

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 = 27.73 V/m; Power Drift = -0.04 dB

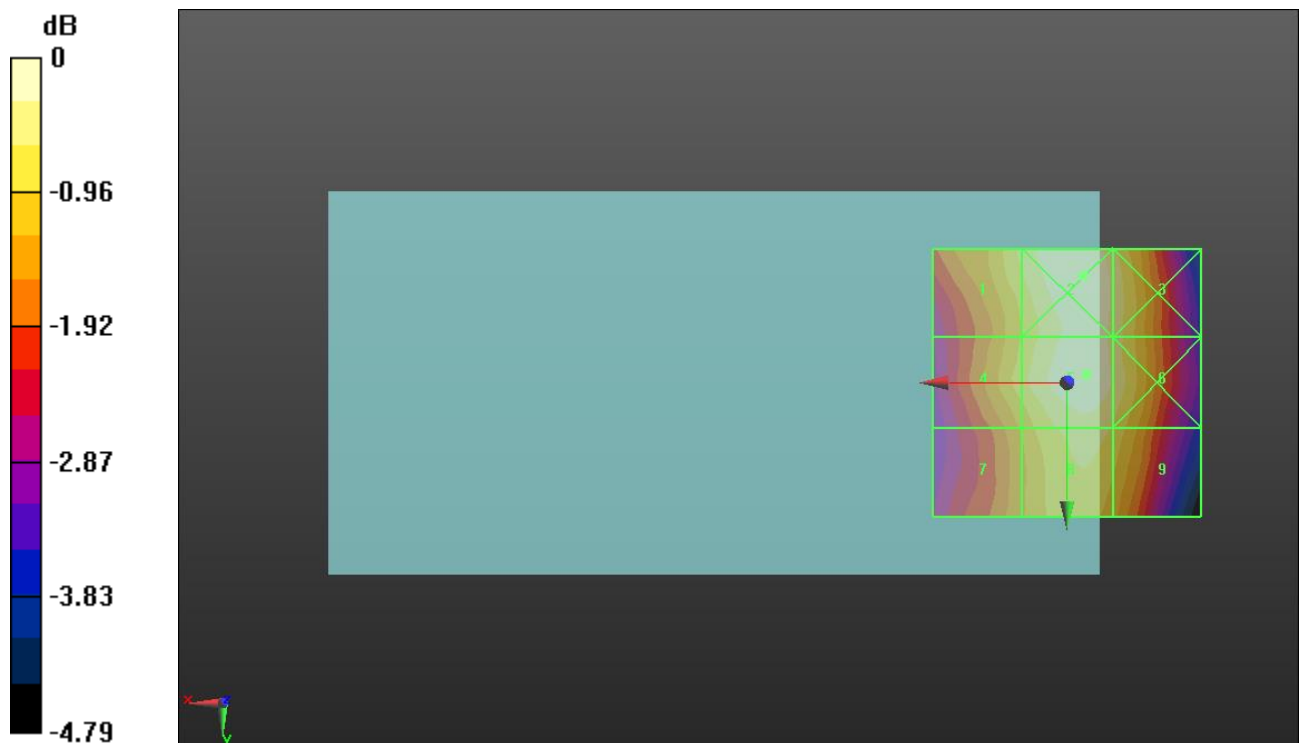
Applied MIF = 3.63 dB

RF audio interference level = 29.79 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 29.28 dBV/m	Grid 2 M4 29.83 dBV/m	Grid 3 M4 29.46 dBV/m
Grid 4 M4 29.06 dBV/m	Grid 5 M4 29.79 dBV/m	Grid 6 M4 29.49 dBV/m
Grid 7 M4 28.61 dBV/m	Grid 8 M4 29.39 dBV/m	Grid 9 M4 29.15 dBV/m



0 dB = 31.01 V/m = 29.83 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 = 29.44 V/m; Power Drift = -0.03 dB

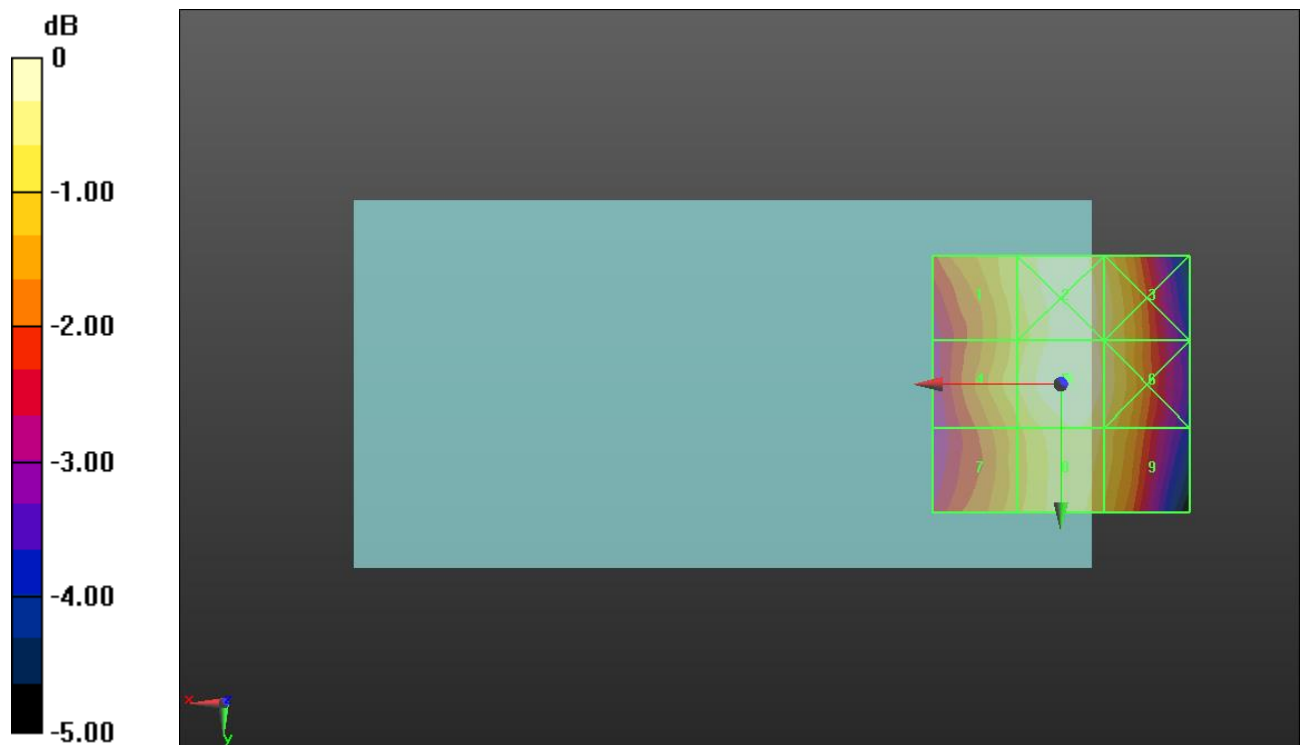
Applied MIF = 3.63 dB

RF audio interference level = 30.21 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 29.56 dBV/m	Grid 2 M4 30.12 dBV/m	Grid 3 M4 29.75 dBV/m
Grid 4 M4 29.53 dBV/m	Grid 5 M4 30.21 dBV/m	Grid 6 M4 29.81 dBV/m
Grid 7 M4 29.14 dBV/m	Grid 8 M4 29.88 dBV/m	Grid 9 M4 29.51 dBV/m



0 dB = 32.40 V/m = 30.21 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 = 31.70 V/m; Power Drift = -0.06 dB

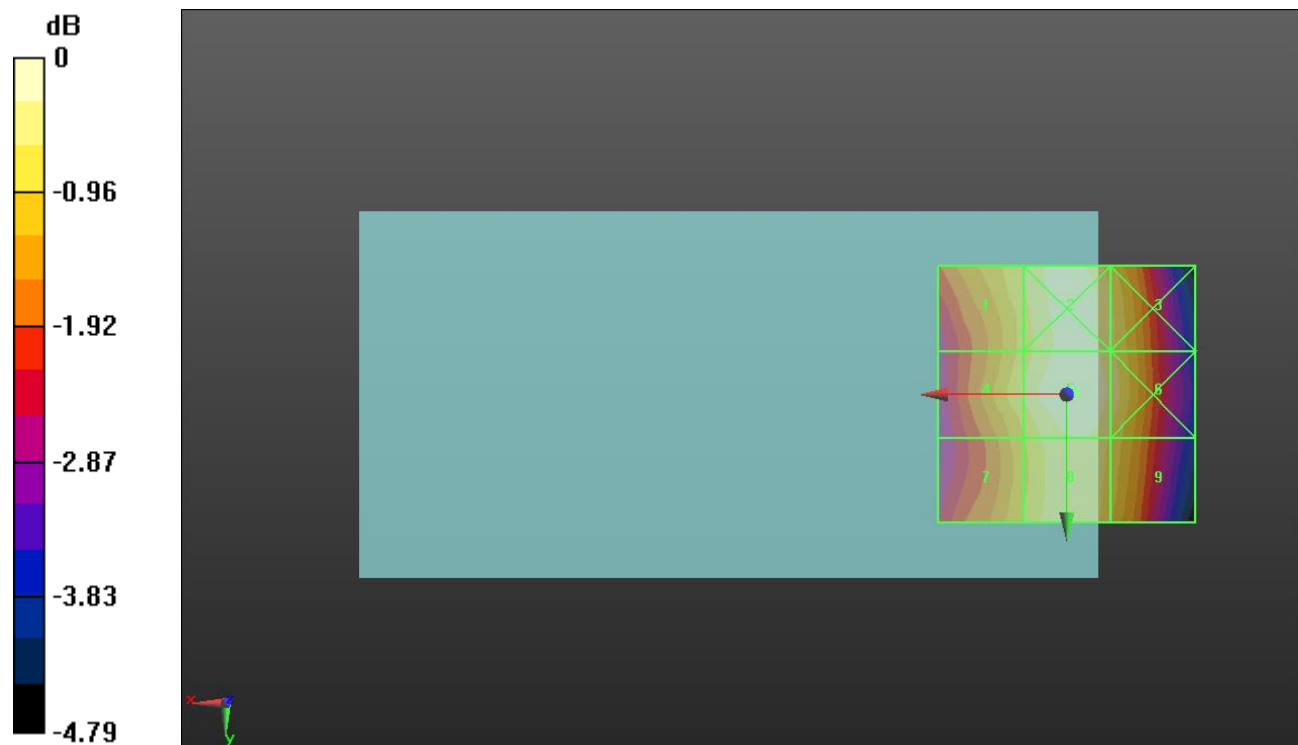
Applied MIF = 3.63 dB

RF audio interference level = 30.88 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 30.24 dBV/m	Grid 2 M4 30.76 dBV/m	Grid 3 M4 30.38 dBV/m
Grid 4 M4 30.28 dBV/m	Grid 5 M4 30.88 dBV/m	Grid 6 M4 30.48 dBV/m
Grid 7 M4 29.95 dBV/m	Grid 8 M4 30.55 dBV/m	Grid 9 M4 30.22 dBV/m



0 dB = 34.98 V/m = 30.88 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 = 4.154 V/m; Power Drift = 0.06 dB

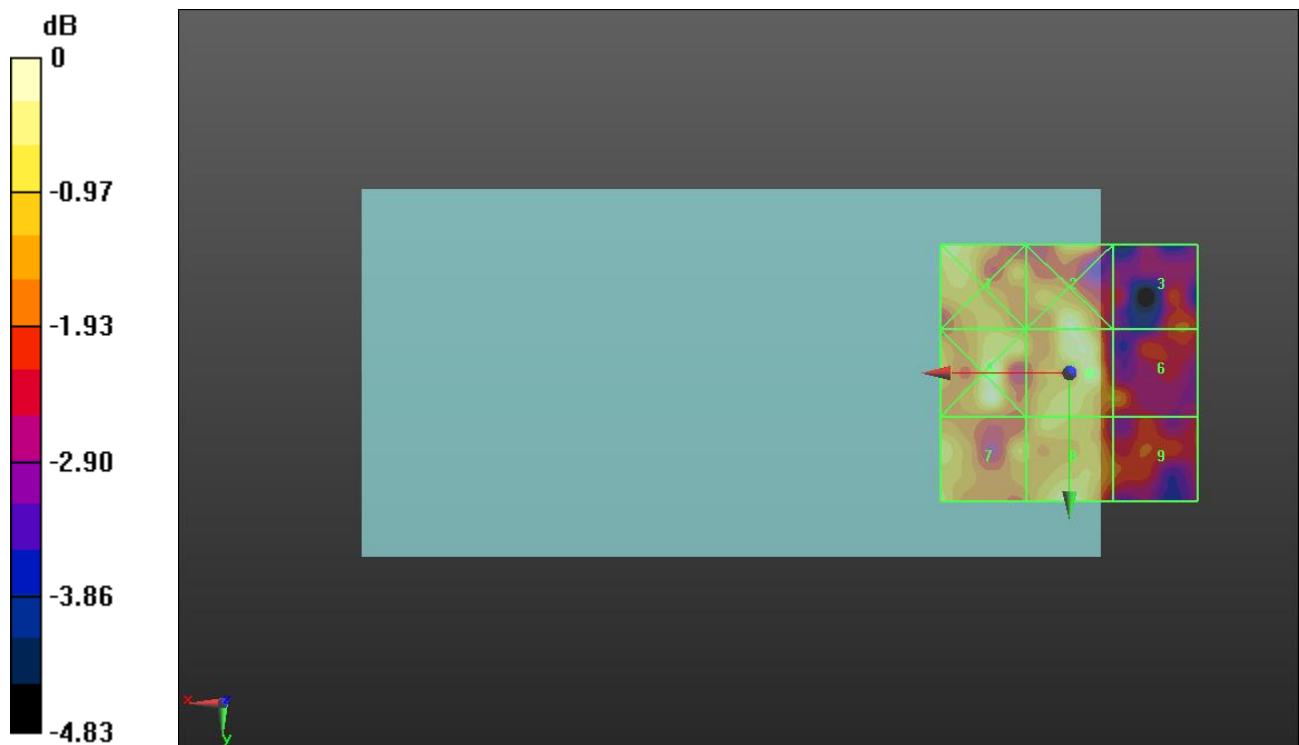
Applied MIF = 3.63 dB

RF audio interference level = 15.32 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 15.09 dBV/m	Grid 2 M4 15.25 dBV/m	Grid 3 M4 13.62 dBV/m
Grid 4 M4 15.5 dBV/m	Grid 5 M4 15.32 dBV/m	Grid 6 M4 13.96 dBV/m
Grid 7 M4 14.96 dBV/m	Grid 8 M4 15.3 dBV/m	Grid 9 M4 13.75 dBV/m



0 dB = 5.956 V/m = 15.50 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 = 13.13 V/m; Power Drift = 0.02 dB

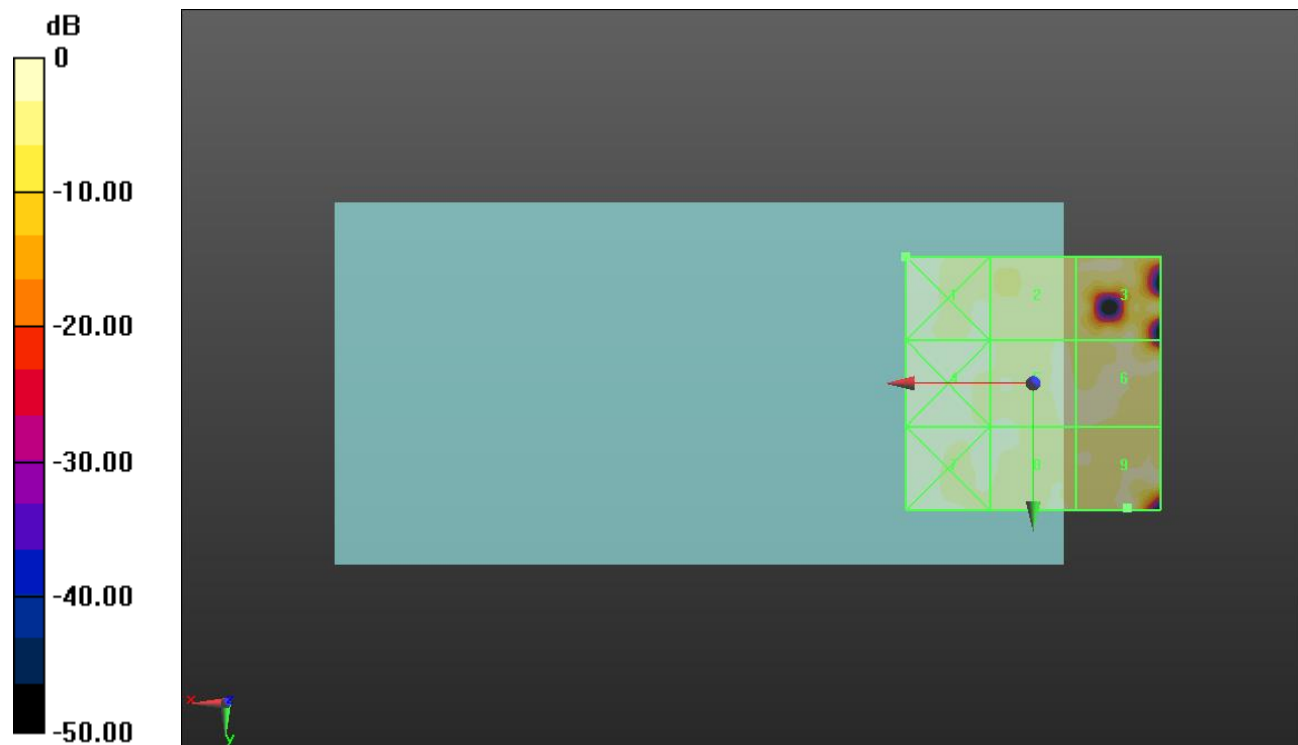
Applied MIF = 3.63 dB

RF audio interference level = 15.96 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 15.99 dBV/m	Grid 2 M4 12.98 dBV/m	Grid 3 M4 14.19 dBV/m
Grid 4 M4 15.18 dBV/m	Grid 5 M4 13.68 dBV/m	Grid 6 M4 14.28 dBV/m
Grid 7 M4 15.55 dBV/m	Grid 8 M4 13.66 dBV/m	Grid 9 M4 15.96 dBV/m



0 dB = 6.299 V/m = 15.99 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 = 12.85 V/m; Power Drift = -0.09 dB

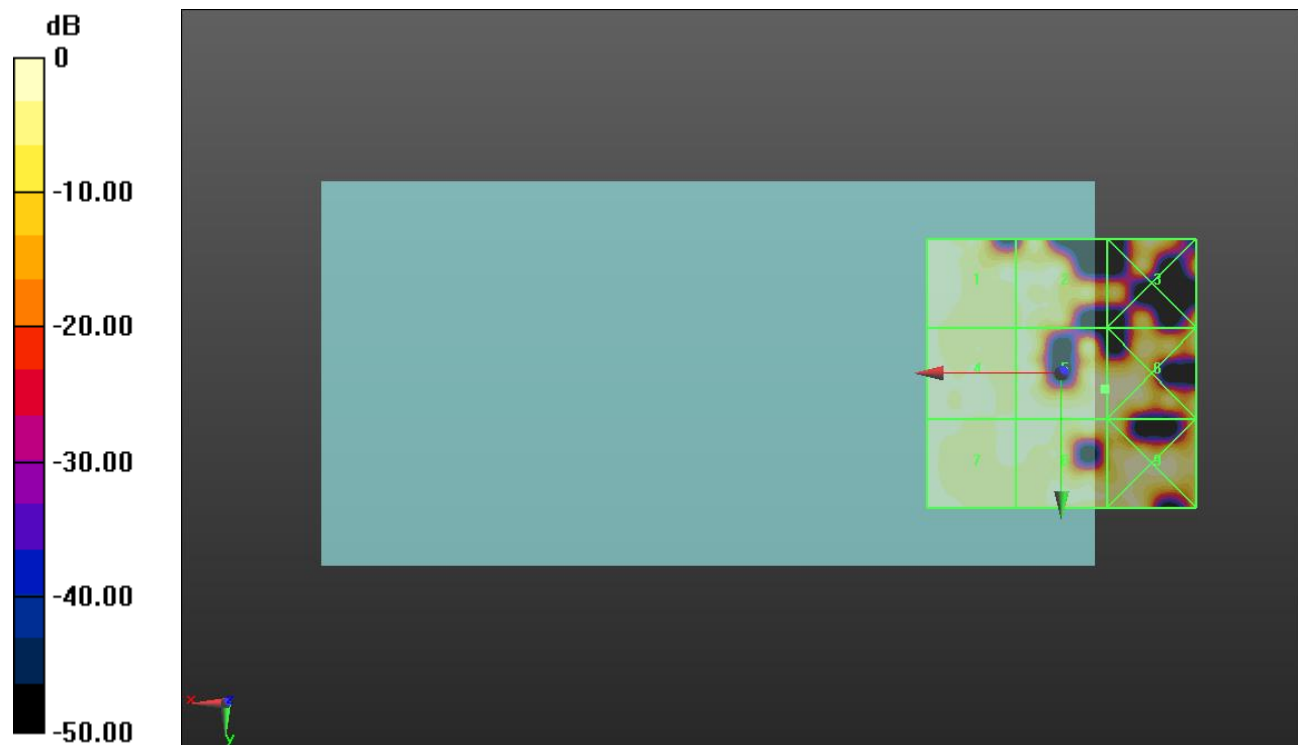
Applied MIF = 3.63 dB

RF audio interference level = 16.18 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 14.71 dBV/m	Grid 2 M4 14.51 dBV/m	Grid 3 M4 15.93 dBV/m
Grid 4 M4 14.85 dBV/m	Grid 5 M4 16.18 dBV/m	Grid 6 M4 16.05 dBV/m
Grid 7 M4 14.82 dBV/m	Grid 8 M4 14.67 dBV/m	Grid 9 M4 15.67 dBV/m



0 dB = 6.443 V/m = 16.18 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 = 56.61 V/m; Power Drift = -0.06 dB

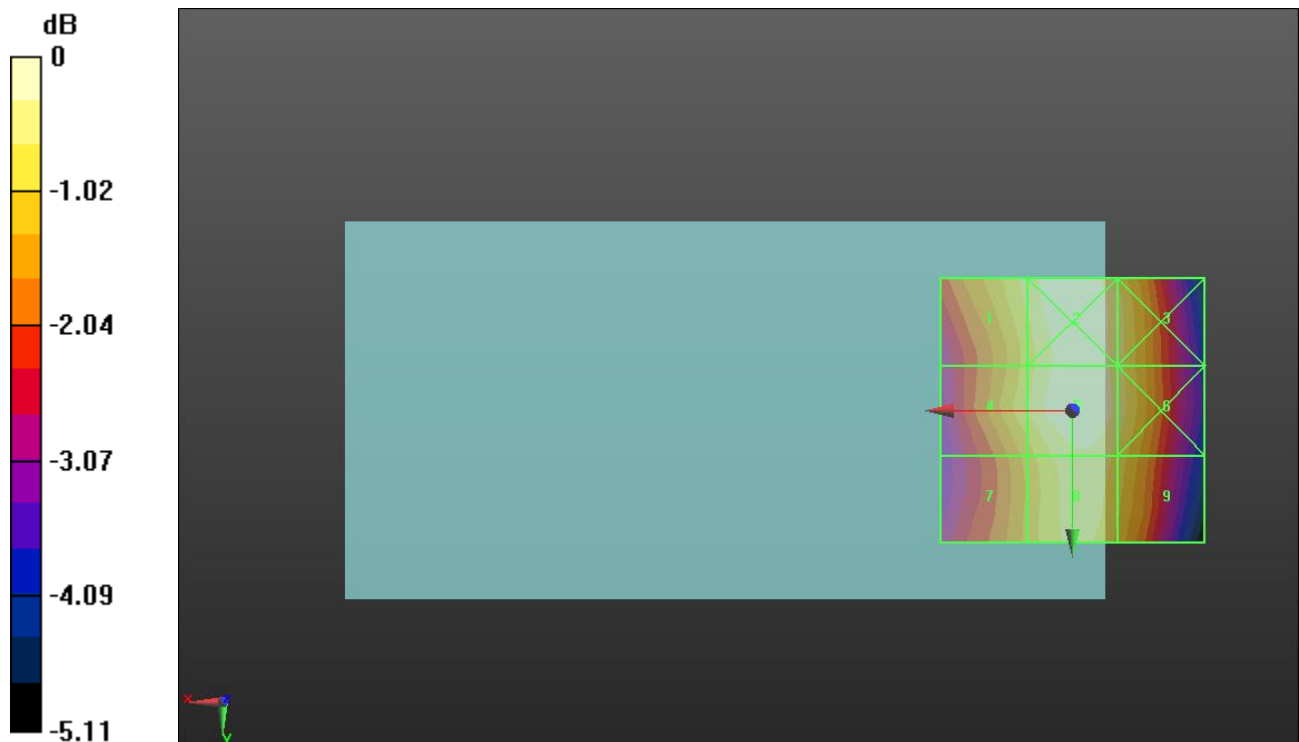
Applied MIF = 3.26 dB

RF audio interference level = 35.11 dBV/m

Emission category: **M4**

MIF scaled E-field

Grid 1 M4 34.58 dBV/m	Grid 2 M4 35.1 dBV/m	Grid 3 M4 34.62 dBV/m
Grid 4 M4 34.44 dBV/m	Grid 5 M4 35.11 dBV/m	Grid 6 M4 34.66 dBV/m
Grid 7 M4 33.93 dBV/m	Grid 8 M4 34.72 dBV/m	Grid 9 M4 34.35 dBV/m



0 dB = 56.98 V/m = 35.11 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 = 60.69 V/m; Power Drift = -0.14 dB

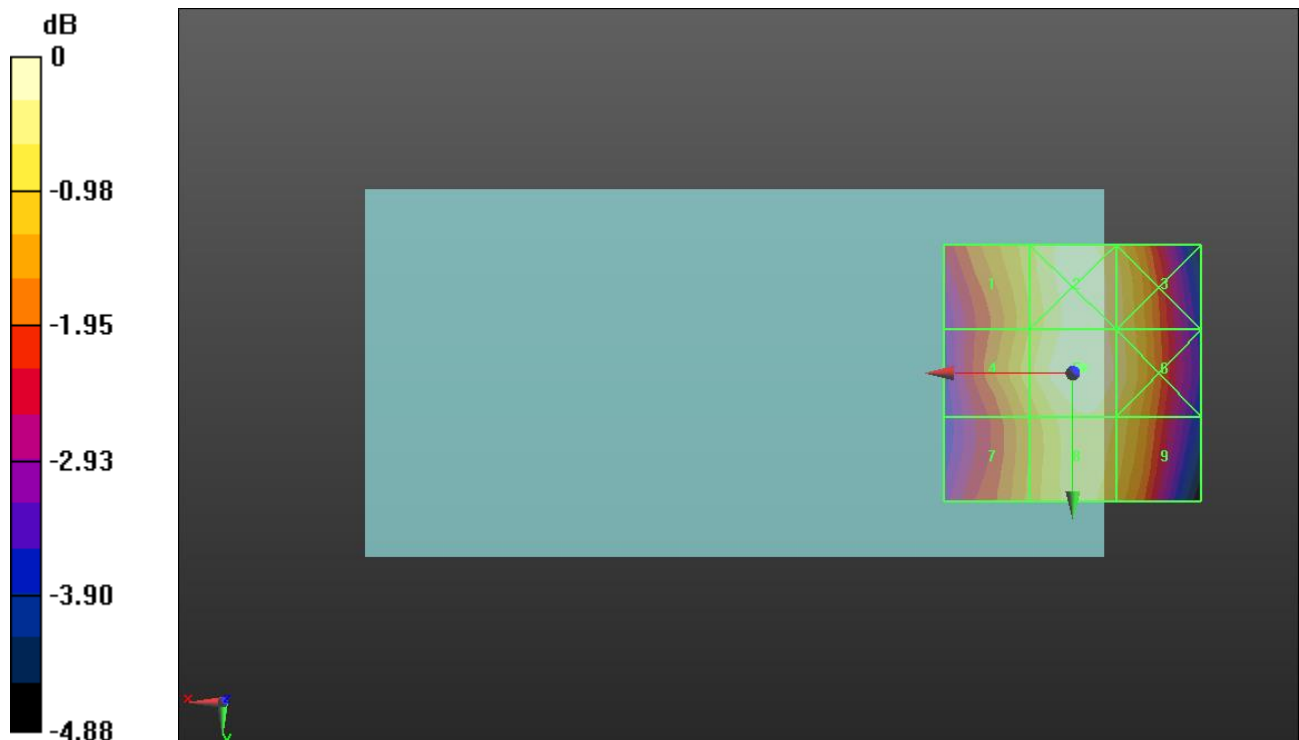
Applied MIF = 3.26 dB

RF audio interference level = 35.61 dBV/m

Emission category: **M4**

MIF scaled E-field

Grid 1 M4 34.83 dBV/m	Grid 2 M4 35.5 dBV/m	Grid 3 M4 35.14 dBV/m
Grid 4 M4 34.84 dBV/m	Grid 5 M4 35.61 dBV/m	Grid 6 M4 35.23 dBV/m
Grid 7 M4 34.4 dBV/m	Grid 8 M4 35.27 dBV/m	Grid 9 M4 34.94 dBV/m



0 dB = 60.34 V/m = 35.61 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 = 60.28 V/m; Power Drift = -0.07 dB

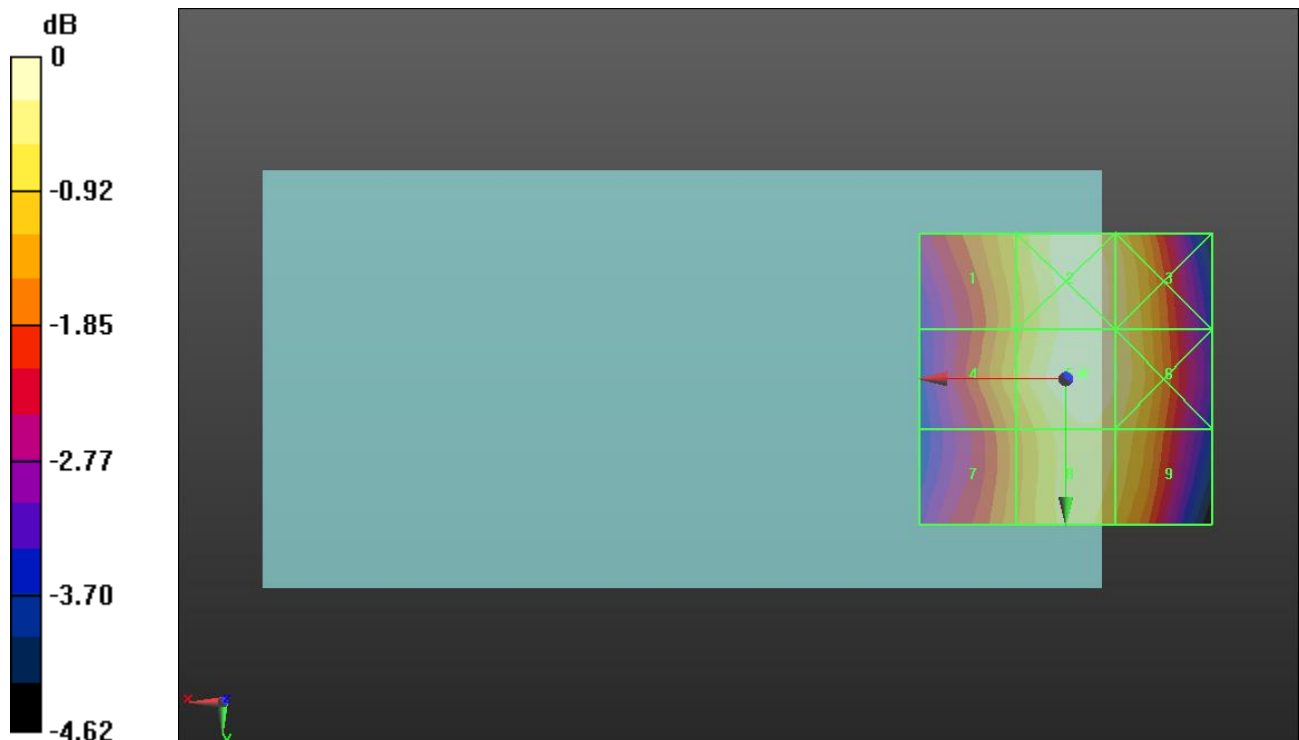
Applied MIF = 3.26 dB

RF audio interference level = 35.72 dBV/m

Emission category: **M4**

MIF scaled E-field

Grid 1 M4 34.86 dBV/m	Grid 2 M4 35.61 dBV/m	Grid 3 M4 35.36 dBV/m
Grid 4 M4 34.85 dBV/m	Grid 5 M4 35.72 dBV/m	Grid 6 M4 35.45 dBV/m
Grid 7 M4 34.45 dBV/m	Grid 8 M4 35.39 dBV/m	Grid 9 M4 35.18 dBV/m



0 dB = 61.11 V/m = 35.72 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 = 27.10 V/m; Power Drift = 0.01 dB

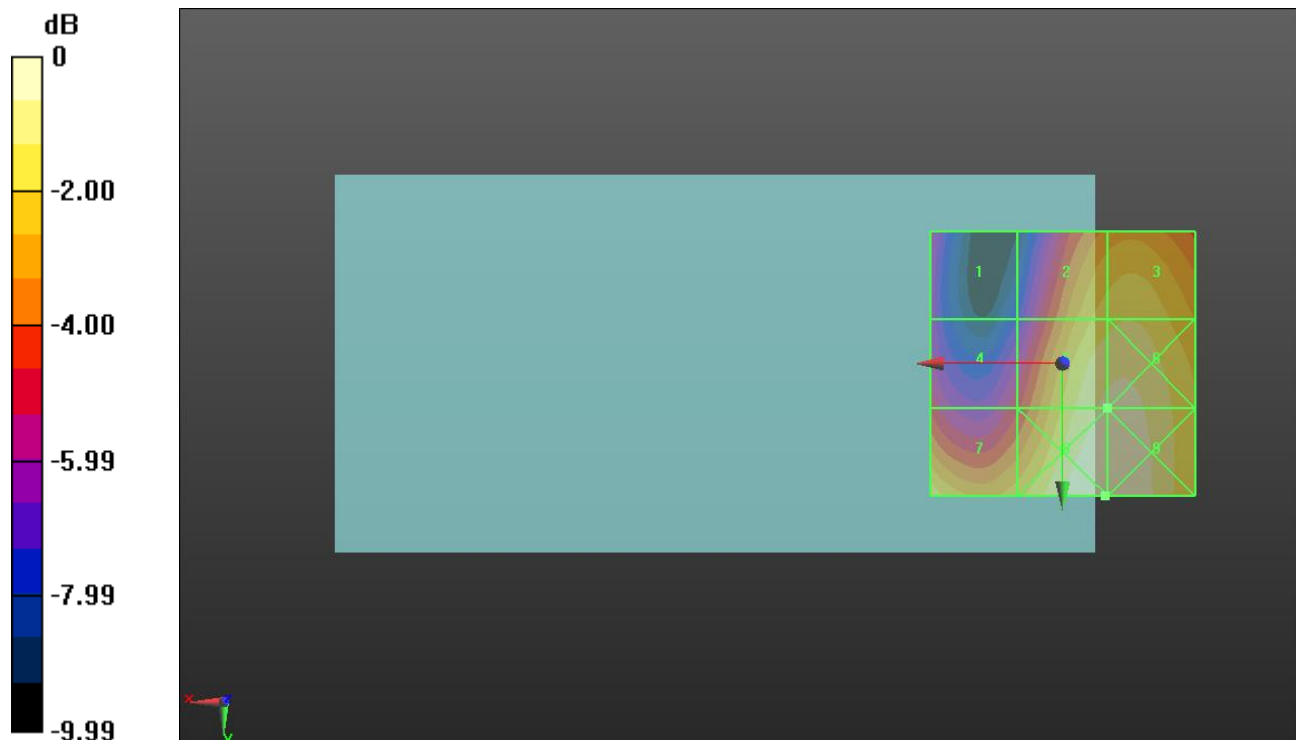
Applied MIF = 3.26 dB

RF audio interference level = 31.75 dBV/m

Emission category: **M3**

MIF scaled E-field

Grid 1 M4 26.62 dBV/m	Grid 2 M3 30.71 dBV/m	Grid 3 M3 30.93 dBV/m
Grid 4 M4 27.62 dBV/m	Grid 5 M3 31.75 dBV/m	Grid 6 M3 31.82 dBV/m
Grid 7 M3 30.88 dBV/m	Grid 8 M3 32.28 dBV/m	Grid 9 M3 32.27 dBV/m



0 dB = 41.09 V/m = 32.27 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 = 26.87 V/m; Power Drift = -0.07 dB

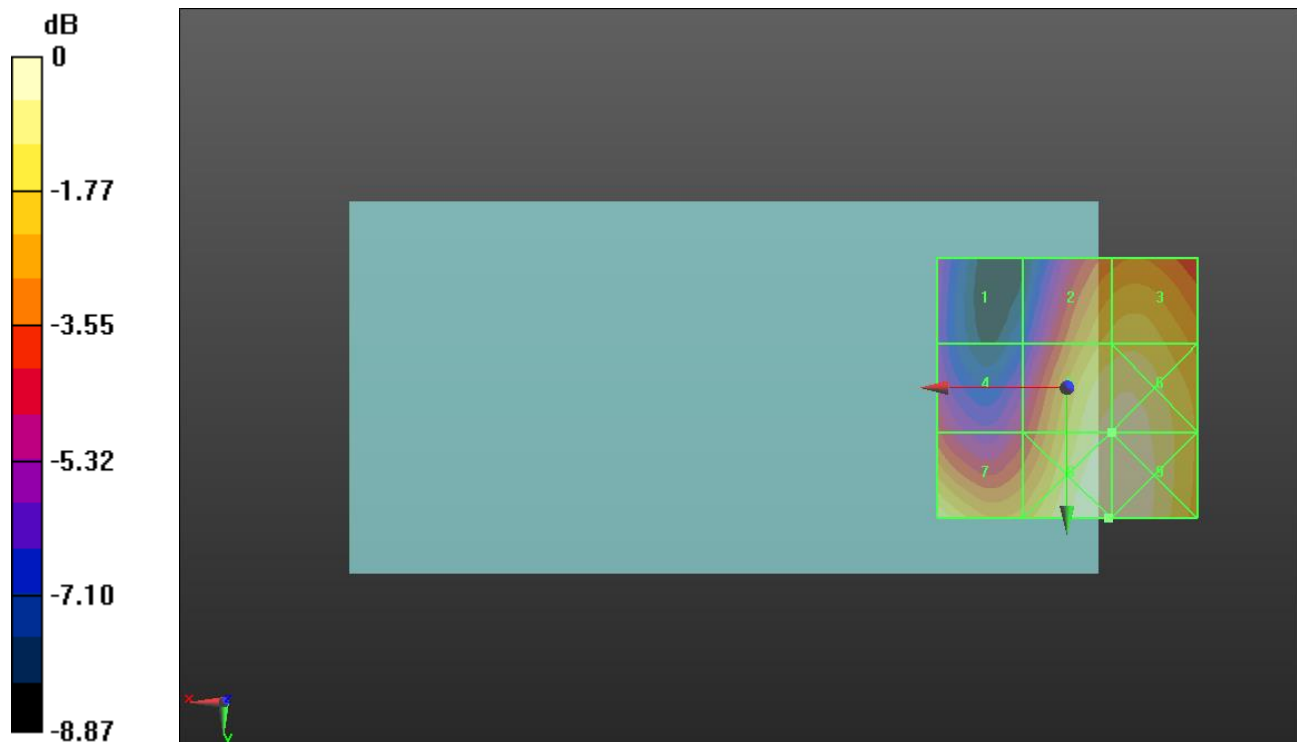
Applied MIF = 3.26 dB

RF audio interference level = 31.63 dBV/m

Emission category: **M3**

MIF scaled E-field

Grid 1 M4 26.78 dBV/m	Grid 2 M3 30.52 dBV/m	Grid 3 M3 30.72 dBV/m
Grid 4 M4 28.15 dBV/m	Grid 5 M3 31.63 dBV/m	Grid 6 M3 31.7 dBV/m
Grid 7 M3 31.46 dBV/m	Grid 8 M3 32.01 dBV/m	Grid 9 M3 32.01 dBV/m



0 dB = 39.87 V/m = 32.01 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 = 25.74 V/m; Power Drift = -0.02 dB

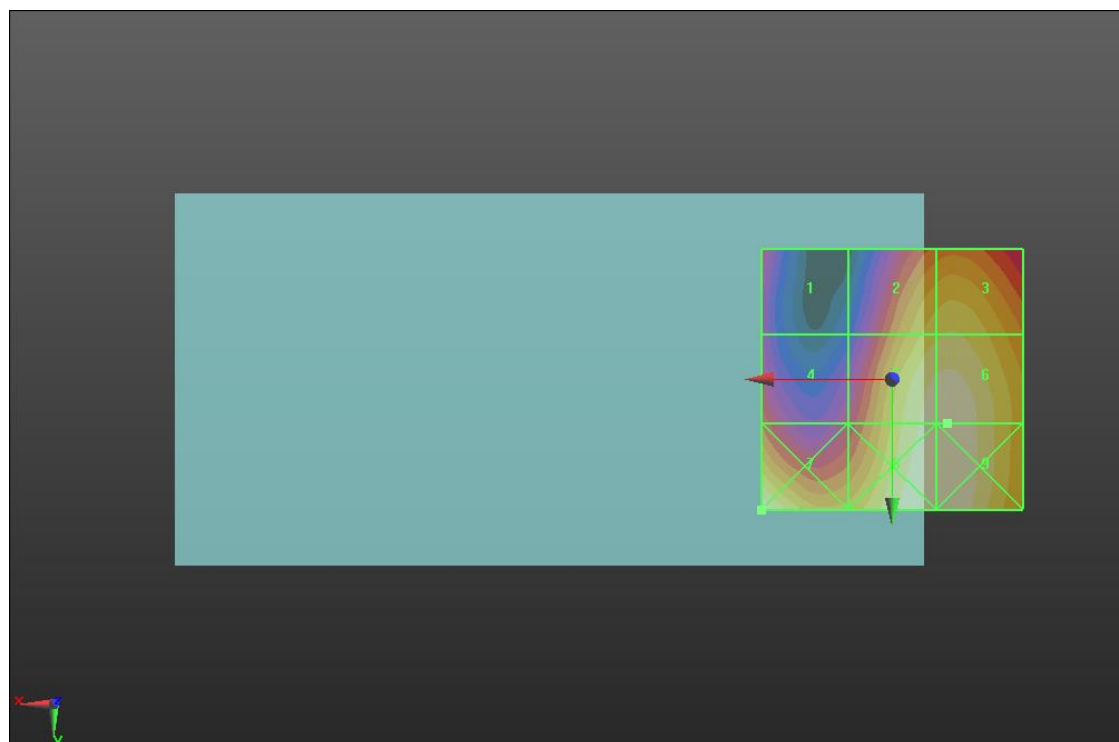
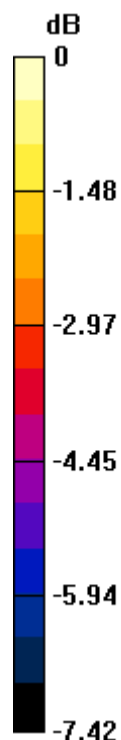
Applied MIF = 3.26 dB

RF audio interference level = 30.87 dBV/m

Emission category: **M3**

MIF scaled E-field

Grid 1 M4 27.17 dBV/m	Grid 2 M4 29.96 dBV/m	Grid 3 M3 30.1 dBV/m
Grid 4 M4 28.04 dBV/m	Grid 5 M3 30.82 dBV/m	Grid 6 M3 30.87 dBV/m
Grid 7 M3 31.03 dBV/m	Grid 8 M3 30.97 dBV/m	Grid 9 M3 30.97 dBV/m



0 dB = 35.62 V/m = 31.03 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 = 43.88 V/m; Power Drift = -0.02 dB

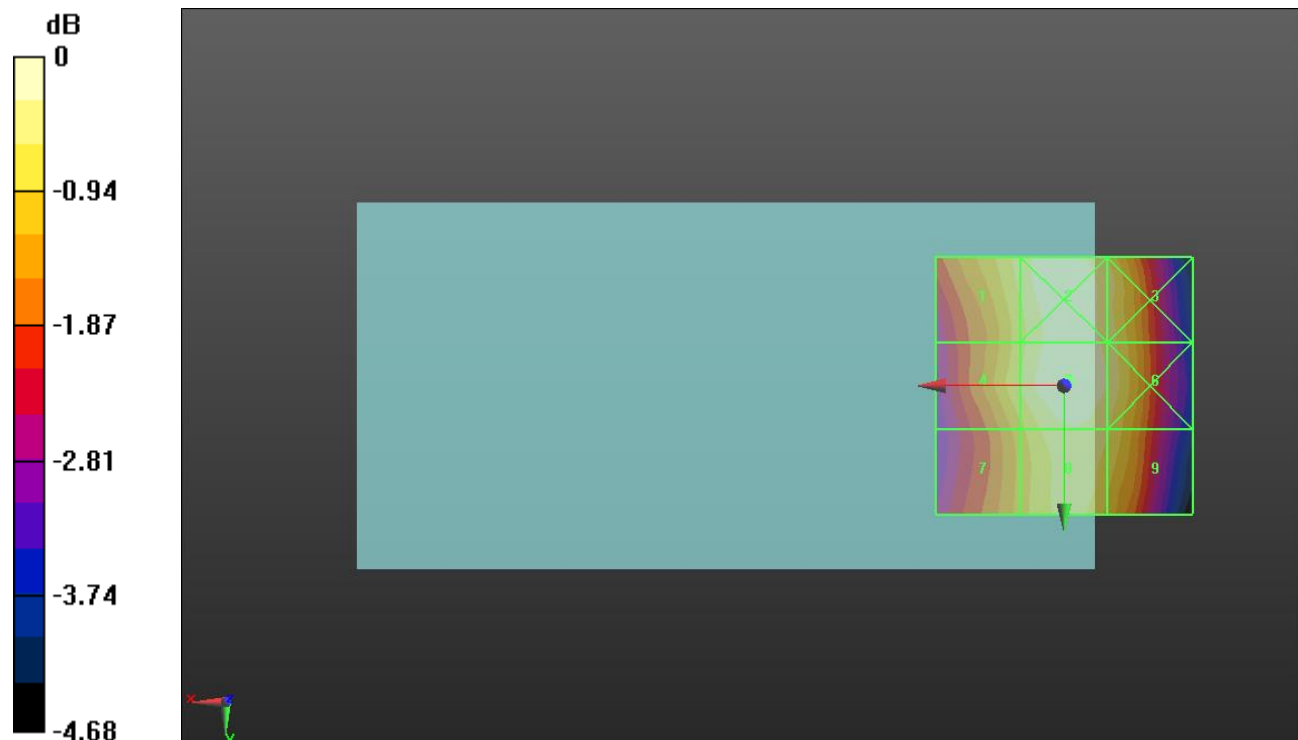
Applied MIF = 3.26 dB

RF audio interference level = 33.33 dBV/m

Emission category: **M4**

MIF scaled E-field

Grid 1 M4 32.84 dBV/m	Grid 2 M4 33.29 dBV/m	Grid 3 M4 32.93 dBV/m
Grid 4 M4 32.74 dBV/m	Grid 5 M4 33.33 dBV/m	Grid 6 M4 33.01 dBV/m
Grid 7 M4 32.31 dBV/m	Grid 8 M4 33 dBV/m	Grid 9 M4 32.76 dBV/m



