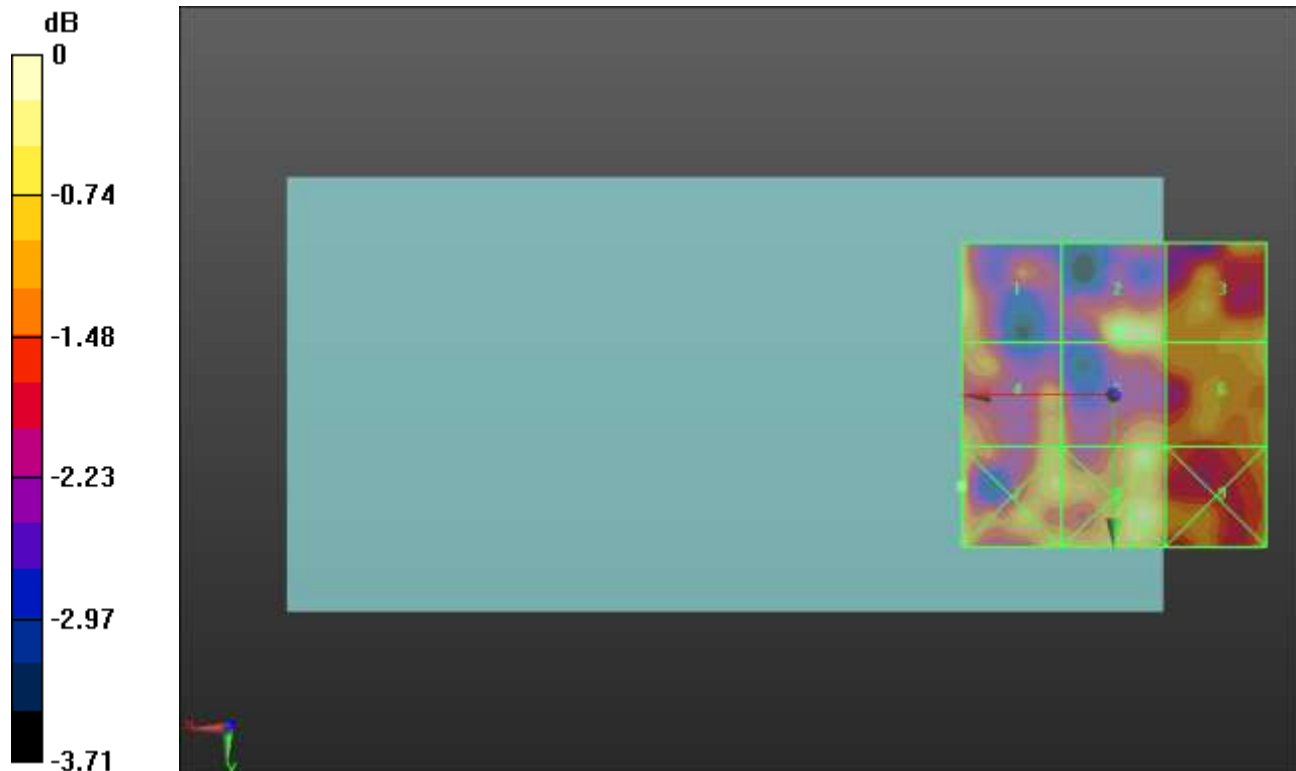
Applied MIF = 3.63 dB

RF audio interference level = 14.80 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 14.74 dBV/m	Grid 2 M4 14.8 dBV/m	Grid 3 M4 14.5 dBV/m
Grid 4 M4 14.29 dBV/m	Grid 5 M4 14.37 dBV/m	Grid 6 M4 14.51 dBV/m
Grid 7 M4 14.99 dBV/m	Grid 8 M4 14.61 dBV/m	Grid 9 M4 14.46 dBV/m



0 dB = 5.614 V/m = 14.99 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 = 4.487 V/m; Power Drift = -0.09 dB

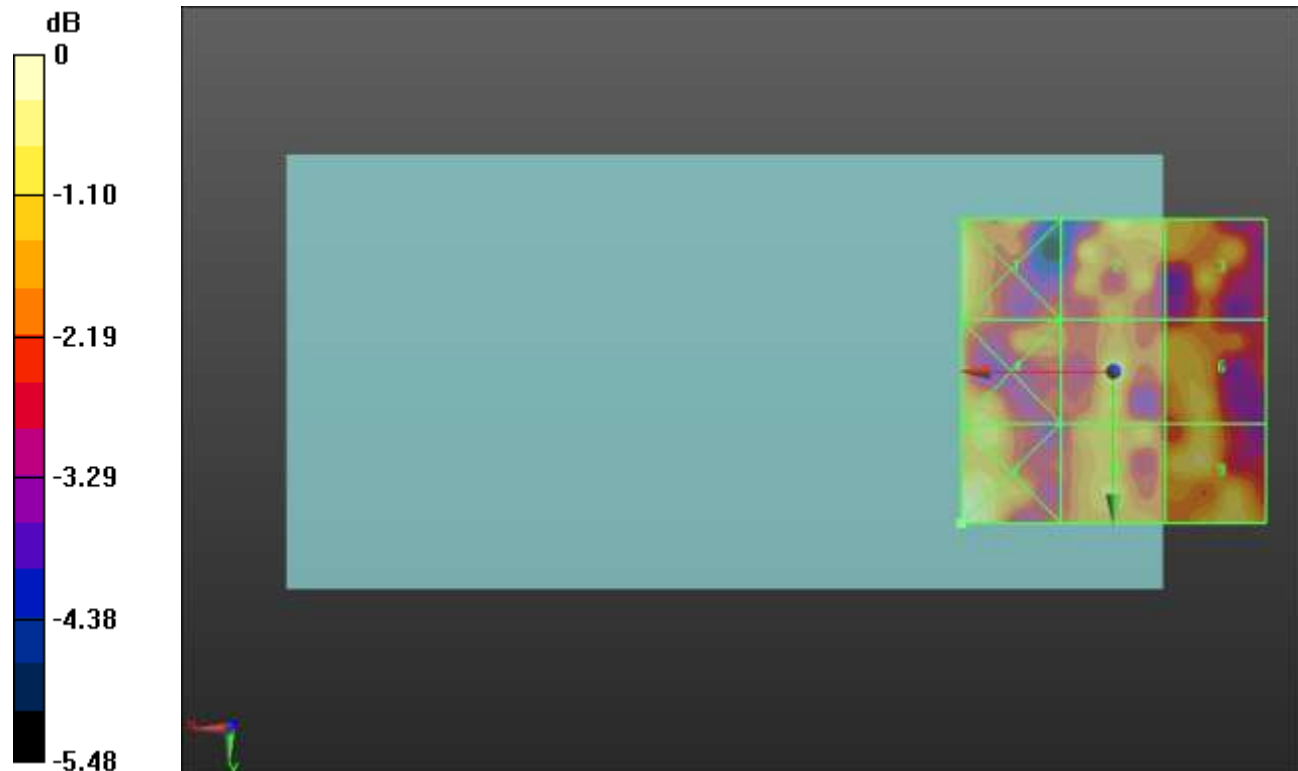
Applied MIF = 3.63 dB

RF audio interference level = 15.12 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 15.35 dBV/m	Grid 2 M4 15.01 dBV/m	Grid 3 M4 14.7 dBV/m
Grid 4 M4 14.71 dBV/m	Grid 5 M4 15.12 dBV/m	Grid 6 M4 14.79 dBV/m
Grid 7 M4 15.59 dBV/m	Grid 8 M4 14.63 dBV/m	Grid 9 M4 14.96 dBV/m



0 dB = 6.016 V/m = 15.59 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 = 4.661 V/m; Power Drift = -0.20 dB

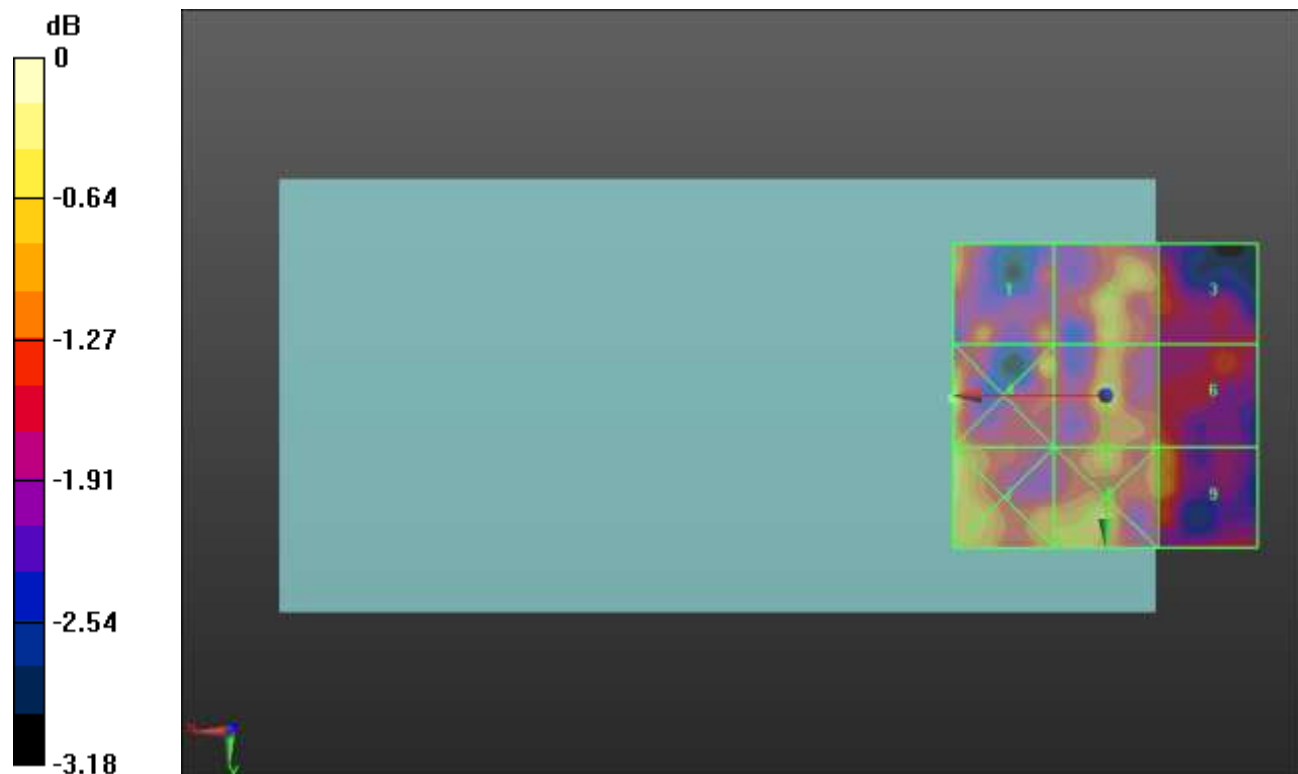
Applied MIF = 3.63 dB

RF audio interference level = 15.77 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 15.4 dBV/m	Grid 2 M4 15.65 dBV/m	Grid 3 M4 15 dBV/m
Grid 4 M4 16.28 dBV/m	Grid 5 M4 15.77 dBV/m	Grid 6 M4 15.2 dBV/m
Grid 7 M4 15.98 dBV/m	Grid 8 M4 15.73 dBV/m	Grid 9 M4 15.38 dBV/m



0 dB = 6.518 V/m = 16.28 dBV/m

HAC-RF Emission

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

Phantom section: RF Section

DASY5 Configuration:

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

CDMA BC0 E-Field measurement/RC1_SO3_Ch 1013/Hearing Aid Compatibility Test (101x101x1):

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

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 22.43 V/m; Power Drift = 0.75 dB

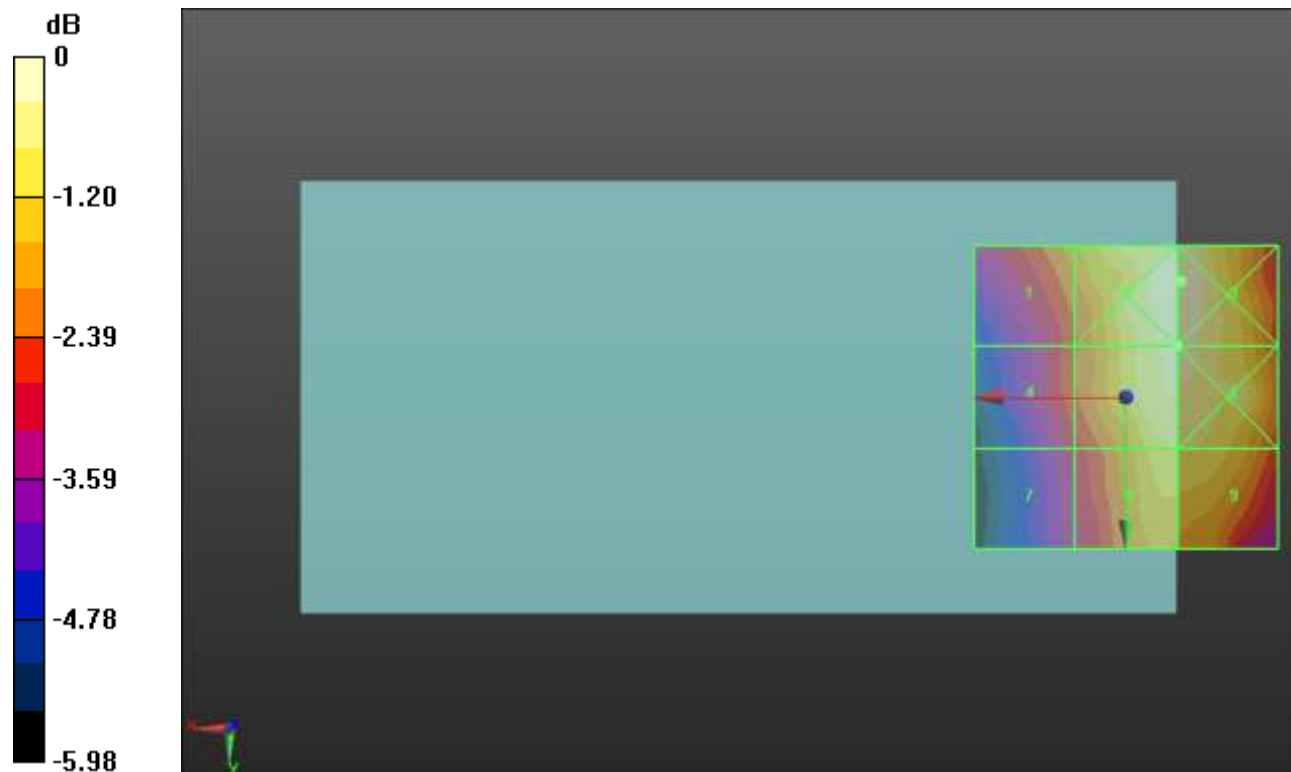
Applied MIF = 3.26 dB

RF audio interference level = 27.94 dBV/m

Emission category: **M4**

MIF scaled E-field

Grid 1 M4 26.49 dBV/m	Grid 2 M4 28.22 dBV/m	Grid 3 M4 28.23 dBV/m
Grid 4 M4 25.82 dBV/m	Grid 5 M4 27.94 dBV/m	Grid 6 M4 27.94 dBV/m
Grid 7 M4 25.23 dBV/m	Grid 8 M4 27.45 dBV/m	Grid 9 M4 27.45 dBV/m



0 dB = 25.78 V/m = 28.23 dBV/m

HAC-RF Emission

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

Phantom section: RF Section

DASY5 Configuration:

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

CDMA BC0 E-Field measurement/RC1_SO3_Ch 384/Hearing Aid Compatibility Test (101x101x1):

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

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 20.39 V/m; Power Drift = 0.05 dB

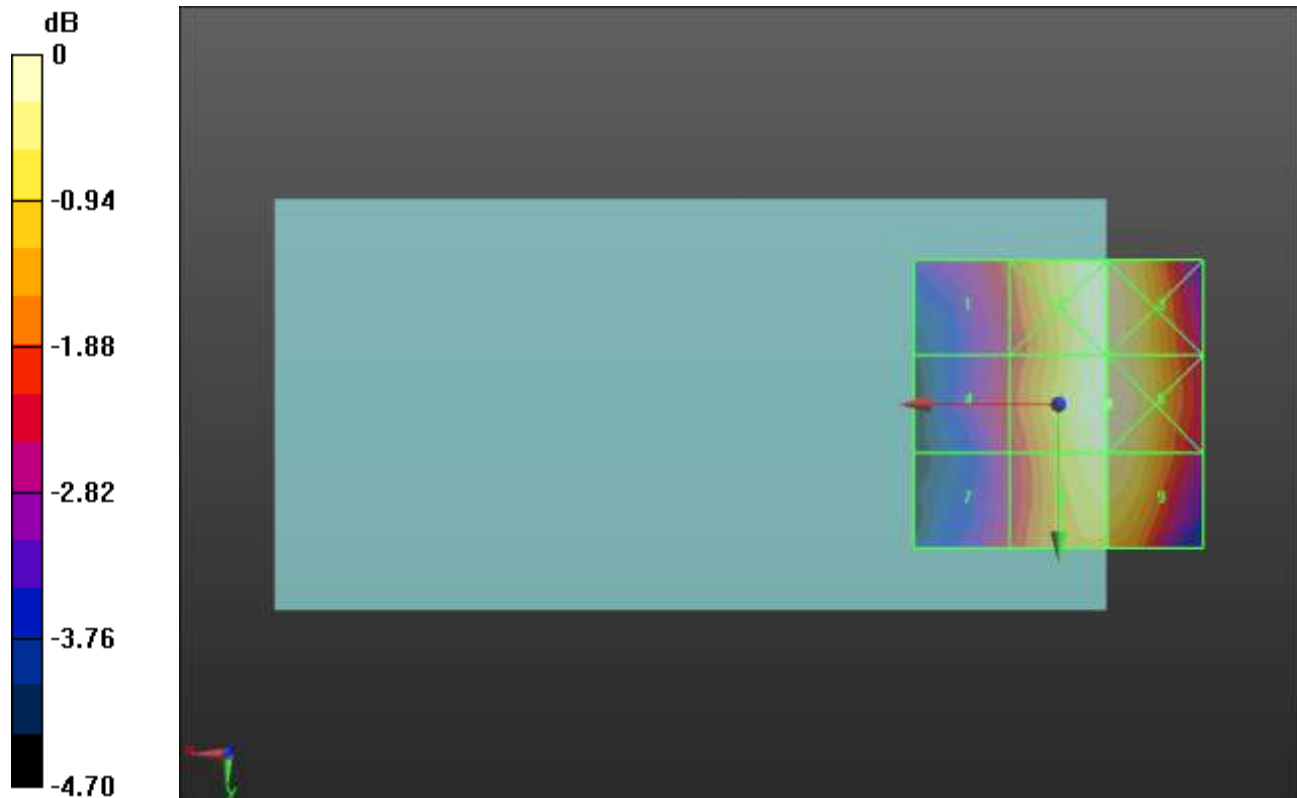
Applied MIF = 3.26 dB

RF audio interference level = 27.32 dBV/m

Emission category: **M4**

MIF scaled E-field

Grid 1 M4 25.4 dBV/m	Grid 2 M4 27.22 dBV/m	Grid 3 M4 27.21 dBV/m
Grid 4 M4 25.24 dBV/m	Grid 5 M4 27.32 dBV/m	Grid 6 M4 27.32 dBV/m
Grid 7 M4 25.09 dBV/m	Grid 8 M4 27.05 dBV/m	Grid 9 M4 27.06 dBV/m



0 dB = 23.22 V/m = 27.32 dBV/m

HAC-RF Emission

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

Phantom section: RF Section

DASY5 Configuration:

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

CDMA BC0 E-Field measurement/RC1_SO3_Ch 777/Hearing Aid Compatibility Test (101x101x1):

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

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 22.65 V/m; Power Drift = -0.04 dB

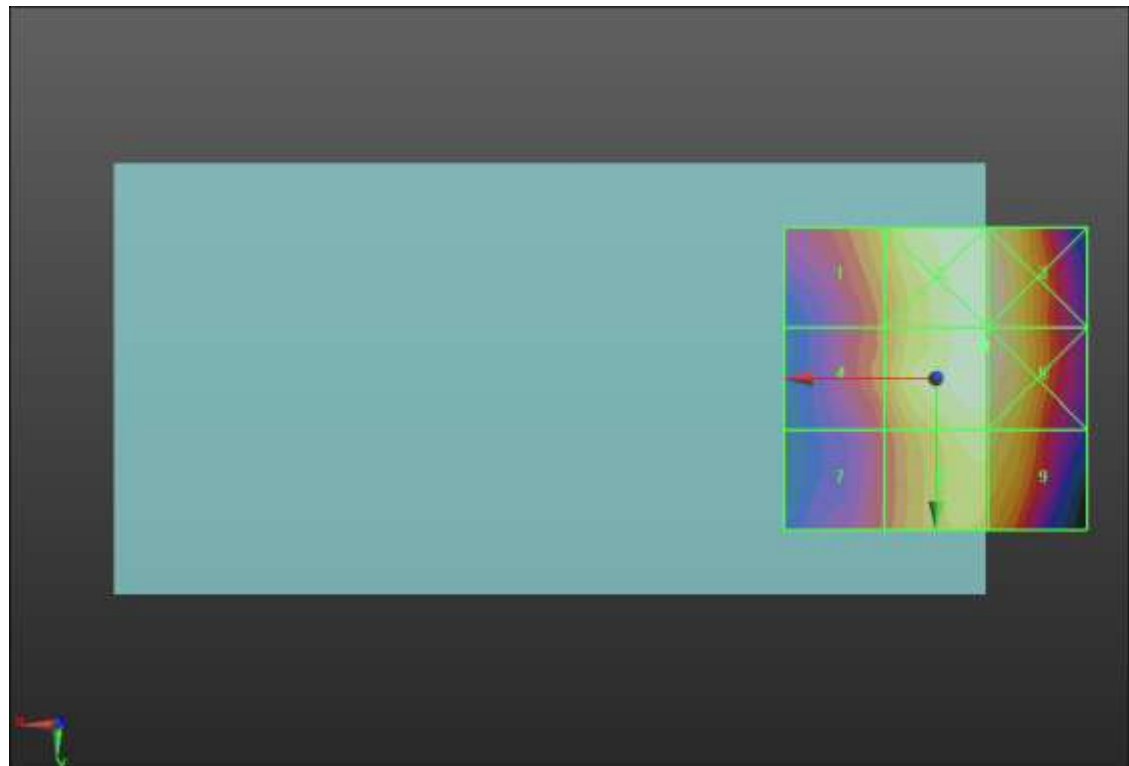
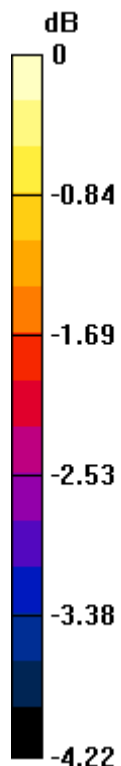
Applied MIF = 3.26 dB

RF audio interference level = 27.62 dBV/m

Emission category: **M4**

MIF scaled E-field

Grid 1 M4 26.64 dBV/m	Grid 2 M4 27.61 dBV/m	Grid 3 M4 27.61 dBV/m
Grid 4 M4 26.28 dBV/m	Grid 5 M4 27.62 dBV/m	Grid 6 M4 27.62 dBV/m
Grid 7 M4 25.77 dBV/m	Grid 8 M4 27.22 dBV/m	Grid 9 M4 27.21 dBV/m



0 dB = 24.05 V/m = 27.62 dBV/m

HAC-RF Emission

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

Phantom section: RF Section

DASY5 Configuration:

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

CDMA BC1 E-Field measurement/RC1_SO3_Ch 25/Hearing Aid Compatibility Test (101x101x1):

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

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 12.02 V/m; Power Drift = 0.21 dB

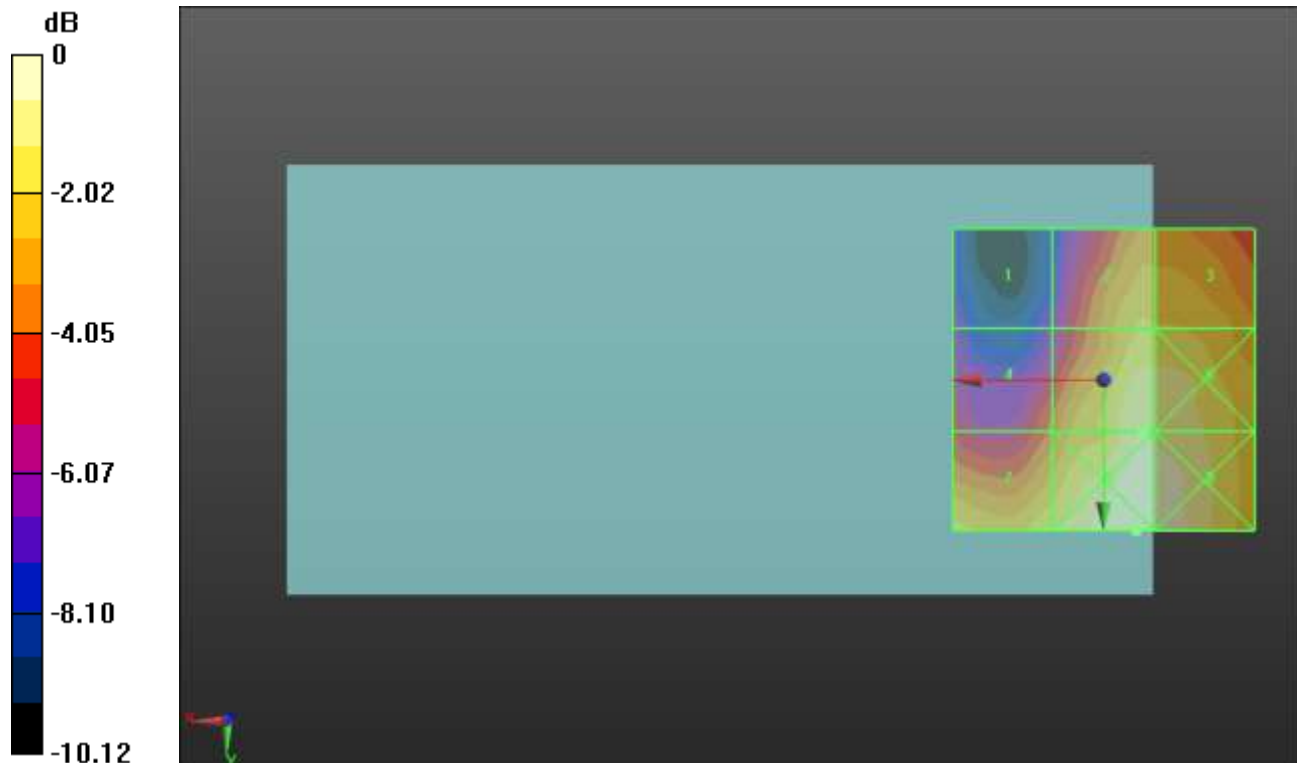
Applied MIF = 3.26 dB

RF audio interference level = 24.02 dBV/m

Emission category: **M4**

MIF scaled E-field

Grid 1 M4 18.62 dBV/m	Grid 2 M4 22.83 dBV/m	Grid 3 M4 22.79 dBV/m
Grid 4 M4 21.01 dBV/m	Grid 5 M4 24.02 dBV/m	Grid 6 M4 23.94 dBV/m
Grid 7 M4 23.52 dBV/m	Grid 8 M4 24.73 dBV/m	Grid 9 M4 24.58 dBV/m



0 dB = 17.24 V/m = 24.73 dBV/m

HAC-RF Emission

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

Phantom section: RF Section

DASY5 Configuration:

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

CDMA BC1 E-Field measurement/RC1_SO3_Ch 600/Hearing Aid Compatibility Test (101x101x1):

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

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 12.87 V/m; Power Drift = 0.17 dB

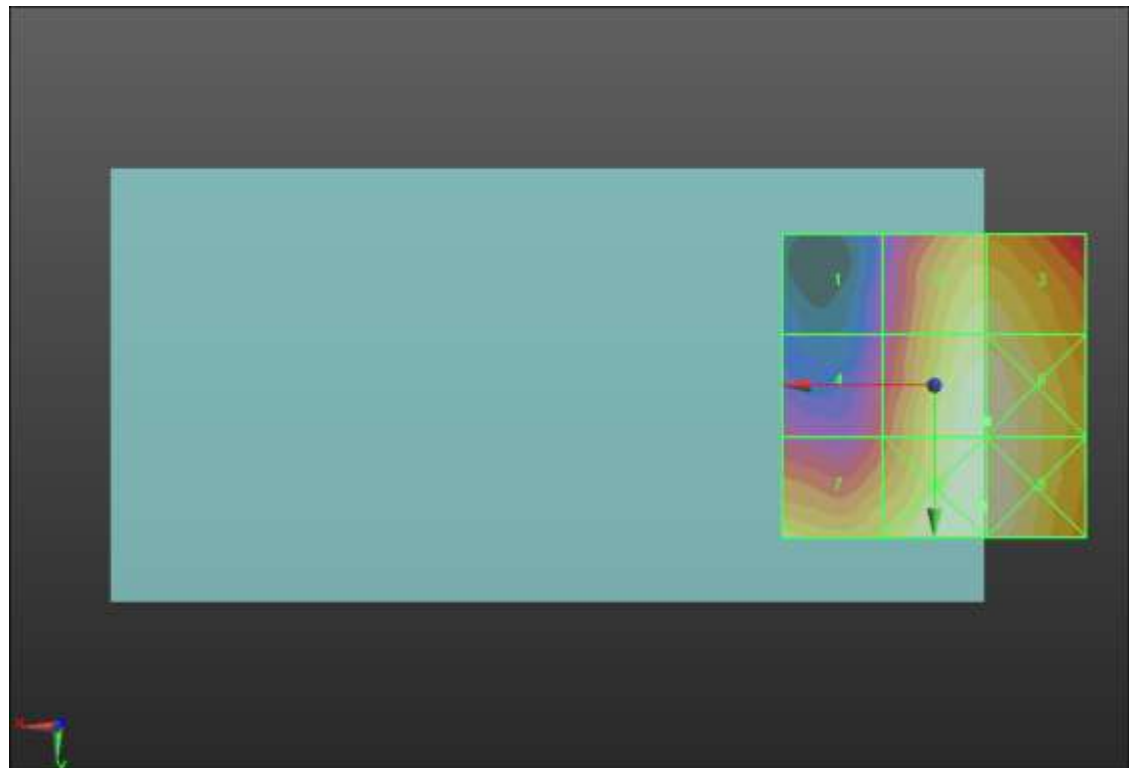
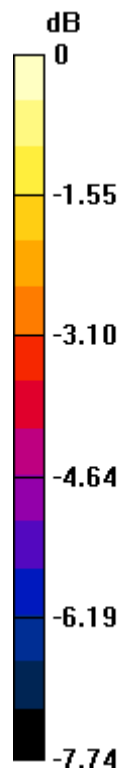
Applied MIF = 3.26 dB

RF audio interference level = 24.45 dBV/m

Emission category: **M4**

MIF scaled E-field

Grid 1 M4 20.02 dBV/m	Grid 2 M4 23.95 dBV/m	Grid 3 M4 23.95 dBV/m
Grid 4 M4 21.22 dBV/m	Grid 5 M4 24.45 dBV/m	Grid 6 M4 24.46 dBV/m
Grid 7 M4 23.42 dBV/m	Grid 8 M4 24.63 dBV/m	Grid 9 M4 24.63 dBV/m



0 dB = 17.04 V/m = 24.63 dBV/m

HAC-RF Emission

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

Phantom section: RF Section

DASY5 Configuration:

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

CDMA BC1 E-Field measurement/RC1_SO3_Ch 1175/Hearing Aid Compatibility Test (101x101x1):

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

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 12.08 V/m; Power Drift = 0.41 dB

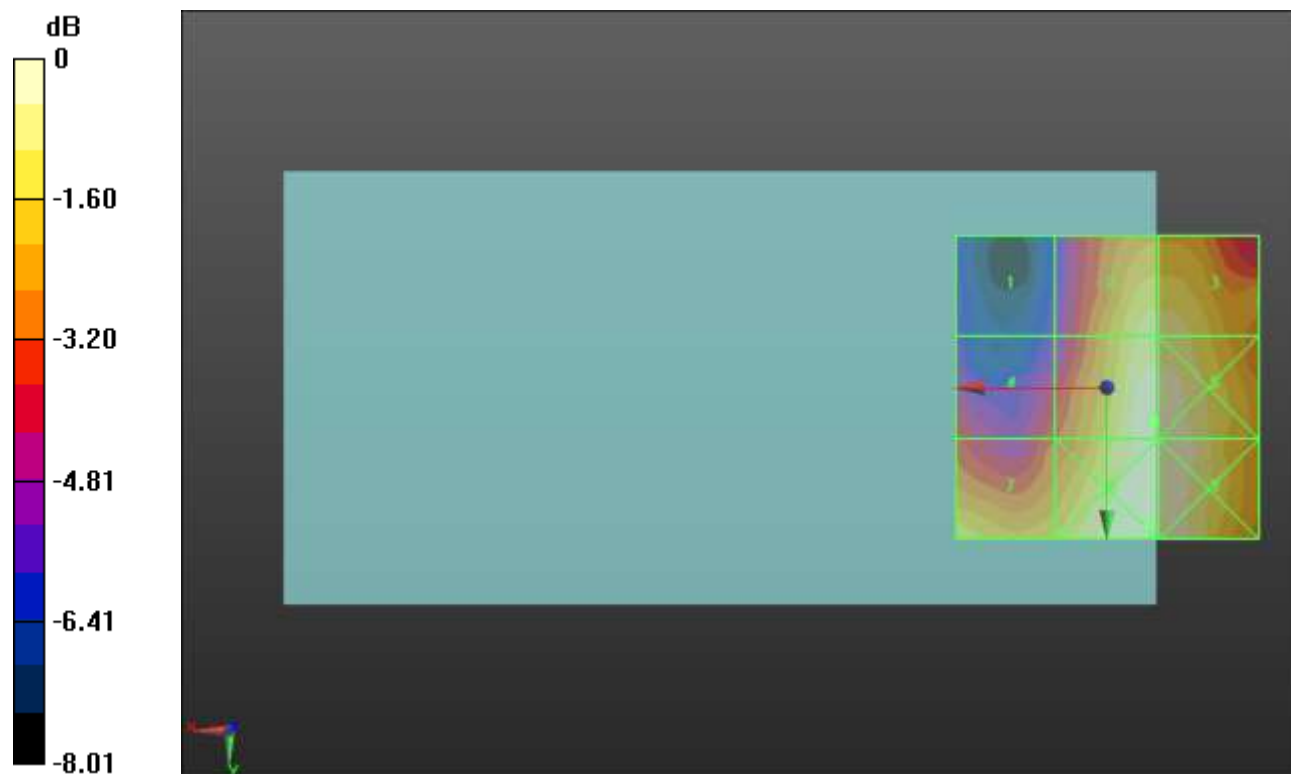
Applied MIF = 3.26 dB

RF audio interference level = 24.28 dBV/m

Emission category: **M4**

MIF scaled E-field

Grid 1 M4 19.18 dBV/m	Grid 2 M4 23.71 dBV/m	Grid 3 M4 23.72 dBV/m
Grid 4 M4 21.2 dBV/m	Grid 5 M4 24.28 dBV/m	Grid 6 M4 24.28 dBV/m
Grid 7 M4 23.54 dBV/m	Grid 8 M4 24.41 dBV/m	Grid 9 M4 24.39 dBV/m



0 dB = 16.61 V/m = 24.41 dBV/m

HAC-RF Emission

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

Phantom section: RF Section

DASY5 Configuration:

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

CDMA BC10 E-Field measurement/RC1_SO3_ch 450/Hearing Aid Compatibility Test (101x101x1):

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

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 23.07 V/m; Power Drift = 0.48 dB

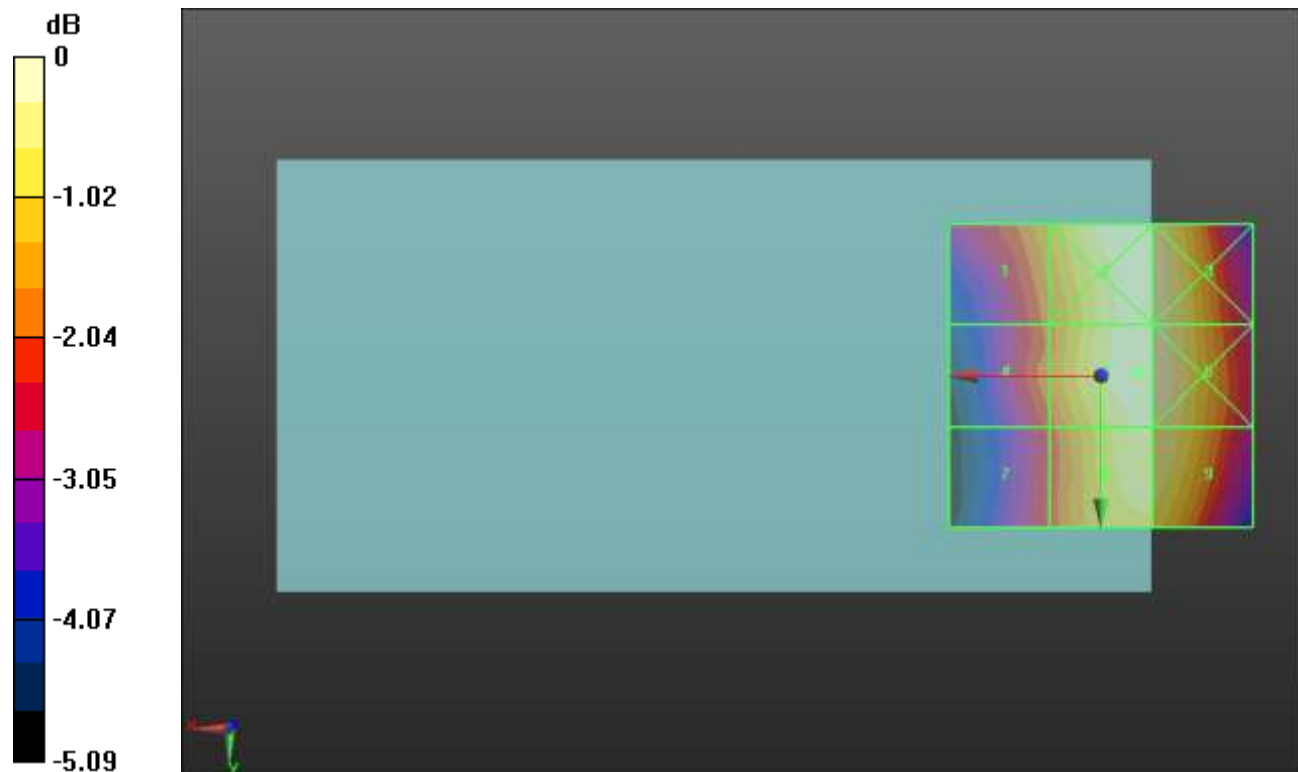
Applied MIF = 3.26 dB

RF audio interference level = 28.59 dBV/m

Emission category: **M4**

MIF scaled E-field

Grid 1 M4 27.27 dBV/m	Grid 2 M4 28.54 dBV/m	Grid 3 M4 28.48 dBV/m
Grid 4 M4 26.91 dBV/m	Grid 5 M4 28.59 dBV/m	Grid 6 M4 28.56 dBV/m
Grid 7 M4 26.4 dBV/m	Grid 8 M4 28.3 dBV/m	Grid 9 M4 28.28 dBV/m



0 dB = 26.90 V/m = 28.60 dBV/m

HAC-RF Emission

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

Phantom section: RF Section

DASY5 Configuration:

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

CDMA BC10 E-Field measurement/RC1_SO3_ch 560/Hearing Aid Compatibility Test (101x101x1):

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

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 21.27 V/m; Power Drift = -0.07 dB

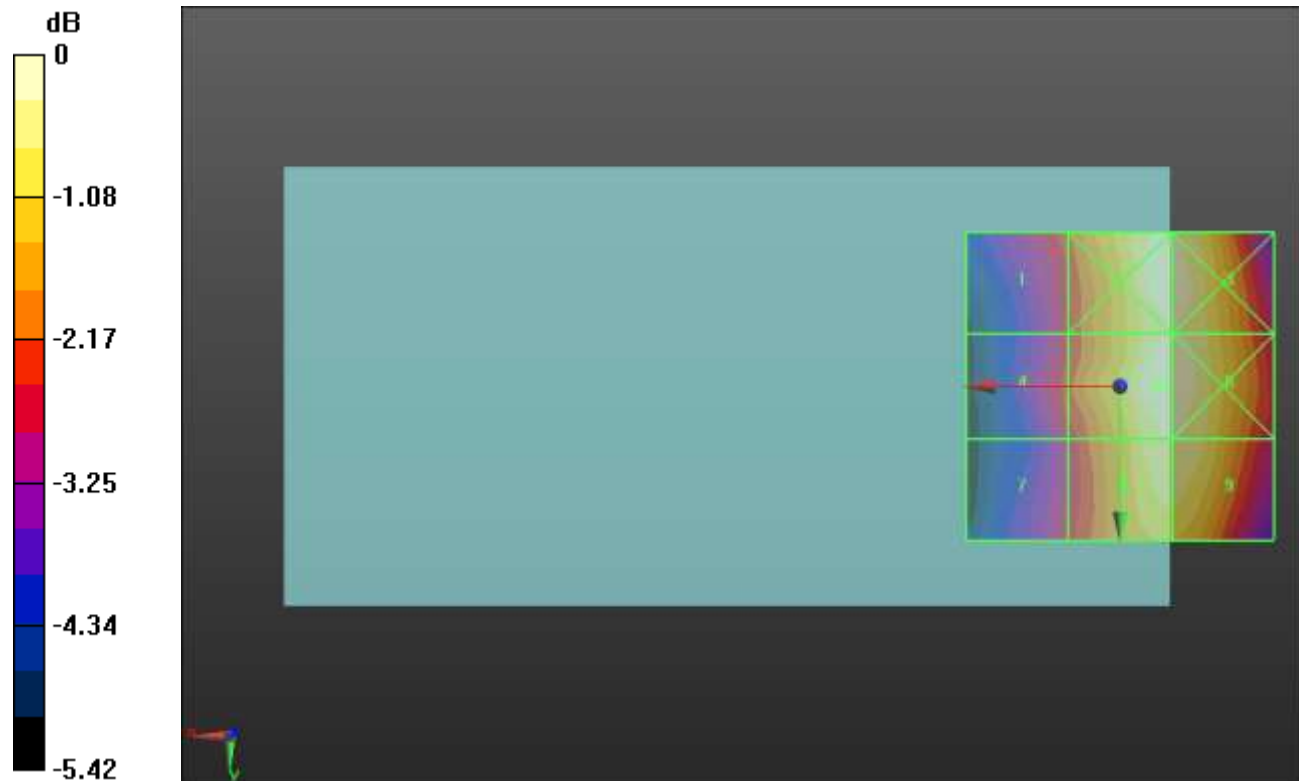
Applied MIF = 3.26 dB

RF audio interference level = 27.96 dBV/m

Emission category: **M4**

MIF scaled E-field

Grid 1 M4 25.77 dBV/m	Grid 2 M4 27.82 dBV/m	Grid 3 M4 27.81 dBV/m
Grid 4 M4 25.63 dBV/m	Grid 5 M4 27.96 dBV/m	Grid 6 M4 27.89 dBV/m
Grid 7 M4 25.34 dBV/m	Grid 8 M4 27.63 dBV/m	Grid 9 M4 27.63 dBV/m



0 dB = 25.01 V/m = 27.96 dBV/m

HAC-RF Emission

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

Phantom section: RF Section

DASY5 Configuration:

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

CDMA BC10 E-Field measurement/RC1_SO3_ch 670/Hearing Aid Compatibility Test (101x101x1):

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

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 20.35 V/m; Power Drift = 0.29 dB

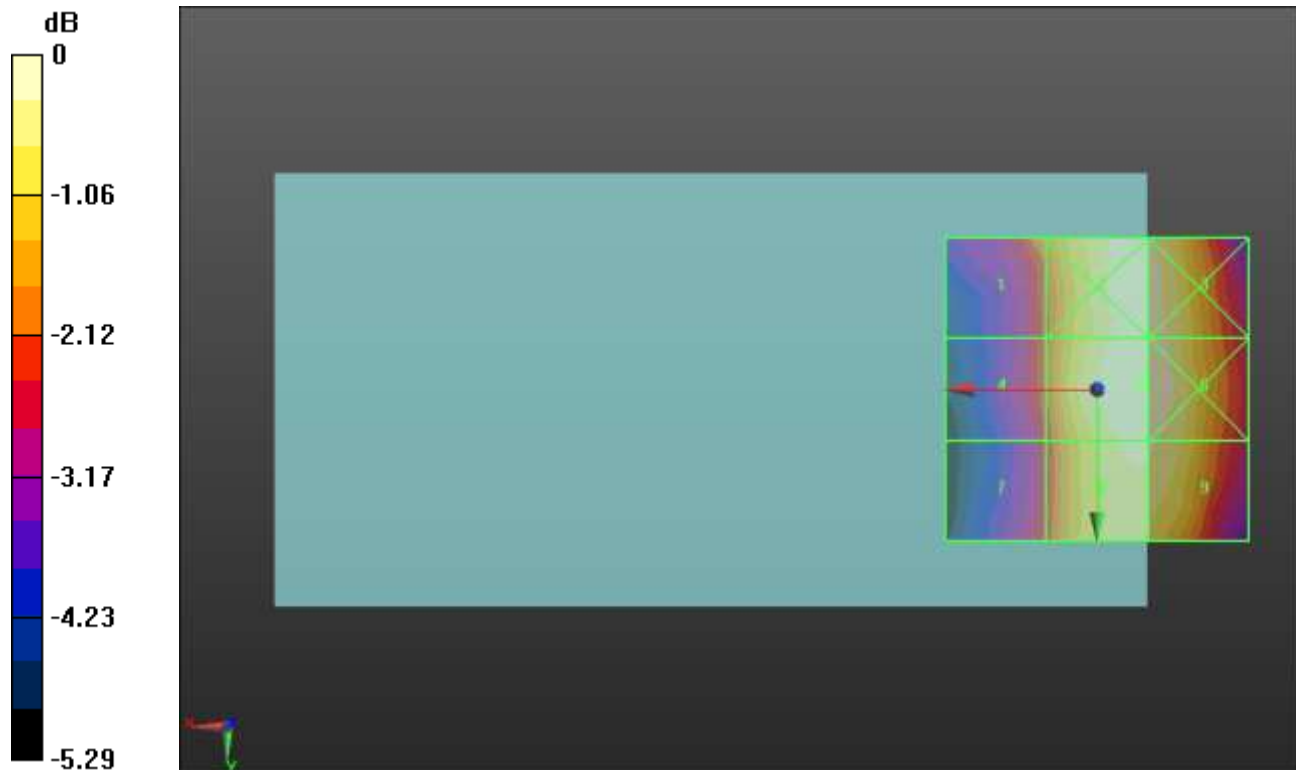
Applied MIF = 3.26 dB

RF audio interference level = 27.40 dBV/m

Emission category: **M4**

MIF scaled E-field

Grid 1 M4 25.84 dBV/m	Grid 2 M4 27.32 dBV/m	Grid 3 M4 27.3 dBV/m
Grid 4 M4 25.29 dBV/m	Grid 5 M4 27.4 dBV/m	Grid 6 M4 27.39 dBV/m
Grid 7 M4 25.02 dBV/m	Grid 8 M4 27.15 dBV/m	Grid 9 M4 27.12 dBV/m



0 dB = 23.45 V/m = 27.40 dBV/m

HAC-RF Emission

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

Phantom section: RF Section

DASY5 Configuration:

- Probe: EF3DV3 - SN4041; ConvF(1, 1, 1) @ 2506 MHz; Calibrated: 3/22/2019
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1352; Calibrated: 11/6/2018
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7450)

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

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

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 14.06 V/m; Power Drift = 3.80 dB

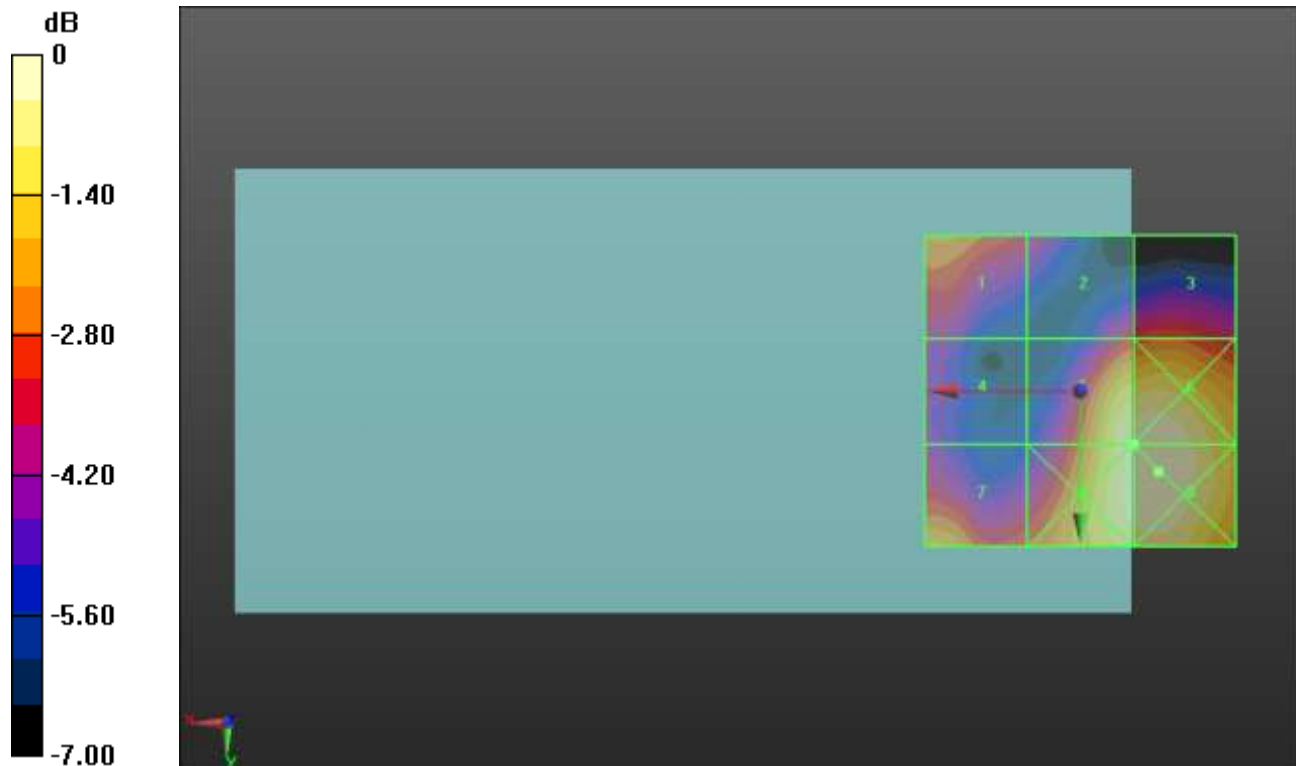
Applied MIF = -1.44 dB

RF audio interference level = 25.09 dBV/m

Emission category: **M4**

MIF scaled E-field

Grid 1 M4 23.27 dBV/m	Grid 2 M4 22.21 dBV/m	Grid 3 M4 22.62 dBV/m
Grid 4 M4 21.44 dBV/m	Grid 5 M4 25.09 dBV/m	Grid 6 M4 25.37 dBV/m
Grid 7 M4 23.8 dBV/m	Grid 8 M4 25.21 dBV/m	Grid 9 M4 25.45 dBV/m



0 dB = 18.74 V/m = 25.46 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 = 16.28 V/m; Power Drift = 2.61 dB

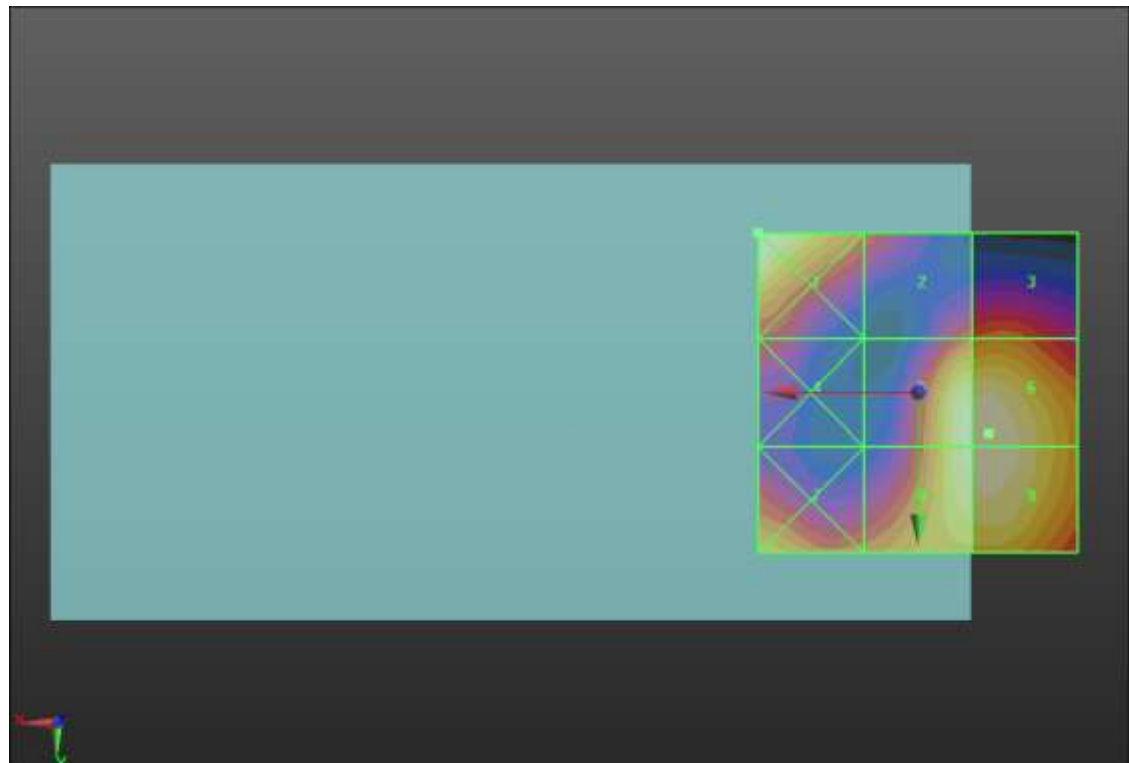
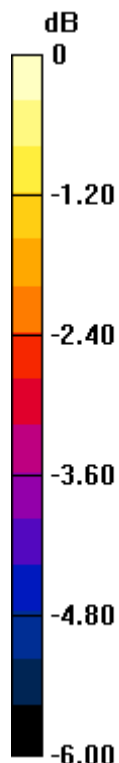
Applied MIF = -1.44 dB

RF audio interference level = 24.06 dBV/m

Emission category: **M4**

MIF scaled E-field

Grid 1 M4 24.14 dBV/m	Grid 2 M4 21.83 dBV/m	Grid 3 M4 22.03 dBV/m
Grid 4 M4 21.29 dBV/m	Grid 5 M4 23.93 dBV/m	Grid 6 M4 24.06 dBV/m
Grid 7 M4 23.04 dBV/m	Grid 8 M4 23.89 dBV/m	Grid 9 M4 24.04 dBV/m



0 dB = 16.11 V/m = 24.14 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 = 24.34 V/m; Power Drift = 0.68 dB

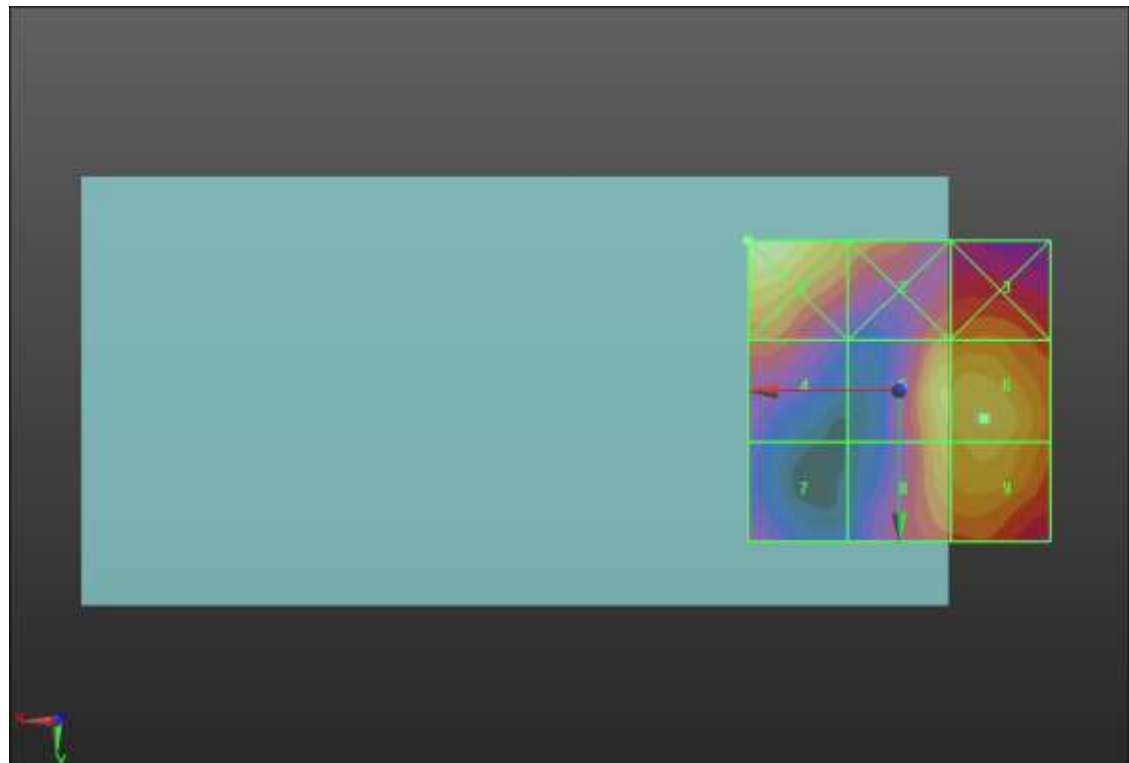
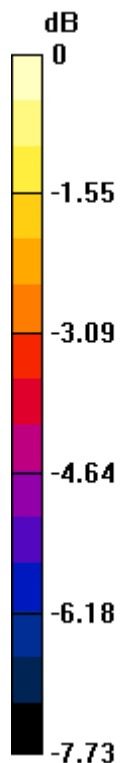
Applied MIF = -1.44 dB

