

HAC-RF Emission

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

Phantom section: RF Section

DASY5 Configuration:

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

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

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

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 45.85 V/m; Power Drift = -0.50 dB

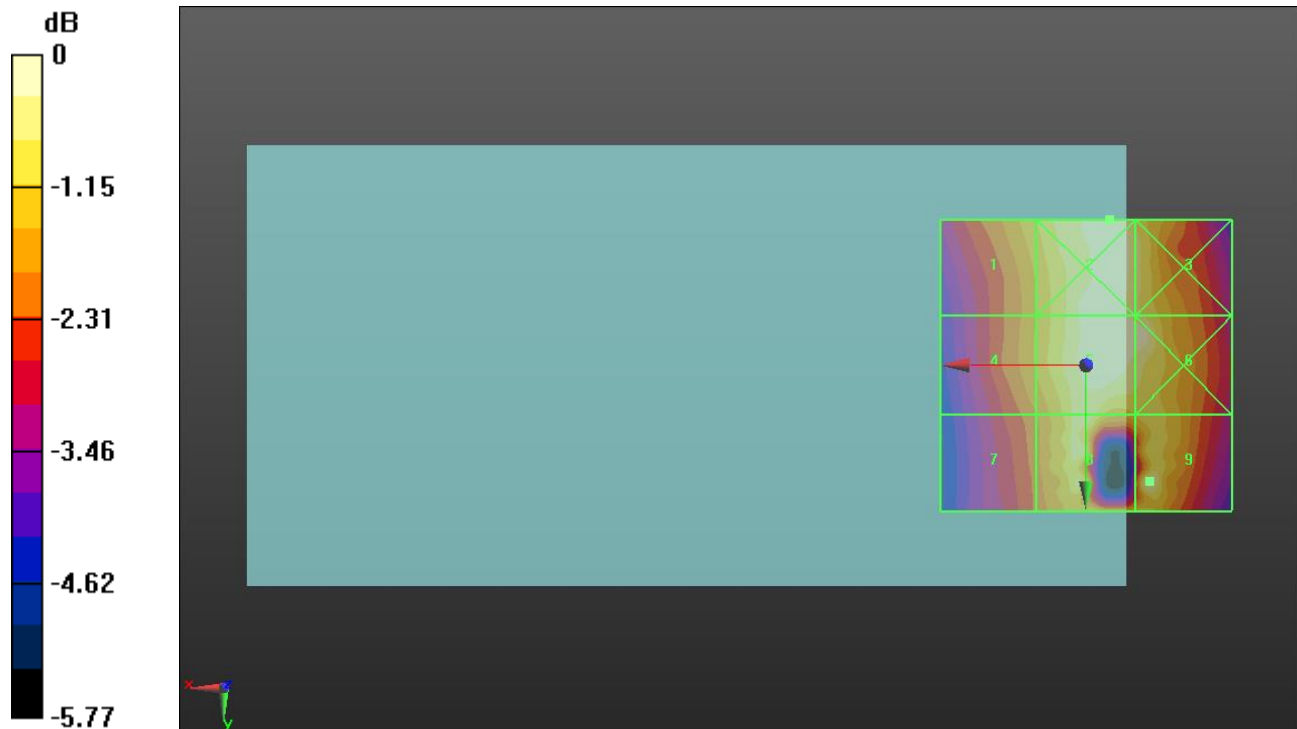
Applied MIF = 3.63 dB

RF audio interference level = 34.89 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 33.85 dBV/m	Grid 2 M4 34.99 dBV/m	Grid 3 M4 34.45 dBV/m
Grid 4 M4 33.53 dBV/m	Grid 5 M4 34.88 dBV/m	Grid 6 M4 34.86 dBV/m
Grid 7 M4 33.07 dBV/m	Grid 8 M4 34.55 dBV/m	Grid 9 M4 34.89 dBV/m



0 dB = 56.16 V/m = 34.99 dBV/m

HAC-RF Emission

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

Phantom section: RF Section

DASY5 Configuration:

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

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

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

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 39.01 V/m; Power Drift = -0.18 dB

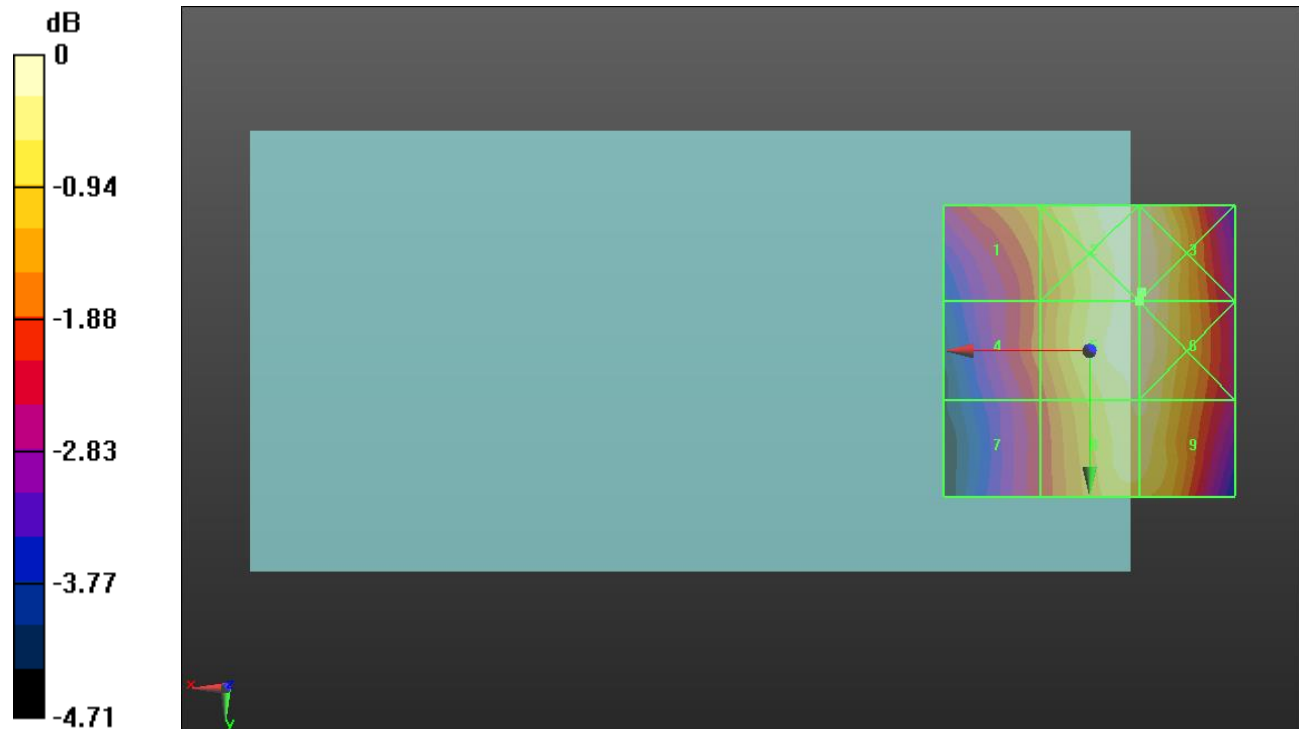
Applied MIF = 3.63 dB

RF audio interference level = 33.44 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 32.32 dBV/m	Grid 2 M4 33.48 dBV/m	Grid 3 M4 33.49 dBV/m
Grid 4 M4 31.84 dBV/m	Grid 5 M4 33.44 dBV/m	Grid 6 M4 33.45 dBV/m
Grid 7 M4 31.44 dBV/m	Grid 8 M4 33.23 dBV/m	Grid 9 M4 33.23 dBV/m



0 dB = 47.27 V/m = 33.49 dBV/m

HAC-RF Emission

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

Phantom section: RF Section

DASY5 Configuration:

- Probe: EF3DV3 - SN4041; ConvF(1, 1, 1) @ 848.8 MHz; Calibrated: 3/22/2019
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1540; Calibrated: 2/18/2019
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7450)

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

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

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 41.68 V/m; Power Drift = 0.18 dB

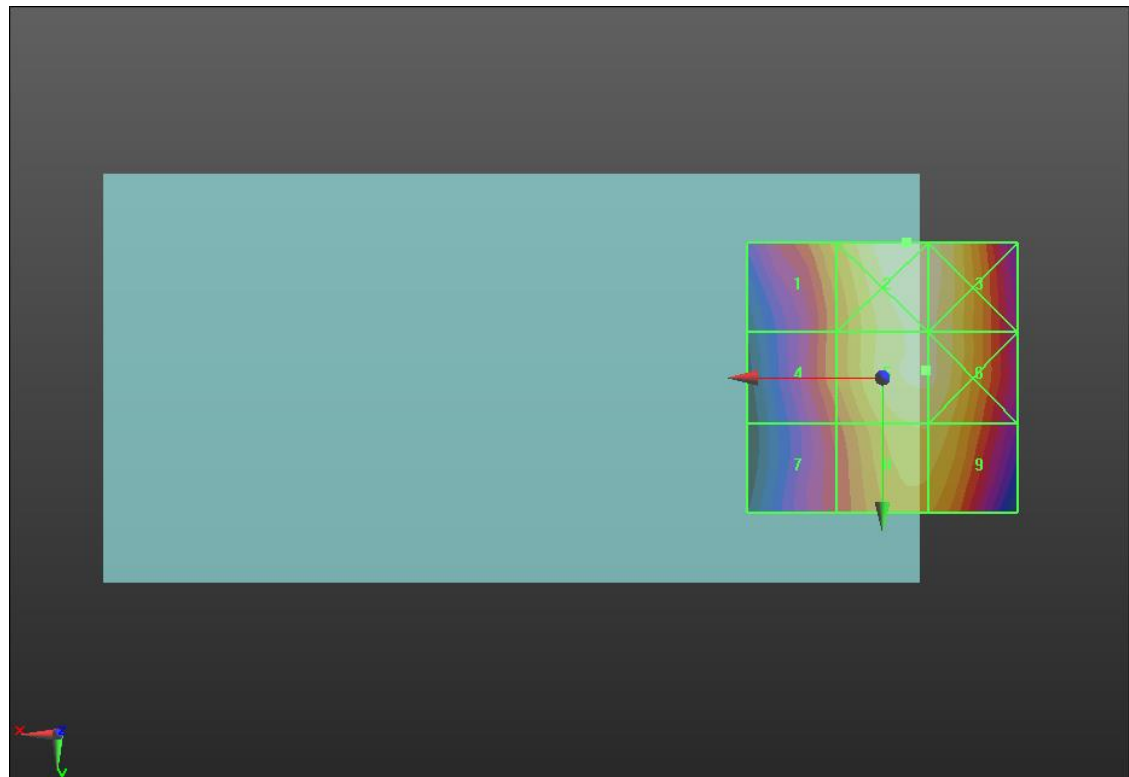
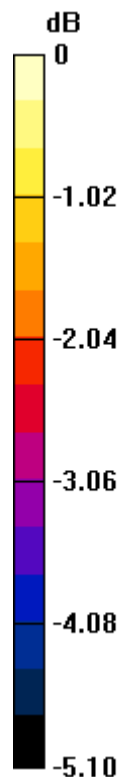
Applied MIF = 3.63 dB

RF audio interference level = 34.13 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 33.21 dBV/m	Grid 2 M4 34.38 dBV/m	Grid 3 M4 34.26 dBV/m
Grid 4 M4 32.73 dBV/m	Grid 5 M4 34.13 dBV/m	Grid 6 M4 34.13 dBV/m
Grid 7 M4 32.22 dBV/m	Grid 8 M4 33.74 dBV/m	Grid 9 M4 33.73 dBV/m



0 dB = 52.33 V/m = 34.38 dBV/m

HAC-RF Emission

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

Phantom section: RF Section

DASY5 Configuration:

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

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

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

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 17.55 V/m; Power Drift = -1.10 dB

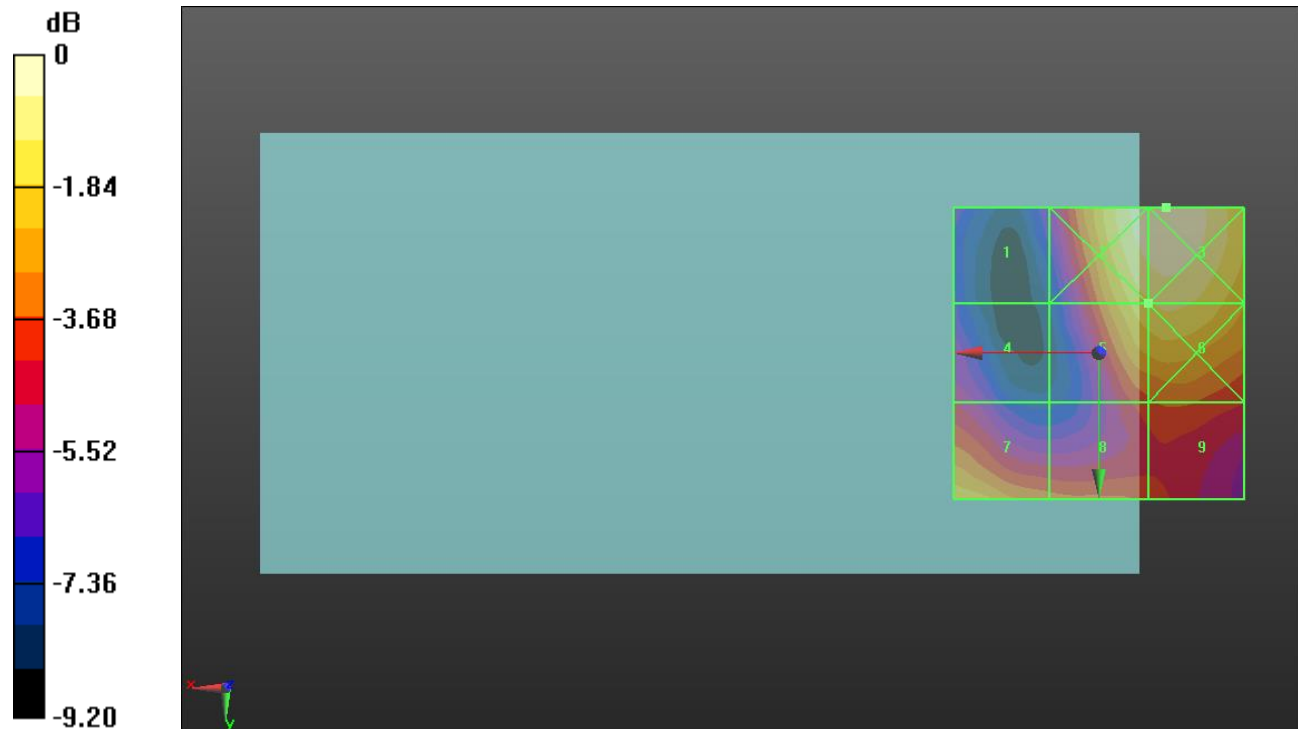
Applied MIF = 3.63 dB

RF audio interference level = 29.16 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 24.55 dBV/m	Grid 2 M3 30.31 dBV/m	Grid 3 M3 30.47 dBV/m
Grid 4 M4 25.63 dBV/m	Grid 5 M4 29.16 dBV/m	Grid 6 M4 29.39 dBV/m
Grid 7 M4 28.44 dBV/m	Grid 8 M4 27.12 dBV/m	Grid 9 M4 26.91 dBV/m



0 dB = 33.37 V/m = 30.47 dBV/m

HAC-RF Emission

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

Phantom section: RF Section

DASY5 Configuration:

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

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

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

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 19.94 V/m; Power Drift = -0.21 dB

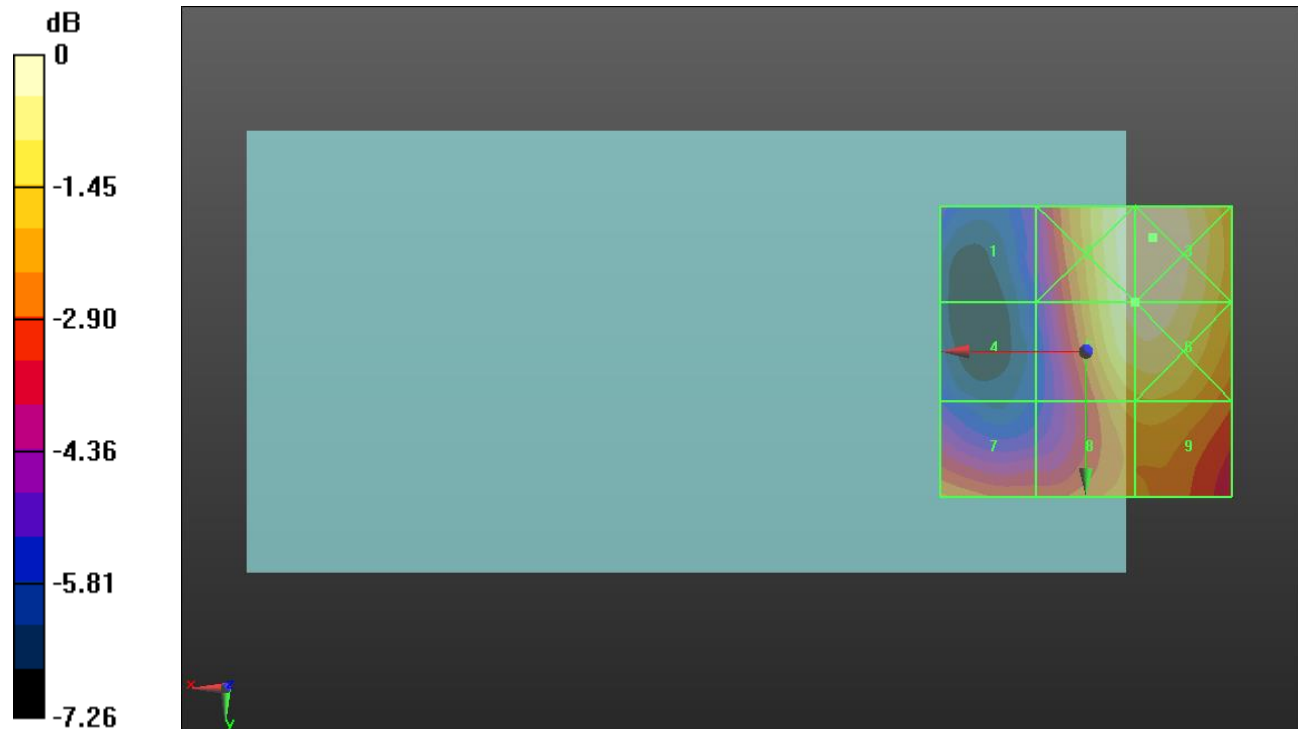
Applied MIF = 3.63 dB

RF audio interference level = 29.69 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 25.43 dBV/m	Grid 2 M4 29.86 dBV/m	Grid 3 M4 29.97 dBV/m
Grid 4 M4 24.7 dBV/m	Grid 5 M4 29.69 dBV/m	Grid 6 M4 29.78 dBV/m
Grid 7 M4 27.73 dBV/m	Grid 8 M4 28.37 dBV/m	Grid 9 M4 28.49 dBV/m



0 dB = 31.52 V/m = 29.97 dBV/m

HAC-RF Emission

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

Phantom section: RF Section

DASY5 Configuration:

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

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

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

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 15.37 V/m; Power Drift = -0.12 dB

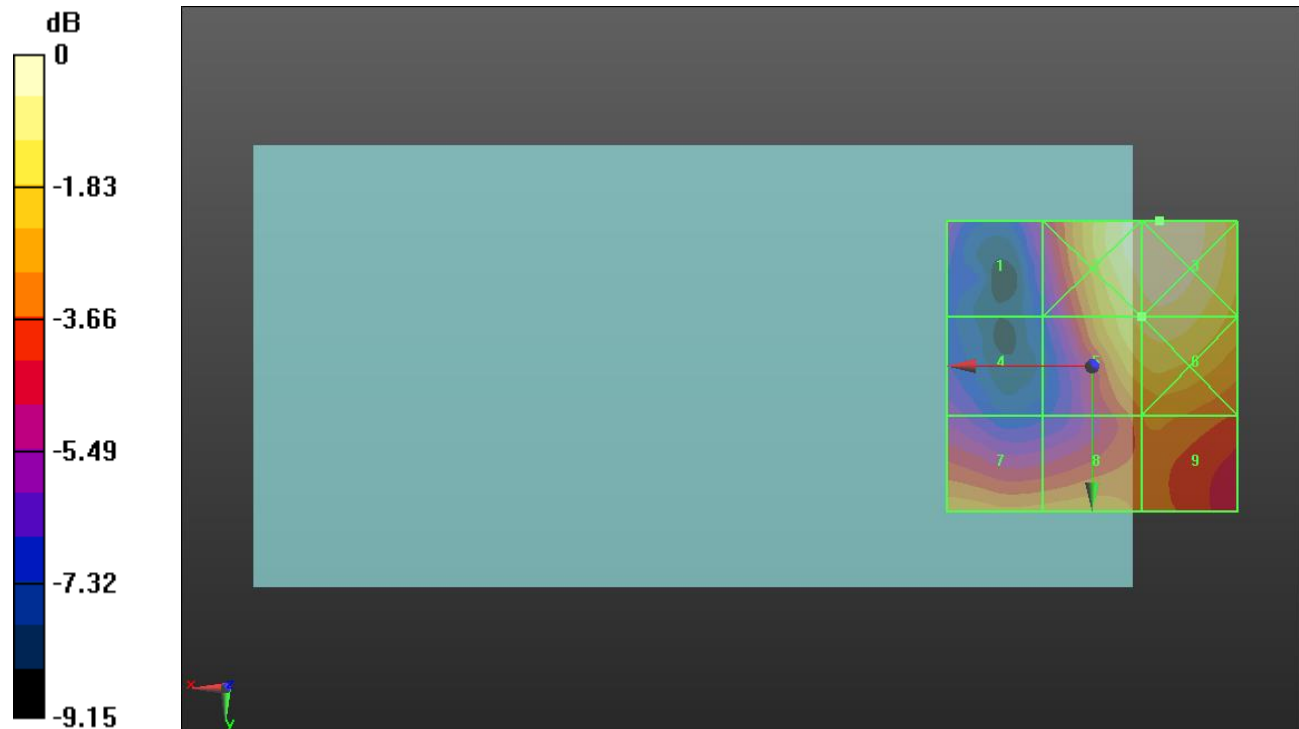
Applied MIF = 3.63 dB

RF audio interference level = 29.09 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 25 dBV/m	Grid 2 M4 29.9 dBV/m	Grid 3 M3 30.08 dBV/m
Grid 4 M4 24.43 dBV/m	Grid 5 M4 29.09 dBV/m	Grid 6 M4 29.3 dBV/m
Grid 7 M4 27.61 dBV/m	Grid 8 M4 27.64 dBV/m	Grid 9 M4 27.28 dBV/m



0 dB = 31.91 V/m = 30.08 dBV/m

HAC-RF Emission

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

Phantom section: RF Section

DASY5 Configuration:

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

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

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

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 21.71 V/m; Power Drift = -0.06 dB

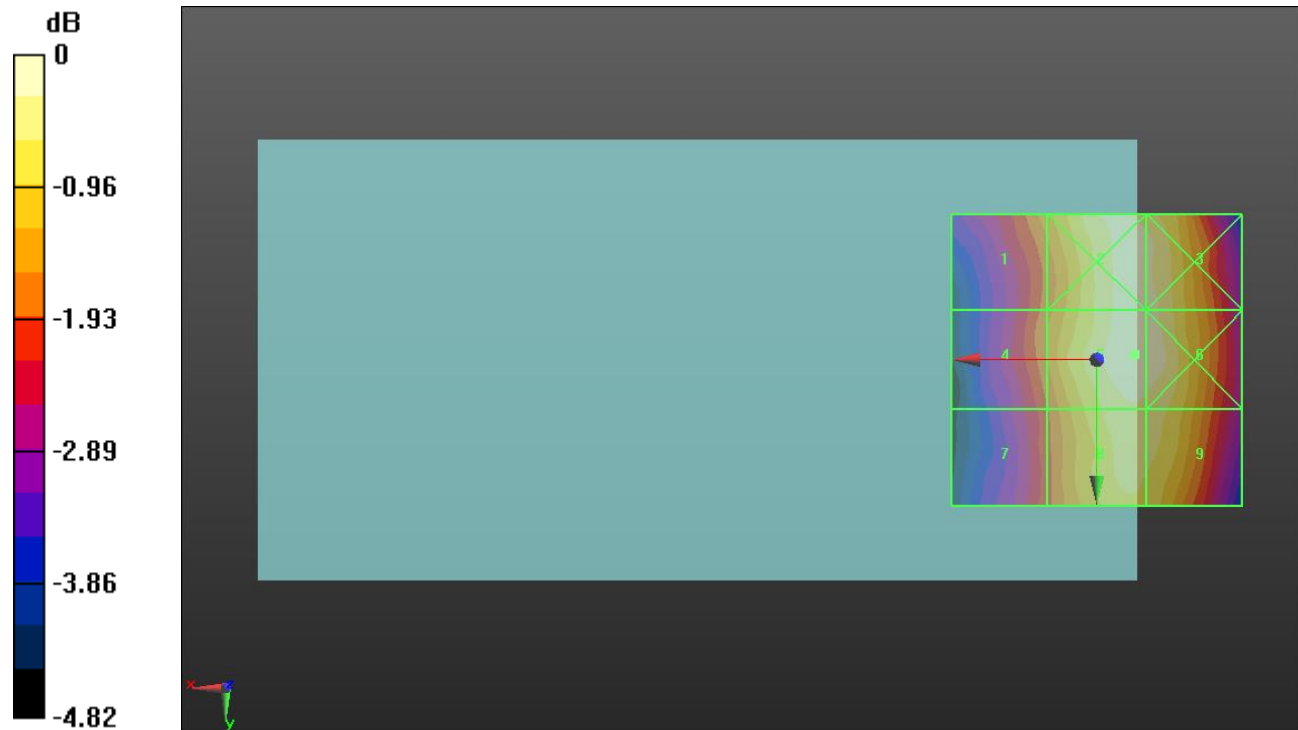
Applied MIF = 3.26 dB

RF audio interference level = 27.99 dBV/m

Emission category: **M4**

MIF scaled E-field

Grid 1 M4 26.61 dBV/m	Grid 2 M4 27.85 dBV/m	Grid 3 M4 27.82 dBV/m
Grid 4 M4 26.42 dBV/m	Grid 5 M4 27.99 dBV/m	Grid 6 M4 27.97 dBV/m
Grid 7 M4 26.05 dBV/m	Grid 8 M4 27.65 dBV/m	Grid 9 M4 27.6 dBV/m



0 dB = 25.09 V/m = 27.99 dBV/m

HAC-RF Emission

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

Phantom section: RF Section

DASY5 Configuration:

- Probe: EF3DV3 - SN4041; ConvF(1, 1, 1) @ 836.52 MHz; Calibrated: 3/22/2019
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1540; Calibrated: 2/18/2019
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7450)

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

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

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 13.95 V/m; Power Drift = 2.59 dB

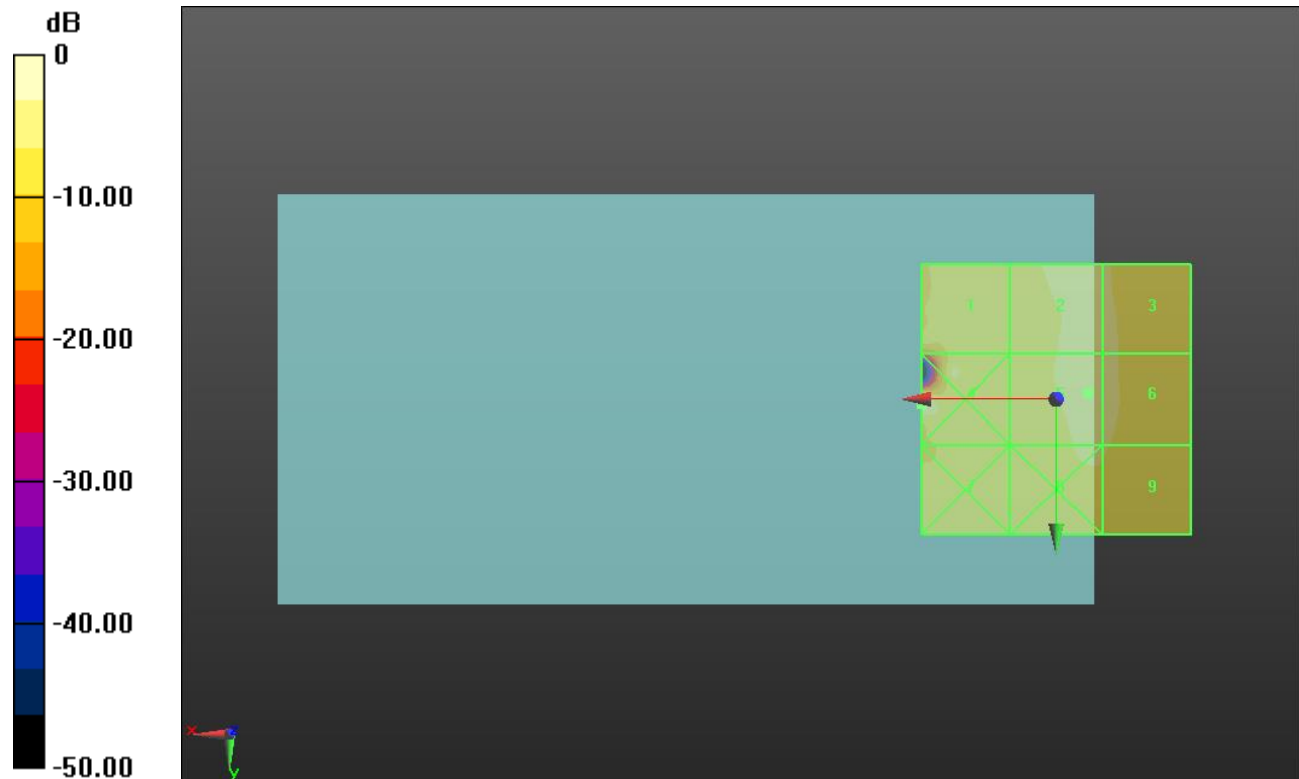
Applied MIF = 3.26 dB

RF audio interference level = 26.73 dBV/m

Emission category: **M4**

MIF scaled E-field

Grid 1 M4 25.87 dBV/m	Grid 2 M4 26.72 dBV/m	Grid 3 M4 26.64 dBV/m
Grid 4 M4 33.01 dBV/m	Grid 5 M4 26.73 dBV/m	Grid 6 M4 26.65 dBV/m
Grid 7 M4 26.26 dBV/m	Grid 8 M4 26.48 dBV/m	Grid 9 M4 26.44 dBV/m



0 dB = 44.72 V/m = 33.01 dBV/m

HAC-RF Emission

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

Phantom section: RF Section

DASY5 Configuration:

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

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

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

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 21.91 V/m; Power Drift = -0.19 dB

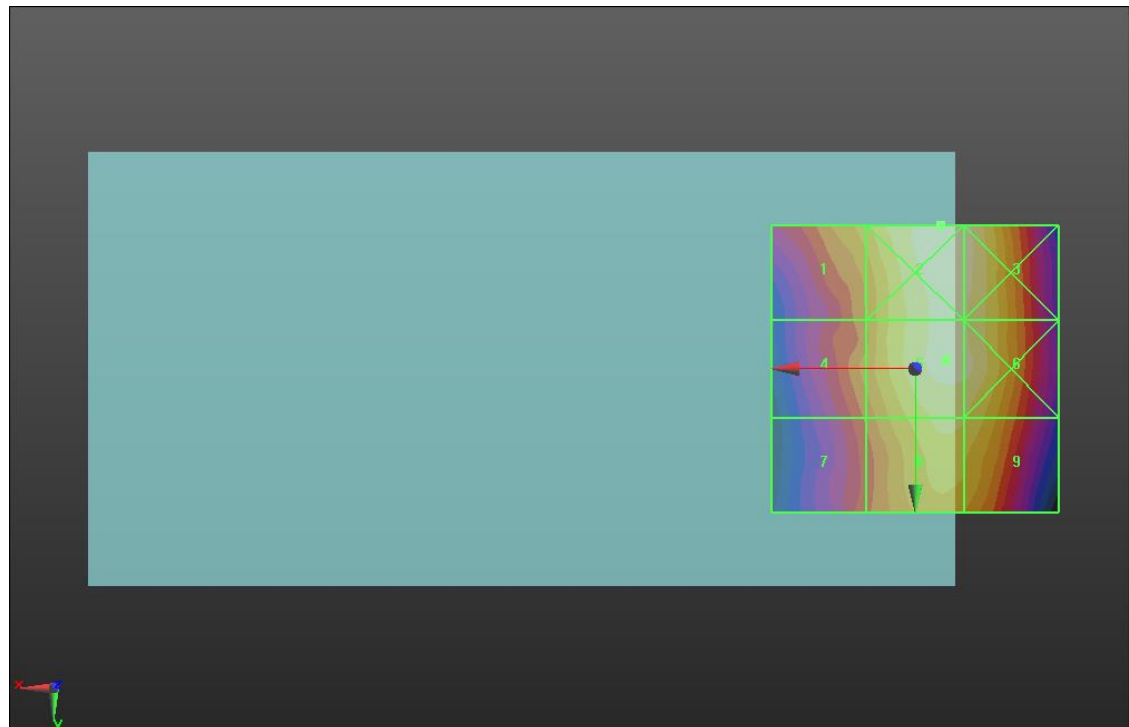
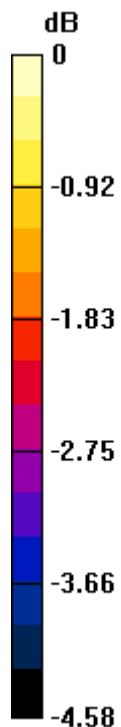
Applied MIF = 3.26 dB

RF audio interference level = 27.73 dBV/m

Emission category: **M4**

MIF scaled E-field

Grid 1 M4 26.89 dBV/m	Grid 2 M4 27.89 dBV/m	Grid 3 M4 27.74 dBV/m
Grid 4 M4 26.51 dBV/m	Grid 5 M4 27.73 dBV/m	Grid 6 M4 27.69 dBV/m
Grid 7 M4 26.14 dBV/m	Grid 8 M4 27.39 dBV/m	Grid 9 M4 27.31 dBV/m



0 dB = 24.80 V/m = 27.89 dBV/m

HAC-RF Emission

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

Phantom section: RF Section

DASY5 Configuration:

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

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

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

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 26.89 V/m; Power Drift = -0.09 dB

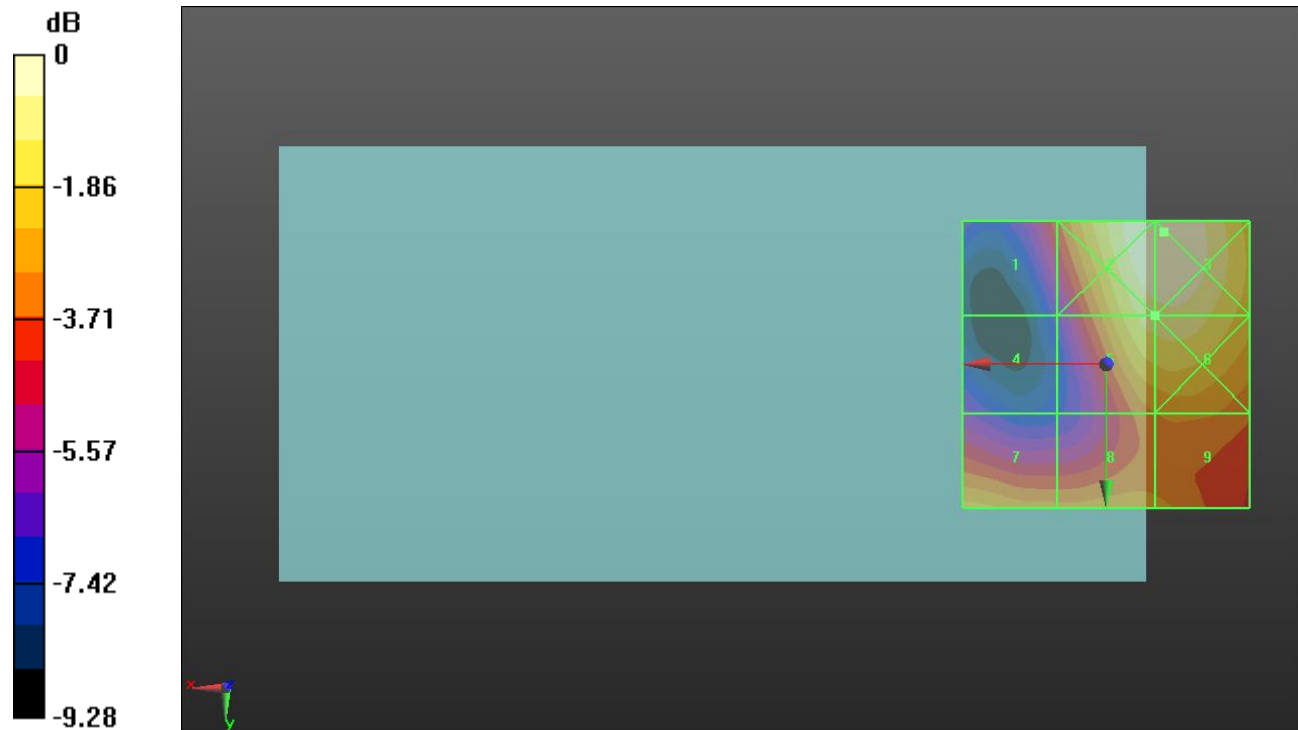
Applied MIF = 3.26 dB

RF audio interference level = 32.36 dBV/m

Emission category: **M3**

MIF scaled E-field

Grid 1 M4 29.38 dBV/m	Grid 2 M3 33.22 dBV/m	Grid 3 M3 33.24 dBV/m
Grid 4 M4 27.31 dBV/m	Grid 5 M3 32.36 dBV/m	Grid 6 M3 32.47 dBV/m
Grid 7 M3 31.07 dBV/m	Grid 8 M3 30.59 dBV/m	Grid 9 M3 30.4 dBV/m



0 dB = 45.90 V/m = 33.24 dBV/m

HAC-RF Emission

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

Phantom section: RF Section

DASY5 Configuration:

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

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

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

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 34.19 V/m; Power Drift = -0.28 dB

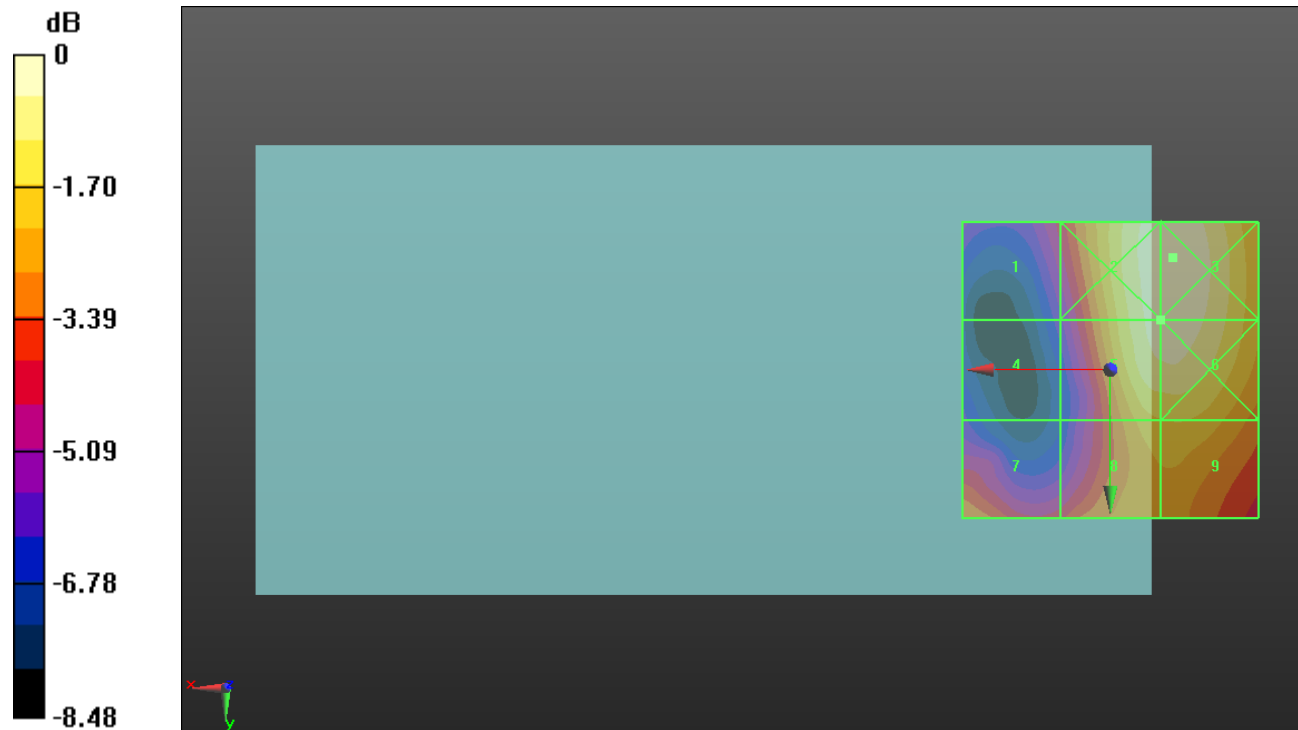
Applied MIF = 3.26 dB

RF audio interference level = 33.87 dBV/m

Emission category: **M3**

MIF scaled E-field

Grid 1 M4 29.88 dBV/m	Grid 2 M3 34.08 dBV/m	Grid 3 M3 34.15 dBV/m
Grid 4 M4 28.38 dBV/m	Grid 5 M3 33.87 dBV/m	Grid 6 M3 33.95 dBV/m
Grid 7 M3 31.38 dBV/m	Grid 8 M3 32.43 dBV/m	Grid 9 M3 32.5 dBV/m



0 dB = 51.00 V/m = 34.15 dBV/m

HAC-RF Emission

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

Phantom section: RF Section

DASY5 Configuration:

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

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

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

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 26.38 V/m; Power Drift = 0.56 dB