0 dB = 46.42 V/m = 33.33 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 = 45.91 V/m; Power Drift = -0.01 dB

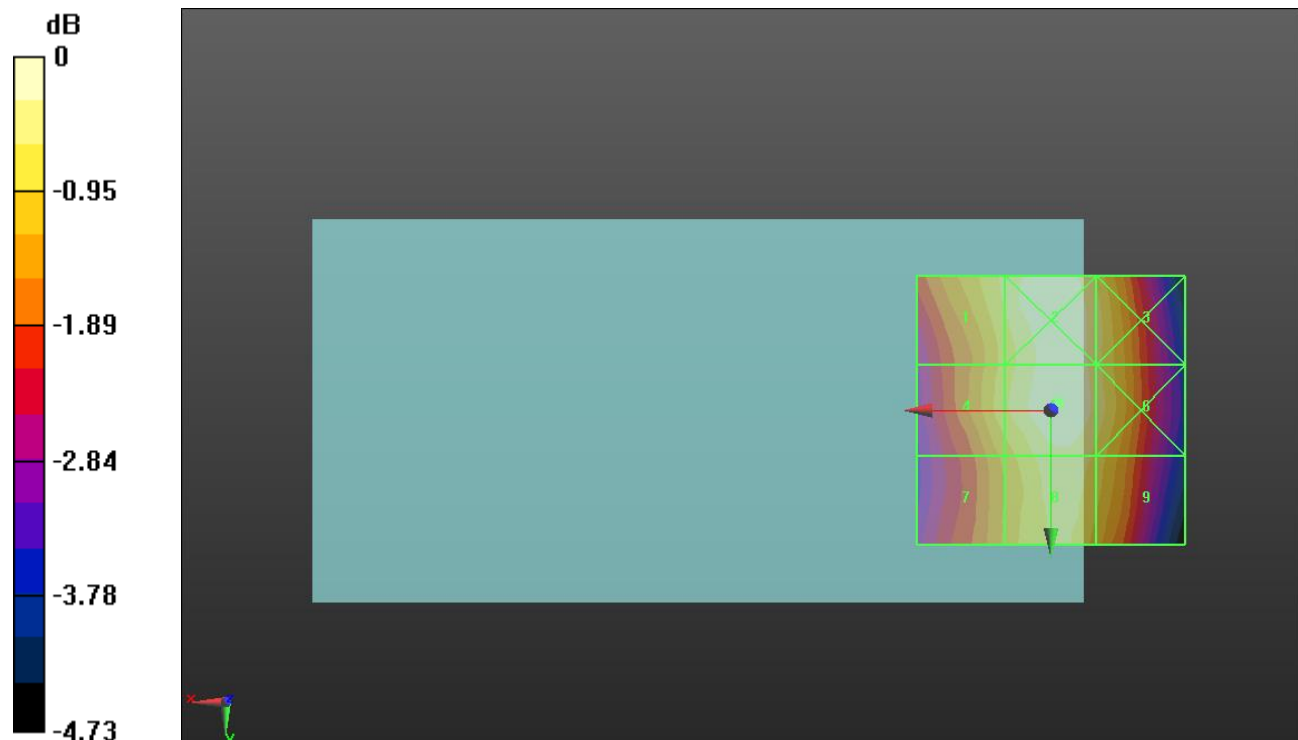
Applied MIF = 3.26 dB

RF audio interference level = 33.82 dBV/m

Emission category: **M4**

MIF scaled E-field

Grid 1 M4 33.28 dBV/m	Grid 2 M4 33.8 dBV/m	Grid 3 M4 33.34 dBV/m
Grid 4 M4 33.14 dBV/m	Grid 5 M4 33.82 dBV/m	Grid 6 M4 33.4 dBV/m
Grid 7 M4 32.7 dBV/m	Grid 8 M4 33.44 dBV/m	Grid 9 M4 33.09 dBV/m



0 dB = 49.10 V/m = 33.82 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 = 48.29 V/m; Power Drift = 0.15 dB

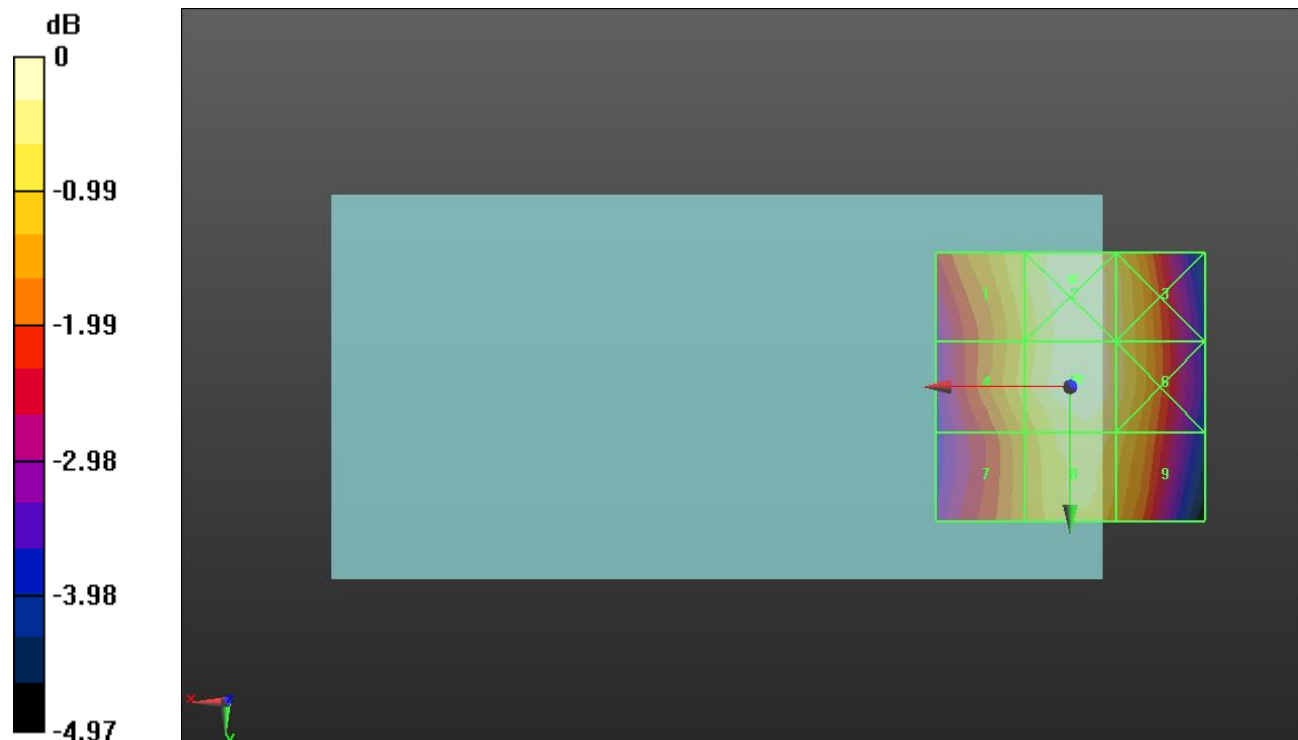
Applied MIF = 3.26 dB

RF audio interference level = 34.39 dBV/m

Emission category: **M4**

MIF scaled E-field

Grid 1 M4 33.77 dBV/m	Grid 2 M4 34.41 dBV/m	Grid 3 M4 33.91 dBV/m
Grid 4 M4 33.61 dBV/m	Grid 5 M4 34.39 dBV/m	Grid 6 M4 33.96 dBV/m
Grid 7 M4 33.14 dBV/m	Grid 8 M4 33.99 dBV/m	Grid 9 M4 33.65 dBV/m



0 dB = 52.53 V/m = 34.41 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 = 13.74 V/m; Power Drift = 0.06 dB

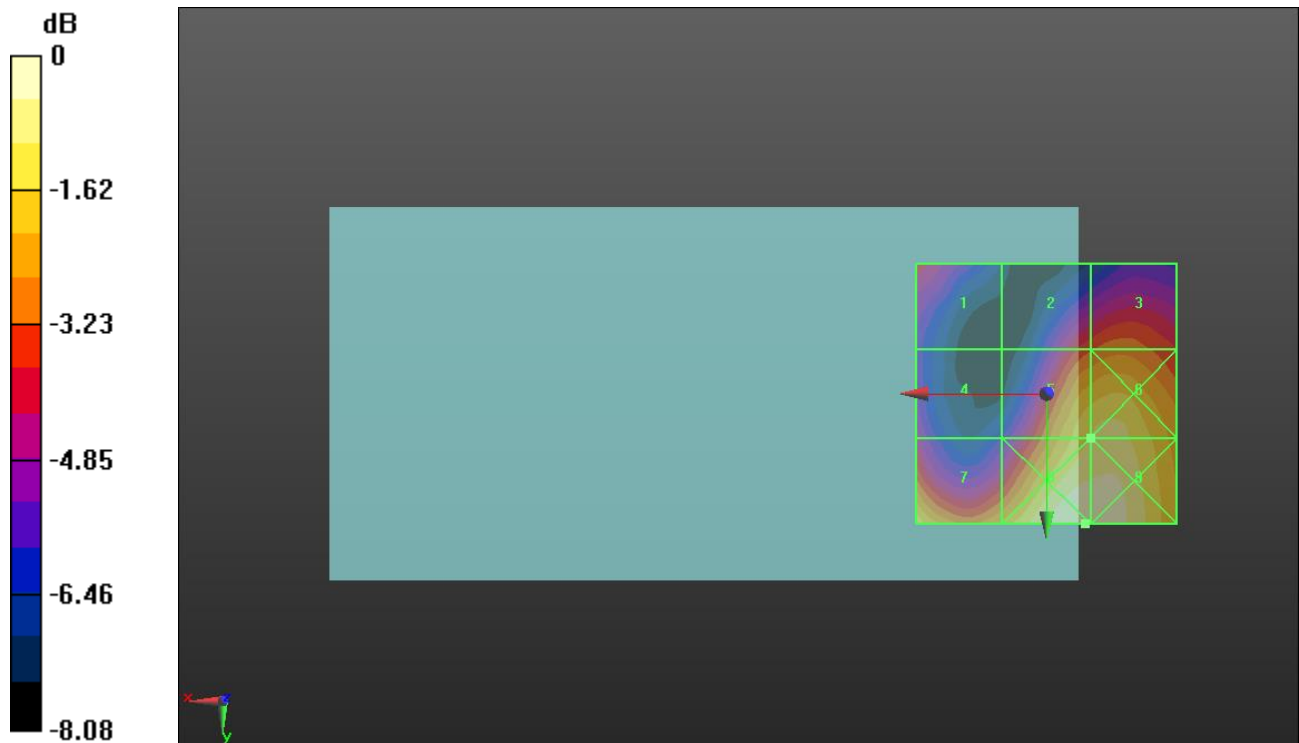
Applied MIF = -1.44 dB

RF audio interference level = 22.24 dBV/m

Emission category: **M4**

MIF scaled E-field

Grid 1 M4 19.4 dBV/m	Grid 2 M4 19.99 dBV/m	Grid 3 M4 20.45 dBV/m
Grid 4 M4 18.77 dBV/m	Grid 5 M4 22.24 dBV/m	Grid 6 M4 22.42 dBV/m
Grid 7 M4 22.2 dBV/m	Grid 8 M4 23.29 dBV/m	Grid 9 M4 23.28 dBV/m



0 dB = 14.60 V/m = 23.29 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 = 13.98 V/m; Power Drift = 0.03 dB

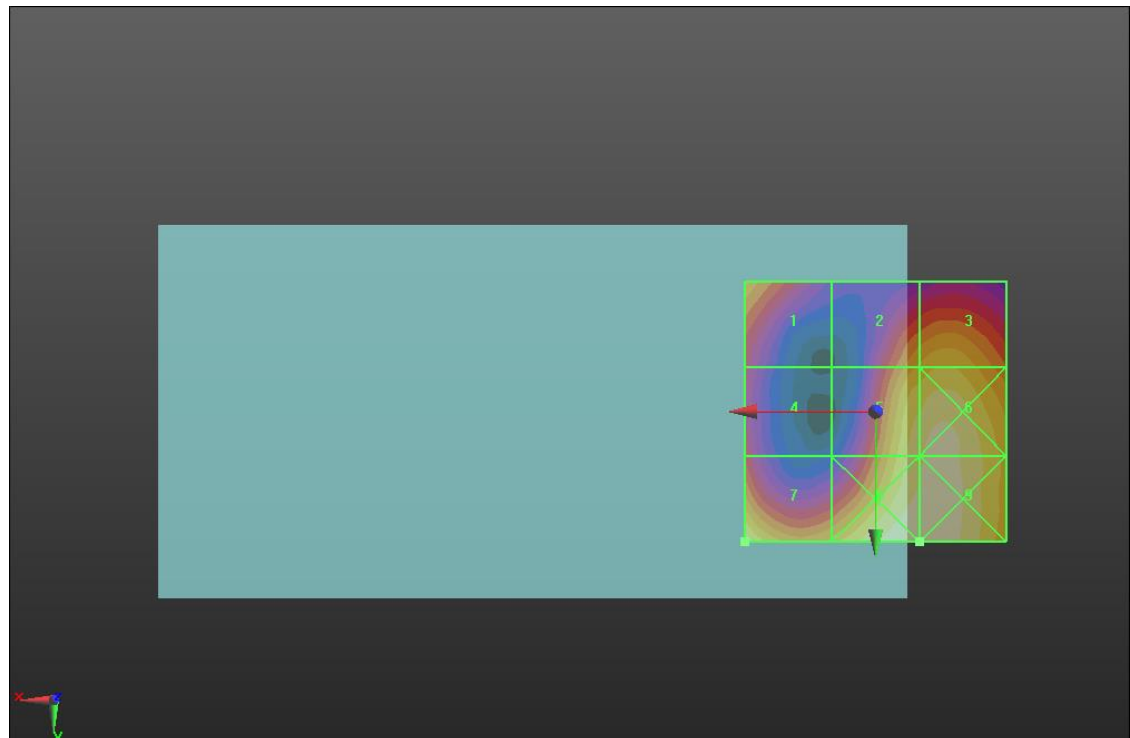
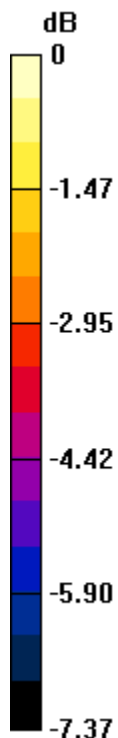
Applied MIF = -1.44 dB

RF audio interference level = 22.25 dBV/m

Emission category: **M4**

MIF scaled E-field

Grid 1 M4 20.8 dBV/m	Grid 2 M4 20.95 dBV/m	Grid 3 M4 21.35 dBV/m
Grid 4 M4 19.32 dBV/m	Grid 5 M4 22.2 dBV/m	Grid 6 M4 22.45 dBV/m
Grid 7 M4 22.25 dBV/m	Grid 8 M4 22.78 dBV/m	Grid 9 M4 22.78 dBV/m



0 dB = 13.77 V/m = 22.78 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 = 12.26 V/m; Power Drift = 0.04 dB

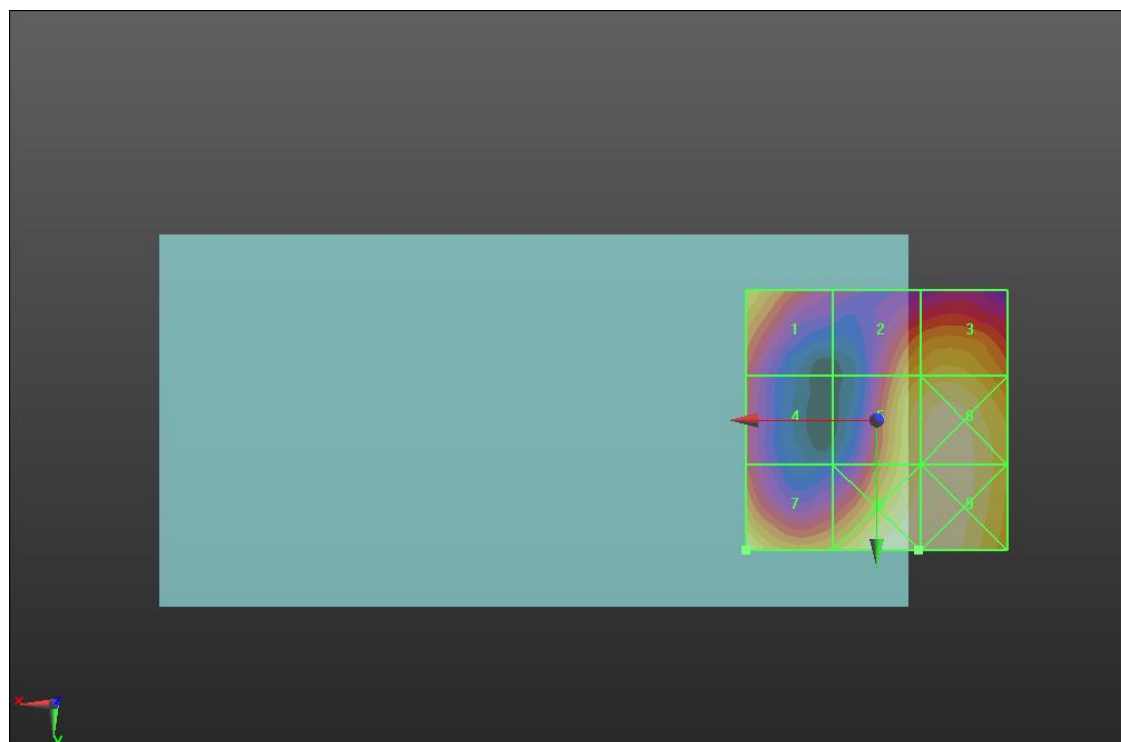
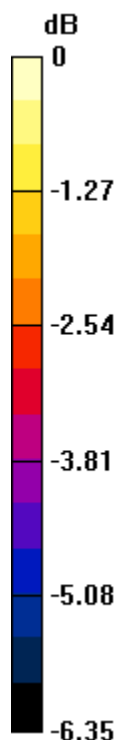
Applied MIF = -1.44 dB

RF audio interference level = 21.46 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 20.63 dBV/m	Grid 2 M4 20.4 dBV/m	Grid 3 M4 20.73 dBV/m
Grid 4 M4 18.84 dBV/m	Grid 5 M4 21.32 dBV/m	Grid 6 M4 21.69 dBV/m
Grid 7 M4 21.46 dBV/m	Grid 8 M4 21.74 dBV/m	Grid 9 M4 21.73 dBV/m



0 dB = 12.21 V/m = 21.73 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 = 11.62 V/m; Power Drift = -0.04 dB

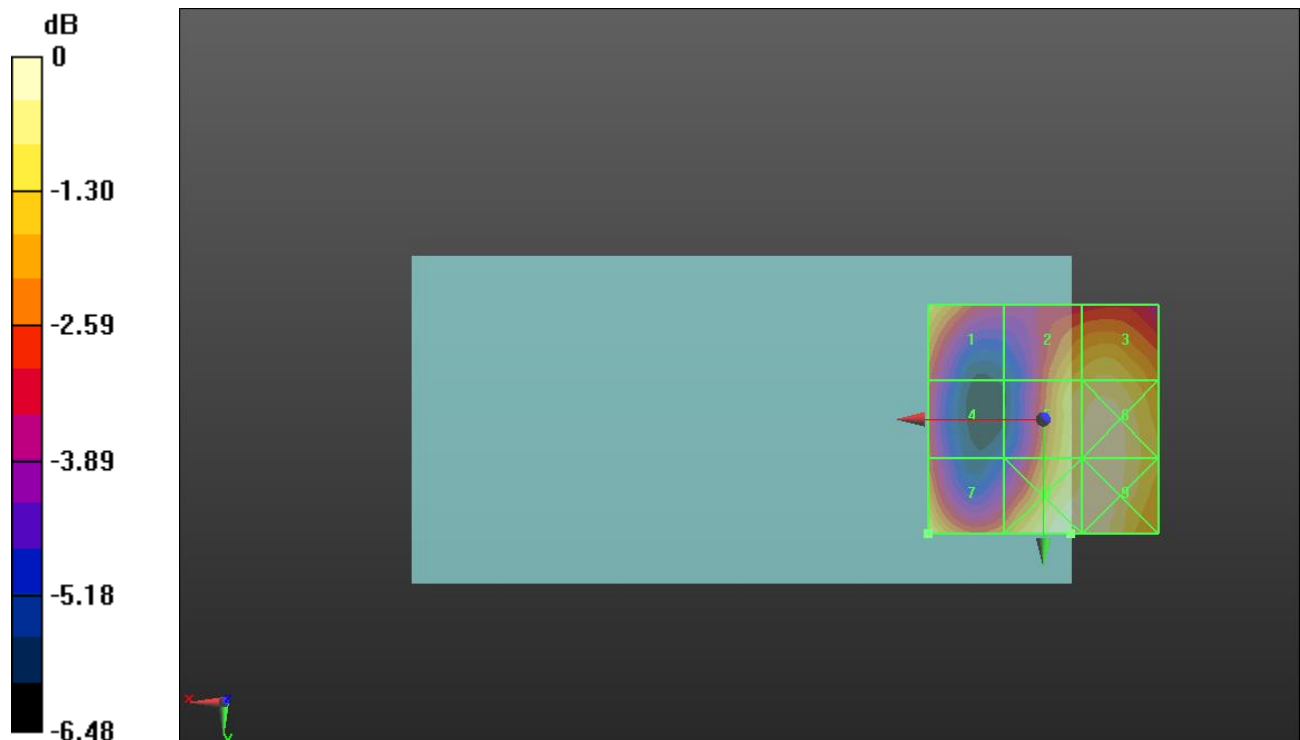
Applied MIF = -1.44 dB

RF audio interference level = 20.70 dBV/m

Emission category: **M4**

MIF scaled E-field

Grid 1 M4 20.11 dBV/m	Grid 2 M4 20.07 dBV/m	Grid 3 M4 20.34 dBV/m
Grid 4 M4 18.42 dBV/m	Grid 5 M4 20.67 dBV/m	Grid 6 M4 21.02 dBV/m
Grid 7 M4 20.7 dBV/m	Grid 8 M4 21.06 dBV/m	Grid 9 M4 21.01 dBV/m



0 dB = 11.30 V/m = 21.06 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 = 11.13 V/m; Power Drift = 0.04 dB

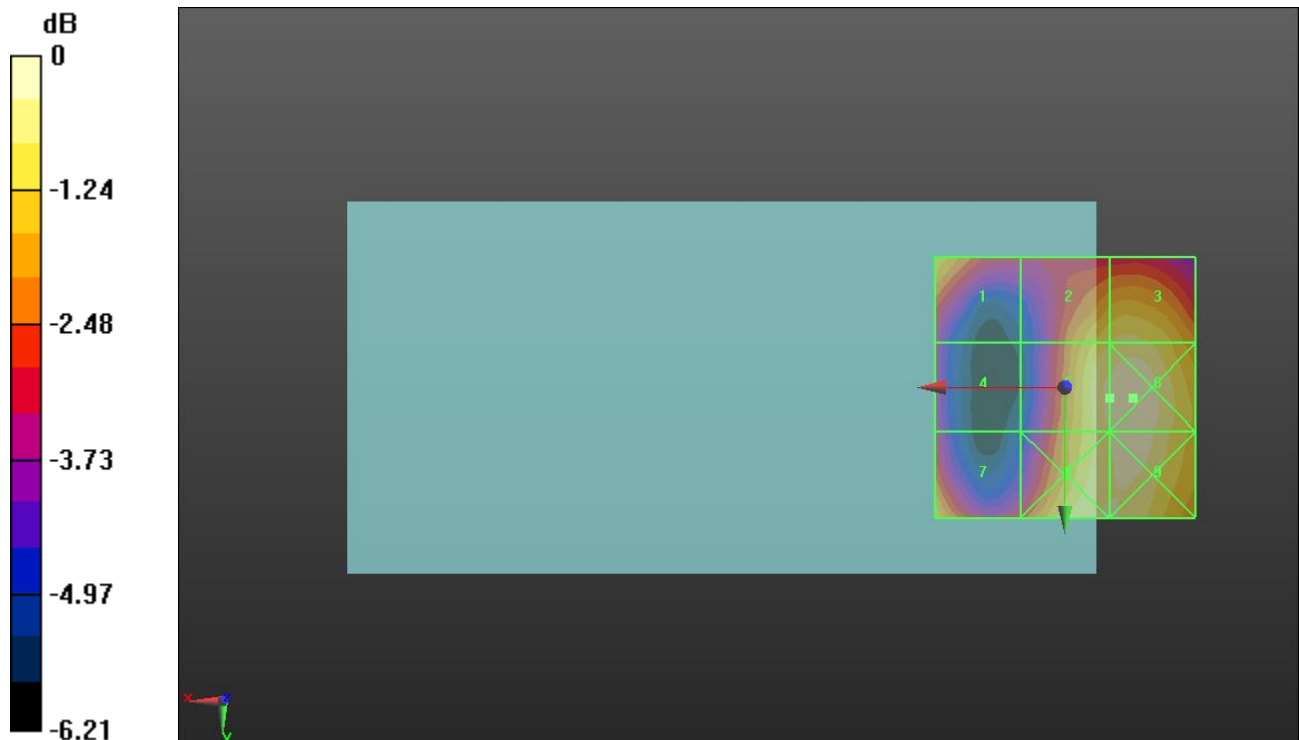
Applied MIF = -1.44 dB

RF audio interference level = 20.55 dBV/m

Emission category: **M4**

MIF scaled E-field

Grid 1 M4 19.58 dBV/m	Grid 2 M4 20 dBV/m	Grid 3 M4 20.18 dBV/m
Grid 4 M4 17.68 dBV/m	Grid 5 M4 20.55 dBV/m	Grid 6 M4 20.82 dBV/m
Grid 7 M4 19.77 dBV/m	Grid 8 M4 20.44 dBV/m	Grid 9 M4 20.68 dBV/m



0 dB = 10.99 V/m = 20.82 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 = 22.12 V/m; Power Drift = -0.17 dB

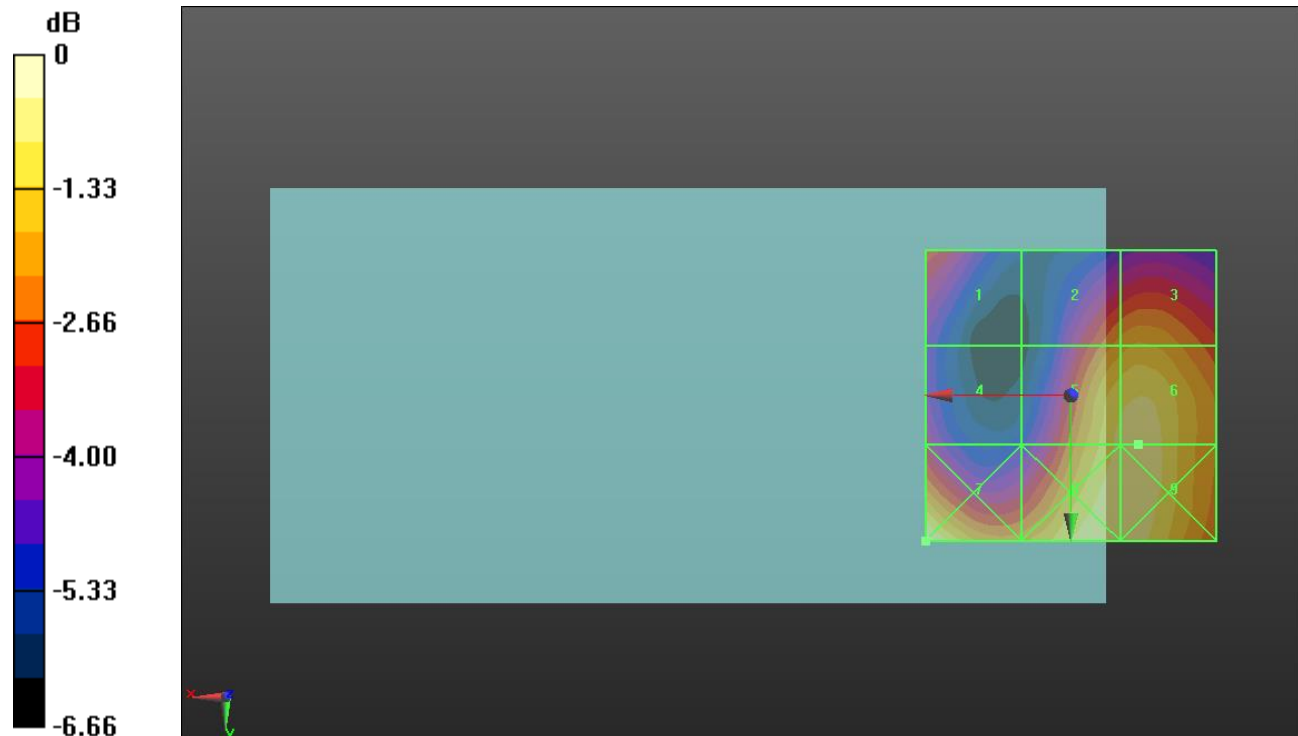
Applied MIF = -1.44 dB

RF audio interference level = 25.83 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 23.69 dBV/m	Grid 2 M4 24.48 dBV/m	Grid 3 M4 24.75 dBV/m
Grid 4 M4 23 dBV/m	Grid 5 M4 25.69 dBV/m	Grid 6 M4 25.83 dBV/m
Grid 7 M4 26.44 dBV/m	Grid 8 M4 25.87 dBV/m	Grid 9 M4 25.87 dBV/m



0 dB = 21.00 V/m = 26.44 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 = 20.23 V/m; Power Drift = -0.17 dB

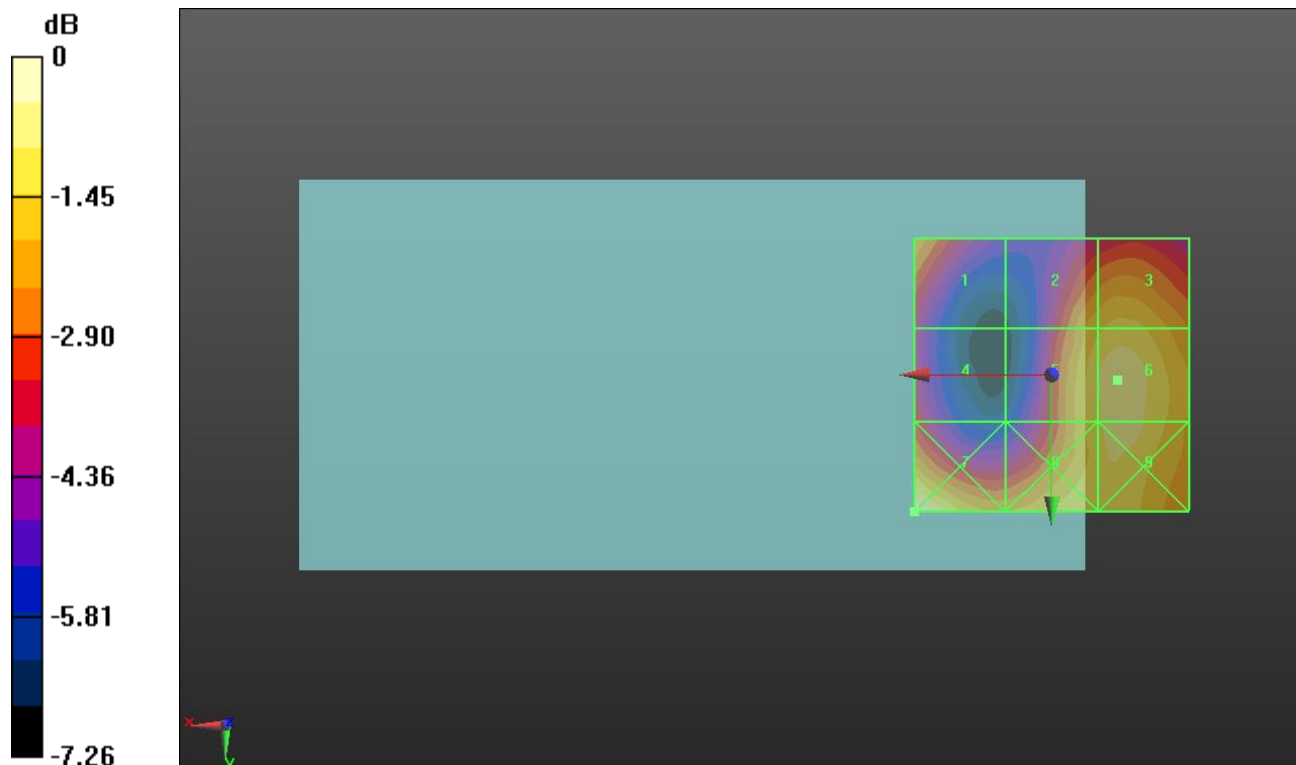
Applied MIF = -1.44 dB

RF audio interference level = 25.27 dBV/m

Emission category: **M4**

MIF scaled E-field

Grid 1 M4 23.98 dBV/m	Grid 2 M4 24.36 dBV/m	Grid 3 M4 24.67 dBV/m
Grid 4 M4 22.57 dBV/m	Grid 5 M4 24.95 dBV/m	Grid 6 M4 25.27 dBV/m
Grid 7 M4 25.91 dBV/m	Grid 8 M4 24.87 dBV/m	Grid 9 M4 25.16 dBV/m



0 dB = 19.76 V/m = 25.92 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 = 18.06 V/m; Power Drift = -0.08 dB

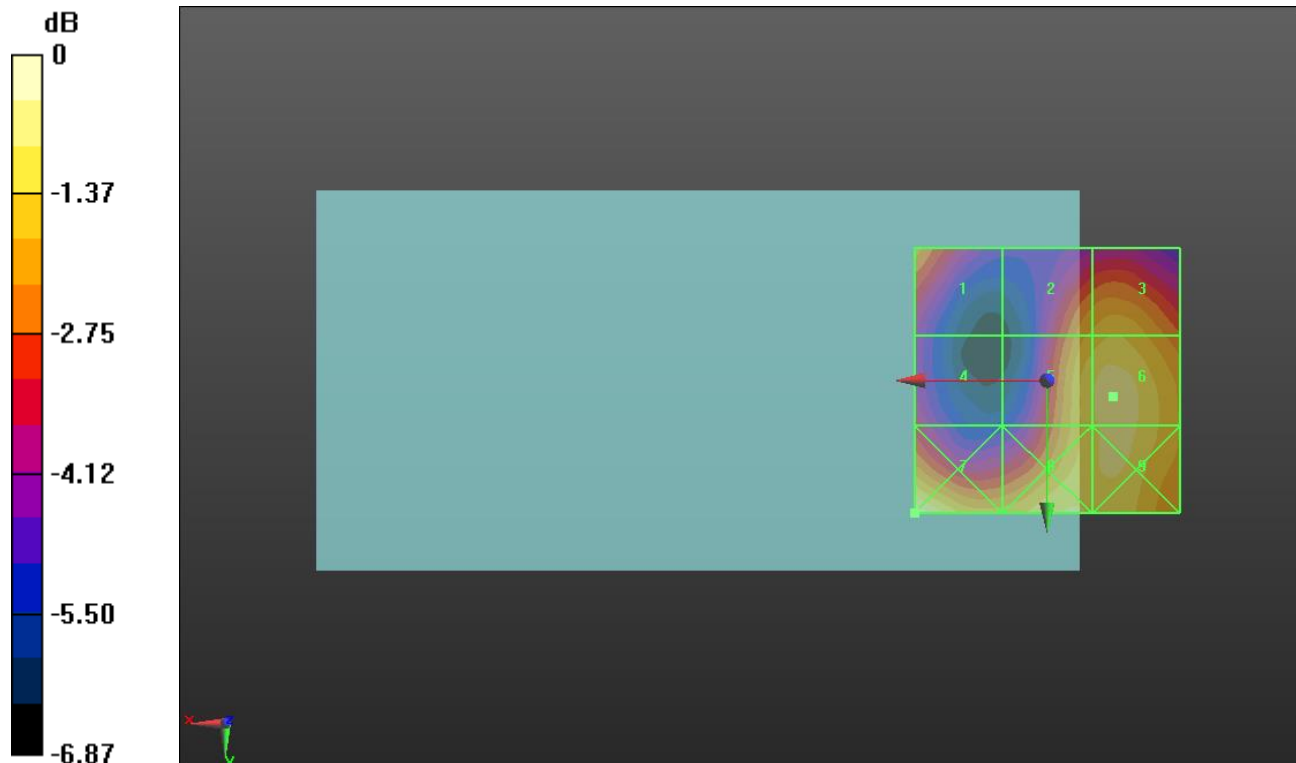
Applied MIF = -1.44 dB

RF audio interference level = 24.36 dBV/m

Emission category: **M4**

MIF scaled E-field

Grid 1 M4 23.05 dBV/m	Grid 2 M4 23.33 dBV/m	Grid 3 M4 23.63 dBV/m
Grid 4 M4 21.61 dBV/m	Grid 5 M4 24.05 dBV/m	Grid 6 M4 24.35 dBV/m
Grid 7 M4 25.01 dBV/m	Grid 8 M4 24.17 dBV/m	Grid 9 M4 24.28 dBV/m



0 dB = 17.80 V/m = 25.01 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 = 16.95 V/m; Power Drift = -0.16 dB

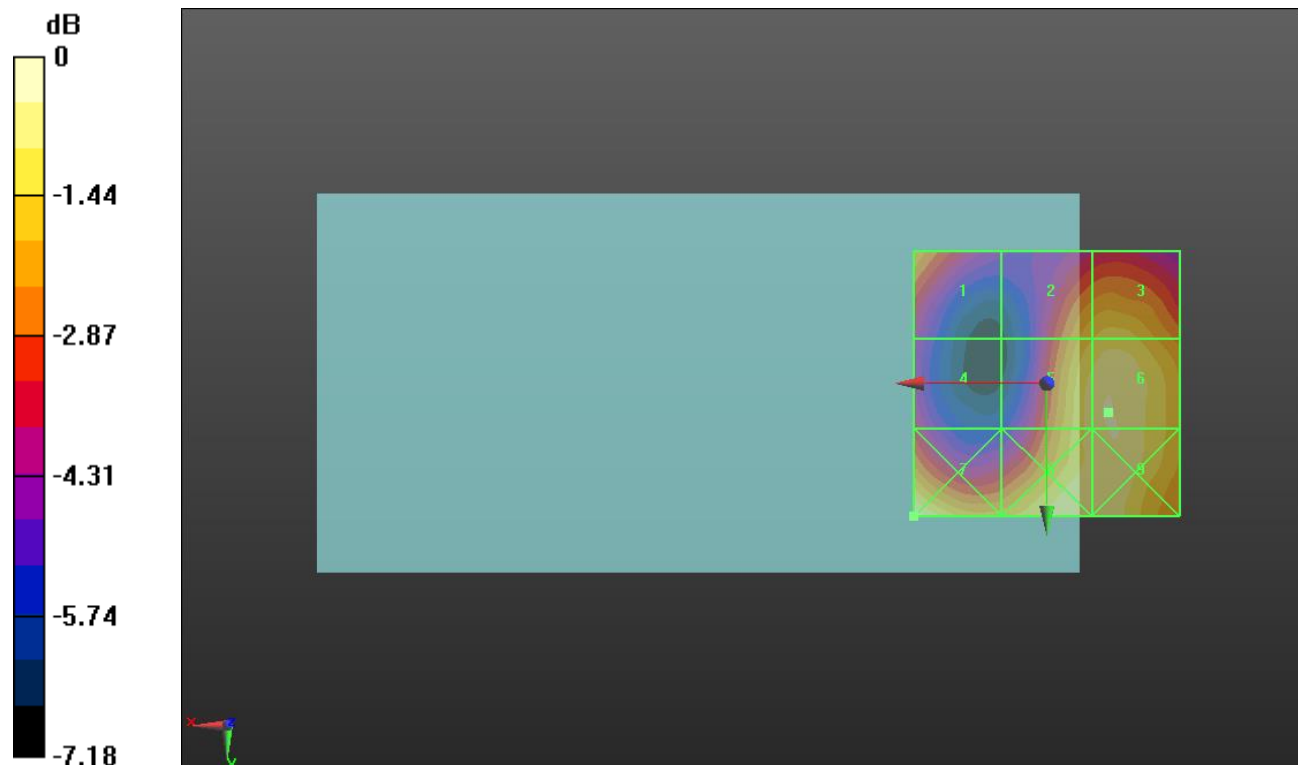
Applied MIF = -1.44 dB

RF audio interference level = 24.05 dBV/m

Emission category: **M4**

MIF scaled E-field

Grid 1 M4 22.59 dBV/m	Grid 2 M4 23.02 dBV/m	Grid 3 M4 23.32 dBV/m
Grid 4 M4 20.96 dBV/m	Grid 5 M4 23.78 dBV/m	Grid 6 M4 24.05 dBV/m
Grid 7 M4 24.48 dBV/m	Grid 8 M4 23.96 dBV/m	Grid 9 M4 24.02 dBV/m



0 dB = 16.75 V/m = 24.48 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 = 13.80 V/m; Power Drift = 0.15 dB

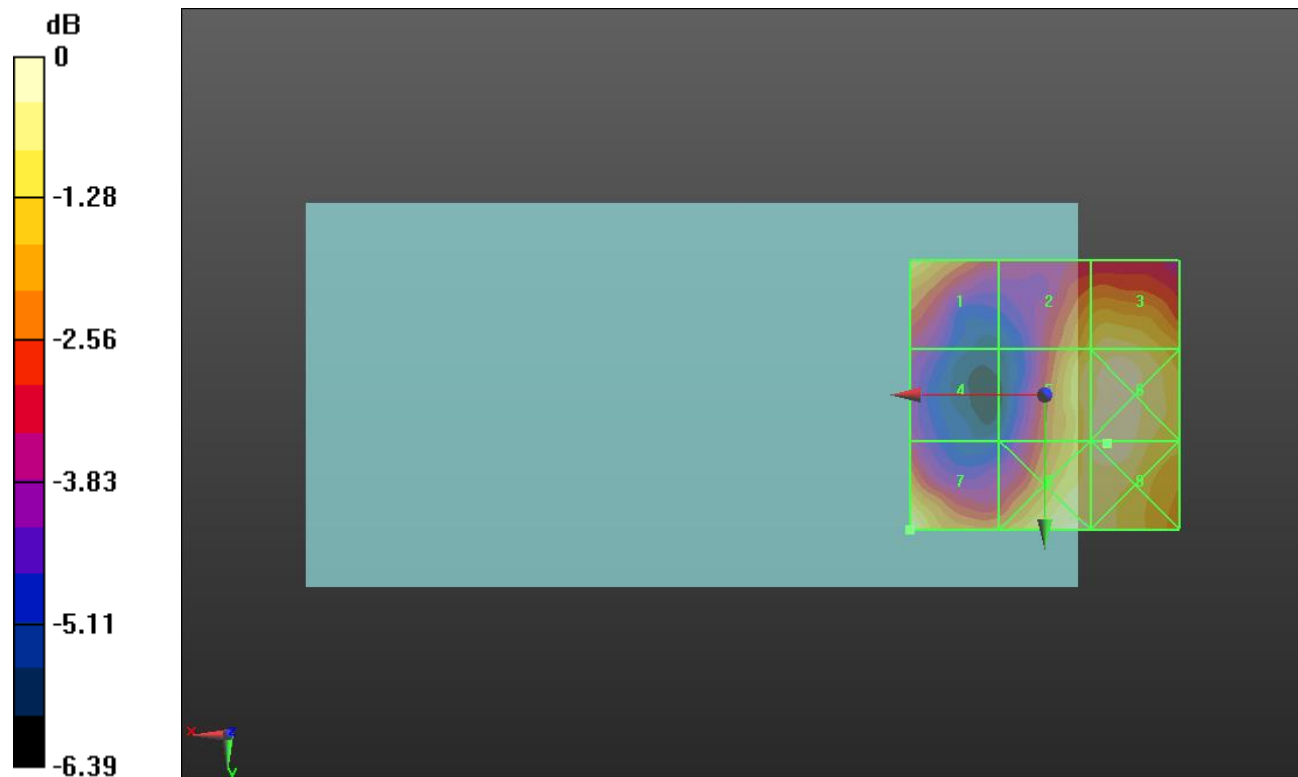
Applied MIF = -1.44 dB

RF audio interference level = 22.46 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 21.7 dBV/m	Grid 2 M4 21.47 dBV/m	Grid 3 M4 21.89 dBV/m
Grid 4 M4 18.99 dBV/m	Grid 5 M4 22.07 dBV/m	Grid 6 M4 22.46 dBV/m
Grid 7 M4 22.46 dBV/m	Grid 8 M4 22.12 dBV/m	Grid 9 M4 22.47 dBV/m



