

HAC-RF Emission ANT1

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

Phantom section: RF Section

DASY5 Configuration:

- Probe: EF3DV3 - SN4041; ConvF(1, 1, 1) @ 824.2 MHz; Calibrated: 3/18/2020
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1257; Calibrated: 10/10/2019
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

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 = 36.50 V/m; Power Drift = -0.08 dB

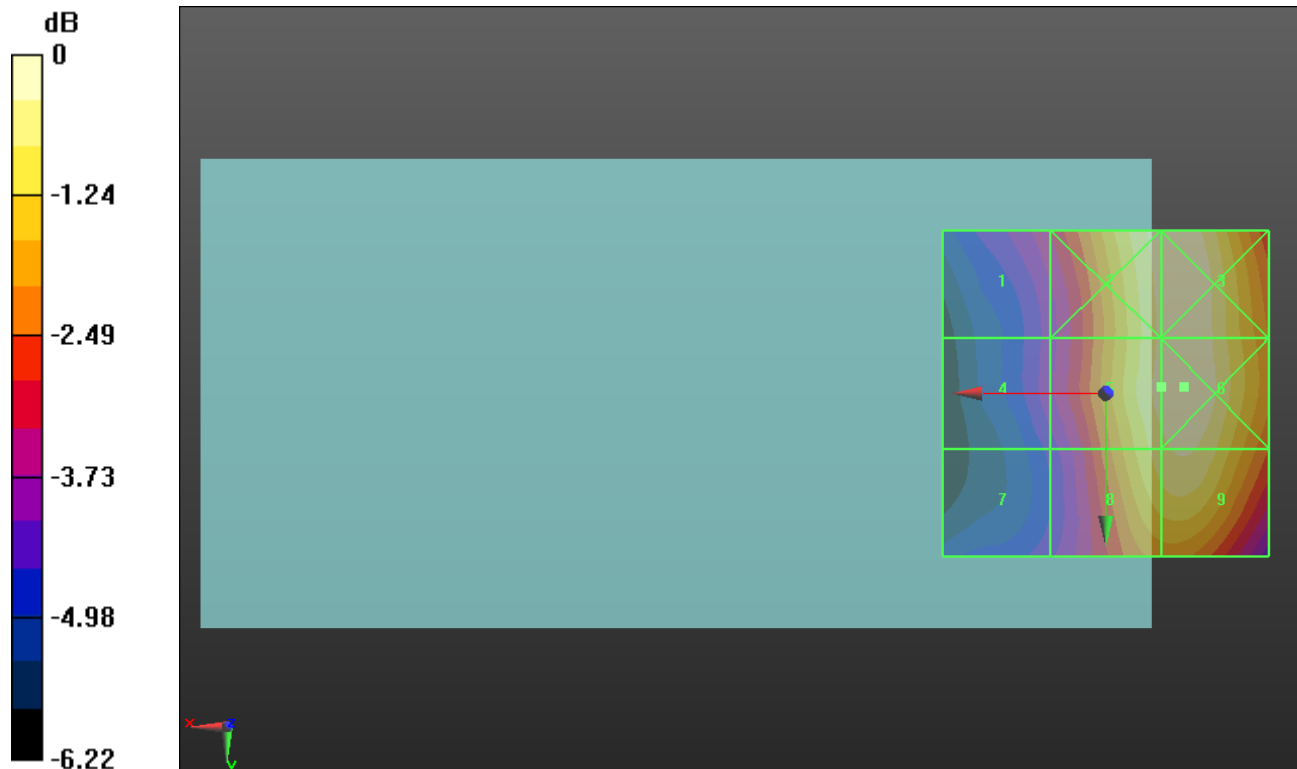
Applied MIF = 3.63 dB

RF audio interference level = 33.78 dBV/m

Emission category: **M4**

MIF scaled E-field

Grid 1 M4 30.71 dBV/m	Grid 2 M4 33.8 dBV/m	Grid 3 M4 33.93 dBV/m
Grid 4 M4 30.2 dBV/m	Grid 5 M4 33.78 dBV/m	Grid 6 M4 33.99 dBV/m
Grid 7 M4 29.8 dBV/m	Grid 8 M4 33.45 dBV/m	Grid 9 M4 33.65 dBV/m



0 dB = 50.09 V/m = 34.00 dBV/m

HAC-RF Emission ANT1

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

Phantom section: RF Section

DASY5 Configuration:

- Probe: EF3DV3 - SN4041; ConvF(1, 1, 1) @ 836.6 MHz; Calibrated: 3/18/2020
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1257; Calibrated: 10/10/2019
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

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 = 38.02 V/m; Power Drift = 0.04 dB

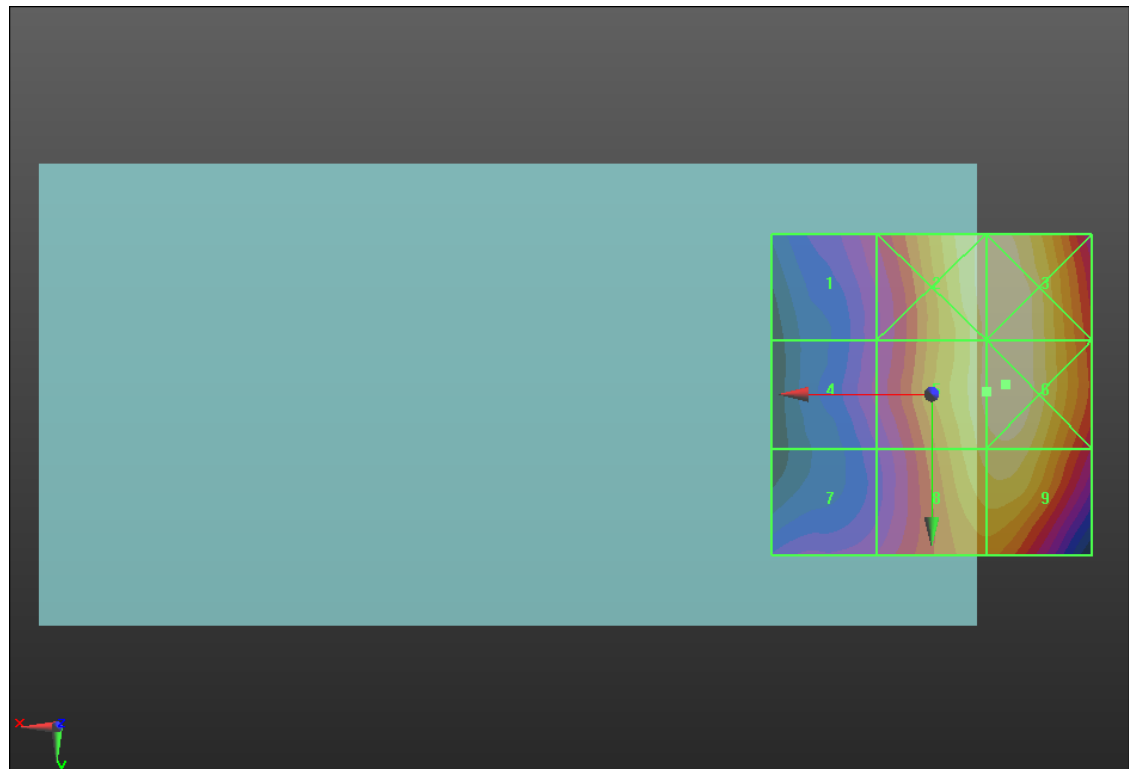
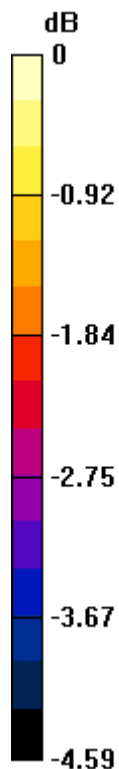
Applied MIF = 3.63 dB

RF audio interference level = 33.34 dBV/m

Emission category: **M4**

MIF scaled E-field

Grid 1 M4 31.1 dBV/m	Grid 2 M4 33.4 dBV/m	Grid 3 M4 33.5 dBV/m
Grid 4 M4 30.88 dBV/m	Grid 5 M4 33.34 dBV/m	Grid 6 M4 33.51 dBV/m
Grid 7 M4 30.81 dBV/m	Grid 8 M4 33.04 dBV/m	Grid 9 M4 33.15 dBV/m



0 dB = 47.39 V/m = 33.51 dBV/m

HAC-RF Emission ANT1

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

Phantom section: RF Section

DASY5 Configuration:

- Probe: EF3DV3 - SN4041; ConvF(1, 1, 1) @ 848.6 MHz; Calibrated: 3/18/2020
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1257; Calibrated: 10/10/2019
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

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

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

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 41.22 V/m; Power Drift = -0.02 dB

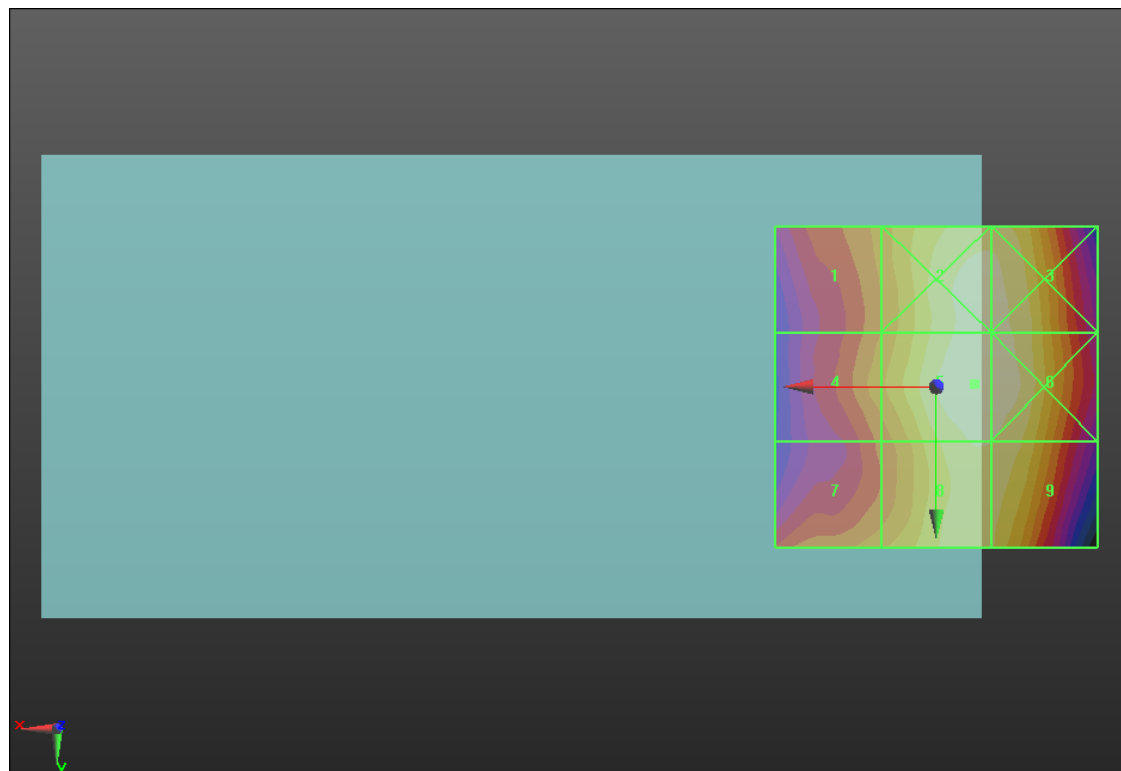
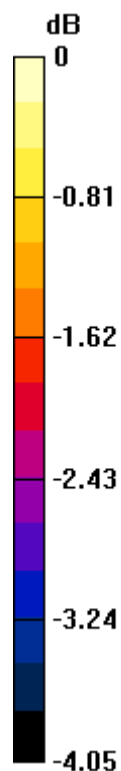
Applied MIF = 3.63 dB

RF audio interference level = 32.81 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 31.59 dBV/m	Grid 2 M4 32.67 dBV/m	Grid 3 M4 32.67 dBV/m
Grid 4 M4 31.69 dBV/m	Grid 5 M4 32.81 dBV/m	Grid 6 M4 32.77 dBV/m
Grid 7 M4 31.71 dBV/m	Grid 8 M4 32.56 dBV/m	Grid 9 M4 32.54 dBV/m



0 dB = 43.70 V/m = 32.81 dBV/m

HAC-RF Emission ANT1

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

Phantom section: RF Section

DASY5 Configuration:

- Probe: EF3DV3 - SN4041; ConvF(1, 1, 1) @ 1850.2 MHz; Calibrated: 3/18/2020
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1257; Calibrated: 10/10/2019
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

GSM1900 E-Field measurement/Voice_ch 512/Hearing Aid Compatibility Test (101x101x1):

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

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 17.60 V/m; Power Drift = 0.15 dB

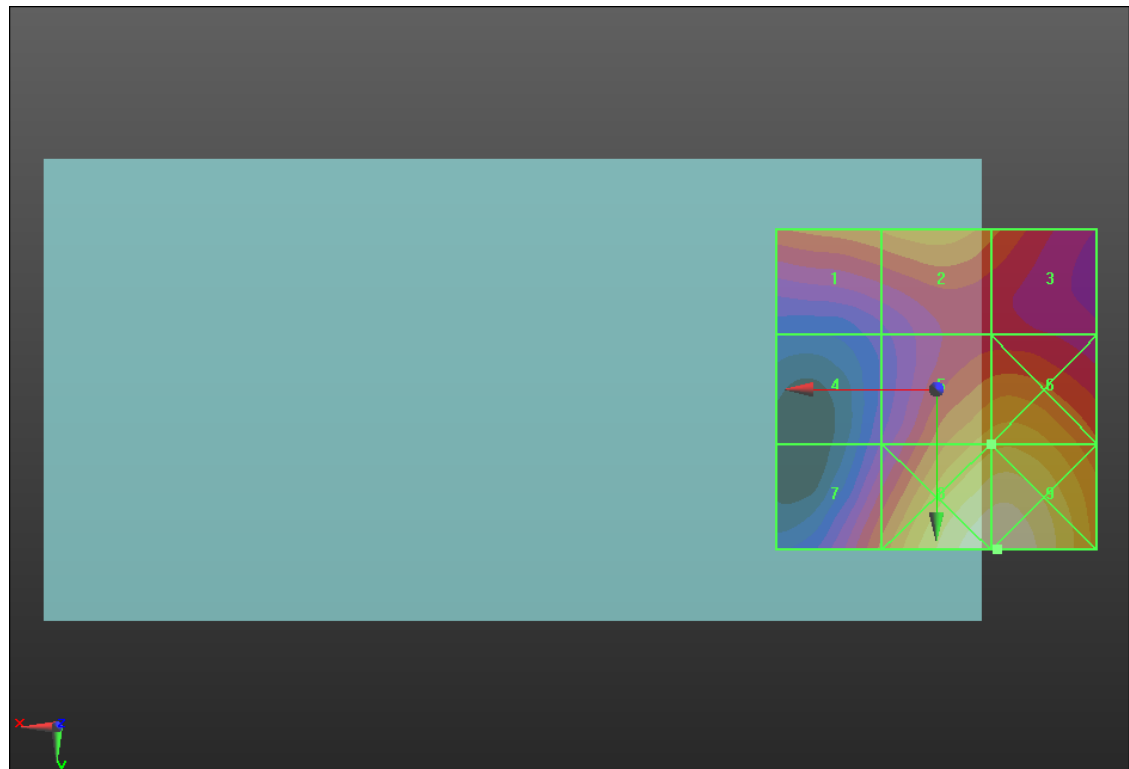
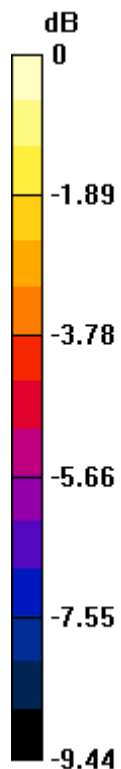
Applied MIF = 3.63 dB

RF audio interference level = 29.15 dBV/m

Emission category: **M4**

MIF scaled E-field

Grid 1 M4 28.22 dBV/m	Grid 2 M4 28.61 dBV/m	Grid 3 M4 27.73 dBV/m
Grid 4 M4 25.1 dBV/m	Grid 5 M4 29.15 dBV/m	Grid 6 M4 29.29 dBV/m
Grid 7 M4 27.72 dBV/m	Grid 8 M3 31.21 dBV/m	Grid 9 M3 31.24 dBV/m



0 dB = 36.49 V/m = 31.24 dBV/m

HAC-RF Emission ANT1

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

Phantom section: RF Section

DASY5 Configuration:

- Probe: EF3DV3 - SN4041; ConvF(1, 1, 1) @ 1880 MHz; Calibrated: 3/18/2020
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1257; Calibrated: 10/10/2019
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

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 = 15.67 V/m; Power Drift = 0.06 dB

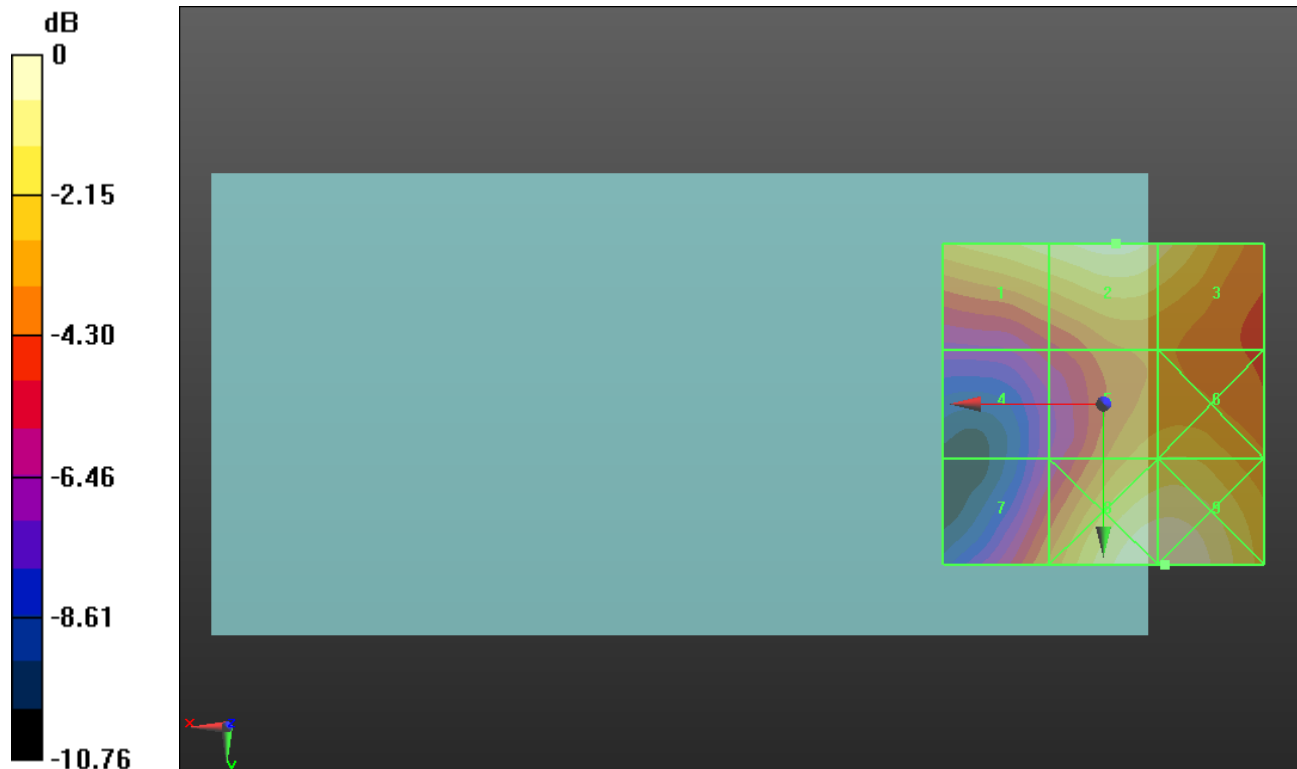
Applied MIF = 3.63 dB

RF audio interference level = 29.75 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 29.18 dBV/m	Grid 2 M4 29.75 dBV/m	Grid 3 M4 29.13 dBV/m
Grid 4 M4 24.84 dBV/m	Grid 5 M4 27.95 dBV/m	Grid 6 M4 28.08 dBV/m
Grid 7 M4 26.76 dBV/m	Grid 8 M3 30.13 dBV/m	Grid 9 M3 30.14 dBV/m



0 dB = 32.14 V/m = 30.14 dBV/m

HAC-RF Emission ANT1

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

Phantom section: RF Section

DASY5 Configuration:

- Probe: EF3DV3 - SN4041; ConvF(1, 1, 1) @ 1909.8 MHz; Calibrated: 3/18/2020
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1257; Calibrated: 10/10/2019
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

