

HAC-RF Emission ANT 1

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 - SN4028; ConvF(1, 1, 1); Calibrated: 7/24/2017;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1472; Calibrated: 3/8/2018
- 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 = 31.29 V/m; Power Drift = -0.07 dB

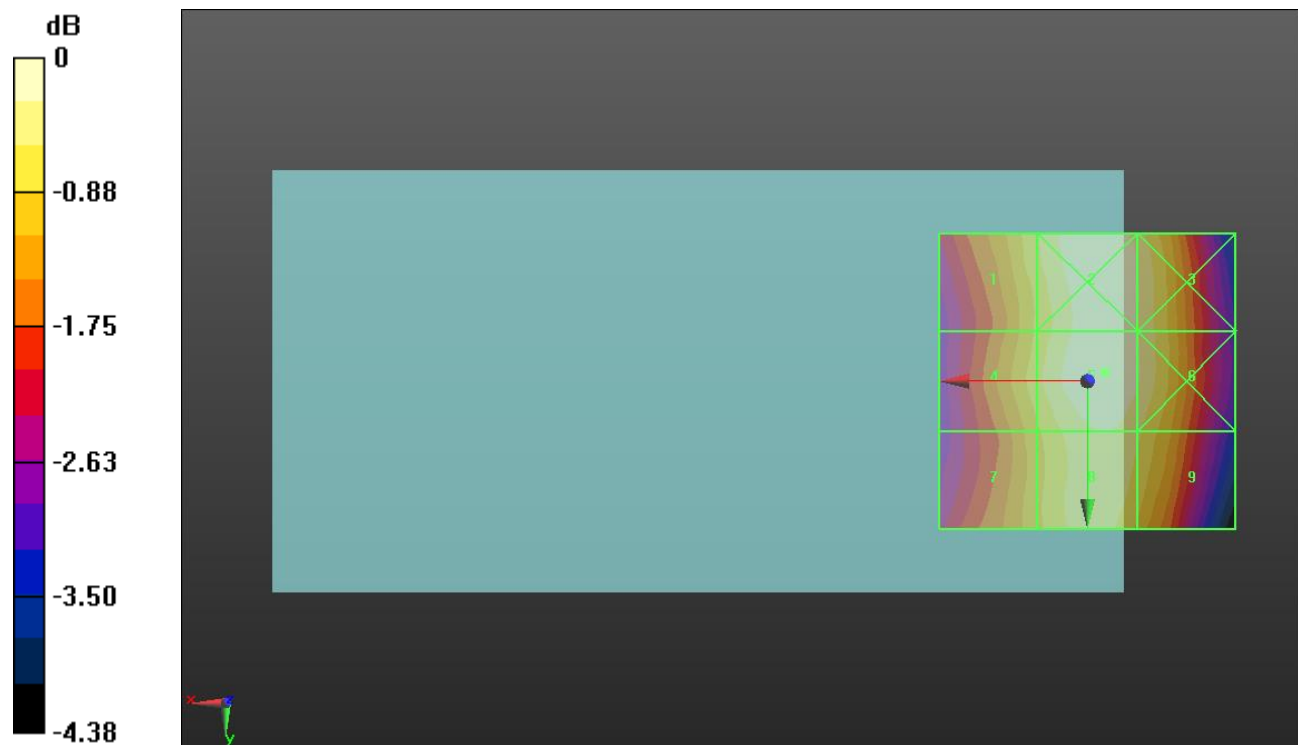
Applied MIF = 3.63 dB

RF audio interference level = 31.29 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 30.67 dBV/m	Grid 2 M4 31.27 dBV/m	Grid 3 M4 31.02 dBV/m
Grid 4 M4 30.61 dBV/m	Grid 5 M4 31.29 dBV/m	Grid 6 M4 31.03 dBV/m
Grid 7 M4 30.36 dBV/m	Grid 8 M4 31 dBV/m	Grid 9 M4 30.76 dBV/m



0 dB = 36.67 V/m = 31.29 dBV/m

HAC-RF Emission ANT 1

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 - SN4028; ConvF(1, 1, 1); Calibrated: 7/24/2017;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1472; Calibrated: 3/8/2018
- 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 = 34.03 V/m; Power Drift = -0.06 dB

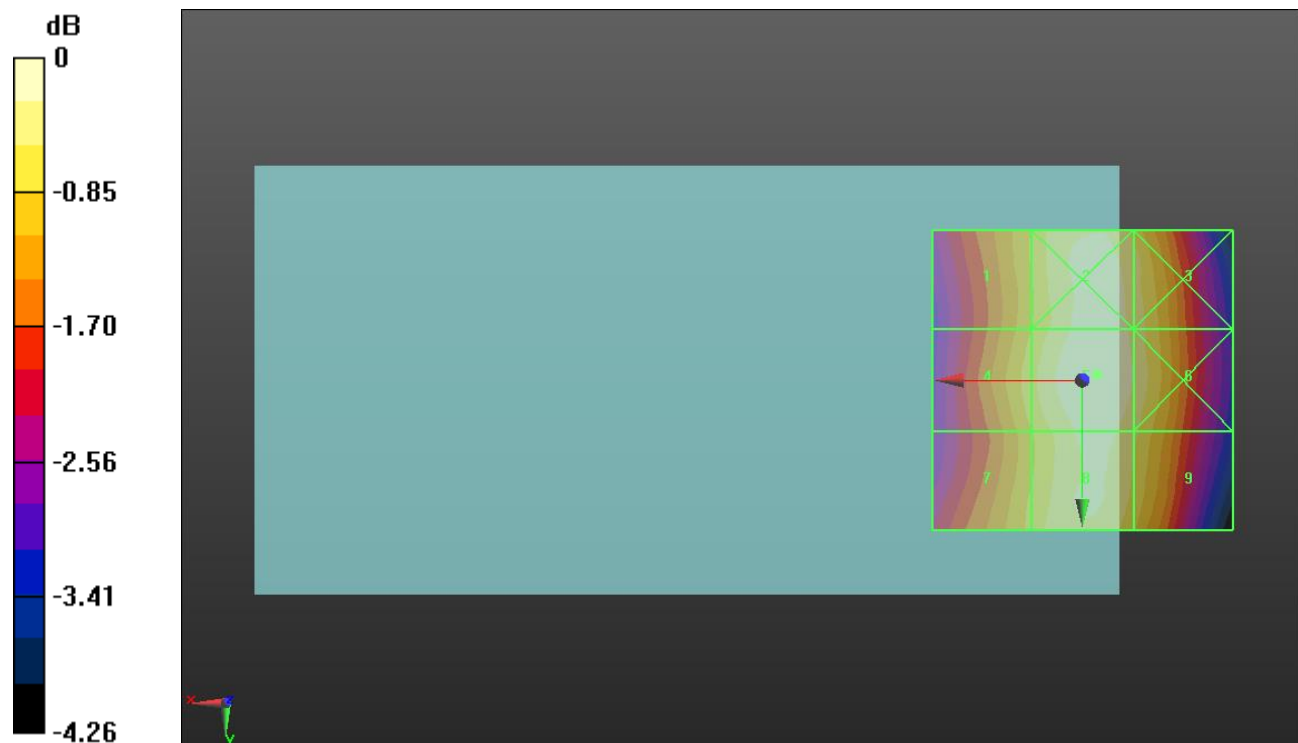
Applied MIF = 3.63 dB

RF audio interference level = 32.00 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 31.18 dBV/m	Grid 2 M4 31.89 dBV/m	Grid 3 M4 31.65 dBV/m
Grid 4 M4 31.34 dBV/m	Grid 5 M4 32 dBV/m	Grid 6 M4 31.71 dBV/m
Grid 7 M4 31.25 dBV/m	Grid 8 M4 31.81 dBV/m	Grid 9 M4 31.52 dBV/m



0 dB = 39.81 V/m = 32.00 dBV/m

HAC-RF Emission ANT 1

Communication System: UID 10021 - DAC, GSM-FDD (TDMA, GMSK); Frequency: 848.6 MHz; Duty Cycle: 1:8.6896

Phantom section: RF Section

DASY5 Configuration:

- Probe: EF3DV3 - SN4028; ConvF(1, 1, 1); Calibrated: 7/24/2017;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1472; Calibrated: 3/8/2018
- 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 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 = 36.38 V/m; Power Drift = 0.04 dB

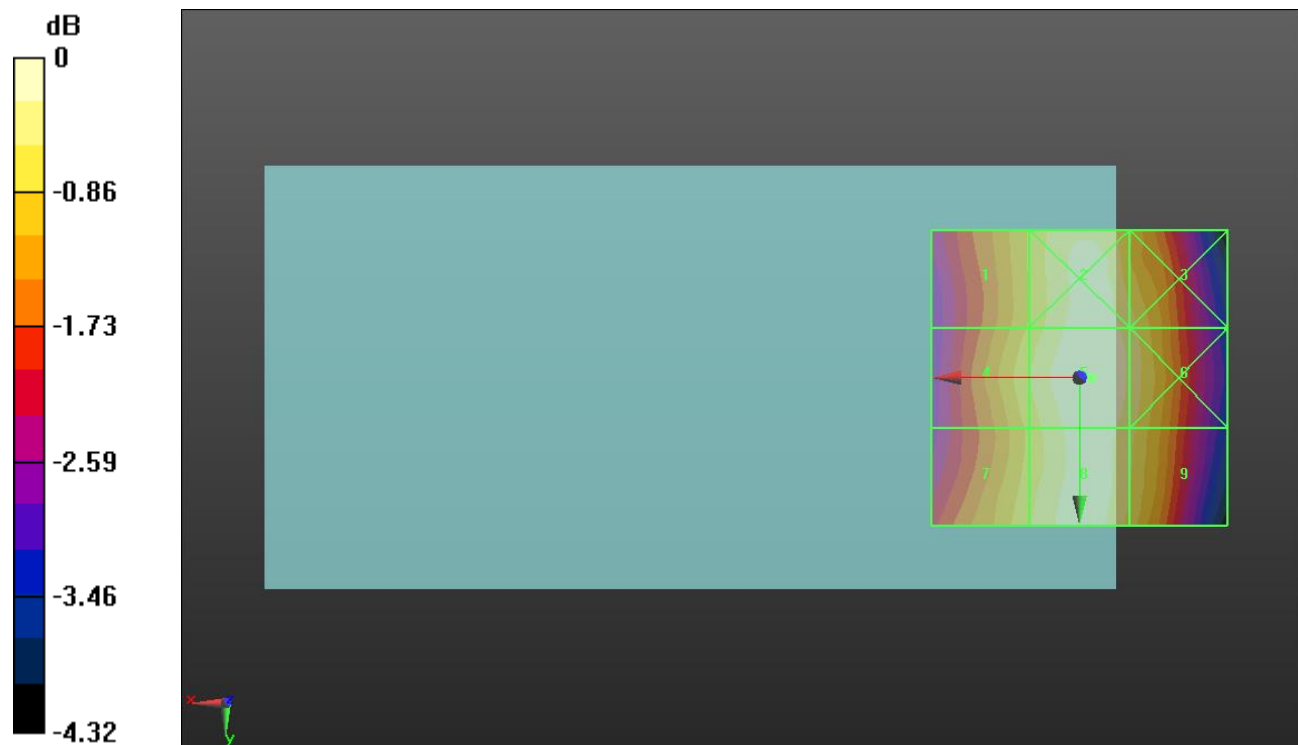
Applied MIF = 3.63 dB

RF audio interference level = 32.63 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 31.81 dBV/m	Grid 2 M4 32.51 dBV/m	Grid 3 M4 32.19 dBV/m
Grid 4 M4 32.04 dBV/m	Grid 5 M4 32.63 dBV/m	Grid 6 M4 32.28 dBV/m
Grid 7 M4 32.03 dBV/m	Grid 8 M4 32.51 dBV/m	Grid 9 M4 32.15 dBV/m



0 dB = 42.79 V/m = 32.63 dBV/m

HAC-RF Emission ANT 1

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 - SN4028; ConvF(1, 1, 1); Calibrated: 7/24/2017;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1472; Calibrated: 3/8/2018
- 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 = 16.59 V/m; Power Drift = 0.01 dB

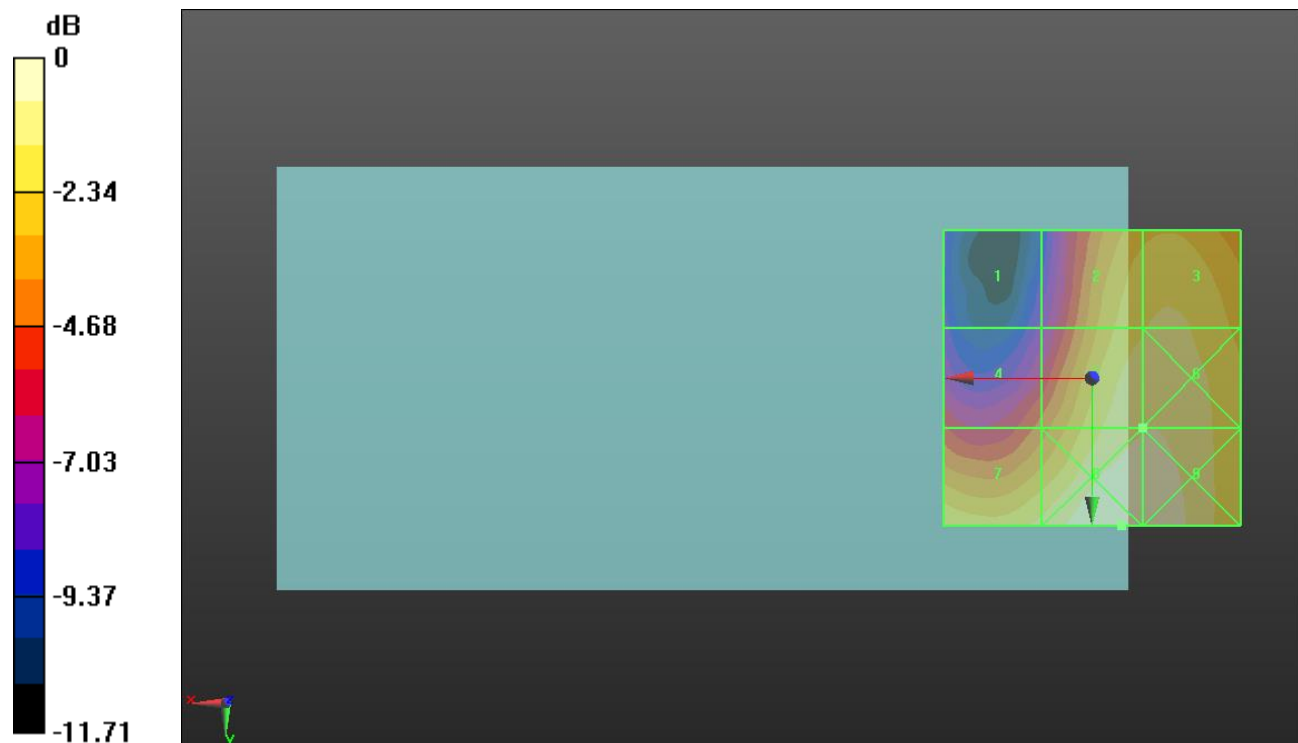
Applied MIF = 3.63 dB

RF audio interference level = 27.91 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 21.28 dBV/m	Grid 2 M4 27.11 dBV/m	Grid 3 M4 27.3 dBV/m
Grid 4 M4 24.44 dBV/m	Grid 5 M4 27.91 dBV/m	Grid 6 M4 27.94 dBV/m
Grid 7 M4 27.44 dBV/m	Grid 8 M4 28.72 dBV/m	Grid 9 M4 28.57 dBV/m



0 dB = 27.29 V/m = 28.72 dBV/m

HAC-RF Emission ANT 1

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 - SN4028; ConvF(1, 1, 1); Calibrated: 7/24/2017;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1472; Calibrated: 3/8/2018
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

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

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

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 15.38 V/m; Power Drift = 0.04 dB

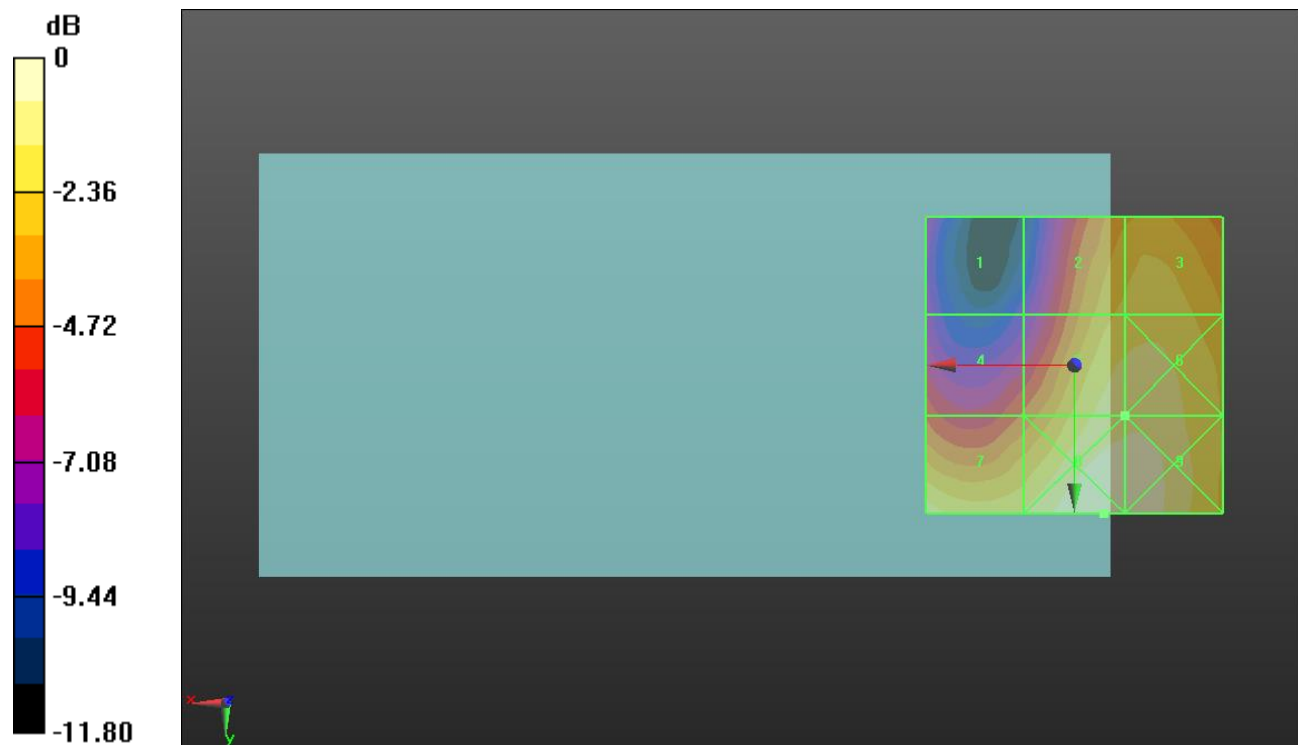
Applied MIF = 3.63 dB

RF audio interference level = 27.40 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 21.47 dBV/m	Grid 2 M4 26.27 dBV/m	Grid 3 M4 26.57 dBV/m
Grid 4 M4 23.89 dBV/m	Grid 5 M4 27.4 dBV/m	Grid 6 M4 27.47 dBV/m
Grid 7 M4 27.35 dBV/m	Grid 8 M4 28.39 dBV/m	Grid 9 M4 28.26 dBV/m



0 dB = 26.28 V/m = 28.39 dBV/m

HAC-RF Emission ANT 1

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 - SN4028; ConvF(1, 1, 1); Calibrated: 7/24/2017;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1472; Calibrated: 3/8/2018
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

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

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

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 14.10 V/m; Power Drift = -0.13 dB

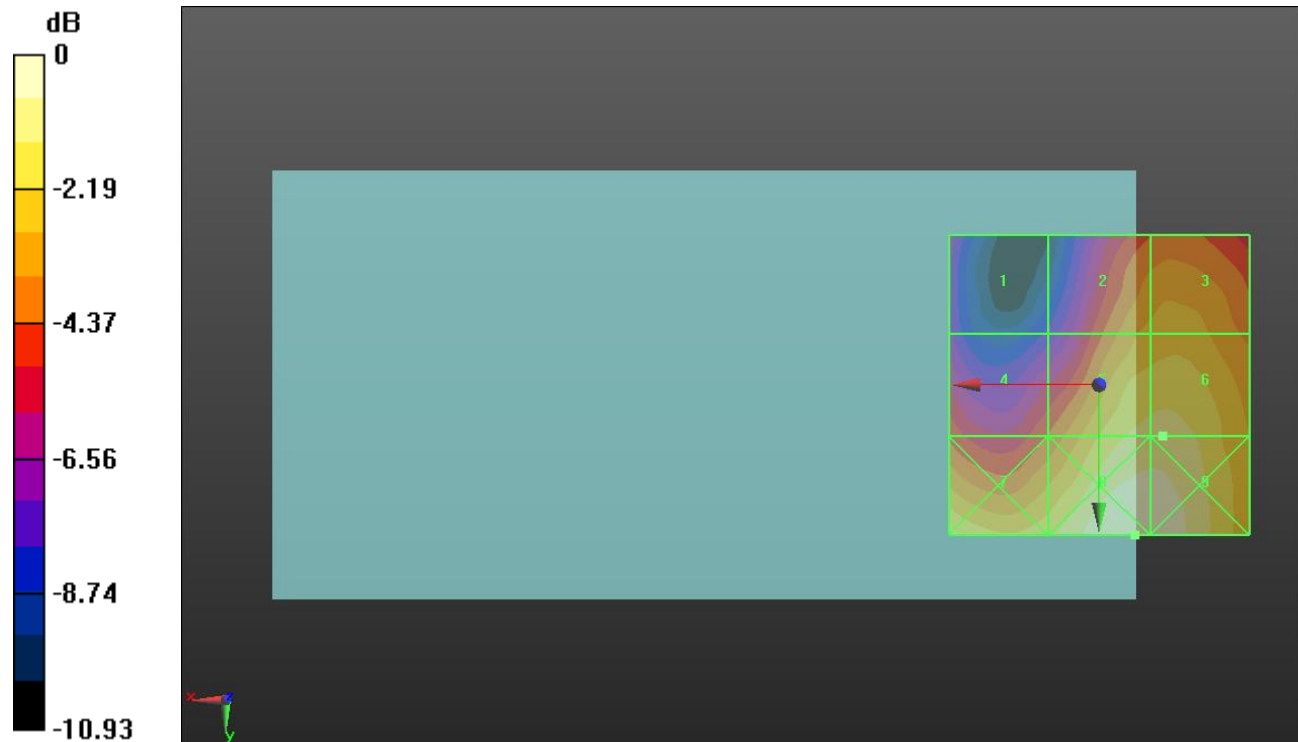
Applied MIF = 3.63 dB

RF audio interference level = 26.80 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 21.43 dBV/m	Grid 2 M4 25.29 dBV/m	Grid 3 M4 25.56 dBV/m
Grid 4 M4 23.66 dBV/m	Grid 5 M4 26.78 dBV/m	Grid 6 M4 26.8 dBV/m
Grid 7 M4 26.89 dBV/m	Grid 8 M4 27.97 dBV/m	Grid 9 M4 27.92 dBV/m



0 dB = 25.03 V/m = 27.97 dBV/m

HAC-RF Emission ANT 1

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 - SN4028; ConvF(1, 1, 1); Calibrated: 7/24/2017;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1472; Calibrated: 3/8/2018
- 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 = 49.55 V/m; Power Drift = -0.02 dB

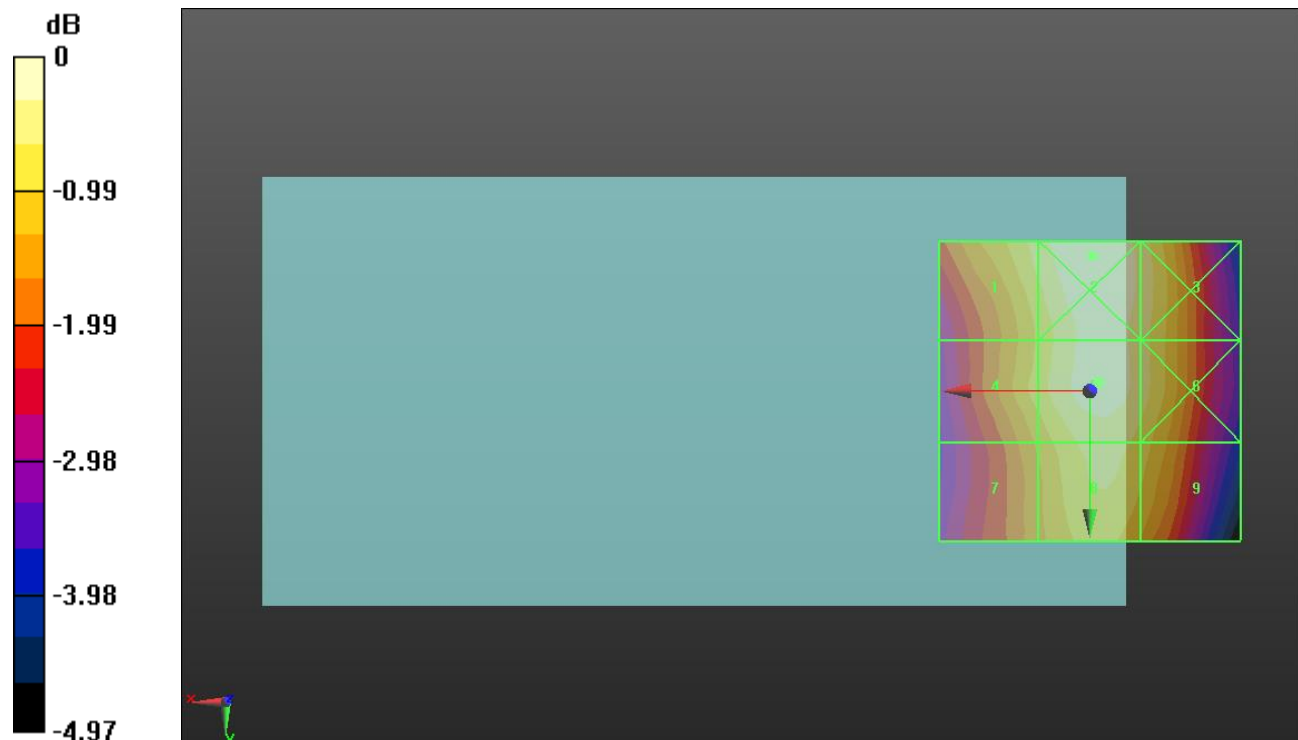
Applied MIF = 3.26 dB

RF audio interference level = 34.44 dBV/m

Emission category: **M4**

MIF scaled E-field

Grid 1 M4 34.08 dBV/m	Grid 2 M4 34.58 dBV/m	Grid 3 M4 34.19 dBV/m
Grid 4 M4 33.78 dBV/m	Grid 5 M4 34.44 dBV/m	Grid 6 M4 34.1 dBV/m
Grid 7 M4 33.35 dBV/m	Grid 8 M4 34.07 dBV/m	Grid 9 M4 33.79 dBV/m



0 dB = 53.58 V/m = 34.58 dBV/m

HAC-RF Emission ANT 1

Communication System: UID 10295 - AAB, CDMA2000, RC1, SO3, 1/8th Rate 25 fr.; Frequency: 831.99 MHz; Duty Cycle: 1:17.7419

Phantom section: RF Section

DASY5 Configuration:

- Probe: EF3DV3 - SN4028; ConvF(1, 1, 1); Calibrated: 7/24/2017;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1472; Calibrated: 3/8/2018
- 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 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 = 53.47 V/m; Power Drift = -0.12 dB

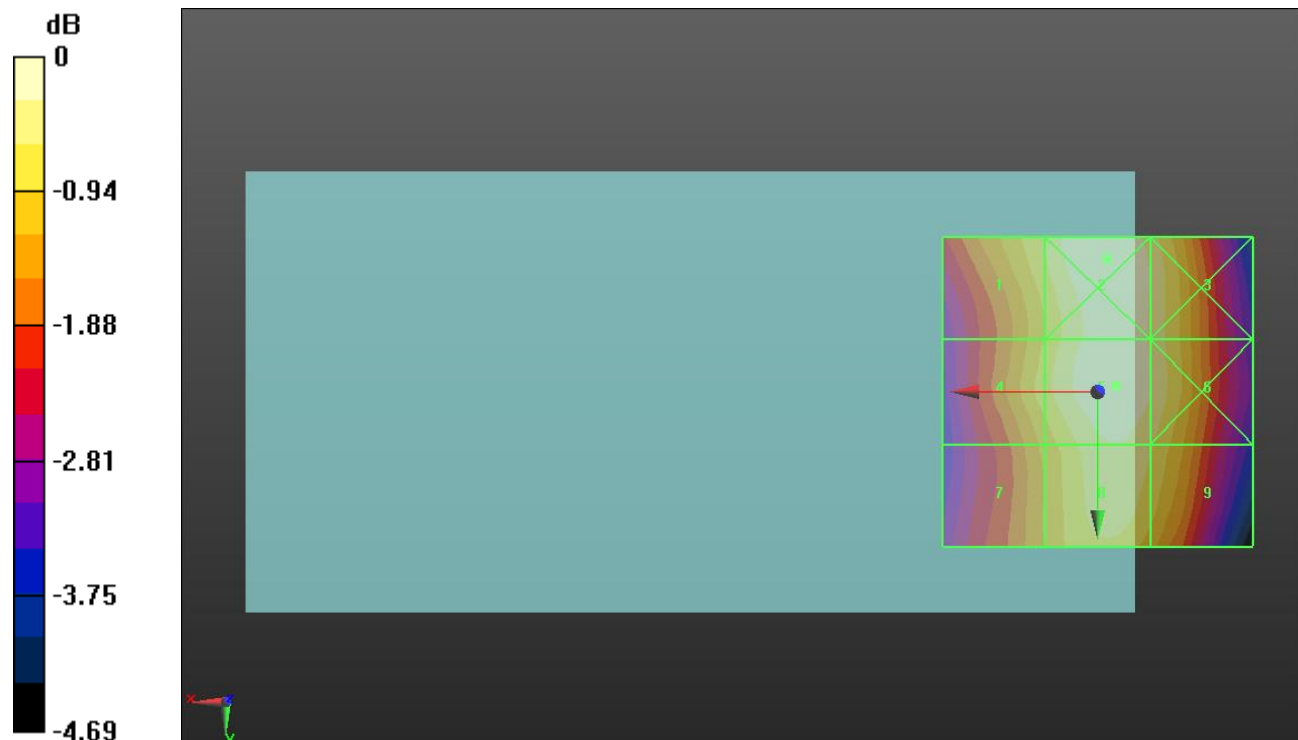
Applied MIF = 3.26 dB

RF audio interference level = 35.05 dBV/m

Emission category: **M4**

MIF scaled E-field

Grid 1 M4 34.48 dBV/m	Grid 2 M4 35.06 dBV/m	Grid 3 M4 34.73 dBV/m
Grid 4 M4 34.33 dBV/m	Grid 5 M4 35.05 dBV/m	Grid 6 M4 34.76 dBV/m
Grid 7 M4 33.93 dBV/m	Grid 8 M4 34.74 dBV/m	Grid 9 M4 34.49 dBV/m



0 dB = 56.61 V/m = 35.06 dBV/m

HAC-RF Emission ANT 1

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 - SN4028; ConvF(1, 1, 1); Calibrated: 7/24/2017;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1472; Calibrated: 3/8/2018
- 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 = 55.26 V/m; Power Drift = -0.14 dB

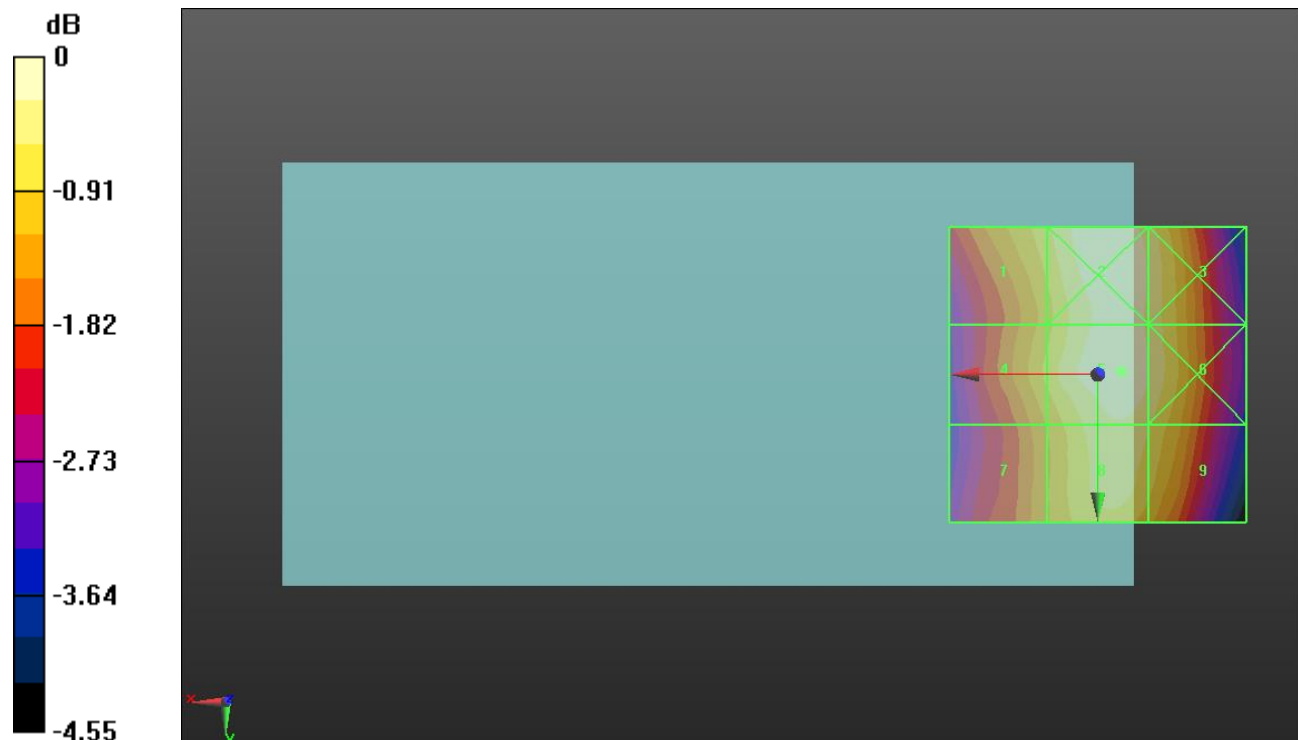
Applied MIF = 3.26 dB

RF audio interference level = 35.36 dBV/m

Emission category: **M4**

MIF scaled E-field

Grid 1 M4 34.69 dBV/m	Grid 2 M4 35.34 dBV/m	Grid 3 M4 35.03 dBV/m
Grid 4 M4 34.54 dBV/m	Grid 5 M4 35.36 dBV/m	Grid 6 M4 35.08 dBV/m
Grid 7 M4 34.19 dBV/m	Grid 8 M4 35.03 dBV/m	Grid 9 M4 34.8 dBV/m



0 dB = 58.62 V/m = 35.36 dBV/m

HAC-RF Emission ANT 1

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 - SN4028; ConvF(1, 1, 1); Calibrated: 7/24/2017;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1472; Calibrated: 3/8/2018
- 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 = 25.99 V/m; Power Drift = -0.09 dB

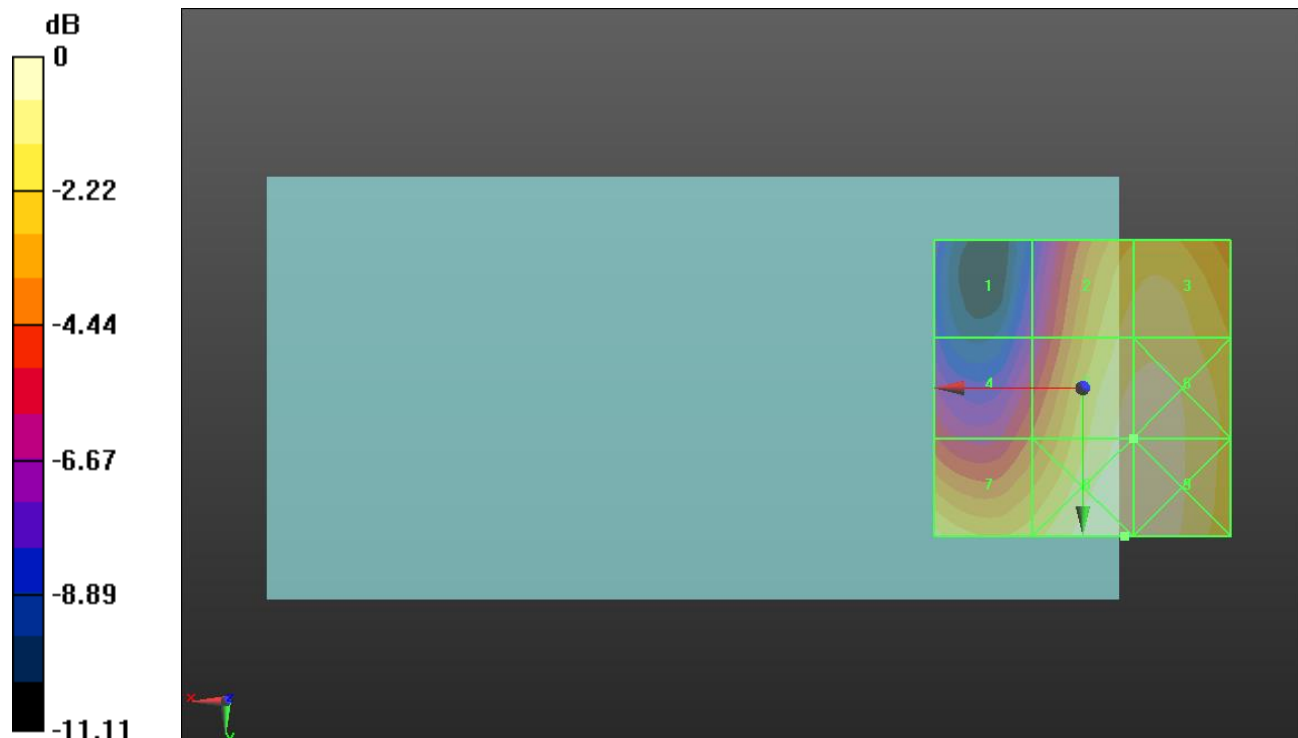
Applied MIF = 3.26 dB

RF audio interference level = 30.91 dBV/m

Emission category: **M3**

MIF scaled E-field

Grid 1 M4 24.59 dBV/m	Grid 2 M3 30.22 dBV/m	Grid 3 M3 30.42 dBV/m
Grid 4 M4 27.06 dBV/m	Grid 5 M3 30.91 dBV/m	Grid 6 M3 31 dBV/m
Grid 7 M3 30.2 dBV/m	Grid 8 M3 31.34 dBV/m	Grid 9 M3 31.31 dBV/m



0 dB = 36.89 V/m = 31.34 dBV/m

HAC-RF Emission ANT 1

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 - SN4028; ConvF(1, 1, 1); Calibrated: 7/24/2017;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1472; Calibrated: 3/8/2018
- 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 = 23.39 V/m; Power Drift = -0.01 dB

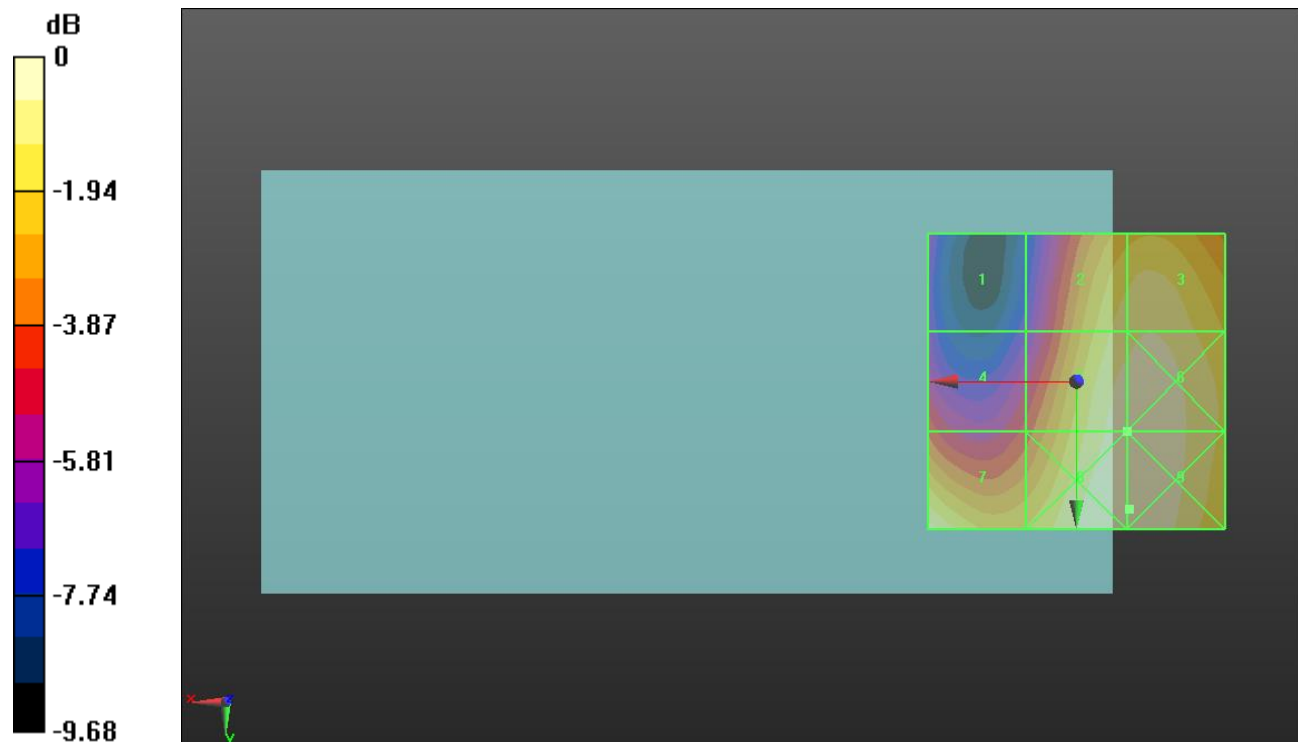
Applied MIF = 3.26 dB

RF audio interference level = 30.40 dBV/m

Emission category: **M3**

MIF scaled E-field

Grid 1 M4 24.67 dBV/m	Grid 2 M4 29.73 dBV/m	Grid 3 M4 29.97 dBV/m
Grid 4 M4 26.67 dBV/m	Grid 5 M3 30.4 dBV/m	Grid 6 M3 30.51 dBV/m
Grid 7 M3 30.33 dBV/m	Grid 8 M3 30.62 dBV/m	Grid 9 M3 30.62 dBV/m



0 dB = 33.96 V/m = 30.62 dBV/m

HAC-RF Emission ANT 1

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 - SN4028; ConvF(1, 1, 1); Calibrated: 7/24/2017;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1472; Calibrated: 3/8/2018
- 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 = 19.65 V/m; Power Drift = 0.02 dB

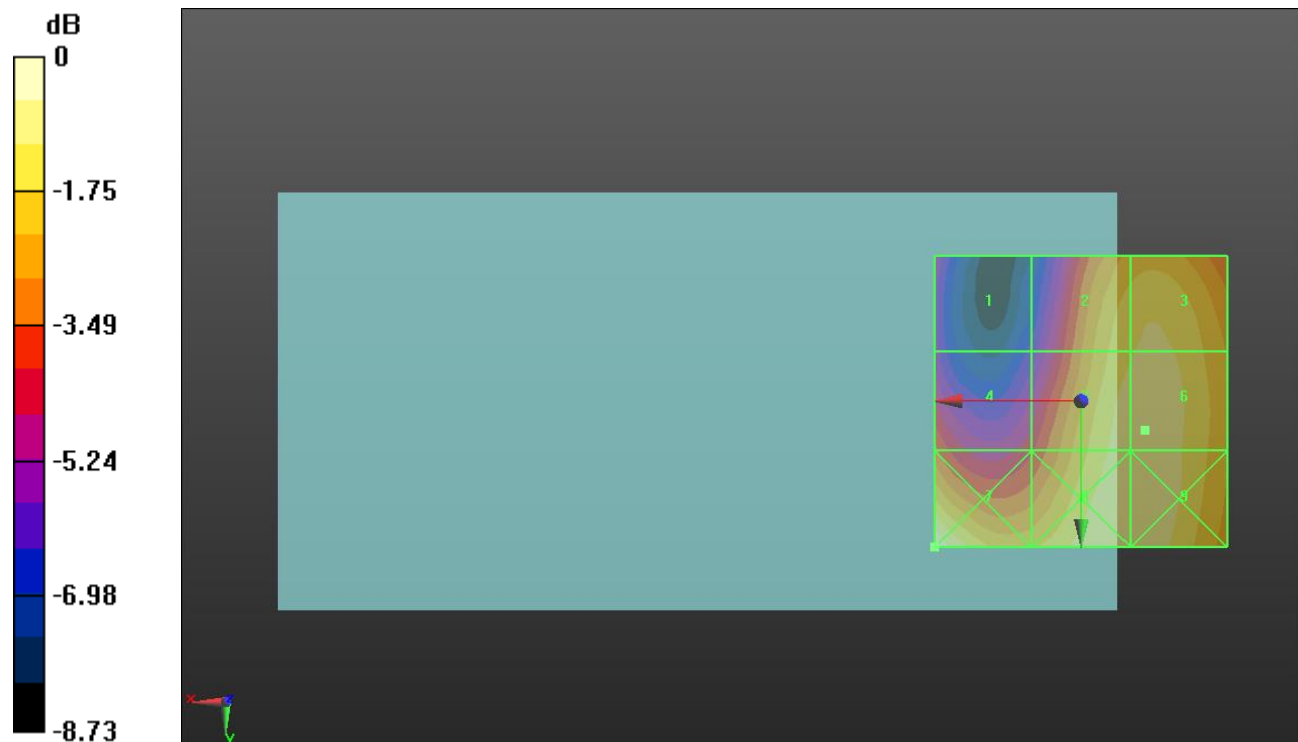
Applied MIF = 3.26 dB

RF audio interference level = 28.90 dBV/m

Emission category: **M4**

MIF scaled E-field

Grid 1 M4 24.53 dBV/m	Grid 2 M4 28.42 dBV/m	Grid 3 M4 28.6 dBV/m
Grid 4 M4 26.34 dBV/m	Grid 5 M4 28.81 dBV/m	Grid 6 M4 28.9 dBV/m
Grid 7 M4 29.63 dBV/m	Grid 8 M4 29 dBV/m	Grid 9 M4 29 dBV/m



0 dB = 30.29 V/m = 29.63 dBV/m

HAC-RF Emission ANT 1

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 - SN4028; ConvF(1, 1, 1); Calibrated: 7/24/2017;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1472; Calibrated: 3/8/2018
- 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 = 48.53 V/m; Power Drift = -0.04 dB