0 dB = 13.28 V/m = 22.46 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 = 50.55 V/m; Power Drift = -0.04 dB

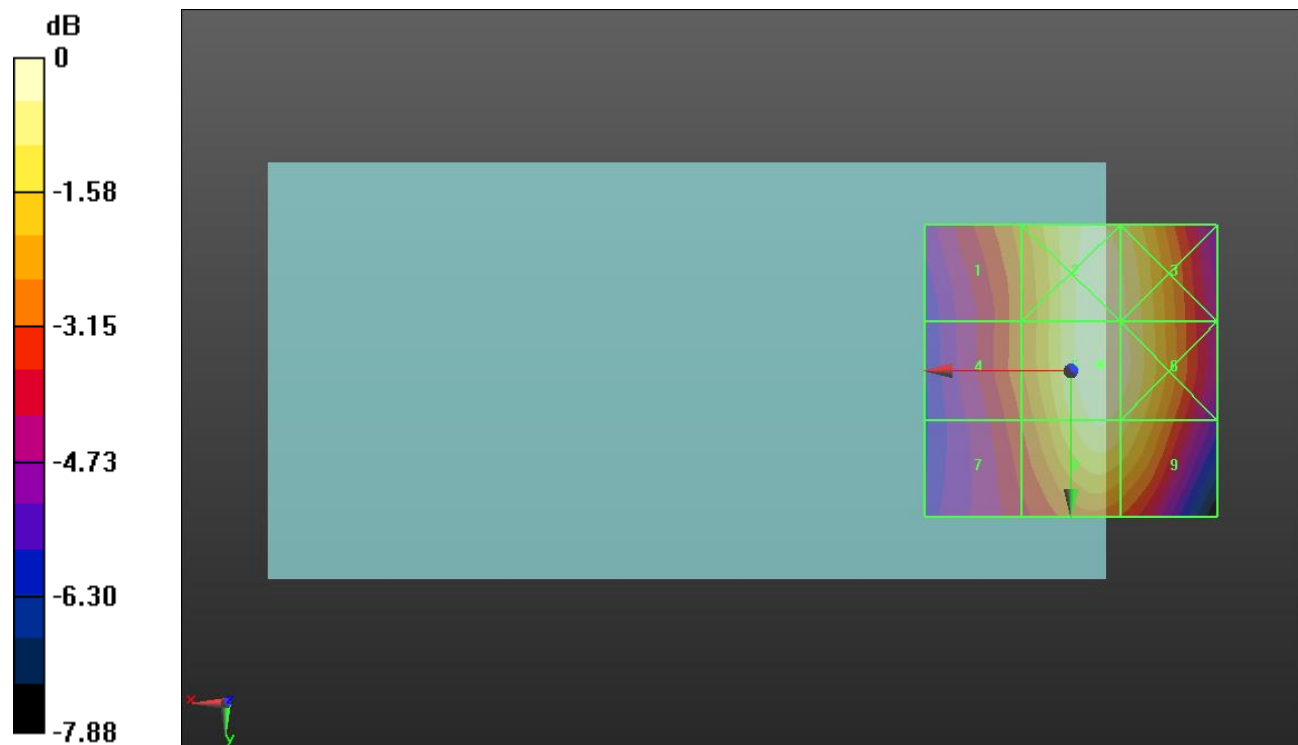
Applied MIF = 3.63 dB

RF audio interference level = 34.66 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 32.34 dBV/m	Grid 2 M4 34.57 dBV/m	Grid 3 M4 34.31 dBV/m
Grid 4 M4 31.99 dBV/m	Grid 5 M4 34.66 dBV/m	Grid 6 M4 34.41 dBV/m
Grid 7 M4 31.55 dBV/m	Grid 8 M4 34.21 dBV/m	Grid 9 M4 33.89 dBV/m



0 dB = 54.08 V/m = 34.66 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 = 47.33 V/m; Power Drift = -0.05 dB

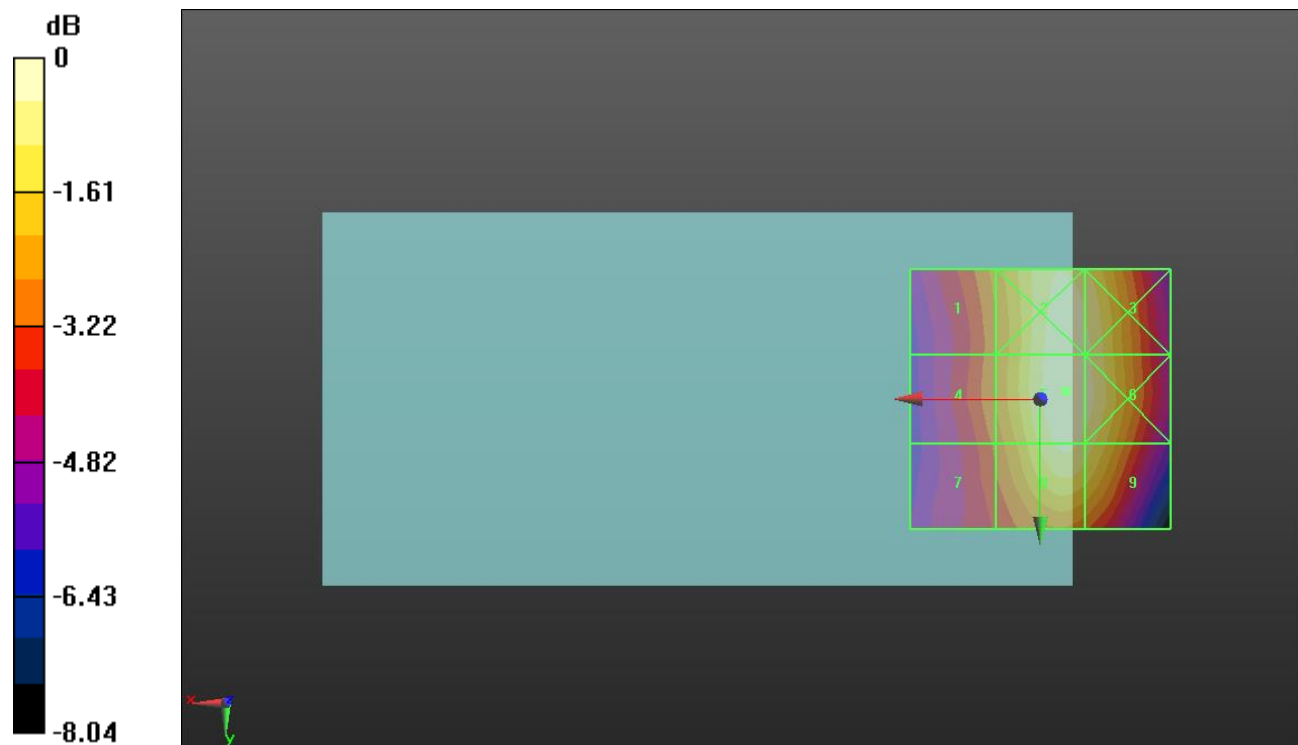
Applied MIF = 3.63 dB

RF audio interference level = 33.97 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 31.58 dBV/m	Grid 2 M4 33.85 dBV/m	Grid 3 M4 33.63 dBV/m
Grid 4 M4 31.37 dBV/m	Grid 5 M4 33.97 dBV/m	Grid 6 M4 33.75 dBV/m
Grid 7 M4 30.95 dBV/m	Grid 8 M4 33.58 dBV/m	Grid 9 M4 33.28 dBV/m



0 dB = 49.96 V/m = 33.97 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 = 44.77 V/m; Power Drift = -0.03 dB

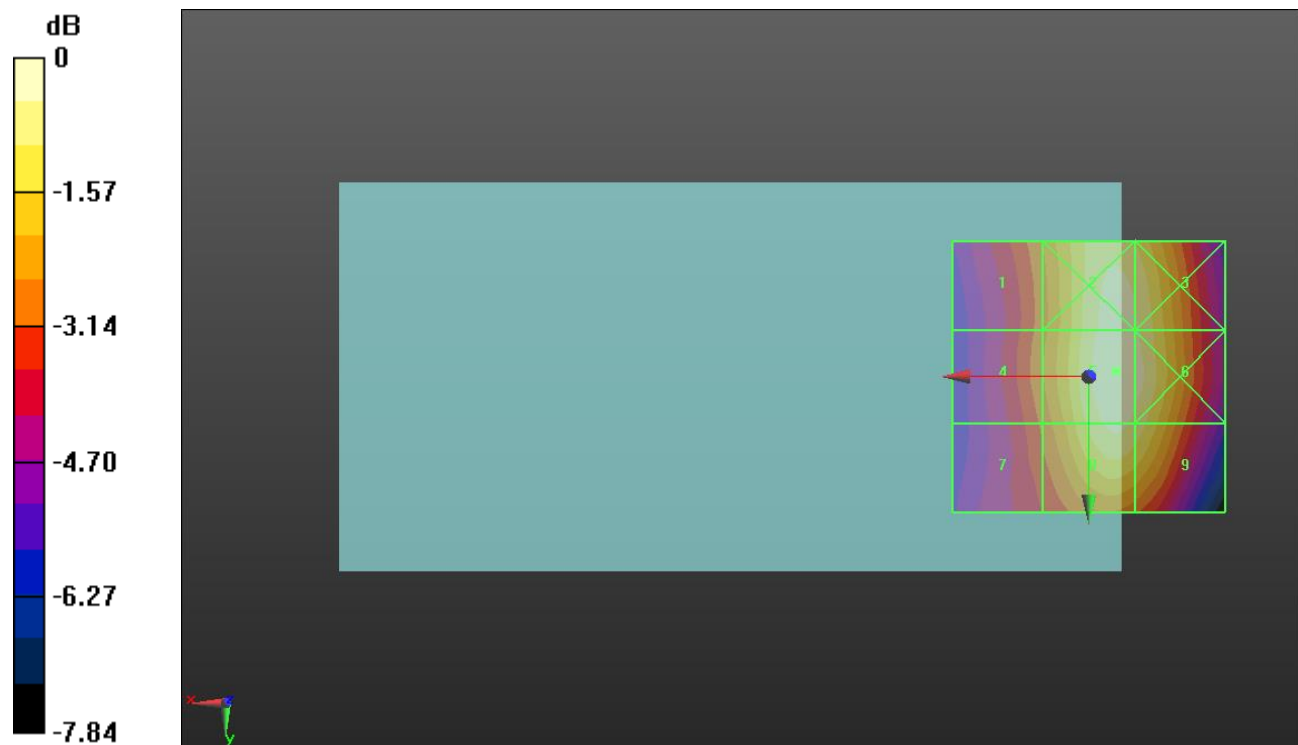
Applied MIF = 3.63 dB

RF audio interference level = 33.48 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 30.91 dBV/m	Grid 2 M4 33.29 dBV/m	Grid 3 M4 33.06 dBV/m
Grid 4 M4 30.85 dBV/m	Grid 5 M4 33.48 dBV/m	Grid 6 M4 33.24 dBV/m
Grid 7 M4 30.5 dBV/m	Grid 8 M4 33.11 dBV/m	Grid 9 M4 32.82 dBV/m



0 dB = 47.23 V/m = 33.48 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 = 22.73 V/m; Power Drift = 0.00 dB

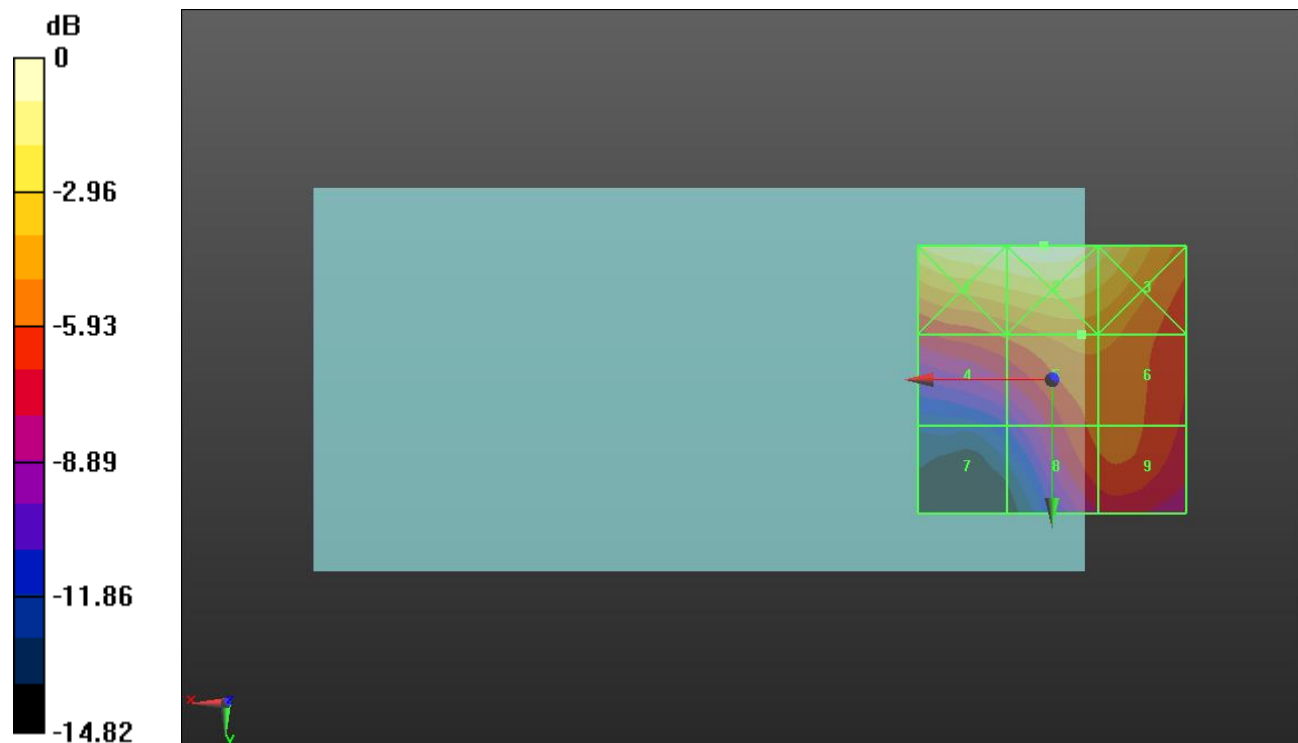
Applied MIF = 3.63 dB

RF audio interference level = 28.76 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M3 32.86 dBV/m	Grid 2 M3 33.21 dBV/m	Grid 3 M3 31.89 dBV/m
Grid 4 M4 27.55 dBV/m	Grid 5 M4 28.76 dBV/m	Grid 6 M4 28.68 dBV/m
Grid 7 M4 22.44 dBV/m	Grid 8 M4 27.62 dBV/m	Grid 9 M4 27.79 dBV/m



0 dB = 45.78 V/m = 33.21 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 = 25.78 V/m; Power Drift = -0.03 dB

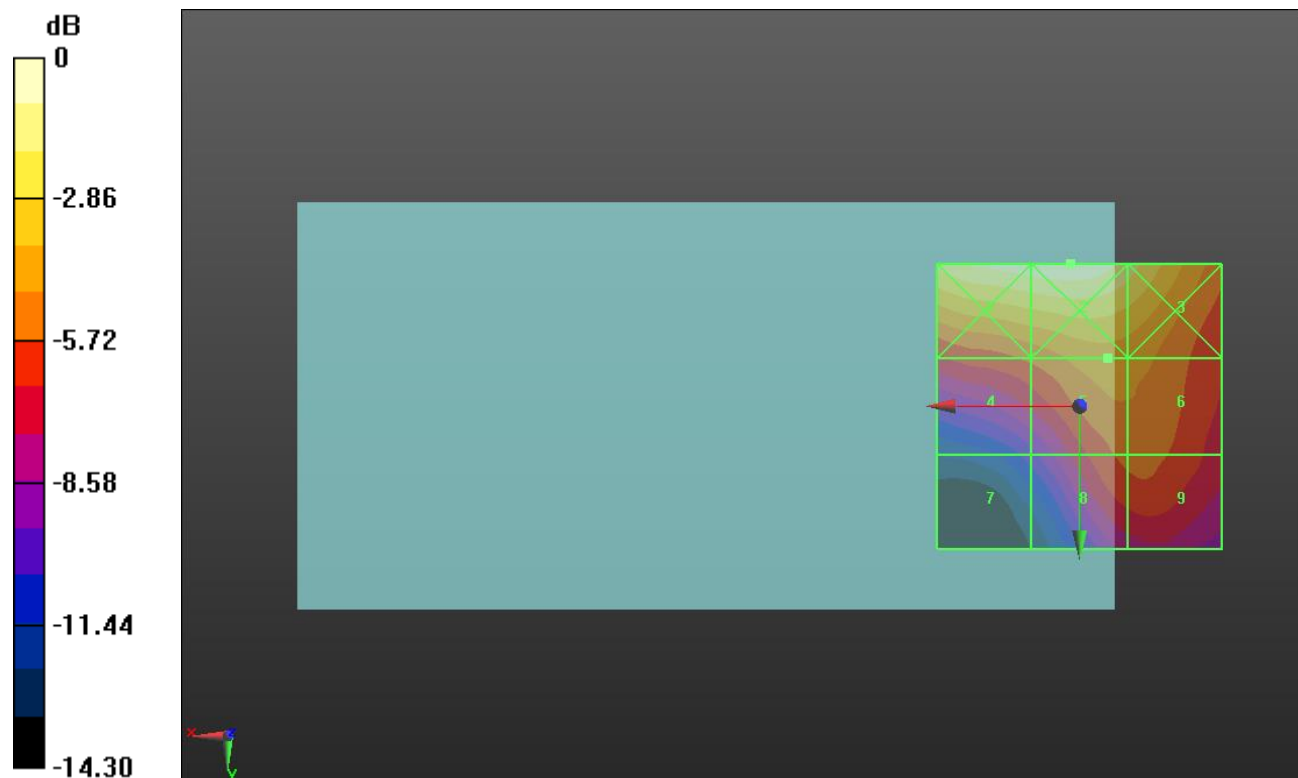
Applied MIF = 3.63 dB

RF audio interference level = 29.32 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M3 33.26 dBV/m	Grid 2 M3 33.51 dBV/m	Grid 3 M3 32.14 dBV/m
Grid 4 M4 28.06 dBV/m	Grid 5 M4 29.32 dBV/m	Grid 6 M4 29.21 dBV/m
Grid 7 M4 23.62 dBV/m	Grid 8 M4 28.07 dBV/m	Grid 9 M4 28.15 dBV/m



0 dB = 47.35 V/m = 33.51 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 = 26.51 V/m; Power Drift = -0.04 dB

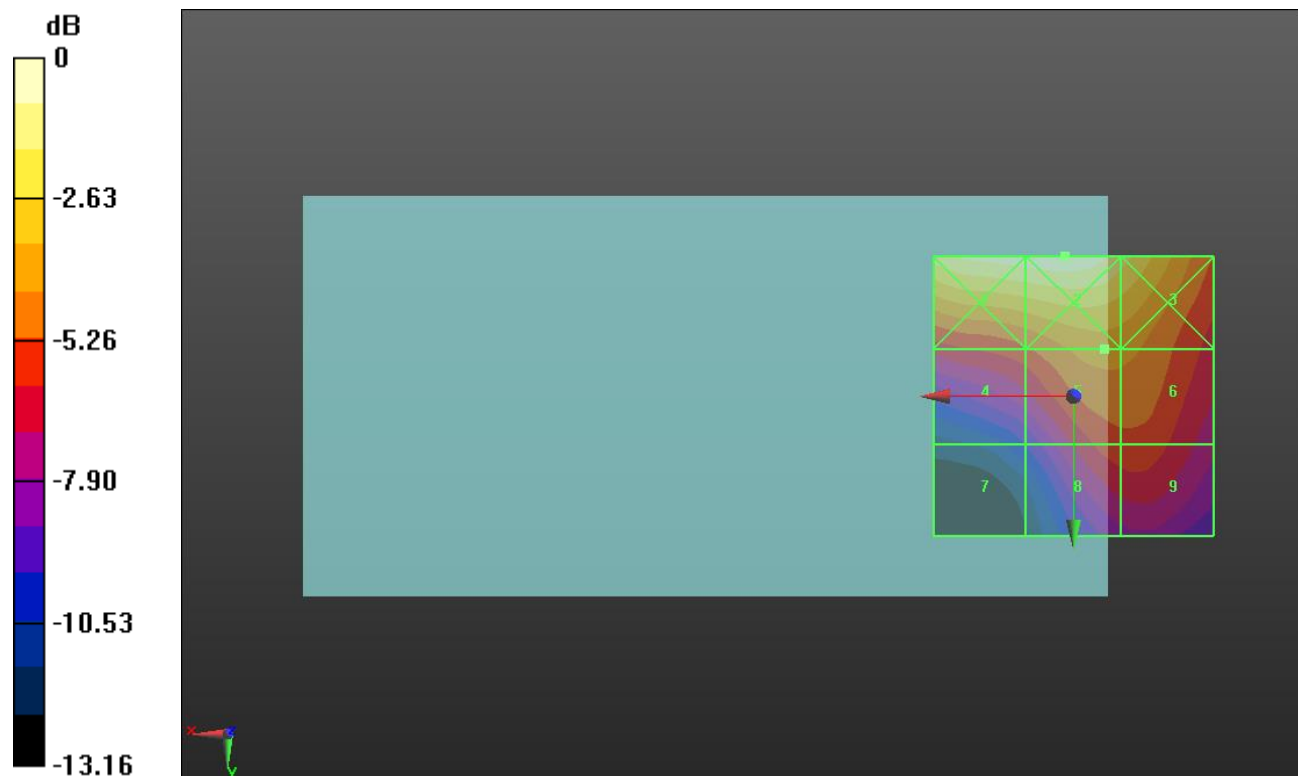
Applied MIF = 3.63 dB

RF audio interference level = 29.46 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M3 33.17 dBV/m	Grid 2 M3 33.42 dBV/m	Grid 3 M3 32.1 dBV/m
Grid 4 M4 28.05 dBV/m	Grid 5 M4 29.46 dBV/m	Grid 6 M4 29.36 dBV/m
Grid 7 M4 23.88 dBV/m	Grid 8 M4 27.83 dBV/m	Grid 9 M4 27.87 dBV/m



0 dB = 46.87 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 = 39.99 V/m; Power Drift = -0.03 dB

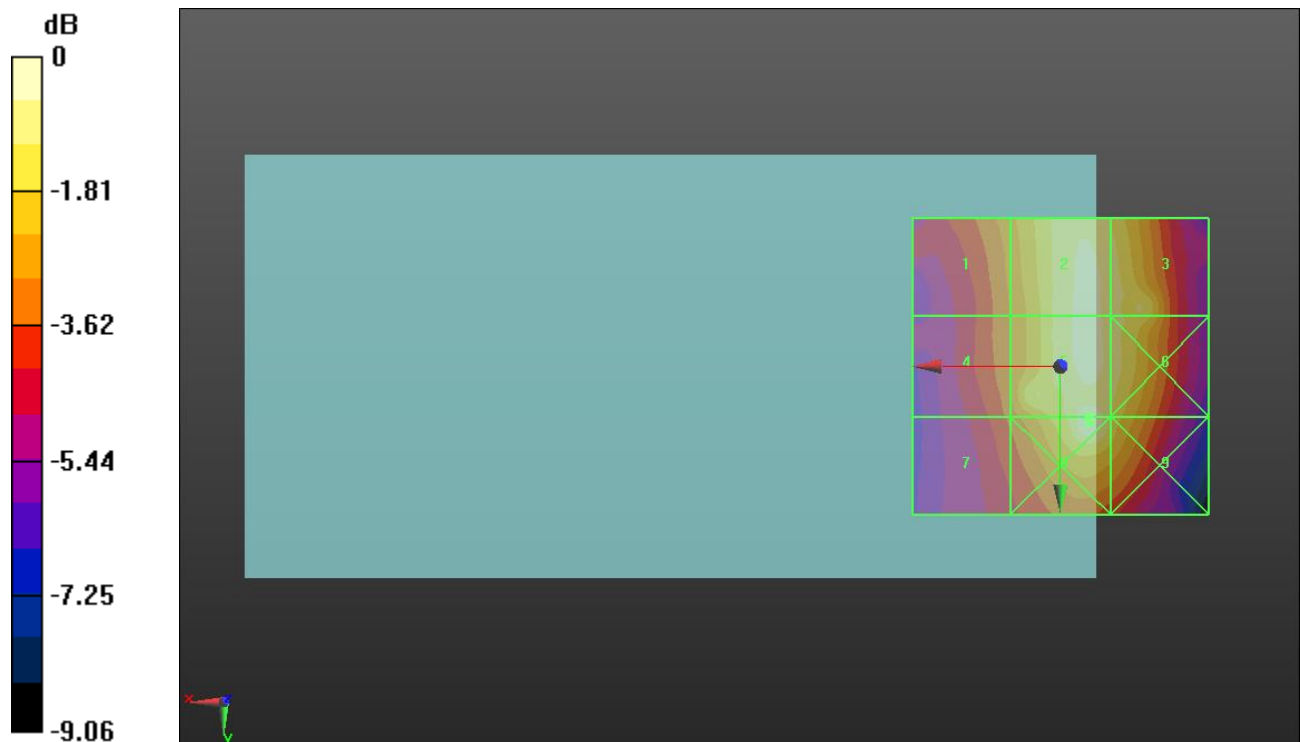
Applied MIF = 3.26 dB

RF audio interference level = 32.14 dBV/m

Emission category: **M4**

MIF scaled E-field

Grid 1 M4 29.64 dBV/m	Grid 2 M4 31.79 dBV/m	Grid 3 M4 31.39 dBV/m
Grid 4 M4 29.26 dBV/m	Grid 5 M4 32.14 dBV/m	Grid 6 M4 31.43 dBV/m
Grid 7 M4 28.82 dBV/m	Grid 8 M4 32.24 dBV/m	Grid 9 M4 31.04 dBV/m



0 dB = 40.91 V/m = 32.24 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 = 36.99 V/m; Power Drift = -0.08 dB

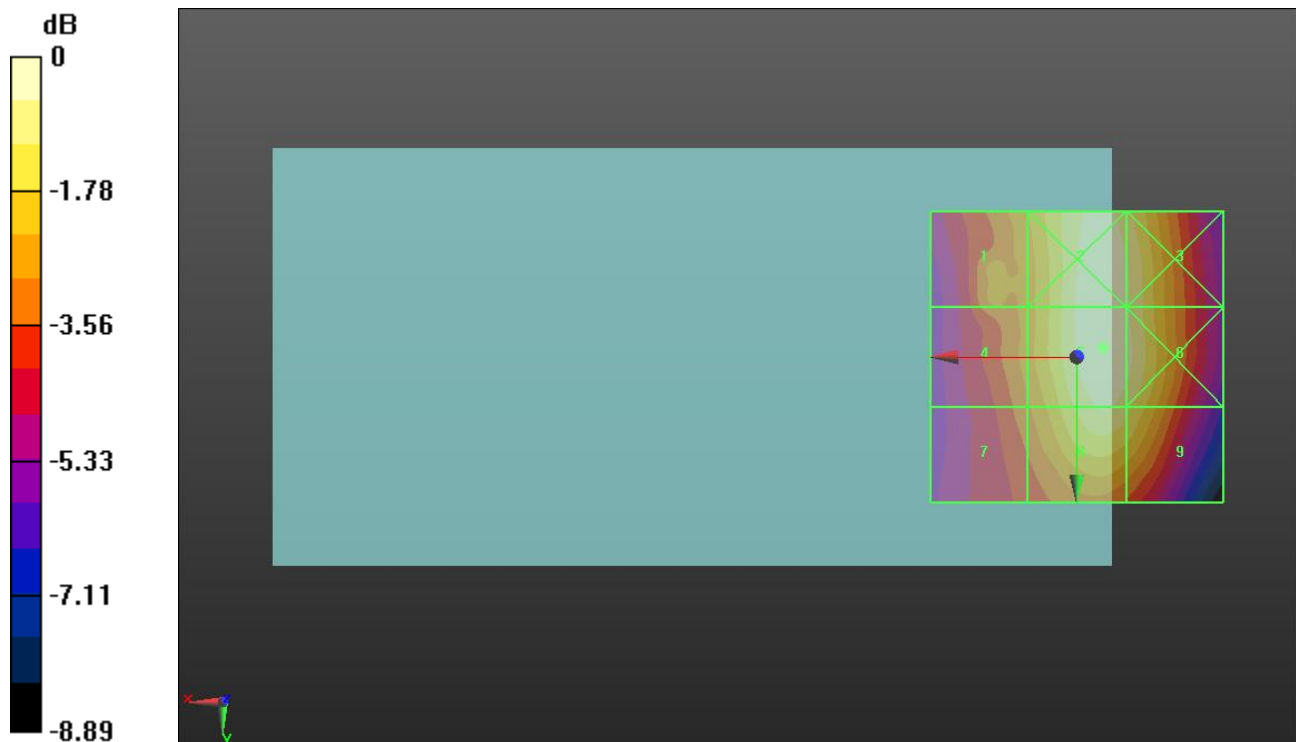
Applied MIF = 3.26 dB

RF audio interference level = 31.01 dBV/m

Emission category: **M4**

MIF scaled E-field

Grid 1 M4 28.67 dBV/m	Grid 2 M4 30.96 dBV/m	Grid 3 M4 30.53 dBV/m
Grid 4 M4 28.37 dBV/m	Grid 5 M4 31.01 dBV/m	Grid 6 M4 30.64 dBV/m
Grid 7 M4 27.95 dBV/m	Grid 8 M4 30.49 dBV/m	Grid 9 M4 30.06 dBV/m



0 dB = 35.52 V/m = 31.01 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 = 33.73 V/m; Power Drift = -0.06 dB

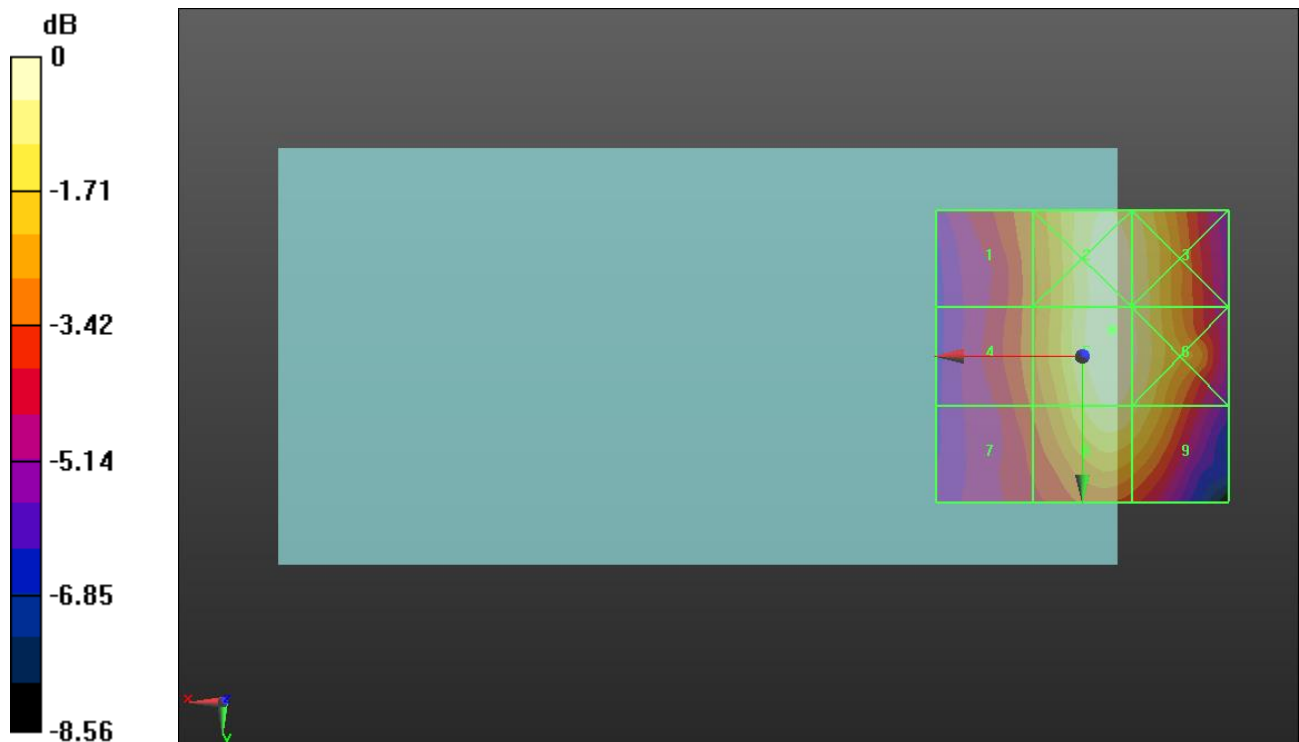
Applied MIF = 3.26 dB

RF audio interference level = 30.34 dBV/m

Emission category: **M4**

MIF scaled E-field

Grid 1 M4 27.56 dBV/m	Grid 2 M4 30.28 dBV/m	Grid 3 M4 29.91 dBV/m
Grid 4 M4 27.38 dBV/m	Grid 5 M4 30.34 dBV/m	Grid 6 M4 29.94 dBV/m
Grid 7 M4 27.03 dBV/m	Grid 8 M4 29.82 dBV/m	Grid 9 M4 29.43 dBV/m



0 dB = 32.89 V/m = 30.34 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 = 13.52 V/m; Power Drift = 0.06 dB

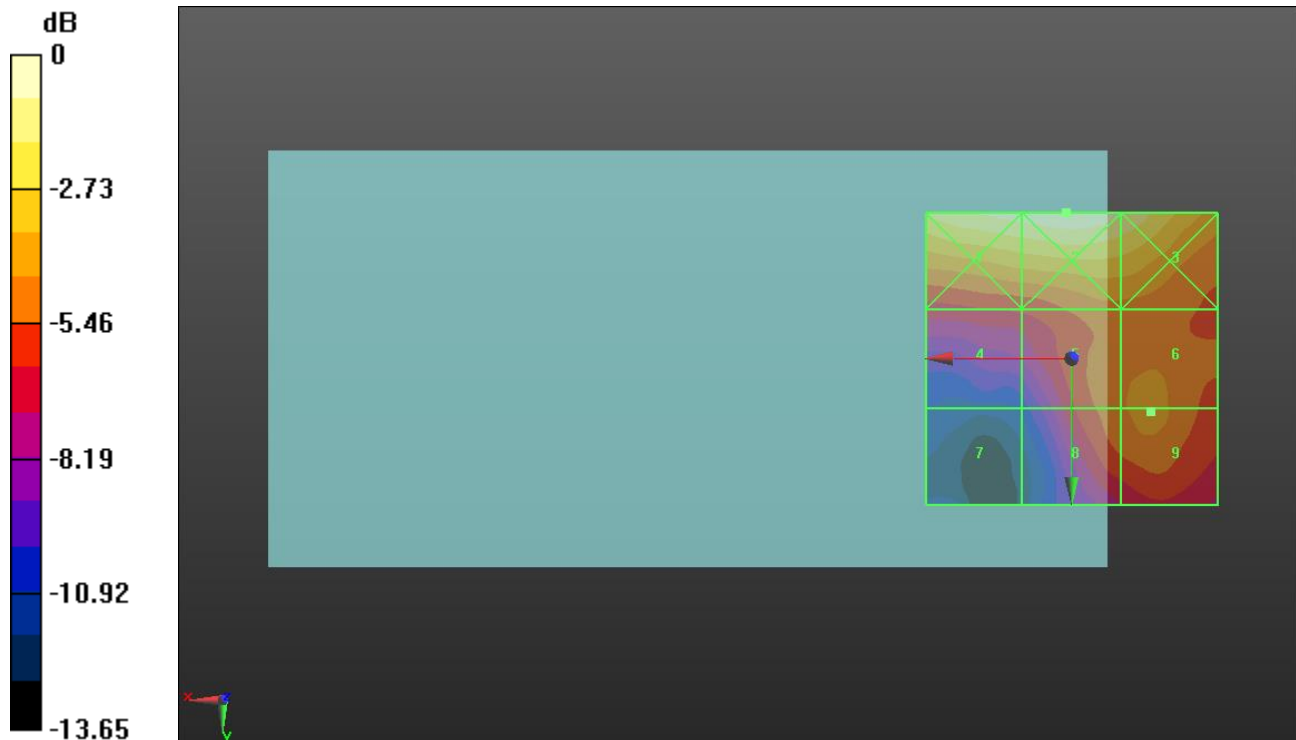
Applied MIF = 3.26 dB

RF audio interference level = 23.51 dBV/m

Emission category: **M4**

MIF scaled E-field

Grid 1 M4 27.45 dBV/m	Grid 2 M4 27.79 dBV/m	Grid 3 M4 27.07 dBV/m
Grid 4 M4 21.67 dBV/m	Grid 5 M4 23.17 dBV/m	Grid 6 M4 23.51 dBV/m
Grid 7 M4 17.27 dBV/m	Grid 8 M4 23.14 dBV/m	Grid 9 M4 23.51 dBV/m



0 dB = 24.52 V/m = 27.79 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 = 14.07 V/m; Power Drift = -0.11 dB

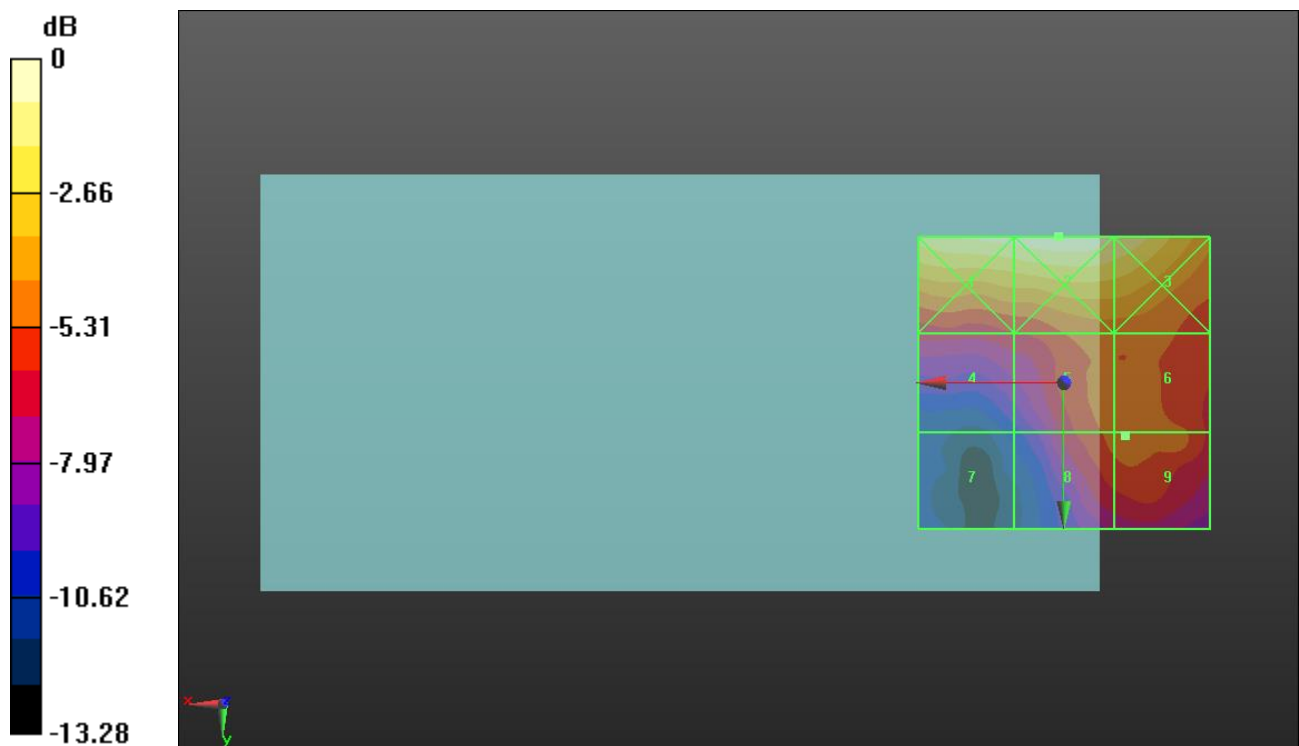
Applied MIF = 3.26 dB

RF audio interference level = 22.85 dBV/m

Emission category: **M4**

MIF scaled E-field

Grid 1 M4 27.28 dBV/m	Grid 2 M4 27.6 dBV/m	Grid 3 M4 26.96 dBV/m
Grid 4 M4 21.38 dBV/m	Grid 5 M4 22.78 dBV/m	Grid 6 M4 22.85 dBV/m
Grid 7 M4 17.52 dBV/m	Grid 8 M4 22.68 dBV/m	Grid 9 M4 22.85 dBV/m



0 dB = 23.99 V/m = 27.60 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 = 12.94 V/m; Power Drift = 0.01 dB

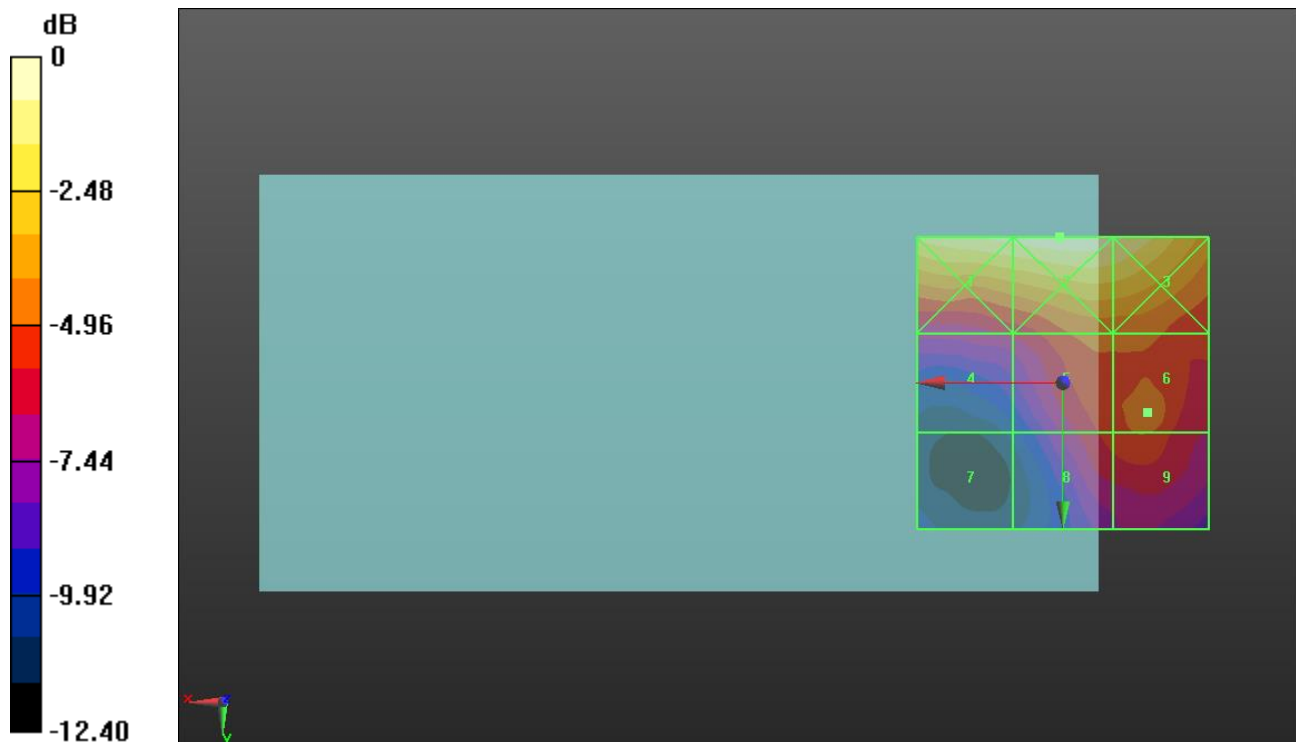
Applied MIF = 3.26 dB

RF audio interference level = 22.74 dBV/m

Emission category: **M4**

MIF scaled E-field

Grid 1 M4 26.45 dBV/m	Grid 2 M4 26.87 dBV/m	Grid 3 M4 26.34 dBV/m
Grid 4 M4 20.55 dBV/m	Grid 5 M4 22.28 dBV/m	Grid 6 M4 22.74 dBV/m
Grid 7 M4 16.86 dBV/m	Grid 8 M4 21.49 dBV/m	Grid 9 M4 22 dBV/m



0 dB = 22.06 V/m = 26.87 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 = 39.97 V/m; Power Drift = 0.04 dB