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 = 16.93 V/m; Power Drift = -0.12 dB

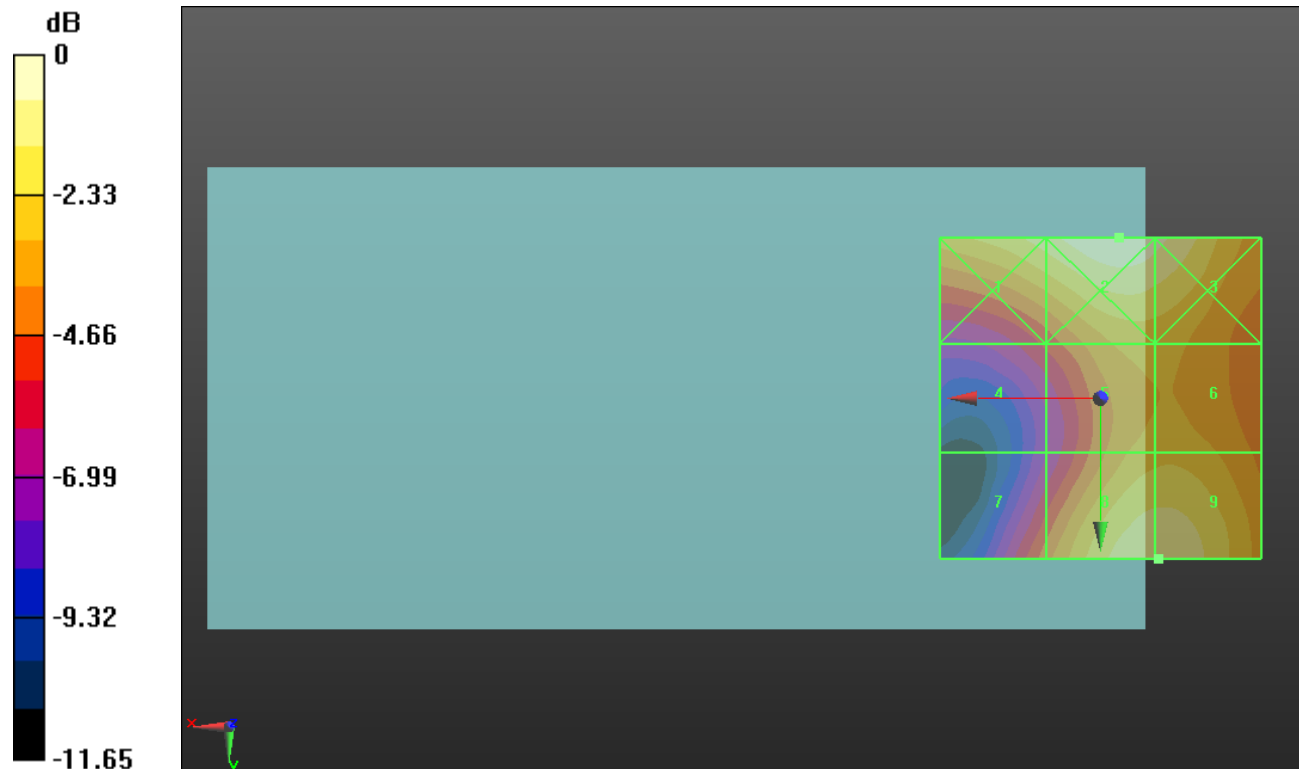
Applied MIF = 3.63 dB

RF audio interference level = 29.49 dBV/m

Emission category: **M4**

MIF scaled E-field

Grid 1 M4 29.28 dBV/m	Grid 2 M3 30.38 dBV/m	Grid 3 M4 29.9 dBV/m
Grid 4 M4 25.16 dBV/m	Grid 5 M4 27.78 dBV/m	Grid 6 M4 27.85 dBV/m
Grid 7 M4 26.23 dBV/m	Grid 8 M4 29.49 dBV/m	Grid 9 M4 29.49 dBV/m



0 dB = 33.03 V/m = 30.38 dBV/m

HAC-RF Emission ANT1

Communication System: UID 10295 - AAB, CDMA2000, RC1, SO3, 1/8th Rate 25 fr.; Frequency: 824.7 MHz; Duty Cycle: 1:17.746

Phantom section: RF Section

DASY5 Configuration:

- Probe: EF3DV3 - SN4041; ConvF(1, 1, 1) @ 824.7 MHz; Calibrated: 3/18/2020
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1257; Calibrated: 10/10/2019
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

CDMA2000 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 = 17.33 V/m; Power Drift = -0.08 dB

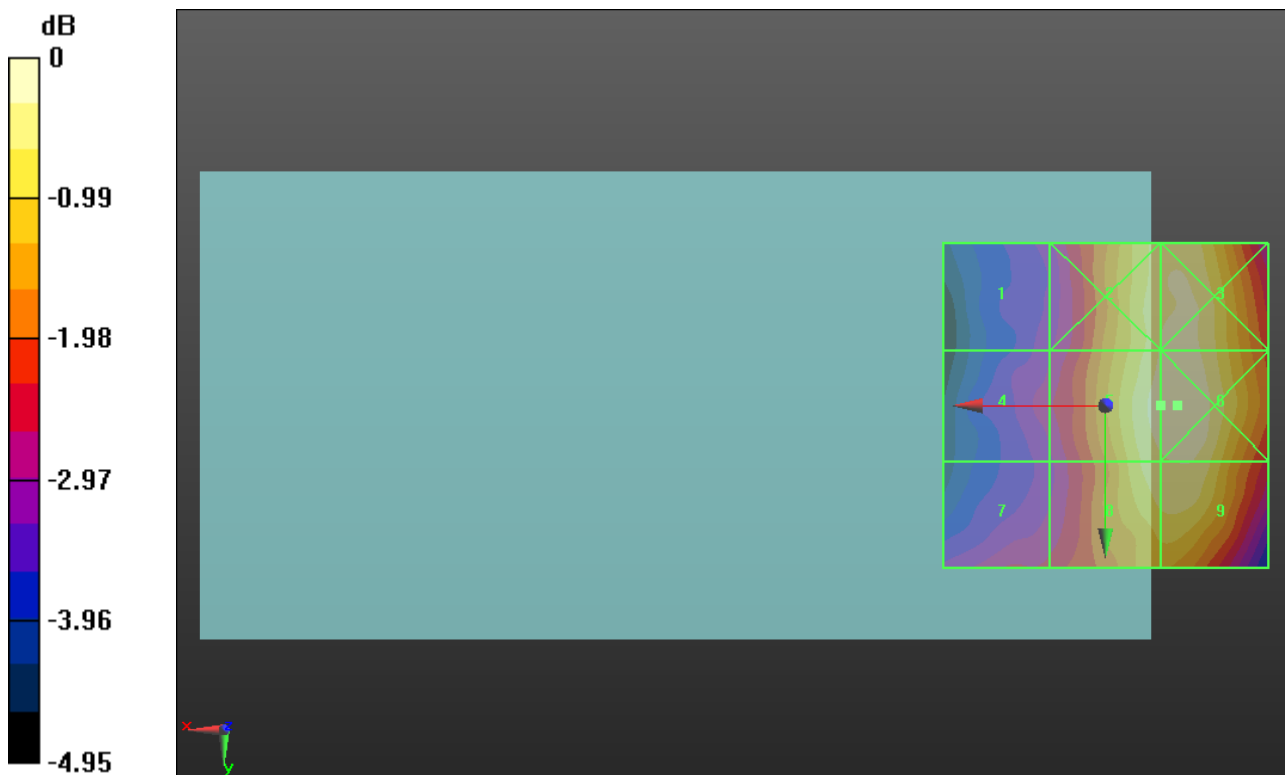
Applied MIF = 3.26 dB

RF audio interference level = 26.23 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 23.34 dBV/m	Grid 2 M4 26.05 dBV/m	Grid 3 M4 26.19 dBV/m
Grid 4 M4 23.67 dBV/m	Grid 5 M4 26.23 dBV/m	Grid 6 M4 26.34 dBV/m
Grid 7 M4 23.82 dBV/m	Grid 8 M4 25.95 dBV/m	Grid 9 M4 26.03 dBV/m



0 dB = 20.74 V/m = 26.34 dBV/m

HAC-RF Emission ANT1

Communication System: UID 10295 - AAB, CDMA2000, RC1, SO3, 1/8th Rate 25 fr.; Frequency: 836.52 MHz; Duty Cycle: 1:17.746

Phantom section: RF Section

DASY5 Configuration:

- Probe: EF3DV3 - SN4041; ConvF(1, 1, 1) @ 836.52 MHz; Calibrated: 3/18/2020
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1257; Calibrated: 10/10/2019
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

CDMA2000 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 = 16.99 V/m; Power Drift = -0.10 dB

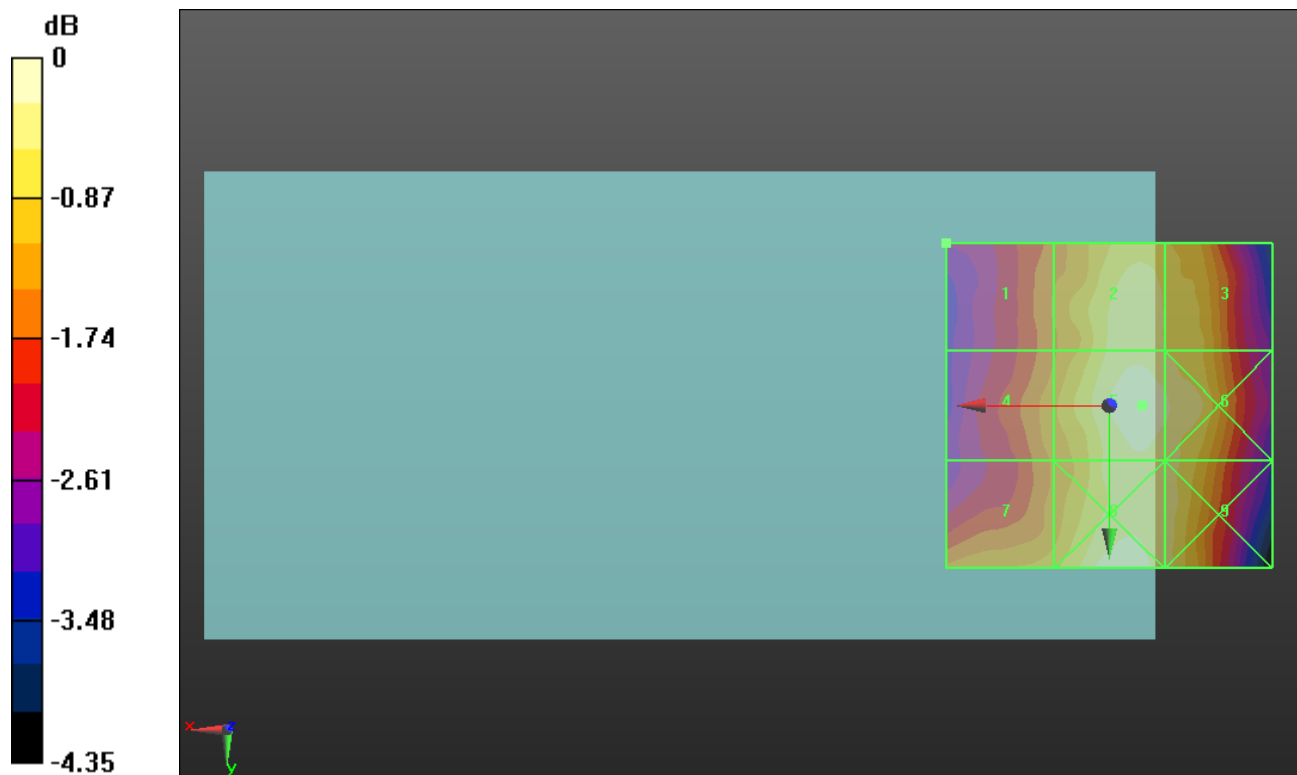
Applied MIF = 3.26 dB

RF audio interference level = 24.78 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 23.38 dBV/m	Grid 2 M4 24.46 dBV/m	Grid 3 M4 24.23 dBV/m
Grid 4 M4 23.57 dBV/m	Grid 5 M4 24.78 dBV/m	Grid 6 M4 24.55 dBV/m
Grid 7 M4 23.87 dBV/m	Grid 8 M4 24.72 dBV/m	Grid 9 M4 24.4 dBV/m



0 dB = 17.34 V/m = 24.78 dBV/m

HAC-RF Emission ANT1

Communication System: UID 10295 - AAB, CDMA2000, RC1, SO3, 1/8th Rate 25 fr.; Frequency: 848.31 MHz; Duty Cycle: 1:17.746

Phantom section: RF Section

DASY5 Configuration:

- Probe: EF3DV3 - SN4041; ConvF(1, 1, 1) @ 848.31 MHz; Calibrated: 3/18/2020
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1257; Calibrated: 10/10/2019
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

CDMA2000 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 = 17.42 V/m; Power Drift = 0.01 dB

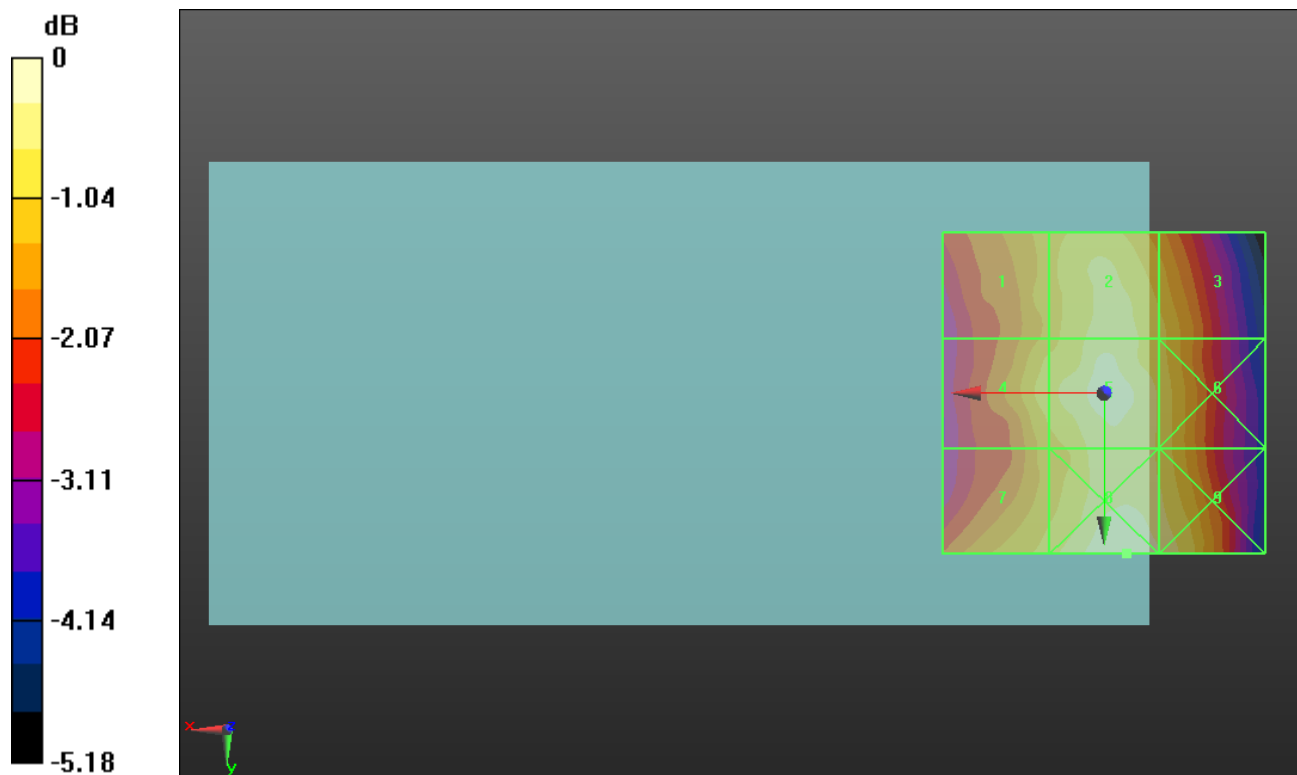
Applied MIF = 3.26 dB

RF audio interference level = 25.03 dBV/m

Emission category: **M4**

MIF scaled E-field

Grid 1 M4 24.09 dBV/m	Grid 2 M4 24.69 dBV/m	Grid 3 M4 24.31 dBV/m
Grid 4 M4 24.44 dBV/m	Grid 5 M4 25.03 dBV/m	Grid 6 M4 24.5 dBV/m
Grid 7 M4 24.38 dBV/m	Grid 8 M4 25.22 dBV/m	Grid 9 M4 24.94 dBV/m



0 dB = 18.23 V/m = 25.22 dBV/m

HAC-RF Emission ANT1

Communication System: UID 10295 - AAB, CDMA2000, RC1, SO3, 1/8th Rate 25 fr.; Frequency: 1851.25 MHz; Duty Cycle: 1:17.746

Phantom section: RF Section

DASY5 Configuration:

- Probe: EF3DV3 - SN4041; ConvF(1, 1, 1) @ 1851.25 MHz; Calibrated: 3/18/2020
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1257; Calibrated: 10/10/2019
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

CDMA2000 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 = 7.454 V/m; Power Drift = -0.02 dB

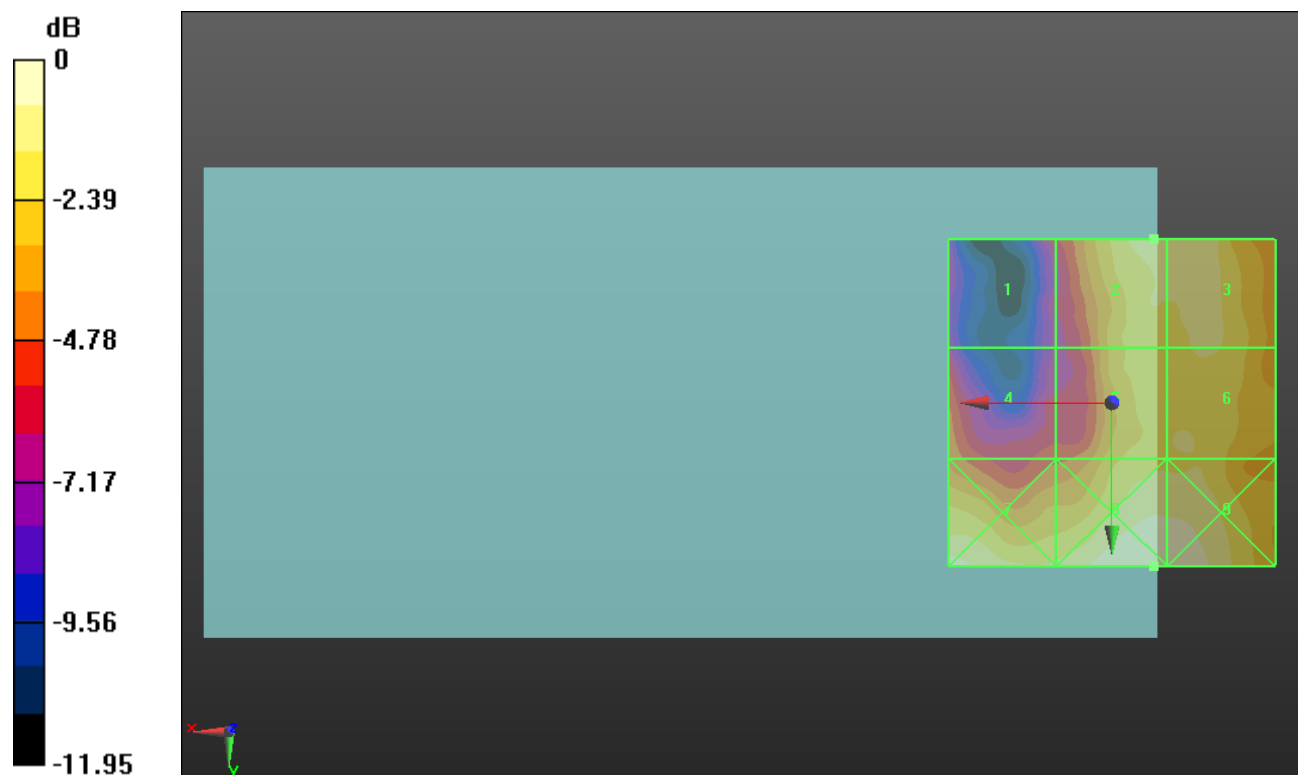
Applied MIF = 3.26 dB

RF audio interference level = 20.03 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 15.33 dBV/m	Grid 2 M4 20.03 dBV/m	Grid 3 M4 19.95 dBV/m
Grid 4 M4 16.95 dBV/m	Grid 5 M4 19.32 dBV/m	Grid 6 M4 19.57 dBV/m
Grid 7 M4 20.65 dBV/m	Grid 8 M4 21 dBV/m	Grid 9 M4 20.96 dBV/m