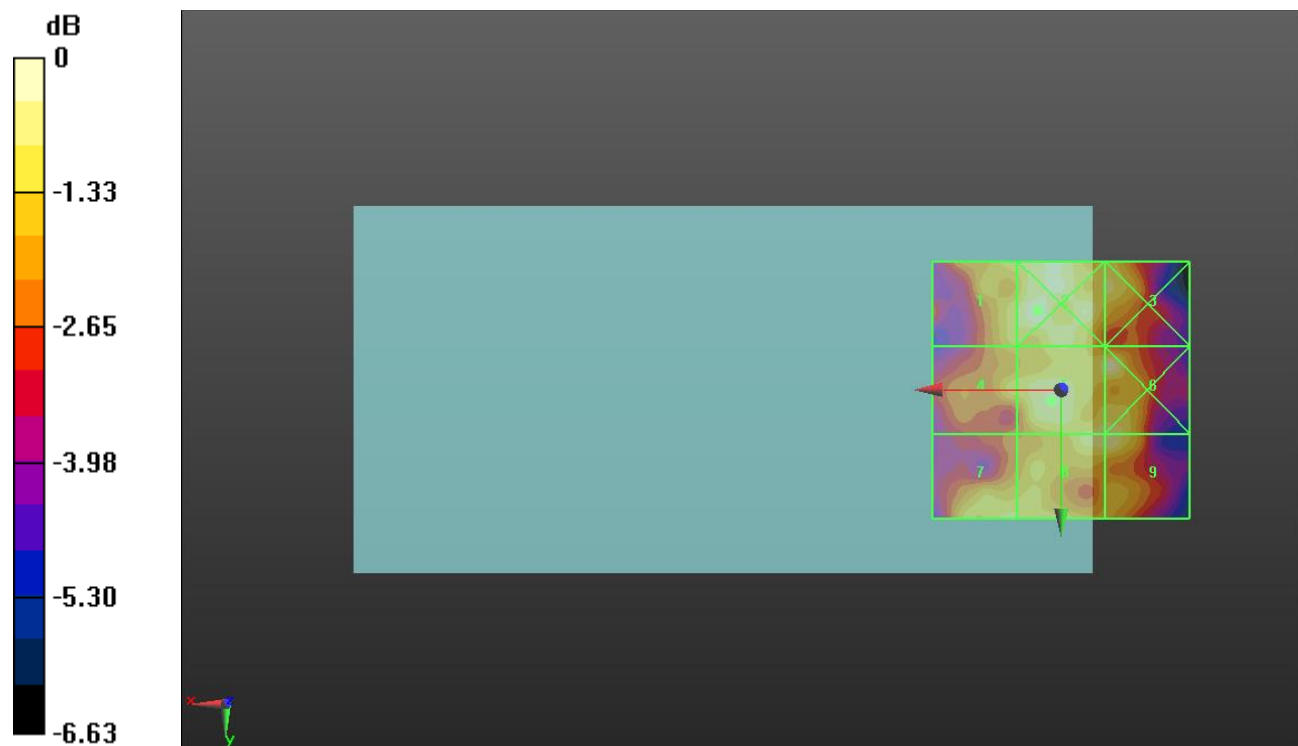
Applied MIF = 3.26 dB

RF audio interference level = 26.90 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 26.49 dBV/m	Grid 2 M4 27.27 dBV/m	Grid 3 M4 26.53 dBV/m
Grid 4 M4 26.22 dBV/m	Grid 5 M4 26.9 dBV/m	Grid 6 M4 27.04 dBV/m
Grid 7 M4 26.48 dBV/m	Grid 8 M4 26.82 dBV/m	Grid 9 M4 26.85 dBV/m



0 dB = 23.10 V/m = 27.27 dBV/m

HAC-RF Emission ANT 1

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 - SN4028; ConvF(1, 1, 1); Calibrated: 7/24/2017;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1472; Calibrated: 3/8/2018
- 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 = 16.86 V/m; Power Drift = 0.01 dB

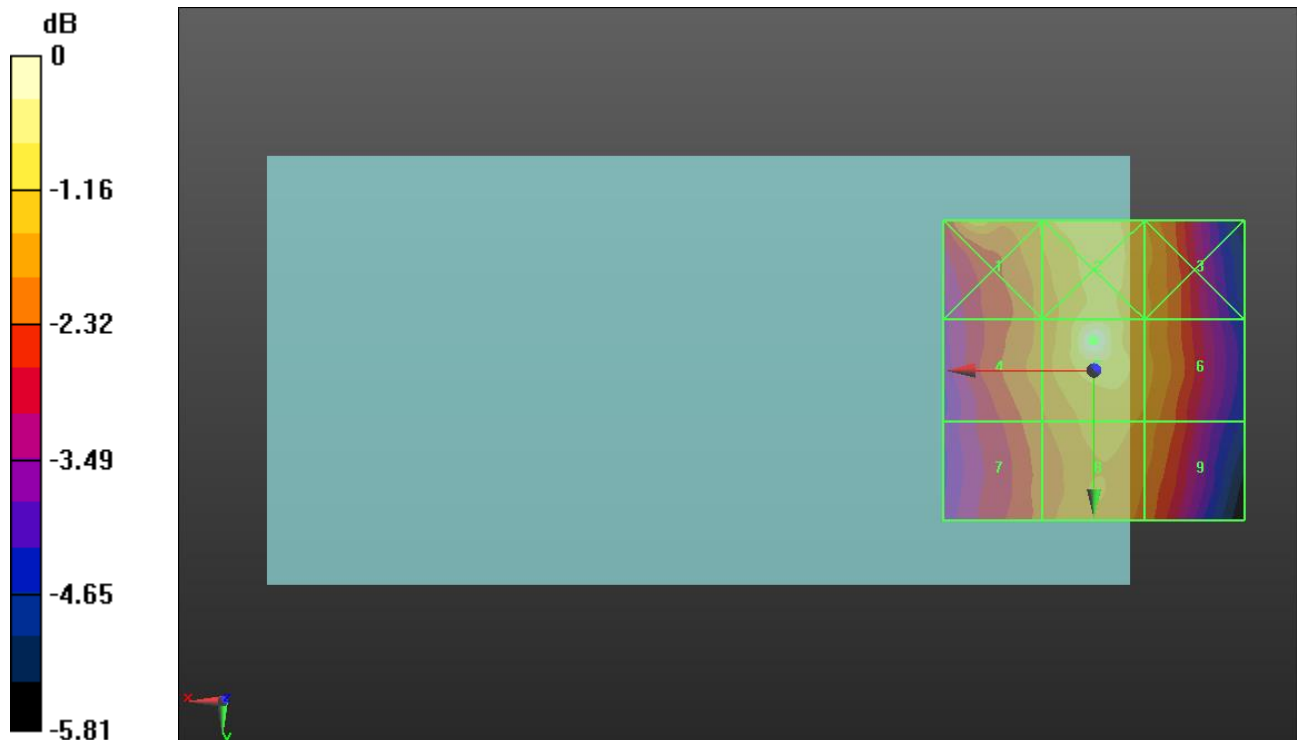
Applied MIF = 3.26 dB

RF audio interference level = 26.37 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 25.19 dBV/m	Grid 2 M4 25.48 dBV/m	Grid 3 M4 24.99 dBV/m
Grid 4 M4 24.7 dBV/m	Grid 5 M4 26.37 dBV/m	Grid 6 M4 24.99 dBV/m
Grid 7 M4 24.4 dBV/m	Grid 8 M4 25.01 dBV/m	Grid 9 M4 24.71 dBV/m



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

HAC-RF Emission ANT 1

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 - SN4028; ConvF(1, 1, 1); Calibrated: 7/24/2017;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1472; Calibrated: 3/8/2018
- 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 = 17.51 V/m; Power Drift = -0.07 dB

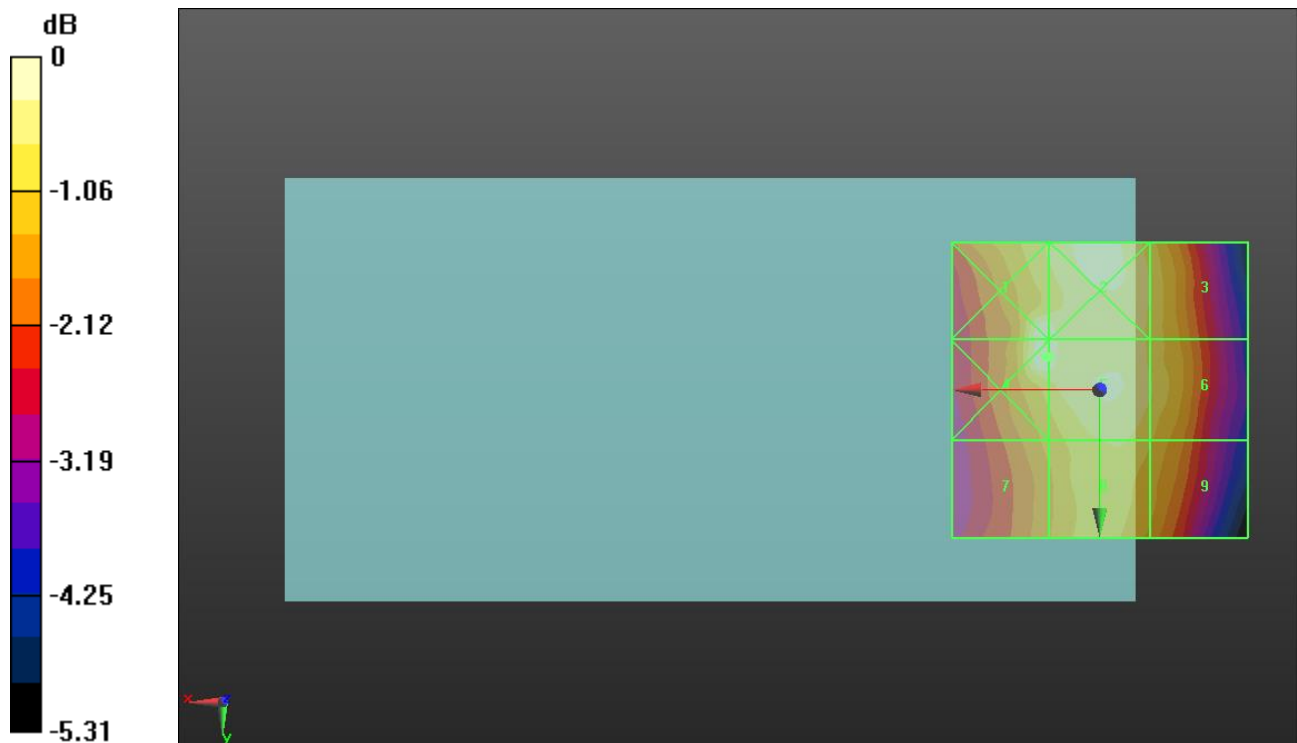
Applied MIF = 3.26 dB

RF audio interference level = 25.95 dBV/m

Emission category: **M4**

MIF scaled E-field

Grid 1 M4 25.93 dBV/m	Grid 2 M4 25.88 dBV/m	Grid 3 M4 25.27 dBV/m
Grid 4 M4 25.99 dBV/m	Grid 5 M4 25.95 dBV/m	Grid 6 M4 25.34 dBV/m
Grid 7 M4 24.72 dBV/m	Grid 8 M4 25.33 dBV/m	Grid 9 M4 24.98 dBV/m



HAC-RF Emission ANT 1

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 - SN4028; ConvF(1, 1, 1); Calibrated: 7/24/2017;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1472; Calibrated: 3/8/2018
- 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 = 14.94 V/m; Power Drift = 0.05 dB

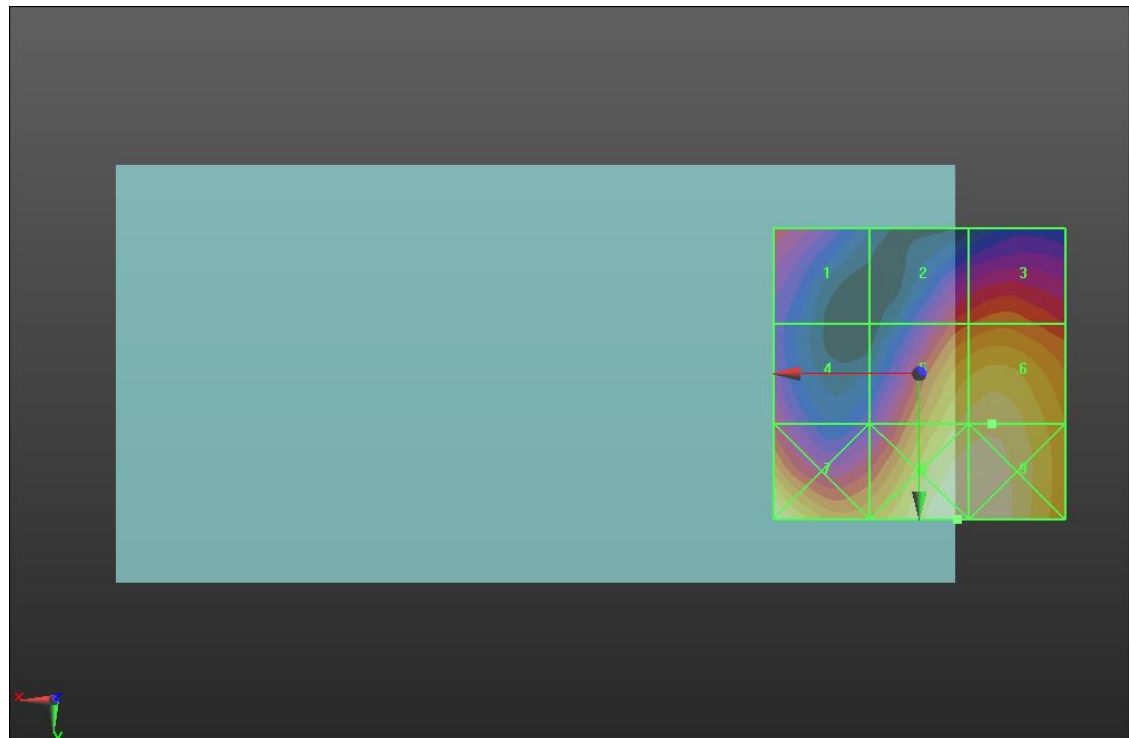
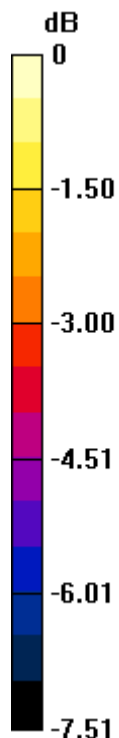
Applied MIF = -1.44 dB

RF audio interference level = 23.45 dBV/m

Emission category: **M4**

MIF scaled E-field

Grid 1 M4 20.45 dBV/m	Grid 2 M4 21.06 dBV/m	Grid 3 M4 21.47 dBV/m
Grid 4 M4 20.36 dBV/m	Grid 5 M4 23.28 dBV/m	Grid 6 M4 23.45 dBV/m
Grid 7 M4 24.05 dBV/m	Grid 8 M4 24.08 dBV/m	Grid 9 M4 24.03 dBV/m



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

HAC-RF Emission ANT 1

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 - SN4028; ConvF(1, 1, 1); Calibrated: 7/24/2017;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1472; Calibrated: 3/8/2018
- 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 = 13.92 V/m; Power Drift = -0.07 dB

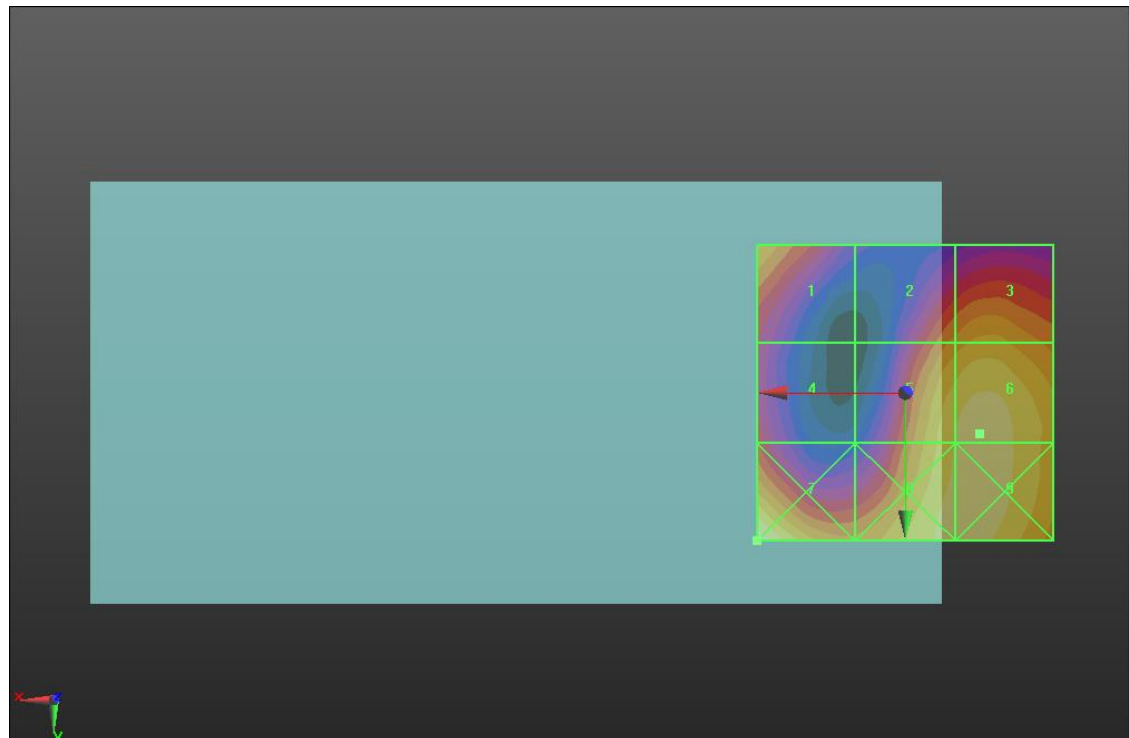
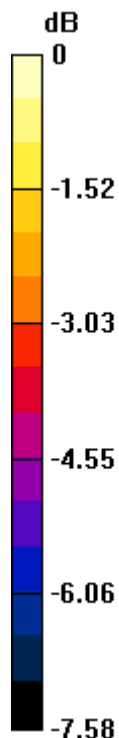
Applied MIF = -1.44 dB

RF audio interference level = 22.66 dBV/m

Emission category: **M4**

MIF scaled E-field

Grid 1 M4 21.47 dBV/m	Grid 2 M4 21.07 dBV/m	Grid 3 M4 21.53 dBV/m
Grid 4 M4 19.93 dBV/m	Grid 5 M4 22.4 dBV/m	Grid 6 M4 22.66 dBV/m
Grid 7 M4 23.37 dBV/m	Grid 8 M4 22.57 dBV/m	Grid 9 M4 22.66 dBV/m



0 dB = 14.74 V/m = 23.37 dBV/m

HAC-RF Emission ANT 1

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 - SN4028; ConvF(1, 1, 1); Calibrated: 7/24/2017;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1472; Calibrated: 3/8/2018
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.8 (7);SEMCAD X Version 14.6.10 (7164)

LTE Band 41 E-Field measurement/LTE TDD_16QAM_RB 1/49_ch 40620/Hearing Aid Compatibility Test (101x101x1): Interpolated grid: dx=0.5000 mm, dy=0.5000 mm

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 12.77 V/m; Power Drift = -0.03 dB

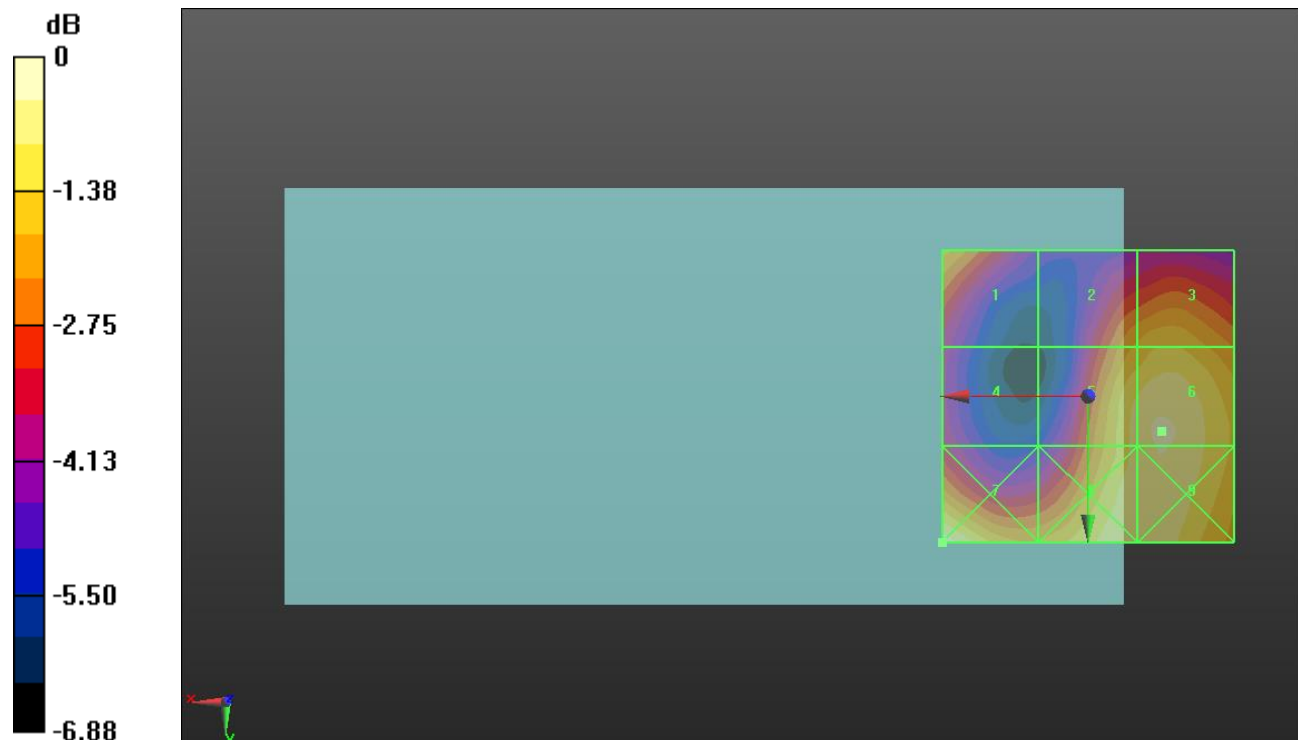
Applied MIF = -1.44 dB

RF audio interference level = 21.95 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 20.73 dBV/m	Grid 2 M4 20.65 dBV/m	Grid 3 M4 21.02 dBV/m
Grid 4 M4 18.92 dBV/m	Grid 5 M4 21.66 dBV/m	Grid 6 M4 21.95 dBV/m
Grid 7 M4 22.36 dBV/m	Grid 8 M4 21.73 dBV/m	Grid 9 M4 21.92 dBV/m



0 dB = 13.12 V/m = 22.36 dBV/m

HAC-RF Emission ANT 1

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 - SN4028; ConvF(1, 1, 1); Calibrated: 7/24/2017;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1472; Calibrated: 3/8/2018
- 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 = 11.82 V/m; Power Drift = -0.13 dB

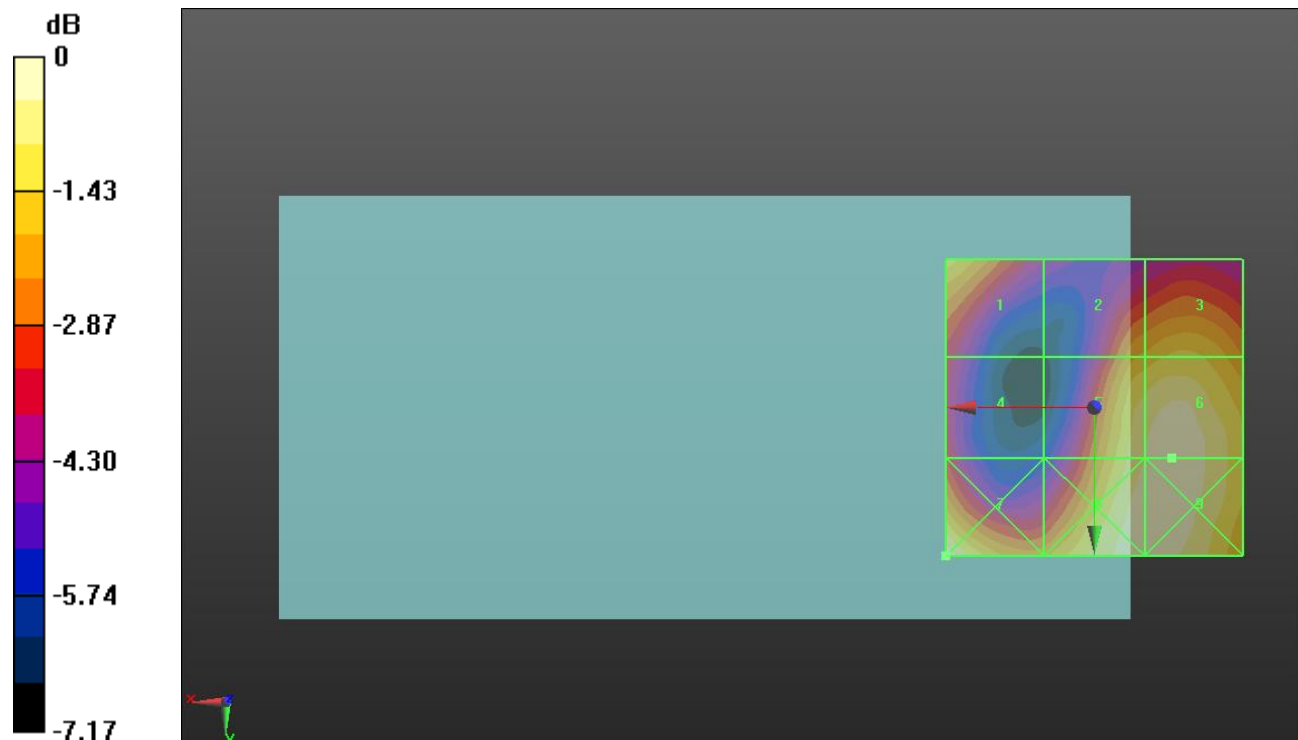
Applied MIF = -1.44 dB

RF audio interference level = 21.27 dBV/m

Emission category: **M4**

MIF scaled E-field

Grid 1 M4 20.31 dBV/m	Grid 2 M4 19.71 dBV/m	Grid 3 M4 20.19 dBV/m
Grid 4 M4 18.22 dBV/m	Grid 5 M4 20.98 dBV/m	Grid 6 M4 21.27 dBV/m
Grid 7 M4 21.46 dBV/m	Grid 8 M4 21.19 dBV/m	Grid 9 M4 21.28 dBV/m



0 dB = 11.82 V/m = 21.45 dBV/m

HAC-RF Emission ANT 1

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 - SN4028; ConvF(1, 1, 1); Calibrated: 7/24/2017;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1472; Calibrated: 3/8/2018
- 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 = 10.16 V/m; Power Drift = -0.13 dB

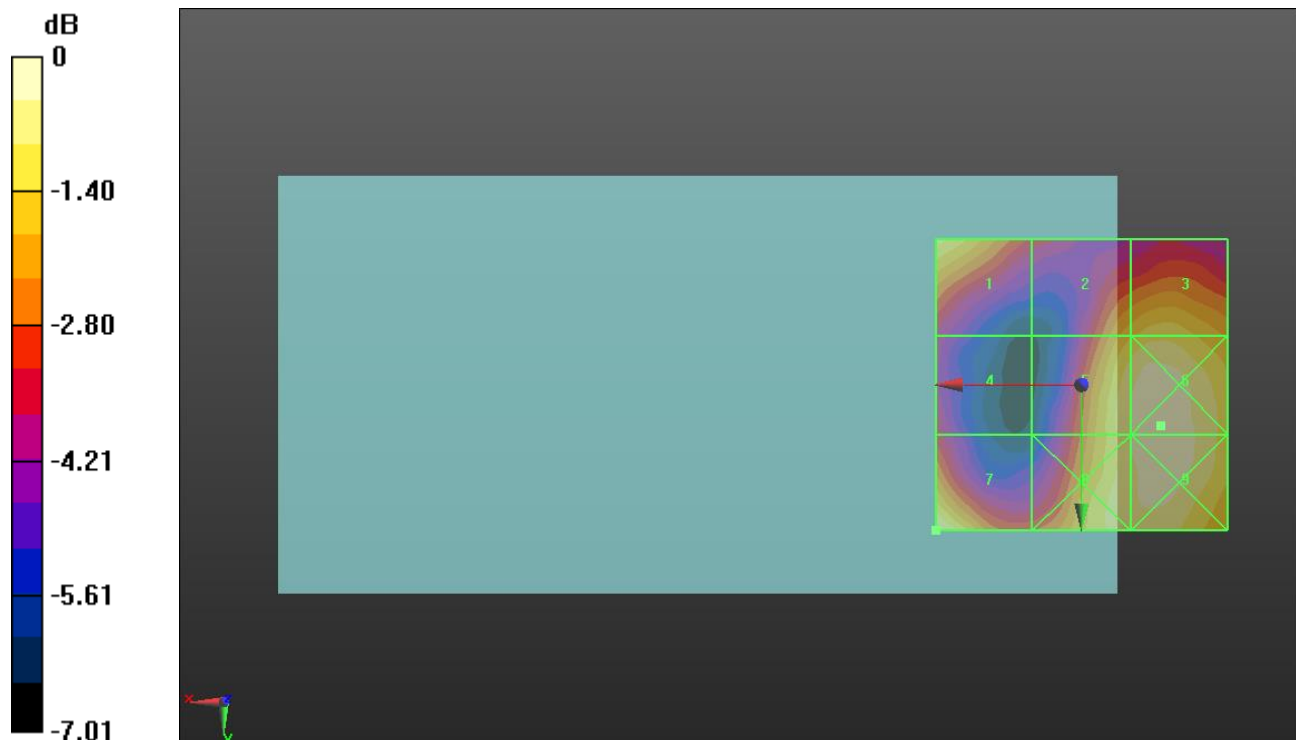
Applied MIF = -1.44 dB

RF audio interference level = 20.09 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 19.47 dBV/m	Grid 2 M4 18.67 dBV/m	Grid 3 M4 19.12 dBV/m
Grid 4 M4 16.82 dBV/m	Grid 5 M4 19.77 dBV/m	Grid 6 M4 20.18 dBV/m
Grid 7 M4 20.09 dBV/m	Grid 8 M4 19.76 dBV/m	Grid 9 M4 20.17 dBV/m



0 dB = 10.21 V/m = 20.18 dBV/m

HAC-RF Emission ANT 1

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 - SN4028; ConvF(1, 1, 1); Calibrated: 7/24/2017;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1472; Calibrated: 3/8/2018
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.8 (7);SEMCAD X Version 14.6.10 (7164)

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

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

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 22.82 V/m; Power Drift = -0.03 dB

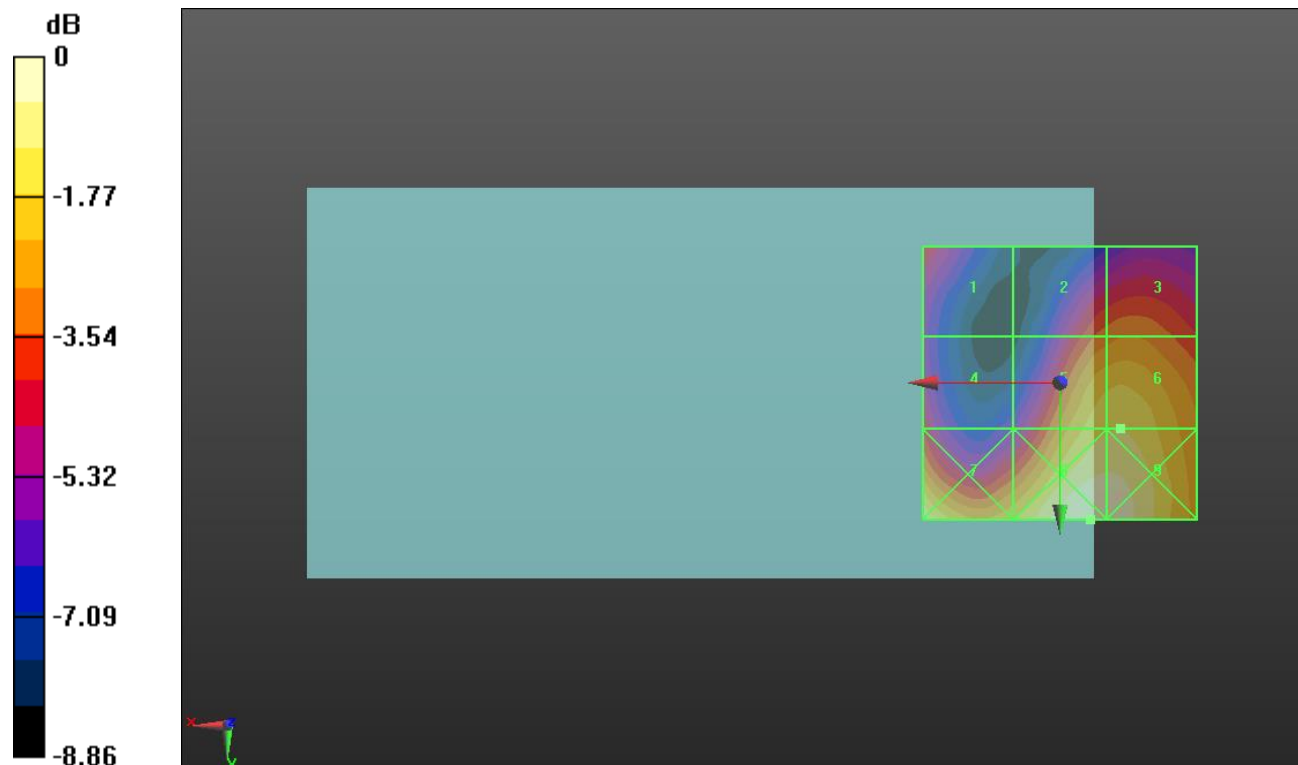
Applied MIF = -1.44 dB

RF audio interference level = 26.52 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 23.6 dBV/m	Grid 2 M4 24.48 dBV/m	Grid 3 M4 24.73 dBV/m
Grid 4 M4 23.54 dBV/m	Grid 5 M4 26.46 dBV/m	Grid 6 M4 26.52 dBV/m
Grid 7 M4 27.22 dBV/m	Grid 8 M4 27.68 dBV/m	Grid 9 M4 27.56 dBV/m



0 dB = 24.22 V/m = 27.68 dBV/m

HAC-RF Emission ANT 1

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 - SN4028; ConvF(1, 1, 1); Calibrated: 7/24/2017;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1472; Calibrated: 3/8/2018
- 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 = 22.52 V/m; Power Drift = -0.11 dB

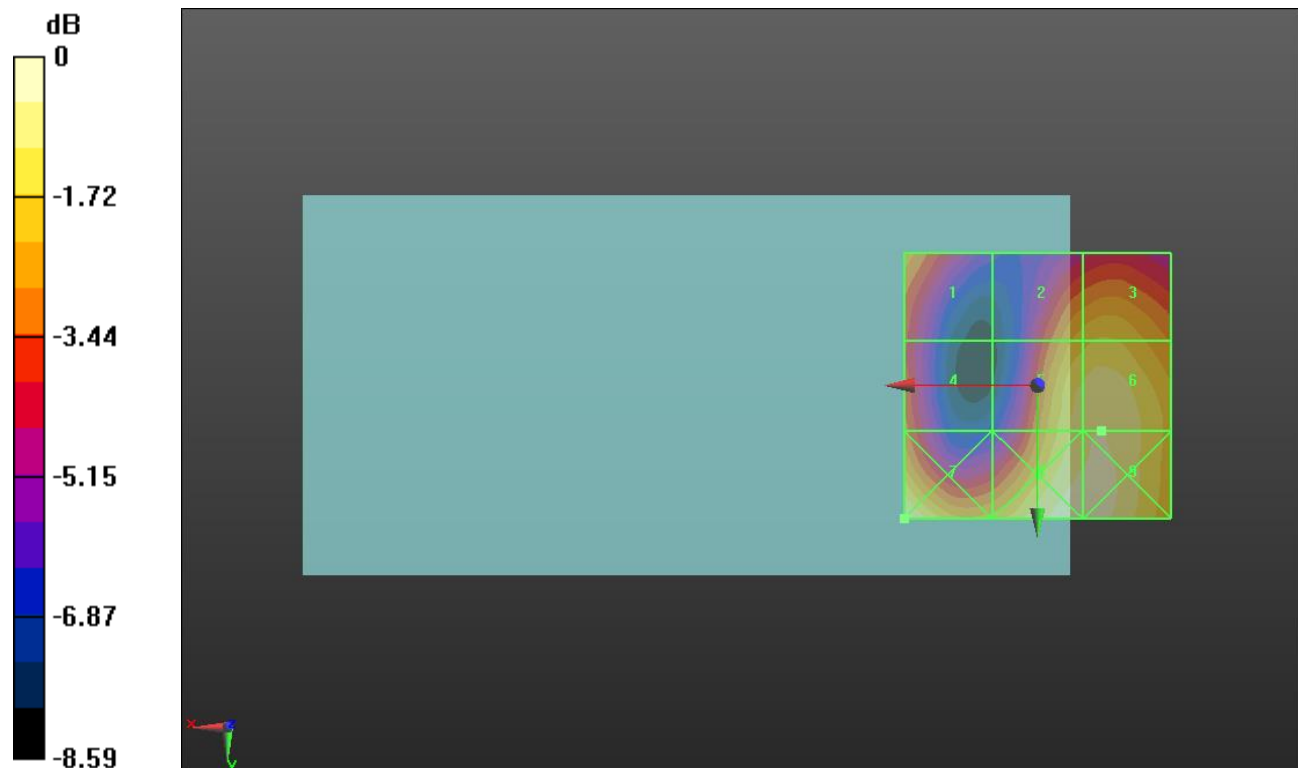
Applied MIF = -1.44 dB

RF audio interference level = 26.29 dBV/m

Emission category: **M4**

MIF scaled E-field

Grid 1 M4 24.43 dBV/m	Grid 2 M4 24.92 dBV/m	Grid 3 M4 25.21 dBV/m
Grid 4 M4 23.77 dBV/m	Grid 5 M4 26.08 dBV/m	Grid 6 M4 26.29 dBV/m
Grid 7 M4 26.86 dBV/m	Grid 8 M4 26.58 dBV/m	Grid 9 M4 26.58 dBV/m



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

HAC-RF Emission ANT 1

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 - SN4028; ConvF(1, 1, 1); Calibrated: 7/24/2017;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1472; Calibrated: 3/8/2018
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.8 (7);SEMCAD X Version 14.6.10 (7164)

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

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

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 19.44 V/m; Power Drift = -0.06 dB

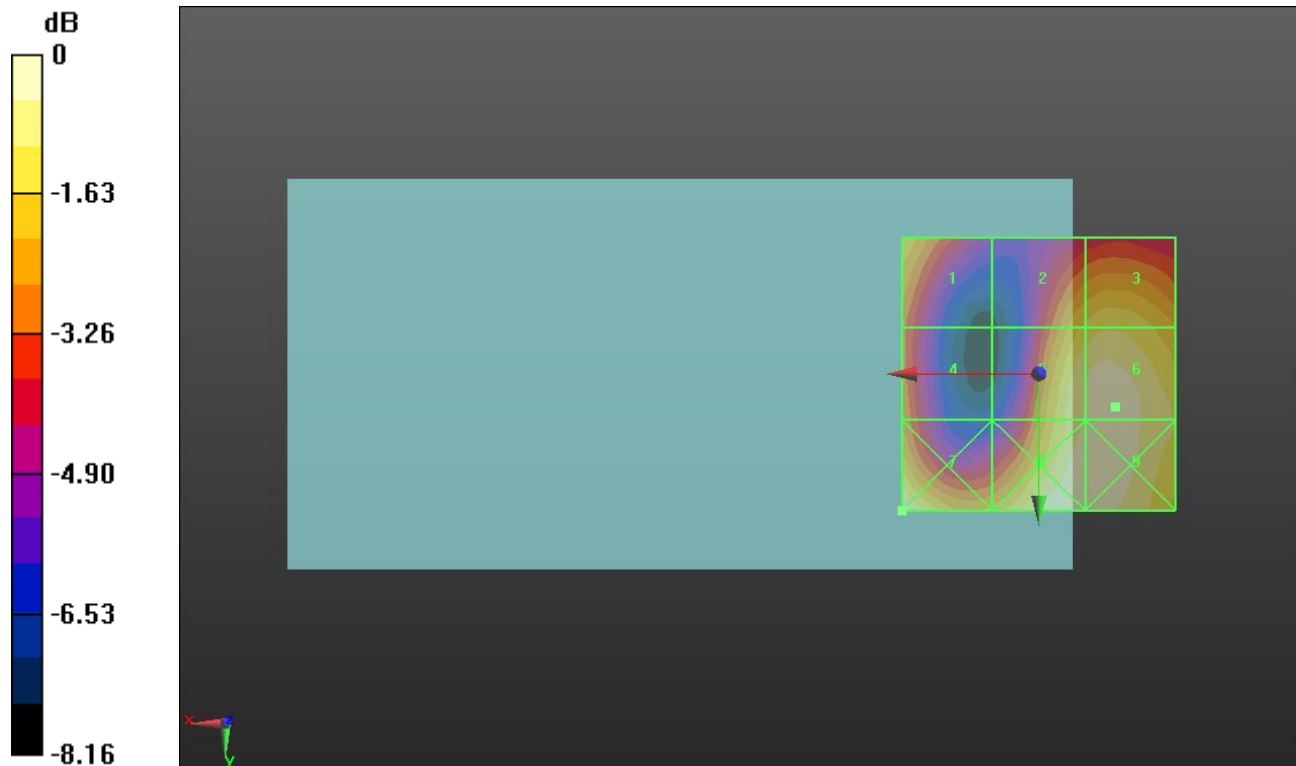
Applied MIF = -1.44 dB

RF audio interference level = 25.31 dBV/m

Emission category: **M4**

MIF scaled E-field

Grid 1 M4 23.85 dBV/m	Grid 2 M4 23.92 dBV/m	Grid 3 M4 24.27 dBV/m
Grid 4 M4 22.79 dBV/m	Grid 5 M4 24.96 dBV/m	Grid 6 M4 25.31 dBV/m
Grid 7 M4 25.42 dBV/m	Grid 8 M4 25.37 dBV/m	Grid 9 M4 25.37 dBV/m



0 dB = 18.66 V/m = 25.42 dBV/m

HAC-RF Emission ANT 1

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 - SN4028; ConvF(1, 1, 1); Calibrated: 7/24/2017;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1472; Calibrated: 3/8/2018
- 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 = 18.55 V/m; Power Drift = -0.18 dB

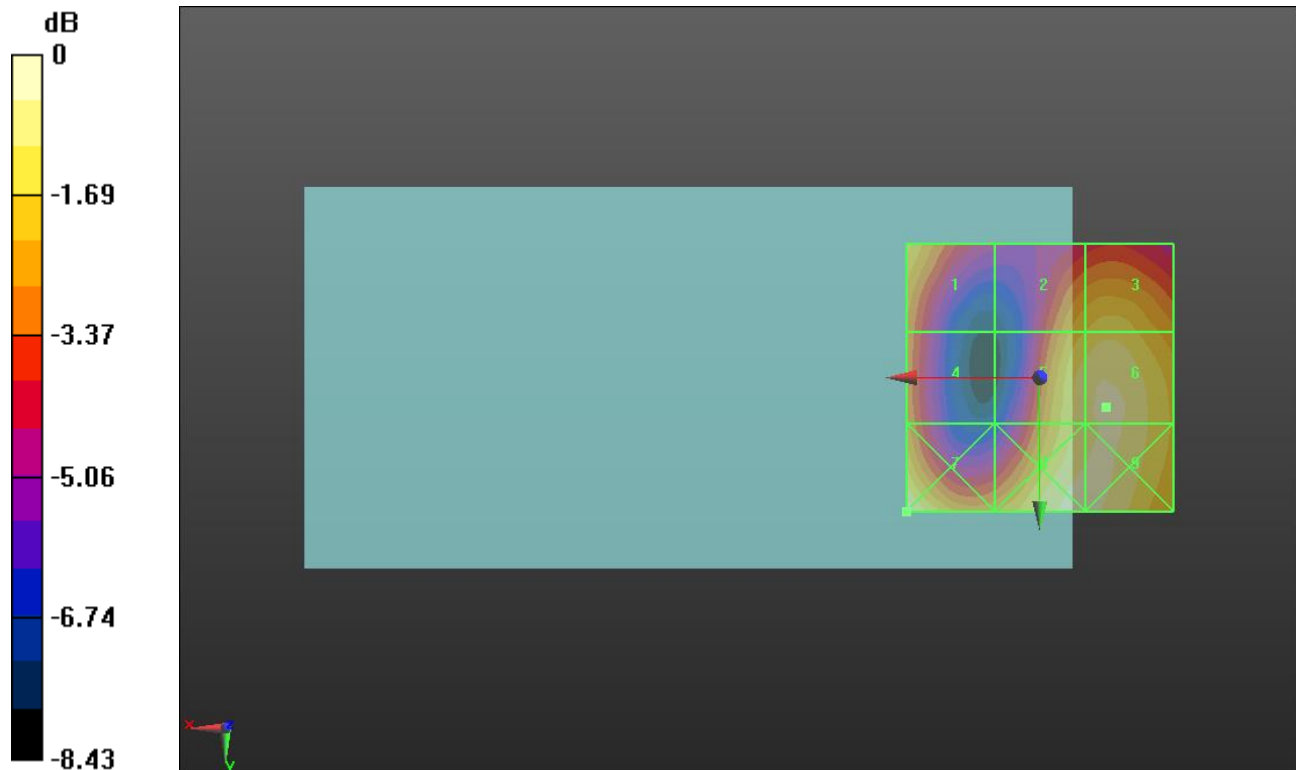
Applied MIF = -1.44 dB

RF audio interference level = 24.90 dBV/m

Emission category: **M4**

MIF scaled E-field

Grid 1 M4 23.92 dBV/m	Grid 2 M4 23.69 dBV/m	Grid 3 M4 24.07 dBV/m
Grid 4 M4 22.79 dBV/m	Grid 5 M4 24.6 dBV/m	Grid 6 M4 24.9 dBV/m
Grid 7 M4 25.34 dBV/m	Grid 8 M4 24.94 dBV/m	Grid 9 M4 24.93 dBV/m



0 dB = 18.49 V/m = 25.34 dBV/m

HAC-RF Emission ANT 1

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 - SN4028; ConvF(1, 1, 1); Calibrated: 7/24/2017;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1472; Calibrated: 3/8/2018
- 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 = 15.95 V/m; Power Drift = -0.19 dB