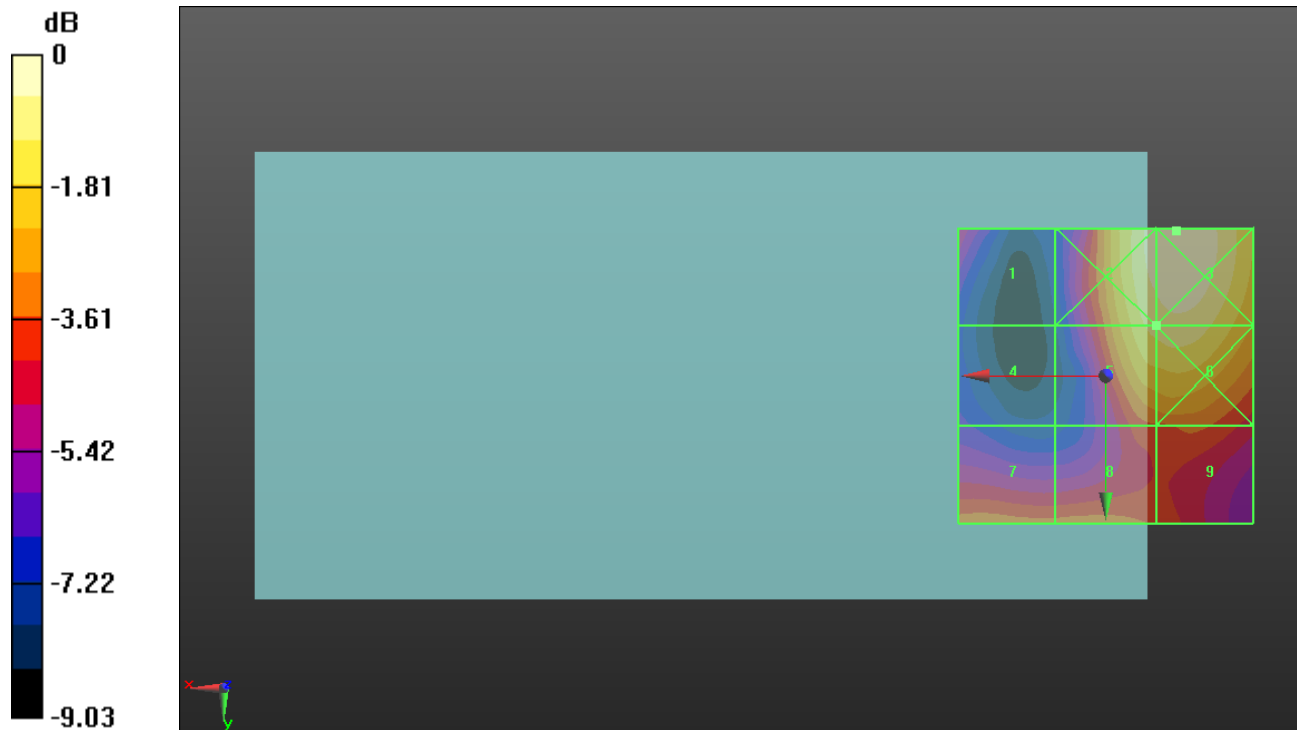
Applied MIF = 3.26 dB

RF audio interference level = 33.21 dBV/m

Emission category: **M3**

MIF scaled E-field

Grid 1 M4 29.56 dBV/m	Grid 2 M3 33.92 dBV/m	Grid 3 M3 34.2 dBV/m
Grid 4 M4 27.86 dBV/m	Grid 5 M3 33.21 dBV/m	Grid 6 M3 33.41 dBV/m
Grid 7 M3 31.09 dBV/m	Grid 8 M3 31 dBV/m	Grid 9 M3 30.79 dBV/m



0 dB = 51.31 V/m = 34.20 dBV/m

HAC-RF Emission

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

Phantom section: RF Section

DASY5 Configuration:

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

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

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

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 49.50 V/m; Power Drift = 0.47 dB

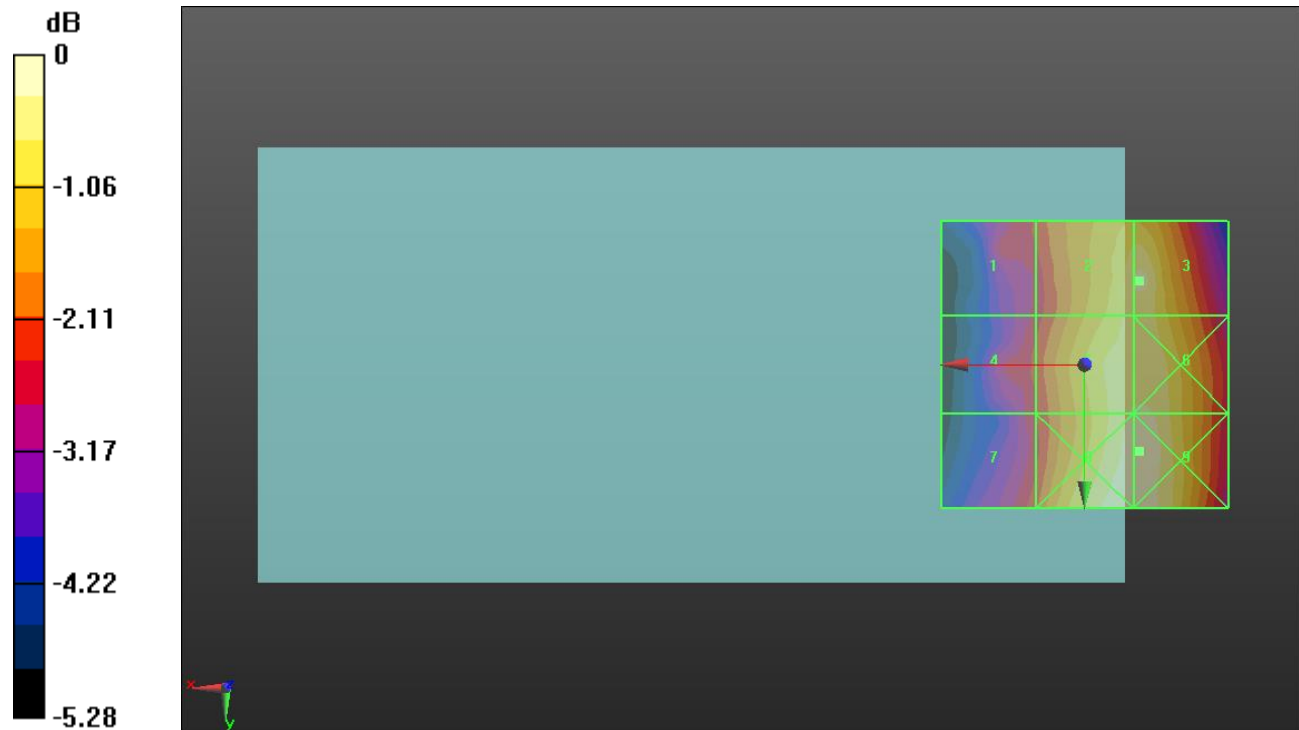
Applied MIF = 3.26 dB

RF audio interference level = 35.67 dBV/m

Emission category: **M4**

MIF scaled E-field

Grid 1 M4 33.51 dBV/m	Grid 2 M4 35.57 dBV/m	Grid 3 M4 35.67 dBV/m
Grid 4 M4 33.56 dBV/m	Grid 5 M4 35.61 dBV/m	Grid 6 M4 35.65 dBV/m
Grid 7 M4 33.73 dBV/m	Grid 8 M4 35.82 dBV/m	Grid 9 M4 35.88 dBV/m



0 dB = 62.24 V/m = 35.88 dBV/m

HAC-RF Emission

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

Phantom section: RF Section

DASY5 Configuration:

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

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

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

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 49.38 V/m; Power Drift = 0.17 dB

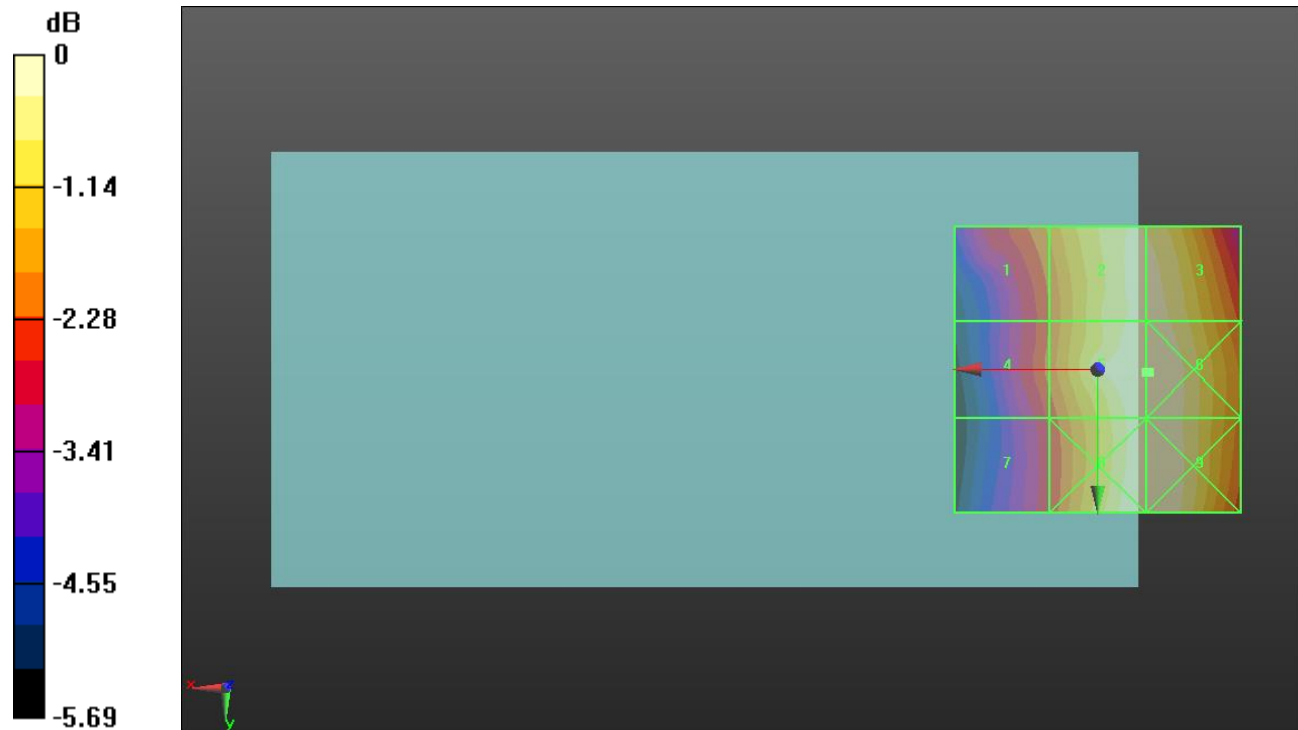
Applied MIF = 3.26 dB

RF audio interference level = 35.51 dBV/m

Emission category: **M4**

MIF scaled E-field

Grid 1 M4 33.72 dBV/m	Grid 2 M4 35.3 dBV/m	Grid 3 M4 35.31 dBV/m
Grid 4 M4 33.39 dBV/m	Grid 5 M4 35.51 dBV/m	Grid 6 M4 35.51 dBV/m
Grid 7 M4 32.97 dBV/m	Grid 8 M4 35.49 dBV/m	Grid 9 M4 35.49 dBV/m



0 dB = 59.65 V/m = 35.51 dBV/m

HAC-RF Emission

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

Phantom section: RF Section

DASY5 Configuration:

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

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

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

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 55.02 V/m; Power Drift = -0.58 dB

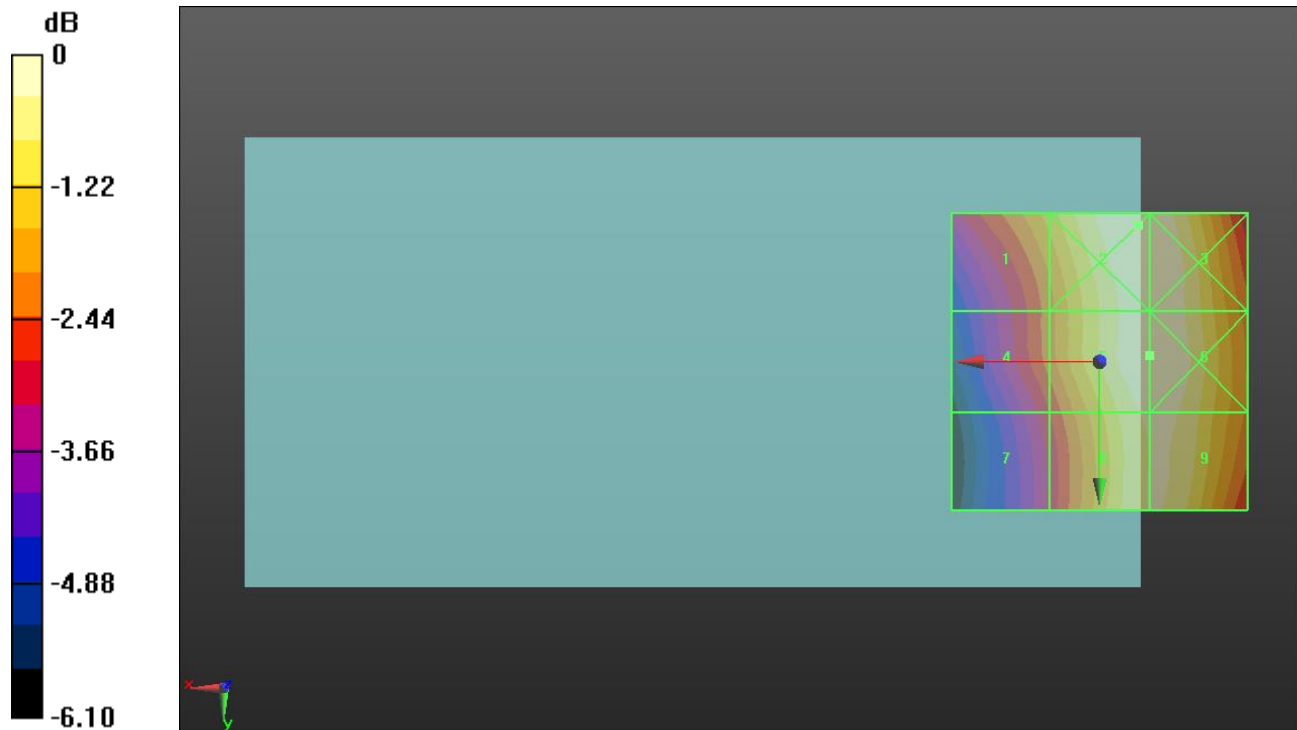
Applied MIF = 3.26 dB

RF audio interference level = 36.27 dBV/m

Emission category: **M4**

MIF scaled E-field

Grid 1 M4 34.87 dBV/m	Grid 2 M4 36.31 dBV/m	Grid 3 M4 36.29 dBV/m
Grid 4 M4 34.12 dBV/m	Grid 5 M4 36.27 dBV/m	Grid 6 M4 36.27 dBV/m
Grid 7 M4 33.46 dBV/m	Grid 8 M4 36 dBV/m	Grid 9 M4 36.02 dBV/m



0 dB = 65.35 V/m = 36.30 dBV/m

HAC-RF Emission

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

Phantom section: RF Section

DASY5 Configuration:

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

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

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 9.999 V/m; Power Drift = -0.15 dB

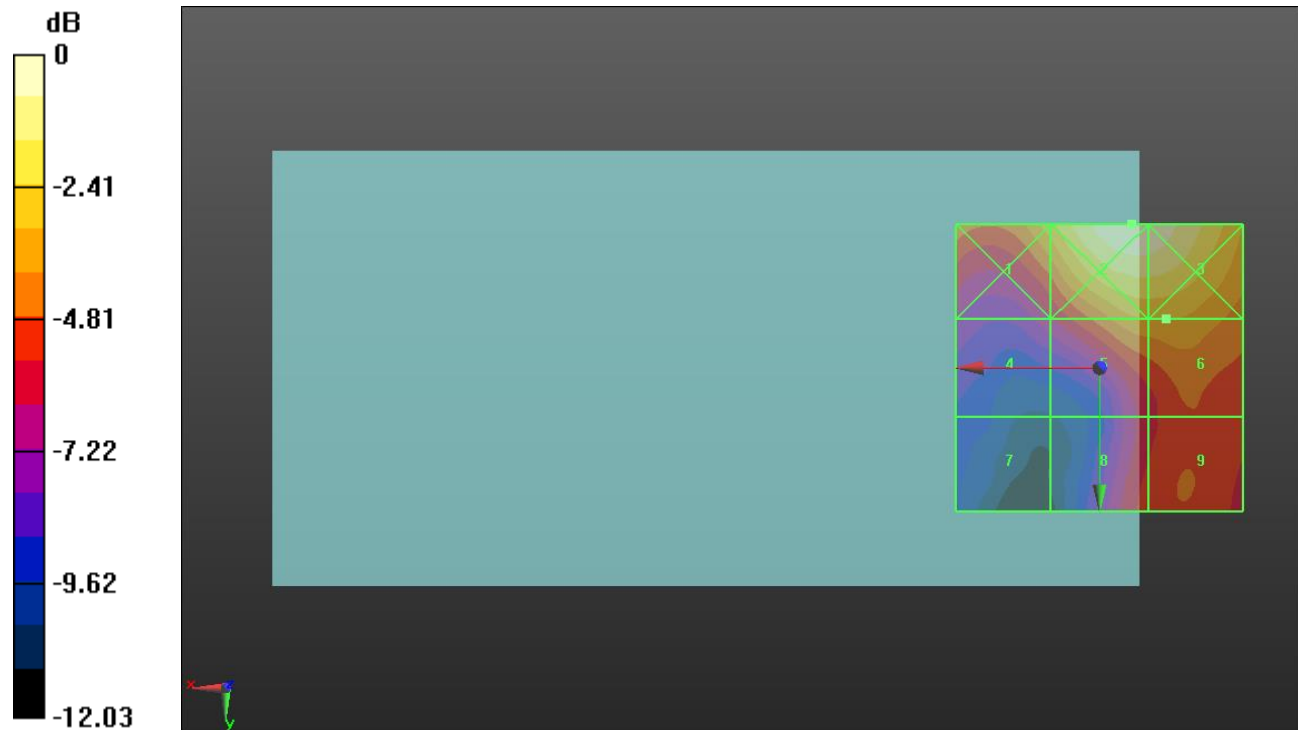
Applied MIF = -1.44 dB

RF audio interference level = 22.65 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 23.17 dBV/m	Grid 2 M4 25.83 dBV/m	Grid 3 M4 25.67 dBV/m
Grid 4 M4 19.33 dBV/m	Grid 5 M4 22.6 dBV/m	Grid 6 M4 22.65 dBV/m
Grid 7 M4 16.88 dBV/m	Grid 8 M4 20.57 dBV/m	Grid 9 M4 21.08 dBV/m



0 dB = 19.57 V/m = 25.83 dBV/m

HAC-RF Emission

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

Phantom section: RF Section

DASY5 Configuration:

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

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

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

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 9.179 V/m; Power Drift = 0.44 dB

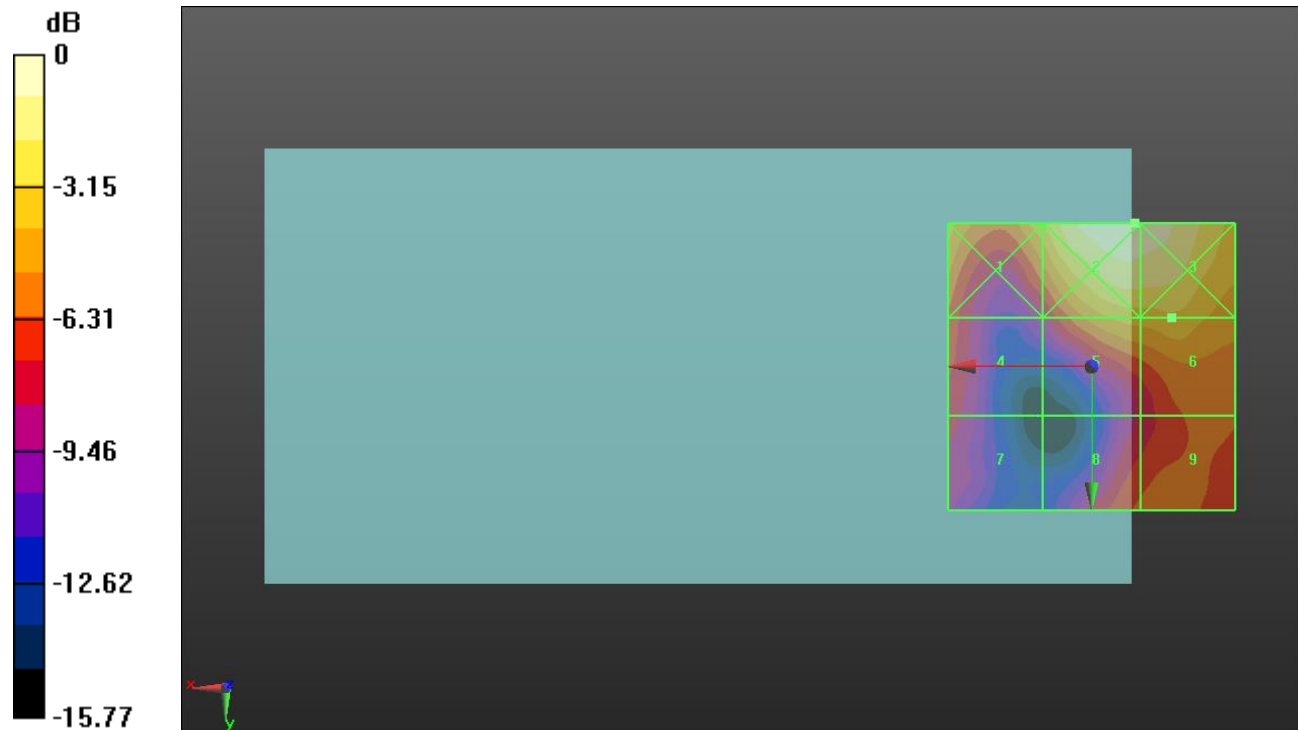
Applied MIF = -1.44 dB

RF audio interference level = 21.86 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 22.07 dBV/m	Grid 2 M4 25.24 dBV/m	Grid 3 M4 25.22 dBV/m
Grid 4 M4 18.88 dBV/m	Grid 5 M4 21.52 dBV/m	Grid 6 M4 21.86 dBV/m
Grid 7 M4 17.41 dBV/m	Grid 8 M4 19.19 dBV/m	Grid 9 M4 19.48 dBV/m



0 dB = 18.28 V/m = 25.24 dBV/m

HAC-RF Emission

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

Phantom section: RF Section

DASY5 Configuration:

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

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

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 11.08 V/m; Power Drift = -0.85 dB

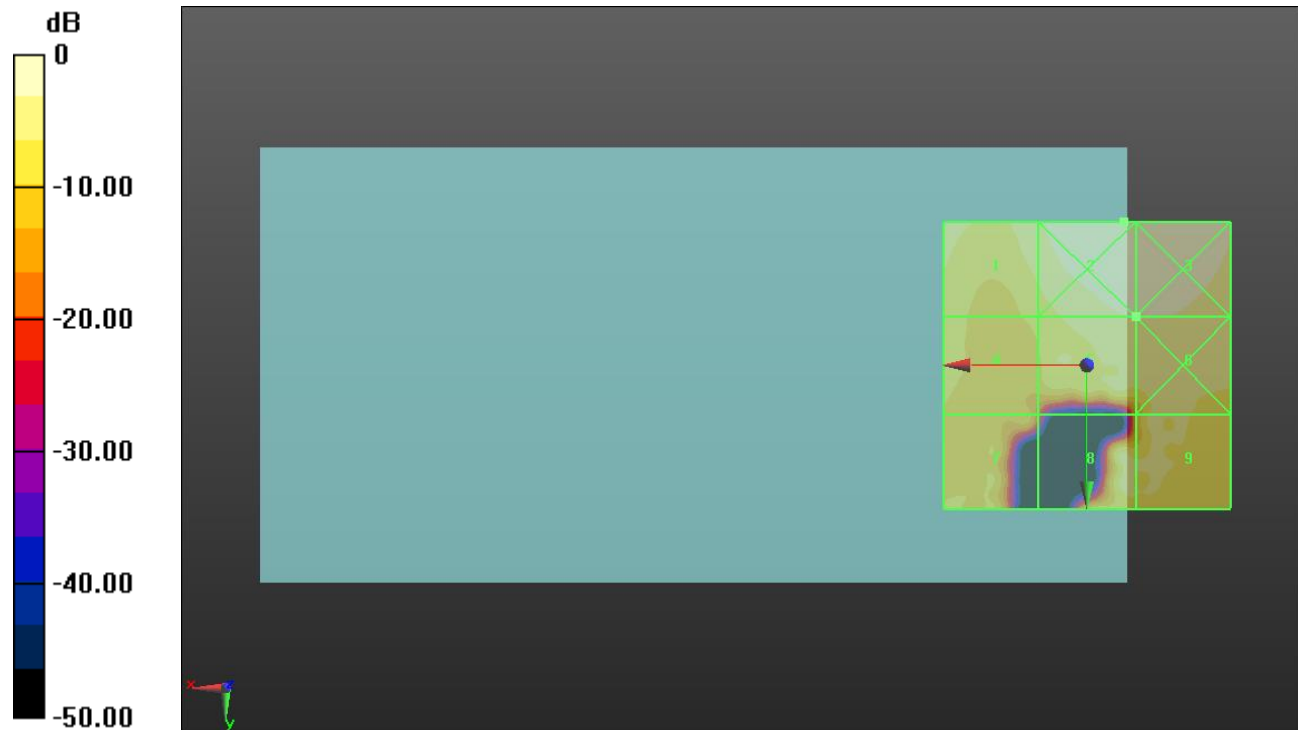
Applied MIF = -1.44 dB

RF audio interference level = 21.62 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 21.03 dBV/m	Grid 2 M4 24.89 dBV/m	Grid 3 M4 24.81 dBV/m
Grid 4 M4 17.31 dBV/m	Grid 5 M4 21.62 dBV/m	Grid 6 M4 21.7 dBV/m
Grid 7 M4 15.79 dBV/m	Grid 8 M4 19.52 dBV/m	Grid 9 M4 19.33 dBV/m



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

HAC-RF Emission

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

Phantom section: RF Section

DASY5 Configuration:

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

LTE Band 41 E-Field measurement/LTE TDD_16QAM_RB 1/49_ch 41055/Hearing Aid Compatibility Test (101x101x1):

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

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 8.123 V/m; Power Drift = -0.25 dB

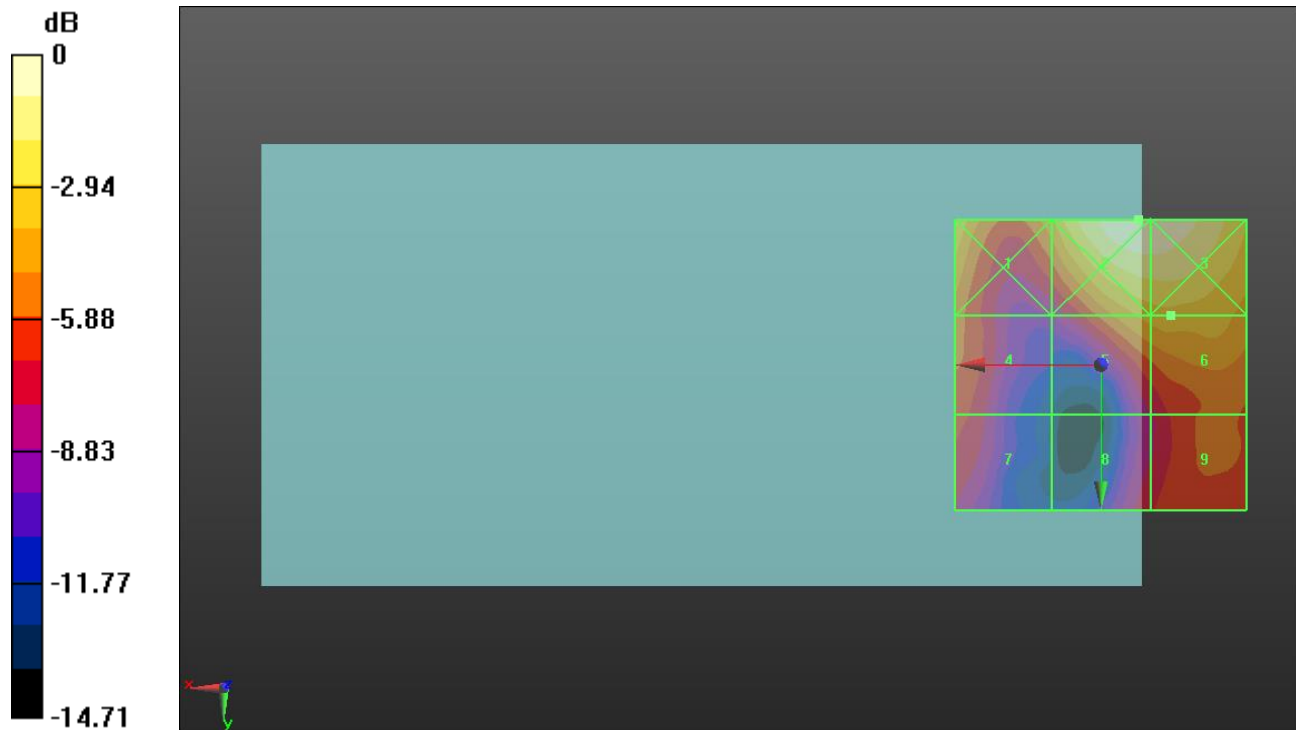
Applied MIF = -1.44 dB

RF audio interference level = 20.40 dBV/m

Emission category: **M4**

MIF scaled E-field

Grid 1 M4 21.12 dBV/m	Grid 2 M4 23.67 dBV/m	Grid 3 M4 23.61 dBV/m
Grid 4 M4 18.31 dBV/m	Grid 5 M4 20.17 dBV/m	Grid 6 M4 20.4 dBV/m
Grid 7 M4 17.05 dBV/m	Grid 8 M4 16.69 dBV/m	Grid 9 M4 18.55 dBV/m



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

HAC-RF Emission

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

Phantom section: RF Section

DASY5 Configuration:

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

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

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

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 7.663 V/m; Power Drift = -0.74 dB

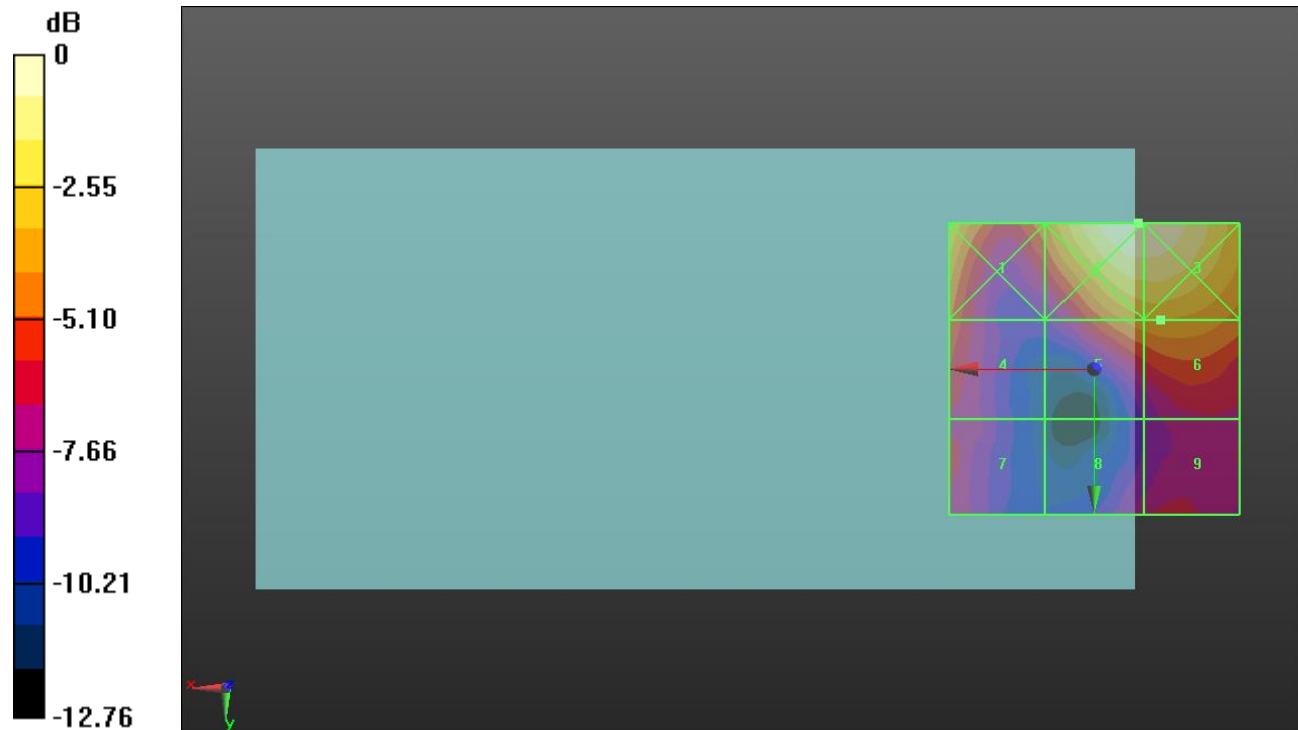
Applied MIF = -1.44 dB

RF audio interference level = 20.61 dBV/m

Emission category: **M4**

MIF scaled E-field

Grid 1 M4 21.92 dBV/m	Grid 2 M4 23.94 dBV/m	Grid 3 M4 23.93 dBV/m
Grid 4 M4 19.03 dBV/m	Grid 5 M4 20.41 dBV/m	Grid 6 M4 20.61 dBV/m
Grid 7 M4 18.19 dBV/m	Grid 8 M4 16.94 dBV/m	Grid 9 M4 17.42 dBV/m



0 dB = 15.75 V/m = 23.95 dBV/m

HAC-RF Emission

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

Phantom section: RF Section

DASY5 Configuration:

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

LTE Band 41 E-Field measurement 2/LTE TDD_16QAM_RB 1/49_ch 39750/Hearing Aid Compatibility Test (101x101x1):

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

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 11.14 V/m; Power Drift = -2.17 dB

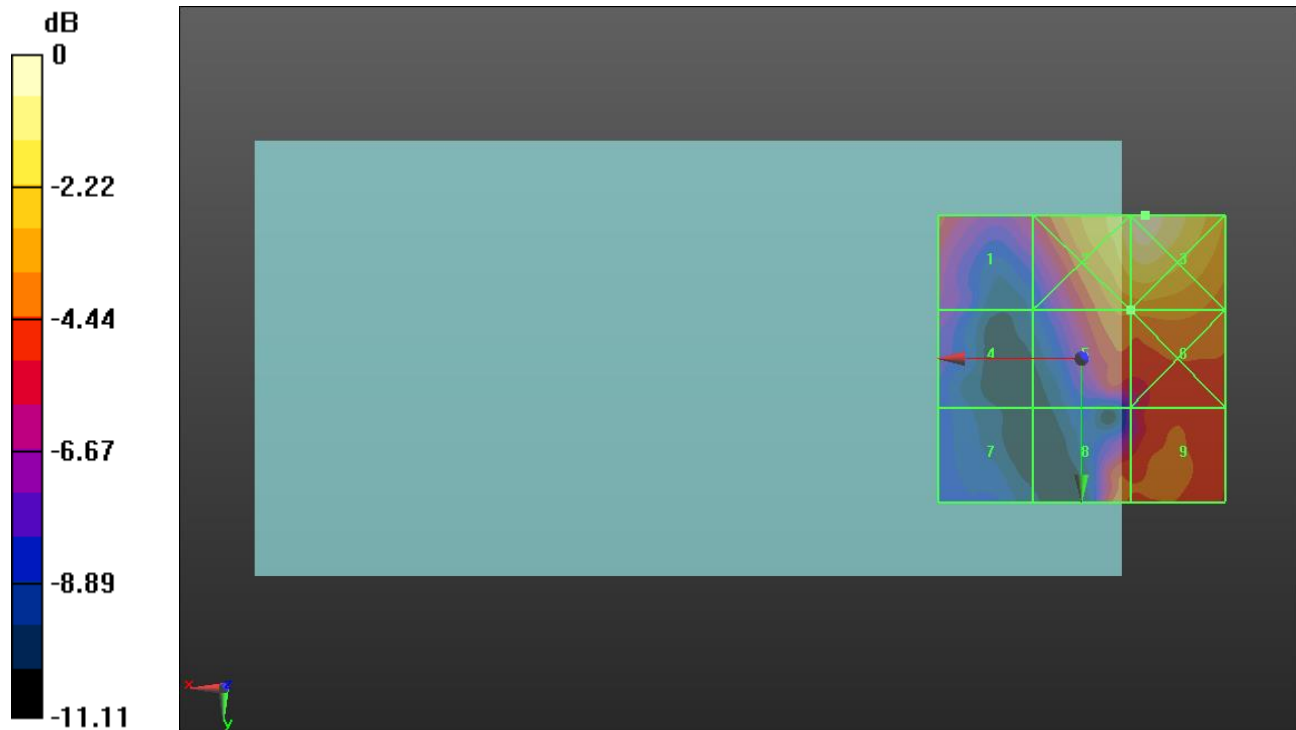
Applied MIF = -1.44 dB

RF audio interference level = 22.14 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 20.94 dBV/m	Grid 2 M4 25.13 dBV/m	Grid 3 M4 25.59 dBV/m
Grid 4 M4 18.81 dBV/m	Grid 5 M4 22.14 dBV/m	Grid 6 M4 22.25 dBV/m
Grid 7 M4 17.34 dBV/m	Grid 8 M4 21.67 dBV/m	Grid 9 M4 21.31 dBV/m



0 dB = 19.03 V/m = 25.59 dBV/m

HAC-RF Emission

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

Phantom section: RF Section

DASY5 Configuration:

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

LTE Band 41 E-Field measurement 2/LTE TDD_16QAM_RB 1/49_ch 40185/Hearing Aid Compatibility Test (101x101x1):

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

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 9.789 V/m; Power Drift = -0.29 dB

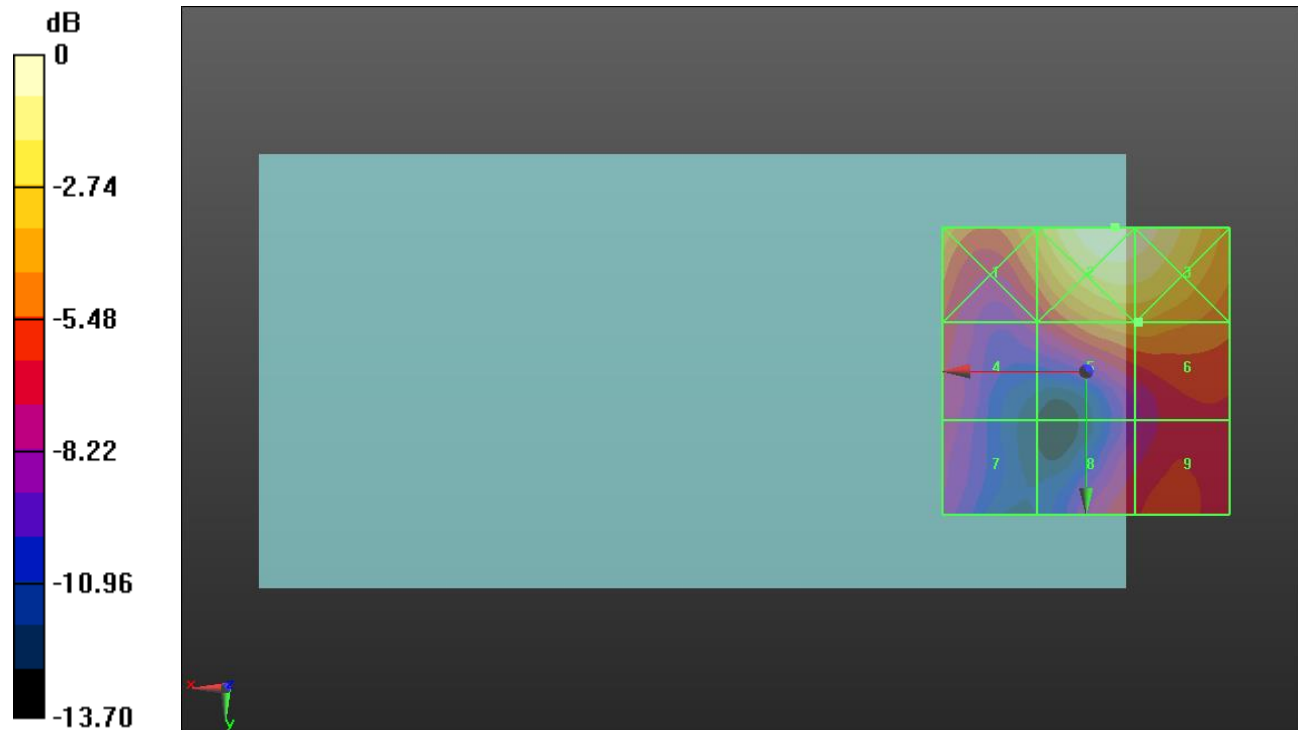
Applied MIF = -1.44 dB

RF audio interference level = 21.92 dBV/m

Emission category: **M4**

MIF scaled E-field

Grid 1 M4 22.51 dBV/m	Grid 2 M4 25.69 dBV/m	Grid 3 M4 25.47 dBV/m
Grid 4 M4 19.34 dBV/m	Grid 5 M4 21.92 dBV/m	Grid 6 M4 21.92 dBV/m
Grid 7 M4 18.23 dBV/m	Grid 8 M4 19.26 dBV/m	Grid 9 M4 19.73 dBV/m



0 dB = 19.26 V/m = 25.69 dBV/m

HAC-RF Emission

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

Phantom section: RF Section

DASY5 Configuration:

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

LTE Band 41 E-Field measurement 2/LTE TDD_16QAM_RB 1/49_ch 40620/Hearing Aid Compatibility Test (101x101x1):

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 10.86 V/m; Power Drift = 0.40 dB