RF audio interference level = 24.85 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 25.82 dBV/m	Grid 2 M4 23.45 dBV/m	Grid 3 M4 23.39 dBV/m
Grid 4 M4 22.75 dBV/m	Grid 5 M4 24.43 dBV/m	Grid 6 M4 24.85 dBV/m
Grid 7 M4 21.43 dBV/m	Grid 8 M4 24.02 dBV/m	Grid 9 M4 24.52 dBV/m



0 dB = 19.53 V/m = 25.81 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 = 20.33 V/m; Power Drift = 0.01 dB

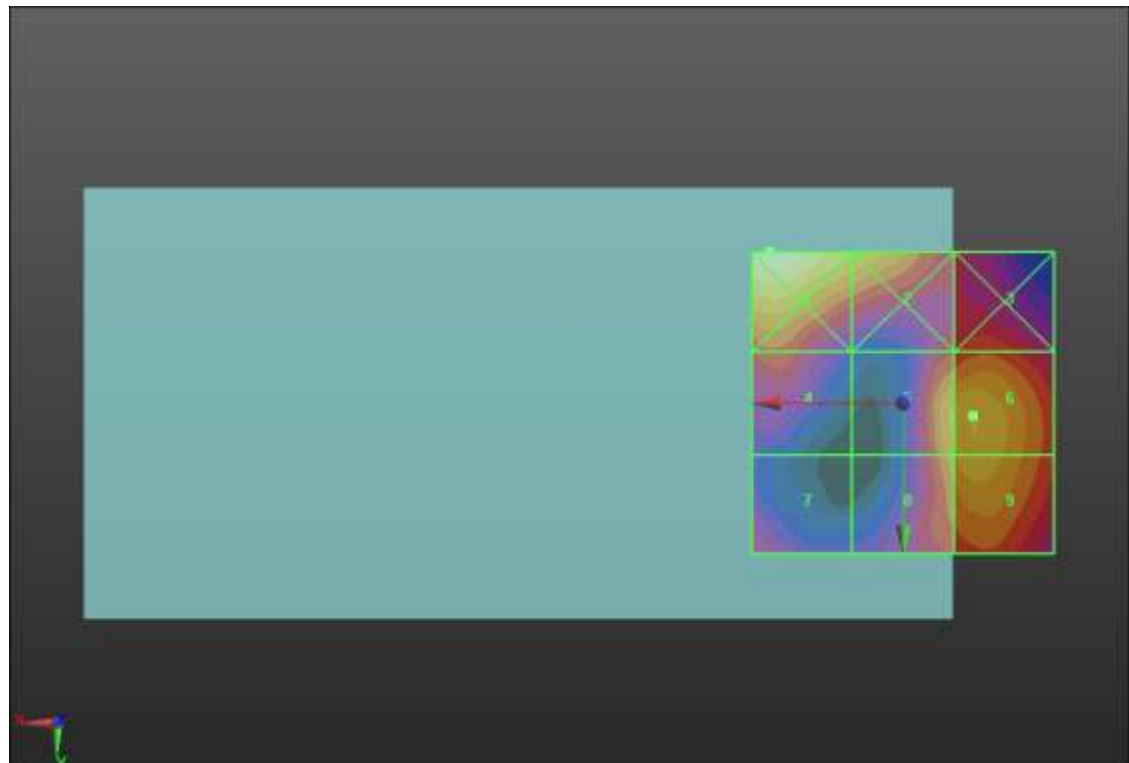
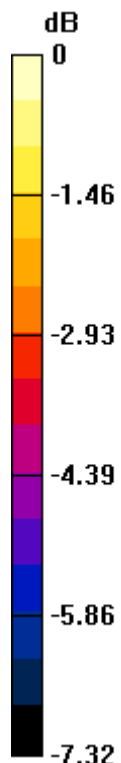
Applied MIF = -1.44 dB

RF audio interference level = 23.12 dBV/m

Emission category: **M4**

MIF scaled E-field

Grid 1 M4 24.56 dBV/m	Grid 2 M4 23.23 dBV/m	Grid 3 M4 21.57 dBV/m
Grid 4 M4 21.54 dBV/m	Grid 5 M4 22.79 dBV/m	Grid 6 M4 23.12 dBV/m
Grid 7 M4 20.95 dBV/m	Grid 8 M4 22.57 dBV/m	Grid 9 M4 23.03 dBV/m



0 dB = 16.90 V/m = 24.56 dBV/m

HAC-RF Emission

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

Phantom section: RF Section

DASY5 Configuration:

- Probe: EF3DV3 - SN4041; ConvF(1, 1, 1) @ 2680 MHz; Calibrated: 3/22/2019
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1352; Calibrated: 11/6/2018
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7450)

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

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

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 18.15 V/m; Power Drift = -0.39 dB

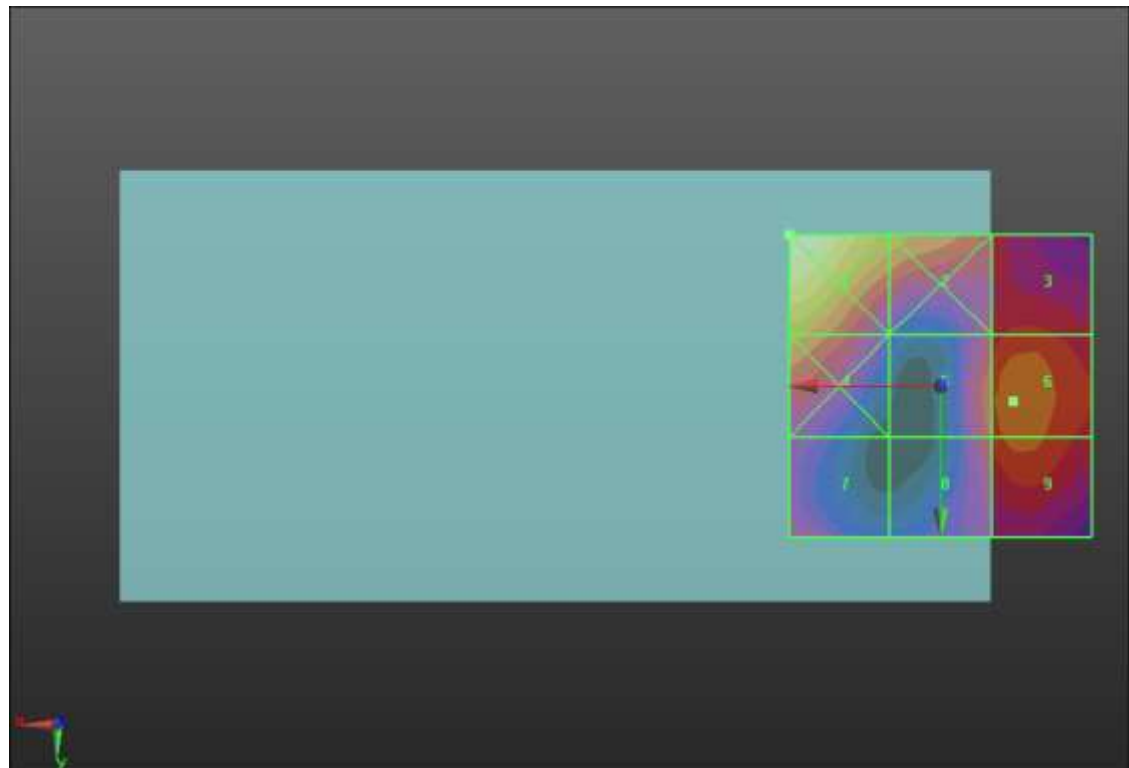
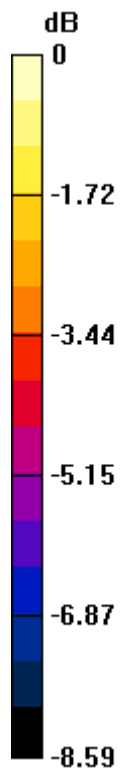
Applied MIF = -1.44 dB

RF audio interference level = 21.68 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 24.66 dBV/m	Grid 2 M4 22.18 dBV/m	Grid 3 M4 20.84 dBV/m
Grid 4 M4 22.11 dBV/m	Grid 5 M4 21.15 dBV/m	Grid 6 M4 21.68 dBV/m
Grid 7 M4 20.15 dBV/m	Grid 8 M4 20.79 dBV/m	Grid 9 M4 21.43 dBV/m



0 dB = 17.09 V/m = 24.65 dBV/m

HAC-RF Emission

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

Phantom section: RF Section

DASY5 Configuration:

- Probe: EF3DV3 - SN4041; ConvF(1, 1, 1) @ 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 = 21.85 V/m; Power Drift = 0.51 dB

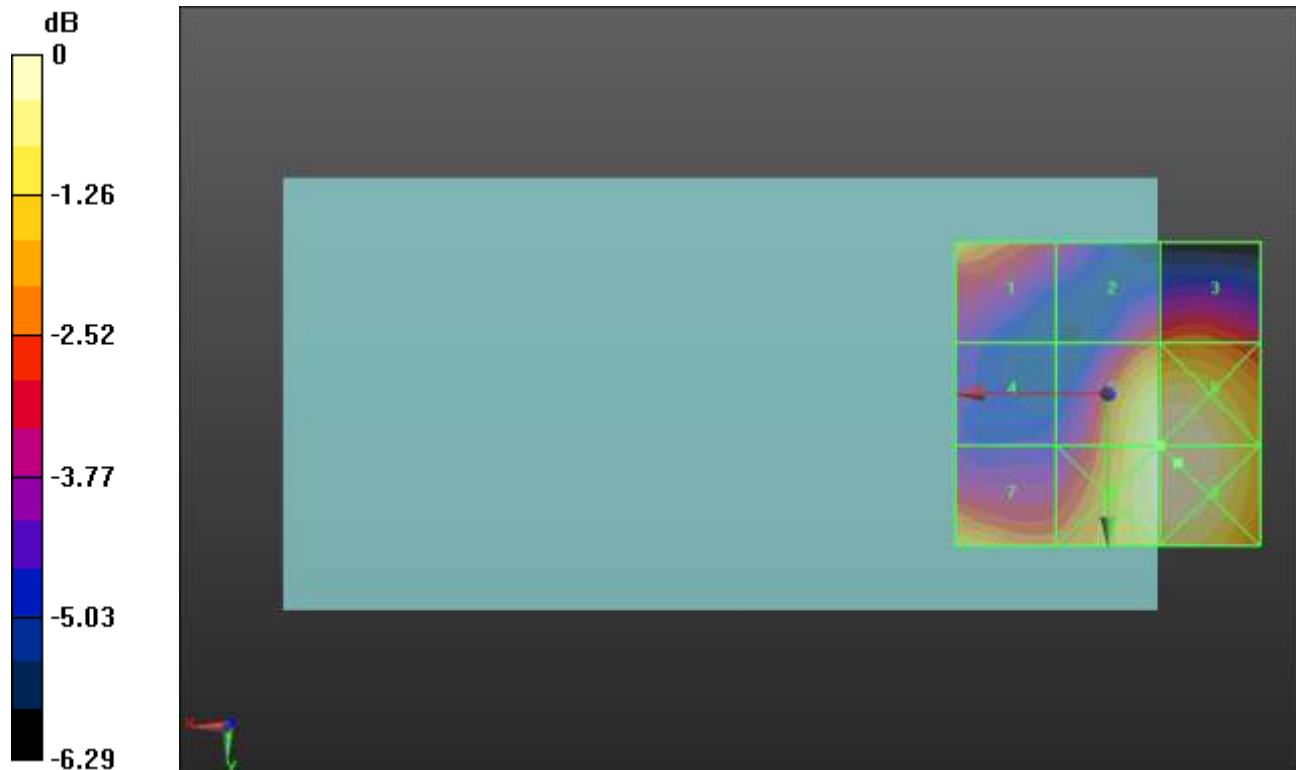
Applied MIF = -1.44 dB

RF audio interference level = 25.08 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 24.42 dBV/m	Grid 2 M4 22.78 dBV/m	Grid 3 M4 23.09 dBV/m
Grid 4 M4 21.26 dBV/m	Grid 5 M4 25.08 dBV/m	Grid 6 M4 25.24 dBV/m
Grid 7 M4 24.12 dBV/m	Grid 8 M4 25.1 dBV/m	Grid 9 M4 25.27 dBV/m



0 dB = 18.35 V/m = 25.27 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 = 23.54 V/m; Power Drift = 0.05 dB

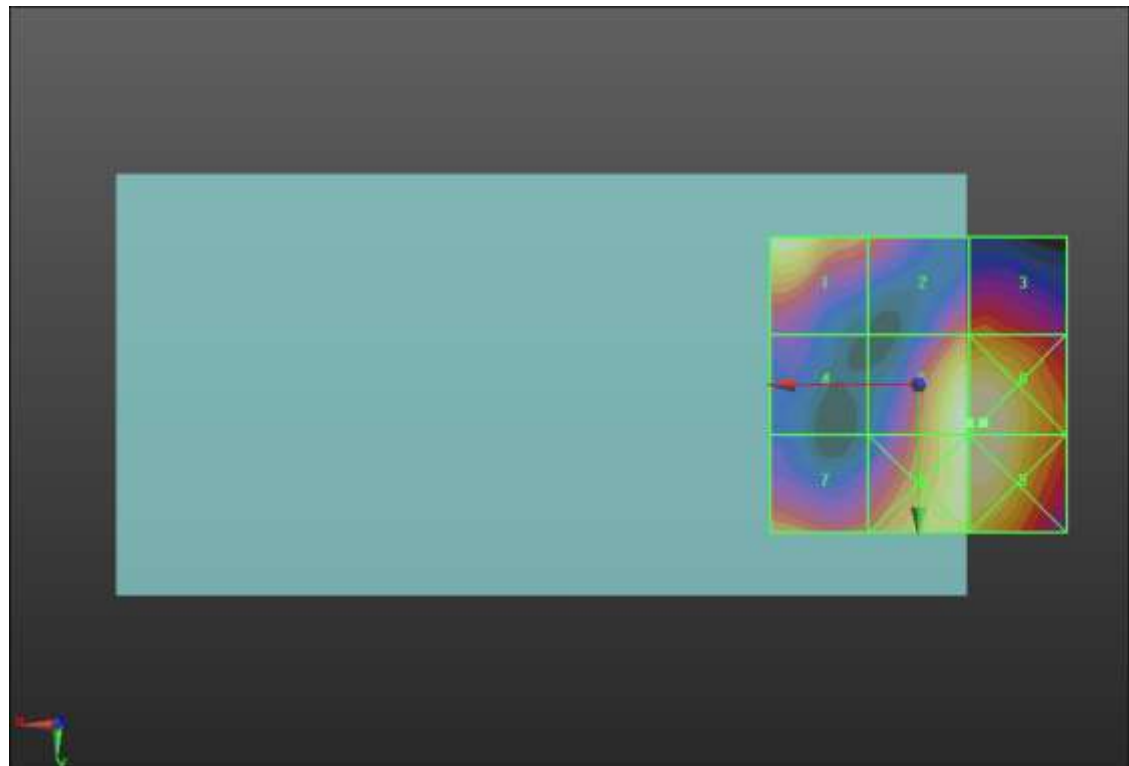
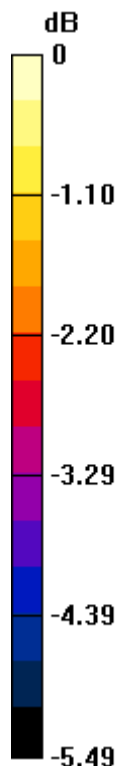
Applied MIF = -1.44 dB

RF audio interference level = 24.40 dBV/m

Emission category: **M4**

MIF scaled E-field

Grid 1 M4 24.27 dBV/m	Grid 2 M4 22.46 dBV/m	Grid 3 M4 22.64 dBV/m
Grid 4 M4 21.07 dBV/m	Grid 5 M4 24.4 dBV/m	Grid 6 M4 24.51 dBV/m
Grid 7 M4 22.83 dBV/m	Grid 8 M4 24.35 dBV/m	Grid 9 M4 24.46 dBV/m



0 dB = 16.81 V/m = 24.51 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 = 23.24 V/m; Power Drift = -0.33 dB

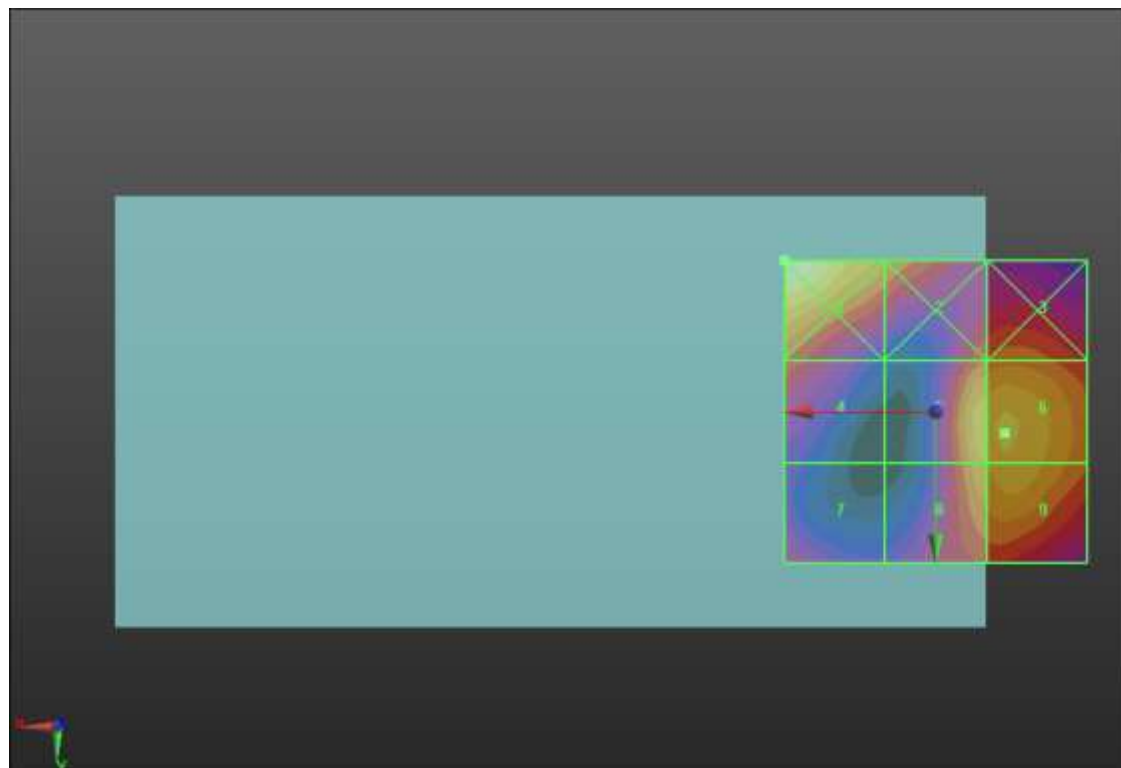
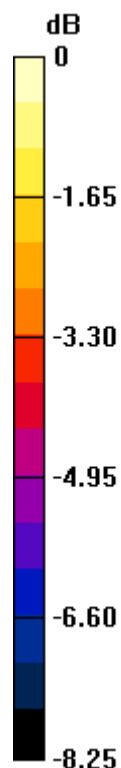
Applied MIF = -1.44 dB

RF audio interference level = 23.96 dBV/m

Emission category: **M4**

MIF scaled E-field

Grid 1 M4 25.5 dBV/m	Grid 2 M4 23.07 dBV/m	Grid 3 M4 22.62 dBV/m
Grid 4 M4 22.16 dBV/m	Grid 5 M4 23.74 dBV/m	Grid 6 M4 23.96 dBV/m
Grid 7 M4 21.12 dBV/m	Grid 8 M4 23.39 dBV/m	Grid 9 M4 23.71 dBV/m



0 dB = 18.84 V/m = 25.50 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 = 18.98 V/m; Power Drift = 0.11 dB

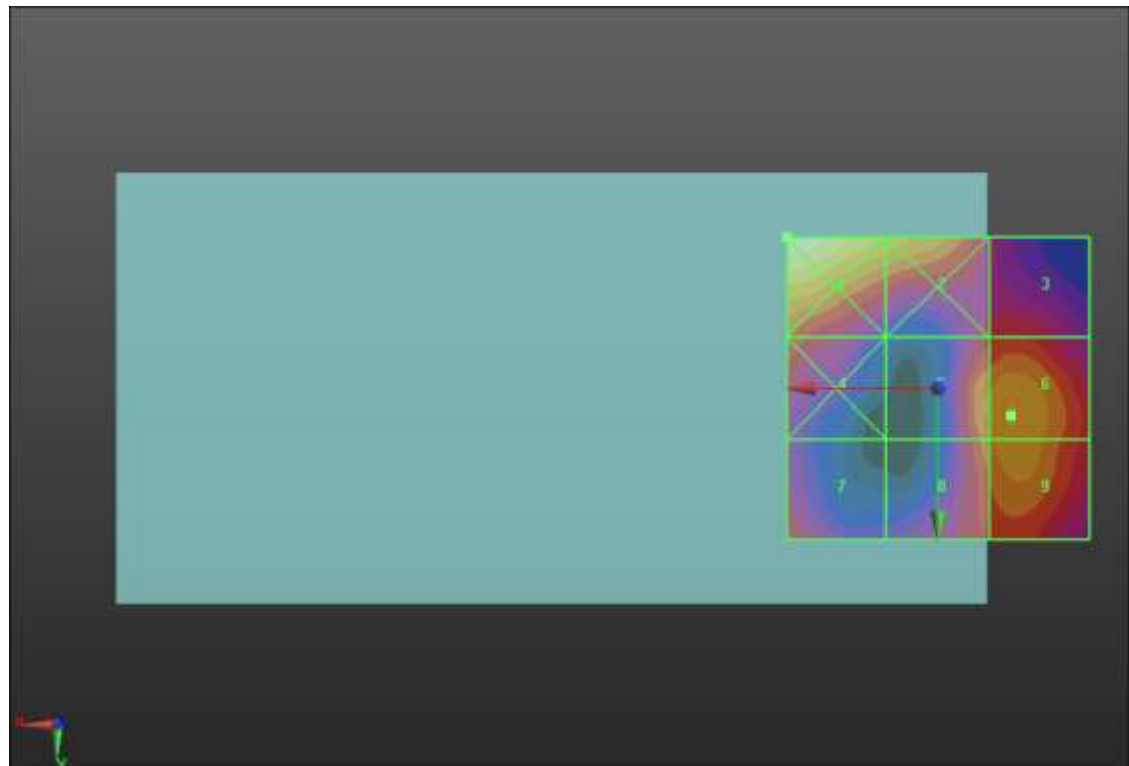
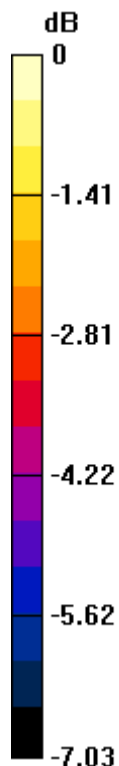
Applied MIF = -1.44 dB

RF audio interference level = 22.09 dBV/m

Emission category: **M4**

MIF scaled E-field

Grid 1 M4 23.94 dBV/m	Grid 2 M4 22.51 dBV/m	Grid 3 M4 20.74 dBV/m
Grid 4 M4 21.22 dBV/m	Grid 5 M4 21.73 dBV/m	Grid 6 M4 22.09 dBV/m
Grid 7 M4 21.02 dBV/m	Grid 8 M4 21.5 dBV/m	Grid 9 M4 21.99 dBV/m



0 dB = 15.74 V/m = 23.94 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):

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 17.30 V/m; Power Drift = 0.01 dB

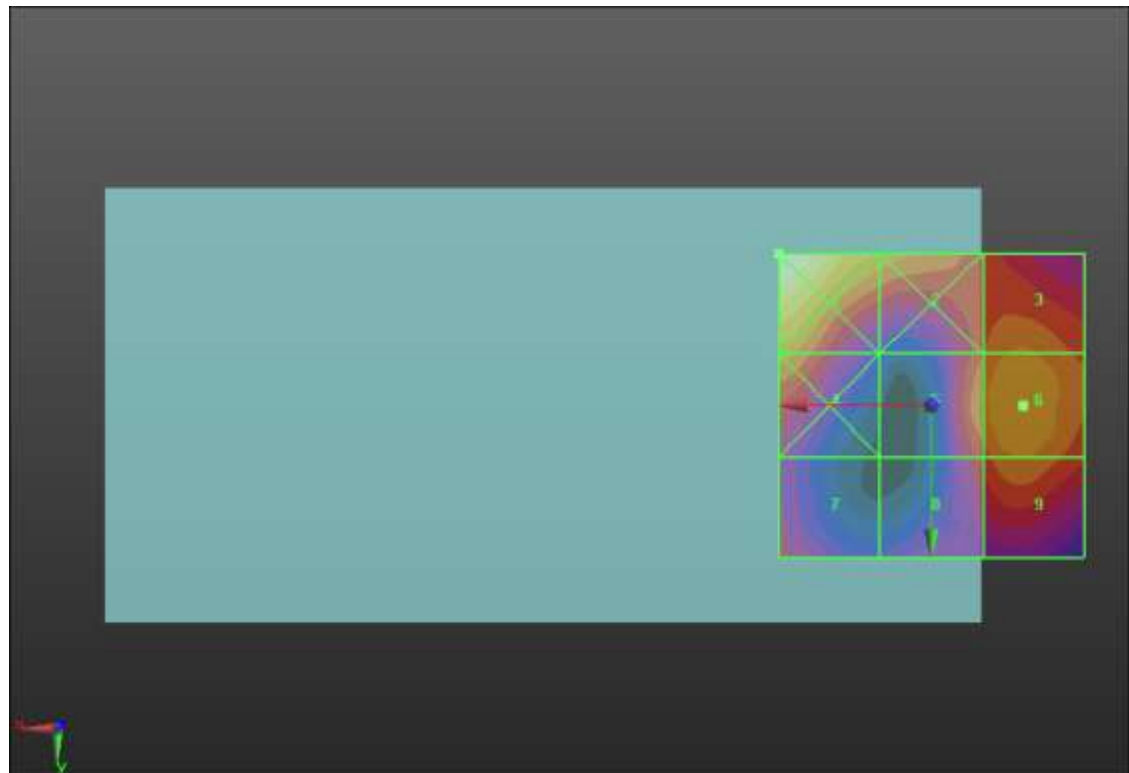
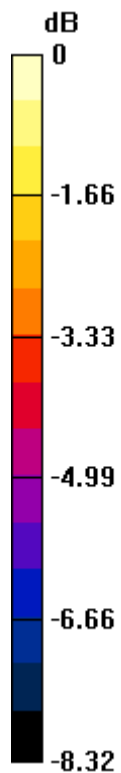
Applied MIF = -1.44 dB

RF audio interference level = 22.34 dBV/m

Emission category: **M4**

MIF scaled E-field

Grid 1 M4 24.53 dBV/m	Grid 2 M4 22.21 dBV/m	Grid 3 M4 21.87 dBV/m
Grid 4 M4 22.07 dBV/m	Grid 5 M4 21.67 dBV/m	Grid 6 M4 22.34 dBV/m
Grid 7 M4 20.39 dBV/m	Grid 8 M4 20.96 dBV/m	Grid 9 M4 21.79 dBV/m



0 dB = 16.85 V/m = 24.53 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 = 8.875 V/m; Power Drift = -0.12 dB

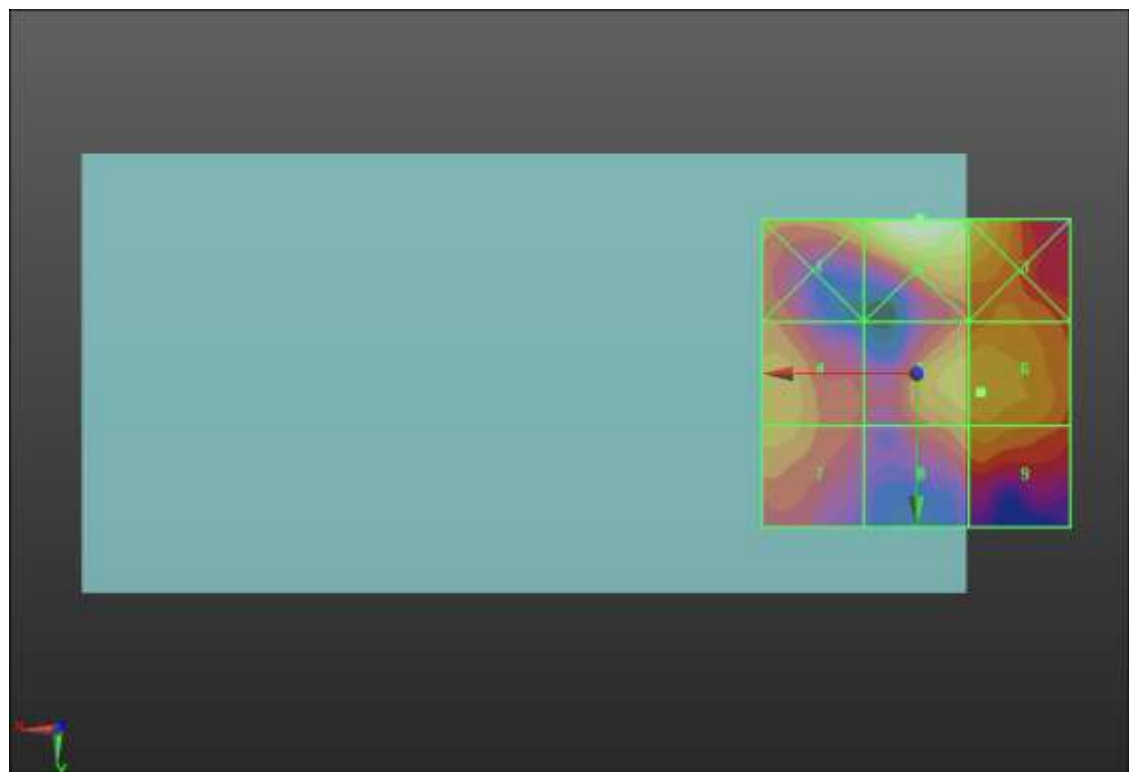
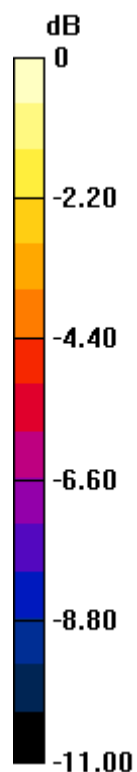
Applied MIF = -1.44 dB

RF audio interference level = 15.47 dBV/m

Emission category: **M4**

MIF scaled E-field

Grid 1 M4 15.8 dBV/m	Grid 2 M4 17.83 dBV/m	Grid 3 M4 16.67 dBV/m
Grid 4 M4 14.71 dBV/m	Grid 5 M4 15.43 dBV/m	Grid 6 M4 15.47 dBV/m
Grid 7 M4 14.53 dBV/m	Grid 8 M4 14.59 dBV/m	Grid 9 M4 14.84 dBV/m



0 dB = 7.792 V/m = 17.83 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 = 16.36 V/m; Power Drift = -0.01 dB

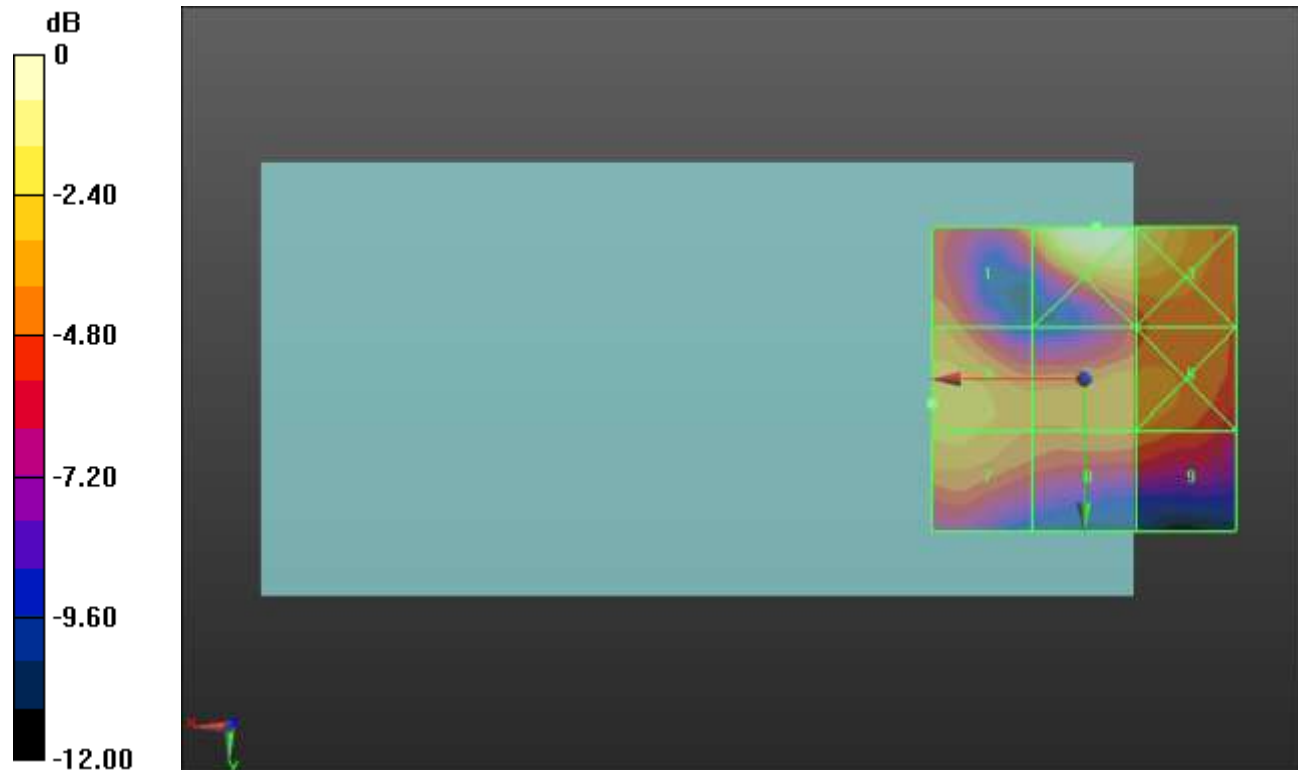
Applied MIF = -1.44 dB

RF audio interference level = 20.50 dBV/m

Emission category: **M4**

MIF scaled E-field

Grid 1 M4 19.7 dBV/m	Grid 2 M4 23.22 dBV/m	Grid 3 M4 22.3 dBV/m
Grid 4 M4 20.5 dBV/m	Grid 5 M4 19.92 dBV/m	Grid 6 M4 19.89 dBV/m
Grid 7 M4 20.28 dBV/m	Grid 8 M4 19.47 dBV/m	Grid 9 M4 19.23 dBV/m



0 dB = 14.49 V/m = 23.22 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 = 17.17 V/m; Power Drift = -0.09 dB

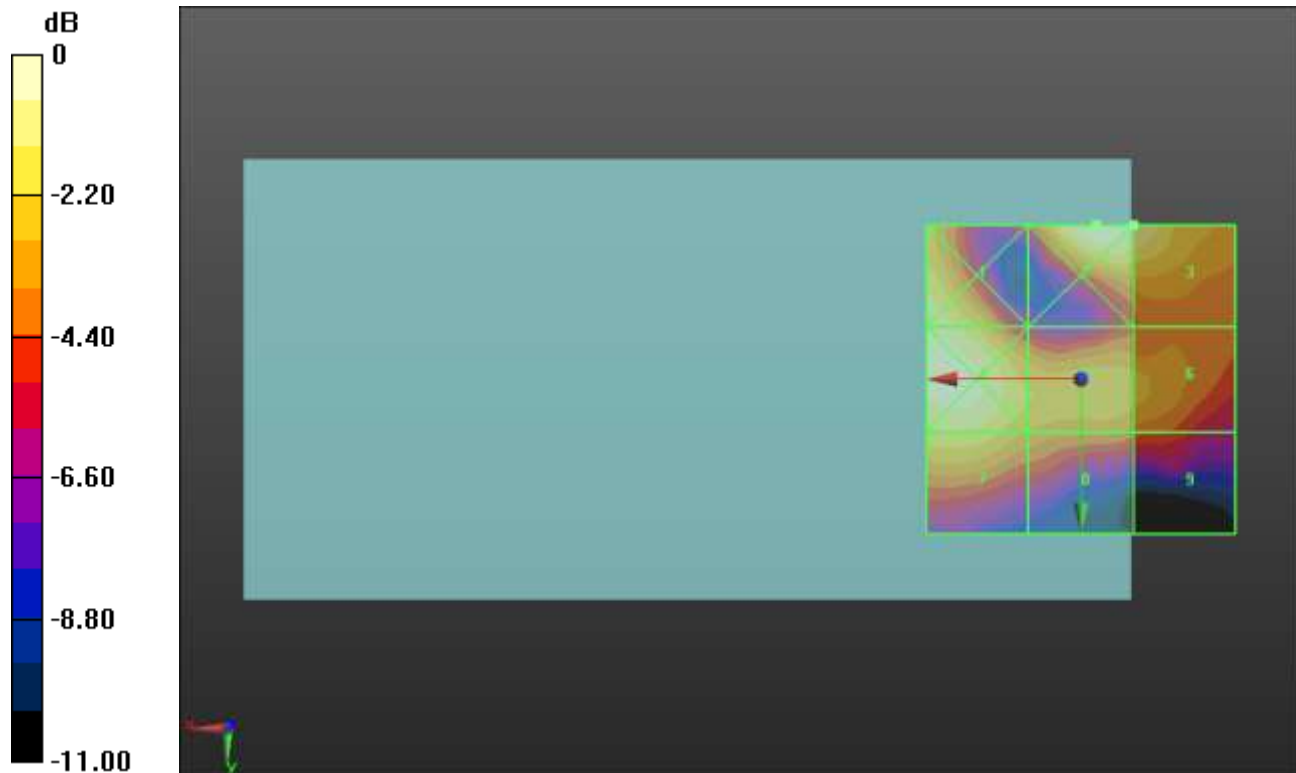
Applied MIF = -1.44 dB

RF audio interference level = 21.22 dBV/m

Emission category: **M4**

MIF scaled E-field

Grid 1 M4 20.95 dBV/m	Grid 2 M4 21.72 dBV/m	Grid 3 M4 21.22 dBV/m
Grid 4 M4 21.52 dBV/m	Grid 5 M4 19.58 dBV/m	Grid 6 M4 19.1 dBV/m
Grid 7 M4 20.26 dBV/m	Grid 8 M4 18.76 dBV/m	Grid 9 M4 17.77 dBV/m



0 dB = 12.20 V/m = 21.73 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 = 10.62 V/m; Power Drift = -0.16 dB

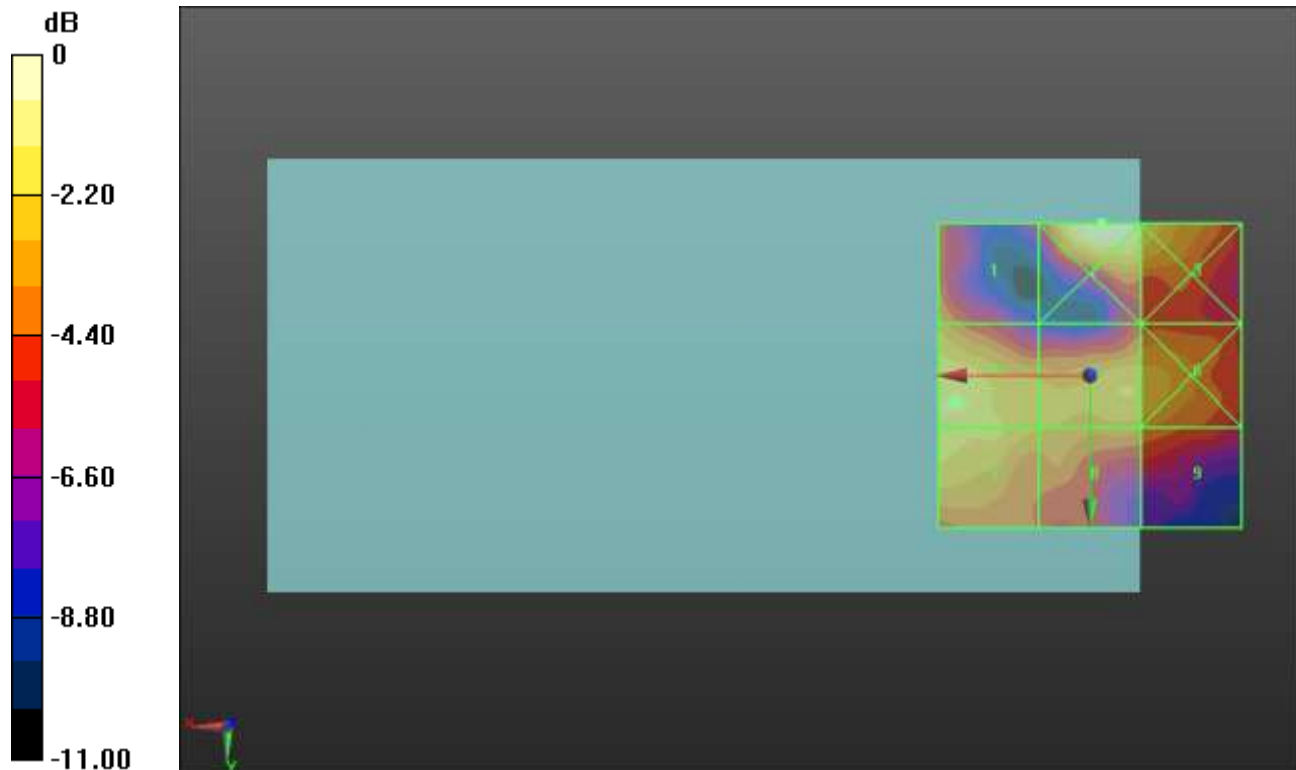
Applied MIF = -1.44 dB

RF audio interference level = 15.37 dBV/m

Emission category: **M4**

MIF scaled E-field

Grid 1 M4 13.63 dBV/m	Grid 2 M4 16.78 dBV/m	Grid 3 M4 15.45 dBV/m
Grid 4 M4 15.37 dBV/m	Grid 5 M4 14.62 dBV/m	Grid 6 M4 14.5 dBV/m
Grid 7 M4 15.17 dBV/m	Grid 8 M4 13.96 dBV/m	Grid 9 M4 13.31 dBV/m



0 dB = 6.903 V/m = 16.78 dBV/m

HAC-RF Emission

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

Phantom section: RF Section

DASY5 Configuration:

- Probe: EF3DV3 - SN4041; ConvF(1, 1, 1) @ 824.2 MHz; Calibrated: 3/22/2019
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1352; Calibrated: 11/6/2018
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7450)

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

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

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 33.92 V/m; Power Drift = -0.02 dB

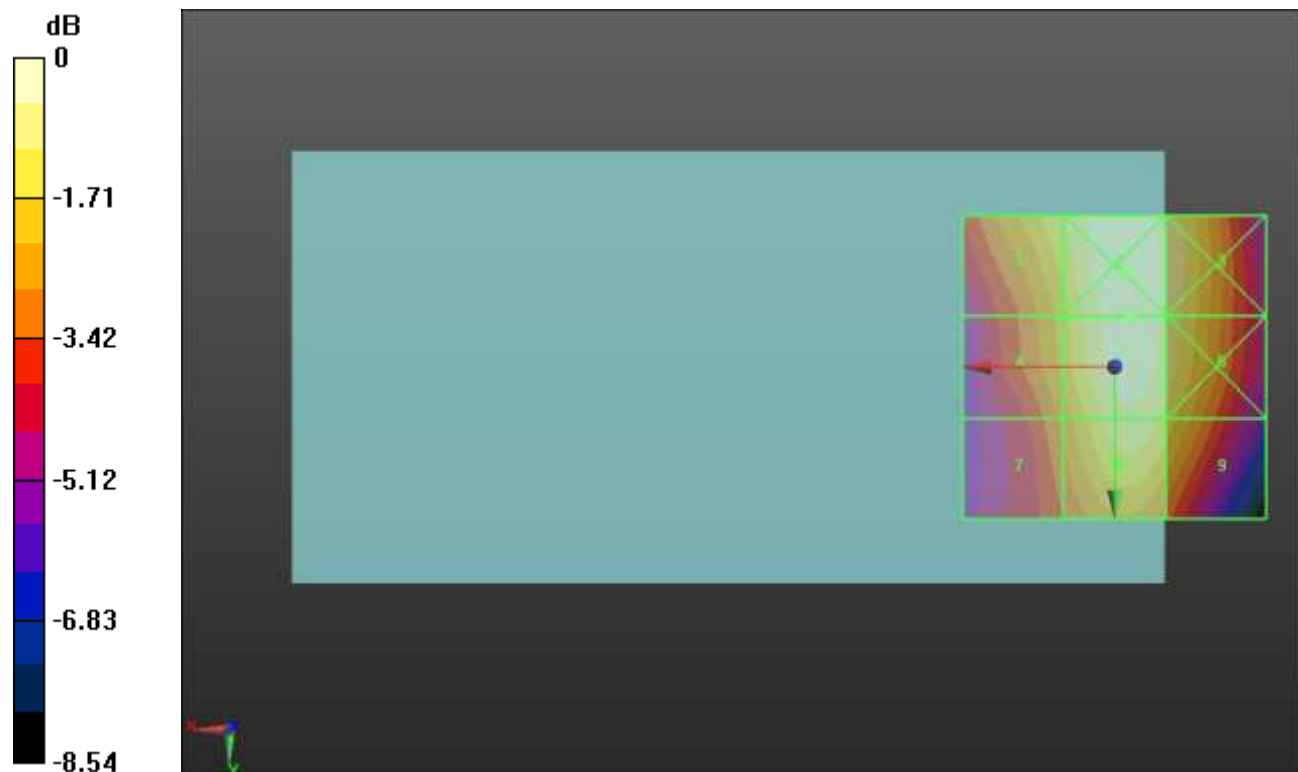
Applied MIF = 3.63 dB

RF audio interference level = 30.20 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 29.2 dBV/m	Grid 2 M4 30.31 dBV/m	Grid 3 M4 29.76 dBV/m
Grid 4 M4 28.38 dBV/m	Grid 5 M4 30.2 dBV/m	Grid 6 M4 29.63 dBV/m
Grid 7 M4 27.67 dBV/m	Grid 8 M4 29.6 dBV/m	Grid 9 M4 28.96 dBV/m



0 dB = 32.79 V/m = 30.31 dBV/m

HAC-RF Emission

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

Phantom section: RF Section

DASY5 Configuration:

- Probe: EF3DV3 - SN4041; ConvF(1, 1, 1) @ 836.6 MHz; Calibrated: 3/22/2019
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1352; Calibrated: 11/6/2018
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7450)

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

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

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 36.98 V/m; Power Drift = -0.04 dB

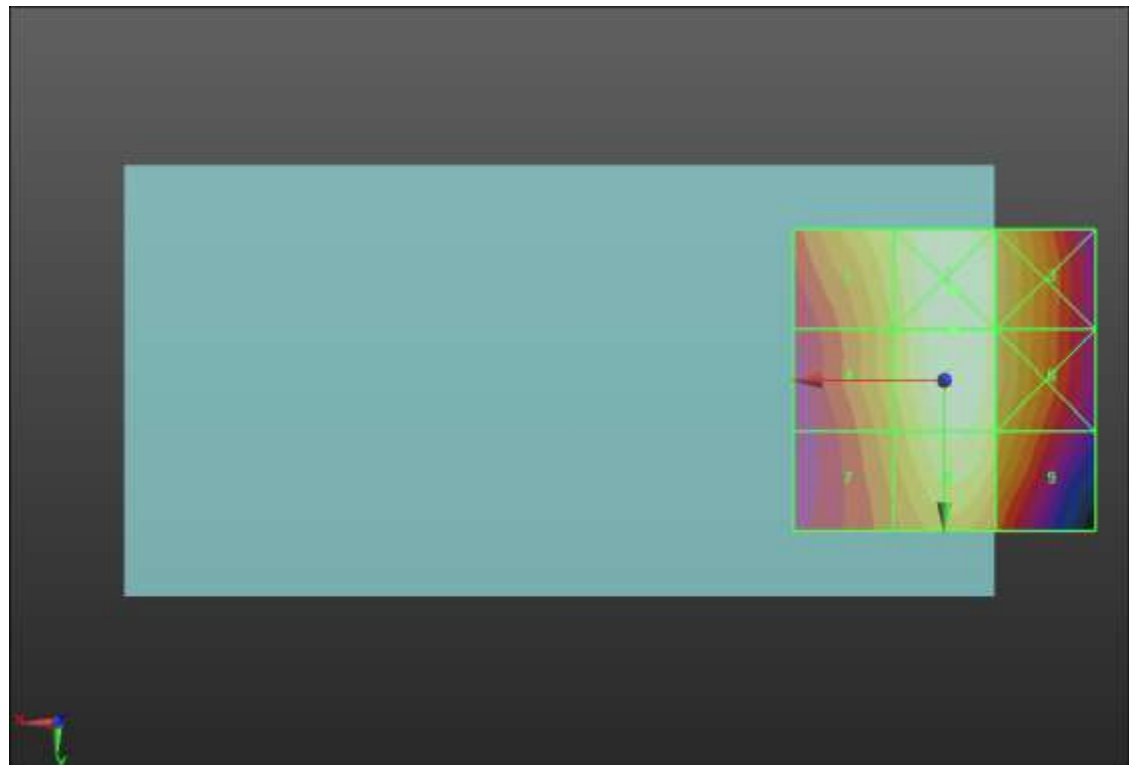
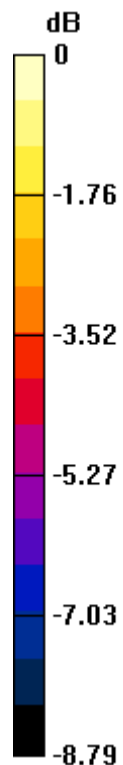
Applied MIF = 3.63 dB

RF audio interference level = 30.59 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 29.67 dBV/m	Grid 2 M4 30.66 dBV/m	Grid 3 M4 29.87 dBV/m
Grid 4 M4 28.94 dBV/m	Grid 5 M4 30.59 dBV/m	Grid 6 M4 29.78 dBV/m
Grid 7 M4 28.36 dBV/m	Grid 8 M4 30.16 dBV/m	Grid 9 M4 29.25 dBV/m



0 dB = 34.12 V/m = 30.66 dBV/m

HAC-RF Emission

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

Phantom section: RF Section

DASY5 Configuration:

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

GSM850 E-Field measurement/Voice_ch 251/Hearing Aid Compatibility Test

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

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 40.37 V/m; Power Drift = 0.08 dB

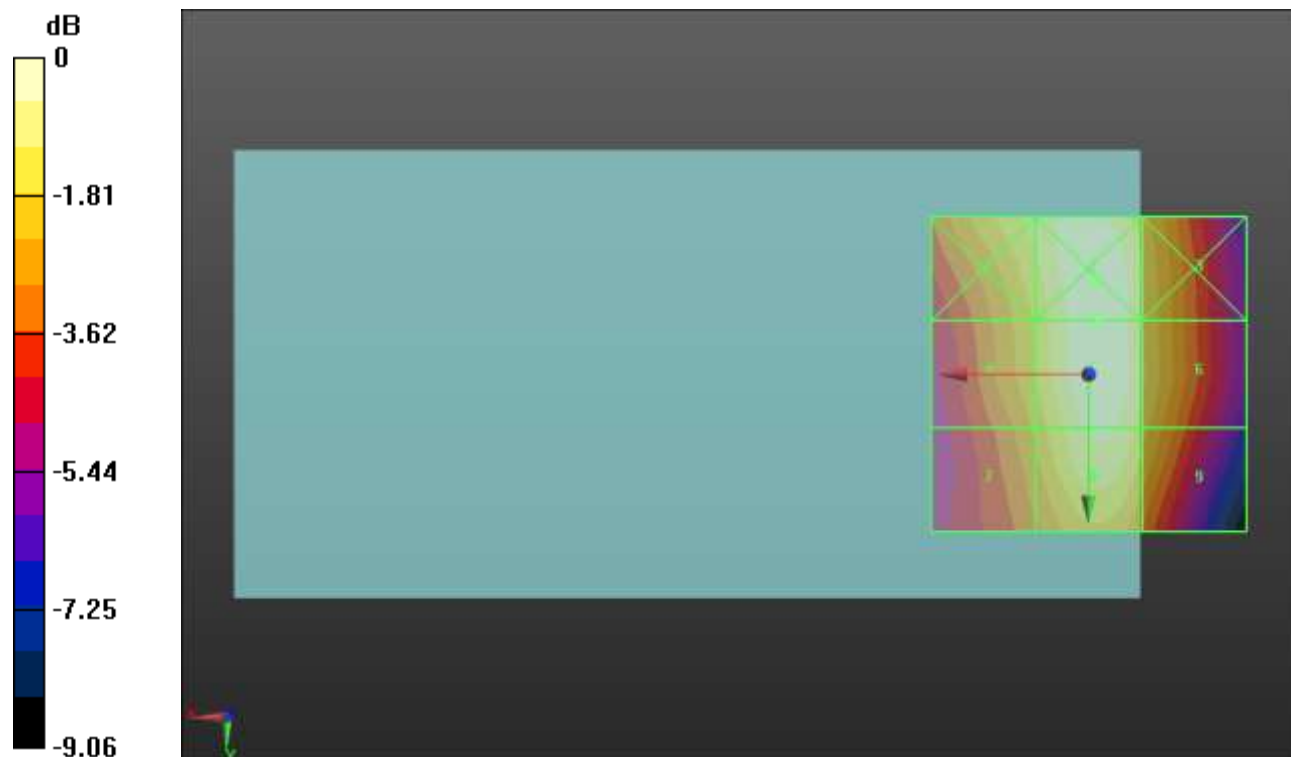
Applied MIF = 3.63 dB

RF audio interference level = 31.50 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 30.62 dBV/m	Grid 2 M4 31.57 dBV/m	Grid 3 M4 30.44 dBV/m
Grid 4 M4 29.87 dBV/m	Grid 5 M4 31.5 dBV/m	Grid 6 M4 30.5 dBV/m
Grid 7 M4 29.29 dBV/m	Grid 8 M4 31.1 dBV/m	Grid 9 M4 30.07 dBV/m



0 dB = 37.87 V/m = 31.57 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 = 30.66 V/m; Power Drift = -0.20 dB

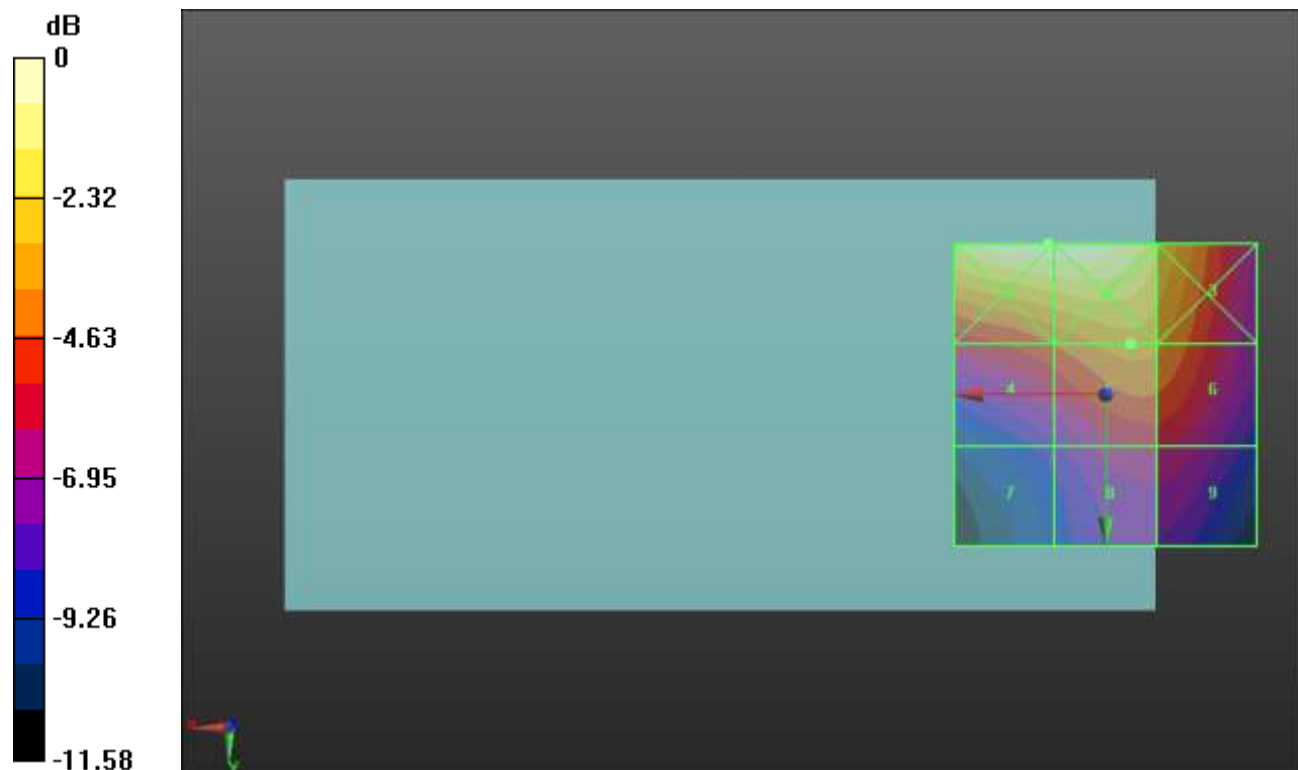
Applied MIF = 3.63 dB

RF audio interference level = 31.59 dBV/m

Emission category: M3

MIF scaled E-field

Grid 1 M2 35 dBV/m	Grid 2 M2 35 dBV/m	Grid 3 M3 32.88 dBV/m
Grid 4 M3 30.46 dBV/m	Grid 5 M3 31.59 dBV/m	Grid 6 M3 31.34 dBV/m
Grid 7 M4 27.12 dBV/m	Grid 8 M4 28.95 dBV/m	Grid 9 M4 28.93 dBV/m