0 dB = 11.22 V/m = 21.00 dBV/m

HAC-RF Emission ANT1

Communication System: UID 10295 - AAB, CDMA2000, RC1, SO3, 1/8th Rate 25 fr.; Frequency: 1880 MHz; Duty Cycle: 1:17.746

Phantom section: RF Section

DASY5 Configuration:

- Probe: EF3DV3 - SN4041; ConvF(1, 1, 1) @ 1880 MHz; Calibrated: 3/18/2020
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1257; Calibrated: 10/10/2019
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

CDMA2000 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 = 7.982 V/m; Power Drift = -0.08 dB

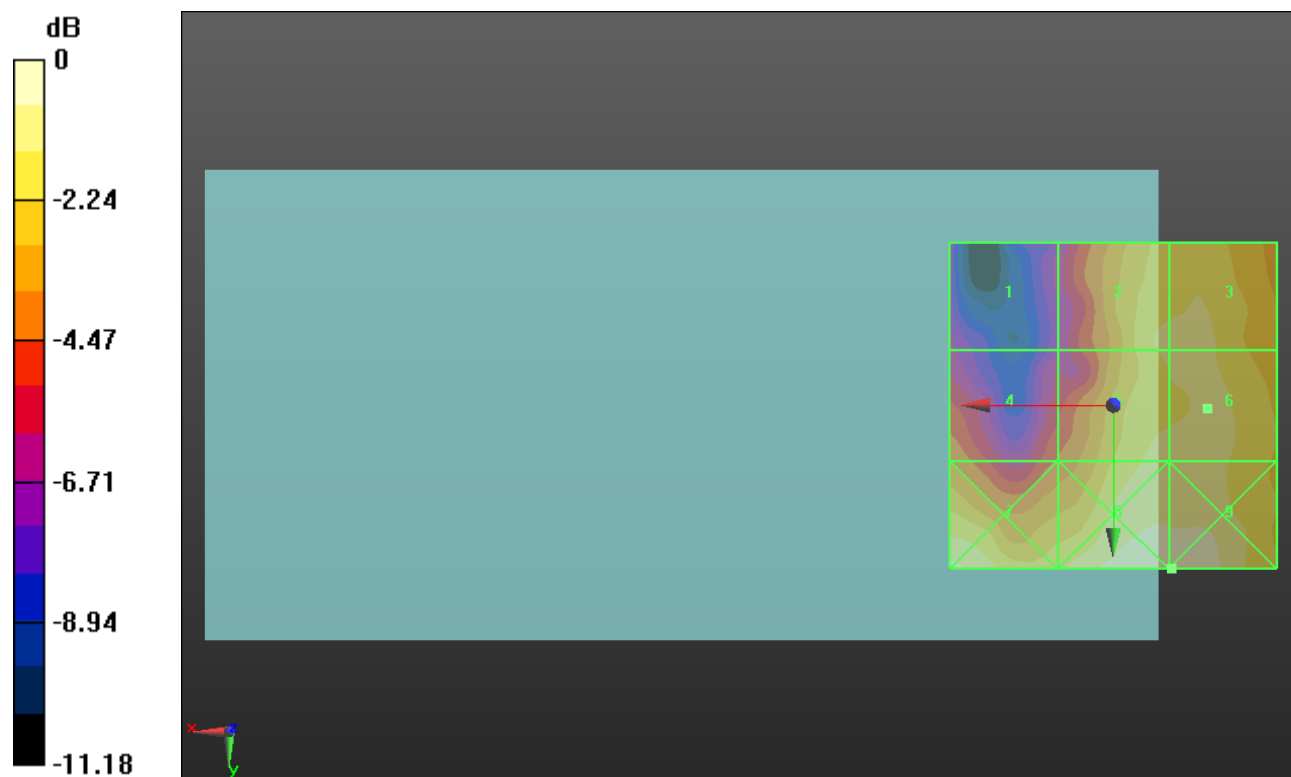
Applied MIF = 3.26 dB

RF audio interference level = 21.08 dBV/m

Emission category: **M4**

MIF scaled E-field

Grid 1 M4 15.77 dBV/m	Grid 2 M4 20.74 dBV/m	Grid 3 M4 20.86 dBV/m
Grid 4 M4 18.35 dBV/m	Grid 5 M4 20.79 dBV/m	Grid 6 M4 21.08 dBV/m
Grid 7 M4 21.65 dBV/m	Grid 8 M4 22.09 dBV/m	Grid 9 M4 22.1 dBV/m



0 dB = 12.73 V/m = 22.10 dBV/m

HAC-RF Emission ANT1

Communication System: UID 10295 - AAB, CDMA2000, RC1, SO3, 1/8th Rate 25 fr.; Frequency: 1908.75 MHz; Duty Cycle: 1:17.746

Phantom section: RF Section

DASY5 Configuration:

- Probe: EF3DV3 - SN4041; ConvF(1, 1, 1) @ 1908.75 MHz; Calibrated: 3/18/2020
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1257; Calibrated: 10/10/2019
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

CDMA2000 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 = 8.018 V/m; Power Drift = -0.12 dB

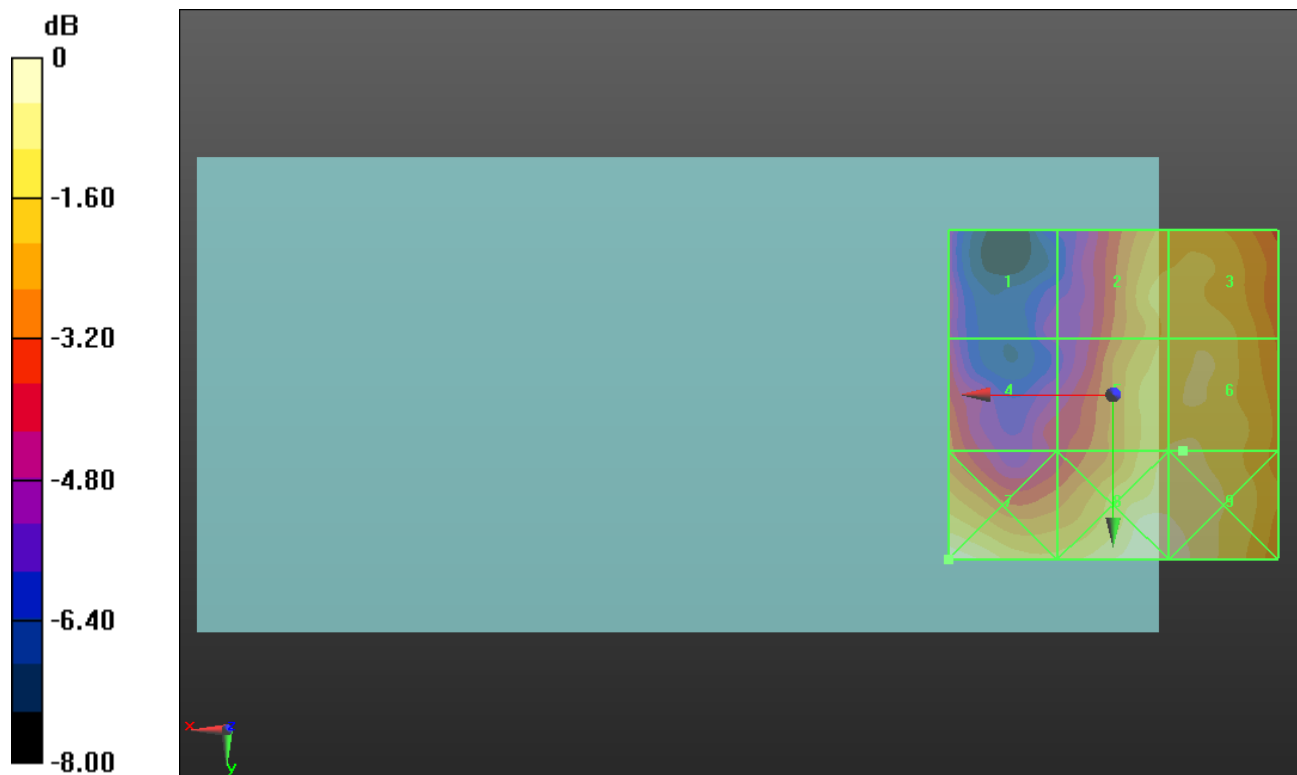
Applied MIF = 3.26 dB

RF audio interference level = 20.66 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 17.48 dBV/m	Grid 2 M4 20.22 dBV/m	Grid 3 M4 20.45 dBV/m
Grid 4 M4 18.63 dBV/m	Grid 5 M4 20.57 dBV/m	Grid 6 M4 20.66 dBV/m
Grid 7 M4 21.56 dBV/m	Grid 8 M4 21.37 dBV/m	Grid 9 M4 21.29 dBV/m



0 dB = 11.97 V/m = 21.56 dBV/m

HAC-RF Emission ANT1

Communication System: UID 10295 - AAB, CDMA2000, RC1, SO3, 1/8th Rate 25 fr.; Frequency: 817.3 MHz; Duty Cycle: 1:17.746

Phantom section: RF Section

DASY5 Configuration:

- Probe: EF3DV3 - SN4041; ConvF(1, 1, 1) @ 817.3 MHz; Calibrated: 3/18/2020
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1257; Calibrated: 10/10/2019
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

CDMA2000 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 = 17.51 V/m; Power Drift = -0.08 dB

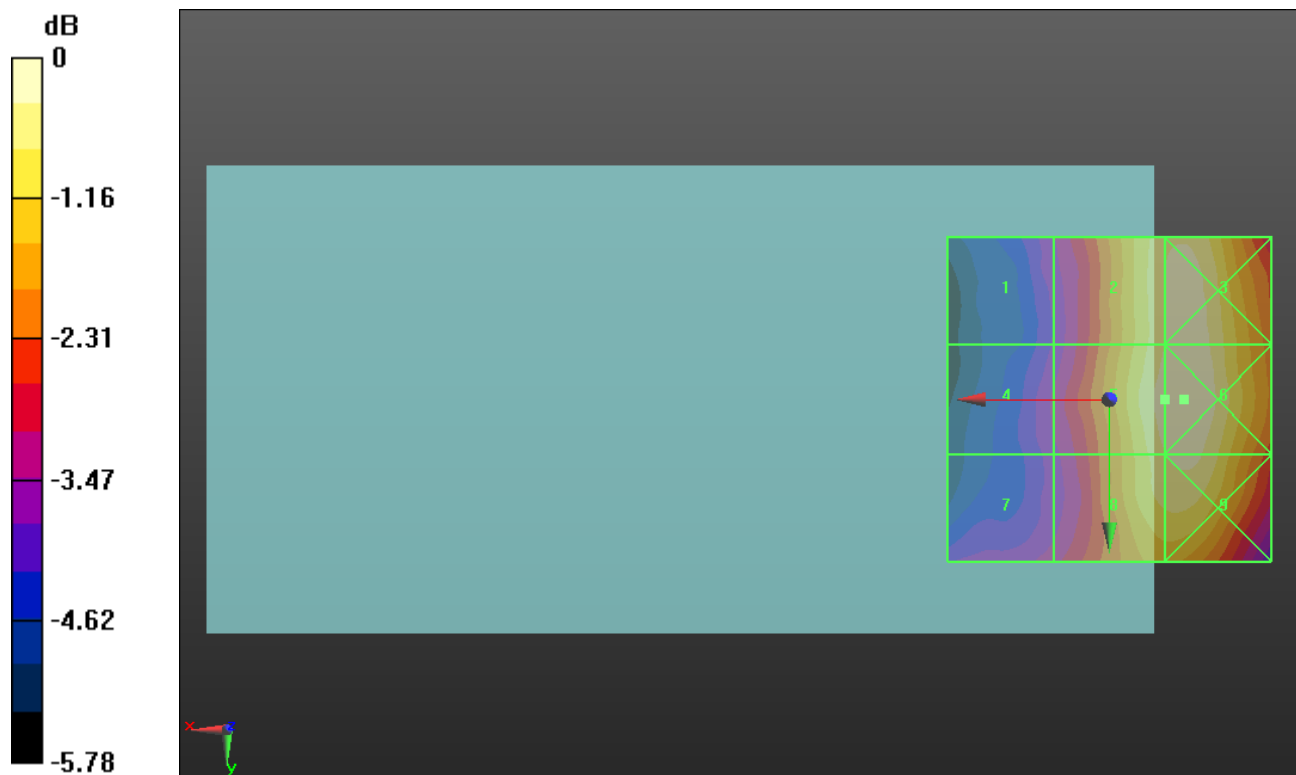
Applied MIF = 3.26 dB

RF audio interference level = 26.86 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 23.55 dBV/m	Grid 2 M4 26.65 dBV/m	Grid 3 M4 26.86 dBV/m
Grid 4 M4 23.66 dBV/m	Grid 5 M4 26.86 dBV/m	Grid 6 M4 27.02 dBV/m
Grid 7 M4 23.84 dBV/m	Grid 8 M4 26.61 dBV/m	Grid 9 M4 26.77 dBV/m



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

HAC-RF Emission ANT1

Communication System: UID 10295 - AAB, CDMA2000, RC1, SO3, 1/8th Rate 25 fr.; Frequency: 820 MHz; Duty Cycle: 1:17.746

Phantom section: RF Section

DASY5 Configuration:

- Probe: EF3DV3 - SN4041; ConvF(1, 1, 1) @ 820 MHz; Calibrated: 3/18/2020
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1257; Calibrated: 10/10/2019
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW26.: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

CDMA2000 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 = 17.40 V/m; Power Drift = 0.04 dB

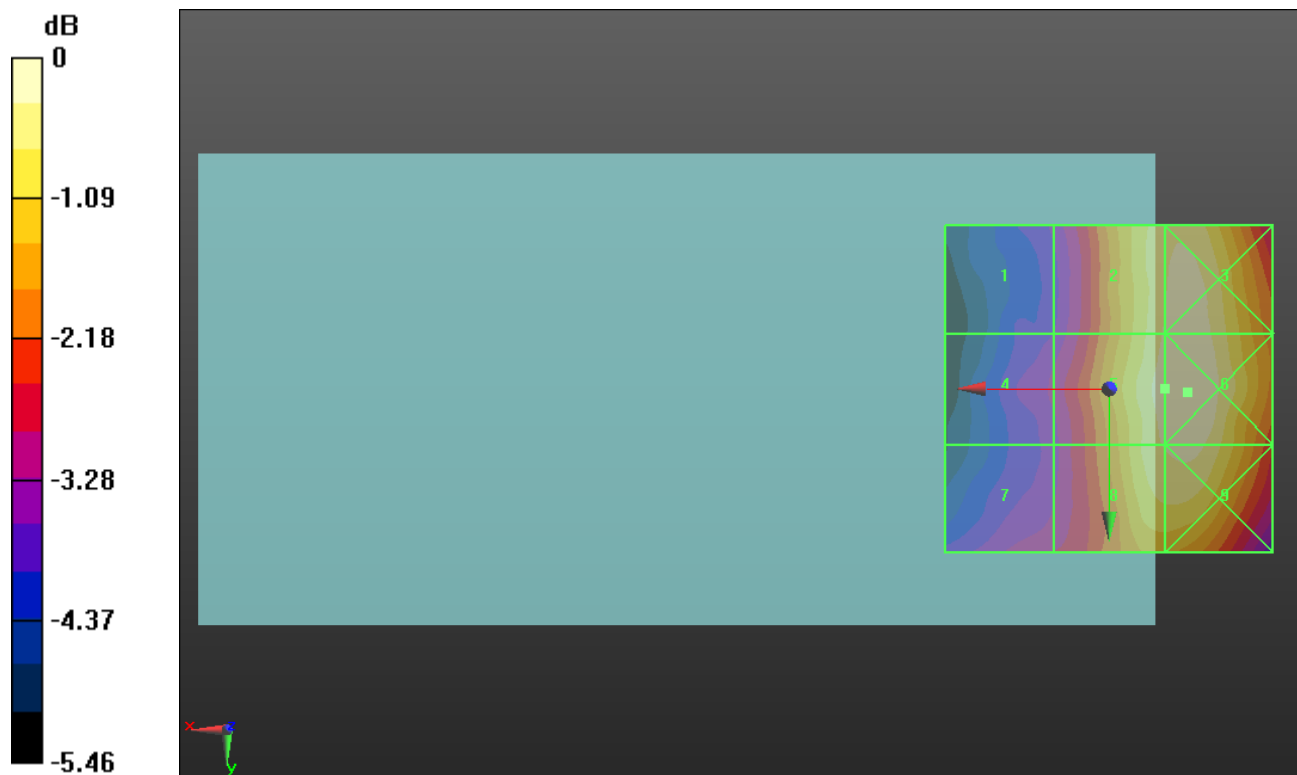
Applied MIF = 3.26 dB

RF audio interference level = 26.72 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 23.36 dBV/m	Grid 2 M4 26.56 dBV/m	Grid 3 M4 26.74 dBV/m
Grid 4 M4 23.71 dBV/m	Grid 5 M4 26.72 dBV/m	Grid 6 M4 26.87 dBV/m
Grid 7 M4 23.98 dBV/m	Grid 8 M4 26.54 dBV/m	Grid 9 M4 26.65 dBV/m



0 dB = 22.06 V/m = 26.87 dBV/m

HAC-RF Emission ANT1

Communication System: UID 10295 - AAB, CDMA2000, RC1, SO3, 1/8th Rate 25 fr.; Frequency: 822.75 MHz; Duty Cycle: 1:17.746

Phantom section: RF Section

DASY5 Configuration:

- Probe: EF3DV3 - SN4041; ConvF(1, 1, 1) @ 822.75 MHz; Calibrated: 3/18/2020
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1257; Calibrated: 10/10/2019
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.10 (2);SEMCAD X Version 14.6.12 (7470)

CDMA2000 BC10 E-Field measurement/RC1_SO3_Ch.670/Hearing Aid Compatibility

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

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 17.50 V/m; Power Drift = 0.10 dB

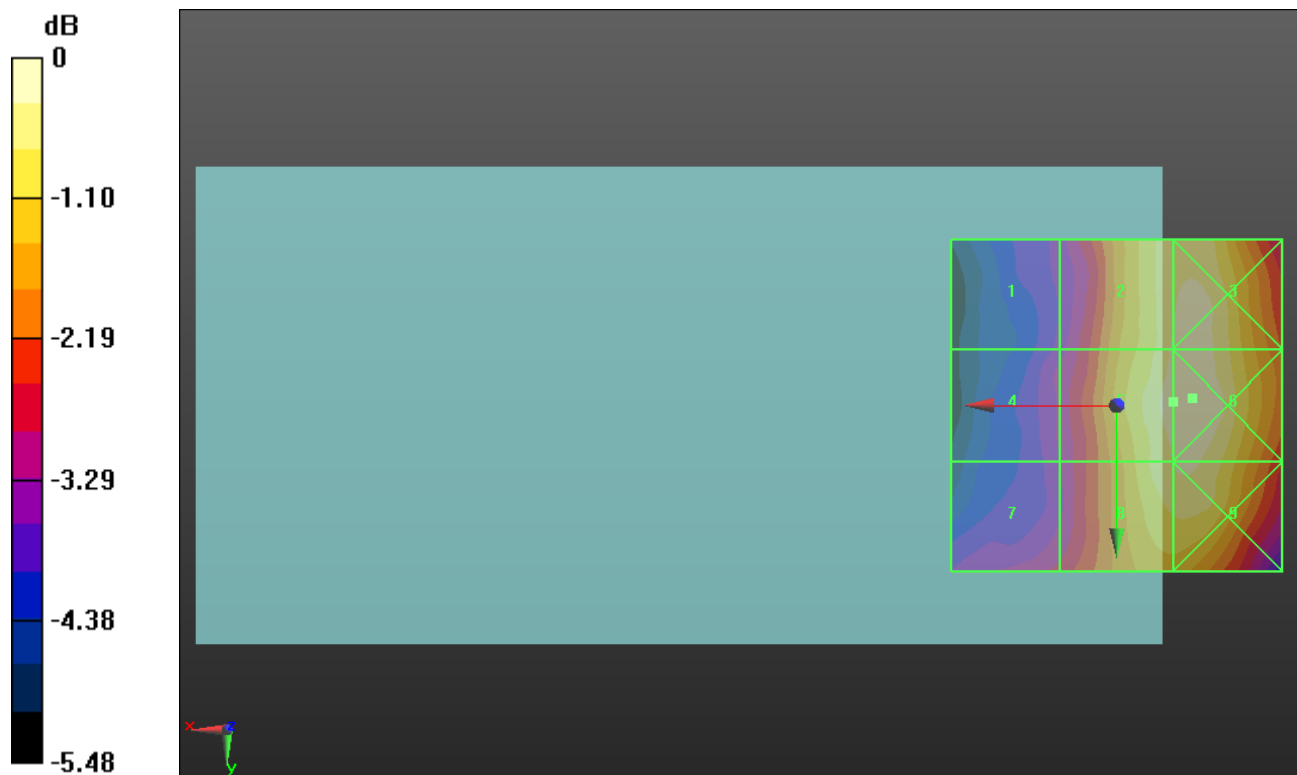
Applied MIF = 3.26 dB

RF audio interference level = 26.76 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 23.46 dBV/m	Grid 2 M4 26.59 dBV/m	Grid 3 M4 26.75 dBV/m
Grid 4 M4 23.75 dBV/m	Grid 5 M4 26.76 dBV/m	Grid 6 M4 26.89 dBV/m
Grid 7 M4 24.12 dBV/m	Grid 8 M4 26.53 dBV/m	Grid 9 M4 26.6 dBV/m