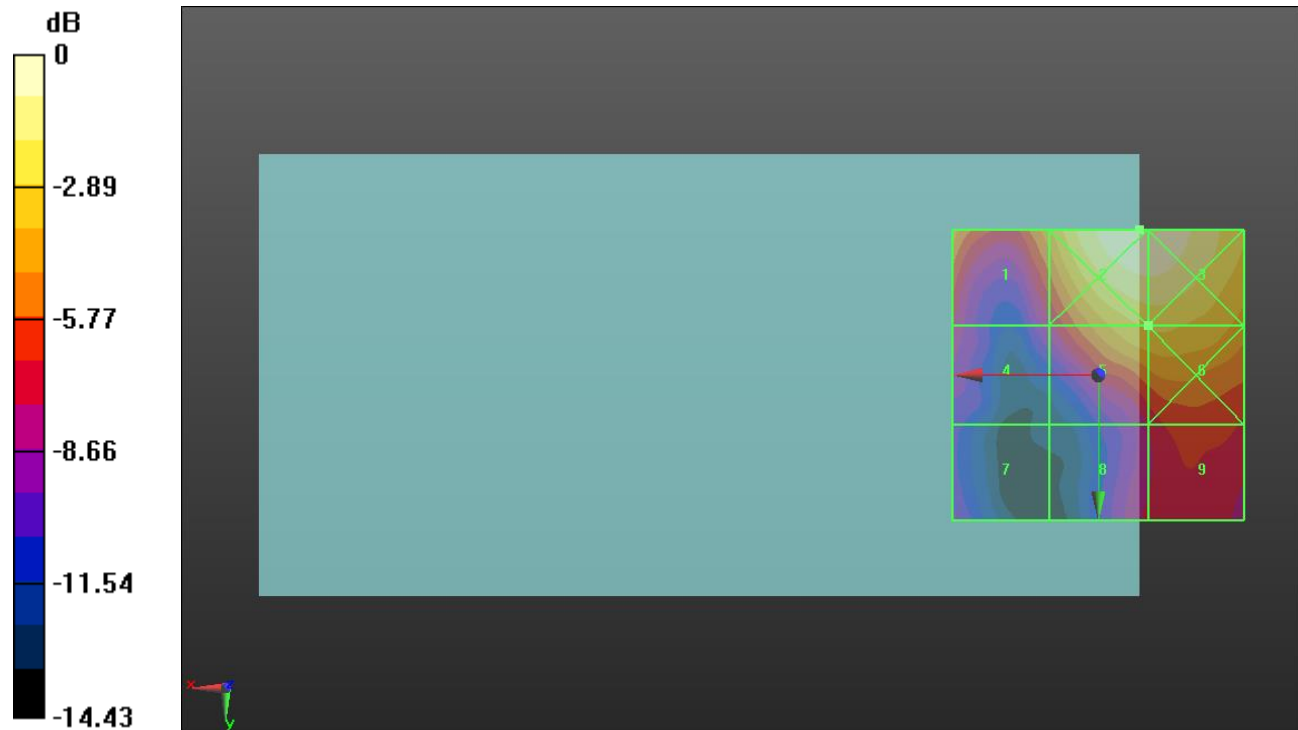
Applied MIF = -1.44 dB

RF audio interference level = 22.50 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 21.11 dBV/m	Grid 2 M4 25.22 dBV/m	Grid 3 M4 25.18 dBV/m
Grid 4 M4 17.54 dBV/m	Grid 5 M4 22.51 dBV/m	Grid 6 M4 22.59 dBV/m
Grid 7 M4 15.98 dBV/m	Grid 8 M4 17.79 dBV/m	Grid 9 M4 19.08 dBV/m



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

HAC-RF Emission

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

Phantom section: RF Section

DASY5 Configuration:

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

LTE Band 41 E-Field measurement 2/LTE TDD_16QAM_RB 1/49_ch 41055/Hearing Aid Compatibility Test (101x101x1):

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

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 8.252 V/m; Power Drift = 0.30 dB

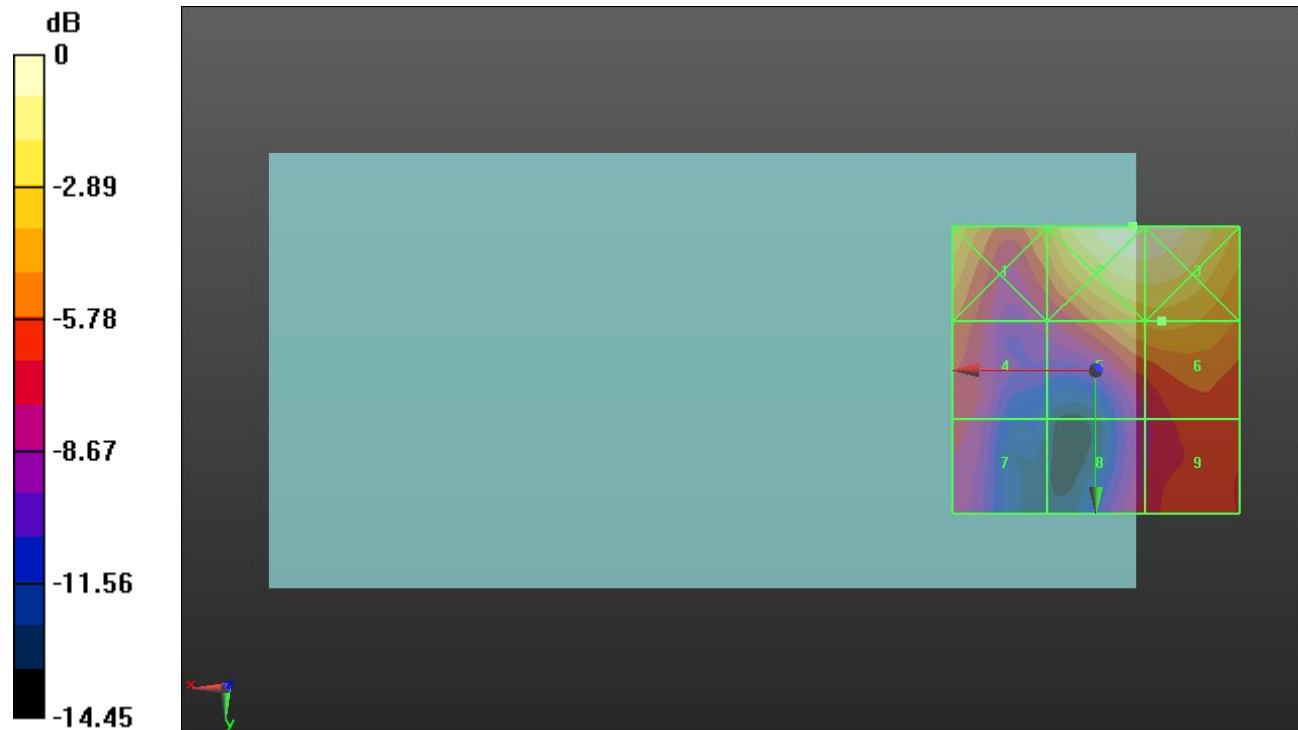
Applied MIF = -1.44 dB

RF audio interference level = 20.18 dBV/m

Emission category: **M4**

MIF scaled E-field

Grid 1 M4 21.2 dBV/m	Grid 2 M4 23.64 dBV/m	Grid 3 M4 23.59 dBV/m
Grid 4 M4 18 dBV/m	Grid 5 M4 19.98 dBV/m	Grid 6 M4 20.18 dBV/m
Grid 7 M4 16.35 dBV/m	Grid 8 M4 16.37 dBV/m	Grid 9 M4 17.49 dBV/m



0 dB = 15.21 V/m = 23.64 dBV/m

HAC-RF Emission

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

Phantom section: RF Section

DASY5 Configuration:

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

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

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

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 7.372 V/m; Power Drift = 1.05 dB

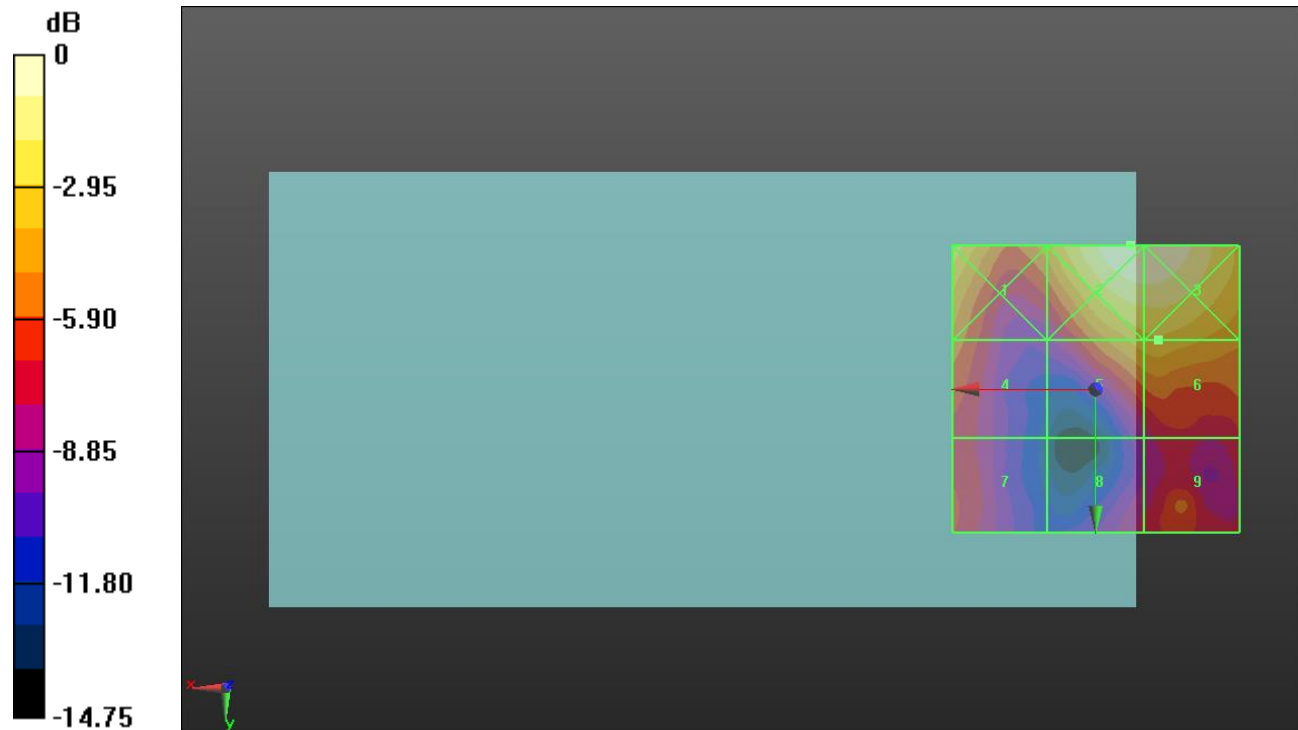
Applied MIF = -1.44 dB

RF audio interference level = 20.91 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 21.98 dBV/m	Grid 2 M4 24.08 dBV/m	Grid 3 M4 23.86 dBV/m
Grid 4 M4 18.9 dBV/m	Grid 5 M4 20.72 dBV/m	Grid 6 M4 20.91 dBV/m
Grid 7 M4 17.38 dBV/m	Grid 8 M4 16.63 dBV/m	Grid 9 M4 18.39 dBV/m



0 dB = 15.99 V/m = 24.08 dBV/m

HAC-RF Emission

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

Phantom section: RF Section

DASY5 Configuration:

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

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

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

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 6.460 V/m; Power Drift = 0.16 dB

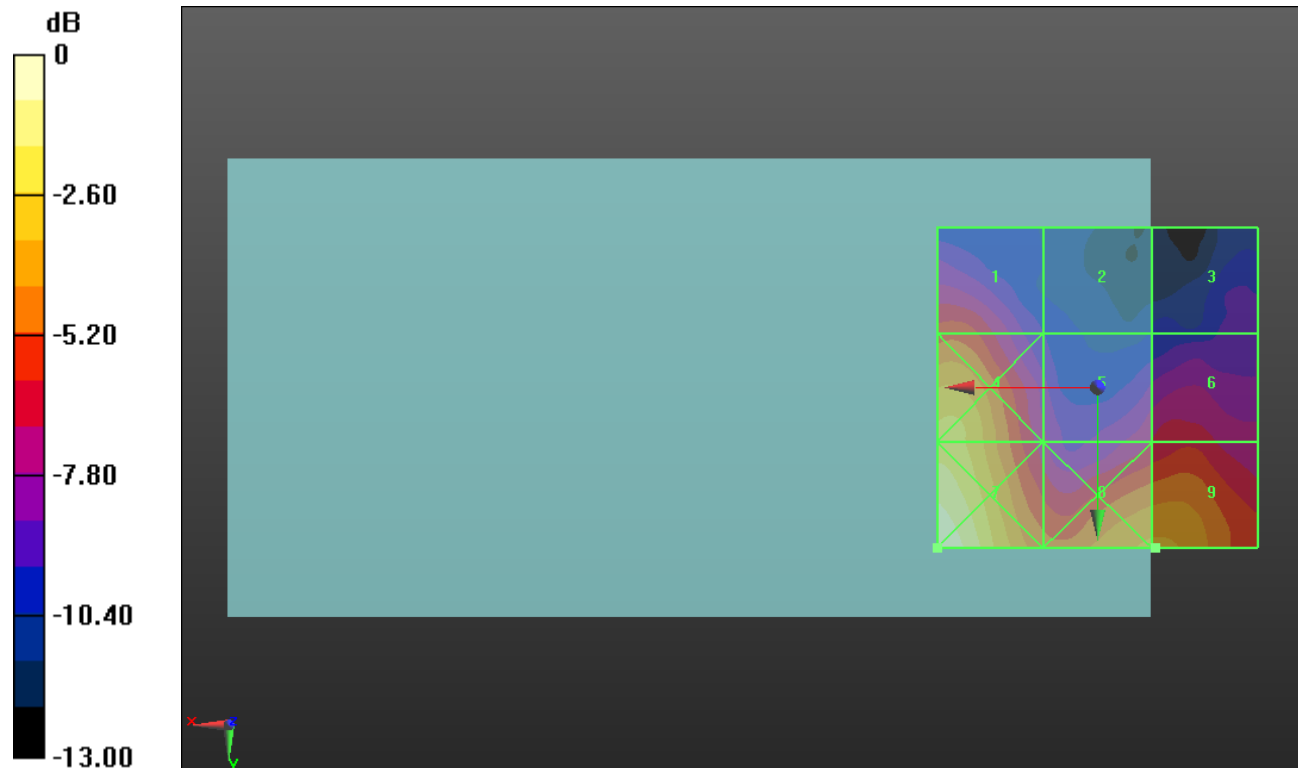
Applied MIF = -1.44 dB

RF audio interference level = 20.81 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 18.59 dBV/m	Grid 2 M4 14.6 dBV/m	Grid 3 M4 15.27 dBV/m
Grid 4 M4 21.91 dBV/m	Grid 5 M4 17.24 dBV/m	Grid 6 M4 17.85 dBV/m
Grid 7 M4 24.06 dBV/m	Grid 8 M4 20.8 dBV/m	Grid 9 M4 20.81 dBV/m



0 dB = 15.96 V/m = 24.06 dBV/m

HAC-RF Emission

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

Phantom section: RF Section

DASY5 Configuration:

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

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

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

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 10.08 V/m; Power Drift = 0.18 dB

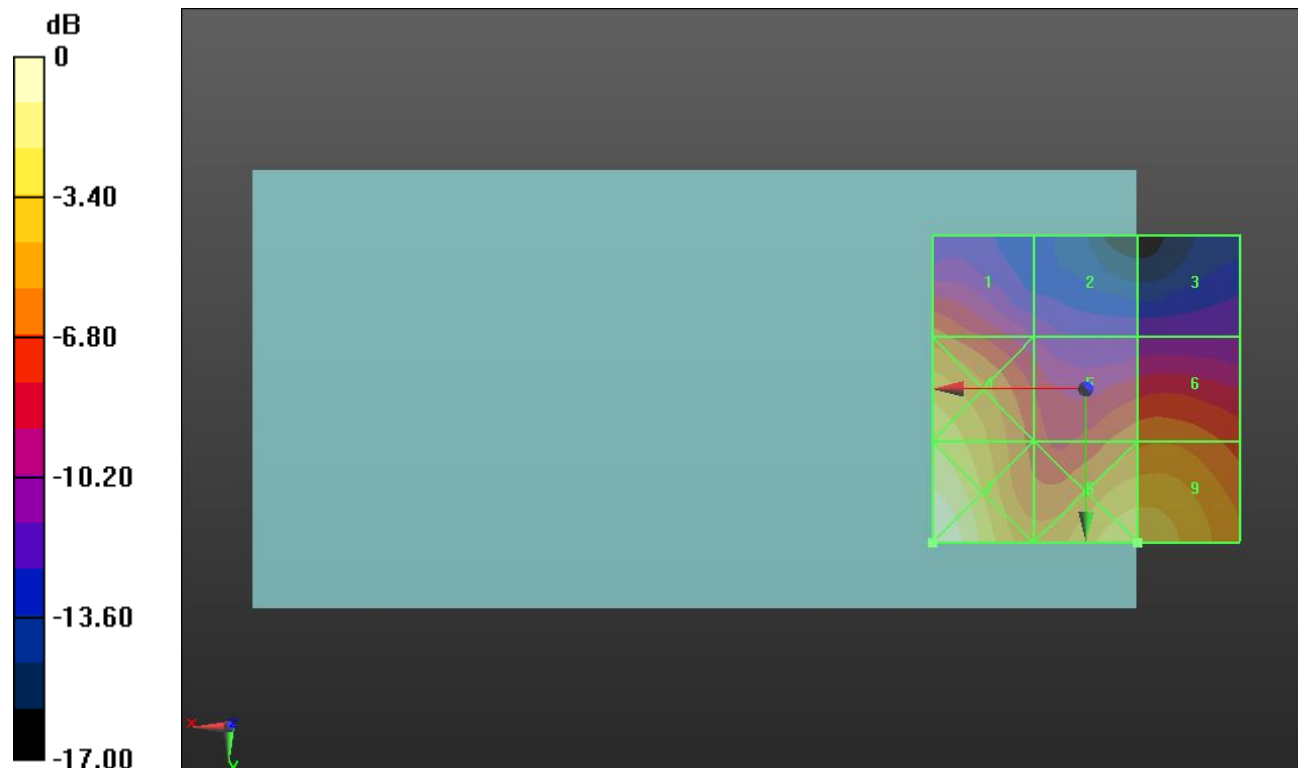
Applied MIF = -1.44 dB

RF audio interference level = 25.58 dBV/m

Emission category: **M4**

MIF scaled E-field

Grid 1 M4 22.14 dBV/m	Grid 2 M4 18.16 dBV/m	Grid 3 M4 17.11 dBV/m
Grid 4 M4 26.08 dBV/m	Grid 5 M4 22.35 dBV/m	Grid 6 M4 22.55 dBV/m
Grid 7 M4 28.28 dBV/m	Grid 8 M4 25.58 dBV/m	Grid 9 M4 25.58 dBV/m



0 dB = 25.94 V/m = 28.28 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 = 9.496 V/m; Power Drift = -0.16 dB

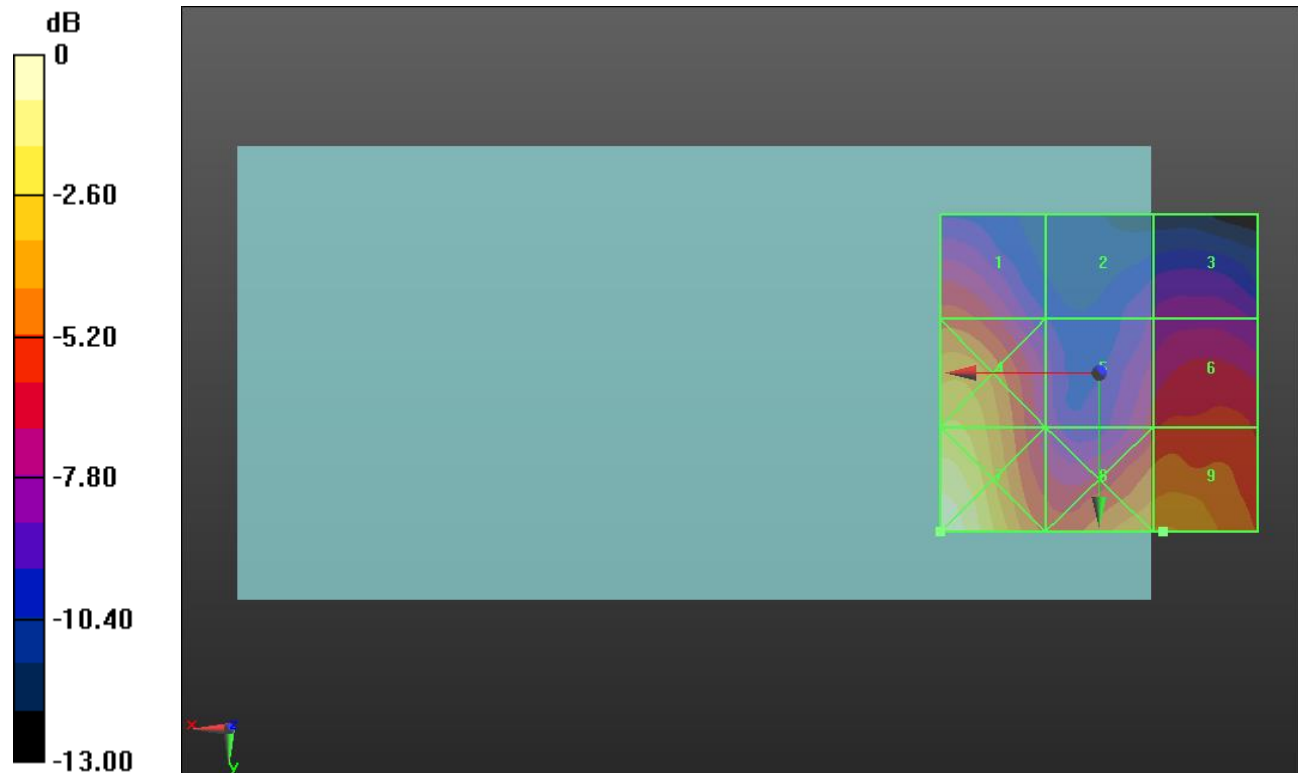
Applied MIF = -1.44 dB

RF audio interference level = 25.12 dBV/m

Emission category: **M4**

MIF scaled E-field

Grid 1 M4 22.89 dBV/m	Grid 2 M4 19.96 dBV/m	Grid 3 M4 20.42 dBV/m
Grid 4 M4 25.96 dBV/m	Grid 5 M4 22.09 dBV/m	Grid 6 M4 22.66 dBV/m
Grid 7 M4 28.42 dBV/m	Grid 8 M4 25.05 dBV/m	Grid 9 M4 25.12 dBV/m



0 dB = 26.35 V/m = 28.42 dBV/m

HAC-RF Emission

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

Phantom section: RF Section

DASY5 Configuration:

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

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

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

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 5.269 V/m; Power Drift = -0.03 dB

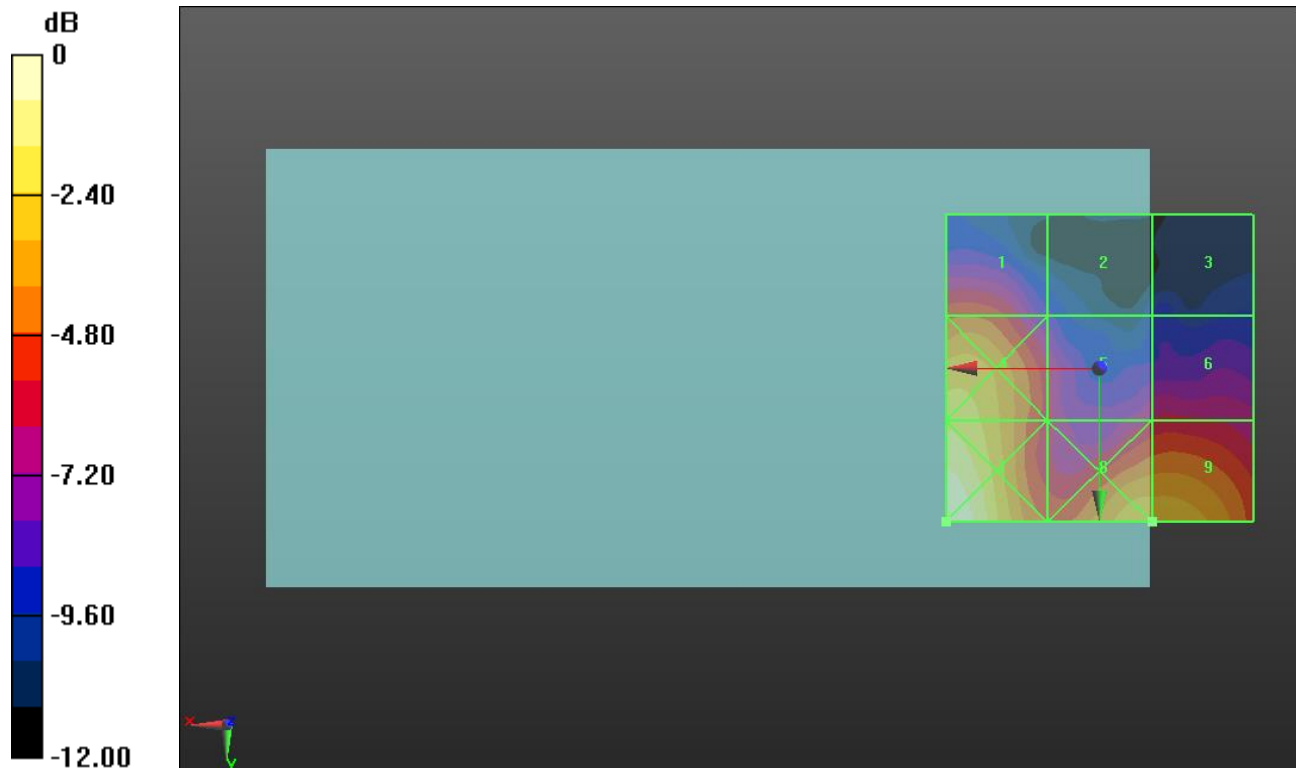
Applied MIF = -1.44 dB

RF audio interference level = 20.04 dBV/m

Emission category: **M4**

MIF scaled E-field

Grid 1 M4 17.81 dBV/m	Grid 2 M4 14.19 dBV/m	Grid 3 M4 13.39 dBV/m
Grid 4 M4 20.79 dBV/m	Grid 5 M4 16.66 dBV/m	Grid 6 M4 16.51 dBV/m
Grid 7 M4 22.58 dBV/m	Grid 8 M4 20.04 dBV/m	Grid 9 M4 20.04 dBV/m



0 dB = 13.46 V/m = 22.58 dBV/m

HAC-RF Emission

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

Phantom section: RF Section

DASY5 Configuration:

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

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

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

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 76.51 V/m; Power Drift = -0.04 dB

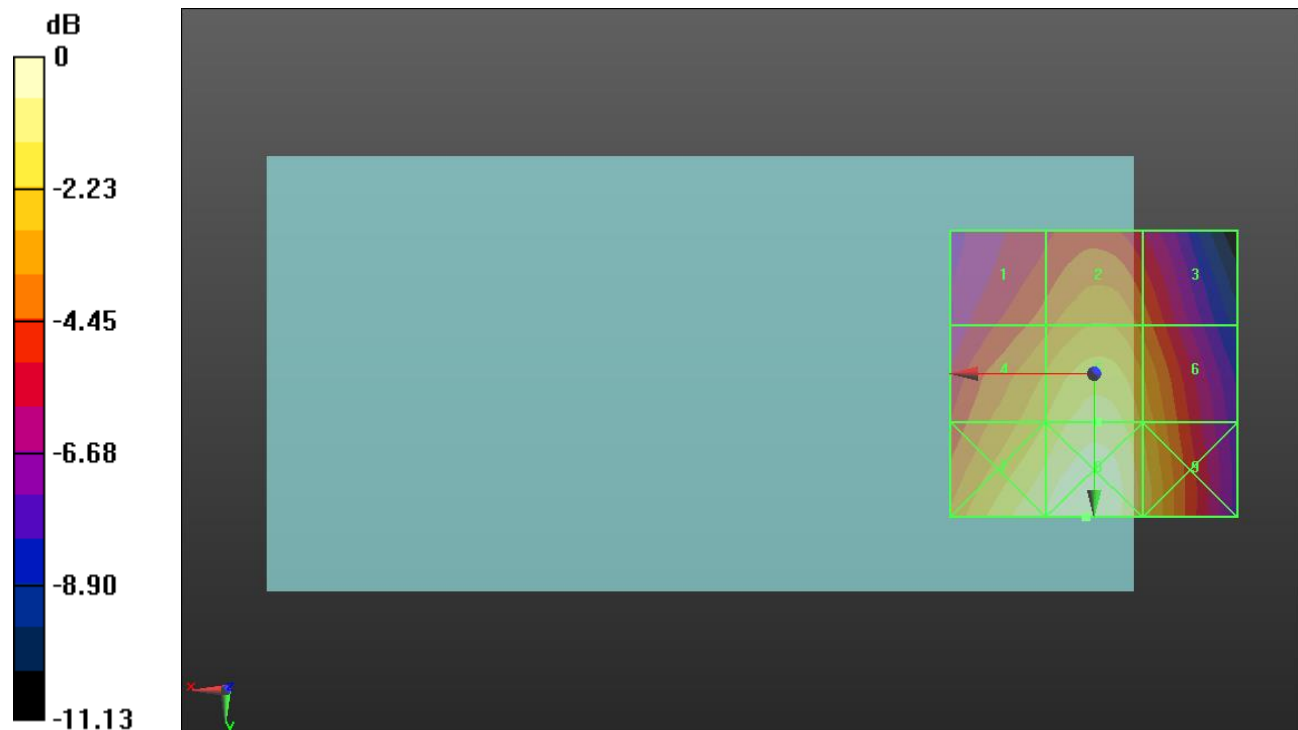
Applied MIF = 3.63 dB

RF audio interference level = 38.33 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 35.43 dBV/m	Grid 2 M4 36.5 dBV/m	Grid 3 M4 35.46 dBV/m
Grid 4 M4 37.22 dBV/m	Grid 5 M4 38.33 dBV/m	Grid 6 M4 37.07 dBV/m
Grid 7 M4 38.77 dBV/m	Grid 8 M4 39.41 dBV/m	Grid 9 M4 37.68 dBV/m



0 dB = 93.39 V/m = 39.41 dBV/m

HAC-RF Emission

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

Phantom section: RF Section

DASY5 Configuration:

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

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

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

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 68.06 V/m; Power Drift = -0.08 dB

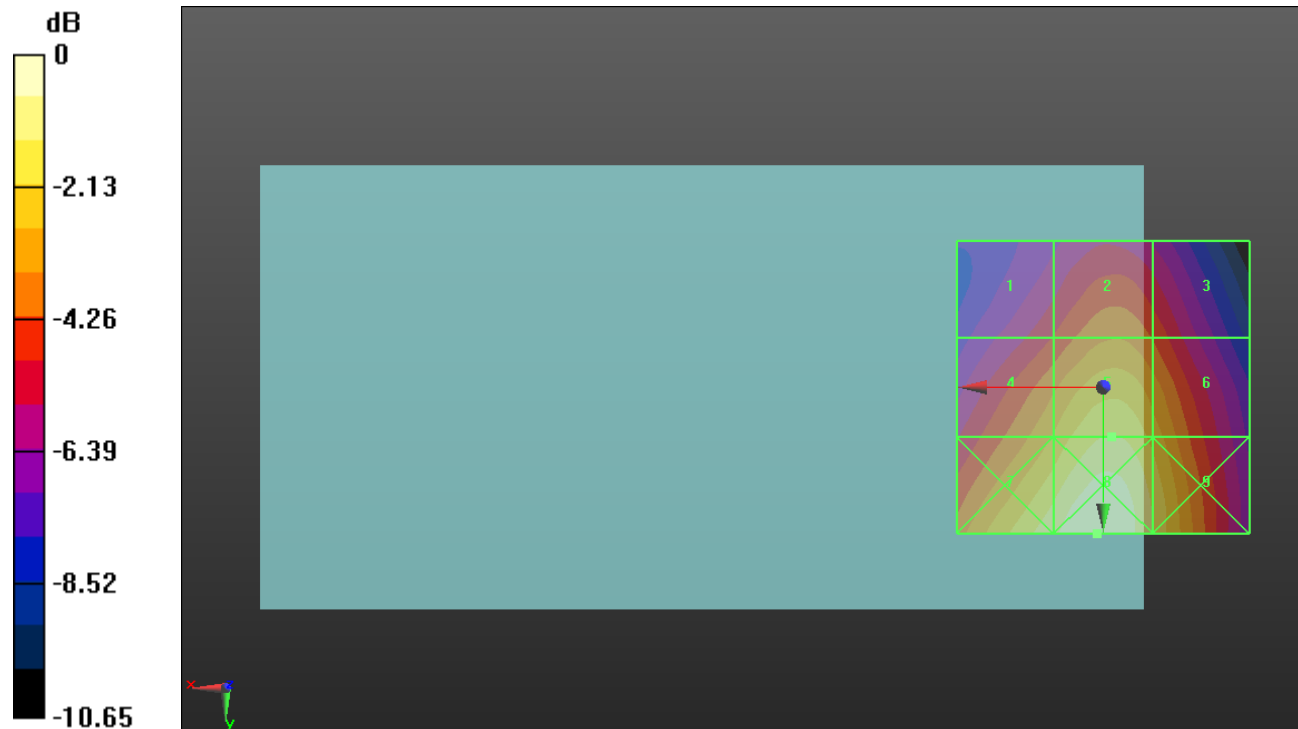
Applied MIF = 3.63 dB

RF audio interference level = 37.36 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 33.84 dBV/m	Grid 2 M4 35.17 dBV/m	Grid 3 M4 34.43 dBV/m
Grid 4 M4 36 dBV/m	Grid 5 M4 37.36 dBV/m	Grid 6 M4 36.37 dBV/m
Grid 7 M4 37.89 dBV/m	Grid 8 M4 38.74 dBV/m	Grid 9 M4 37.29 dBV/m



0 dB = 86.51 V/m = 38.74 dBV/m

HAC-RF Emission

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

Phantom section: RF Section

DASY5 Configuration:

- Probe: EF3DV3 - SN4041; ConvF(1, 1, 1) @ 848.8 MHz; Calibrated: 3/22/2019
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1540; Calibrated: 2/18/2019
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7450)

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

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

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 63.64 V/m; Power Drift = -0.07 dB

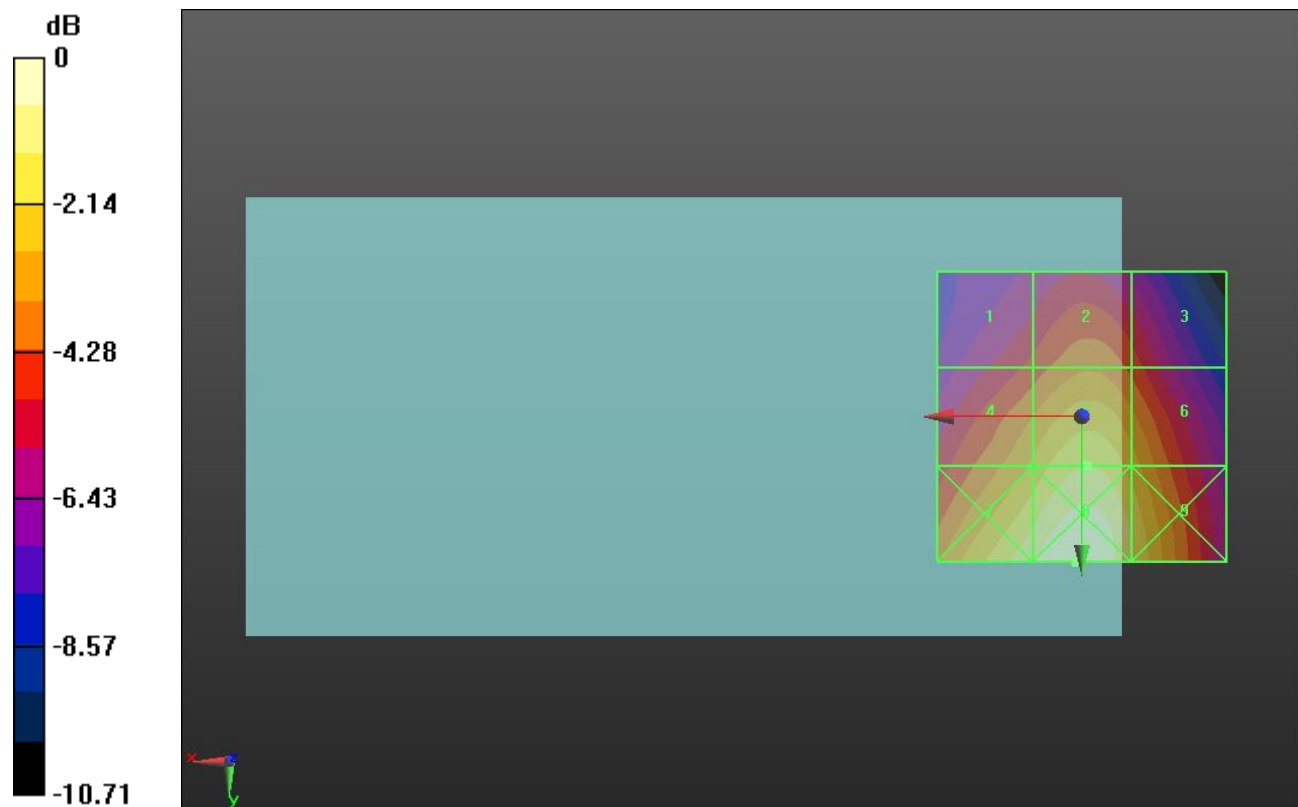
Applied MIF = 3.63 dB

RF audio interference level = 36.90 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 33.6 dBV/m	Grid 2 M4 34.67 dBV/m	Grid 3 M4 33.81 dBV/m
Grid 4 M4 35.62 dBV/m	Grid 5 M4 36.9 dBV/m	Grid 6 M4 35.86 dBV/m
Grid 7 M4 37.53 dBV/m	Grid 8 M4 38.31 dBV/m	Grid 9 M4 36.96 dBV/m



0 dB = 82.33 V/m = 38.31 dBV/m

HAC-RF Emission

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

Phantom section: RF Section

DASY5 Configuration:

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

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

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

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 31.56 V/m; Power Drift = -0.31 dB

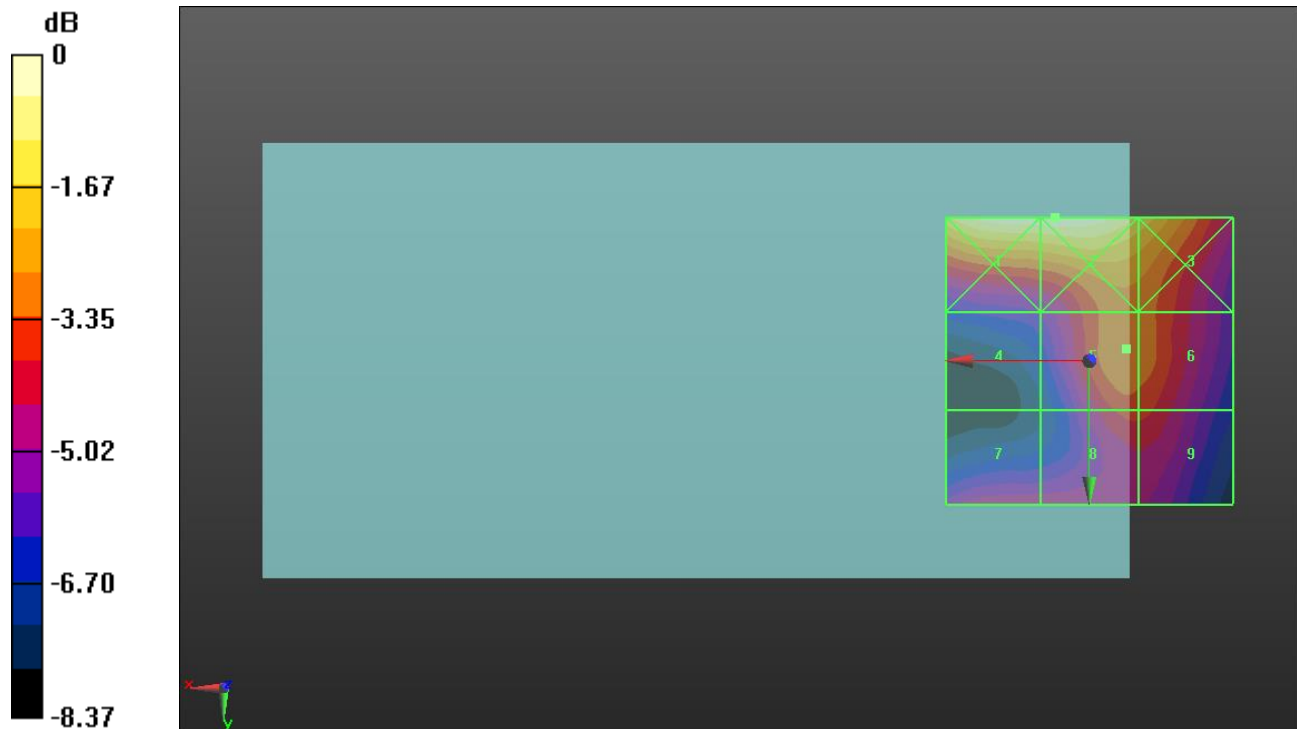
Applied MIF = 3.63 dB

RF audio interference level = 29.99 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M3 32.74 dBV/m	Grid 2 M3 32.78 dBV/m	Grid 3 M3 31.65 dBV/m
Grid 4 M4 27.38 dBV/m	Grid 5 M4 29.99 dBV/m	Grid 6 M4 29.88 dBV/m
Grid 7 M4 28.36 dBV/m	Grid 8 M4 29.13 dBV/m	Grid 9 M4 29.1 dBV/m



0 dB = 43.56 V/m = 32.78 dBV/m

HAC-RF Emission

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

Phantom section: RF Section

DASY5 Configuration:

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

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

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

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 36.06 V/m; Power Drift = -0.07 dB