0 dB = 56.26 V/m = 35.00 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 = 25.94 V/m; Power Drift = 0.03 dB

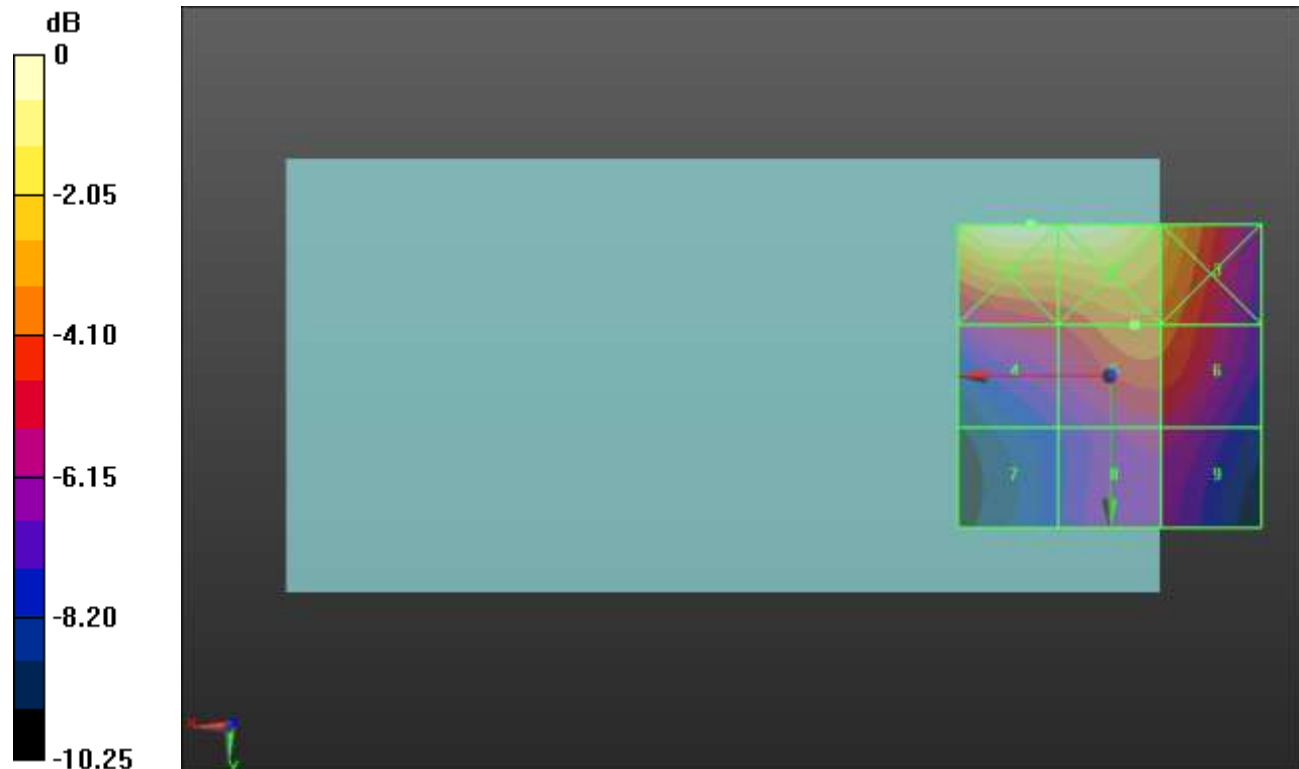
Applied MIF = 3.63 dB

RF audio interference level = 29.77 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M3 33.29 dBV/m	Grid 2 M3 33.22 dBV/m	Grid 3 M3 31.12 dBV/m
Grid 4 M4 28.49 dBV/m	Grid 5 M4 29.77 dBV/m	Grid 6 M4 29.59 dBV/m
Grid 7 M4 25.92 dBV/m	Grid 8 M4 27.64 dBV/m	Grid 9 M4 27.63 dBV/m



0 dB = 46.21 V/m = 33.29 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 = 24.27 V/m; Power Drift = -0.10 dB

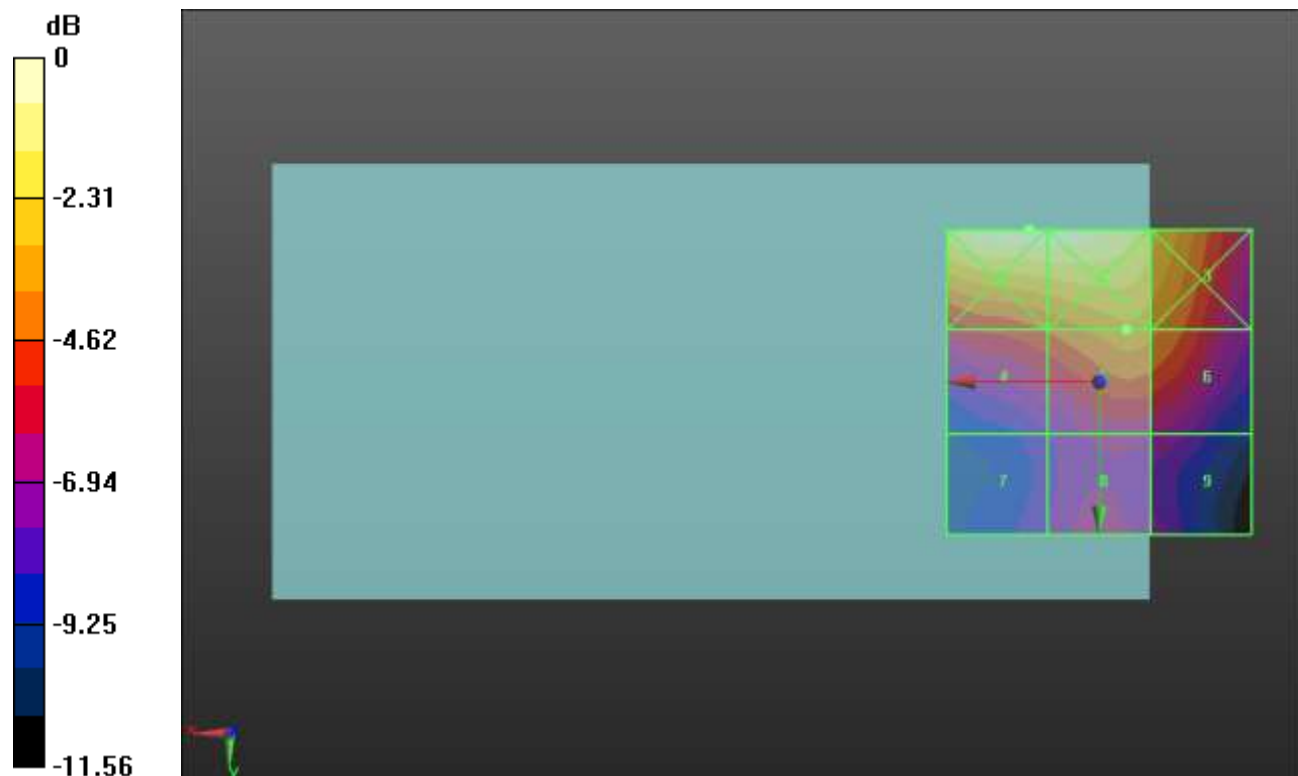
Applied MIF = 3.63 dB

RF audio interference level = 29.58 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M3 32.89 dBV/m	Grid 2 M3 32.84 dBV/m	Grid 3 M3 30.93 dBV/m
Grid 4 M4 28.36 dBV/m	Grid 5 M4 29.58 dBV/m	Grid 6 M4 29.26 dBV/m
Grid 7 M4 25.33 dBV/m	Grid 8 M4 26.45 dBV/m	Grid 9 M4 26.08 dBV/m



0 dB = 44.09 V/m = 32.89 dBV/m

HAC-RF Emission

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

Phantom section: RF Section

DASY5 Configuration:

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

CDMA BC0 E-Field measurement/RC1_SO3_Ch 1013/Hearing Aid Compatibility Test (101x101x1):

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

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 40.30 V/m; Power Drift = 0.05 dB

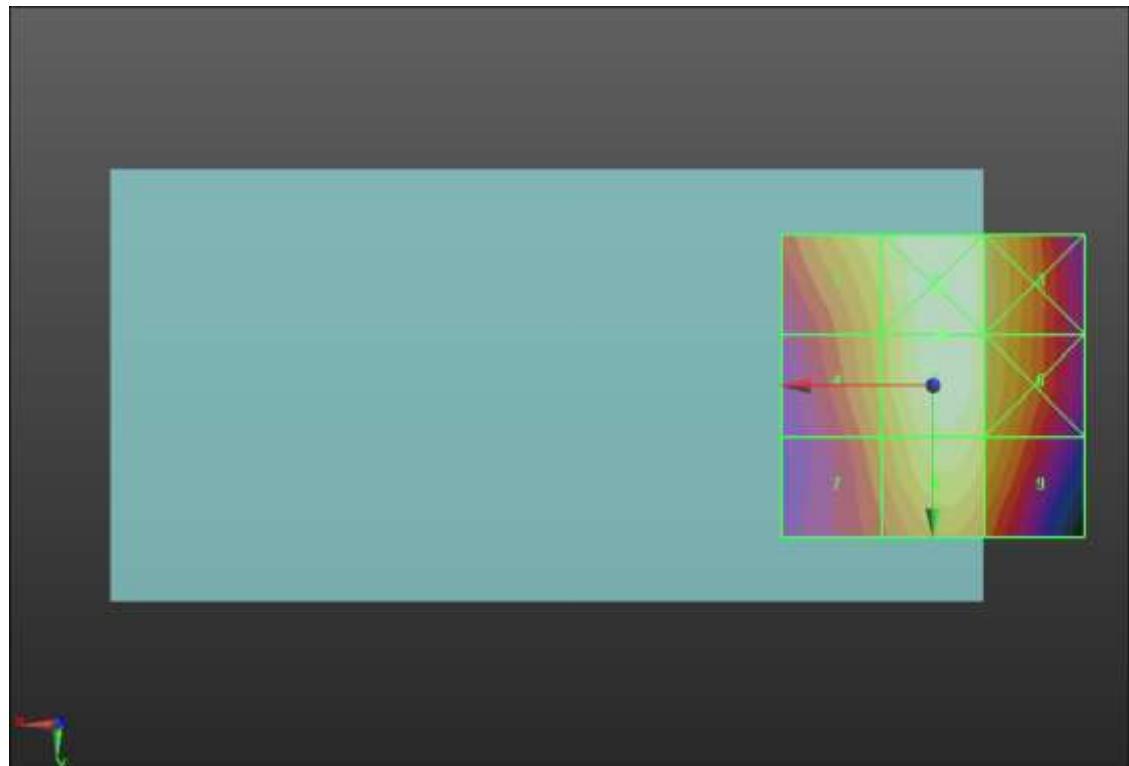
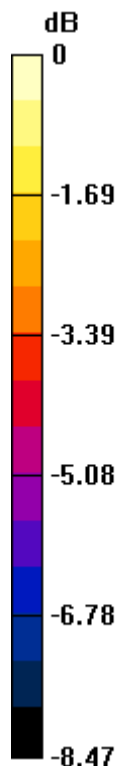
Applied MIF = 3.26 dB

RF audio interference level = 31.32 dBV/m

Emission category: **M4**

MIF scaled E-field

Grid 1 M4 30.36 dBV/m	Grid 2 M4 31.4 dBV/m	Grid 3 M4 30.65 dBV/m
Grid 4 M4 29.53 dBV/m	Grid 5 M4 31.32 dBV/m	Grid 6 M4 30.54 dBV/m
Grid 7 M4 28.8 dBV/m	Grid 8 M4 30.71 dBV/m	Grid 9 M4 29.93 dBV/m



0 dB = 37.17 V/m = 31.40 dBV/m

HAC-RF Emission

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

Phantom section: RF Section

DASY5 Configuration:

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

CDMA BC0 E-Field measurement/RC1_SO3_Ch 384/Hearing Aid Compatibility Test (101x101x1):

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

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 43.59 V/m; Power Drift = -0.04 dB

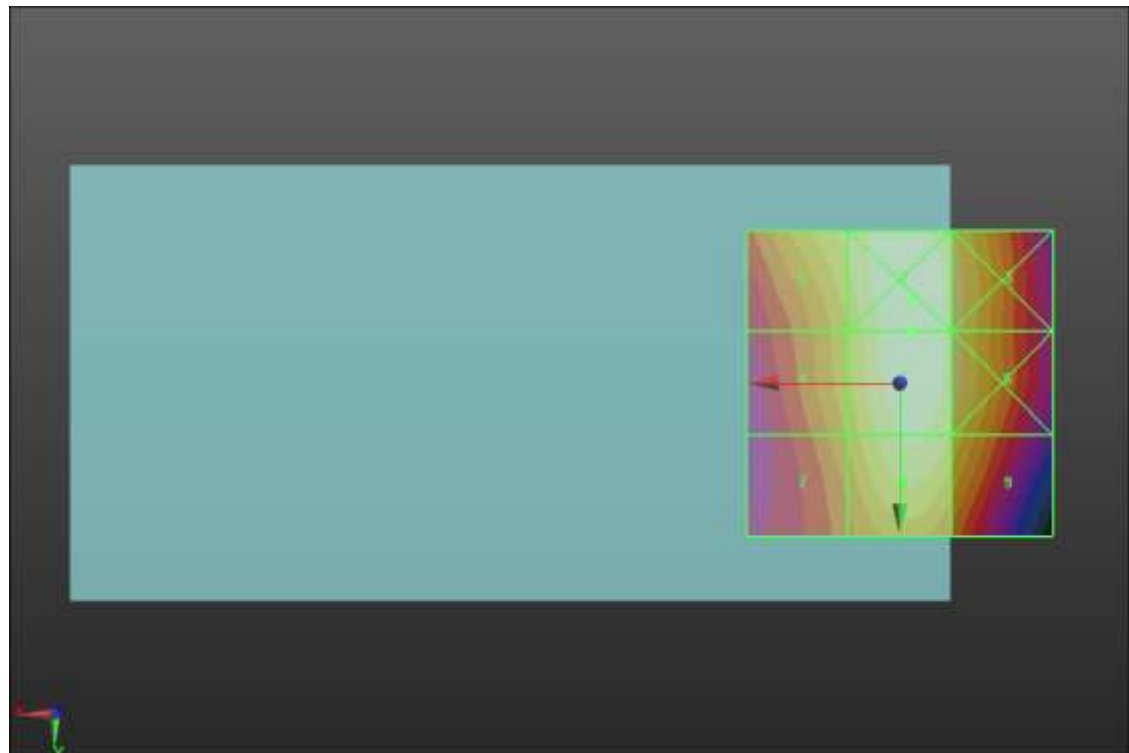
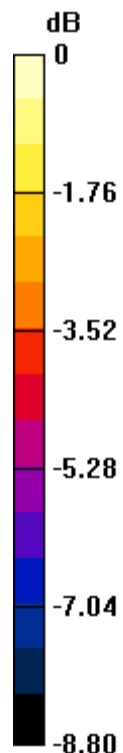
Applied MIF = 3.26 dB

RF audio interference level = 31.75 dBV/m

Emission category: **M4**

MIF scaled E-field

Grid 1 M4 30.82 dBV/m	Grid 2 M4 31.78 dBV/m	Grid 3 M4 31.02 dBV/m
Grid 4 M4 30.03 dBV/m	Grid 5 M4 31.75 dBV/m	Grid 6 M4 30.99 dBV/m
Grid 7 M4 29.54 dBV/m	Grid 8 M4 31.3 dBV/m	Grid 9 M4 30.49 dBV/m



0 dB = 38.83 V/m = 31.78 dBV/m

HAC-RF Emission

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

Phantom section: RF Section

DASY5 Configuration:

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

CDMA BC0 E-Field measurement/RC1_SO3_Ch 777/Hearing Aid Compatibility Test (101x101x1):

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

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 49.58 V/m; Power Drift = -0.19 dB

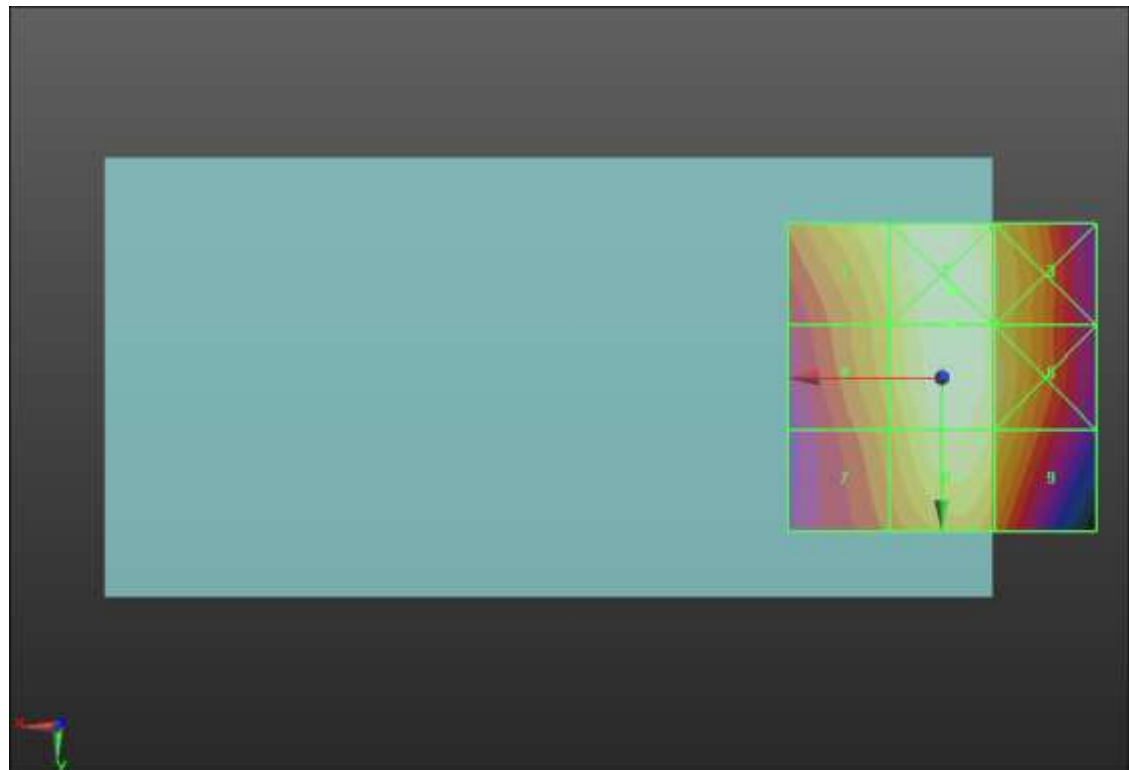
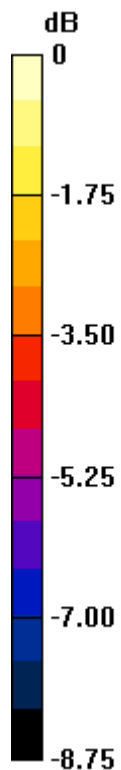
Applied MIF = 3.26 dB

RF audio interference level = 32.80 dBV/m

Emission category: **M4**

MIF scaled E-field

Grid 1 M4 31.89 dBV/m	Grid 2 M4 32.84 dBV/m	Grid 3 M4 31.87 dBV/m
Grid 4 M4 31.13 dBV/m	Grid 5 M4 32.8 dBV/m	Grid 6 M4 32.02 dBV/m
Grid 7 M4 30.44 dBV/m	Grid 8 M4 32.36 dBV/m	Grid 9 M4 31.57 dBV/m



0 dB = 43.87 V/m = 32.84 dBV/m

HAC-RF Emission

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

Phantom section: RF Section

DASY5 Configuration:

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

CDMA BC1 E-Field measurement/RC1_SO3_Ch 25/Hearing Aid Compatibility Test (101x101x1):

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

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 16.59 V/m; Power Drift = -0.09 dB

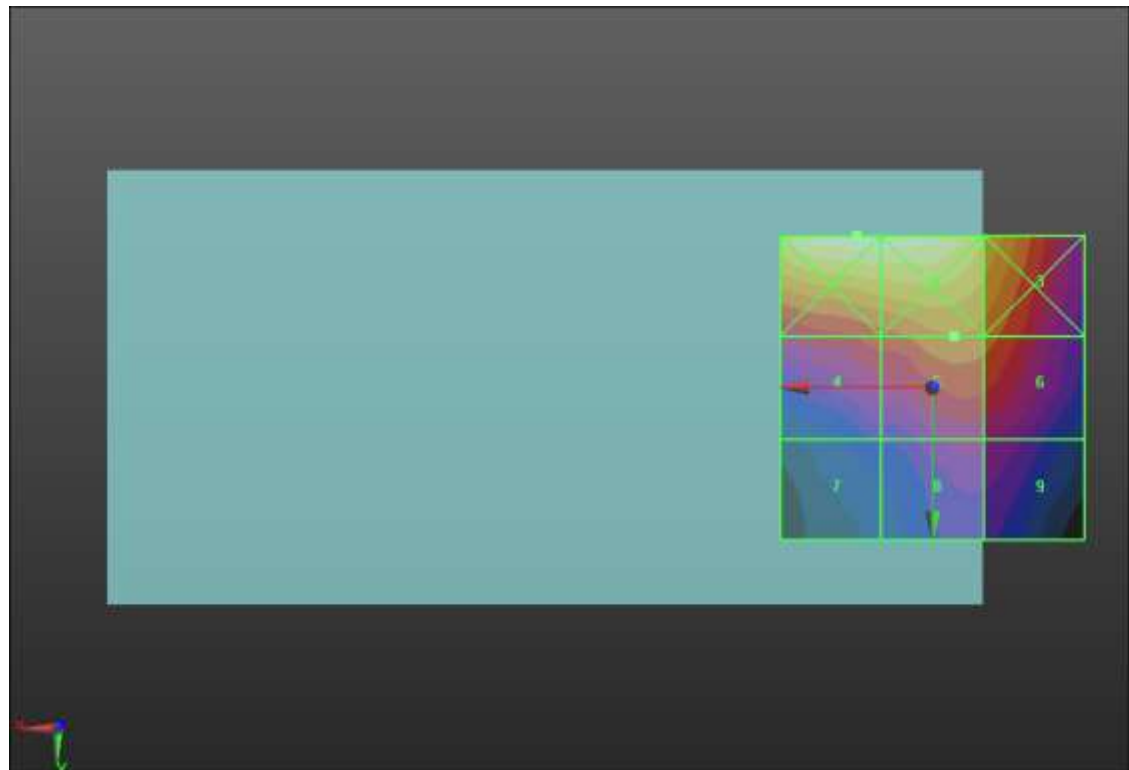
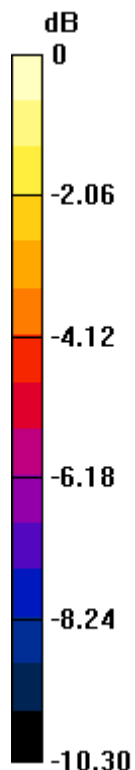
Applied MIF = 3.26 dB

RF audio interference level = 25.74 dBV/m

Emission category: **M4**

MIF scaled E-field

Grid 1 M4 29.19 dBV/m	Grid 2 M4 29.16 dBV/m	Grid 3 M4 27.22 dBV/m
Grid 4 M4 24.82 dBV/m	Grid 5 M4 25.74 dBV/m	Grid 6 M4 25.44 dBV/m
Grid 7 M4 21.75 dBV/m	Grid 8 M4 23.34 dBV/m	Grid 9 M4 23.18 dBV/m



0 dB = 28.82 V/m = 29.19 dBV/m

HAC-RF Emission

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

Phantom section: RF Section

DASY5 Configuration:

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

CDMA BC1 E-Field measurement/RC1_SO3_Ch 600/Hearing Aid Compatibility Test (101x101x1):

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

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 14.70 V/m; Power Drift = 0.15 dB

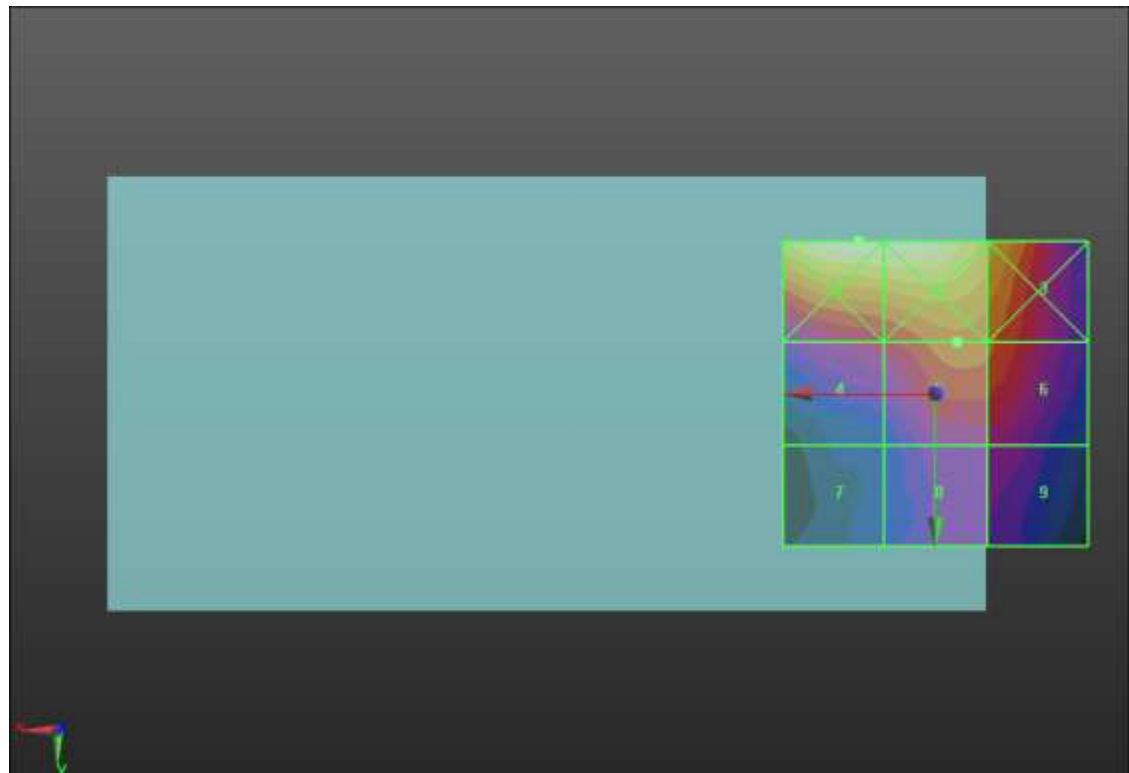
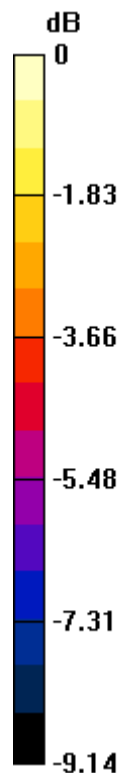
Applied MIF = 3.26 dB

RF audio interference level = 24.61 dBV/m

Emission category: **M4**

MIF scaled E-field

Grid 1 M4 27.85 dBV/m	Grid 2 M4 27.82 dBV/m	Grid 3 M4 25.83 dBV/m
Grid 4 M4 23.35 dBV/m	Grid 5 M4 24.61 dBV/m	Grid 6 M4 24.38 dBV/m
Grid 7 M4 20.73 dBV/m	Grid 8 M4 22.48 dBV/m	Grid 9 M4 22.48 dBV/m



0 dB = 24.69 V/m = 27.85 dBV/m

HAC-RF Emission

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

Phantom section: RF Section

DASY5 Configuration:

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

CDMA BC1 E-Field measurement/RC1_SO3_Ch 1175/Hearing Aid Compatibility Test (101x101x1):

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

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 14.04 V/m; Power Drift = -0.07 dB

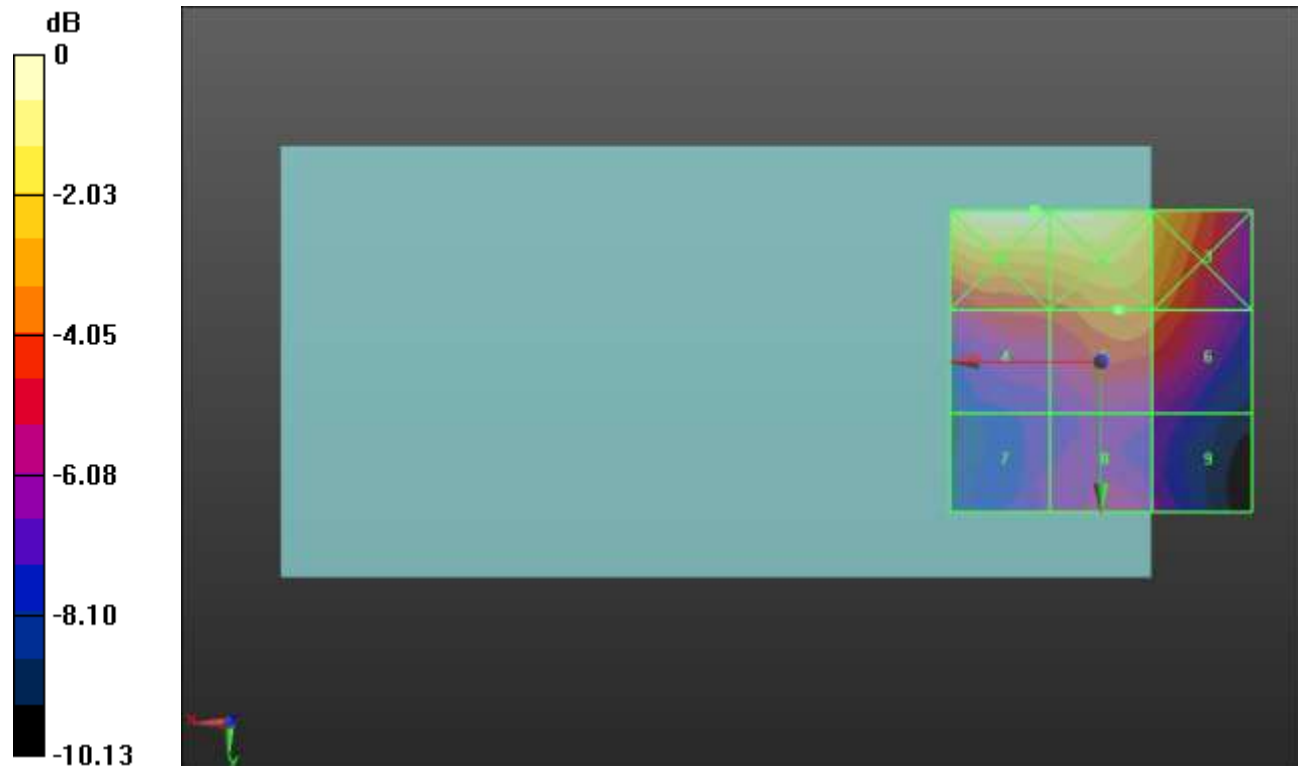
Applied MIF = 3.26 dB

RF audio interference level = 24.16 dBV/m

Emission category: **M4**

MIF scaled E-field

Grid 1 M4 27.42 dBV/m	Grid 2 M4 27.35 dBV/m	Grid 3 M4 25.49 dBV/m
Grid 4 M4 23.02 dBV/m	Grid 5 M4 24.16 dBV/m	Grid 6 M4 23.78 dBV/m
Grid 7 M4 20.85 dBV/m	Grid 8 M4 21.84 dBV/m	Grid 9 M4 21.14 dBV/m



0 dB = 23.49 V/m = 27.42 dBV/m

HAC-RF Emission

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

Phantom section: RF Section

DASY5 Configuration:

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

CDMA BC10 E-Field measurement/RC1_SO3_ch 450/Hearing Aid Compatibility Test (101x101x1):

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

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 39.44 V/m; Power Drift = -0.01 dB

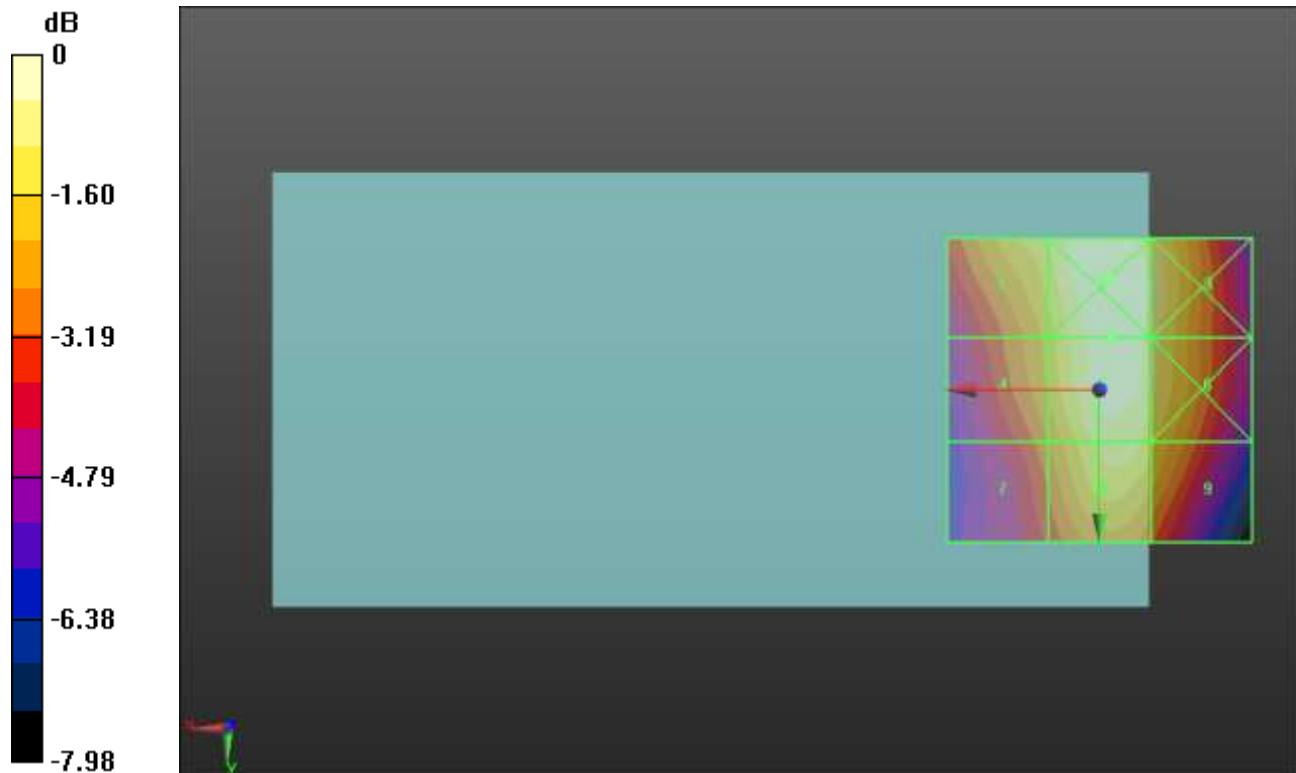
Applied MIF = 3.26 dB

RF audio interference level = 31.15 dBV/m

Emission category: **M4**

MIF scaled E-field

Grid 1 M4 30.3 dBV/m	Grid 2 M4 31.27 dBV/m	Grid 3 M4 30.71 dBV/m
Grid 4 M4 29.37 dBV/m	Grid 5 M4 31.15 dBV/m	Grid 6 M4 30.49 dBV/m
Grid 7 M4 28.59 dBV/m	Grid 8 M4 30.52 dBV/m	Grid 9 M4 29.84 dBV/m



0 dB = 36.60 V/m = 31.27 dBV/m

HAC-RF Emission

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

Phantom section: RF Section

DASY5 Configuration:

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

CDMA BC10 E-Field measurement/RC1_SO3_ch 560/Hearing Aid Compatibility Test (101x101x1):

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

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 38.67 V/m; Power Drift = 0.01 dB

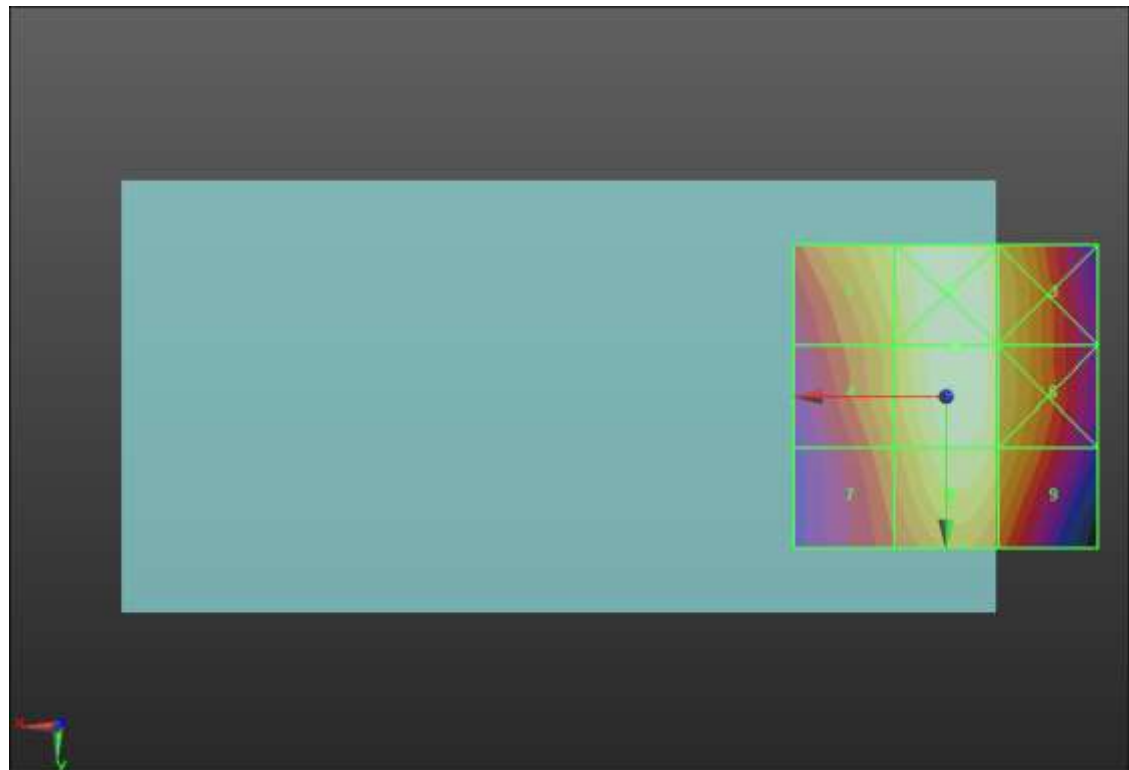
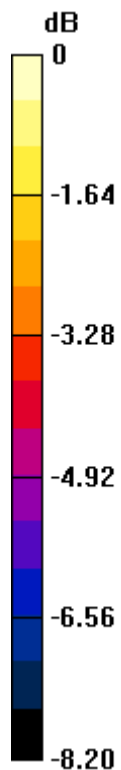
Applied MIF = 3.26 dB

RF audio interference level = 30.80 dBV/m

Emission category: **M4**

MIF scaled E-field

Grid 1 M4 29.92 dBV/m	Grid 2 M4 30.85 dBV/m	Grid 3 M4 29.97 dBV/m
Grid 4 M4 29.16 dBV/m	Grid 5 M4 30.8 dBV/m	Grid 6 M4 29.96 dBV/m
Grid 7 M4 28.46 dBV/m	Grid 8 M4 30.29 dBV/m	Grid 9 M4 29.52 dBV/m



0 dB = 34.86 V/m = 30.85 dBV/m

HAC-RF Emission

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

Phantom section: RF Section

DASY5 Configuration:

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

CDMA BC10 E-Field measurement/RC1_SO3_ch 670/Hearing Aid Compatibility Test (101x101x1):

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

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 38.26 V/m; Power Drift = 0.06 dB

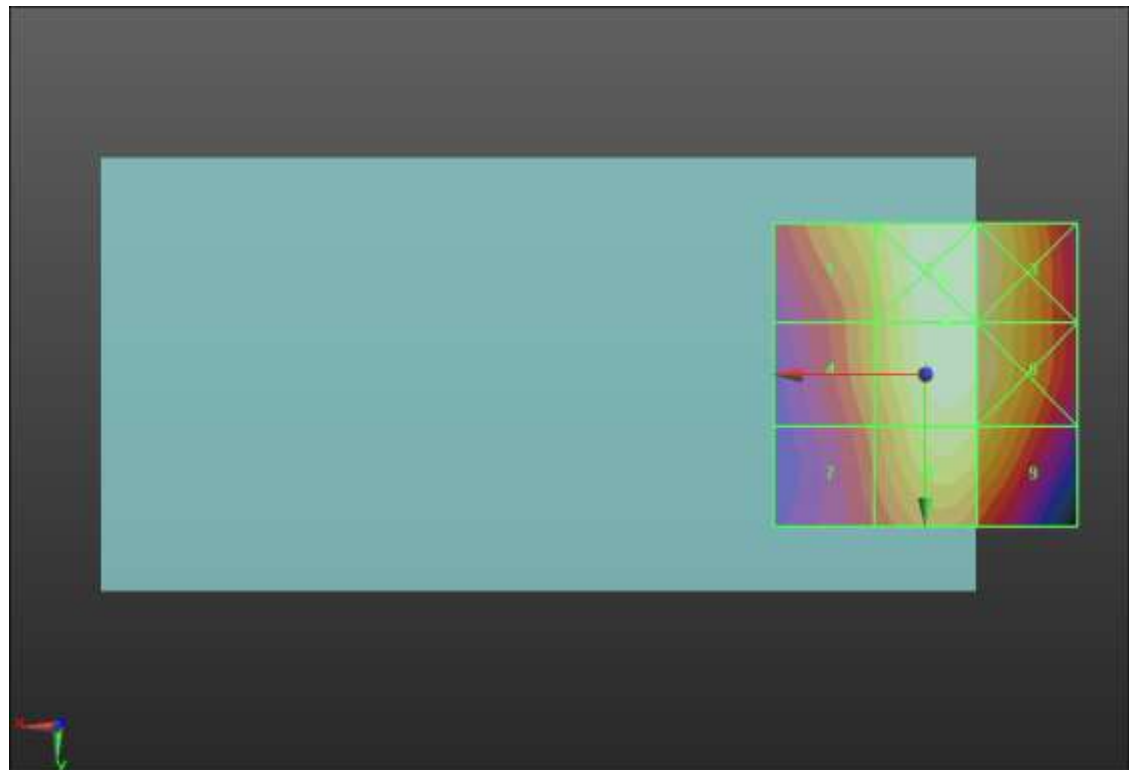
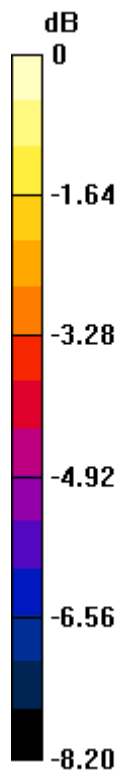
Applied MIF = 3.26 dB

RF audio interference level = 30.91 dBV/m

Emission category: **M4**

MIF scaled E-field

Grid 1 M4 29.62 dBV/m	Grid 2 M4 30.99 dBV/m	Grid 3 M4 30.64 dBV/m
Grid 4 M4 28.84 dBV/m	Grid 5 M4 30.91 dBV/m	Grid 6 M4 30.48 dBV/m
Grid 7 M4 28.08 dBV/m	Grid 8 M4 30.28 dBV/m	Grid 9 M4 29.83 dBV/m



0 dB = 35.42 V/m = 30.98 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 = 26.43 V/m; Power Drift = 0.17 dB

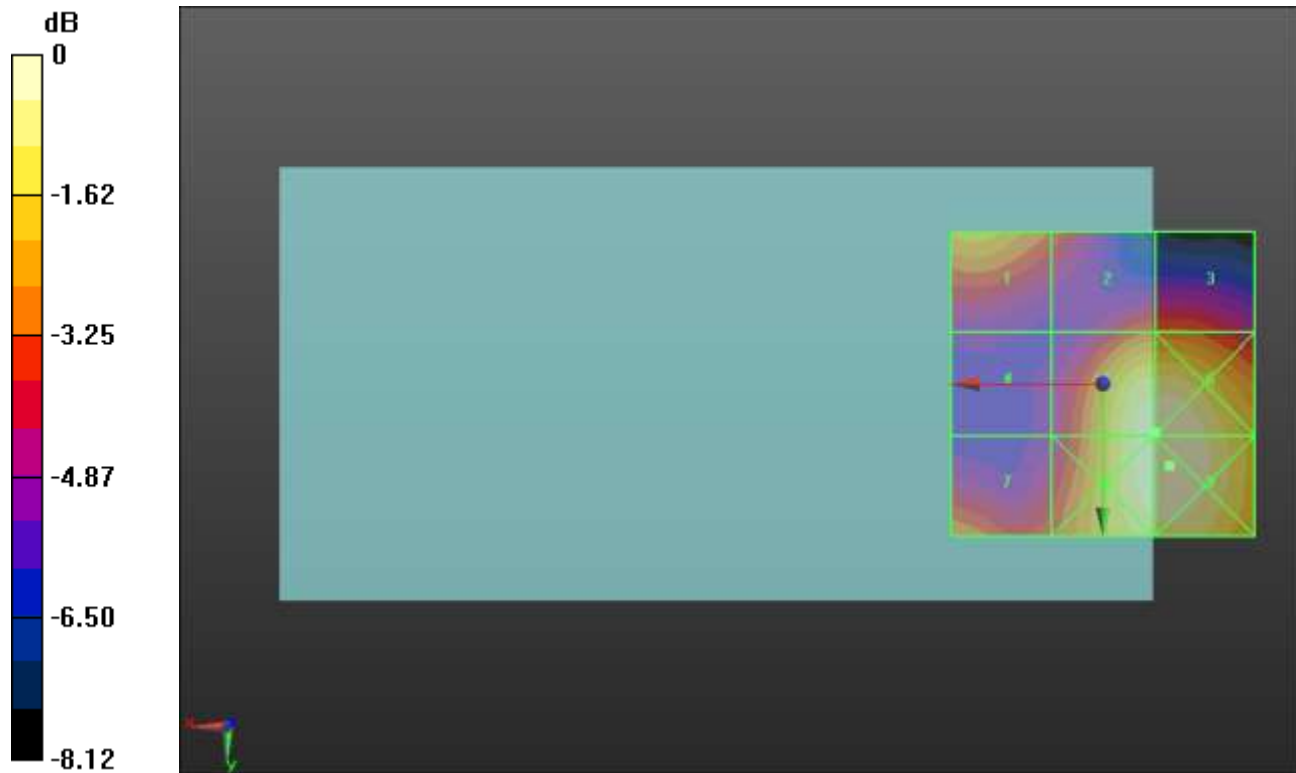
Applied MIF = -1.44 dB

RF audio interference level = 25.44 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 23.8 dBV/m	Grid 2 M4 22.48 dBV/m	Grid 3 M4 22.54 dBV/m
Grid 4 M4 20.83 dBV/m	Grid 5 M4 25.44 dBV/m	Grid 6 M4 25.52 dBV/m
Grid 7 M4 23.02 dBV/m	Grid 8 M4 25.48 dBV/m	Grid 9 M4 25.6 dBV/m



0 dB = 19.05 V/m = 25.60 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 = 21.64 V/m; Power Drift = 0.07 dB

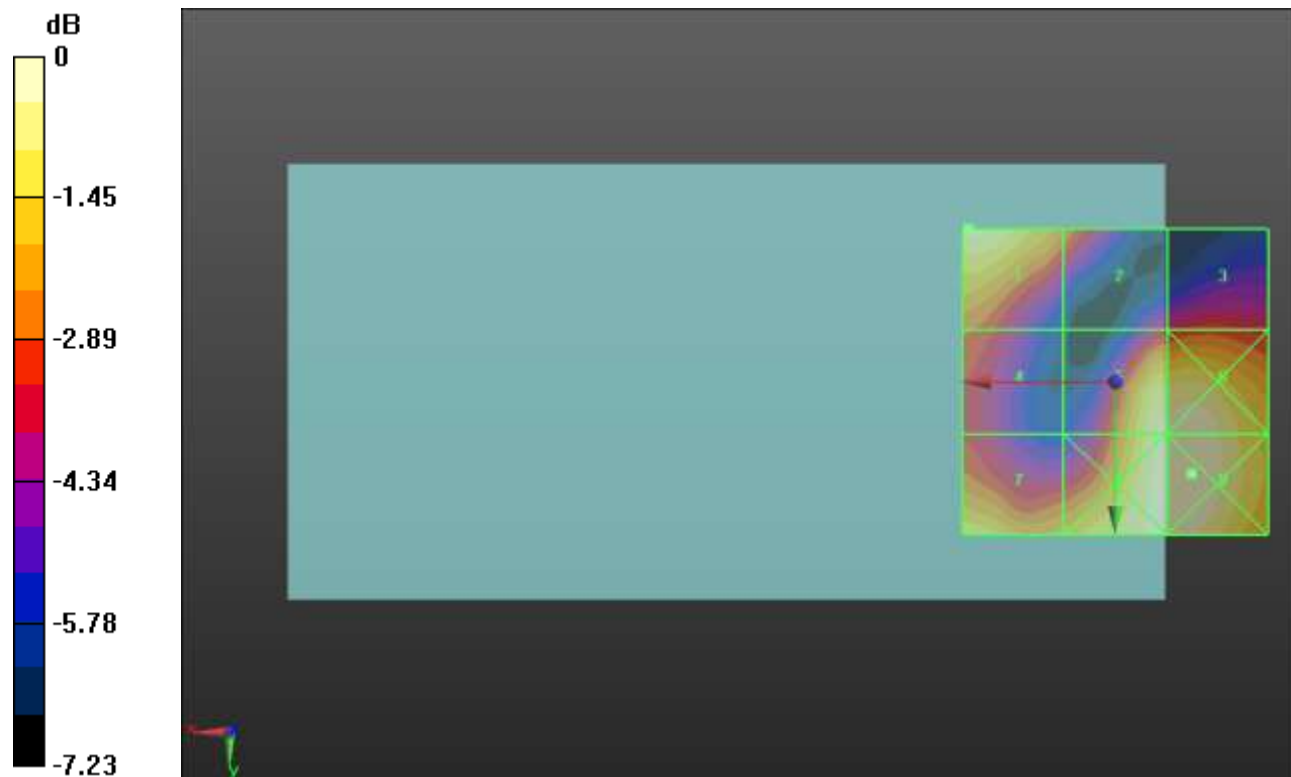
Applied MIF = -1.44 dB

RF audio interference level = 23.67 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 23.67 dBV/m	Grid 2 M4 21.61 dBV/m	Grid 3 M4 20.89 dBV/m
Grid 4 M4 21.17 dBV/m	Grid 5 M4 23.65 dBV/m	Grid 6 M4 23.82 dBV/m
Grid 7 M4 23.04 dBV/m	Grid 8 M4 23.82 dBV/m	Grid 9 M4 23.98 dBV/m



0 dB = 15.80 V/m = 23.97 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 = 21.67 V/m; Power Drift = -0.18 dB

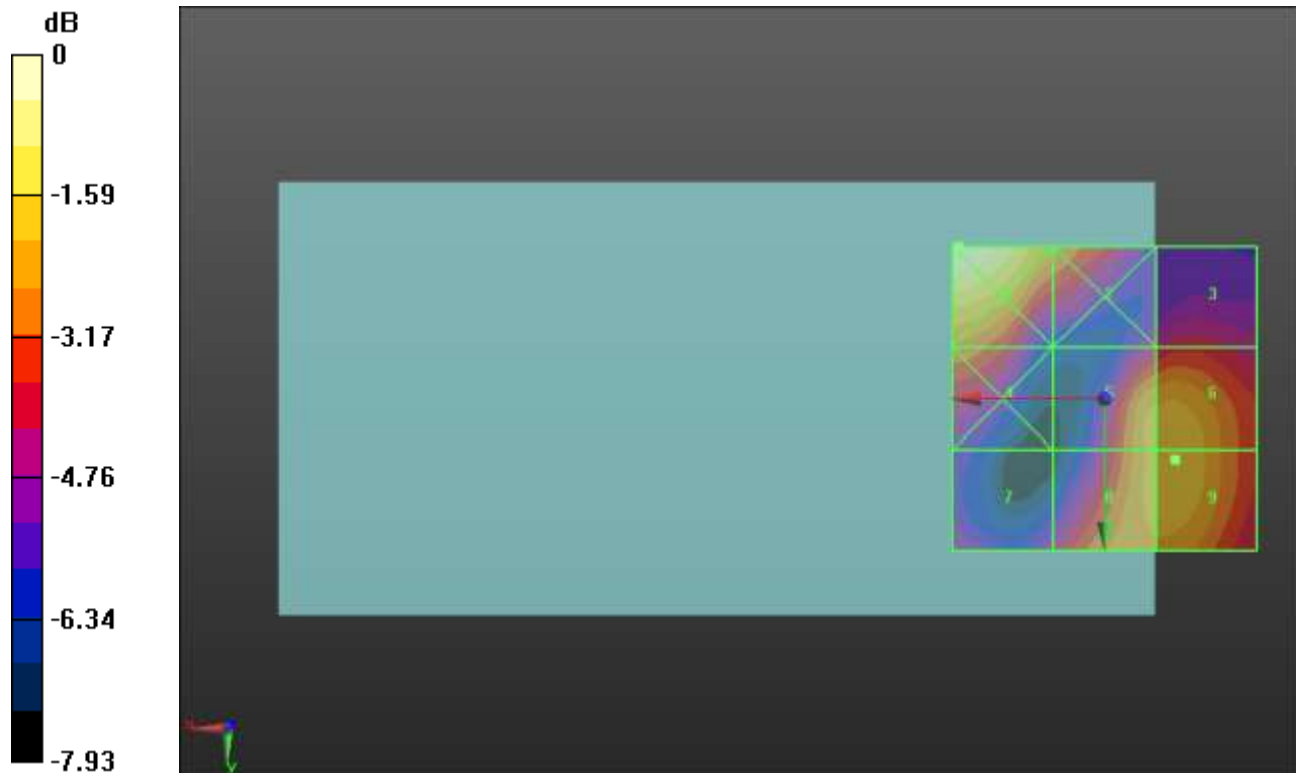
Applied MIF = -1.44 dB

RF audio interference level = 22.74 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 24.39 dBV/m	Grid 2 M4 22.05 dBV/m	Grid 3 M4 20.54 dBV/m
Grid 4 M4 21.67 dBV/m	Grid 5 M4 22.58 dBV/m	Grid 6 M4 22.73 dBV/m
Grid 7 M4 19.91 dBV/m	Grid 8 M4 22.56 dBV/m	Grid 9 M4 22.74 dBV/m



0 dB = 16.58 V/m = 24.39 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 = 18.41 V/m; Power Drift = -0.16 dB

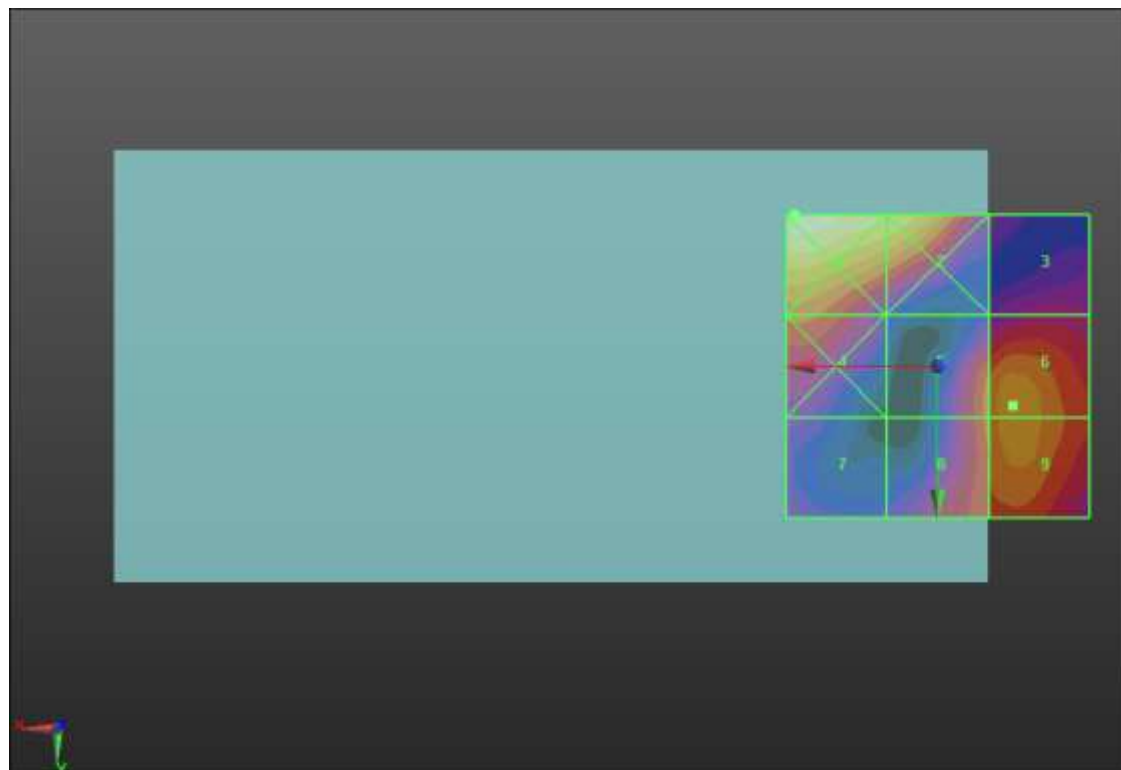
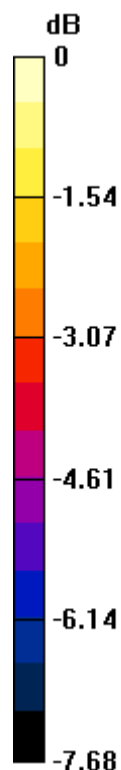
Applied MIF = -1.44 dB