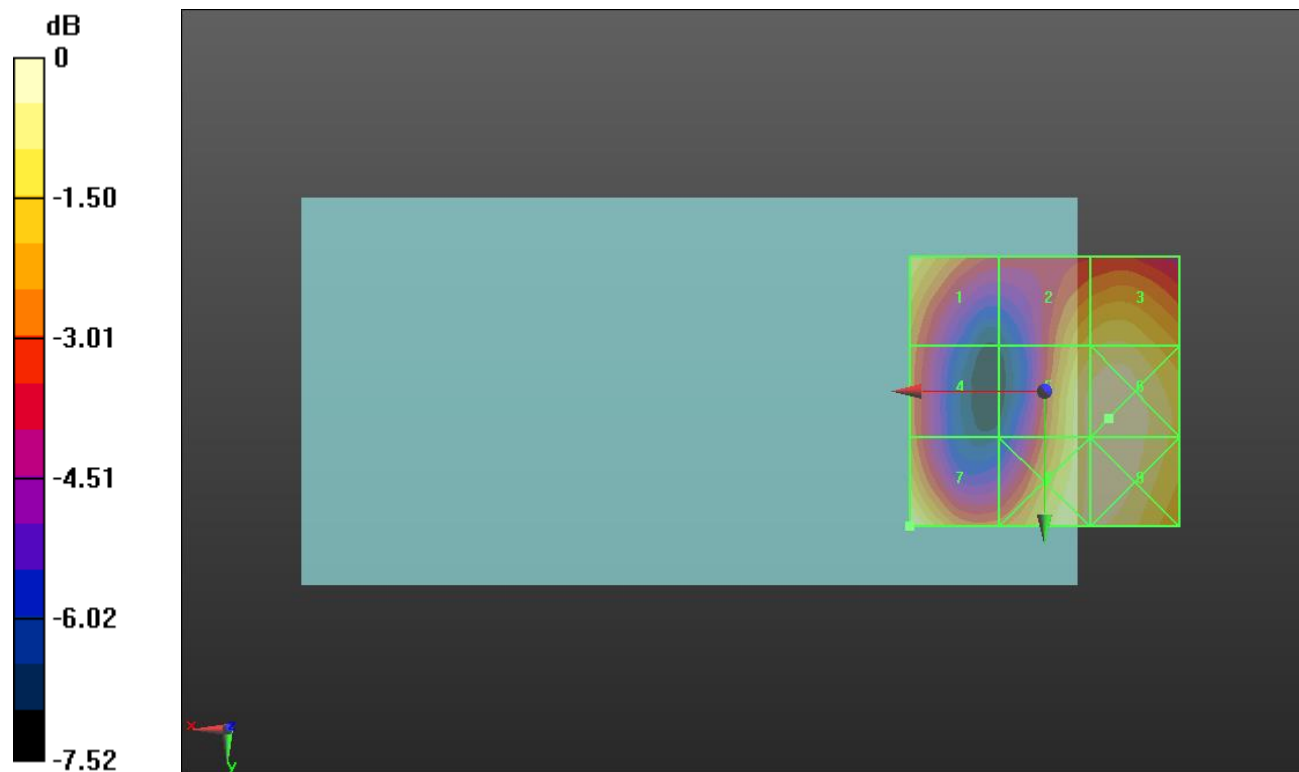
Applied MIF = -1.44 dB

RF audio interference level = 24.05 dBV/m

Emission category: **M4**

MIF scaled E-field

Grid 1 M4 23.2 dBV/m	Grid 2 M4 22.89 dBV/m	Grid 3 M4 23.24 dBV/m
Grid 4 M4 21.66 dBV/m	Grid 5 M4 23.79 dBV/m	Grid 6 M4 24.13 dBV/m
Grid 7 M4 24.05 dBV/m	Grid 8 M4 23.74 dBV/m	Grid 9 M4 24.07 dBV/m



0 dB = 16.08 V/m = 24.13 dBV/m

HAC-RF Emission ANT 2

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 - SN4028; ConvF(1, 1, 1); Calibrated: 7/24/2017;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1472; Calibrated: 3/8/2018
- 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 = 69.73 V/m; Power Drift = -0.02 dB

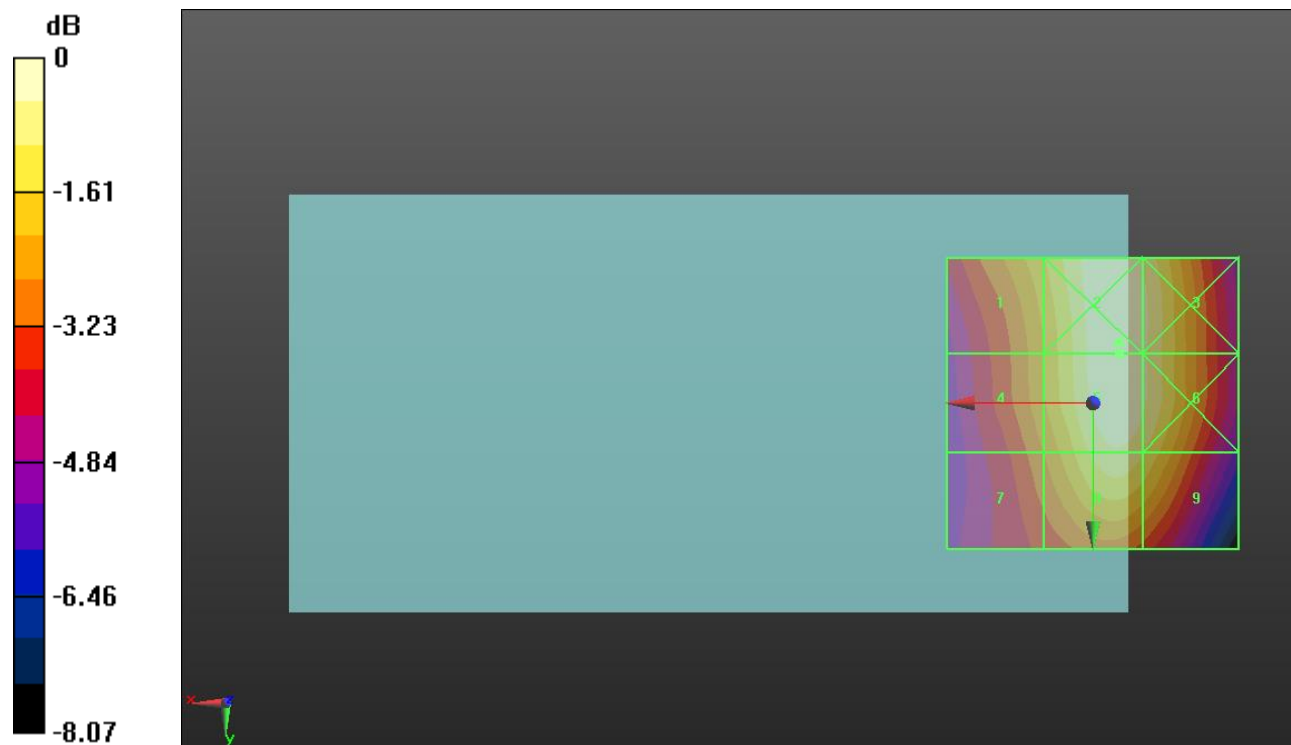
Applied MIF = 3.63 dB

RF audio interference level = 37.22 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 35.6 dBV/m	Grid 2 M4 37.23 dBV/m	Grid 3 M4 36.85 dBV/m
Grid 4 M4 35.07 dBV/m	Grid 5 M4 37.22 dBV/m	Grid 6 M4 36.84 dBV/m
Grid 7 M4 34.53 dBV/m	Grid 8 M4 36.62 dBV/m	Grid 9 M4 36.18 dBV/m



0 dB = 72.66 V/m = 37.23 dBV/m

HAC-RF Emission ANT 2

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 - SN4028; ConvF(1, 1, 1); Calibrated: 7/24/2017;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1472; Calibrated: 3/8/2018
- 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 = 66.95 V/m; Power Drift = 0.05 dB

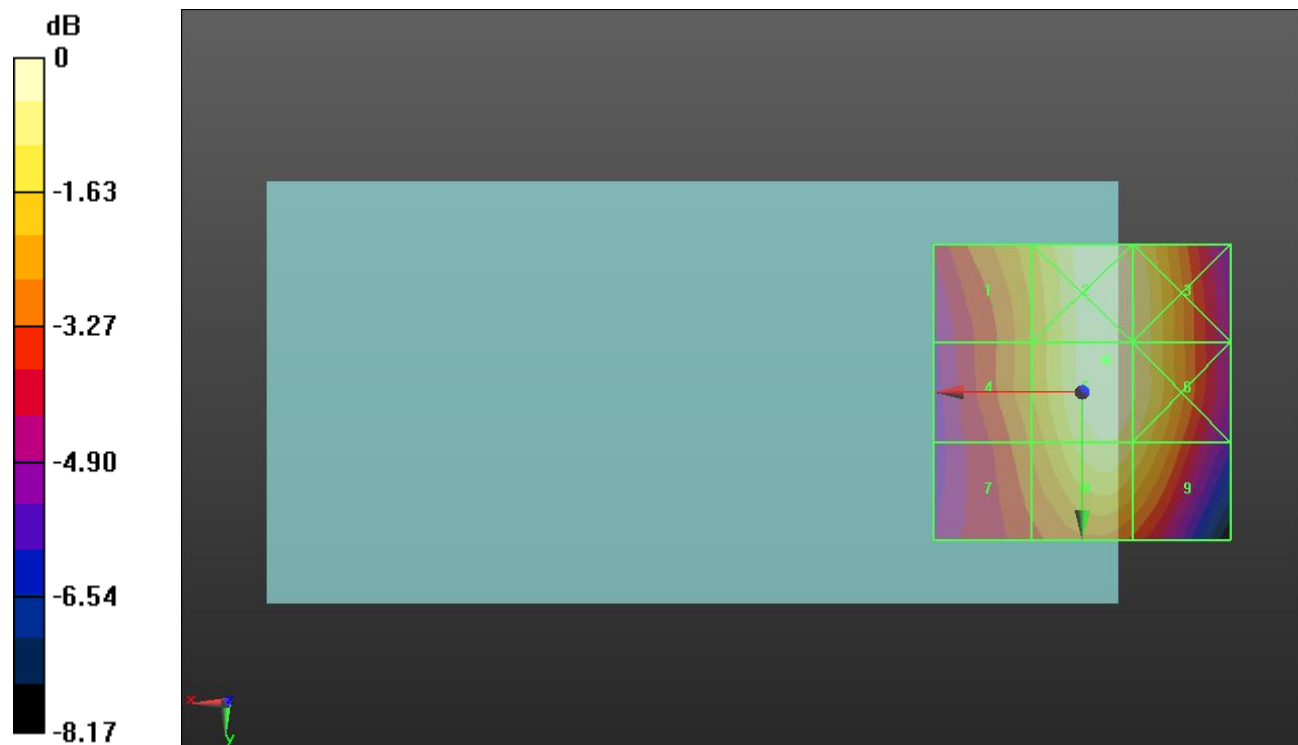
Applied MIF = 3.63 dB

RF audio interference level = 36.80 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 35.04 dBV/m	Grid 2 M4 36.78 dBV/m	Grid 3 M4 36.36 dBV/m
Grid 4 M4 34.67 dBV/m	Grid 5 M4 36.8 dBV/m	Grid 6 M4 36.38 dBV/m
Grid 7 M4 34.21 dBV/m	Grid 8 M4 36.24 dBV/m	Grid 9 M4 35.78 dBV/m



0 dB = 69.19 V/m = 36.80 dBV/m

HAC-RF Emission ANT 2

Communication System: UID 10021 - DAC, GSM-FDD (TDMA, GMSK); Frequency: 848.6 MHz; Duty Cycle: 1:8.6896

Phantom section: RF Section

DASY5 Configuration:

- Probe: EF3DV3 - SN4028; ConvF(1, 1, 1); Calibrated: 7/24/2017;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1472; Calibrated: 3/8/2018
- 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 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 = 65.65 V/m; Power Drift = -0.03 dB

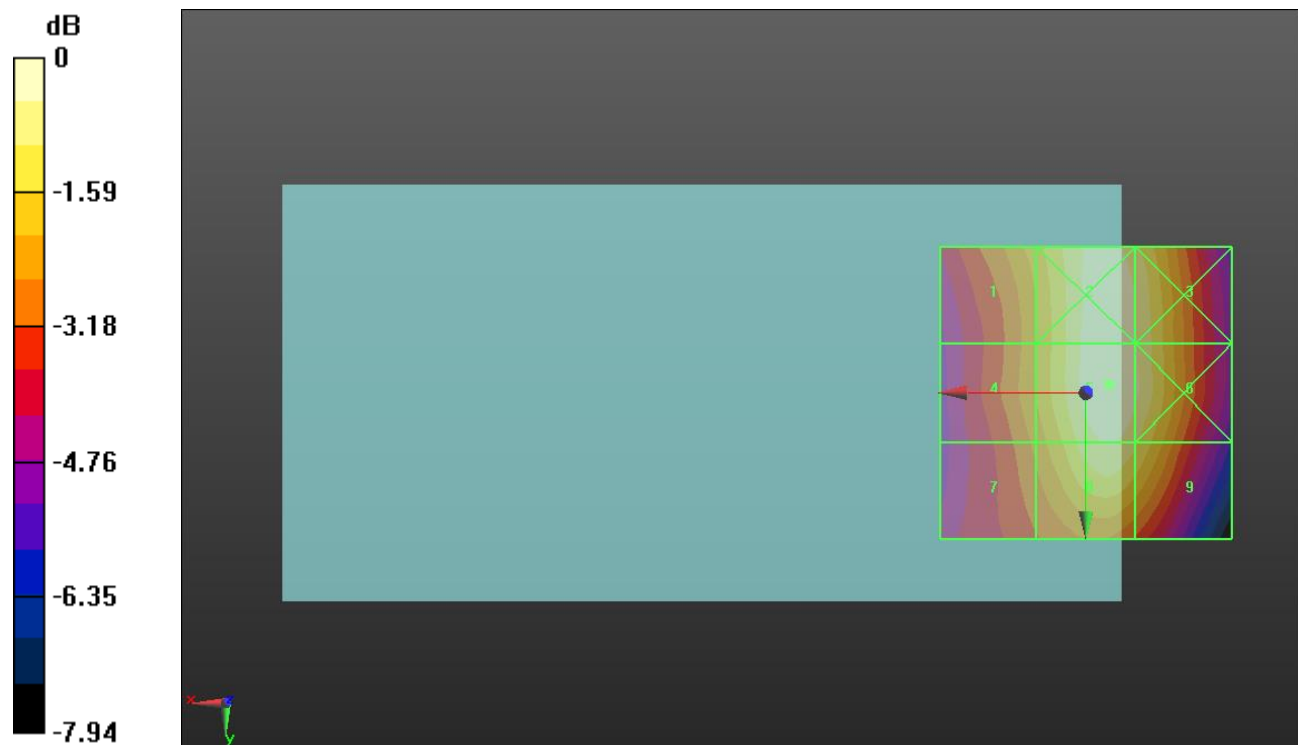
Applied MIF = 3.63 dB

RF audio interference level = 36.56 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 34.77 dBV/m	Grid 2 M4 36.49 dBV/m	Grid 3 M4 36.07 dBV/m
Grid 4 M4 34.49 dBV/m	Grid 5 M4 36.56 dBV/m	Grid 6 M4 36.15 dBV/m
Grid 7 M4 34.09 dBV/m	Grid 8 M4 36.06 dBV/m	Grid 9 M4 35.58 dBV/m



0 dB = 67.26 V/m = 36.56 dBV/m

HAC-RF Emission ANT 2

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 - SN4028; ConvF(1, 1, 1); Calibrated: 7/24/2017;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1472; Calibrated: 3/8/2018
- 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 = 19.75 V/m; Power Drift = -0.05 dB

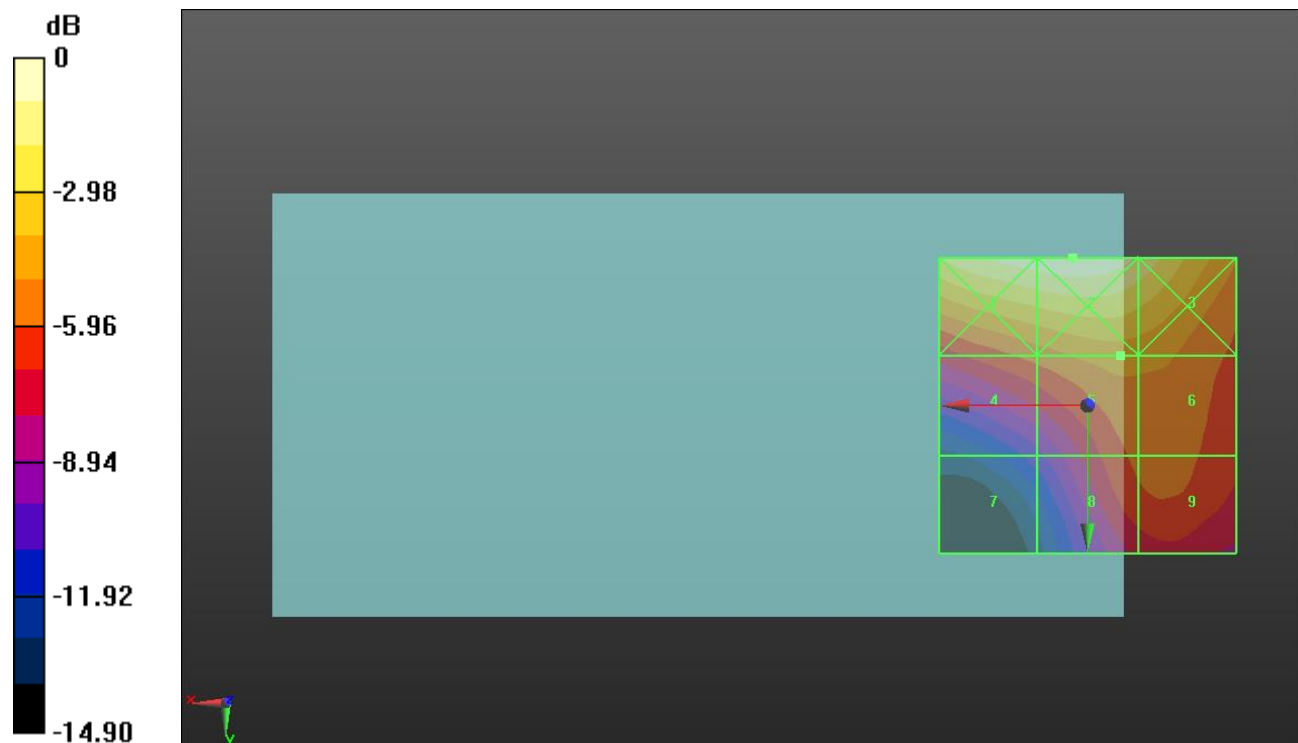
Applied MIF = 3.63 dB

RF audio interference level = 28.93 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M3 33.08 dBV/m	Grid 2 M3 33.35 dBV/m	Grid 3 M3 32.22 dBV/m
Grid 4 M4 27.87 dBV/m	Grid 5 M4 28.93 dBV/m	Grid 6 M4 28.85 dBV/m
Grid 7 M4 23.1 dBV/m	Grid 8 M4 27.66 dBV/m	Grid 9 M4 27.93 dBV/m



0 dB = 46.52 V/m = 33.35 dBV/m

HAC-RF Emission ANT 2

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 - SN4028; ConvF(1, 1, 1); Calibrated: 7/24/2017;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1472; Calibrated: 3/8/2018
- 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 = 20.50 V/m; Power Drift = 0.01 dB

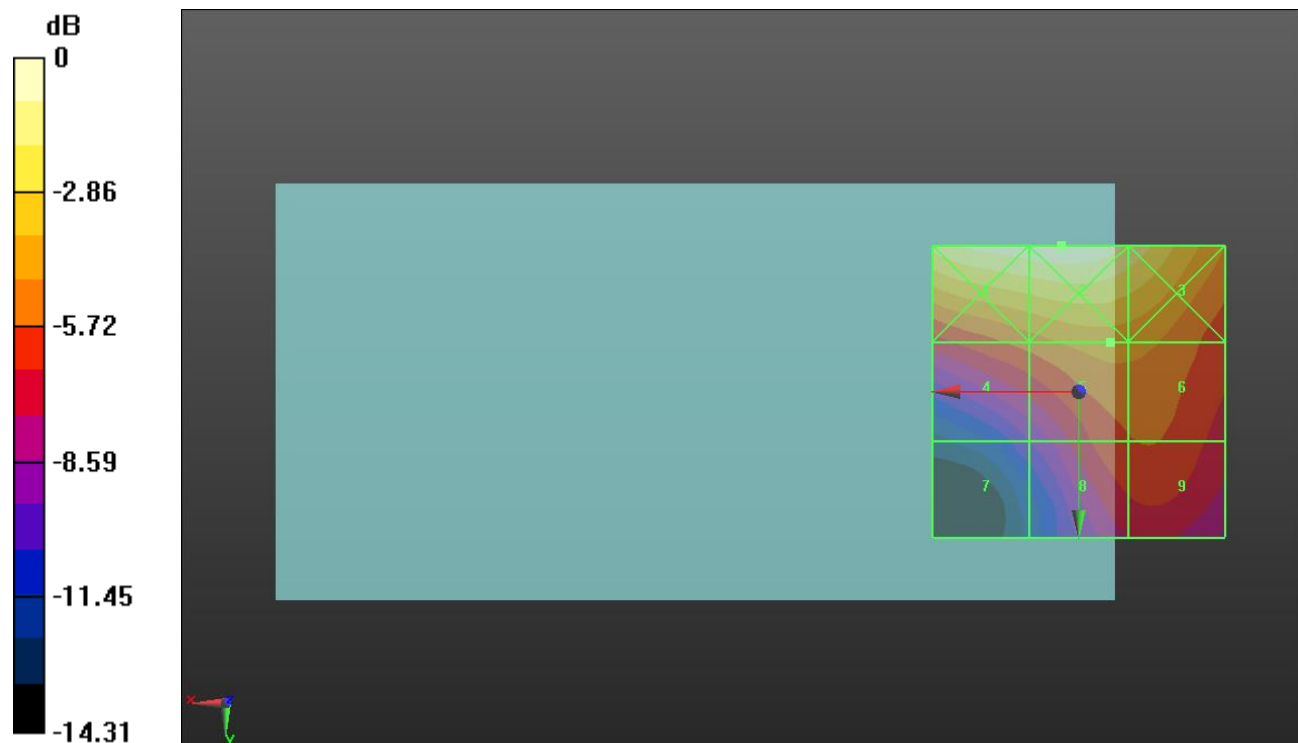
Applied MIF = 3.63 dB

RF audio interference level = 29.14 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M3 33.2 dBV/m	Grid 2 M3 33.42 dBV/m	Grid 3 M3 32.32 dBV/m
Grid 4 M4 28.18 dBV/m	Grid 5 M4 29.14 dBV/m	Grid 6 M4 29.06 dBV/m
Grid 7 M4 23.93 dBV/m	Grid 8 M4 27.64 dBV/m	Grid 9 M4 27.76 dBV/m



0 dB = 46.89 V/m = 33.42 dBV/m

HAC-RF Emission ANT 2

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 - SN4028; ConvF(1, 1, 1); Calibrated: 7/24/2017;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1472; Calibrated: 3/8/2018
- 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 = 21.28 V/m; Power Drift = -0.03 dB

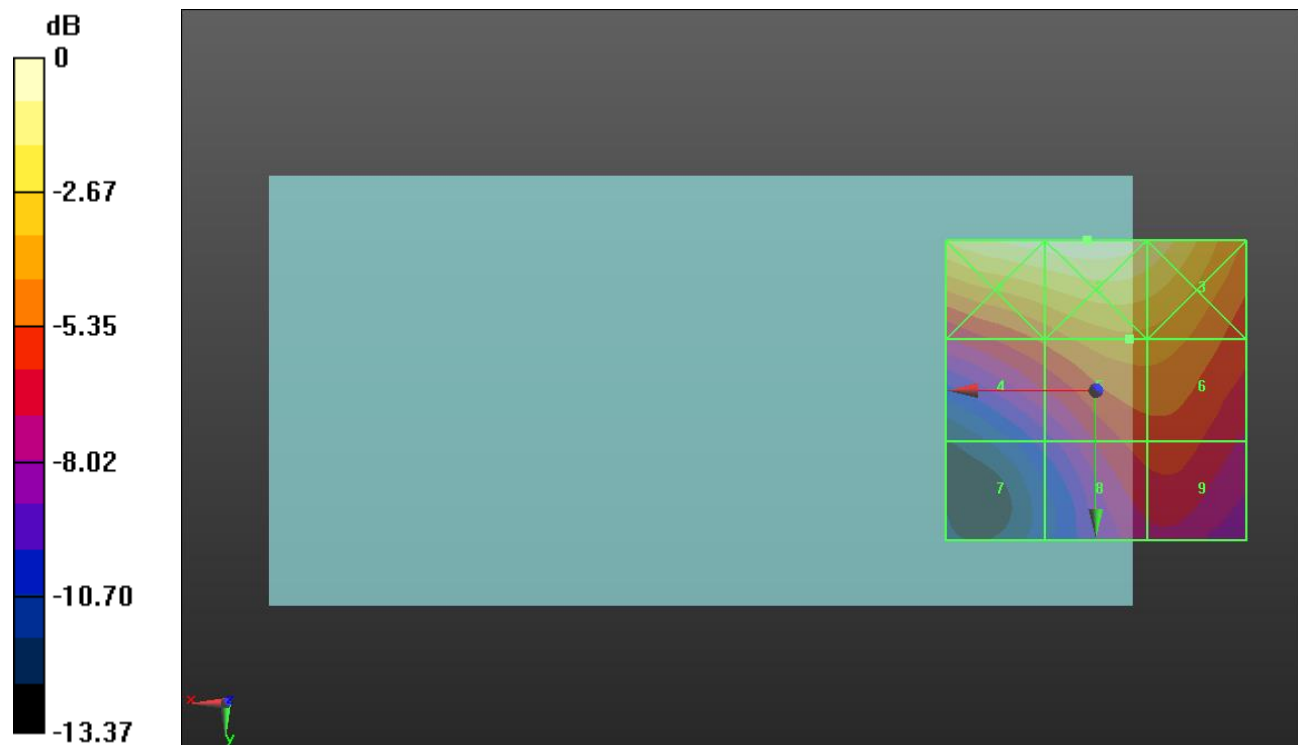
Applied MIF = 3.63 dB

RF audio interference level = 29.64 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M3 33.11 dBV/m	Grid 2 M3 33.42 dBV/m	Grid 3 M3 32.51 dBV/m
Grid 4 M4 28.3 dBV/m	Grid 5 M4 29.64 dBV/m	Grid 6 M4 29.57 dBV/m
Grid 7 M4 24.08 dBV/m	Grid 8 M4 27.63 dBV/m	Grid 9 M4 27.71 dBV/m



0 dB = 46.86 V/m = 33.42 dBV/m

HAC-RF Emission ANT 2

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 - SN4028; ConvF(1, 1, 1); Calibrated: 7/24/2017;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1472; Calibrated: 3/8/2018
- 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 = 135.3 V/m; Power Drift = -0.05 dB

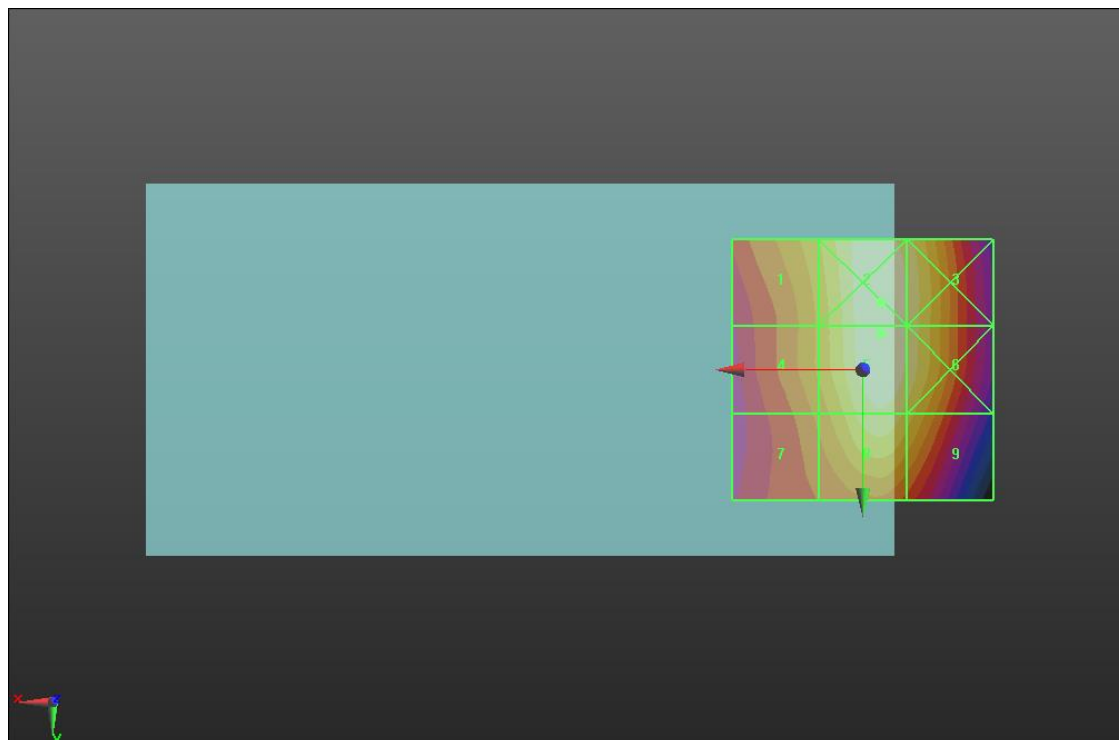
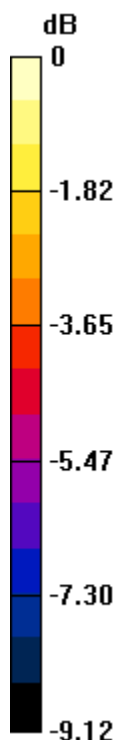
Applied MIF = 3.26 dB

RF audio interference level = 41.47 dBV/m

Emission category: **M3**

MIF scaled E-field

Grid 1 M4 39.65 dBV/m	Grid 2 M3 41.48 dBV/m	Grid 3 M3 40.85 dBV/m
Grid 4 M4 39.2 dBV/m	Grid 5 M3 41.47 dBV/m	Grid 6 M3 40.81 dBV/m
Grid 7 M4 38.65 dBV/m	Grid 8 M3 40.78 dBV/m	Grid 9 M3 40.01 dBV/m



0 dB = 118.6 V/m = 41.48 dBV/m

HAC-RF Emission ANT 2

Communication System: UID 10295 - AAB, CDMA2000, RC1, SO3, 1/8th Rate 25 fr.; Frequency: 831.99 MHz; Duty Cycle: 1:17.7419

Phantom section: RF Section

DASY5 Configuration:

- Probe: EF3DV3 - SN4028; ConvF(1, 1, 1); Calibrated: 7/24/2017;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1472; Calibrated: 3/8/2018
- 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 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 = 127.7 V/m; Power Drift = -0.01 dB

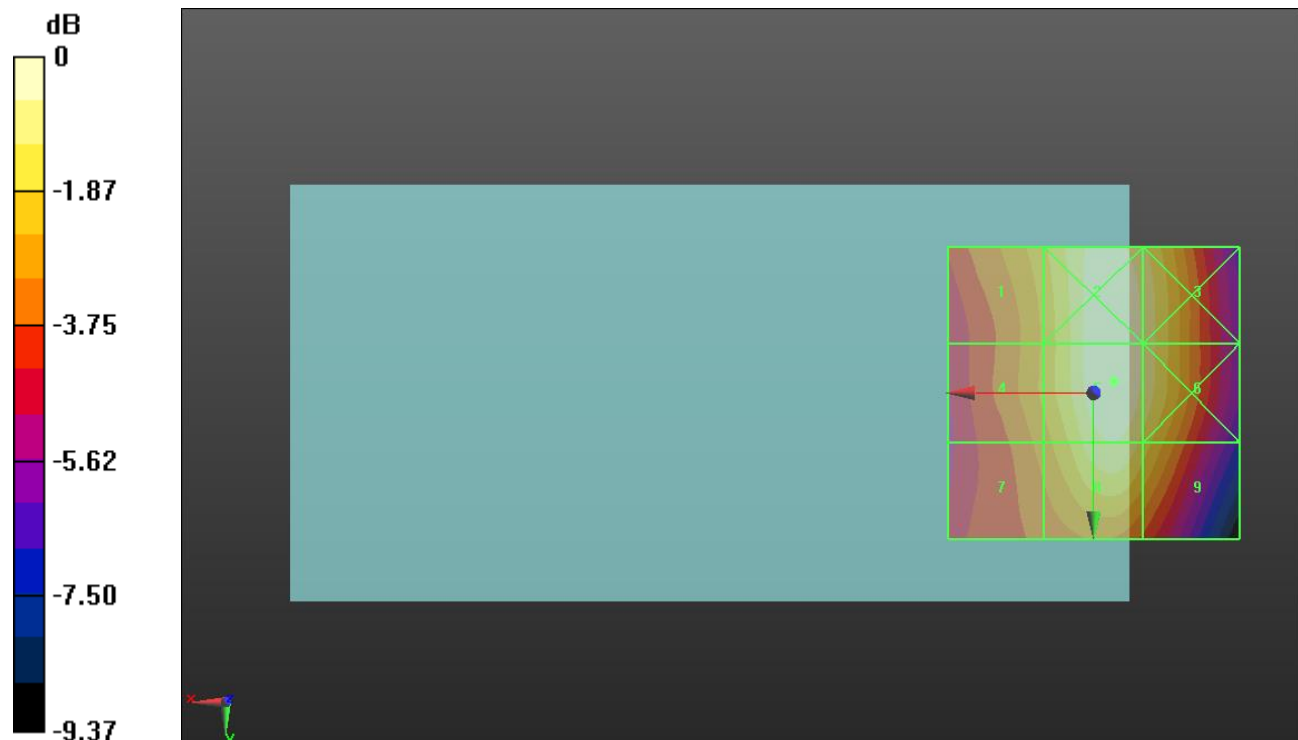
Applied MIF = 3.26 dB

RF audio interference level = 40.82 dBV/m

Emission category: **M3**

MIF scaled E-field

Grid 1 M4 38.85 dBV/m	Grid 2 M3 40.8 dBV/m	Grid 3 M3 40.09 dBV/m
Grid 4 M4 38.52 dBV/m	Grid 5 M3 40.82 dBV/m	Grid 6 M3 40.09 dBV/m
Grid 7 M4 38.04 dBV/m	Grid 8 M3 40.2 dBV/m	Grid 9 M4 39.34 dBV/m



0 dB = 109.9 V/m = 40.82 dBV/m

HAC-RF Emission ANT 2

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 - SN4028; ConvF(1, 1, 1); Calibrated: 7/24/2017;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1472; Calibrated: 3/8/2018
- 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 = 115.9 V/m; Power Drift = -0.06 dB

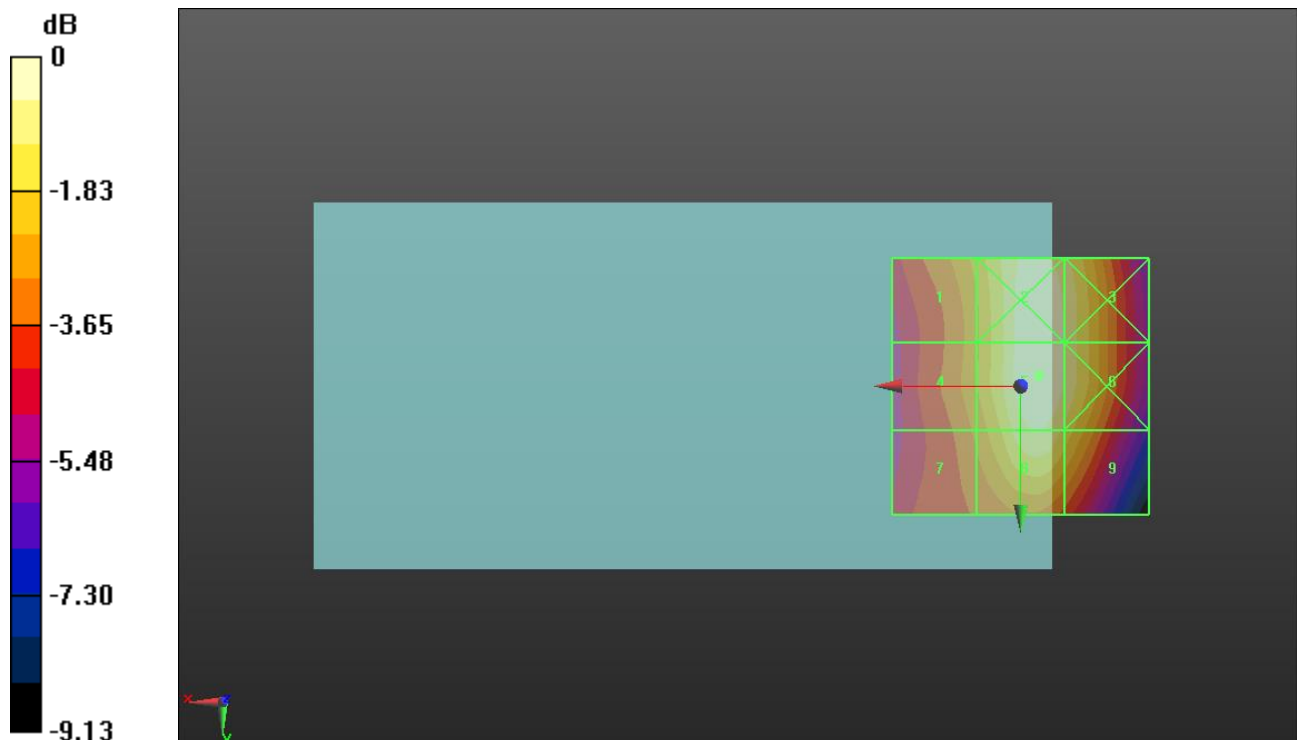
Applied MIF = 3.26 dB

RF audio interference level = 40.01 dBV/m

Emission category: **M3**

MIF scaled E-field

Grid 1 M4 37.85 dBV/m	Grid 2 M4 39.96 dBV/m	Grid 3 M4 39.34 dBV/m
Grid 4 M4 37.59 dBV/m	Grid 5 M3 40.01 dBV/m	Grid 6 M4 39.37 dBV/m
Grid 7 M4 37.18 dBV/m	Grid 8 M4 39.43 dBV/m	Grid 9 M4 38.64 dBV/m



0 dB = 100.1 V/m = 40.01 dBV/m

HAC-RF Emission ANT 2

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 - SN4028; ConvF(1, 1, 1); Calibrated: 7/24/2017;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1472; Calibrated: 3/8/2018
- 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 = 31.03 V/m; Power Drift = -0.05 dB

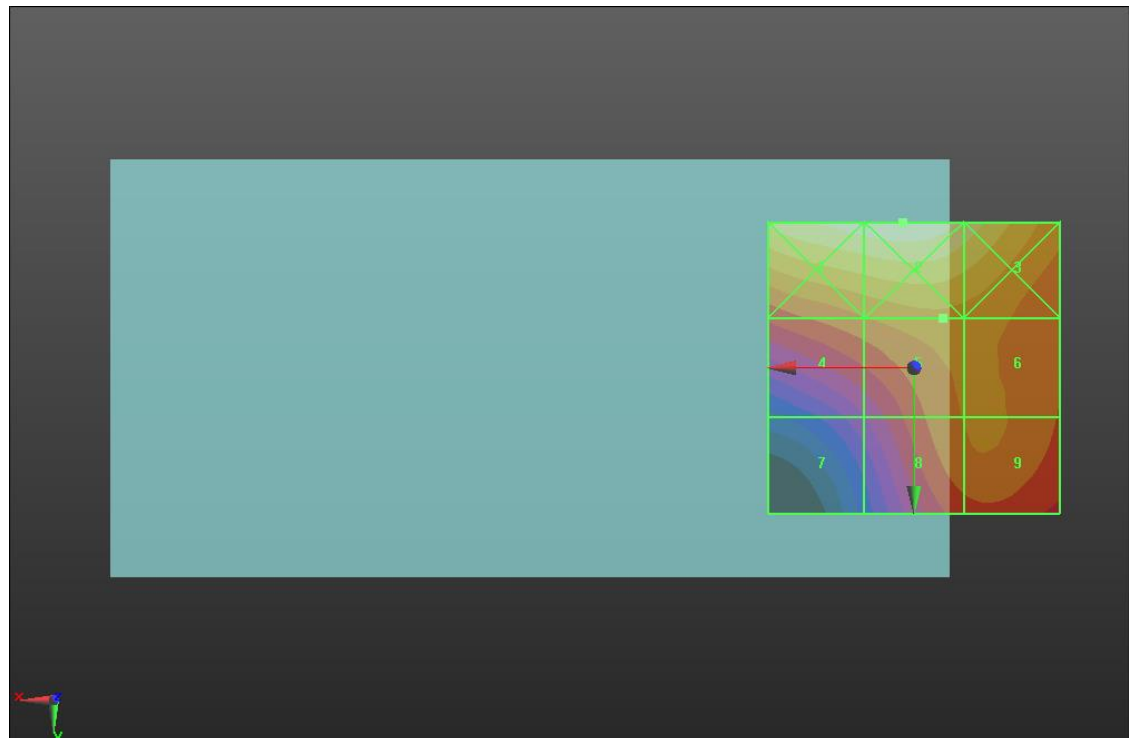
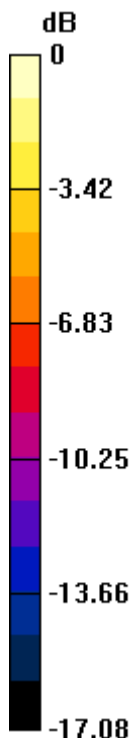
Applied MIF = 3.26 dB

RF audio interference level = 31.89 dBV/m

Emission category: **M3**

MIF scaled E-field

Grid 1 M2 36.4 dBV/m	Grid 2 M2 36.75 dBV/m	Grid 3 M2 35.33 dBV/m
Grid 4 M3 30.97 dBV/m	Grid 5 M3 31.89 dBV/m	Grid 6 M3 31.77 dBV/m
Grid 7 M4 26.48 dBV/m	Grid 8 M3 31.12 dBV/m	Grid 9 M3 31.28 dBV/m



0 dB = 68.78 V/m = 36.75 dBV/m

HAC-RF Emission ANT 2

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 - SN4028; ConvF(1, 1, 1); Calibrated: 7/24/2017;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1472; Calibrated: 3/8/2018
- 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 = 34.33 V/m; Power Drift = -0.04 dB

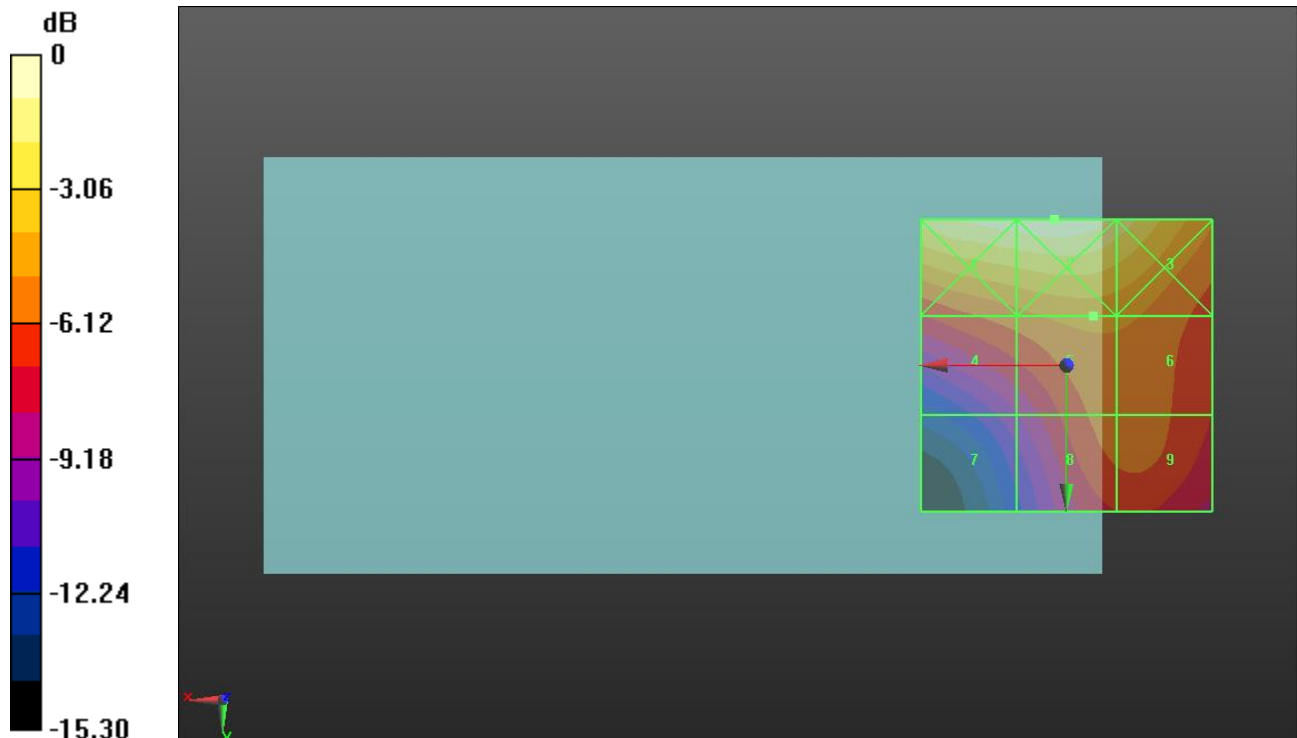
Applied MIF = 3.26 dB

RF audio interference level = 32.56 dBV/m

Emission category: **M3**

MIF scaled E-field

Grid 1 M2 36.94 dBV/m	Grid 2 M2 37.22 dBV/m	Grid 3 M2 35.95 dBV/m
Grid 4 M3 31.76 dBV/m	Grid 5 M3 32.56 dBV/m	Grid 6 M3 32.44 dBV/m
Grid 7 M4 27.99 dBV/m	Grid 8 M3 31.66 dBV/m	Grid 9 M3 31.72 dBV/m



0 dB = 72.59 V/m = 37.22 dBV/m

HAC-RF Emission ANT 2

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 - SN4028; ConvF(1, 1, 1); Calibrated: 7/24/2017;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1472; Calibrated: 3/8/2018
- 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 = 34.64 V/m; Power Drift = -0.06 dB

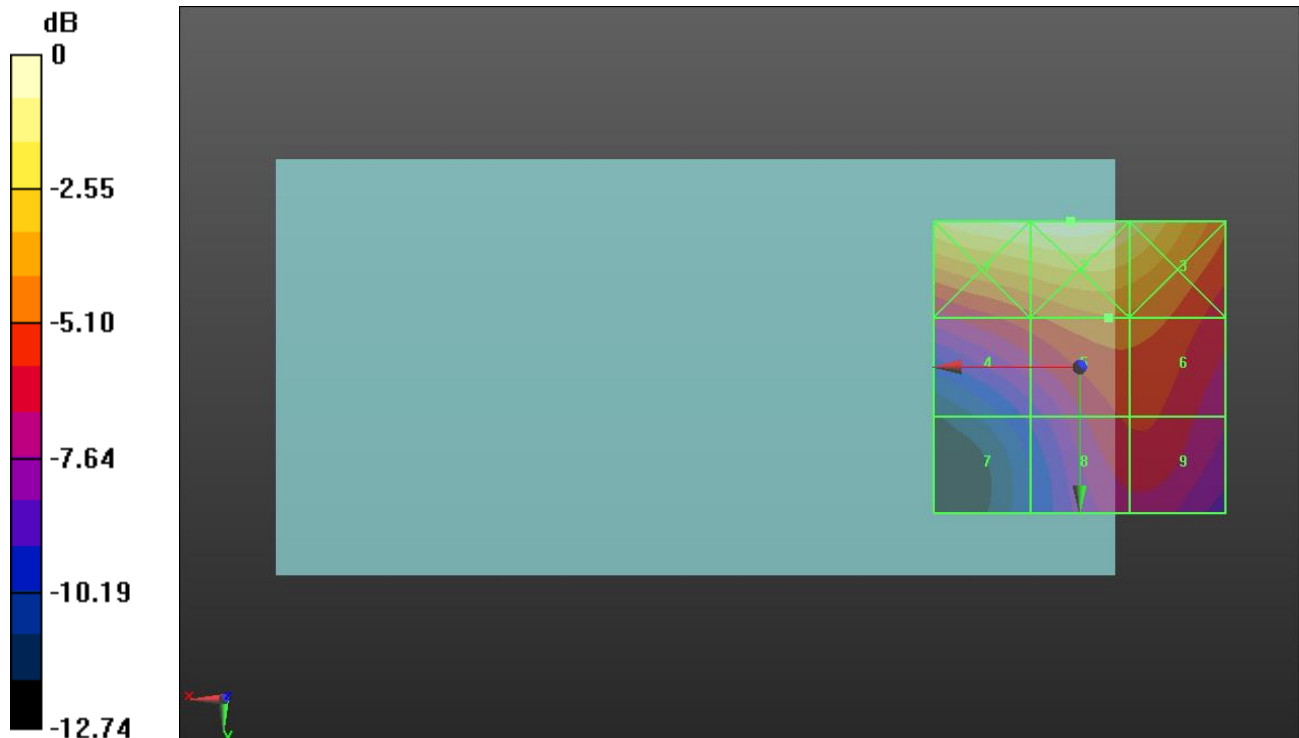
Applied MIF = 3.26 dB

RF audio interference level = 32.89 dBV/m

Emission category: **M3**

MIF scaled E-field

Grid 1 M2 36.89 dBV/m	Grid 2 M2 37.21 dBV/m	Grid 3 M2 36.14 dBV/m
Grid 4 M3 31.89 dBV/m	Grid 5 M3 32.89 dBV/m	Grid 6 M3 32.78 dBV/m
Grid 7 M4 28.17 dBV/m	Grid 8 M3 31.4 dBV/m	Grid 9 M3 31.44 dBV/m