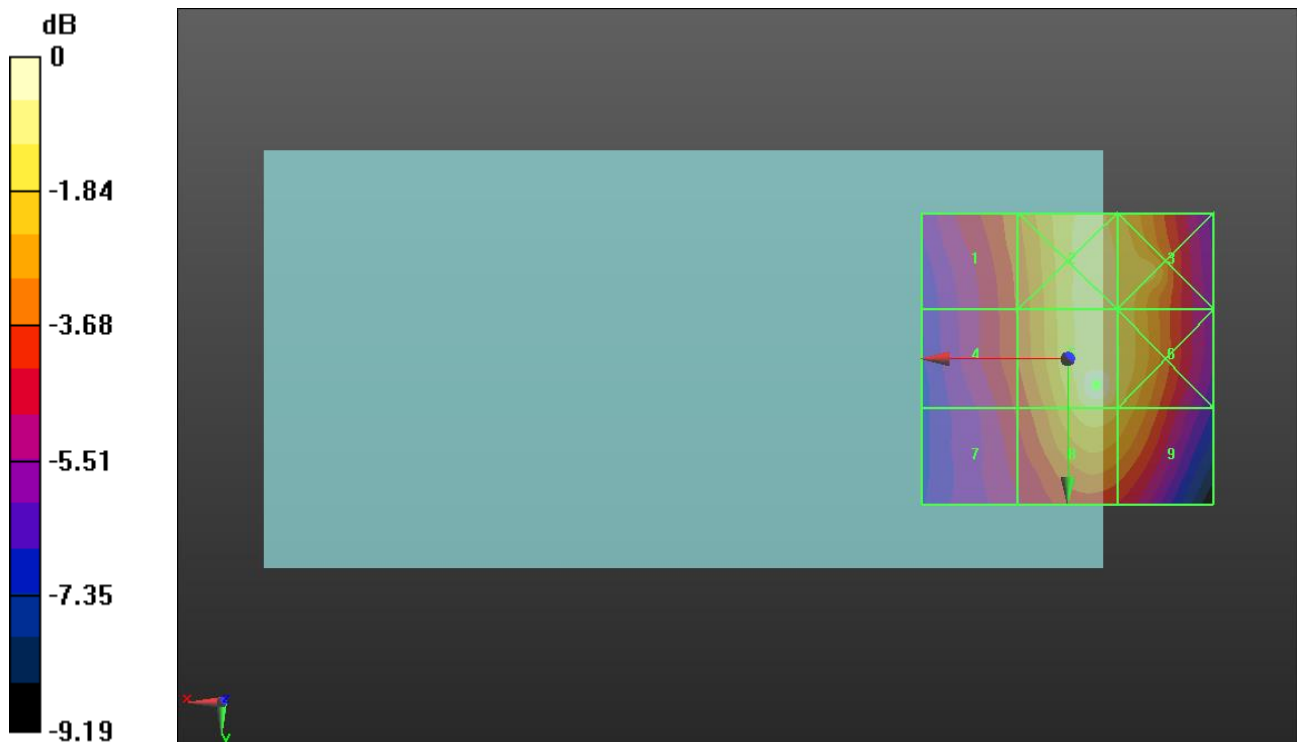
Applied MIF = 3.26 dB

RF audio interference level = 32.82 dBV/m

Emission category: **M4**

MIF scaled E-field

Grid 1 M4 29.68 dBV/m	Grid 2 M4 32 dBV/m	Grid 3 M4 31.59 dBV/m
Grid 4 M4 29.26 dBV/m	Grid 5 M4 32.82 dBV/m	Grid 6 M4 31.71 dBV/m
Grid 7 M4 28.71 dBV/m	Grid 8 M4 31.56 dBV/m	Grid 9 M4 31.12 dBV/m



0 dB = 43.75 V/m = 32.82 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 = 39.98 V/m; Power Drift = -0.03 dB

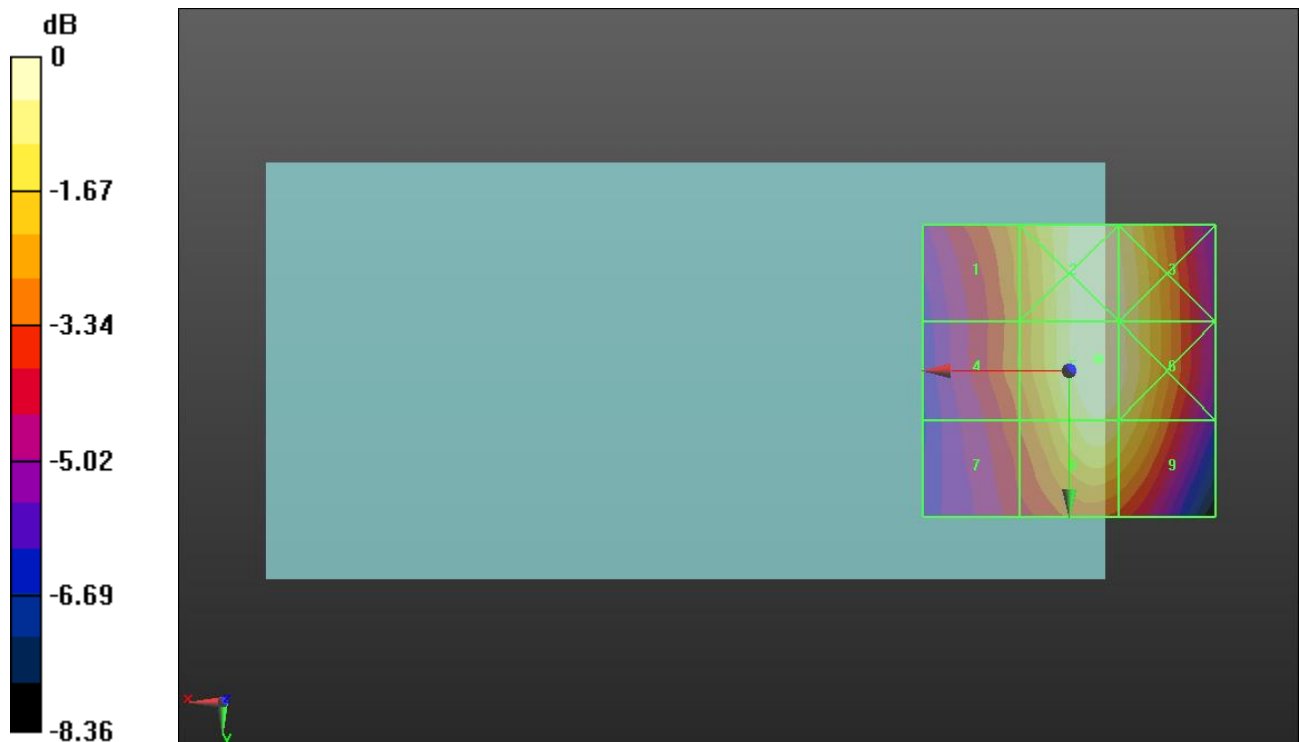
Applied MIF = 3.26 dB

RF audio interference level = 31.91 dBV/m

Emission category: **M4**

MIF scaled E-field

Grid 1 M4 29.59 dBV/m	Grid 2 M4 31.91 dBV/m	Grid 3 M4 31.56 dBV/m
Grid 4 M4 29.22 dBV/m	Grid 5 M4 31.91 dBV/m	Grid 6 M4 31.62 dBV/m
Grid 7 M4 28.65 dBV/m	Grid 8 M4 31.34 dBV/m	Grid 9 M4 30.98 dBV/m



0 dB = 39.42 V/m = 31.91 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 = 39.76 V/m; Power Drift = 0.01 dB

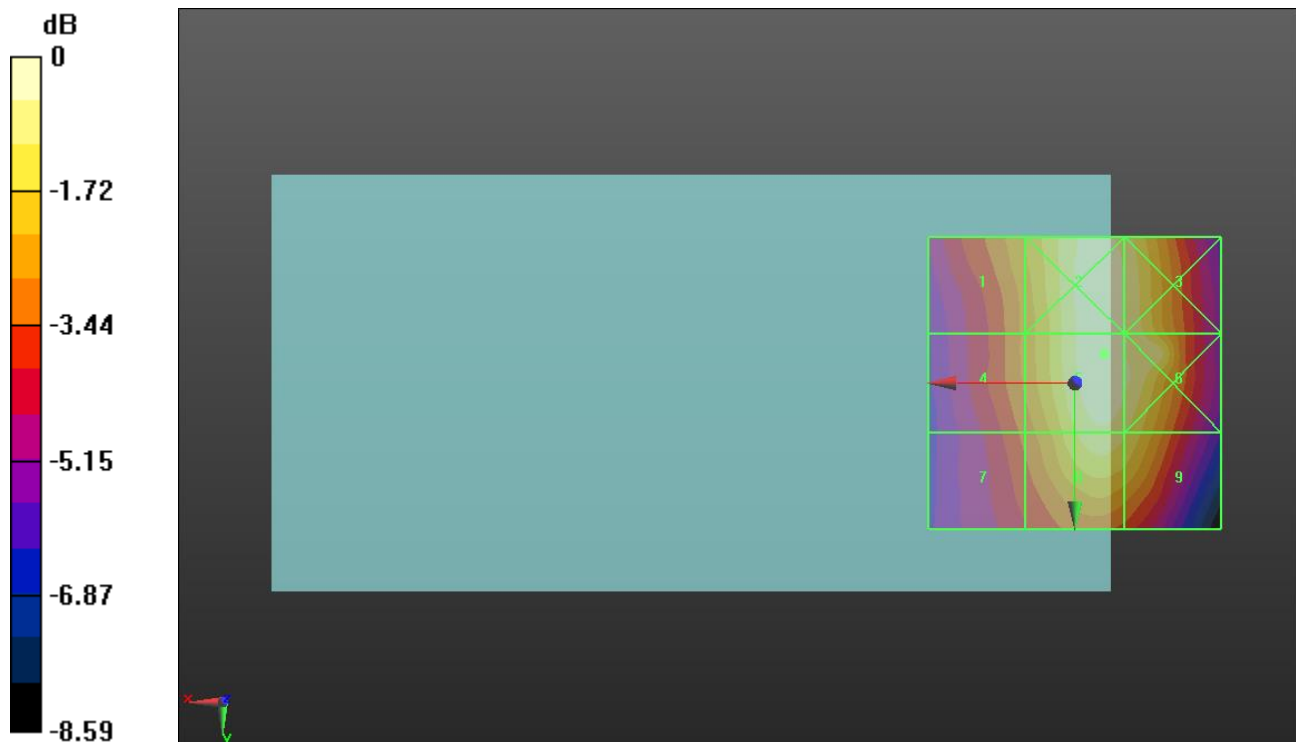
Applied MIF = 3.26 dB

RF audio interference level = 31.92 dBV/m

Emission category: **M4**

MIF scaled E-field

Grid 1 M4 29.69 dBV/m	Grid 2 M4 31.84 dBV/m	Grid 3 M4 31.42 dBV/m
Grid 4 M4 29.26 dBV/m	Grid 5 M4 31.92 dBV/m	Grid 6 M4 31.51 dBV/m
Grid 7 M4 28.71 dBV/m	Grid 8 M4 31.22 dBV/m	Grid 9 M4 30.86 dBV/m



0 dB = 39.44 V/m = 31.92 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 = 75.89 V/m; Power Drift = 0.06 dB

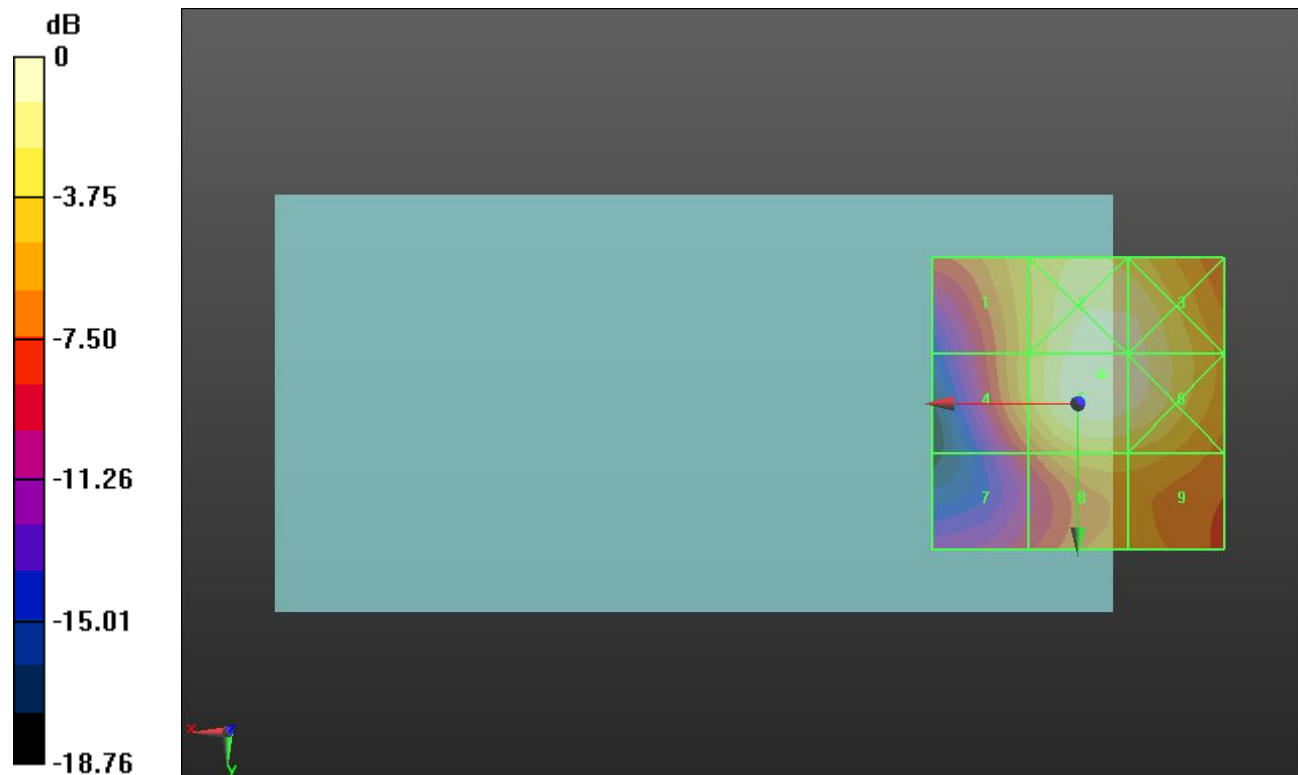
Applied MIF = -1.44 dB

RF audio interference level = 30.25 dBV/m

Emission category: **M3**

MIF scaled E-field

Grid 1 M4 26.45 dBV/m	Grid 2 M3 30.01 dBV/m	Grid 3 M4 29.7 dBV/m
Grid 4 M4 26.5 dBV/m	Grid 5 M3 30.25 dBV/m	Grid 6 M4 29.83 dBV/m
Grid 7 M4 22.21 dBV/m	Grid 8 M4 26.48 dBV/m	Grid 9 M4 26.36 dBV/m



0 dB = 32.56 V/m = 30.25 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 = 83.26 V/m; Power Drift = -0.07 dB

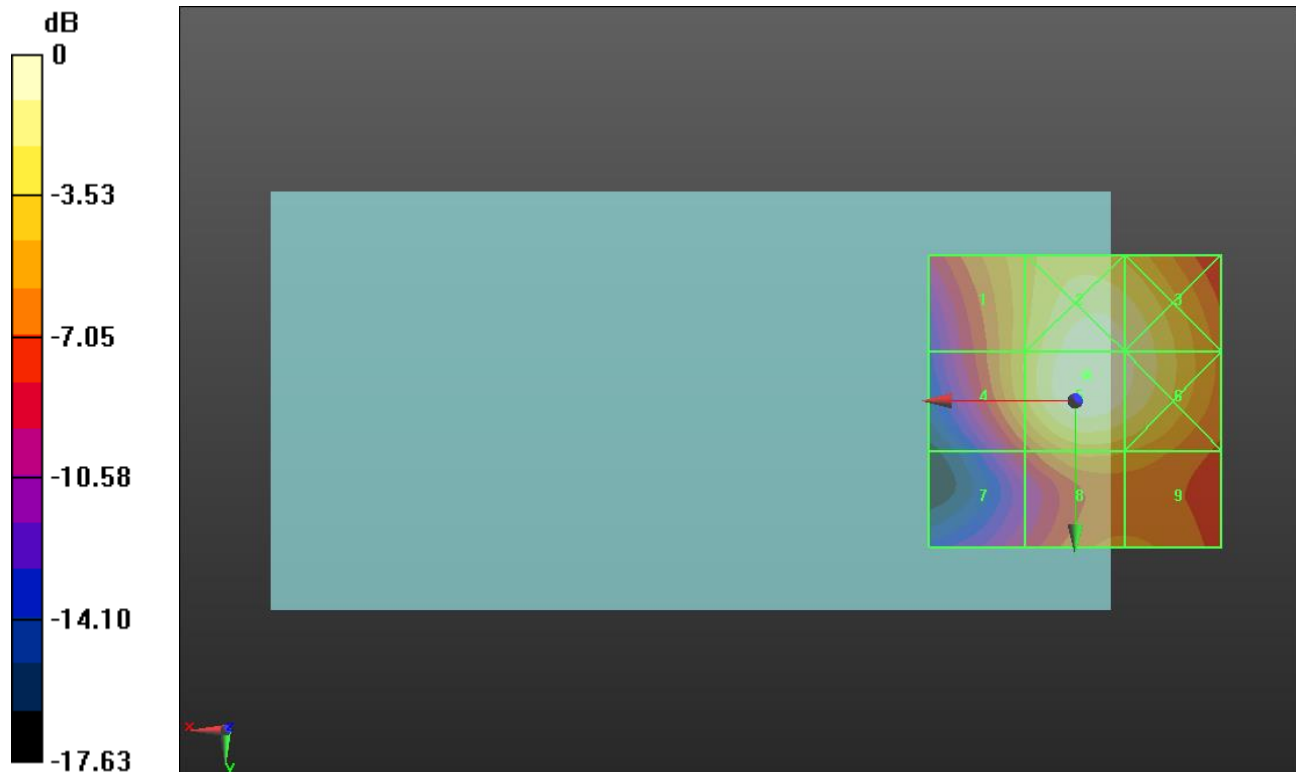
Applied MIF = -1.44 dB

RF audio interference level = 30.95 dBV/m

Emission category: **M3**

MIF scaled E-field

Grid 1 M4 27.45 dBV/m	Grid 2 M3 30.66 dBV/m	Grid 3 M3 30.02 dBV/m
Grid 4 M4 27.65 dBV/m	Grid 5 M3 30.95 dBV/m	Grid 6 M3 30.16 dBV/m
Grid 7 M4 23.29 dBV/m	Grid 8 M4 26.83 dBV/m	Grid 9 M4 26.4 dBV/m



0 dB = 35.29 V/m = 30.95 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 = 82.98 V/m; Power Drift = -0.04 dB

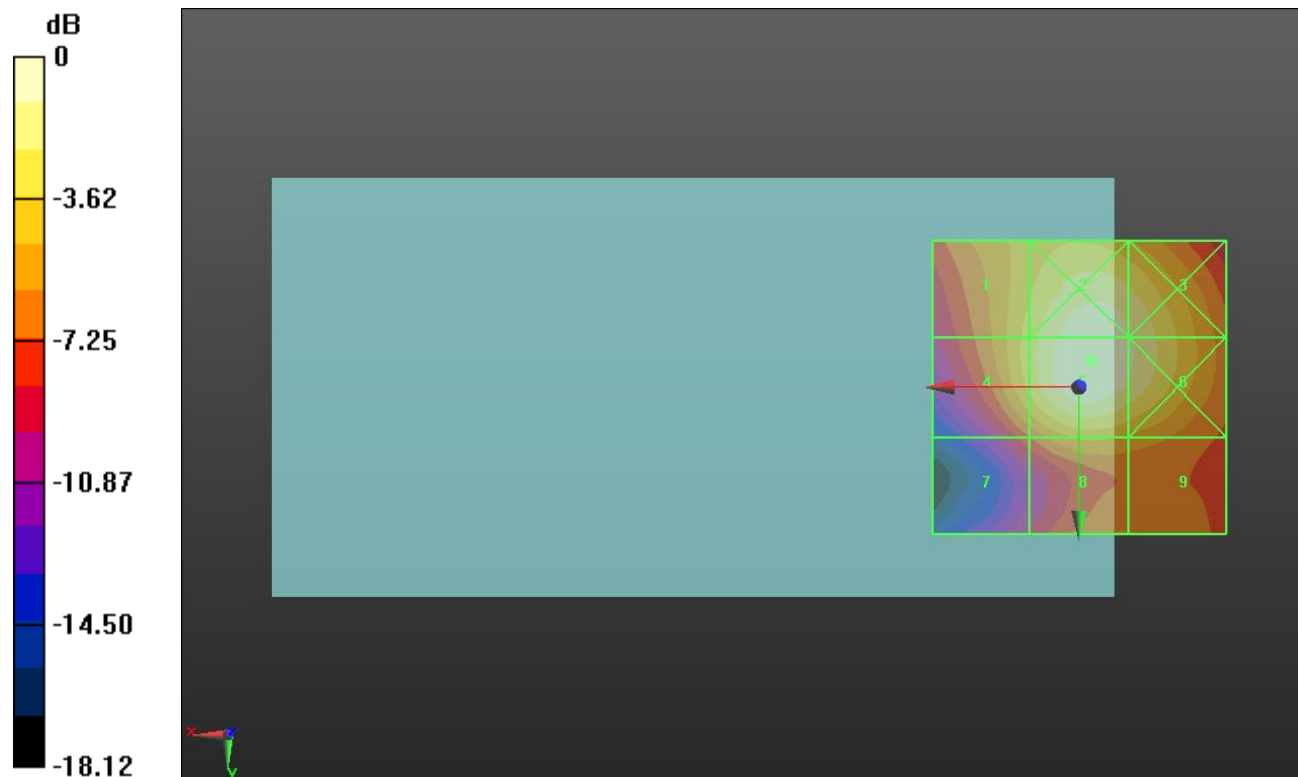
Applied MIF = -1.44 dB

RF audio interference level = 31.20 dBV/m

Emission category: **M3**

MIF scaled E-field

Grid 1 M4 28.14 dBV/m	Grid 2 M3 30.93 dBV/m	Grid 3 M3 30.11 dBV/m
Grid 4 M4 28.3 dBV/m	Grid 5 M3 31.2 dBV/m	Grid 6 M3 30.24 dBV/m
Grid 7 M4 23.89 dBV/m	Grid 8 M4 26.75 dBV/m	Grid 9 M4 26.15 dBV/m



0 dB = 36.31 V/m = 31.20 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 = 78.82 V/m; Power Drift = -0.01 dB

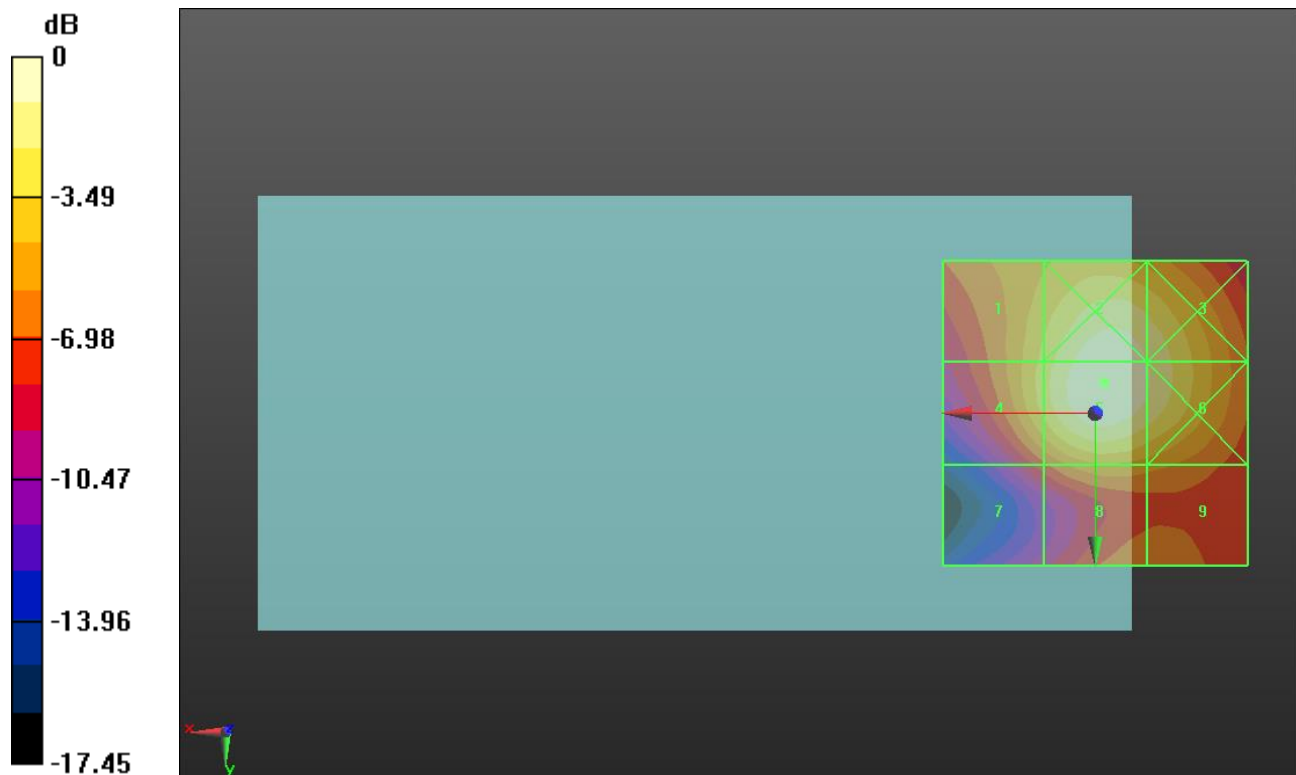
Applied MIF = -1.44 dB

RF audio interference level = 30.97 dBV/m

Emission category: **M3**

MIF scaled E-field

Grid 1 M4 27.88 dBV/m	Grid 2 M3 30.68 dBV/m	Grid 3 M4 29.8 dBV/m
Grid 4 M4 28.14 dBV/m	Grid 5 M3 30.97 dBV/m	Grid 6 M4 29.94 dBV/m
Grid 7 M4 23.61 dBV/m	Grid 8 M4 26.22 dBV/m	Grid 9 M4 25.7 dBV/m



0 dB = 35.35 V/m = 30.97 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 = 76.81 V/m; Power Drift = -0.00 dB

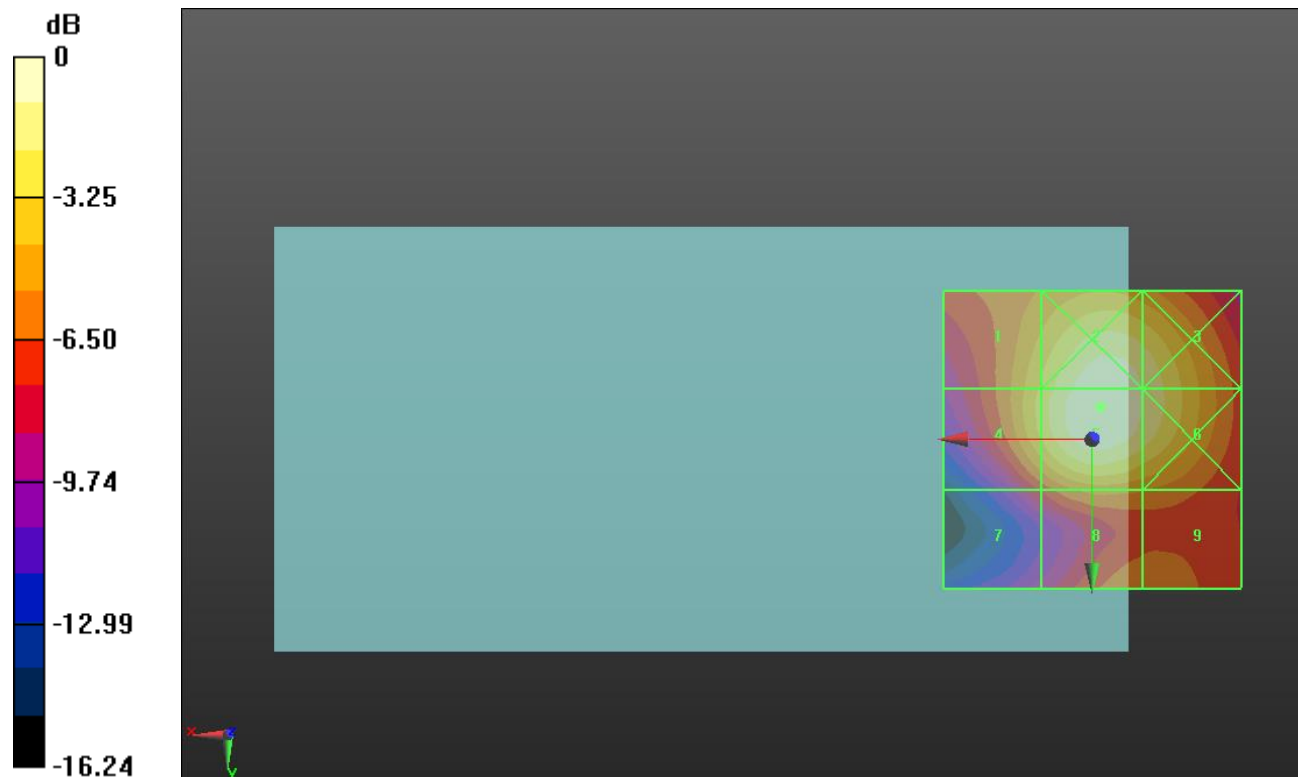
Applied MIF = -1.44 dB

RF audio interference level = 30.96 dBV/m

Emission category: **M3**

MIF scaled E-field

Grid 1 M4 27.95 dBV/m	Grid 2 M3 30.75 dBV/m	Grid 3 M4 29.84 dBV/m
Grid 4 M4 28.24 dBV/m	Grid 5 M3 30.96 dBV/m	Grid 6 M4 29.9 dBV/m
Grid 7 M4 23.65 dBV/m	Grid 8 M4 26.07 dBV/m	Grid 9 M4 25.62 dBV/m



0 dB = 35.31 V/m = 30.96 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 = 15.00 V/m; Power Drift = -0.00 dB

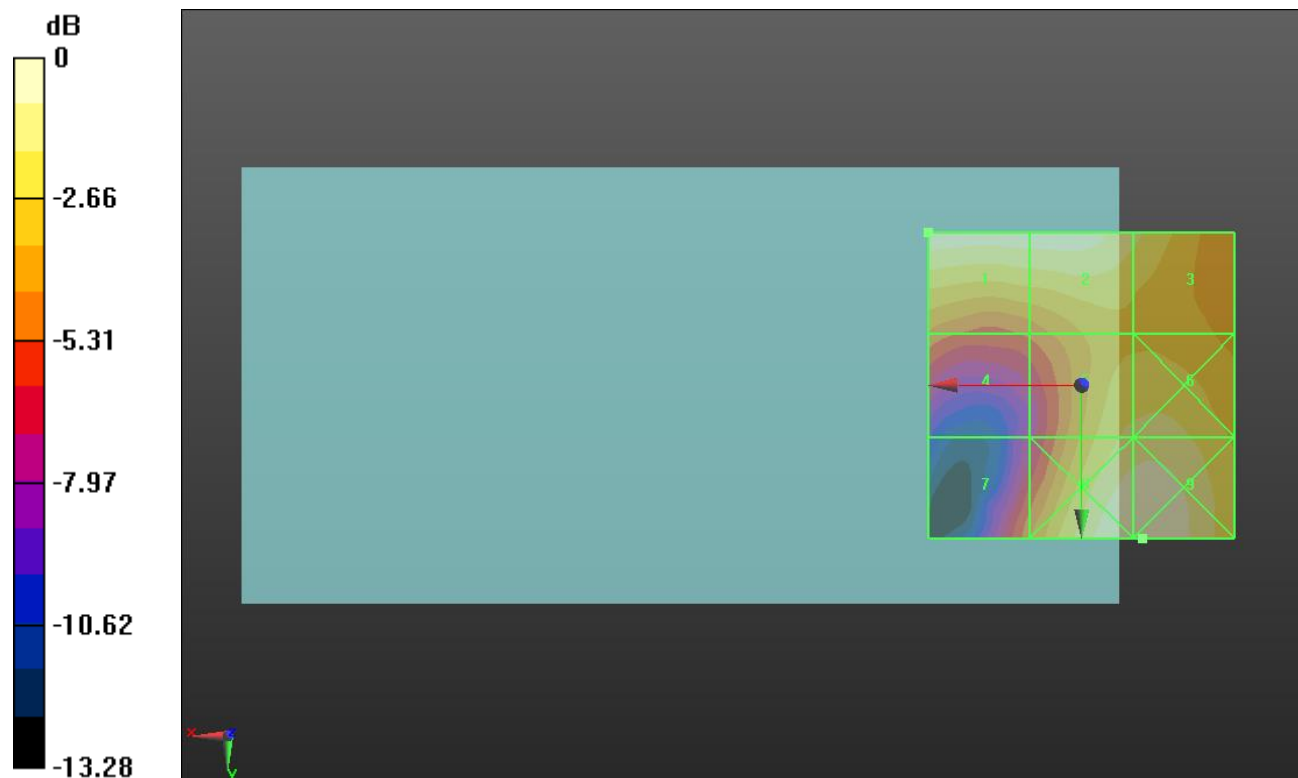
Applied MIF = 3.63 dB

RF audio interference level = 28.29 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 28.29 dBV/m	Grid 2 M4 28.19 dBV/m	Grid 3 M4 26.91 dBV/m
Grid 4 M4 23.88 dBV/m	Grid 5 M4 26.97 dBV/m	Grid 6 M4 27.13 dBV/m
Grid 7 M4 23.88 dBV/m	Grid 8 M4 28.4 dBV/m	Grid 9 M4 28.42 dBV/m



0 dB = 26.37 V/m = 28.42 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 = 15.12 V/m; Power Drift = -0.03 dB

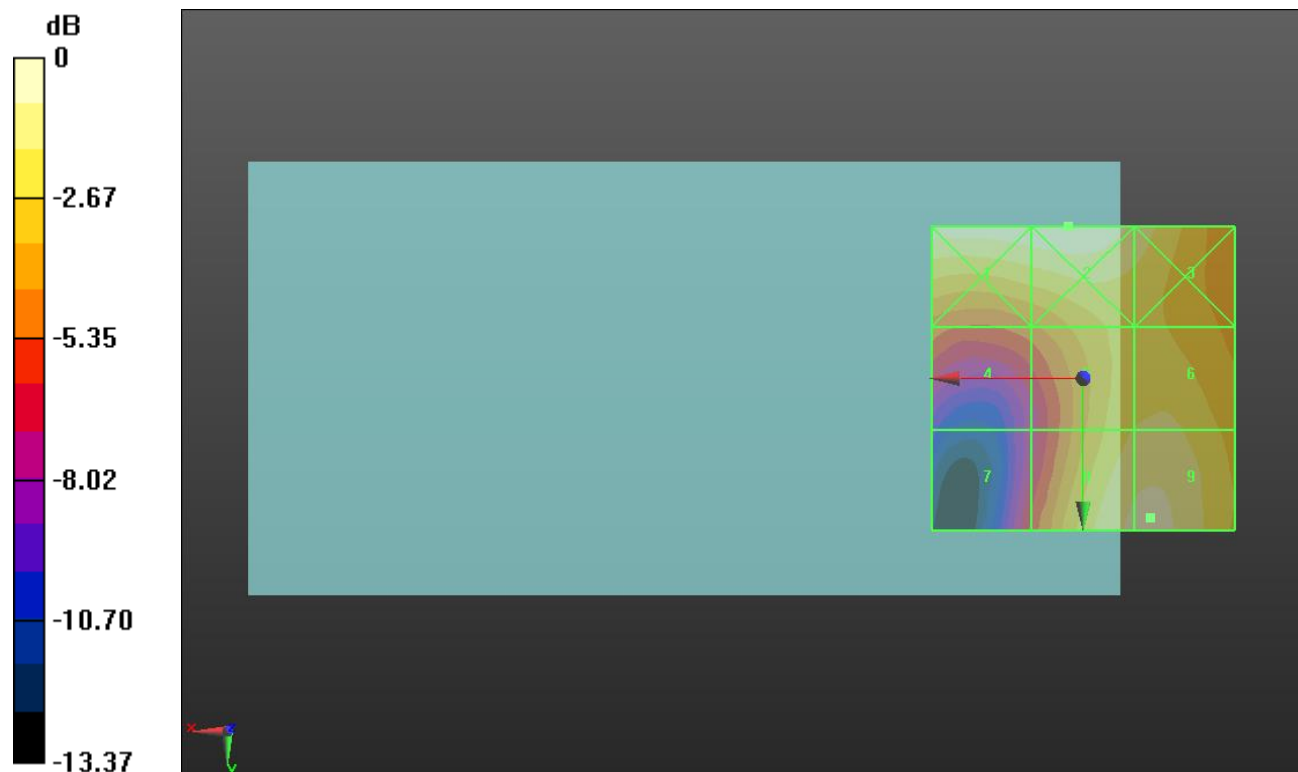
Applied MIF = 3.63 dB

RF audio interference level = 27.45 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 28.04 dBV/m	Grid 2 M4 28.14 dBV/m	Grid 3 M4 26.98 dBV/m
Grid 4 M4 23.49 dBV/m	Grid 5 M4 26.42 dBV/m	Grid 6 M4 26.61 dBV/m
Grid 7 M4 22.25 dBV/m	Grid 8 M4 27.38 dBV/m	Grid 9 M4 27.45 dBV/m



0 dB = 25.53 V/m = 28.14 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 = 14.48 V/m; Power Drift = 0.01 dB

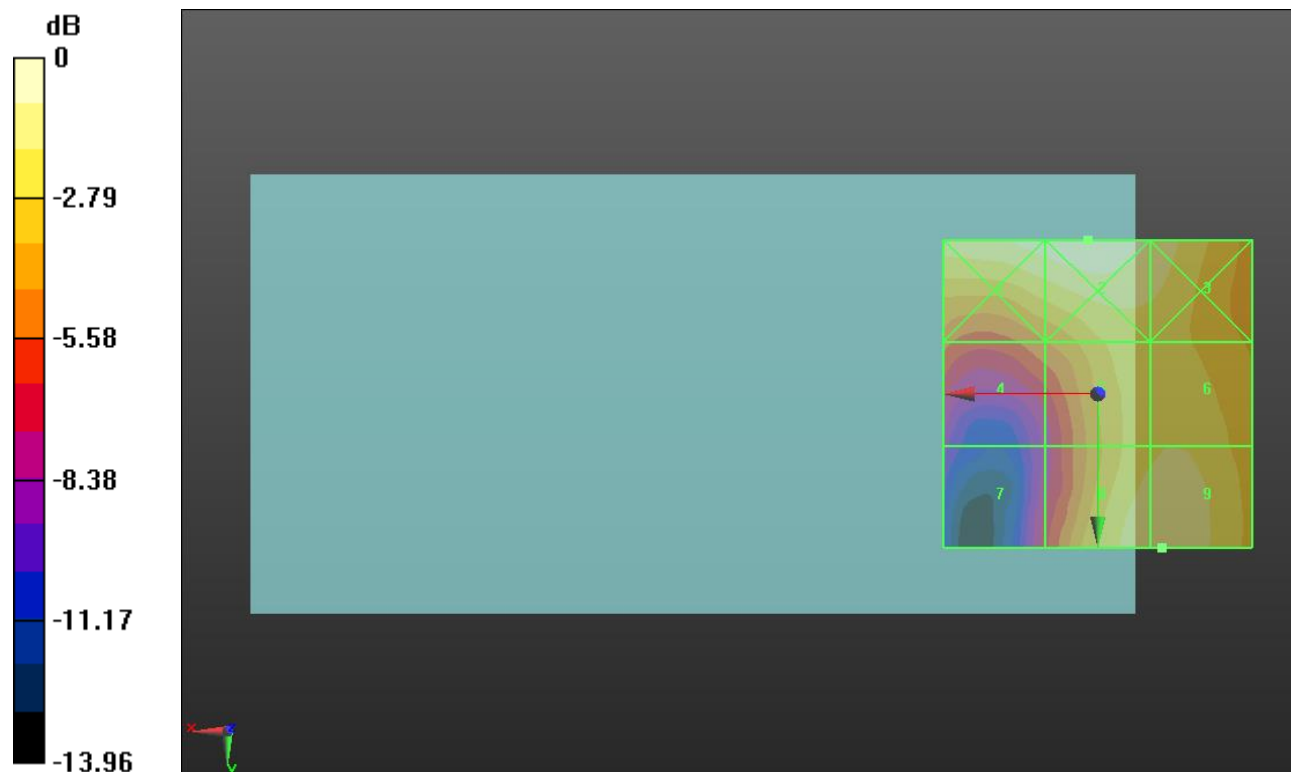
Applied MIF = 3.63 dB

RF audio interference level = 26.58 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 27.25 dBV/m	Grid 2 M4 27.62 dBV/m	Grid 3 M4 26.67 dBV/m
Grid 4 M4 22.94 dBV/m	Grid 5 M4 25.59 dBV/m	Grid 6 M4 25.76 dBV/m
Grid 7 M4 20.84 dBV/m	Grid 8 M4 26.5 dBV/m	Grid 9 M4 26.58 dBV/m



0 dB = 24.04 V/m = 27.62 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 = 9.375 V/m; Power Drift = 0.16 dB

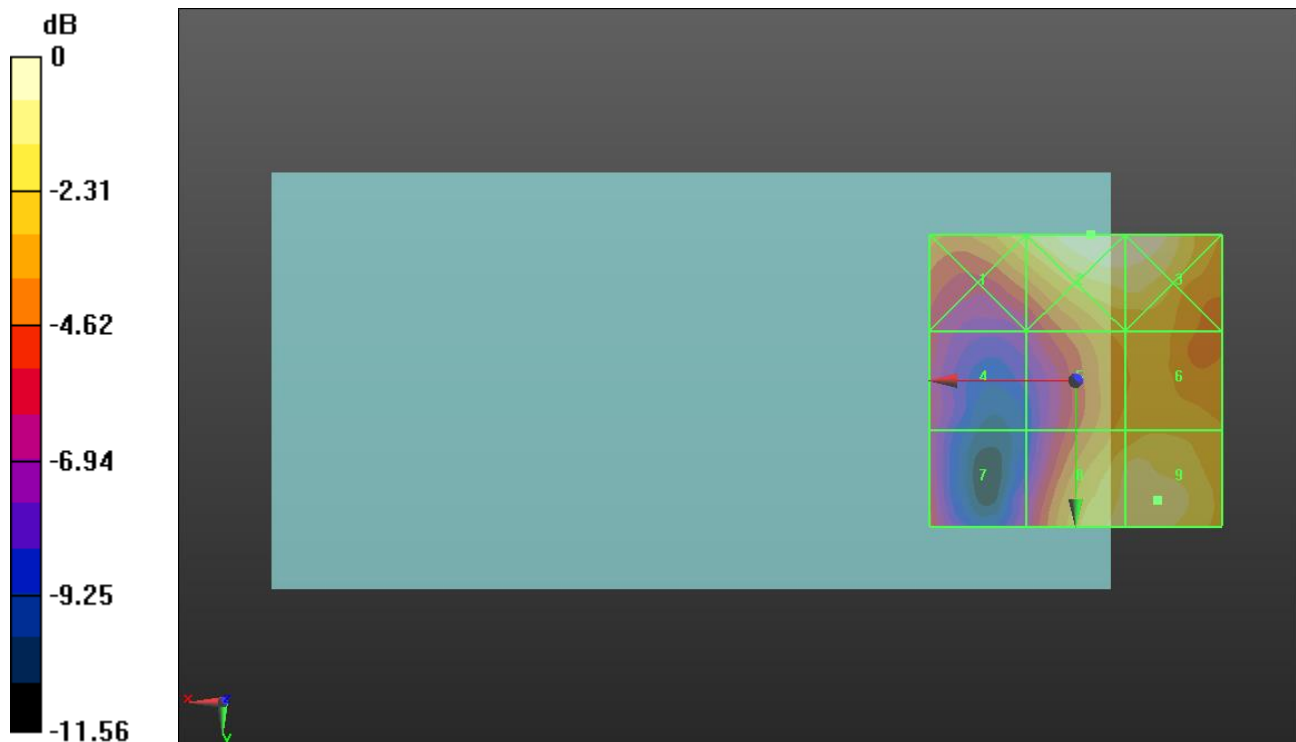
Applied MIF = -1.44 dB

RF audio interference level = 21.33 dBV/m

Emission category: **M4**

MIF scaled E-field

Grid 1 M4 20.73 dBV/m	Grid 2 M4 22.35 dBV/m	Grid 3 M4 22.17 dBV/m
Grid 4 M4 16.83 dBV/m	Grid 5 M4 19.61 dBV/m	Grid 6 M4 20 dBV/m
Grid 7 M4 17.58 dBV/m	Grid 8 M4 21.08 dBV/m	Grid 9 M4 21.33 dBV/m



0 dB = 13.11 V/m = 22.35 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 = 9.449 V/m; Power Drift = 0.01 dB

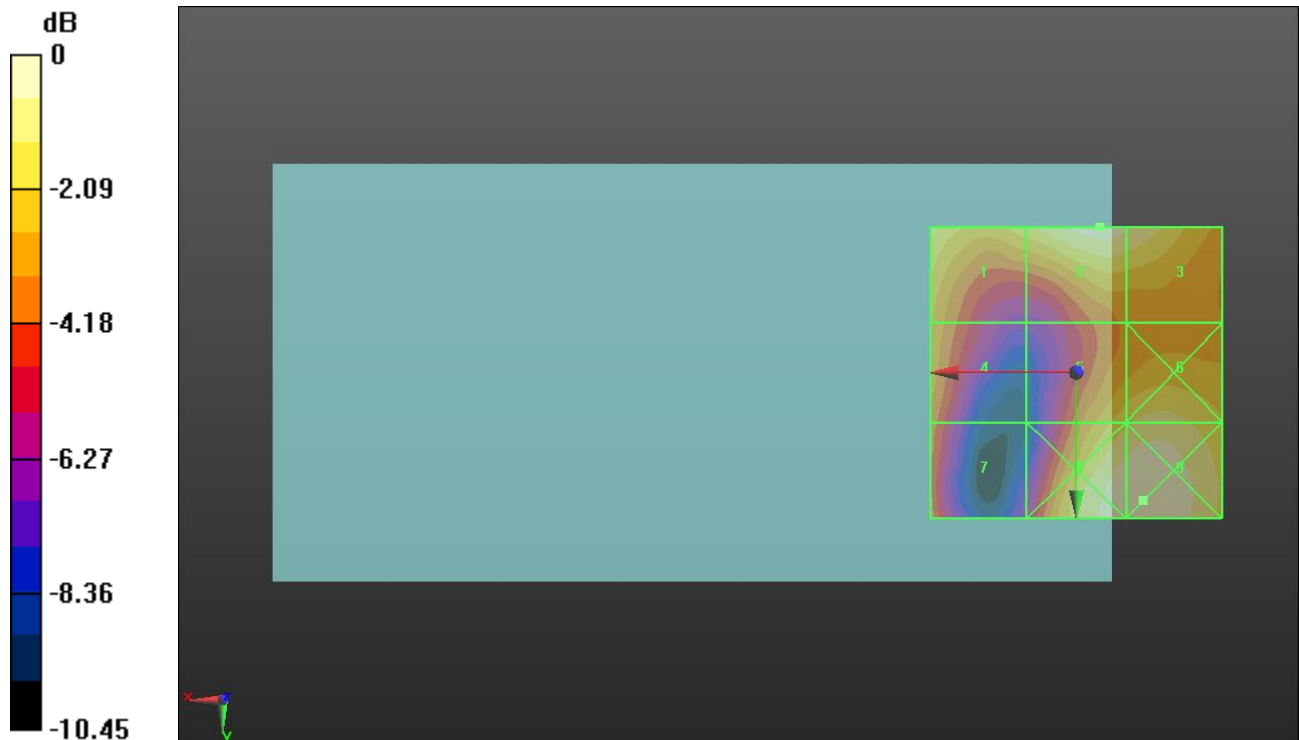
Applied MIF = -1.44 dB

RF audio interference level = 21.61 dBV/m

Emission category: **M4**

MIF scaled E-field

Grid 1 M4 20.77 dBV/m	Grid 2 M4 21.61 dBV/m	Grid 3 M4 21.32 dBV/m
Grid 4 M4 19.17 dBV/m	Grid 5 M4 20.28 dBV/m	Grid 6 M4 20.74 dBV/m
Grid 7 M4 18.46 dBV/m	Grid 8 M4 21.72 dBV/m	Grid 9 M4 21.85 dBV/m