RF audio interference level = 20.91 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 23.16 dBV/m	Grid 2 M4 22.29 dBV/m	Grid 3 M4 18.85 dBV/m
Grid 4 M4 20.29 dBV/m	Grid 5 M4 20.37 dBV/m	Grid 6 M4 20.91 dBV/m
Grid 7 M4 18.64 dBV/m	Grid 8 M4 20.31 dBV/m	Grid 9 M4 20.88 dBV/m



0 dB = 14.38 V/m = 23.16 dBV/m

HAC-RF Emission

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

Phantom section: RF Section

DASY5 Configuration:

- Probe: EF3DV3 - SN4041; ConvF(1, 1, 1) @ 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 = 16.85 V/m; Power Drift = -0.38 dB

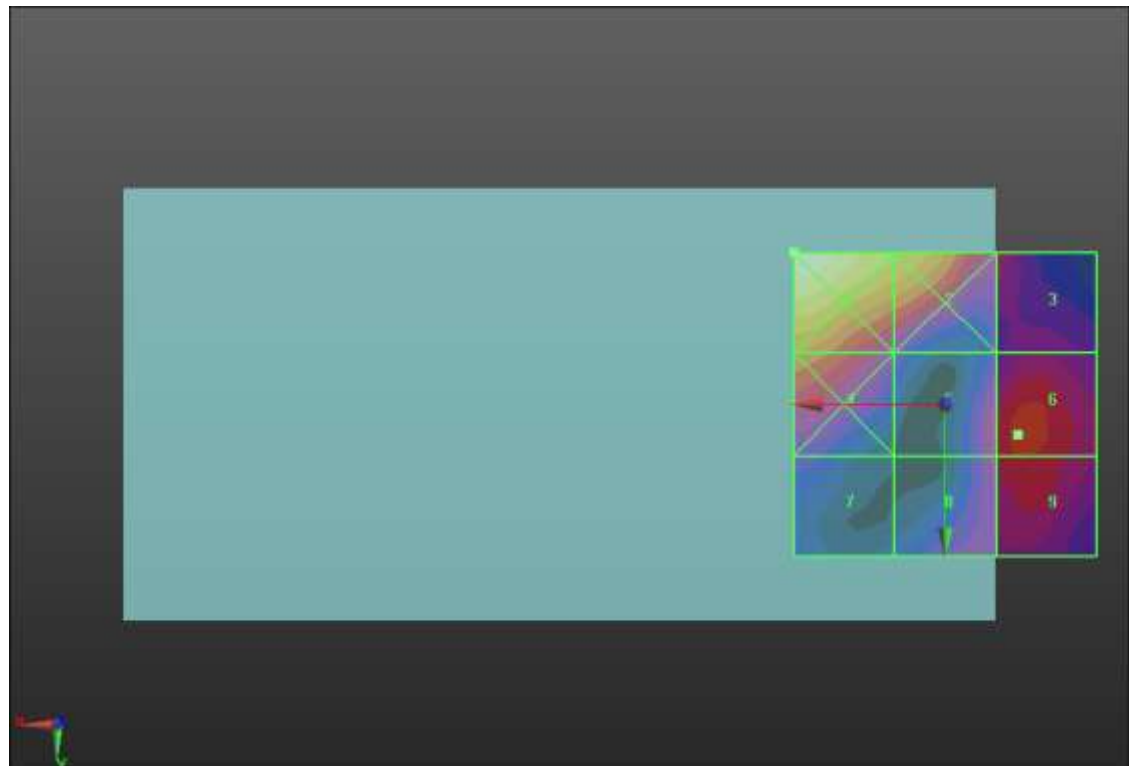
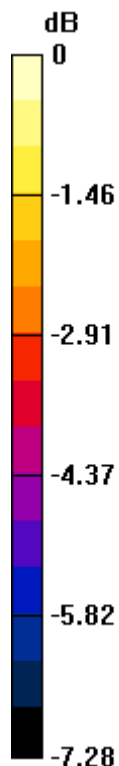
Applied MIF = -1.44 dB

RF audio interference level = 20.25 dBV/m

Emission category: **M4**

MIF scaled E-field

Grid 1 M4 23.48 dBV/m	Grid 2 M4 22.15 dBV/m	Grid 3 M4 19.51 dBV/m
Grid 4 M4 21.05 dBV/m	Grid 5 M4 19.64 dBV/m	Grid 6 M4 20.25 dBV/m
Grid 7 M4 18.48 dBV/m	Grid 8 M4 19.53 dBV/m	Grid 9 M4 20.13 dBV/m



0 dB = 14.93 V/m = 23.48 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 = 20.02 V/m; Power Drift = -0.27 dB

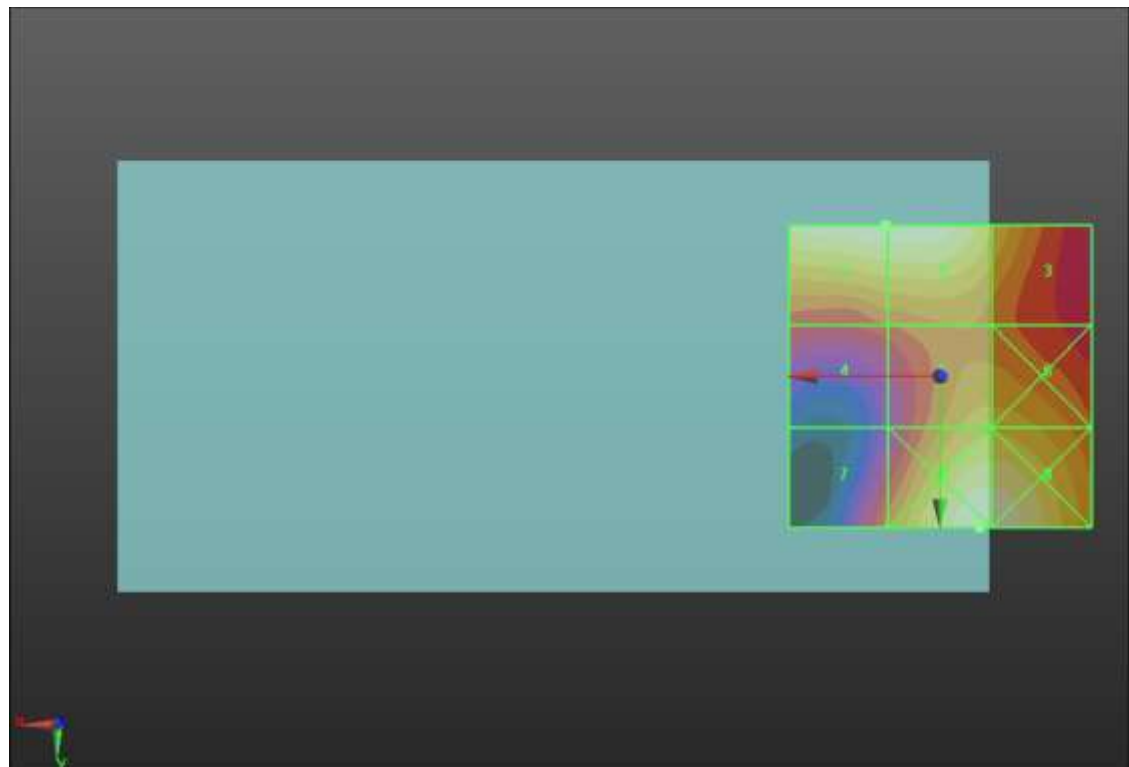
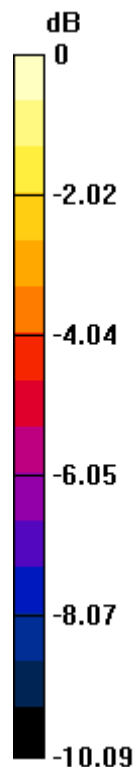
Applied MIF = 3.63 dB

RF audio interference level = 30.66 dBV/m

Emission category: M3

MIF scaled E-field

Grid 1 M3 30.66 dBV/m	Grid 2 M3 30.66 dBV/m	Grid 3 M4 28.73 dBV/m
Grid 4 M4 26.64 dBV/m	Grid 5 M4 28.5 dBV/m	Grid 6 M4 28.5 dBV/m
Grid 7 M4 27.09 dBV/m	Grid 8 M3 30.66 dBV/m	Grid 9 M3 30.6 dBV/m



0 dB = 34.13 V/m = 30.66 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 = 19.70 V/m; Power Drift = 0.02 dB

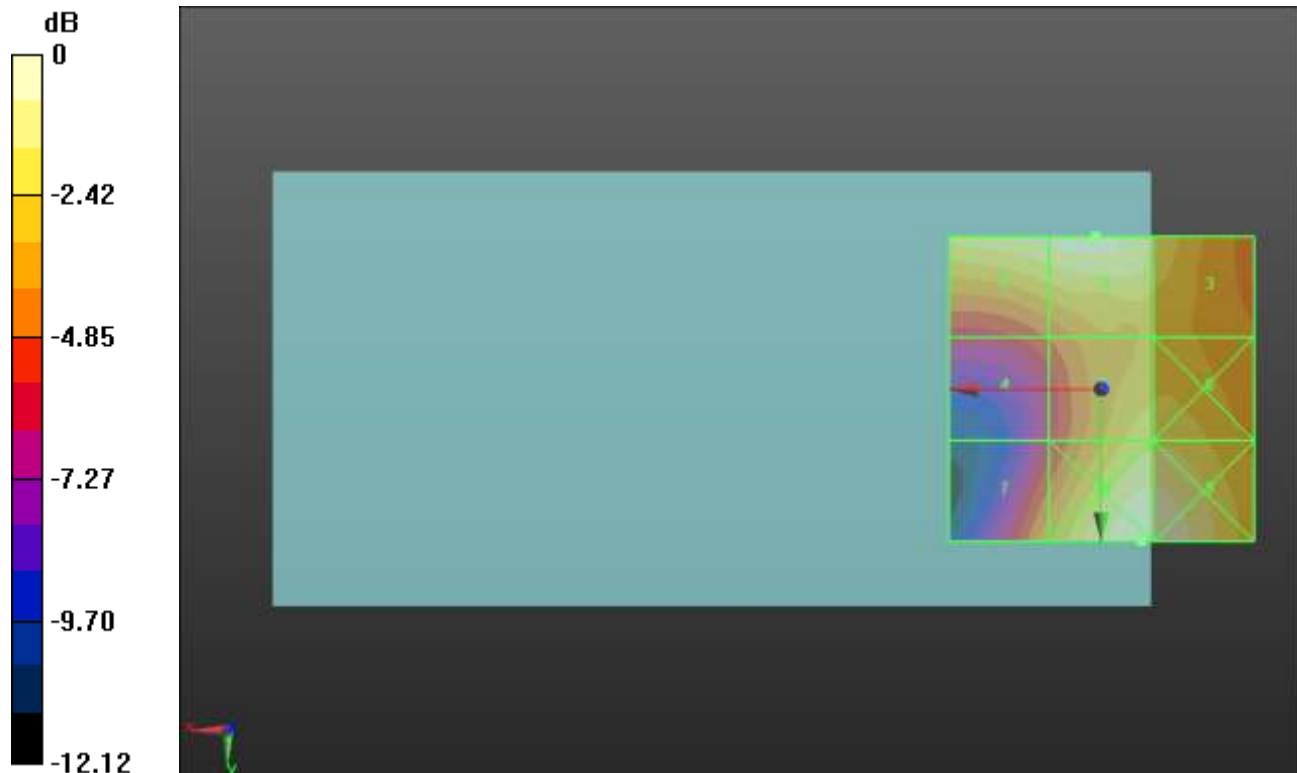
Applied MIF = 3.63 dB

RF audio interference level = 30.37 dBV/m

Emission category: M3

MIF scaled E-field

Grid 1 M4 29.86 dBV/m	Grid 2 M3 30.37 dBV/m	Grid 3 M4 28.76 dBV/m
Grid 4 M4 25.67 dBV/m	Grid 5 M4 28.61 dBV/m	Grid 6 M4 28.65 dBV/m
Grid 7 M4 27.14 dBV/m	Grid 8 M3 30.38 dBV/m	Grid 9 M3 30.29 dBV/m



0 dB = 33.05 V/m = 30.38 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 = 19.85 V/m; Power Drift = -0.19 dB

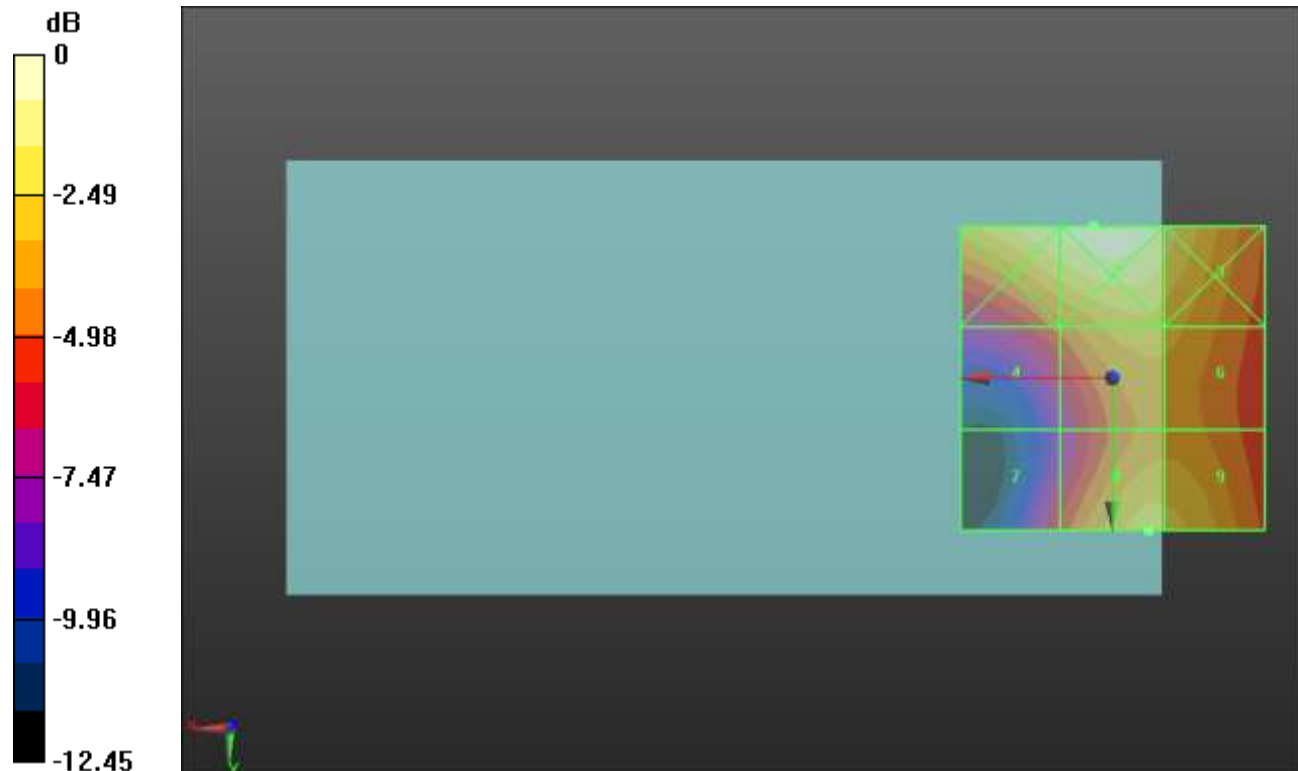
Applied MIF = 3.63 dB

RF audio interference level = 28.69 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M3 30.31 dBV/m	Grid 2 M3 30.74 dBV/m	Grid 3 M4 29.57 dBV/m
Grid 4 M4 26.21 dBV/m	Grid 5 M4 28 dBV/m	Grid 6 M4 27.81 dBV/m
Grid 7 M4 25.29 dBV/m	Grid 8 M4 28.69 dBV/m	Grid 9 M4 28.56 dBV/m



0 dB = 34.45 V/m = 30.74 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 = 22.66 V/m; Power Drift = -0.30 dB

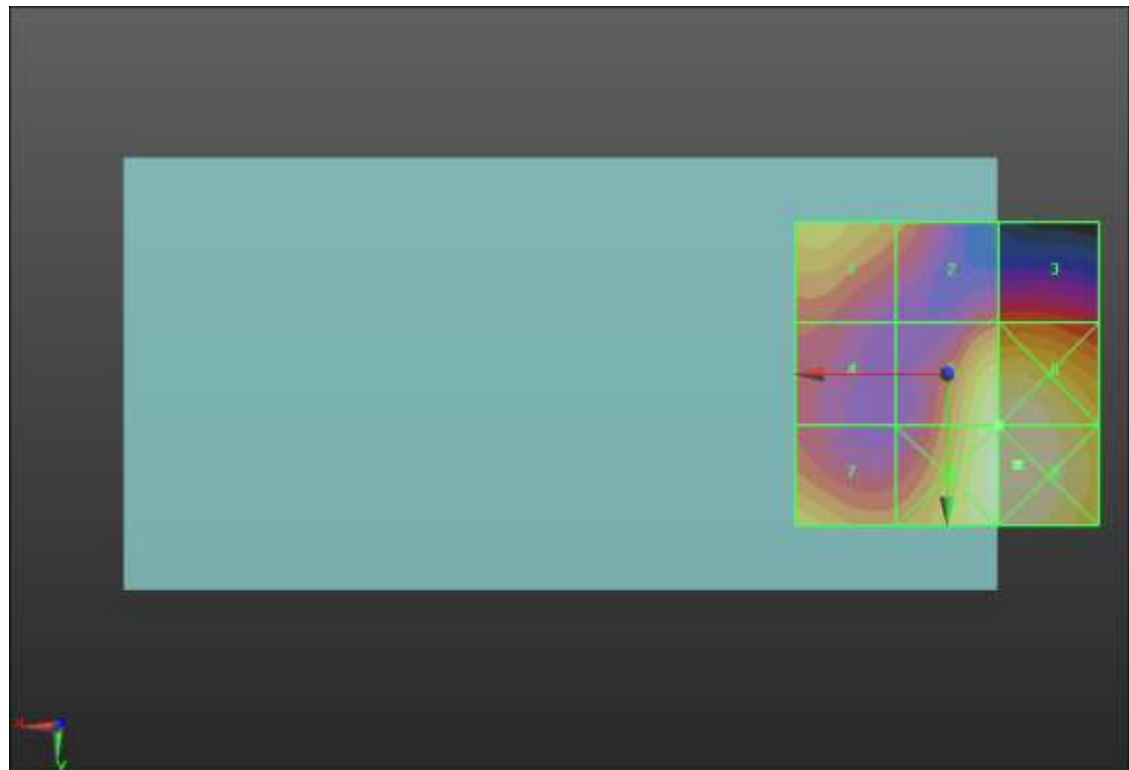
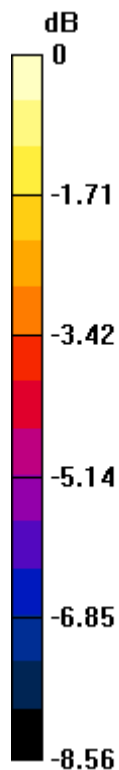
Applied MIF = -1.44 dB

RF audio interference level = 24.80 dBV/m

Emission category: **M4**

MIF scaled E-field

Grid 1 M4 23.35 dBV/m	Grid 2 M4 22.1 dBV/m	Grid 3 M4 21.86 dBV/m
Grid 4 M4 21.4 dBV/m	Grid 5 M4 24.8 dBV/m	Grid 6 M4 25.05 dBV/m
Grid 7 M4 23.72 dBV/m	Grid 8 M4 24.98 dBV/m	Grid 9 M4 25.23 dBV/m



0 dB = 18.25 V/m = 25.23 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 = 21.24 V/m; Power Drift = -0.07 dB

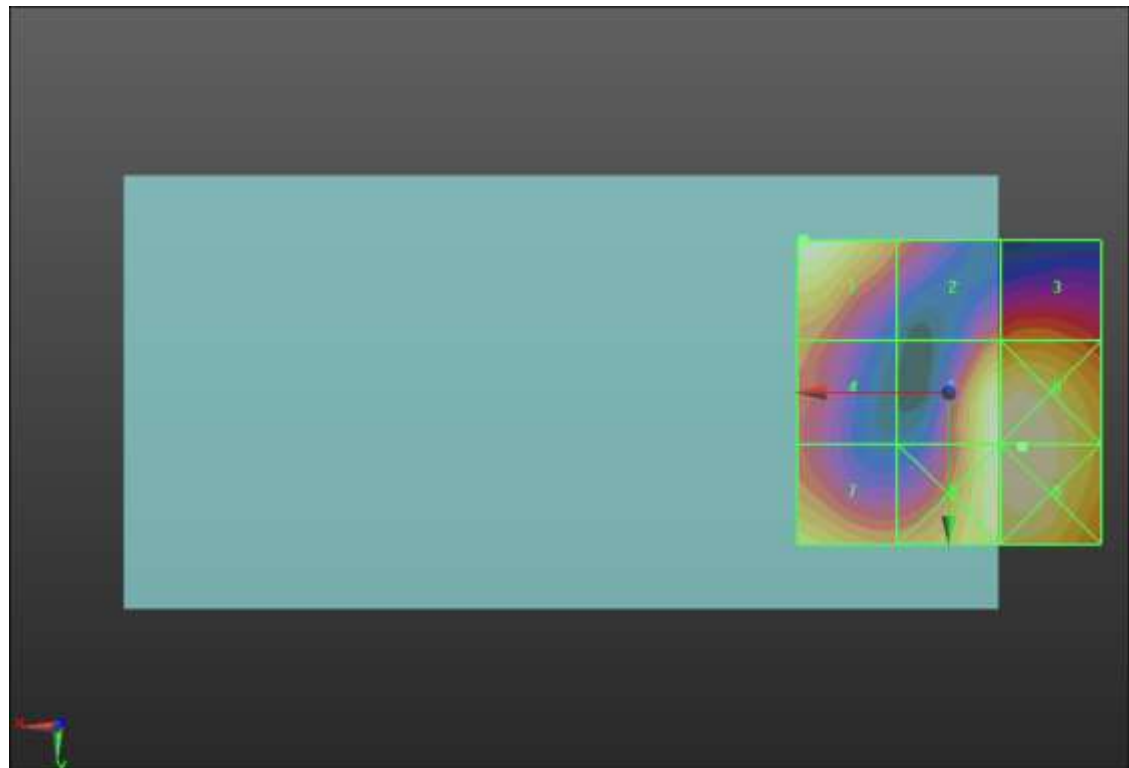
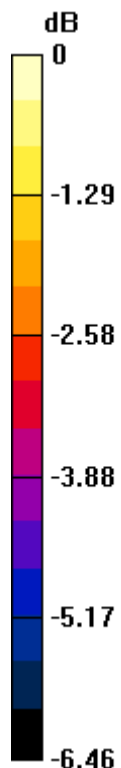
Applied MIF = -1.44 dB

RF audio interference level = 24.08 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 24.08 dBV/m	Grid 2 M4 21.73 dBV/m	Grid 3 M4 22.04 dBV/m
Grid 4 M4 21.76 dBV/m	Grid 5 M4 23.85 dBV/m	Grid 6 M4 24.1 dBV/m
Grid 7 M4 23.27 dBV/m	Grid 8 M4 23.82 dBV/m	Grid 9 M4 24.1 dBV/m



0 dB = 16.03 V/m = 24.10 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 = 22.12 V/m; Power Drift = -0.07 dB

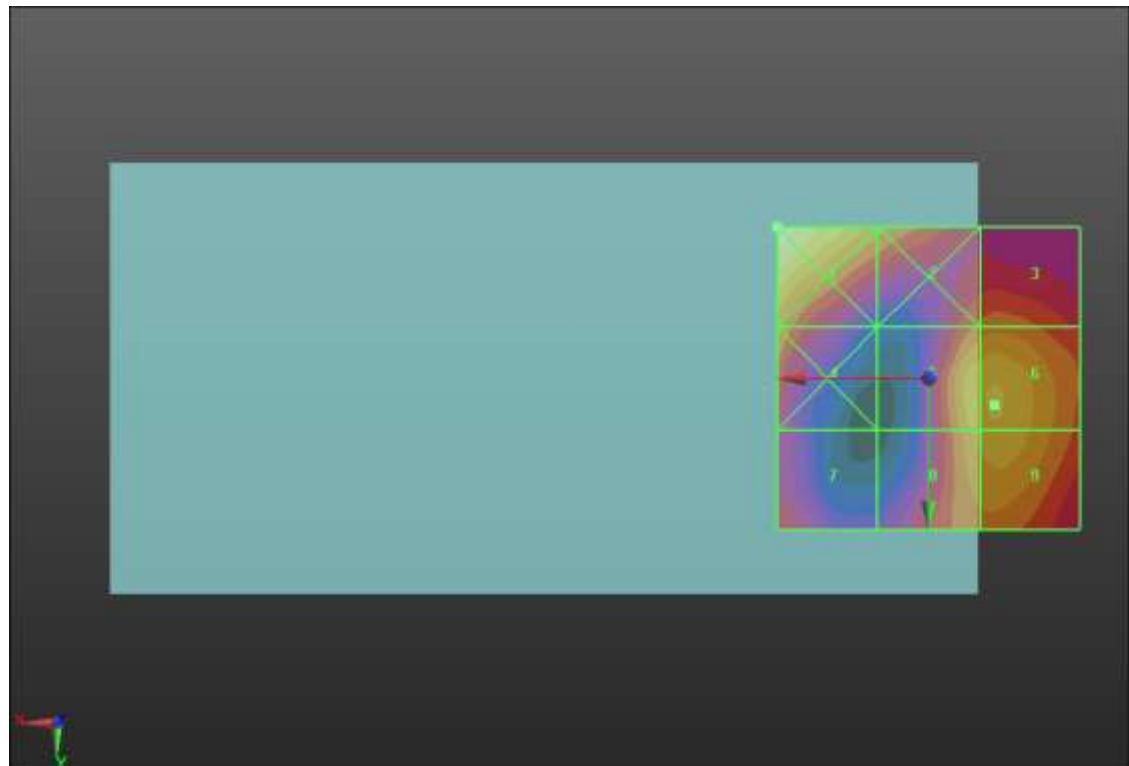
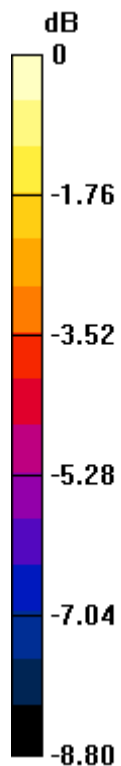
Applied MIF = -1.44 dB

RF audio interference level = 23.27 dBV/m

Emission category: **M4**

MIF scaled E-field

Grid 1 M4 24.93 dBV/m	Grid 2 M4 22.33 dBV/m	Grid 3 M4 21.86 dBV/m
Grid 4 M4 22.28 dBV/m	Grid 5 M4 23.11 dBV/m	Grid 6 M4 23.27 dBV/m
Grid 7 M4 21 dBV/m	Grid 8 M4 22.83 dBV/m	Grid 9 M4 23.08 dBV/m



0 dB = 17.65 V/m = 24.93 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 = 9.880 V/m; Power Drift = -0.07 dB

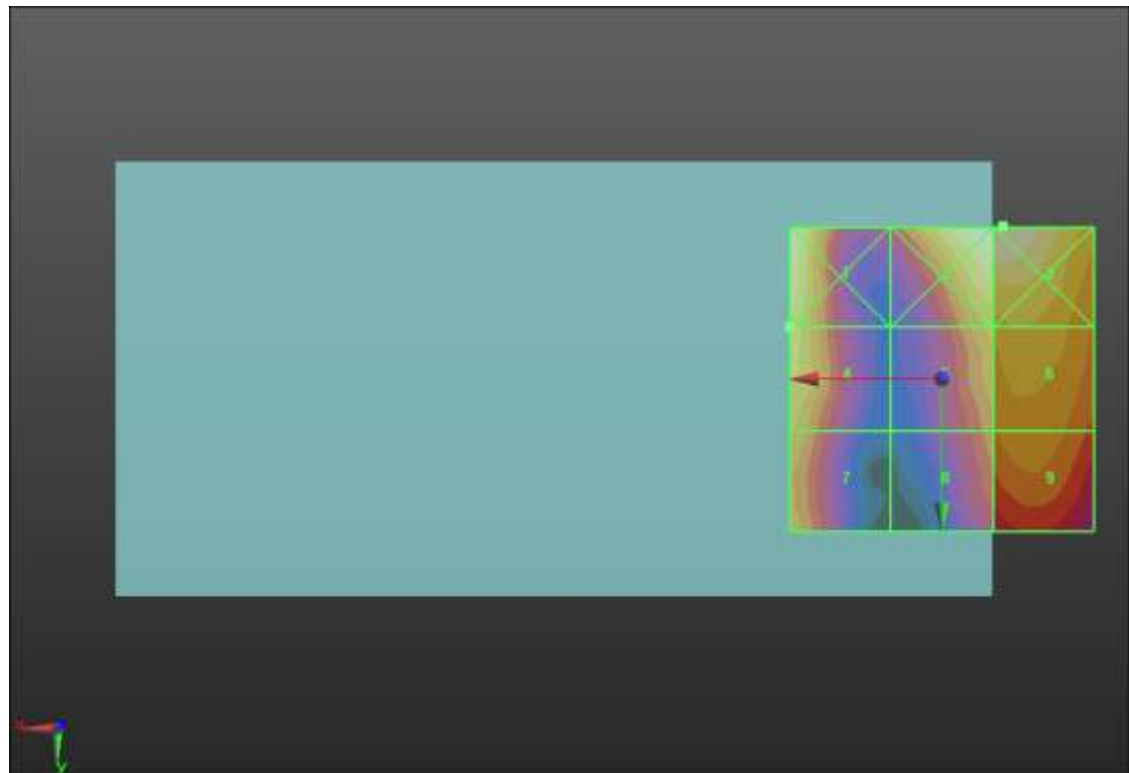
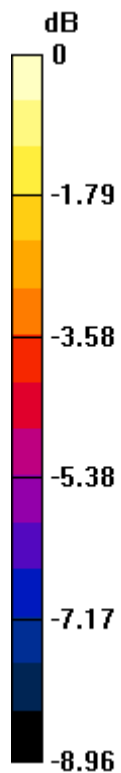
Applied MIF = -1.44 dB

RF audio interference level = 20.67 dBV/m

Emission category: **M4**

MIF scaled E-field

Grid 1 M4 21.77 dBV/m	Grid 2 M4 21.82 dBV/m	Grid 3 M4 21.84 dBV/m
Grid 4 M4 20.67 dBV/m	Grid 5 M4 19.72 dBV/m	Grid 6 M4 20.06 dBV/m
Grid 7 M4 19.61 dBV/m	Grid 8 M4 18.75 dBV/m	Grid 9 M4 19.2 dBV/m



0 dB = 12.37 V/m = 21.85 dBV/m

HAC-RF Emission

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

Phantom section: RF Section

DASY5 Configuration:

- Probe: EF3DV3 - SN4041; ConvF(1, 1, 1) @ 2680 MHz; Calibrated: 3/22/2019
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1352; Calibrated: 11/6/2018
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.10 (2);SEMCAD X Version 14.6.12 (7450)

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

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

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 8.651 V/m; Power Drift = -0.27 dB

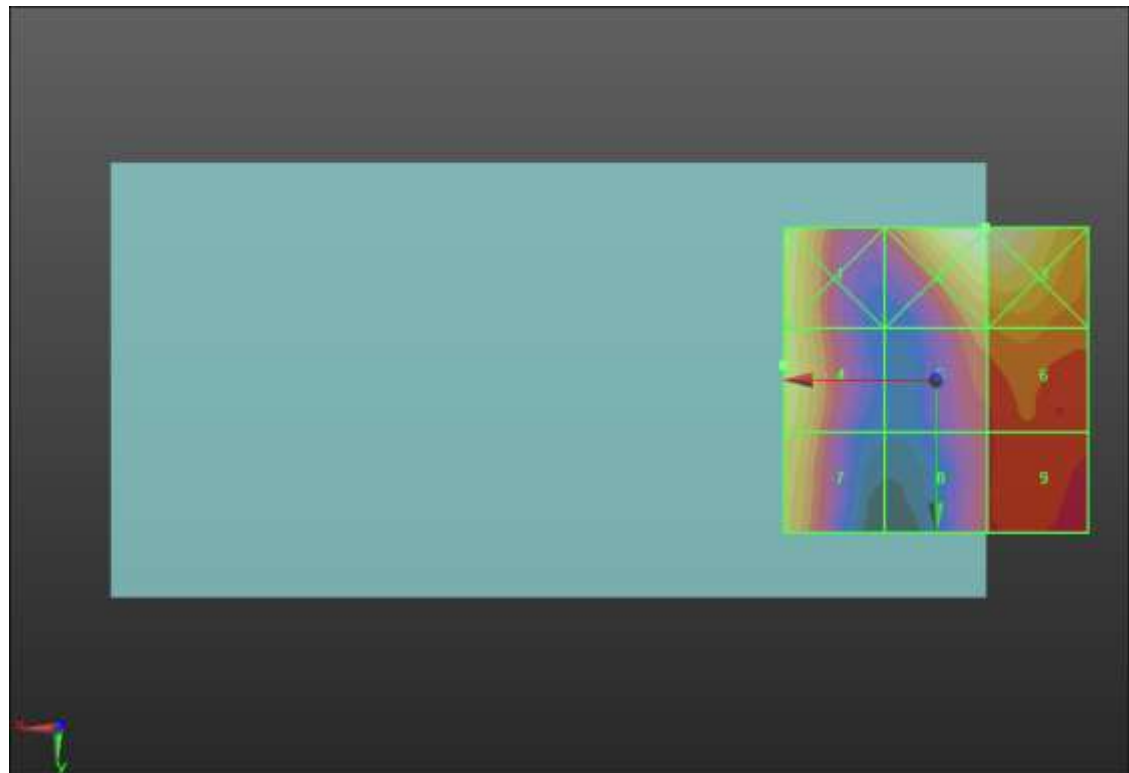
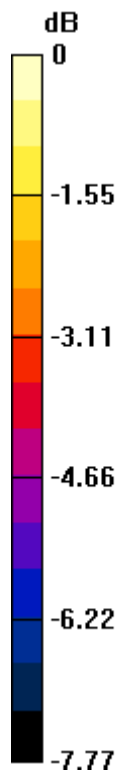
Applied MIF = -1.44 dB

RF audio interference level = 20.70 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 21.31 dBV/m	Grid 2 M4 21.8 dBV/m	Grid 3 M4 21.8 dBV/m
Grid 4 M4 20.7 dBV/m	Grid 5 M4 19.15 dBV/m	Grid 6 M4 19.46 dBV/m
Grid 7 M4 20.38 dBV/m	Grid 8 M4 18.13 dBV/m	Grid 9 M4 18.69 dBV/m



0 dB = 12.31 V/m = 21.81 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 = 12.42 V/m; Power Drift = -0.16 dB

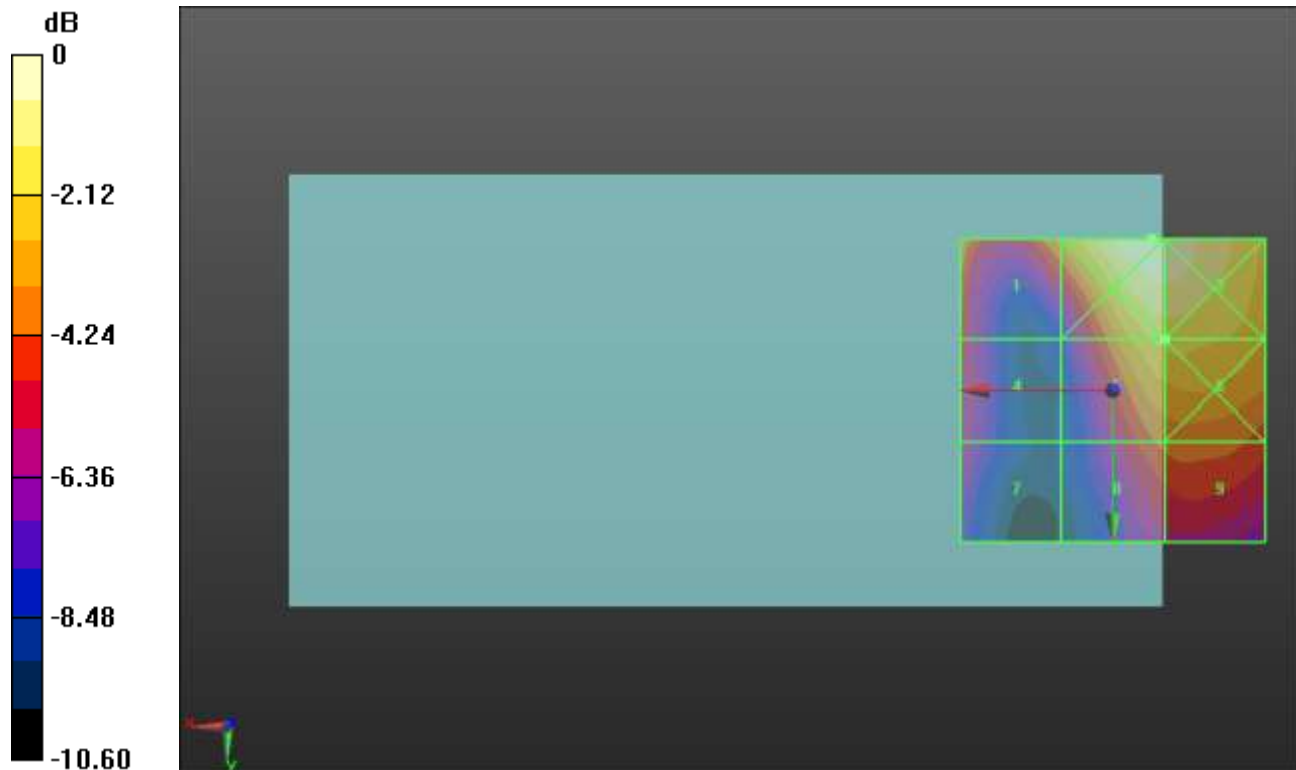
Applied MIF = -1.44 dB

RF audio interference level = 21.61 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 20.5 dBV/m	Grid 2 M4 23.52 dBV/m	Grid 3 M4 23.46 dBV/m
Grid 4 M4 18.44 dBV/m	Grid 5 M4 21.61 dBV/m	Grid 6 M4 21.71 dBV/m
Grid 7 M4 17.73 dBV/m	Grid 8 M4 19.48 dBV/m	Grid 9 M4 19.7 dBV/m



0 dB = 14.99 V/m = 23.52 dBV/m

HAC-RF Emission

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

Phantom section: RF Section

DASY5 Configuration:

- Probe: EF3DV3 - SN4041; ConvF(1, 1, 1) @ 2549.5 MHz; Calibrated: 3/22/2019
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1352; Calibrated: 11/6/2018
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.10 (2);SEMCAD X Version 14.6.12 (7450)

LTE Band 41 E-Field measurement 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 = 11.34 V/m; Power Drift = -0.24 dB

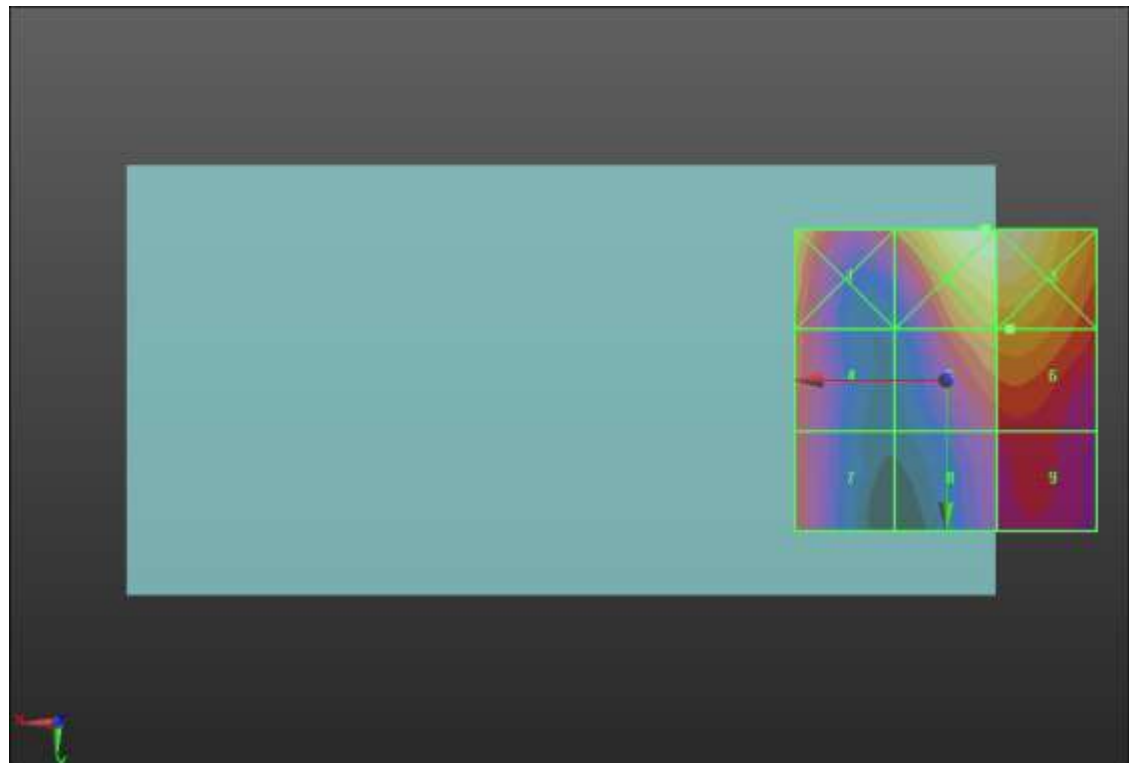
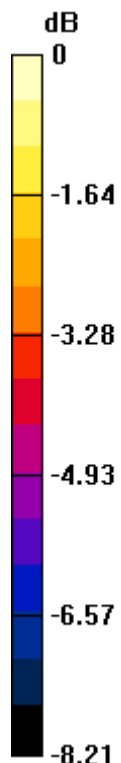
Applied MIF = -1.44 dB

RF audio interference level = 21.49 dBV/m

Emission category: **M4**

MIF scaled E-field

Grid 1 M4 21.98 dBV/m	Grid 2 M4 23.6 dBV/m	Grid 3 M4 23.53 dBV/m
Grid 4 M4 20.16 dBV/m	Grid 5 M4 21.41 dBV/m	Grid 6 M4 21.49 dBV/m
Grid 7 M4 19.82 dBV/m	Grid 8 M4 19.3 dBV/m	Grid 9 M4 19.59 dBV/m



0 dB = 15.13 V/m = 23.60 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 = 11.12 V/m; Power Drift = -0.04 dB

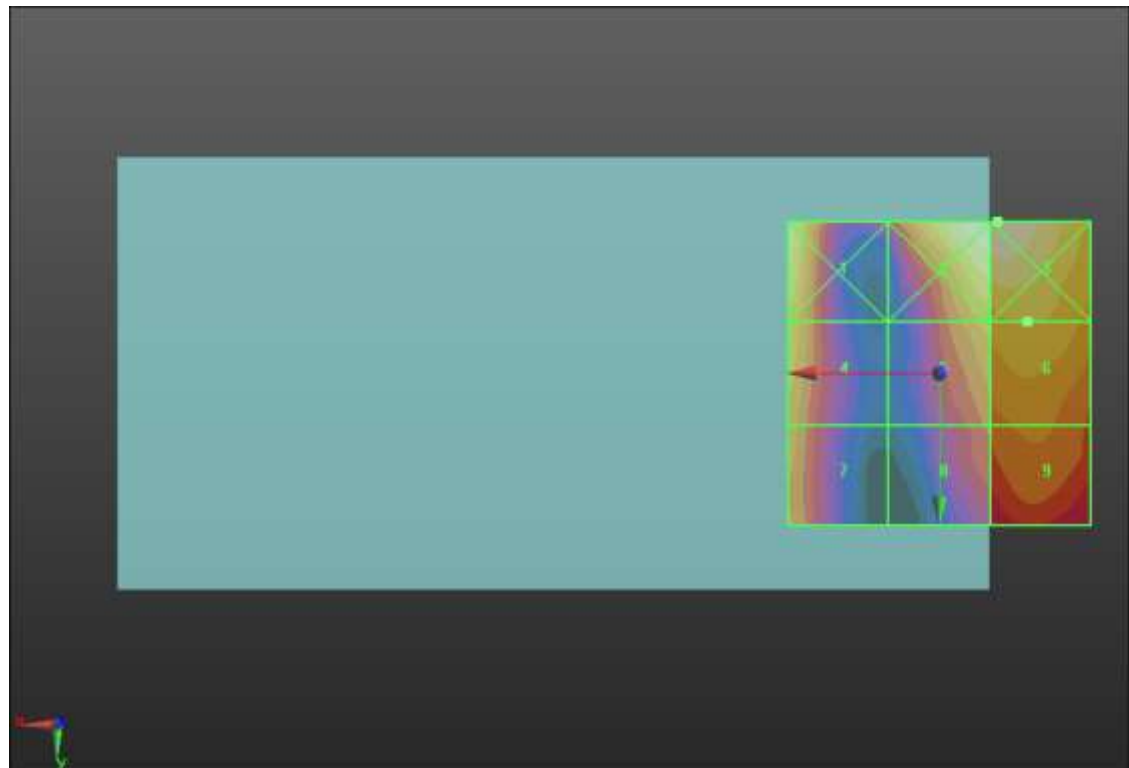
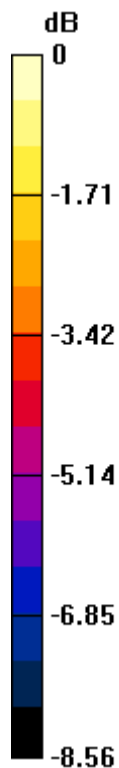
Applied MIF = -1.44 dB

RF audio interference level = 20.82 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 22.03 dBV/m	Grid 2 M4 22.47 dBV/m	Grid 3 M4 22.48 dBV/m
Grid 4 M4 20.69 dBV/m	Grid 5 M4 20.5 dBV/m	Grid 6 M4 20.82 dBV/m
Grid 7 M4 20.12 dBV/m	Grid 8 M4 19.24 dBV/m	Grid 9 M4 19.77 dBV/m



0 dB = 13.30 V/m = 22.48 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 = 9.703 V/m; Power Drift = -0.02 dB

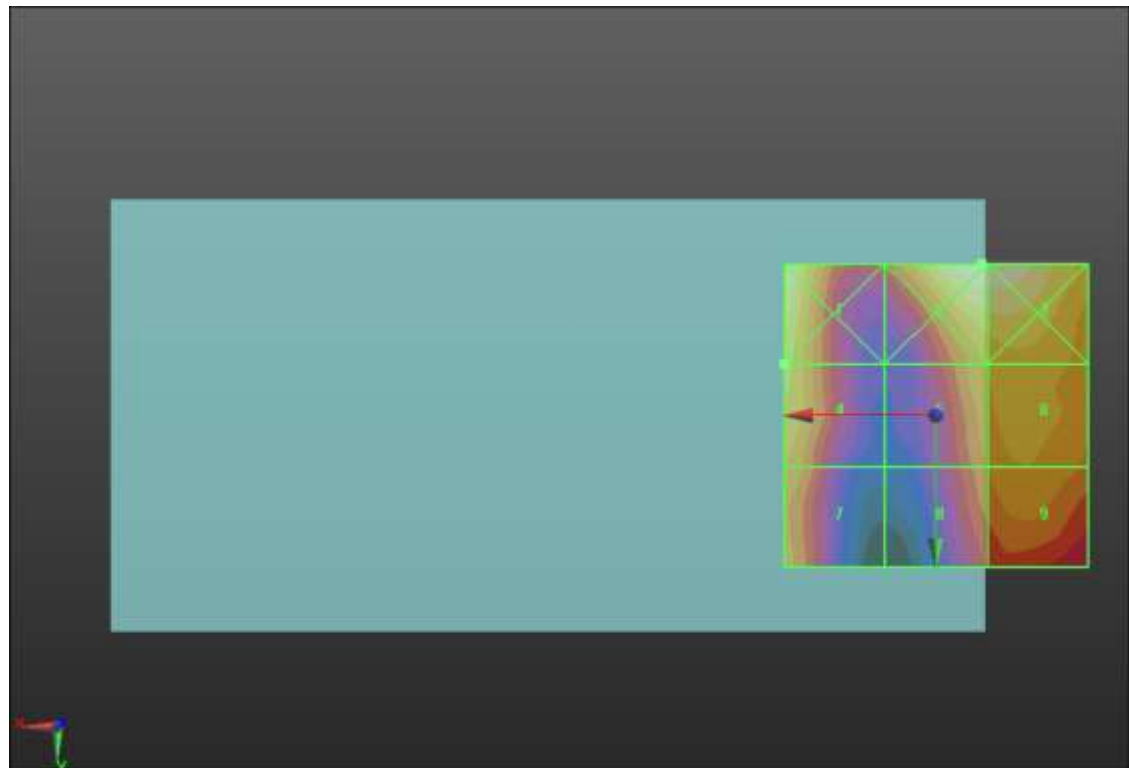
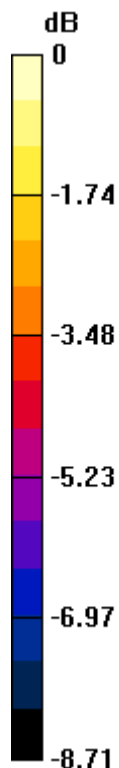
Applied MIF = -1.44 dB

RF audio interference level = 20.78 dBV/m

Emission category: **M4**

MIF scaled E-field

Grid 1 M4 22.17 dBV/m	Grid 2 M4 22.23 dBV/m	Grid 3 M4 22.22 dBV/m
Grid 4 M4 20.78 dBV/m	Grid 5 M4 20 dBV/m	Grid 6 M4 20.36 dBV/m
Grid 7 M4 19.84 dBV/m	Grid 8 M4 19.35 dBV/m	Grid 9 M4 19.9 dBV/m



0 dB = 12.92 V/m = 22.23 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 = 9.187 V/m; Power Drift = -0.11 dB

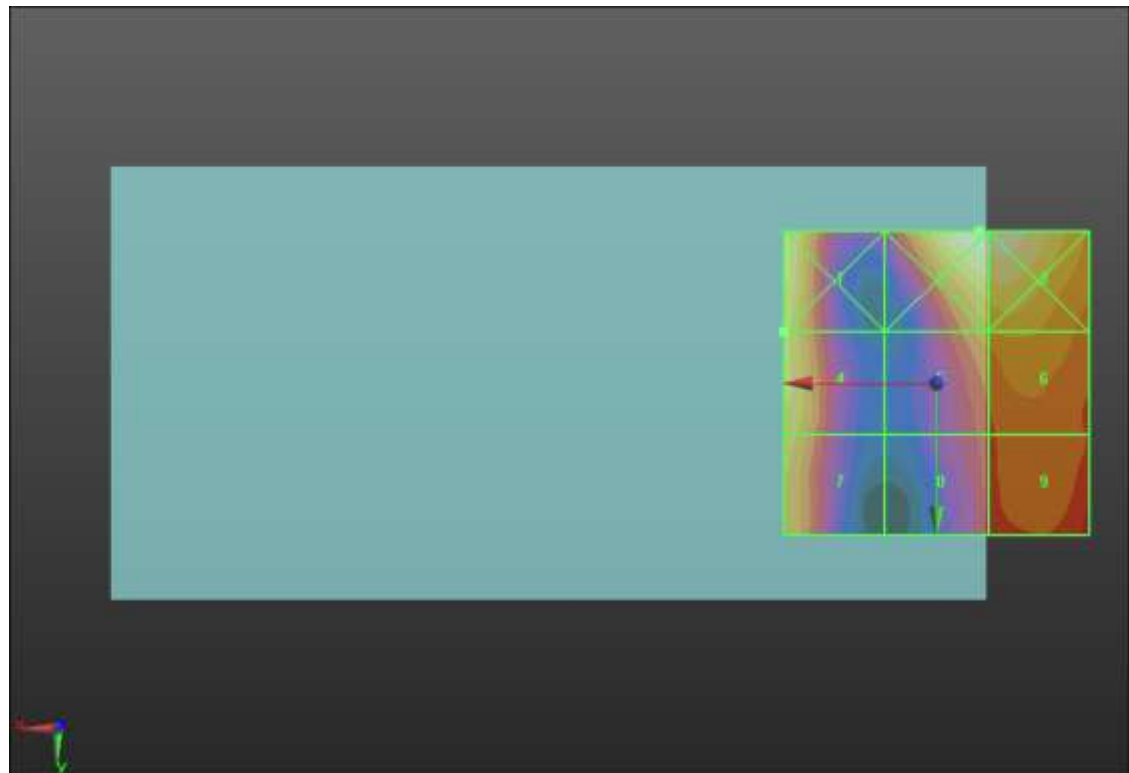
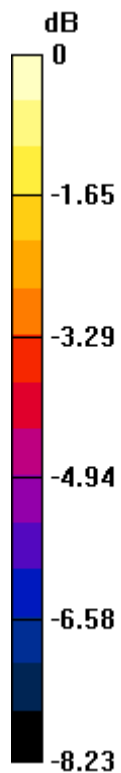
Applied MIF = -1.44 dB

RF audio interference level = 20.43 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 21.16 dBV/m	Grid 2 M4 21.83 dBV/m	Grid 3 M4 21.78 dBV/m
Grid 4 M4 20.43 dBV/m	Grid 5 M4 19.5 dBV/m	Grid 6 M4 19.8 dBV/m
Grid 7 M4 19.98 dBV/m	Grid 8 M4 18.38 dBV/m	Grid 9 M4 18.99 dBV/m



0 dB = 12.35 V/m = 21.83 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 = 8.594 V/m; Power Drift = 0.05 dB

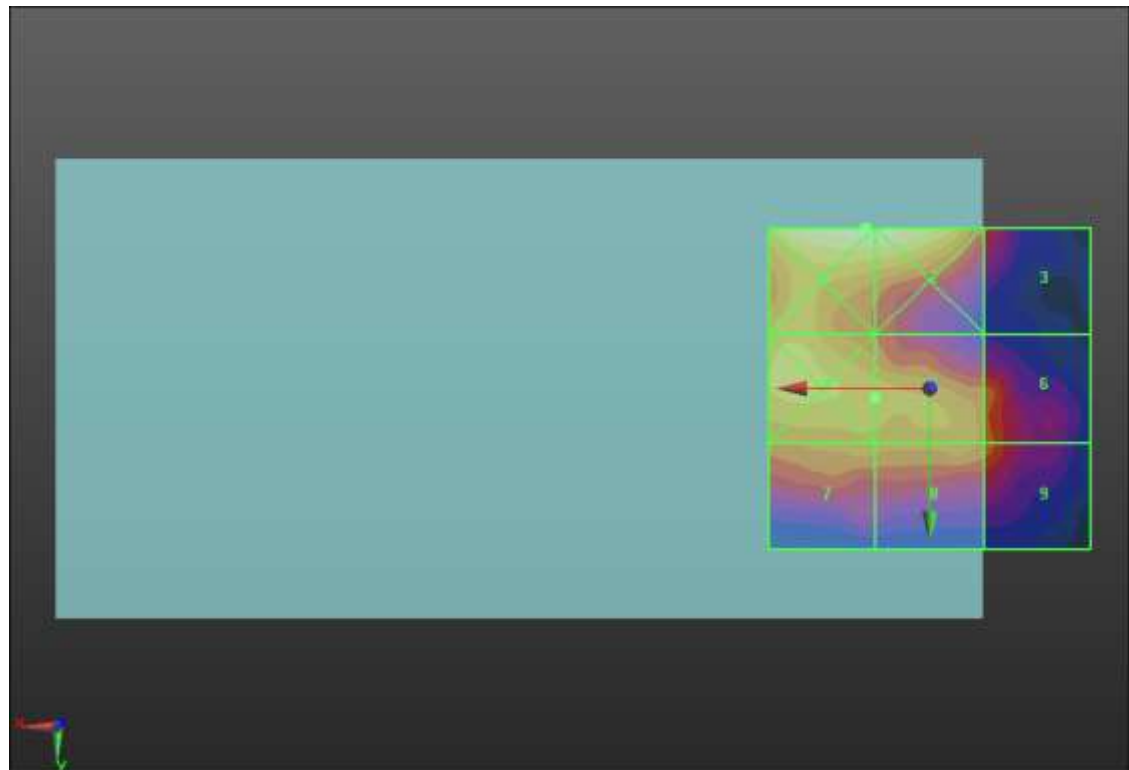
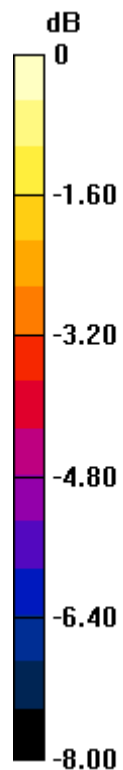
Applied MIF = -1.44 dB

RF audio interference level = 15.54 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 17.33 dBV/m	Grid 2 M4 17.28 dBV/m	Grid 3 M4 13.88 dBV/m
Grid 4 M4 15.97 dBV/m	Grid 5 M4 15.54 dBV/m	Grid 6 M4 14.48 dBV/m
Grid 7 M4 15.04 dBV/m	Grid 8 M4 15.04 dBV/m	Grid 9 M4 14.48 dBV/m