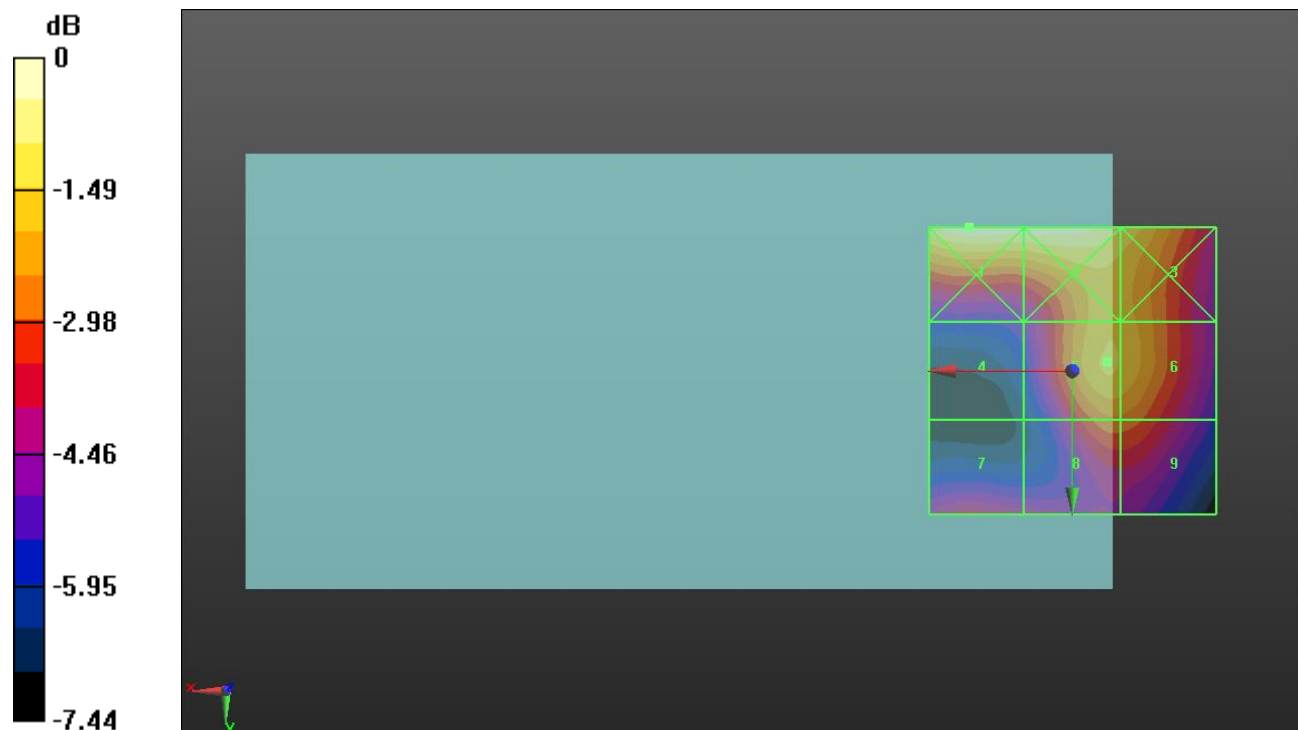
Applied MIF = 3.63 dB

RF audio interference level = 31.31 dBV/m

Emission category: M3

MIF scaled E-field

Grid 1 M3 32.7 dBV/m	Grid 2 M3 32.6 dBV/m	Grid 3 M3 31.81 dBV/m
Grid 4 M4 27.84 dBV/m	Grid 5 M3 31.31 dBV/m	Grid 6 M3 31.18 dBV/m
Grid 7 M4 28.98 dBV/m	Grid 8 M3 30.14 dBV/m	Grid 9 M3 30.09 dBV/m



0 dB = 43.13 V/m = 32.70 dBV/m

HAC-RF Emission

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

Phantom section: RF Section

DASY5 Configuration:

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

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

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

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 40.85 V/m; Power Drift = -0.17 dB

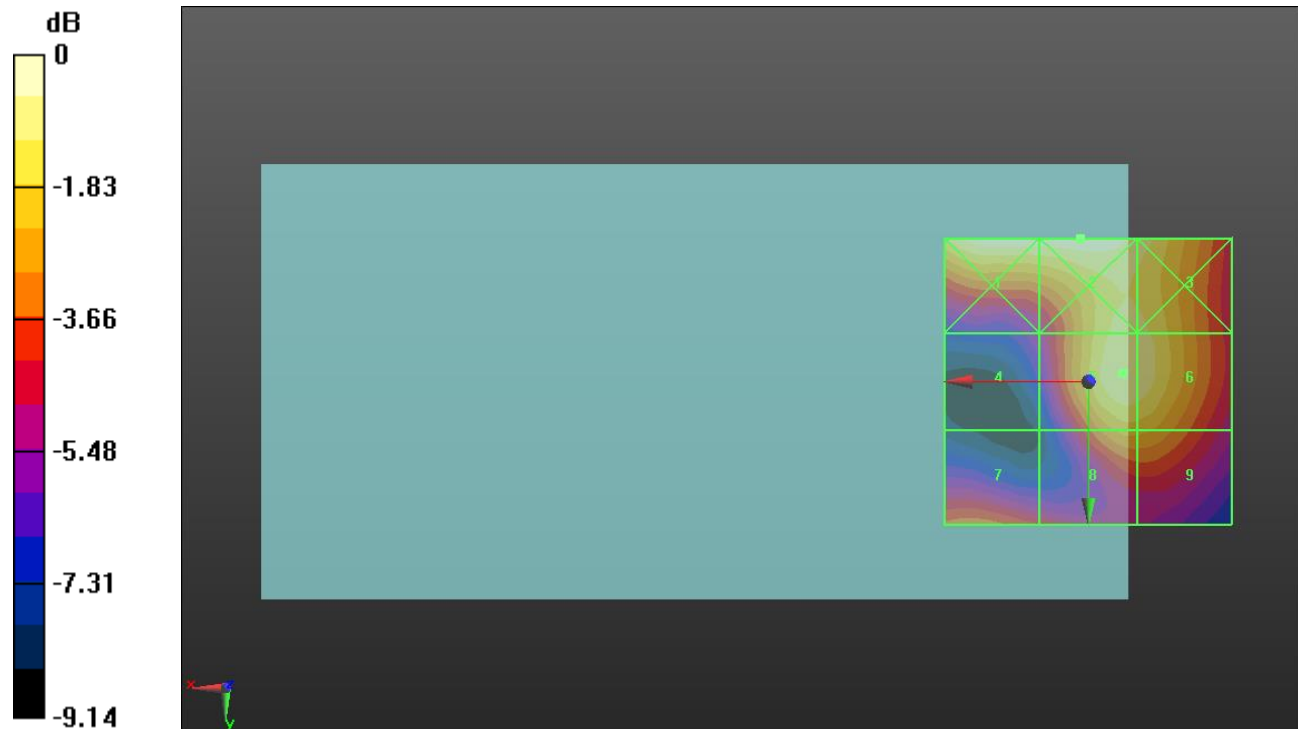
Applied MIF = 3.63 dB

RF audio interference level = 31.75 dBV/m

Emission category: M3

MIF scaled E-field

Grid 1 M3 32.31 dBV/m	Grid 2 M3 32.33 dBV/m	Grid 3 M3 31.6 dBV/m
Grid 4 M4 26.99 dBV/m	Grid 5 M3 31.75 dBV/m	Grid 6 M3 31.6 dBV/m
Grid 7 M4 29.1 dBV/m	Grid 8 M3 30.16 dBV/m	Grid 9 M3 30.1 dBV/m



0 dB = 41.36 V/m = 32.33 dBV/m

HAC-RF Emission

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

Phantom section: RF Section

DASY5 Configuration:

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

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

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

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 36.08 V/m; Power Drift = -0.05 dB

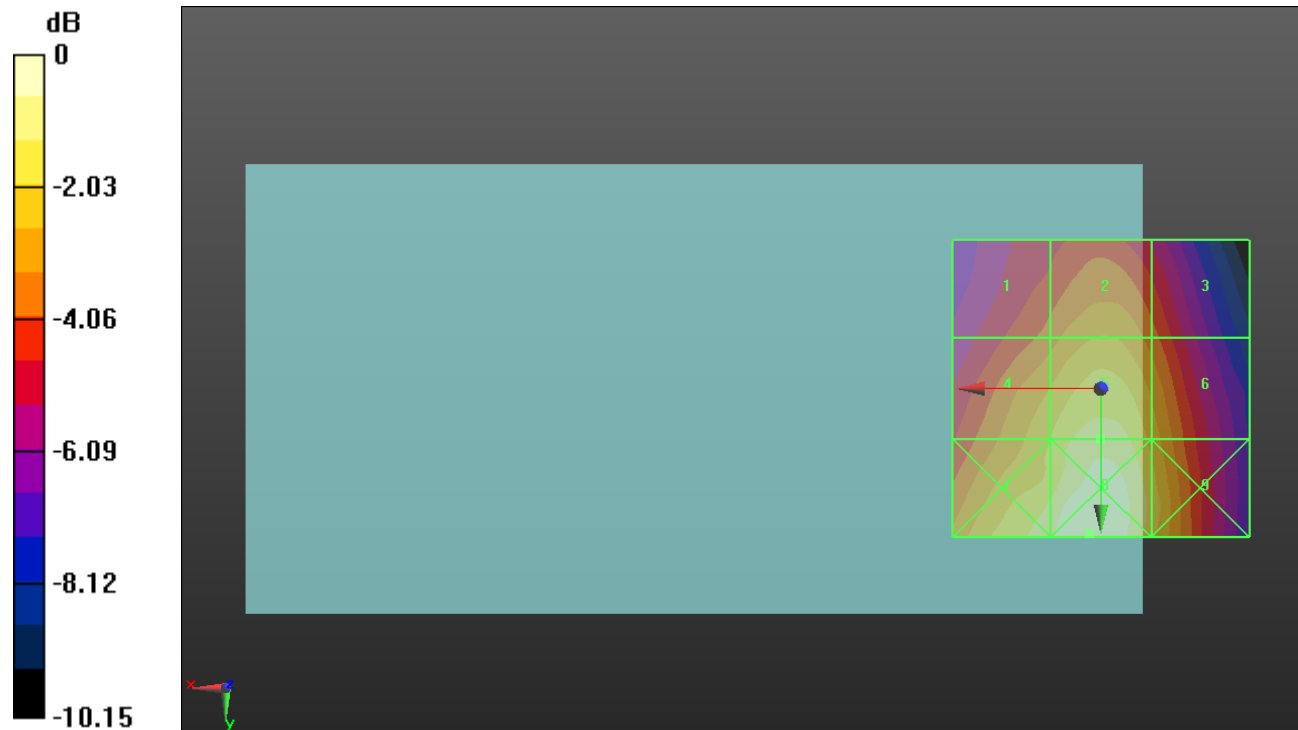
Applied MIF = 3.26 dB

RF audio interference level = 31.46 dBV/m

Emission category: **M4**

MIF scaled E-field

Grid 1 M4 28.74 dBV/m	Grid 2 M4 29.75 dBV/m	Grid 3 M4 28.71 dBV/m
Grid 4 M4 30.38 dBV/m	Grid 5 M4 31.46 dBV/m	Grid 6 M4 30.17 dBV/m
Grid 7 M4 31.58 dBV/m	Grid 8 M4 32.4 dBV/m	Grid 9 M4 30.85 dBV/m



0 dB = 41.67 V/m = 32.40 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 Sn1540; Calibrated: 2/18/2019
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7450)

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

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

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 33.06 V/m; Power Drift = -0.11 dB

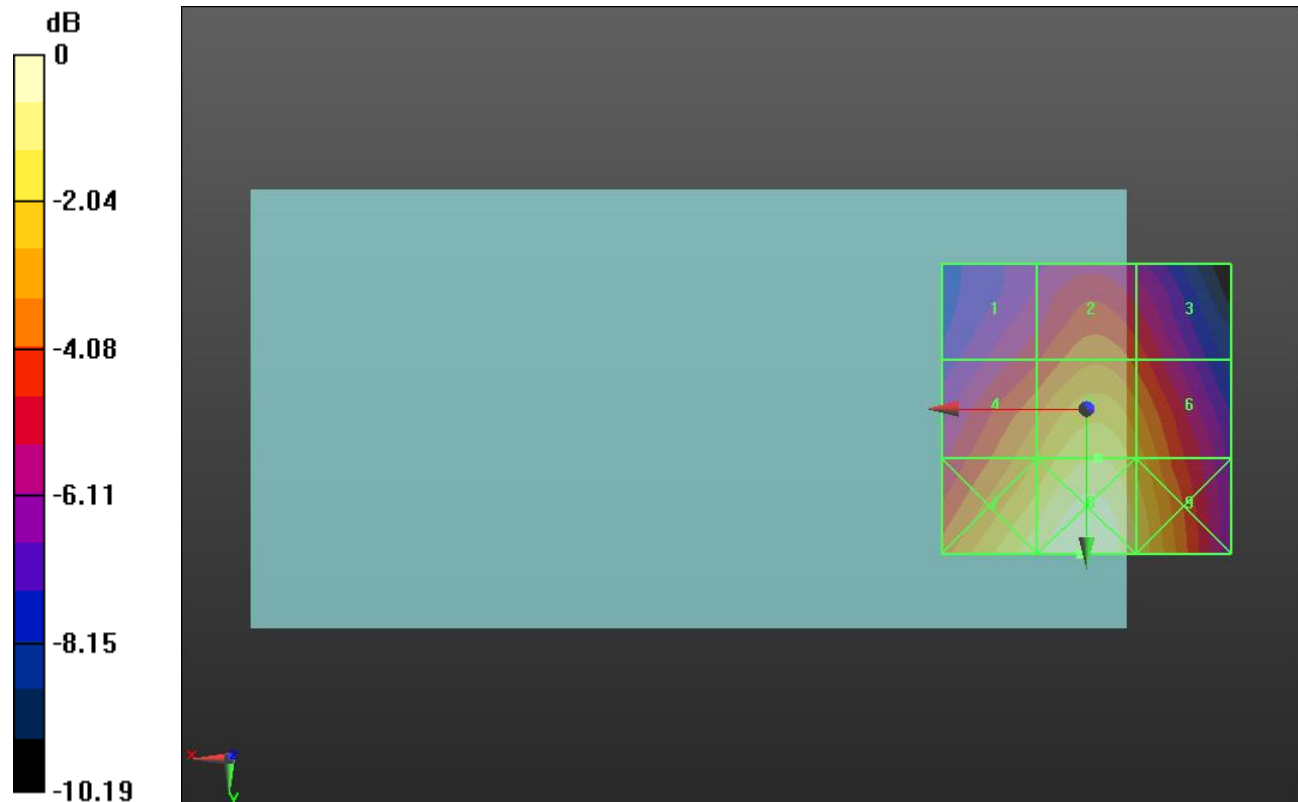
Applied MIF = 3.26 dB

RF audio interference level = 30.79 dBV/m

Emission category: **M4**

MIF scaled E-field

Grid 1 M4 27.33 dBV/m	Grid 2 M4 28.65 dBV/m	Grid 3 M4 27.89 dBV/m
Grid 4 M4 29.5 dBV/m	Grid 5 M4 30.79 dBV/m	Grid 6 M4 29.86 dBV/m
Grid 7 M4 31.35 dBV/m	Grid 8 M4 32.14 dBV/m	Grid 9 M4 30.78 dBV/m



0 dB = 40.44 V/m = 32.14 dBV/m

HAC-RF Emission

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

Phantom section: RF Section

DASY5 Configuration:

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

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

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

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 32.59 V/m; Power Drift = 0.05 dB

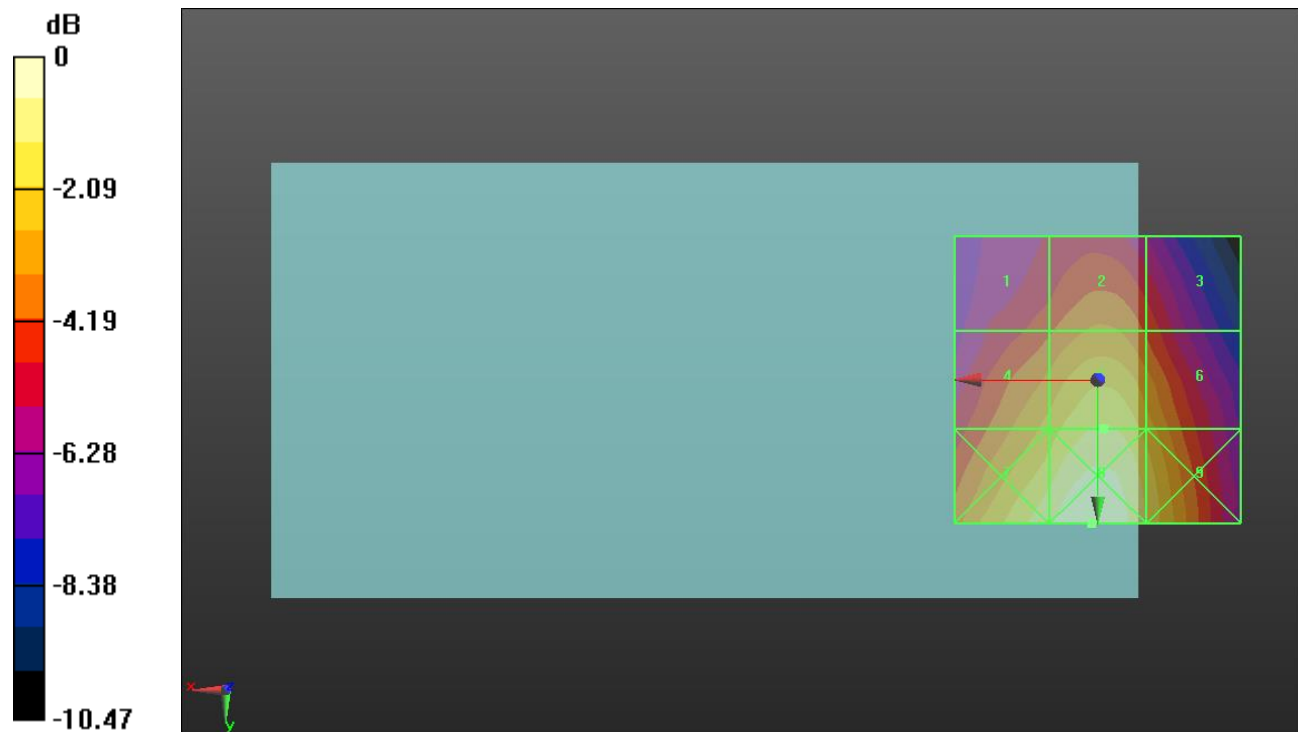
Applied MIF = 3.26 dB

RF audio interference level = 30.78 dBV/m

Emission category: **M4**

MIF scaled E-field

Grid 1 M4 27.82 dBV/m	Grid 2 M4 28.77 dBV/m	Grid 3 M4 27.82 dBV/m
Grid 4 M4 29.63 dBV/m	Grid 5 M4 30.78 dBV/m	Grid 6 M4 29.73 dBV/m
Grid 7 M4 31.3 dBV/m	Grid 8 M4 32.1 dBV/m	Grid 9 M4 30.65 dBV/m



0 dB = 40.29 V/m = 32.10 dBV/m

HAC-RF Emission

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

Phantom section: RF Section

DASY5 Configuration:

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

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

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

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 17.72 V/m; Power Drift = -0.02 dB

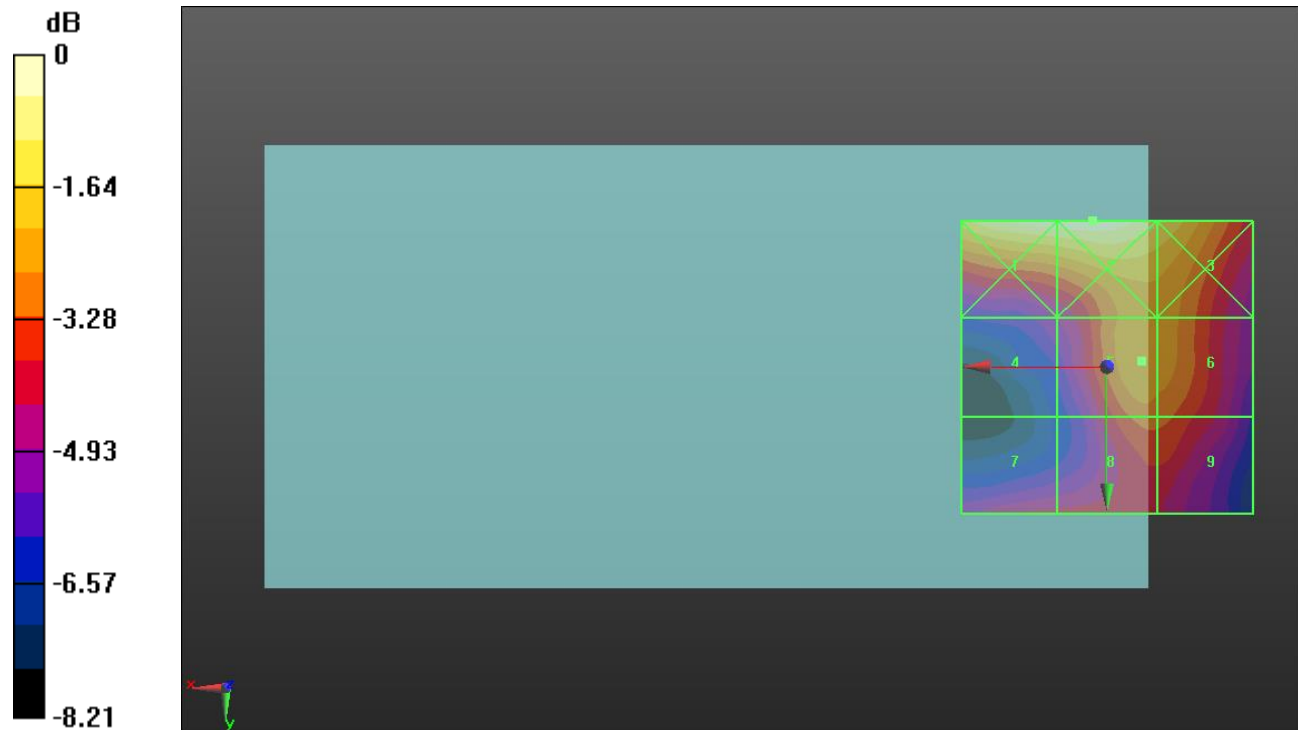
Applied MIF = 3.26 dB

RF audio interference level = 25.27 dBV/m

Emission category: **M4**

MIF scaled E-field

Grid 1 M4 27.4 dBV/m	Grid 2 M4 27.44 dBV/m	Grid 3 M4 26.56 dBV/m
Grid 4 M4 22.59 dBV/m	Grid 5 M4 25.27 dBV/m	Grid 6 M4 25.12 dBV/m
Grid 7 M4 23.3 dBV/m	Grid 8 M4 24.42 dBV/m	Grid 9 M4 24.38 dBV/m



0 dB = 23.55 V/m = 27.44 dBV/m

HAC-RF Emission

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

Phantom section: RF Section

DASY5 Configuration:

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

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

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

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 20.07 V/m; Power Drift = 0.04 dB

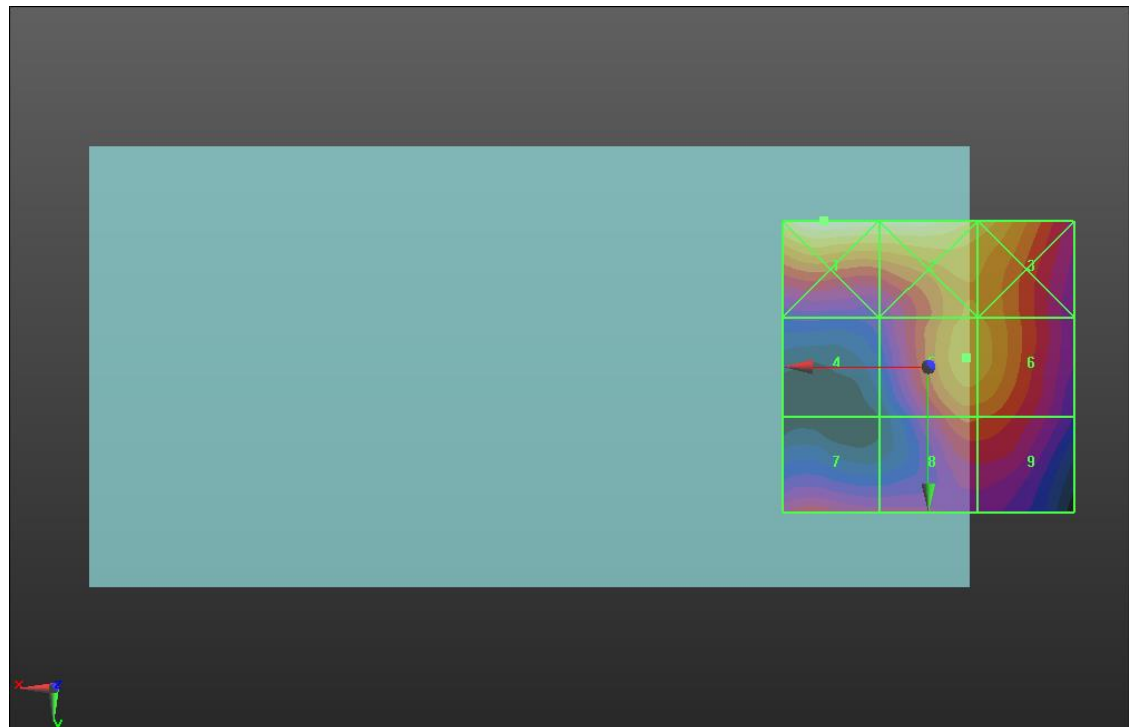
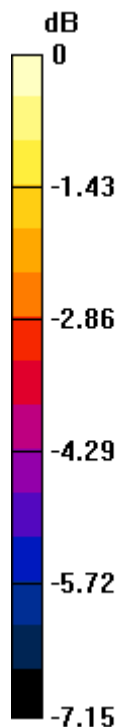
Applied MIF = 3.26 dB

RF audio interference level = 25.98 dBV/m

Emission category: **M4**

MIF scaled E-field

Grid 1 M4 27.56 dBV/m	Grid 2 M4 27.34 dBV/m	Grid 3 M4 26.54 dBV/m
Grid 4 M4 22.78 dBV/m	Grid 5 M4 25.98 dBV/m	Grid 6 M4 25.91 dBV/m
Grid 7 M4 24.19 dBV/m	Grid 8 M4 24.88 dBV/m	Grid 9 M4 24.81 dBV/m



0 dB = 23.87 V/m = 27.56 dBV/m

HAC-RF Emission

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

Phantom section: RF Section

DASY5 Configuration:

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

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

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

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 22.48 V/m; Power Drift = -0.12 dB

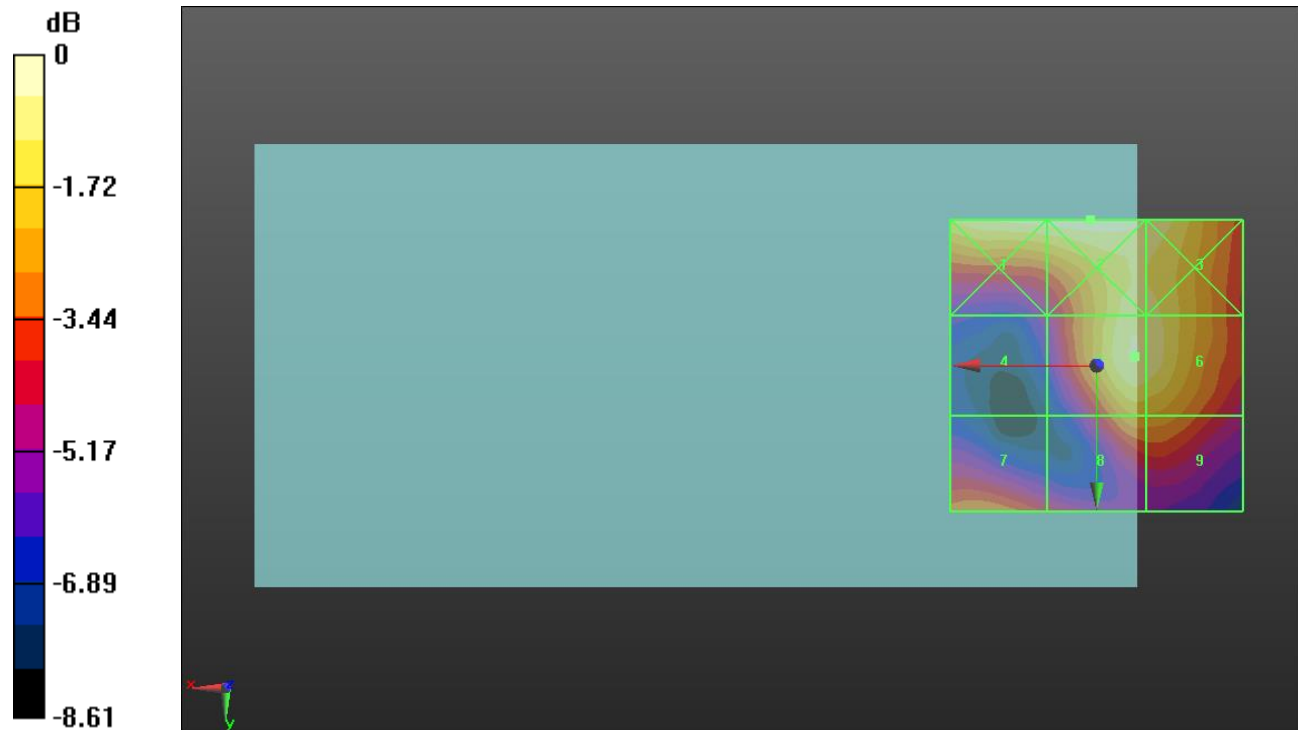
Applied MIF = 3.26 dB

RF audio interference level = 26.69 dBV/m

Emission category: **M4**

MIF scaled E-field

Grid 1 M4 27.06 dBV/m	Grid 2 M4 27.21 dBV/m	Grid 3 M4 26.73 dBV/m
Grid 4 M4 22.06 dBV/m	Grid 5 M4 26.69 dBV/m	Grid 6 M4 26.52 dBV/m
Grid 7 M4 24.45 dBV/m	Grid 8 M4 24.95 dBV/m	Grid 9 M4 24.88 dBV/m



0 dB = 22.94 V/m = 27.21 dBV/m

HAC-RF Emission

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

Phantom section: RF Section

DASY5 Configuration:

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

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

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

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 35.53 V/m; Power Drift = -0.01 dB

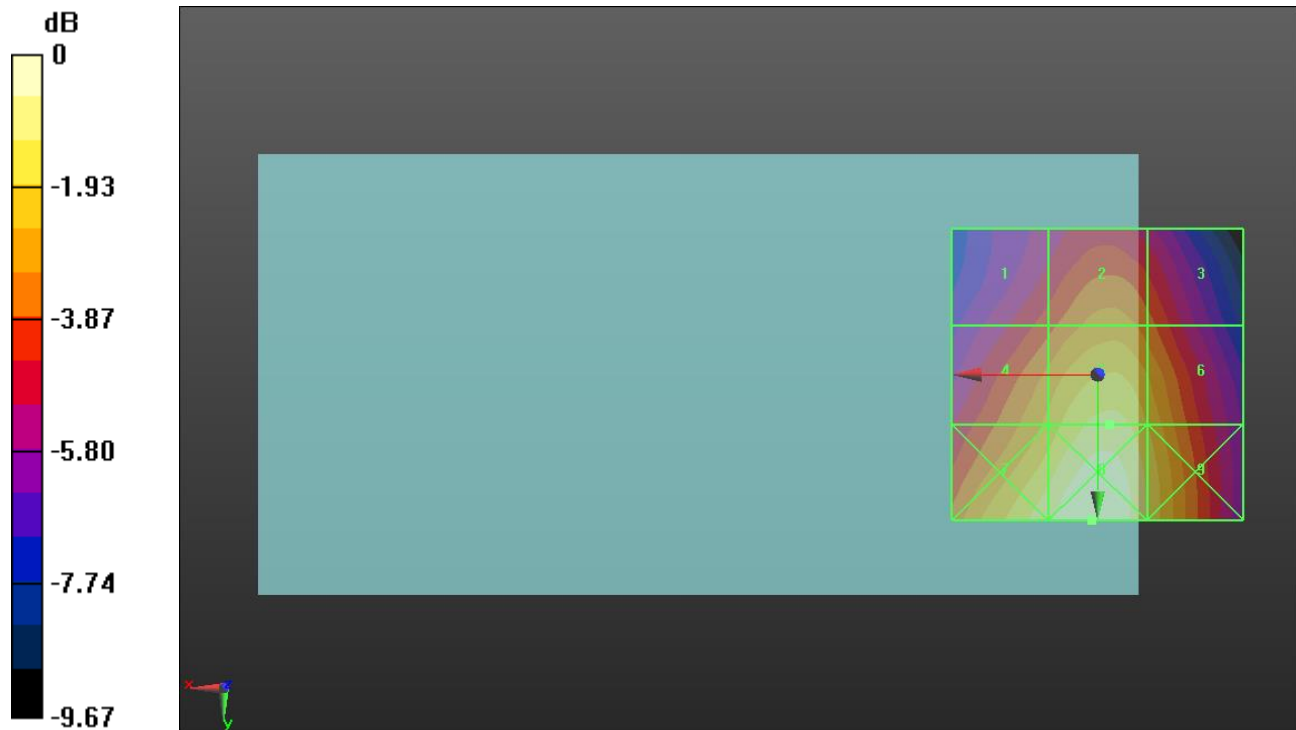
Applied MIF = 3.26 dB

RF audio interference level = 31.39 dBV/m

Emission category: **M4**

MIF scaled E-field

Grid 1 M4 28.34 dBV/m	Grid 2 M4 29.56 dBV/m	Grid 3 M4 28.89 dBV/m
Grid 4 M4 30.07 dBV/m	Grid 5 M4 31.39 dBV/m	Grid 6 M4 30.51 dBV/m
Grid 7 M4 31.67 dBV/m	Grid 8 M4 32.44 dBV/m	Grid 9 M4 31.13 dBV/m



0 dB = 41.86 V/m = 32.44 dBV/m

HAC-RF Emission

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

Phantom section: RF Section

DASY5 Configuration:

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

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

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

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 35.49 V/m; Power Drift = 0.06 dB

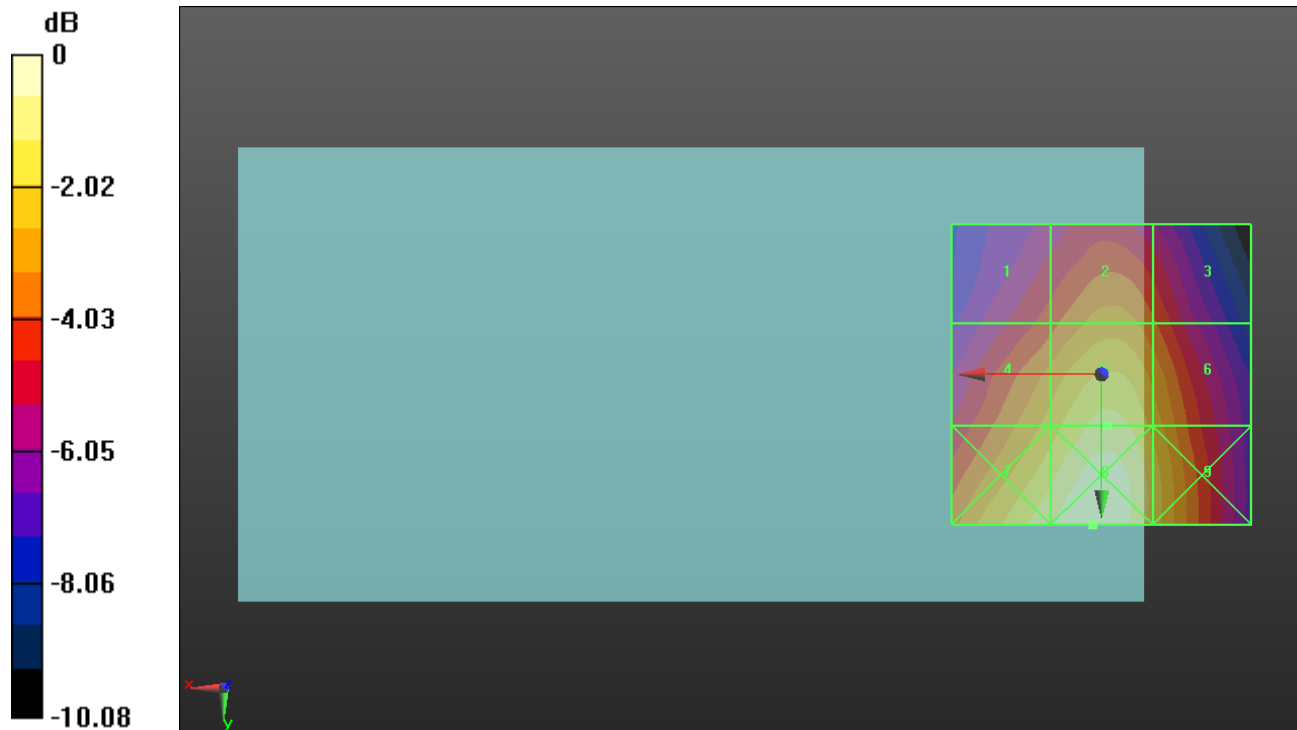
Applied MIF = 3.26 dB

RF audio interference level = 31.42 dBV/m

Emission category: **M4**

MIF scaled E-field

Grid 1 M4 28.27 dBV/m	Grid 2 M4 29.52 dBV/m	Grid 3 M4 28.66 dBV/m
Grid 4 M4 30.15 dBV/m	Grid 5 M4 31.42 dBV/m	Grid 6 M4 30.3 dBV/m
Grid 7 M4 31.75 dBV/m	Grid 8 M4 32.51 dBV/m	Grid 9 M4 30.97 dBV/m



0 dB = 42.22 V/m = 32.51 dBV/m

HAC-RF Emission

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

Phantom section: RF Section

DASY5 Configuration:

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

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

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

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 35.78 V/m; Power Drift = -0.02 dB

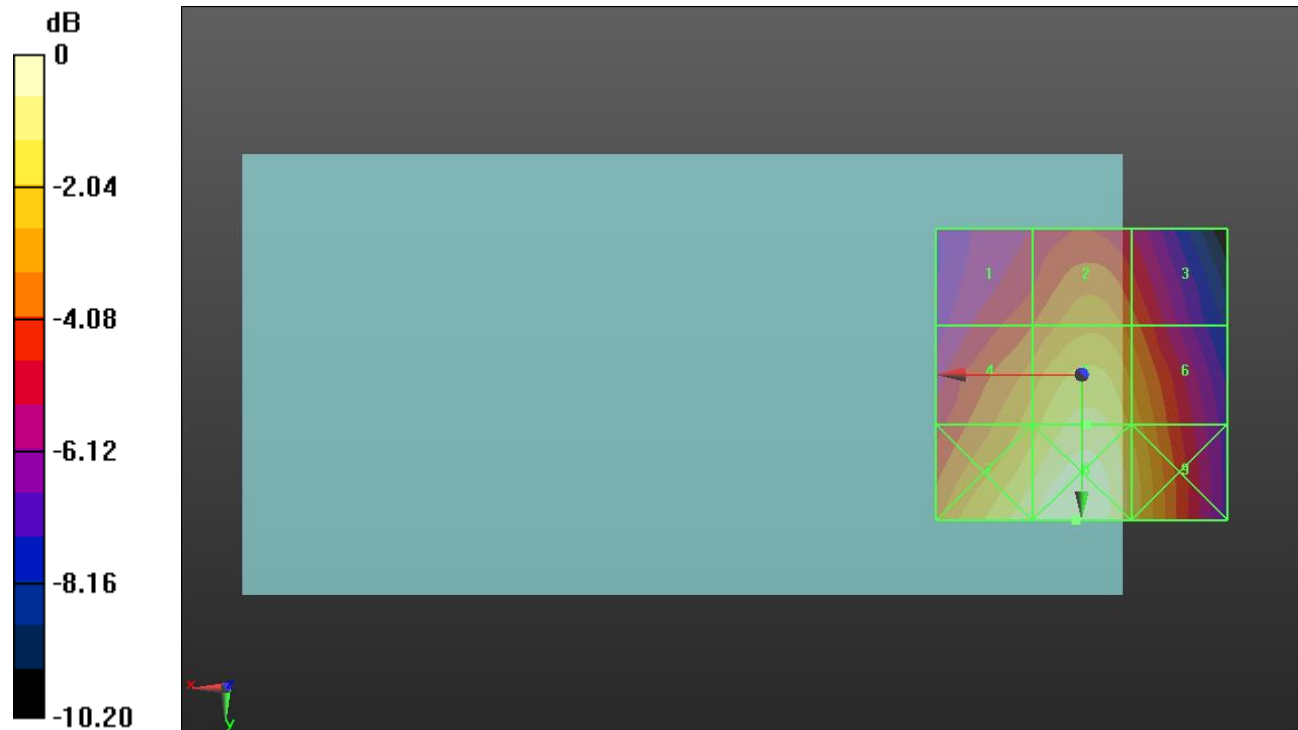
Applied MIF = 3.26 dB

RF audio interference level = 31.42 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 28.42 dBV/m	Grid 2 M4 29.63 dBV/m	Grid 3 M4 28.79 dBV/m
Grid 4 M4 30.17 dBV/m	Grid 5 M4 31.42 dBV/m	Grid 6 M4 30.35 dBV/m
Grid 7 M4 31.75 dBV/m	Grid 8 M4 32.5 dBV/m	Grid 9 M4 30.95 dBV/m



0 dB = 42.15 V/m = 32.50 dBV/m

HAC-RF Emission

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

Phantom section: RF Section

DASY5 Configuration:

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

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

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

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 9.801 V/m; Power Drift = -0.07 dB