0 dB = 72.55 V/m = 37.21 dBV/m

HAC-RF Emission ANT 2

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 - SN4028; ConvF(1, 1, 1); Calibrated: 7/24/2017;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1472; Calibrated: 3/8/2018
- 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 = 130.7 V/m; Power Drift = -0.05 dB

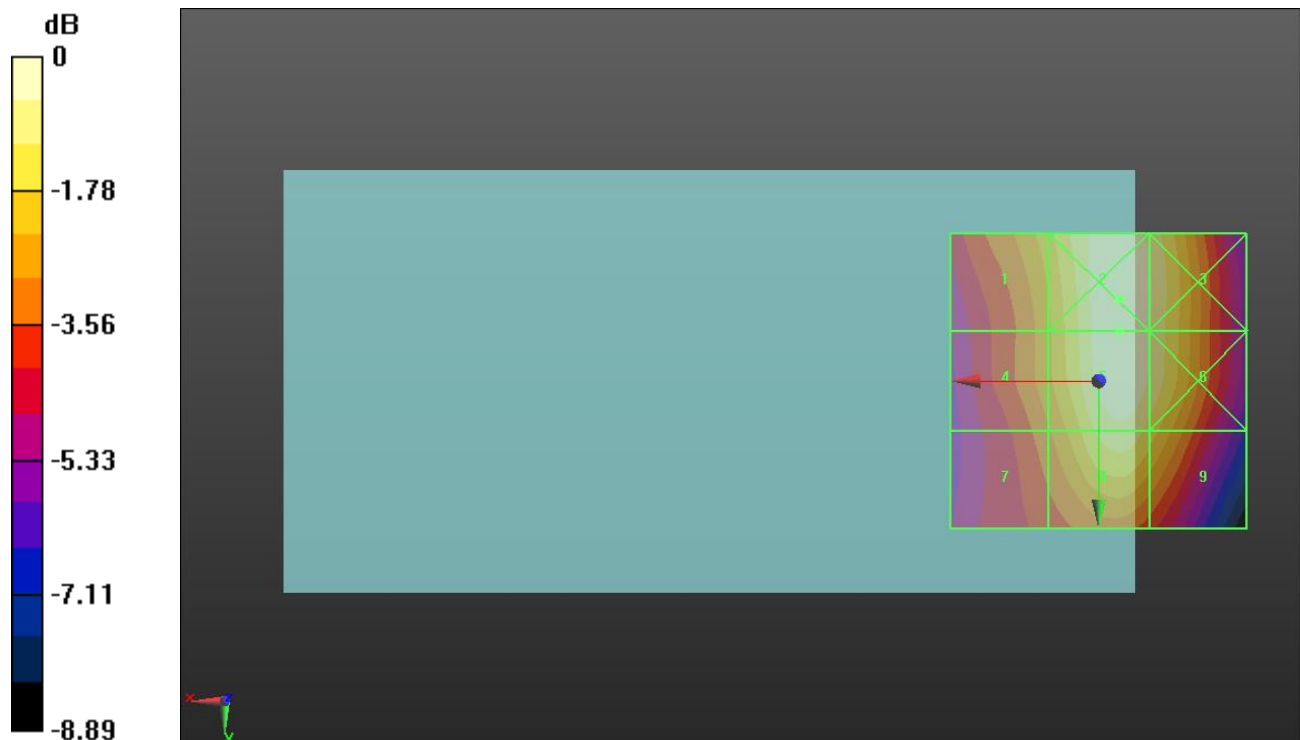
Applied MIF = 3.26 dB

RF audio interference level = 41.27 dBV/m

Emission category: **M3**

MIF scaled E-field

Grid 1 M4 39.34 dBV/m	Grid 2 M3 41.3 dBV/m	Grid 3 M3 40.8 dBV/m
Grid 4 M4 38.83 dBV/m	Grid 5 M3 41.27 dBV/m	Grid 6 M3 40.73 dBV/m
Grid 7 M4 38.26 dBV/m	Grid 8 M3 40.54 dBV/m	Grid 9 M4 39.89 dBV/m



0 dB = 116.1 V/m = 41.30 dBV/m

HAC-RF Emission ANT 2

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 - SN4028; ConvF(1, 1, 1); Calibrated: 7/24/2017;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1472; Calibrated: 3/8/2018
- 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 = 129.0 V/m; Power Drift = 0.11 dB

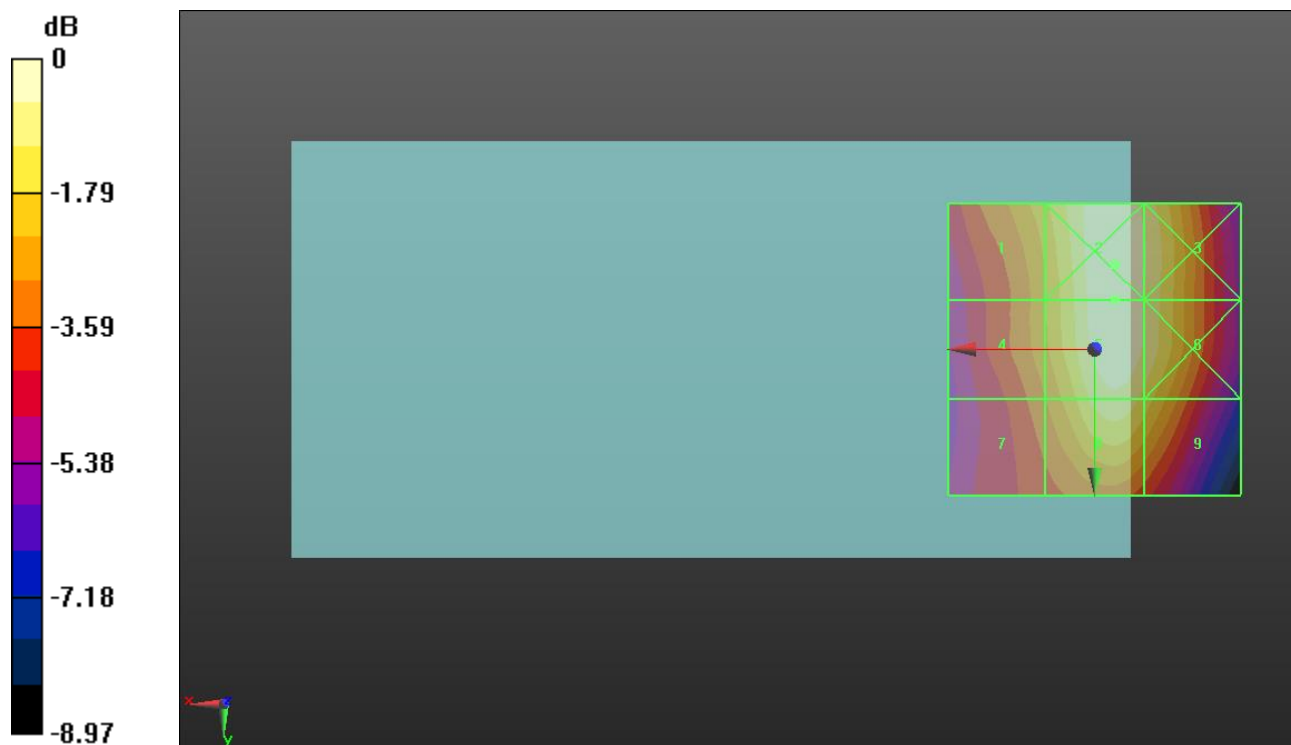
Applied MIF = 3.26 dB

RF audio interference level = 41.31 dBV/m

Emission category: **M3**

MIF scaled E-field

Grid 1 M4 39.44 dBV/m	Grid 2 M3 41.34 dBV/m	Grid 3 M3 40.82 dBV/m
Grid 4 M4 38.9 dBV/m	Grid 5 M3 41.31 dBV/m	Grid 6 M3 40.76 dBV/m
Grid 7 M4 38.35 dBV/m	Grid 8 M3 40.6 dBV/m	Grid 9 M4 39.92 dBV/m



0 dB = 116.7 V/m = 41.34 dBV/m

HAC-RF Emission ANT 2

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 - SN4028; ConvF(1, 1, 1); Calibrated: 7/24/2017;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1472; Calibrated: 3/8/2018
- 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 = 134.9 V/m; Power Drift = -0.04 dB

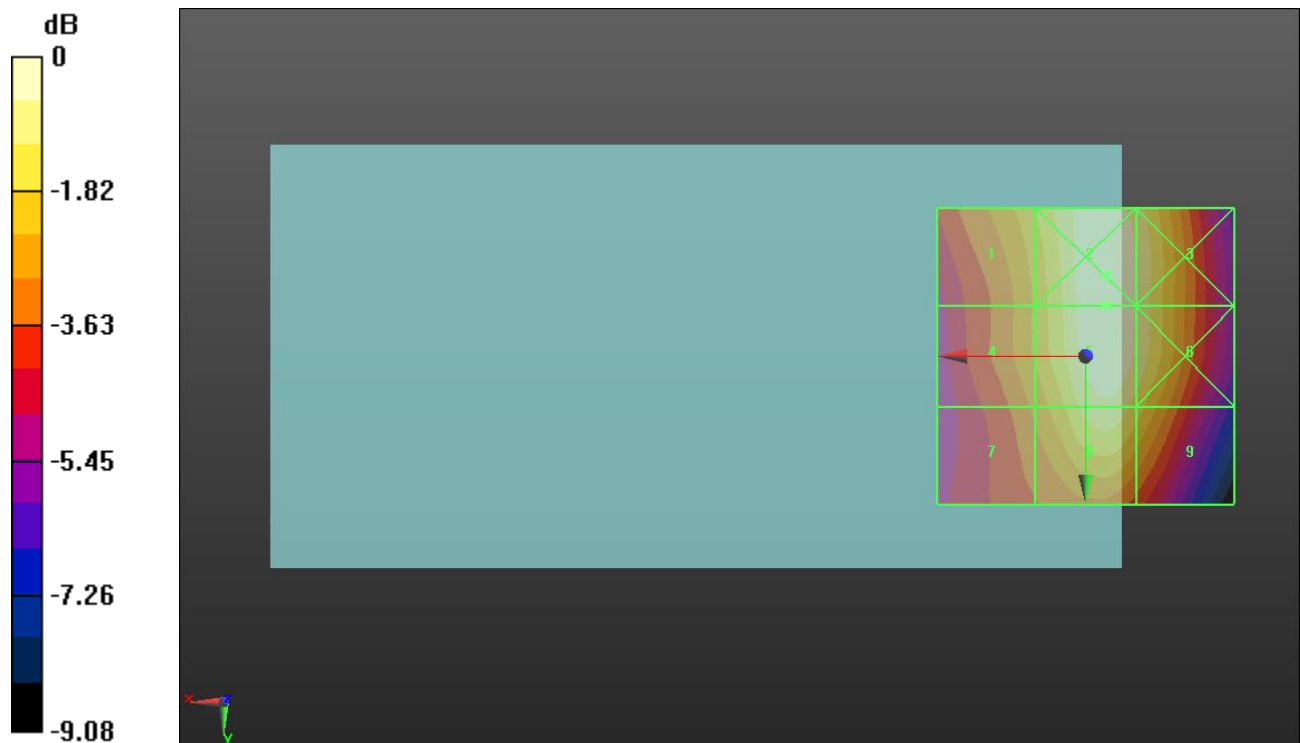
Applied MIF = 3.26 dB

RF audio interference level = 41.52 dBV/m

Emission category: **M3**

MIF scaled E-field

Grid 1 M4 39.7 dBV/m	Grid 2 M3 41.53 dBV/m	Grid 3 M3 40.93 dBV/m
Grid 4 M4 39.23 dBV/m	Grid 5 M3 41.52 dBV/m	Grid 6 M3 40.9 dBV/m
Grid 7 M4 38.68 dBV/m	Grid 8 M3 40.8 dBV/m	Grid 9 M3 40.07 dBV/m



0 dB = 119.3 V/m = 41.53 dBV/m

HAC-RF Emission ANT 2

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 - SN4028; ConvF(1, 1, 1); Calibrated: 7/24/2017;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1472; Calibrated: 3/8/2018
- 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 = 39.35 V/m; Power Drift = 0.04 dB

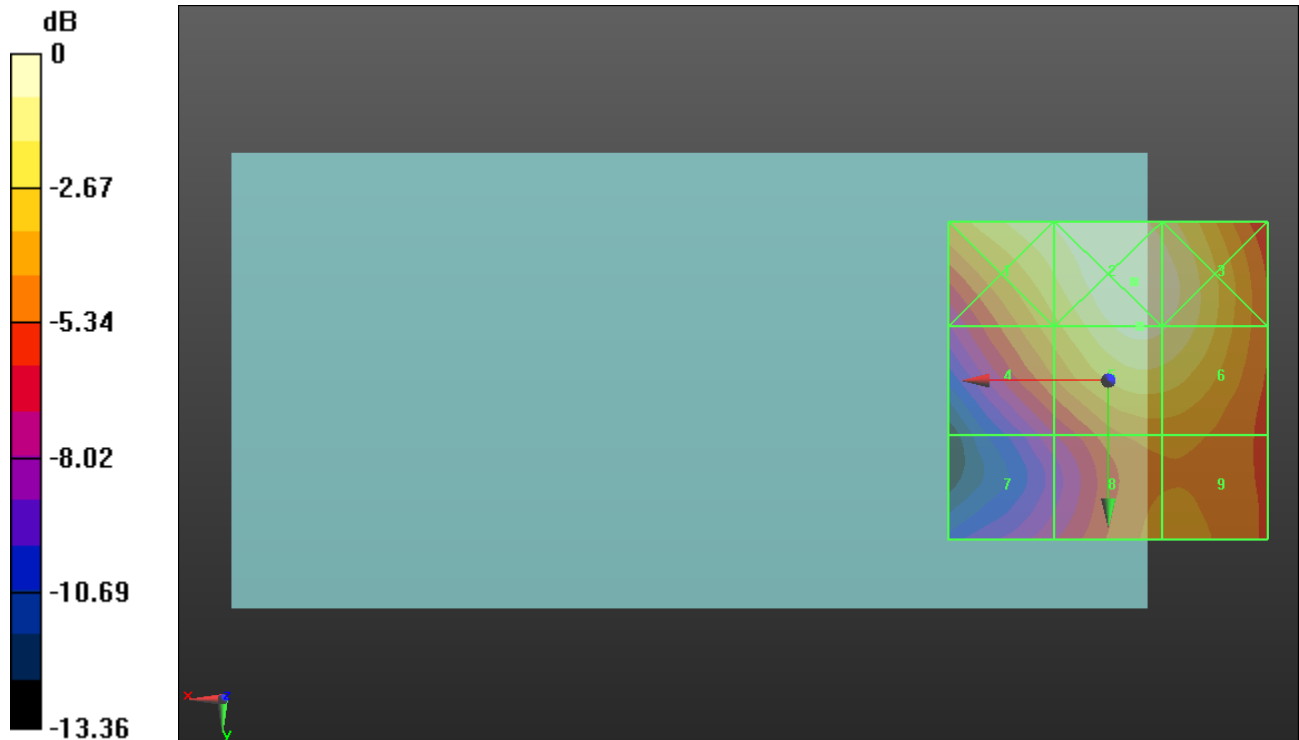
Applied MIF = -1.44 dB

RF audio interference level = 28.25 dBV/m

Emission category: **M4**

MIF scaled E-field

Grid 1 M4 28.04 dBV/m	Grid 2 M4 28.79 dBV/m	Grid 3 M4 28.42 dBV/m
Grid 4 M4 25.83 dBV/m	Grid 5 M4 28.25 dBV/m	Grid 6 M4 28.02 dBV/m
Grid 7 M4 21.61 dBV/m	Grid 8 M4 24.72 dBV/m	Grid 9 M4 24.72 dBV/m



0 dB = 27.50 V/m = 28.79 dBV/m

HAC-RF Emission ANT 2

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 - SN4028; ConvF(1, 1, 1); Calibrated: 7/24/2017;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1472; Calibrated: 3/8/2018
- 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 = 42.24 V/m; Power Drift = -0.16 dB

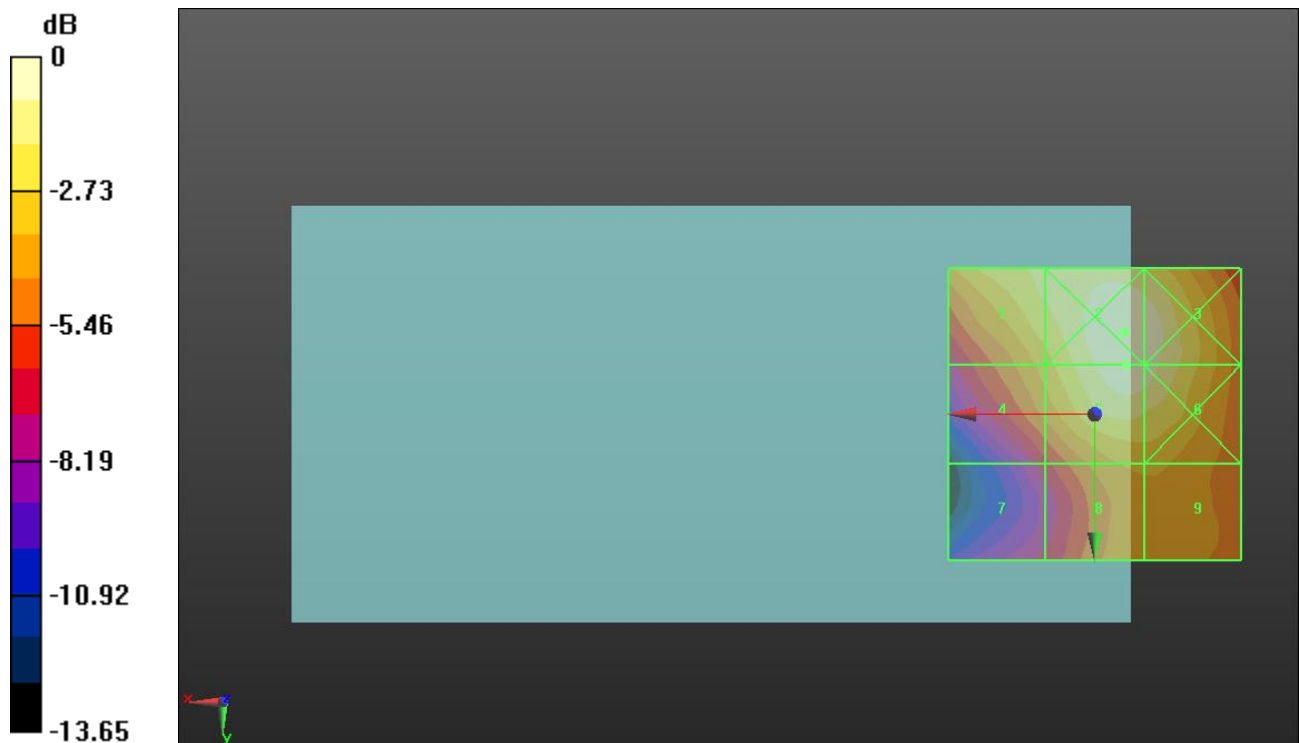
Applied MIF = -1.44 dB

RF audio interference level = 27.97 dBV/m

Emission category: **M4**

MIF scaled E-field

Grid 1 M4 26.68 dBV/m	Grid 2 M4 28.24 dBV/m	Grid 3 M4 28.01 dBV/m
Grid 4 M4 25.08 dBV/m	Grid 5 M4 27.97 dBV/m	Grid 6 M4 27.75 dBV/m
Grid 7 M4 21.56 dBV/m	Grid 8 M4 24.87 dBV/m	Grid 9 M4 24.87 dBV/m



0 dB = 25.83 V/m = 28.24 dBV/m

HAC-RF Emission ANT 2

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 - SN4028; ConvF(1, 1, 1); Calibrated: 7/24/2017;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1472; Calibrated: 3/8/2018
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.8 (7);SEMCAD X Version 14.6.10 (7164)

LTE Band 41 E-Field measurement/LTE TDD_16QAM_RB 1/49_ch 40620/Hearing Aid

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

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 50.46 V/m; Power Drift = -0.01 dB

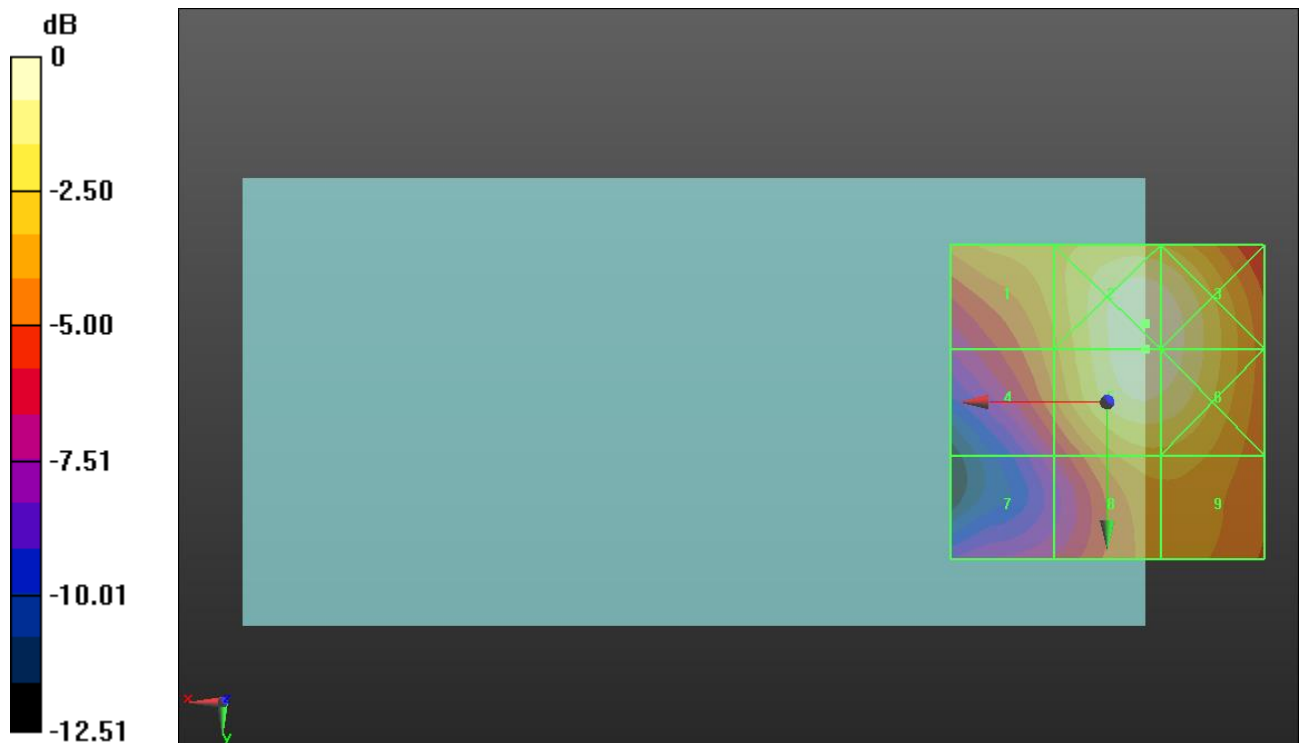
Applied MIF = -1.44 dB

RF audio interference level = 28.61 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 25.89 dBV/m	Grid 2 M4 28.67 dBV/m	Grid 3 M4 28.5 dBV/m
Grid 4 M4 25.11 dBV/m	Grid 5 M4 28.61 dBV/m	Grid 6 M4 28.46 dBV/m
Grid 7 M4 22.18 dBV/m	Grid 8 M4 25.91 dBV/m	Grid 9 M4 25.91 dBV/m



HAC-RF Emission ANT 2

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 - SN4028; ConvF(1, 1, 1); Calibrated: 7/24/2017;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1472; Calibrated: 3/8/2018
- 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 = 54.38 V/m; Power Drift = -0.01 dB

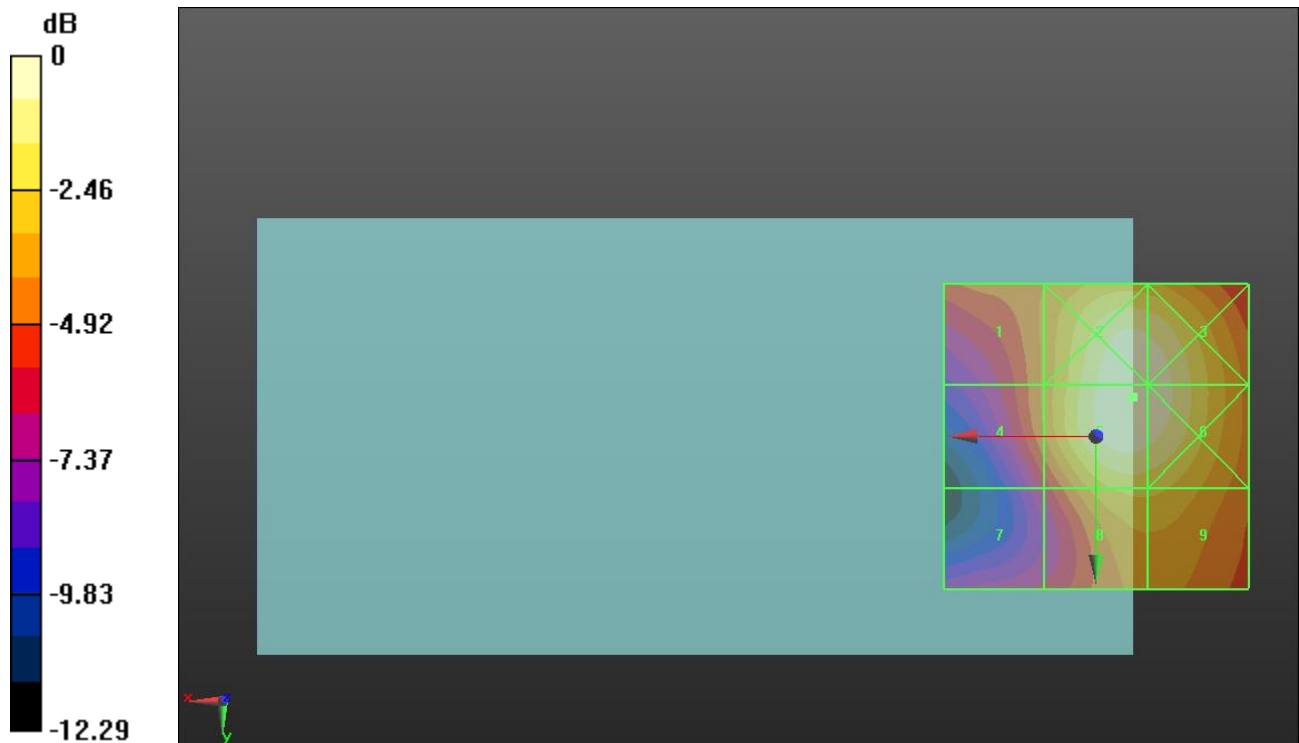
Applied MIF = -1.44 dB

RF audio interference level = 28.26 dBV/m

Emission category: **M4**

MIF scaled E-field

Grid 1 M4 24.38 dBV/m	Grid 2 M4 28.23 dBV/m	Grid 3 M4 28.11 dBV/m
Grid 4 M4 24.43 dBV/m	Grid 5 M4 28.26 dBV/m	Grid 6 M4 28.14 dBV/m
Grid 7 M4 22.01 dBV/m	Grid 8 M4 26.1 dBV/m	Grid 9 M4 26.06 dBV/m



0 dB = 25.88 V/m = 28.26 dBV/m

HAC-RF Emission ANT 2

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 - SN4028; ConvF(1, 1, 1); Calibrated: 7/24/2017;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1472; Calibrated: 3/8/2018
- 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 = 57.22 V/m; Power Drift = -0.07 dB

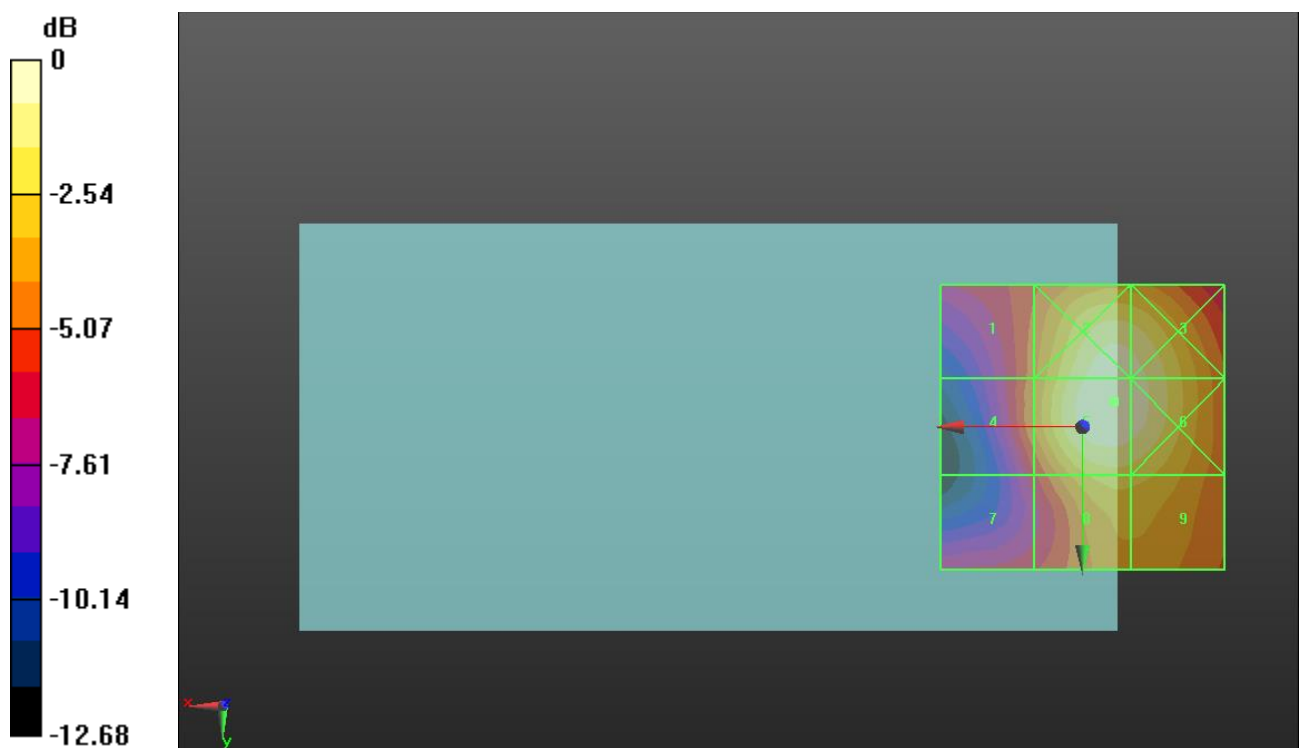
Applied MIF = -1.44 dB

RF audio interference level = 28.17 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 23.8 dBV/m	Grid 2 M4 27.99 dBV/m	Grid 3 M4 27.77 dBV/m
Grid 4 M4 24.14 dBV/m	Grid 5 M4 28.17 dBV/m	Grid 6 M4 27.89 dBV/m
Grid 7 M4 22.18 dBV/m	Grid 8 M4 26.14 dBV/m	Grid 9 M4 26.02 dBV/m



0 dB = 25.63 V/m = 28.17 dBV/m

HAC-RF Emission ANT 3

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 - SN4028; ConvF(1, 1, 1); Calibrated: 7/24/2017;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1472; Calibrated: 3/8/2018
- 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 = 16.46 V/m; Power Drift = -0.03 dB

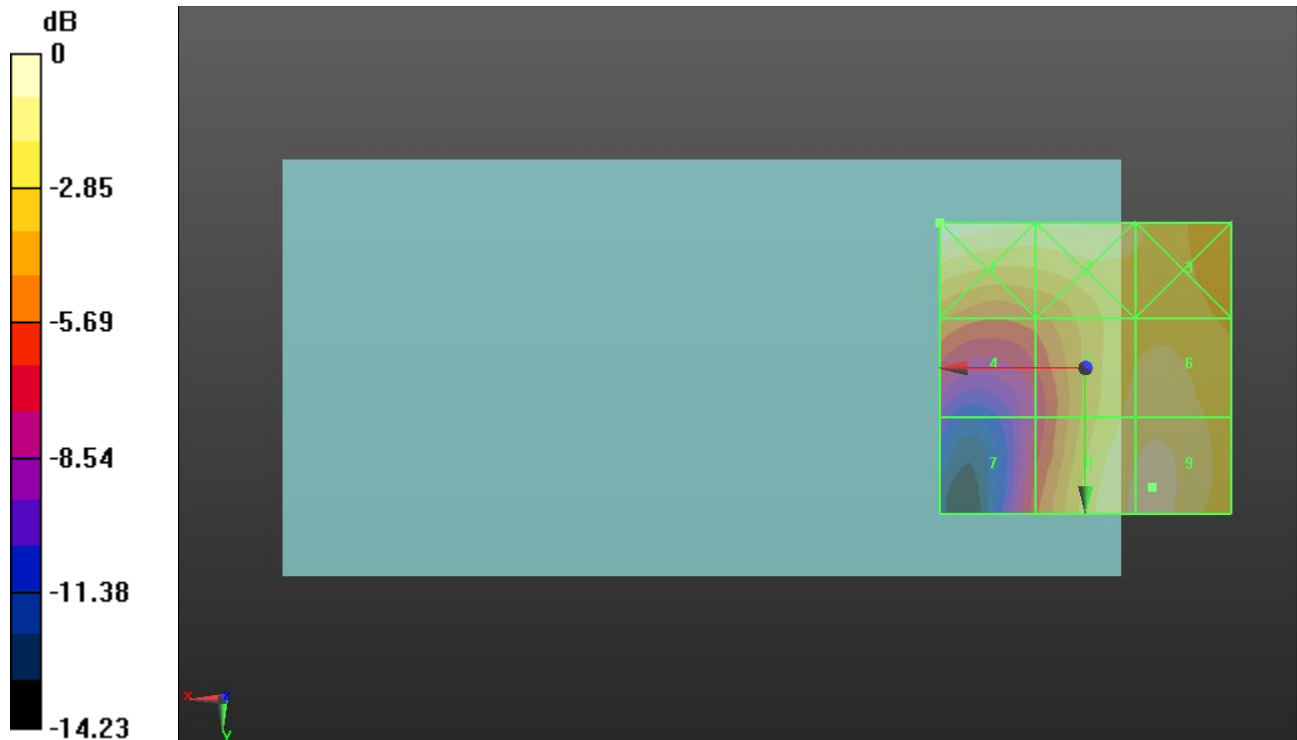
Applied MIF = 3.63 dB

RF audio interference level = 28.70 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 29.4 dBV/m	Grid 2 M4 28.59 dBV/m	Grid 3 M4 27.76 dBV/m
Grid 4 M4 24.97 dBV/m	Grid 5 M4 27.97 dBV/m	Grid 6 M4 28.23 dBV/m
Grid 7 M4 23.55 dBV/m	Grid 8 M4 28.57 dBV/m	Grid 9 M4 28.7 dBV/m



0 dB = 29.53 V/m = 29.41 dBV/m

HAC-RF Emission ANT 3

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 - SN4028; ConvF(1, 1, 1); Calibrated: 7/24/2017;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1472; Calibrated: 3/8/2018
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

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

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

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 15.40 V/m; Power Drift = -0.08 dB

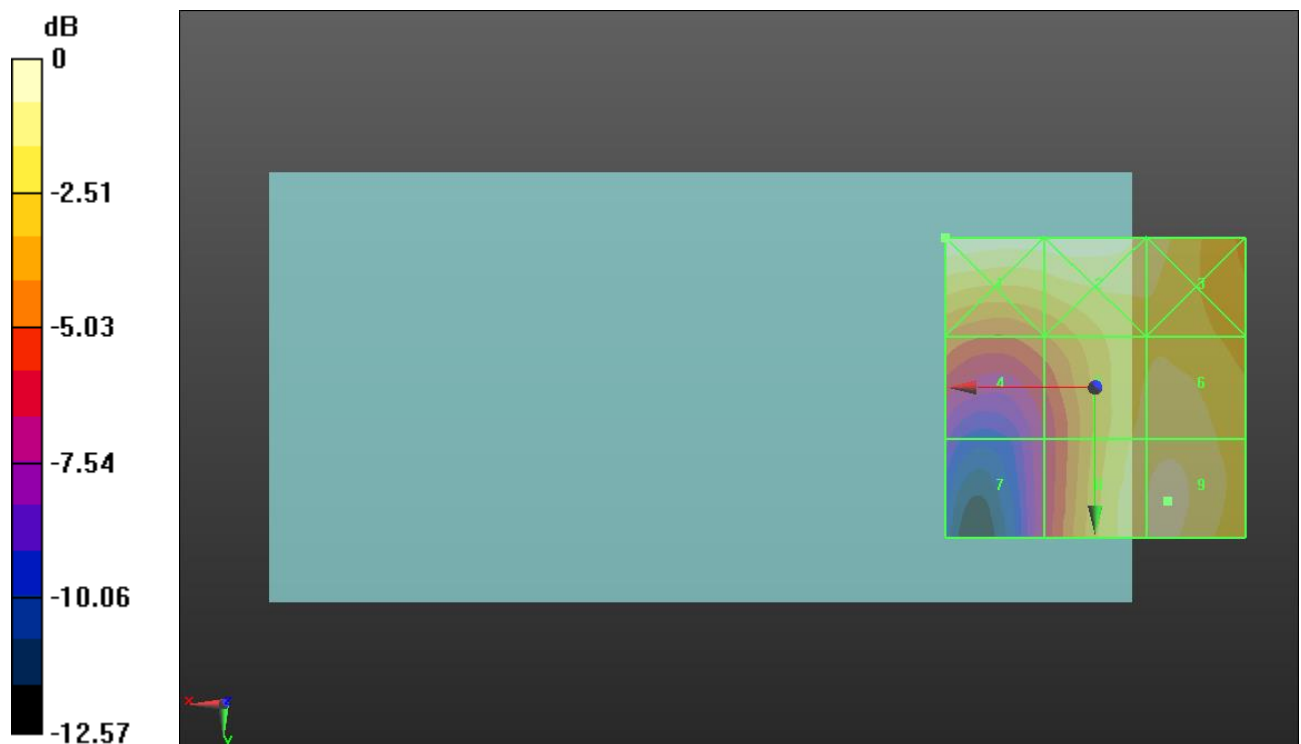
Applied MIF = 3.63 dB

RF audio interference level = 27.65 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 28.31 dBV/m	Grid 2 M4 28.04 dBV/m	Grid 3 M4 27.27 dBV/m
Grid 4 M4 24.07 dBV/m	Grid 5 M4 27.04 dBV/m	Grid 6 M4 27.29 dBV/m
Grid 7 M4 21.85 dBV/m	Grid 8 M4 27.47 dBV/m	Grid 9 M4 27.65 dBV/m



0 dB = 26.04 V/m = 28.31 dBV/m

HAC-RF Emission ANT 3

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 - SN4028; ConvF(1, 1, 1); Calibrated: 7/24/2017;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1472; Calibrated: 3/8/2018
- 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 = 13.85 V/m; Power Drift = -0.09 dB

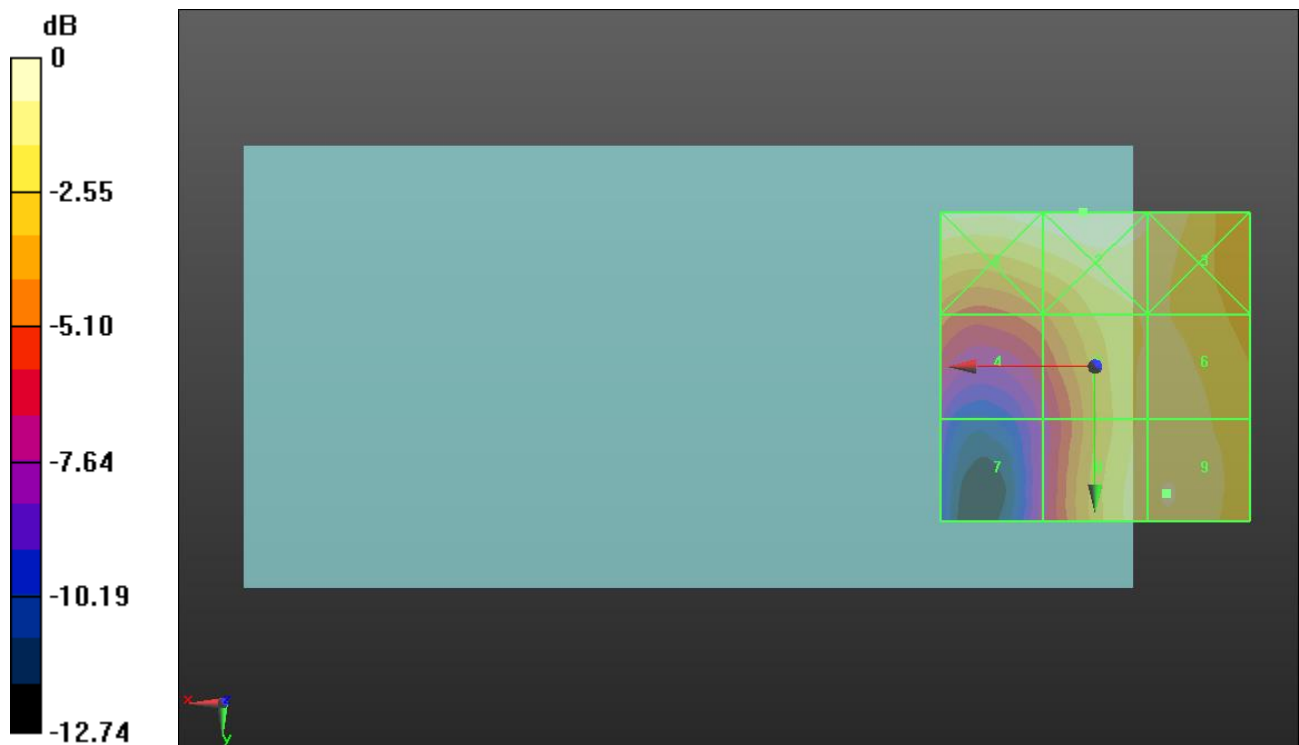
Applied MIF = 3.63 dB

RF audio interference level = 26.49 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 27.04 dBV/m	Grid 2 M4 27.31 dBV/m	Grid 3 M4 26.63 dBV/m
Grid 4 M4 22.98 dBV/m	Grid 5 M4 25.98 dBV/m	Grid 6 M4 26.19 dBV/m
Grid 7 M4 20.3 dBV/m	Grid 8 M4 26.29 dBV/m	Grid 9 M4 26.49 dBV/m



0 dB = 23.20 V/m = 27.31 dBV/m

HAC-RF Emission ANT 3

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 - SN4028; ConvF(1, 1, 1); Calibrated: 7/24/2017;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1472; Calibrated: 3/8/2018
- 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 = 8.163 V/m; Power Drift = -0.11 dB

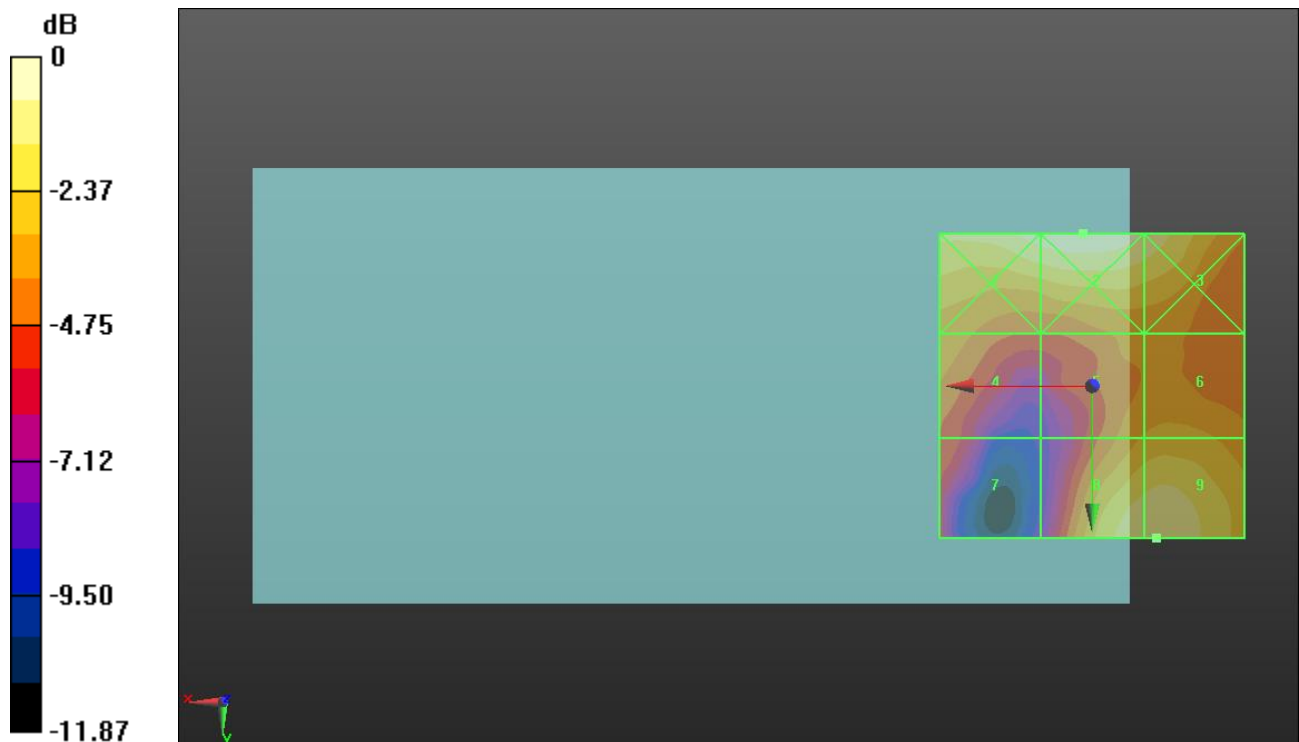
Applied MIF = -1.44 dB

RF audio interference level = 19.18 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 19.84 dBV/m	Grid 2 M4 20.17 dBV/m	Grid 3 M4 19.36 dBV/m
Grid 4 M4 16.75 dBV/m	Grid 5 M4 17.12 dBV/m	Grid 6 M4 17.36 dBV/m
Grid 7 M4 15.36 dBV/m	Grid 8 M4 19.14 dBV/m	Grid 9 M4 19.18 dBV/m