0 dB = 7.353 V/m = 17.33 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 = 10.75 V/m; Power Drift = 0.16 dB

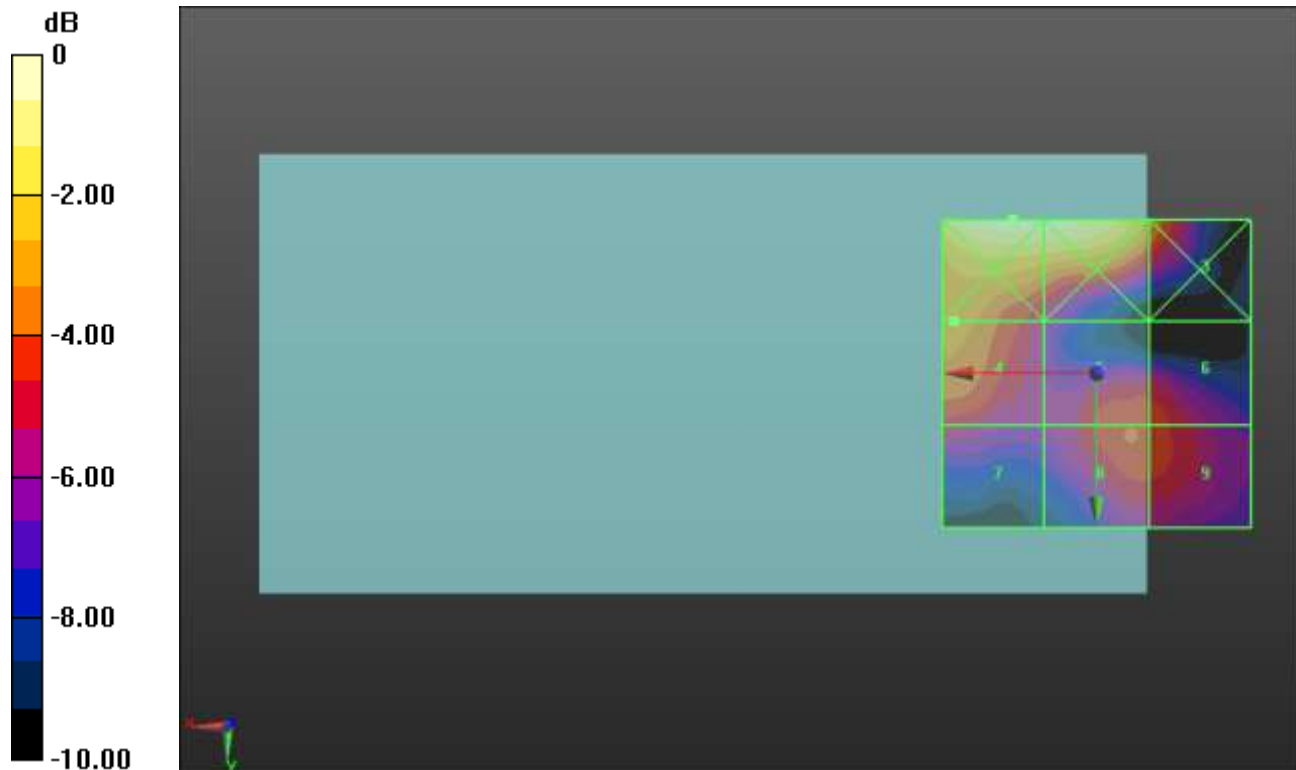
Applied MIF = -1.44 dB

RF audio interference level = 17.99 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 21.09 dBV/m	Grid 2 M4 20.97 dBV/m	Grid 3 M4 18.11 dBV/m
Grid 4 M4 17.99 dBV/m	Grid 5 M4 17.09 dBV/m	Grid 6 M4 16.91 dBV/m
Grid 7 M4 16.14 dBV/m	Grid 8 M4 17.14 dBV/m	Grid 9 M4 16.87 dBV/m



0 dB = 11.33 V/m = 21.08 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 = 10.04 V/m; Power Drift = 0.05 dB

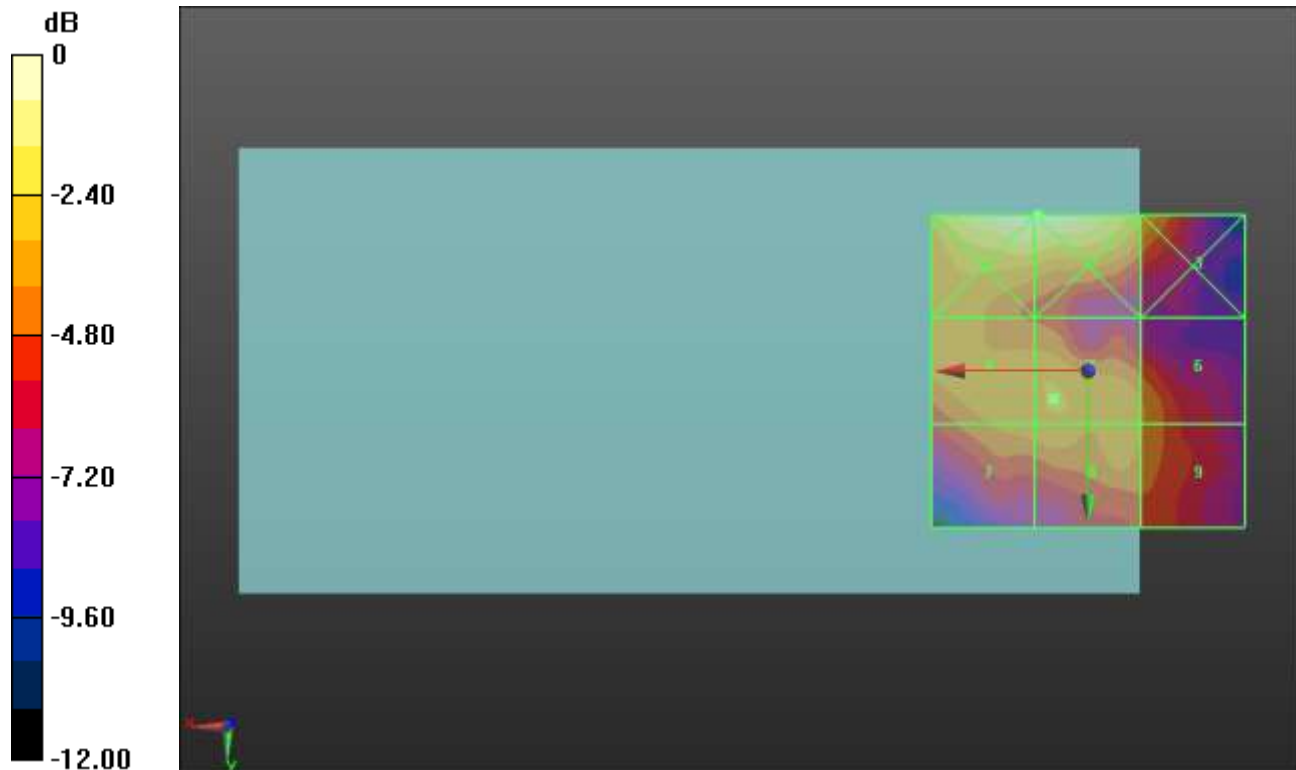
Applied MIF = -1.44 dB

RF audio interference level = 15.67 dBV/m

Emission category: **M4**

MIF scaled E-field

Grid 1 M4 18.8 dBV/m	Grid 2 M4 18.8 dBV/m	Grid 3 M4 15.84 dBV/m
Grid 4 M4 15.6 dBV/m	Grid 5 M4 15.67 dBV/m	Grid 6 M4 14.99 dBV/m
Grid 7 M4 15.26 dBV/m	Grid 8 M4 15.57 dBV/m	Grid 9 M4 14.91 dBV/m



0 dB = 8.714 V/m = 18.80 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 = 9.042 V/m; Power Drift = -0.07 dB

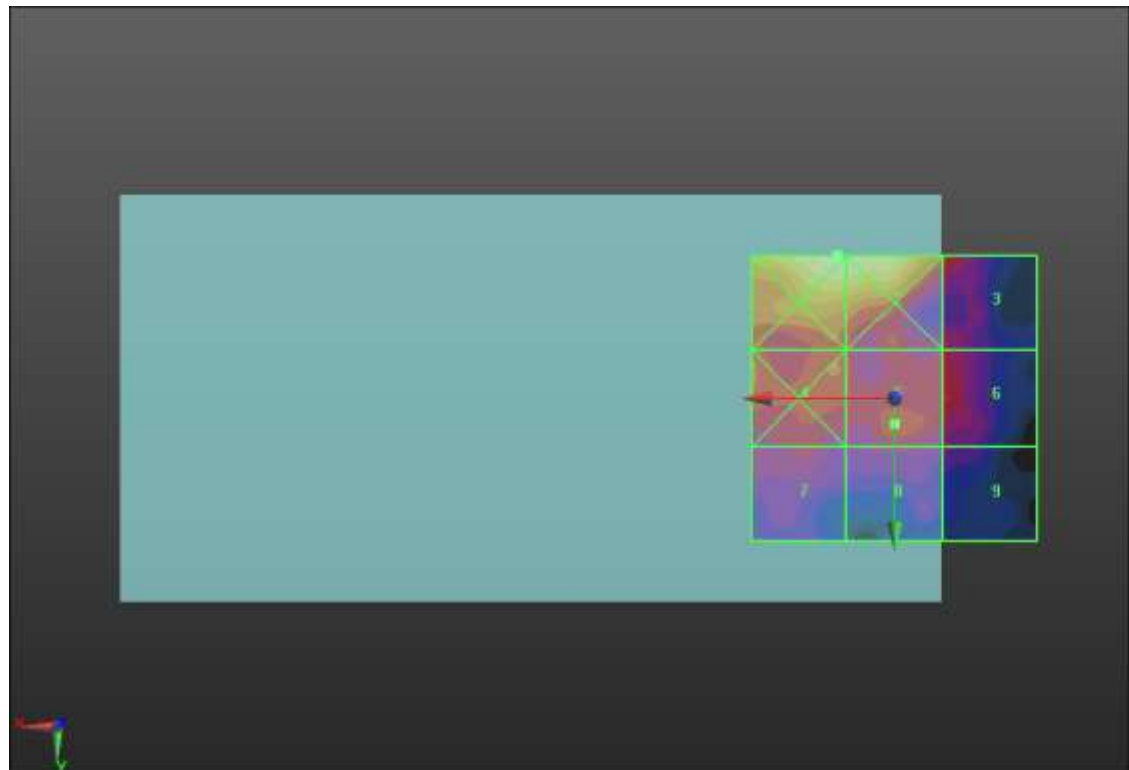
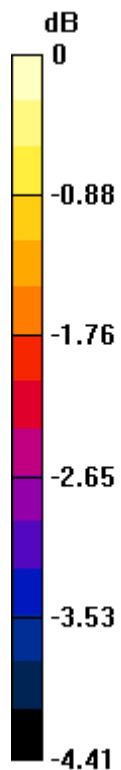
Applied MIF = -1.44 dB

RF audio interference level = 14.77 dBV/m

Emission category: **M4**

MIF scaled E-field

Grid 1 M4 16.48 dBV/m	Grid 2 M4 16.44 dBV/m	Grid 3 M4 14.7 dBV/m
Grid 4 M4 14.85 dBV/m	Grid 5 M4 14.77 dBV/m	Grid 6 M4 14.45 dBV/m
Grid 7 M4 14.25 dBV/m	Grid 8 M4 14.05 dBV/m	Grid 9 M4 13.7 dBV/m



0 dB = 6.671 V/m = 16.48 dBV/m

HAC-RF Emission

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

Phantom section: RF Section

DASY5 Configuration:

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

802.11b E-Field measurement/IEEE 802.11b_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 = 24.38 V/m; Power Drift = -0.15 dB

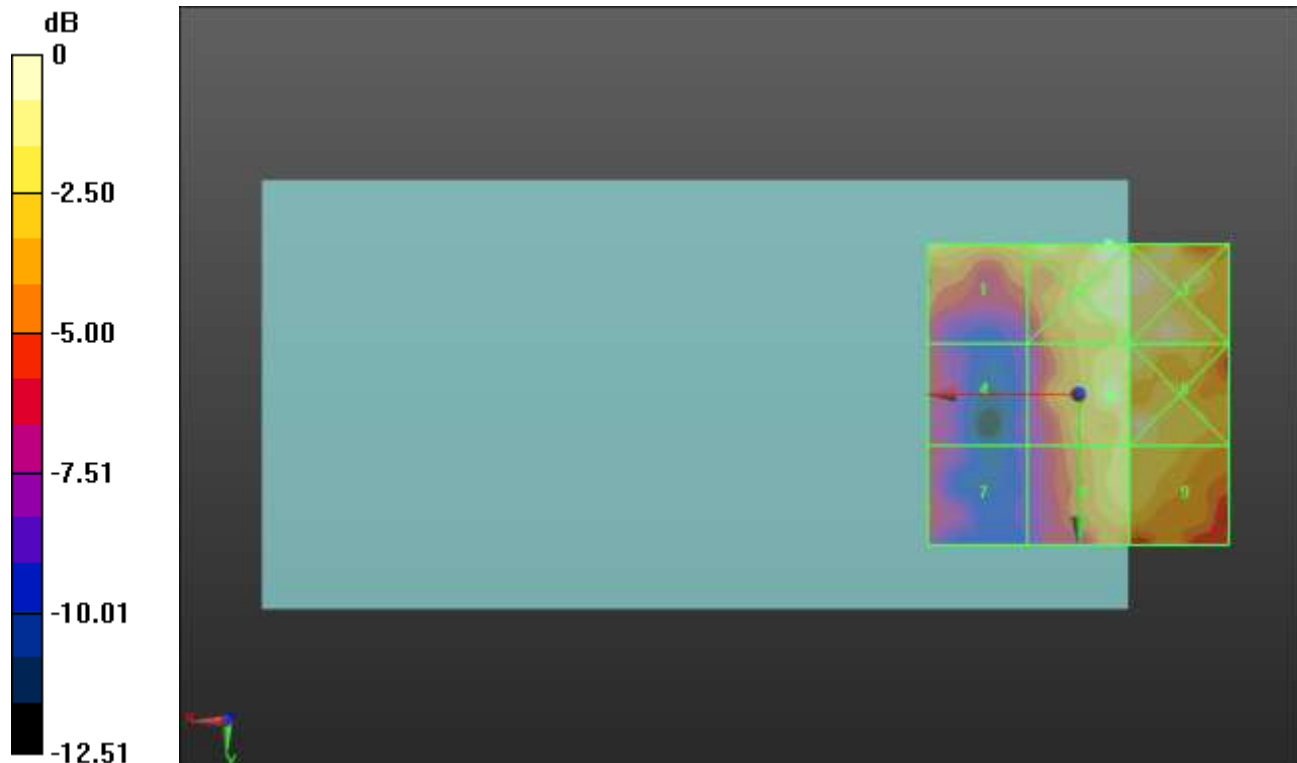
Applied MIF = -2.02 dB

RF audio interference level = 25.03 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 24.65 dBV/m	Grid 2 M4 26.07 dBV/m	Grid 3 M4 25.84 dBV/m
Grid 4 M4 20.44 dBV/m	Grid 5 M4 25.03 dBV/m	Grid 6 M4 25.42 dBV/m
Grid 7 M4 20.68 dBV/m	Grid 8 M4 24.28 dBV/m	Grid 9 M4 24.39 dBV/m



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

HAC-RF Emission

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

Phantom section: RF Section

DASY5 Configuration:

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

802.11b E-Field measurement/IEEE 802.11b_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 = 17.42 V/m; Power Drift = 0.33 dB

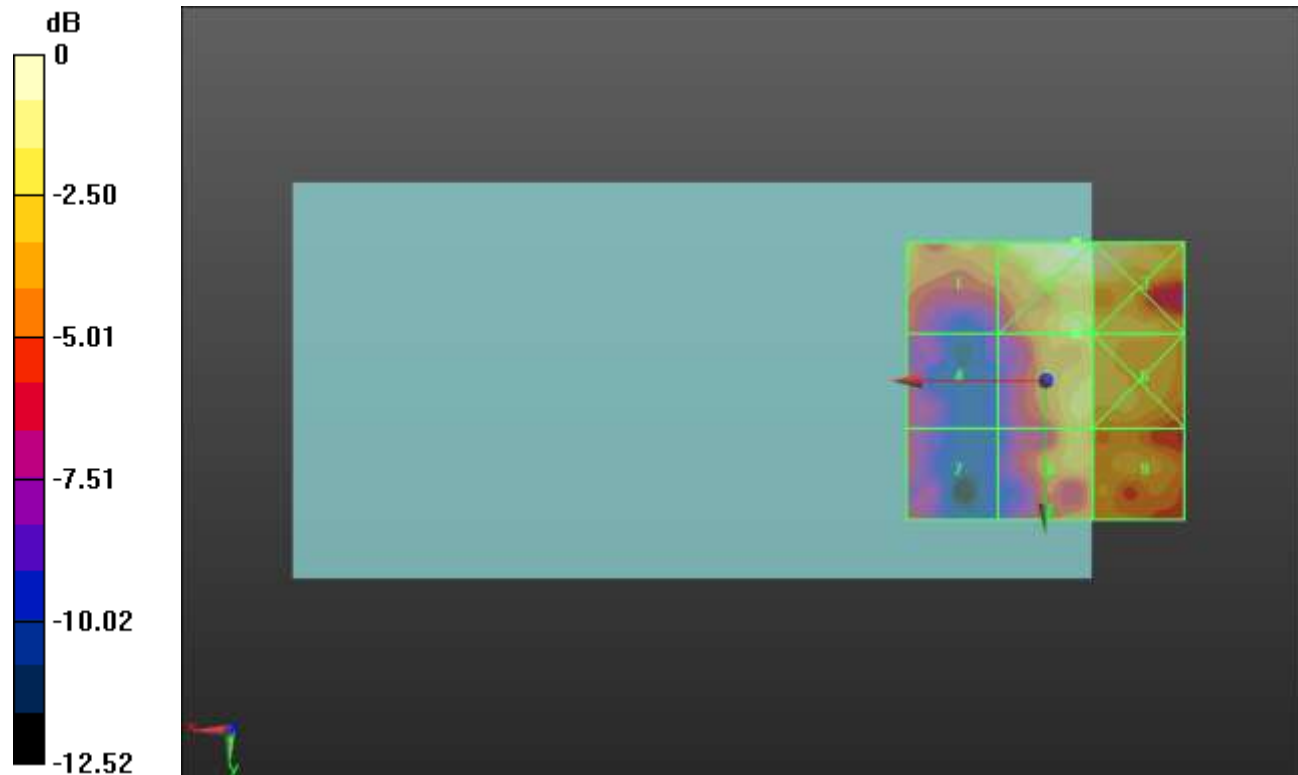
Applied MIF = -2.02 dB

RF audio interference level = 23.41 dBV/m

Emission category: **M4**

MIF scaled E-field

Grid 1 M4 22.88 dBV/m	Grid 2 M4 25.3 dBV/m	Grid 3 M4 24.69 dBV/m
Grid 4 M4 19.6 dBV/m	Grid 5 M4 23.41 dBV/m	Grid 6 M4 23.29 dBV/m
Grid 7 M4 20.19 dBV/m	Grid 8 M4 22.84 dBV/m	Grid 9 M4 22.59 dBV/m



0 dB = 18.41 V/m = 25.30 dBV/m

HAC-RF Emission

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

Phantom section: RF Section

DASY5 Configuration:

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

802.11b E-Field measurement/IEEE 802.11b_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 = 13.12 V/m; Power Drift = 3.26 dB

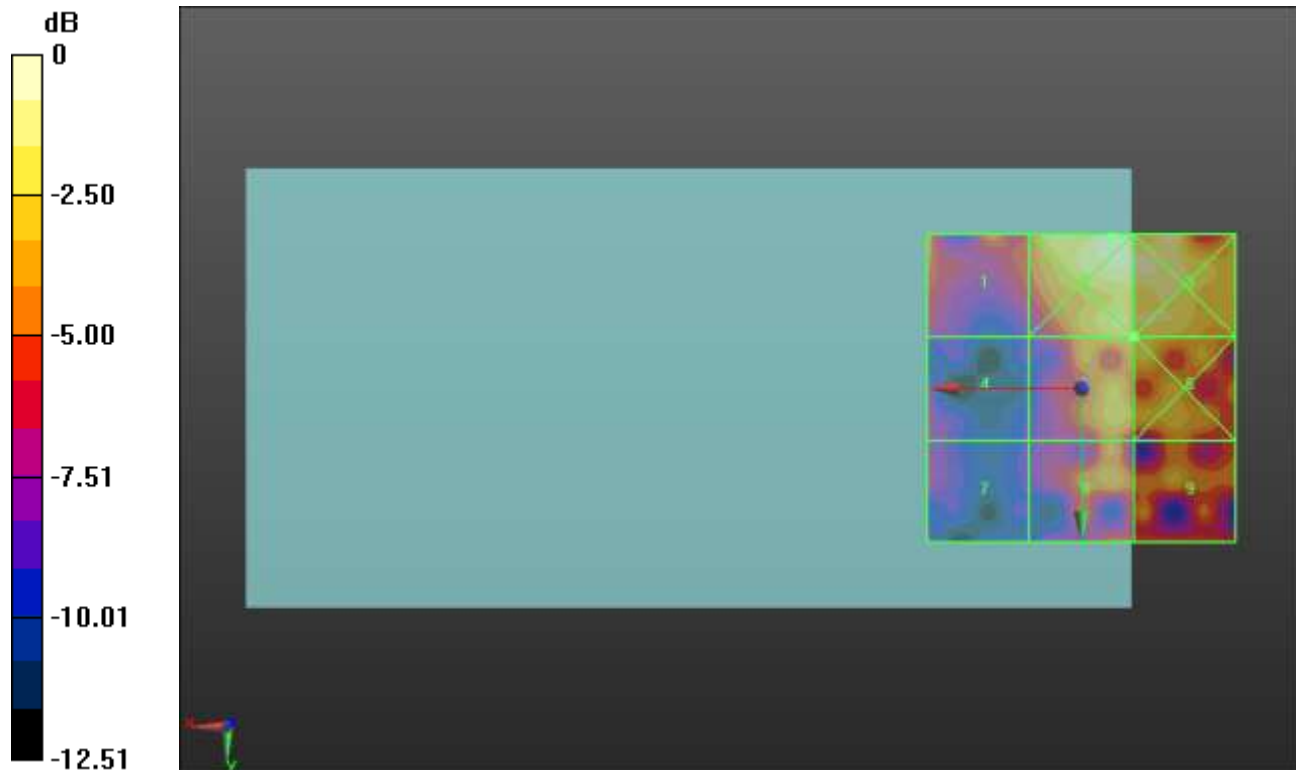
Applied MIF = -2.02 dB

RF audio interference level = 23.32 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 21.94 dBV/m	Grid 2 M4 25.48 dBV/m	Grid 3 M4 24.83 dBV/m
Grid 4 M4 18.62 dBV/m	Grid 5 M4 23.32 dBV/m	Grid 6 M4 23.44 dBV/m
Grid 7 M4 18.43 dBV/m	Grid 8 M4 22.1 dBV/m	Grid 9 M4 22.51 dBV/m



0 dB = 18.80 V/m = 25.48 dBV/m

HAC-RF Emission

Communication System: UID 10077 - CAB, IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 54 Mbps); Frequency: 2422 MHz; Duty Cycle: 1:12.5893

Phantom section: RF Section

DASY5 Configuration:

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

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

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

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 25.47 V/m; Power Drift = -2.58 dB

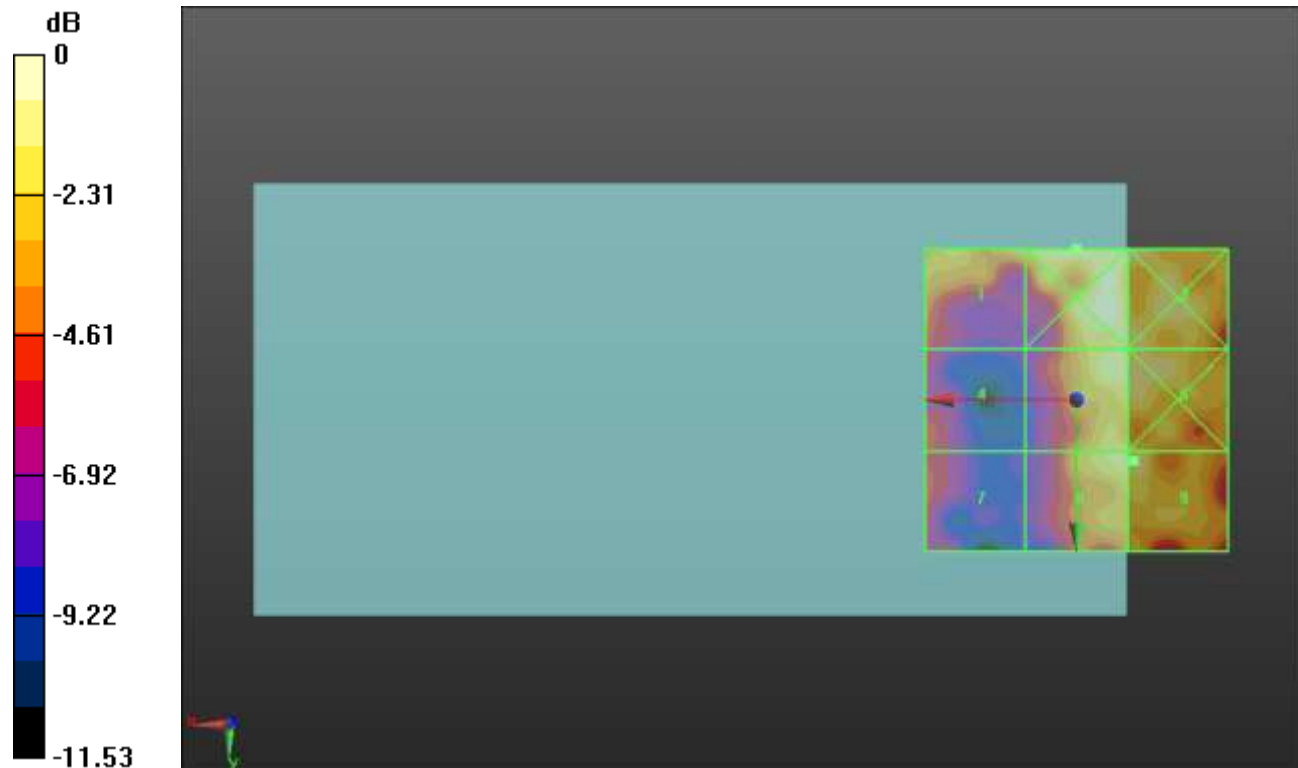
Applied MIF = 0.12 dB

RF audio interference level = 26.65 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 26.15 dBV/m	Grid 2 M4 27.37 dBV/m	Grid 3 M4 27.27 dBV/m
Grid 4 M4 22.63 dBV/m	Grid 5 M4 26.5 dBV/m	Grid 6 M4 26.28 dBV/m
Grid 7 M4 22.72 dBV/m	Grid 8 M4 26.44 dBV/m	Grid 9 M4 26.65 dBV/m



0 dB = 23.36 V/m = 27.37 dBV/m

HAC-RF Emission

Communication System: UID 10077 - CAB, IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 54 Mbps); Frequency: 2437 MHz; Duty Cycle: 1:12.5893

Phantom section: RF Section

DASY5 Configuration:

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

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

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

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 19.23 V/m; Power Drift = 0.19 dB

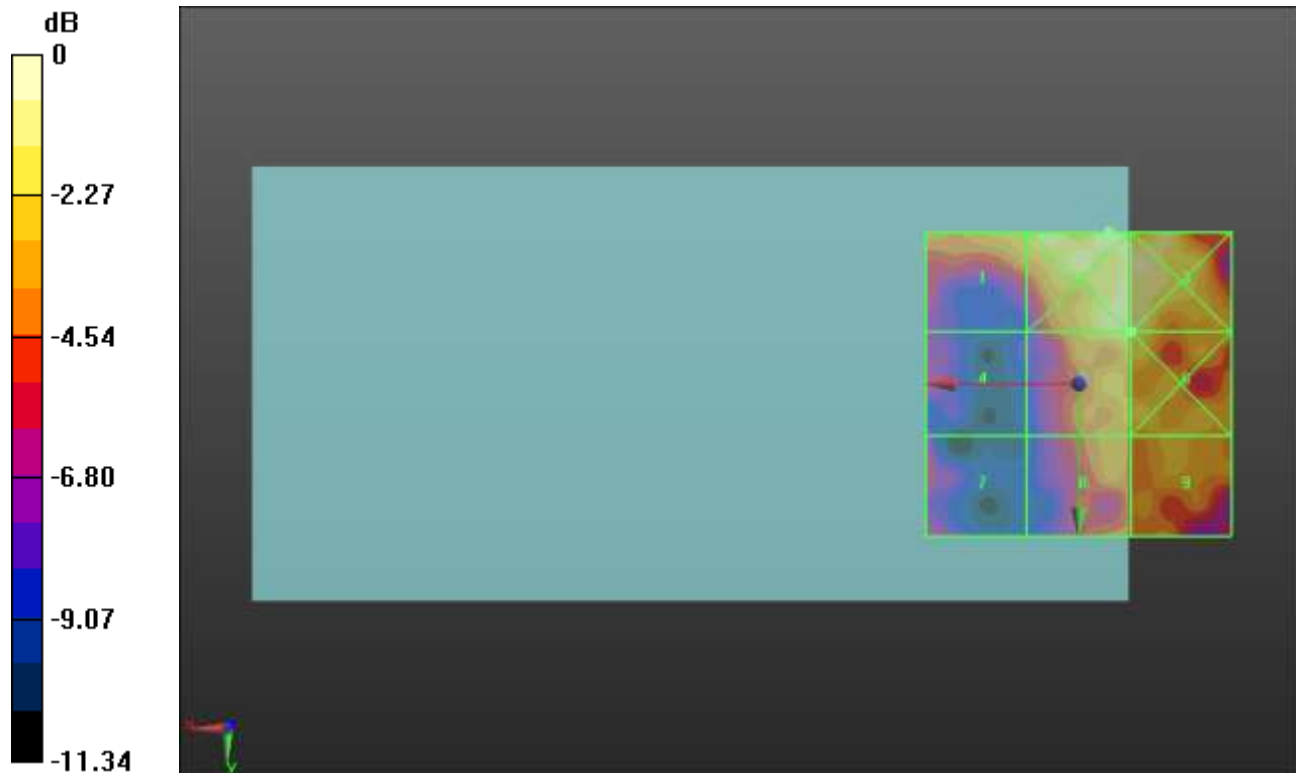
Applied MIF = 0.12 dB

RF audio interference level = 25.88 dBV/m

Emission category: **M4**

MIF scaled E-field

Grid 1 M4 24.84 dBV/m	Grid 2 M4 27.2 dBV/m	Grid 3 M4 26.63 dBV/m
Grid 4 M4 21.23 dBV/m	Grid 5 M4 25.88 dBV/m	Grid 6 M4 25.89 dBV/m
Grid 7 M4 22.12 dBV/m	Grid 8 M4 23.95 dBV/m	Grid 9 M4 24.42 dBV/m



0 dB = 22.90 V/m = 27.20 dBV/m

HAC-RF Emission

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

Phantom section: RF Section

DASY5 Configuration:

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

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

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

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 19.79 V/m; Power Drift = -0.66 dB

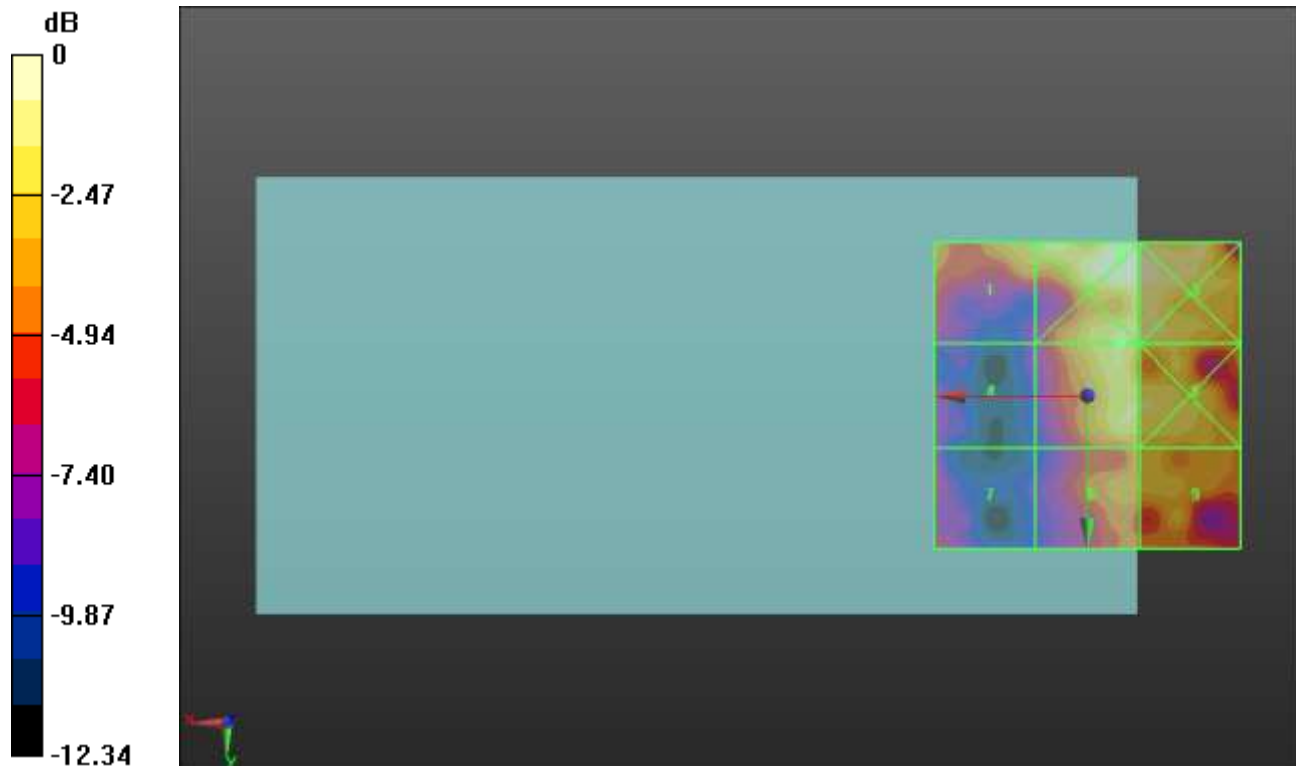
Applied MIF = 0.12 dB

RF audio interference level = 26.62 dBV/m

Emission category: **M4**

MIF scaled E-field

Grid 1 M4 25.91 dBV/m	Grid 2 M4 28.11 dBV/m	Grid 3 M4 27.66 dBV/m
Grid 4 M4 21.18 dBV/m	Grid 5 M4 26.62 dBV/m	Grid 6 M4 26.51 dBV/m
Grid 7 M4 22.48 dBV/m	Grid 8 M4 25 dBV/m	Grid 9 M4 25.42 dBV/m



0 dB = 25.43 V/m = 28.11 dBV/m

HAC-RF Emission

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

Phantom section: RF Section

DASY5 Configuration:

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

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

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

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 25.99 V/m; Power Drift = -0.07 dB

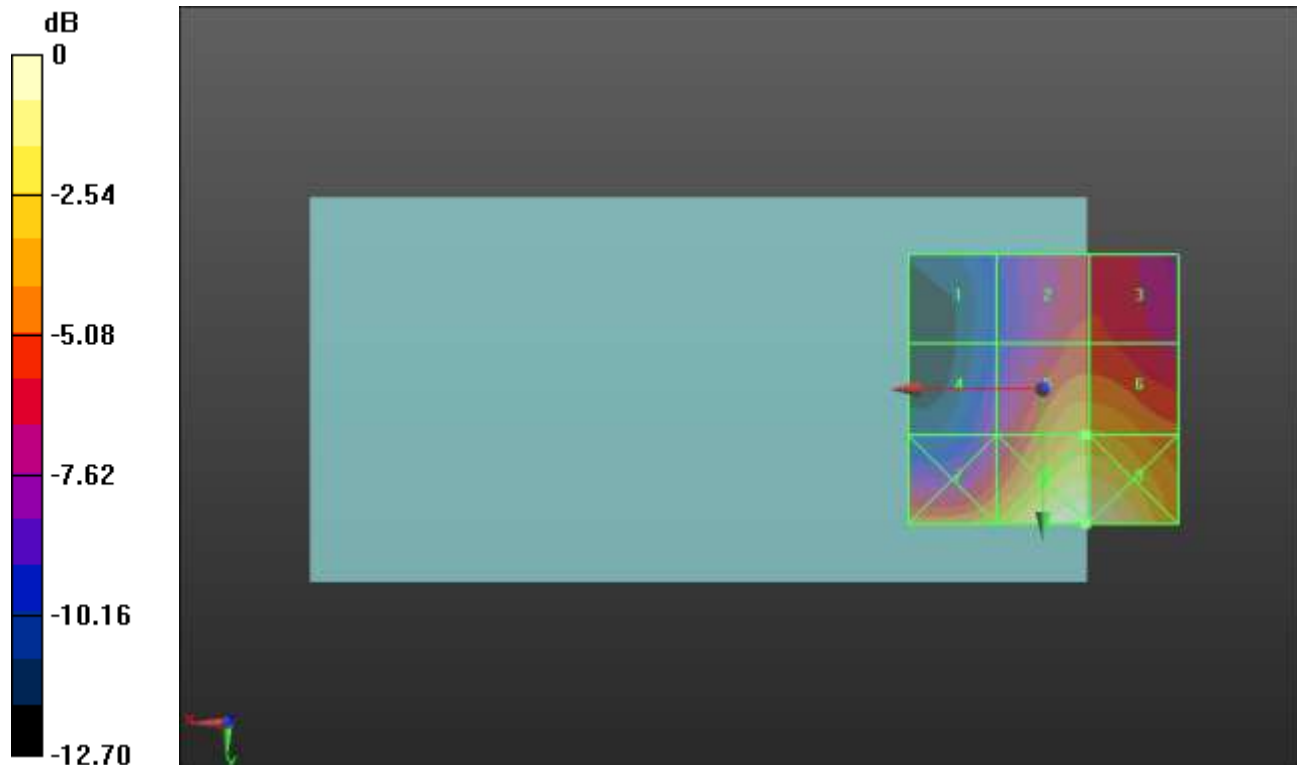
Applied MIF = 3.63 dB

RF audio interference level = 31.86 dBV/m

Emission category: M3

MIF scaled E-field

Grid 1 M4 25.88 dBV/m	Grid 2 M4 29.42 dBV/m	Grid 3 M4 29.4 dBV/m
Grid 4 M4 27.56 dBV/m	Grid 5 M3 31.86 dBV/m	Grid 6 M3 31.86 dBV/m
Grid 7 M3 32.07 dBV/m	Grid 8 M2 35.06 dBV/m	Grid 9 M2 35.05 dBV/m



0 dB = 56.64 V/m = 35.06 dBV/m

HAC-RF Emission

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

Phantom section: RF Section

DASY5 Configuration:

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

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

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

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 27.88 V/m; Power Drift = 0.14 dB

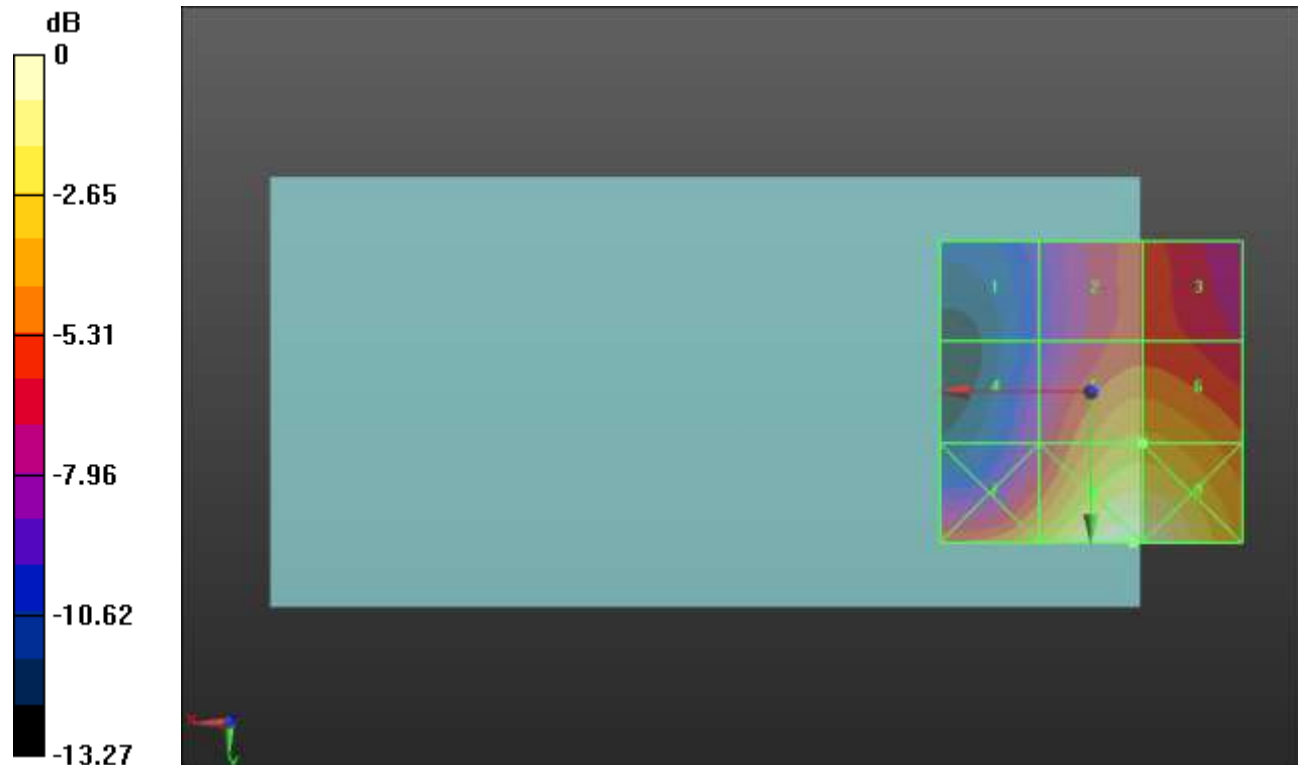
Applied MIF = 3.63 dB

RF audio interference level = 32.00 dBV/m

Emission category: M3

MIF scaled E-field

Grid 1 M4 26.29 dBV/m	Grid 2 M4 29.54 dBV/m	Grid 3 M4 29.55 dBV/m
Grid 4 M4 27.84 dBV/m	Grid 5 M3 32 dBV/m	Grid 6 M3 32 dBV/m
Grid 7 M3 32.24 dBV/m	Grid 8 M2 35.23 dBV/m	Grid 9 M2 35.18 dBV/m



0 dB = 57.75 V/m = 35.23 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 = 25.06 V/m; Power Drift = 0.11 dB

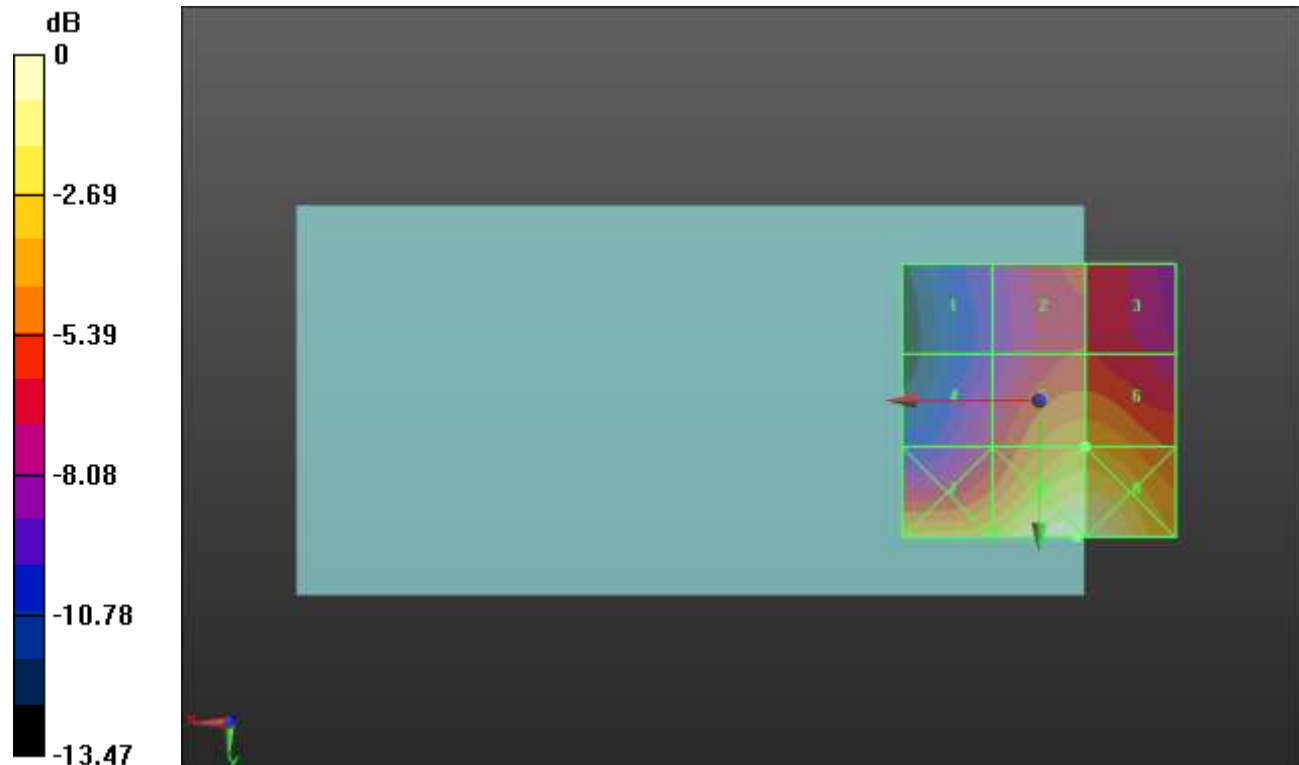
Applied MIF = 3.63 dB

RF audio interference level = 30.64 dBV/m

Emission category: M3

MIF scaled E-field

Grid 1 M4 25.51 dBV/m	Grid 2 M4 28.03 dBV/m	Grid 3 M4 27.98 dBV/m
Grid 4 M4 27.43 dBV/m	Grid 5 M3 30.64 dBV/m	Grid 6 M3 30.64 dBV/m
Grid 7 M3 31.92 dBV/m	Grid 8 M3 34.19 dBV/m	Grid 9 M3 34.16 dBV/m



0 dB = 51.25 V/m = 34.19 dBV/m

HAC-RF Emission

Communication System: UID 10173 - CAC, LTE-TDD (SC-FDMA, 1 RB, 20 MHz, 16-QAM); Frequency: 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 = 24.55 V/m; Power Drift = 1.61 dB

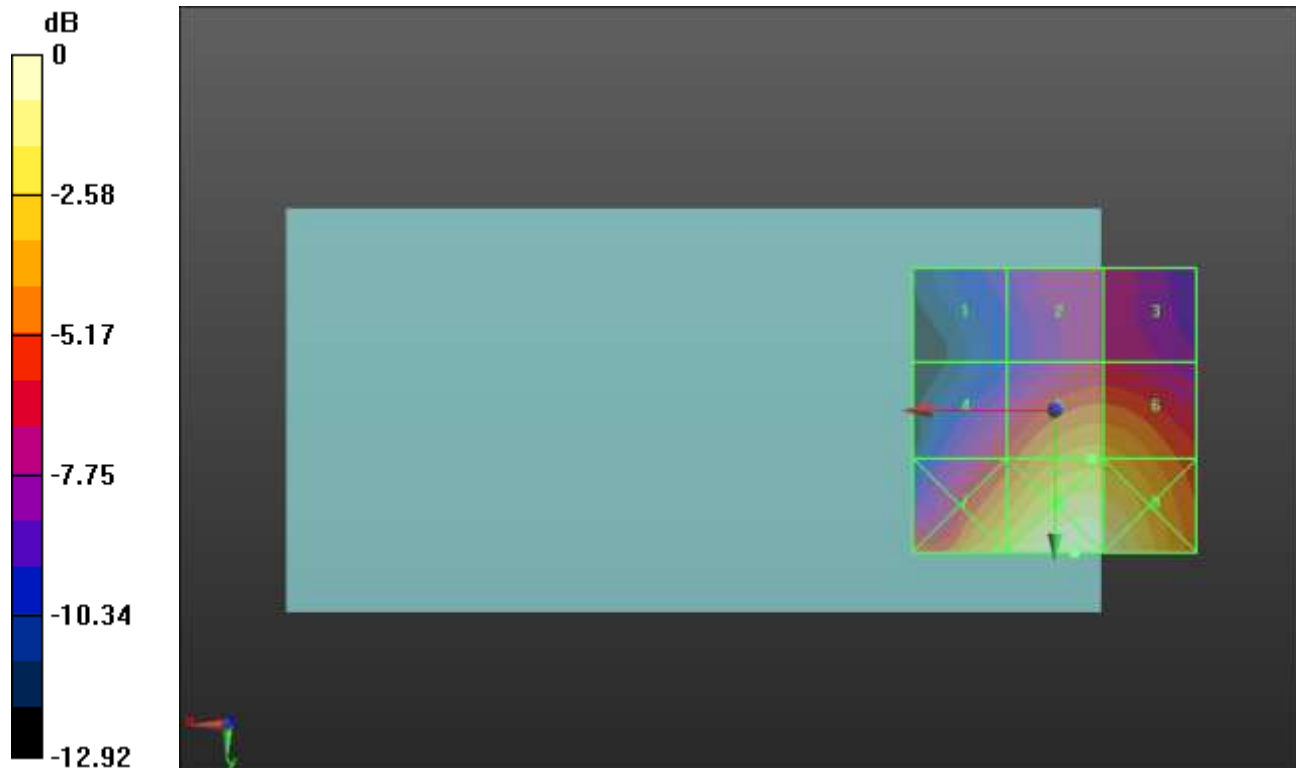
Applied MIF = -1.44 dB

RF audio interference level = 27.52 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 21.67 dBV/m	Grid 2 M4 23.65 dBV/m	Grid 3 M4 23.66 dBV/m
Grid 4 M4 24.75 dBV/m	Grid 5 M4 27.52 dBV/m	Grid 6 M4 27.48 dBV/m
Grid 7 M4 28.64 dBV/m	Grid 8 M3 30.46 dBV/m	Grid 9 M3 30.16 dBV/m



0 dB = 33.35 V/m = 30.46 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 = 31.25 V/m; Power Drift = 0.01 dB

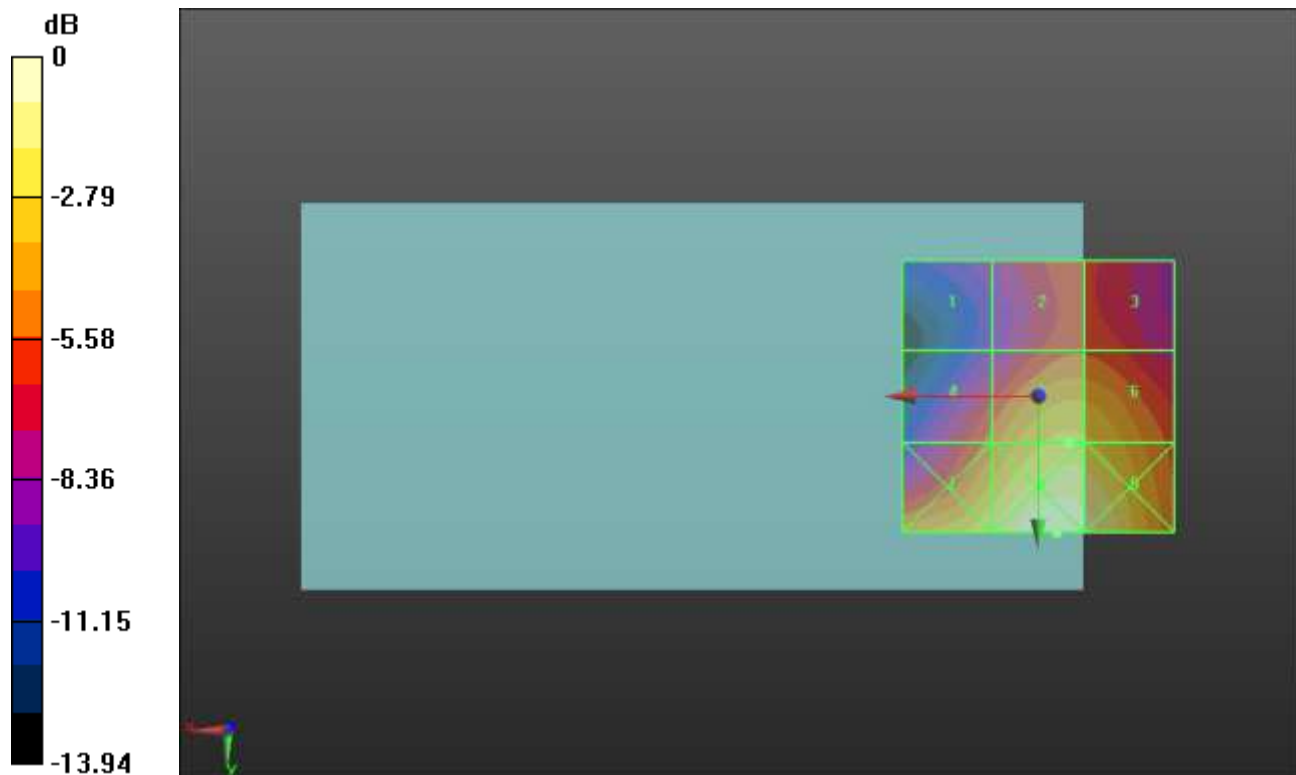
Applied MIF = -1.44 dB

RF audio interference level = 27.07 dBV/m

Emission category: **M4**

MIF scaled E-field

Grid 1 M4 21.13 dBV/m	Grid 2 M4 23.83 dBV/m	Grid 3 M4 23.81 dBV/m
Grid 4 M4 24.48 dBV/m	Grid 5 M4 27.07 dBV/m	Grid 6 M4 26.94 dBV/m
Grid 7 M4 27.86 dBV/m	Grid 8 M4 29.51 dBV/m	Grid 9 M4 29.05 dBV/m



0 dB = 29.88 V/m = 29.51 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 = 28.45 V/m; Power Drift = -0.20 dB

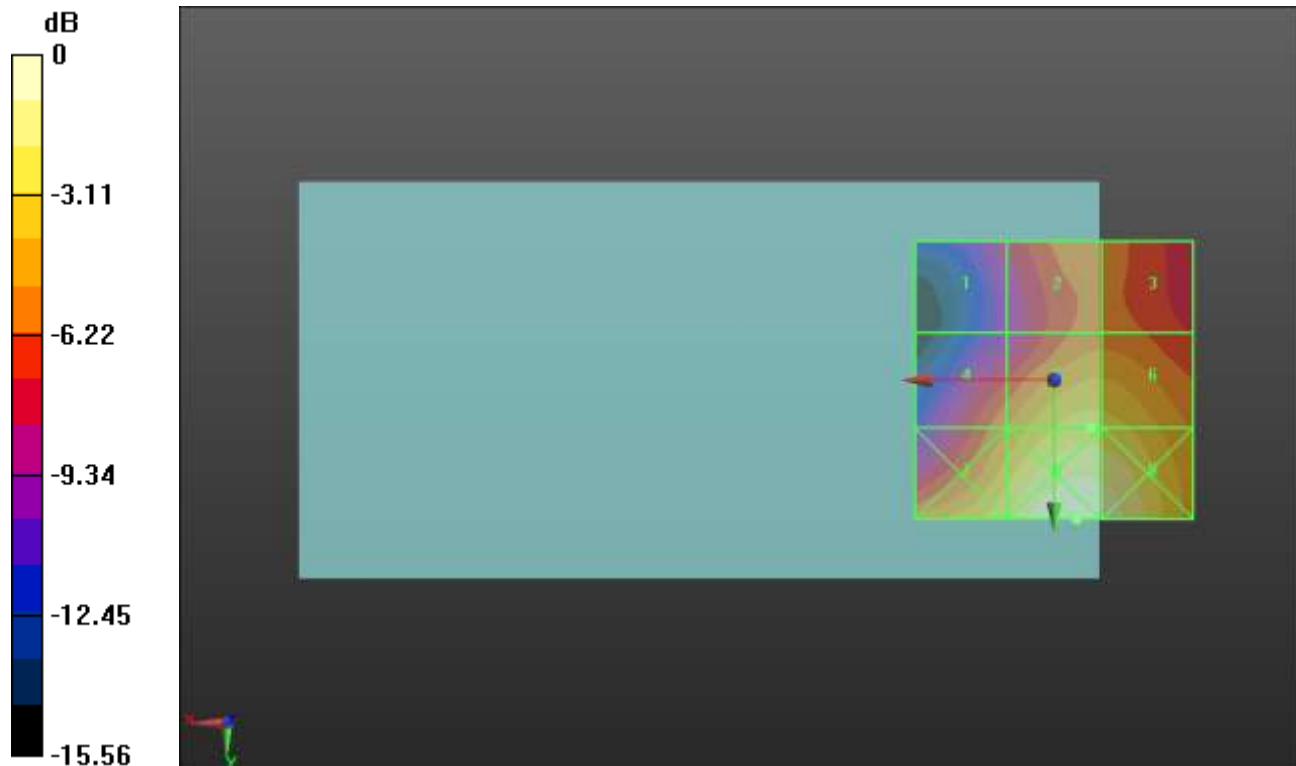
Applied MIF = -1.44 dB

RF audio interference level = 27.12 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 21.77 dBV/m	Grid 2 M4 24.16 dBV/m	Grid 3 M4 24.1 dBV/m
Grid 4 M4 24.54 dBV/m	Grid 5 M4 27.12 dBV/m	Grid 6 M4 27.06 dBV/m
Grid 7 M4 27.71 dBV/m	Grid 8 M4 29.7 dBV/m	Grid 9 M4 29.36 dBV/m