0 dB = 22.10 V/m = 26.89 dBV/m

HAC-RF Emission ANT1

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

Phantom section: RF Section

DASY5 Configuration:

- Probe: EF3DV3 - SN4041; ConvF(1, 1, 1) @ 2506 MHz; Calibrated: 3/18/2020
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1257; Calibrated: 10/10/2019
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

LTE Band 41_E-Field measurement/SC-FDMA RB 1/49 20 MHz 16QAM 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 = 10.29 V/m; Power Drift = -0.17 dB

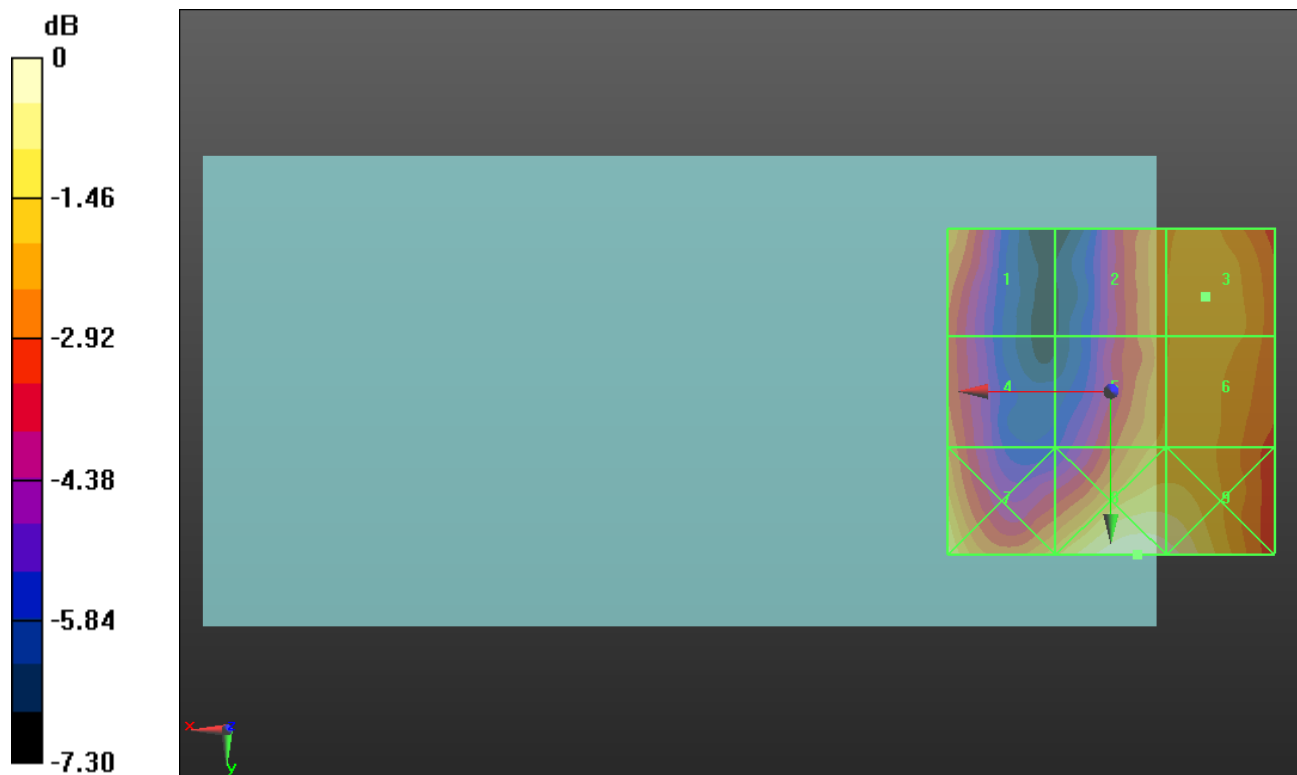
Applied MIF = -1.44 dB

RF audio interference level = 19.74 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 19.21 dBV/m	Grid 2 M4 19.36 dBV/m	Grid 3 M4 19.74 dBV/m
Grid 4 M4 18.86 dBV/m	Grid 5 M4 19.5 dBV/m	Grid 6 M4 19.65 dBV/m
Grid 7 M4 20.63 dBV/m	Grid 8 M4 21.29 dBV/m	Grid 9 M4 21.07 dBV/m



0 dB = 11.61 V/m = 21.30 dBV/m

HAC-RF Emission ANT1

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

Phantom section: RF Section

DASY5 Configuration:

- Probe: EF3DV3 - SN4041; ConvF(1, 1, 1) @ 2549.5 MHz; Calibrated: 3/18/2020
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1257; Calibrated: 10/10/2019
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

LTE Band 41_E-Field measurement/SC-FDMA RB 1/49 20 MHz 16QAM Ch.

40185/Hearing Aid Compatibility Test (101x101x1): Interpolated grid: dx=0.5000 mm, dy=0.5000 mm

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 10.21 V/m; Power Drift = -0.13 dB

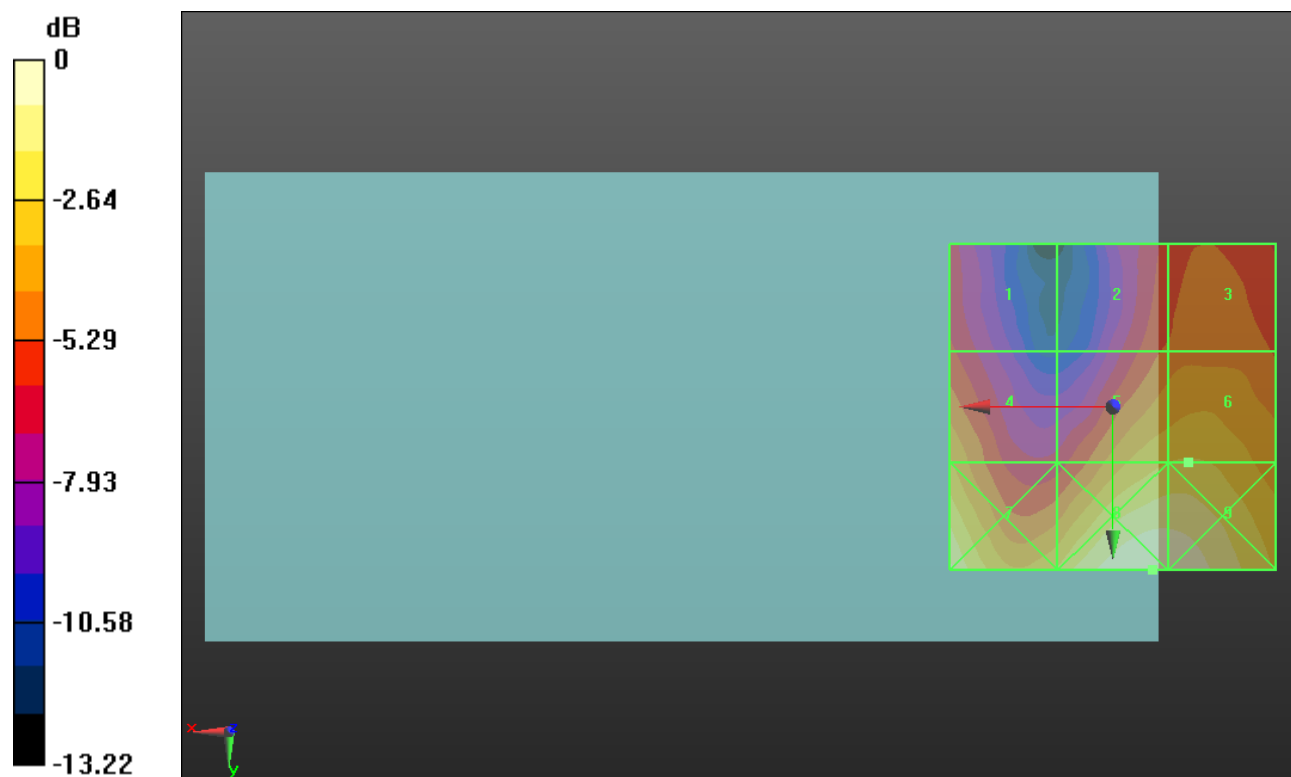
Applied MIF = -1.44 dB

RF audio interference level = 20.47 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 17.08 dBV/m	Grid 2 M4 17.92 dBV/m	Grid 3 M4 18.36 dBV/m
Grid 4 M4 19.63 dBV/m	Grid 5 M4 20.35 dBV/m	Grid 6 M4 20.47 dBV/m
Grid 7 M4 22.36 dBV/m	Grid 8 M4 22.98 dBV/m	Grid 9 M4 22.89 dBV/m



0 dB = 14.10 V/m = 22.98 dBV/m

HAC-RF Emission ANT1

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

Phantom section: RF Section

DASY5 Configuration:

- Probe: EF3DV3 - SN4041; ConvF(1, 1, 1) @ 2593 MHz; Calibrated: 3/18/2020
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1257; Calibrated: 10/10/2019
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

LTE Band 41_E-Field measurement/SC-FDMA RB 1/49 20 MHz 16QAM 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 = 11.63 V/m; Power Drift = 0.00 dB

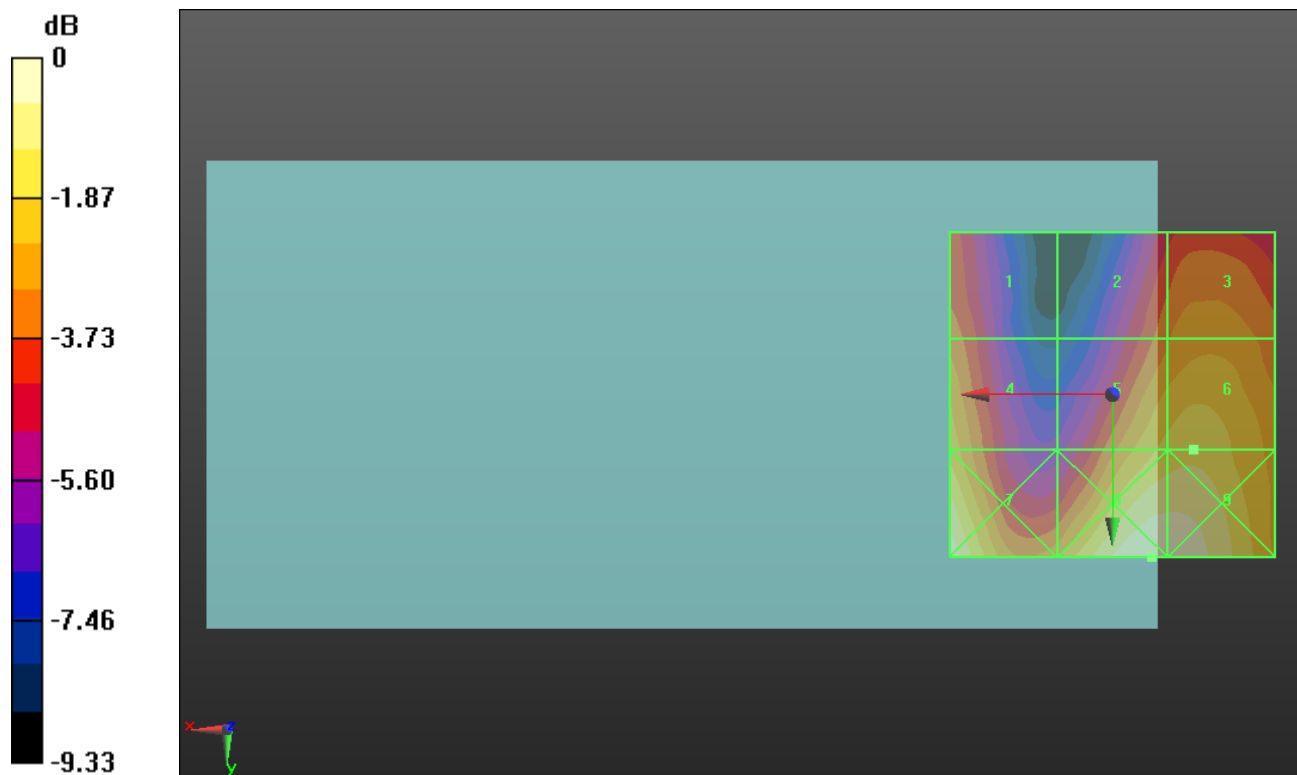
Applied MIF = -1.44 dB

RF audio interference level = 21.43 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 19.54 dBV/m	Grid 2 M4 19.68 dBV/m	Grid 3 M4 20.17 dBV/m
Grid 4 M4 20.84 dBV/m	Grid 5 M4 21.22 dBV/m	Grid 6 M4 21.43 dBV/m
Grid 7 M4 22.76 dBV/m	Grid 8 M4 22.84 dBV/m	Grid 9 M4 22.74 dBV/m



0 dB = 13.87 V/m = 22.84 dBV/m

HAC-RF Emission ANT1

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

Phantom section: RF Section

DASY5 Configuration:

- Probe: EF3DV3 - SN4041; ConvF(1, 1, 1) @ 2636.5 MHz; Calibrated: 3/18/2020
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1257; Calibrated: 10/10/2019
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

LTE Band 41_E-Field measurement/SC-FDMA RB 1/49 20 MHz 16QAM 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 = 11.52 V/m; Power Drift = -0.11 dB

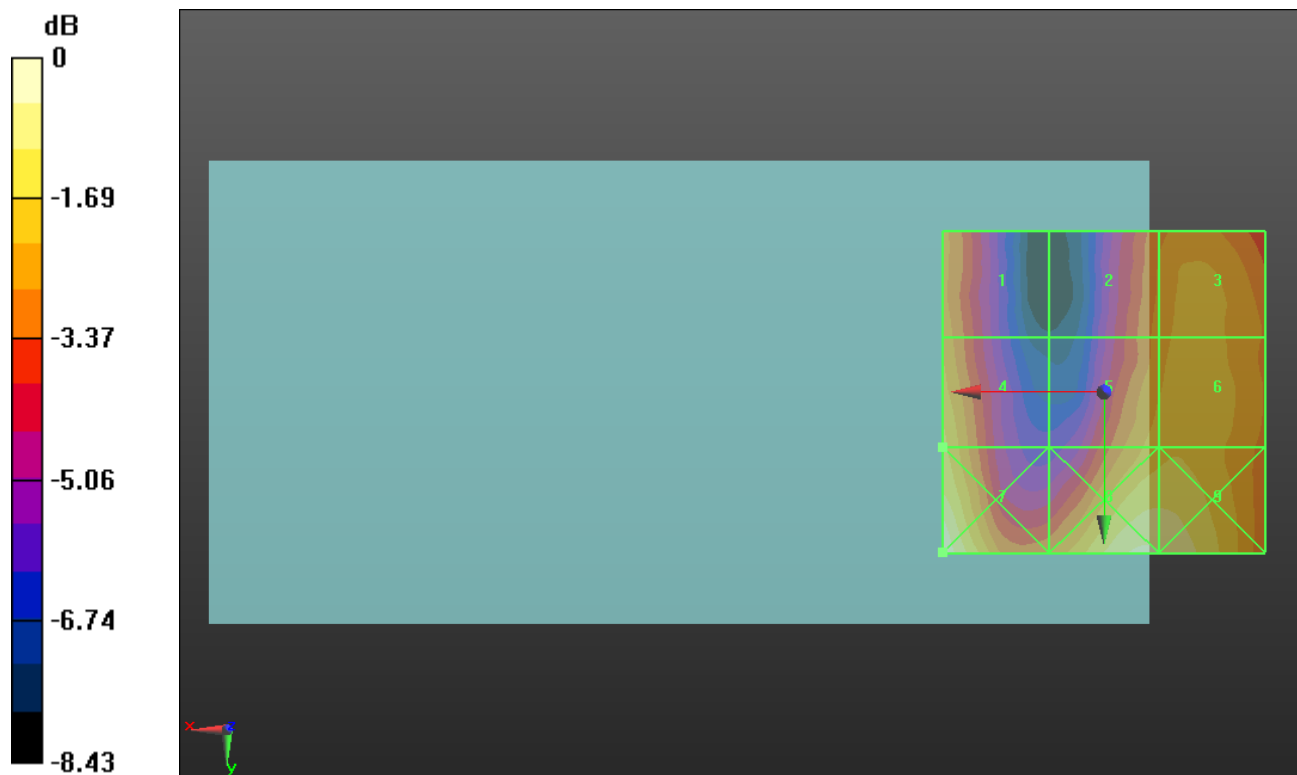
Applied MIF = -1.44 dB

RF audio interference level = 21.27 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 20.39 dBV/m	Grid 2 M4 20.21 dBV/m	Grid 3 M4 20.81 dBV/m
Grid 4 M4 21.27 dBV/m	Grid 5 M4 20.86 dBV/m	Grid 6 M4 21.02 dBV/m
Grid 7 M4 22.78 dBV/m	Grid 8 M4 22.35 dBV/m	Grid 9 M4 22.26 dBV/m



0 dB = 13.77 V/m = 22.78 dBV/m

HAC-RF Emission ANT1

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

Phantom section: RF Section

DASY5 Configuration:

- Probe: EF3DV3 - SN4041; ConvF(1, 1, 1) @ 2680 MHz; Calibrated: 3/18/2020
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1257; Calibrated: 10/10/2019
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

LTE Band 41_E-Field measurement/SC-FDMA RB 1/49 20 MHz 16QAM Ch.