0 dB = 10.20 V/m = 20.17 dBV/m

HAC-RF Emission ANT 3

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 - SN4028; ConvF(1, 1, 1); Calibrated: 7/24/2017;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1472; Calibrated: 3/8/2018
- 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 = 7.897 V/m; Power Drift = 0.01 dB

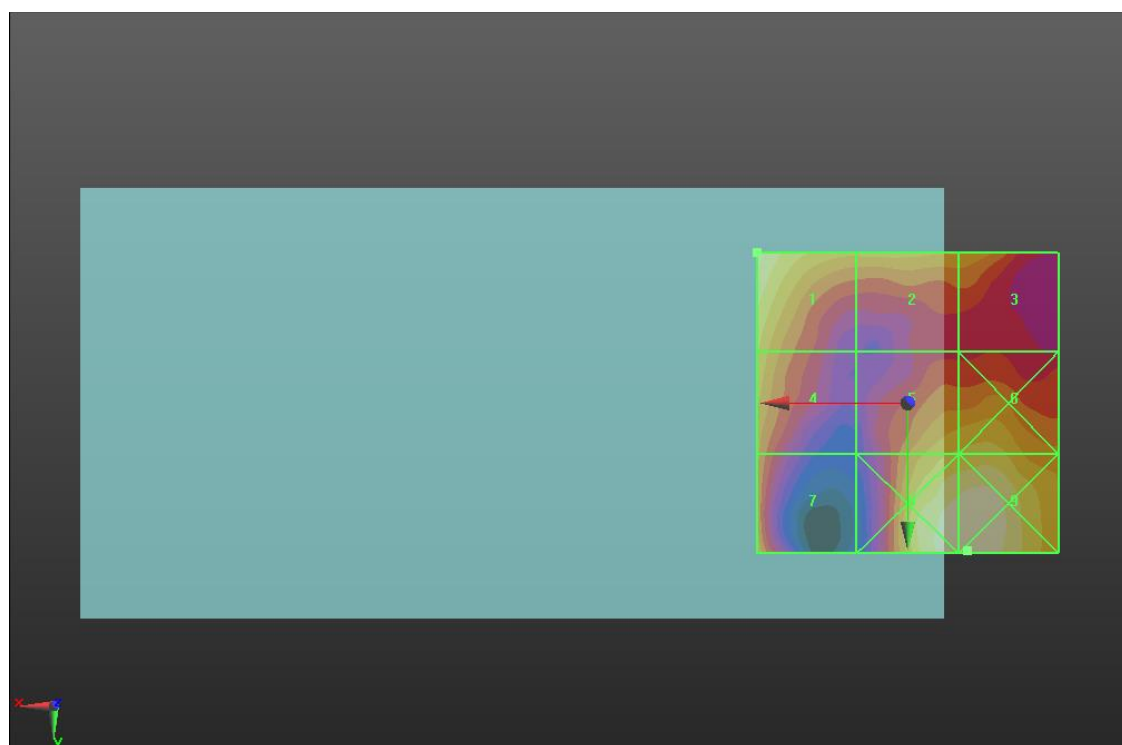
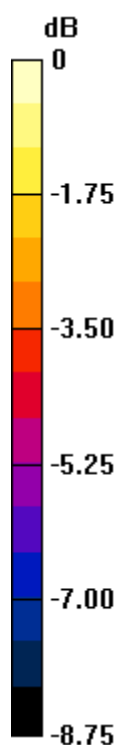
Applied MIF = -1.44 dB

RF audio interference level = 17.83 dBV/m

Emission category: **M4**

MIF scaled E-field

Grid 1 M4 17.83 dBV/m	Grid 2 M4 16.1 dBV/m	Grid 3 M4 15.86 dBV/m
Grid 4 M4 16.44 dBV/m	Grid 5 M4 16.5 dBV/m	Grid 6 M4 16.69 dBV/m
Grid 7 M4 16.01 dBV/m	Grid 8 M4 18.07 dBV/m	Grid 9 M4 18.13 dBV/m



0 dB = 8.062 V/m = 18.13 dBV/m

HAC-RF Emission ANT 3

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 - SN4028; ConvF(1, 1, 1); Calibrated: 7/24/2017;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1472; Calibrated: 3/8/2018
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.8 (7);SEMCAD X Version 14.6.10 (7164)

LTE Band 41 E-Field measurement/LTE TDD_16QAM_RB 1/49_ch 40620/Hearing Aid

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

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 9.410 V/m; Power Drift = -0.14 dB

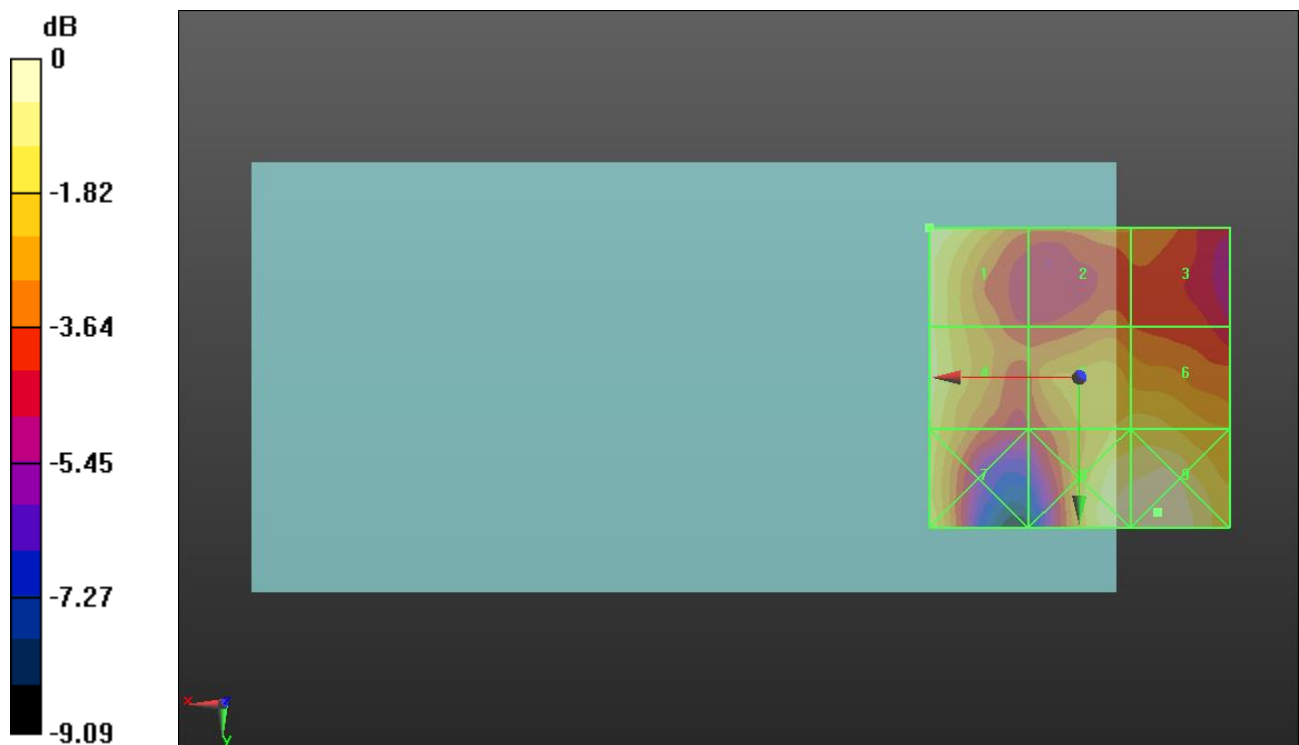
Applied MIF = -1.44 dB

RF audio interference level = 16.19 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 16.19 dBV/m	Grid 2 M4 14.08 dBV/m	Grid 3 M4 13.91 dBV/m
Grid 4 M4 16.03 dBV/m	Grid 5 M4 15.23 dBV/m	Grid 6 M4 15.29 dBV/m
Grid 7 M4 15.66 dBV/m	Grid 8 M4 16.56 dBV/m	Grid 9 M4 16.82 dBV/m



0 dB = 6.935 V/m = 16.82 dBV/m

HAC-RF Emission ANT 3

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 - SN4028; ConvF(1, 1, 1); Calibrated: 7/24/2017;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1472; Calibrated: 3/8/2018
- 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 = 10.98 V/m; Power Drift = -0.10 dB

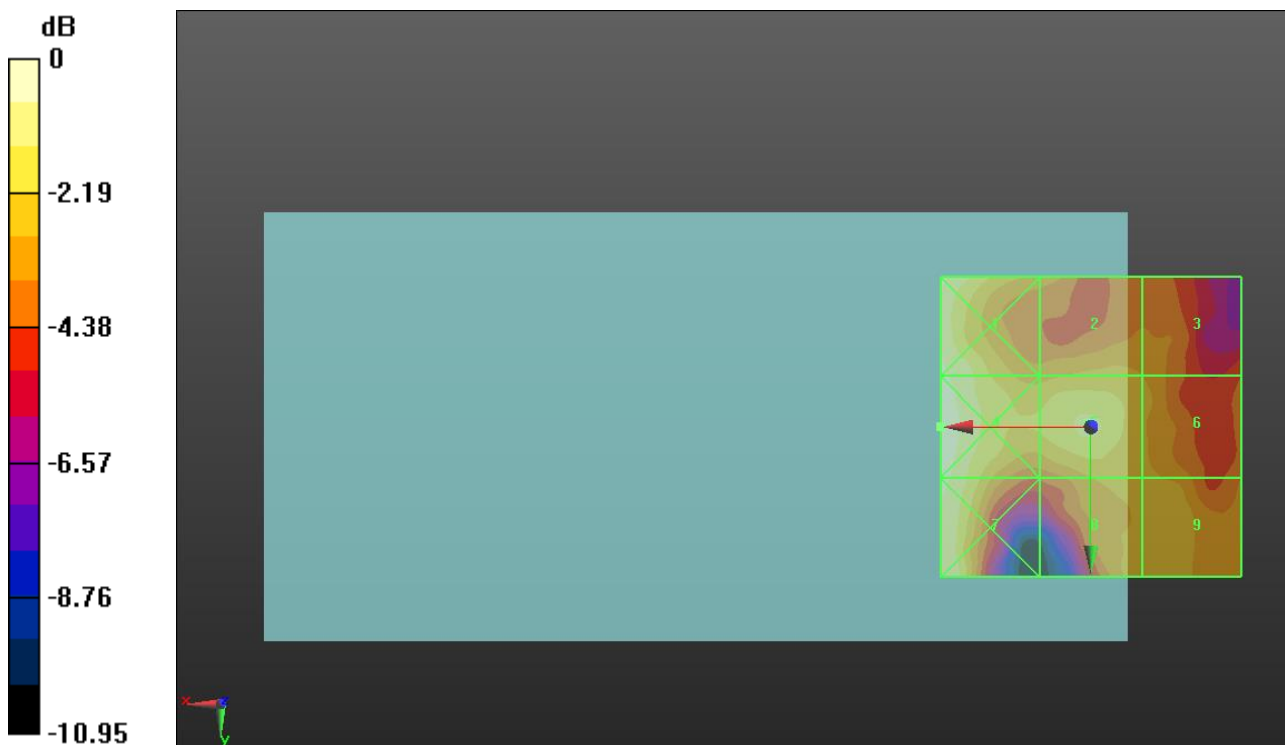
Applied MIF = -1.44 dB

RF audio interference level = 15.07 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 15.89 dBV/m	Grid 2 M4 13.71 dBV/m	Grid 3 M4 13.43 dBV/m
Grid 4 M4 16.34 dBV/m	Grid 5 M4 15.07 dBV/m	Grid 6 M4 13.72 dBV/m
Grid 7 M4 15.83 dBV/m	Grid 8 M4 13.82 dBV/m	Grid 9 M4 13.99 dBV/m



0 dB = 6.559 V/m = 16.34 dBV/m

HAC RF Emission ANT 3

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 - SN4028; ConvF(1, 1, 1); Calibrated: 7/24/2017;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1472; Calibrated: 3/8/2018
- 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 = 10.15 V/m; Power Drift = -0.04 dB

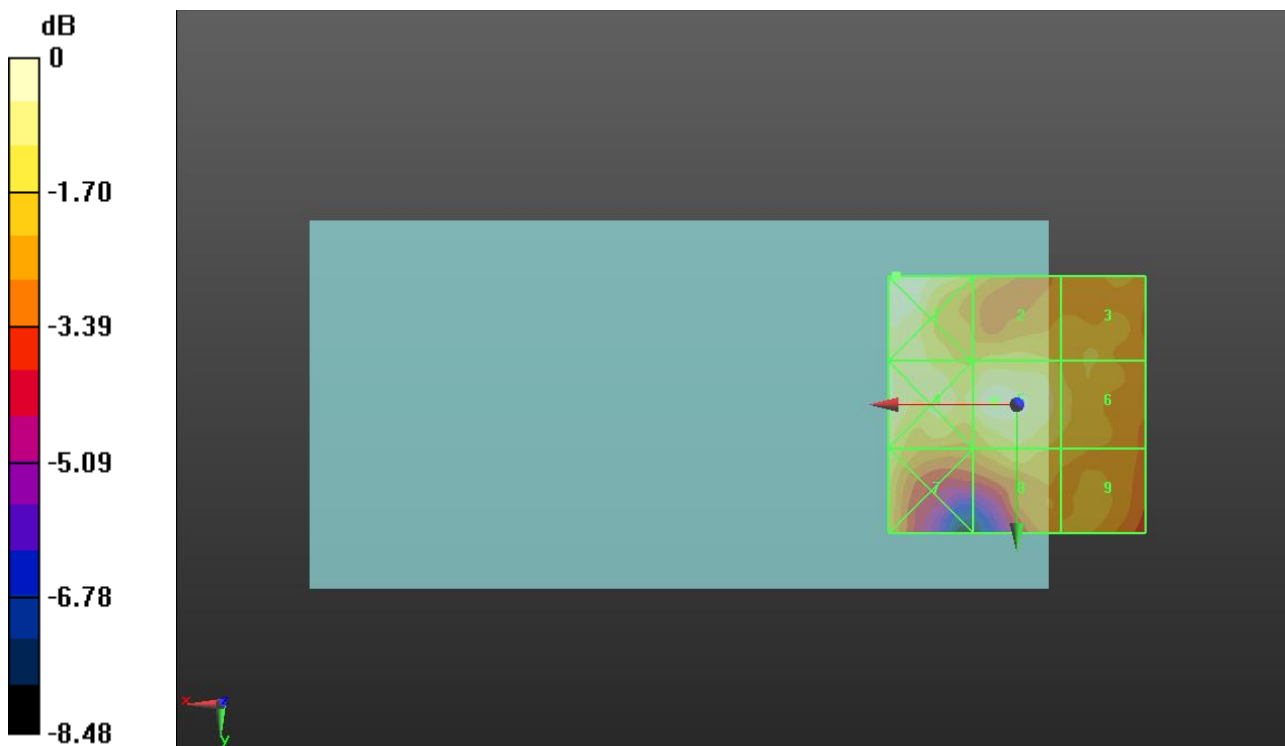
Applied MIF = -1.44 dB

RF audio interference level = 15.21 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 15.26 dBV/m	Grid 2 M4 13.85 dBV/m	Grid 3 M4 13.65 dBV/m
Grid 4 M4 15 dBV/m	Grid 5 M4 15.21 dBV/m	Grid 6 M4 13.83 dBV/m
Grid 7 M4 14.44 dBV/m	Grid 8 M4 14.1 dBV/m	Grid 9 M4 13.33 dBV/m



0 dB = 5.791 V/m = 15.26 dBV/m

HAC-RF Emission ANT 3

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 - SN4028; ConvF(1, 1, 1); Calibrated: 7/24/2017;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1472; Calibrated: 3/8/2018
- 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 = 11.84 V/m; Power Drift = 0.14 dB

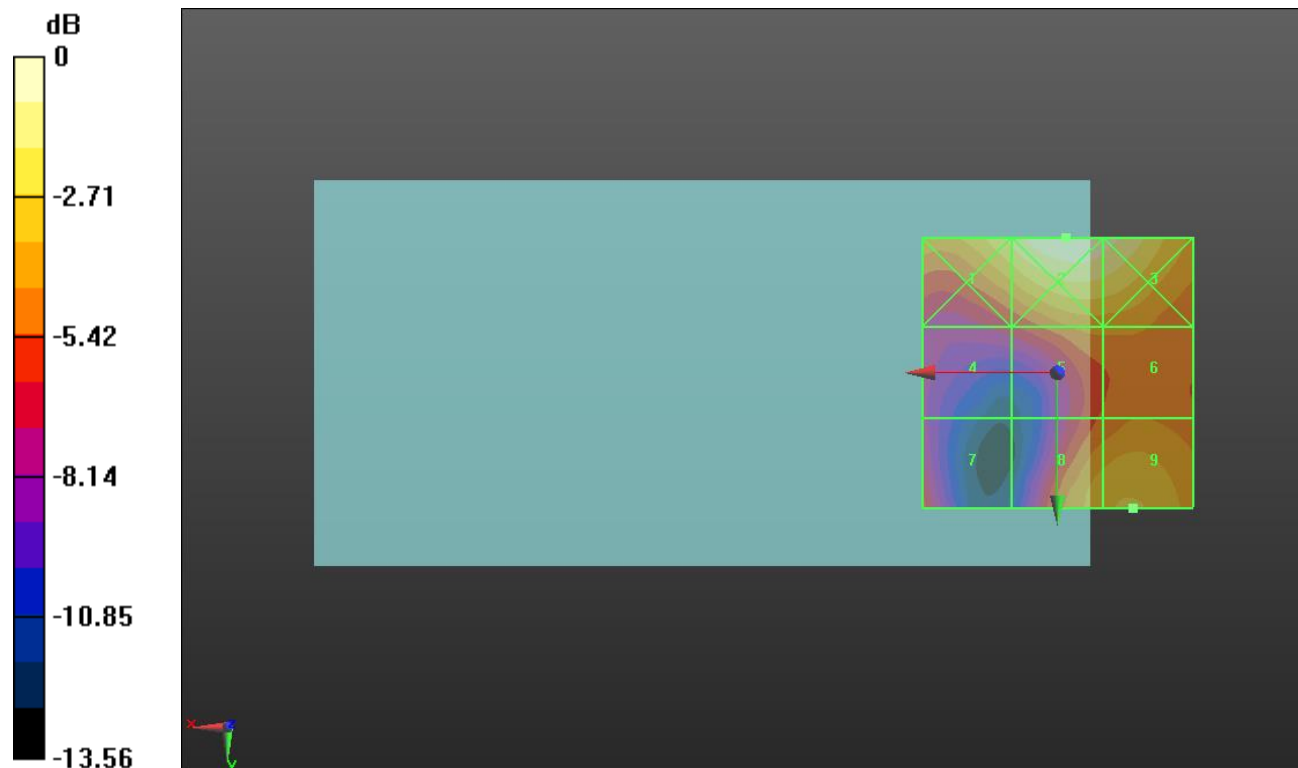
Applied MIF = -1.44 dB

RF audio interference level = 23.08 dBV/m

Emission category: **M4**

MIF scaled E-field

Grid 1 M4 24.23 dBV/m	Grid 2 M4 25.67 dBV/m	Grid 3 M4 25.2 dBV/m
Grid 4 M4 19.15 dBV/m	Grid 5 M4 21.53 dBV/m	Grid 6 M4 21.51 dBV/m
Grid 7 M4 19.93 dBV/m	Grid 8 M4 22.73 dBV/m	Grid 9 M4 23.08 dBV/m



0 dB = 19.22 V/m = 25.68 dBV/m

HAC-RF Emission ANT 3

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 - SN4028; ConvF(1, 1, 1); Calibrated: 7/24/2017;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1472; Calibrated: 3/8/2018
- 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 = 9.837 V/m; Power Drift = -0.19 dB

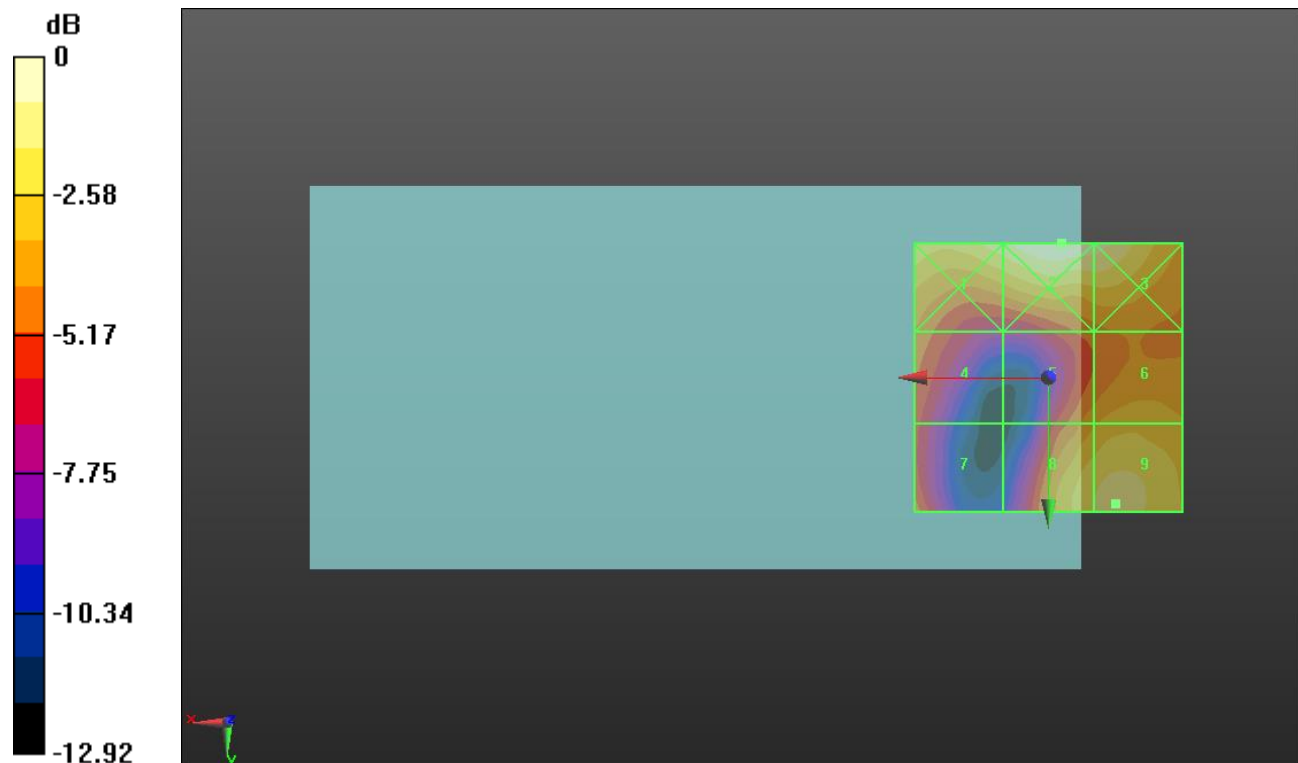
Applied MIF = -1.44 dB

RF audio interference level = 23.36 dBV/m

Emission category: **M4**

MIF scaled E-field

Grid 1 M4 23.65 dBV/m	Grid 2 M4 24.74 dBV/m	Grid 3 M4 24.33 dBV/m
Grid 4 M4 20.45 dBV/m	Grid 5 M4 21.15 dBV/m	Grid 6 M4 21.92 dBV/m
Grid 7 M4 20.31 dBV/m	Grid 8 M4 23.06 dBV/m	Grid 9 M4 23.36 dBV/m



0 dB = 17.27 V/m = 24.75 dBV/m

HAC-RF Emission ANT 3

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 - SN4028; ConvF(1, 1, 1); Calibrated: 7/24/2017;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1472; Calibrated: 3/8/2018
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.8 (7);SEMCAD X Version 14.6.10 (7164)

LTE Band 41 E-Field measurement 2/LTE TDD_16QAM_RB 1/49_ch 40620/Hearing Aid Compatibility Test (101x101x1): Interpolated grid: dx=0.5000 mm, dy=0.5000 mm

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 8.558 V/m; Power Drift = 0.10 dB

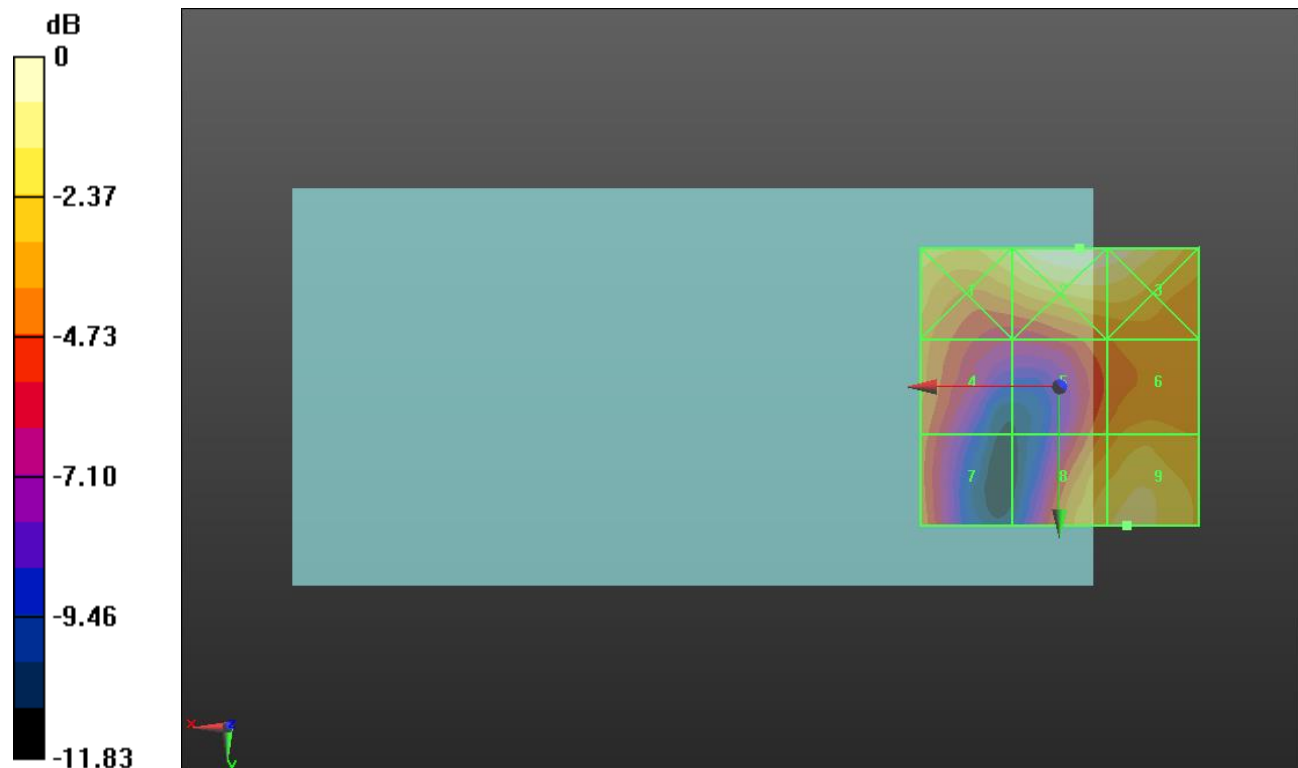
Applied MIF = -1.44 dB

RF audio interference level = 22.00 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 22.12 dBV/m	Grid 2 M4 23.32 dBV/m	Grid 3 M4 23.26 dBV/m
Grid 4 M4 19.85 dBV/m	Grid 5 M4 19.65 dBV/m	Grid 6 M4 20.65 dBV/m
Grid 7 M4 19.54 dBV/m	Grid 8 M4 21.63 dBV/m	Grid 9 M4 22 dBV/m



0 dB = 14.66 V/m = 23.32 dBV/m

HAC-RF Emission ANT 3

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 - SN4028; ConvF(1, 1, 1); Calibrated: 7/24/2017;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1472; Calibrated: 3/8/2018
- 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 = 10.66 V/m; Power Drift = 0.01 dB

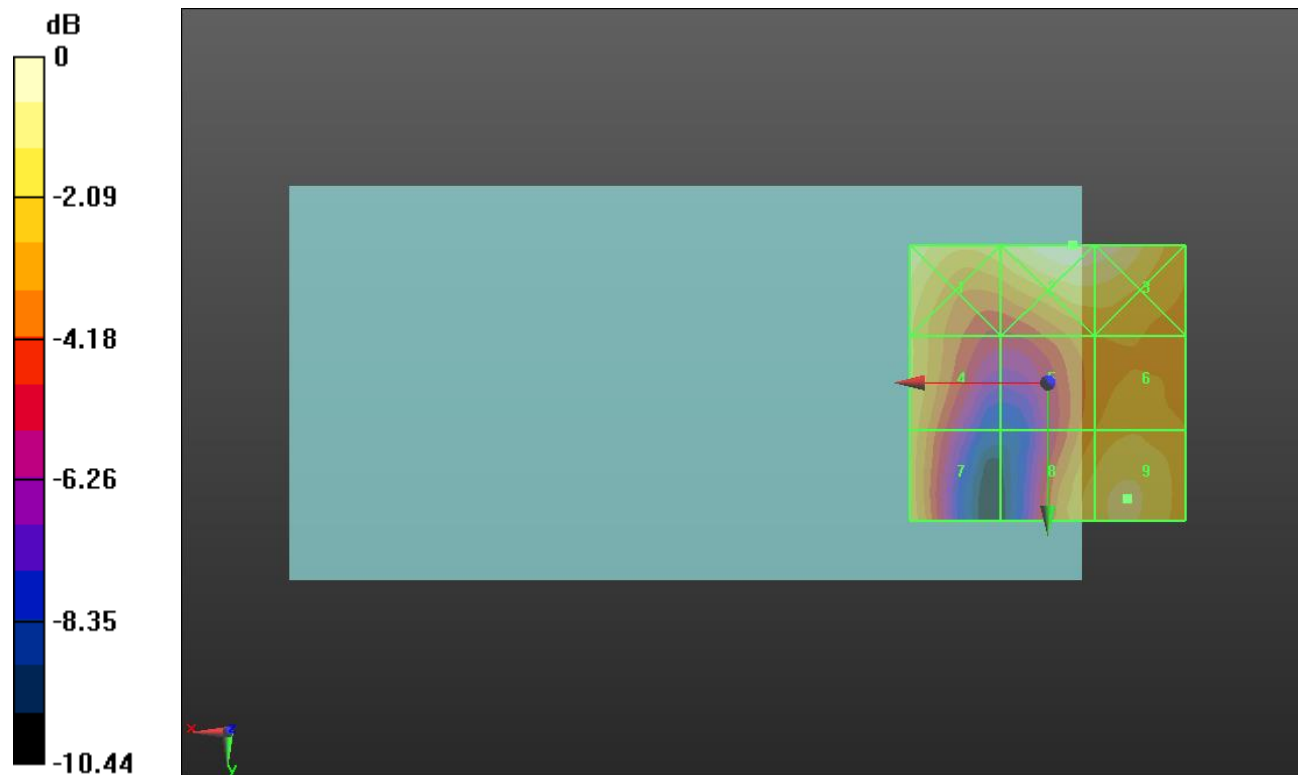
Applied MIF = -1.44 dB

RF audio interference level = 21.23 dBV/m

Emission category: **M4**

MIF scaled E-field

Grid 1 M4 22.05 dBV/m	Grid 2 M4 22.46 dBV/m	Grid 3 M4 22.32 dBV/m
Grid 4 M4 20.58 dBV/m	Grid 5 M4 19.66 dBV/m	Grid 6 M4 20.31 dBV/m
Grid 7 M4 20.22 dBV/m	Grid 8 M4 20.8 dBV/m	Grid 9 M4 21.23 dBV/m



0 dB = 13.28 V/m = 22.46 dBV/m

HAC-RF Emission ANT 3

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 - SN4028; ConvF(1, 1, 1); Calibrated: 7/24/2017;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1472; Calibrated: 3/8/2018
- 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 = 8.644 V/m; Power Drift = -0.02 dB

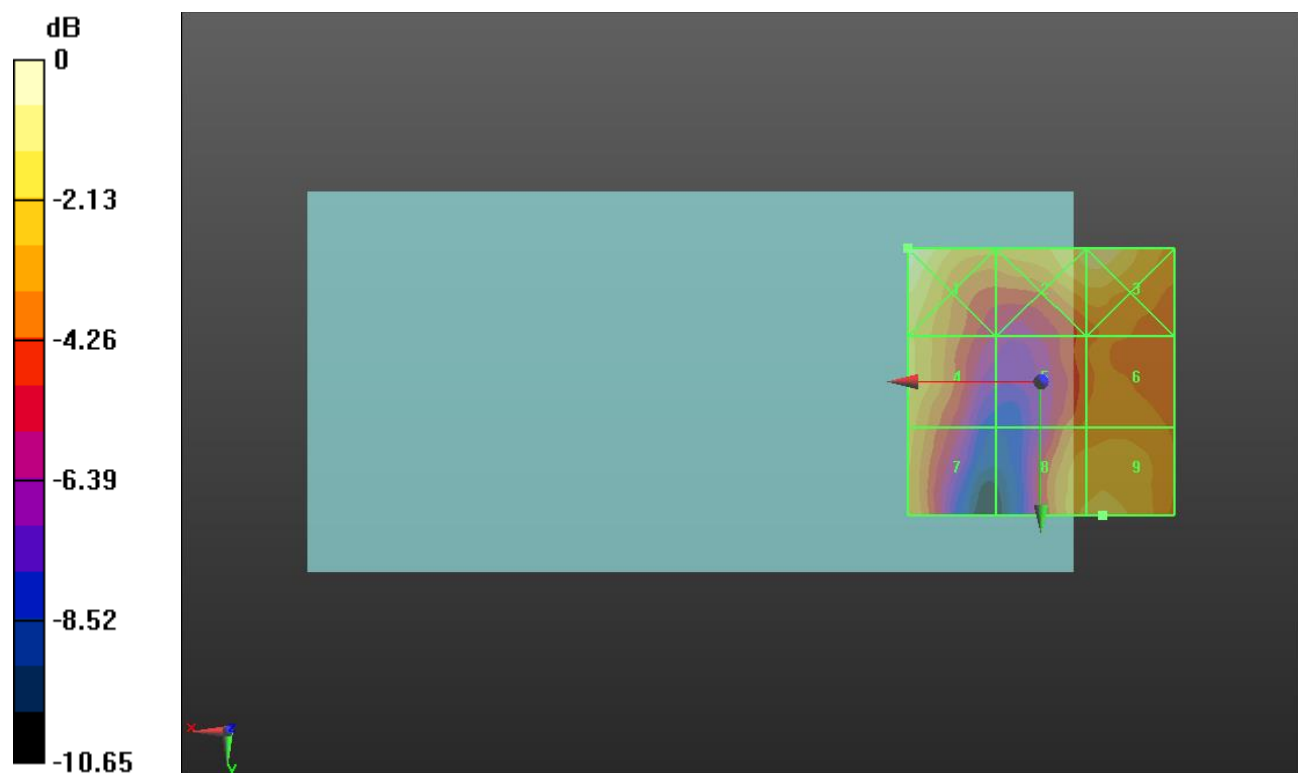
Applied MIF = -1.44 dB

RF audio interference level = 19.45 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 21.28 dBV/m	Grid 2 M4 20.2 dBV/m	Grid 3 M4 20.32 dBV/m
Grid 4 M4 19.4 dBV/m	Grid 5 M4 17.89 dBV/m	Grid 6 M4 18.25 dBV/m
Grid 7 M4 18.9 dBV/m	Grid 8 M4 19.23 dBV/m	Grid 9 M4 19.45 dBV/m



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

HAC-RF Emission ANT 3

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 - SN4028; ConvF(1, 1, 1); Calibrated: 7/24/2017;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1472; Calibrated: 3/8/2018
- 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_OFDM 11 Mbps_ch 2/Hearing Aid

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

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 11.72 V/m; Power Drift = -0.04 dB

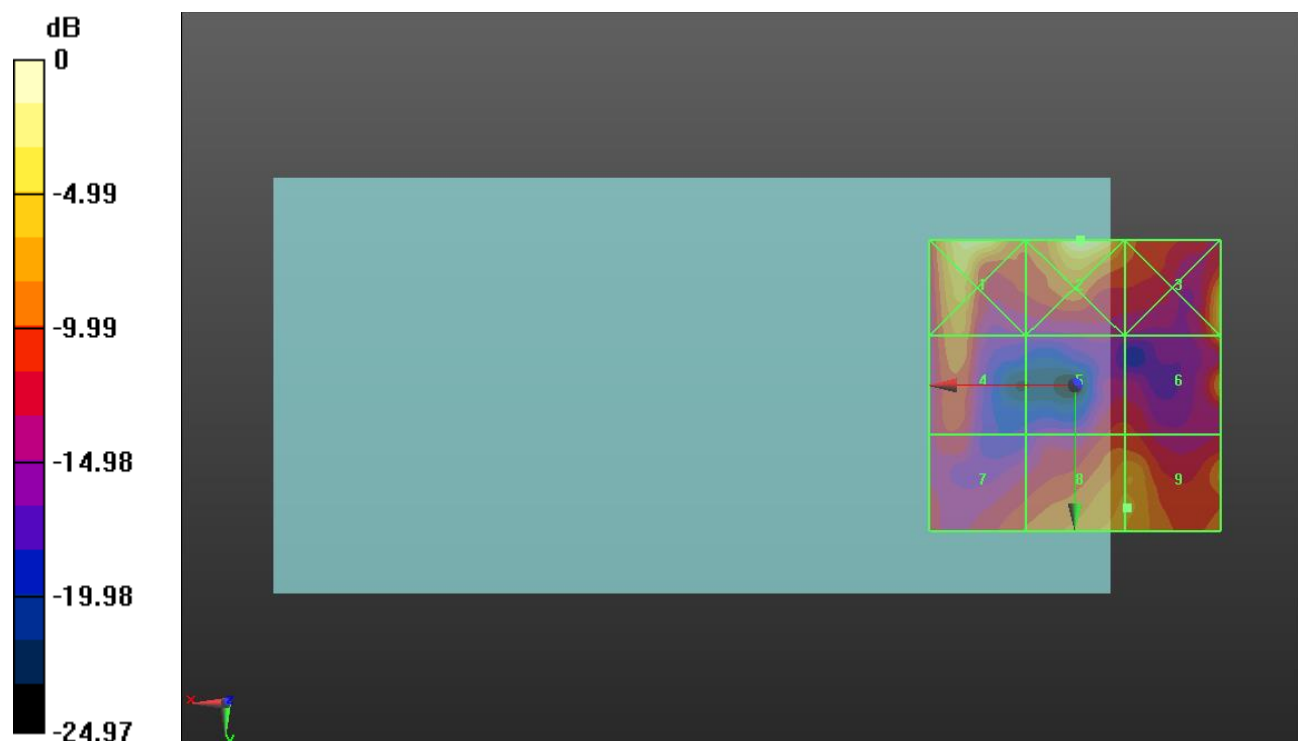
Applied MIF = -2.02 dB

RF audio interference level = 19.72 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 24.69 dBV/m	Grid 2 M4 26.1 dBV/m	Grid 3 M4 22.35 dBV/m
Grid 4 M4 17.7 dBV/m	Grid 5 M4 15.19 dBV/m	Grid 6 M4 19.44 dBV/m
Grid 7 M4 16.34 dBV/m	Grid 8 M4 19.71 dBV/m	Grid 9 M4 19.72 dBV/m



0 dB = 20.18 V/m = 26.10 dBV/m

HAC-RF Emission ANT 3

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 - SN4028; ConvF(1, 1, 1); Calibrated: 7/24/2017;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1472; Calibrated: 3/8/2018
- 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_OFDM 11 Mbps_ch 6/Hearing Aid

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

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 13.00 V/m; Power Drift = -0.08 dB

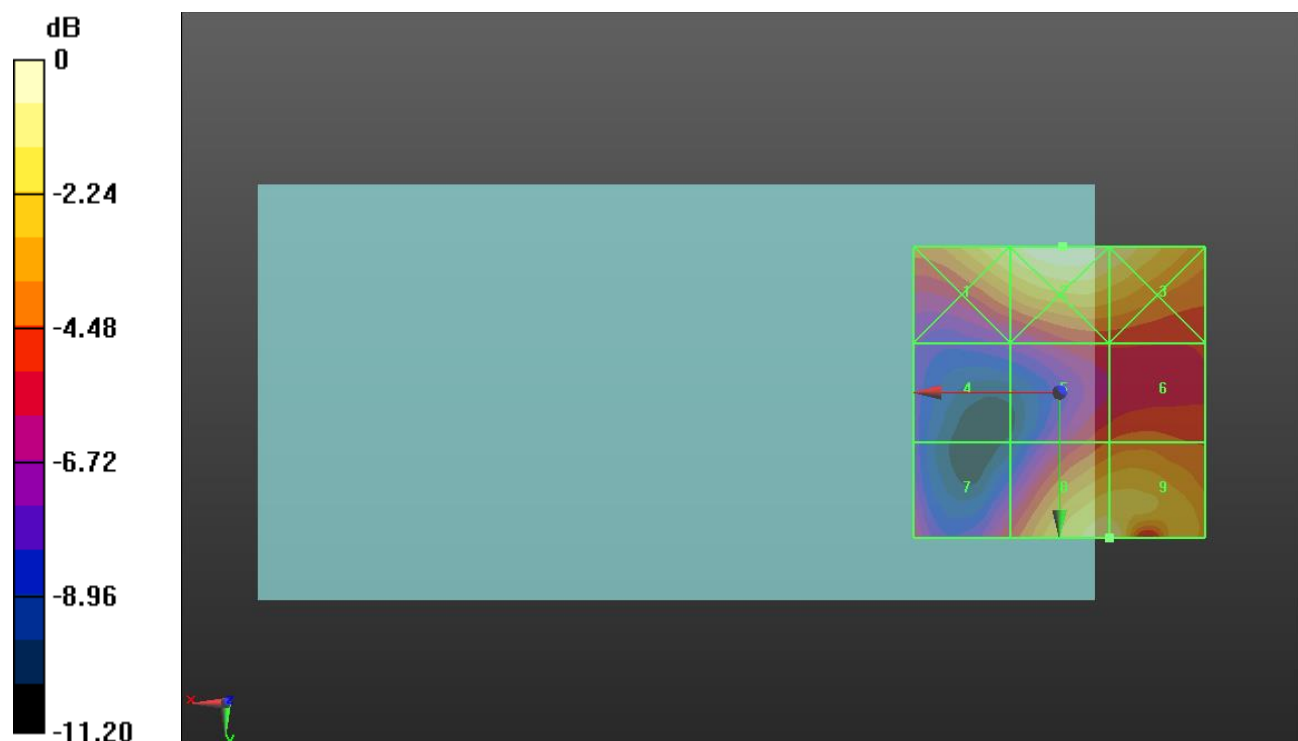
Applied MIF = -2.02 dB

RF audio interference level = 25.58 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 25.38 dBV/m	Grid 2 M4 26.43 dBV/m	Grid 3 M4 25.86 dBV/m
Grid 4 M4 19.39 dBV/m	Grid 5 M4 22.03 dBV/m	Grid 6 M4 22.42 dBV/m
Grid 7 M4 21.4 dBV/m	Grid 8 M4 25.58 dBV/m	Grid 9 M4 25.58 dBV/m



0 dB = 20.97 V/m = 26.43 dBV/m

HAC-RF Emission ANT 3

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 - SN4028; ConvF(1, 1, 1); Calibrated: 7/24/2017;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1472; Calibrated: 3/8/2018
- 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_OFDM 11 Mbps_ch 11/Hearing Aid

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

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 11.61 V/m; Power Drift = -0.16 dB

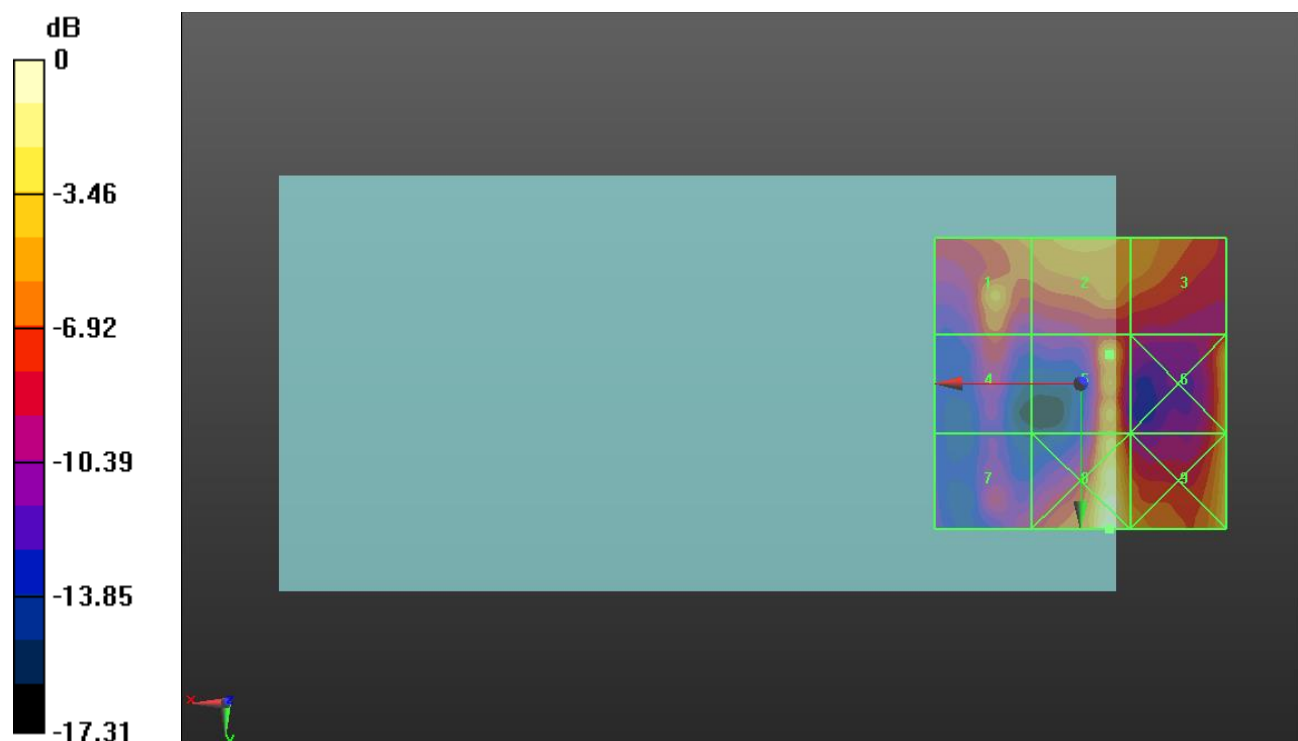
Applied MIF = -2.02 dB

RF audio interference level = 20.43 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 20.05 dBV/m	Grid 2 M4 20.16 dBV/m	Grid 3 M4 19.53 dBV/m
Grid 4 M4 17.09 dBV/m	Grid 5 M4 20.43 dBV/m	Grid 6 M4 21.46 dBV/m
Grid 7 M4 15.37 dBV/m	Grid 8 M4 24.33 dBV/m	Grid 9 M4 22.5 dBV/m