0 dB = 12.37 V/m = 21.85 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 = 5.614 V/m; Power Drift = -0.09 dB

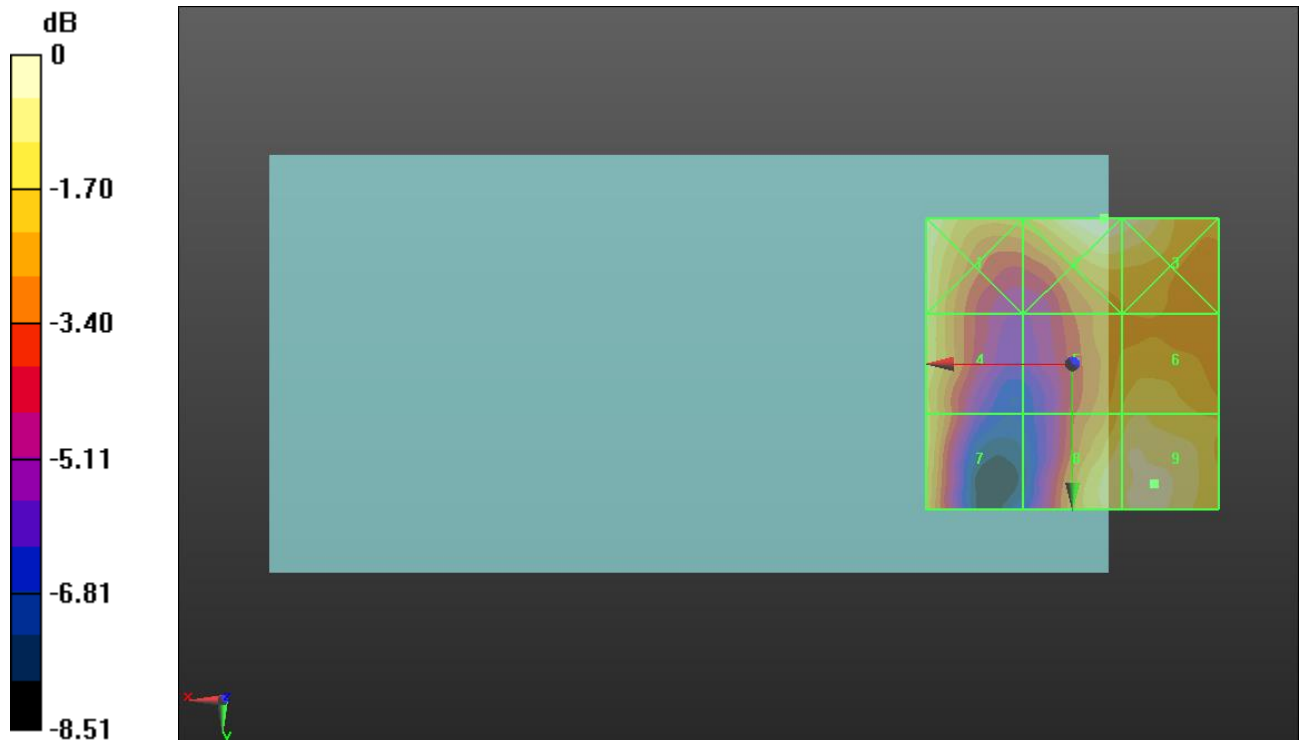
Applied MIF = -1.44 dB

RF audio interference level = 19.32 dBV/m

Emission category: **M4**

MIF scaled E-field

Grid 1 M4 19.49 dBV/m	Grid 2 M4 19.66 dBV/m	Grid 3 M4 19.48 dBV/m
Grid 4 M4 18.73 dBV/m	Grid 5 M4 18.13 dBV/m	Grid 6 M4 18.52 dBV/m
Grid 7 M4 18.35 dBV/m	Grid 8 M4 19.04 dBV/m	Grid 9 M4 19.32 dBV/m



0 dB = 9.617 V/m = 19.66 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 = 12.21 V/m; Power Drift = -0.16 dB

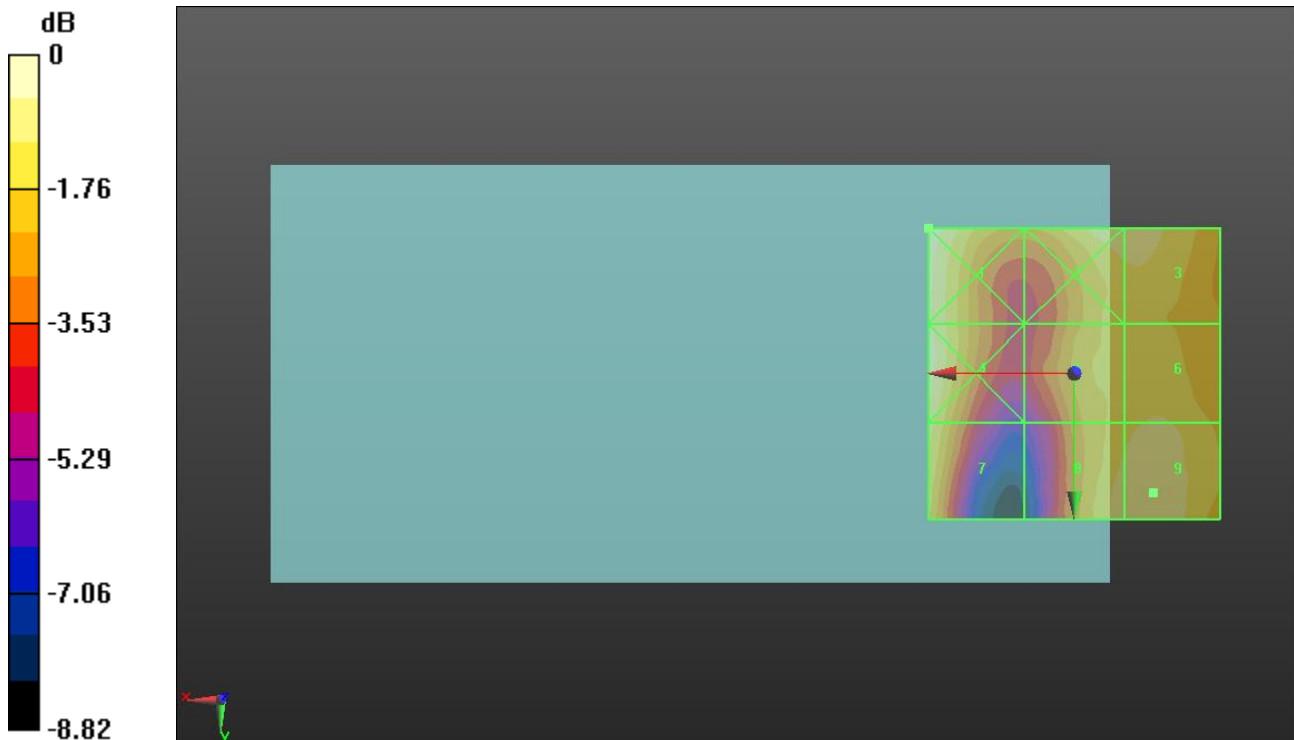
Applied MIF = -1.44 dB

RF audio interference level = 19.29 dBV/m

Emission category: **M4**

MIF scaled E-field

Grid 1 M4 19.9 dBV/m	Grid 2 M4 19.28 dBV/m	Grid 3 M4 19.28 dBV/m
Grid 4 M4 19.61 dBV/m	Grid 5 M4 18.49 dBV/m	Grid 6 M4 18.8 dBV/m
Grid 7 M4 19.07 dBV/m	Grid 8 M4 18.99 dBV/m	Grid 9 M4 19.29 dBV/m



0 dB = 9.885 V/m = 19.90 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 = 6.012 V/m; Power Drift = -0.05 dB

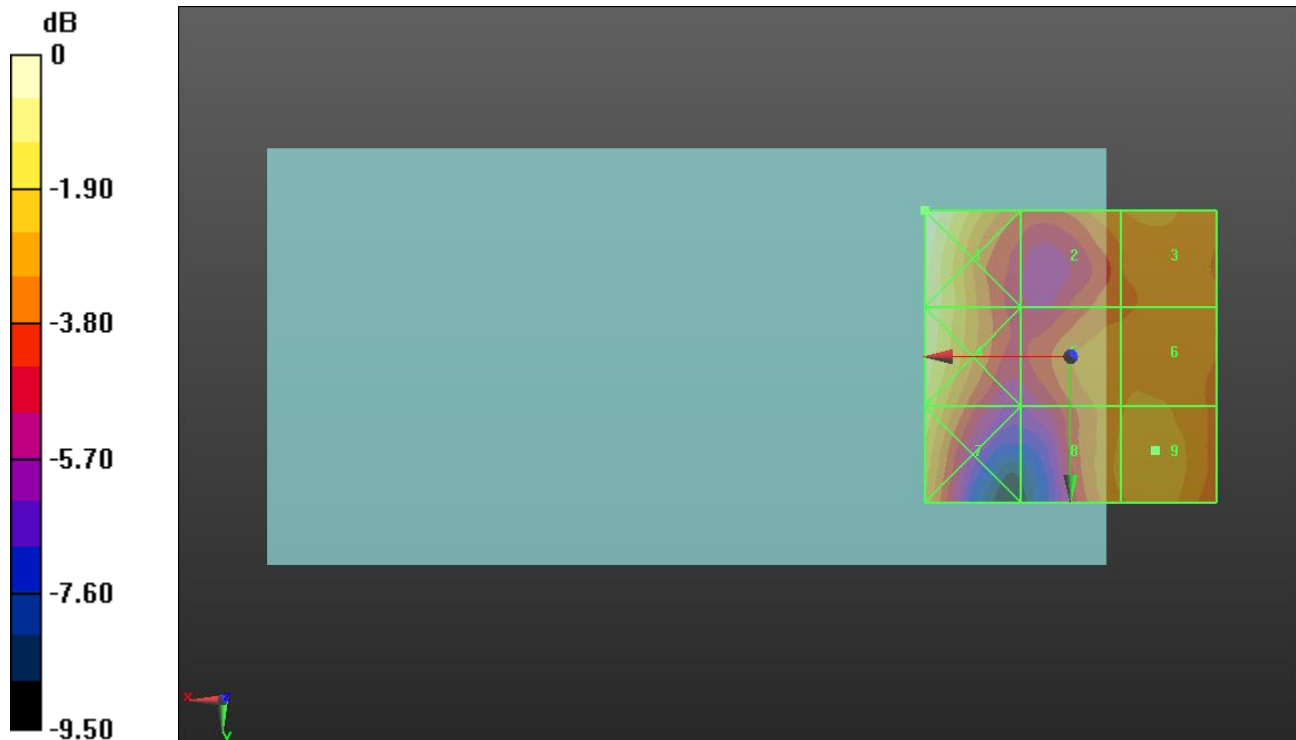
Applied MIF = -1.44 dB

RF audio interference level = 18.07 dBV/m

Emission category: **M4**

MIF scaled E-field

Grid 1 M4 20.06 dBV/m	Grid 2 M4 17.55 dBV/m	Grid 3 M4 17.87 dBV/m
Grid 4 M4 19.44 dBV/m	Grid 5 M4 17.47 dBV/m	Grid 6 M4 17.71 dBV/m
Grid 7 M4 18.75 dBV/m	Grid 8 M4 17.66 dBV/m	Grid 9 M4 18.07 dBV/m



0 dB = 10.07 V/m = 20.06 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 = 13.46 V/m; Power Drift = 0.04 dB

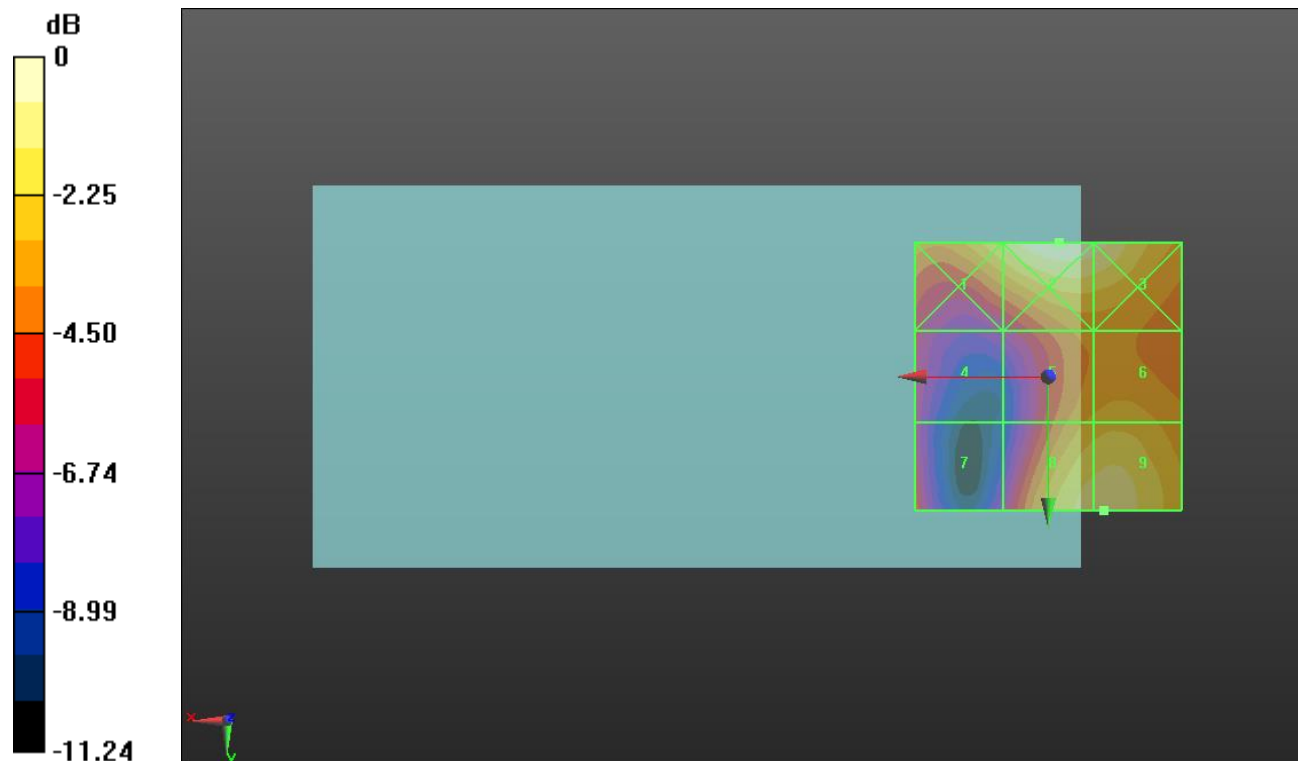
Applied MIF = -1.44 dB

RF audio interference level = 23.92 dBV/m

Emission category: **M4**

MIF scaled E-field

Grid 1 M4 23.68 dBV/m	Grid 2 M4 24.99 dBV/m	Grid 3 M4 24.62 dBV/m
Grid 4 M4 19.53 dBV/m	Grid 5 M4 22.26 dBV/m	Grid 6 M4 22.53 dBV/m
Grid 7 M4 20.64 dBV/m	Grid 8 M4 23.86 dBV/m	Grid 9 M4 23.92 dBV/m



0 dB = 17.77 V/m = 24.99 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 = 11.51 V/m; Power Drift = 0.03 dB

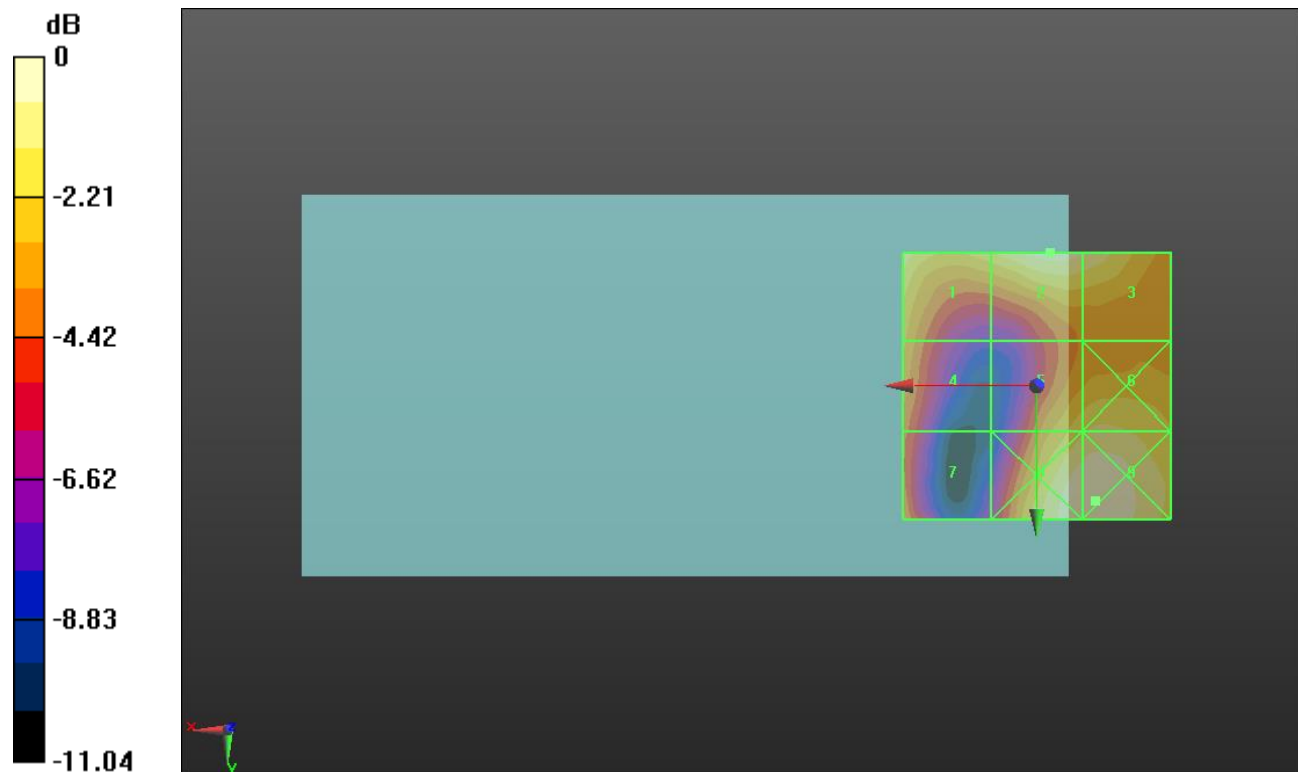
Applied MIF = -1.44 dB

RF audio interference level = 23.49 dBV/m

Emission category: **M4**

MIF scaled E-field

Grid 1 M4 22.9 dBV/m	Grid 2 M4 23.49 dBV/m	Grid 3 M4 23.18 dBV/m
Grid 4 M4 21.09 dBV/m	Grid 5 M4 22.23 dBV/m	Grid 6 M4 22.55 dBV/m
Grid 7 M4 20.78 dBV/m	Grid 8 M4 23.73 dBV/m	Grid 9 M4 23.82 dBV/m



0 dB = 15.53 V/m = 23.82 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 = 11.53 V/m; Power Drift = -0.06 dB

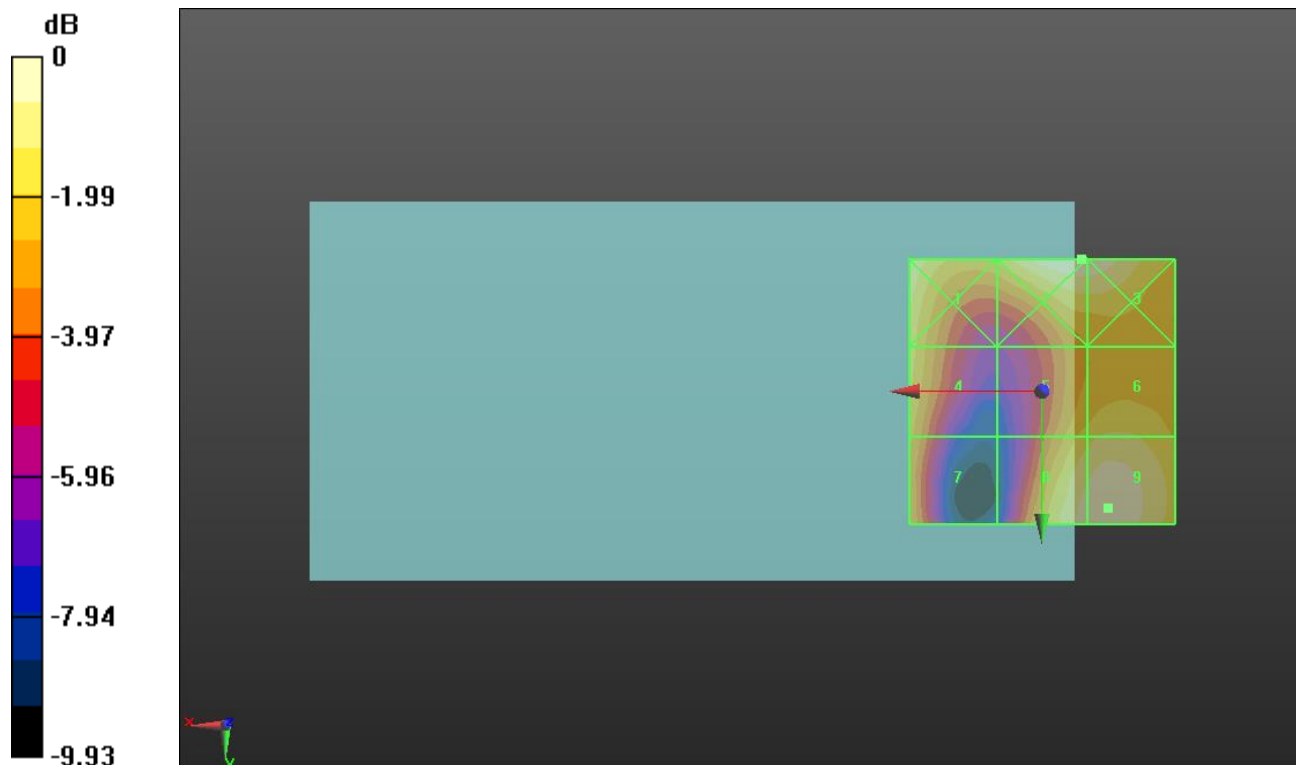
Applied MIF = -1.44 dB

RF audio interference level = 22.42 dBV/m

Emission category: **M4**

MIF scaled E-field

Grid 1 M4 22.21 dBV/m	Grid 2 M4 22.58 dBV/m	Grid 3 M4 22.56 dBV/m
Grid 4 M4 21.06 dBV/m	Grid 5 M4 20.96 dBV/m	Grid 6 M4 21.41 dBV/m
Grid 7 M4 20.27 dBV/m	Grid 8 M4 22.21 dBV/m	Grid 9 M4 22.42 dBV/m



0 dB = 13.46 V/m = 22.58 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 = 14.65 V/m; Power Drift = -0.04 dB

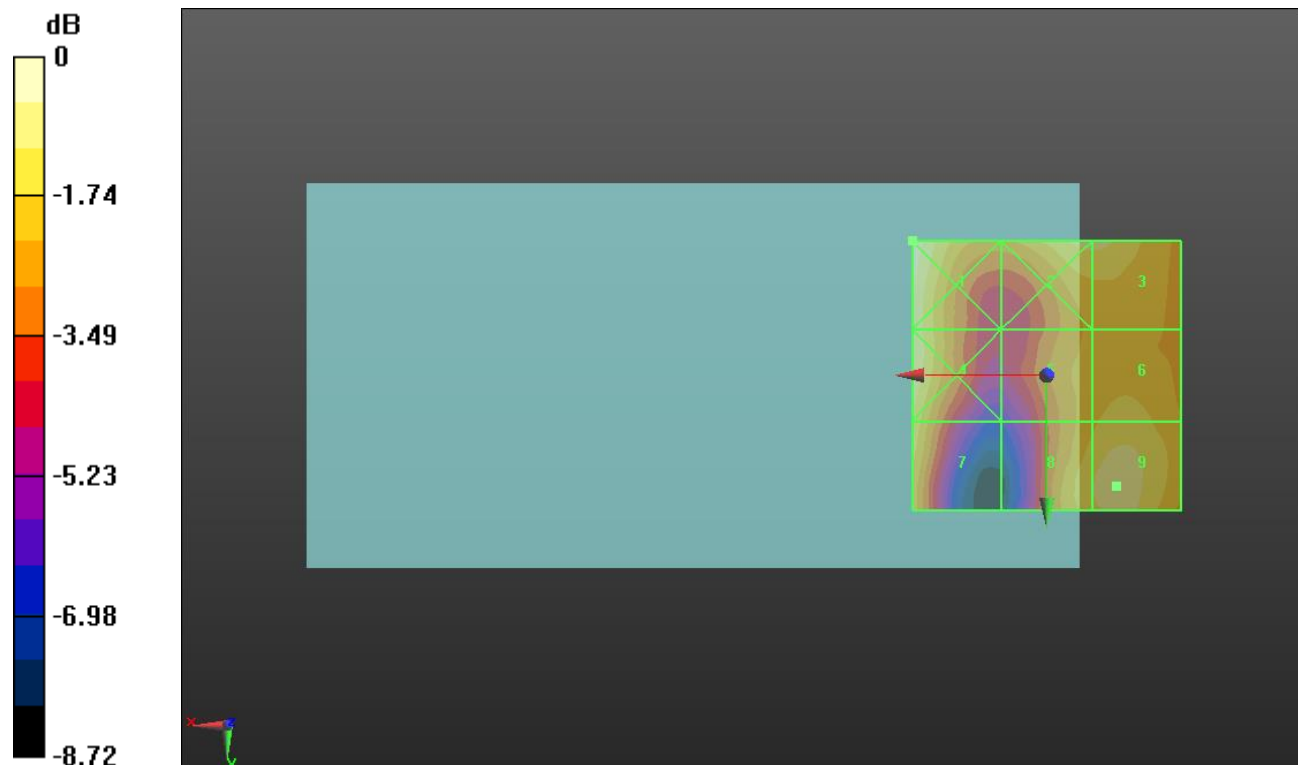
Applied MIF = -1.44 dB

RF audio interference level = 21.20 dBV/m

Emission category: **M4**

MIF scaled E-field

Grid 1 M4 22.06 dBV/m	Grid 2 M4 21.1 dBV/m	Grid 3 M4 21.1 dBV/m
Grid 4 M4 21.56 dBV/m	Grid 5 M4 20.2 dBV/m	Grid 6 M4 20.62 dBV/m
Grid 7 M4 20.91 dBV/m	Grid 8 M4 20.88 dBV/m	Grid 9 M4 21.2 dBV/m



0 dB = 12.68 V/m = 22.06 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 = 16.00 V/m; Power Drift = -0.11 dB

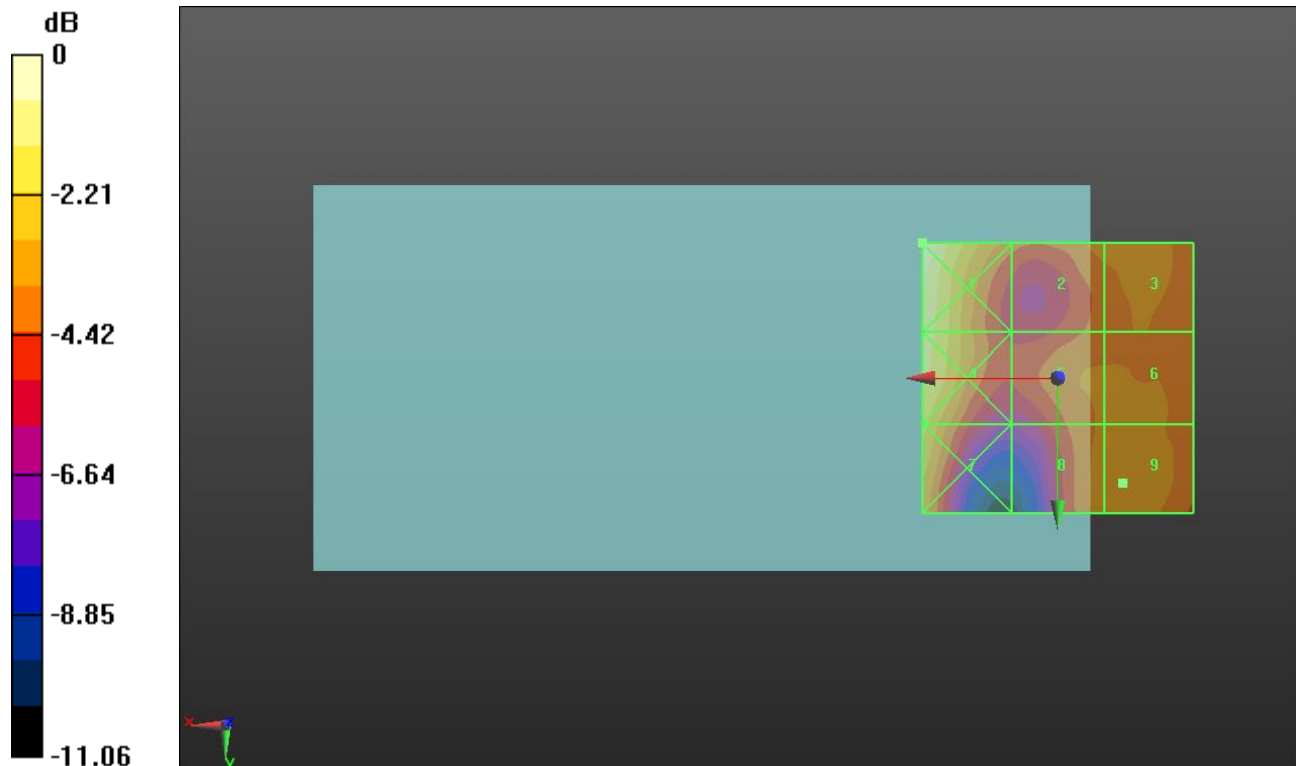
Applied MIF = -1.44 dB

RF audio interference level = 19.53 dBV/m

Emission category: **M4**

MIF scaled E-field

Grid 1 M4 22.47 dBV/m	Grid 2 M4 19.34 dBV/m	Grid 3 M4 19.49 dBV/m
Grid 4 M4 21.49 dBV/m	Grid 5 M4 18.95 dBV/m	Grid 6 M4 19.25 dBV/m
Grid 7 M4 20.58 dBV/m	Grid 8 M4 19.26 dBV/m	Grid 9 M4 19.53 dBV/m



0 dB = 13.30 V/m = 22.48 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 = 26.81 V/m; Power Drift = -0.04 dB

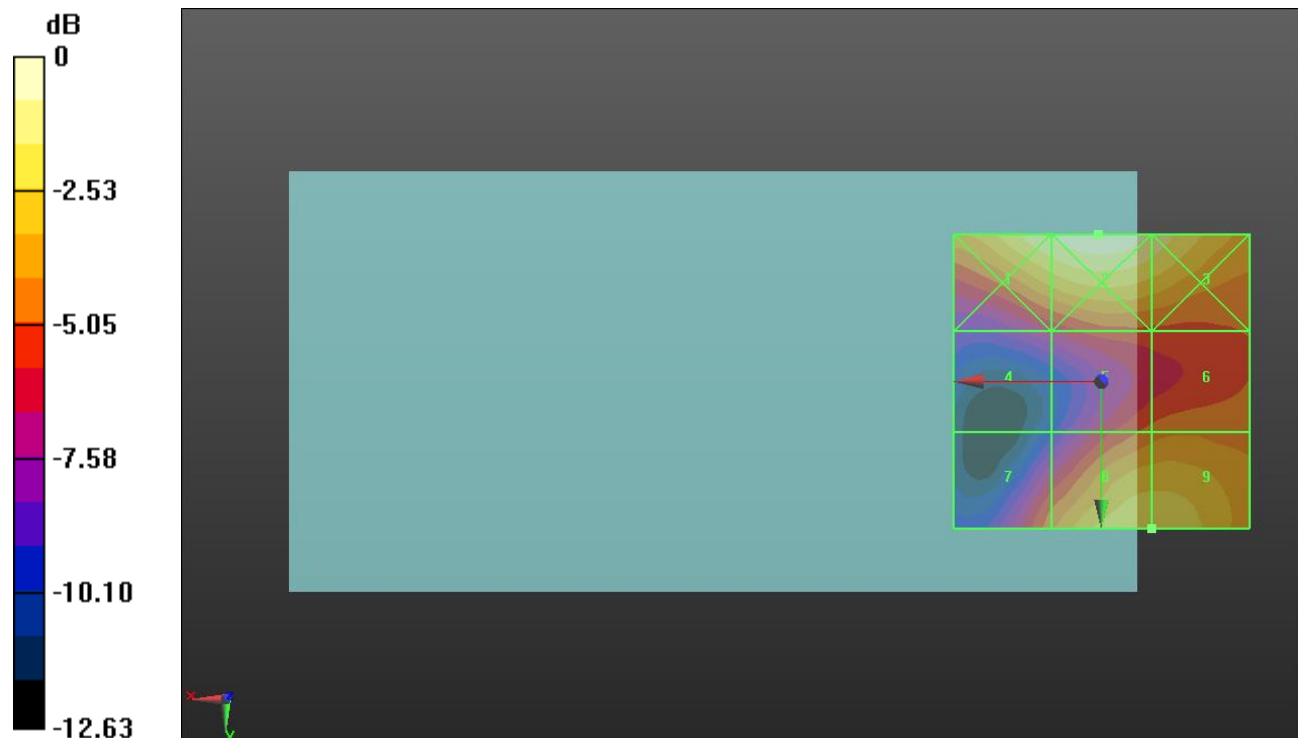
Applied MIF = -2.02 dB

RF audio interference level = 24.89 dBV/m

Emission category: **M4**

MIF scaled E-field

Grid 1 M4 25.94 dBV/m	Grid 2 M4 26.66 dBV/m	Grid 3 M4 25.68 dBV/m
Grid 4 M4 20.01 dBV/m	Grid 5 M4 22 dBV/m	Grid 6 M4 22.35 dBV/m
Grid 7 M4 22.26 dBV/m	Grid 8 M4 24.89 dBV/m	Grid 9 M4 24.89 dBV/m



0 dB = 21.53 V/m = 26.66 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 = 14.37 V/m; Power Drift = -0.14 dB

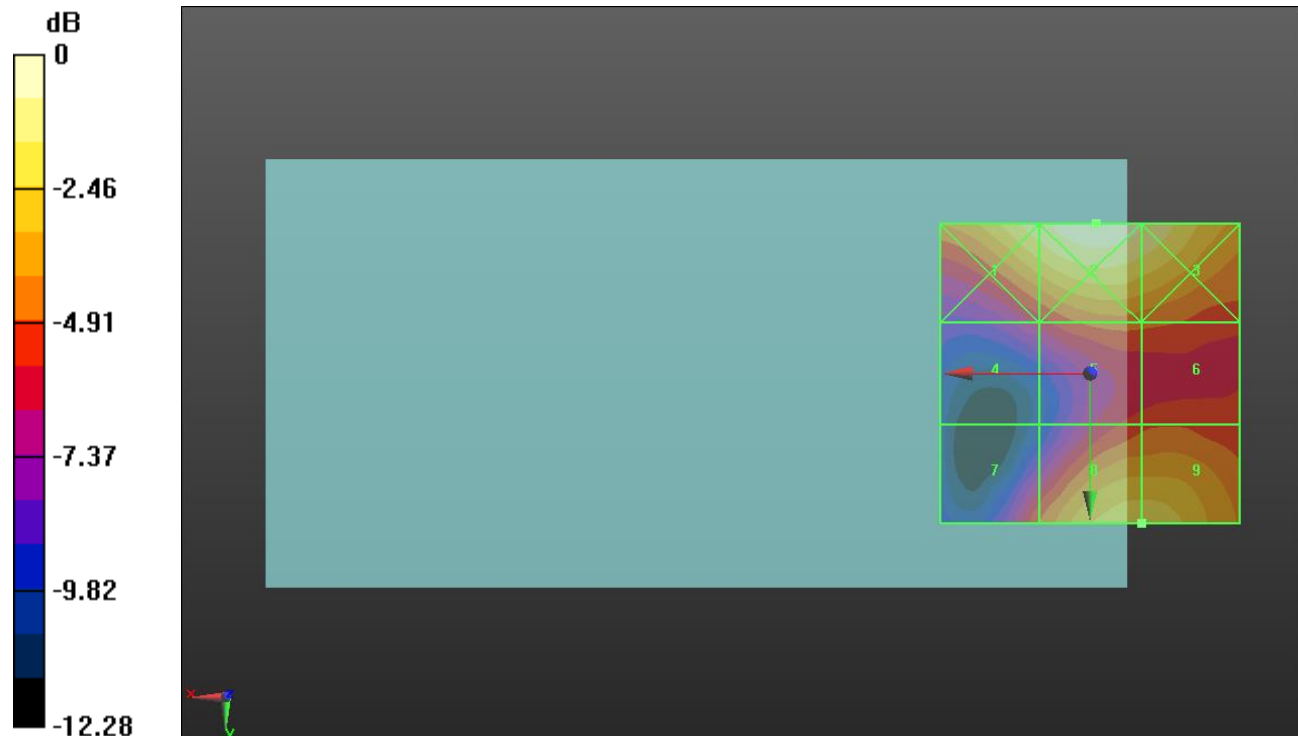
Applied MIF = -2.02 dB

RF audio interference level = 24.71 dBV/m

Emission category: **M4**

MIF scaled E-field

Grid 1 M4 25.61 dBV/m	Grid 2 M4 26.65 dBV/m	Grid 3 M4 25.97 dBV/m
Grid 4 M4 20.46 dBV/m	Grid 5 M4 22.2 dBV/m	Grid 6 M4 22.05 dBV/m
Grid 7 M4 21.81 dBV/m	Grid 8 M4 24.71 dBV/m	Grid 9 M4 24.71 dBV/m



0 dB = 21.51 V/m = 26.65 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 = 23.86 V/m; Power Drift = 0.03 dB

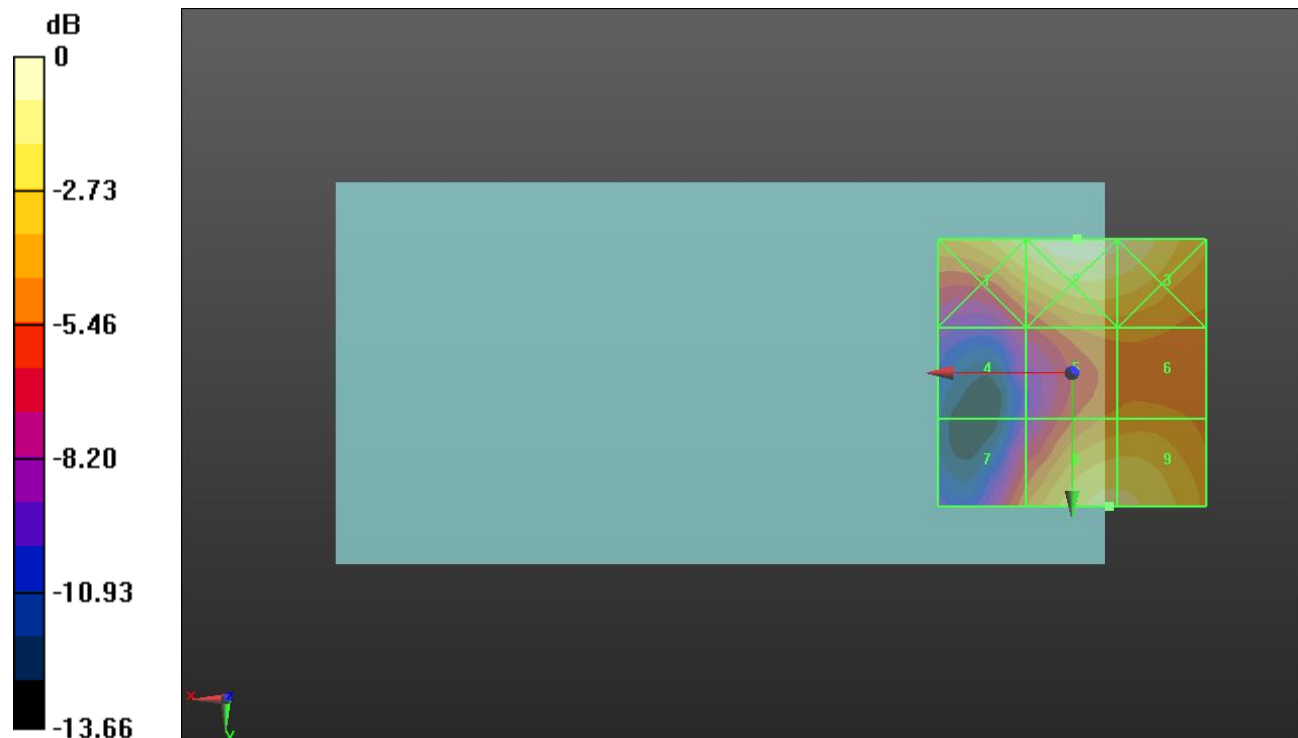
Applied MIF = -2.02 dB

RF audio interference level = 24.12 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 24.43 dBV/m	Grid 2 M4 25.62 dBV/m	Grid 3 M4 25.08 dBV/m
Grid 4 M4 19.04 dBV/m	Grid 5 M4 21.56 dBV/m	Grid 6 M4 21.57 dBV/m
Grid 7 M4 21.07 dBV/m	Grid 8 M4 24.12 dBV/m	Grid 9 M4 24.1 dBV/m



0 dB = 19.09 V/m = 25.62 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 = 8.350 V/m; Power Drift = -0.07 dB

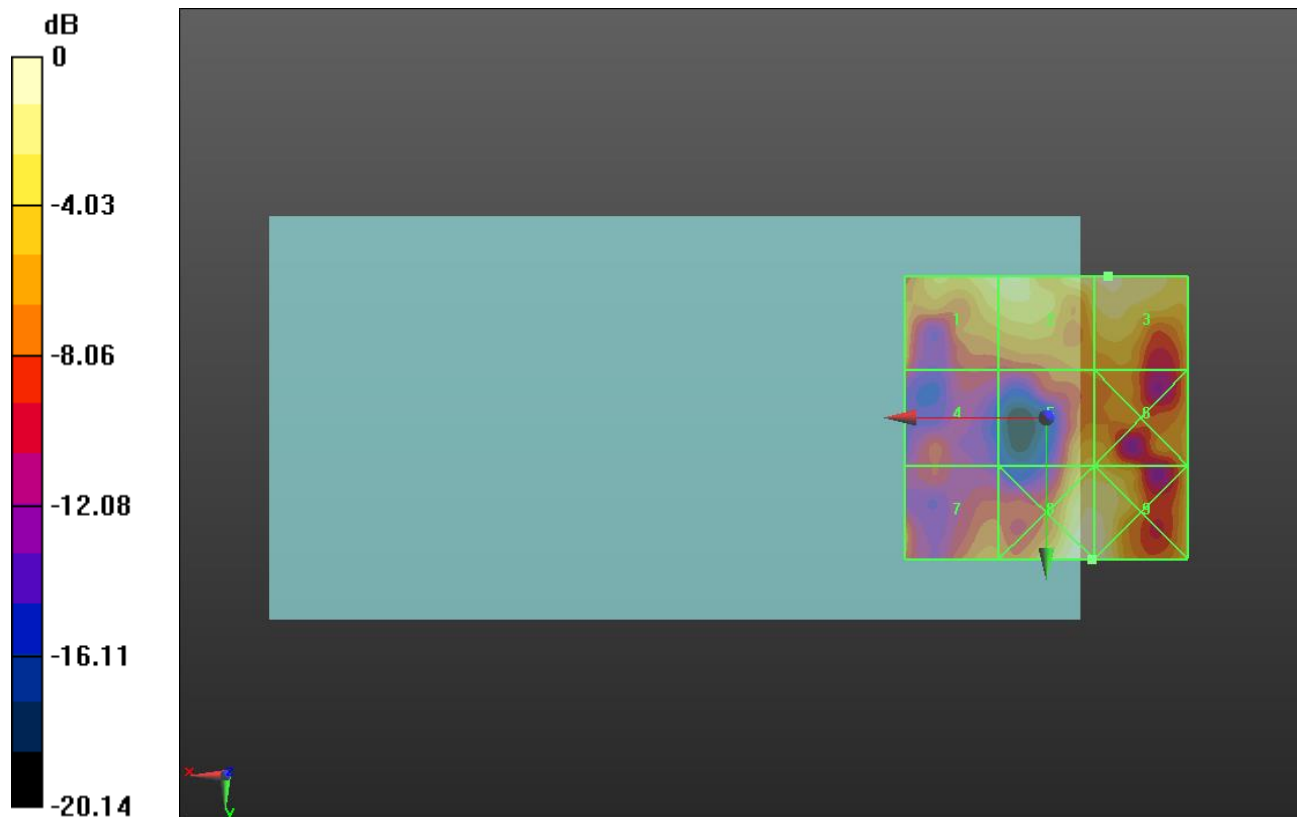
Applied MIF = 0.12 dB

RF audio interference level = 26.37 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 25.43 dBV/m	Grid 2 M4 26.21 dBV/m	Grid 3 M4 26.37 dBV/m
Grid 4 M4 18.86 dBV/m	Grid 5 M4 23.71 dBV/m	Grid 6 M4 23.54 dBV/m
Grid 7 M4 21.68 dBV/m	Grid 8 M4 27.17 dBV/m	Grid 9 M4 27.06 dBV/m