41490/Hearing Aid Compatibility Test (101x101x1): Interpolated grid: dx=0.5000 mm, dy=0.5000 mm

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 10.44 V/m; Power Drift = -0.02 dB

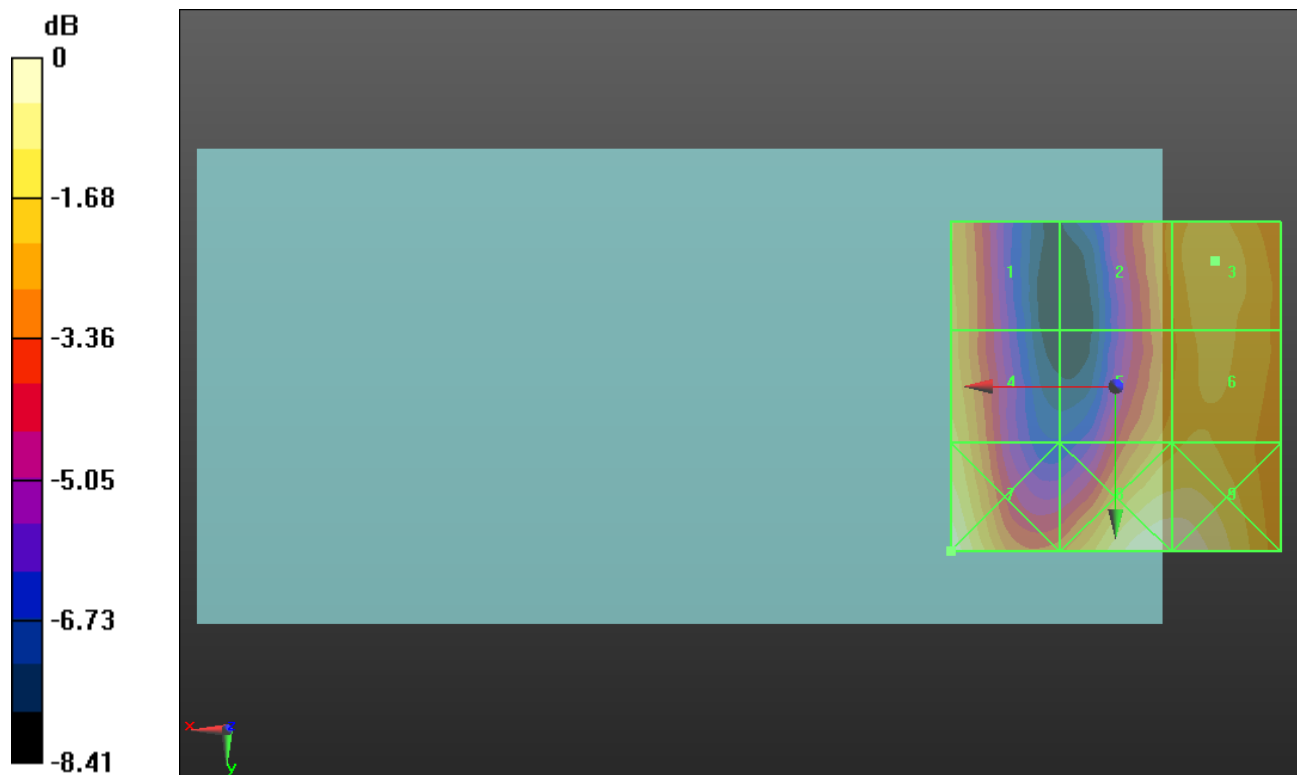
Applied MIF = -1.44 dB

RF audio interference level = 21.16 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 20.45 dBV/m	Grid 2 M4 20.45 dBV/m	Grid 3 M4 21.16 dBV/m
Grid 4 M4 21.05 dBV/m	Grid 5 M4 20.58 dBV/m	Grid 6 M4 20.94 dBV/m
Grid 7 M4 22.44 dBV/m	Grid 8 M4 22.42 dBV/m	Grid 9 M4 22.39 dBV/m



0 dB = 13.25 V/m = 22.44 dBV/m

HAC-RF Emission ANT1

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

Phantom section: RF Section

DASY5 Configuration:

- Probe: EF3DV3 - SN4041; ConvF(1, 1, 1) @ 2506 MHz; Calibrated: 3/18/2020

- Sensor-Surface: (Fix Surface)

- Electronics: DAE4 Sn1257; Calibrated: 10/10/2019

- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB

- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

LTE Band 41_Power Class 2 E-Field measurement/SC-FDMA RB 1/49 20 MHz 16QAM

Ch. 39750/Hearing Aid Compatibility Test (101x101x1): Interpolated grid: dx=0.5000 mm, dy=0.5000 mm

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 14.13 V/m; Power Drift = 0.02 dB

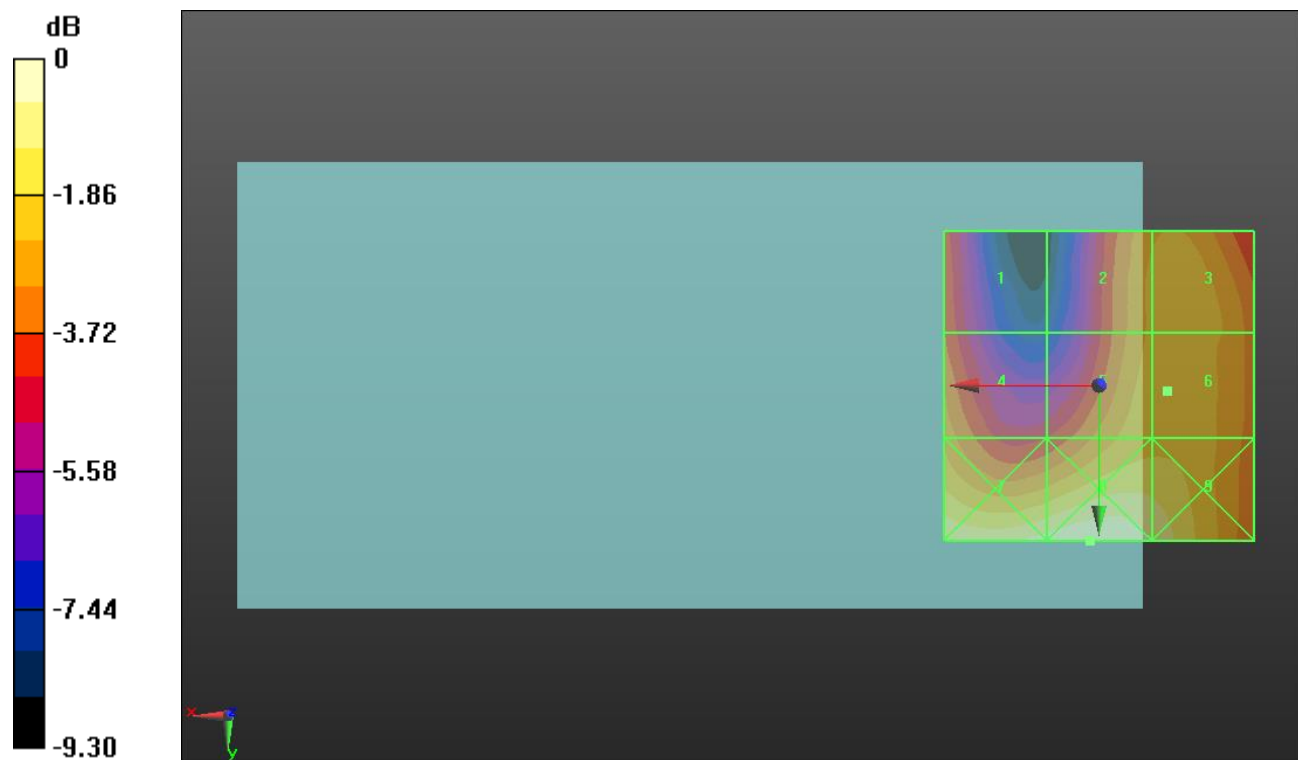
Applied MIF = -1.44 dB

RF audio interference level = 21.96 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 20.22 dBV/m	Grid 2 M4 21.58 dBV/m	Grid 3 M4 21.88 dBV/m
Grid 4 M4 21.25 dBV/m	Grid 5 M4 21.86 dBV/m	Grid 6 M4 21.96 dBV/m
Grid 7 M4 23.56 dBV/m	Grid 8 M4 23.88 dBV/m	Grid 9 M4 23.23 dBV/m



0 dB = 15.63 V/m = 23.88 dBV/m

HAC-RF Emission ANT1

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

Phantom section: RF Section

DASY5 Configuration:

- Probe: EF3DV3 - SN4041; ConvF(1, 1, 1) @ 2549.5 MHz; Calibrated: 3/18/2020
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1257; Calibrated: 10/10/2019
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

LTE Band 41_Power Class 2 E-Field measurement/SC-FDMA RB 1/49 20 MHz 16QAM
Ch. 40185/Hearing Aid Compatibility Test (101x101x1): Interpolated grid: dx=0.5000 mm, dy=0.5000 mm

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 14.23 V/m; Power Drift = 0.03 dB

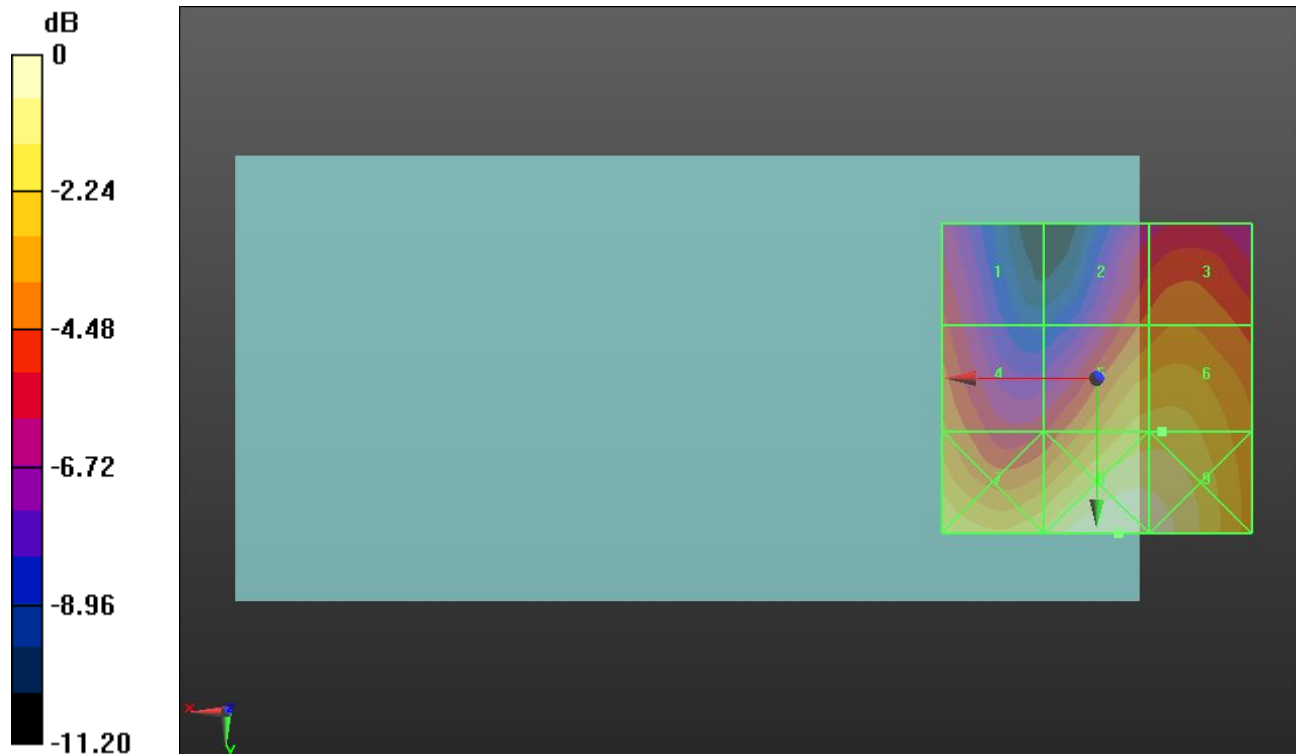
Applied MIF = -1.44 dB

RF audio interference level = 23.11 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 20.02 dBV/m	Grid 2 M4 20.8 dBV/m	Grid 3 M4 21.22 dBV/m
Grid 4 M4 21.49 dBV/m	Grid 5 M4 23.07 dBV/m	Grid 6 M4 23.11 dBV/m
Grid 7 M4 23.75 dBV/m	Grid 8 M4 24.92 dBV/m	Grid 9 M4 24.67 dBV/m



0 dB = 17.62 V/m = 24.92 dBV/m

HAC-RF Emission ANT1

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

Phantom section: RF Section

DASY5 Configuration:

- Probe: EF3DV3 - SN4041; ConvF(1, 1, 1) @ 2593 MHz; Calibrated: 3/18/2020

- Sensor-Surface: (Fix Surface)

- Electronics: DAE4 Sn1257; Calibrated: 10/10/2019

- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB

- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

LTE Band 41_Power Class 2 E-Field measurement/SC-FDMA RB 1/49 20 MHz 16QAM

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 = 16.58 V/m; Power Drift = -0.01 dB

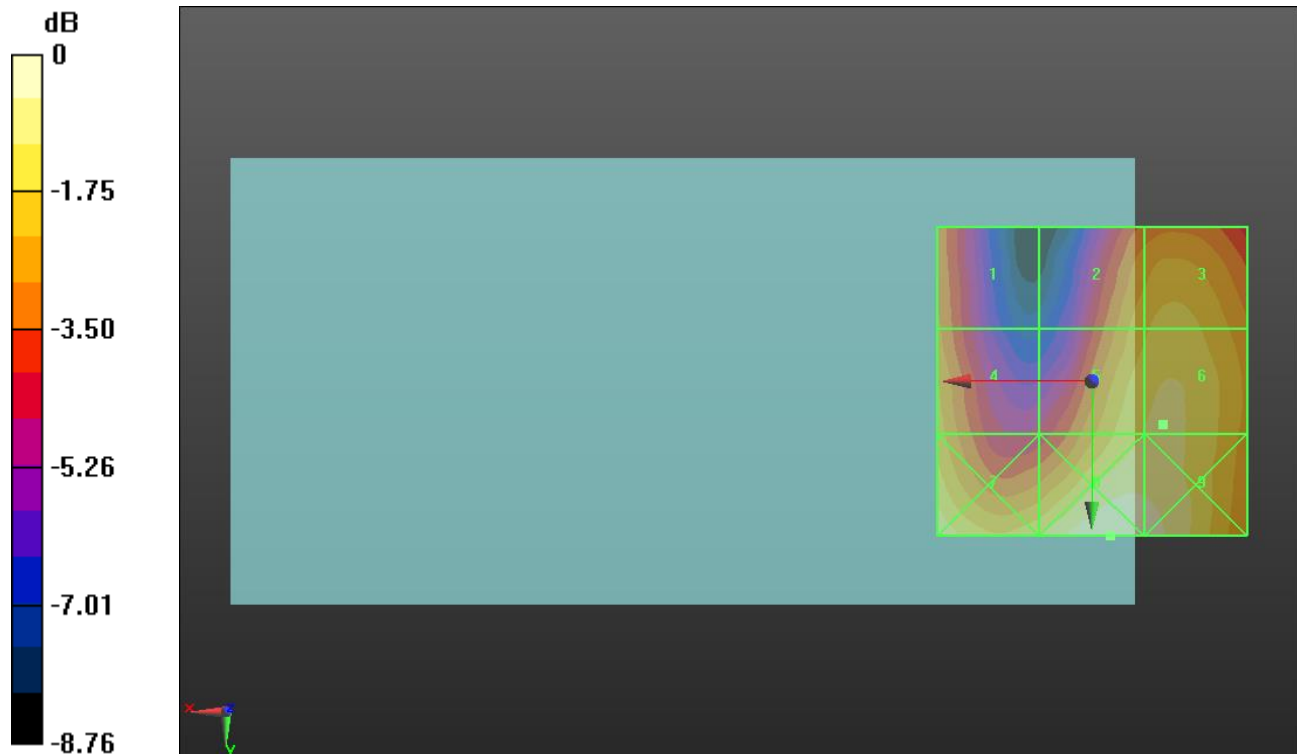
Applied MIF = -1.44 dB

RF audio interference level = 23.80 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 22.1 dBV/m	Grid 2 M4 22.99 dBV/m	Grid 3 M4 23.34 dBV/m
Grid 4 M4 22.92 dBV/m	Grid 5 M4 23.69 dBV/m	Grid 6 M4 23.8 dBV/m
Grid 7 M4 24.25 dBV/m	Grid 8 M4 24.85 dBV/m	Grid 9 M4 24.6 dBV/m



0 dB = 17.47 V/m = 24.85 dBV/m

HAC-RF Emission ANT1

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

Phantom section: RF Section

DASY5 Configuration:

- Probe: EF3DV3 - SN4041; ConvF(1, 1, 1) @ 2636.5 MHz; Calibrated: 3/18/2020
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1257; Calibrated: 10/10/2019
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

LTE Band 41_Power Class 2 E-Field measurement/SC-FDMA RB 1/49 20 MHz 16QAM
Ch. 41055/Hearing Aid Compatibility Test (101x101x1): Interpolated grid: dx=0.5000 mm, dy=0.5000 mm

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 15.40 V/m; Power Drift = -0.04 dB

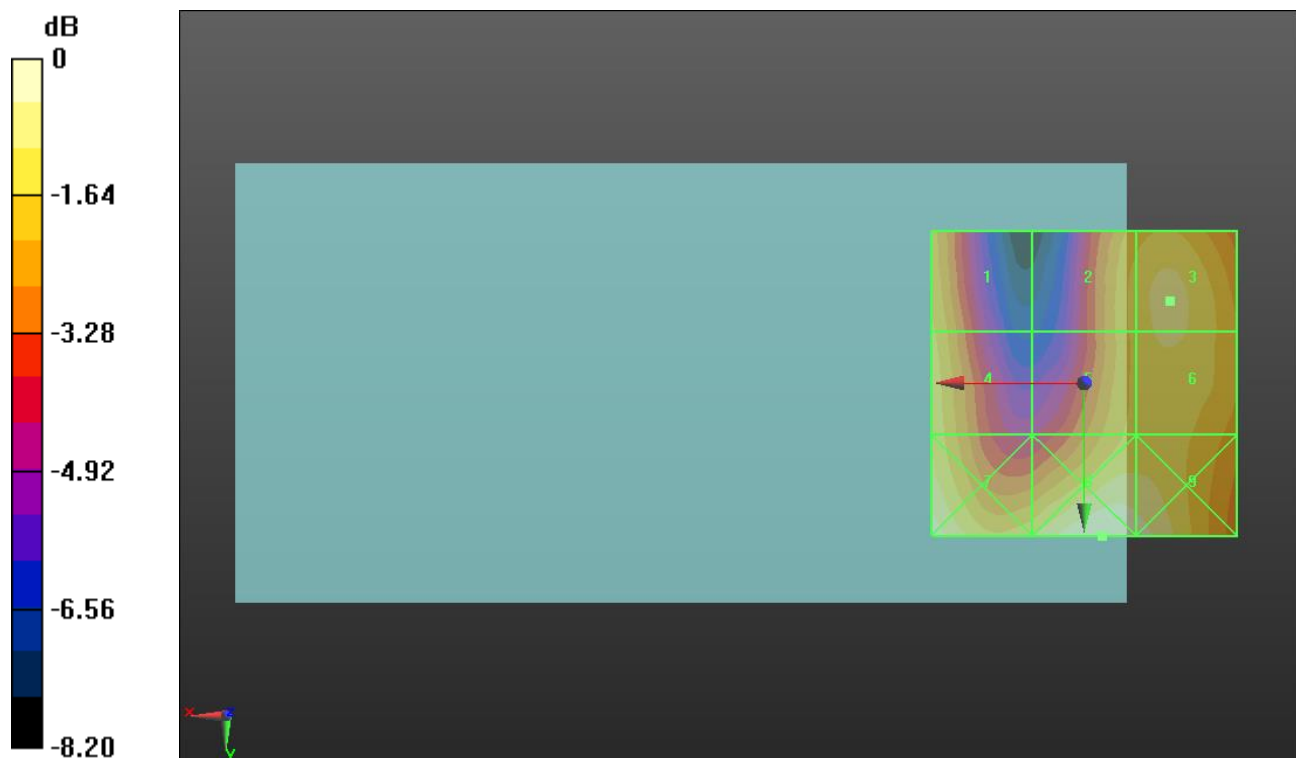
Applied MIF = -1.44 dB

RF audio interference level = 23.74 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 23.17 dBV/m	Grid 2 M4 23.3 dBV/m	Grid 3 M4 23.74 dBV/m
Grid 4 M4 23.56 dBV/m	Grid 5 M4 23.25 dBV/m	Grid 6 M4 23.68 dBV/m
Grid 7 M4 24.54 dBV/m	Grid 8 M4 24.69 dBV/m	Grid 9 M4 24.43 dBV/m



0 dB = 17.15 V/m = 24.69 dBV/m

HAC-RF Emission ANT1

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

Phantom section: RF Section

DASY5 Configuration:

- Probe: EF3DV3 - SN4041; ConvF(1, 1, 1) @ 2680 MHz; Calibrated: 3/18/2020

- Sensor-Surface: (Fix Surface)

- Electronics: DAE4 Sn1257; Calibrated: 10/10/2019

- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB

- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

LTE Band 41_Power Class 2 E-Field measurement/SC-FDMA RB 1/49 20 MHz 16QAM

Ch. 41490/Hearing Aid Compatibility Test (101x101x1): Interpolated grid: dx=0.5000 mm, dy=0.5000 mm

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 15.14 V/m; Power Drift = -0.08 dB