0 dB = 16.47 V/m = 24.33 dBV/m

HAC-RF Emission ANT 3

Frequency: 2422 MHz; Duty Cycle: 1:12.5893; Room Ambient Temperature: 24.0°C; Liquid Temperature: 23.0°C
Medium parameters used: $\sigma = 0$ S/m, $\epsilon_r = 1$; $\rho = 0$ kg/m³

DASY5 Configuration:

- Area Scan Setting: Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.0012W/kg
- Electronics: DAE4 Sn1472; Calibrated: 3/8/2018
- Probe: EF3DV3 - SN4041; ConvF(1, 1, 1); Calibrated: 3/16/2018;
- Sensor-Surface: (Fix Surface)
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB; Serial: 1155

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 = 7.759 V/m; Power Drift = -0.03 dB

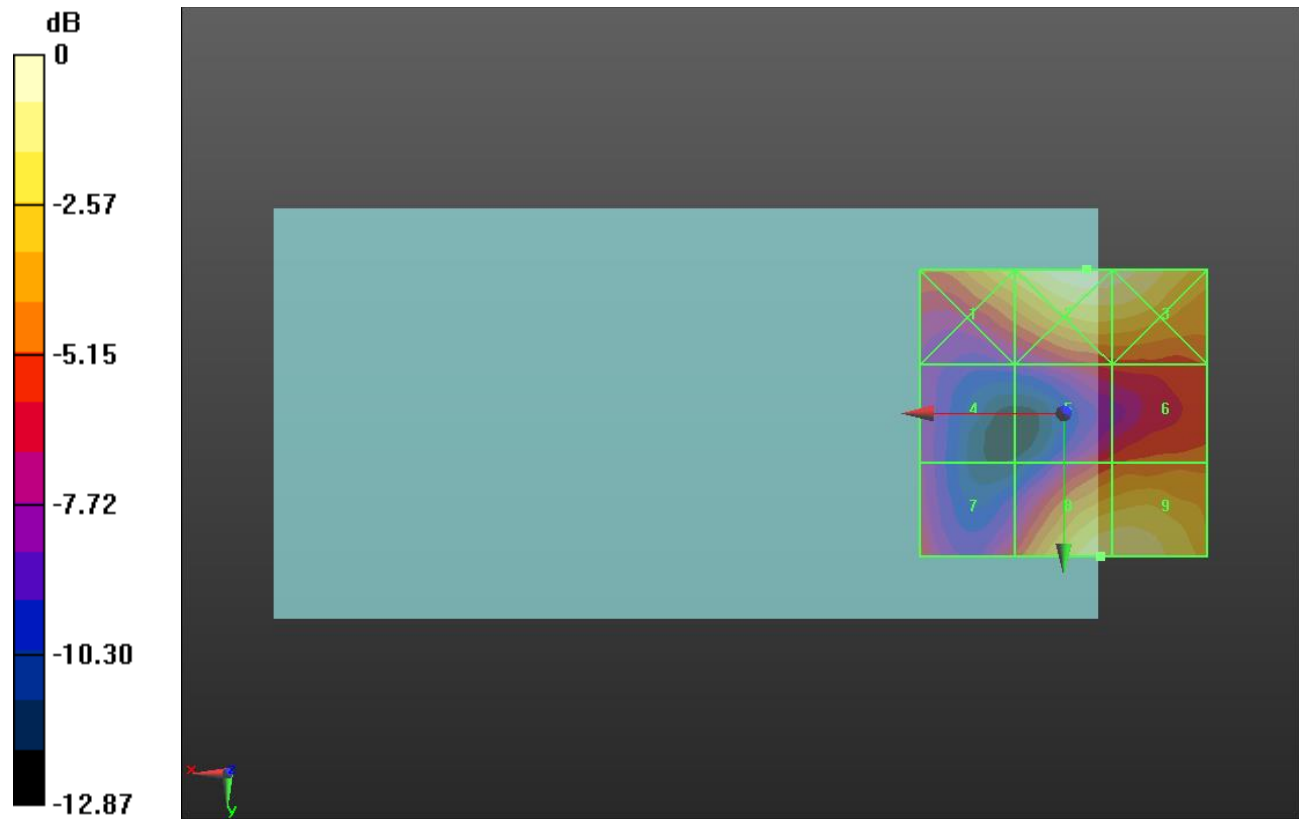
Applied MIF = 0.12 dB

RF audio interference level = 26.50 dBV/m

Emission category: **M4**

MIF scaled E-field

Grid 1 M4 25.72 dBV/m	Grid 2 M4 27.54 dBV/m	Grid 3 M4 27.19 dBV/m
Grid 4 M4 20.11 dBV/m	Grid 5 M4 22.08 dBV/m	Grid 6 M4 22.96 dBV/m
Grid 7 M4 22.09 dBV/m	Grid 8 M4 26.5 dBV/m	Grid 9 M4 26.44 dBV/m



0 dB = 23.82 V/m = 27.54 dBV/m

HAC-RF Emission ANT 3

Frequency: 2437 MHz; Duty Cycle: 1:12.5893; Room Ambient Temperature: 24.0°C; Liquid Temperature: 23.0°C
Medium parameters used: $\sigma = 0$ S/m, $\epsilon_r = 1$; $\rho = 0$ kg/m³

DASY5 Configuration:

- Area Scan Setting: Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.0012W/kg
- Electronics: DAE4 Sn1472; Calibrated: 3/8/2018
- Probe: EF3DV3 - SN4041; ConvF(1, 1, 1); Calibrated: 3/16/2018;
- Sensor-Surface: (Fix Surface)
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB; Serial: 1155

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 = 10.15 V/m; Power Drift = -0.13 dB

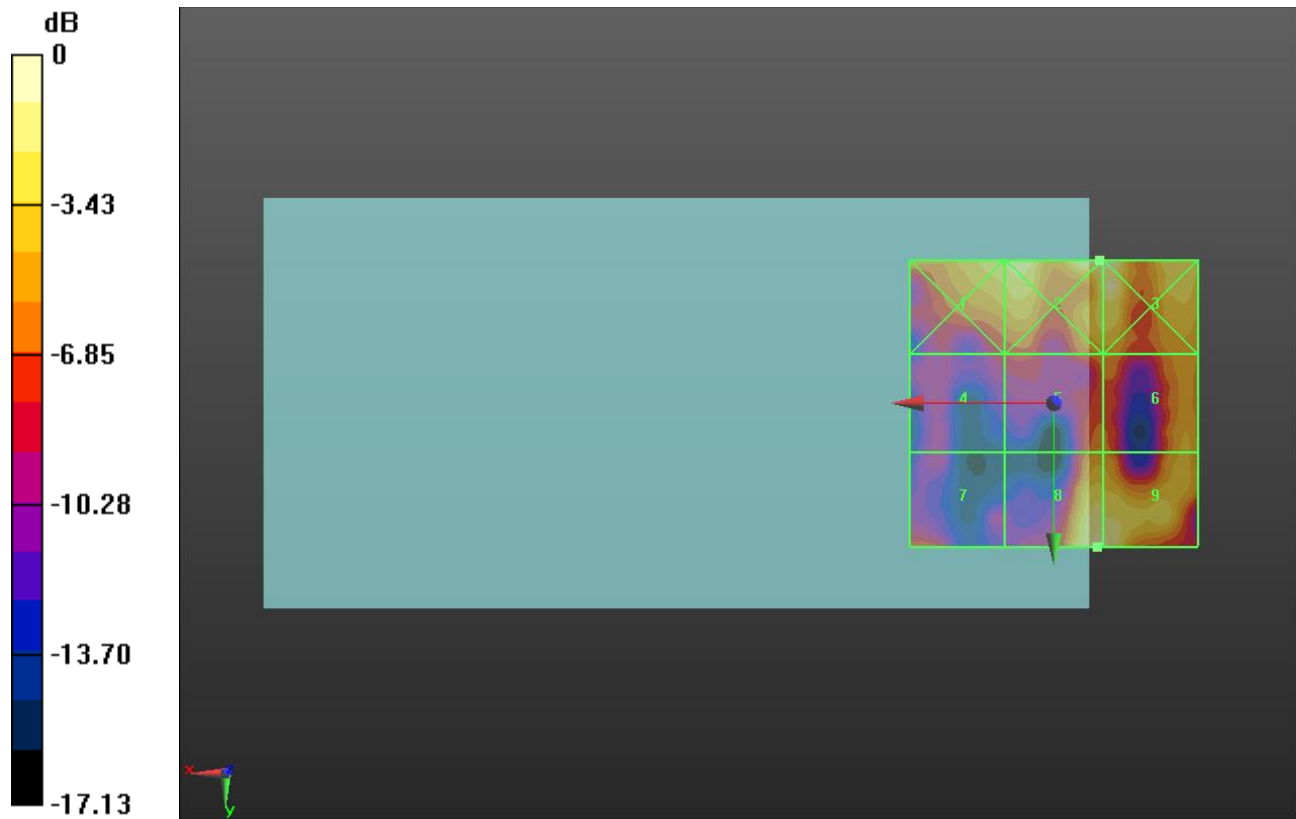
Applied MIF = 0.12 dB

RF audio interference level = 27.25 dBV/m

Emission category: **M4**

MIF scaled E-field

Grid 1 M4 25.99 dBV/m	Grid 2 M4 28.11 dBV/m	Grid 3 M4 28.08 dBV/m
Grid 4 M4 20.1 dBV/m	Grid 5 M4 22.67 dBV/m	Grid 6 M4 23.85 dBV/m
Grid 7 M4 21.19 dBV/m	Grid 8 M4 27.25 dBV/m	Grid 9 M4 27.13 dBV/m



0 dB = 25.45 V/m = 28.11 dBV/m

HAC-RF Emission ANT 3

Frequency: 2452 MHz; Duty Cycle: 1:12.5893; Room Ambient Temperature: 24.0°C; Liquid Temperature: 23.0°C
Medium parameters used: $\sigma = 0$ S/m, $\epsilon_r = 1$; $\rho = 0$ kg/m³

DASY5 Configuration:

- Area Scan Setting: Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.0012W/kg
- Electronics: DAE4 Sn1472; Calibrated: 3/8/2018
- Probe: EF3DV3 - SN4041; ConvF(1, 1, 1); Calibrated: 3/16/2018;
- Sensor-Surface: (Fix Surface)
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB; Serial: 1155

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 = 10.35 V/m; Power Drift = 0.13 dB

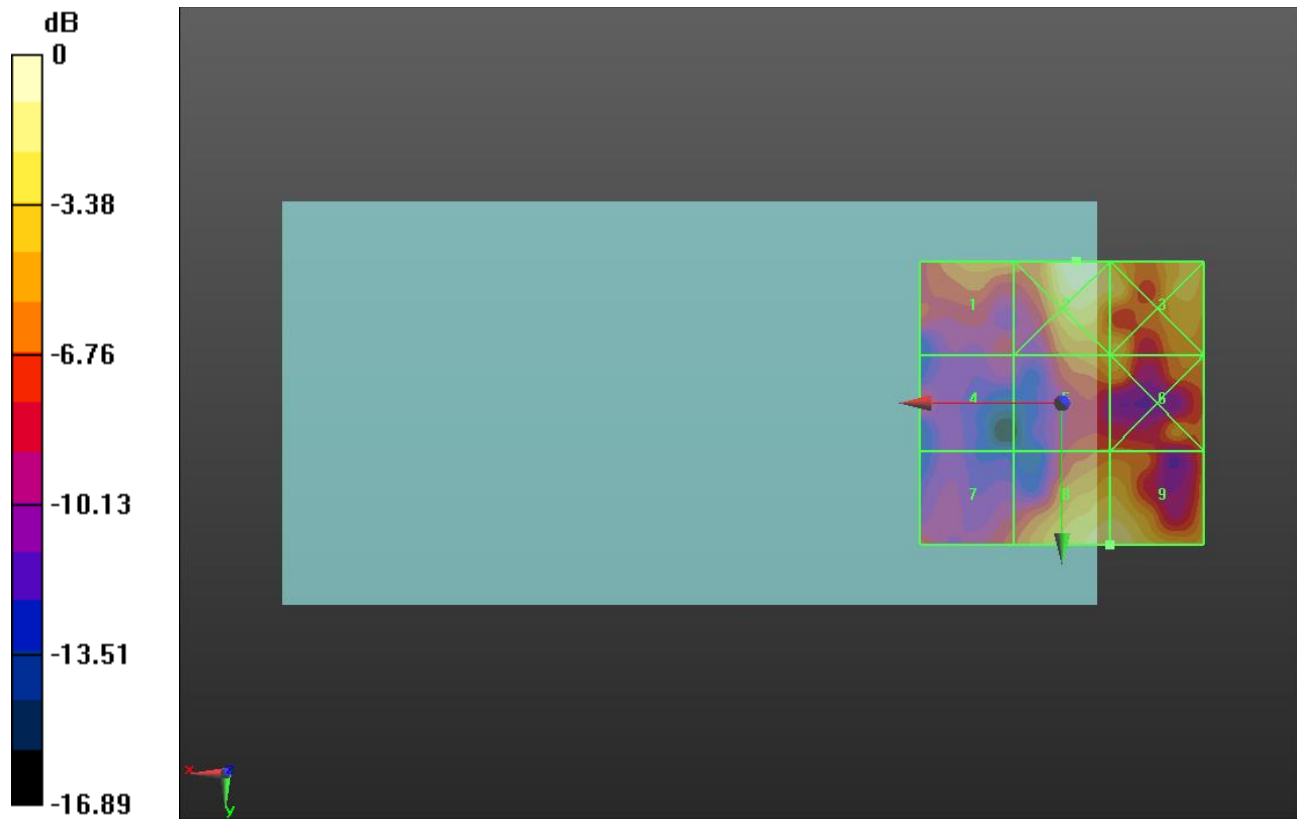
Applied MIF = 0.12 dB

RF audio interference level = 26.54 dBV/m

Emission category: **M4**

MIF scaled E-field

Grid 1 M4 23.47 dBV/m	Grid 2 M4 28.11 dBV/m	Grid 3 M4 26.01 dBV/m
Grid 4 M4 20.53 dBV/m	Grid 5 M4 24.4 dBV/m	Grid 6 M4 24.44 dBV/m
Grid 7 M4 21.16 dBV/m	Grid 8 M4 26.54 dBV/m	Grid 9 M4 26.54 dBV/m



0 dB = 25.45 V/m = 28.11 dBV/m

HAC-RF Emission ANT 4

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 - SN4028; ConvF(1, 1, 1); Calibrated: 7/24/2017;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1472; Calibrated: 3/8/2018
- 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 = 15.20 V/m; Power Drift = 0.04 dB

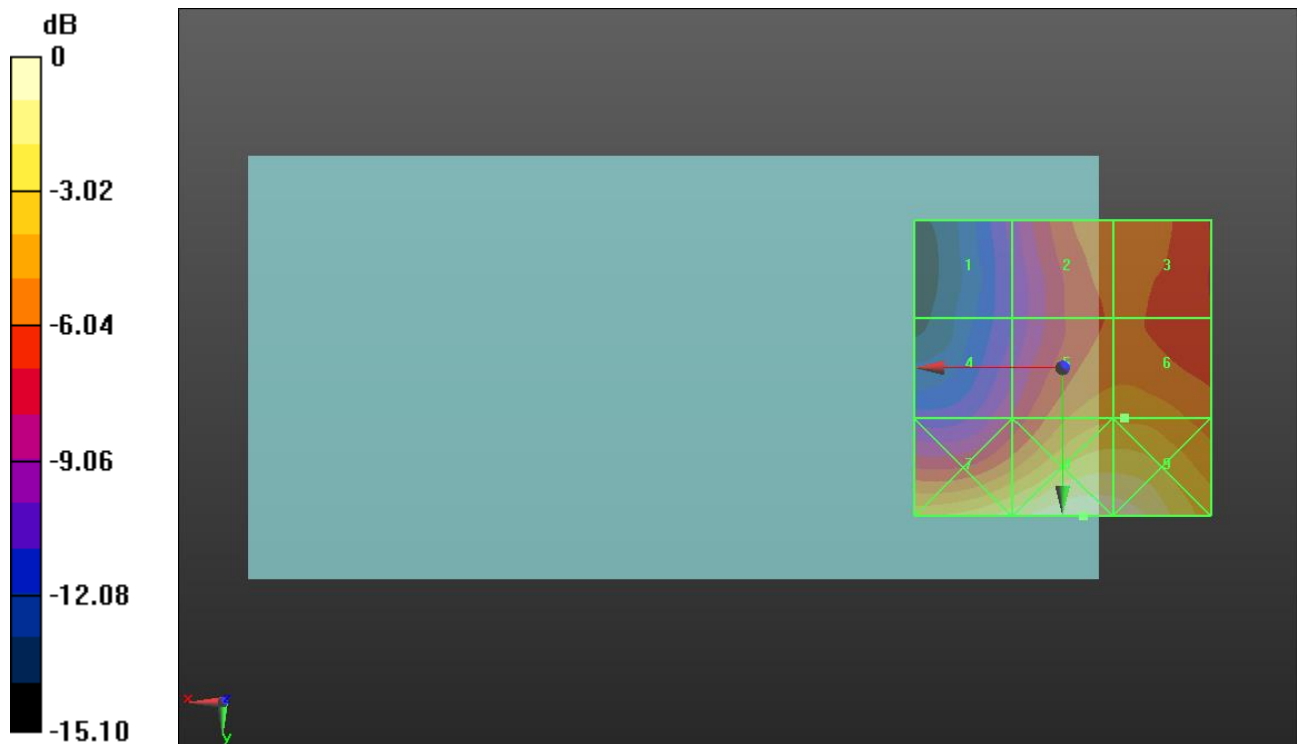
Applied MIF = 3.63 dB

RF audio interference level = 26.75 dBV/m

Emission category: **M4**

MIF scaled E-field

Grid 1 M4 21.47 dBV/m	Grid 2 M4 25.85 dBV/m	Grid 3 M4 25.87 dBV/m
Grid 4 M4 23.09 dBV/m	Grid 5 M4 26.74 dBV/m	Grid 6 M4 26.75 dBV/m
Grid 7 M4 29.58 dBV/m	Grid 8 M3 30.91 dBV/m	Grid 9 M3 30.67 dBV/m



0 dB = 35.11 V/m = 30.91 dBV/m

HAC-RF Emission ANT 4

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 - SN4028; ConvF(1, 1, 1); Calibrated: 7/24/2017;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1472; Calibrated: 3/8/2018
- 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 = 16.79 V/m; Power Drift = -0.03 dB

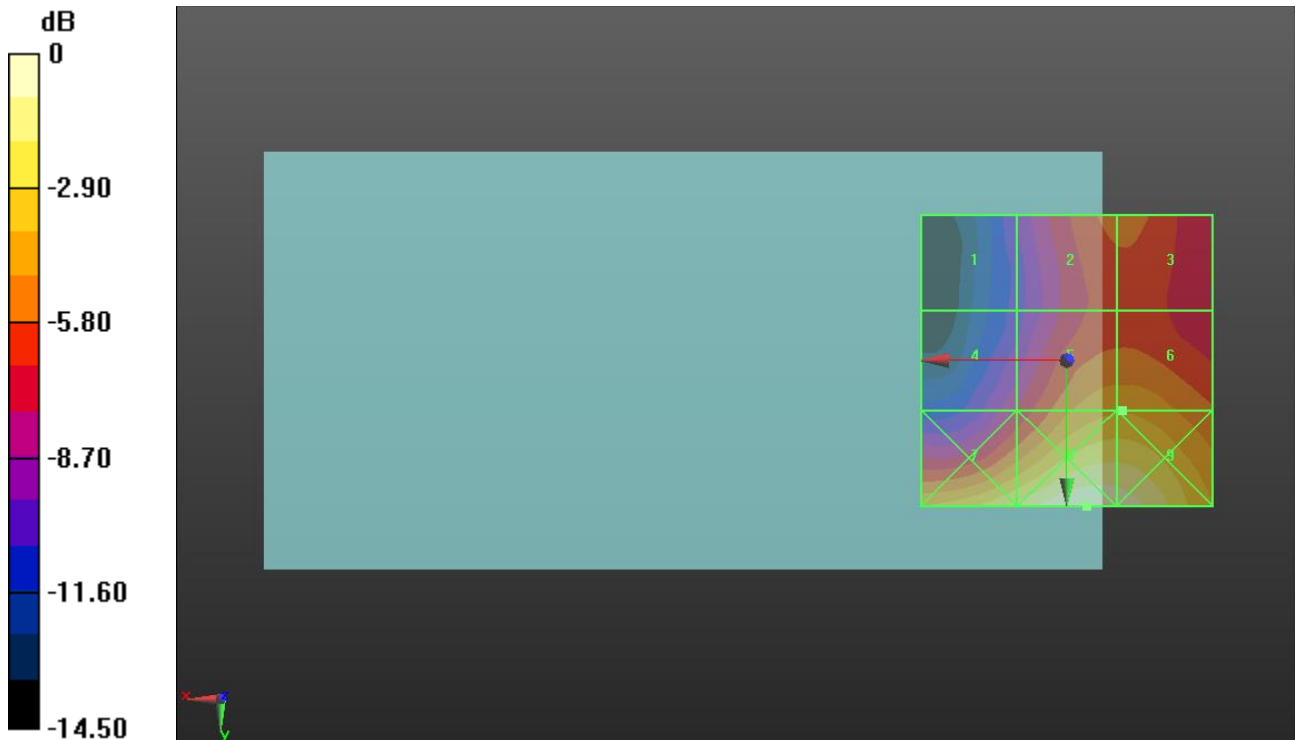
Applied MIF = 3.63 dB

RF audio interference level = 27.82 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 22.21 dBV/m	Grid 2 M4 26.23 dBV/m	Grid 3 M4 26.23 dBV/m
Grid 4 M4 24.23 dBV/m	Grid 5 M4 27.81 dBV/m	Grid 6 M4 27.82 dBV/m
Grid 7 M3 30.29 dBV/m	Grid 8 M3 31.78 dBV/m	Grid 9 M3 31.49 dBV/m



0 dB = 38.80 V/m = 31.78 dBV/m

HAC-RF Emission ANT 4

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 - SN4028; ConvF(1, 1, 1); Calibrated: 7/24/2017;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1472; Calibrated: 3/8/2018
- 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 = 18.95 V/m; Power Drift = 0.03 dB

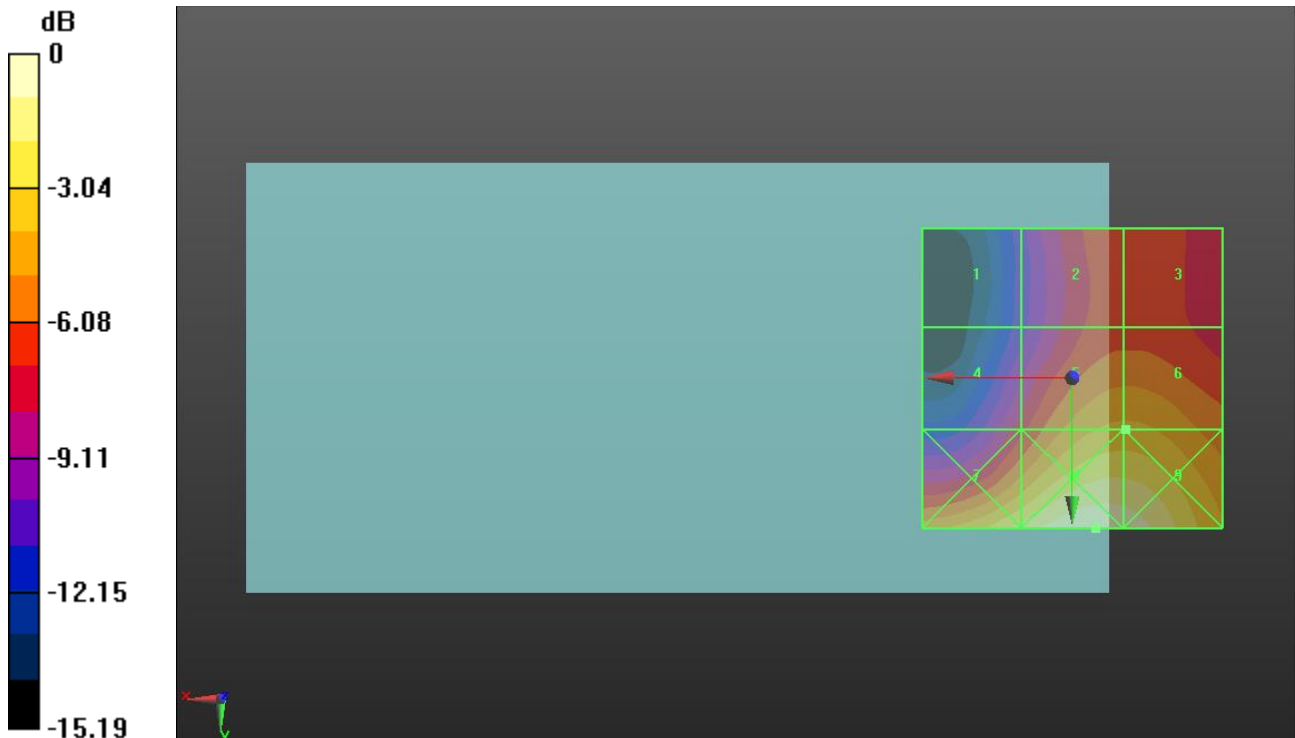
Applied MIF = 3.63 dB

RF audio interference level = 29.04 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 22.4 dBV/m	Grid 2 M4 26.54 dBV/m	Grid 3 M4 26.55 dBV/m
Grid 4 M4 25.4 dBV/m	Grid 5 M4 29.04 dBV/m	Grid 6 M4 29.04 dBV/m
Grid 7 M3 31.22 dBV/m	Grid 8 M3 32.81 dBV/m	Grid 9 M3 32.5 dBV/m



0 dB = 43.69 V/m = 32.81 dBV/m

HAC-RF Emission ANT 4

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 - SN4028; ConvF(1, 1, 1); Calibrated: 7/24/2017;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1472; Calibrated: 3/8/2018
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.8 (7);SEMCAD X Version 14.6.10 (7164)

LTE Band 41 E-Field measurement/LTE TDD_16QAM_RB 1/49_ch 39750/Hearing Aid

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

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 21.42 V/m; Power Drift = -0.14 dB

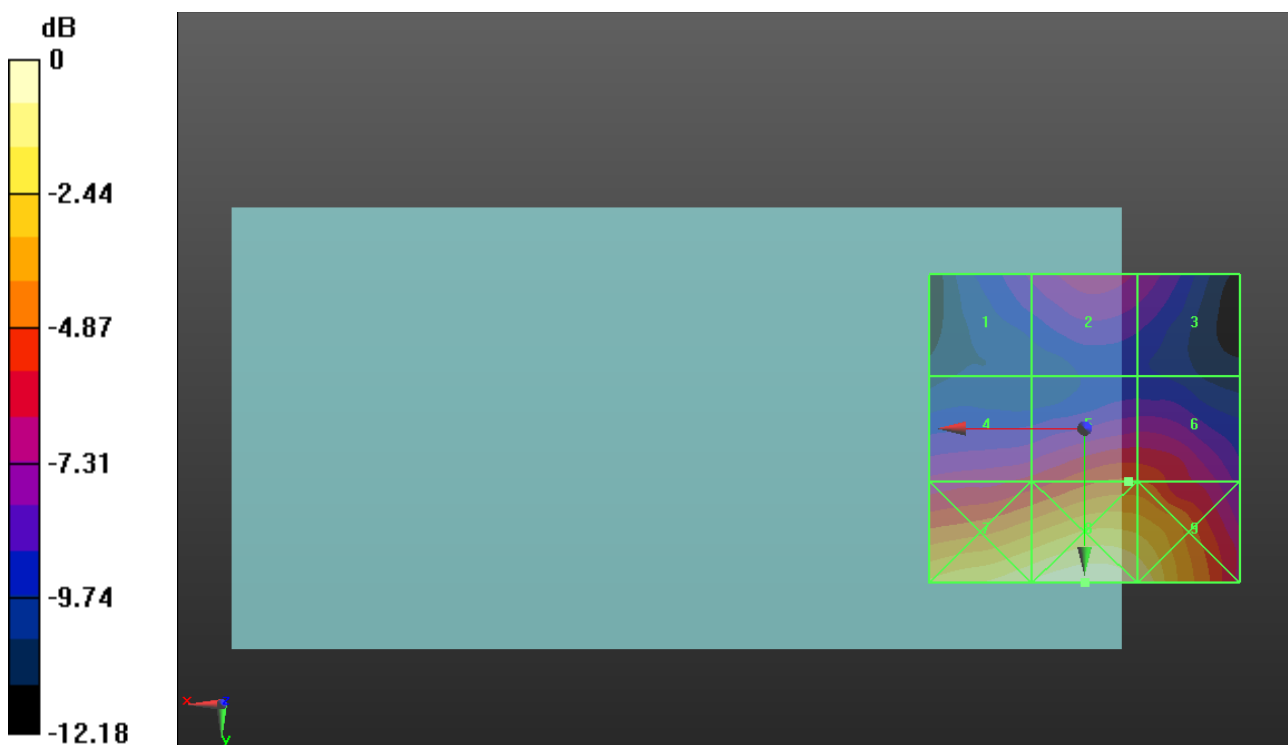
Applied MIF = -1.44 dB

RF audio interference level = 26.20 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 23.04 dBV/m	Grid 2 M4 24.08 dBV/m	Grid 3 M4 23.55 dBV/m
Grid 4 M4 24.76 dBV/m	Grid 5 M4 26.2 dBV/m	Grid 6 M4 26.16 dBV/m
Grid 7 M3 30.28 dBV/m	Grid 8 M3 30.93 dBV/m	Grid 9 M3 30.19 dBV/m



0 dB = 35.19 V/m = 30.93 dBV/m

HAC-RF Emission ANT 4

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 - SN4028; ConvF(1, 1, 1); Calibrated: 7/24/2017;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1472; Calibrated: 3/8/2018
- 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 = 31.91 V/m; Power Drift = 0.18 dB

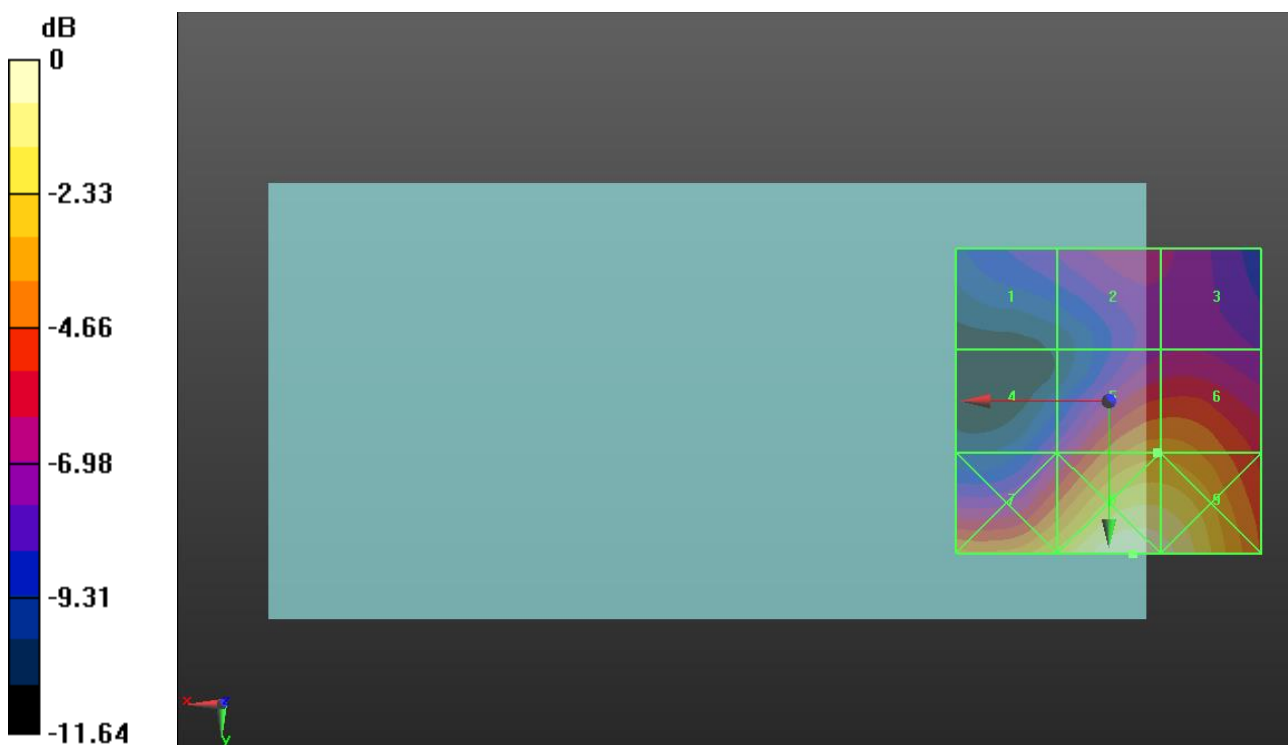
Applied MIF = -1.44 dB

RF audio interference level = 29.18 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 24.89 dBV/m	Grid 2 M4 25.92 dBV/m	Grid 3 M4 25.75 dBV/m
Grid 4 M4 25.32 dBV/m	Grid 5 M4 29.18 dBV/m	Grid 6 M4 29.17 dBV/m
Grid 7 M3 30.44 dBV/m	Grid 8 M3 32.52 dBV/m	Grid 9 M3 32.15 dBV/m



0 dB = 42.29 V/m = 32.52 dBV/m

HAC-RF Emission ANT 4

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 - SN4028; ConvF(1, 1, 1); Calibrated: 7/24/2017;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1472; Calibrated: 3/8/2018
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.8 (7);SEMCAD X Version 14.6.10 (7164)

LTE Band 41 E-Field measurement/LTE TDD_16QAM_RB 1/49_ch 40620/Hearing Aid

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

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 33.50 V/m; Power Drift = 0.02 dB

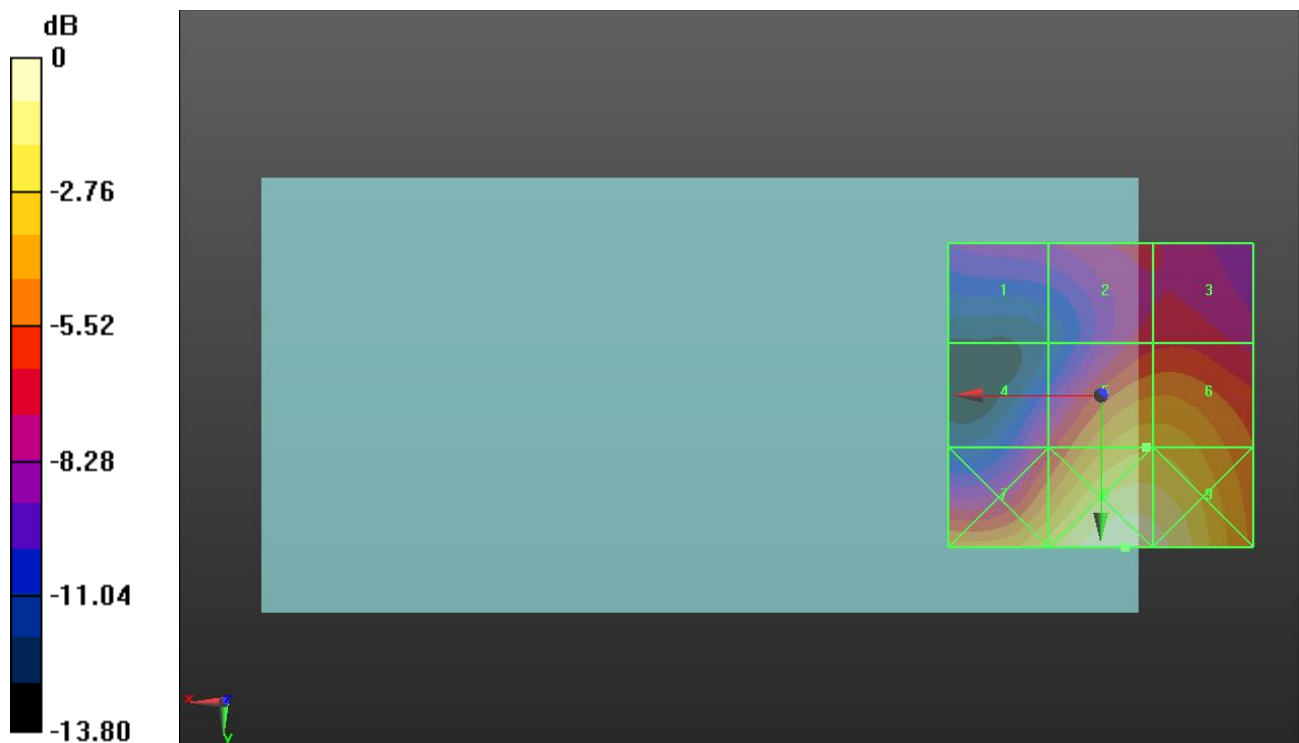
Applied MIF = -1.44 dB

RF audio interference level = 28.95 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 23.54 dBV/m	Grid 2 M4 25.18 dBV/m	Grid 3 M4 25.35 dBV/m
Grid 4 M4 24.92 dBV/m	Grid 5 M4 28.95 dBV/m	Grid 6 M4 28.94 dBV/m
Grid 7 M4 29.71 dBV/m	Grid 8 M3 31.86 dBV/m	Grid 9 M3 31.45 dBV/m



0 dB = 39.19 V/m = 31.86 dBV/m

HAC-RF Emission ANT 4

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 - SN4028; ConvF(1, 1, 1); Calibrated: 7/24/2017;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1472; Calibrated: 3/8/2018
- 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 = 38.69 V/m; Power Drift = -0.01 dB

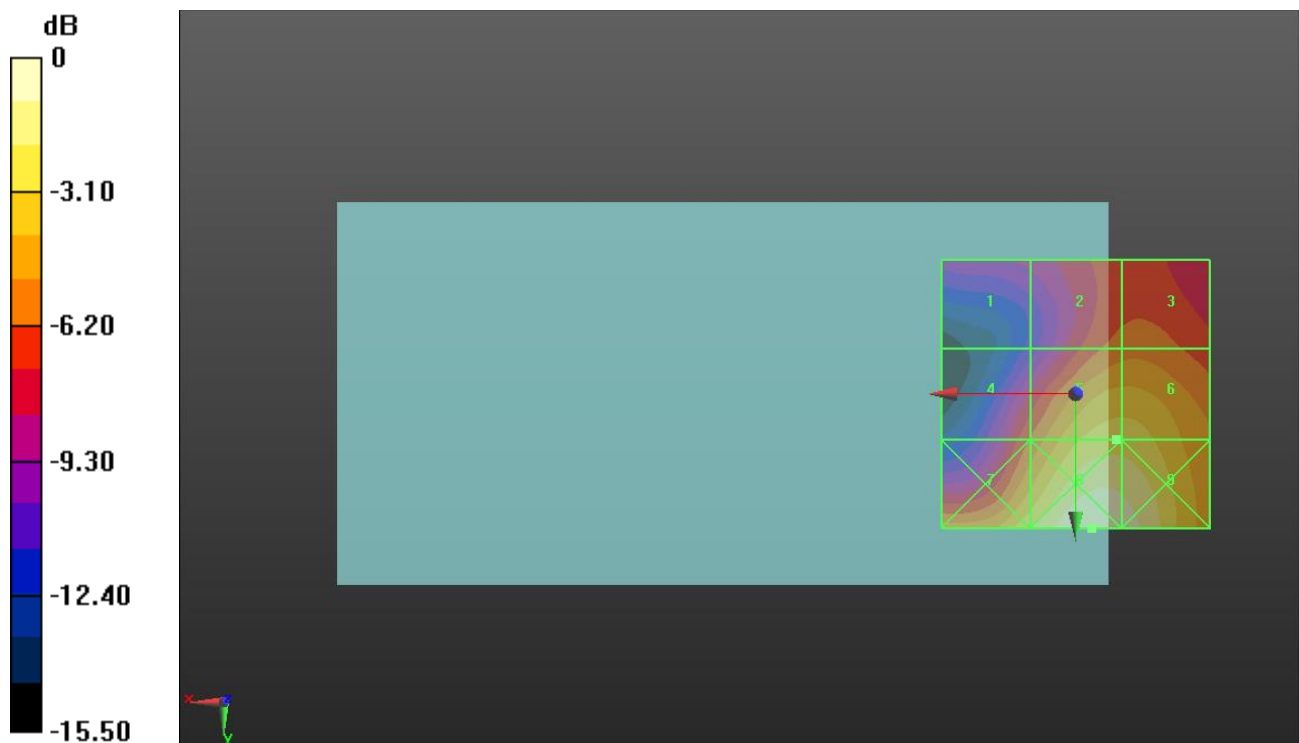
Applied MIF = -1.44 dB

RF audio interference level = 29.65 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 23.28 dBV/m	Grid 2 M4 26.54 dBV/m	Grid 3 M4 26.68 dBV/m
Grid 4 M4 26.03 dBV/m	Grid 5 M4 29.65 dBV/m	Grid 6 M4 29.64 dBV/m
Grid 7 M4 29.98 dBV/m	Grid 8 M3 32.15 dBV/m	Grid 9 M3 31.75 dBV/m



0 dB = 40.48 V/m = 32.14 dBV/m

HAC-RF Emission ANT 4

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 - SN4028; ConvF(1, 1, 1); Calibrated: 7/24/2017;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1472; Calibrated: 3/8/2018
- 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 = 44.75 V/m; Power Drift = -0.04 dB

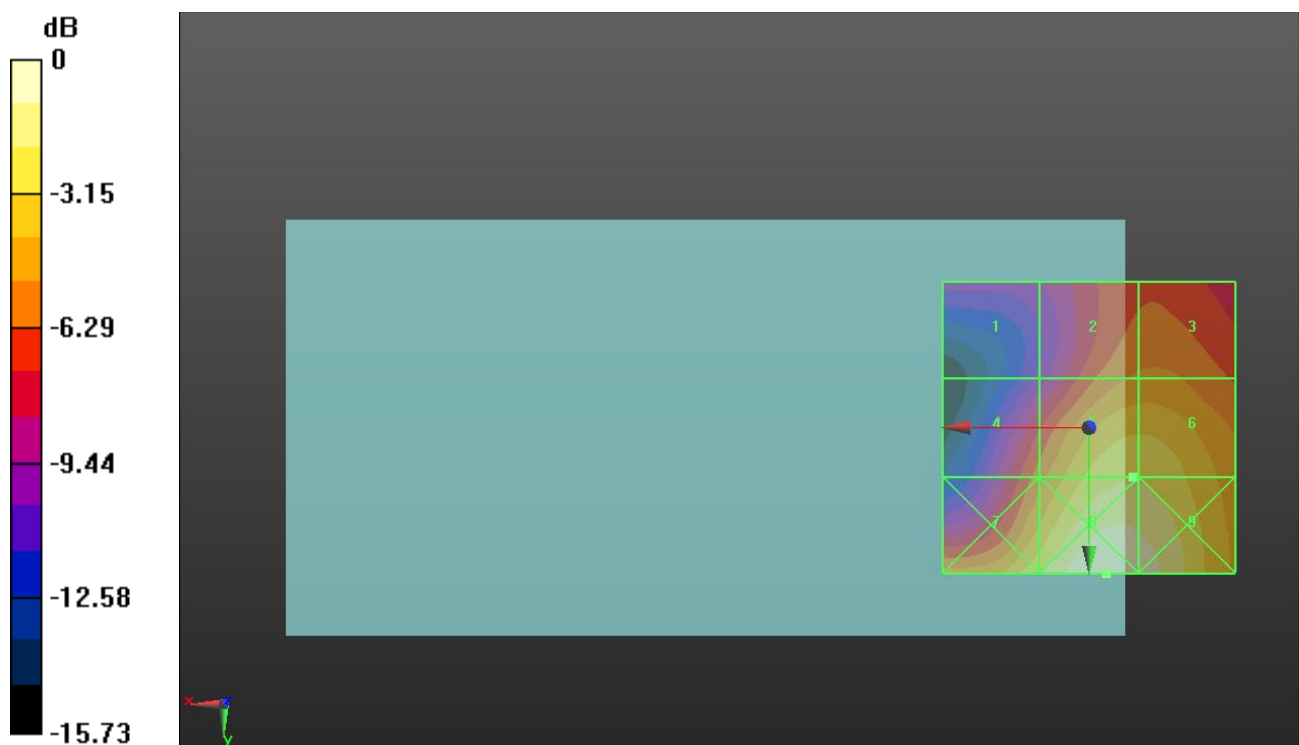
Applied MIF = -1.44 dB

RF audio interference level = 30.33 dBV/m

Emission category: M3

MIF scaled E-field

Grid 1 M4 23.1 dBV/m	Grid 2 M4 27.47 dBV/m	Grid 3 M4 27.55 dBV/m
Grid 4 M4 26.81 dBV/m	Grid 5 M3 30.33 dBV/m	Grid 6 M3 30.31 dBV/m
Grid 7 M3 30.39 dBV/m	Grid 8 M3 32.49 dBV/m	Grid 9 M3 32.09 dBV/m



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

HAC-RF Emission ANT 4

Frequency: 2422 MHz; Duty Cycle: 1:12.5893; Room Ambient Temperature: 24.0°C; Liquid Temperature: 23.0°C
Medium parameters used: $\sigma = 0$ S/m, $\epsilon_r = 1$; $\rho = 0$ kg/m³

DASY5 Configuration:

- Area Scan Setting: Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.0012W/kg
- Electronics: DAE4 Sn1472; Calibrated: 3/8/2018
- Probe: EF3DV3 - SN4041; ConvF(1, 1, 1); Calibrated: 3/16/2018;
- Sensor-Surface: (Fix Surface)
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB; Serial: 1155

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 = 47.34 V/m; Power Drift = 0.00 dB