0 dB = 22.82 V/m = 27.17 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 = 7.868 V/m; Power Drift = 0.07 dB

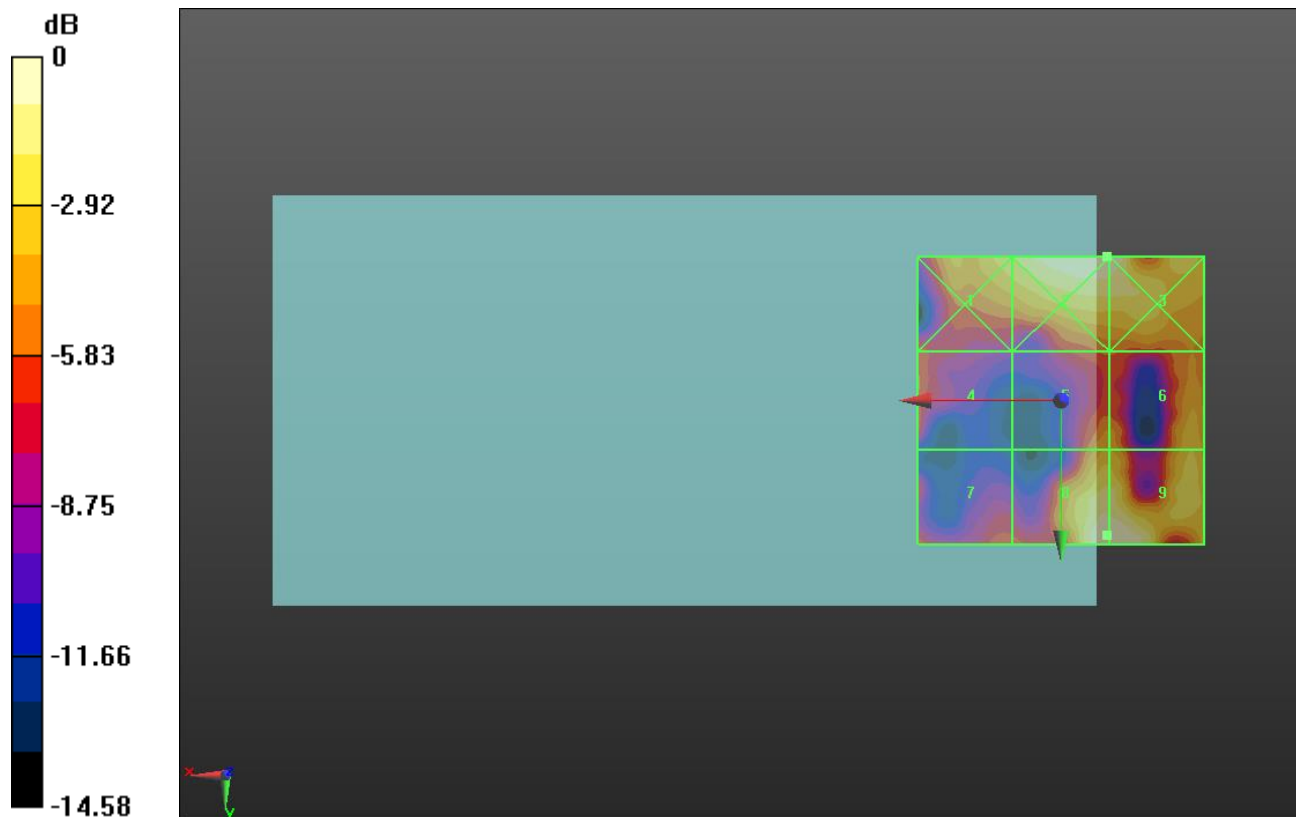
Applied MIF = 0.12 dB

RF audio interference level = 26.33 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 24.73 dBV/m	Grid 2 M4 26.52 dBV/m	Grid 3 M4 26.51 dBV/m
Grid 4 M4 21.09 dBV/m	Grid 5 M4 22.74 dBV/m	Grid 6 M4 23.59 dBV/m
Grid 7 M4 21.06 dBV/m	Grid 8 M4 26.33 dBV/m	Grid 9 M4 26.31 dBV/m



0 dB = 21.18 V/m = 26.52 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 = 8.811 V/m; Power Drift = -0.18 dB

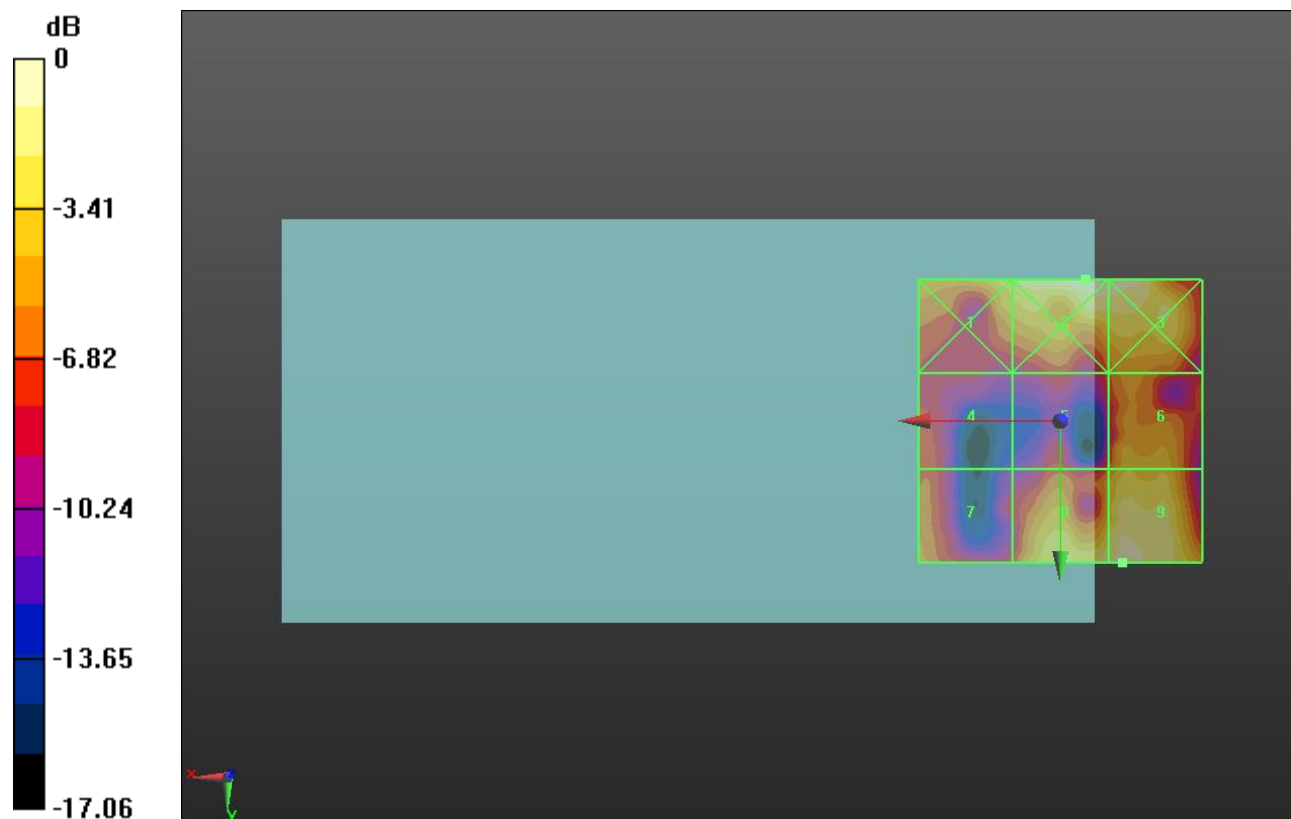
Applied MIF = 0.12 dB

RF audio interference level = 26.49 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 24.99 dBV/m	Grid 2 M4 27.23 dBV/m	Grid 3 M4 26.79 dBV/m
Grid 4 M4 20.33 dBV/m	Grid 5 M4 20.65 dBV/m	Grid 6 M4 23.8 dBV/m
Grid 7 M4 22.26 dBV/m	Grid 8 M4 26.09 dBV/m	Grid 9 M4 26.49 dBV/m



0 dB = 22.99 V/m = 27.23 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 = 13.31 V/m; Power Drift = -0.01 dB

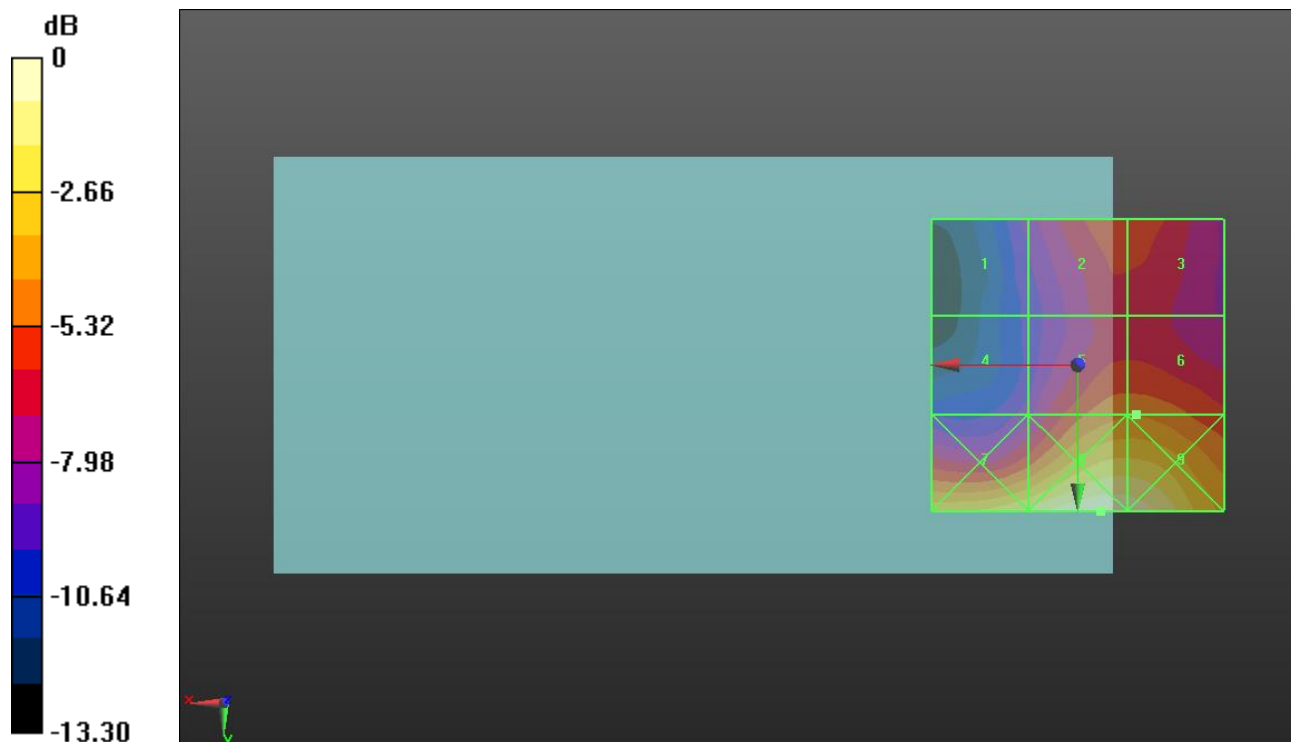
Applied MIF = 3.63 dB

RF audio interference level = 25.54 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 21.68 dBV/m	Grid 2 M4 24.46 dBV/m	Grid 3 M4 24.39 dBV/m
Grid 4 M4 21.79 dBV/m	Grid 5 M4 25.52 dBV/m	Grid 6 M4 25.54 dBV/m
Grid 7 M4 28.64 dBV/m	Grid 8 M3 30.04 dBV/m	Grid 9 M4 29.78 dBV/m



0 dB = 31.76 V/m = 30.04 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 = 14.53 V/m; Power Drift = -0.11 dB

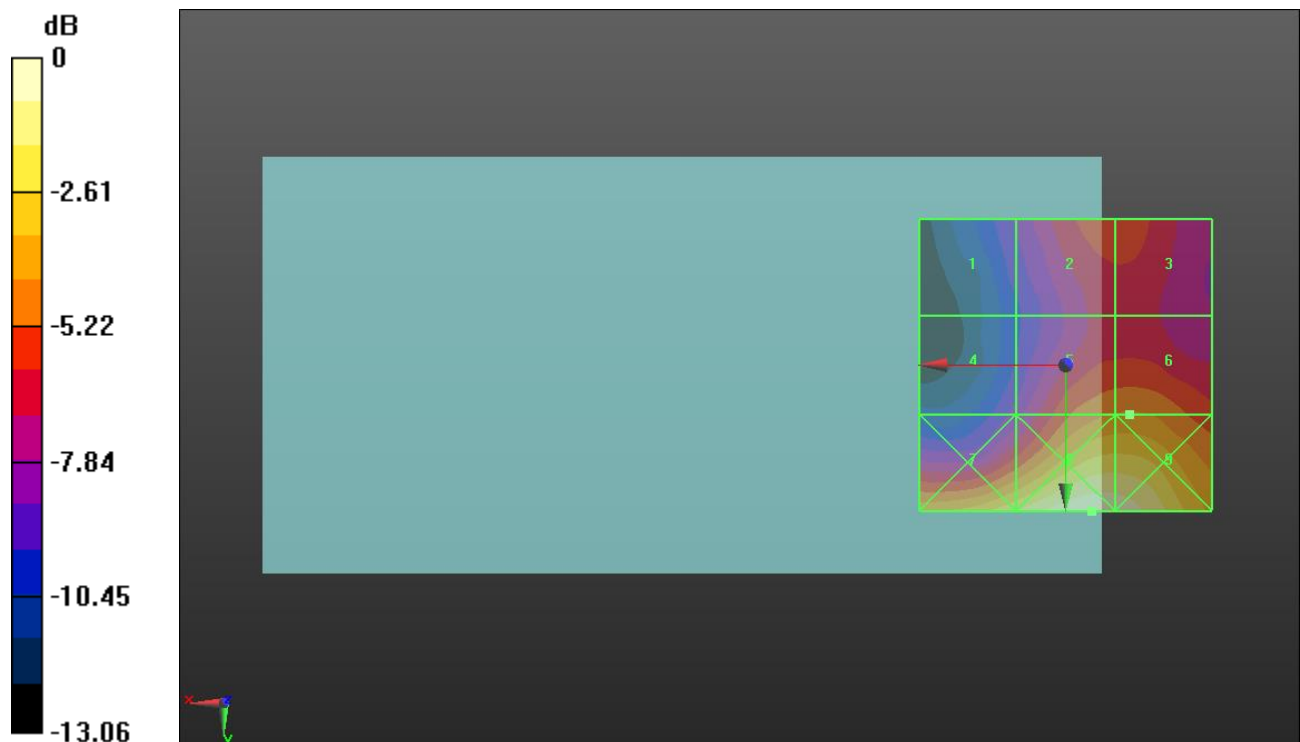
Applied MIF = 3.63 dB

RF audio interference level = 26.63 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 22.36 dBV/m	Grid 2 M4 25.28 dBV/m	Grid 3 M4 25.28 dBV/m
Grid 4 M4 22.62 dBV/m	Grid 5 M4 26.58 dBV/m	Grid 6 M4 26.63 dBV/m
Grid 7 M4 29.13 dBV/m	Grid 8 M3 30.85 dBV/m	Grid 9 M3 30.64 dBV/m



0 dB = 34.87 V/m = 30.85 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 = 16.92 V/m; Power Drift = -0.10 dB

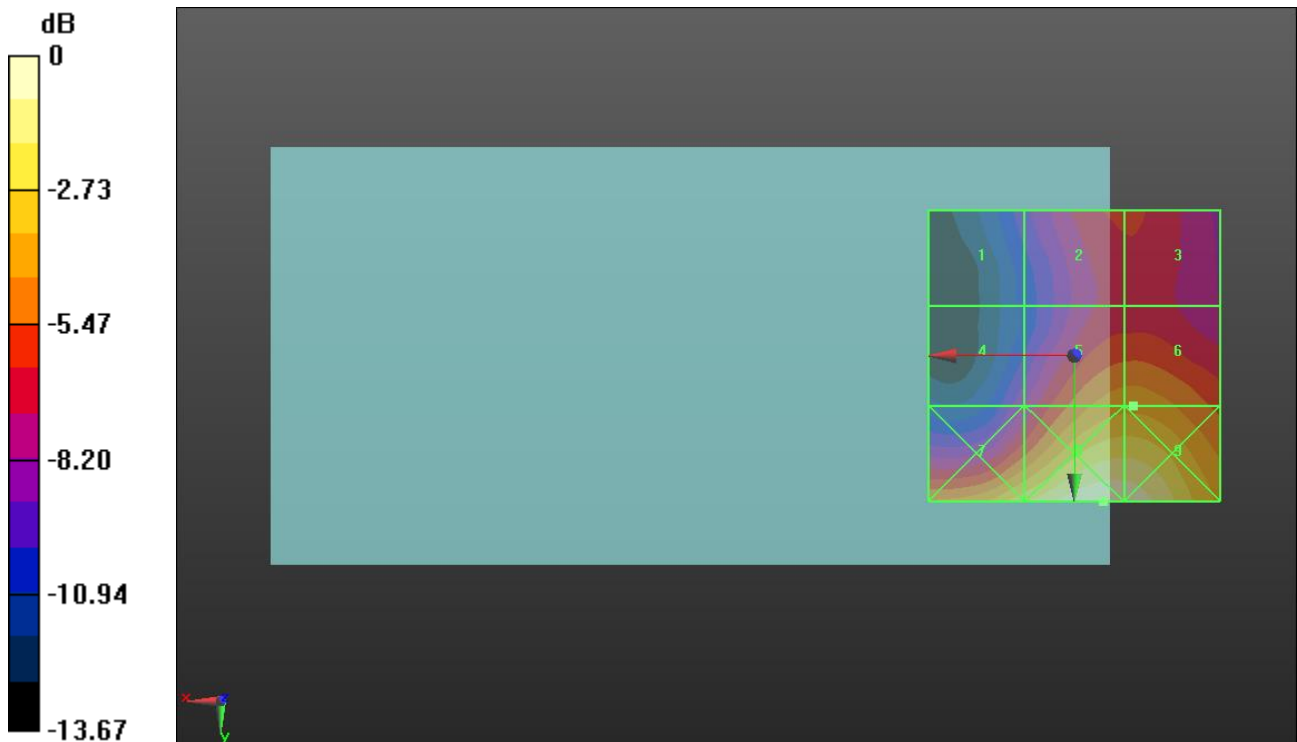
Applied MIF = 3.63 dB

RF audio interference level = 28.11 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 22.64 dBV/m	Grid 2 M4 25.84 dBV/m	Grid 3 M4 25.84 dBV/m
Grid 4 M4 23.91 dBV/m	Grid 5 M4 28.1 dBV/m	Grid 6 M4 28.11 dBV/m
Grid 7 M3 30.06 dBV/m	Grid 8 M3 32.02 dBV/m	Grid 9 M3 31.86 dBV/m



0 dB = 39.91 V/m = 32.02 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 = 26.28 V/m; Power Drift = -0.08 dB

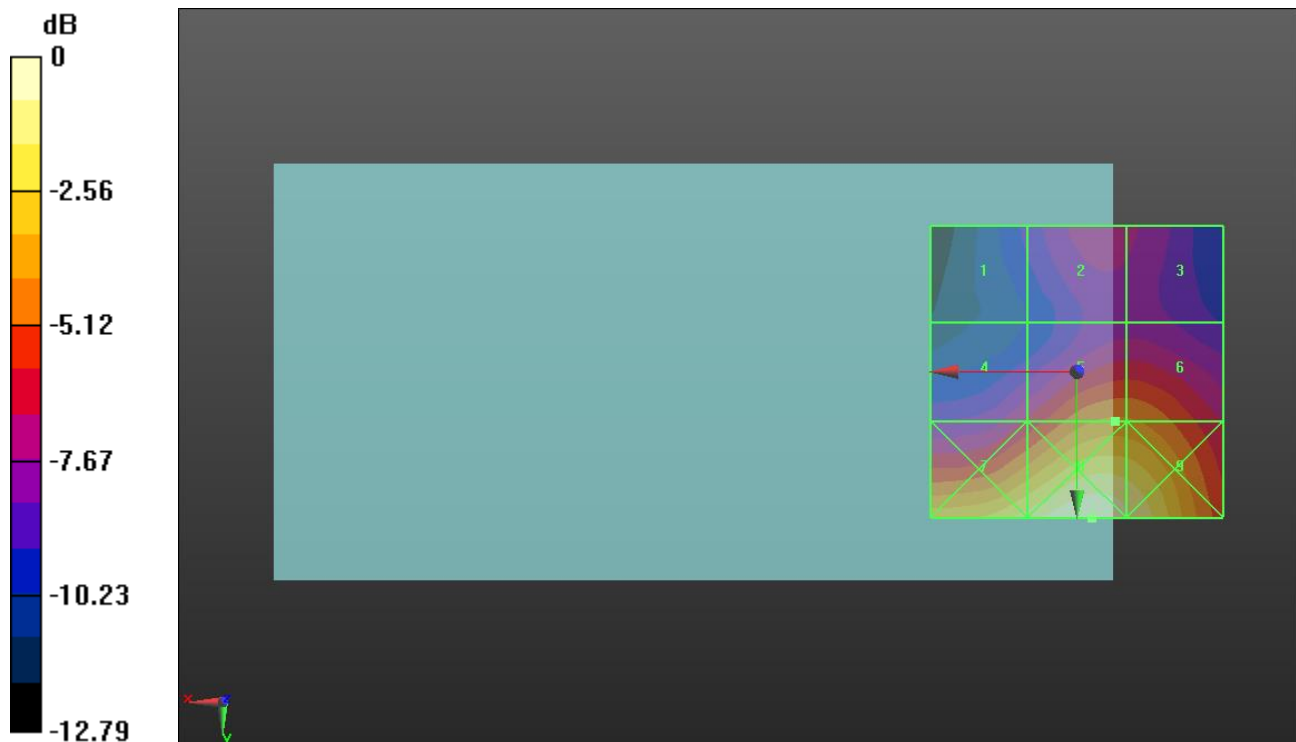
Applied MIF = -1.44 dB

RF audio interference level = 27.55 dBV/m

Emission category: **M4**

MIF scaled E-field

Grid 1 M4 22.54 dBV/m	Grid 2 M4 24.37 dBV/m	Grid 3 M4 24.16 dBV/m
Grid 4 M4 24.98 dBV/m	Grid 5 M4 27.55 dBV/m	Grid 6 M4 27.49 dBV/m
Grid 7 M3 30.32 dBV/m	Grid 8 M3 31.59 dBV/m	Grid 9 M3 30.91 dBV/m



0 dB = 37.97 V/m = 31.59 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 = 31.20 V/m; Power Drift = 0.06 dB

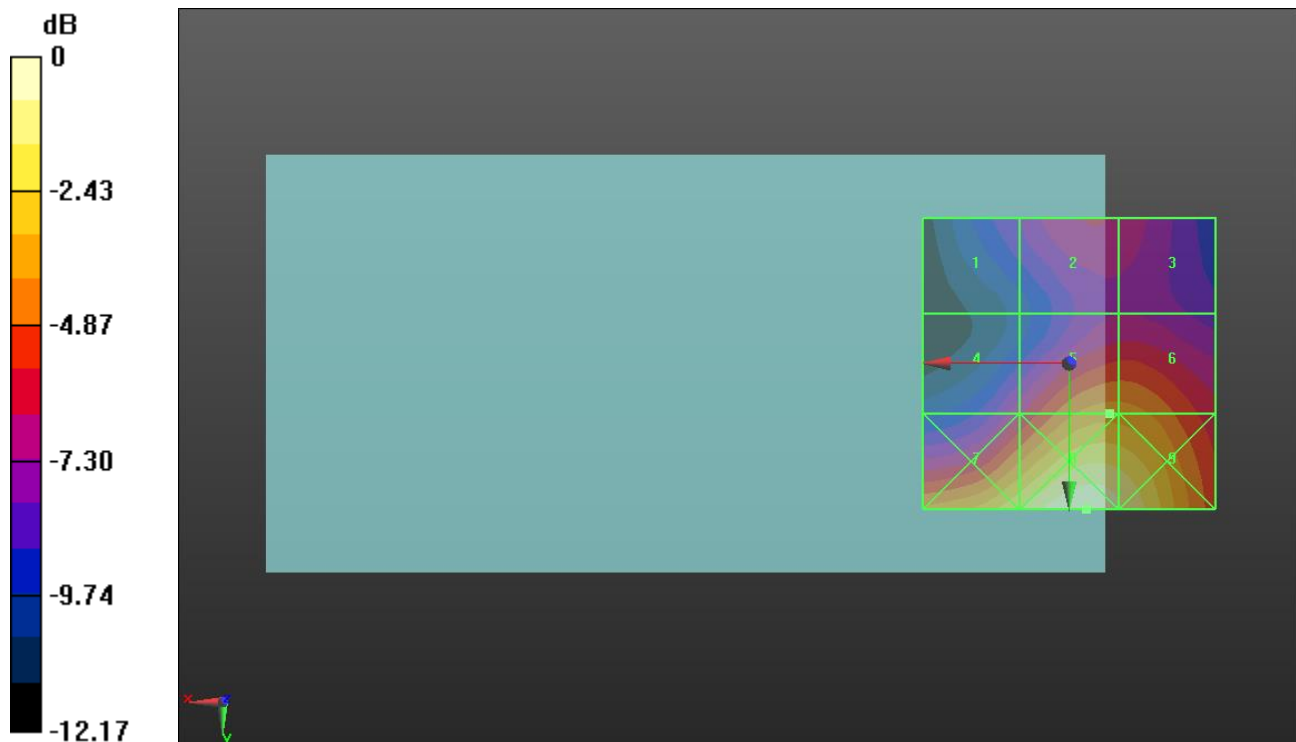
Applied MIF = -1.44 dB

RF audio interference level = 28.66 dBV/m

Emission category: **M4**

MIF scaled E-field

Grid 1 M4 24.3 dBV/m	Grid 2 M4 25.88 dBV/m	Grid 3 M4 25.61 dBV/m
Grid 4 M4 25.61 dBV/m	Grid 5 M4 28.66 dBV/m	Grid 6 M4 28.62 dBV/m
Grid 7 M3 30.7 dBV/m	Grid 8 M3 32.25 dBV/m	Grid 9 M3 31.61 dBV/m



0 dB = 40.99 V/m = 32.25 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 = 20.94 V/m; Power Drift = -0.18 dB

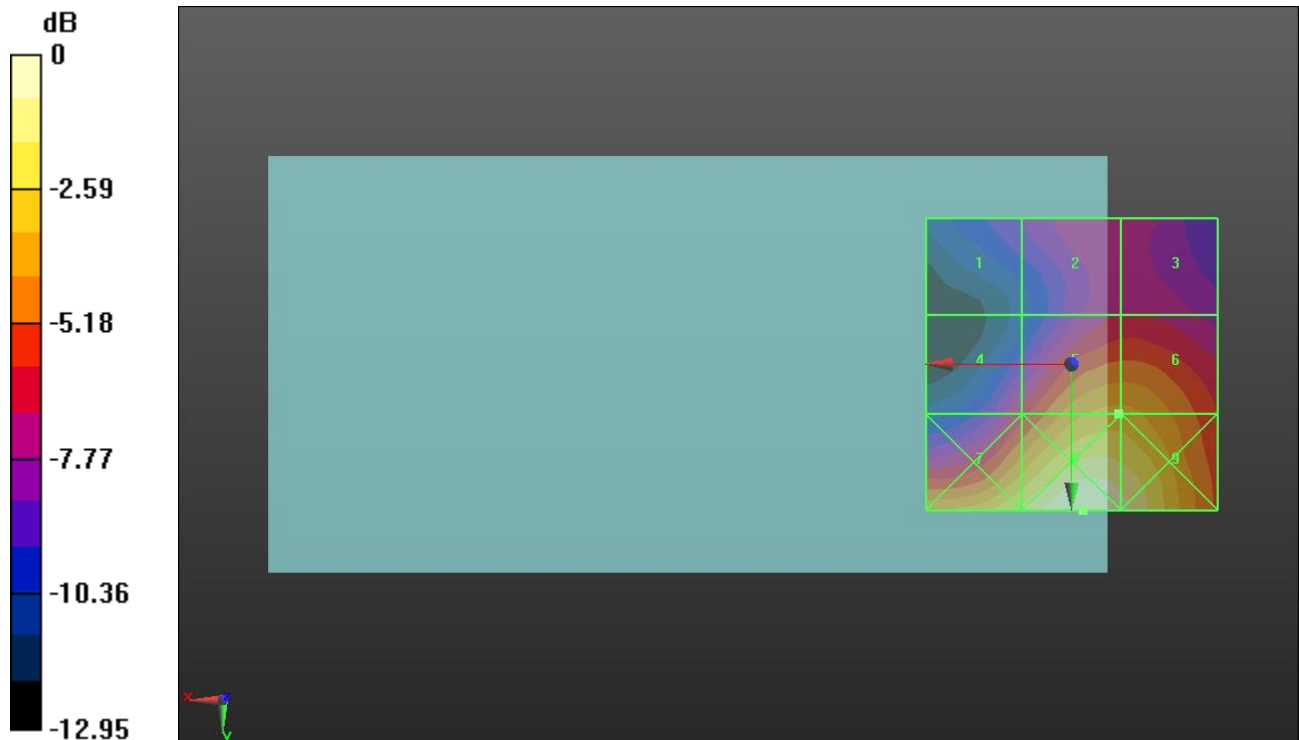
Applied MIF = -1.44 dB

RF audio interference level = 27.96 dBV/m

Emission category: **M4**

MIF scaled E-field

Grid 1 M4 22.61 dBV/m	Grid 2 M4 24.21 dBV/m	Grid 3 M4 24.26 dBV/m
Grid 4 M4 24.66 dBV/m	Grid 5 M4 27.96 dBV/m	Grid 6 M4 27.96 dBV/m
Grid 7 M4 29.74 dBV/m	Grid 8 M3 31.1 dBV/m	Grid 9 M3 30.55 dBV/m



0 dB = 35.88 V/m = 31.10 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 = 33.64 V/m; Power Drift = -0.15 dB

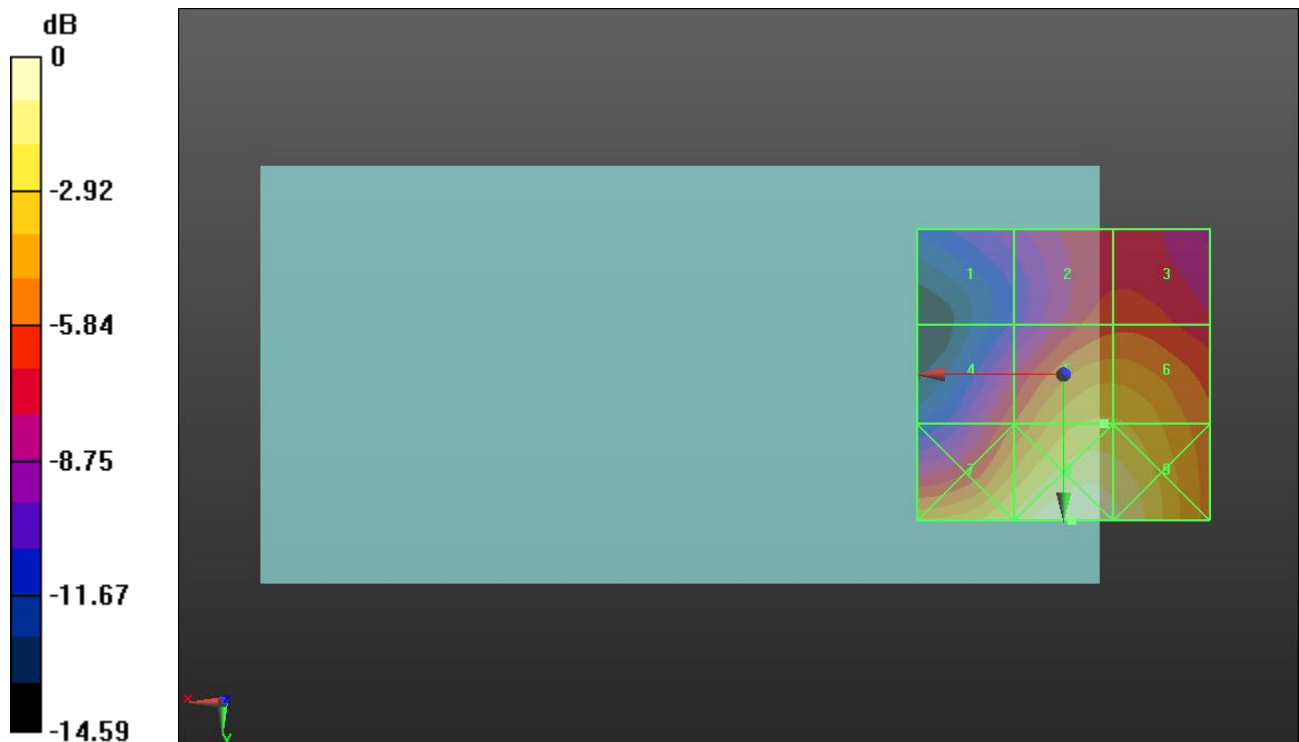
Applied MIF = -1.44 dB

RF audio interference level = 28.36 dBV/m

Emission category: **M4**

MIF scaled E-field

Grid 1 M4 22.02 dBV/m	Grid 2 M4 24.98 dBV/m	Grid 3 M4 25.04 dBV/m
Grid 4 M4 25.26 dBV/m	Grid 5 M4 28.36 dBV/m	Grid 6 M4 28.32 dBV/m
Grid 7 M4 29.59 dBV/m	Grid 8 M3 31.06 dBV/m	Grid 9 M3 30.39 dBV/m



0 dB = 35.75 V/m = 31.07 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 = 38.73 V/m; Power Drift = 0.00 dB

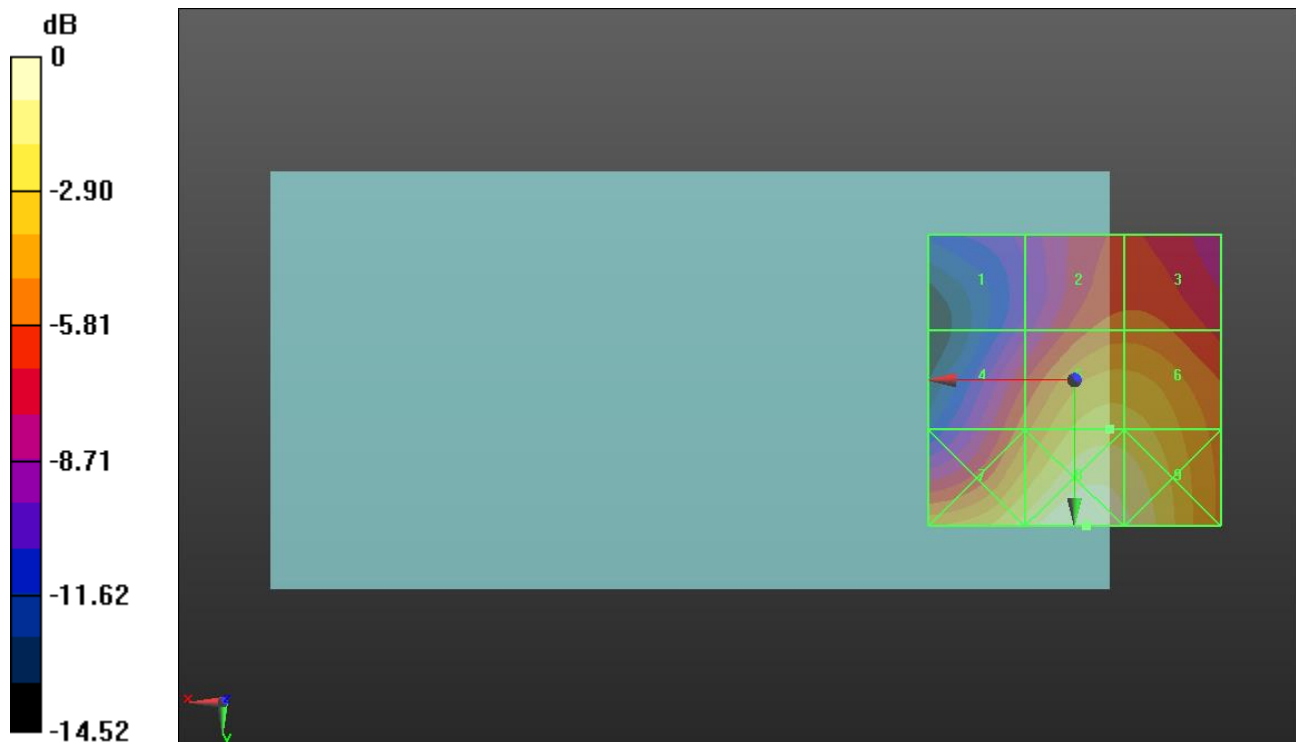
Applied MIF = -1.44 dB

RF audio interference level = 29.04 dBV/m

Emission category: **M4**

MIF scaled E-field

Grid 1 M4 22.18 dBV/m	Grid 2 M4 26.05 dBV/m	Grid 3 M4 26.05 dBV/m
Grid 4 M4 26.14 dBV/m	Grid 5 M4 29.04 dBV/m	Grid 6 M4 28.96 dBV/m
Grid 7 M4 29.91 dBV/m	Grid 8 M3 31.31 dBV/m	Grid 9 M3 30.66 dBV/m



0 dB = 36.78 V/m = 31.31 dBV/m

HAC-RF Emission ANT 4

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 = 48.13 V/m; Power Drift = 0.07 dB

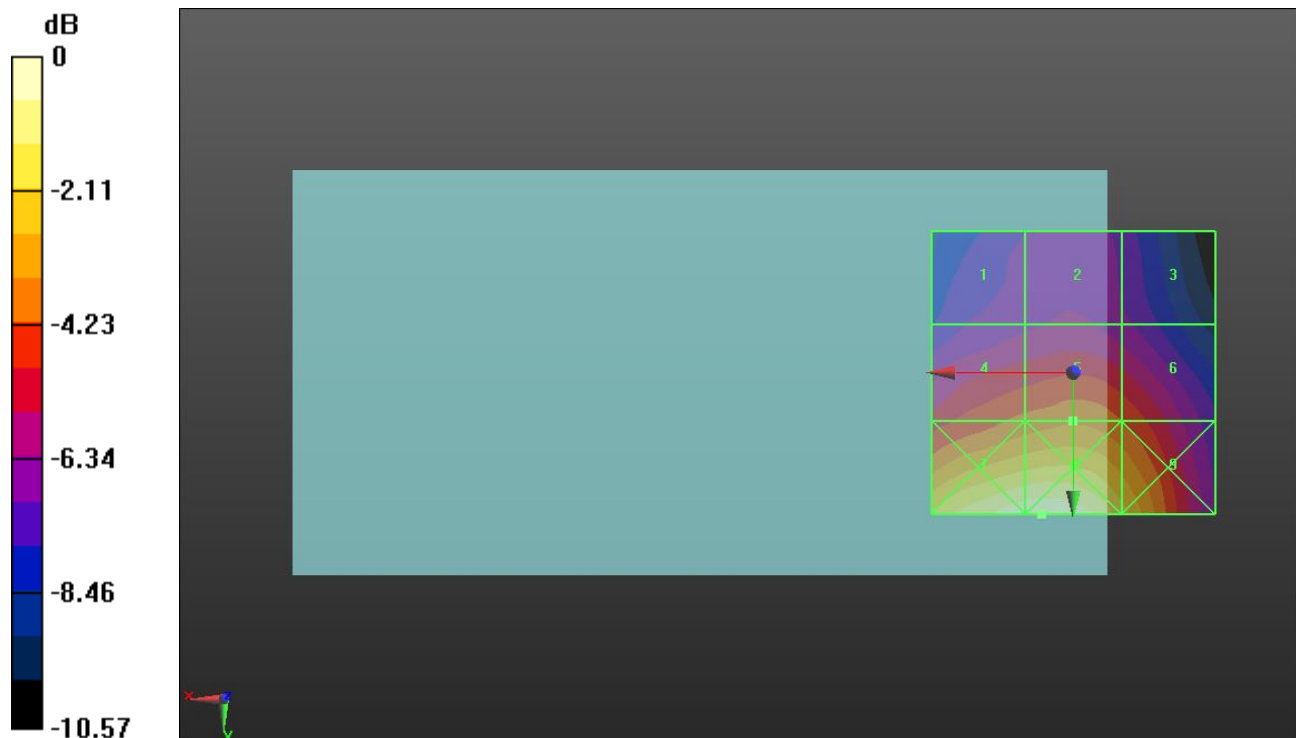
Applied MIF = -2.02 dB

RF audio interference level = 30.34 dBV/m

Emission category: **M3**

MIF scaled E-field

Grid 1 M4 27.5 dBV/m	Grid 2 M4 27.79 dBV/m	Grid 3 M4 27.2 dBV/m
Grid 4 M4 29.98 dBV/m	Grid 5 M3 30.34 dBV/m	Grid 6 M4 29.76 dBV/m
Grid 7 M3 33.86 dBV/m	Grid 8 M3 33.96 dBV/m	Grid 9 M3 32.18 dBV/m



0 dB = 49.88 V/m = 33.96 dBV/m

HAC-RF Emission ANT 4

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 = 49.50 V/m; Power Drift = -0.00 dB

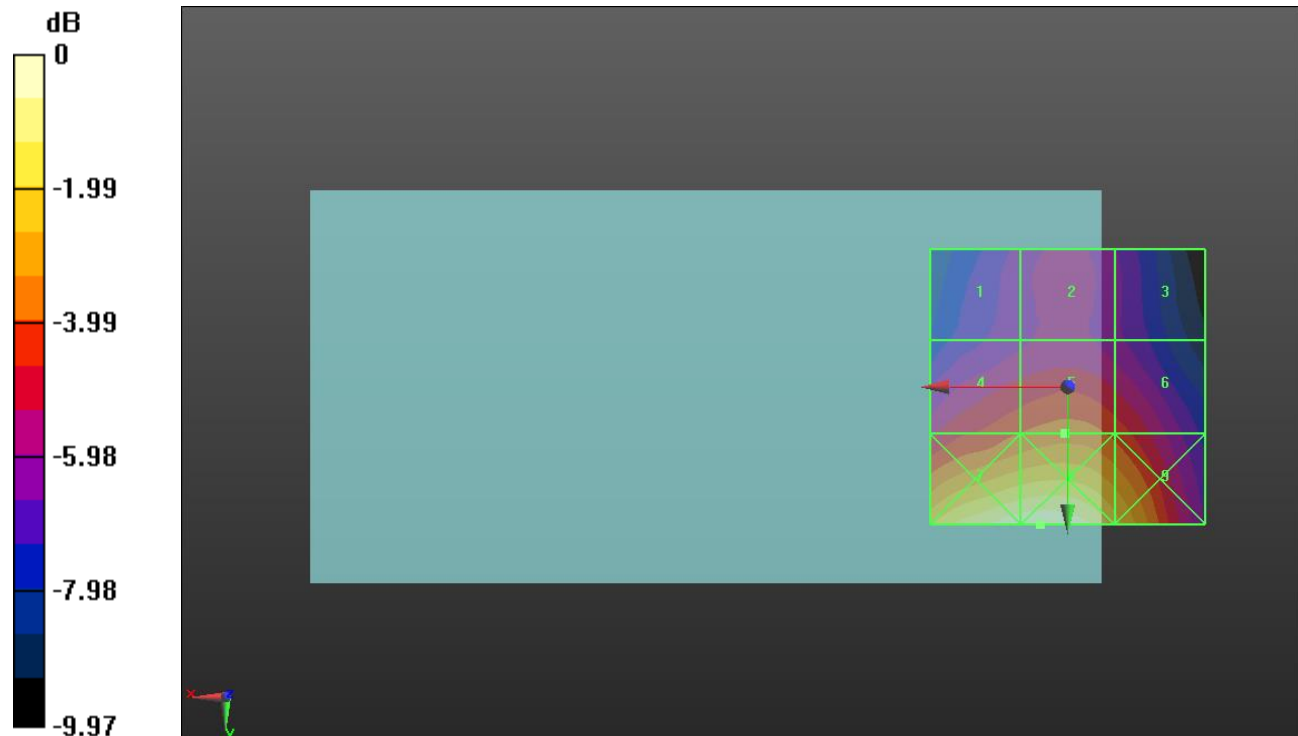
Applied MIF = -2.02 dB

RF audio interference level = 30.21 dBV/m

Emission category: **M3**

MIF scaled E-field

Grid 1 M4 27.72 dBV/m	Grid 2 M4 28.15 dBV/m	Grid 3 M4 27.46 dBV/m
Grid 4 M4 29.87 dBV/m	Grid 5 M3 30.21 dBV/m	Grid 6 M4 29.64 dBV/m
Grid 7 M3 33.69 dBV/m	Grid 8 M3 33.81 dBV/m	Grid 9 M3 32.16 dBV/m



0 dB = 49.04 V/m = 33.81 dBV/m

HAC-RF Emission ANT 4

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 = 50.94 V/m; Power Drift = -0.06 dB