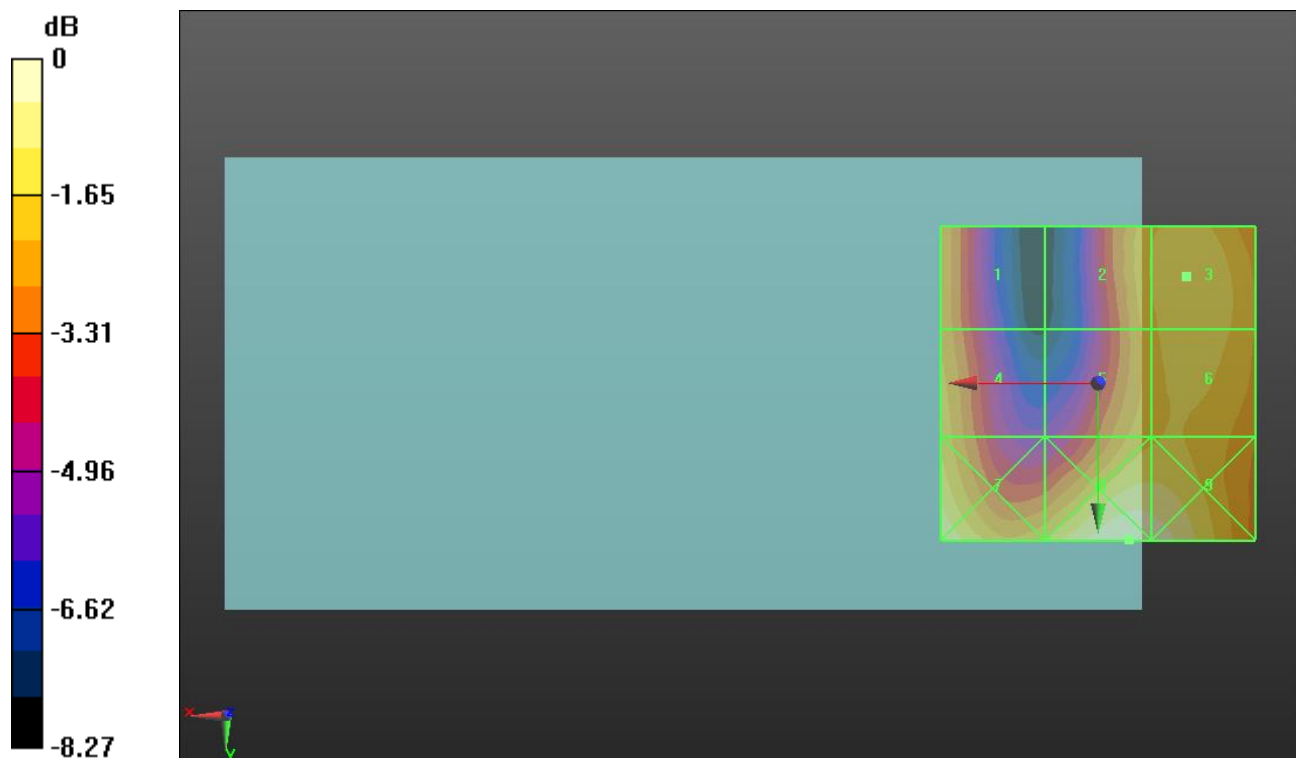
Applied MIF = -1.44 dB

RF audio interference level = 23.90 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 22.76 dBV/m	Grid 2 M4 23.44 dBV/m	Grid 3 M4 23.9 dBV/m
Grid 4 M4 23.25 dBV/m	Grid 5 M4 23.28 dBV/m	Grid 6 M4 23.76 dBV/m
Grid 7 M4 24.59 dBV/m	Grid 8 M4 25.01 dBV/m	Grid 9 M4 24.86 dBV/m



0 dB = 17.80 V/m = 25.01 dBV/m

HAC-RF Emission ANT2

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

Phantom section: RF Section

DASY5 Configuration:

- Probe: EF3DV3 - SN4041; ConvF(1, 1, 1) @ 824.2 MHz; Calibrated: 3/18/2020
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1257; Calibrated: 10/10/2019
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

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 = 98.51 V/m; Power Drift = -0.11 dB

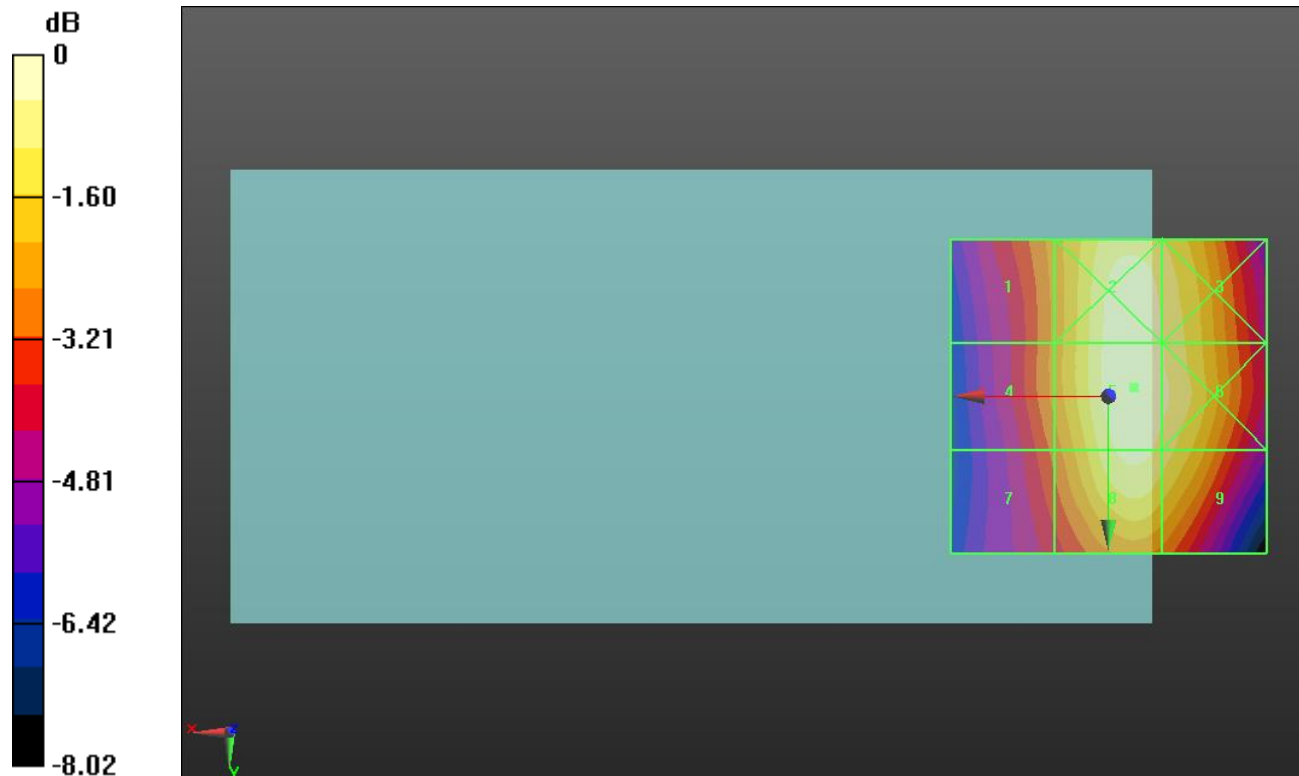
Applied MIF = 3.63 dB

RF audio interference level = 39.67 dBV/m

Emission category: **M4**

MIF scaled E-field

Grid 1 M4 37.29 dBV/m	Grid 2 M4 39.6 dBV/m	Grid 3 M4 39.18 dBV/m
Grid 4 M4 37.25 dBV/m	Grid 5 M4 39.67 dBV/m	Grid 6 M4 39.3 dBV/m
Grid 7 M4 36.71 dBV/m	Grid 8 M4 39.31 dBV/m	Grid 9 M4 38.91 dBV/m



0 dB = 96.24 V/m = 39.67 dBV/m

HAC-RF Emission ANT2

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

Phantom section: RF Section

DASY5 Configuration:

- Probe: EF3DV3 - SN4041; ConvF(1, 1, 1) @ 836.6 MHz; Calibrated: 3/18/2020
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1257; Calibrated: 10/10/2019
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

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 = 103.3 V/m; Power Drift = 0.08 dB

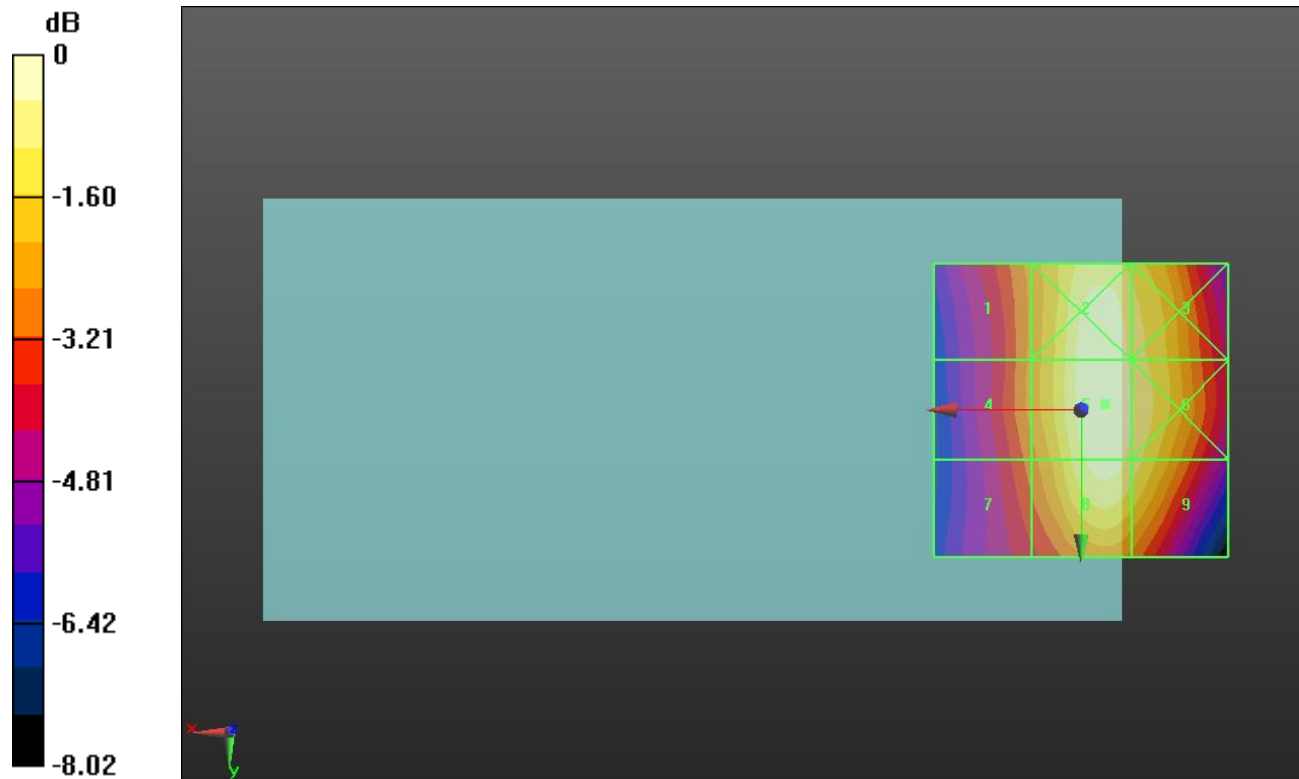
Applied MIF = 3.63 dB

RF audio interference level = 40.19 dBV/m

Emission category: **M3**

MIF scaled E-field

Grid 1 M4 37.78 dBV/m	Grid 2 M3 40.09 dBV/m	Grid 3 M4 39.55 dBV/m
Grid 4 M4 37.74 dBV/m	Grid 5 M3 40.19 dBV/m	Grid 6 M4 39.72 dBV/m
Grid 7 M4 37.29 dBV/m	Grid 8 M4 39.9 dBV/m	Grid 9 M4 39.47 dBV/m



0 dB = 102.2 V/m = 40.19 dBV/m

HAC-RF Emission ANT2

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

Phantom section: RF Section

DASY5 Configuration:

- Probe: EF3DV3 - SN4041; ConvF(1, 1, 1) @ 848.6 MHz; Calibrated: 3/18/2020
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1257; Calibrated: 10/10/2019
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

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 = 105.5 V/m; Power Drift = -0.04 dB

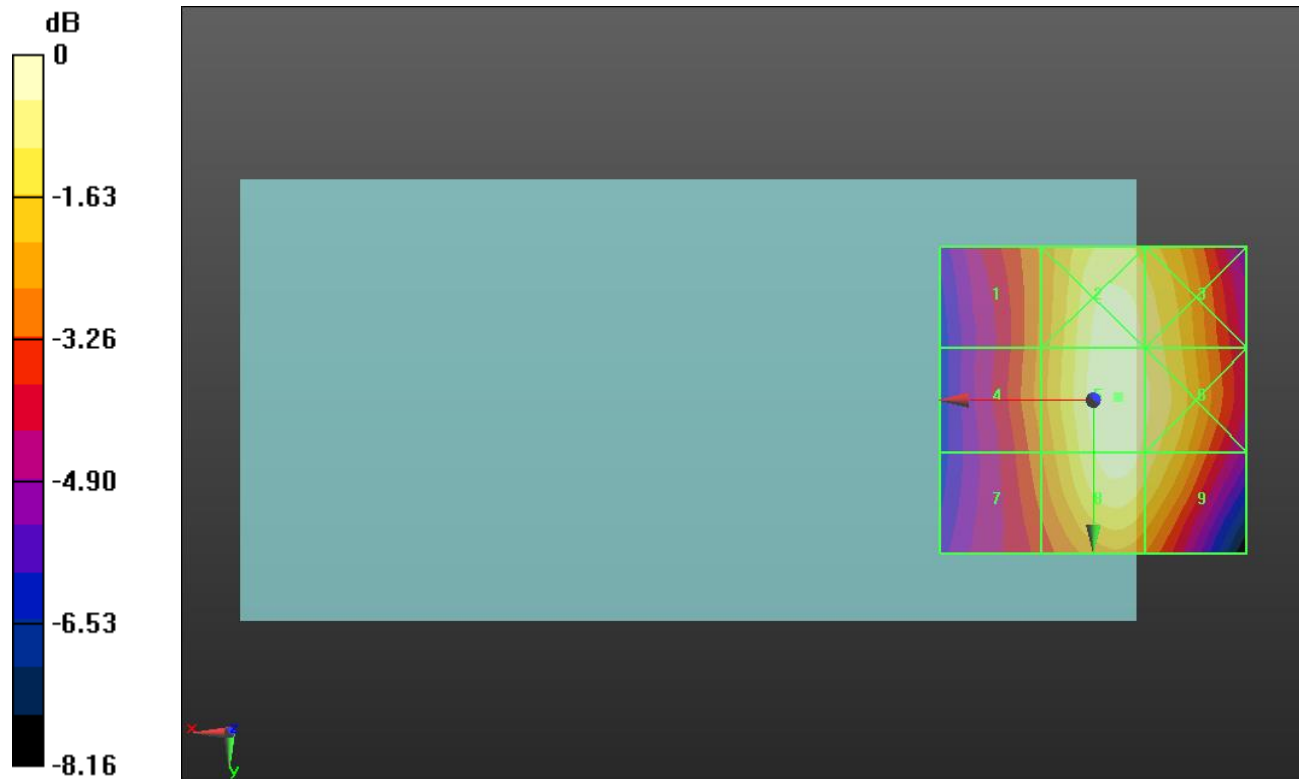
Applied MIF = 3.63 dB

RF audio interference level = 40.20 dBV/m

Emission category: **M3**

MIF scaled E-field

Grid 1 M4 37.67 dBV/m	Grid 2 M3 40.04 dBV/m	Grid 3 M4 39.59 dBV/m
Grid 4 M4 37.8 dBV/m	Grid 5 M3 40.2 dBV/m	Grid 6 M4 39.77 dBV/m
Grid 7 M4 37.45 dBV/m	Grid 8 M4 39.97 dBV/m	Grid 9 M4 39.48 dBV/m



0 dB = 102.3 V/m = 40.20 dBV/m

HAC-RF Emission ANT2

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

Phantom section: RF Section

DASY5 Configuration:

- Probe: EF3DV3 - SN4041; ConvF(1, 1, 1) @ 1850.2 MHz; Calibrated: 3/18/2020
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1257; Calibrated: 10/10/2019
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

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 = 15.42 V/m; Power Drift = -0.00 dB

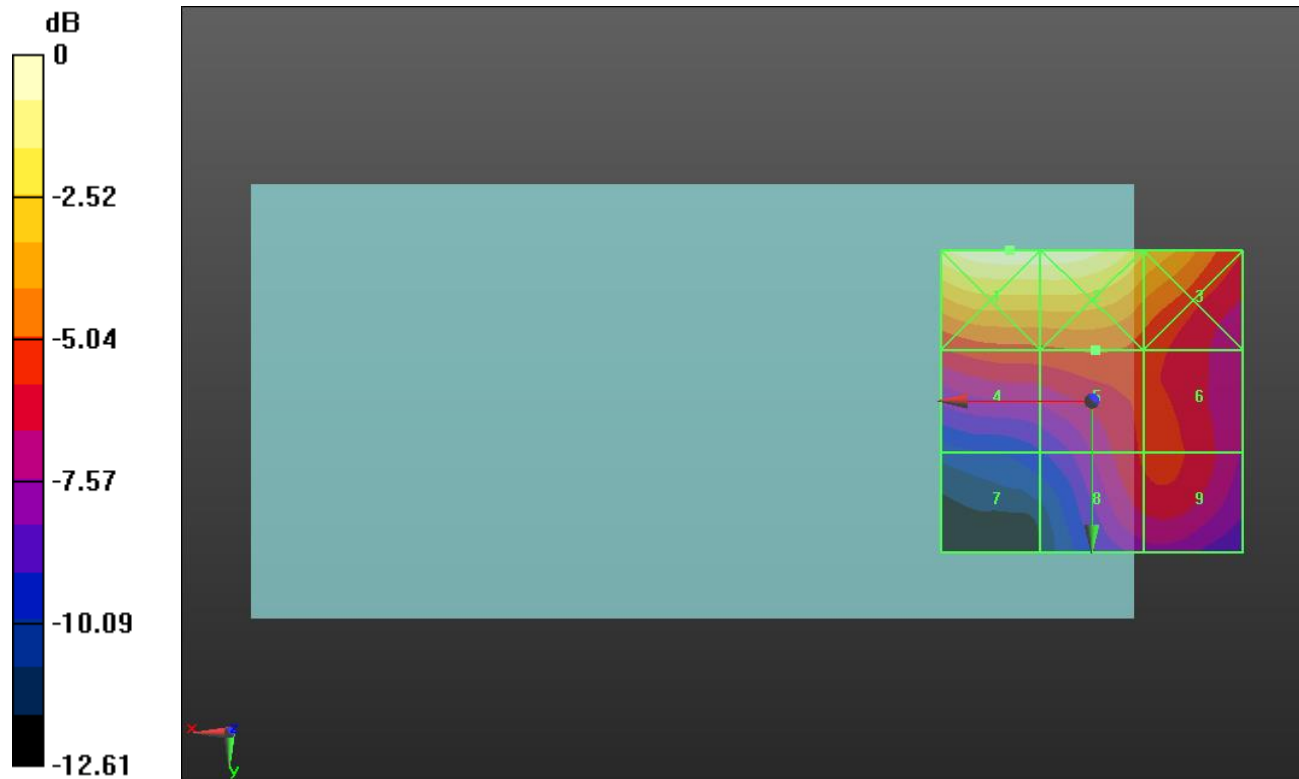
Applied MIF = 3.63 dB

RF audio interference level = 27.02 dBV/m

Emission category: **M4**

MIF scaled E-field

Grid 1 M3 31.95 dBV/m	Grid 2 M3 31.91 dBV/m	Grid 3 M4 29.7 dBV/m
Grid 4 M4 26.74 dBV/m	Grid 5 M4 27.02 dBV/m	Grid 6 M4 26.53 dBV/m
Grid 7 M4 22.69 dBV/m	Grid 8 M4 26.21 dBV/m	Grid 9 M4 26.38 dBV/m



0 dB = 39.57 V/m = 31.95 dBV/m

HAC-RF Emission ANT2

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

Phantom section: RF Section

DASY5 Configuration:

- Probe: EF3DV3 - SN4041; ConvF(1, 1, 1) @ 1880 MHz; Calibrated: 3/18/2020
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1257; Calibrated: 10/10/2019
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

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 = 15.85 V/m; Power Drift = -0.00 dB