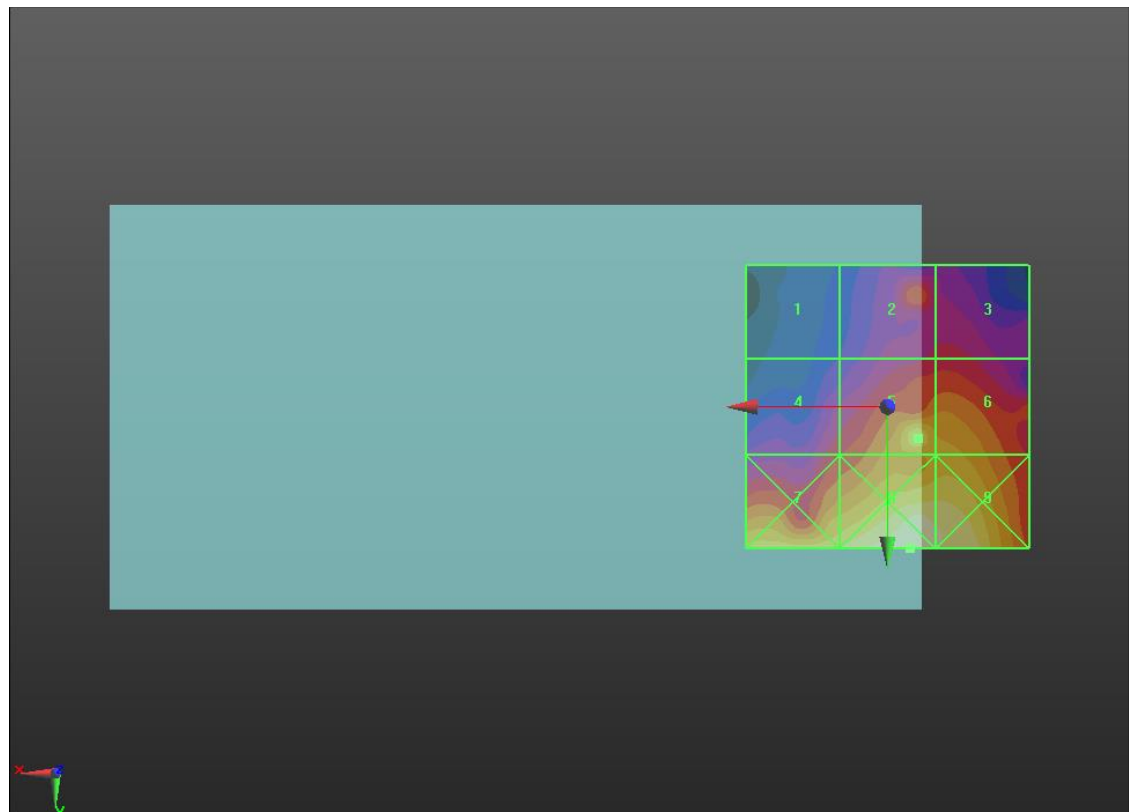
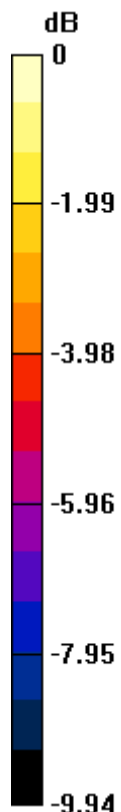
Applied MIF = 0.12 dB

RF audio interference level = 33.50 dBV/m

Emission category: **M3**

MIF scaled E-field

Grid 1 M4 27.78 dBV/m	Grid 2 M3 31.01 dBV/m	Grid 3 M3 30.02 dBV/m
Grid 4 M3 30.33 dBV/m	Grid 5 M3 33.5 dBV/m	Grid 6 M3 32.64 dBV/m
Grid 7 M3 33.73 dBV/m	Grid 8 M3 34.96 dBV/m	Grid 9 M3 34.44 dBV/m



0 dB = 55.95 V/m = 34.96 dBV/m

HAC-RF Emission ANT 4

Frequency: 2437 MHz; Duty Cycle: 1:12.5893; Room Ambient Temperature: 24.0°C; Liquid Temperature: 23.0°C
Medium parameters used: $\sigma = 0$ S/m, $\epsilon_r = 1$; $\rho = 0$ kg/m³

DASY5 Configuration:

- Area Scan Setting: Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.0012W/kg
- Electronics: DAE4 Sn1472; Calibrated: 3/8/2018
- Probe: EF3DV3 - SN4041; ConvF(1, 1, 1); Calibrated: 3/16/2018;
- Sensor-Surface: (Fix Surface)
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB; Serial: 1155

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 = 42.50 V/m; Power Drift = -0.03 dB

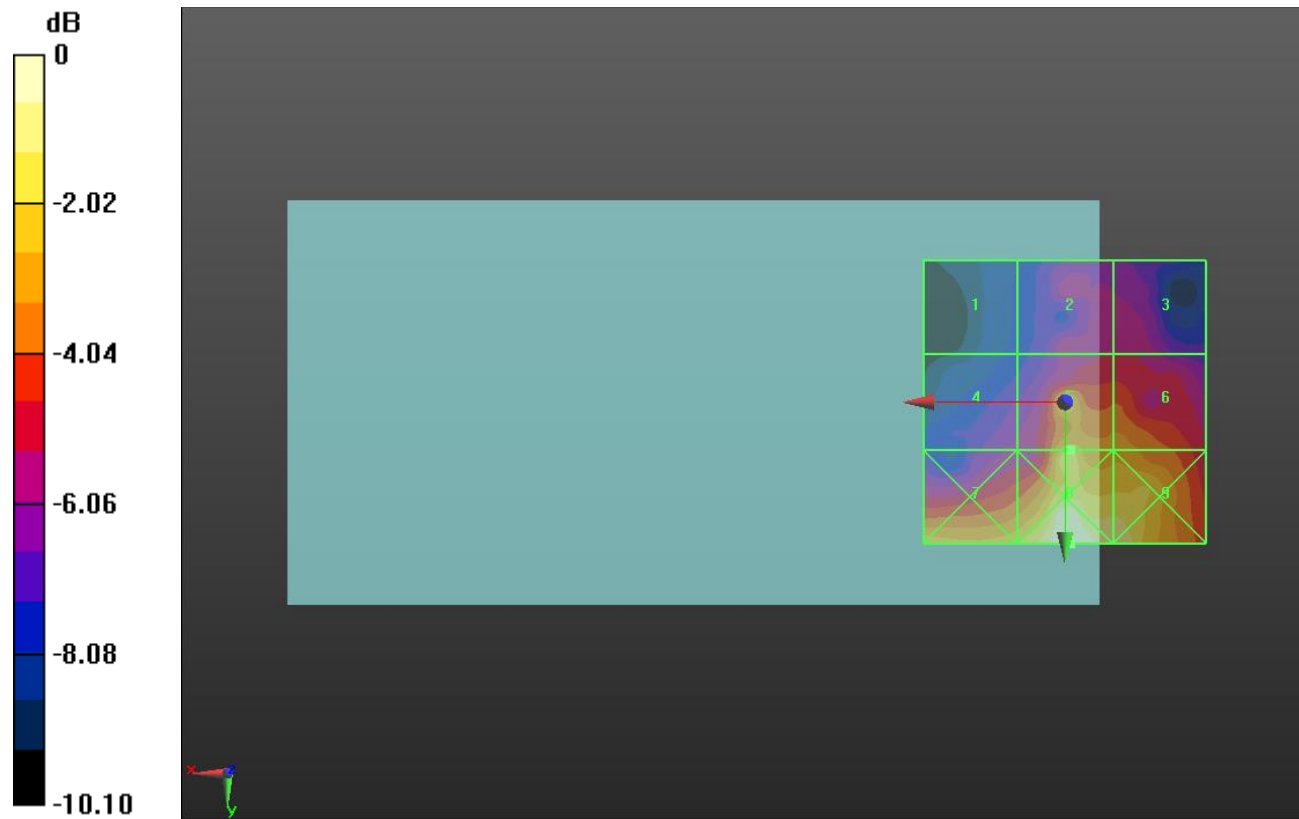
Applied MIF = 0.12 dB

RF audio interference level = 32.56 dBV/m

Emission category: **M3**

MIF scaled E-field

Grid 1 M4 26.93 dBV/m	Grid 2 M4 29.32 dBV/m	Grid 3 M4 29.32 dBV/m
Grid 4 M4 28.83 dBV/m	Grid 5 M3 32.56 dBV/m	Grid 6 M3 31.64 dBV/m
Grid 7 M3 32.74 dBV/m	Grid 8 M3 34.65 dBV/m	Grid 9 M3 34.07 dBV/m



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

HAC-RF Emission ANT 4

Frequency: 2452 MHz; Duty Cycle: 1:12.5893; Room Ambient Temperature: 24.0°C; Liquid Temperature: 23.0°C
Medium parameters used: $\sigma = 0$ S/m, $\epsilon_r = 1$; $\rho = 0$ kg/m³

DASY5 Configuration:

- Area Scan Setting: Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.0012W/kg
- Electronics: DAE4 Sn1472; Calibrated: 3/8/2018
- Probe: EF3DV3 - SN4041; ConvF(1, 1, 1); Calibrated: 3/16/2018;
- Sensor-Surface: (Fix Surface)
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB; Serial: 1155

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 = 48.15 V/m; Power Drift = 0.05 dB

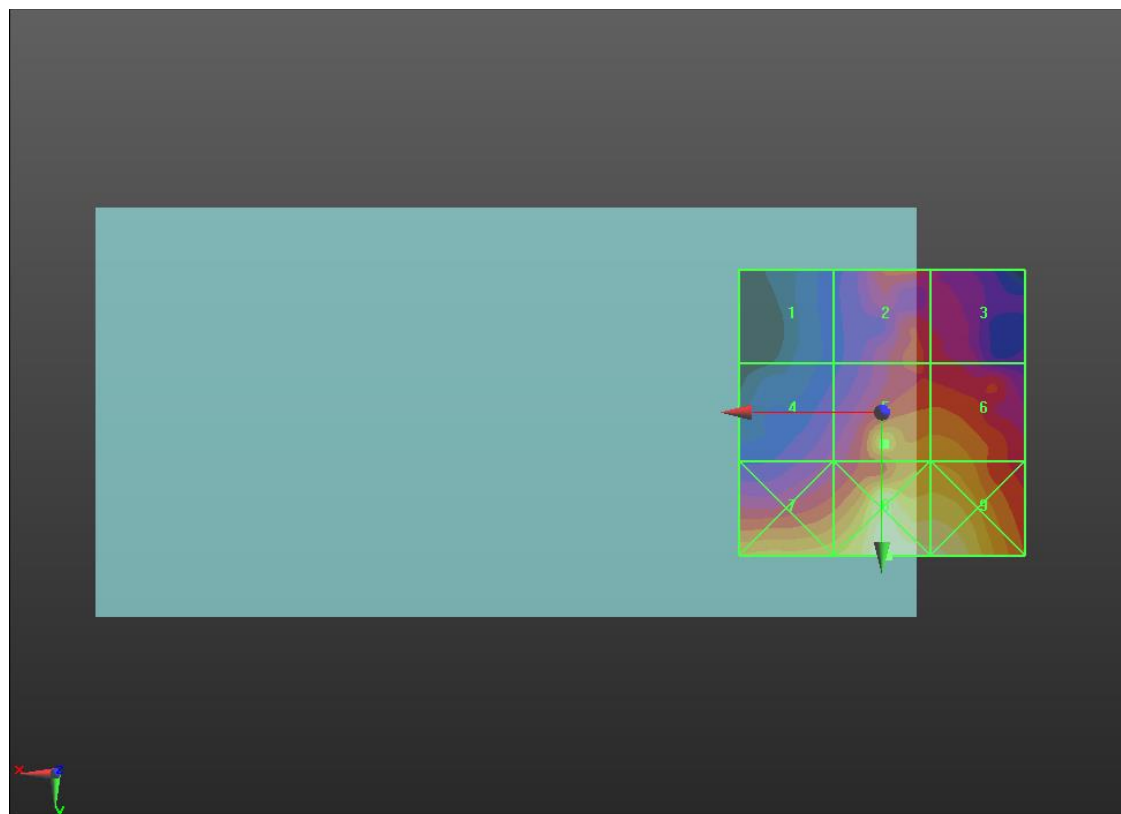
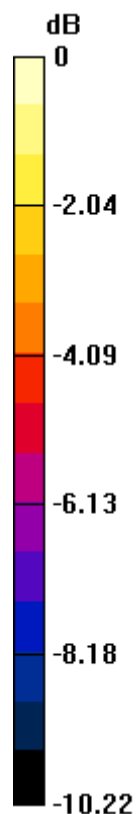
Applied MIF = 0.12 dB

RF audio interference level = 33.59 dBV/m

Emission category: **M3**

MIF scaled E-field

Grid 1 M4 27.96 dBV/m	Grid 2 M3 31.51 dBV/m	Grid 3 M3 30.62 dBV/m
Grid 4 M4 29.76 dBV/m	Grid 5 M3 33.59 dBV/m	Grid 6 M3 32.8 dBV/m
Grid 7 M3 33.55 dBV/m	Grid 8 M2 35.59 dBV/m	Grid 9 M2 35.21 dBV/m



0 dB = 60.21 V/m = 35.59 dBV/m

HAC-RF Emission ANT 5

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 - SN4028; ConvF(1, 1, 1); Calibrated: 7/24/2017;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1472; Calibrated: 3/8/2018
- 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 = 12.07 V/m; Power Drift = -0.16 dB

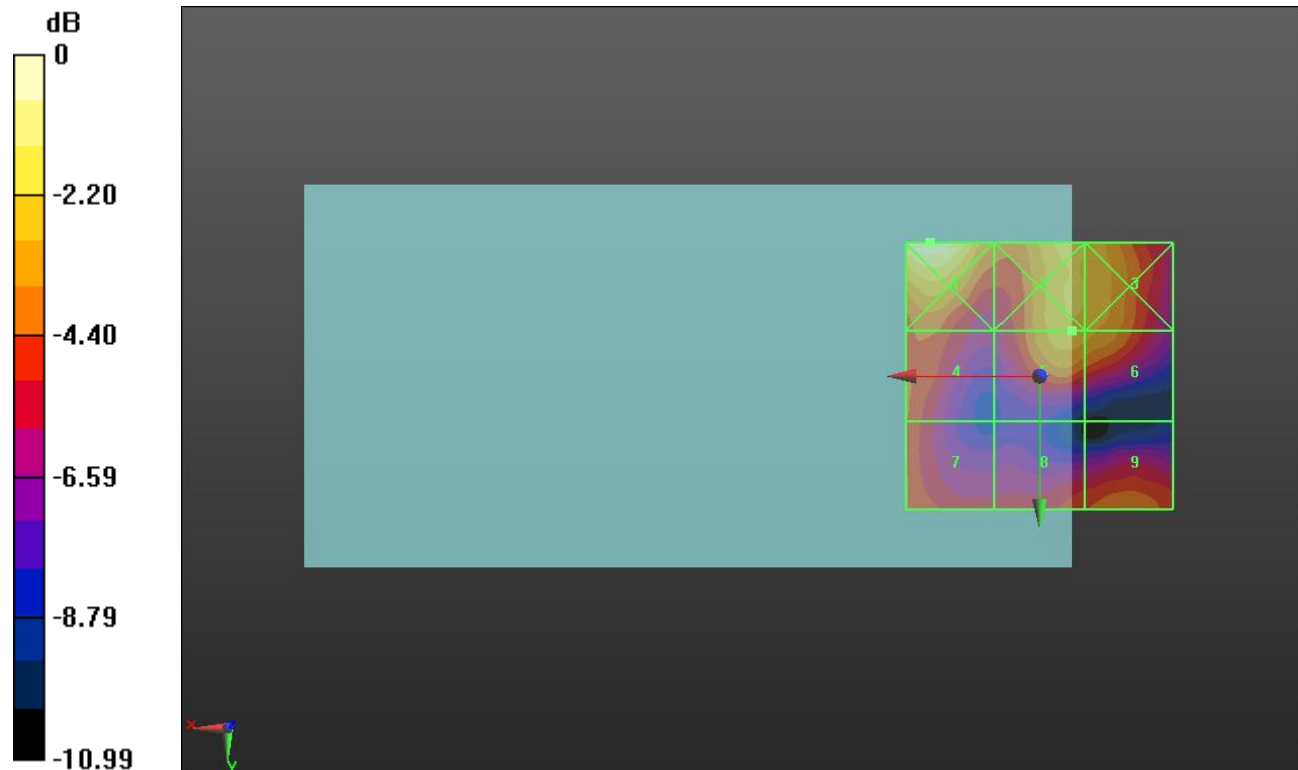
Applied MIF = -3.15 dB

RF audio interference level = 17.42 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 19.81 dBV/m	Grid 2 M4 17.99 dBV/m	Grid 3 M4 17.65 dBV/m
Grid 4 M4 15.62 dBV/m	Grid 5 M4 17.42 dBV/m	Grid 6 M4 17.18 dBV/m
Grid 7 M4 15.58 dBV/m	Grid 8 M4 15.38 dBV/m	Grid 9 M4 16.03 dBV/m



0 dB = 9.784 V/m = 19.81 dBV/m

HAC-RF Emission ANT 5

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 - SN4028; ConvF(1, 1, 1); Calibrated: 7/24/2017;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1472; Calibrated: 3/8/2018
- 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 = 11.68 V/m; Power Drift = -0.01 dB

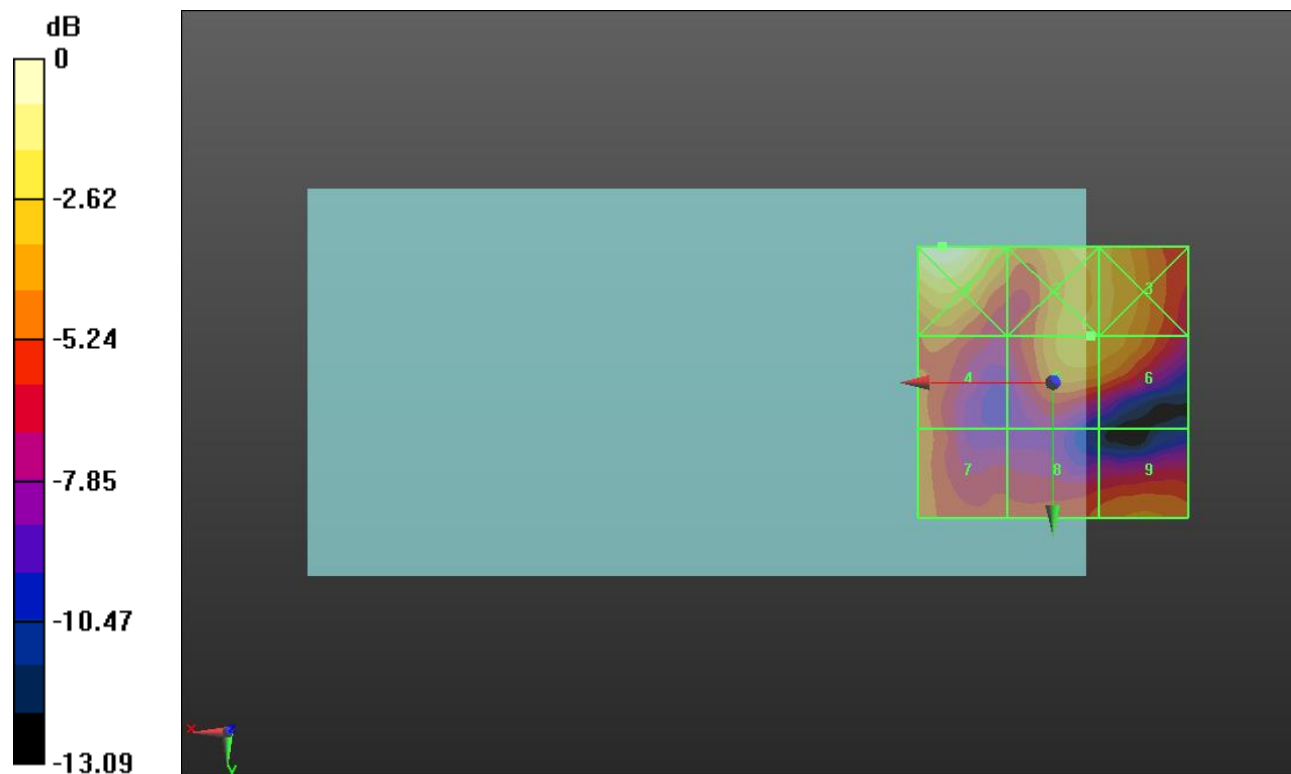
Applied MIF = -3.15 dB

RF audio interference level = 16.83 dBV/m

Emission category: **M4**

MIF scaled E-field

Grid 1 M4 19.45 dBV/m	Grid 2 M4 17.25 dBV/m	Grid 3 M4 17.15 dBV/m
Grid 4 M4 15.08 dBV/m	Grid 5 M4 16.83 dBV/m	Grid 6 M4 16.78 dBV/m
Grid 7 M4 15.22 dBV/m	Grid 8 M4 14.56 dBV/m	Grid 9 M4 15.28 dBV/m



0 dB = 9.385 V/m = 19.45 dBV/m

HAC-RF Emission ANT 5

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 - SN4028; ConvF(1, 1, 1); Calibrated: 7/24/2017;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1472; Calibrated: 3/8/2018
- 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 = 10.73 V/m; Power Drift = -0.04 dB

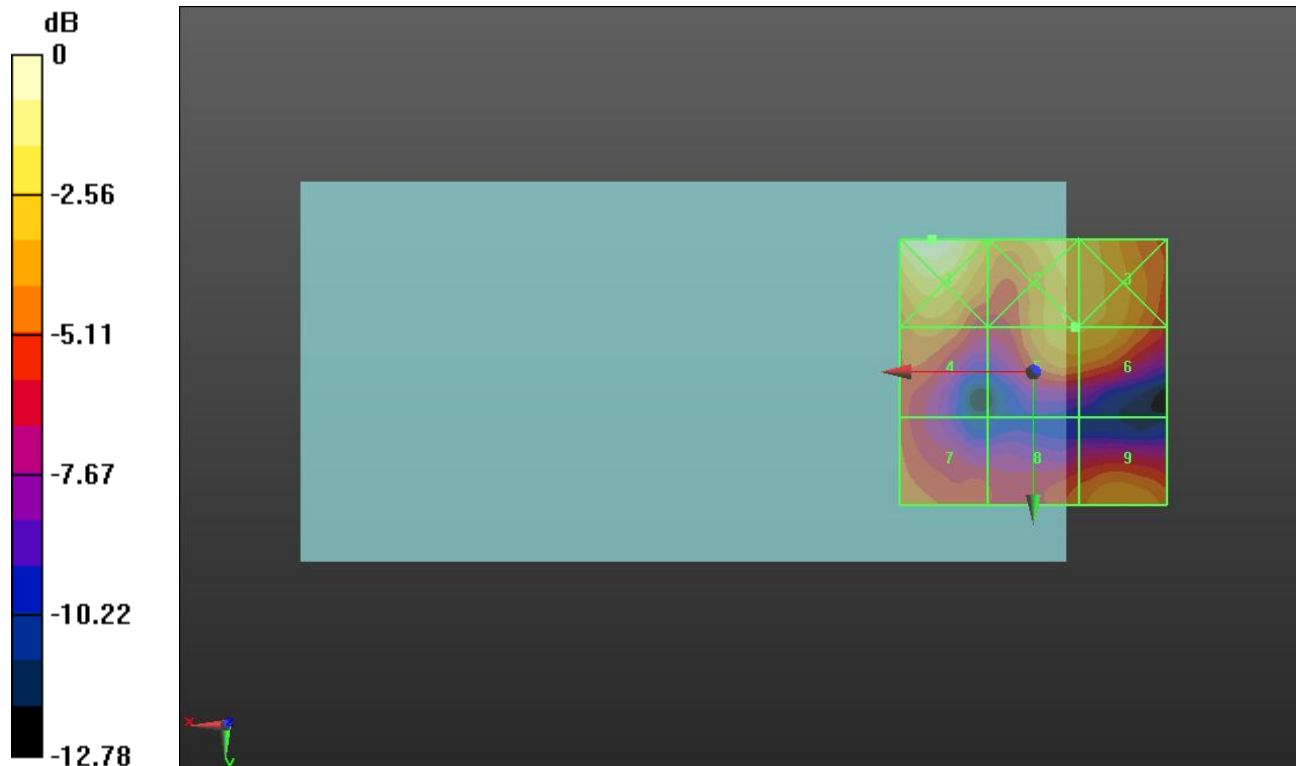
Applied MIF = -3.15 dB

RF audio interference level = 16.85 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 19.31 dBV/m	Grid 2 M4 17.44 dBV/m	Grid 3 M4 17.32 dBV/m
Grid 4 M4 15.54 dBV/m	Grid 5 M4 16.85 dBV/m	Grid 6 M4 16.85 dBV/m
Grid 7 M4 15.06 dBV/m	Grid 8 M4 14.77 dBV/m	Grid 9 M4 15.81 dBV/m



0 dB = 9.236 V/m = 19.31 dBV/m

HAC-RF Emission ANT 5

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 - SN4028; ConvF(1, 1, 1); Calibrated: 7/24/2017;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1472; Calibrated: 3/8/2018
- 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 = 10.34 V/m; Power Drift = -0.08 dB

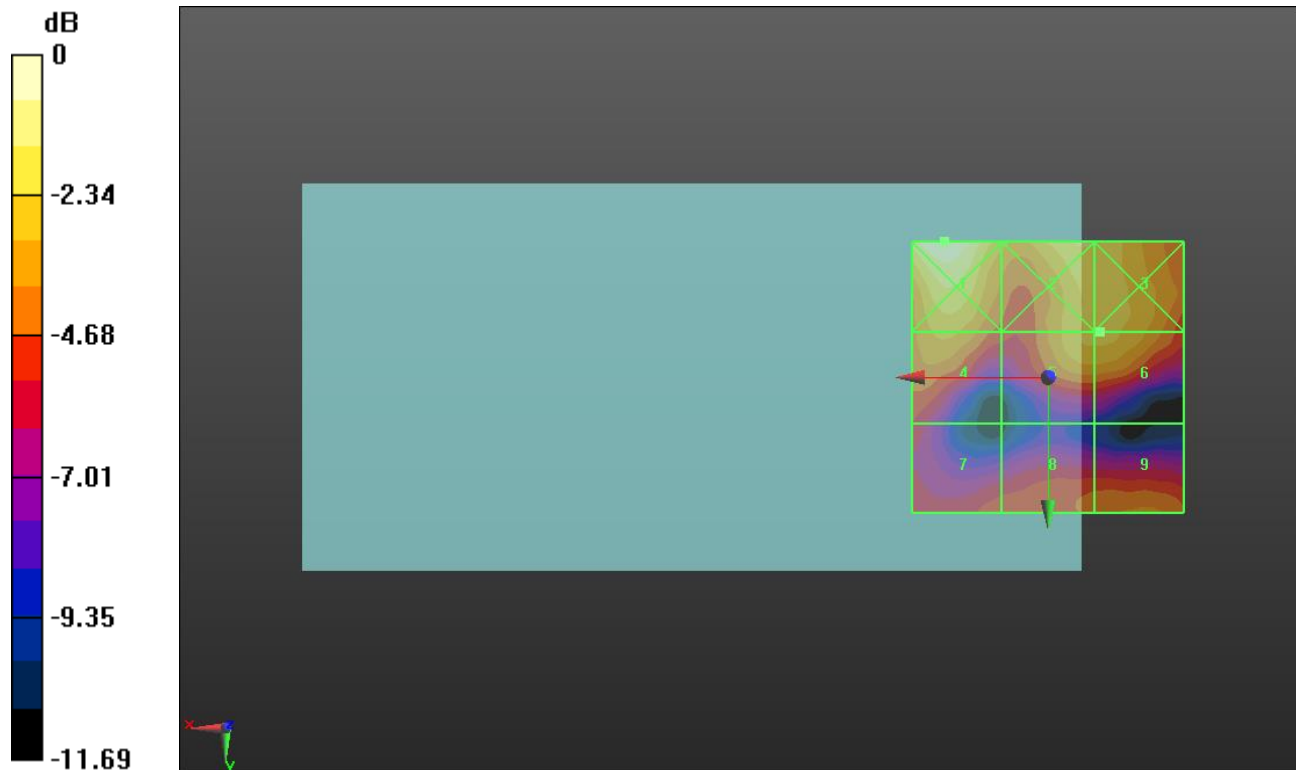
Applied MIF = -3.15 dB

RF audio interference level = 16.58 dBV/m

Emission category: **M4**

MIF scaled E-field

Grid 1 M4 18.72 dBV/m	Grid 2 M4 17.3 dBV/m	Grid 3 M4 17.23 dBV/m
Grid 4 M4 15.85 dBV/m	Grid 5 M4 16.57 dBV/m	Grid 6 M4 16.58 dBV/m
Grid 7 M4 13.75 dBV/m	Grid 8 M4 14.47 dBV/m	Grid 9 M4 15.02 dBV/m



0 dB = 8.633 V/m = 18.72 dBV/m

HAC-RF Emission ANT 5

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 - SN4028; ConvF(1, 1, 1); Calibrated: 7/24/2017;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1472; Calibrated: 3/8/2018
- 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 = 9.007 V/m; Power Drift = -0.17 dB

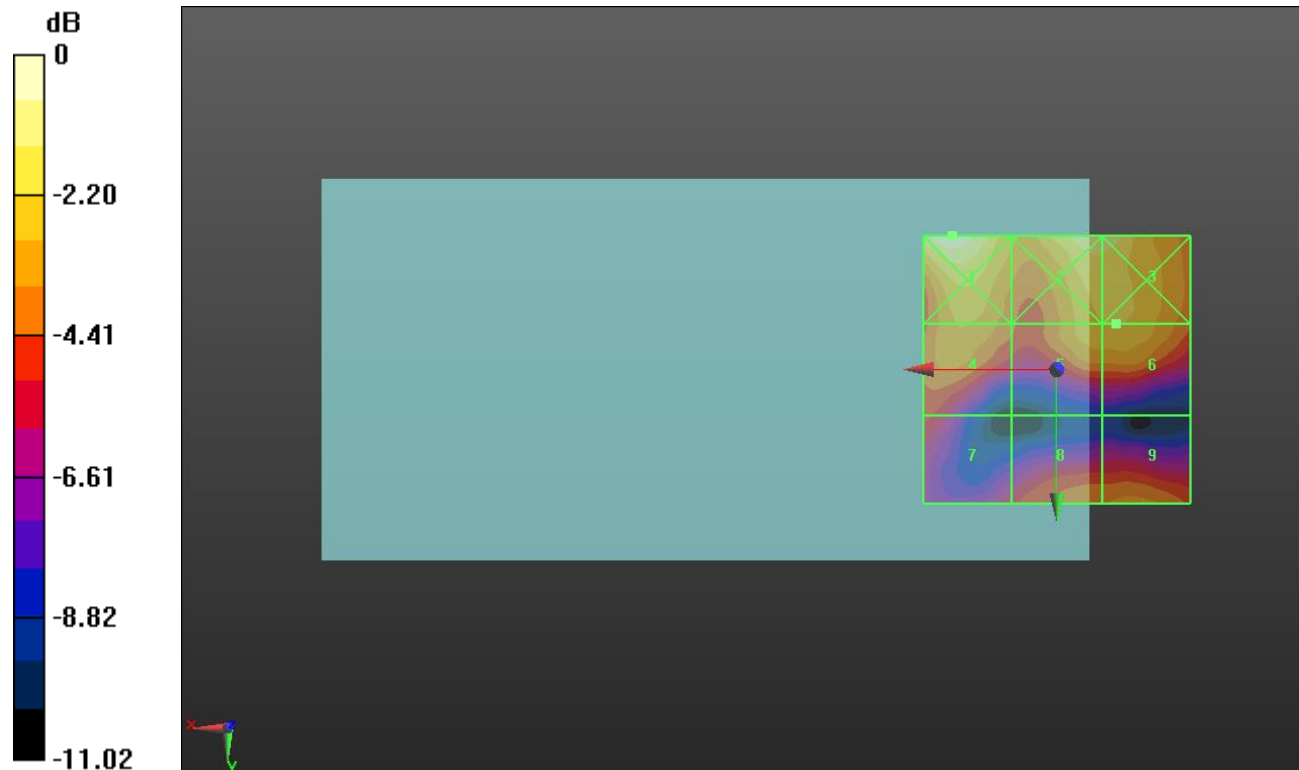
Applied MIF = -3.15 dB

RF audio interference level = 16.12 dBV/m

Emission category: **M4**

MIF scaled E-field

Grid 1 M4 18.29 dBV/m	Grid 2 M4 17.48 dBV/m	Grid 3 M4 17.47 dBV/m
Grid 4 M4 15.4 dBV/m	Grid 5 M4 16.05 dBV/m	Grid 6 M4 16.12 dBV/m
Grid 7 M4 13.36 dBV/m	Grid 8 M4 14.56 dBV/m	Grid 9 M4 14.87 dBV/m



0 dB = 8.210 V/m = 18.29 dBV/m

HAC-RF Emission ANT 5

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 - SN4028; ConvF(1, 1, 1); Calibrated: 7/24/2017;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1472; Calibrated: 3/8/2018
- 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 = 8.822 V/m; Power Drift = -0.12 dB

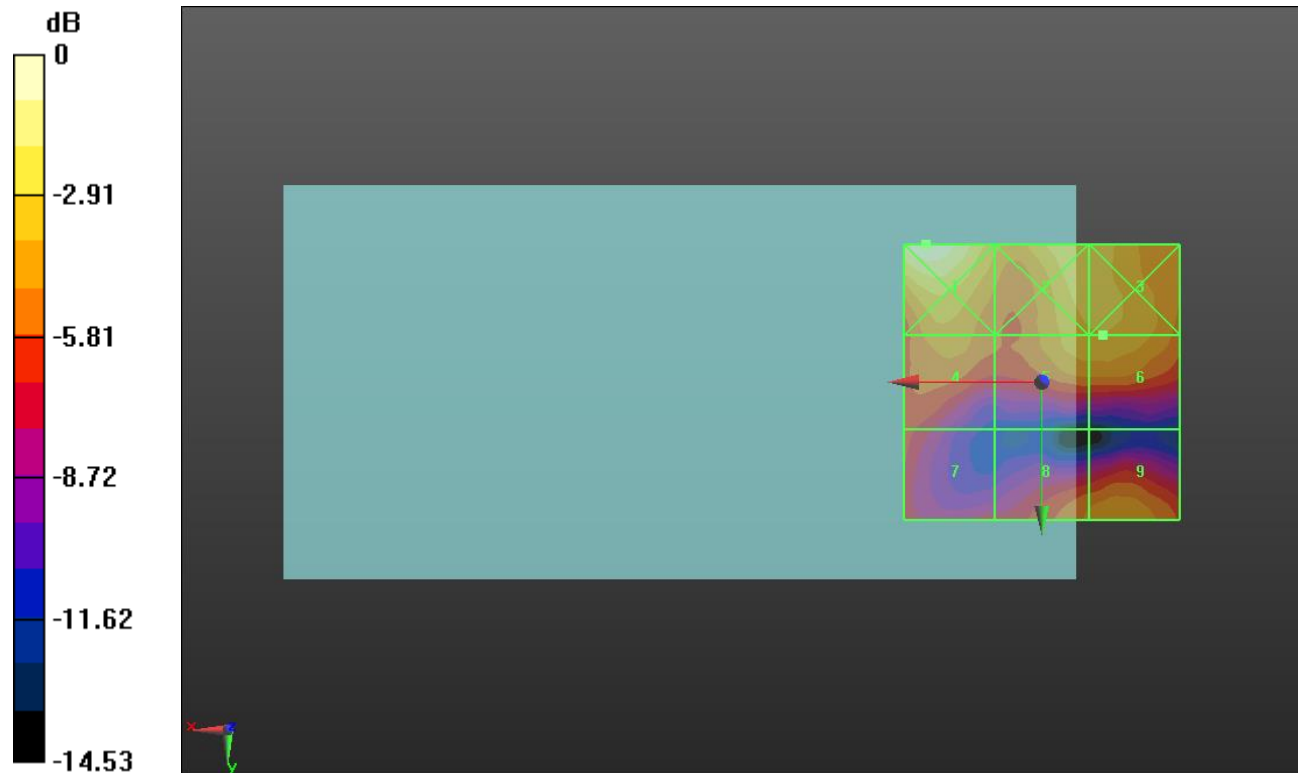
Applied MIF = -3.15 dB

RF audio interference level = 16.02 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 19 dBV/m	Grid 2 M4 17.1 dBV/m	Grid 3 M4 16.93 dBV/m
Grid 4 M4 14.8 dBV/m	Grid 5 M4 15.94 dBV/m	Grid 6 M4 16.02 dBV/m
Grid 7 M4 12.72 dBV/m	Grid 8 M4 14.4 dBV/m	Grid 9 M4 15 dBV/m



0 dB = 8.913 V/m = 19.00 dBV/m

HAC-RF Emission ANT 5

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 - SN4028; ConvF(1, 1, 1); Calibrated: 7/24/2017;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1472; Calibrated: 3/8/2018
- 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 = 5.793 V/m; Power Drift = 0.02 dB

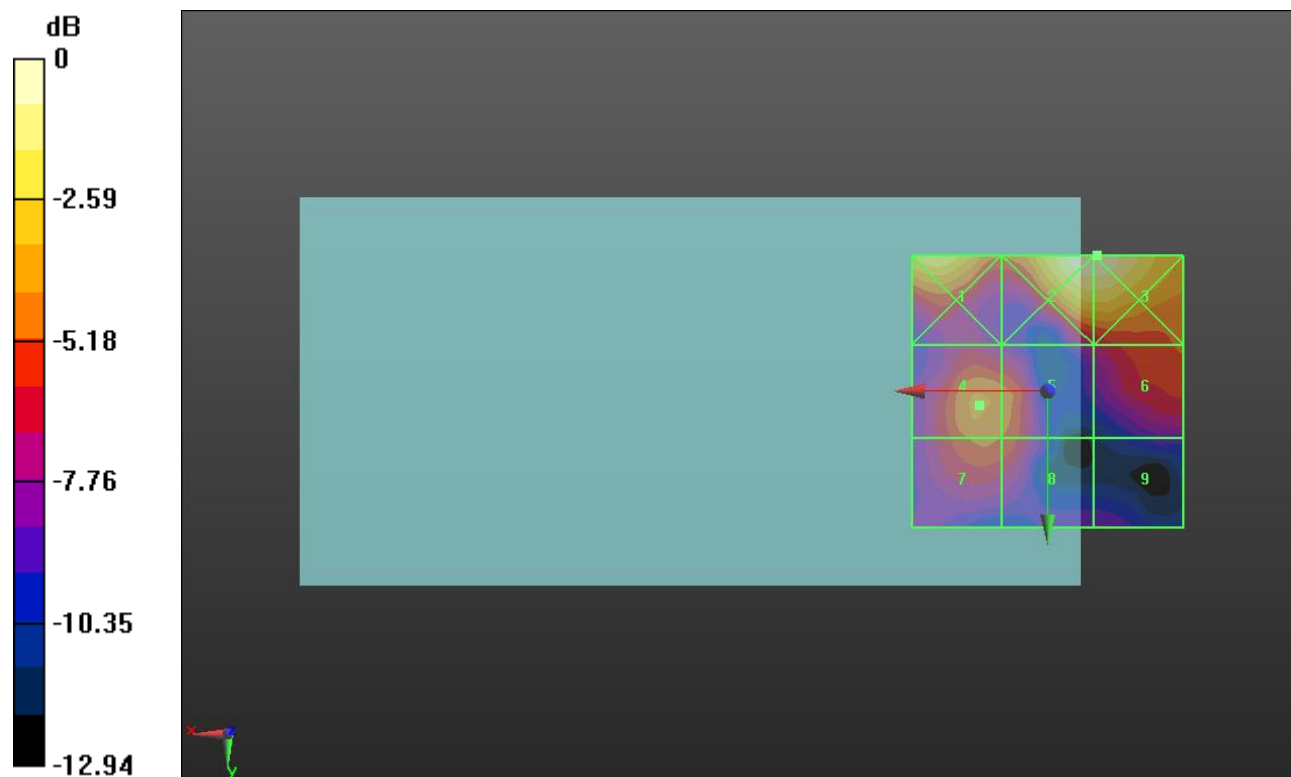
Applied MIF = -3.15 dB

RF audio interference level = 14.66 dBV/m

Emission category: **M4**

MIF scaled E-field

Grid 1 M4 17.36 dBV/m	Grid 2 M4 18.8 dBV/m	Grid 3 M4 18.8 dBV/m
Grid 4 M4 14.66 dBV/m	Grid 5 M4 14.19 dBV/m	Grid 6 M4 13.82 dBV/m
Grid 7 M4 13.97 dBV/m	Grid 8 M4 13.63 dBV/m	Grid 9 M4 10.36 dBV/m



0 dB = 8.713 V/m = 18.80 dBV/m

HAC-RF Emission ANT 5

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 - SN4028; ConvF(1, 1, 1); Calibrated: 7/24/2017;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1472; Calibrated: 3/8/2018
- 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 = 5.108 V/m; Power Drift = 0.14 dB

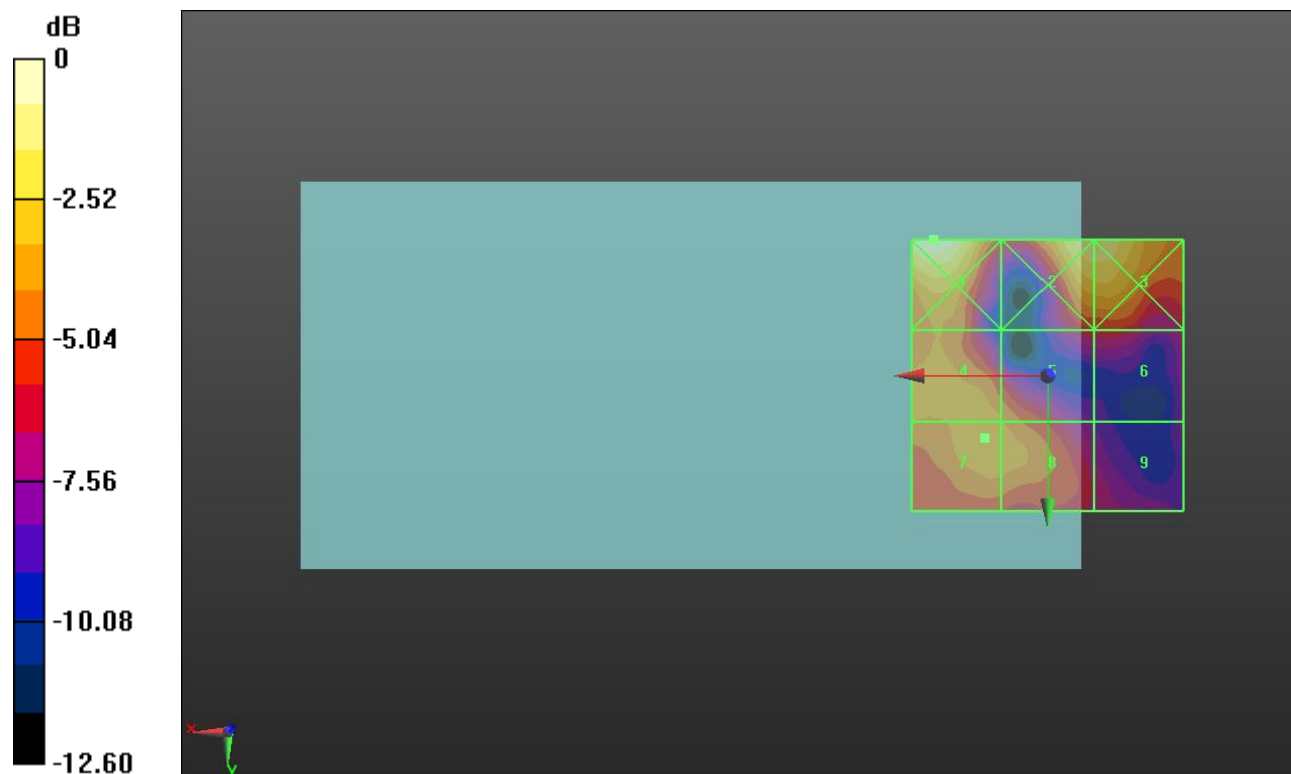
Applied MIF = -3.15 dB

RF audio interference level = 13.00 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 16.56 dBV/m	Grid 2 M4 15.73 dBV/m	Grid 3 M4 15.74 dBV/m
Grid 4 M4 12.9 dBV/m	Grid 5 M4 12.45 dBV/m	Grid 6 M4 10.7 dBV/m
Grid 7 M4 13 dBV/m	Grid 8 M4 12.87 dBV/m	Grid 9 M4 9.74 dBV/m



0 dB = 6.726 V/m = 16.56 dBV/m

HAC-RF Emission ANT 5

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 - SN4028; ConvF(1, 1, 1); Calibrated: 7/24/2017;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1472; Calibrated: 3/8/2018
- 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 = 6.481 V/m; Power Drift = -0.10 dB

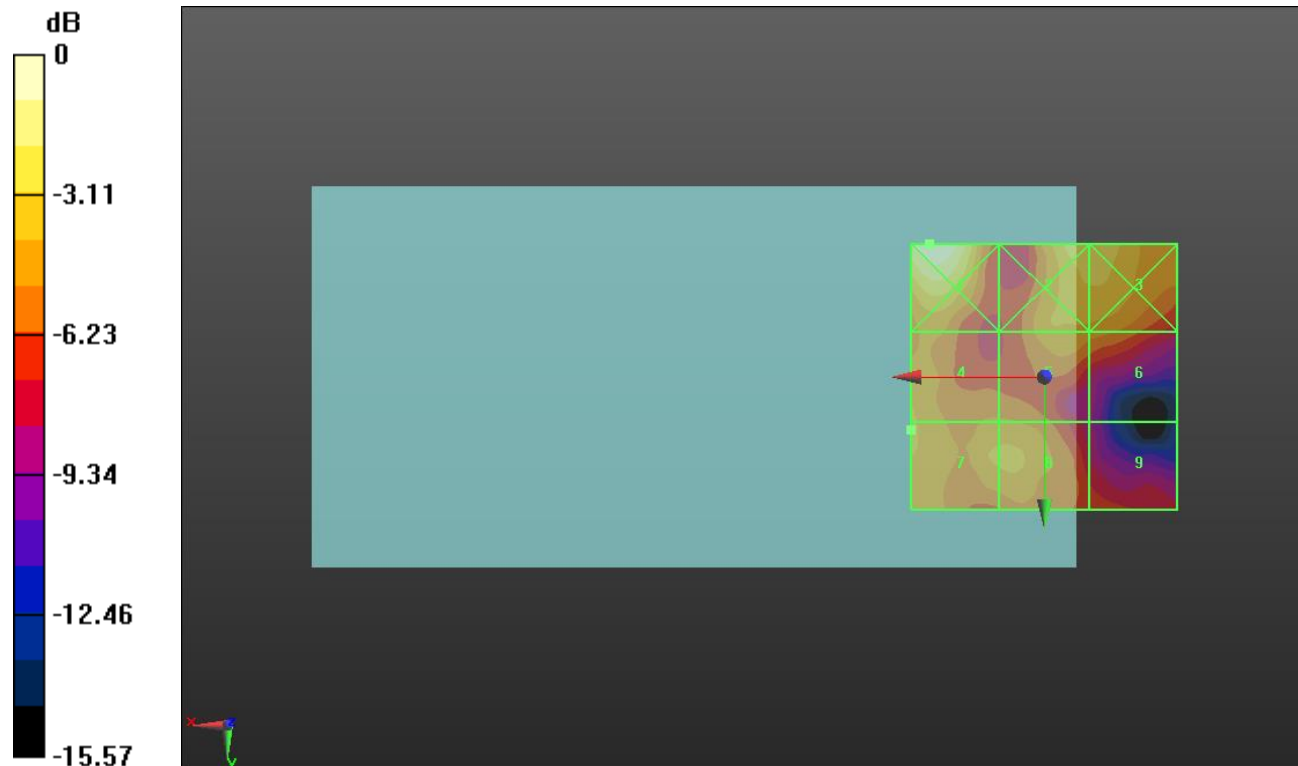
Applied MIF = -3.15 dB

RF audio interference level = 12.72 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 16.57 dBV/m	Grid 2 M4 14.45 dBV/m	Grid 3 M4 14.41 dBV/m
Grid 4 M4 12.69 dBV/m	Grid 5 M4 12.32 dBV/m	Grid 6 M4 11.98 dBV/m
Grid 7 M4 12.72 dBV/m	Grid 8 M4 12.65 dBV/m	Grid 9 M4 10.12 dBV/m



0 dB = 6.739 V/m = 16.57 dBV/m

HAC-RF Emission ANT 5

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 - SN4028; ConvF(1, 1, 1); Calibrated: 7/24/2017;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1472; Calibrated: 3/8/2018
- 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 = 6.303 V/m; Power Drift = -0.19 dB