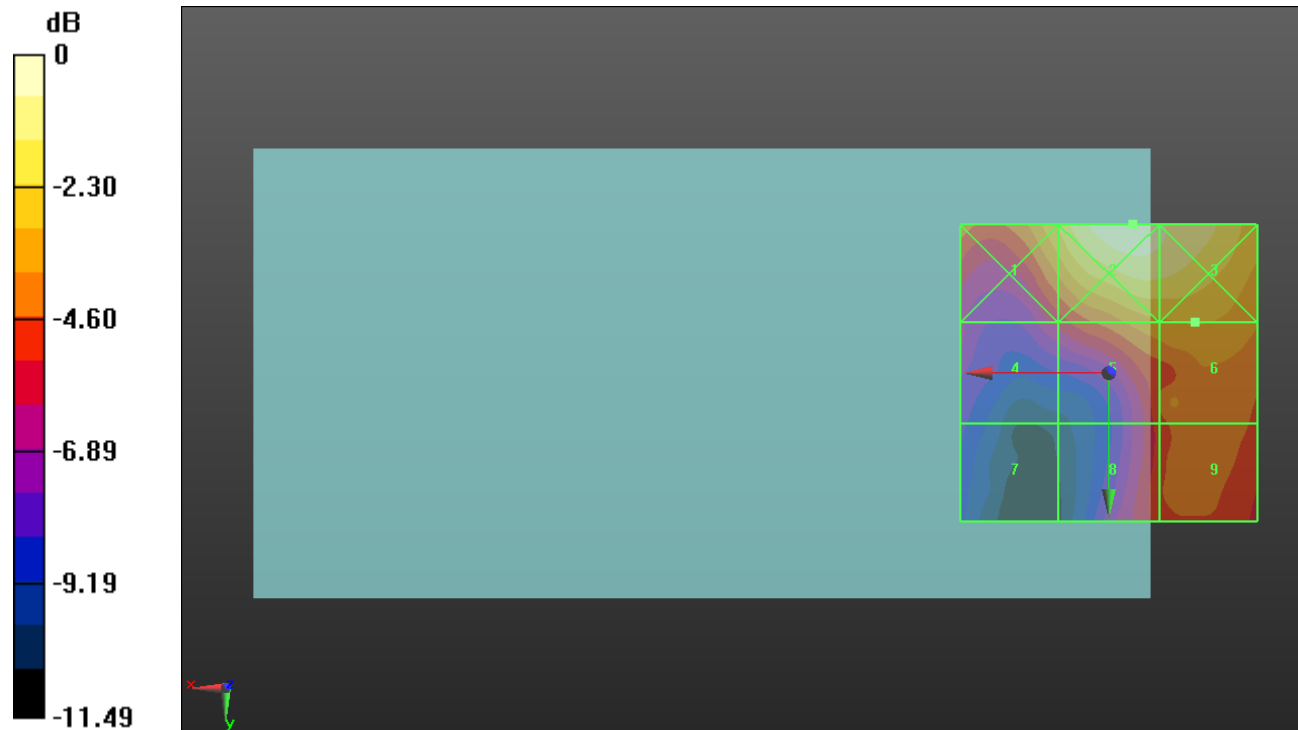
Applied MIF = -1.44 dB

RF audio interference level = 21.89 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 22.71 dBV/m	Grid 2 M4 24.88 dBV/m	Grid 3 M4 24.29 dBV/m
Grid 4 M4 19.07 dBV/m	Grid 5 M4 21.68 dBV/m	Grid 6 M4 21.89 dBV/m
Grid 7 M4 16.72 dBV/m	Grid 8 M4 20.13 dBV/m	Grid 9 M4 20.67 dBV/m



0 dB = 17.55 V/m = 24.89 dBV/m

HAC-RF Emission

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

Phantom section: RF Section

DASY5 Configuration:

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

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

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

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 10.33 V/m; Power Drift = -0.19 dB

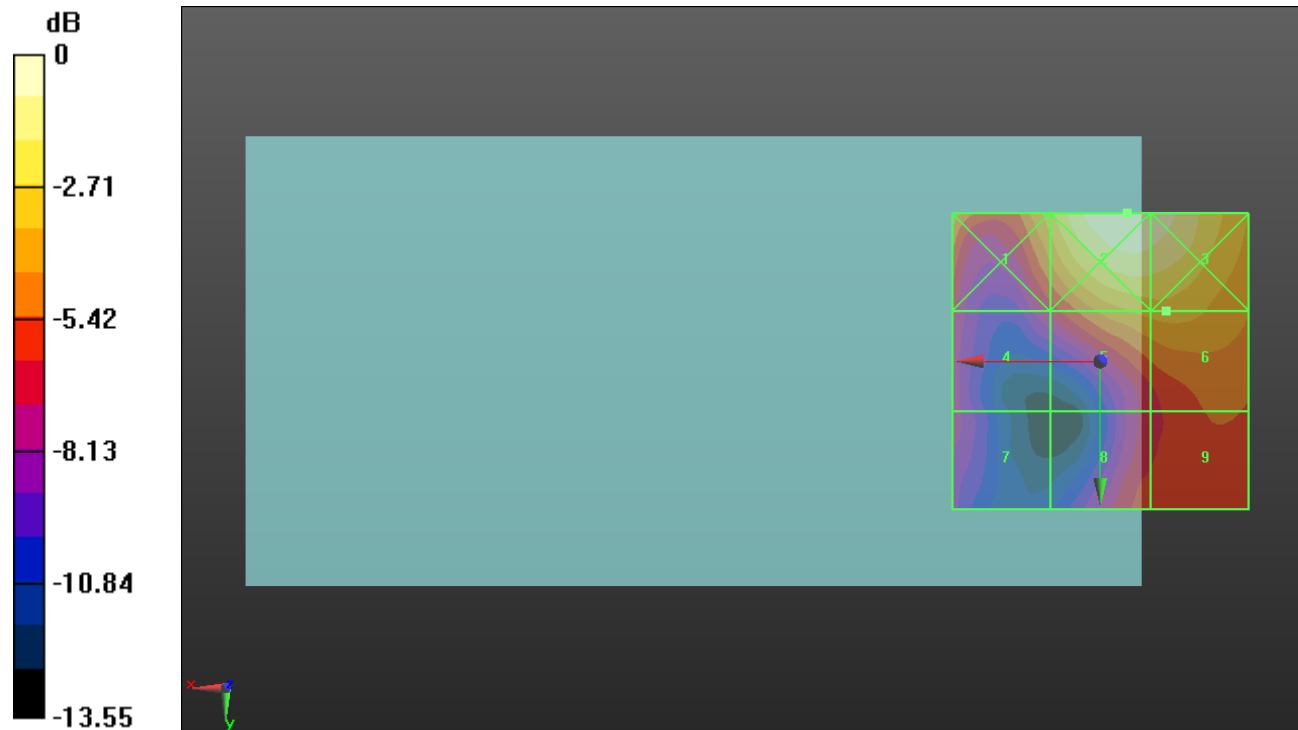
Applied MIF = -1.44 dB

RF audio interference level = 21.45 dBV/m

Emission category: **M4**

MIF scaled E-field

Grid 1 M4 21.55 dBV/m	Grid 2 M4 24.6 dBV/m	Grid 3 M4 24.34 dBV/m
Grid 4 M4 17.92 dBV/m	Grid 5 M4 21.36 dBV/m	Grid 6 M4 21.45 dBV/m
Grid 7 M4 17.09 dBV/m	Grid 8 M4 18.71 dBV/m	Grid 9 M4 19.3 dBV/m



0 dB = 16.97 V/m = 24.59 dBV/m

HAC-RF Emission

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

Phantom section: RF Section

DASY5 Configuration:

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

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

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 10.95 V/m; Power Drift = -0.38 dB

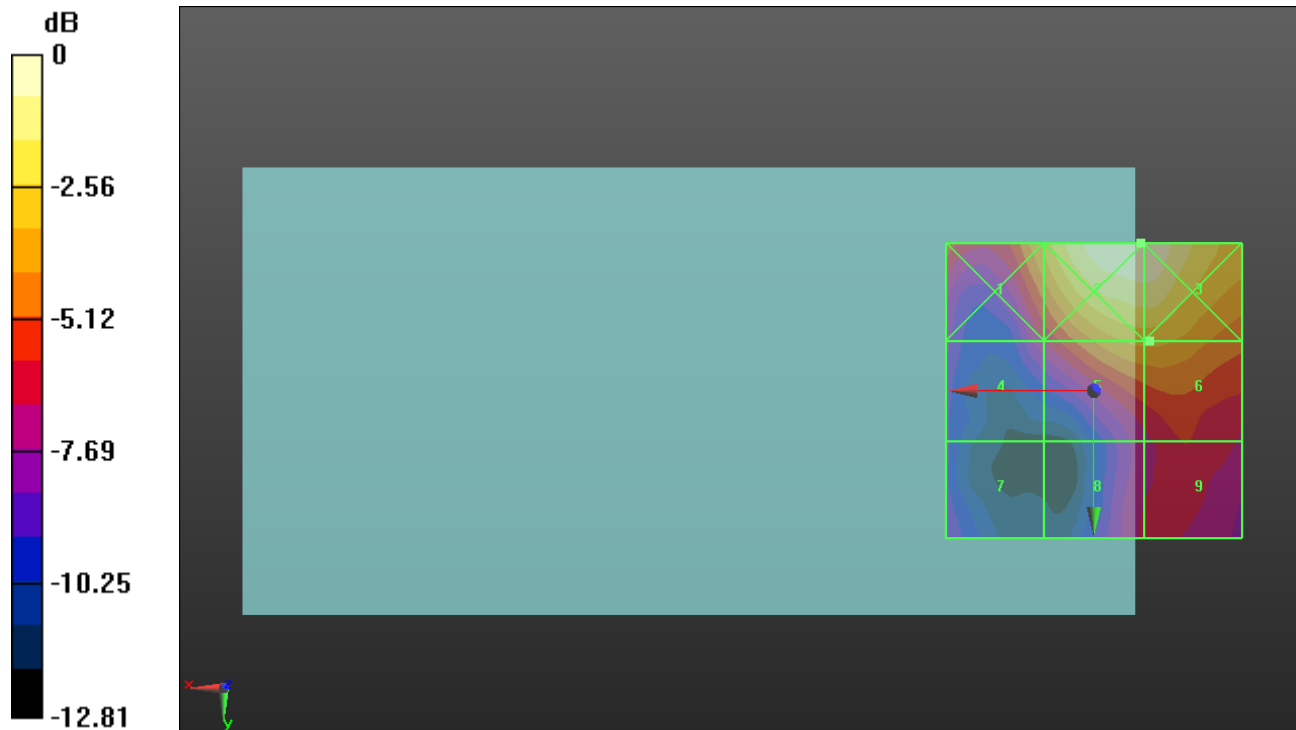
Applied MIF = -1.44 dB

RF audio interference level = 21.53 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 21.54 dBV/m	Grid 2 M4 24.65 dBV/m	Grid 3 M4 24.64 dBV/m
Grid 4 M4 17.81 dBV/m	Grid 5 M4 21.52 dBV/m	Grid 6 M4 21.53 dBV/m
Grid 7 M4 16.26 dBV/m	Grid 8 M4 18.01 dBV/m	Grid 9 M4 18.72 dBV/m



0 dB = 17.08 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: 2636.5 MHz; Duty Cycle: 1:8.87156

Phantom section: RF Section

DASY5 Configuration:

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

LTE Band 41 E-Field measurement/LTE TDD_16QAM_RB 1/49_ch 41055/Hearing Aid Compatibility Test (101x101x1):

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

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 8.570 V/m; Power Drift = 0.42 dB

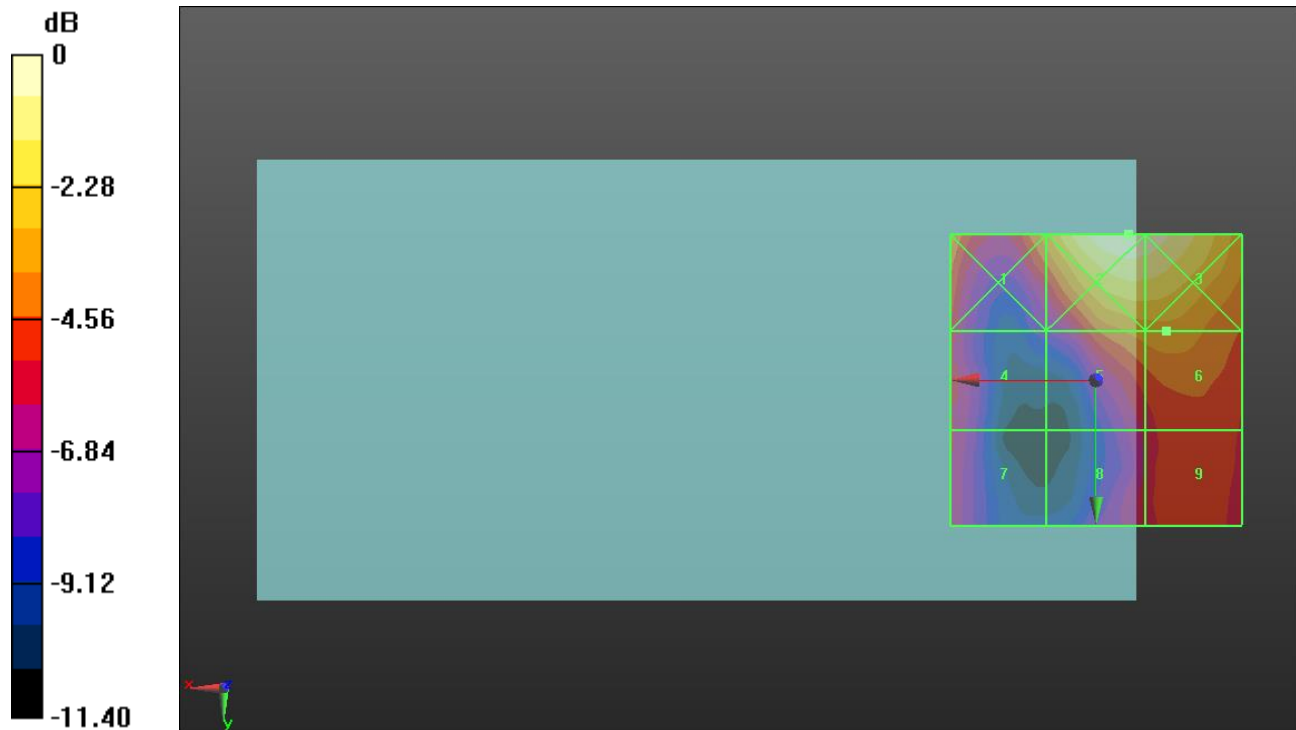
Applied MIF = -1.44 dB

RF audio interference level = 19.91 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 20.04 dBV/m	Grid 2 M4 23.18 dBV/m	Grid 3 M4 22.95 dBV/m
Grid 4 M4 17.74 dBV/m	Grid 5 M4 19.79 dBV/m	Grid 6 M4 19.91 dBV/m
Grid 7 M4 17.26 dBV/m	Grid 8 M4 17.53 dBV/m	Grid 9 M4 18.61 dBV/m



0 dB = 14.42 V/m = 23.18 dBV/m

HAC-RF Emission

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

Phantom section: RF Section

DASY5 Configuration:

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

LTE Band 41 E-Field measurement/LTE TDD_16QAM_RB 1/49_ch 41490/Hearing Aid Compatibility Test (101x101x1): Interpolated grid: dx=0.5000 mm, dy=0.5000 mm

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 7.805 V/m; Power Drift = 0.23 dB

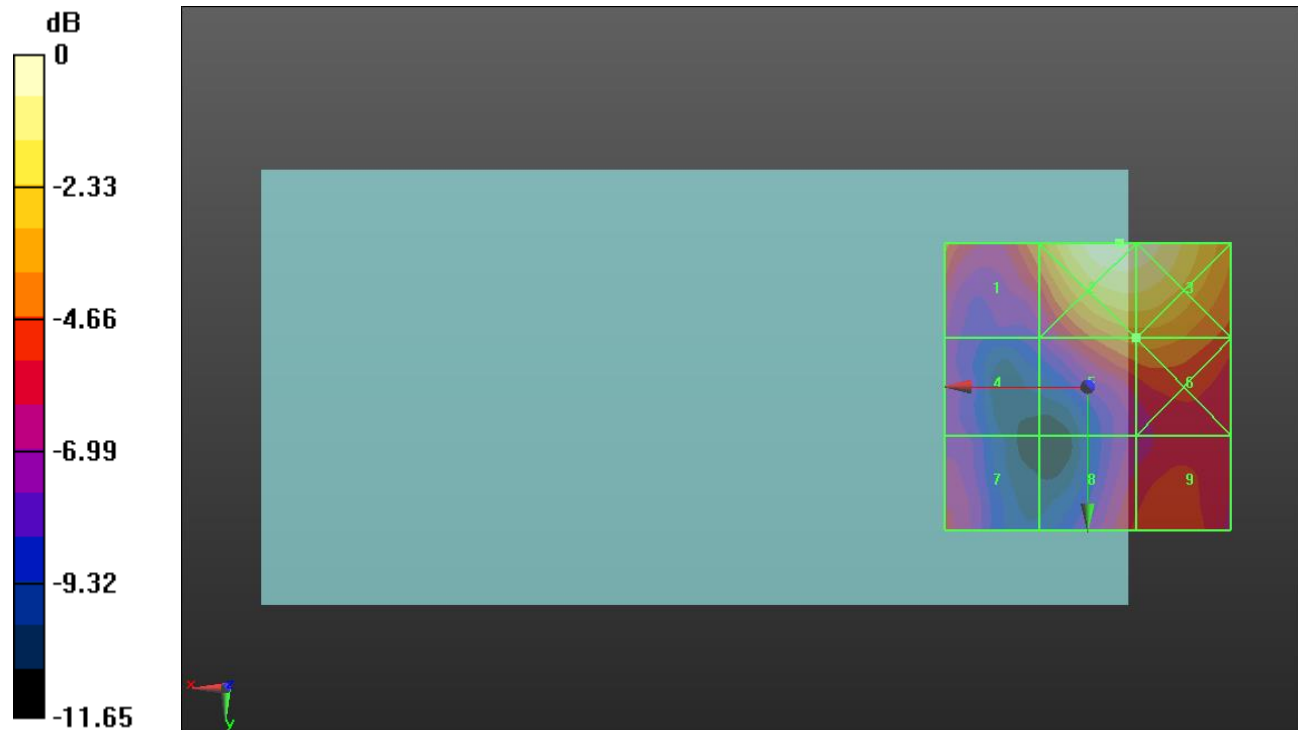
Applied MIF = -1.44 dB

RF audio interference level = 20.04 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 19.86 dBV/m	Grid 2 M4 23.58 dBV/m	Grid 3 M4 23.42 dBV/m
Grid 4 M4 16.6 dBV/m	Grid 5 M4 20.04 dBV/m	Grid 6 M4 20.1 dBV/m
Grid 7 M4 17.79 dBV/m	Grid 8 M4 18.38 dBV/m	Grid 9 M4 18.73 dBV/m



0 dB = 15.10 V/m = 23.58 dBV/m

HAC-RF Emission

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

Phantom section: RF Section

DASY5 Configuration:

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

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

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

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 19.10 V/m; Power Drift = 0.11 dB

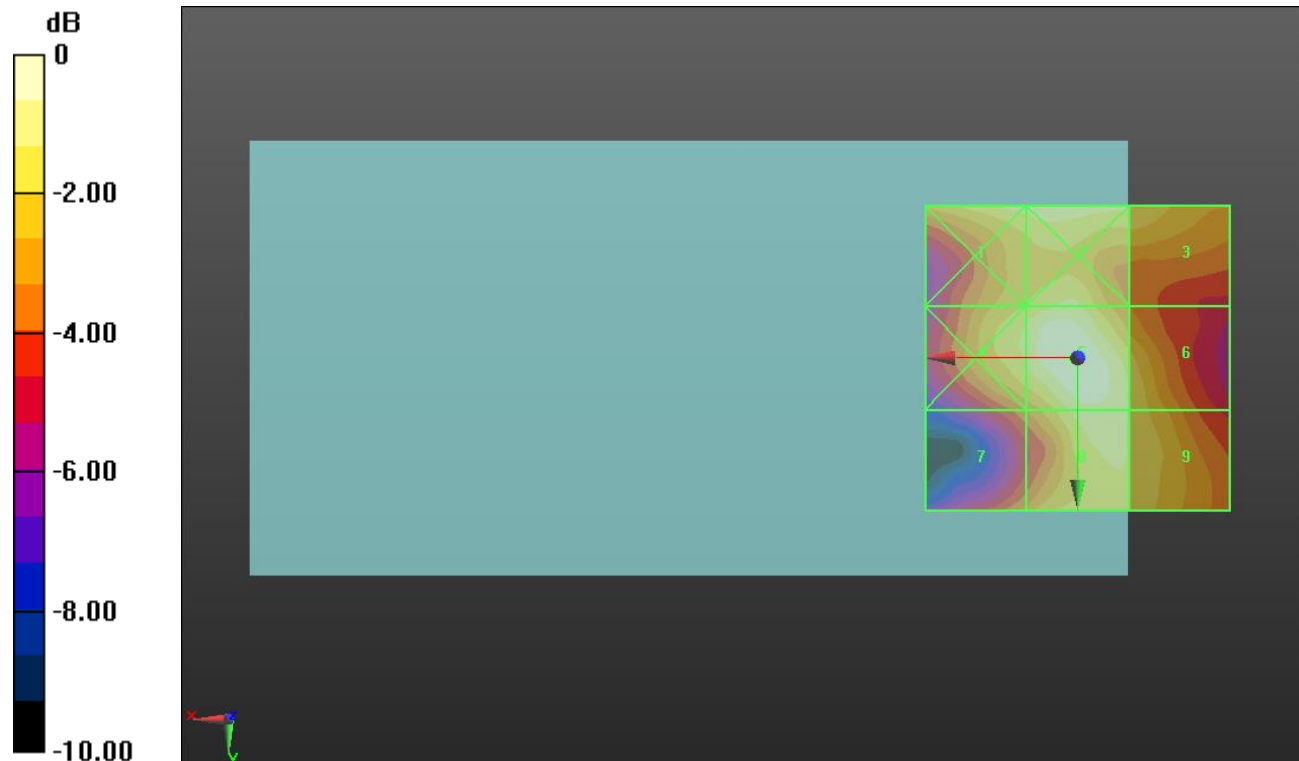
Applied MIF = -1.44 dB

RF audio interference level = 19.80 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 18.87 dBV/m	Grid 2 M4 19.08 dBV/m	Grid 3 M4 18.59 dBV/m
Grid 4 M4 18.7 dBV/m	Grid 5 M4 19.8 dBV/m	Grid 6 M4 18.46 dBV/m
Grid 7 M4 16.76 dBV/m	Grid 8 M4 19 dBV/m	Grid 9 M4 18.43 dBV/m



0 dB = 9.771 V/m = 19.80 dBV/m

HAC-RF Emission

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

Phantom section: RF Section

DASY5 Configuration:

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

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

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

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 22.51 V/m; Power Drift = -0.05 dB

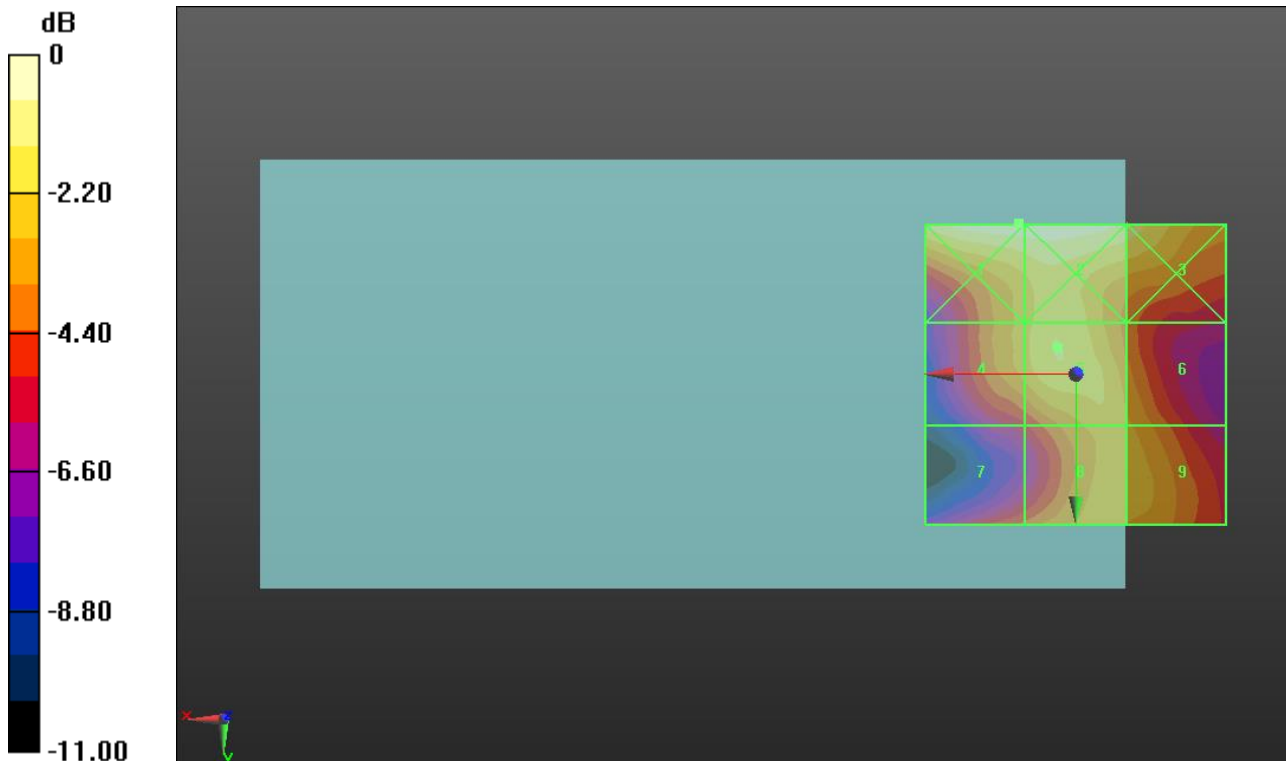
Applied MIF = -1.44 dB

RF audio interference level = 20.64 dBV/m

Emission category: **M4**

MIF scaled E-field

Grid 1 M4 22.07 dBV/m	Grid 2 M4 22.07 dBV/m	Grid 3 M4 21.14 dBV/m
Grid 4 M4 19.67 dBV/m	Grid 5 M4 20.64 dBV/m	Grid 6 M4 19.27 dBV/m
Grid 7 M4 17.99 dBV/m	Grid 8 M4 19.72 dBV/m	Grid 9 M4 19.72 dBV/m



0 dB = 12.70 V/m = 22.08 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 = 20.59 V/m; Power Drift = -0.06 dB

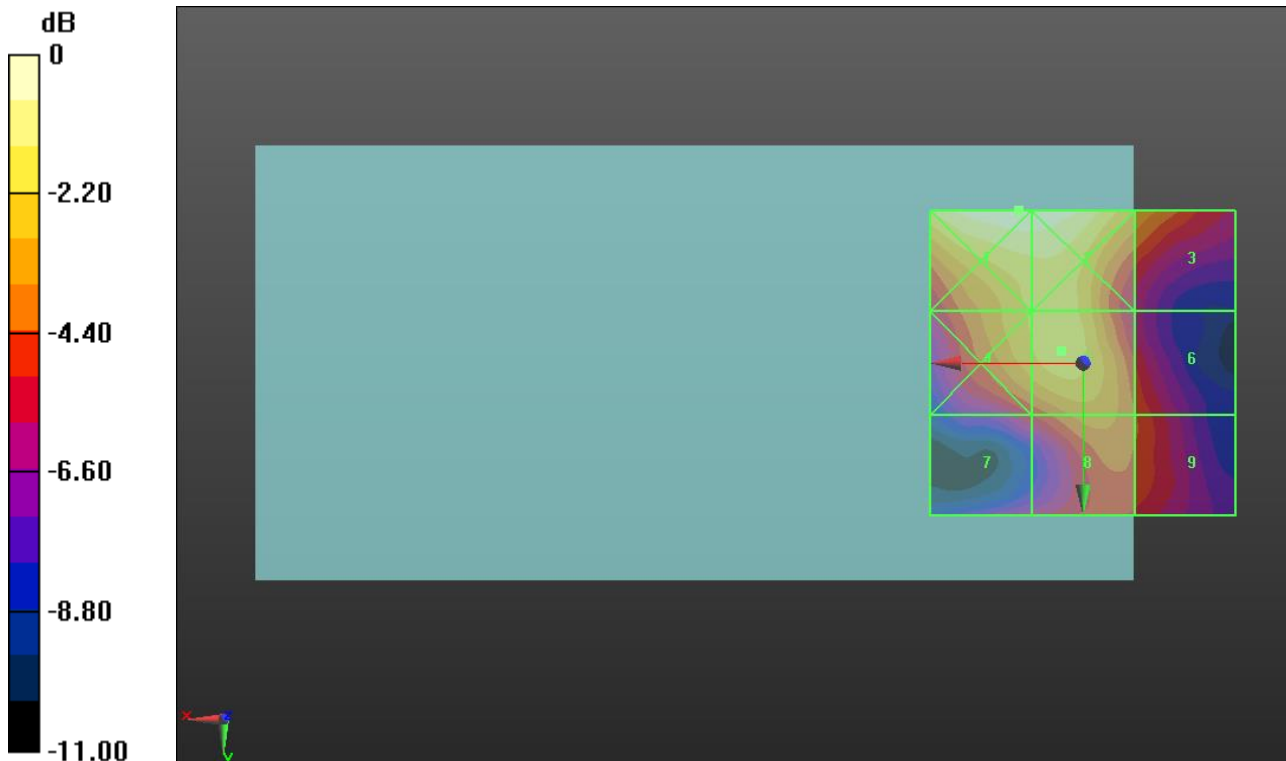
Applied MIF = -1.44 dB

RF audio interference level = 20.56 dBV/m

Emission category: **M4**

MIF scaled E-field

Grid 1 M4 22.28 dBV/m	Grid 2 M4 22.23 dBV/m	Grid 3 M4 19.4 dBV/m
Grid 4 M4 20.17 dBV/m	Grid 5 M4 20.56 dBV/m	Grid 6 M4 17.95 dBV/m
Grid 7 M4 17.15 dBV/m	Grid 8 M4 19 dBV/m	Grid 9 M4 18.01 dBV/m



0 dB = 13.00 V/m = 22.28 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 = 12.79 V/m; Power Drift = 0.04 dB

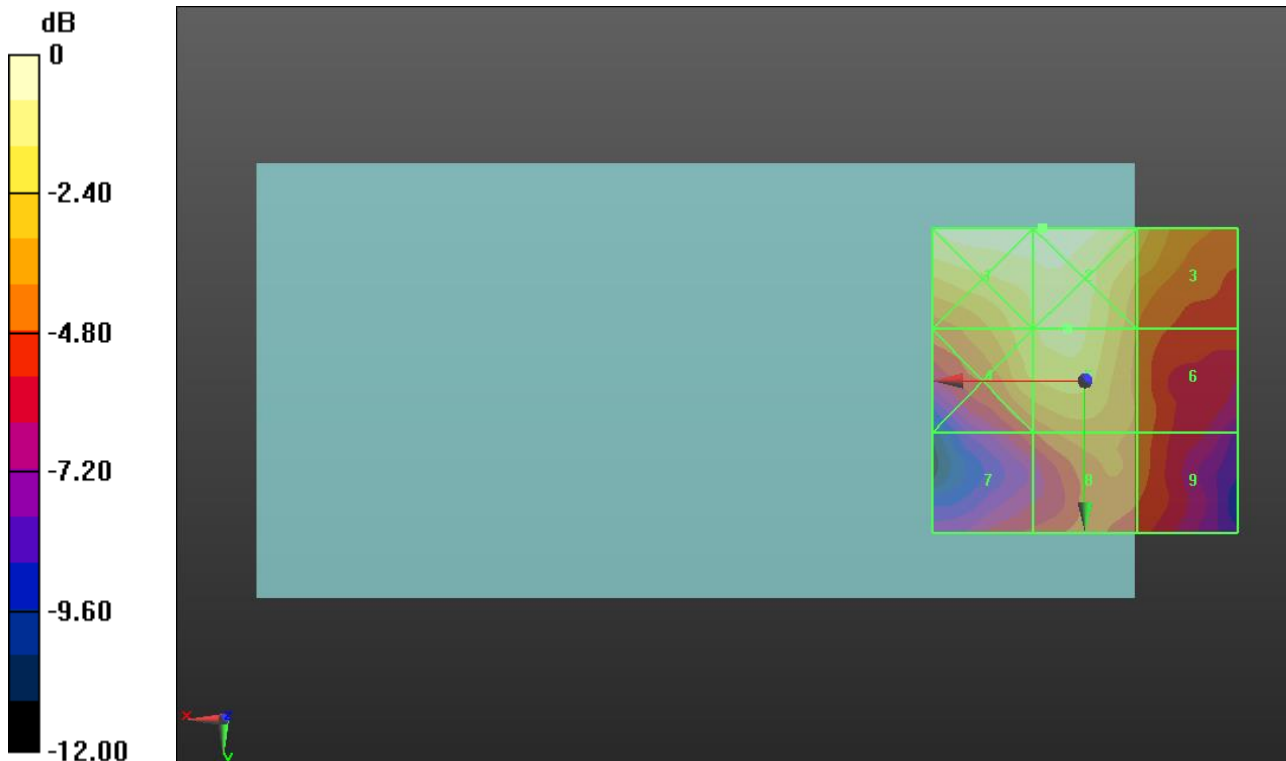
Applied MIF = -1.44 dB

RF audio interference level = 18.25 dBV/m

Emission category: **M4**

MIF scaled E-field

Grid 1 M4 19.51 dBV/m	Grid 2 M4 19.54 dBV/m	Grid 3 M4 17.6 dBV/m
Grid 4 M4 17.83 dBV/m	Grid 5 M4 18.25 dBV/m	Grid 6 M4 15.59 dBV/m
Grid 7 M4 14.67 dBV/m	Grid 8 M4 16.02 dBV/m	Grid 9 M4 15.3 dBV/m



0 dB = 9.479 V/m = 19.54 dBV/m

HAC-RF Emission

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

Phantom section: RF Section

DASY5 Configuration:

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

802.11b E-Field measurement/IEEE 802.11b_DSSS 11 Mbps_ch 2/Hearing Aid Compatibility Test (101x101x1):

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

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 66.92 V/m; Power Drift = 0.74 dB

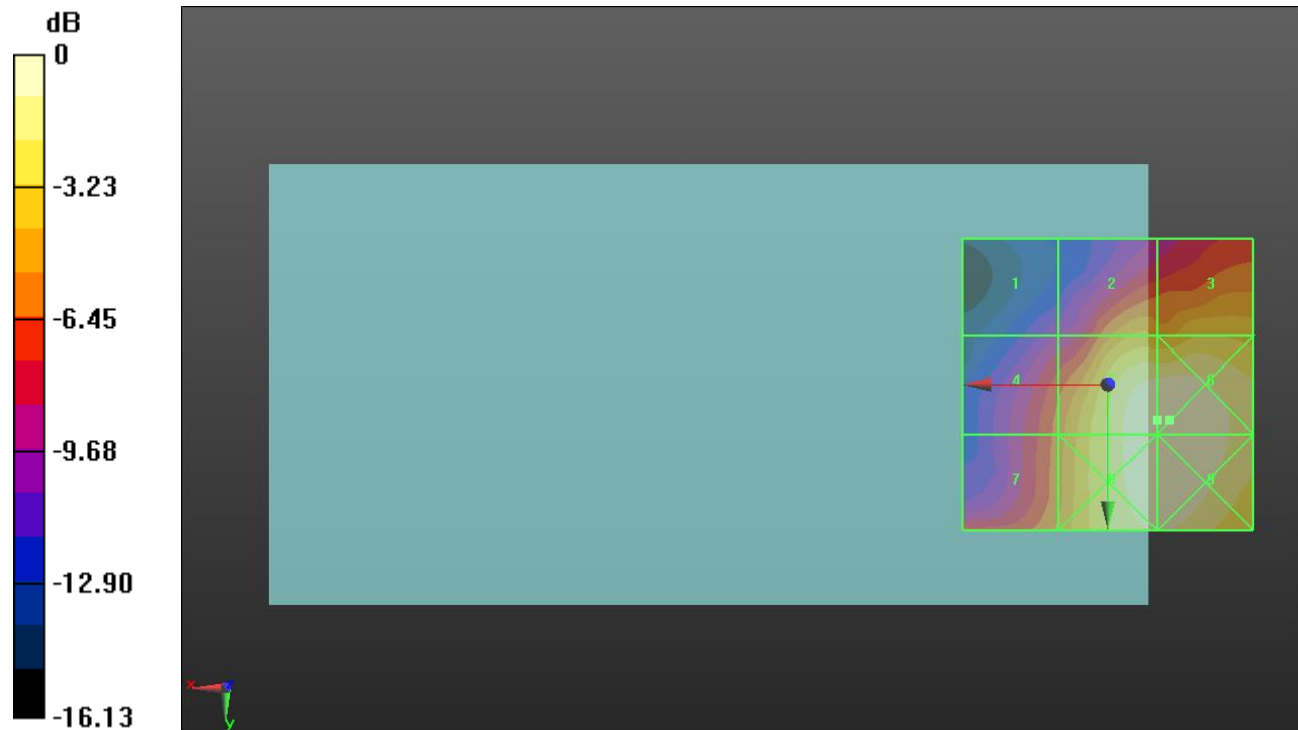
Applied MIF = -2.02 dB

RF audio interference level = 33.86 dBV/m

Emission category: **M3**

MIF scaled E-field

Grid 1 M4 24.27 dBV/m	Grid 2 M4 29.94 dBV/m	Grid 3 M3 30.79 dBV/m
Grid 4 M4 28.06 dBV/m	Grid 5 M3 33.86 dBV/m	Grid 6 M3 33.95 dBV/m
Grid 7 M4 28.9 dBV/m	Grid 8 M3 33.72 dBV/m	Grid 9 M3 33.8 dBV/m



0 dB = 49.81 V/m = 33.95 dBV/m

HAC-RF Emission

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

Phantom section: RF Section

DASY5 Configuration:

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

802.11b E-Field measurement/IEEE 802.11b_DSSS 11 Mbps_ch 6/Hearing Aid Compatibility Test (101x101x1):

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

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 70.62 V/m; Power Drift = 0.03 dB

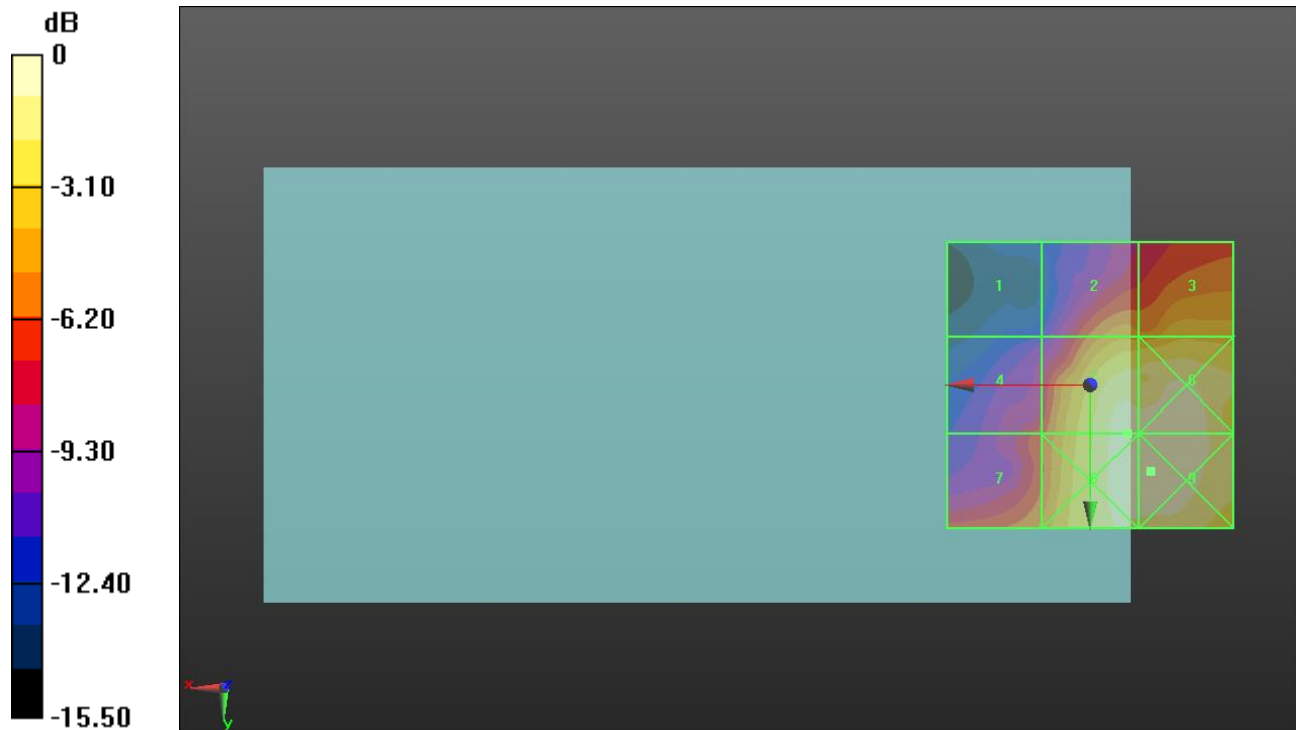
Applied MIF = -2.02 dB

RF audio interference level = 33.57 dBV/m

Emission category: **M3**

MIF scaled E-field

Grid 1 M4 23.07 dBV/m	Grid 2 M4 29.83 dBV/m	Grid 3 M3 30.89 dBV/m
Grid 4 M4 27.62 dBV/m	Grid 5 M3 33.57 dBV/m	Grid 6 M3 33.81 dBV/m
Grid 7 M4 29.25 dBV/m	Grid 8 M3 34.02 dBV/m	Grid 9 M3 34.12 dBV/m



0 dB = 50.79 V/m = 34.12 dBV/m

HAC-RF Emission

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

Phantom section: RF Section

DASY5 Configuration:

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

802.11b E-Field measurement/IEEE 802.11b_DSSS 11 Mbps_ch 11/Hearing Aid

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

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 65.29 V/m; Power Drift = -0.50 dB