0 dB = 30.56 V/m = 29.70 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 = 28.67 V/m; Power Drift = -0.06 dB

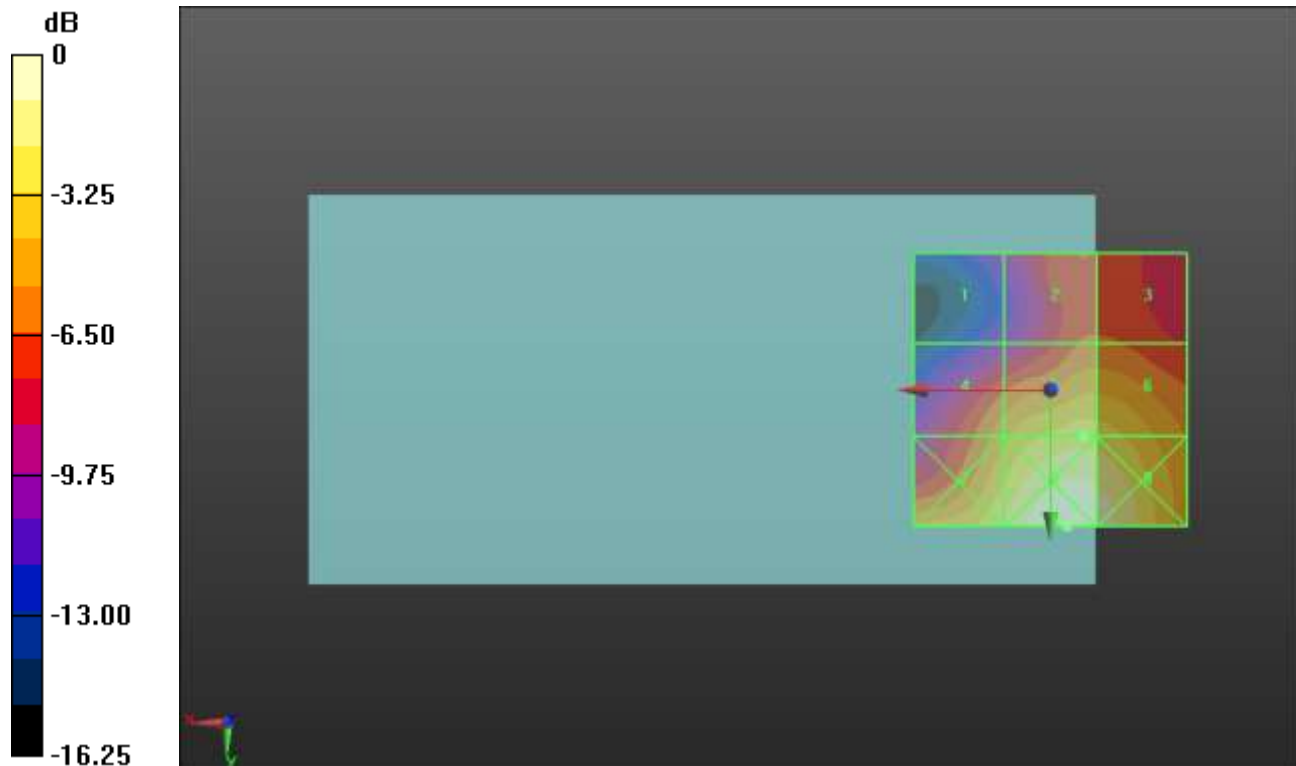
Applied MIF = -1.44 dB

RF audio interference level = 27.69 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 20.36 dBV/m	Grid 2 M4 24.01 dBV/m	Grid 3 M4 24.01 dBV/m
Grid 4 M4 25.65 dBV/m	Grid 5 M4 27.69 dBV/m	Grid 6 M4 27.59 dBV/m
Grid 7 M4 28.36 dBV/m	Grid 8 M3 30.27 dBV/m	Grid 9 M4 29.88 dBV/m



0 dB = 32.62 V/m = 30.27 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 = 27.77 V/m; Power Drift = 0.05 dB

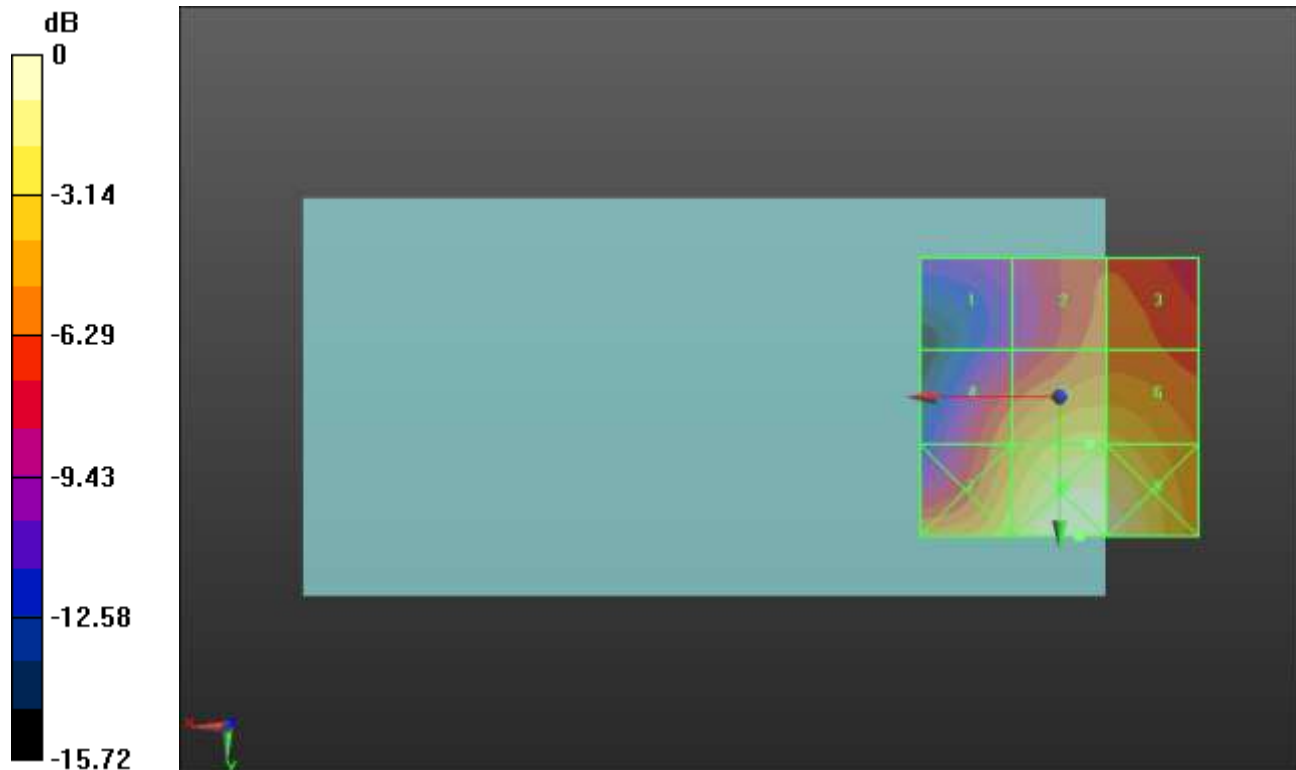
Applied MIF = -1.44 dB

RF audio interference level = 28.27 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 21.77 dBV/m	Grid 2 M4 25.12 dBV/m	Grid 3 M4 25.16 dBV/m
Grid 4 M4 25.93 dBV/m	Grid 5 M4 28.27 dBV/m	Grid 6 M4 28.14 dBV/m
Grid 7 M4 28.73 dBV/m	Grid 8 M3 30.84 dBV/m	Grid 9 M3 30.46 dBV/m



0 dB = 34.84 V/m = 30.84 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 = 25.03 V/m; Power Drift = -0.03 dB

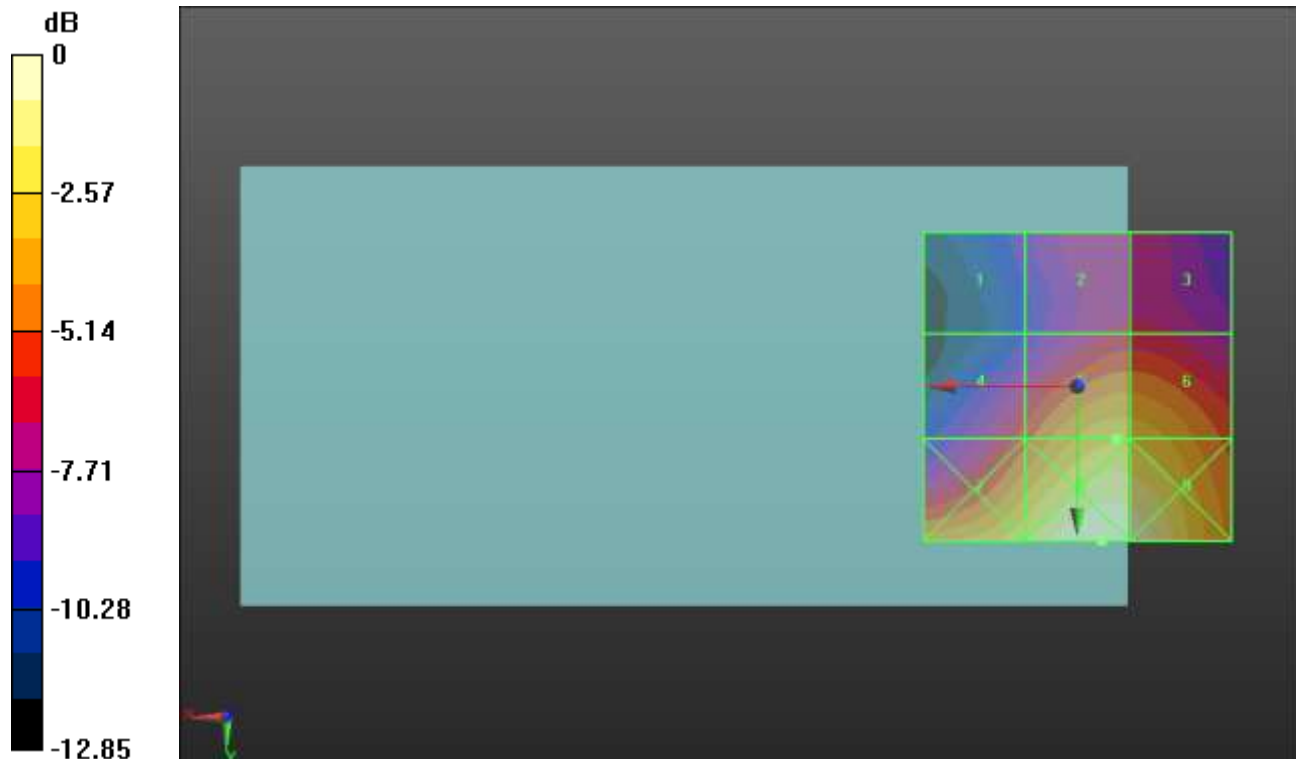
Applied MIF = -1.44 dB

RF audio interference level = 26.06 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 19.97 dBV/m	Grid 2 M4 22.22 dBV/m	Grid 3 M4 22.22 dBV/m
Grid 4 M4 23.33 dBV/m	Grid 5 M4 26.06 dBV/m	Grid 6 M4 26 dBV/m
Grid 7 M4 27.01 dBV/m	Grid 8 M4 28.75 dBV/m	Grid 9 M4 28.54 dBV/m



0 dB = 27.40 V/m = 28.76 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 = 25.68 V/m; Power Drift = -0.10 dB

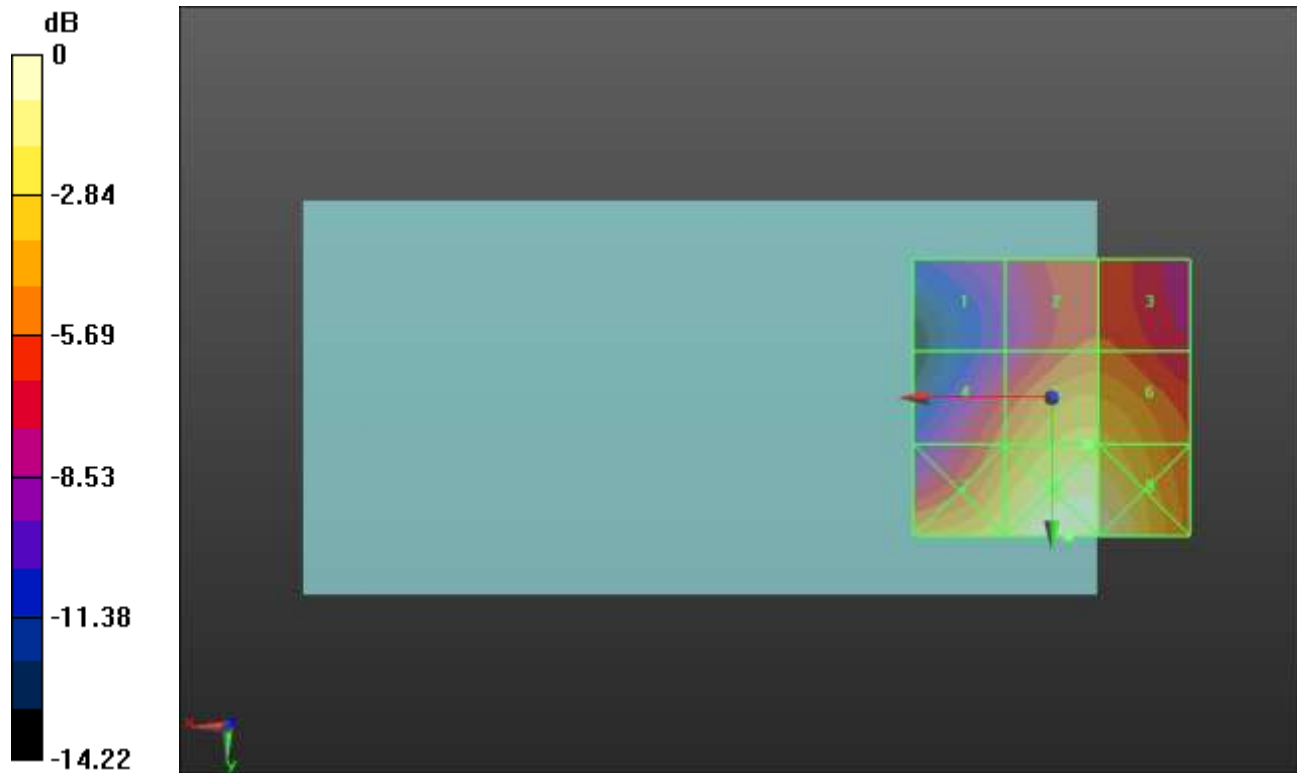
Applied MIF = -1.44 dB

RF audio interference level = 25.42 dBV/m

Emission category: **M4**

MIF scaled E-field

Grid 1 M4 19.71 dBV/m	Grid 2 M4 22.44 dBV/m	Grid 3 M4 22.44 dBV/m
Grid 4 M4 22.92 dBV/m	Grid 5 M4 25.42 dBV/m	Grid 6 M4 25.35 dBV/m
Grid 7 M4 26.21 dBV/m	Grid 8 M4 27.82 dBV/m	Grid 9 M4 27.54 dBV/m



0 dB = 24.60 V/m = 27.82 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 = 23.95 V/m; Power Drift = -0.19 dB

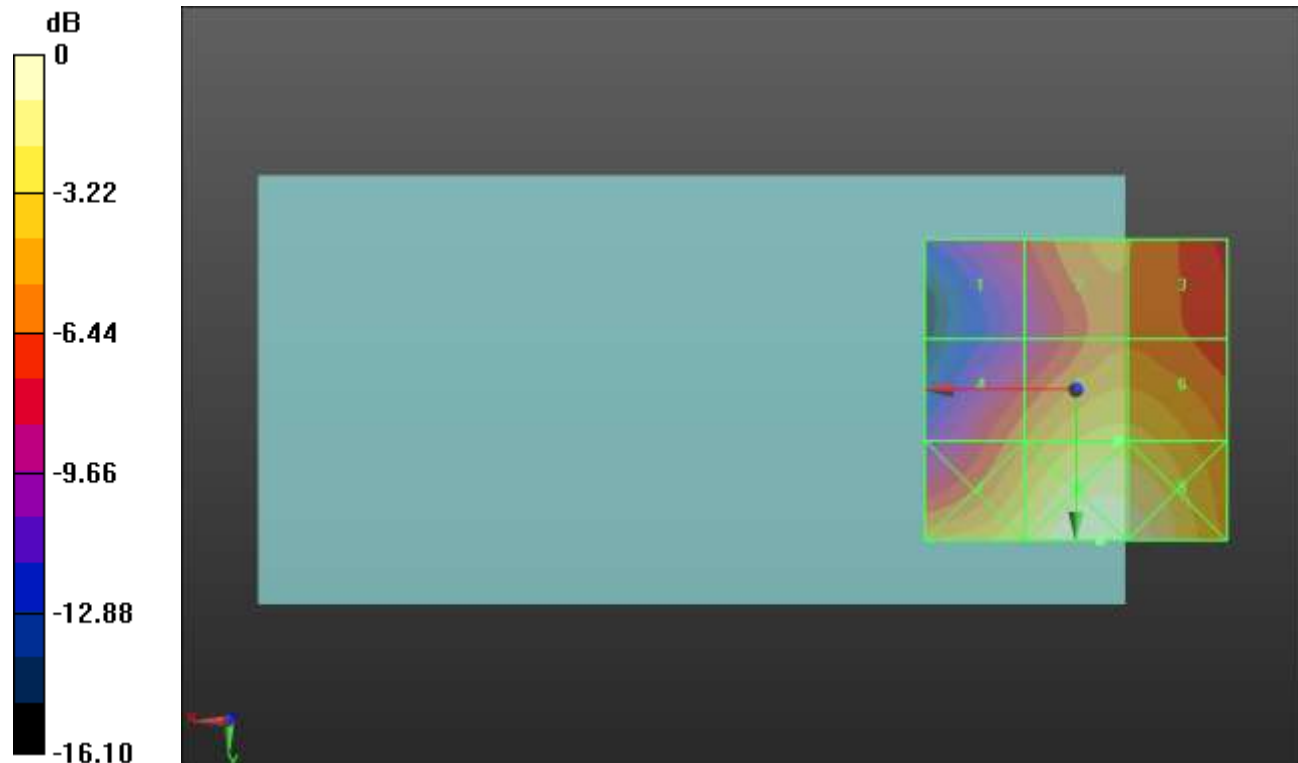
Applied MIF = -1.44 dB

RF audio interference level = 25.47 dBV/m

Emission category: **M4**

MIF scaled E-field

Grid 1 M4 20.51 dBV/m	Grid 2 M4 23.03 dBV/m	Grid 3 M4 22.91 dBV/m
Grid 4 M4 22.73 dBV/m	Grid 5 M4 25.47 dBV/m	Grid 6 M4 25.43 dBV/m
Grid 7 M4 26.18 dBV/m	Grid 8 M4 28.15 dBV/m	Grid 9 M4 27.86 dBV/m



0 dB = 25.57 V/m = 28.15 dBV/m

HAC-RF Emission

Communication System: UID 10173 - CAC, LTE-TDD (SC-FDMA, 1 RB, 20 MHz, 16-QAM); Frequency: 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 = 23.80 V/m; Power Drift = 0.15 dB

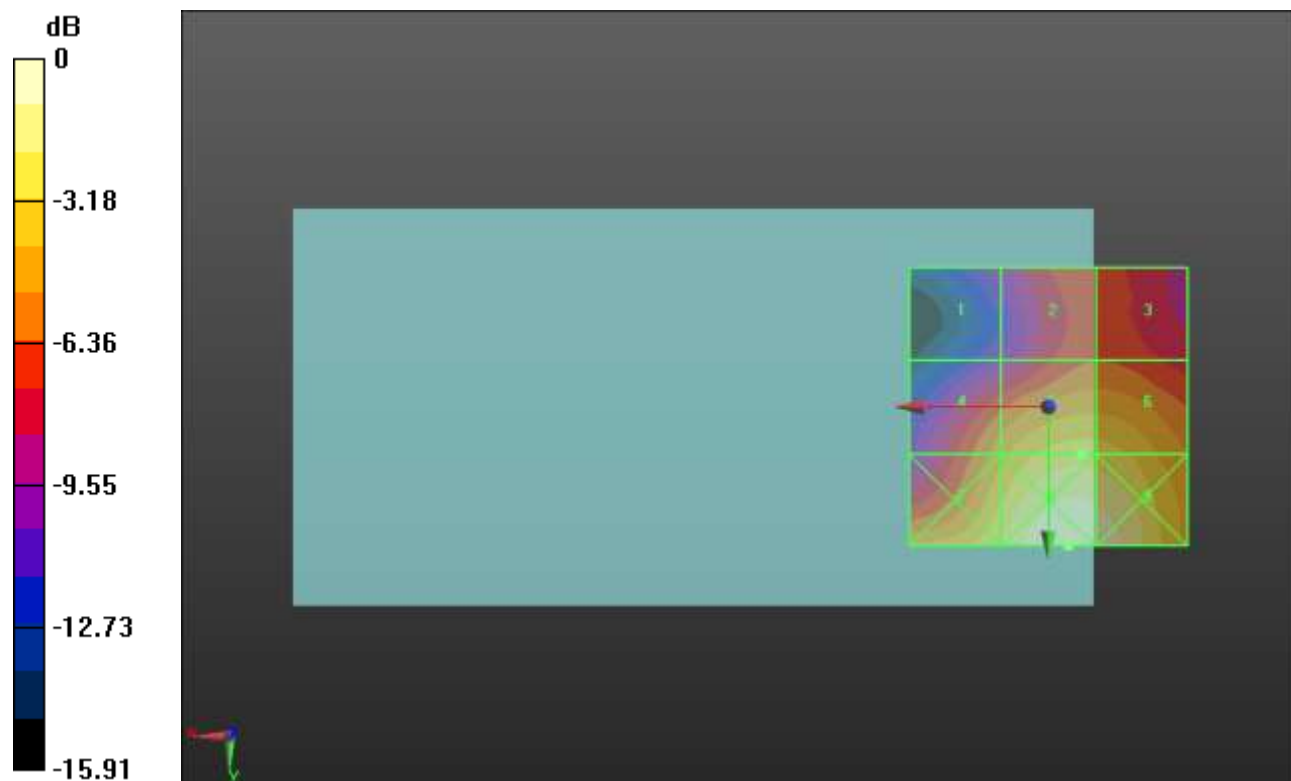
Applied MIF = -1.44 dB

RF audio interference level = 26.16 dBV/m

Emission category: **M4**

MIF scaled E-field

Grid 1 M4 18.99 dBV/m	Grid 2 M4 22.33 dBV/m	Grid 3 M4 22.34 dBV/m
Grid 4 M4 24.11 dBV/m	Grid 5 M4 26.16 dBV/m	Grid 6 M4 26.09 dBV/m
Grid 7 M4 26.79 dBV/m	Grid 8 M4 28.72 dBV/m	Grid 9 M4 28.41 dBV/m



0 dB = 27.29 V/m = 28.72 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 = 23.70 V/m; Power Drift = -0.04 dB

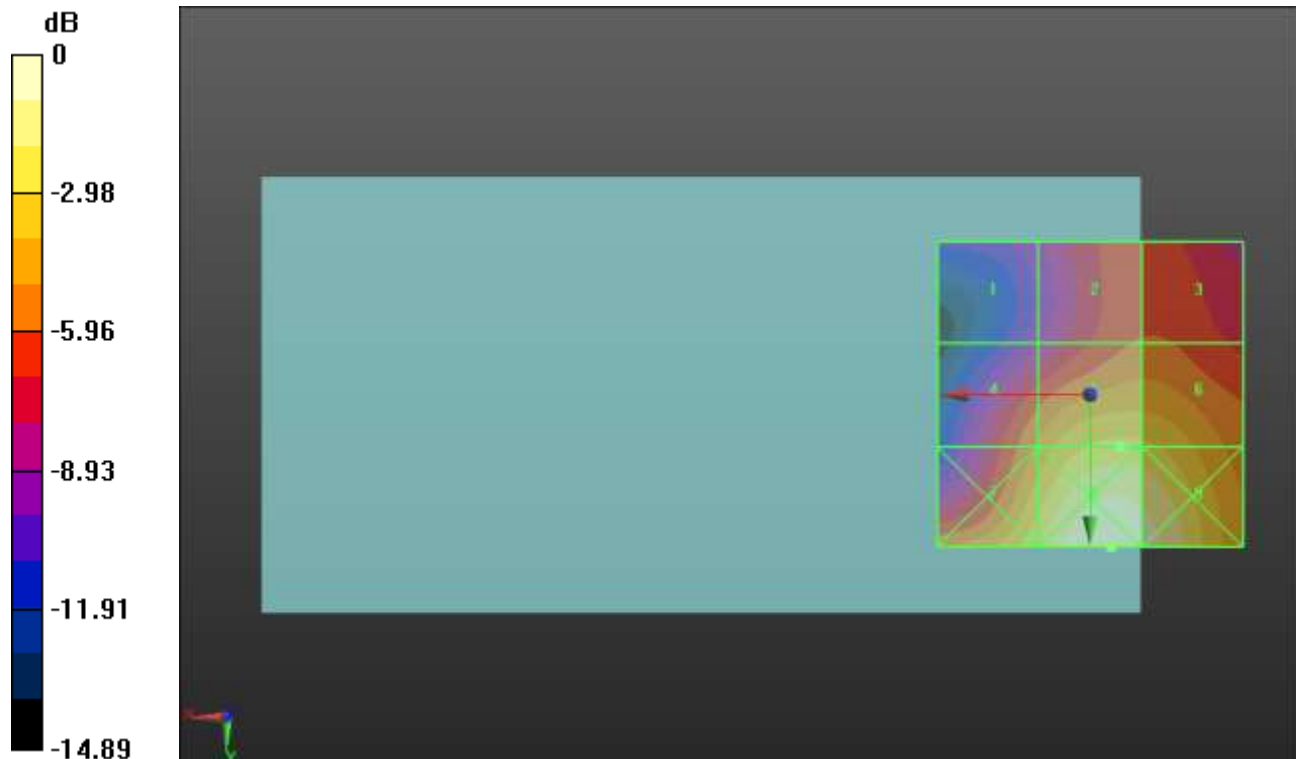
Applied MIF = -1.44 dB

RF audio interference level = 26.80 dBV/m

Emission category: **M4**

MIF scaled E-field

Grid 1 M4 20.43 dBV/m	Grid 2 M4 23.57 dBV/m	Grid 3 M4 23.59 dBV/m
Grid 4 M4 24.66 dBV/m	Grid 5 M4 26.8 dBV/m	Grid 6 M4 26.69 dBV/m
Grid 7 M4 27.42 dBV/m	Grid 8 M4 29.41 dBV/m	Grid 9 M4 29.02 dBV/m



0 dB = 29.55 V/m = 29.41 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 = 15.39 V/m; Power Drift = 0.06 dB

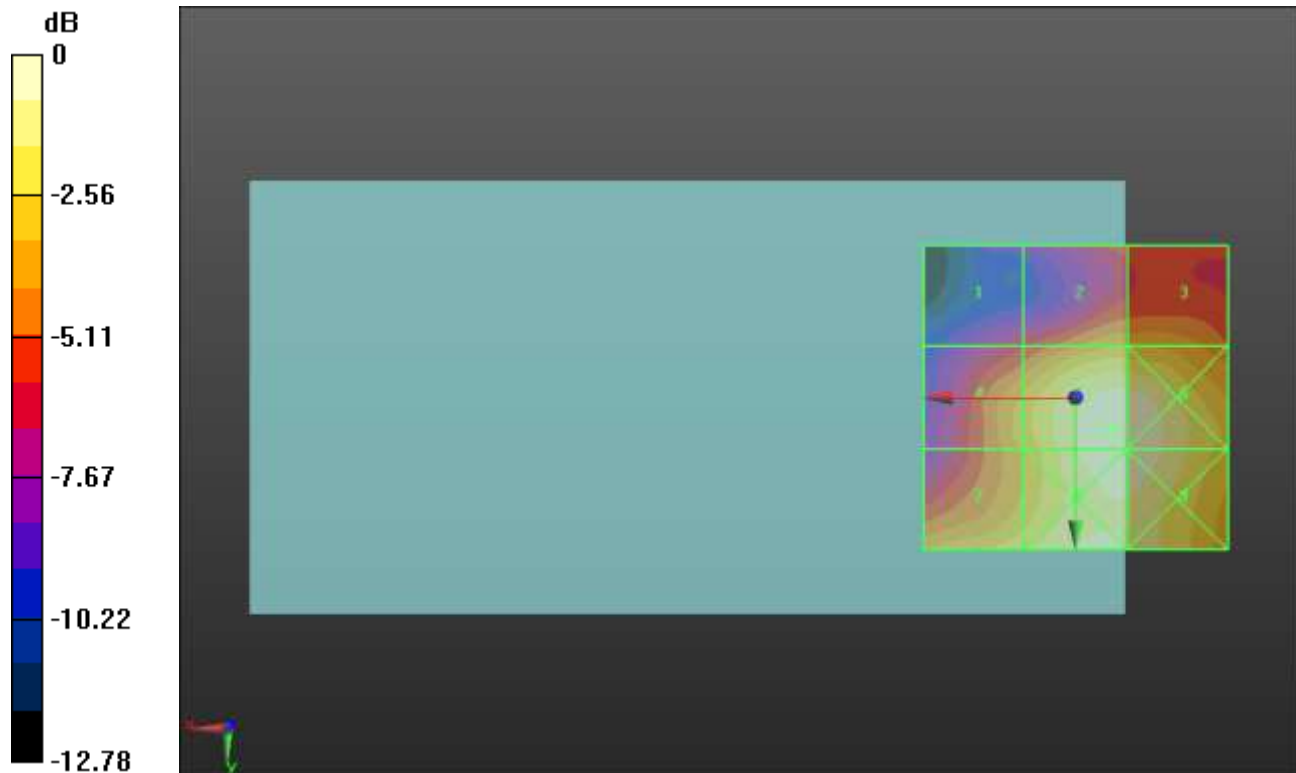
Applied MIF = -1.44 dB

RF audio interference level = 20.31 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 14.18 dBV/m	Grid 2 M4 16.9 dBV/m	Grid 3 M4 16.86 dBV/m
Grid 4 M4 17.47 dBV/m	Grid 5 M4 20.31 dBV/m	Grid 6 M4 20.21 dBV/m
Grid 7 M4 18.51 dBV/m	Grid 8 M4 20.06 dBV/m	Grid 9 M4 20.04 dBV/m



0 dB = 10.36 V/m = 20.31 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 = 26.11 V/m; Power Drift = -0.07 dB

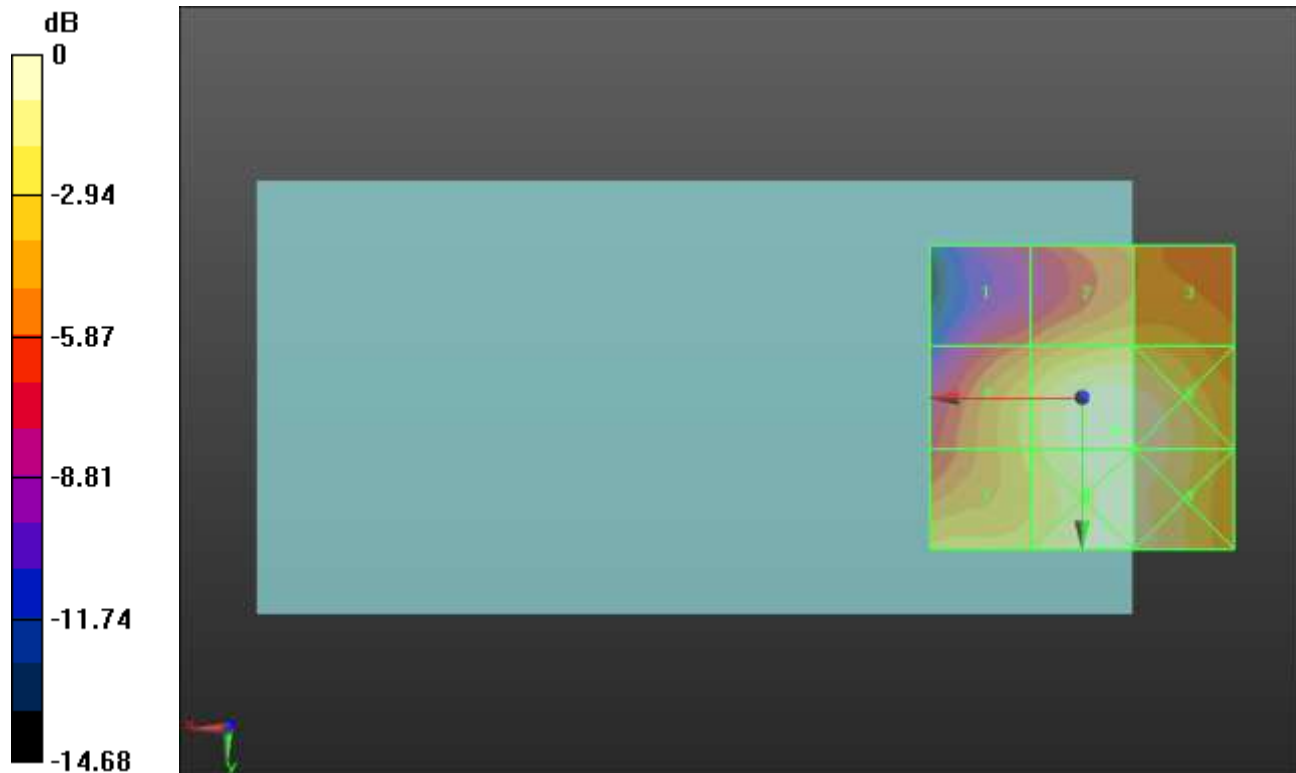
Applied MIF = -1.44 dB

RF audio interference level = 24.56 dBV/m

Emission category: **M4**

MIF scaled E-field

Grid 1 M4 19.07 dBV/m	Grid 2 M4 21.63 dBV/m	Grid 3 M4 21.62 dBV/m
Grid 4 M4 22.19 dBV/m	Grid 5 M4 24.56 dBV/m	Grid 6 M4 24.43 dBV/m
Grid 7 M4 22.59 dBV/m	Grid 8 M4 24.35 dBV/m	Grid 9 M4 24.29 dBV/m



0 dB = 16.90 V/m = 24.56 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 = 27.00 V/m; Power Drift = -0.10 dB

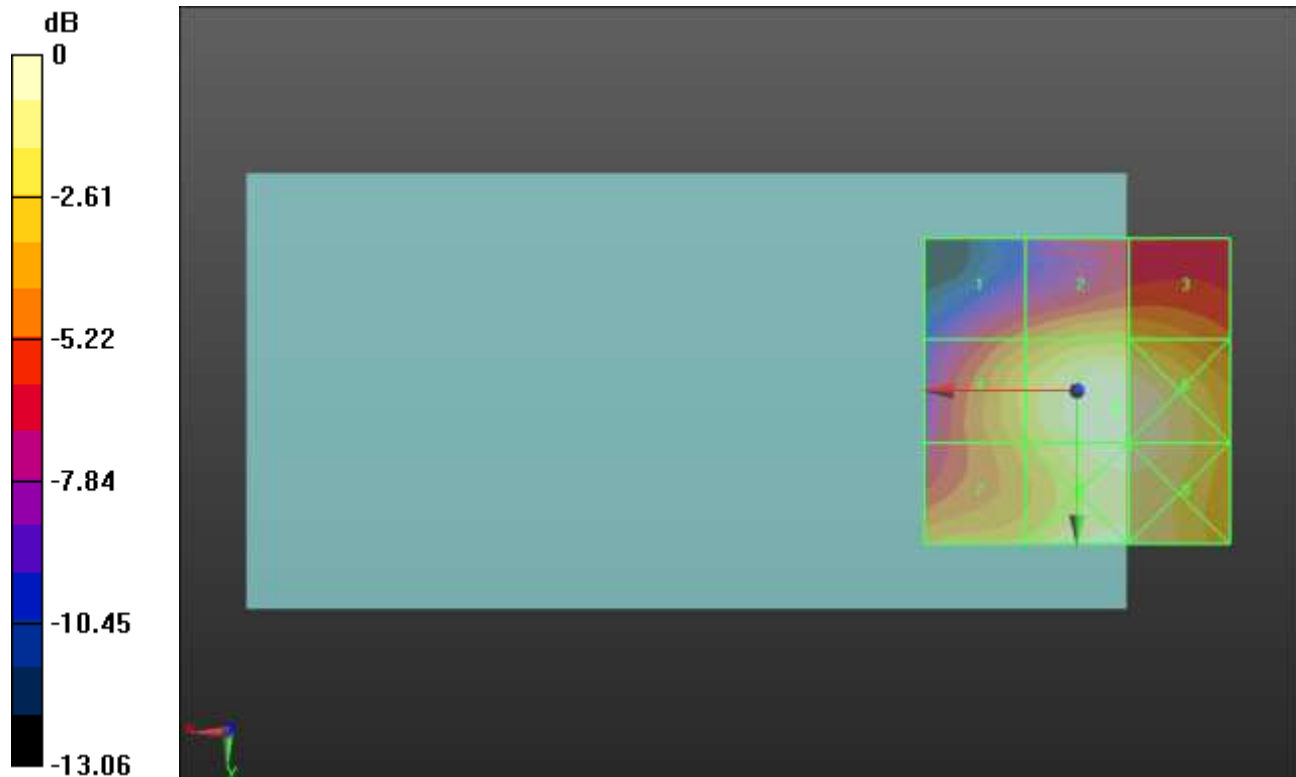
Applied MIF = -1.44 dB

RF audio interference level = 24.63 dBV/m

Emission category: **M4**

MIF scaled E-field

Grid 1 M4 20.04 dBV/m	Grid 2 M4 21.7 dBV/m	Grid 3 M4 21.62 dBV/m
Grid 4 M4 22.37 dBV/m	Grid 5 M4 24.63 dBV/m	Grid 6 M4 24.58 dBV/m
Grid 7 M4 22.4 dBV/m	Grid 8 M4 24.31 dBV/m	Grid 9 M4 24.3 dBV/m



0 dB = 17.04 V/m = 24.63 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 = 17.86 V/m; Power Drift = 0.04 dB

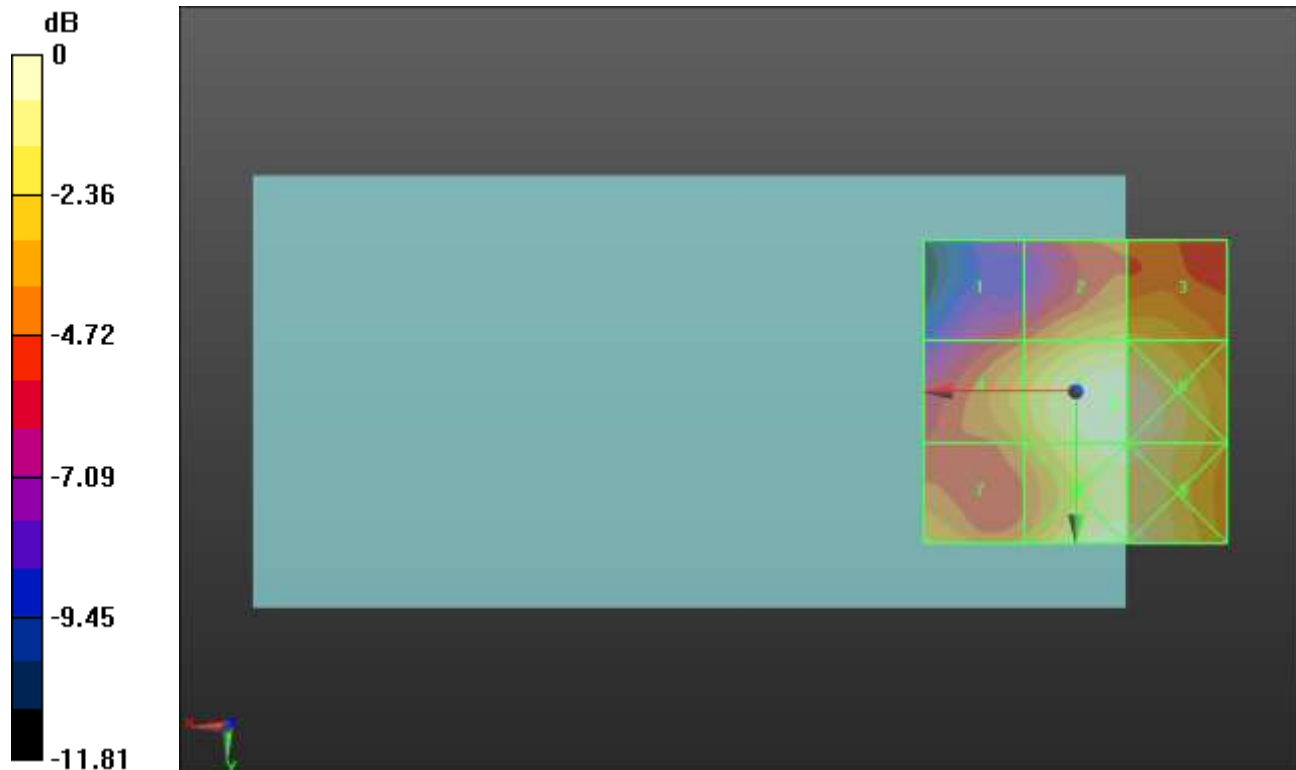
Applied MIF = -1.44 dB

RF audio interference level = 21.28 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 16.45 dBV/m	Grid 2 M4 19.2 dBV/m	Grid 3 M4 19.2 dBV/m
Grid 4 M4 18.76 dBV/m	Grid 5 M4 21.28 dBV/m	Grid 6 M4 21.19 dBV/m
Grid 7 M4 18.41 dBV/m	Grid 8 M4 21.08 dBV/m	Grid 9 M4 21.03 dBV/m



0 dB = 11.59 V/m = 21.28 dBV/m

HAC-RF Emission

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

Phantom section: RF Section

DASY5 Configuration:

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

802.11b E-Field measurement/IEEE 802.11b_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 = 55.78 V/m; Power Drift = 0.15 dB

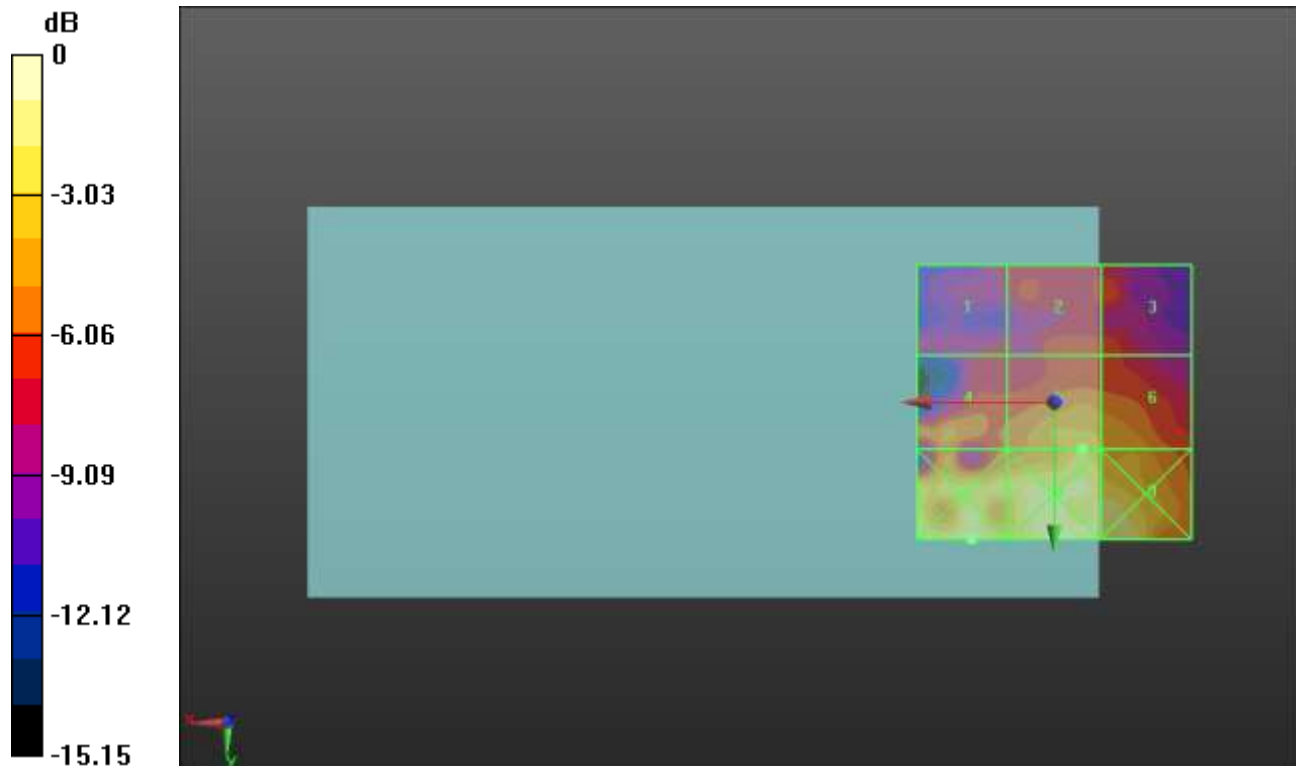
Applied MIF = -2.02 dB

RF audio interference level = 31.52 dBV/m

Emission category: **M3**

MIF scaled E-field

Grid 1 M4 27.2 dBV/m	Grid 2 M4 28.59 dBV/m	Grid 3 M4 28.59 dBV/m
Grid 4 M4 29.99 dBV/m	Grid 5 M3 31.52 dBV/m	Grid 6 M3 30.77 dBV/m
Grid 7 M3 34.69 dBV/m	Grid 8 M3 34.26 dBV/m	Grid 9 M3 33.53 dBV/m



0 dB = 54.27 V/m = 34.69 dBV/m

HAC-RF Emission

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

Phantom section: RF Section

DASY5 Configuration:

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

802.11b E-Field measurement/IEEE 802.11b_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 = 57.83 V/m; Power Drift = 0.81 dB

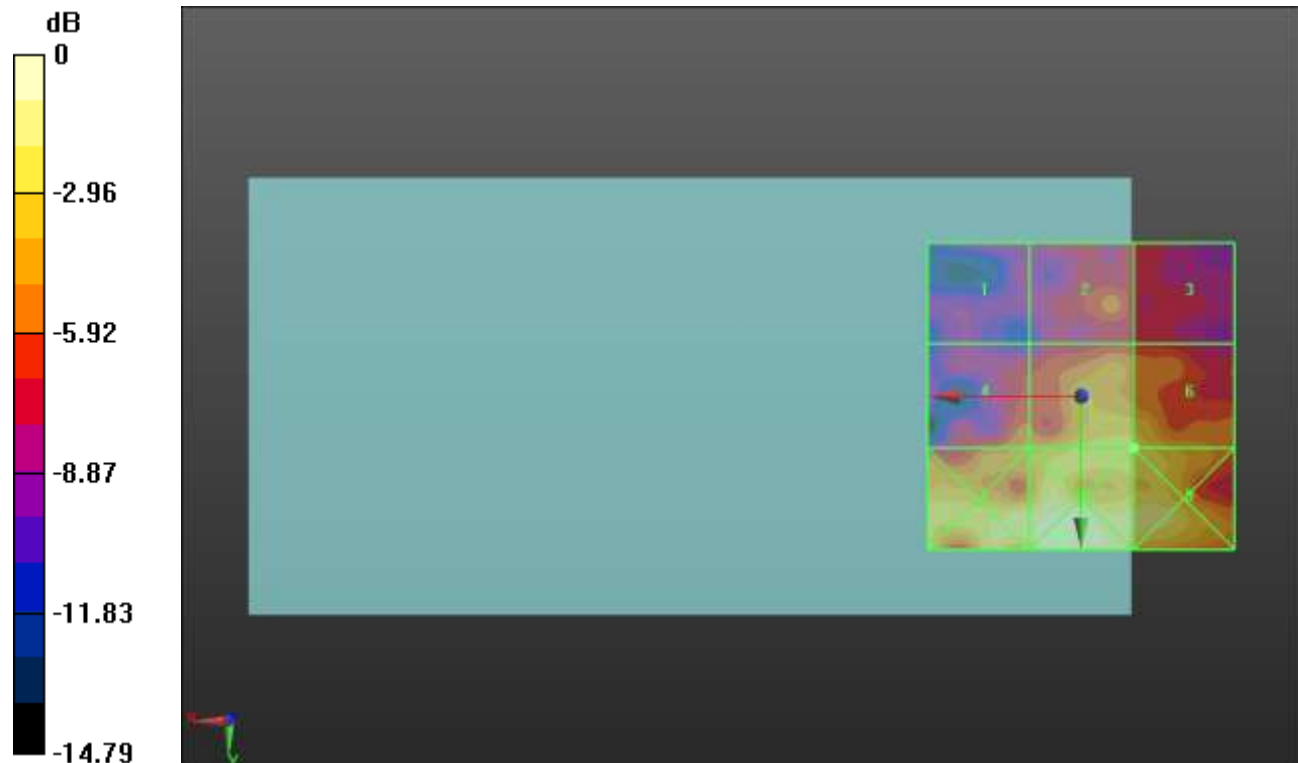
Applied MIF = -2.02 dB

RF audio interference level = 32.61 dBV/m

Emission category: **M3**

MIF scaled E-field

Grid 1 M4 27.32 dBV/m	Grid 2 M4 29.56 dBV/m	Grid 3 M4 28.06 dBV/m
Grid 4 M3 30.52 dBV/m	Grid 5 M3 32.61 dBV/m	Grid 6 M3 32.61 dBV/m
Grid 7 M3 33.82 dBV/m	Grid 8 M3 34.97 dBV/m	Grid 9 M3 33.6 dBV/m



0 dB = 56.03 V/m = 34.97 dBV/m

HAC-RF Emission

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

Phantom section: RF Section

DASY5 Configuration:

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

802.11b E-Field measurement/IEEE 802.11b_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 = 65.20 V/m; Power Drift = 0.13 dB

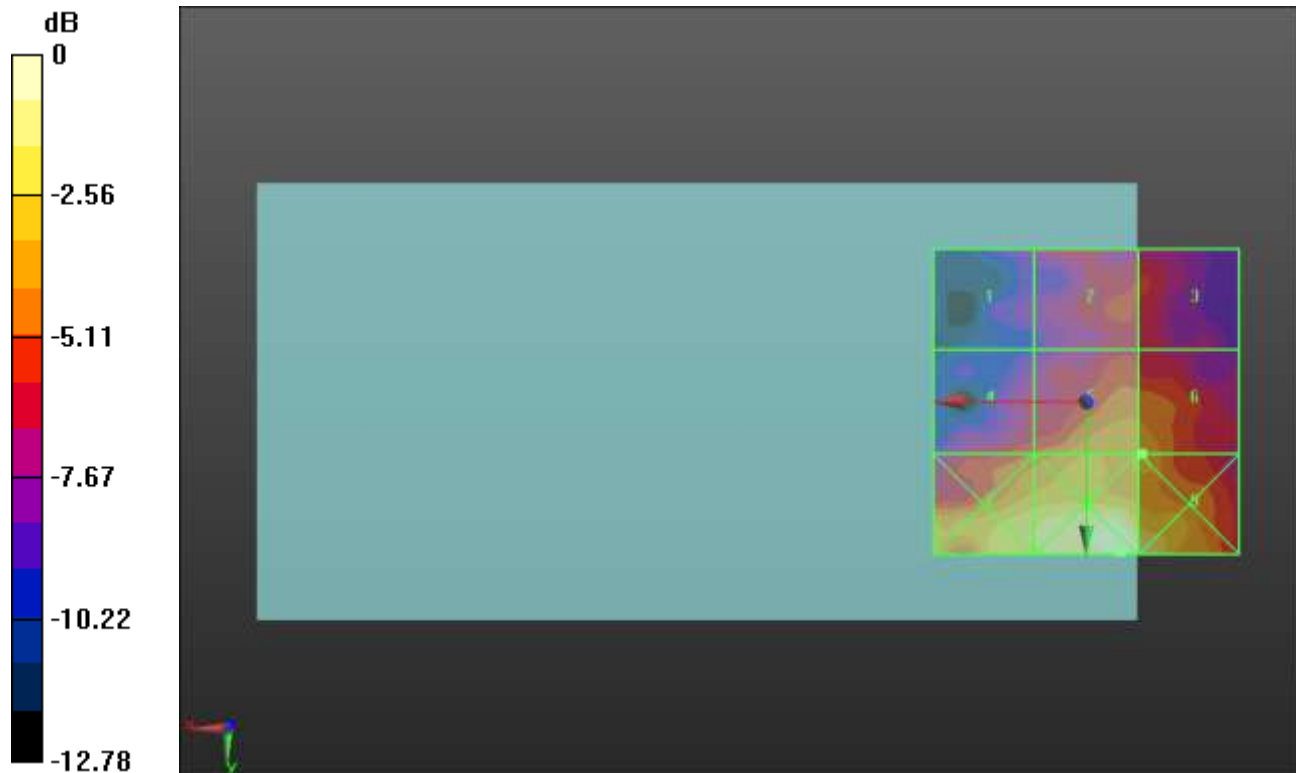
Applied MIF = -2.02 dB

RF audio interference level = 32.69 dBV/m

Emission category: **M3**

MIF scaled E-field

Grid 1 M4 29.02 dBV/m	Grid 2 M3 30.4 dBV/m	Grid 3 M3 30.25 dBV/m
Grid 4 M3 31.06 dBV/m	Grid 5 M3 32.68 dBV/m	Grid 6 M3 32.69 dBV/m
Grid 7 M3 34.45 dBV/m	Grid 8 M2 36.04 dBV/m	Grid 9 M2 35.67 dBV/m



0 dB = 63.37 V/m = 36.04 dBV/m

HAC-RF Emission

Communication System: UID 10077 - CAB, IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 54 Mbps); Frequency: 2422 MHz; Duty Cycle: 1:12.5893

Phantom section: RF Section

DASY5 Configuration:

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

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

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

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 55.00 V/m; Power Drift = -0.21 dB

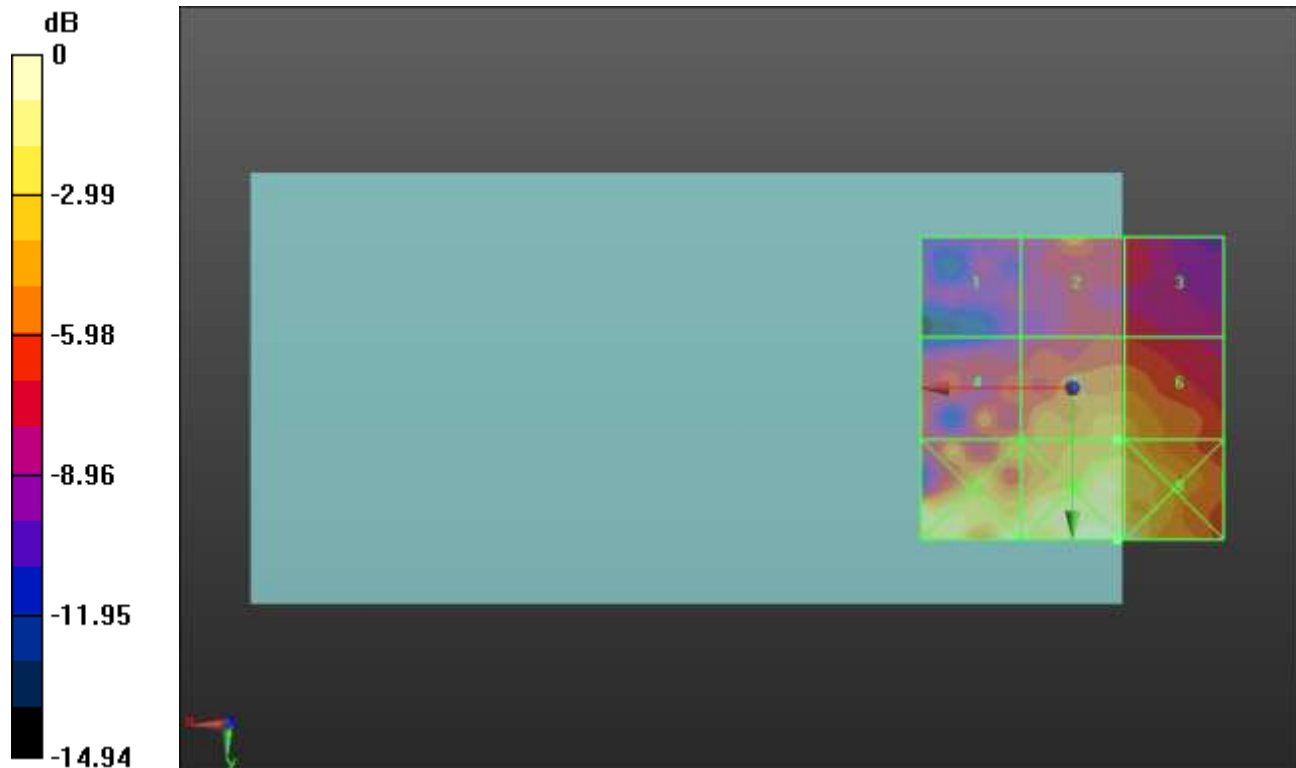
Applied MIF = 0.12 dB

RF audio interference level = 33.49 dBV/m

Emission category: **M3**

MIF scaled E-field

Grid 1 M4 29.07 dBV/m	Grid 2 M3 32.06 dBV/m	Grid 3 M4 29.98 dBV/m
Grid 4 M3 31.86 dBV/m	Grid 5 M3 33.49 dBV/m	Grid 6 M3 33.46 dBV/m
Grid 7 M2 36.76 dBV/m	Grid 8 M2 37.01 dBV/m	Grid 9 M2 36.96 dBV/m