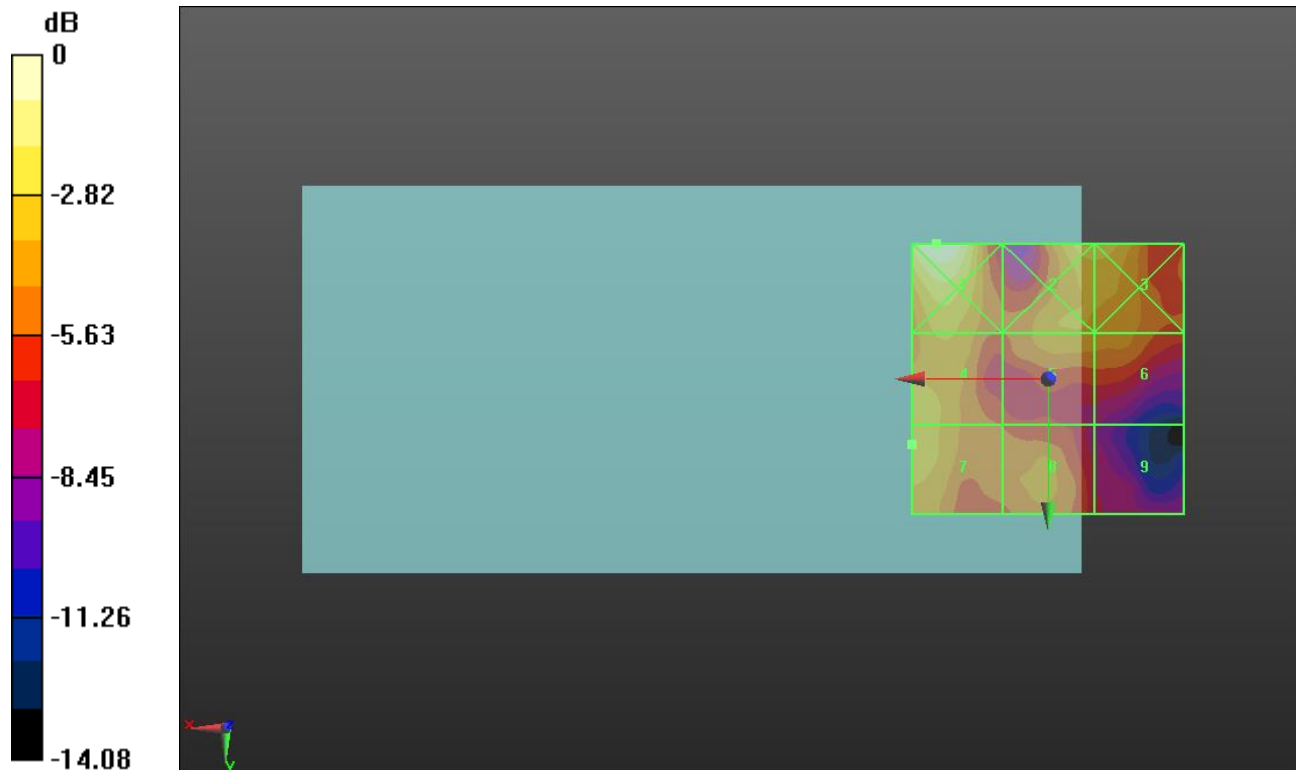
Applied MIF = -3.15 dB

RF audio interference level = 13.28 dBV/m

Emission category: **M4**

MIF scaled E-field

Grid 1 M4 16.25 dBV/m	Grid 2 M4 14.27 dBV/m	Grid 3 M4 14.22 dBV/m
Grid 4 M4 13.18 dBV/m	Grid 5 M4 12.42 dBV/m	Grid 6 M4 12.14 dBV/m
Grid 7 M4 13.28 dBV/m	Grid 8 M4 11.91 dBV/m	Grid 9 M4 9.18 dBV/m



0 dB = 6.494 V/m = 16.25 dBV/m

HAC-RF Emission ANT 5

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 - SN4028; ConvF(1, 1, 1); Calibrated: 7/24/2017;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1472; Calibrated: 3/8/2018
- 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 = 6.324 V/m; Power Drift = -0.16 dB

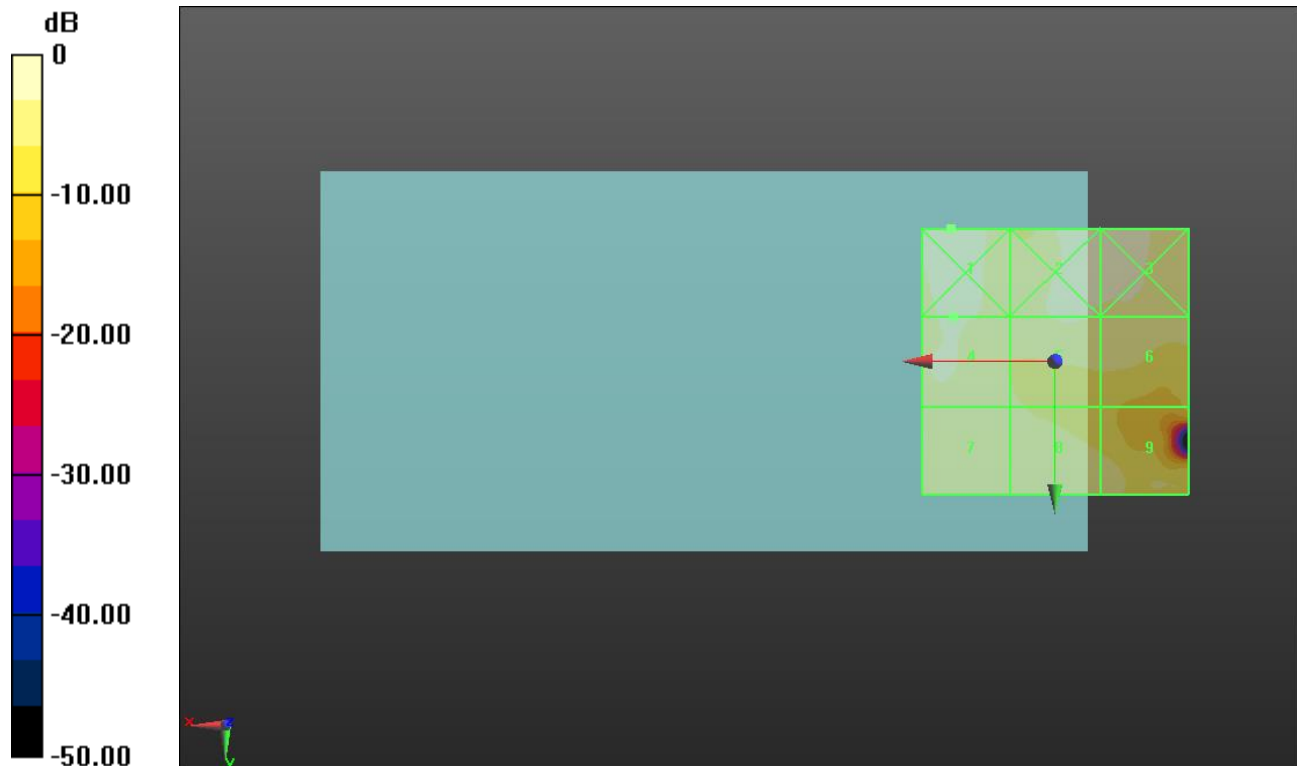
Applied MIF = -3.15 dB

RF audio interference level = 13.08 dBV/m

Emission category: **M4**

MIF scaled E-field

Grid 1 M4 15.84 dBV/m	Grid 2 M4 15.3 dBV/m	Grid 3 M4 15.3 dBV/m
Grid 4 M4 13.08 dBV/m	Grid 5 M4 12.87 dBV/m	Grid 6 M4 12.1 dBV/m
Grid 7 M4 12.58 dBV/m	Grid 8 M4 11.76 dBV/m	Grid 9 M4 10.73 dBV/m



0 dB = 6.196 V/m = 15.84 dBV/m

HAC-RF Emission ANT 5

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 - SN4028; ConvF(1, 1, 1); Calibrated: 7/24/2017;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1472; Calibrated: 3/8/2018
- 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 = 7.014 V/m; Power Drift = -0.09 dB

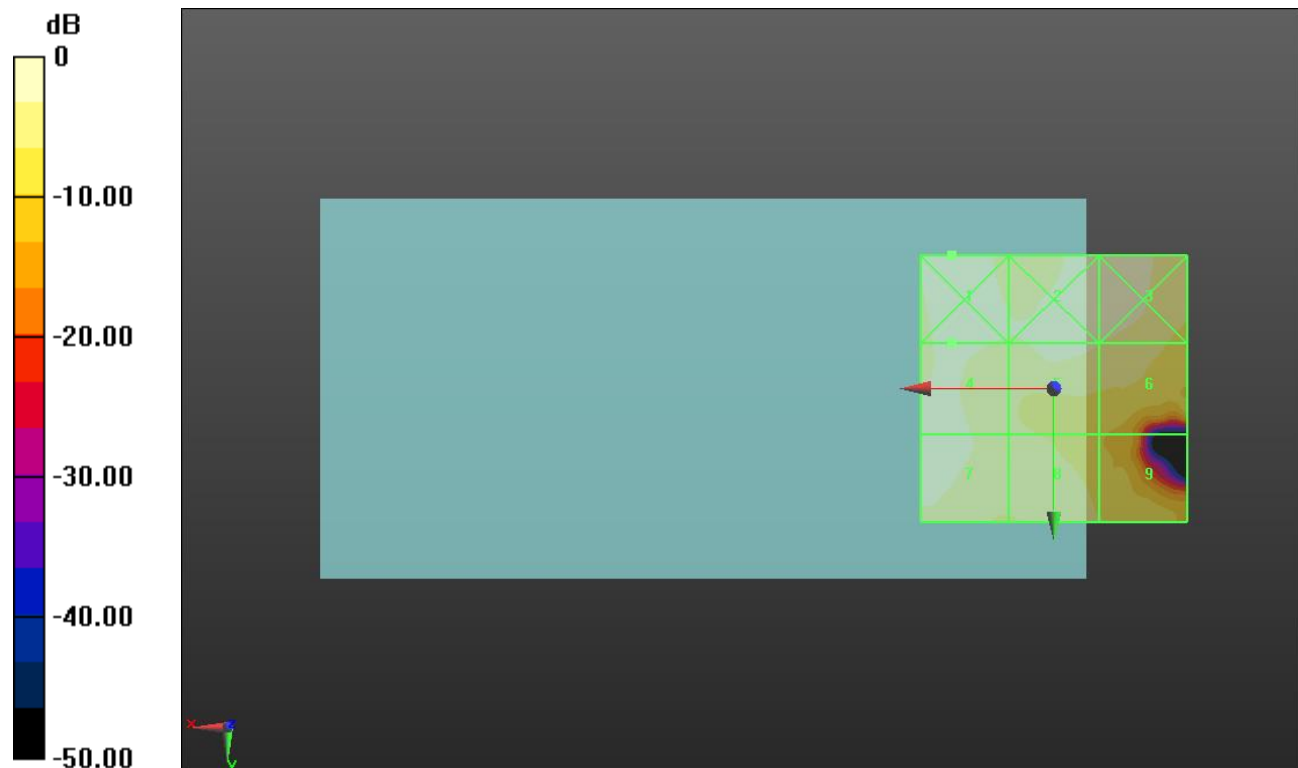
Applied MIF = -3.15 dB

RF audio interference level = 13.74 dBV/m

Emission category: **M4**

MIF scaled E-field

Grid 1 M4 16.09 dBV/m	Grid 2 M4 15.37 dBV/m	Grid 3 M4 15.41 dBV/m
Grid 4 M4 13.74 dBV/m	Grid 5 M4 13.72 dBV/m	Grid 6 M4 12.83 dBV/m
Grid 7 M4 13.61 dBV/m	Grid 8 M4 11.3 dBV/m	Grid 9 M4 9.74 dBV/m



0 dB = 6.375 V/m = 16.09 dBV/m

HAC-RF Emission ANT 6

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 - SN4028; ConvF(1, 1, 1); Calibrated: 7/24/2017;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1472; Calibrated: 3/8/2018
- 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 = 27.78 V/m; Power Drift = -0.03 dB

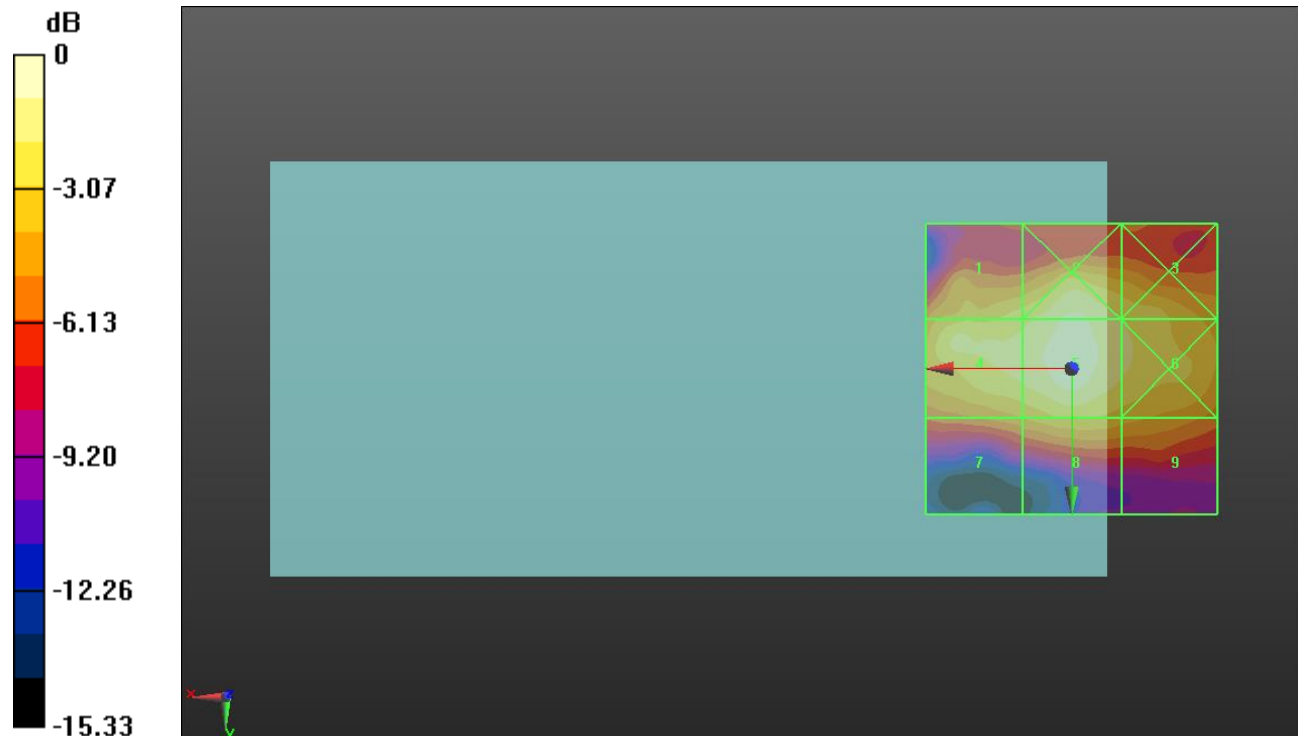
Applied MIF = -3.15 dB

RF audio interference level = 26.63 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 24.22 dBV/m	Grid 2 M4 25.86 dBV/m	Grid 3 M4 24.57 dBV/m
Grid 4 M4 25.08 dBV/m	Grid 5 M4 26.63 dBV/m	Grid 6 M4 24.91 dBV/m
Grid 7 M4 22.52 dBV/m	Grid 8 M4 23.68 dBV/m	Grid 9 M4 23.01 dBV/m



0 dB = 21.44 V/m = 26.62 dBV/m

HAC-RF Emission ANT 6

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 - SN4028; ConvF(1, 1, 1); Calibrated: 7/24/2017;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1472; Calibrated: 3/8/2018
- 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 = 28.49 V/m; Power Drift = -0.04 dB

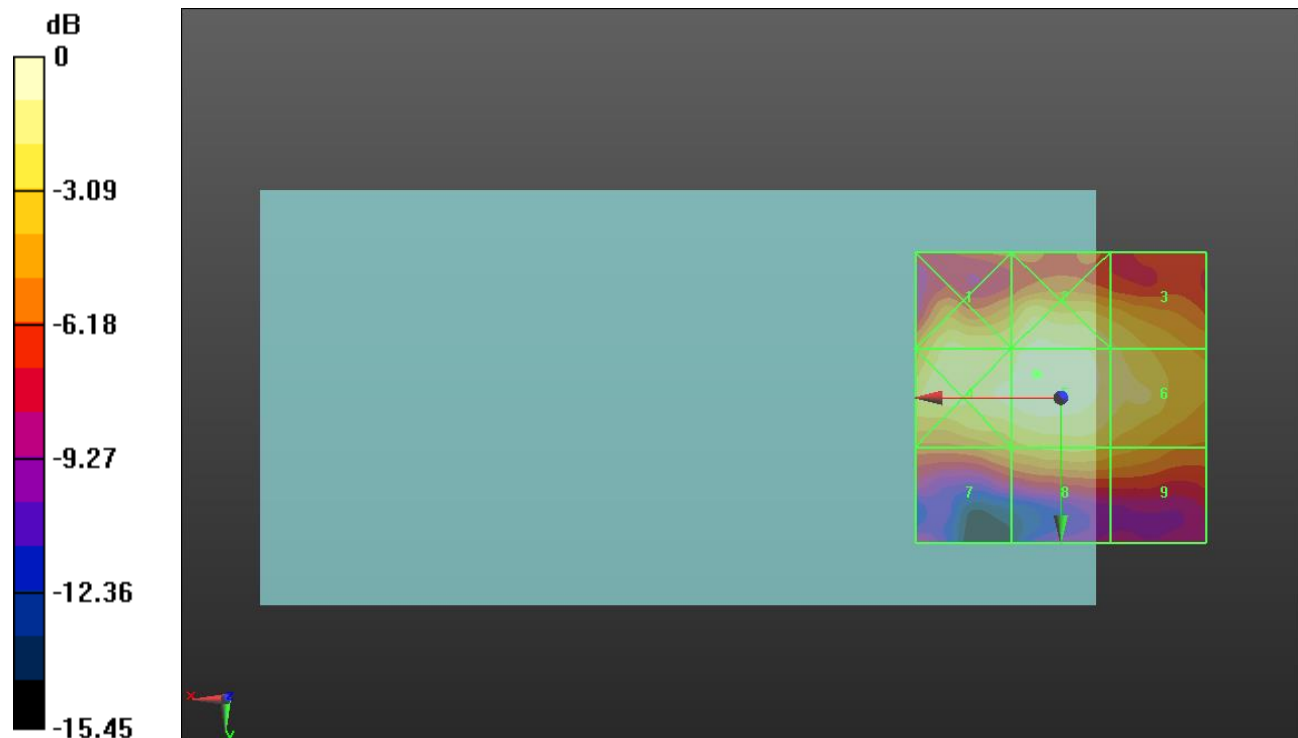
Applied MIF = -3.15 dB

RF audio interference level = 26.56 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 24.93 dBV/m	Grid 2 M4 25.92 dBV/m	Grid 3 M4 24.8 dBV/m
Grid 4 M4 25.94 dBV/m	Grid 5 M4 26.56 dBV/m	Grid 6 M4 25.14 dBV/m
Grid 7 M4 22.89 dBV/m	Grid 8 M4 23.88 dBV/m	Grid 9 M4 23.22 dBV/m



0 dB = 21.29 V/m = 26.56 dBV/m

HAC-RF Emission ANT 6

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 - SN4028; ConvF(1, 1, 1); Calibrated: 7/24/2017;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1472; Calibrated: 3/8/2018
- 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 = 40.92 V/m; Power Drift = 0.00 dB

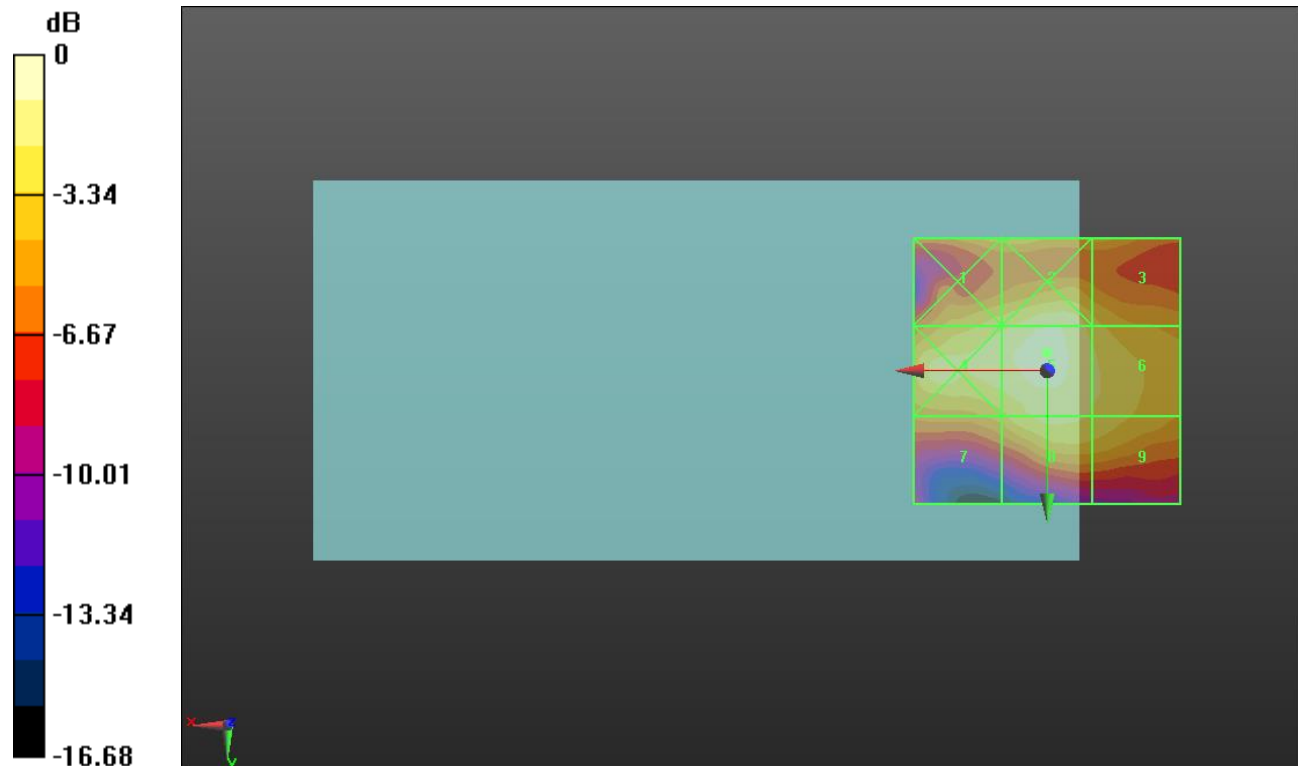
Applied MIF = -3.15 dB

RF audio interference level = 26.91 dBV/m

Emission category: **M4**

MIF scaled E-field

Grid 1 M4 24.36 dBV/m	Grid 2 M4 25.7 dBV/m	Grid 3 M4 24.12 dBV/m
Grid 4 M4 25.77 dBV/m	Grid 5 M4 26.91 dBV/m	Grid 6 M4 24.91 dBV/m
Grid 7 M4 23.22 dBV/m	Grid 8 M4 25.09 dBV/m	Grid 9 M4 24.58 dBV/m



0 dB = 22.15 V/m = 26.91 dBV/m

HAC-RF Emission ANT 6

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 - SN4028; ConvF(1, 1, 1); Calibrated: 7/24/2017;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1472; Calibrated: 3/8/2018
- 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 = 40.88 V/m; Power Drift = 0.10 dB

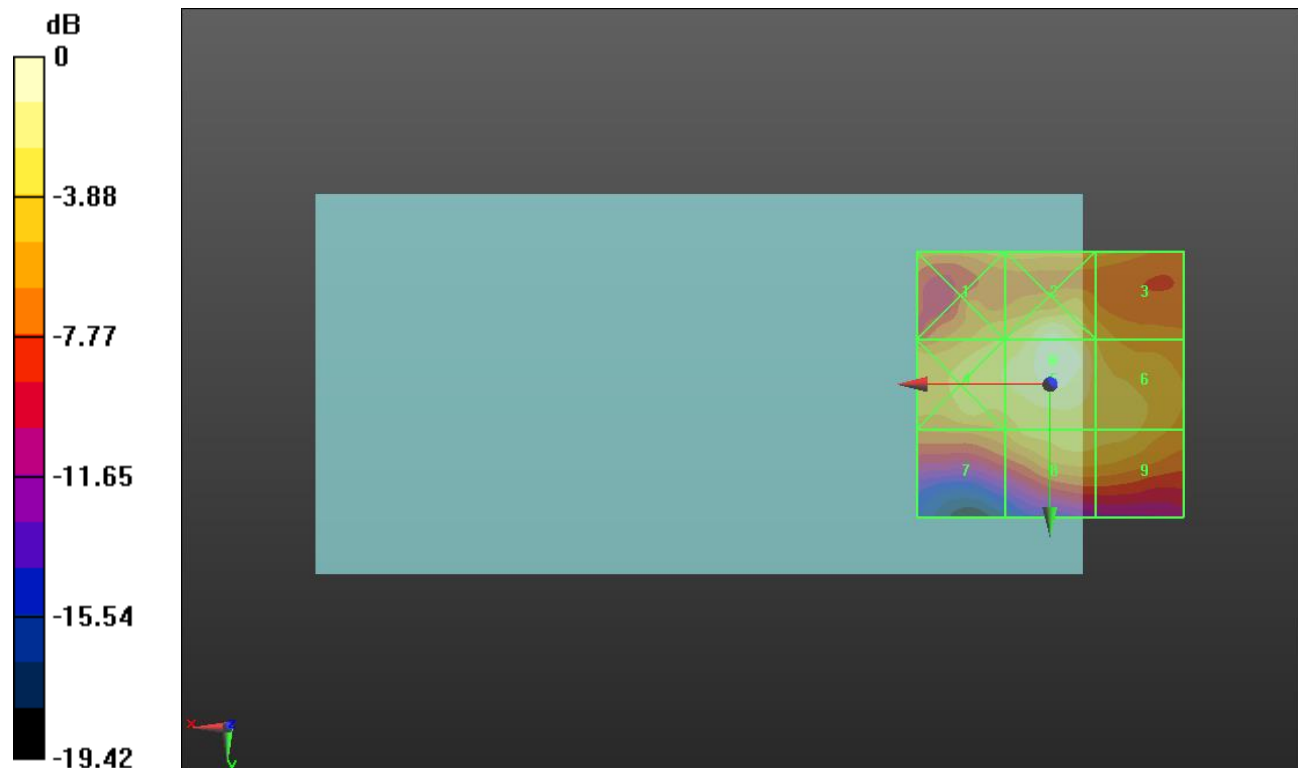
Applied MIF = -3.15 dB

RF audio interference level = 28.08 dBV/m

Emission category: **M4**

MIF scaled E-field

Grid 1 M4 24.42 dBV/m	Grid 2 M4 27.27 dBV/m	Grid 3 M4 24.18 dBV/m
Grid 4 M4 25.55 dBV/m	Grid 5 M4 28.08 dBV/m	Grid 6 M4 25.14 dBV/m
Grid 7 M4 23.23 dBV/m	Grid 8 M4 25.12 dBV/m	Grid 9 M4 24.85 dBV/m



0 dB = 25.36 V/m = 28.08 dBV/m

HAC-RF Emission ANT 6

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 - SN4028; ConvF(1, 1, 1); Calibrated: 7/24/2017;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1472; Calibrated: 3/8/2018
- 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 = 38.13 V/m; Power Drift = -0.09 dB

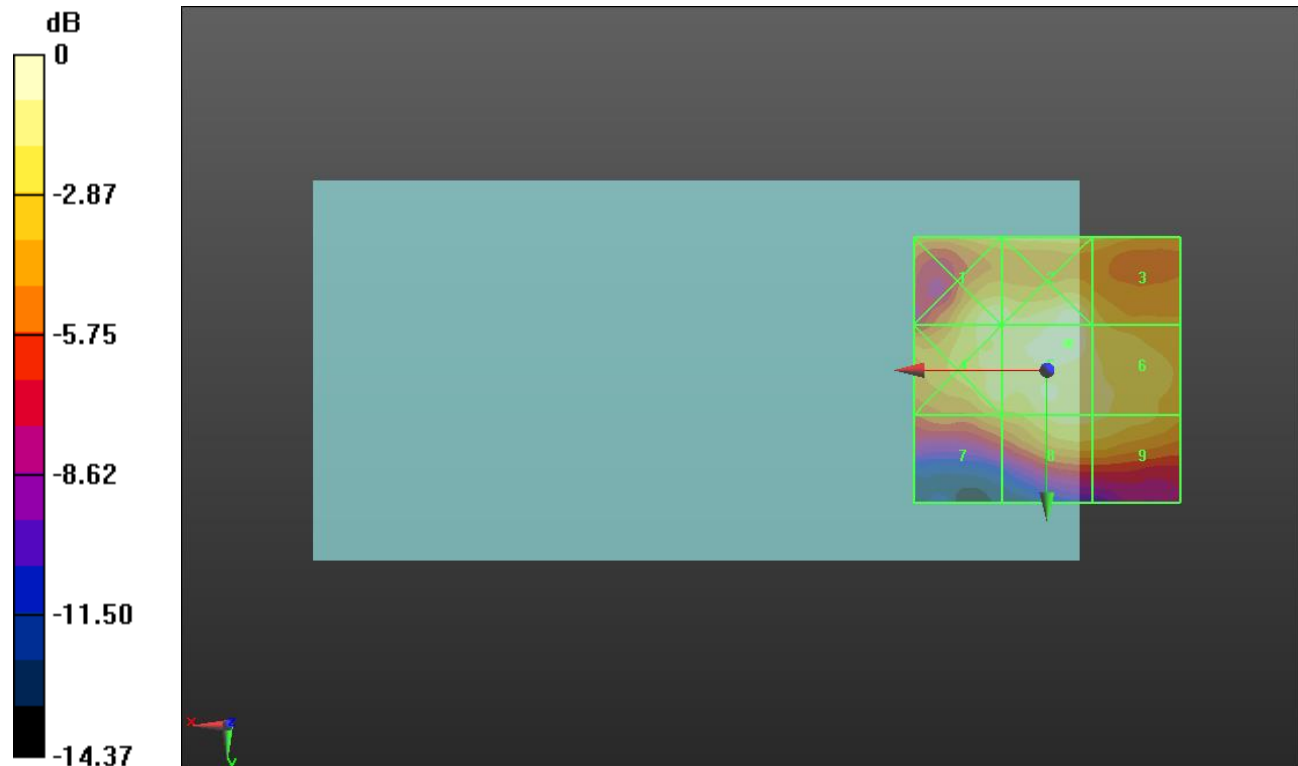
Applied MIF = -3.15 dB

RF audio interference level = 26.40 dBV/m

Emission category: **M4**

MIF scaled E-field

Grid 1 M4 25.57 dBV/m	Grid 2 M4 26.37 dBV/m	Grid 3 M4 24.49 dBV/m
Grid 4 M4 25.5 dBV/m	Grid 5 M4 26.4 dBV/m	Grid 6 M4 24.81 dBV/m
Grid 7 M4 23.05 dBV/m	Grid 8 M4 24.89 dBV/m	Grid 9 M4 24.7 dBV/m



0 dB = 20.90 V/m = 26.40 dBV/m

HAC-RF Emission ANT 6

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 - SN4028; ConvF(1, 1, 1); Calibrated: 7/24/2017;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1472; Calibrated: 3/8/2018
- 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 = 37.60 V/m; Power Drift = 0.06 dB

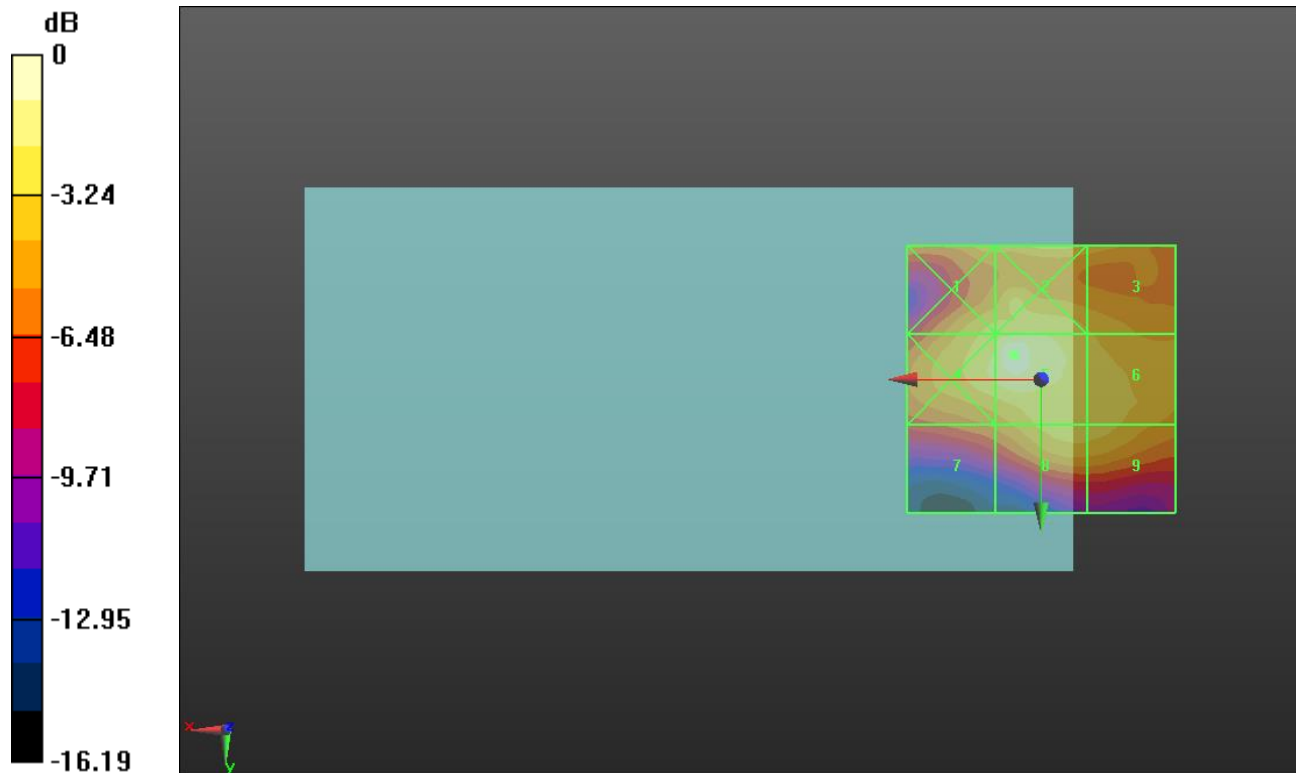
Applied MIF = -3.15 dB

RF audio interference level = 27.45 dBV/m

Emission category: **M4**

MIF scaled E-field

Grid 1 M4 24.9 dBV/m	Grid 2 M4 25.41 dBV/m	Grid 3 M4 24.4 dBV/m
Grid 4 M4 25.79 dBV/m	Grid 5 M4 27.45 dBV/m	Grid 6 M4 25.24 dBV/m
Grid 7 M4 22.43 dBV/m	Grid 8 M4 25.03 dBV/m	Grid 9 M4 24.97 dBV/m



0 dB = 23.58 V/m = 27.45 dBV/m

HAC-RF Emission ANT 6

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 - SN4028; ConvF(1, 1, 1); Calibrated: 7/24/2017;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1472; Calibrated: 3/8/2018
- 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 = 33.34 V/m; Power Drift = 0.15 dB

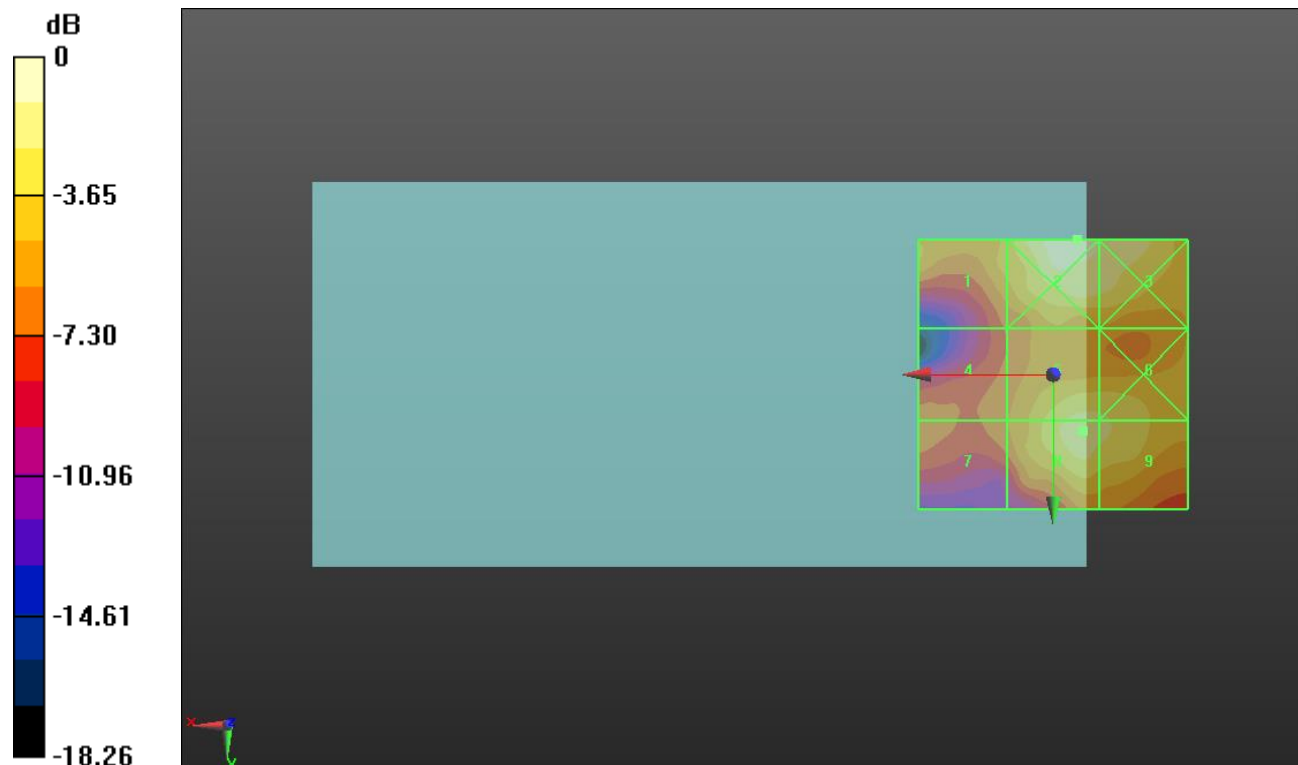
Applied MIF = -3.15 dB

RF audio interference level = 28.52 dBV/m

Emission category: **M4**

MIF scaled E-field

Grid 1 M4 25.93 dBV/m	Grid 2 M3 30.2 dBV/m	Grid 3 M4 29.14 dBV/m
Grid 4 M4 24.11 dBV/m	Grid 5 M4 28.29 dBV/m	Grid 6 M4 27.98 dBV/m
Grid 7 M4 24.12 dBV/m	Grid 8 M4 28.52 dBV/m	Grid 9 M4 28.04 dBV/m



0 dB = 32.37 V/m = 30.20 dBV/m

HAC-RF Emission ANT 6

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 - SN4028; ConvF(1, 1, 1); Calibrated: 7/24/2017;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1472; Calibrated: 3/8/2018
- 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 = 32.43 V/m; Power Drift = 0.16 dB

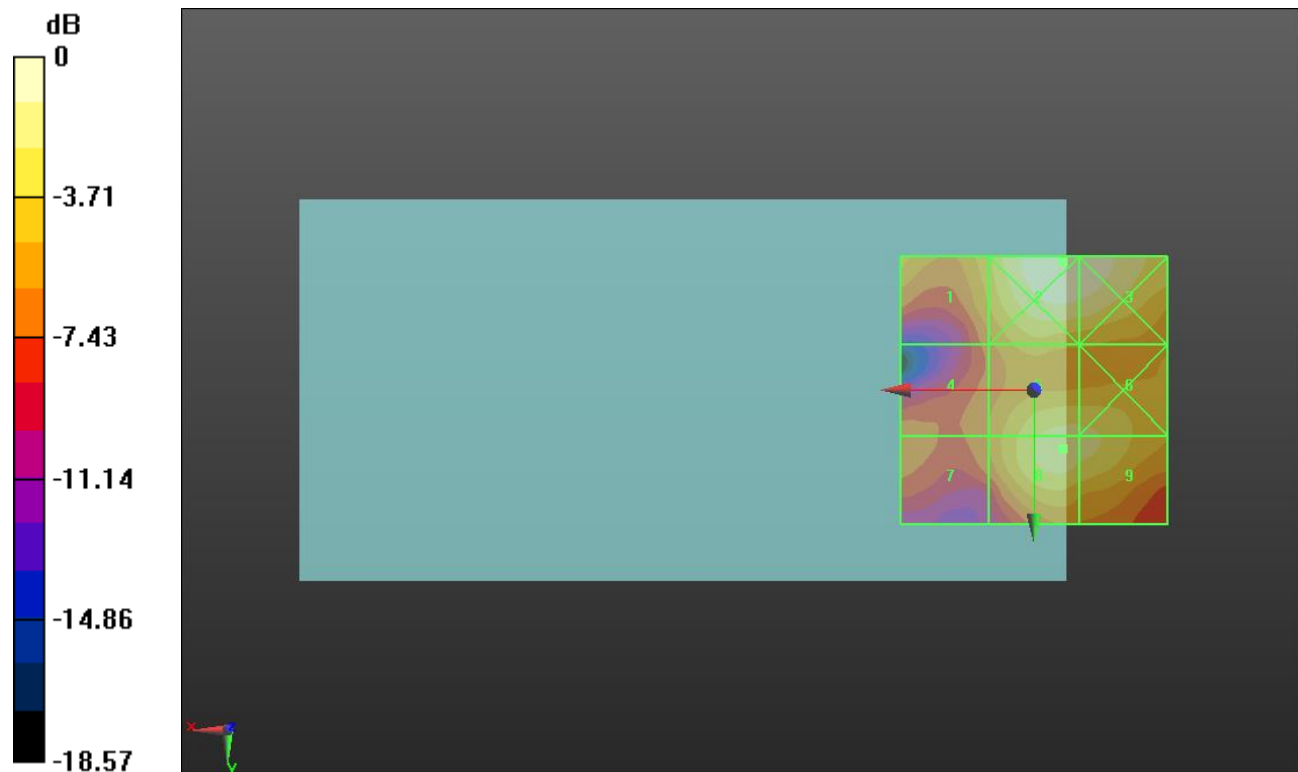
Applied MIF = -3.15 dB

RF audio interference level = 27.89 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 25.72 dBV/m	Grid 2 M4 29.63 dBV/m	Grid 3 M4 29.44 dBV/m
Grid 4 M4 23.53 dBV/m	Grid 5 M4 27.71 dBV/m	Grid 6 M4 27.57 dBV/m
Grid 7 M4 23.53 dBV/m	Grid 8 M4 27.89 dBV/m	Grid 9 M4 27.67 dBV/m



0 dB = 30.31 V/m = 29.63 dBV/m

HAC-RF Emission ANT 6

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 - SN4028; ConvF(1, 1, 1); Calibrated: 7/24/2017;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1472; Calibrated: 3/8/2018
- 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 = 28.33 V/m; Power Drift = 0.01 dB

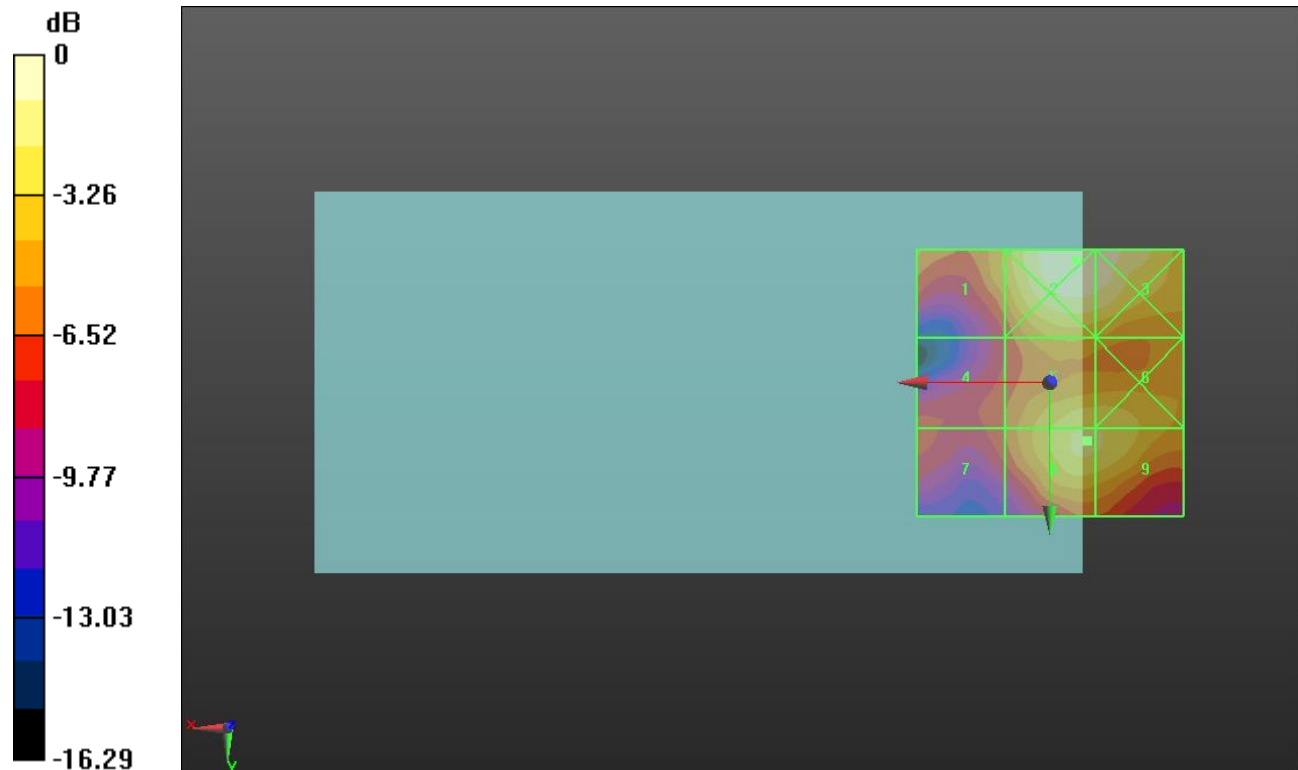
Applied MIF = -3.15 dB

RF audio interference level = 26.82 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 24.69 dBV/m	Grid 2 M4 28.73 dBV/m	Grid 3 M4 28.47 dBV/m
Grid 4 M4 22.27 dBV/m	Grid 5 M4 26.59 dBV/m	Grid 6 M4 26.56 dBV/m
Grid 7 M4 22.26 dBV/m	Grid 8 M4 26.82 dBV/m	Grid 9 M4 26.71 dBV/m



0 dB = 27.32 V/m = 28.73 dBV/m