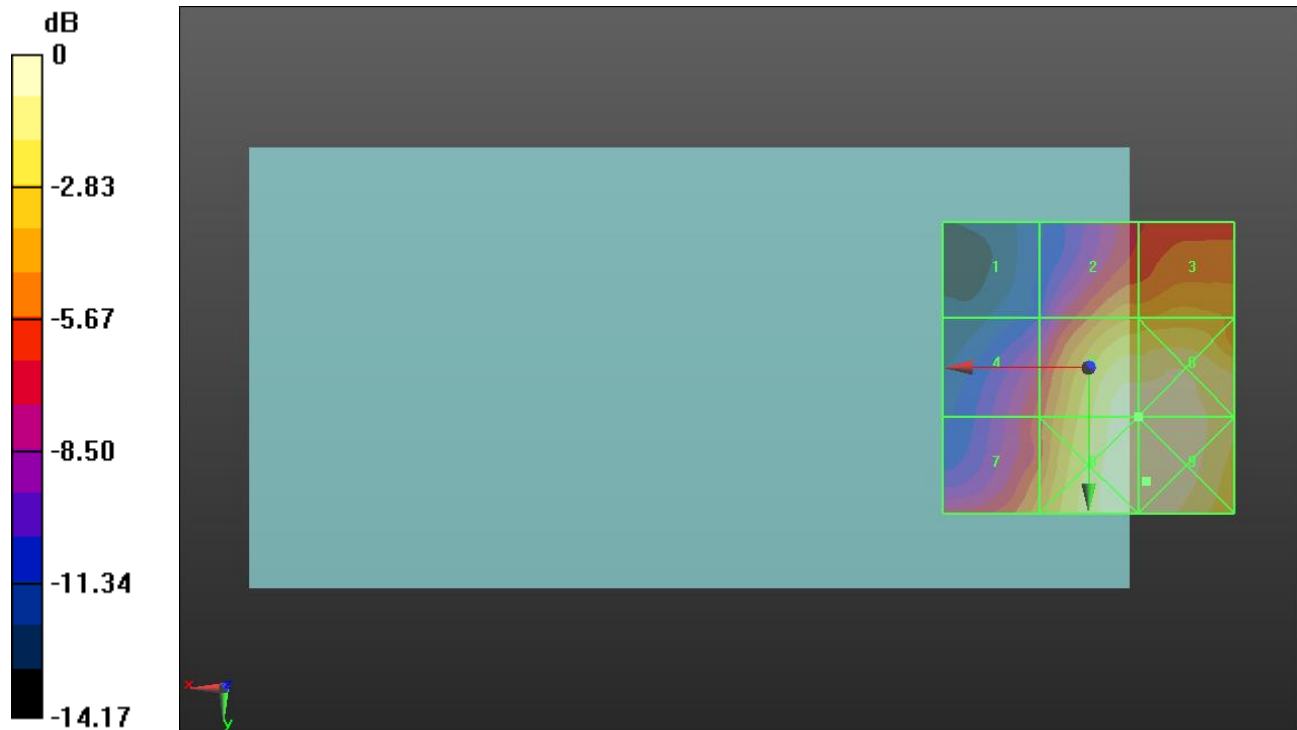
Applied MIF = -2.02 dB

RF audio interference level = 34.48 dBV/m

Emission category: M3

MIF scaled E-field

Grid 1 M4 24.42 dBV/m	Grid 2 M3 30.79 dBV/m	Grid 3 M3 31.38 dBV/m
Grid 4 M4 28.59 dBV/m	Grid 5 M3 34.48 dBV/m	Grid 6 M3 34.58 dBV/m
Grid 7 M3 30.51 dBV/m	Grid 8 M3 34.62 dBV/m	Grid 9 M3 34.65 dBV/m



0 dB = 54.01 V/m = 34.65 dBV/m

HAC-RF Emission

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

Phantom section: RF Section

DASY5 Configuration:

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

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

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

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 47.99 V/m; Power Drift = -0.58 dB

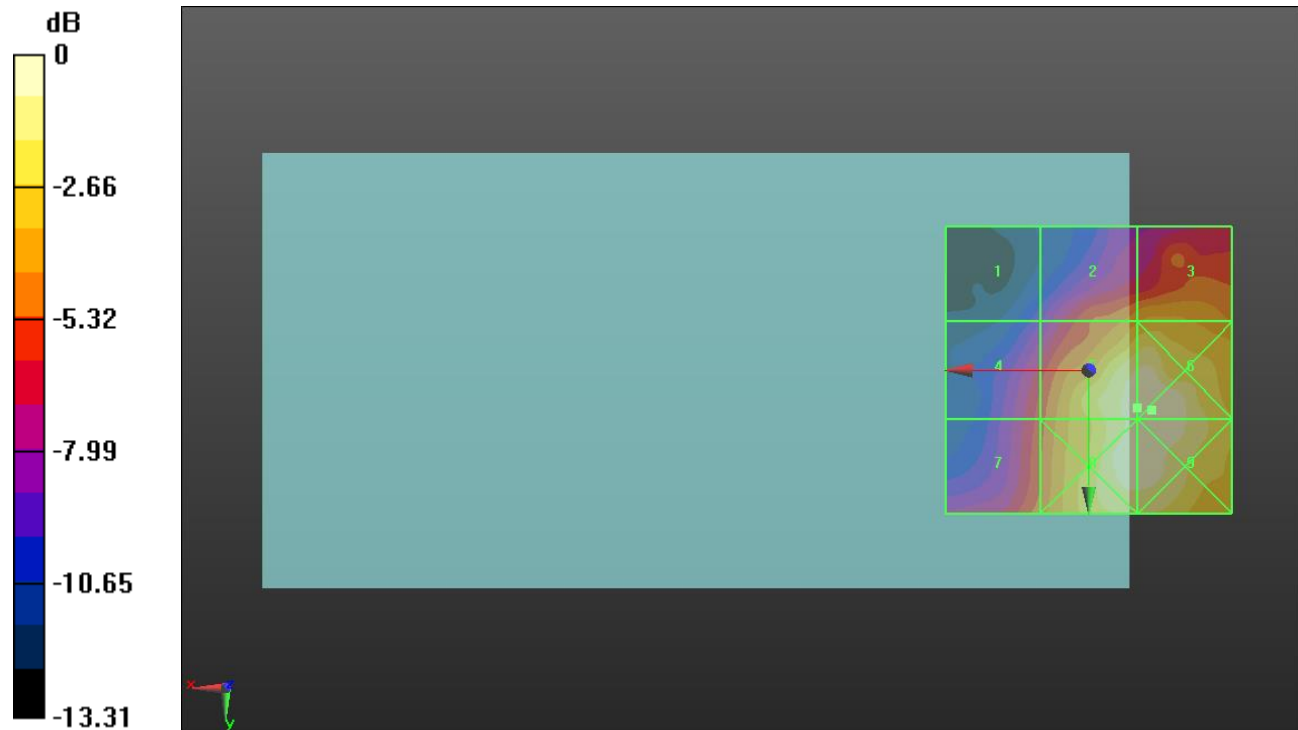
Applied MIF = 0.12 dB

RF audio interference level = 32.00 dBV/m

Emission category: **M3**

MIF scaled E-field

Grid 1 M4 23.26 dBV/m	Grid 2 M4 28.6 dBV/m	Grid 3 M4 29.03 dBV/m
Grid 4 M4 26.48 dBV/m	Grid 5 M3 32 dBV/m	Grid 6 M3 32.21 dBV/m
Grid 7 M4 27.45 dBV/m	Grid 8 M3 31.98 dBV/m	Grid 9 M3 32.17 dBV/m



0 dB = 40.81 V/m = 32.22 dBV/m

HAC-RF Emission

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

Phantom section: RF Section

DASY5 Configuration:

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

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

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

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 41.70 V/m; Power Drift = 0.44 dB

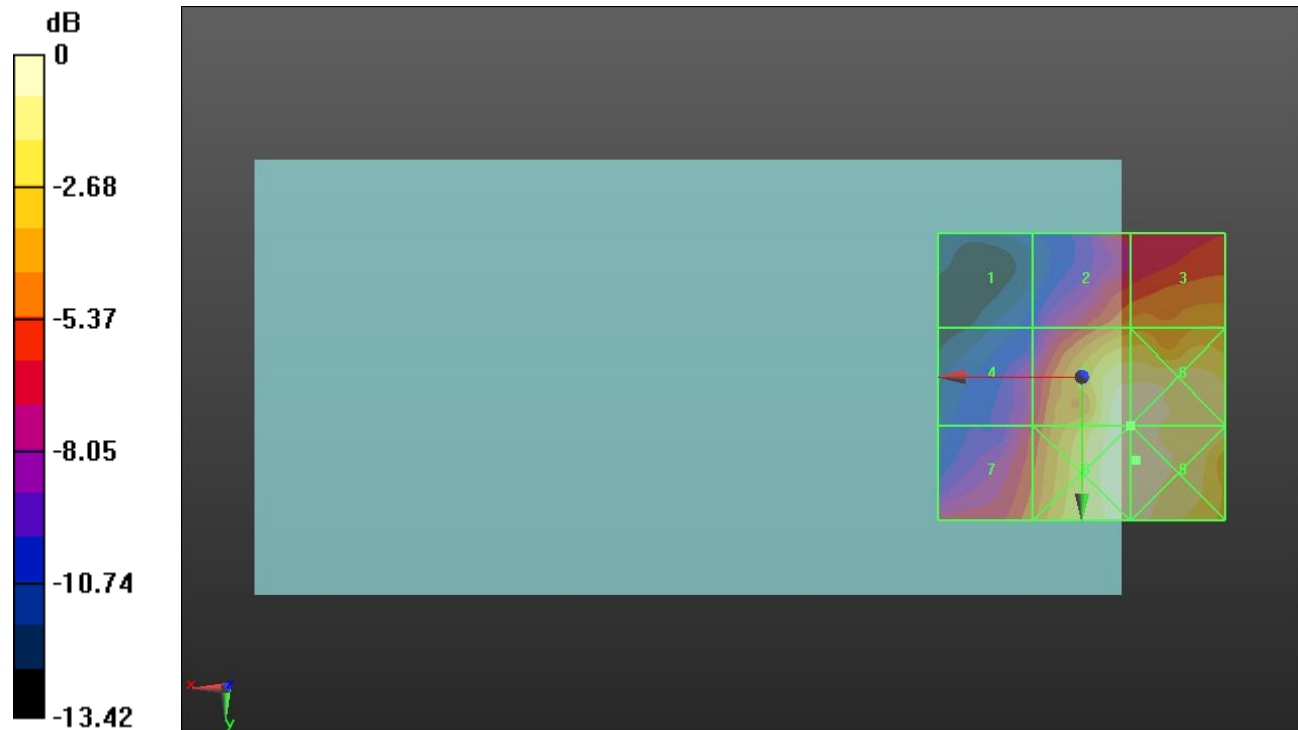
Applied MIF = 0.12 dB

RF audio interference level = 32.08 dBV/m

Emission category: **M3**

MIF scaled E-field

Grid 1 M4 22.42 dBV/m	Grid 2 M4 28.3 dBV/m	Grid 3 M4 28.74 dBV/m
Grid 4 M4 25.85 dBV/m	Grid 5 M3 32.08 dBV/m	Grid 6 M3 32.1 dBV/m
Grid 7 M4 27.58 dBV/m	Grid 8 M3 32.17 dBV/m	Grid 9 M3 32.19 dBV/m



0 dB = 40.68 V/m = 32.19 dBV/m

HAC-RF Emission

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

Phantom section: RF Section

DASY5 Configuration:

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

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

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

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 48.26 V/m; Power Drift = 0.14 dB

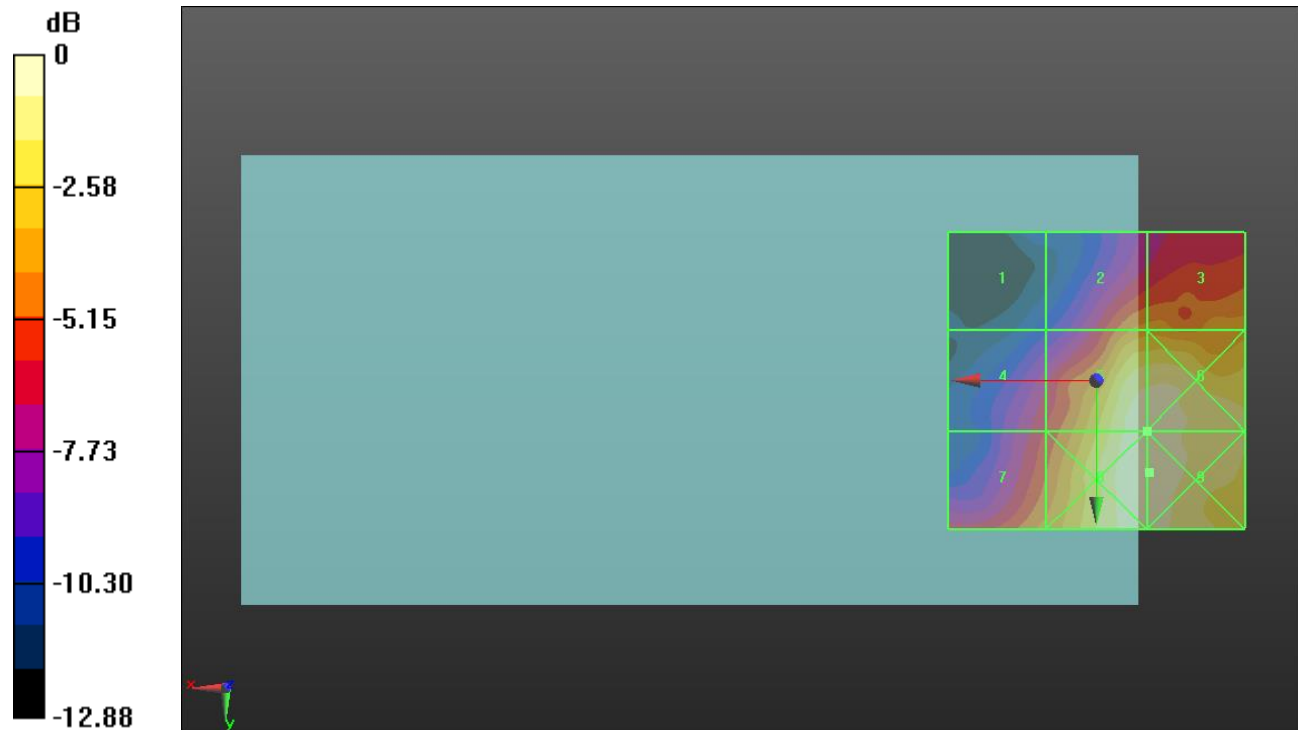
Applied MIF = 0.12 dB

RF audio interference level = 32.74 dBV/m

Emission category: **M3**

MIF scaled E-field

Grid 1 M4 23.35 dBV/m	Grid 2 M4 29.13 dBV/m	Grid 3 M4 29.2 dBV/m
Grid 4 M4 27.09 dBV/m	Grid 5 M3 32.74 dBV/m	Grid 6 M3 32.77 dBV/m
Grid 7 M4 29.1 dBV/m	Grid 8 M3 32.97 dBV/m	Grid 9 M3 32.97 dBV/m



0 dB = 44.53 V/m = 32.97 dBV/m

HAC-RF Emission

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

Phantom section: RF Section

DASY5 Configuration:

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

802.11a E-Field measurement/IEEE 802.11a_OFDM 54 Mbps_ch 40/Hearing Aid Compatibility Test (101x101x1): Interpolated grid: dx=0.5000 mm, dy=0.5000 mm

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 40.41 V/m; Power Drift = 0.90 dB

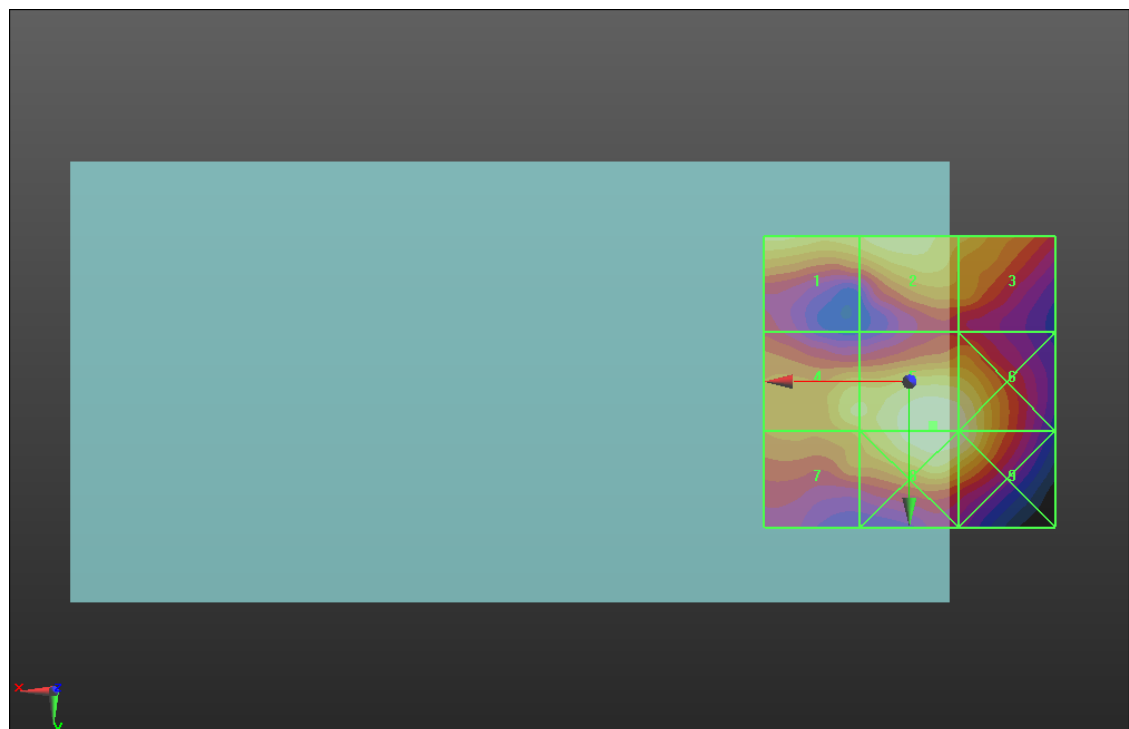
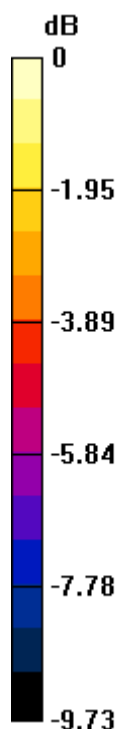
Applied MIF = -3.15 dB

RF audio interference level = 27.24 dBV/m

Emission category: **M4**

MIF scaled E-field

Grid 1 M4 26.31 dBV/m	Grid 2 M4 26.38 dBV/m	Grid 3 M4 25.6 dBV/m
Grid 4 M4 26.06 dBV/m	Grid 5 M4 27.24 dBV/m	Grid 6 M4 27.06 dBV/m
Grid 7 M4 25.08 dBV/m	Grid 8 M4 27.2 dBV/m	Grid 9 M4 27.06 dBV/m



0 dB = 23.02 V/m = 27.24 dBV/m

HAC-RF Emission

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

Phantom section: RF Section

DASY5 Configuration:

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

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

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

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 40.10 V/m; Power Drift = 0.00 dB

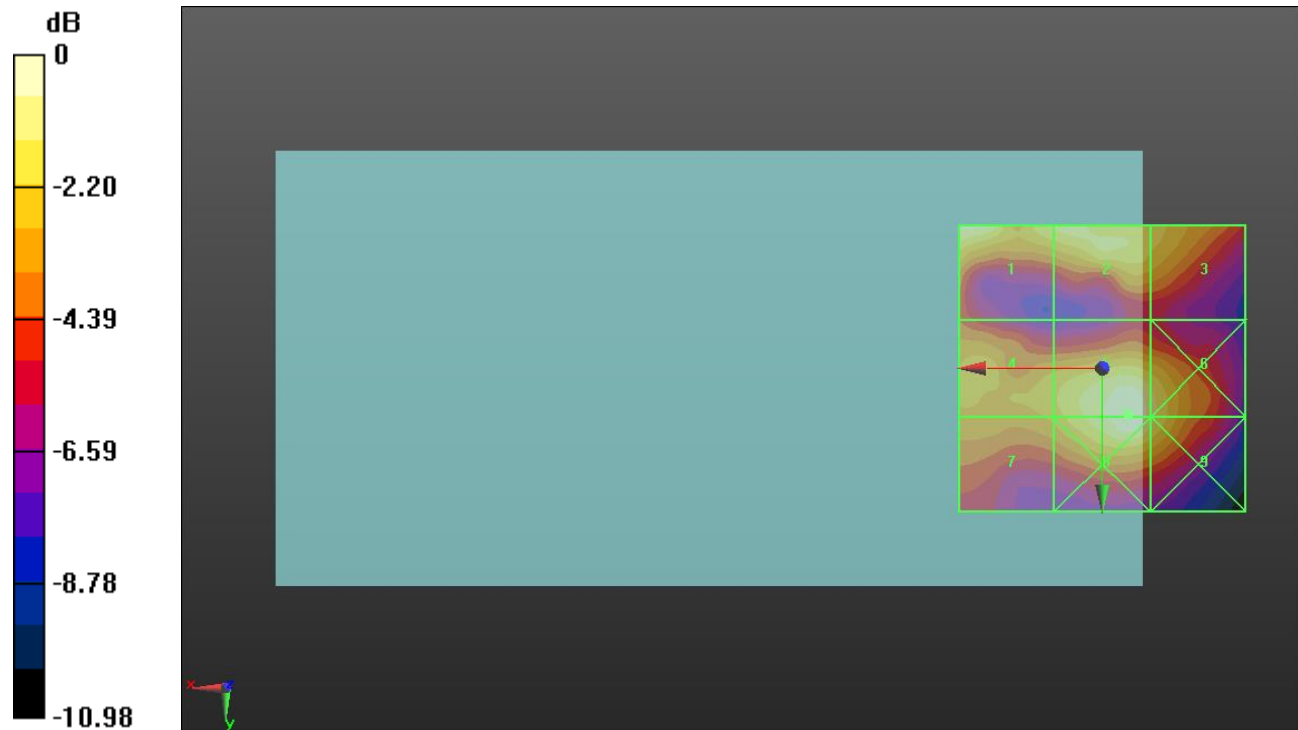
Applied MIF = -3.15 dB

RF audio interference level = 27.78 dBV/m

Emission category: **M4**

MIF scaled E-field

Grid 1 M4 27.44 dBV/m	Grid 2 M4 26.64 dBV/m	Grid 3 M4 25.89 dBV/m
Grid 4 M4 25.45 dBV/m	Grid 5 M4 27.78 dBV/m	Grid 6 M4 26.72 dBV/m
Grid 7 M4 25.11 dBV/m	Grid 8 M4 27.76 dBV/m	Grid 9 M4 26.64 dBV/m



0 dB = 24.48 V/m = 27.78 dBV/m

HAC-RF Emission

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

Phantom section: RF Section

DASY5 Configuration:

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

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

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

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 39.69 V/m; Power Drift = -0.06 dB

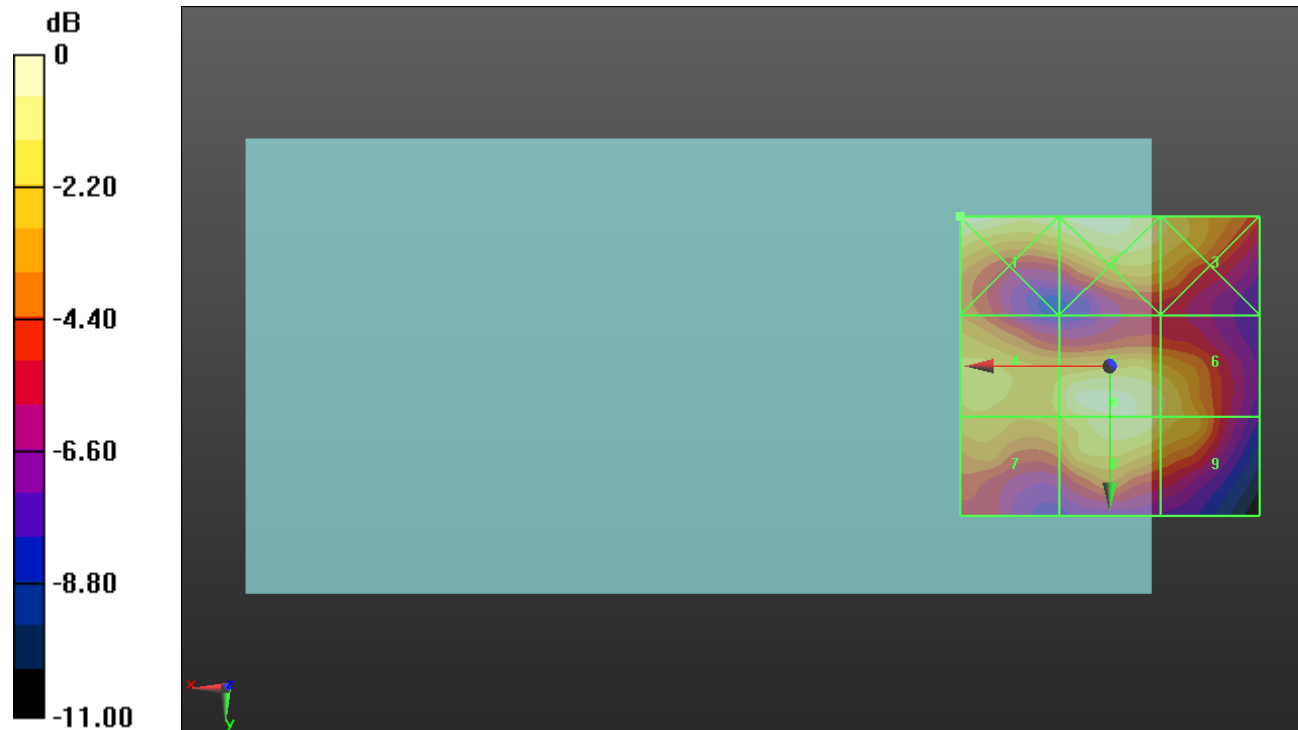
Applied MIF = -3.15 dB

RF audio interference level = 27.20 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 27.65 dBV/m	Grid 2 M4 27.25 dBV/m	Grid 3 M4 26.37 dBV/m
Grid 4 M4 25.79 dBV/m	Grid 5 M4 27.2 dBV/m	Grid 6 M4 26.36 dBV/m
Grid 7 M4 25.36 dBV/m	Grid 8 M4 26.93 dBV/m	Grid 9 M4 26.15 dBV/m



0 dB = 24.12 V/m = 27.65 dBV/m

HAC-RF Emission

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

Phantom section: RF Section

DASY5 Configuration:

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

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

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

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 40.76 V/m; Power Drift = -0.29 dB

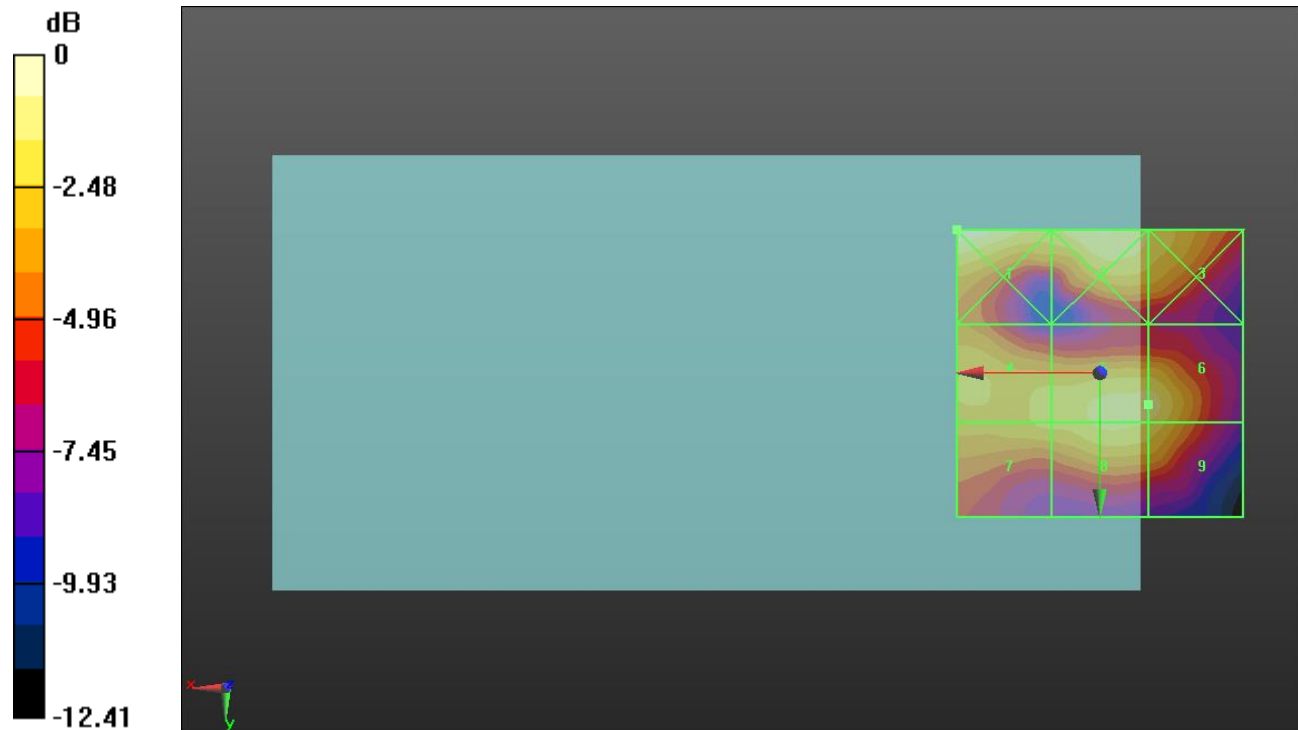
Applied MIF = -3.15 dB

RF audio interference level = 26.94 dBV/m

Emission category: **M4**

MIF scaled E-field

Grid 1 M4 28.15 dBV/m	Grid 2 M4 27.4 dBV/m	Grid 3 M4 26.46 dBV/m
Grid 4 M4 26.14 dBV/m	Grid 5 M4 26.94 dBV/m	Grid 6 M4 26.94 dBV/m
Grid 7 M4 25.94 dBV/m	Grid 8 M4 26.74 dBV/m	Grid 9 M4 26.51 dBV/m



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

HAC-RF Emission

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

Phantom section: RF Section

DASY5 Configuration:

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

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

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

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 40.42 V/m; Power Drift = -0.22 dB

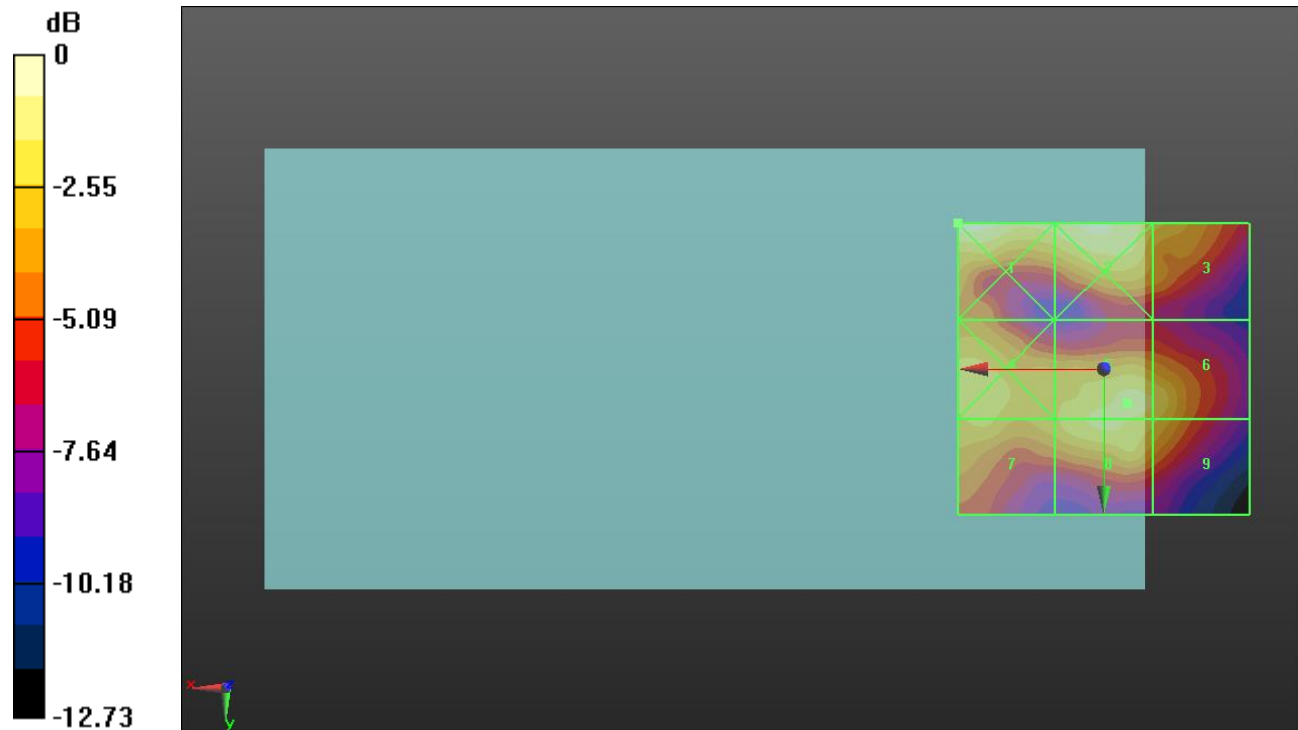
Applied MIF = -3.15 dB

RF audio interference level = 27.22 dBV/m

Emission category: **M4**

MIF scaled E-field

Grid 1 M4 28.5 dBV/m	Grid 2 M4 27.81 dBV/m	Grid 3 M4 26.37 dBV/m
Grid 4 M4 26.54 dBV/m	Grid 5 M4 27.22 dBV/m	Grid 6 M4 26.83 dBV/m
Grid 7 M4 26.21 dBV/m	Grid 8 M4 27.11 dBV/m	Grid 9 M4 26.25 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: 5300 MHz; Duty Cycle: 1:11.3763

Phantom section: RF Section

DASY5 Configuration:

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

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

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

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 41.49 V/m; Power Drift = -0.54 dB

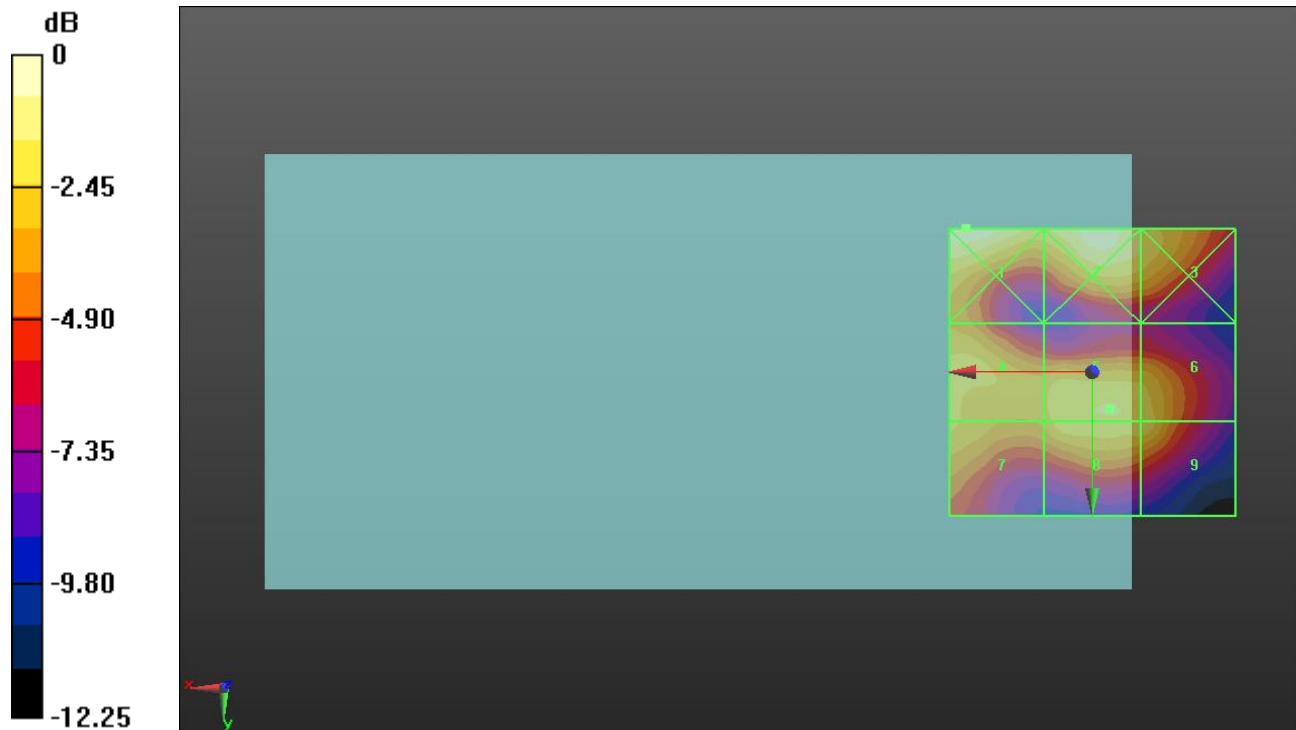
Applied MIF = -3.15 dB

RF audio interference level = 26.74 dBV/m

Emission category: **M4**

MIF scaled E-field

Grid 1 M4 28.32 dBV/m	Grid 2 M4 27.94 dBV/m	Grid 3 M4 26.73 dBV/m
Grid 4 M4 26.57 dBV/m	Grid 5 M4 26.74 dBV/m	Grid 6 M4 26.59 dBV/m
Grid 7 M4 26.16 dBV/m	Grid 8 M4 26.59 dBV/m	Grid 9 M4 26.59 dBV/m



0 dB = 26.05 V/m = 28.32 dBV/m

HAC-RF Emission

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

Phantom section: RF Section

DASY5 Configuration:

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

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

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

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 33.16 V/m; Power Drift = 0.04 dB

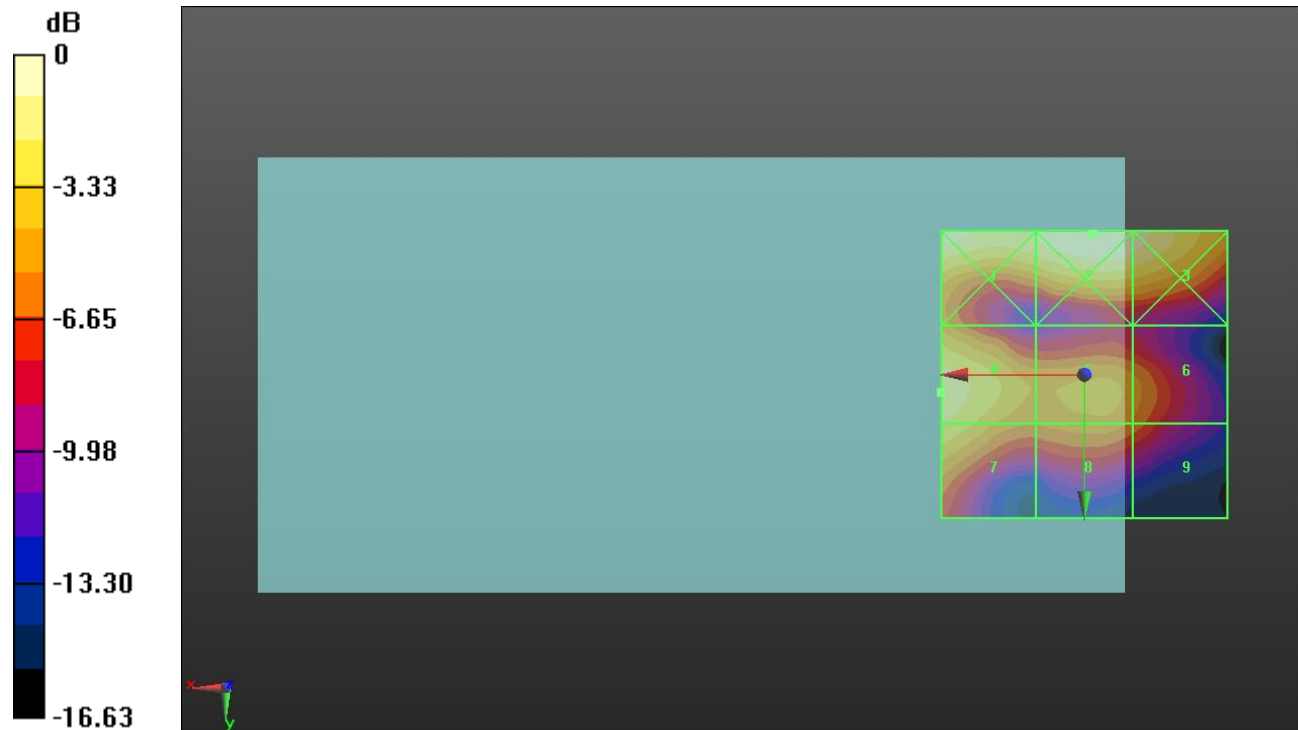
Applied MIF = -3.15 dB

RF audio interference level = 26.53 dBV/m

Emission category: **M4**

MIF scaled E-field

Grid 1 M4 27.86 dBV/m	Grid 2 M4 28.13 dBV/m	Grid 3 M4 27.54 dBV/m
Grid 4 M4 26.53 dBV/m	Grid 5 M4 24.18 dBV/m	Grid 6 M4 23.16 dBV/m
Grid 7 M4 25.9 dBV/m	Grid 8 M4 23.33 dBV/m	Grid 9 M4 22.28 dBV/m



0 dB = 25.49 V/m = 28.13 dBV/m

HAC-RF Emission

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

Phantom section: RF Section

DASY5 Configuration:

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

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

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

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 33.05 V/m; Power Drift = -0.05 dB

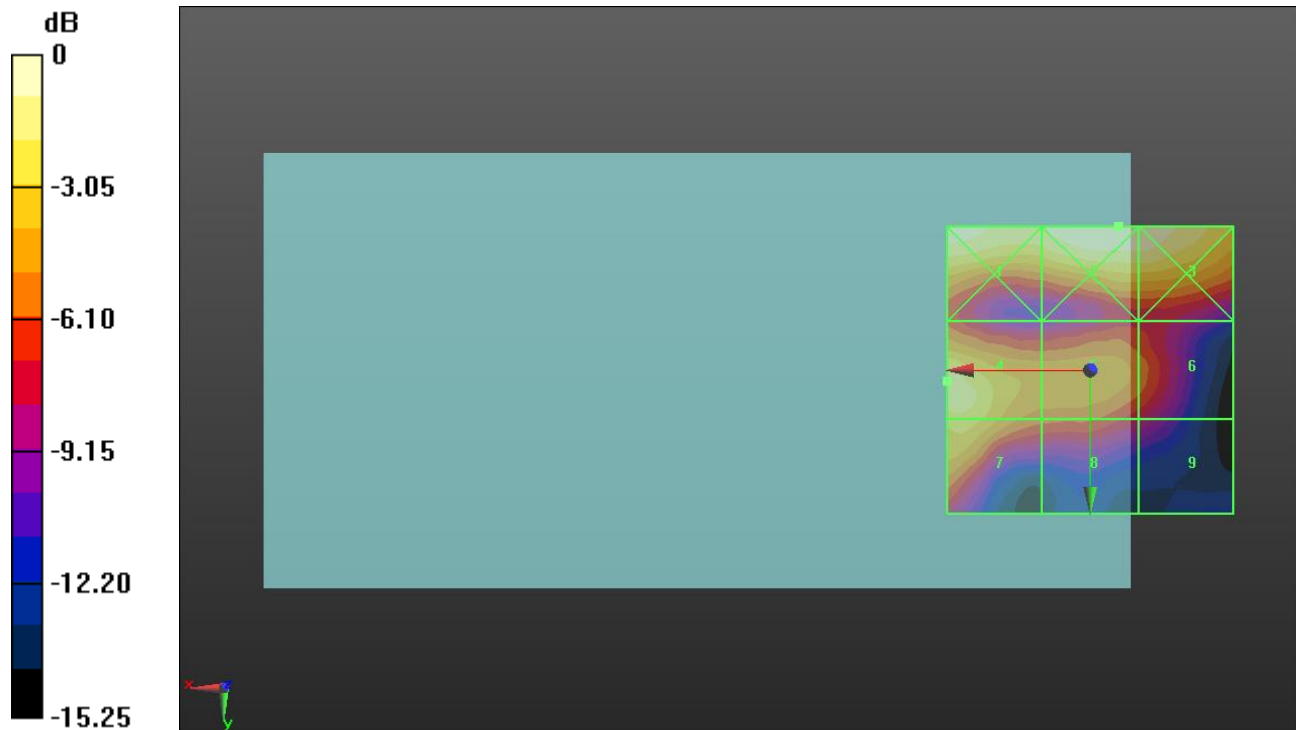
Applied MIF = -3.15 dB

RF audio interference level = 26.37 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 27.23 dBV/m	Grid 2 M4 27.62 dBV/m	Grid 3 M4 27.41 dBV/m
Grid 4 M4 26.37 dBV/m	Grid 5 M4 23.4 dBV/m	Grid 6 M4 22.18 dBV/m
Grid 7 M4 25.27 dBV/m	Grid 8 M4 21.97 dBV/m	Grid 9 M4 19.57 dBV/m