0 dB = 70.84 V/m = 37.01 dBV/m

HAC-RF Emission

Communication System: UID 10077 - CAB, IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 54 Mbps); Frequency: 2437 MHz; Duty Cycle: 1:12.5893

Phantom section: RF Section

DASY5 Configuration:

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

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

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

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 63.75 V/m; Power Drift = -1.93 dB

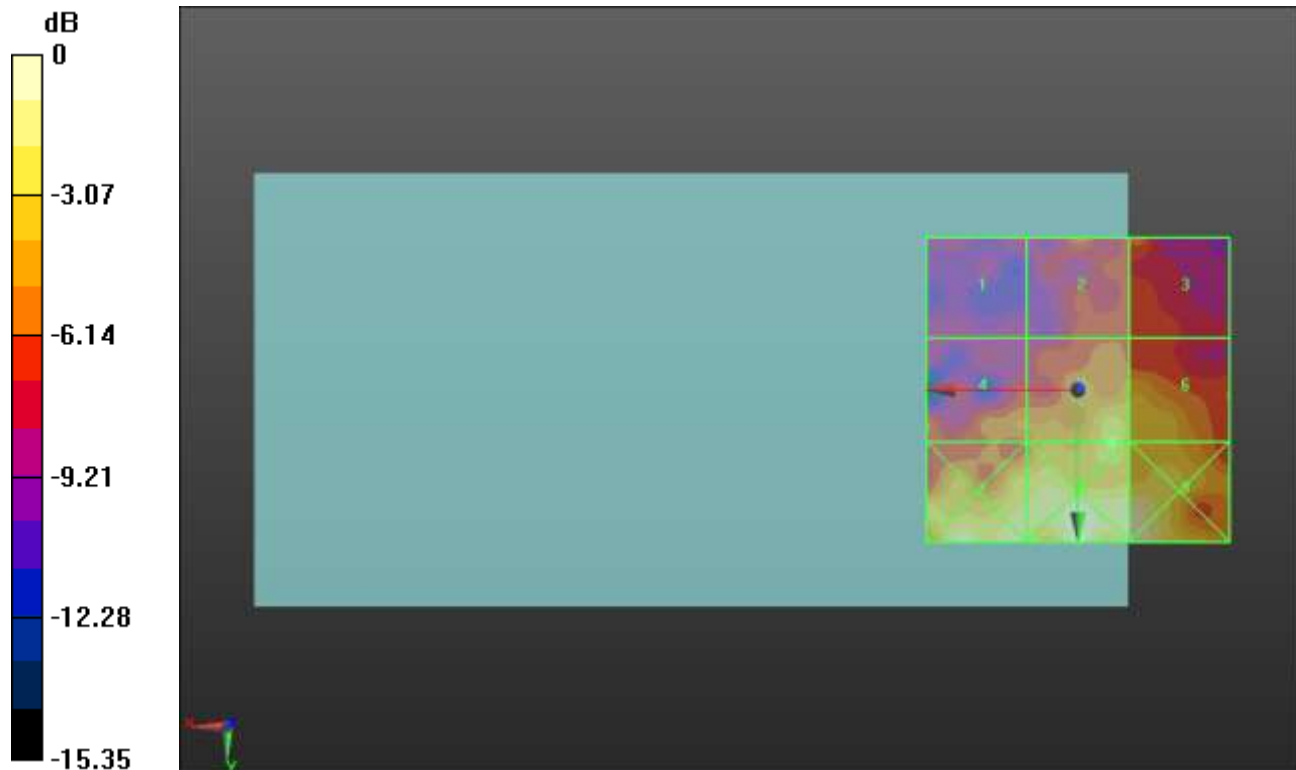
Applied MIF = 0.12 dB

RF audio interference level = 34.47 dBV/m

Emission category: **M3**

MIF scaled E-field

Grid 1 M4 29.64 dBV/m	Grid 2 M3 31.56 dBV/m	Grid 3 M3 31.54 dBV/m
Grid 4 M3 32.02 dBV/m	Grid 5 M3 34.47 dBV/m	Grid 6 M3 33.75 dBV/m
Grid 7 M2 36.46 dBV/m	Grid 8 M2 37 dBV/m	Grid 9 M2 36.7 dBV/m



0 dB = 70.76 V/m = 37.00 dBV/m

HAC-RF Emission

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

Phantom section: RF Section

DASY5 Configuration:

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

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

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

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 67.07 V/m; Power Drift = -0.45 dB

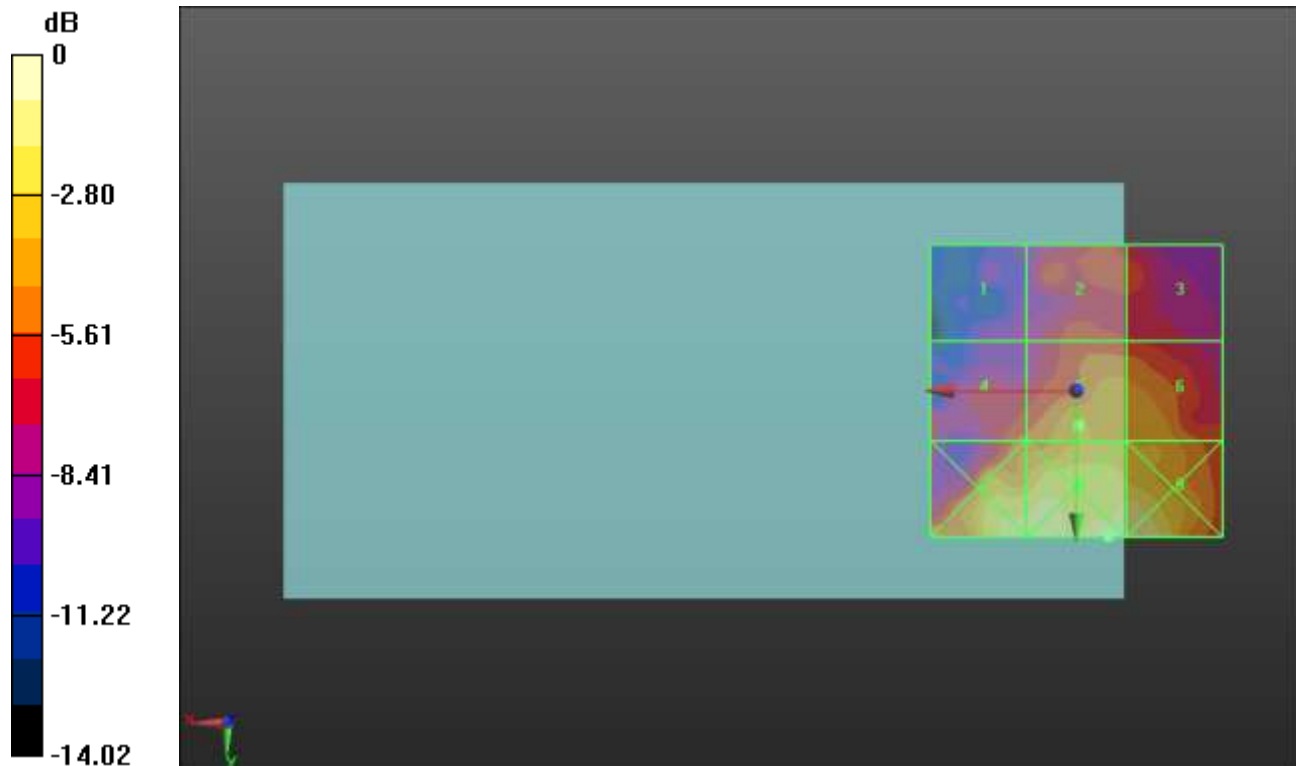
Applied MIF = 0.12 dB

RF audio interference level = 34.02 dBV/m

Emission category: **M3**

MIF scaled E-field

Grid 1 M4 29.54 dBV/m	Grid 2 M3 31.87 dBV/m	Grid 3 M3 31.66 dBV/m
Grid 4 M3 32.4 dBV/m	Grid 5 M3 34.02 dBV/m	Grid 6 M3 33.79 dBV/m
Grid 7 M2 36.45 dBV/m	Grid 8 M2 37.54 dBV/m	Grid 9 M2 37.07 dBV/m



0 dB = 75.37 V/m = 37.54 dBV/m

HAC-RF Emission

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

Phantom section: RF Section

DASY5 Configuration:

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

802.11a E-Field measurement/IEEE 802.11a_OFDM 54 Mbps_ch 40/Hearing Aid Compatibility Test (101x101x1):

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

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 6.486 V/m; Power Drift = 2.08 dB

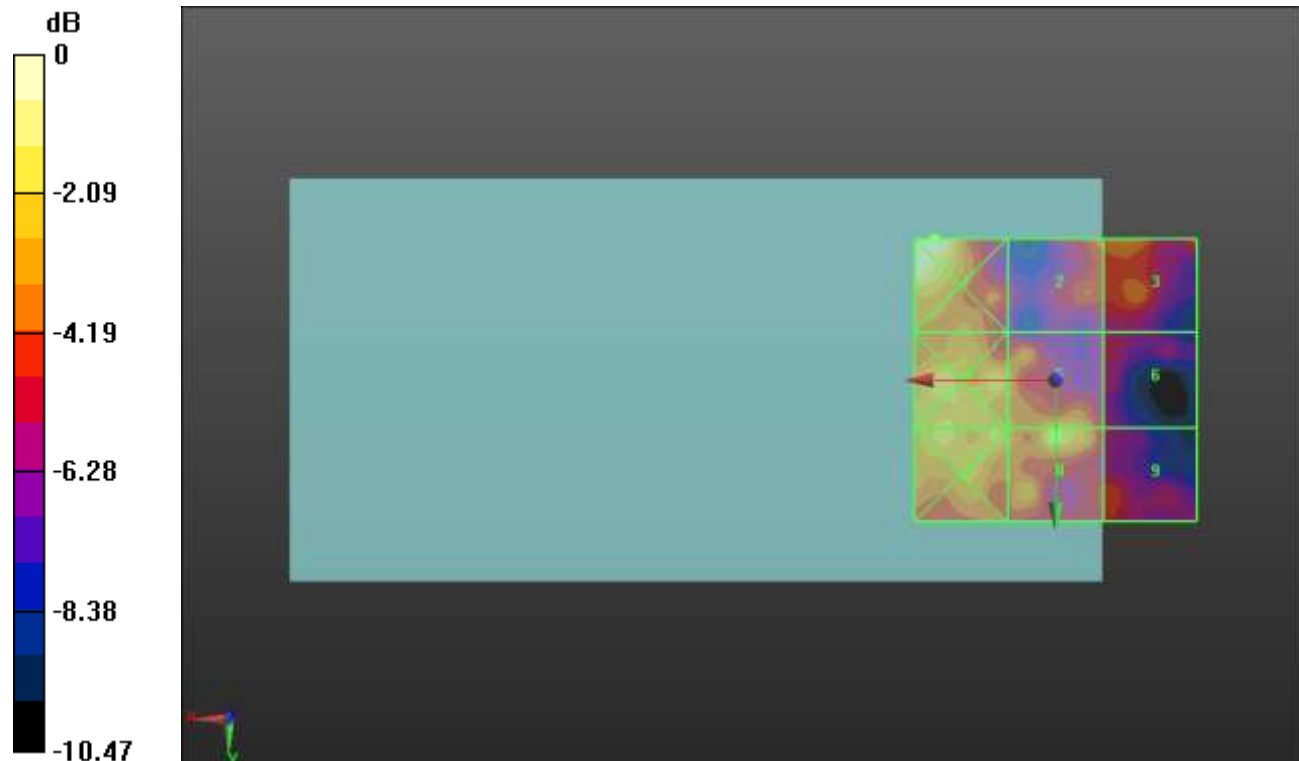
Applied MIF = -3.15 dB

RF audio interference level = 15.66 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 16.72 dBV/m	Grid 2 M4 13.24 dBV/m	Grid 3 M4 13.69 dBV/m
Grid 4 M4 15.22 dBV/m	Grid 5 M4 14.93 dBV/m	Grid 6 M4 11.37 dBV/m
Grid 7 M4 14.92 dBV/m	Grid 8 M4 15.66 dBV/m	Grid 9 M4 12.41 dBV/m



0 dB = 6.853 V/m = 16.72 dBV/m

HAC-RF Emission

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

Phantom section: RF Section

DASY5 Configuration:

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

802.11a E-Field measurement/IEEE 802.11a_OFDM 54 Mbps_ch 44/Hearing Aid Compatibility Test (101x101x1): Interpolated grid: dx=0.5000 mm, dy=0.5000 mm

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 7.153 V/m; Power Drift = 4.28 dB

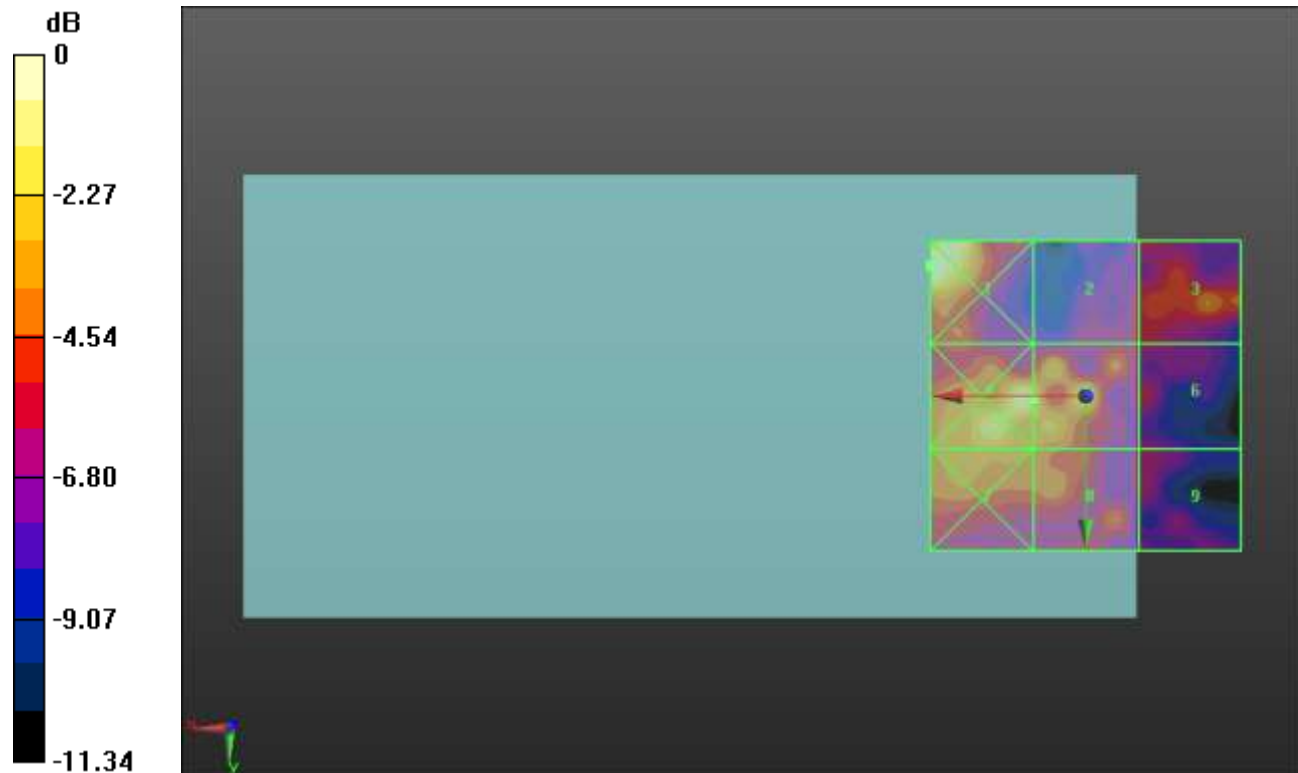
Applied MIF = -3.15 dB

RF audio interference level = 16.34 dBV/m

Emission category: **M4**

MIF scaled E-field

Grid 1 M4 18.02 dBV/m	Grid 2 M4 12.44 dBV/m	Grid 3 M4 14.35 dBV/m
Grid 4 M4 17.42 dBV/m	Grid 5 M4 16.34 dBV/m	Grid 6 M4 12.16 dBV/m
Grid 7 M4 14.87 dBV/m	Grid 8 M4 14.29 dBV/m	Grid 9 M4 11.93 dBV/m



0 dB = 7.960 V/m = 18.02 dBV/m

HAC-RF Emission

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

Phantom section: RF Section

DASY5 Configuration:

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

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

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

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 6.676 V/m; Power Drift = -0.21 dB

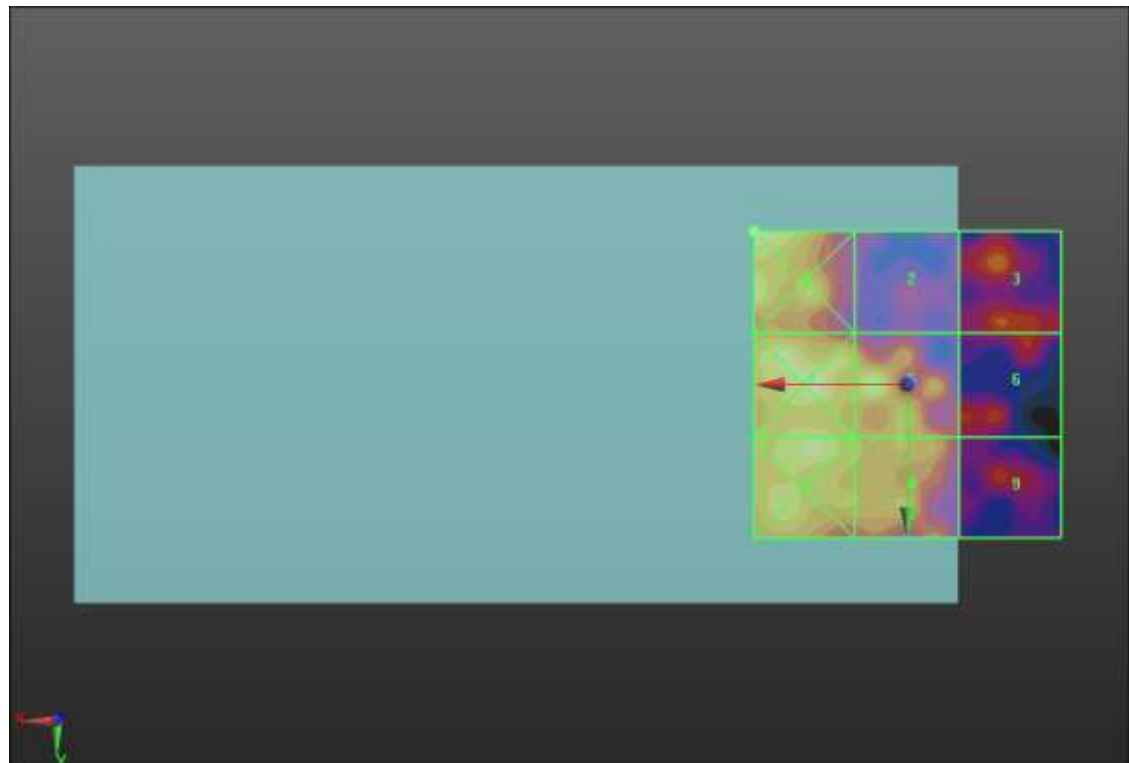
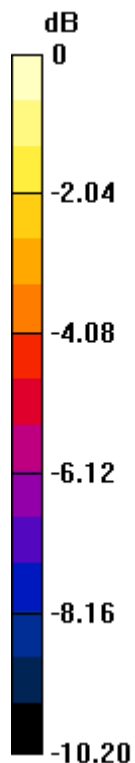
Applied MIF = -3.15 dB

RF audio interference level = 16.66 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 17.37 dBV/m	Grid 2 M4 11.68 dBV/m	Grid 3 M4 13.85 dBV/m
Grid 4 M4 16.93 dBV/m	Grid 5 M4 16.66 dBV/m	Grid 6 M4 13.16 dBV/m
Grid 7 M4 16.5 dBV/m	Grid 8 M4 14.9 dBV/m	Grid 9 M4 13.1 dBV/m



0 dB = 7.391 V/m = 17.37 dBV/m

HAC-RF Emission

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

Phantom section: RF Section

DASY5 Configuration:

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

802.11a E-Field measurement/IEEE 802.11a_OFDM 54 Mbps_ch 52/Hearing Aid Compatibility Test (101x101x1):

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

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 7.187 V/m; Power Drift = -0.48 dB

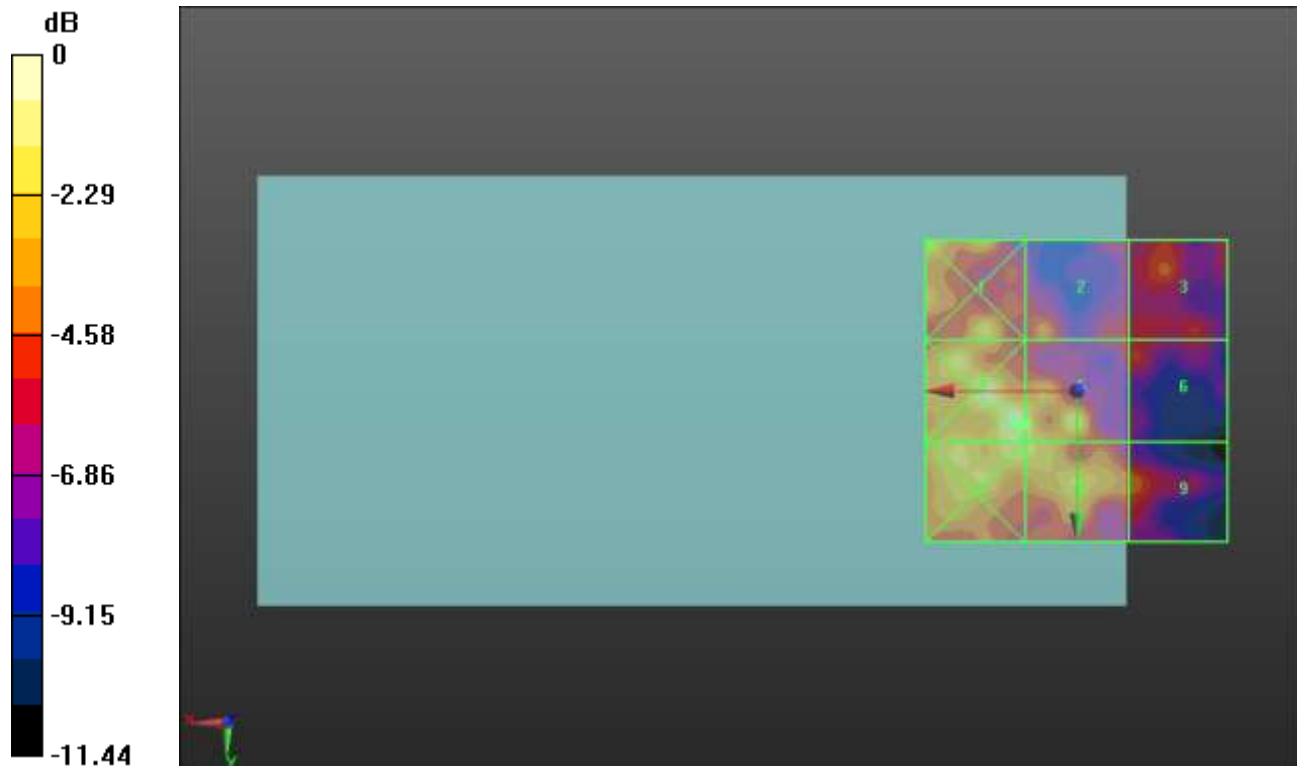
Applied MIF = -3.15 dB

RF audio interference level = 17.30 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 18.25 dBV/m	Grid 2 M4 14.26 dBV/m	Grid 3 M4 13.93 dBV/m
Grid 4 M4 18.29 dBV/m	Grid 5 M4 17.3 dBV/m	Grid 6 M4 13.14 dBV/m
Grid 7 M4 16.85 dBV/m	Grid 8 M4 16.63 dBV/m	Grid 9 M4 14.4 dBV/m



0 dB = 8.209 V/m = 18.29 dBV/m

HAC-RF Emission

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

Phantom section: RF Section

DASY5 Configuration:

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

802.11a E-Field measurement/IEEE 802.11a_OFDM 54 Mbps_ch 56/Hearing Aid Compatibility Test (101x101x1):

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

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 12.45 V/m; Power Drift = -5.63 dB

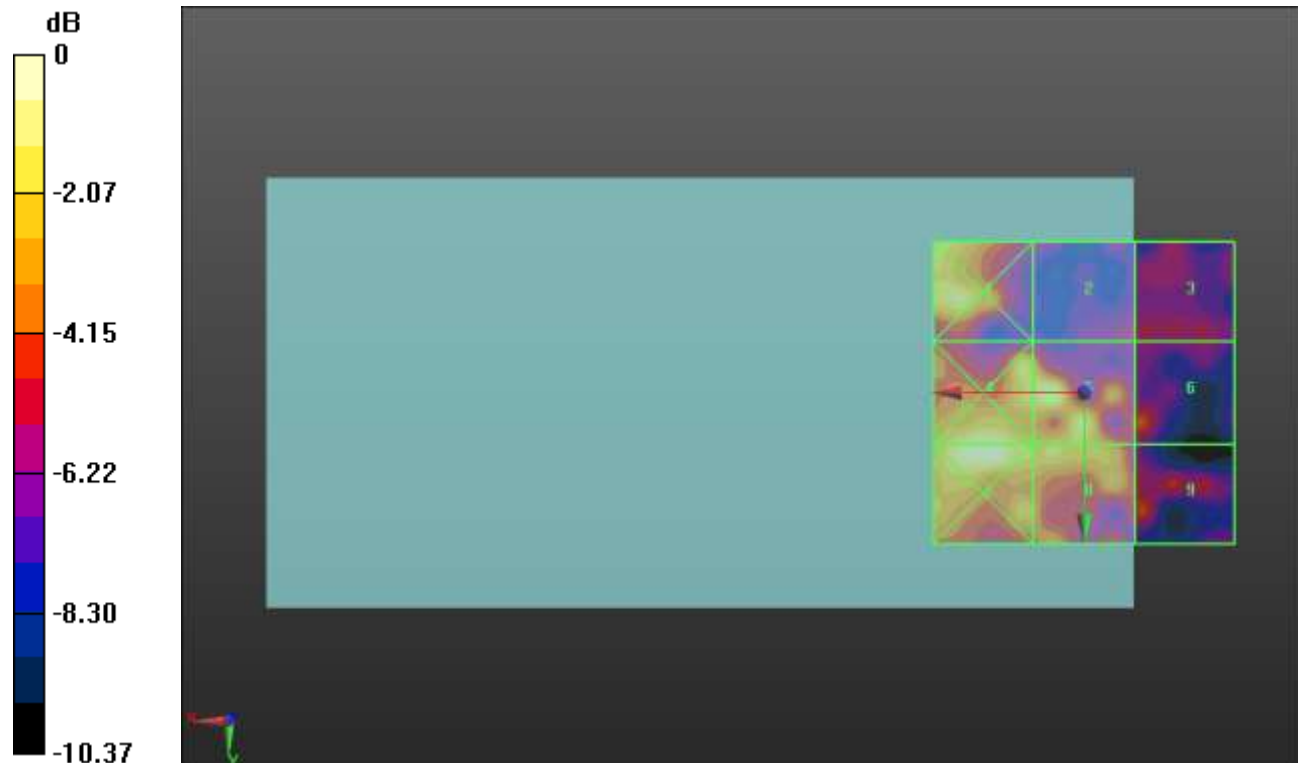
Applied MIF = -3.15 dB

RF audio interference level = 17.52 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 16.34 dBV/m	Grid 2 M4 11.88 dBV/m	Grid 3 M4 12.22 dBV/m
Grid 4 M4 17.09 dBV/m	Grid 5 M4 17.52 dBV/m	Grid 6 M4 13.57 dBV/m
Grid 7 M4 17.42 dBV/m	Grid 8 M4 15.62 dBV/m	Grid 9 M4 13.5 dBV/m



0 dB = 7.517 V/m = 17.52 dBV/m

HAC-RF Emission

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

Phantom section: RF Section

DASY5 Configuration:

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

802.11a E-Field measurement/IEEE 802.11a_OFDM 54 Mbps_ch 60/Hearing Aid Compatibility Test (101x101x1):

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

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 12.10 V/m; Power Drift = -0.09 dB

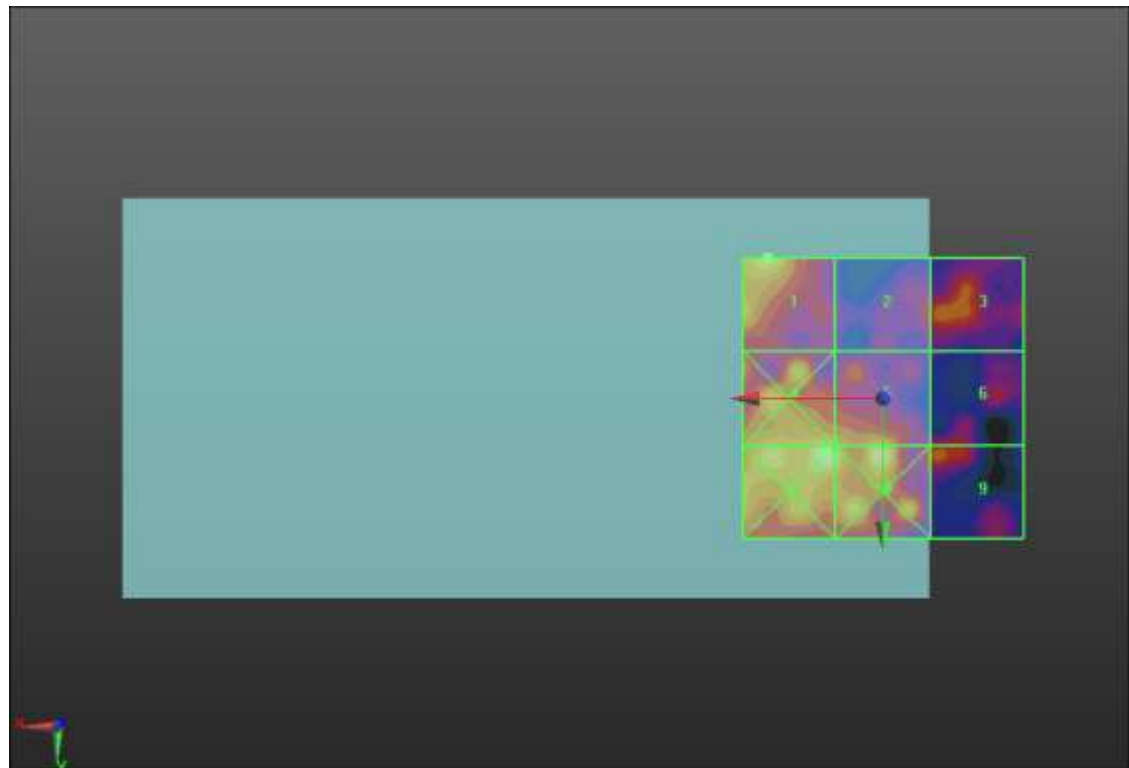
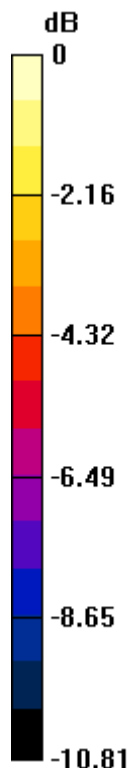
Applied MIF = -3.15 dB

RF audio interference level = 17.52 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 17.52 dBV/m	Grid 2 M4 13.68 dBV/m	Grid 3 M4 14.51 dBV/m
Grid 4 M4 17.27 dBV/m	Grid 5 M4 16.55 dBV/m	Grid 6 M4 13.55 dBV/m
Grid 7 M4 18.34 dBV/m	Grid 8 M4 17.81 dBV/m	Grid 9 M4 14.55 dBV/m



0 dB = 8.258 V/m = 18.34 dBV/m

HAC-RF Emission

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

Phantom section: RF Section

DASY5 Configuration:

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

802.11a E-Field measurement/IEEE 802.11a_OFDM 54 Mbps_ch 104/Hearing Aid Compatibility Test (101x101x1):

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

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 5.269 V/m; Power Drift = -0.07 dB

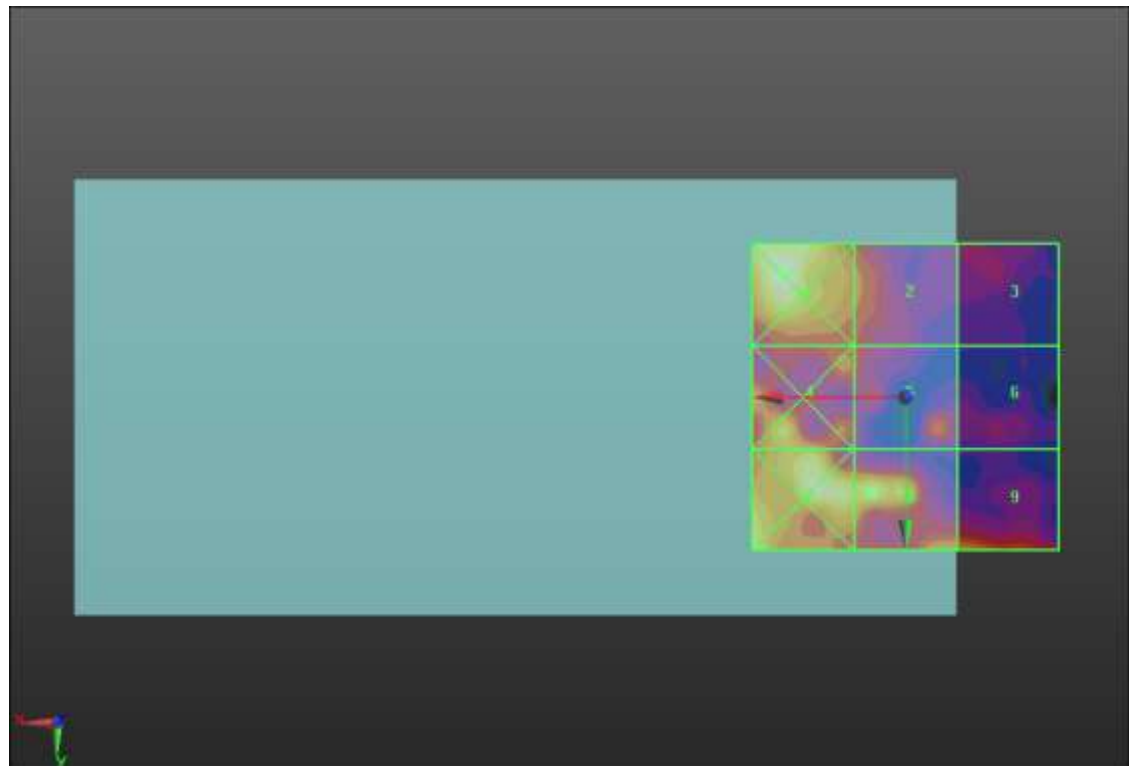
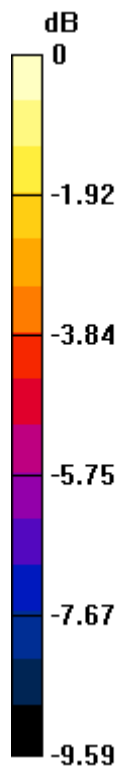
Applied MIF = -3.15 dB

RF audio interference level = 15.27 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 16.28 dBV/m	Grid 2 M4 12.84 dBV/m	Grid 3 M4 10.76 dBV/m
Grid 4 M4 14.6 dBV/m	Grid 5 M4 12.53 dBV/m	Grid 6 M4 10.77 dBV/m
Grid 7 M4 16.16 dBV/m	Grid 8 M4 15.27 dBV/m	Grid 9 M4 14.06 dBV/m



0 dB = 6.517 V/m = 16.28 dBV/m

HAC-RF Emission

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

Phantom section: RF Section

DASY5 Configuration:

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

802.11a E-Field measurement/IEEE 802.11a_OFDM 54 Mbps_ch 124/Hearing Aid Compatibility Test (101x101x1):

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

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 5.207 V/m; Power Drift = -0.27 dB

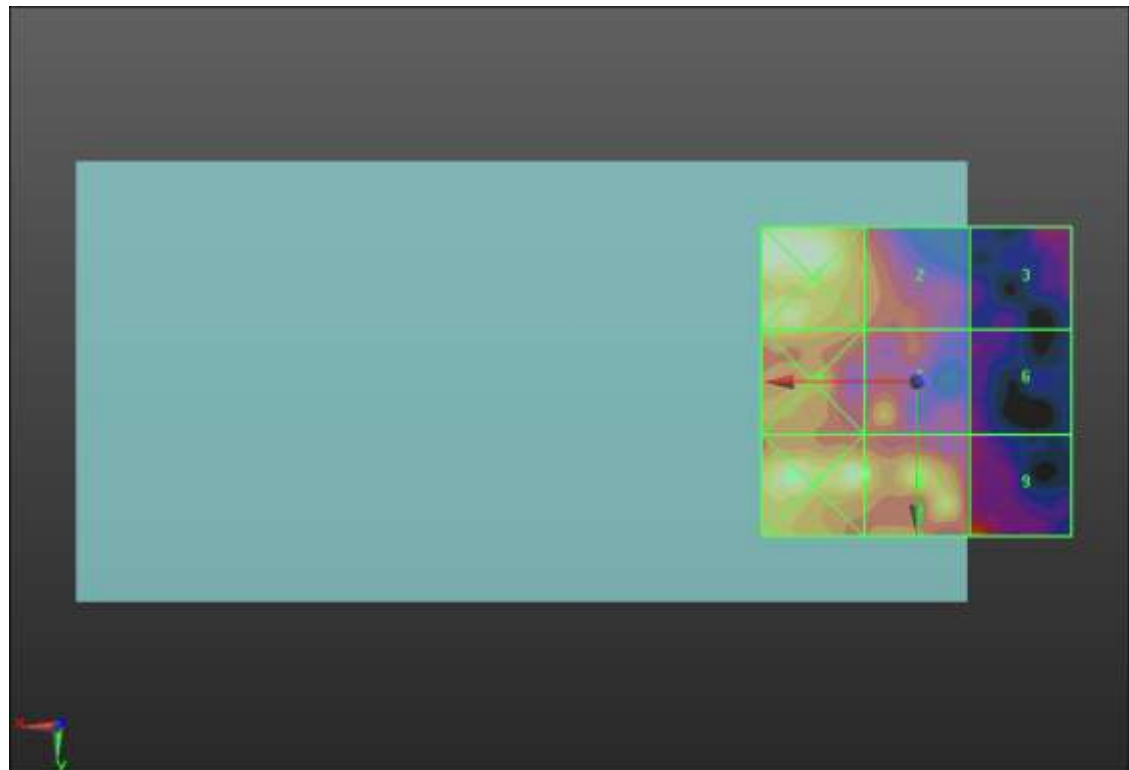
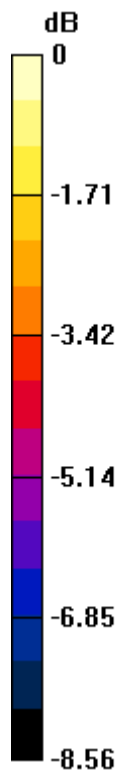
Applied MIF = -3.15 dB

RF audio interference level = 13.41 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 14.39 dBV/m	Grid 2 M4 11.58 dBV/m	Grid 3 M4 10.04 dBV/m
Grid 4 M4 12.84 dBV/m	Grid 5 M4 11.81 dBV/m	Grid 6 M4 9.45 dBV/m
Grid 7 M4 14.47 dBV/m	Grid 8 M4 13.41 dBV/m	Grid 9 M4 11.46 dBV/m



0 dB = 5.293 V/m = 14.47 dBV/m

HAC-RF Emission

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

Phantom section: RF Section

DASY5 Configuration:

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

802.11a E-Field measurement/IEEE 802.11a_OFDM 54 Mbps_ch 144/Hearing Aid Compatibility Test (101x101x1):

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

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 6.508 V/m; Power Drift = -0.27 dB

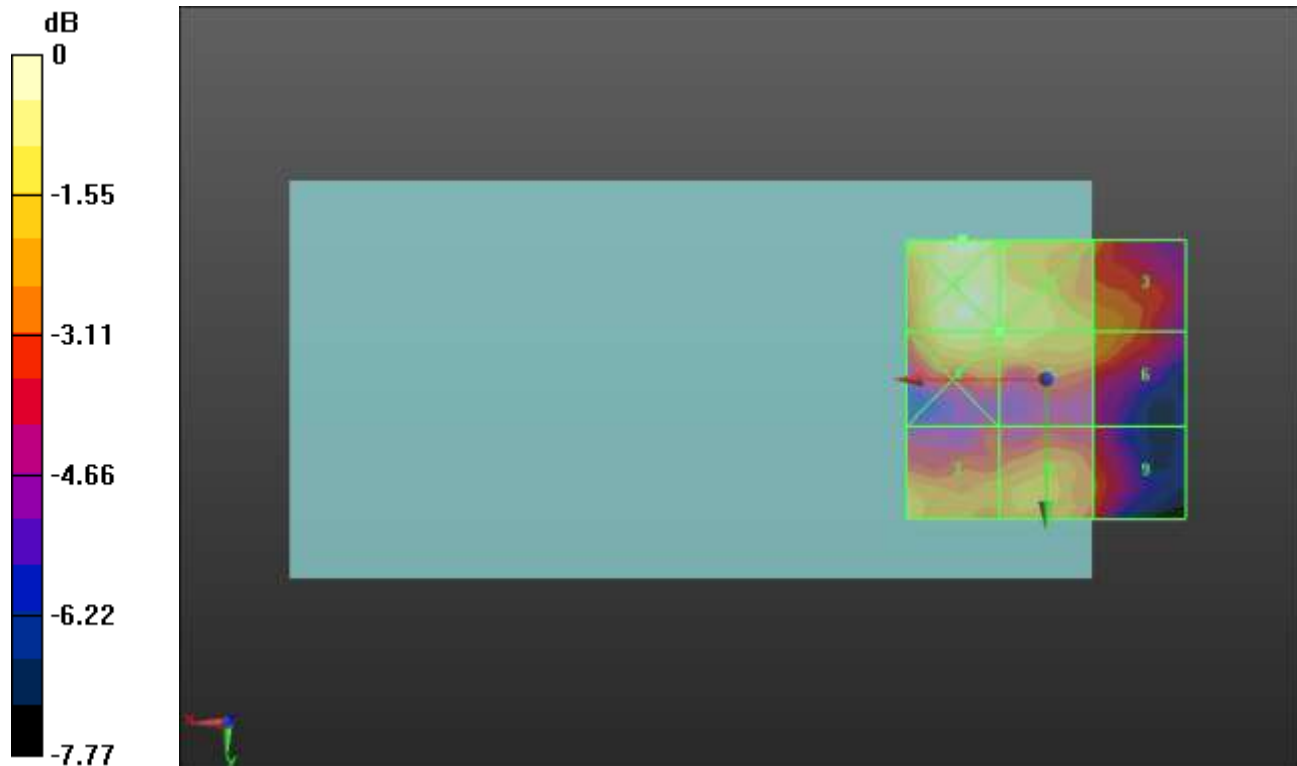
Applied MIF = -3.15 dB

RF audio interference level = 14.08 dBV/m

Emission category: **M4**

MIF scaled E-field

Grid 1 M4 15.25 dBV/m	Grid 2 M4 14.47 dBV/m	Grid 3 M4 13.23 dBV/m
Grid 4 M4 14.47 dBV/m	Grid 5 M4 14.08 dBV/m	Grid 6 M4 13.25 dBV/m
Grid 7 M4 13.86 dBV/m	Grid 8 M4 13.58 dBV/m	Grid 9 M4 12.33 dBV/m



0 dB = 5.785 V/m = 15.25 dBV/m

HAC-RF Emission

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

Phantom section: RF Section

DASY5 Configuration:

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

802.11a E-Field measurement/IEEE 802.11a_OFDM 54 Mbps_ch 149/Hearing Aid Compatibility Test (101x101x1):

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

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 7.206 V/m; Power Drift = -0.83 dB

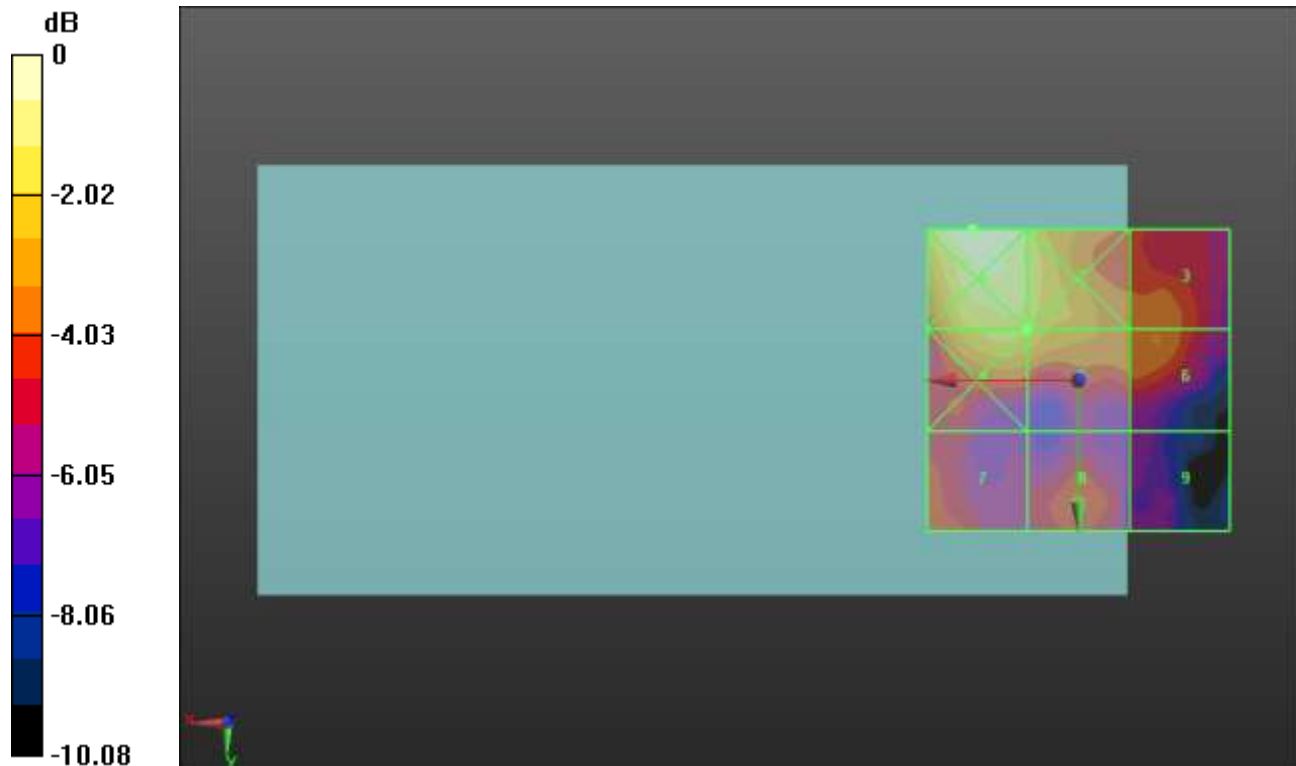
Applied MIF = -3.15 dB

RF audio interference level = 15.20 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 17.13 dBV/m	Grid 2 M4 15.97 dBV/m	Grid 3 M4 13.76 dBV/m
Grid 4 M4 15.48 dBV/m	Grid 5 M4 15.2 dBV/m	Grid 6 M4 13.81 dBV/m
Grid 7 M4 12.98 dBV/m	Grid 8 M4 13.18 dBV/m	Grid 9 M4 11.11 dBV/m



0 dB = 7.186 V/m = 17.13 dBV/m

HAC-RF Emission

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

Phantom section: RF Section

DASY5 Configuration:

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

802.11a E-Field measurement/IEEE 802.11a_OFDM 54 Mbps_ch 157/Hearing Aid Compatibility Test (101x101x1):

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

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 7.753 V/m; Power Drift = -0.32 dB

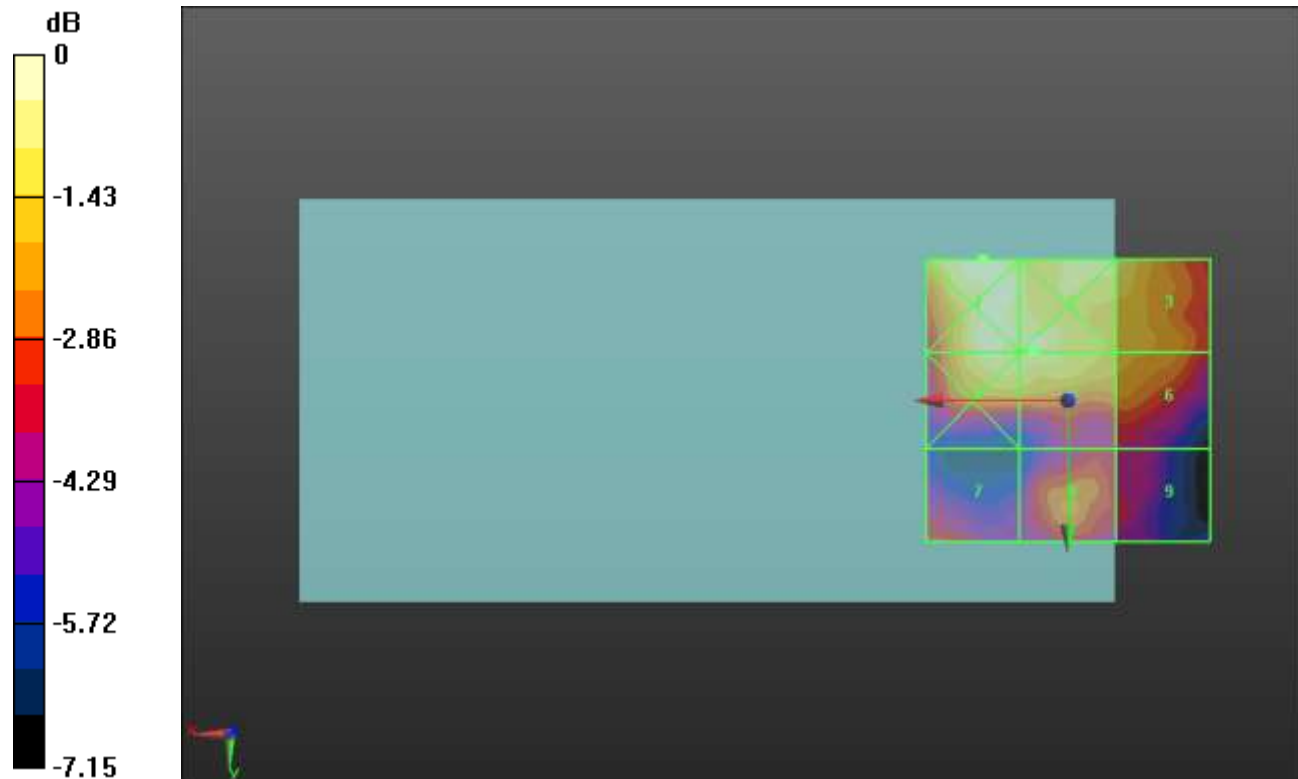
Applied MIF = -3.15 dB

RF audio interference level = 15.50 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 16.01 dBV/m	Grid 2 M4 15.66 dBV/m	Grid 3 M4 15.31 dBV/m
Grid 4 M4 15.68 dBV/m	Grid 5 M4 15.5 dBV/m	Grid 6 M4 14.32 dBV/m
Grid 7 M4 12.84 dBV/m	Grid 8 M4 13.79 dBV/m	Grid 9 M4 12.58 dBV/m



0 dB = 6.314 V/m = 16.01 dBV/m

HAC-RF Emission

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

Phantom section: RF Section

DASY5 Configuration:

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

802.11a E-Field measurement/IEEE 802.11a_OFDM 54 Mbps_ch 165/Hearing Aid Compatibility Test (101x101x1):

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

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 7.487 V/m; Power Drift = 0.42 dB

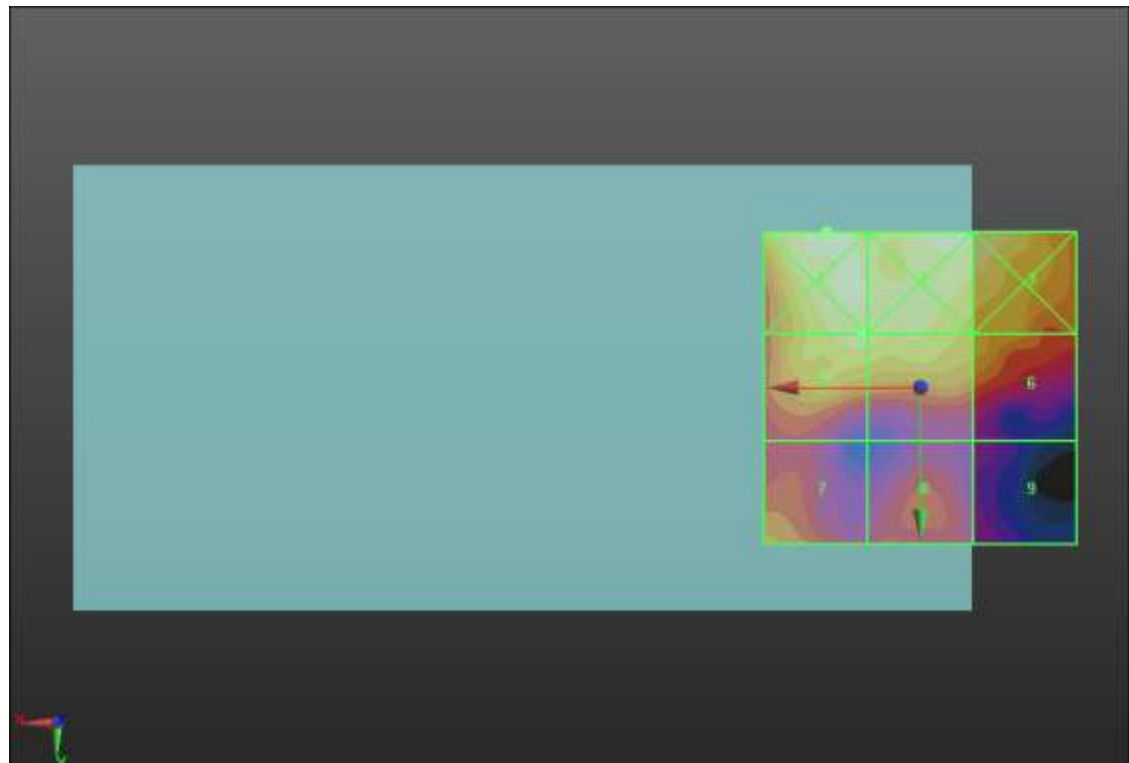
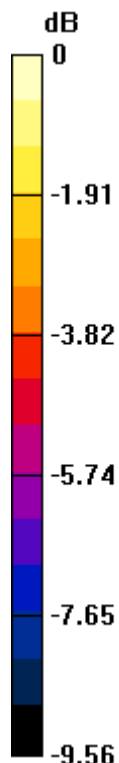
Applied MIF = -3.15 dB

RF audio interference level = 16.48 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 17.47 dBV/m	Grid 2 M4 17.35 dBV/m	Grid 3 M4 17.02 dBV/m
Grid 4 M4 16.48 dBV/m	Grid 5 M4 16.45 dBV/m	Grid 6 M4 15.22 dBV/m
Grid 7 M4 14.58 dBV/m	Grid 8 M4 13.27 dBV/m	Grid 9 M4 12 dBV/m



0 dB = 7.475 V/m = 17.47 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 = 14.47 V/m; Power Drift = -0.05 dB

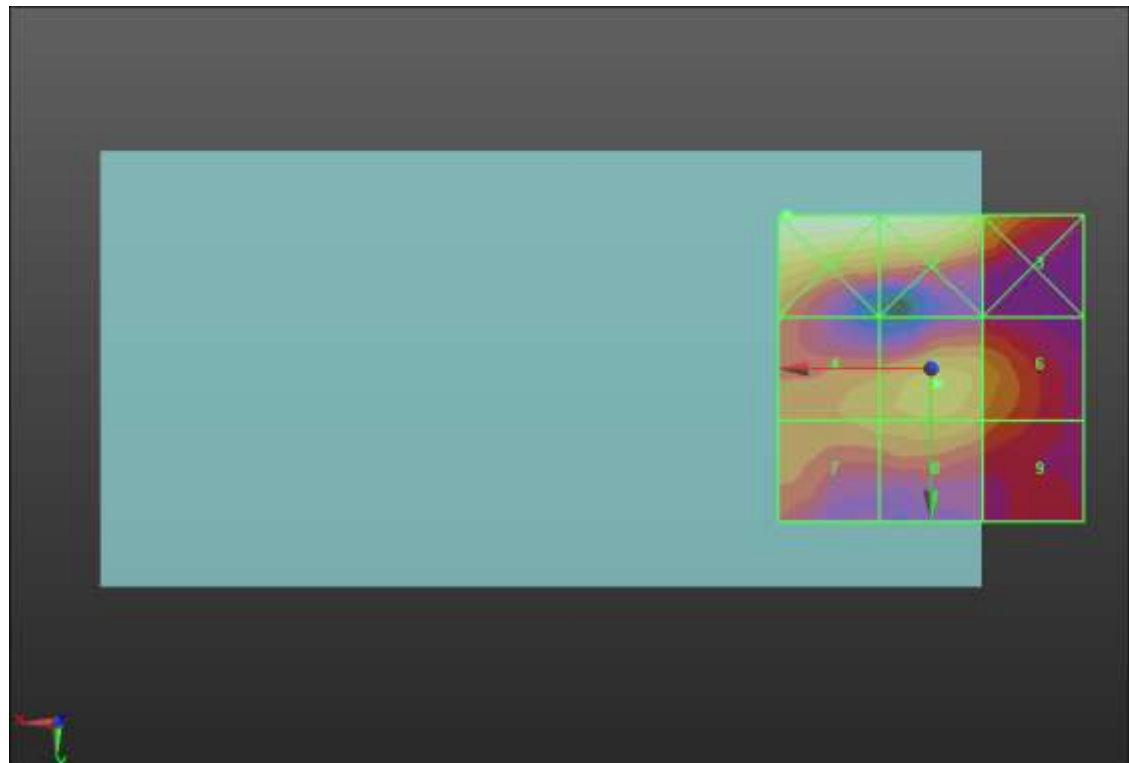
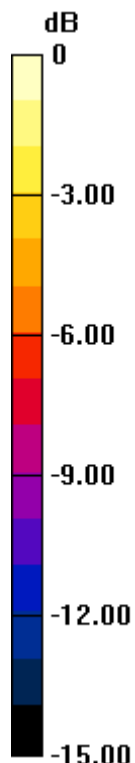
Applied MIF = -1.44 dB