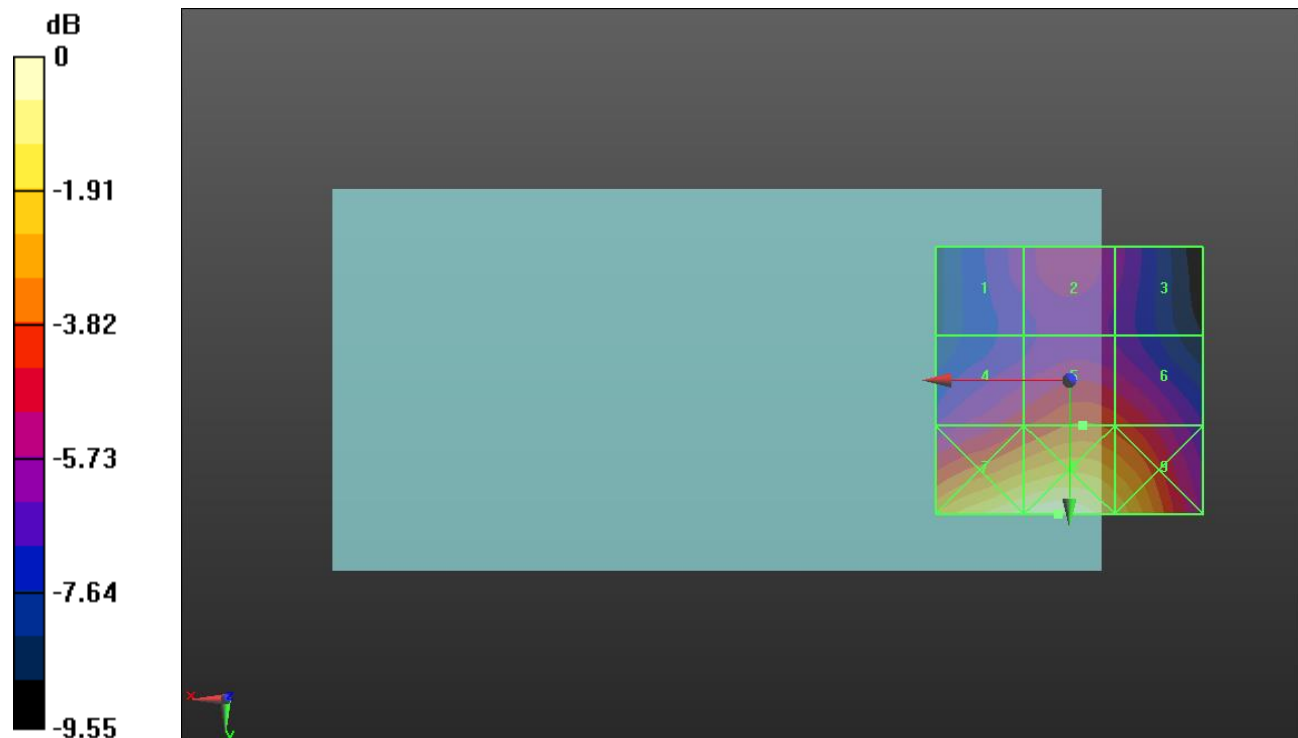
Applied MIF = -2.02 dB

RF audio interference level = 30.53 dBV/m

Emission category: **M3**

MIF scaled E-field

Grid 1 M4 28.28 dBV/m	Grid 2 M4 28.87 dBV/m	Grid 3 M4 28.22 dBV/m
Grid 4 M4 29.7 dBV/m	Grid 5 M3 30.53 dBV/m	Grid 6 M3 30.2 dBV/m
Grid 7 M3 33.88 dBV/m	Grid 8 M3 34.23 dBV/m	Grid 9 M3 32.93 dBV/m



0 dB = 51.47 V/m = 34.23 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 = 45.13 V/m; Power Drift = 0.09 dB

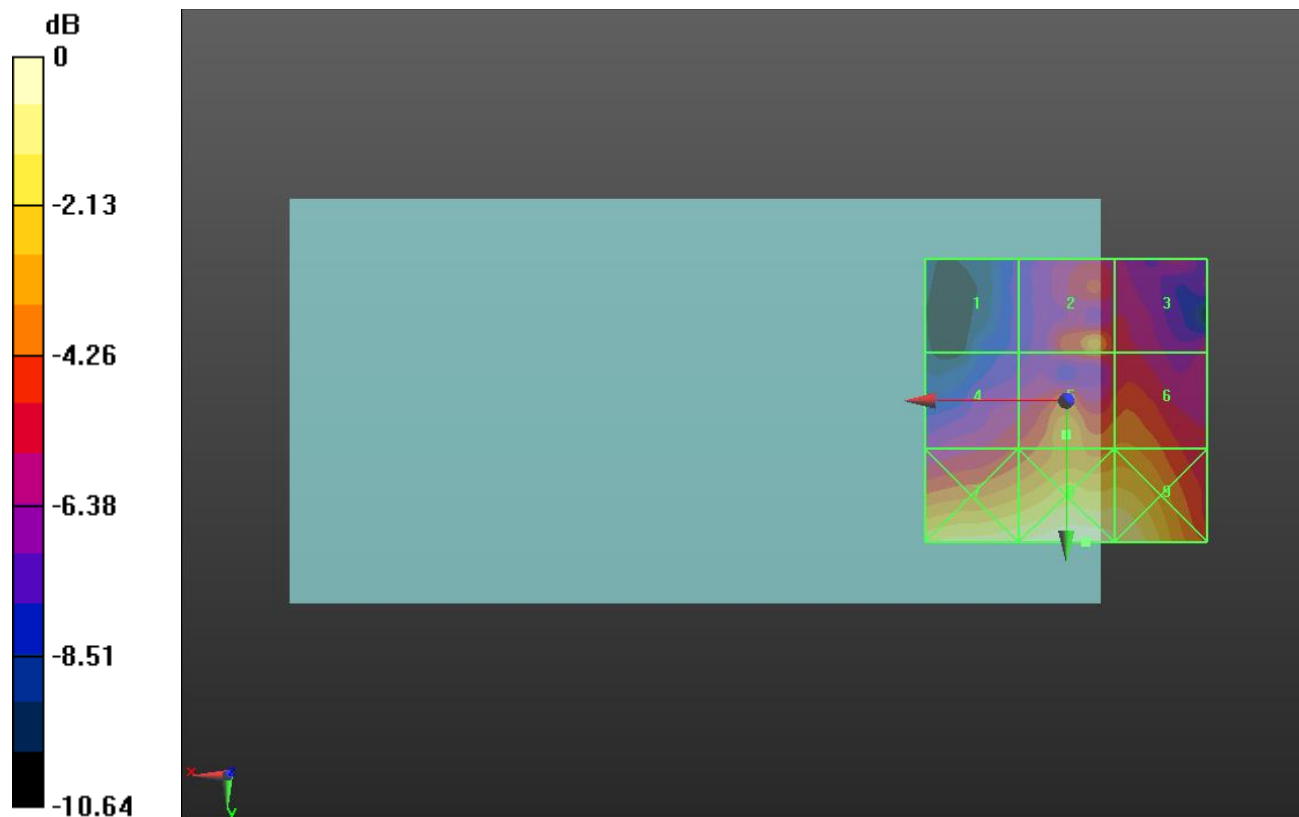
Applied MIF = 0.12 dB

RF audio interference level = 32.43 dBV/m

Emission category: **M3**

MIF scaled E-field

Grid 1 M4 27.85 dBV/m	Grid 2 M3 32.02 dBV/m	Grid 3 M3 30.06 dBV/m
Grid 4 M3 30.38 dBV/m	Grid 5 M3 32.43 dBV/m	Grid 6 M3 31.82 dBV/m
Grid 7 M3 34.51 dBV/m	Grid 8 M2 35.18 dBV/m	Grid 9 M3 34.62 dBV/m



0 dB = 57.44 V/m = 35.18 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 = 40.87 V/m; Power Drift = 0.03 dB

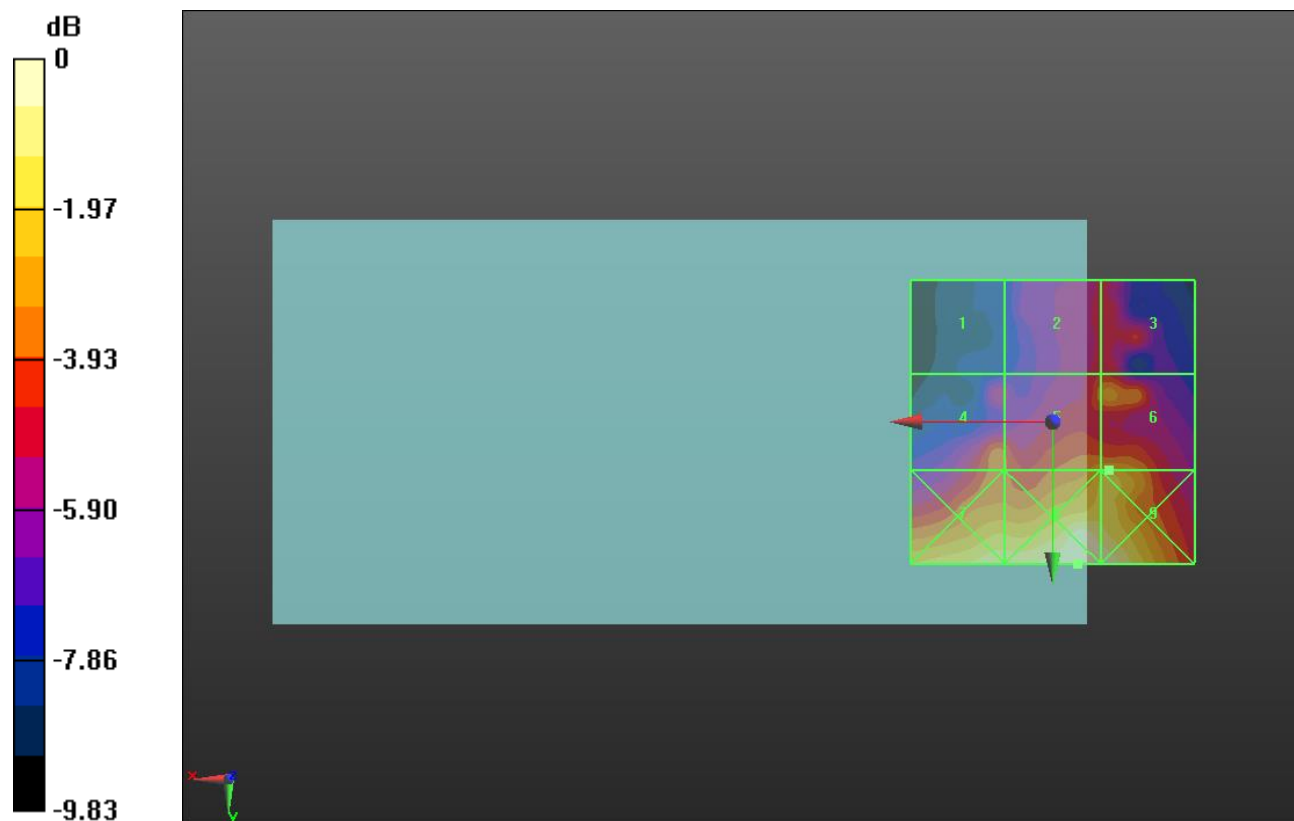
Applied MIF = 0.12 dB

RF audio interference level = 32.44 dBV/m

Emission category: M3

MIF scaled E-field

Grid 1 M4 27.38 dBV/m	Grid 2 M3 30.16 dBV/m	Grid 3 M3 30.29 dBV/m
Grid 4 M3 31.24 dBV/m	Grid 5 M3 32.19 dBV/m	Grid 6 M3 32.44 dBV/m
Grid 7 M3 34.1 dBV/m	Grid 8 M3 34.76 dBV/m	Grid 9 M3 34.69 dBV/m



0 dB = 54.70 V/m = 34.76 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 = 40.20 V/m; Power Drift = 0.14 dB

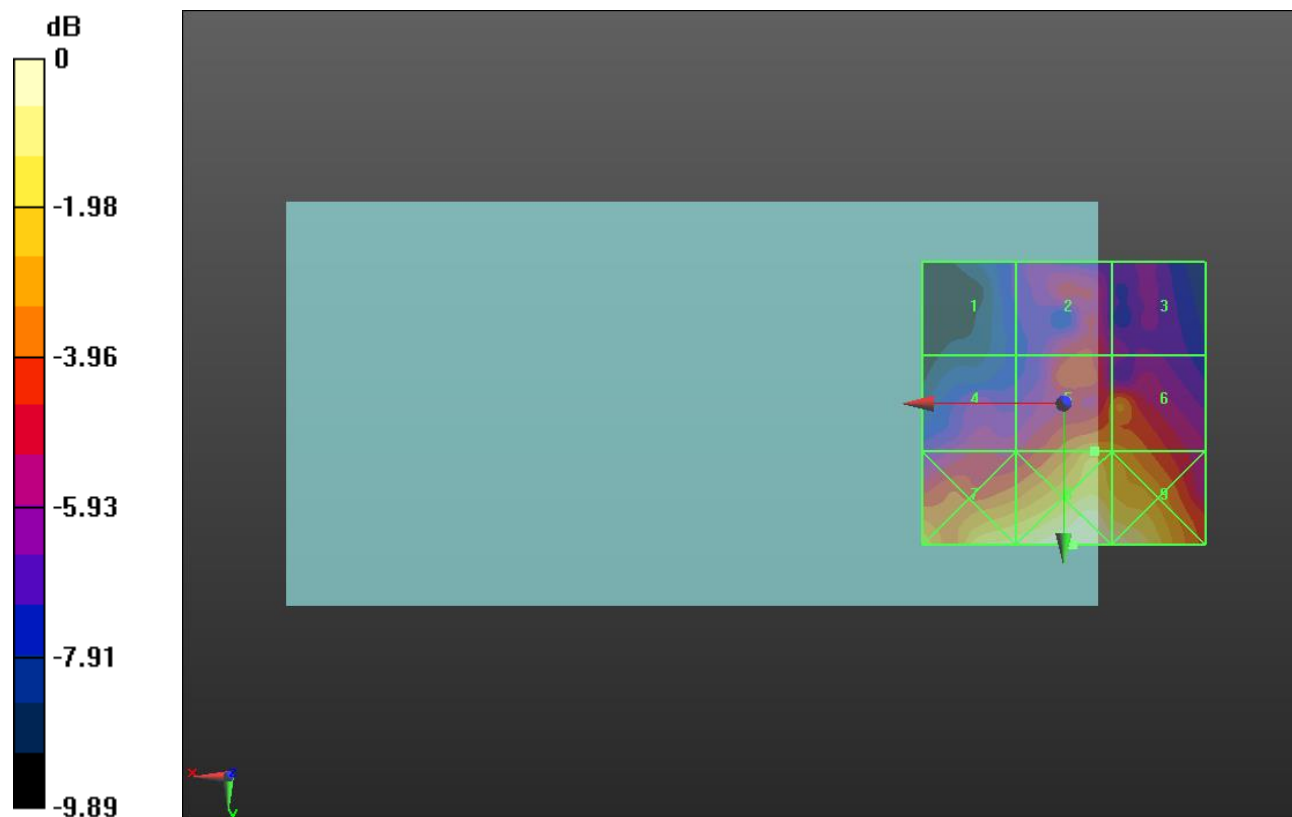
Applied MIF = 0.12 dB

RF audio interference level = 32.51 dBV/m

Emission category: M3

MIF scaled E-field

Grid 1 M4 27.93 dBV/m	Grid 2 M3 30.53 dBV/m	Grid 3 M4 28.85 dBV/m
Grid 4 M4 29.81 dBV/m	Grid 5 M3 32.51 dBV/m	Grid 6 M3 32.12 dBV/m
Grid 7 M3 34.05 dBV/m	Grid 8 M3 34.95 dBV/m	Grid 9 M3 34.79 dBV/m



0 dB = 55.88 V/m = 34.95 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 = 10.43 V/m; Power Drift = -0.07 dB

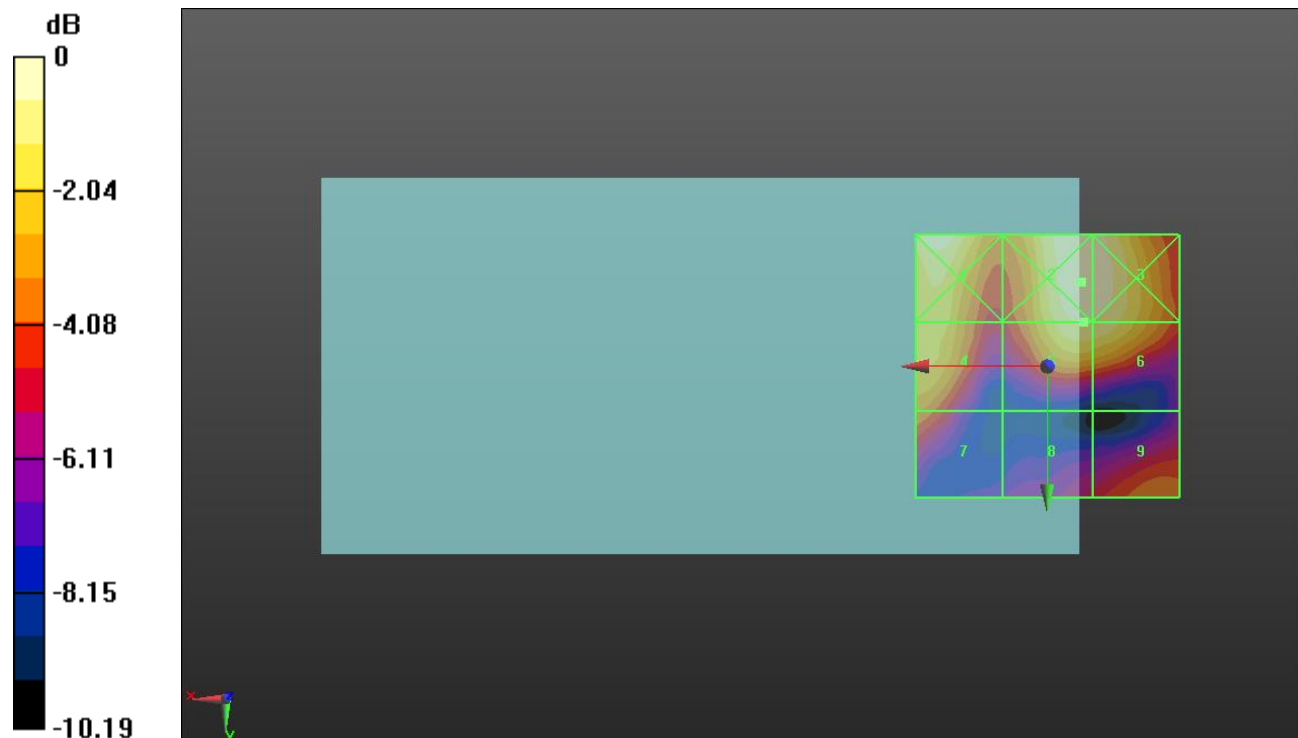
Applied MIF = -3.15 dB

RF audio interference level = 18.15 dBV/m

Emission category: **M4**

MIF scaled E-field

Grid 1 M4 18.58 dBV/m	Grid 2 M4 18.73 dBV/m	Grid 3 M4 18.64 dBV/m
Grid 4 M4 17.26 dBV/m	Grid 5 M4 18.15 dBV/m	Grid 6 M4 18.06 dBV/m
Grid 7 M4 15.43 dBV/m	Grid 8 M4 13.64 dBV/m	Grid 9 M4 15.16 dBV/m



0 dB = 8.638 V/m = 18.73 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 = 10.01 V/m; Power Drift = -0.15 dB

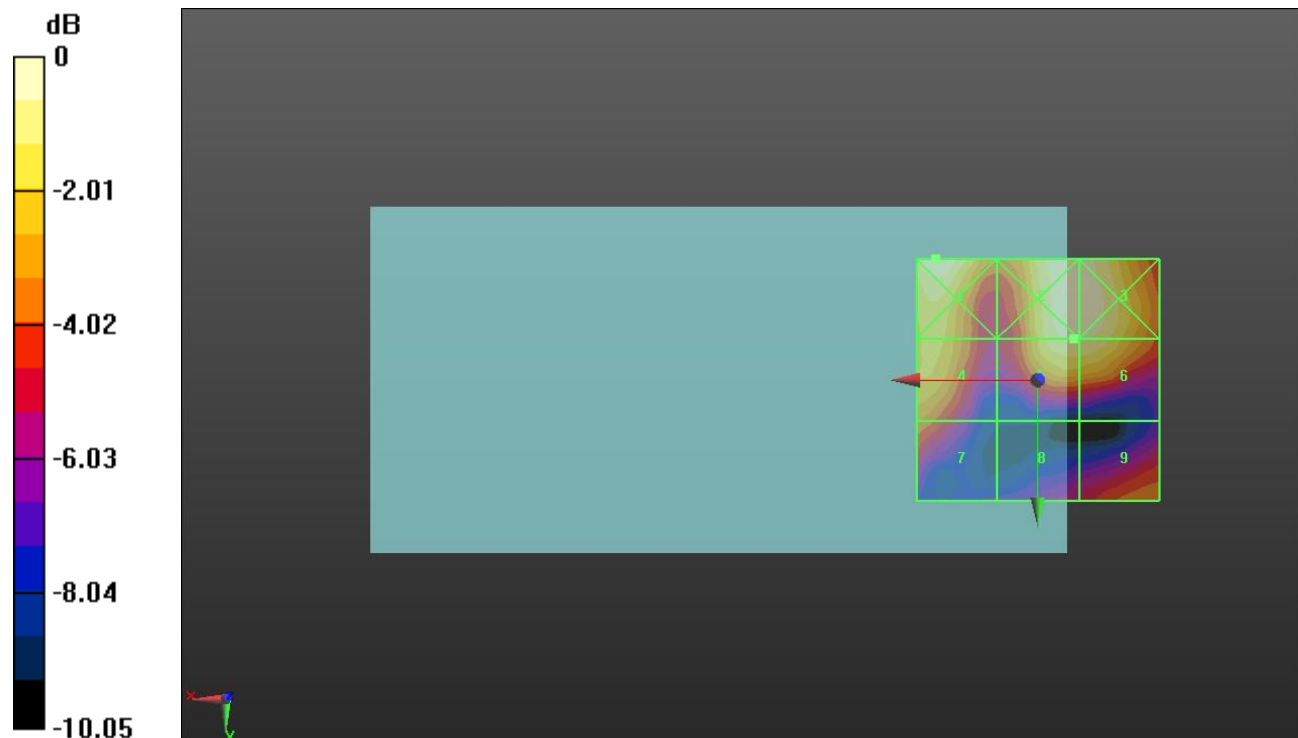
Applied MIF = -3.15 dB

RF audio interference level = 17.72 dBV/m

Emission category: **M4**

MIF scaled E-field

Grid 1 M4 18.24 dBV/m	Grid 2 M4 18.18 dBV/m	Grid 3 M4 18.17 dBV/m
Grid 4 M4 16.49 dBV/m	Grid 5 M4 17.72 dBV/m	Grid 6 M4 17.69 dBV/m
Grid 7 M4 14.94 dBV/m	Grid 8 M4 13.04 dBV/m	Grid 9 M4 14.56 dBV/m



0 dB = 8.165 V/m = 18.24 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 = 11.52 V/m; Power Drift = 0.06 dB

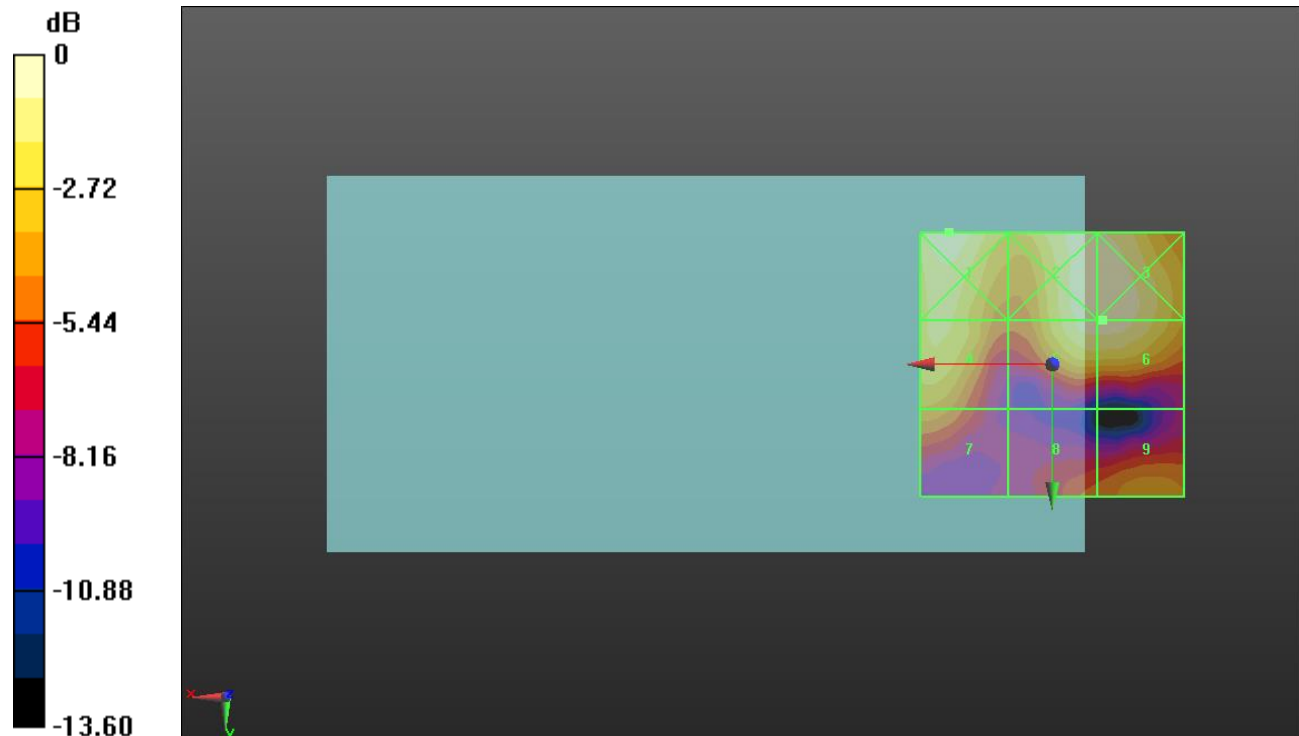
Applied MIF = -3.15 dB

RF audio interference level = 17.81 dBV/m

Emission category: **M4**

MIF scaled E-field

Grid 1 M4 18.21 dBV/m	Grid 2 M4 18.07 dBV/m	Grid 3 M4 18.09 dBV/m
Grid 4 M4 16.63 dBV/m	Grid 5 M4 17.81 dBV/m	Grid 6 M4 17.81 dBV/m
Grid 7 M4 14.44 dBV/m	Grid 8 M4 13.14 dBV/m	Grid 9 M4 14.22 dBV/m



0 dB = 8.140 V/m = 18.21 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 = 11.33 V/m; Power Drift = -0.06 dB

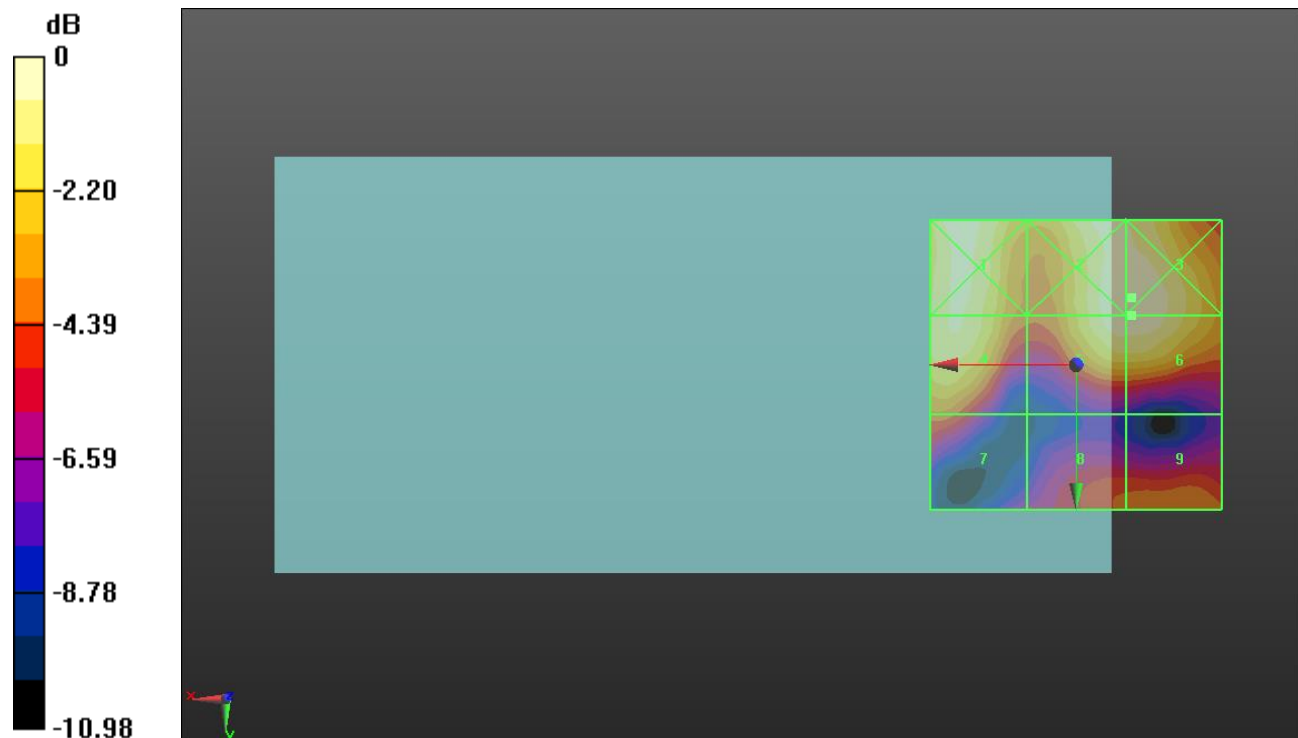
Applied MIF = -3.15 dB

RF audio interference level = 17.87 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 17.89 dBV/m	Grid 2 M4 18 dBV/m	Grid 3 M4 18.03 dBV/m
Grid 4 M4 17.36 dBV/m	Grid 5 M4 17.86 dBV/m	Grid 6 M4 17.87 dBV/m
Grid 7 M4 14.2 dBV/m	Grid 8 M4 13.87 dBV/m	Grid 9 M4 14.39 dBV/m



0 dB = 7.971 V/m = 18.03 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 = 11.32 V/m; Power Drift = -0.05 dB

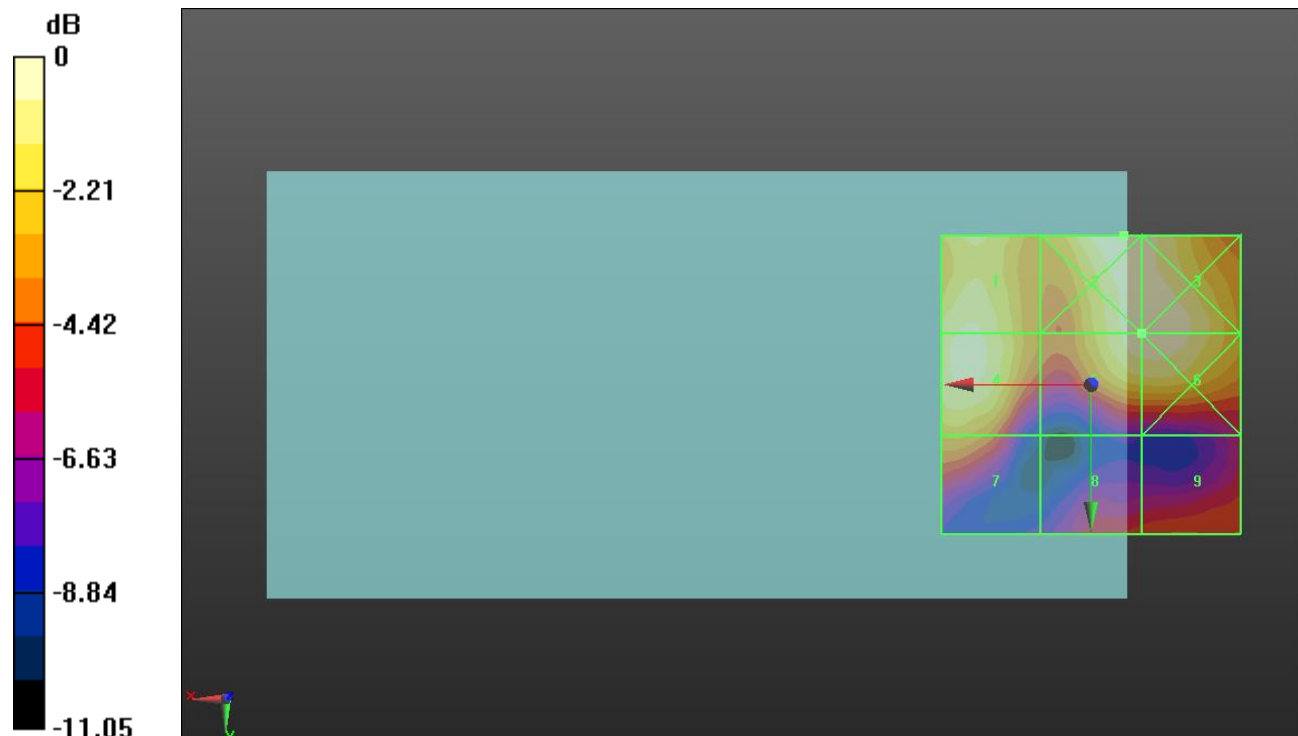
Applied MIF = -3.15 dB

RF audio interference level = 17.64 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 17.34 dBV/m	Grid 2 M4 17.91 dBV/m	Grid 3 M4 17.76 dBV/m
Grid 4 M4 17.5 dBV/m	Grid 5 M4 17.64 dBV/m	Grid 6 M4 17.71 dBV/m
Grid 7 M4 15.21 dBV/m	Grid 8 M4 13.26 dBV/m	Grid 9 M4 13.61 dBV/m



0 dB = 7.859 V/m = 17.91 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 = 12.06 V/m; Power Drift = -0.02 dB

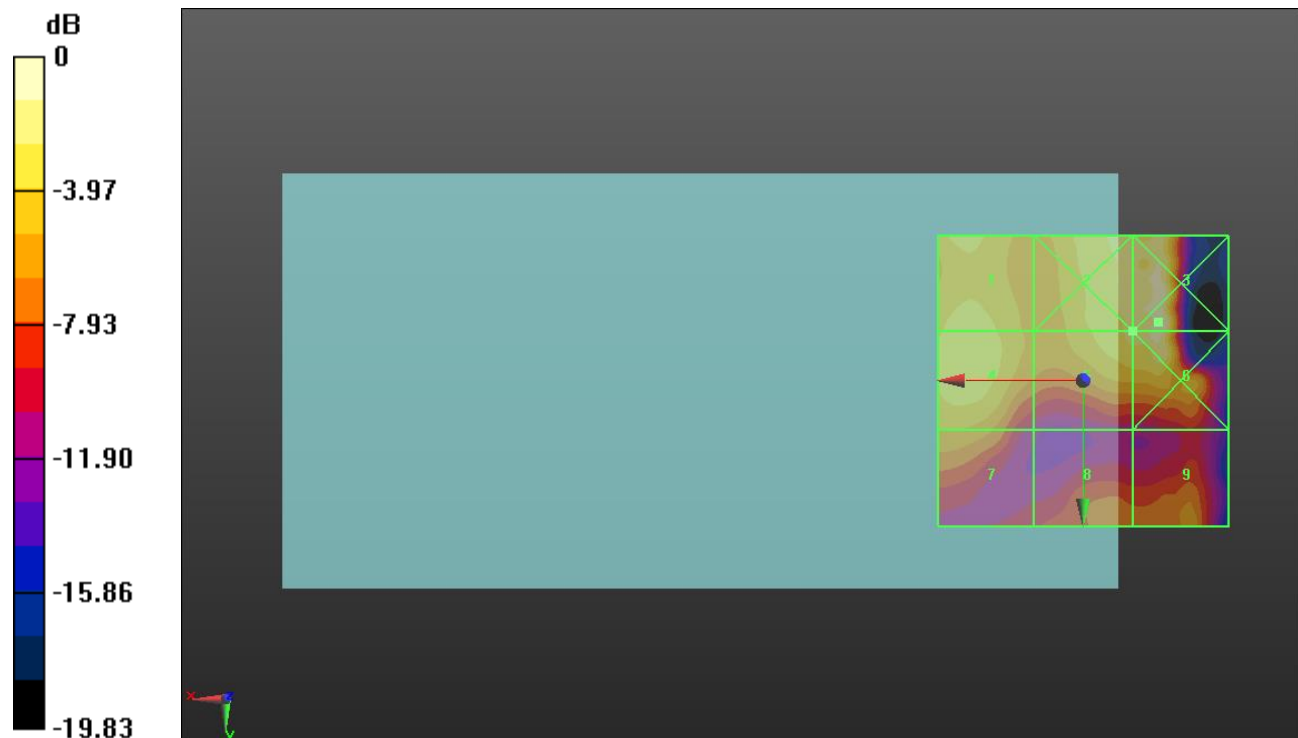
Applied MIF = -3.15 dB

RF audio interference level = 18.20 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 17.05 dBV/m	Grid 2 M4 18.58 dBV/m	Grid 3 M4 20.27 dBV/m
Grid 4 M4 17.42 dBV/m	Grid 5 M4 18.2 dBV/m	Grid 6 M4 19.67 dBV/m
Grid 7 M4 15.07 dBV/m	Grid 8 M4 13.34 dBV/m	Grid 9 M4 14.78 dBV/m



0 dB = 10.32 V/m = 20.27 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 = 11.64 V/m; Power Drift = -0.02 dB

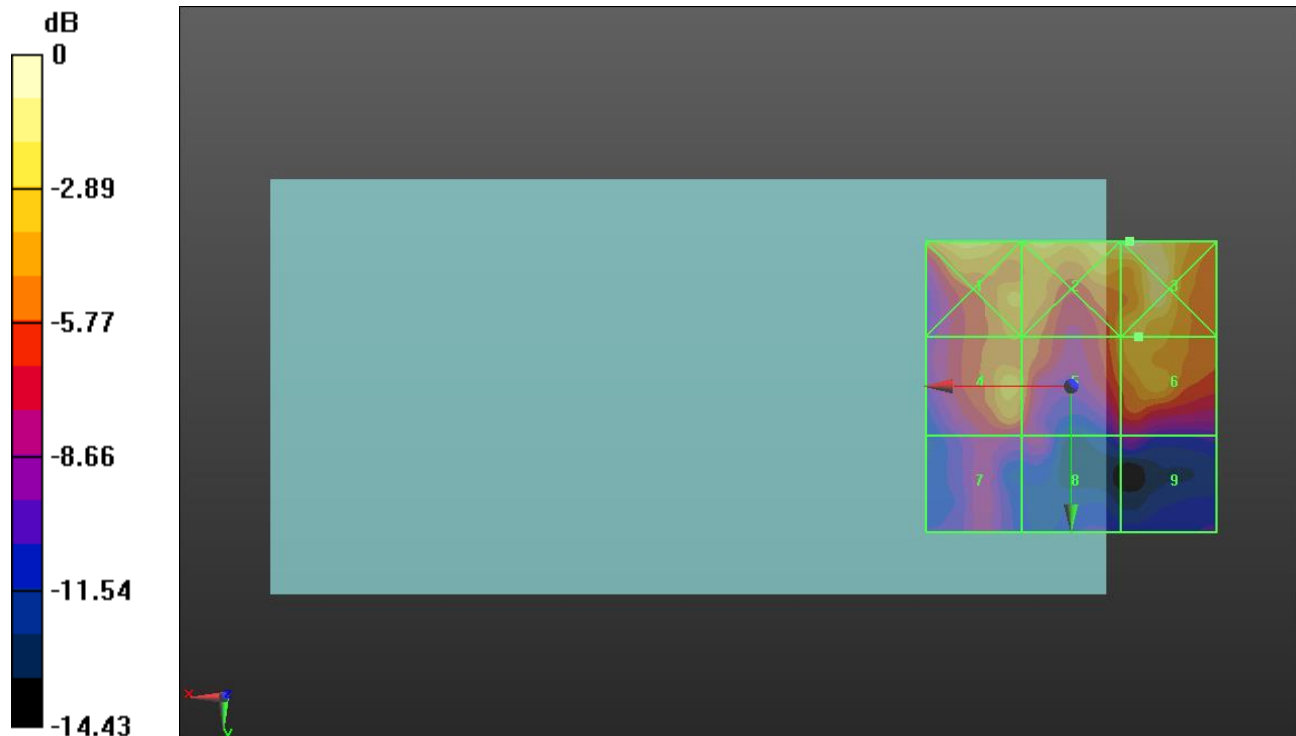
Applied MIF = -3.15 dB

RF audio interference level = 16.66 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 17.41 dBV/m	Grid 2 M4 19.14 dBV/m	Grid 3 M4 19.46 dBV/m
Grid 4 M4 16.39 dBV/m	Grid 5 M4 15.5 dBV/m	Grid 6 M4 16.66 dBV/m
Grid 7 M4 11.88 dBV/m	Grid 8 M4 11.28 dBV/m	Grid 9 M4 10.64 dBV/m



0 dB = 9.402 V/m = 19.46 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 = 6.187 V/m; Power Drift = 0.06 dB

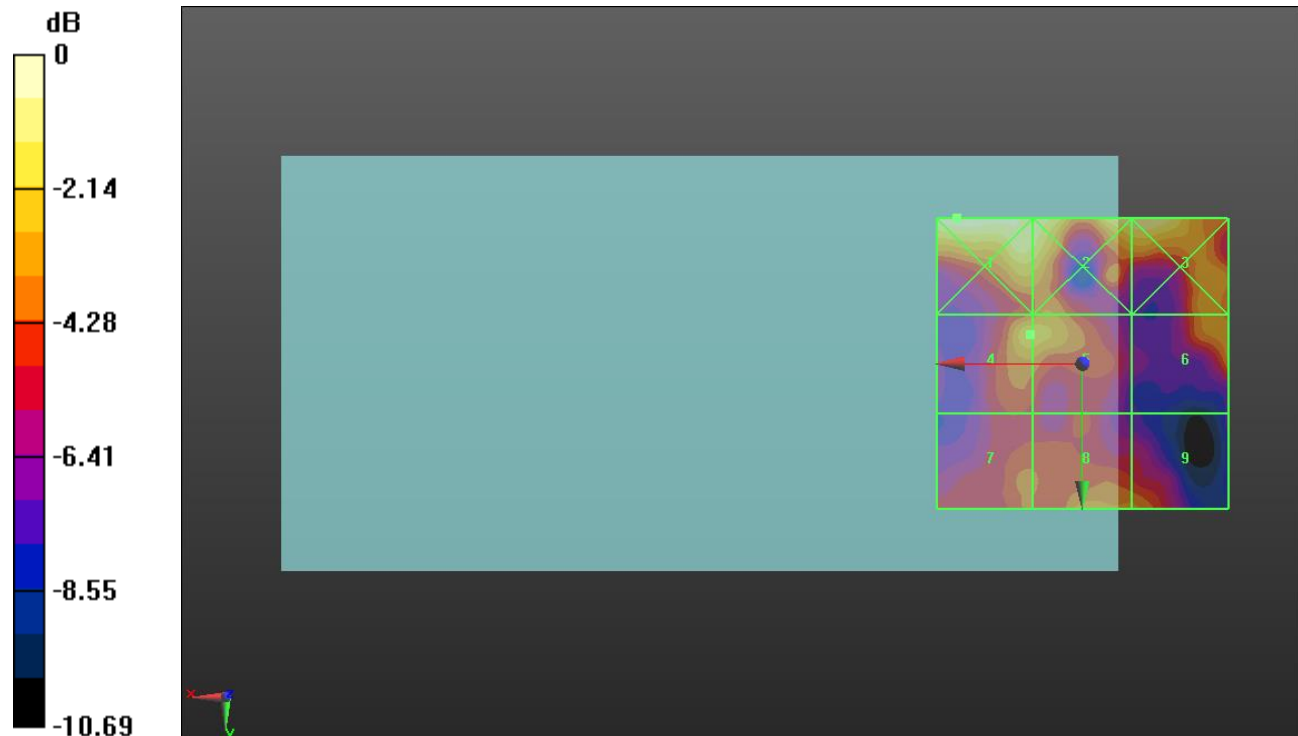
Applied MIF = -3.15 dB

RF audio interference level = 14.37 dBV/m

Emission category: **M4**

MIF scaled E-field

Grid 1 M4 16.68 dBV/m	Grid 2 M4 16.02 dBV/m	Grid 3 M4 16.03 dBV/m
Grid 4 M4 14.37 dBV/m	Grid 5 M4 14.33 dBV/m	Grid 6 M4 13.66 dBV/m
Grid 7 M4 12.7 dBV/m	Grid 8 M4 13.69 dBV/m	Grid 9 M4 13.49 dBV/m



0 dB = 6.826 V/m = 16.68 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 = 6.761 V/m; Power Drift = 0.18 dB