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

HAC-RF Emission

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

Phantom section: RF Section

DASY5 Configuration:

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

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

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

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 35.17 V/m; Power Drift = -0.75 dB

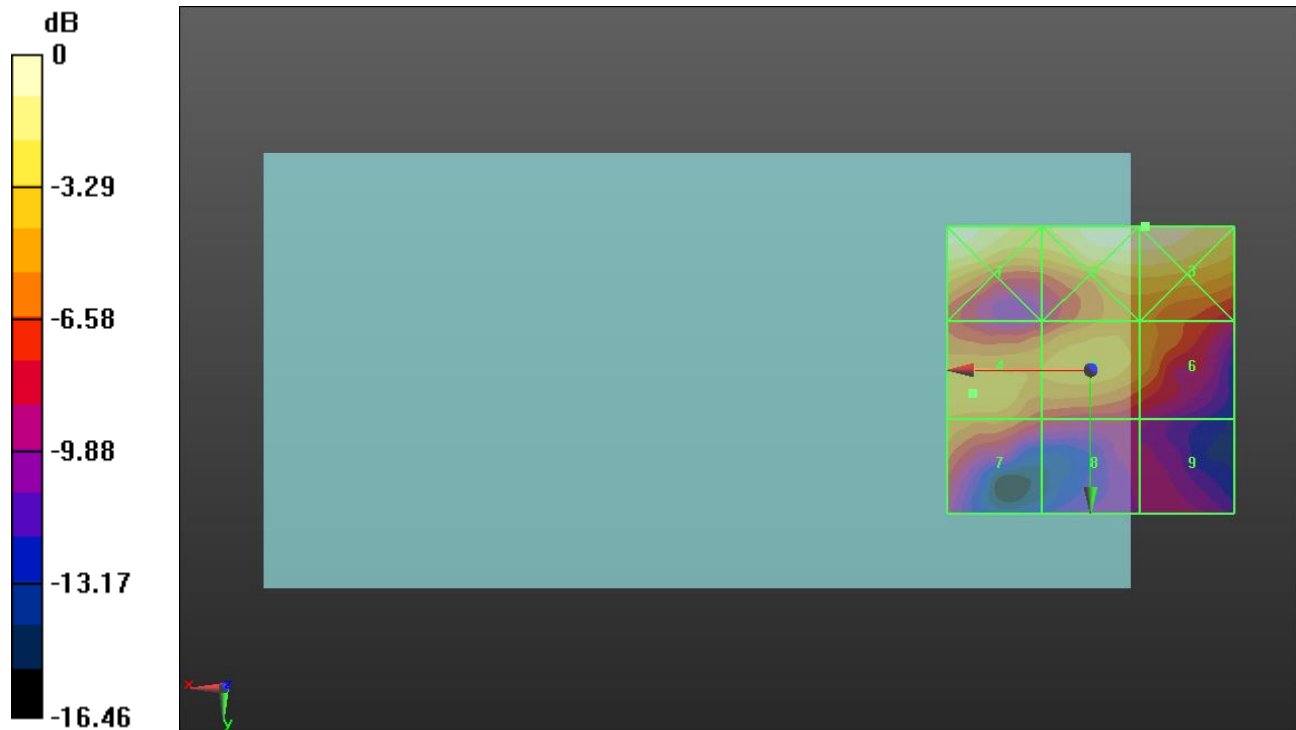
Applied MIF = -3.15 dB

RF audio interference level = 24.08 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 27.05 dBV/m	Grid 2 M4 27.51 dBV/m	Grid 3 M4 27.53 dBV/m
Grid 4 M4 24.08 dBV/m	Grid 5 M4 23.91 dBV/m	Grid 6 M4 22.82 dBV/m
Grid 7 M4 23.15 dBV/m	Grid 8 M4 20.1 dBV/m	Grid 9 M4 18.36 dBV/m



0 dB = 23.79 V/m = 27.53 dBV/m

HAC-RF Emission

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

Phantom section: RF Section

DASY5 Configuration:

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

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

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

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 36.08 V/m; Power Drift = -0.34 dB

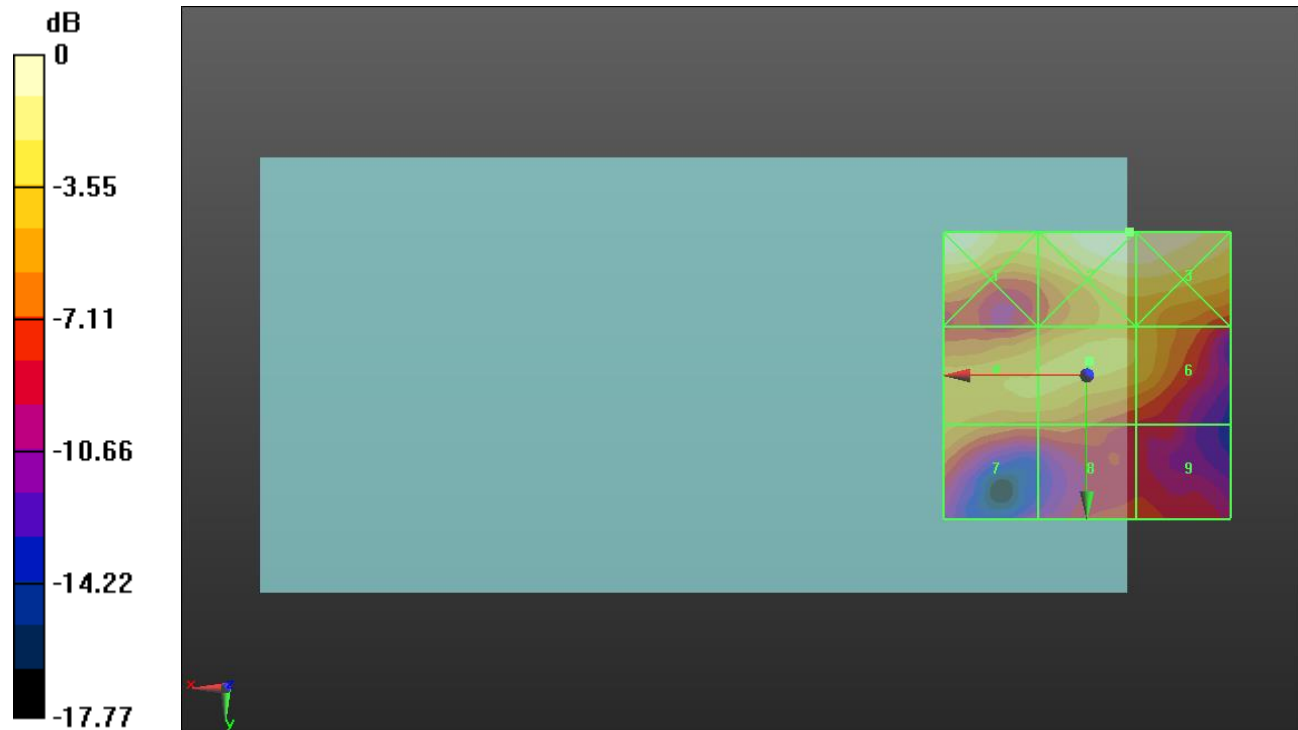
Applied MIF = -3.15 dB

RF audio interference level = 24.03 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 26.78 dBV/m	Grid 2 M4 27.2 dBV/m	Grid 3 M4 27.17 dBV/m
Grid 4 M4 23.84 dBV/m	Grid 5 M4 24.03 dBV/m	Grid 6 M4 23.68 dBV/m
Grid 7 M4 23.02 dBV/m	Grid 8 M4 20.91 dBV/m	Grid 9 M4 19.82 dBV/m



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

HAC-RF Emission

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

Phantom section: RF Section

DASY5 Configuration:

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

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

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

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 39.30 V/m; Power Drift = -0.47 dB

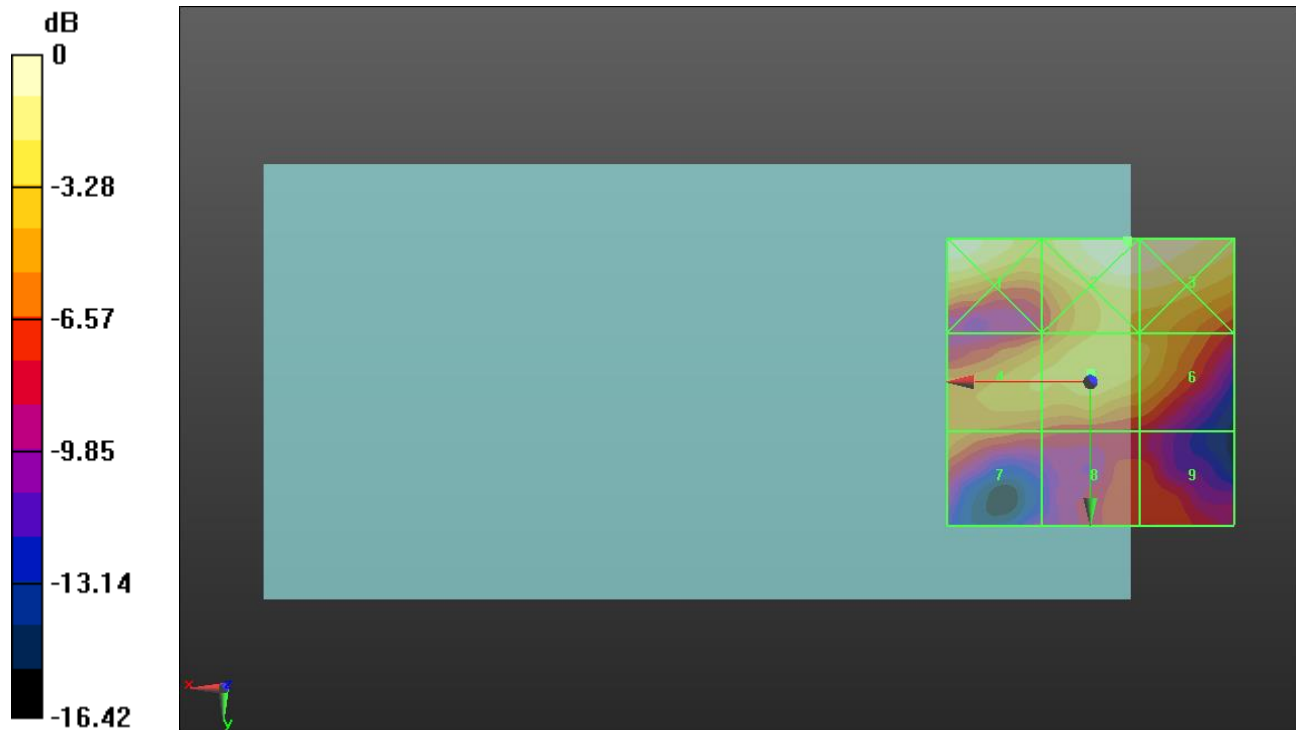
Applied MIF = -3.15 dB

RF audio interference level = 25.07 dBV/m

Emission category: **M4**

MIF scaled E-field

Grid 1 M4 26.88 dBV/m	Grid 2 M4 27.38 dBV/m	Grid 3 M4 27.28 dBV/m
Grid 4 M4 24.29 dBV/m	Grid 5 M4 25.07 dBV/m	Grid 6 M4 24.41 dBV/m
Grid 7 M4 22.91 dBV/m	Grid 8 M4 20.83 dBV/m	Grid 9 M4 20.81 dBV/m



0 dB = 23.40 V/m = 27.38 dBV/m

HAC-RF Emission

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

Phantom section: RF Section

DASY5 Configuration:

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

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

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

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 44.01 V/m; Power Drift = -0.46 dB

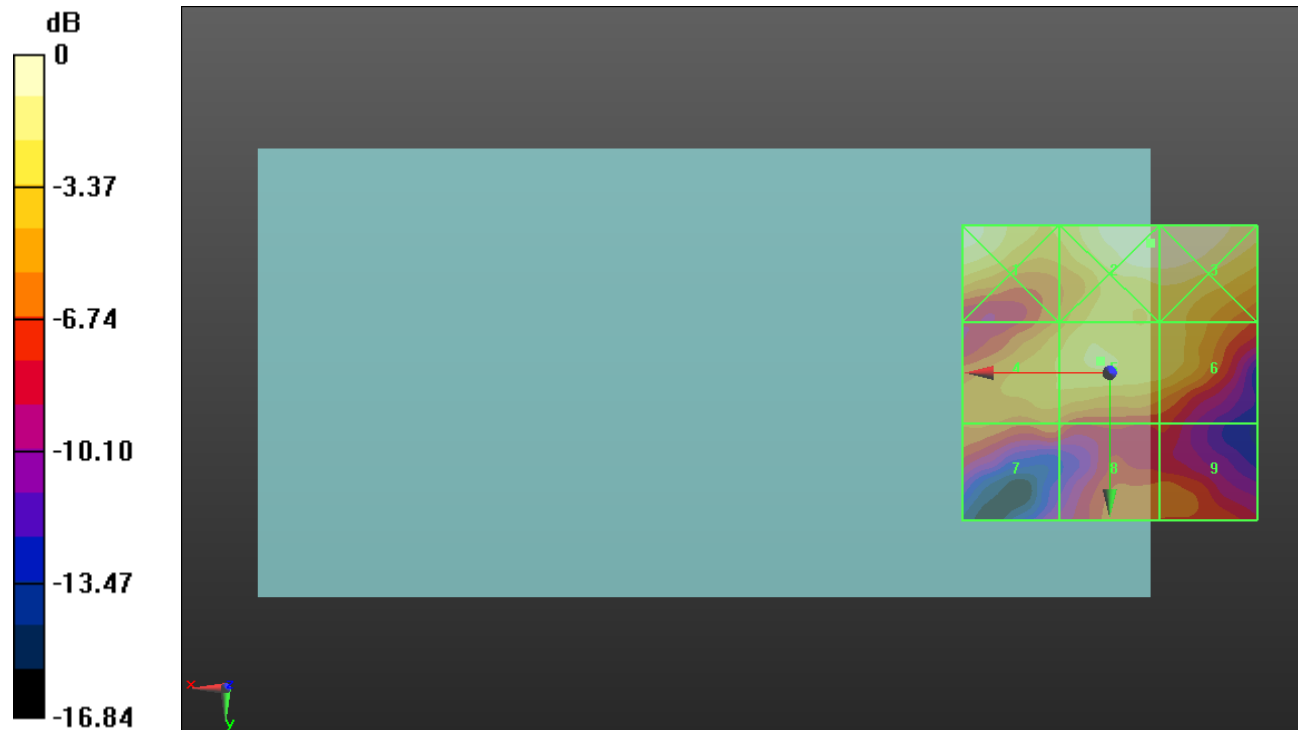
Applied MIF = -3.15 dB

RF audio interference level = 25.90 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 27.44 dBV/m	Grid 2 M4 27.98 dBV/m	Grid 3 M4 27.95 dBV/m
Grid 4 M4 24.83 dBV/m	Grid 5 M4 25.9 dBV/m	Grid 6 M4 25.47 dBV/m
Grid 7 M4 22.7 dBV/m	Grid 8 M4 21.98 dBV/m	Grid 9 M4 22.04 dBV/m



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

HAC-RF Emission

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

Phantom section: RF Section

DASY5 Configuration:

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

802.11b E-Field measurement/IEEE 802.11b_DSSS 11 Mbps_ch 2/Hearing Aid Compatibility Test (101x101x1):

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

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 11.26 V/m; Power Drift = -0.80 dB

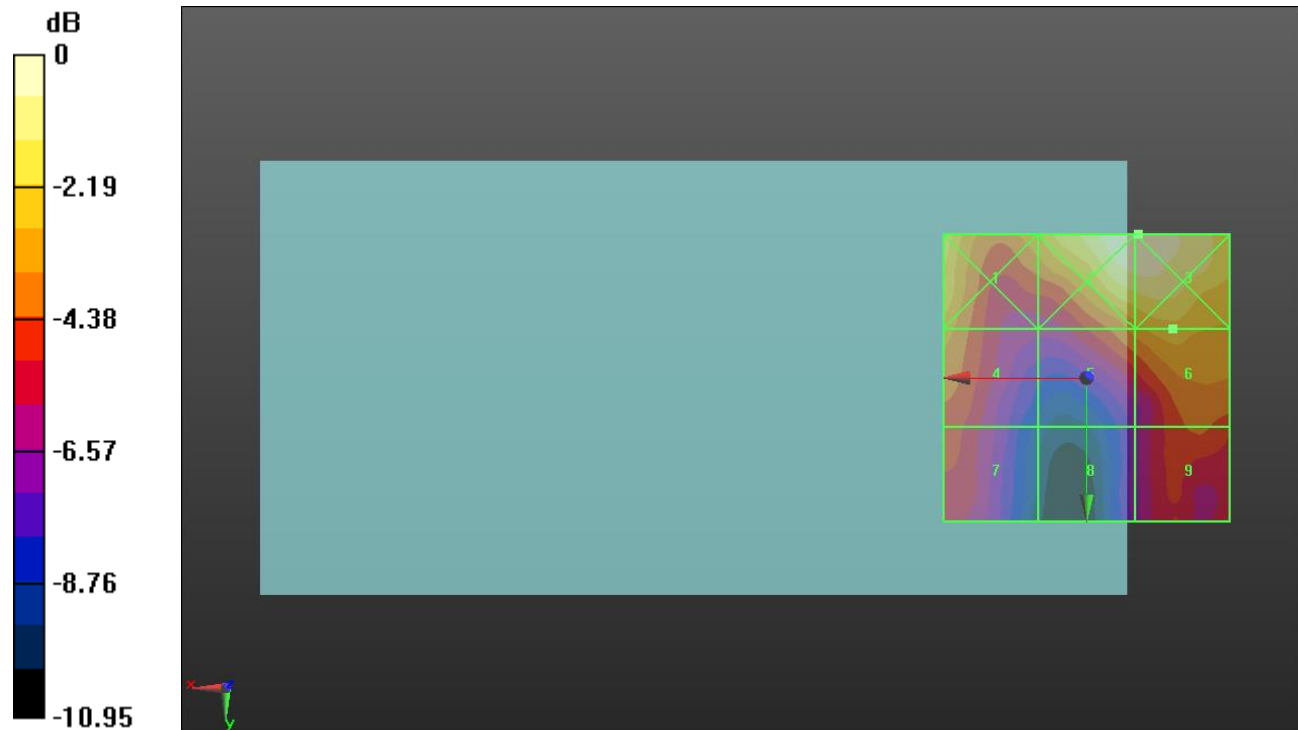
Applied MIF = -2.02 dB

RF audio interference level = 22.23 dBV/m

Emission category: **M4**

MIF scaled E-field

Grid 1 M4 23.42 dBV/m	Grid 2 M4 24.69 dBV/m	Grid 3 M4 24.7 dBV/m
Grid 4 M4 21.55 dBV/m	Grid 5 M4 21.46 dBV/m	Grid 6 M4 22.23 dBV/m
Grid 7 M4 20.31 dBV/m	Grid 8 M4 17.91 dBV/m	Grid 9 M4 20.44 dBV/m



0 dB = 17.18 V/m = 24.70 dBV/m

HAC-RF Emission

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

Phantom section: RF Section

DASY5 Configuration:

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

802.11b E-Field measurement/IEEE 802.11b_DSSS 11 Mbps_ch 6/Hearing Aid Compatibility Test (101x101x1):

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

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 12.76 V/m; Power Drift = -0.06 dB

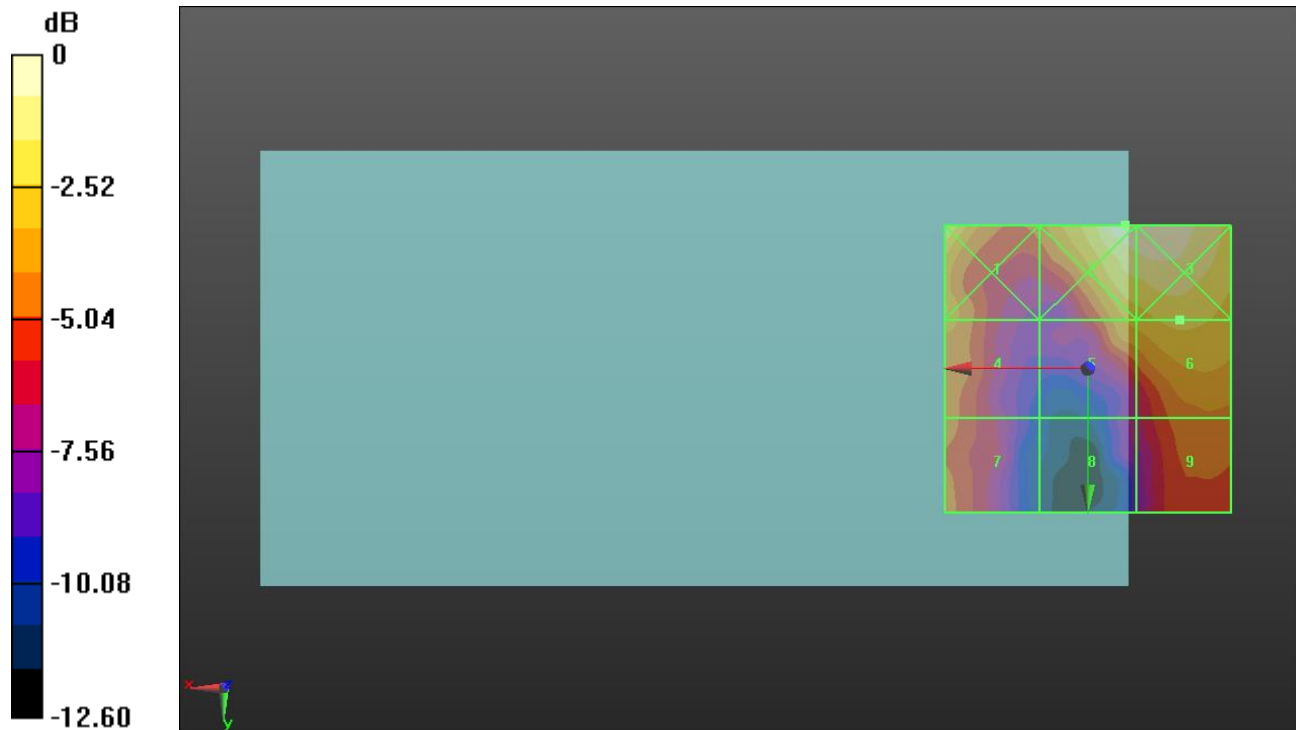
Applied MIF = -2.02 dB

RF audio interference level = 24.87 dBV/m

Emission category: **M4**

MIF scaled E-field

Grid 1 M4 26.35 dBV/m	Grid 2 M4 27.13 dBV/m	Grid 3 M4 27.02 dBV/m
Grid 4 M4 23.73 dBV/m	Grid 5 M4 24.11 dBV/m	Grid 6 M4 24.87 dBV/m
Grid 7 M4 22.82 dBV/m	Grid 8 M4 20.16 dBV/m	Grid 9 M4 22.87 dBV/m



0 dB = 22.72 V/m = 27.13 dBV/m

HAC-RF Emission

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

Phantom section: RF Section

DASY5 Configuration:

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

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

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

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 11.55 V/m; Power Drift = -0.14 dB

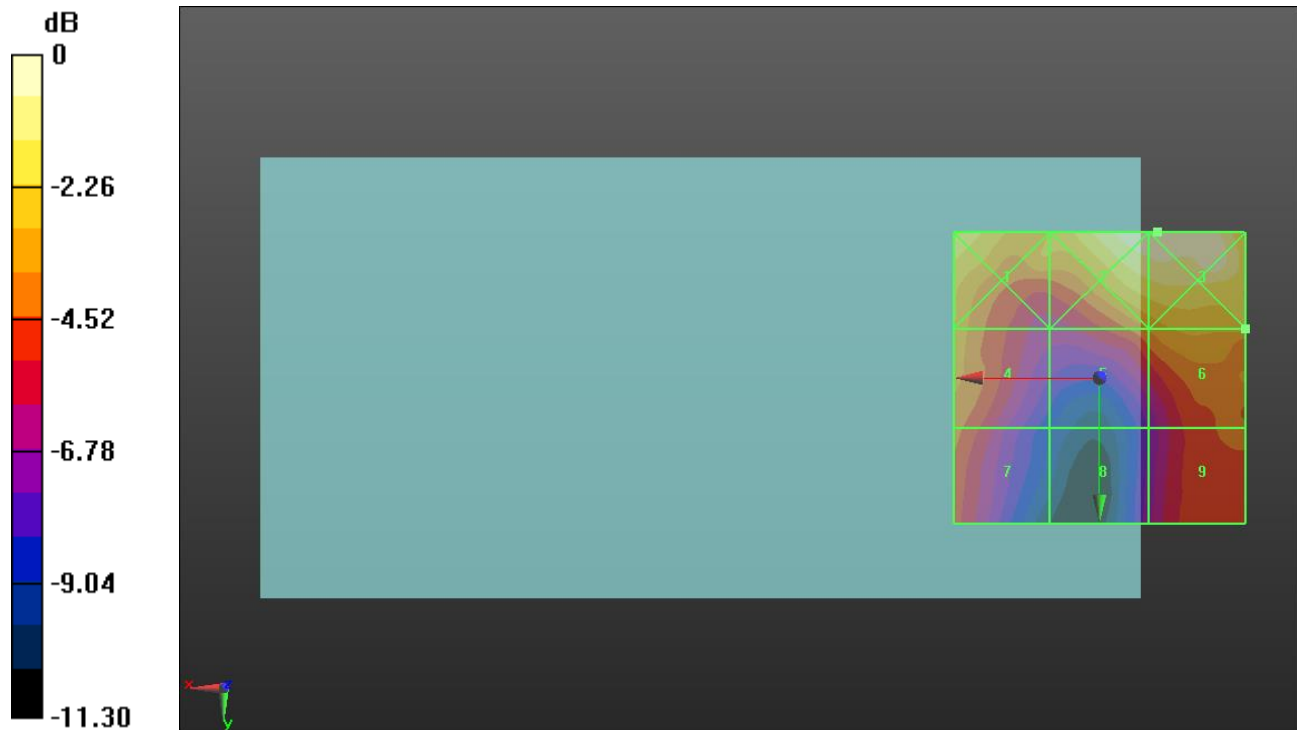
Applied MIF = -2.02 dB

RF audio interference level = 24.03 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 25.01 dBV/m	Grid 2 M4 26.49 dBV/m	Grid 3 M4 26.53 dBV/m
Grid 4 M4 23.54 dBV/m	Grid 5 M4 22.9 dBV/m	Grid 6 M4 24.03 dBV/m
Grid 7 M4 22.35 dBV/m	Grid 8 M4 19.57 dBV/m	Grid 9 M4 22.14 dBV/m



0 dB = 21.21 V/m = 26.53 dBV/m

HAC-RF Emission

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

Phantom section: RF Section

DASY5 Configuration:

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

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

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

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 12.69 V/m; Power Drift = -0.01 dB

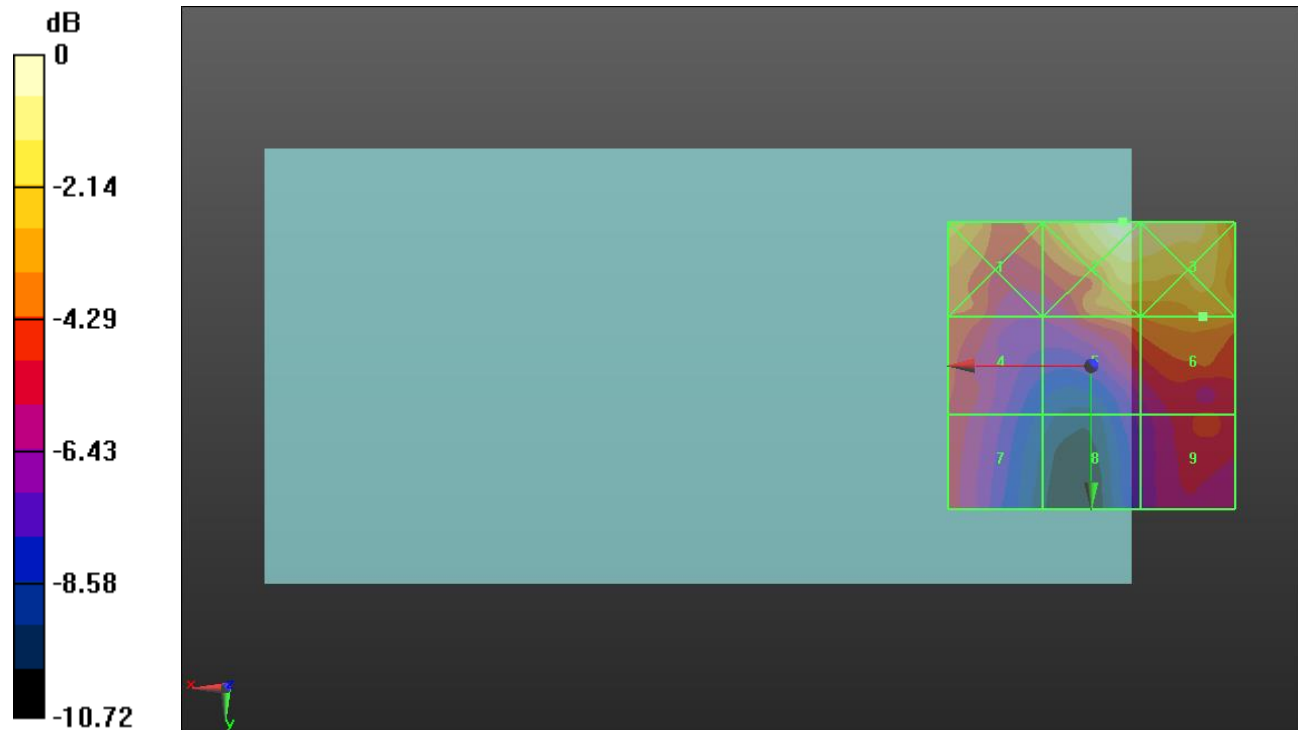
Applied MIF = 0.12 dB

RF audio interference level = 25.13 dBV/m

Emission category: **M4**

MIF scaled E-field

Grid 1 M4 25.63 dBV/m	Grid 2 M4 28.05 dBV/m	Grid 3 M4 27.55 dBV/m
Grid 4 M4 23.74 dBV/m	Grid 5 M4 24.49 dBV/m	Grid 6 M4 25.13 dBV/m
Grid 7 M4 23.02 dBV/m	Grid 8 M4 21.2 dBV/m	Grid 9 M4 23.61 dBV/m



0 dB = 25.26 V/m = 28.05 dBV/m

HAC-RF Emission

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

Phantom section: RF Section

DASY5 Configuration:

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

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

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

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 12.58 V/m; Power Drift = 1.00 dB

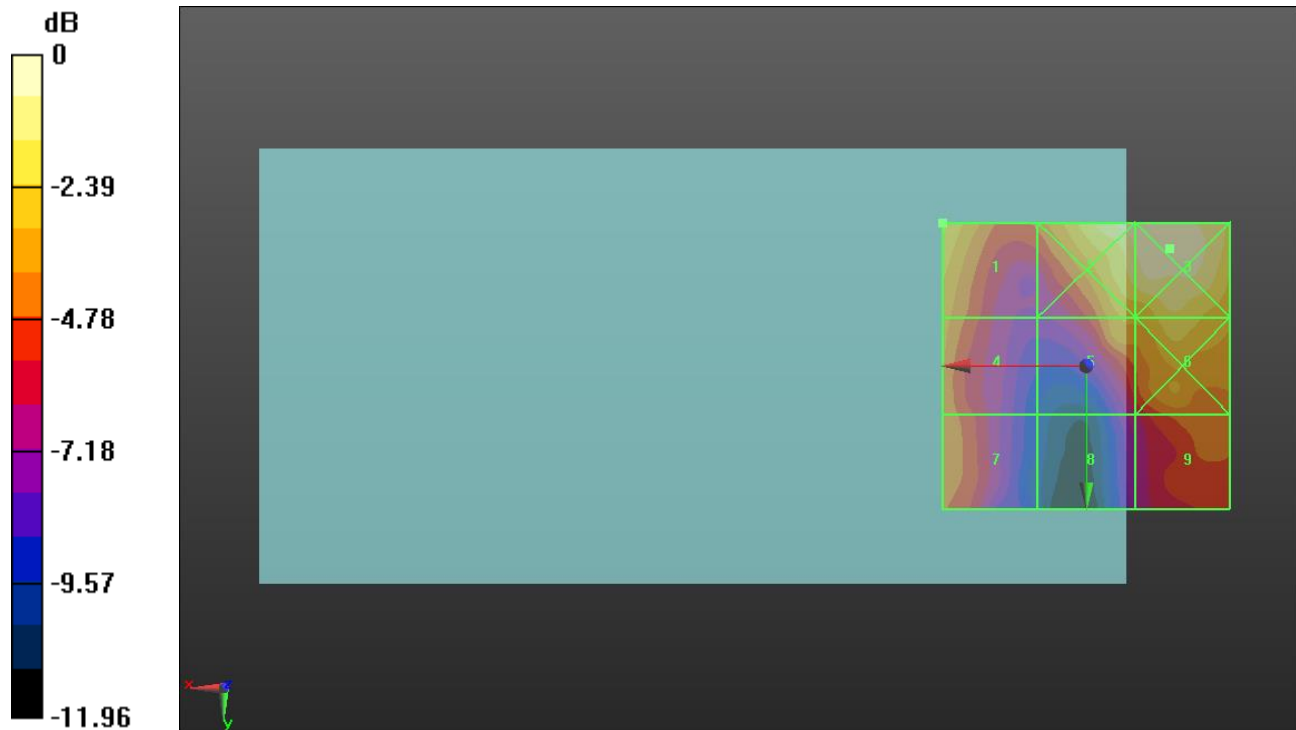
Applied MIF = 0.12 dB

RF audio interference level = 26.87 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 26.87 dBV/m	Grid 2 M4 28.63 dBV/m	Grid 3 M4 29.05 dBV/m
Grid 4 M4 25.49 dBV/m	Grid 5 M4 26.06 dBV/m	Grid 6 M4 27.26 dBV/m
Grid 7 M4 25 dBV/m	Grid 8 M4 22.6 dBV/m	Grid 9 M4 24.79 dBV/m



0 dB = 28.35 V/m = 29.05 dBV/m

HAC-RF Emission

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

Phantom section: RF Section

DASY5 Configuration:

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

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

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

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 10.73 V/m; Power Drift = -0.12 dB

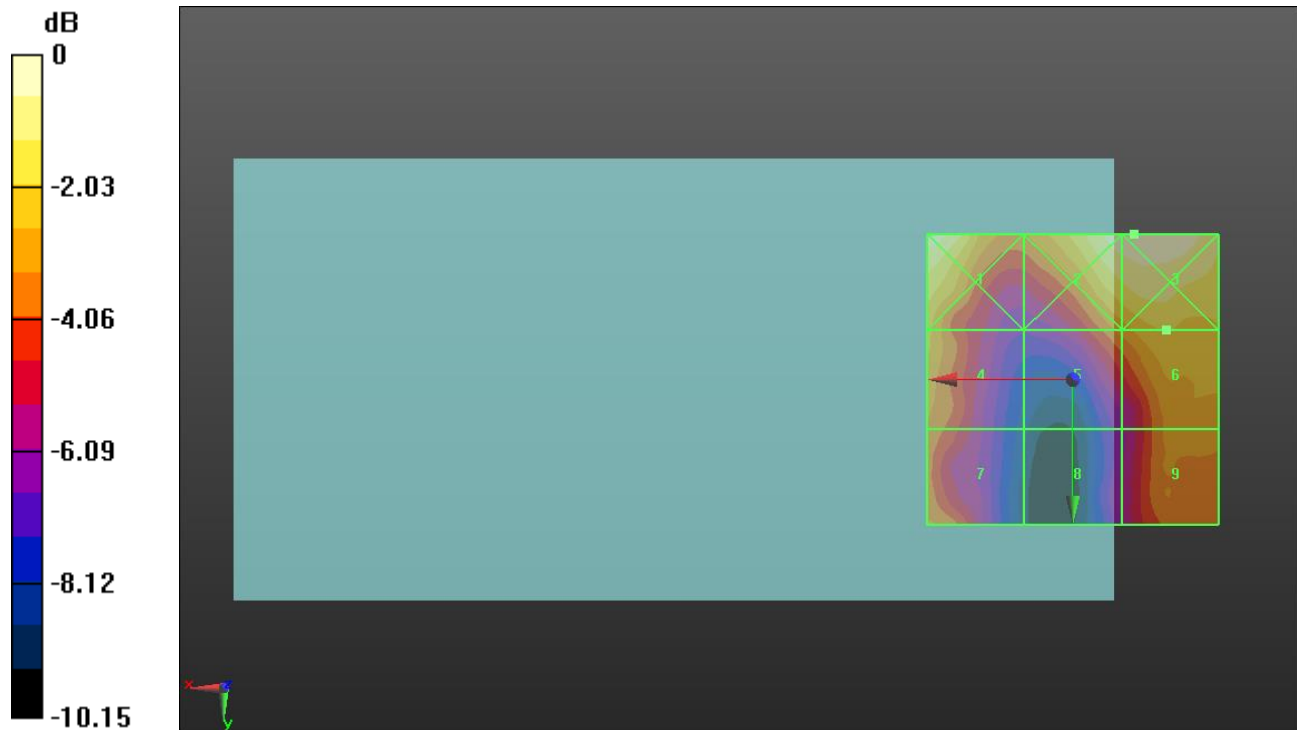
Applied MIF = 0.12 dB

RF audio interference level = 25.61 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 27.41 dBV/m	Grid 2 M4 27.48 dBV/m	Grid 3 M4 27.6 dBV/m
Grid 4 M4 25.18 dBV/m	Grid 5 M4 24.53 dBV/m	Grid 6 M4 25.61 dBV/m
Grid 7 M4 24.33 dBV/m	Grid 8 M4 21.68 dBV/m	Grid 9 M4 24.78 dBV/m



0 dB = 23.98 V/m = 27.60 dBV/m

HAC-RF Emission

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

Phantom section: RF Section

DASY5 Configuration:

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

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

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

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 13.76 V/m; Power Drift = 1.69 dB

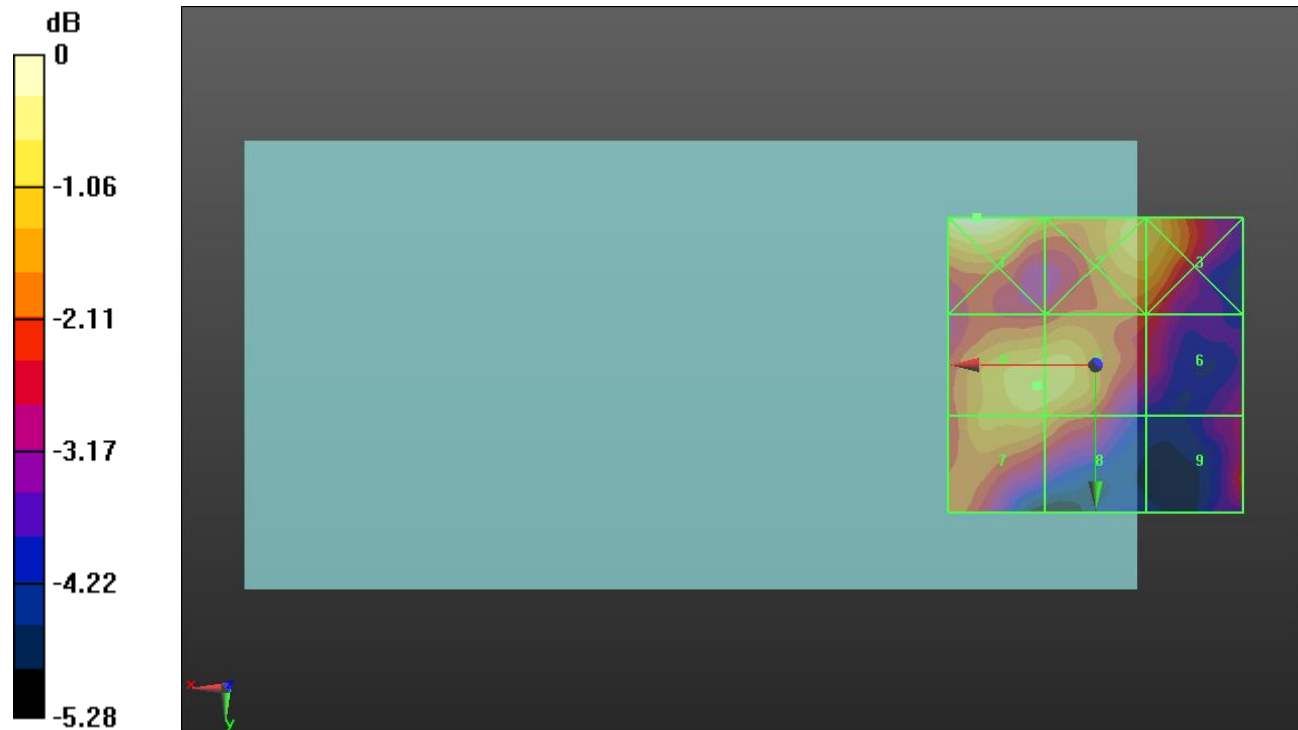
Applied MIF = -3.15 dB

RF audio interference level = 17.60 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 18.38 dBV/m	Grid 2 M4 17.6 dBV/m	Grid 3 M4 17.6 dBV/m
Grid 4 M4 17.6 dBV/m	Grid 5 M4 17.59 dBV/m	Grid 6 M4 16.13 dBV/m
Grid 7 M4 17.27 dBV/m	Grid 8 M4 17.08 dBV/m	Grid 9 M4 16.23 dBV/m