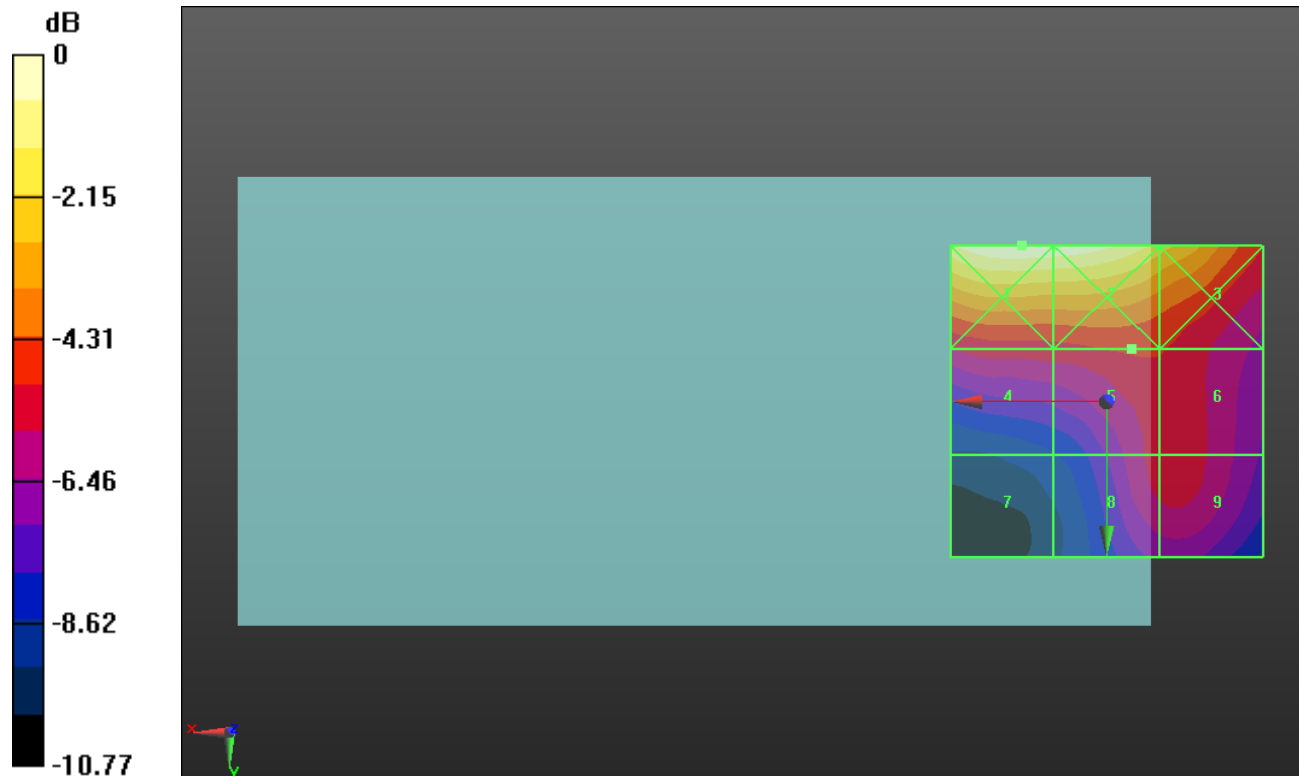
Applied MIF = 3.63 dB

RF audio interference level = 26.91 dBV/m

Emission category: **M4**

MIF scaled E-field

Grid 1 M3 31.8 dBV/m	Grid 2 M3 31.73 dBV/m	Grid 3 M3 30.04 dBV/m
Grid 4 M4 26.53 dBV/m	Grid 5 M4 26.91 dBV/m	Grid 6 M4 26.86 dBV/m
Grid 7 M4 23.15 dBV/m	Grid 8 M4 26.43 dBV/m	Grid 9 M4 26.54 dBV/m



0 dB = 38.92 V/m = 31.80 dBV/m

HAC-RF Emission ANT2

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

Phantom section: RF Section

DASY5 Configuration:

- Probe: EF3DV3 - SN4041; ConvF(1, 1, 1) @ 1909.8 MHz; Calibrated: 3/18/2020
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1257; Calibrated: 10/10/2019
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

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 = 16.10 V/m; Power Drift = -0.06 dB

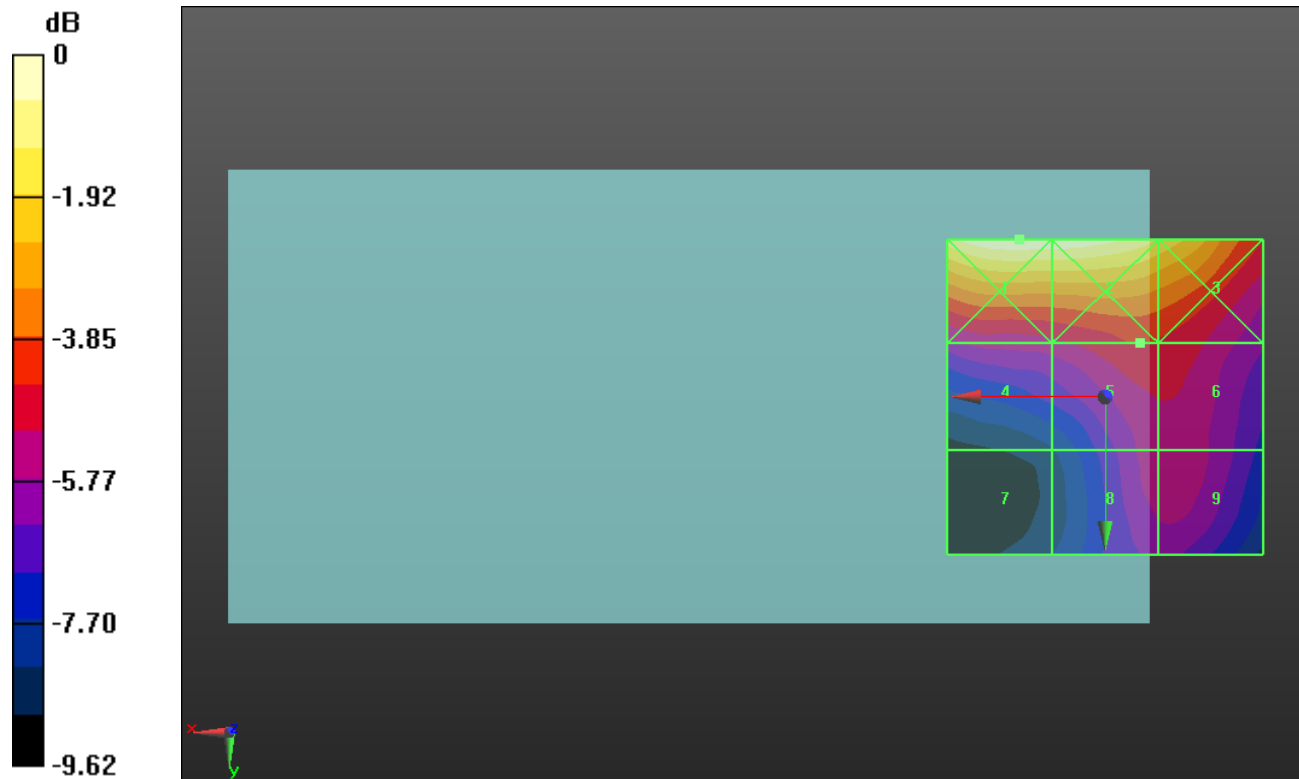
Applied MIF = 3.63 dB

RF audio interference level = 26.97 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M3 31.42 dBV/m	Grid 2 M3 31.37 dBV/m	Grid 3 M3 30.12 dBV/m
Grid 4 M4 26.1 dBV/m	Grid 5 M4 26.97 dBV/m	Grid 6 M4 26.88 dBV/m
Grid 7 M4 23.11 dBV/m	Grid 8 M4 26.19 dBV/m	Grid 9 M4 26.28 dBV/m



0 dB = 37.26 V/m = 31.42 dBV/m

HAC-RF Emission ANT2

Communication System: UID 10295 - AAB, CDMA2000, RC1, SO3, 1/8th Rate 25 fr.; Frequency: 824.7 MHz; Duty Cycle: 1:17.746

Phantom section: RF Section

DASY5 Configuration:

- Probe: EF3DV3 - SN4041; ConvF(1, 1, 1) @ 824.7 MHz; Calibrated: 3/18/2020
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1257; Calibrated: 10/10/2019
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

CDMA2000 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 = 45.59 V/m; Power Drift = -0.03 dB

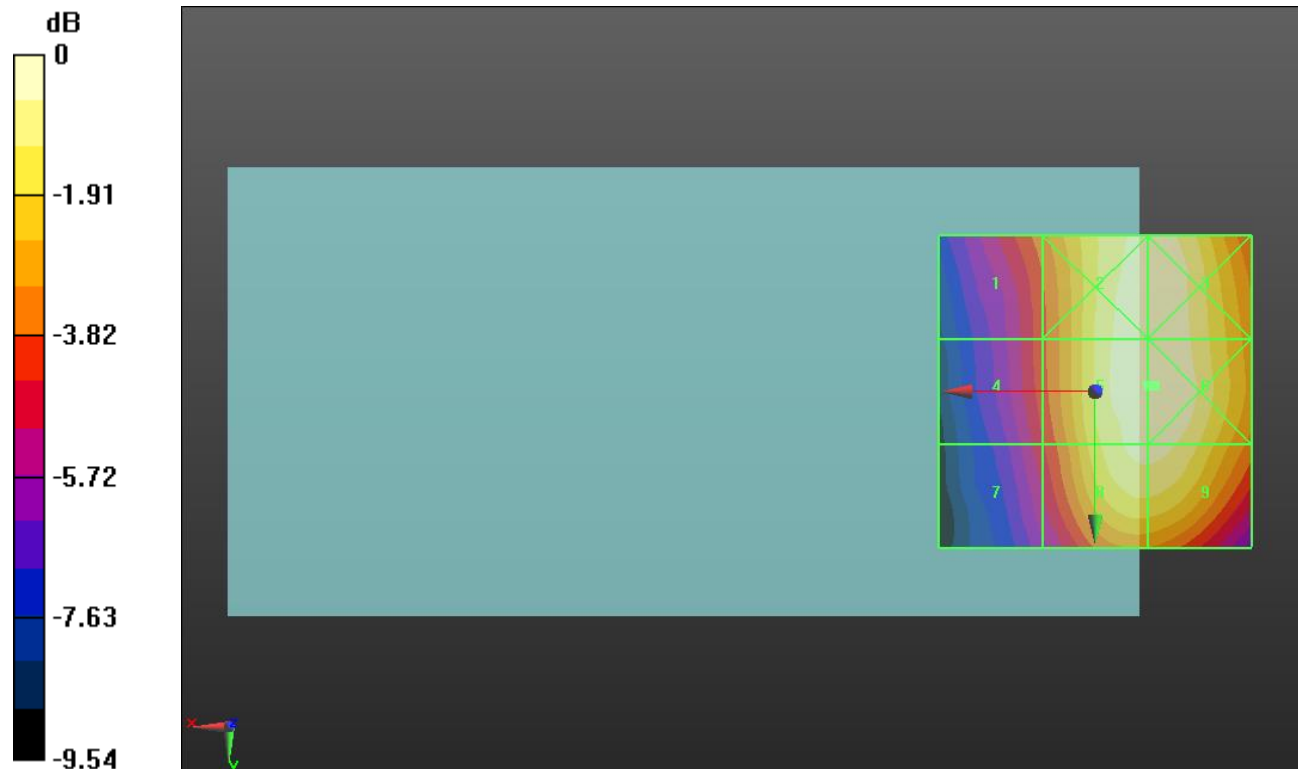
Applied MIF = 3.26 dB

RF audio interference level = 33.63 dBV/m

Emission category: **M4**

MIF scaled E-field

Grid 1 M4 30.27 dBV/m	Grid 2 M4 33.54 dBV/m	Grid 3 M4 33.55 dBV/m
Grid 4 M4 29.64 dBV/m	Grid 5 M4 33.63 dBV/m	Grid 6 M4 33.64 dBV/m
Grid 7 M4 29.11 dBV/m	Grid 8 M4 33.25 dBV/m	Grid 9 M4 33.25 dBV/m



0 dB = 48.09 V/m = 33.64 dBV/m

HAC-RF Emission ANT2

Communication System: UID 10295 - AAB, CDMA2000, RC1, SO3, 1/8th Rate 25 fr.; Frequency: 836.52 MHz; Duty Cycle: 1:17.746

Phantom section: RF Section

DASY5 Configuration:

- Probe: EF3DV3 - SN4041; ConvF(1, 1, 1) @ 836.52 MHz; Calibrated: 3/18/2020
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1257; Calibrated: 10/10/2019
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

CDMA2000 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 = 44.06 V/m; Power Drift = 0.07 dB

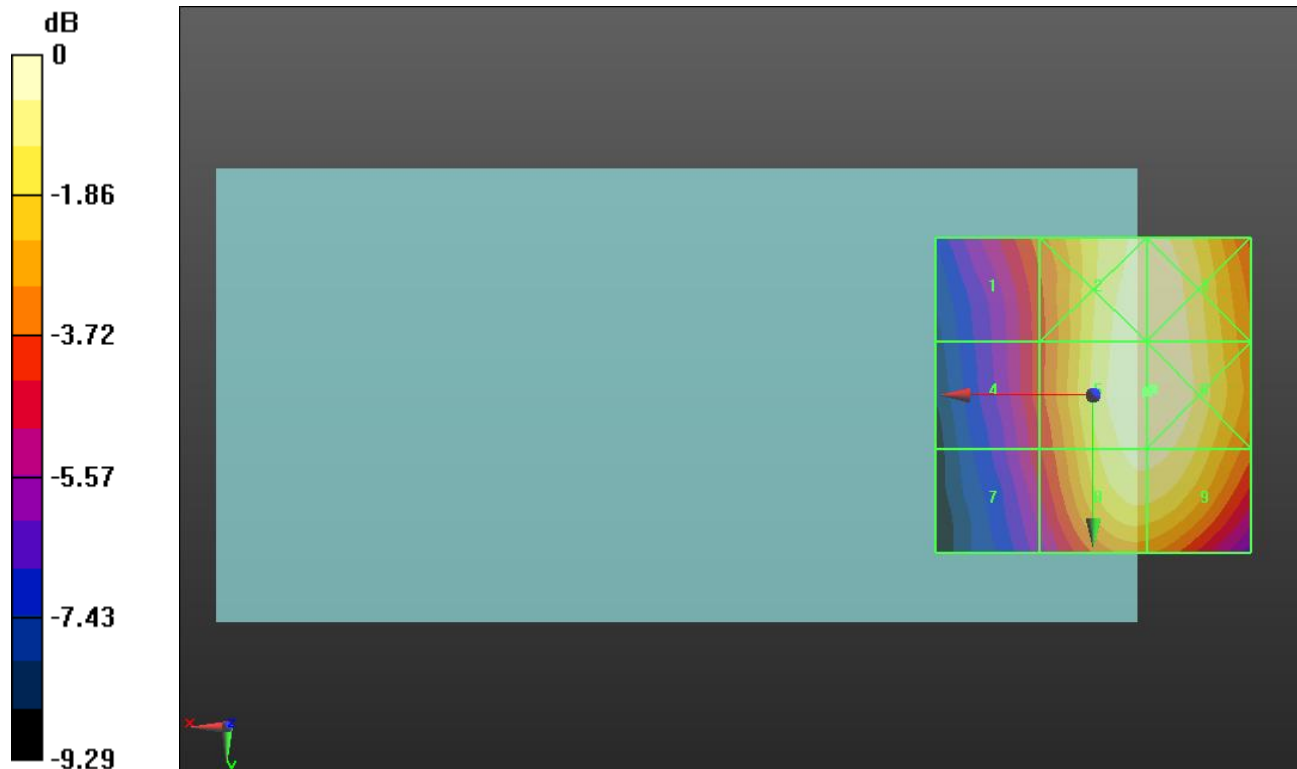
Applied MIF = 3.26 dB

RF audio interference level = 33.42 dBV/m

Emission category: **M4**

MIF scaled E-field

Grid 1 M4 30.08 dBV/m	Grid 2 M4 33.27 dBV/m	Grid 3 M4 33.27 dBV/m
Grid 4 M4 29.51 dBV/m	Grid 5 M4 33.42 dBV/m	Grid 6 M4 33.44 dBV/m
Grid 7 M4 29.03 dBV/m	Grid 8 M4 33.05 dBV/m	Grid 9 M4 33.05 dBV/m



0 dB = 46.98 V/m = 33.44 dBV/m

HAC-RF Emission ANT2

Communication System: UID 10295 - AAB, CDMA2000, RC1, SO3, 1/8th Rate 25 fr.; Frequency: 848.31 MHz; Duty Cycle: 1:17.746

Phantom section: RF Section

DASY5 Configuration:

- Probe: EF3DV3 - SN4041; ConvF(1, 1, 1) @ 848.31 MHz; Calibrated: 3/18/2020
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1257; Calibrated: 10/10/2019
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

CDMA2000 BC0 E-Field measurement/RC1_SO3_Ch.777/Hearing Aid Compatibility Test (101x101x1):

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

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 42.90 V/m; Power Drift = -0.05 dB

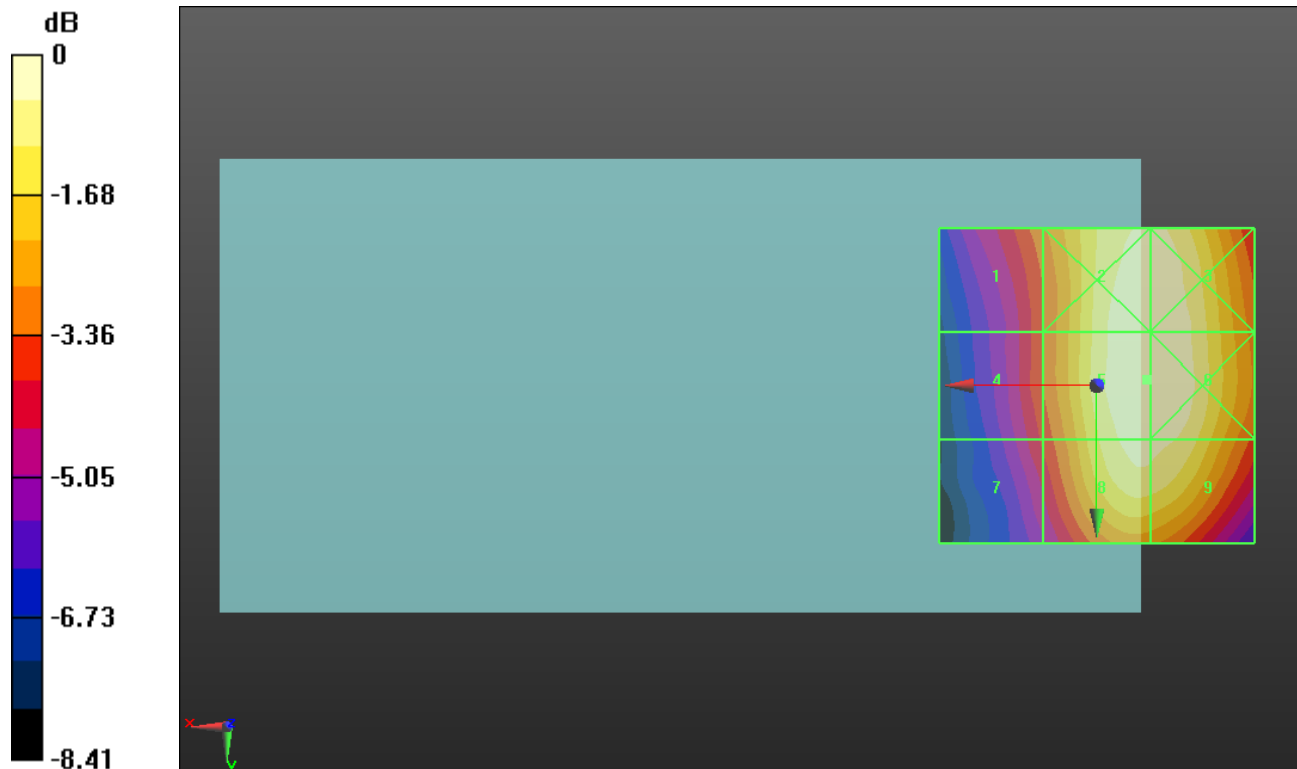
Applied MIF = 3.26 dB

RF audio interference level = 32.88 dBV/m

Emission category: **M4**

MIF scaled E-field

Grid 1 M4 30 dBV/m	Grid 2 M4 32.77 dBV/m	Grid 3 M4 32.74 dBV/m
Grid 4 M4 29.58 dBV/m	Grid 5 M4 32.88 dBV/m	Grid 6 M4 32.88 dBV/m
Grid 7 M4 29.12 dBV/m	Grid 8 M4 32.57 dBV/m	Grid 9 M4 32.55 dBV/m



0 dB = 44.04 V/m = 32.88 dBV/m

HAC-RF Emission ANT2

Communication System: UID 10295 - AAB, CDMA2000, RC1, SO3, 1/8th Rate 25 fr.; Frequency: 1851.25 MHz; Duty Cycle: 1:17.746

Phantom section: RF Section

DASY5 Configuration:

- Probe: EF3DV3 - SN4041; ConvF(1, 1, 1) @ 1851.25 MHz; Calibrated: 3/18/2020
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1257; Calibrated: 10/10/2019
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

CDMA2000 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 = 9.185 V/m; Power Drift = -0.14 dB