RF audio interference level = 17.05 dBV/m

Emission category: **M4**

MIF scaled E-field

Grid 1 M4 20.47 dBV/m	Grid 2 M4 20.06 dBV/m	Grid 3 M4 17.38 dBV/m
Grid 4 M4 16.17 dBV/m	Grid 5 M4 17.05 dBV/m	Grid 6 M4 16.14 dBV/m
Grid 7 M4 15.92 dBV/m	Grid 8 M4 16.36 dBV/m	Grid 9 M4 15.16 dBV/m



0 dB = 10.56 V/m = 20.47 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 = 16.06 V/m; Power Drift = -0.06 dB

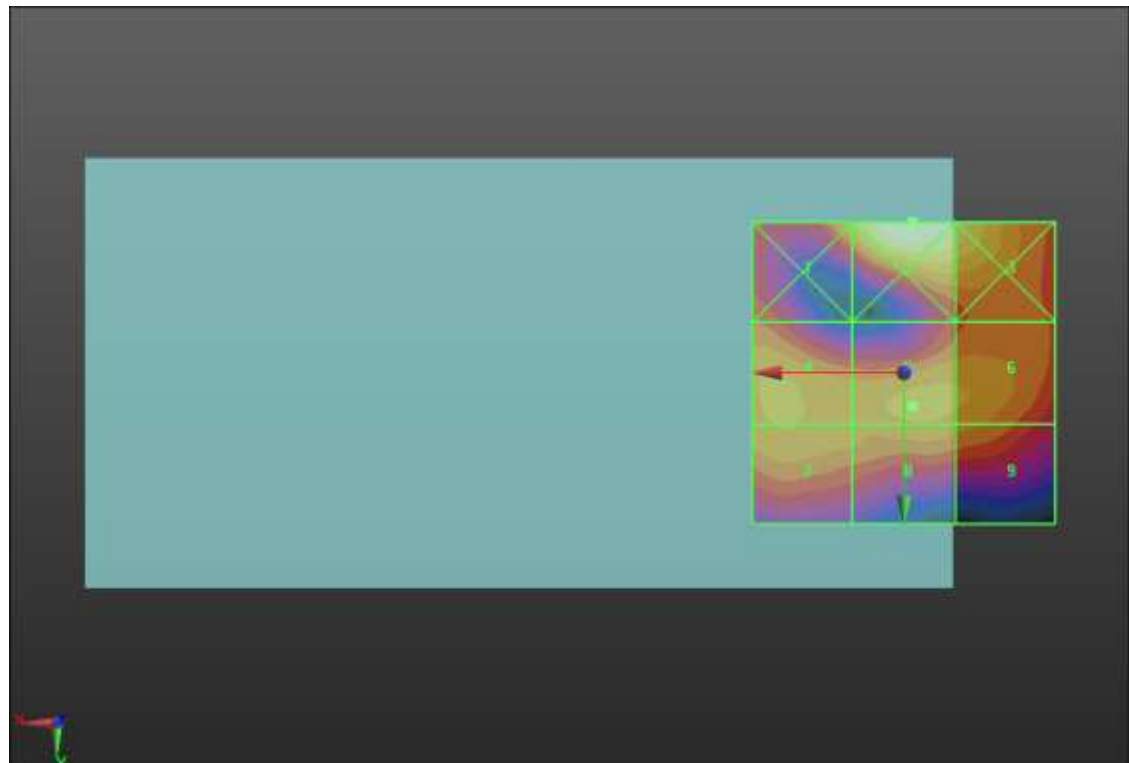
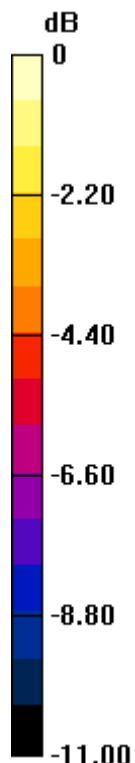
Applied MIF = -1.44 dB

RF audio interference level = 19.99 dBV/m

Emission category: **M4**

MIF scaled E-field

Grid 1 M4 20.18 dBV/m	Grid 2 M4 22.66 dBV/m	Grid 3 M4 21.77 dBV/m
Grid 4 M4 19.89 dBV/m	Grid 5 M4 19.99 dBV/m	Grid 6 M4 19.84 dBV/m
Grid 7 M4 19.8 dBV/m	Grid 8 M4 19.69 dBV/m	Grid 9 M4 19.4 dBV/m



0 dB = 13.58 V/m = 22.66 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 = 25.28 V/m; Power Drift = -0.08 dB

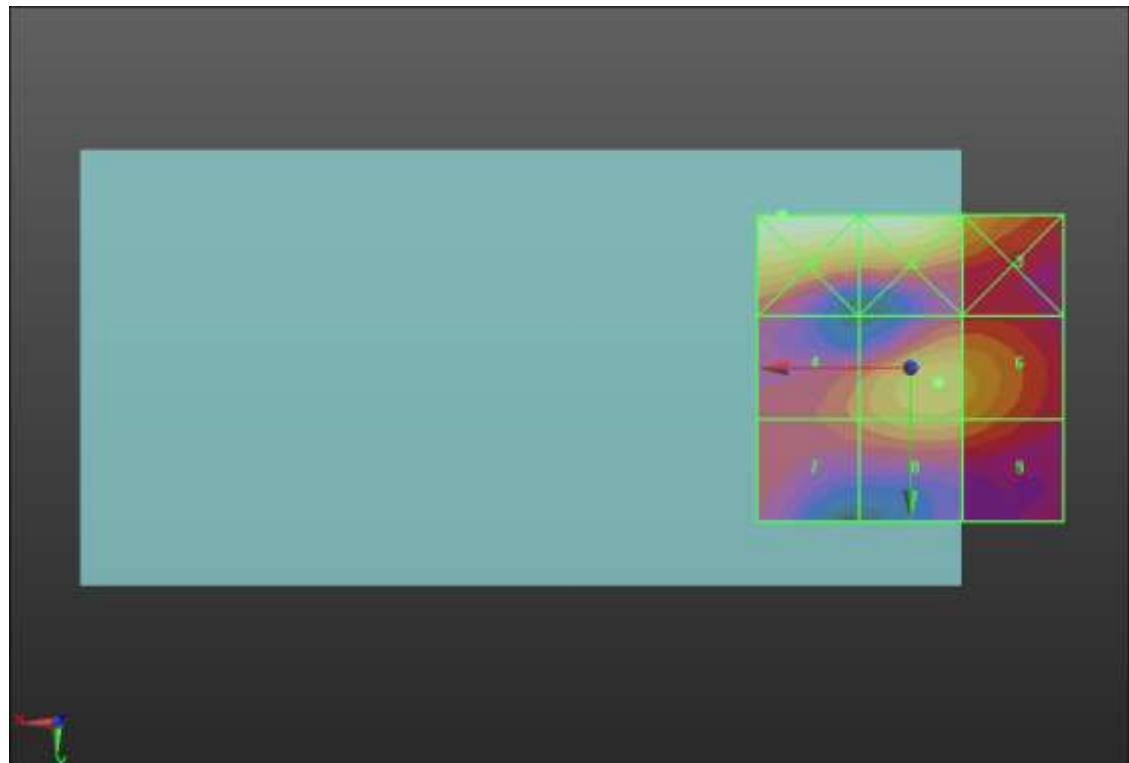
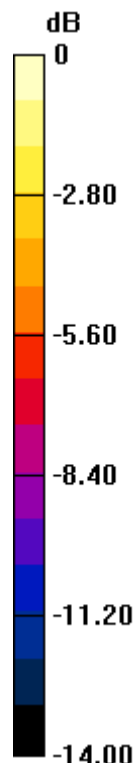
Applied MIF = -1.44 dB

RF audio interference level = 22.09 dBV/m

Emission category: **M4**

MIF scaled E-field

Grid 1 M4 25.13 dBV/m	Grid 2 M4 24.85 dBV/m	Grid 3 M4 22.66 dBV/m
Grid 4 M4 20 dBV/m	Grid 5 M4 22.09 dBV/m	Grid 6 M4 21.79 dBV/m
Grid 7 M4 19.74 dBV/m	Grid 8 M4 21.17 dBV/m	Grid 9 M4 20.73 dBV/m



0 dB = 18.06 V/m = 25.13 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 = 25.13 V/m; Power Drift = -0.01 dB

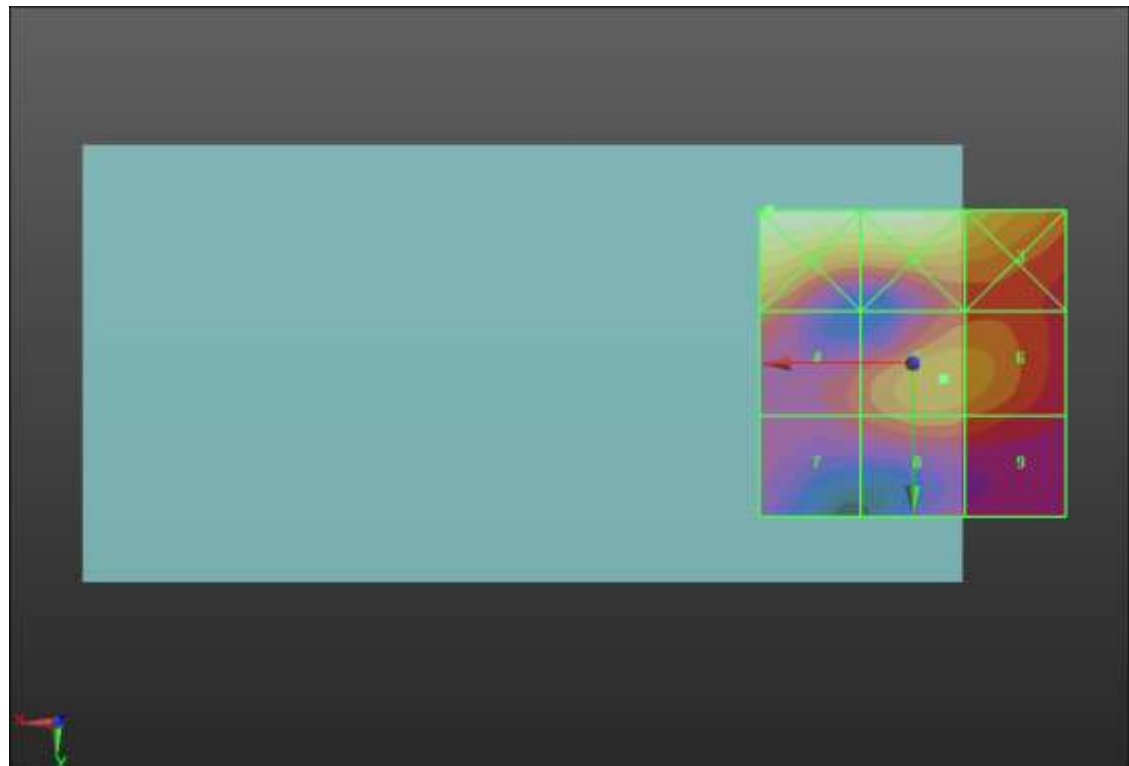
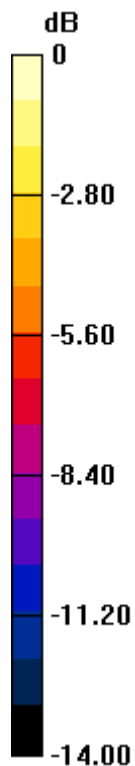
Applied MIF = -1.44 dB

RF audio interference level = 21.74 dBV/m

Emission category: **M4**

MIF scaled E-field

Grid 1 M4 25.54 dBV/m	Grid 2 M4 25.17 dBV/m	Grid 3 M4 23.78 dBV/m
Grid 4 M4 19.88 dBV/m	Grid 5 M4 21.74 dBV/m	Grid 6 M4 21.54 dBV/m
Grid 7 M4 19.08 dBV/m	Grid 8 M4 20.68 dBV/m	Grid 9 M4 20.2 dBV/m



0 dB = 18.93 V/m = 25.54 dBV/m

HAC-RF Emission

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

Phantom section: RF Section

DASY5 Configuration:

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

802.11a E-Field measurement/IEEE 802.11a_OFDM 54 Mbps_ch 40/Hearing Aid Compatibility Test (101x101x1):

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

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 26.19 V/m; Power Drift = -0.40 dB

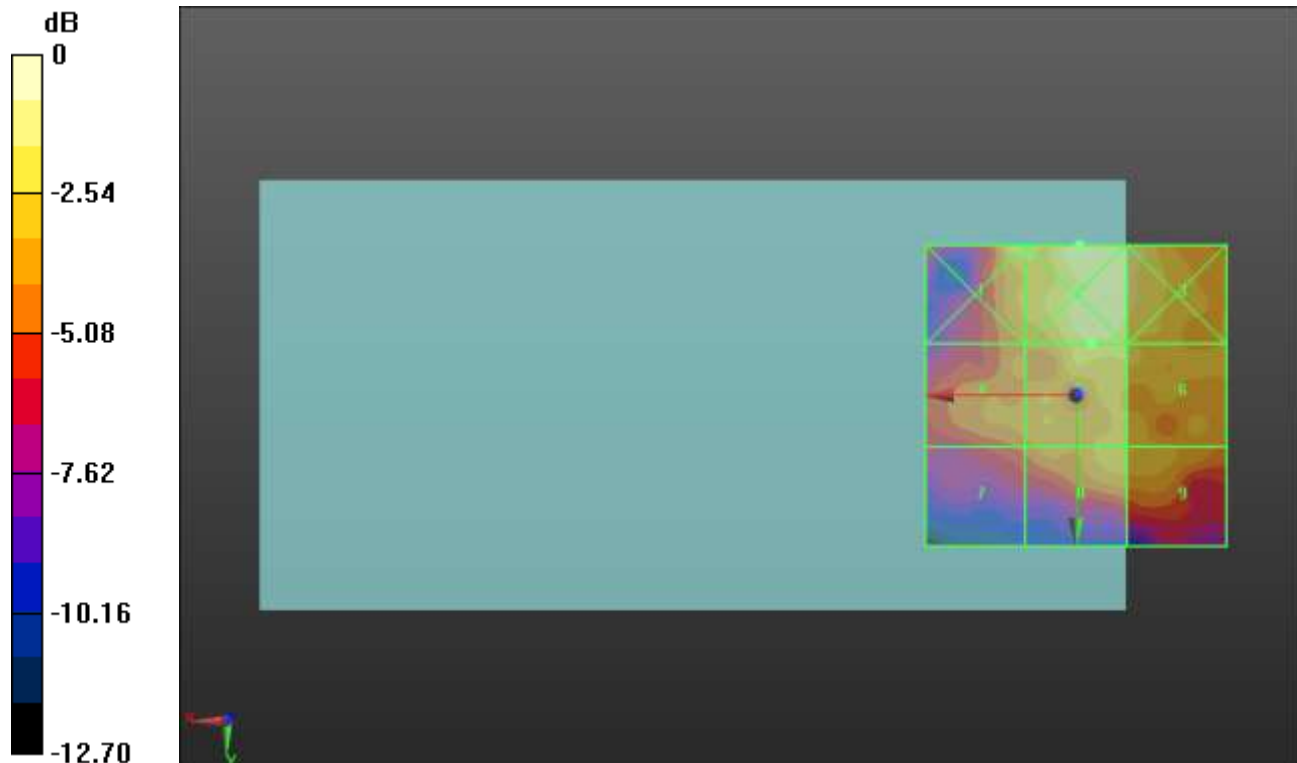
Applied MIF = -3.15 dB

RF audio interference level = 24.93 dBV/m

Emission category: **M4**

MIF scaled E-field

Grid 1 M4 25.99 dBV/m	Grid 2 M4 26.74 dBV/m	Grid 3 M4 25.83 dBV/m
Grid 4 M4 22.96 dBV/m	Grid 5 M4 24.93 dBV/m	Grid 6 M4 24.43 dBV/m
Grid 7 M4 22.05 dBV/m	Grid 8 M4 23.98 dBV/m	Grid 9 M4 23.92 dBV/m



0 dB = 21.74 V/m = 26.75 dBV/m

HAC-RF Emission

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

Phantom section: RF Section

DASY5 Configuration:

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

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

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

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 27.64 V/m; Power Drift = -1.04 dB

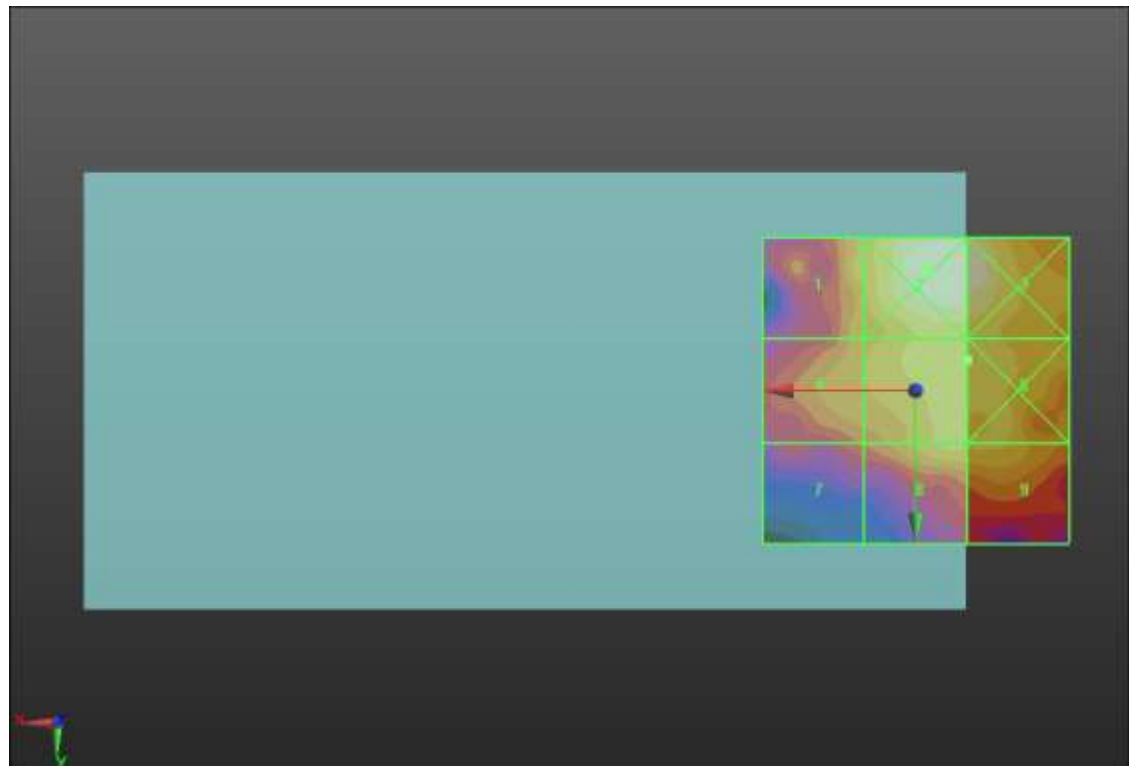
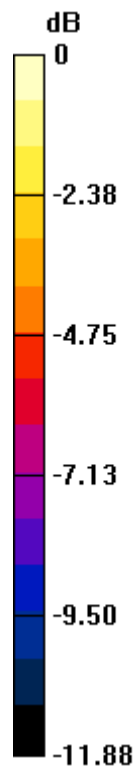
Applied MIF = -3.15 dB

RF audio interference level = 25.21 dBV/m

Emission category: **M4**

MIF scaled E-field

Grid 1 M4 24.41 dBV/m	Grid 2 M4 26.96 dBV/m	Grid 3 M4 26.84 dBV/m
Grid 4 M4 23.77 dBV/m	Grid 5 M4 25.21 dBV/m	Grid 6 M4 25.22 dBV/m
Grid 7 M4 22.35 dBV/m	Grid 8 M4 24.82 dBV/m	Grid 9 M4 24.77 dBV/m



0 dB = 22.29 V/m = 26.96 dBV/m

HAC-RF Emission

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

Phantom section: RF Section

DASY5 Configuration:

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

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

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

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 27.77 V/m; Power Drift = -0.30 dB

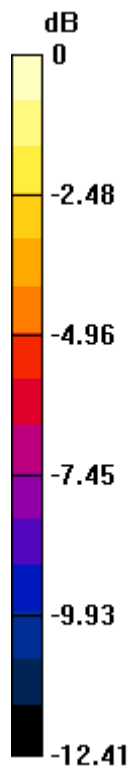
Applied MIF = -3.15 dB

RF audio interference level = 26.41 dBV/m

Emission category: **M4**

MIF scaled E-field

Grid 1 M4 25.11 dBV/m	Grid 2 M4 27.33 dBV/m	Grid 3 M4 26.89 dBV/m
Grid 4 M4 24.63 dBV/m	Grid 5 M4 26.41 dBV/m	Grid 6 M4 26.26 dBV/m
Grid 7 M4 22.59 dBV/m	Grid 8 M4 24.96 dBV/m	Grid 9 M4 25.28 dBV/m



0 dB = 23.24 V/m = 27.32 dBV/m

HAC-RF Emission

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

Phantom section: RF Section

DASY5 Configuration:

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

802.11a E-Field measurement/IEEE 802.11a_OFDM 54 Mbps_ch 52/Hearing Aid Compatibility Test (101x101x1):

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

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 32.73 V/m; Power Drift = -0.38 dB

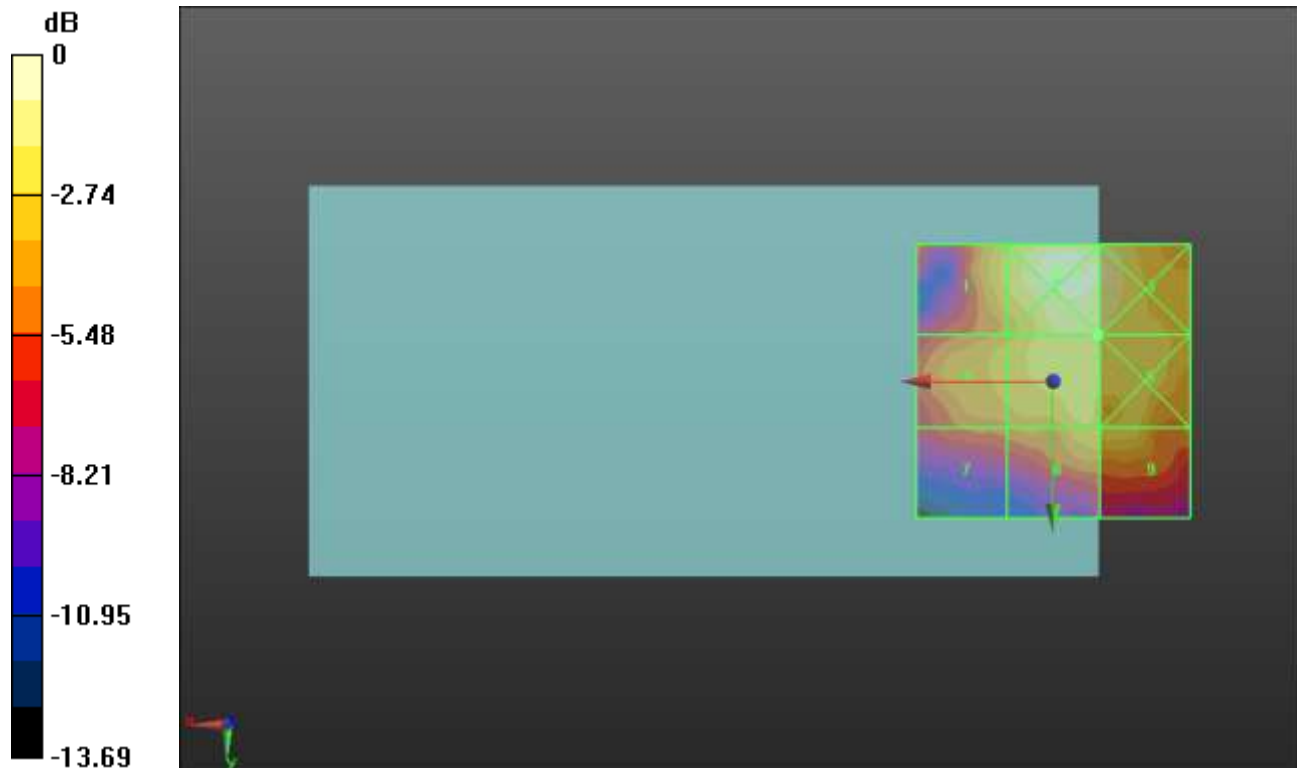
Applied MIF = -3.15 dB

RF audio interference level = 26.70 dBV/m

Emission category: **M4**

MIF scaled E-field

Grid 1 M4 26.14 dBV/m	Grid 2 M4 28.5 dBV/m	Grid 3 M4 27.69 dBV/m
Grid 4 M4 25.33 dBV/m	Grid 5 M4 26.7 dBV/m	Grid 6 M4 26.69 dBV/m
Grid 7 M4 23.69 dBV/m	Grid 8 M4 25.91 dBV/m	Grid 9 M4 26.12 dBV/m



0 dB = 26.60 V/m = 28.50 dBV/m

HAC-RF Emission

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

Phantom section: RF Section

DASY5 Configuration:

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

802.11a E-Field measurement/IEEE 802.11a_OFDM 54 Mbps_ch 56/Hearing Aid Compatibility Test (101x101x1):

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

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 28.62 V/m; Power Drift = 1.32 dB

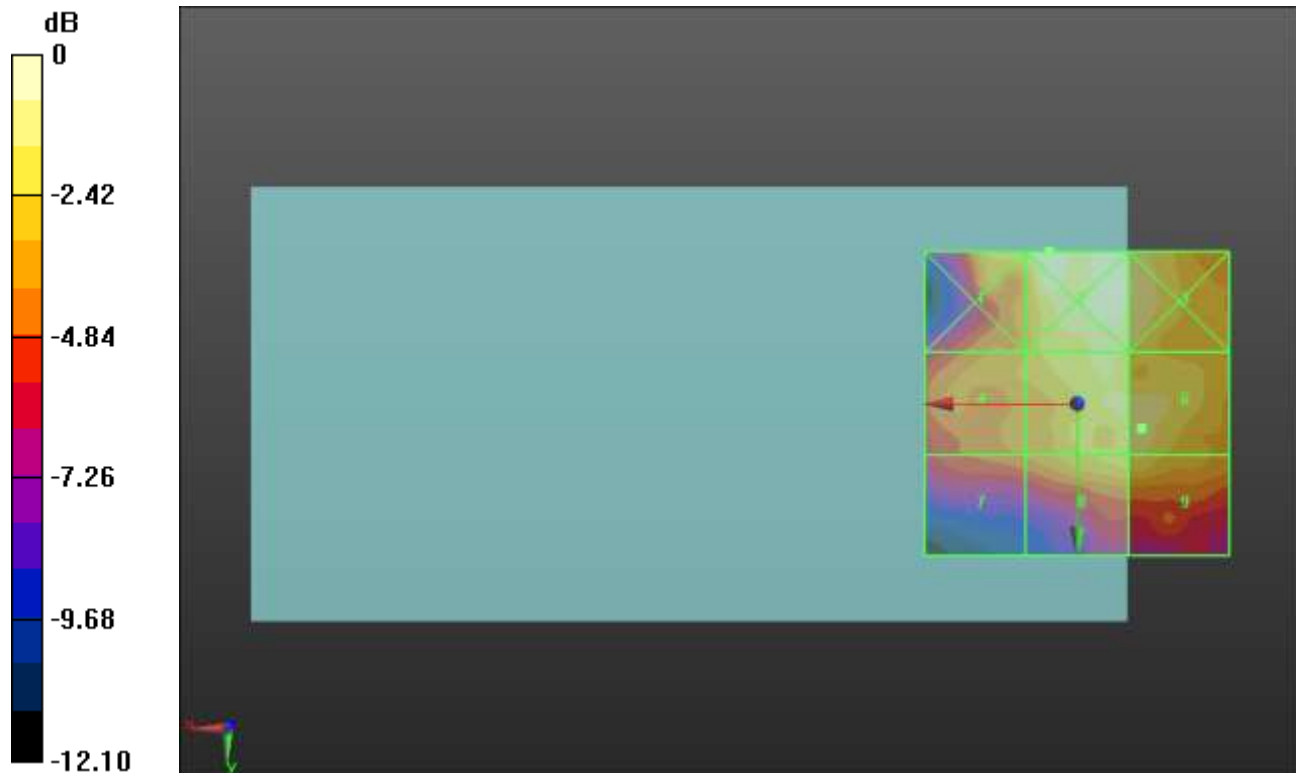
Applied MIF = -3.15 dB

RF audio interference level = 27.15 dBV/m

Emission category: **M4**

MIF scaled E-field

Grid 1 M4 27.26 dBV/m	Grid 2 M4 28.35 dBV/m	Grid 3 M4 27.62 dBV/m
Grid 4 M4 25.29 dBV/m	Grid 5 M4 26.96 dBV/m	Grid 6 M4 27.15 dBV/m
Grid 7 M4 24.4 dBV/m	Grid 8 M4 26.68 dBV/m	Grid 9 M4 26.82 dBV/m



0 dB = 26.16 V/m = 28.35 dBV/m

HAC-RF Emission

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

Phantom section: RF Section

DASY5 Configuration:

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

802.11a E-Field measurement/IEEE 802.11a_OFDM 54 Mbps_ch 60/Hearing Aid Compatibility Test (101x101x1):

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

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 35.41 V/m; Power Drift = -0.01 dB

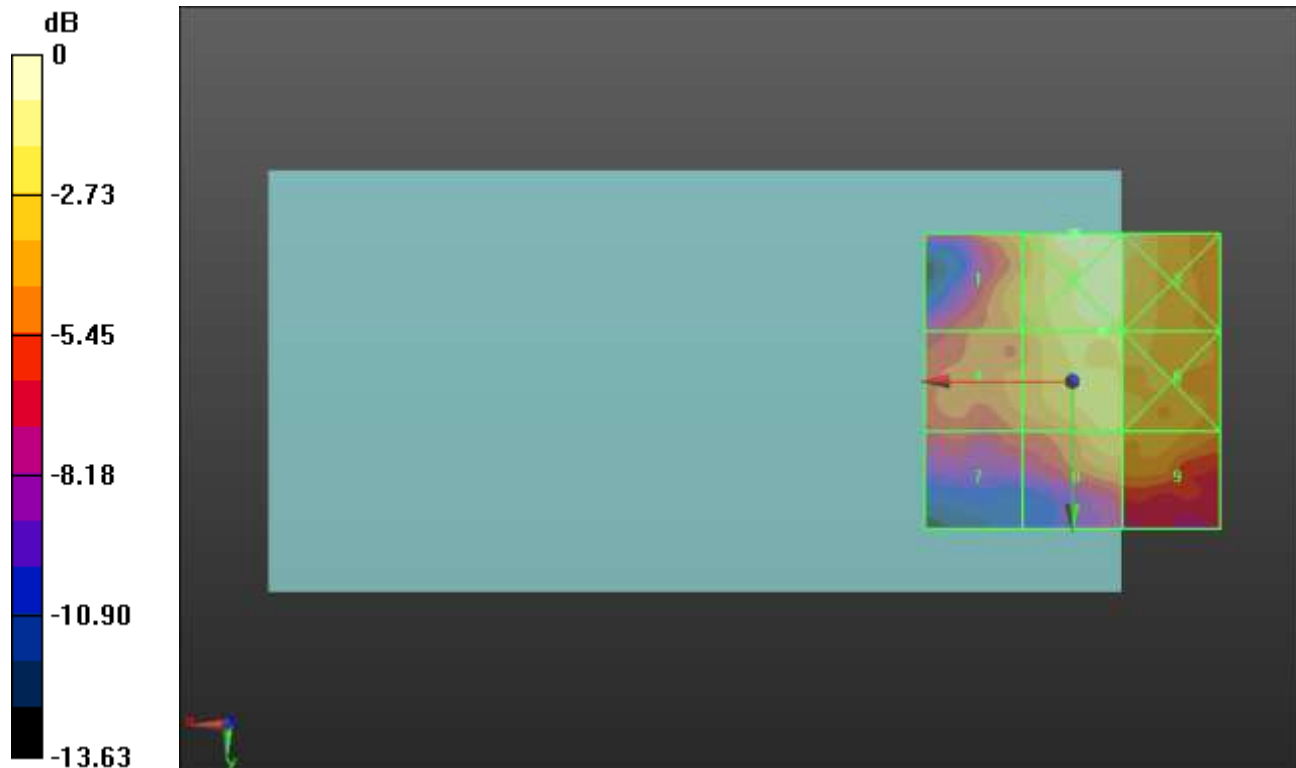
Applied MIF = -3.15 dB

RF audio interference level = 27.42 dBV/m

Emission category: **M4**

MIF scaled E-field

Grid 1 M4 26.01 dBV/m	Grid 2 M4 29.51 dBV/m	Grid 3 M4 28.85 dBV/m
Grid 4 M4 25.49 dBV/m	Grid 5 M4 27.42 dBV/m	Grid 6 M4 27.41 dBV/m
Grid 7 M4 24.13 dBV/m	Grid 8 M4 26.8 dBV/m	Grid 9 M4 26.48 dBV/m



0 dB = 29.88 V/m = 29.51 dBV/m

HAC-RF Emission

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

Phantom section: RF Section

DASY5 Configuration:

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

802.11a E-Field measurement/IEEE 802.11a_OFDM 54 Mbps_ch 104/Hearing Aid Compatibility Test (101x101x1):

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

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 38.26 V/m; Power Drift = -0.04 dB

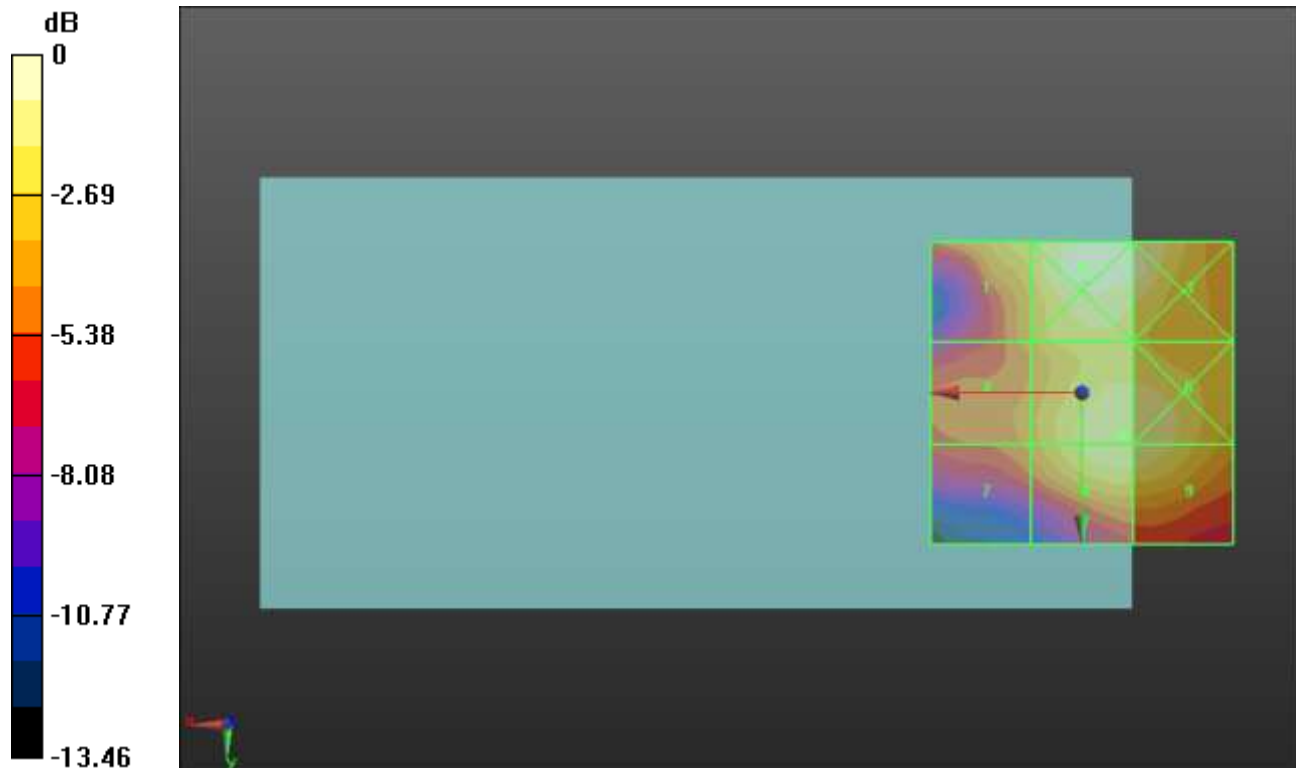
Applied MIF = -3.15 dB

RF audio interference level = 28.51 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 27.48 dBV/m	Grid 2 M4 29.42 dBV/m	Grid 3 M4 28.81 dBV/m
Grid 4 M4 25.53 dBV/m	Grid 5 M4 28.51 dBV/m	Grid 6 M4 28.45 dBV/m
Grid 7 M4 25.33 dBV/m	Grid 8 M4 28.46 dBV/m	Grid 9 M4 28.4 dBV/m



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

HAC-RF Emission

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

Phantom section: RF Section

DASY5 Configuration:

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

802.11a E-Field measurement/IEEE 802.11a_OFDM 54 Mbps_ch 124/Hearing Aid Compatibility Test (101x101x1):

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

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 34.74 V/m; Power Drift = -0.09 dB

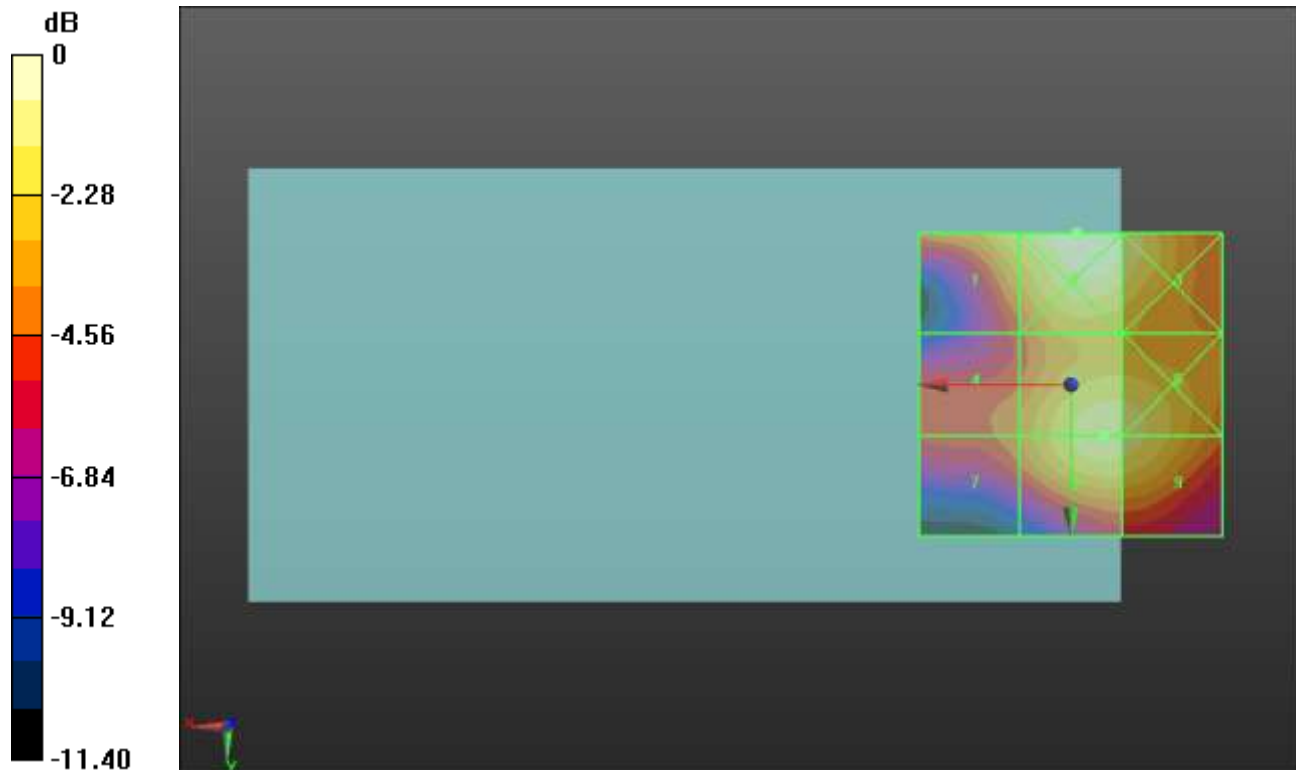
Applied MIF = -3.15 dB

RF audio interference level = 28.08 dBV/m

Emission category: **M4**

MIF scaled E-field

Grid 1 M4 27.94 dBV/m	Grid 2 M4 29.02 dBV/m	Grid 3 M4 28.33 dBV/m
Grid 4 M4 25.31 dBV/m	Grid 5 M4 28.08 dBV/m	Grid 6 M4 27.95 dBV/m
Grid 7 M4 25.29 dBV/m	Grid 8 M4 28.08 dBV/m	Grid 9 M4 27.93 dBV/m



0 dB = 28.26 V/m = 29.02 dBV/m

HAC-RF Emission

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

Phantom section: RF Section

DASY5 Configuration:

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

802.11a E-Field measurement/IEEE 802.11a_OFDM 54 Mbps_ch 144/Hearing Aid Compatibility Test (101x101x1):

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

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 32.23 V/m; Power Drift = 0.16 dB

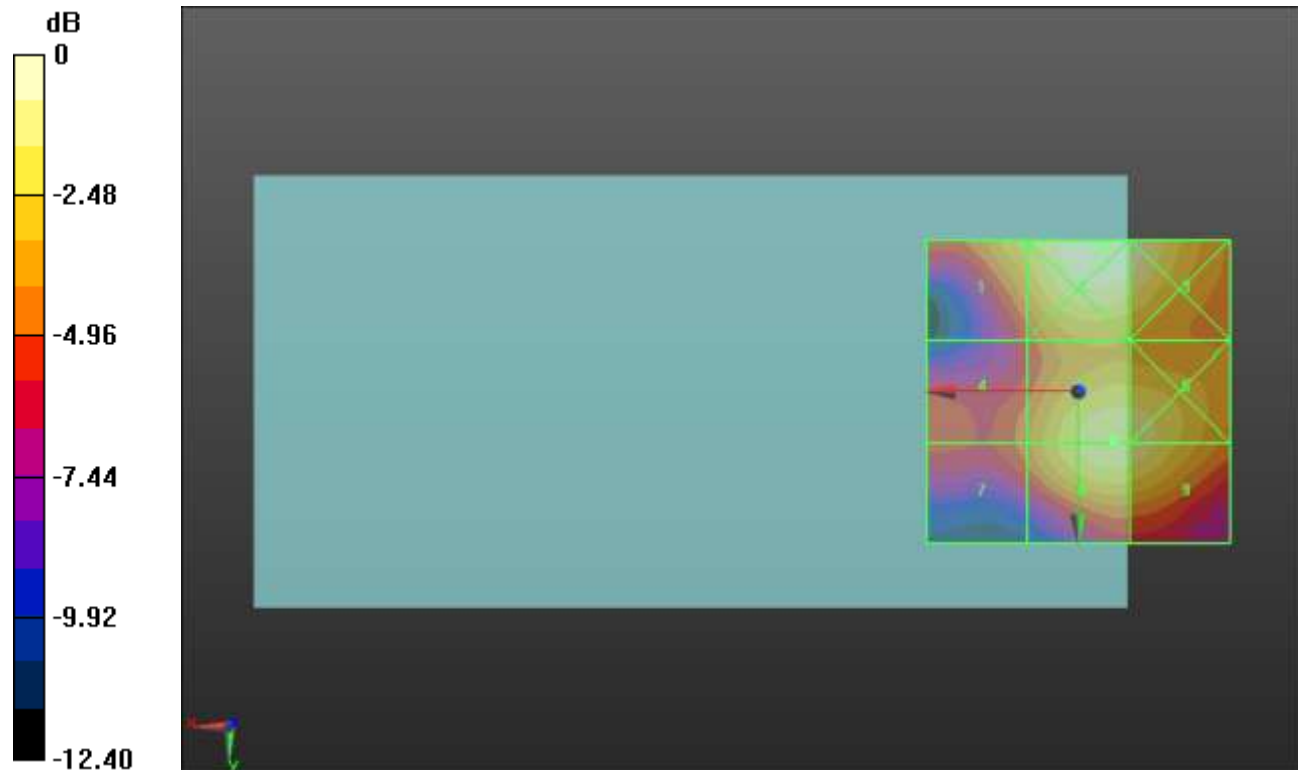
Applied MIF = -3.15 dB

RF audio interference level = 27.83 dBV/m

Emission category: **M4**

MIF scaled E-field

Grid 1 M4 26.92 dBV/m	Grid 2 M4 28.8 dBV/m	Grid 3 M4 28.37 dBV/m
Grid 4 M4 24.44 dBV/m	Grid 5 M4 27.83 dBV/m	Grid 6 M4 27.72 dBV/m
Grid 7 M4 24.43 dBV/m	Grid 8 M4 27.83 dBV/m	Grid 9 M4 27.7 dBV/m



0 dB = 27.55 V/m = 28.80 dBV/m

HAC-RF Emission

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

Phantom section: RF Section

DASY5 Configuration:

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

802.11a E-Field measurement/IEEE 802.11a_OFDM 54 Mbps_ch 149/Hearing Aid Compatibility Test (101x101x1):

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

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 29.43 V/m; Power Drift = 0.03 dB

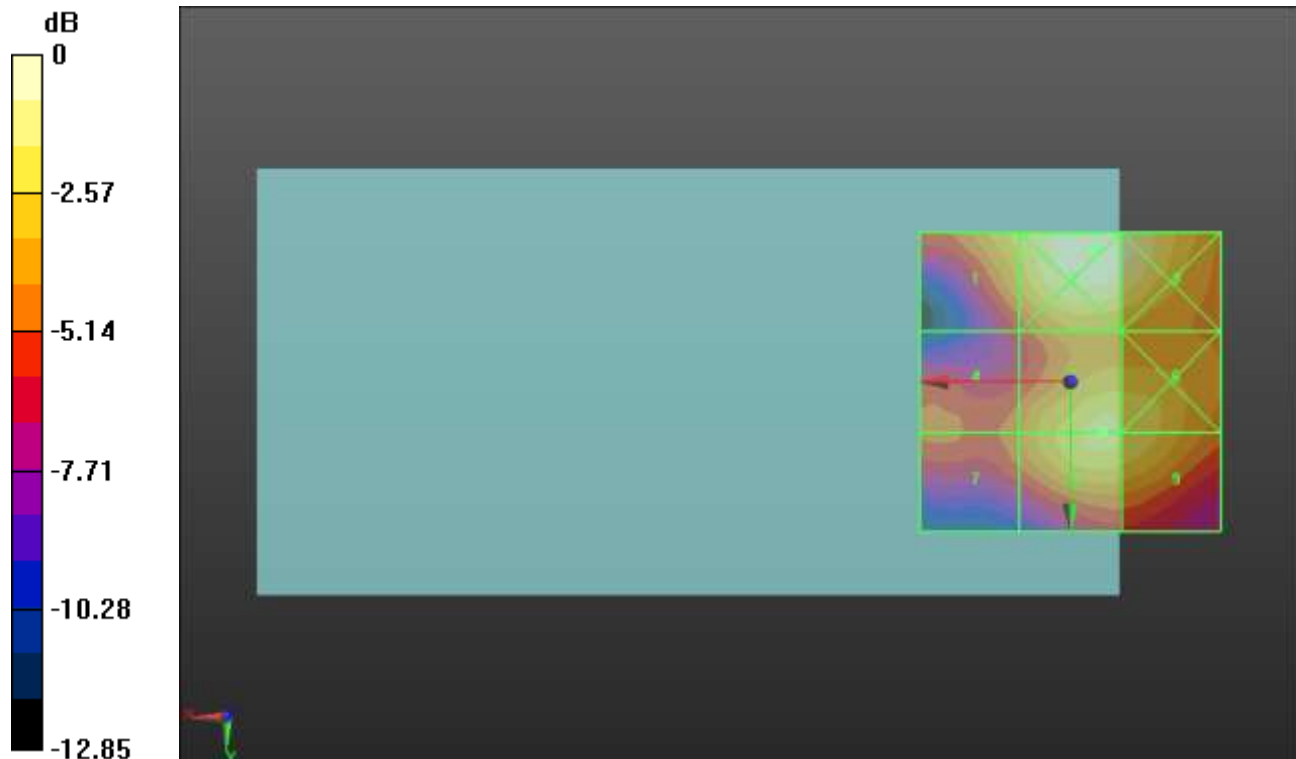
Applied MIF = -3.15 dB

RF audio interference level = 27.23 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 26.67 dBV/m	Grid 2 M4 28.67 dBV/m	Grid 3 M4 28.21 dBV/m
Grid 4 M4 24.26 dBV/m	Grid 5 M4 27.23 dBV/m	Grid 6 M4 27.04 dBV/m
Grid 7 M4 24.26 dBV/m	Grid 8 M4 27.23 dBV/m	Grid 9 M4 27.04 dBV/m



0 dB = 27.12 V/m = 28.67 dBV/m

HAC-RF Emission

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

Phantom section: RF Section

DASY5 Configuration:

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

802.11a E-Field measurement/IEEE 802.11a_OFDM 54 Mbps_ch 157/Hearing Aid Compatibility Test (101x101x1):

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

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 27.66 V/m; Power Drift = -0.20 dB

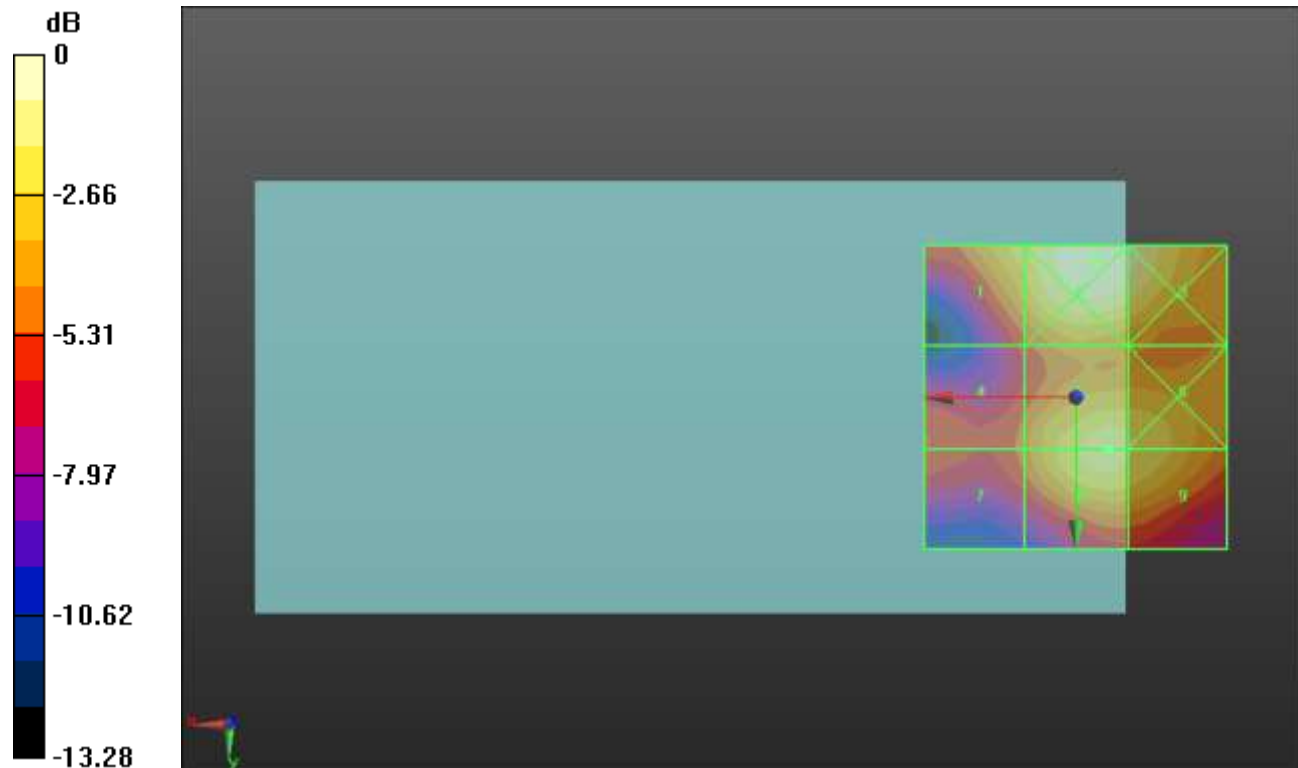
Applied MIF = -3.15 dB

RF audio interference level = 26.93 dBV/m

Emission category: **M4**

MIF scaled E-field

Grid 1 M4 26.37 dBV/m	Grid 2 M4 28.28 dBV/m	Grid 3 M4 27.82 dBV/m
Grid 4 M4 23.53 dBV/m	Grid 5 M4 26.93 dBV/m	Grid 6 M4 26.67 dBV/m
Grid 7 M4 23.52 dBV/m	Grid 8 M4 26.93 dBV/m	Grid 9 M4 26.65 dBV/m



0 dB = 25.94 V/m = 28.28 dBV/m

HAC-RF Emission

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

Phantom section: RF Section

DASY5 Configuration:

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

802.11a E-Field measurement/IEEE 802.11a_OFDM 54 Mbps_ch 165/Hearing Aid Compatibility Test (101x101x1):

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

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 24.54 V/m; Power Drift = -0.02 dB

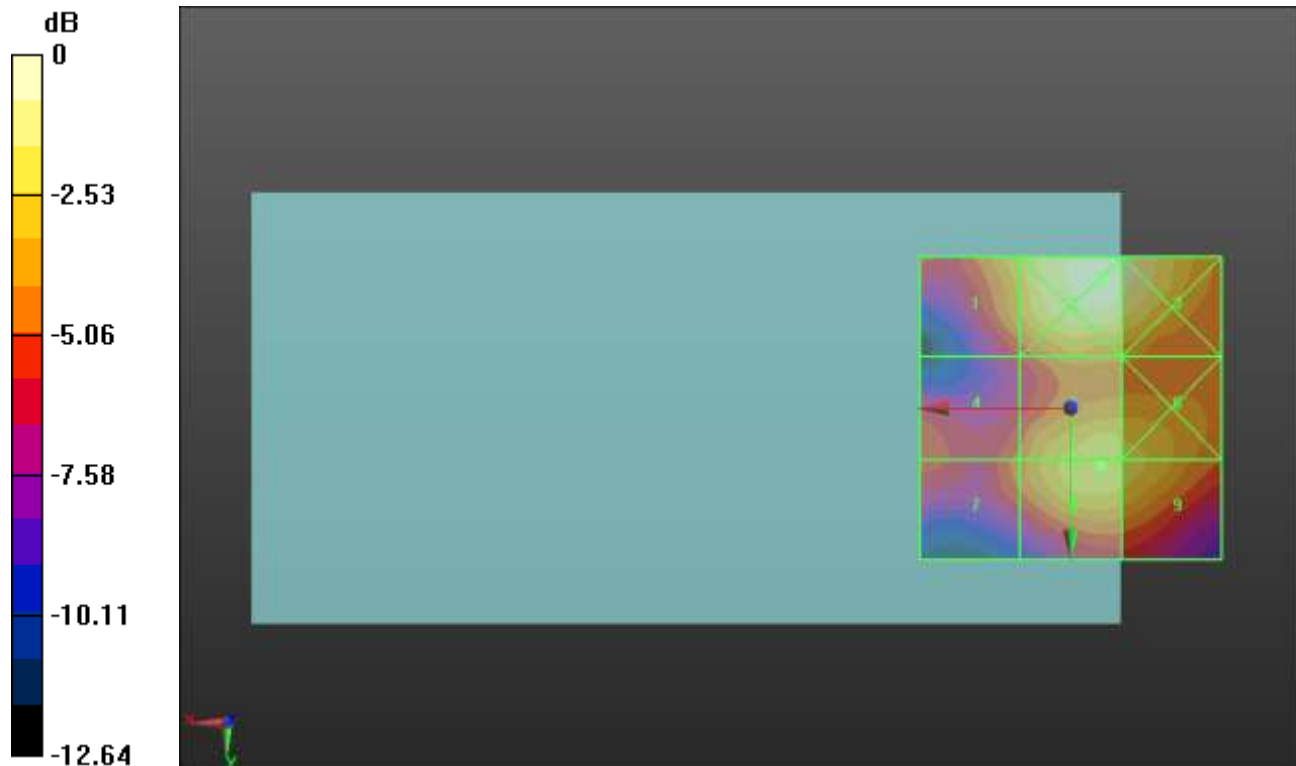
Applied MIF = -3.15 dB

RF audio interference level = 26.09 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 25.35 dBV/m	Grid 2 M4 27.84 dBV/m	Grid 3 M4 27.43 dBV/m
Grid 4 M4 23.19 dBV/m	Grid 5 M4 26.07 dBV/m	Grid 6 M4 25.83 dBV/m
Grid 7 M4 23.26 dBV/m	Grid 8 M4 26.09 dBV/m	Grid 9 M4 25.85 dBV/m



0 dB = 24.66 V/m = 27.84 dBV/m