0 dB = 8.295 V/m = 18.38 dBV/m

HAC-RF Emission

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

Phantom section: RF Section

DASY5 Configuration:

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

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

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

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 12.32 V/m; Power Drift = -0.04 dB

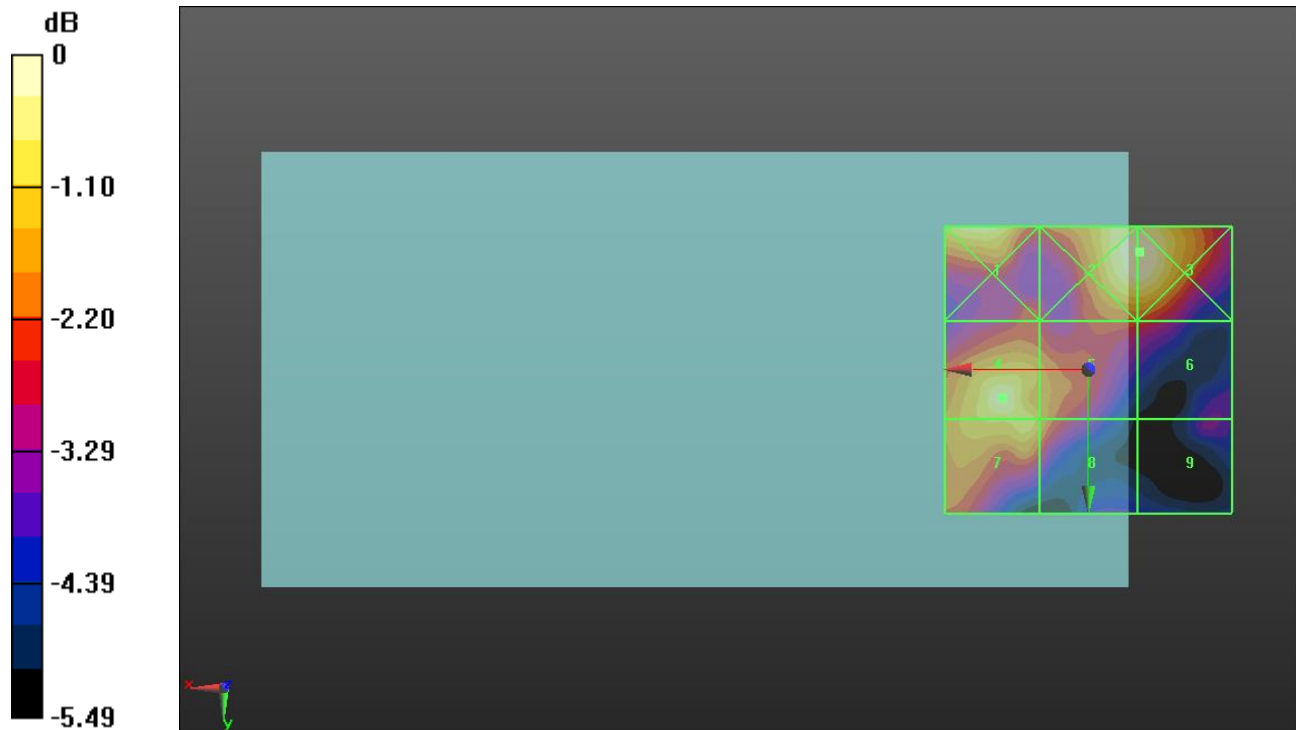
Applied MIF = -3.15 dB

RF audio interference level = 18.21 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 18.06 dBV/m	Grid 2 M4 18.48 dBV/m	Grid 3 M4 18.49 dBV/m
Grid 4 M4 18.21 dBV/m	Grid 5 M4 17.11 dBV/m	Grid 6 M4 16.17 dBV/m
Grid 7 M4 17.7 dBV/m	Grid 8 M4 17.11 dBV/m	Grid 9 M4 14.97 dBV/m



0 dB = 8.401 V/m = 18.49 dBV/m

HAC-RF Emission

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

Phantom section: RF Section

DASY5 Configuration:

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

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

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

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 15.26 V/m; Power Drift = -1.97 dB

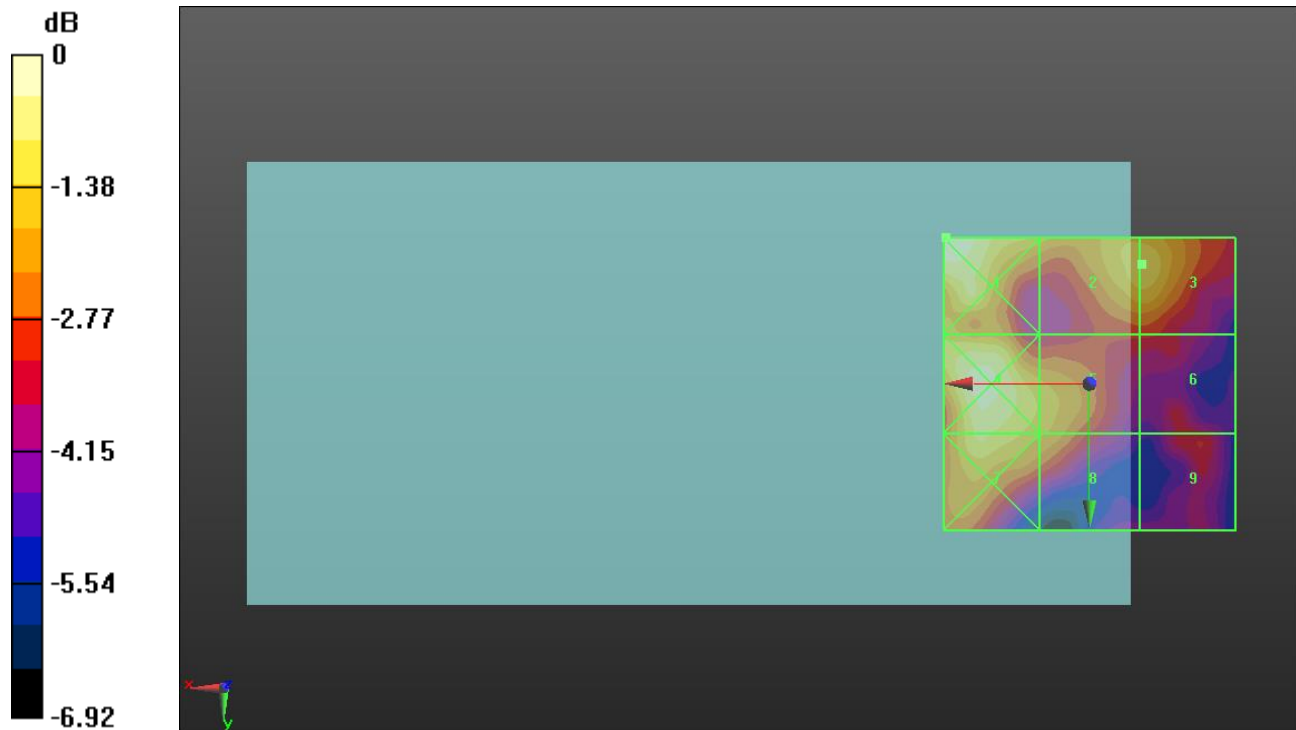
Applied MIF = -3.15 dB

RF audio interference level = 18.16 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 19.14 dBV/m	Grid 2 M4 18.14 dBV/m	Grid 3 M4 18.16 dBV/m
Grid 4 M4 18.98 dBV/m	Grid 5 M4 17.71 dBV/m	Grid 6 M4 16.1 dBV/m
Grid 7 M4 18.34 dBV/m	Grid 8 M4 17.42 dBV/m	Grid 9 M4 15.96 dBV/m



0 dB = 9.062 V/m = 19.14 dBV/m

HAC-RF Emission

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

Phantom section: RF Section

DASY5 Configuration:

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

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

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

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 14.63 V/m; Power Drift = -1.58 dB

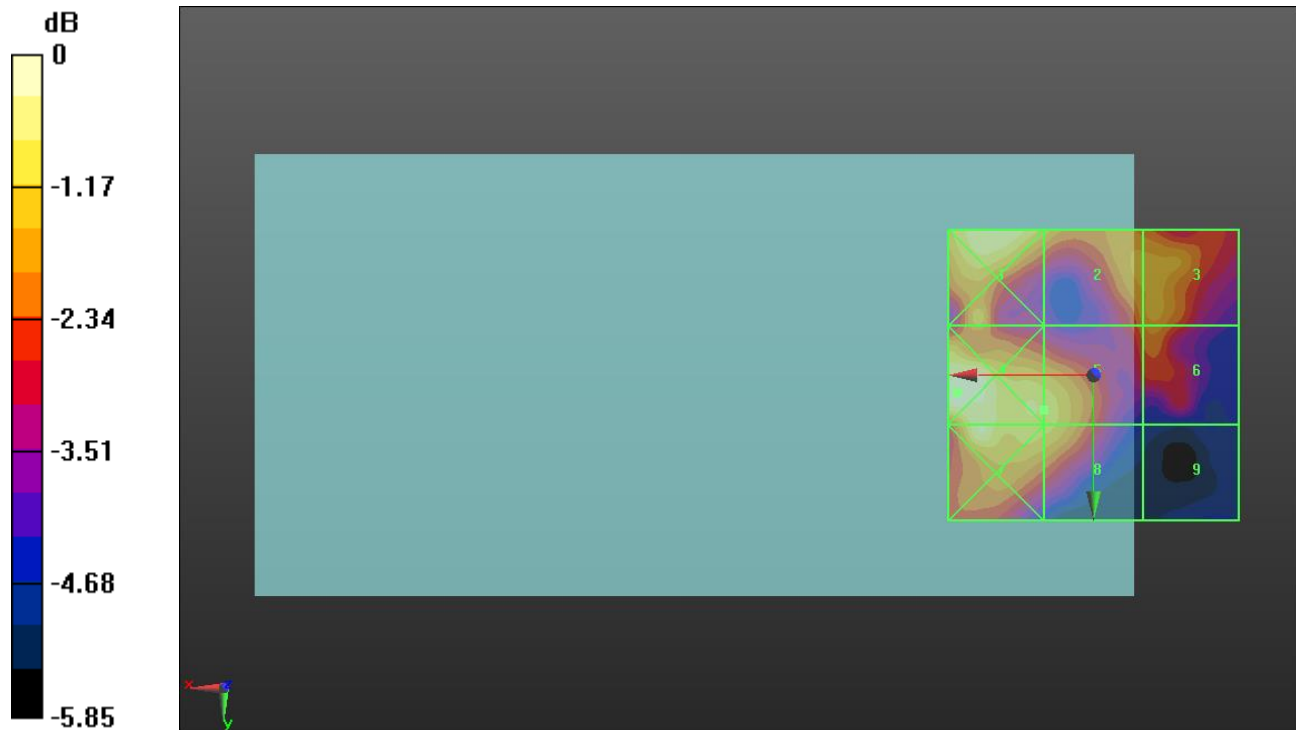
Applied MIF = -3.15 dB

RF audio interference level = 17.88 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 18.41 dBV/m	Grid 2 M4 17.46 dBV/m	Grid 3 M4 17.4 dBV/m
Grid 4 M4 18.75 dBV/m	Grid 5 M4 17.88 dBV/m	Grid 6 M4 17.05 dBV/m
Grid 7 M4 18.41 dBV/m	Grid 8 M4 17.79 dBV/m	Grid 9 M4 14.23 dBV/m



0 dB = 8.660 V/m = 18.75 dBV/m

HAC-RF Emission

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

Phantom section: RF Section

DASY5 Configuration:

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

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

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

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 13.22 V/m; Power Drift = -1.01 dB

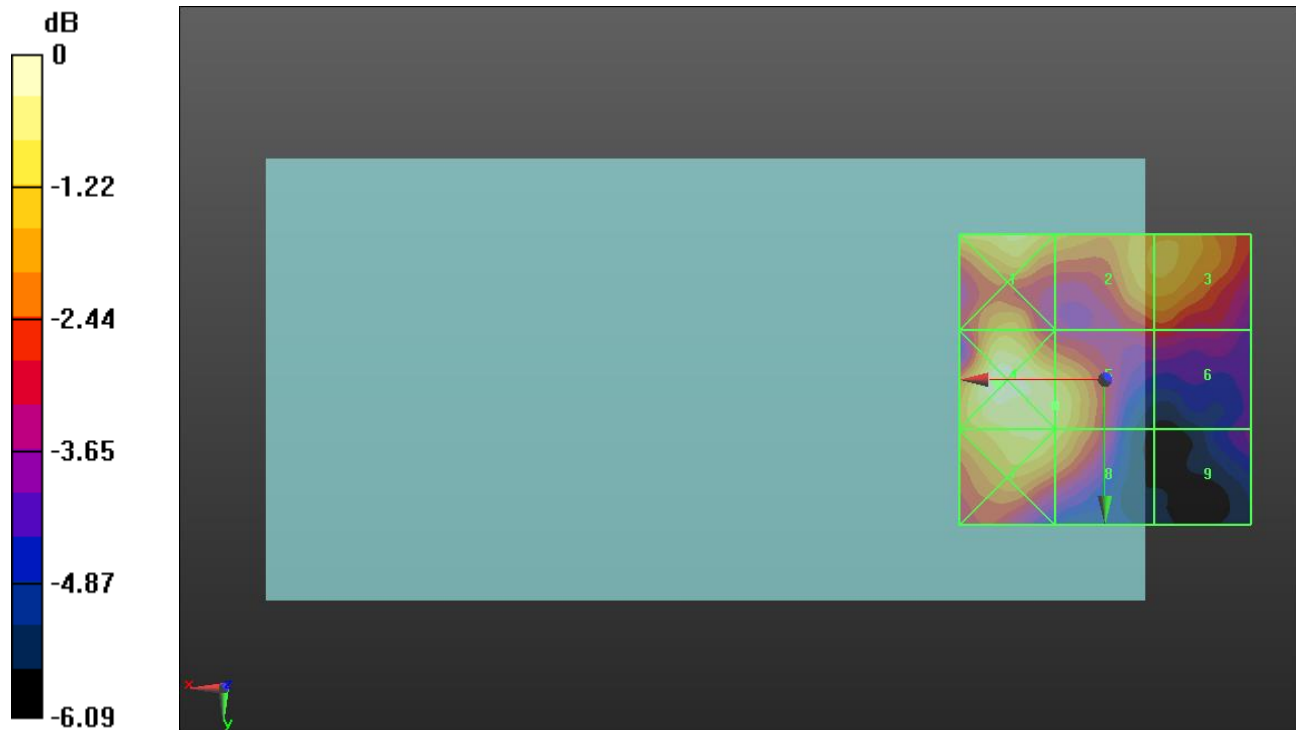
Applied MIF = -3.15 dB

RF audio interference level = 18.28 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 18.36 dBV/m	Grid 2 M4 17.89 dBV/m	Grid 3 M4 17.93 dBV/m
Grid 4 M4 19 dBV/m	Grid 5 M4 18.28 dBV/m	Grid 6 M4 16.2 dBV/m
Grid 7 M4 18.36 dBV/m	Grid 8 M4 18.06 dBV/m	Grid 9 M4 15.1 dBV/m



0 dB = 8.912 V/m = 19.00 dBV/m

HAC-RF Emission

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

Phantom section: RF Section

DASY5 Configuration:

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

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

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

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 12.27 V/m; Power Drift = 0.05 dB

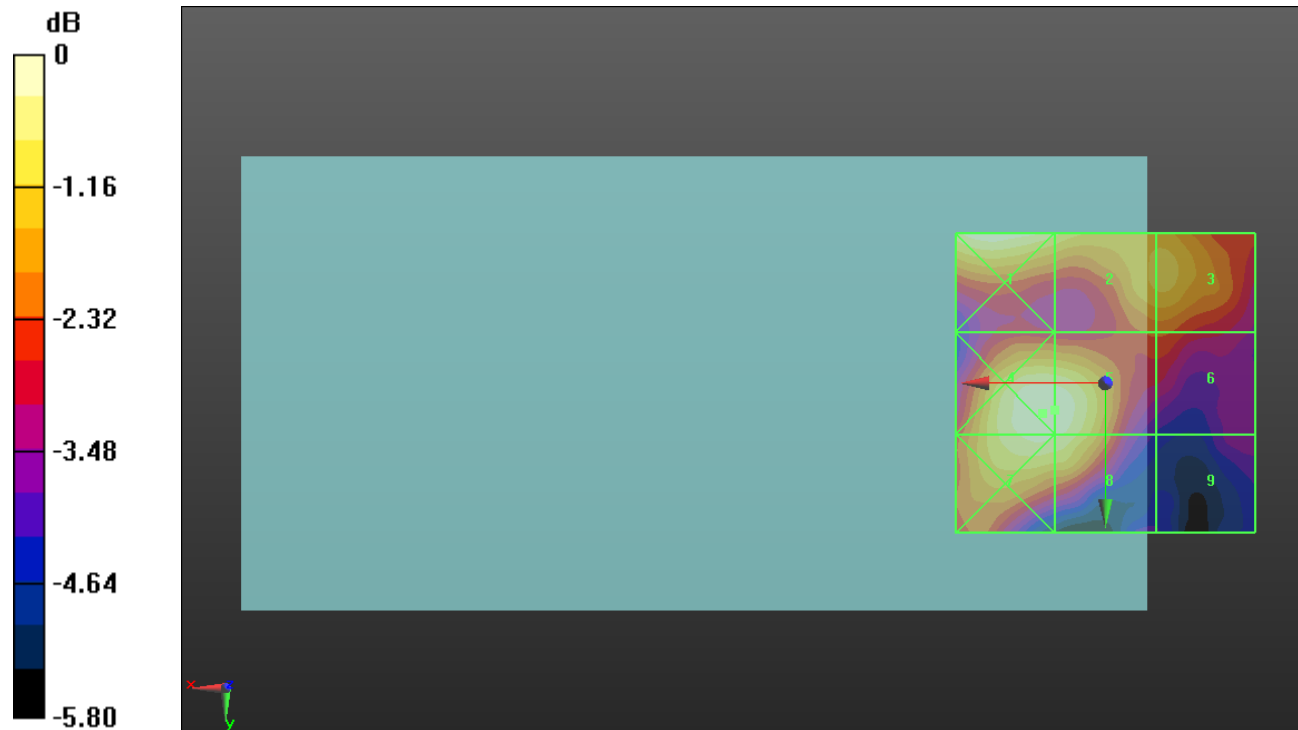
Applied MIF = -3.15 dB

RF audio interference level = 18.21 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 18.24 dBV/m	Grid 2 M4 17.66 dBV/m	Grid 3 M4 17.28 dBV/m
Grid 4 M4 18.27 dBV/m	Grid 5 M4 18.21 dBV/m	Grid 6 M4 16.07 dBV/m
Grid 7 M4 18.05 dBV/m	Grid 8 M4 17.97 dBV/m	Grid 9 M4 14.64 dBV/m



0 dB = 8.191 V/m = 18.27 dBV/m

HAC-RF Emission

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

Phantom section: RF Section

DASY5 Configuration:

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

802.11a E-Field measurement/IEEE 802.11a_OFDM 54 Mbps_ch 104/Hearing Aid Compatibility Test (101x101x1): Interpolated grid: dx=0.5000 mm, dy=0.5000 mm

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 11.47 V/m; Power Drift = 1.00 dB

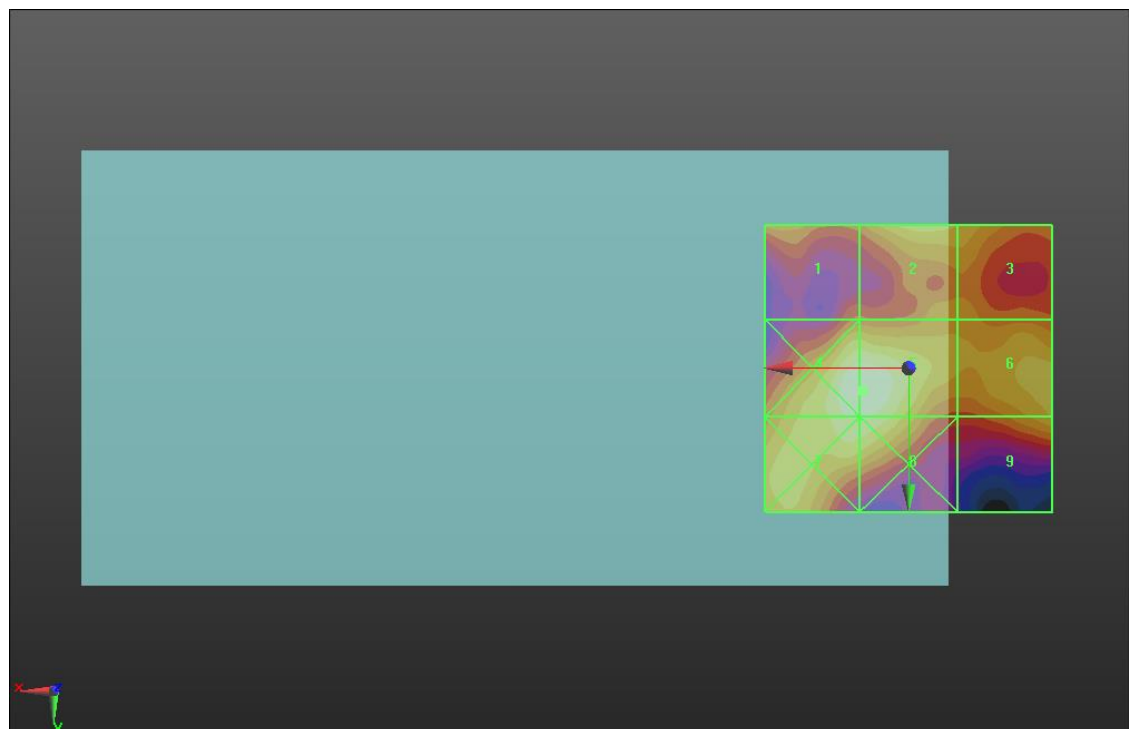
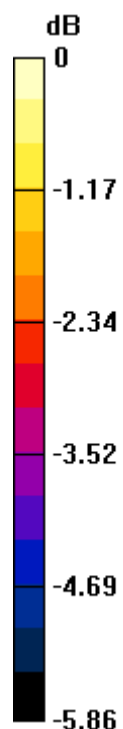
Applied MIF = -3.15 dB

RF audio interference level = 16.98 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 15.35 dBV/m	Grid 2 M4 16.09 dBV/m	Grid 3 M4 15.84 dBV/m
Grid 4 M4 16.98 dBV/m	Grid 5 M4 16.98 dBV/m	Grid 6 M4 16.03 dBV/m
Grid 7 M4 16.65 dBV/m	Grid 8 M4 16.65 dBV/m	Grid 9 M4 15.83 dBV/m



0 dB = 7.065 V/m = 16.98 dBV/m

HAC-RF Emission

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

Phantom section: RF Section

DASY5 Configuration:

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

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

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

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 9.173 V/m; Power Drift = -1.00 dB

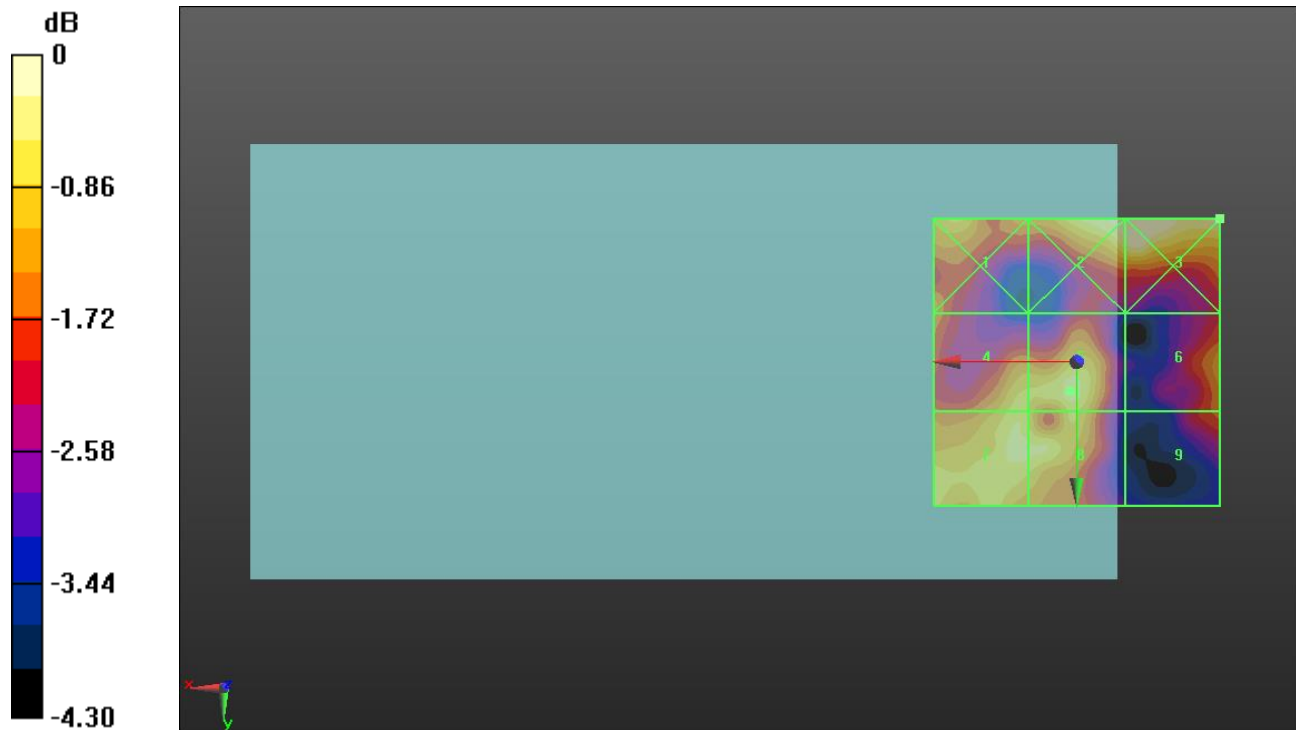
Applied MIF = -3.15 dB

RF audio interference level = 14.51 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 14.12 dBV/m	Grid 2 M4 14.77 dBV/m	Grid 3 M4 14.9 dBV/m
Grid 4 M4 14.18 dBV/m	Grid 5 M4 14.51 dBV/m	Grid 6 M4 13.7 dBV/m
Grid 7 M4 14.47 dBV/m	Grid 8 M4 14.41 dBV/m	Grid 9 M4 13.38 dBV/m



0 dB = 5.556 V/m = 14.90 dBV/m

HAC-RF Emission

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

Phantom section: RF Section

DASY5 Configuration:

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

802.11a E-Field measurement/IEEE 802.11a_OFDM 54 Mbps_ch 144 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 = 10.90 V/m; Power Drift = -2.68 dB

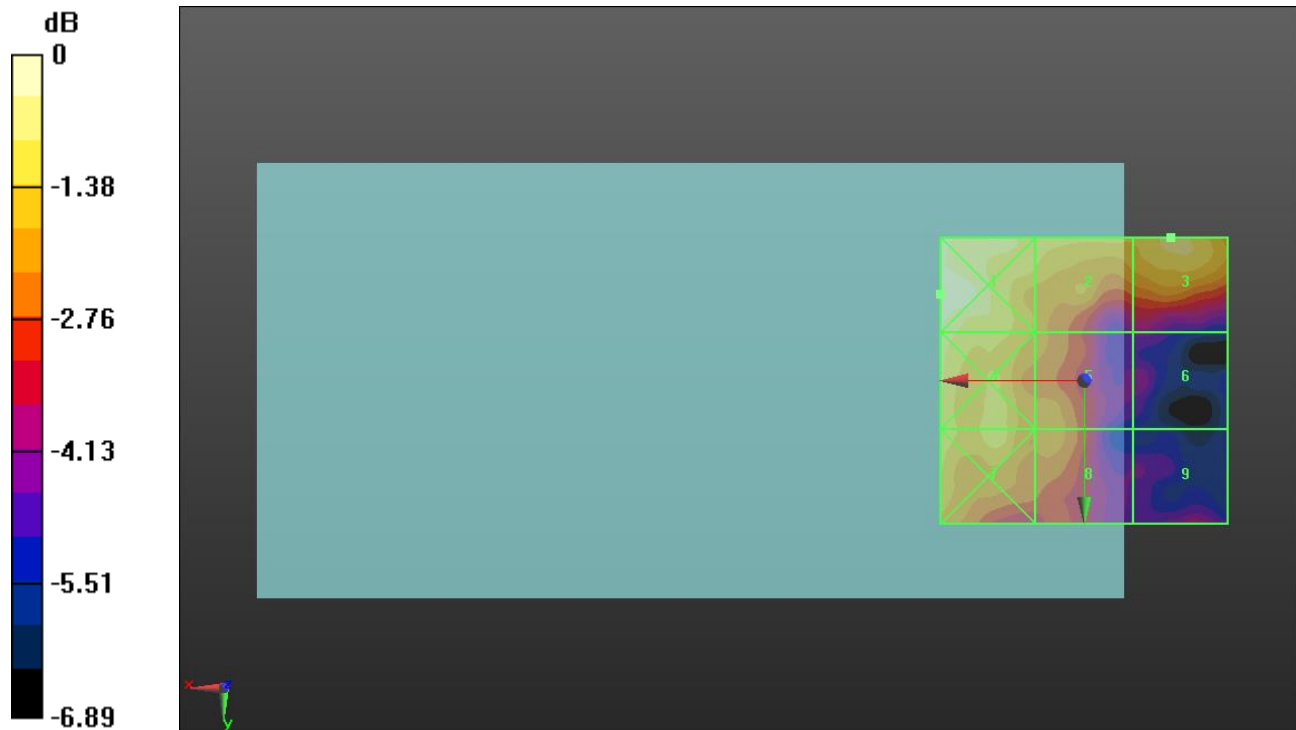
Applied MIF = -3.15 dB

RF audio interference level = 14.12 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 14.88 dBV/m	Grid 2 M4 13.77 dBV/m	Grid 3 M4 14.12 dBV/m
Grid 4 M4 14.4 dBV/m	Grid 5 M4 12.93 dBV/m	Grid 6 M4 10.71 dBV/m
Grid 7 M4 13.93 dBV/m	Grid 8 M4 12.93 dBV/m	Grid 9 M4 11.25 dBV/m



0 dB = 5.545 V/m = 14.88 dBV/m

HAC-RF Emission

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

Phantom section: RF Section

DASY5 Configuration:

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

802.11a E-Field measurement/IEEE 802.11a_OFDM 54 Mbps_ch 149/Hearing Aid Compatibility Test (101x101x1): Interpolated grid: dx=0.5000 mm, dy=0.5000 mm

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 8.249 V/m; Power Drift = -0.34 dB

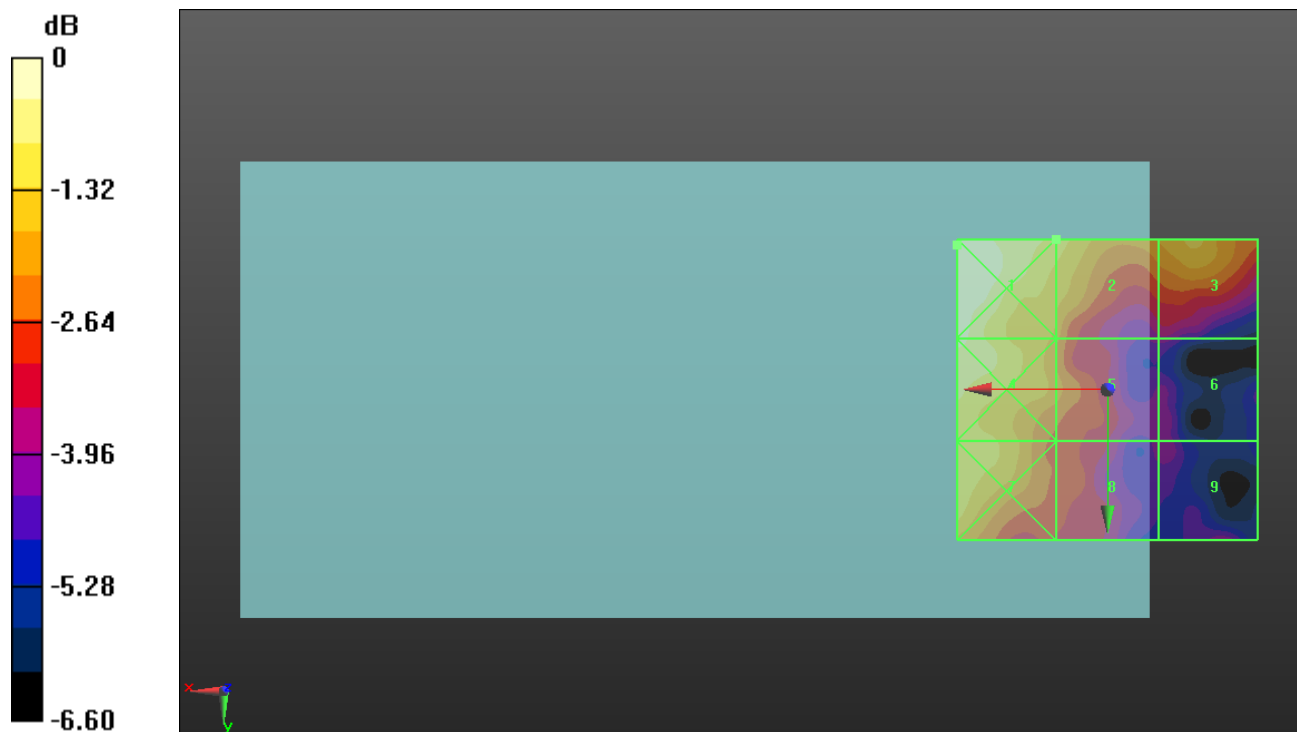
Applied MIF = -3.15 dB

RF audio interference level = 14.48 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 15.52 dBV/m	Grid 2 M4 14.48 dBV/m	Grid 3 M4 14.31 dBV/m
Grid 4 M4 15.31 dBV/m	Grid 5 M4 13.54 dBV/m	Grid 6 M4 11.58 dBV/m
Grid 7 M4 14.64 dBV/m	Grid 8 M4 12.84 dBV/m	Grid 9 M4 11.57 dBV/m



0 dB = 5.972 V/m = 15.52 dBV/m

HAC-RF Emission

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

Phantom section: RF Section

DASY5 Configuration:

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

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

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

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 8.873 V/m; Power Drift = 0.12 dB

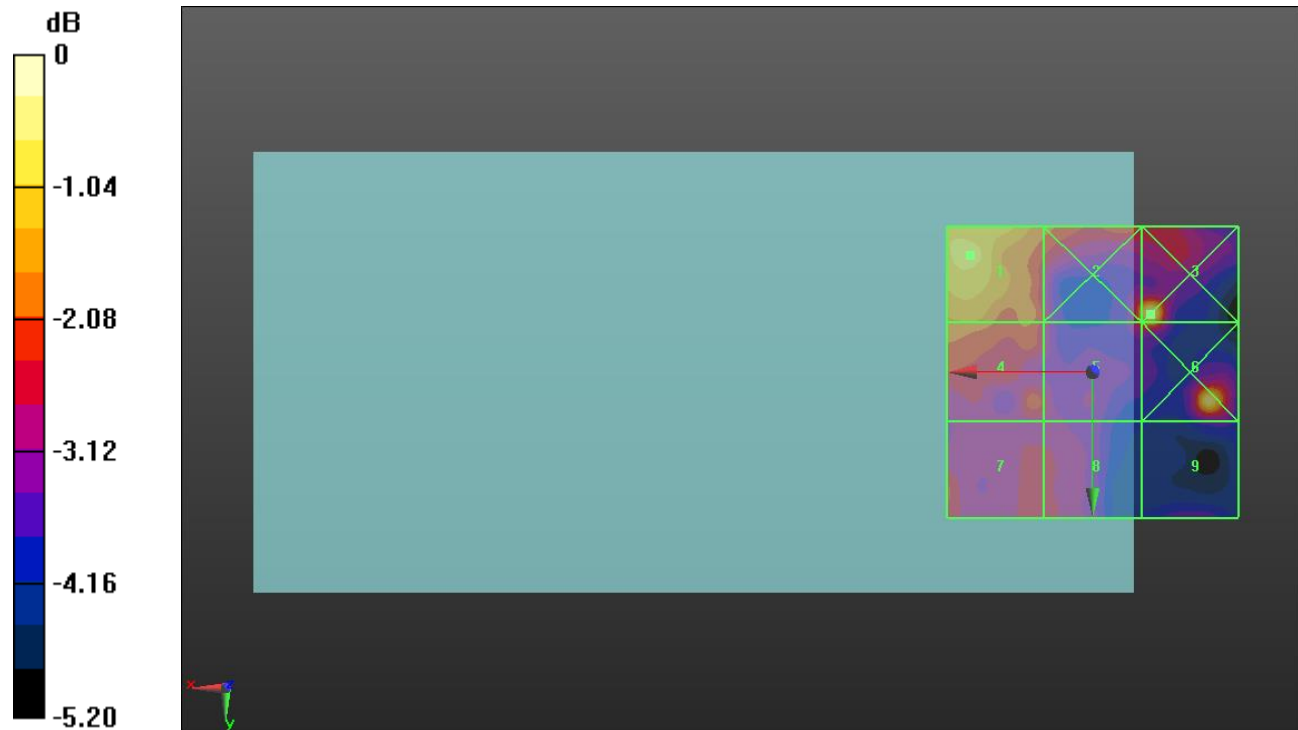
Applied MIF = -3.15 dB

RF audio interference level = 15.18 dBV/m

Emission category: **M4**

MIF scaled E-field

Grid 1 M4 15.18 dBV/m	Grid 2 M4 15.01 dBV/m	Grid 3 M4 16.11 dBV/m
Grid 4 M4 14.35 dBV/m	Grid 5 M4 14.22 dBV/m	Grid 6 M4 15.66 dBV/m
Grid 7 M4 13.81 dBV/m	Grid 8 M4 13.62 dBV/m	Grid 9 M4 12.68 dBV/m



0 dB = 6.390 V/m = 16.11 dBV/m

HAC-RF Emission

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

Phantom section: RF Section

DASY5 Configuration:

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

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

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

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 8.631 V/m; Power Drift = -0.06 dB

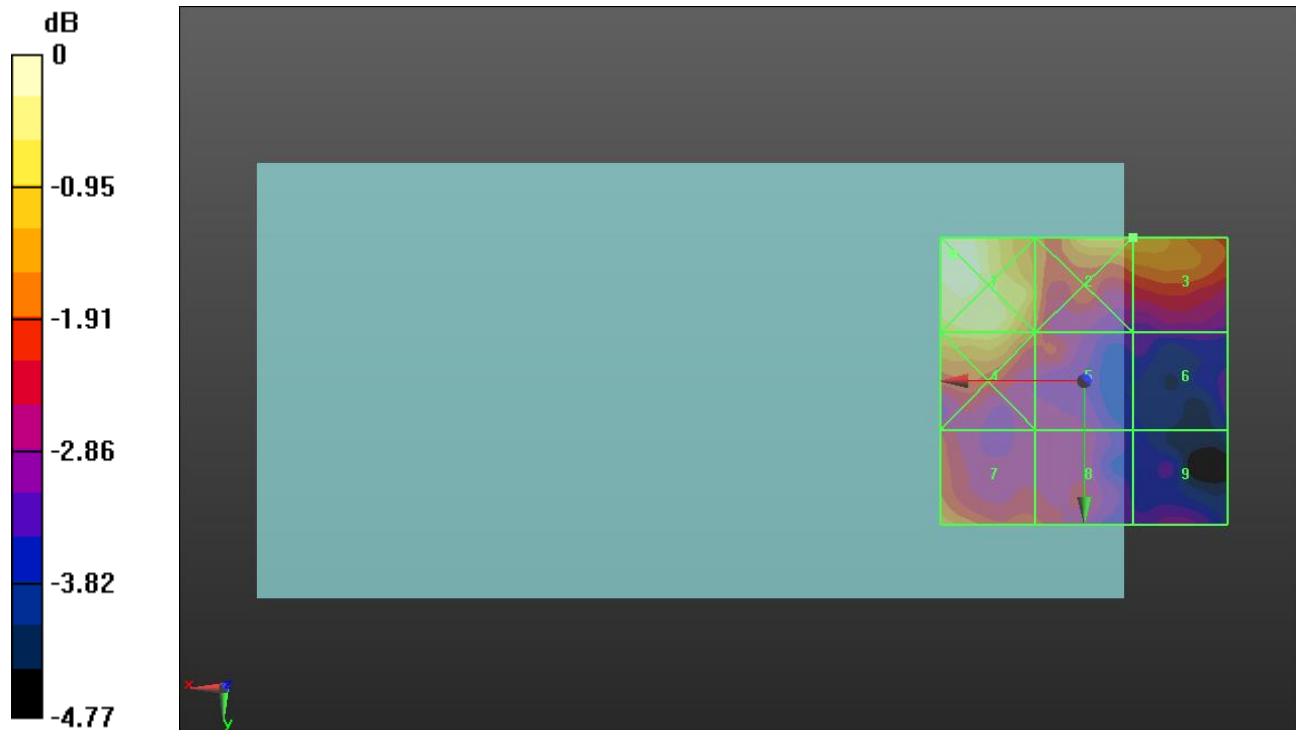
Applied MIF = -3.15 dB

RF audio interference level = 14.75 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 15.63 dBV/m	Grid 2 M4 14.87 dBV/m	Grid 3 M4 14.75 dBV/m
Grid 4 M4 14.94 dBV/m	Grid 5 M4 13.68 dBV/m	Grid 6 M4 12.48 dBV/m
Grid 7 M4 14.34 dBV/m	Grid 8 M4 13.57 dBV/m	Grid 9 M4 12.75 dBV/m



0 dB = 6.046 V/m = 15.63 dBV/m