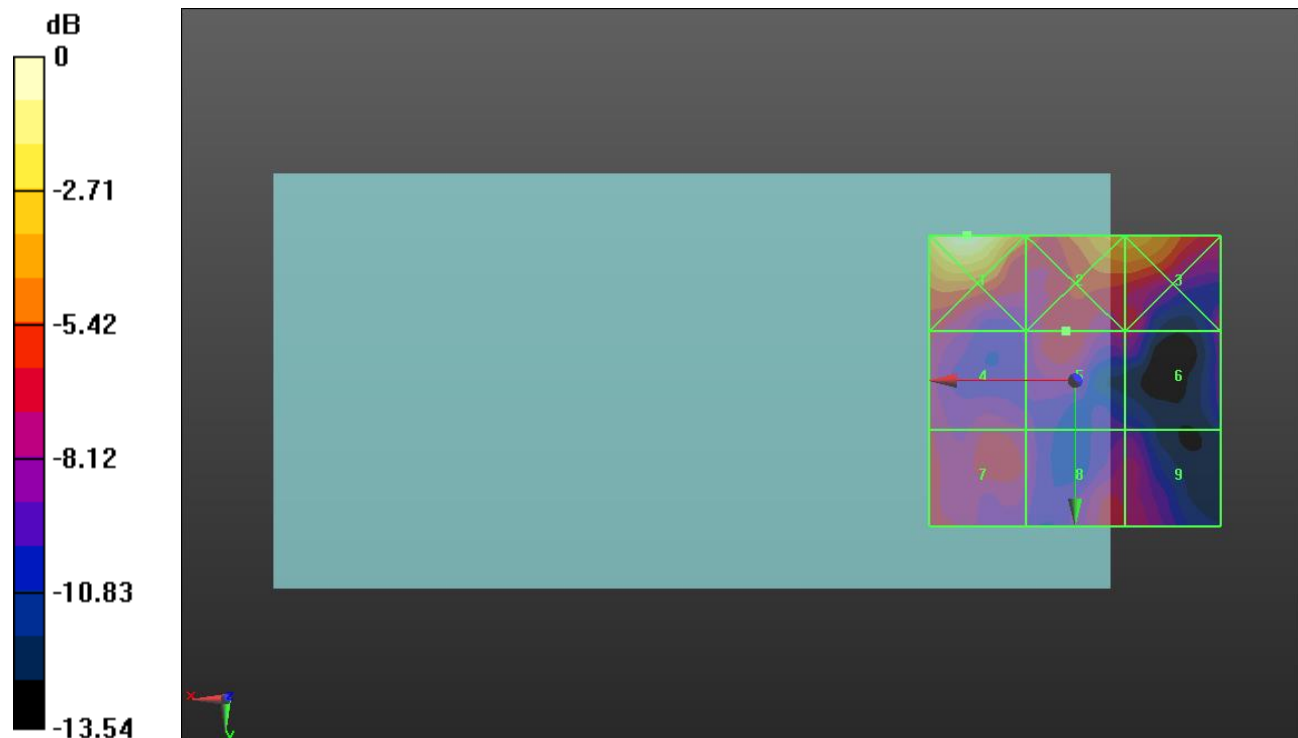
Applied MIF = -3.15 dB

RF audio interference level = 12.96 dBV/m

Emission category: **M4**

MIF scaled E-field

Grid 1 M4 19.42 dBV/m	Grid 2 M4 16.37 dBV/m	Grid 3 M4 16.37 dBV/m
Grid 4 M4 12.53 dBV/m	Grid 5 M4 12.96 dBV/m	Grid 6 M4 12.12 dBV/m
Grid 7 M4 12.9 dBV/m	Grid 8 M4 12.56 dBV/m	Grid 9 M4 12.34 dBV/m



0 dB = 9.358 V/m = 19.42 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 = 13.55 V/m; Power Drift = -0.09 dB

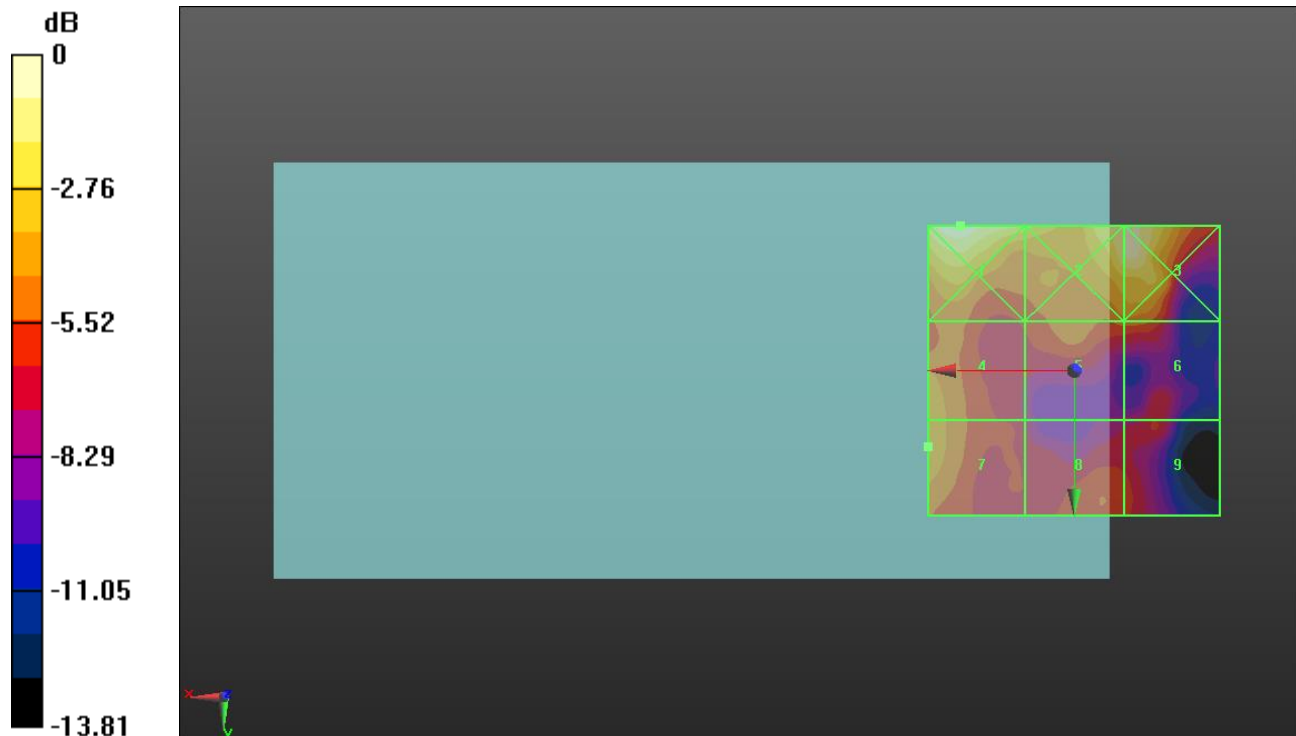
Applied MIF = -3.15 dB

RF audio interference level = 14.51 dBV/m

Emission category: **M4**

MIF scaled E-field

Grid 1 M4 18.16 dBV/m	Grid 2 M4 17.33 dBV/m	Grid 3 M4 17.64 dBV/m
Grid 4 M4 14.39 dBV/m	Grid 5 M4 13.17 dBV/m	Grid 6 M4 13.19 dBV/m
Grid 7 M4 14.51 dBV/m	Grid 8 M4 12.67 dBV/m	Grid 9 M4 12.25 dBV/m



0 dB = 8.086 V/m = 18.15 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 = 6.996 V/m; Power Drift = -0.08 dB

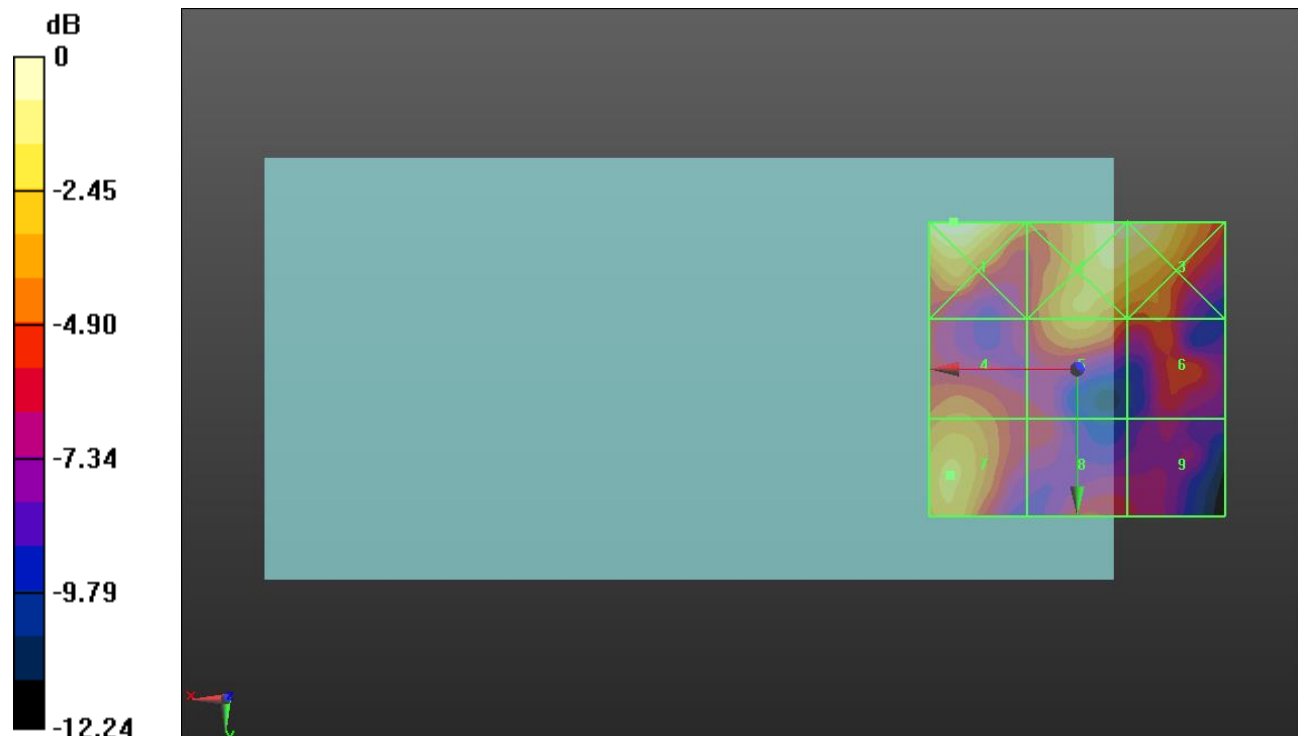
Applied MIF = -3.15 dB

RF audio interference level = 15.97 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 18.22 dBV/m	Grid 2 M4 17.73 dBV/m	Grid 3 M4 17.72 dBV/m
Grid 4 M4 14.42 dBV/m	Grid 5 M4 15.51 dBV/m	Grid 6 M4 13.51 dBV/m
Grid 7 M4 15.97 dBV/m	Grid 8 M4 12.84 dBV/m	Grid 9 M4 12.05 dBV/m



0 dB = 8.147 V/m = 18.22 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 = 12.53 V/m; Power Drift = -0.02 dB

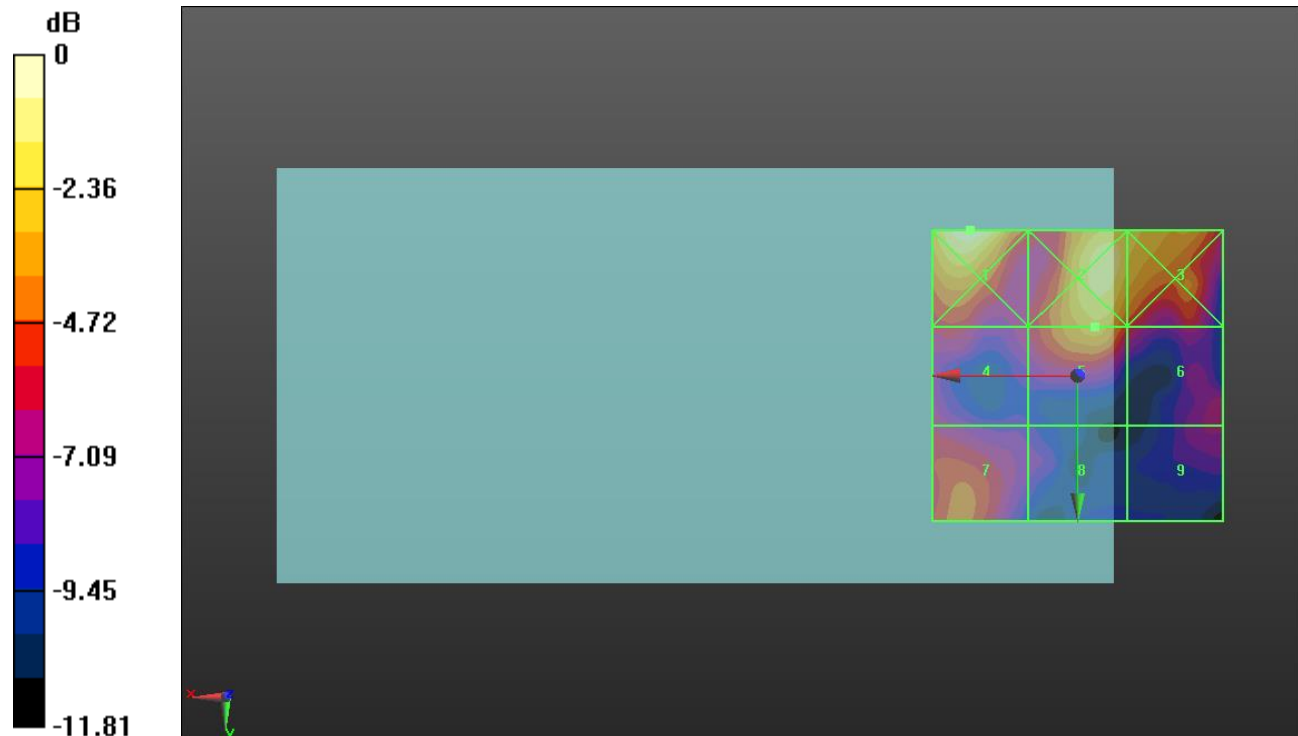
Applied MIF = -3.15 dB

RF audio interference level = 17.33 dBV/m

Emission category: **M4**

MIF scaled E-field

Grid 1 M4 19.95 dBV/m	Grid 2 M4 19.01 dBV/m	Grid 3 M4 17.88 dBV/m
Grid 4 M4 14.29 dBV/m	Grid 5 M4 17.33 dBV/m	Grid 6 M4 14.71 dBV/m
Grid 7 M4 15.57 dBV/m	Grid 8 M4 12.41 dBV/m	Grid 9 M4 13.13 dBV/m



0 dB = 9.942 V/m = 19.95 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 = 38.69 V/m; Power Drift = -0.17 dB

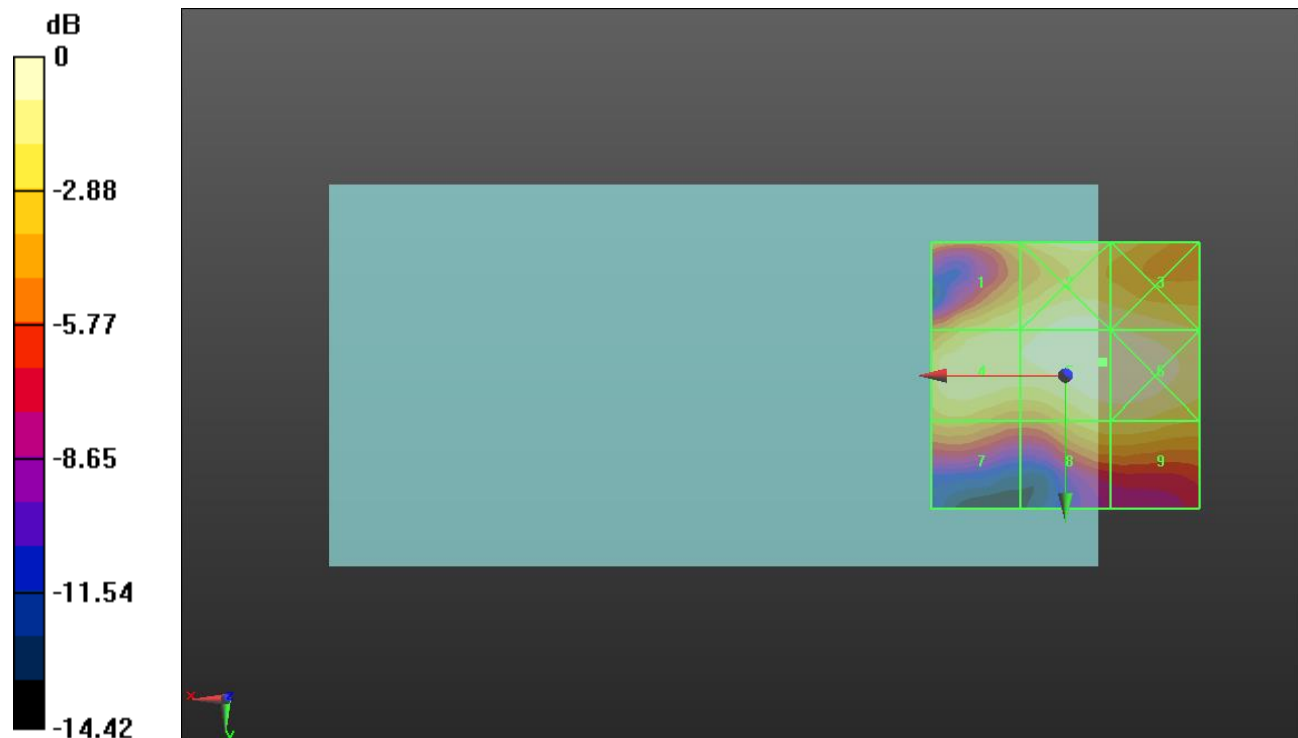
Applied MIF = -3.15 dB

RF audio interference level = 26.99 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 25.53 dBV/m	Grid 2 M4 26.56 dBV/m	Grid 3 M4 26.31 dBV/m
Grid 4 M4 26.03 dBV/m	Grid 5 M4 26.99 dBV/m	Grid 6 M4 26.98 dBV/m
Grid 7 M4 23.79 dBV/m	Grid 8 M4 25.11 dBV/m	Grid 9 M4 25.15 dBV/m



0 dB = 22.36 V/m = 26.99 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 = 37.41 V/m; Power Drift = 0.05 dB

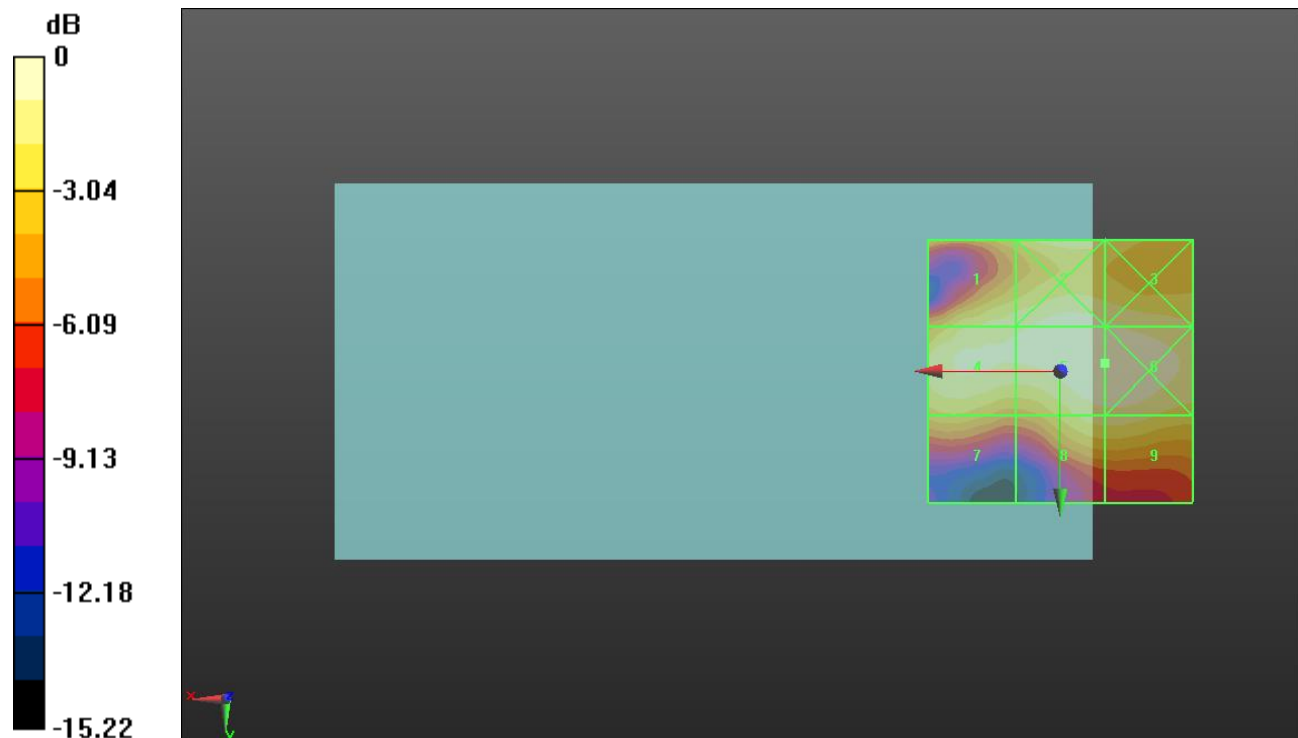
Applied MIF = -3.15 dB

RF audio interference level = 26.96 dBV/m

Emission category: **M4**

MIF scaled E-field

Grid 1 M4 25.72 dBV/m	Grid 2 M4 26.49 dBV/m	Grid 3 M4 26.2 dBV/m
Grid 4 M4 26.13 dBV/m	Grid 5 M4 26.96 dBV/m	Grid 6 M4 26.96 dBV/m
Grid 7 M4 23.73 dBV/m	Grid 8 M4 25.52 dBV/m	Grid 9 M4 25.55 dBV/m



0 dB = 22.28 V/m = 26.96 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 = 37.63 V/m; Power Drift = 0.01 dB

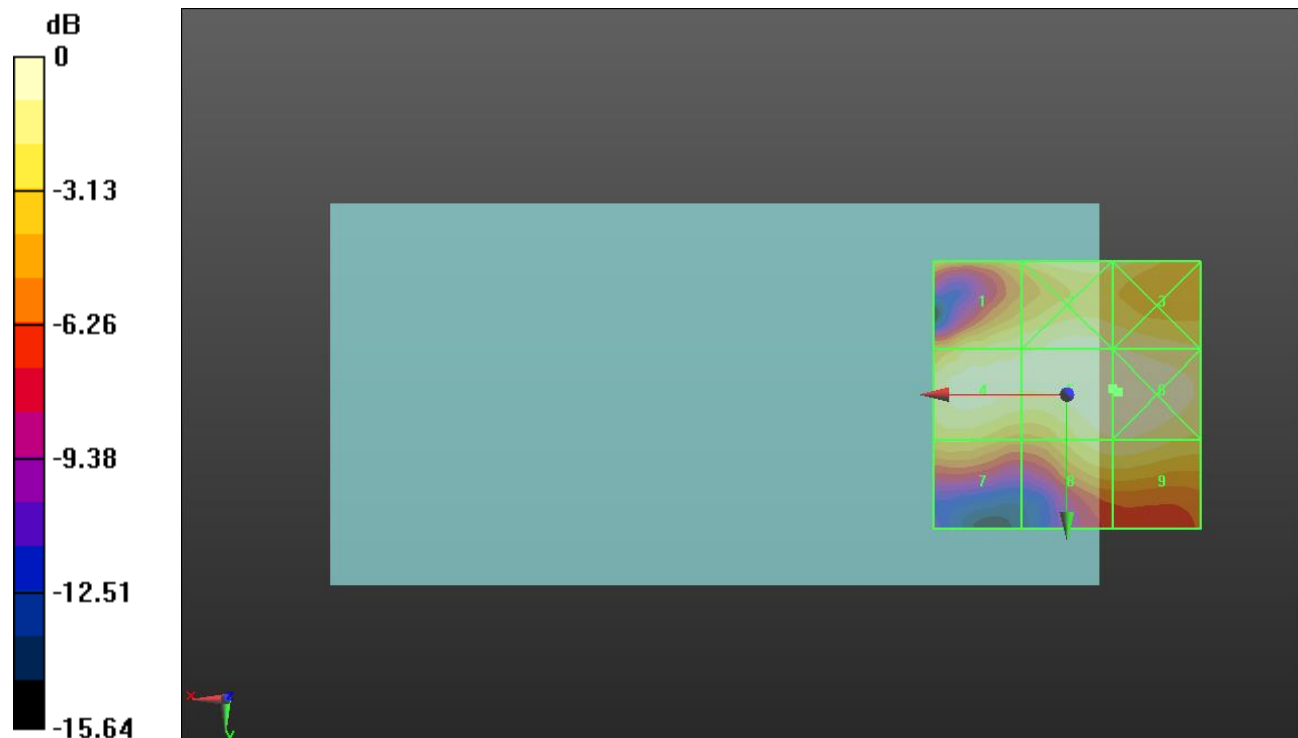
Applied MIF = -3.15 dB

RF audio interference level = 27.06 dBV/m

Emission category: **M4**

MIF scaled E-field

Grid 1 M4 25.81 dBV/m	Grid 2 M4 26.55 dBV/m	Grid 3 M4 26.22 dBV/m
Grid 4 M4 26.47 dBV/m	Grid 5 M4 27.06 dBV/m	Grid 6 M4 27.07 dBV/m
Grid 7 M4 24.23 dBV/m	Grid 8 M4 25.9 dBV/m	Grid 9 M4 25.95 dBV/m



0 dB = 22.57 V/m = 27.07 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 = 37.37 V/m; Power Drift = -0.03 dB

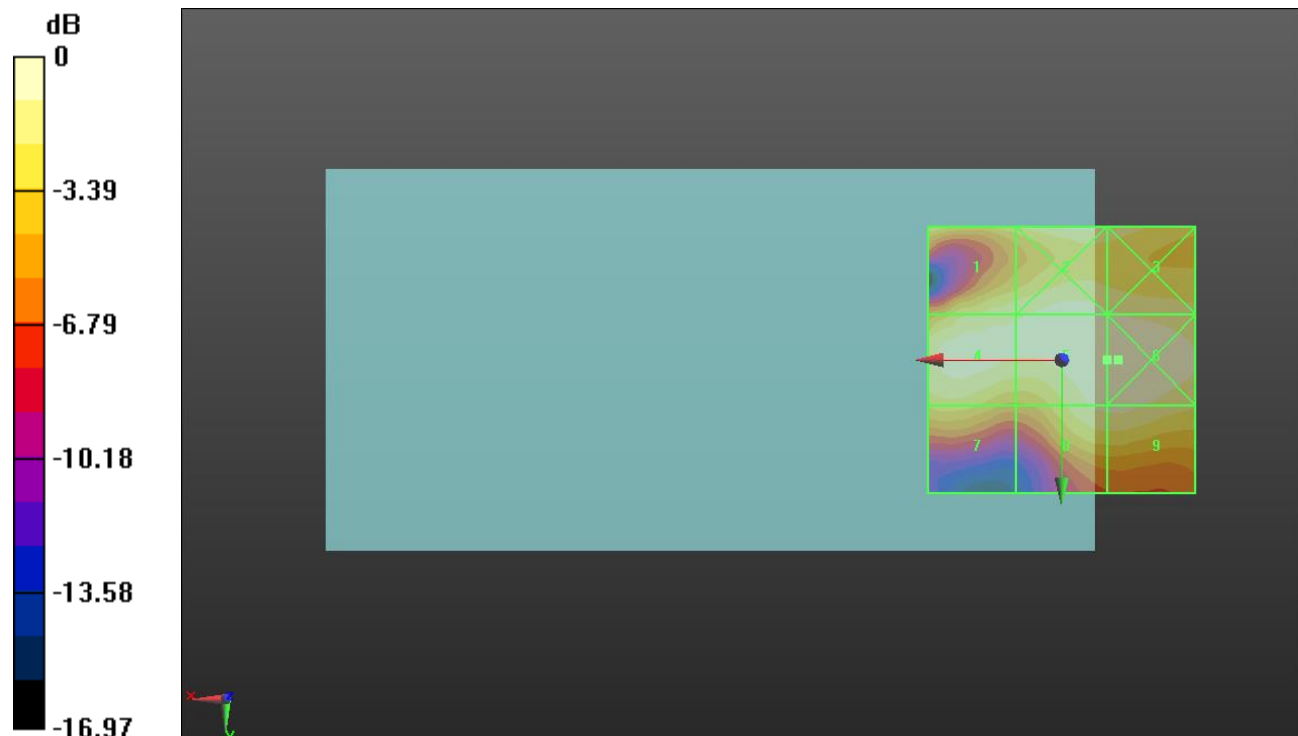
Applied MIF = -3.15 dB

RF audio interference level = 27.09 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 25.78 dBV/m	Grid 2 M4 26.54 dBV/m	Grid 3 M4 26.21 dBV/m
Grid 4 M4 26.5 dBV/m	Grid 5 M4 27.09 dBV/m	Grid 6 M4 27.12 dBV/m
Grid 7 M4 24.34 dBV/m	Grid 8 M4 26.3 dBV/m	Grid 9 M4 26.36 dBV/m



0 dB = 22.69 V/m = 27.12 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 = 36.66 V/m; Power Drift = 0.00 dB

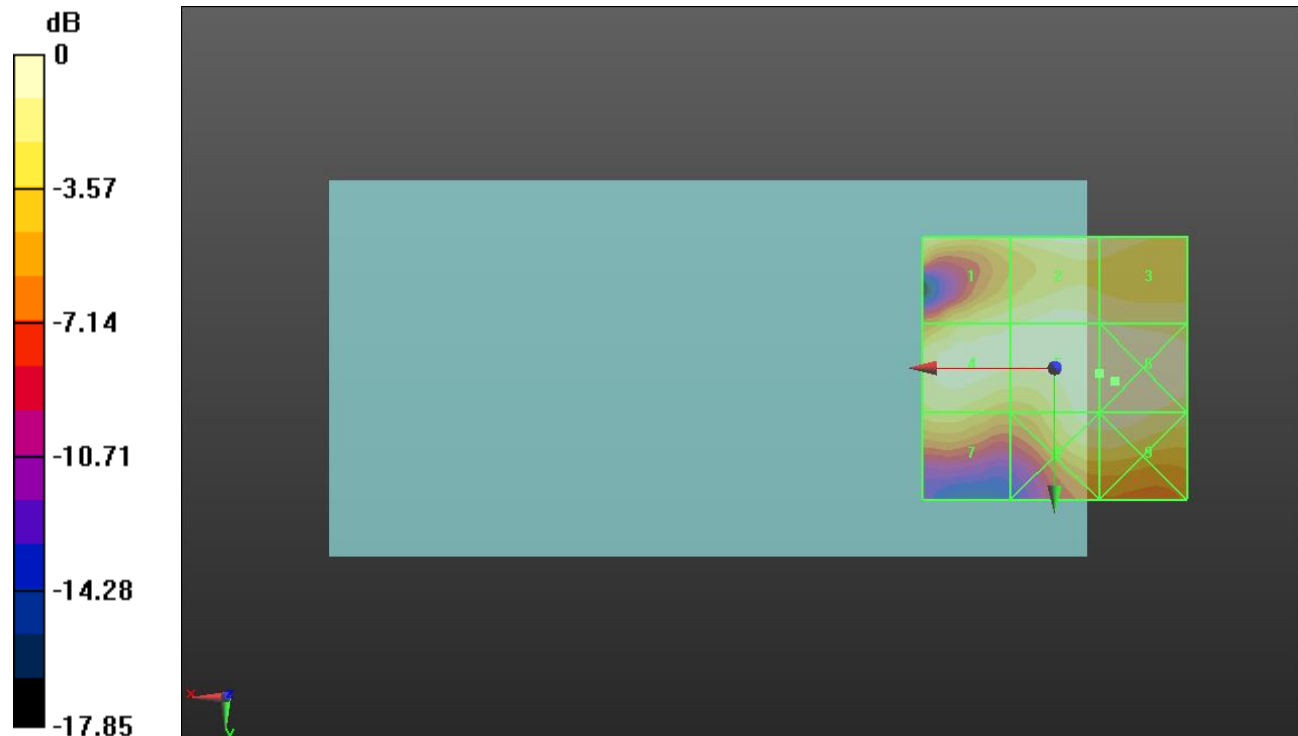
Applied MIF = -3.15 dB

RF audio interference level = 26.96 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 26.07 dBV/m	Grid 2 M4 26.71 dBV/m	Grid 3 M4 26.39 dBV/m
Grid 4 M4 26.41 dBV/m	Grid 5 M4 26.96 dBV/m	Grid 6 M4 27.06 dBV/m
Grid 7 M4 24.51 dBV/m	Grid 8 M4 26.56 dBV/m	Grid 9 M4 26.64 dBV/m



0 dB = 22.54 V/m = 27.06 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 = 37.16 V/m; Power Drift = 0.04 dB

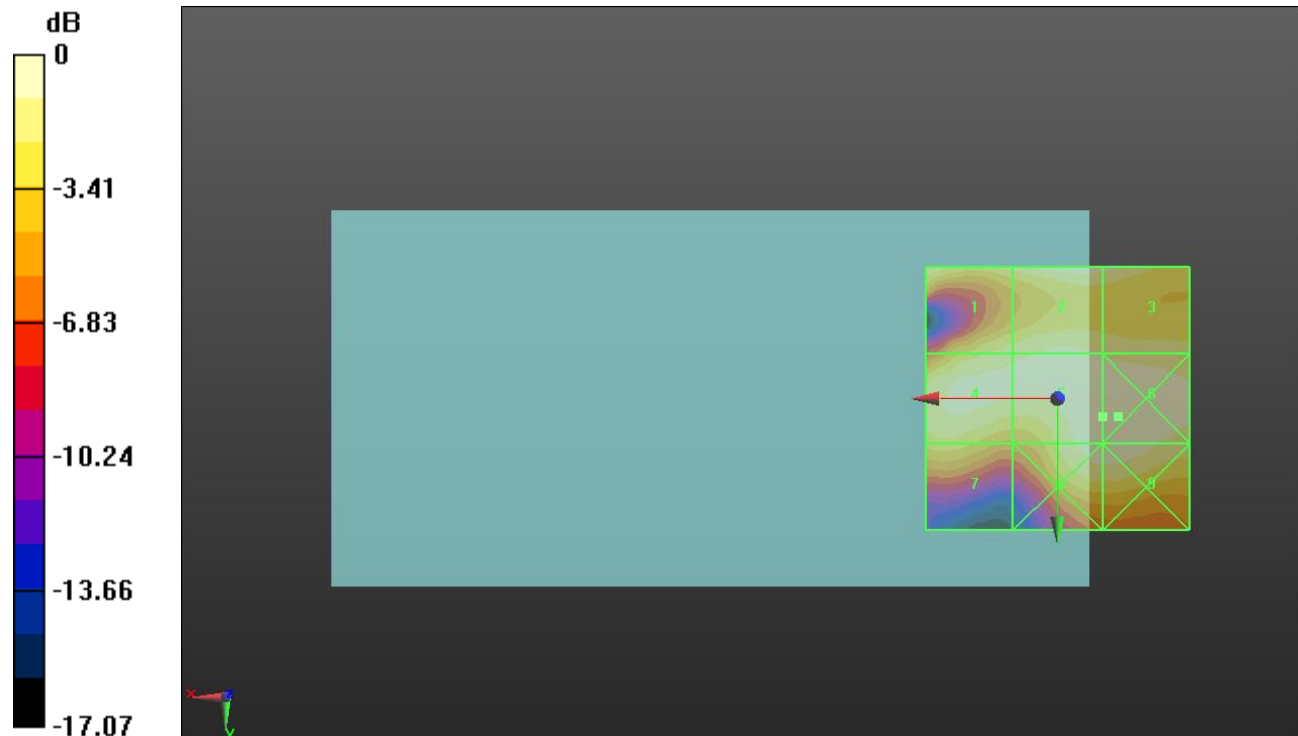
Applied MIF = -3.15 dB

RF audio interference level = 27.24 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 26.52 dBV/m	Grid 2 M4 27.09 dBV/m	Grid 3 M4 26.78 dBV/m
Grid 4 M4 26.56 dBV/m	Grid 5 M4 27.24 dBV/m	Grid 6 M4 27.34 dBV/m
Grid 7 M4 24.68 dBV/m	Grid 8 M4 27 dBV/m	Grid 9 M4 27.06 dBV/m



0 dB = 23.29 V/m = 27.34 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 = 26.97 V/m; Power Drift = 0.06 dB

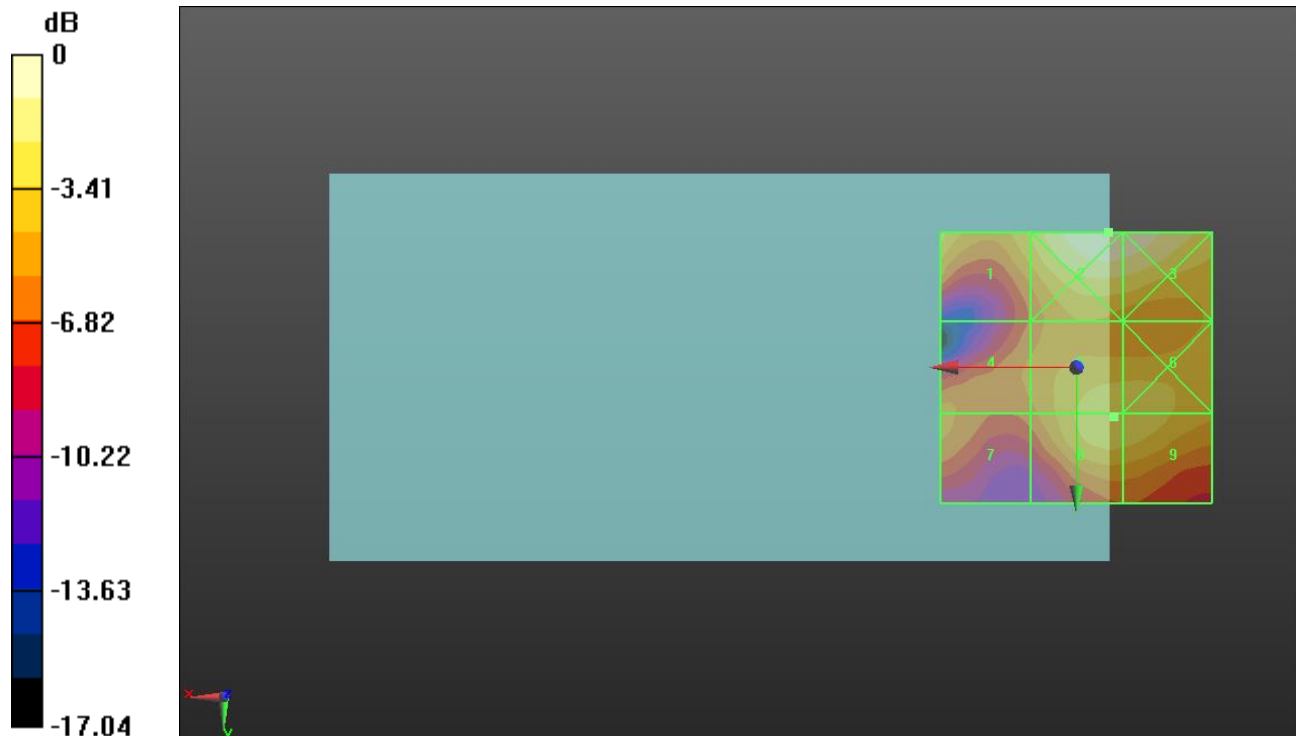
Applied MIF = -3.15 dB

RF audio interference level = 26.03 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 25.56 dBV/m	Grid 2 M4 28.43 dBV/m	Grid 3 M4 28.29 dBV/m
Grid 4 M4 23.06 dBV/m	Grid 5 M4 26.01 dBV/m	Grid 6 M4 25.99 dBV/m
Grid 7 M4 23.03 dBV/m	Grid 8 M4 26.03 dBV/m	Grid 9 M4 25.99 dBV/m



0 dB = 26.40 V/m = 28.43 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 = 23.41 V/m; Power Drift = 0.05 dB

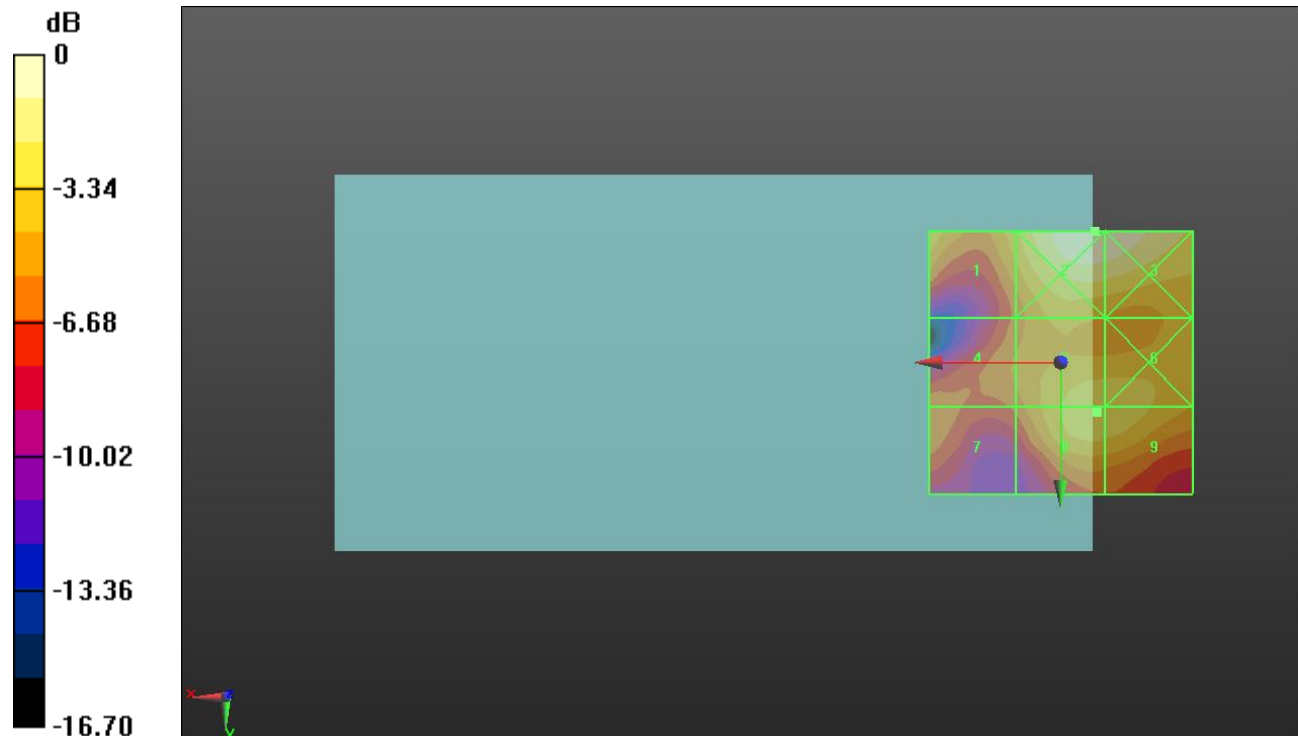
Applied MIF = -3.15 dB

RF audio interference level = 24.70 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 24.01 dBV/m	Grid 2 M4 27.1 dBV/m	Grid 3 M4 27 dBV/m
Grid 4 M4 21.75 dBV/m	Grid 5 M4 24.68 dBV/m	Grid 6 M4 24.68 dBV/m
Grid 7 M4 21.43 dBV/m	Grid 8 M4 24.7 dBV/m	Grid 9 M4 24.68 dBV/m



0 dB = 22.65 V/m = 27.10 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 = 22.31 V/m; Power Drift = -0.04 dB

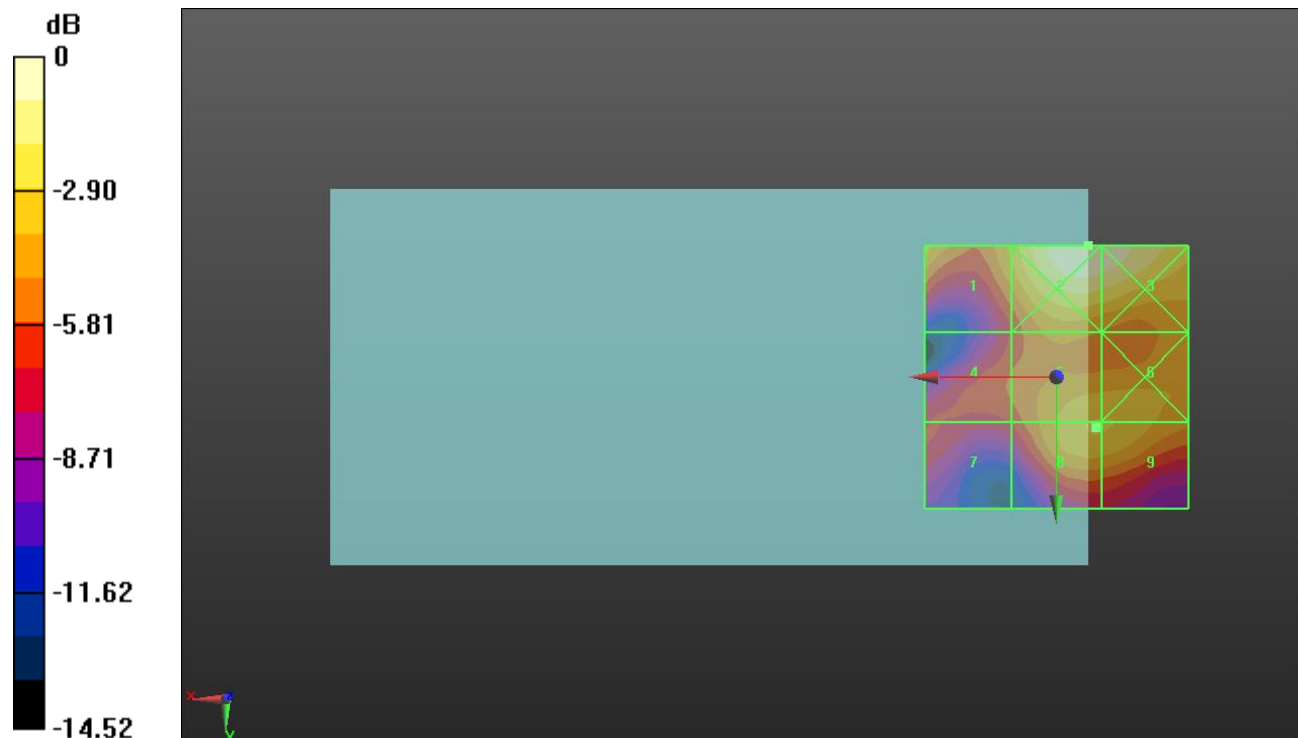
Applied MIF = -3.15 dB

RF audio interference level = 24.22 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 23.86 dBV/m	Grid 2 M4 27.04 dBV/m	Grid 3 M4 26.88 dBV/m
Grid 4 M4 21.42 dBV/m	Grid 5 M4 24.21 dBV/m	Grid 6 M4 24.21 dBV/m
Grid 7 M4 20.48 dBV/m	Grid 8 M4 24.22 dBV/m	Grid 9 M4 24.22 dBV/m



0 dB = 22.50 V/m = 27.04 dBV/m