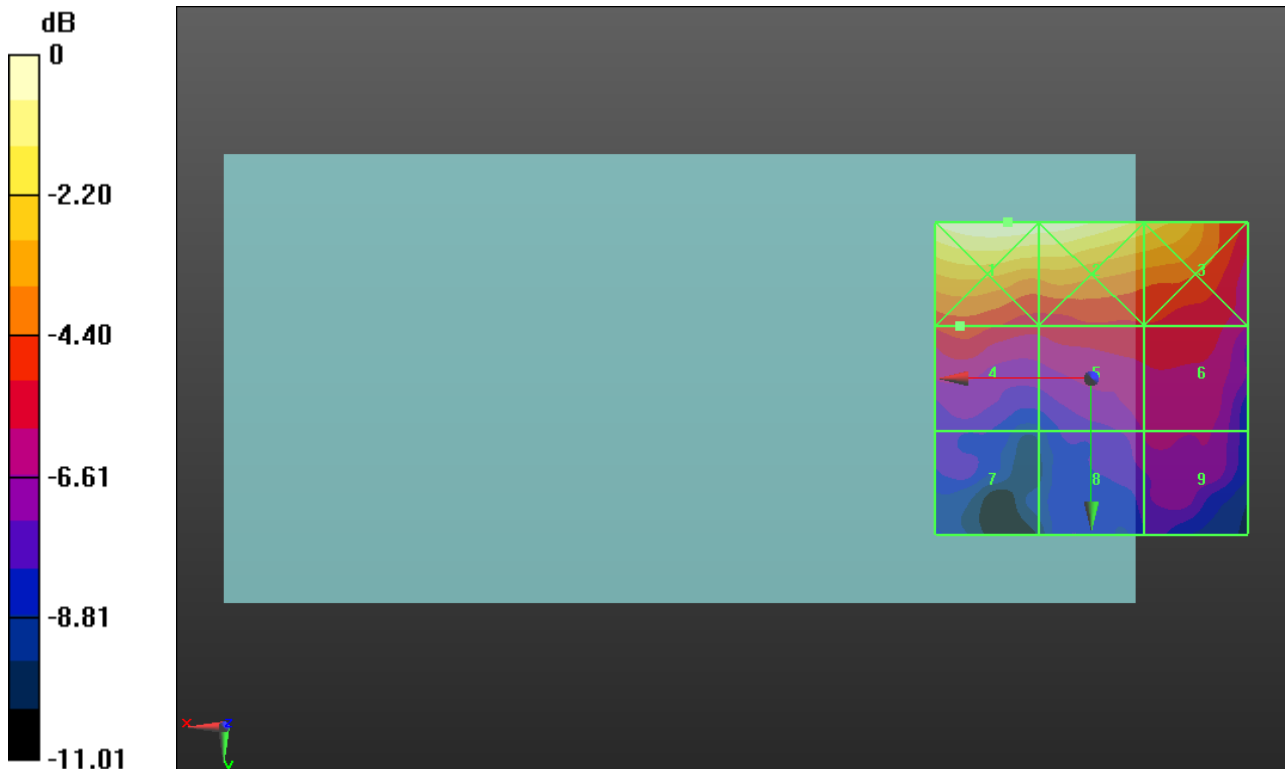
Applied MIF = 3.26 dB

RF audio interference level = 22.40 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 27.12 dBV/m	Grid 2 M4 27.01 dBV/m	Grid 3 M4 25.41 dBV/m
Grid 4 M4 22.4 dBV/m	Grid 5 M4 21.94 dBV/m	Grid 6 M4 21.95 dBV/m
Grid 7 M4 19.52 dBV/m	Grid 8 M4 20.6 dBV/m	Grid 9 M4 20.83 dBV/m



0 dB = 22.69 V/m = 27.12 dBV/m

HAC-RF Emission ANT2

Communication System: UID 10295 - AAB, CDMA2000, RC1, SO3, 1/8th Rate 25 fr.; Frequency: 1880 MHz; Duty Cycle: 1:17.746

Phantom section: RF Section

DASY5 Configuration:

- Probe: EF3DV3 - SN4041; ConvF(1, 1, 1) @ 1880 MHz; Calibrated: 3/18/2020
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1257; Calibrated: 10/10/2019
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

CDMA2000 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 = 9.513 V/m; Power Drift = -0.14 dB

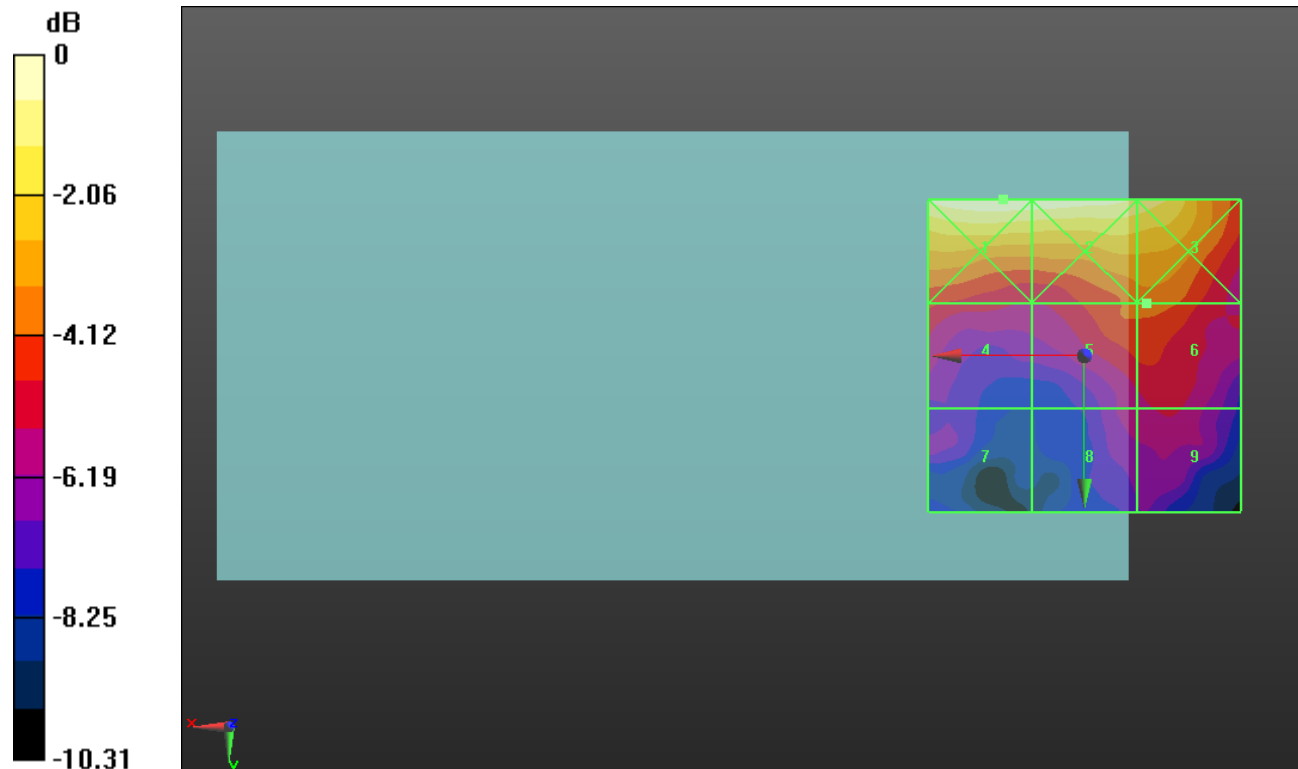
Applied MIF = 3.26 dB

RF audio interference level = 22.97 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 26.73 dBV/m	Grid 2 M4 26.69 dBV/m	Grid 3 M4 25.93 dBV/m
Grid 4 M4 22.15 dBV/m	Grid 5 M4 22.92 dBV/m	Grid 6 M4 22.97 dBV/m
Grid 7 M4 20.15 dBV/m	Grid 8 M4 21.03 dBV/m	Grid 9 M4 21.36 dBV/m



0 dB = 21.70 V/m = 26.73 dBV/m

HAC-RF Emission ANT2

Communication System: UID 10295 - AAB, CDMA2000, RC1, SO3, 1/8th Rate 25 fr.; Frequency: 1908.75 MHz; Duty Cycle: 1:17.746

Phantom section: RF Section

DASY5 Configuration:

- Probe: EF3DV3 - SN4041; ConvF(1, 1, 1) @ 1908.75 MHz; Calibrated: 3/18/2020
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1257; Calibrated: 10/10/2019
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

CDMA2000 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 = 10.52 V/m; Power Drift = -0.14 dB

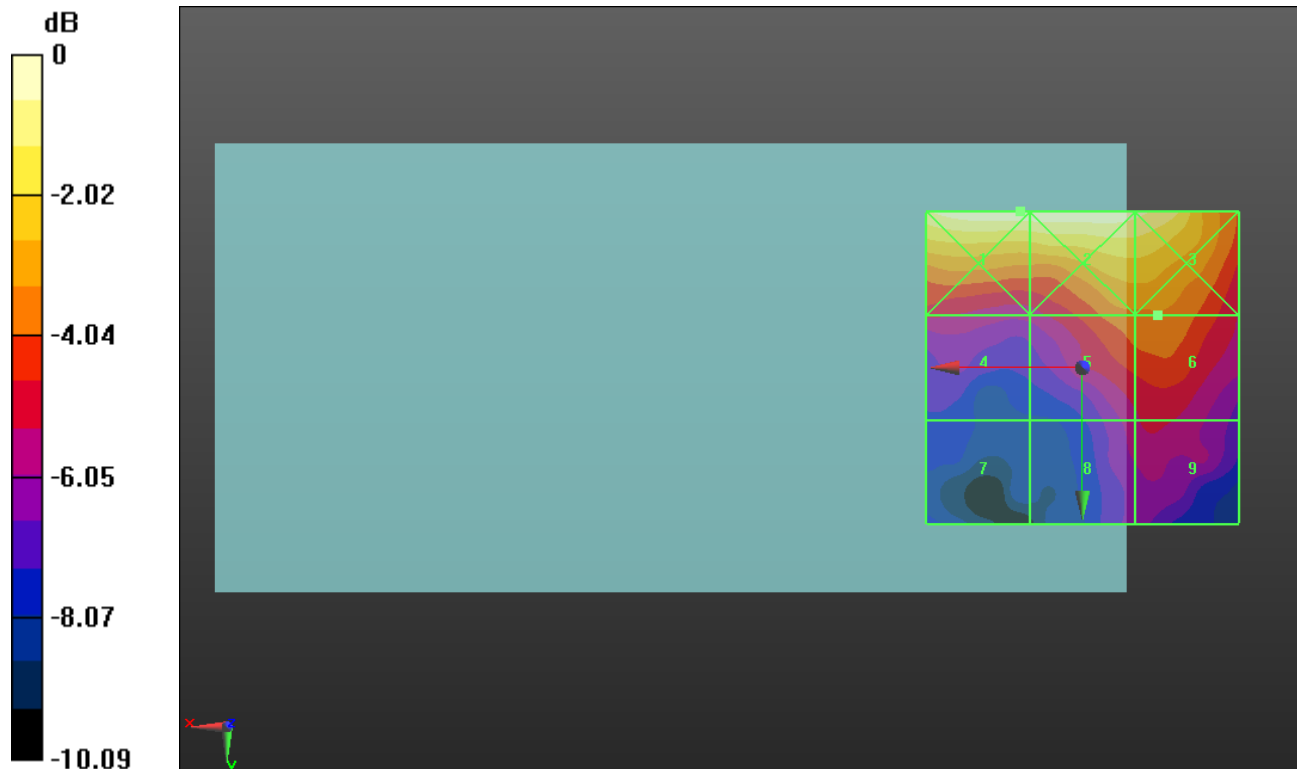
Applied MIF = 3.26 dB

RF audio interference level = 23.18 dBV/m

Emission category: **M4**

MIF scaled E-field

Grid 1 M4 26.57 dBV/m	Grid 2 M4 26.57 dBV/m	Grid 3 M4 26.18 dBV/m
Grid 4 M4 21.42 dBV/m	Grid 5 M4 23.14 dBV/m	Grid 6 M4 23.18 dBV/m
Grid 7 M4 19 dBV/m	Grid 8 M4 21.09 dBV/m	Grid 9 M4 21.37 dBV/m



0 dB = 21.32 V/m = 26.58 dBV/m

HAC-RF Emission ANT2

Communication System: UID 10295 - AAB, CDMA2000, RC1, SO3, 1/8th Rate 25 fr.; Frequency: 817.3 MHz; Duty Cycle: 1:17.746

Phantom section: RF Section

DASY5 Configuration:

- Probe: EF3DV3 - SN4041; ConvF(1, 1, 1) @ 817.3 MHz; Calibrated: 3/18/2020
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1257; Calibrated: 10/10/2019
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

CDMA2000 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 = 44.36 V/m; Power Drift = 0.04 dB

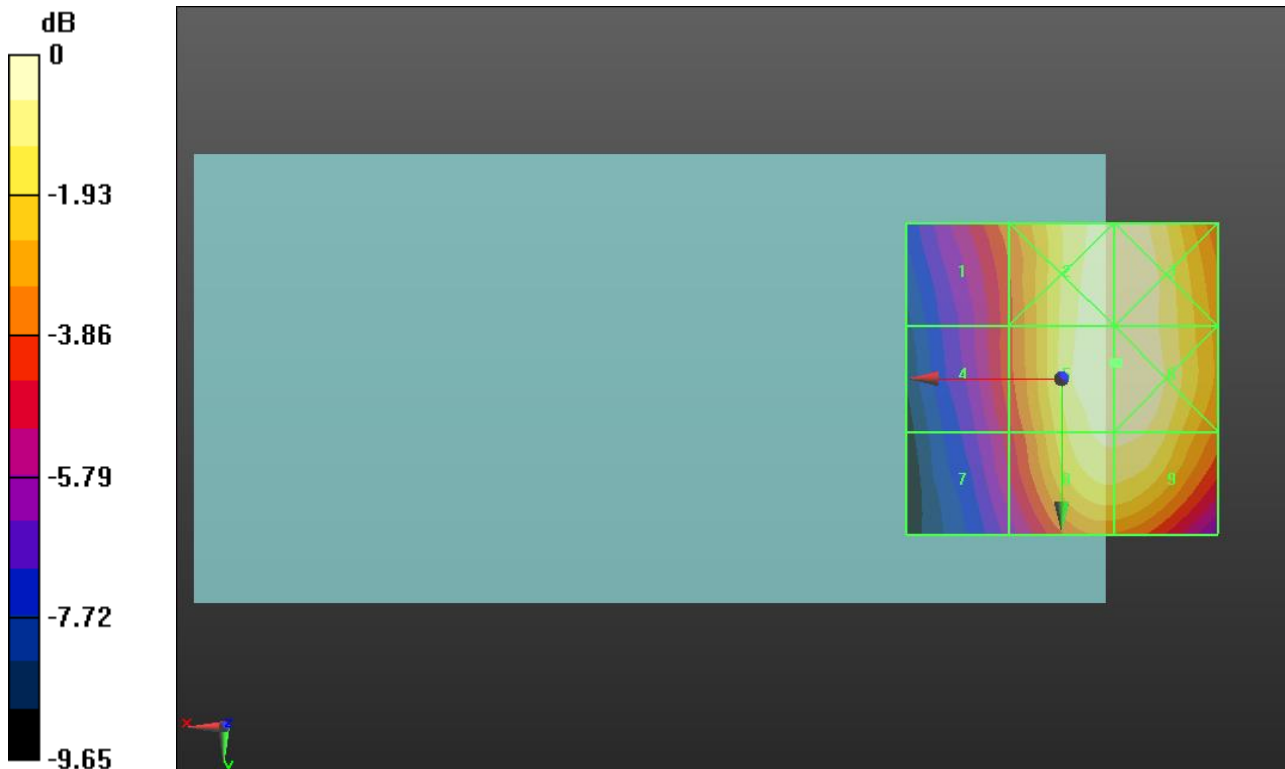
Applied MIF = 3.26 dB

RF audio interference level = 33.52 dBV/m

Emission category: **M4**

MIF scaled E-field

Grid 1 M4 30.14 dBV/m	Grid 2 M4 33.43 dBV/m	Grid 3 M4 33.44 dBV/m
Grid 4 M4 29.48 dBV/m	Grid 5 M4 33.52 dBV/m	Grid 6 M4 33.52 dBV/m
Grid 7 M4 28.82 dBV/m	Grid 8 M4 33.07 dBV/m	Grid 9 M4 33.07 dBV/m



0 dB = 47.41 V/m = 33.52 dBV/m

HAC-RF Emission ANT2

Communication System: UID 10295 - AAB, CDMA2000, RC1, SO3, 1/8th Rate 25 fr.; Frequency: 820 MHz; Duty Cycle: 1:17.746

Phantom section: RF Section

DASY5 Configuration:

- Probe: EF3DV3 - SN4041; ConvF(1, 1, 1) @ 820 MHz; Calibrated: 3/18/2020
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1257; Calibrated: 10/10/2019
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

CDMA2000 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 = 44.89 V/m; Power Drift = -0.04 dB

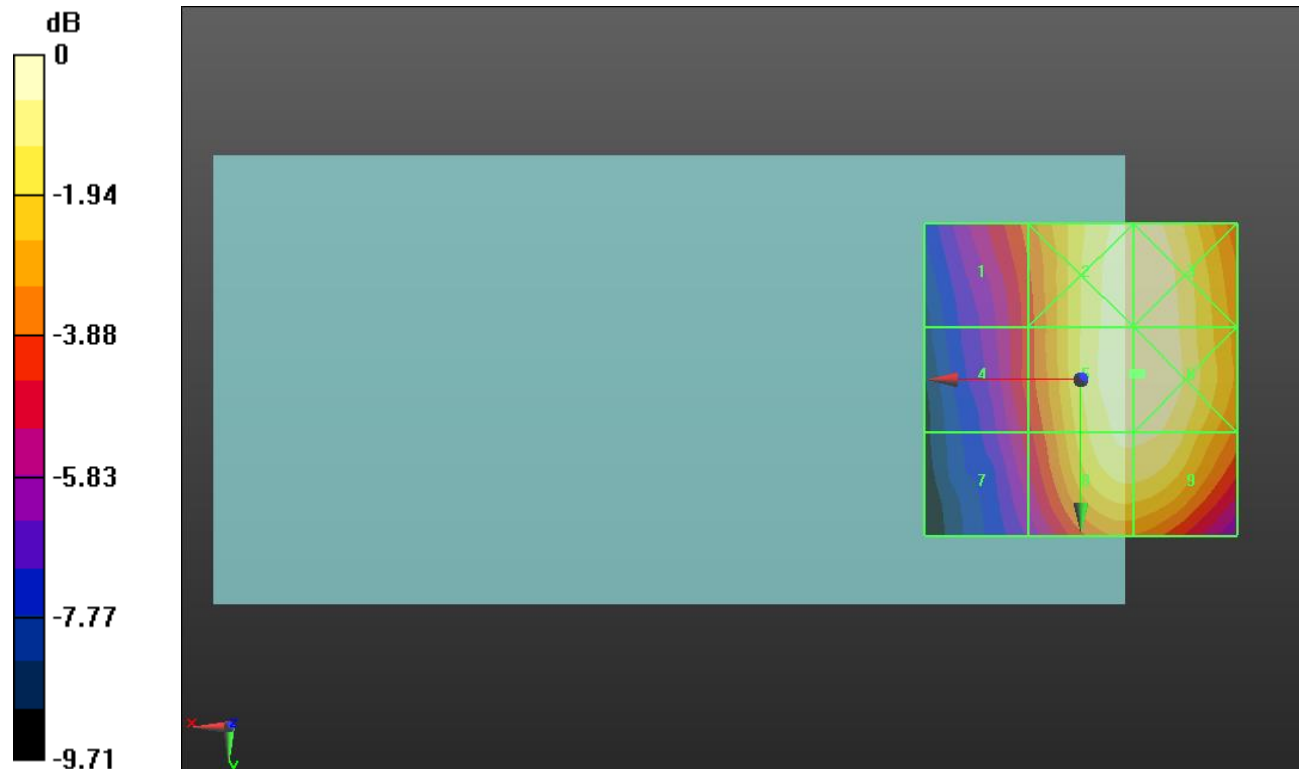
Applied MIF = 3.26 dB

RF audio interference level = 33.60 dBV/m

Emission category: **M4**

MIF scaled E-field

Grid 1 M4 30.04 dBV/m	Grid 2 M4 33.48 dBV/m	Grid 3 M4 33.5 dBV/m
Grid 4 M4 29.44 dBV/m	Grid 5 M4 33.6 dBV/m	Grid 6 M4 33.62 dBV/m
Grid 7 M4 28.86 dBV/m	Grid 8 M4 33.15 dBV/m	Grid 9 M4 33.15 dBV/m



0 dB = 47.98 V/m = 33.62 dBV/m

HAC-RF Emission ANT2

Communication System: UID 10295 - AAB, CDMA2000, RC1, SO3, 1/8th Rate 25 fr.; Frequency: 822.75 MHz; Duty Cycle: 1:17.746

Phantom section: RF Section

DASY5 Configuration:

- Probe: EF3DV3 - SN4041; ConvF(1, 1, 1) @ 822.75 MHz; Calibrated: 3/18/2020
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1257; Calibrated: 10/10/2019
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

CDMA2000 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 = 45.25 V/m; Power Drift = -0.04 dB

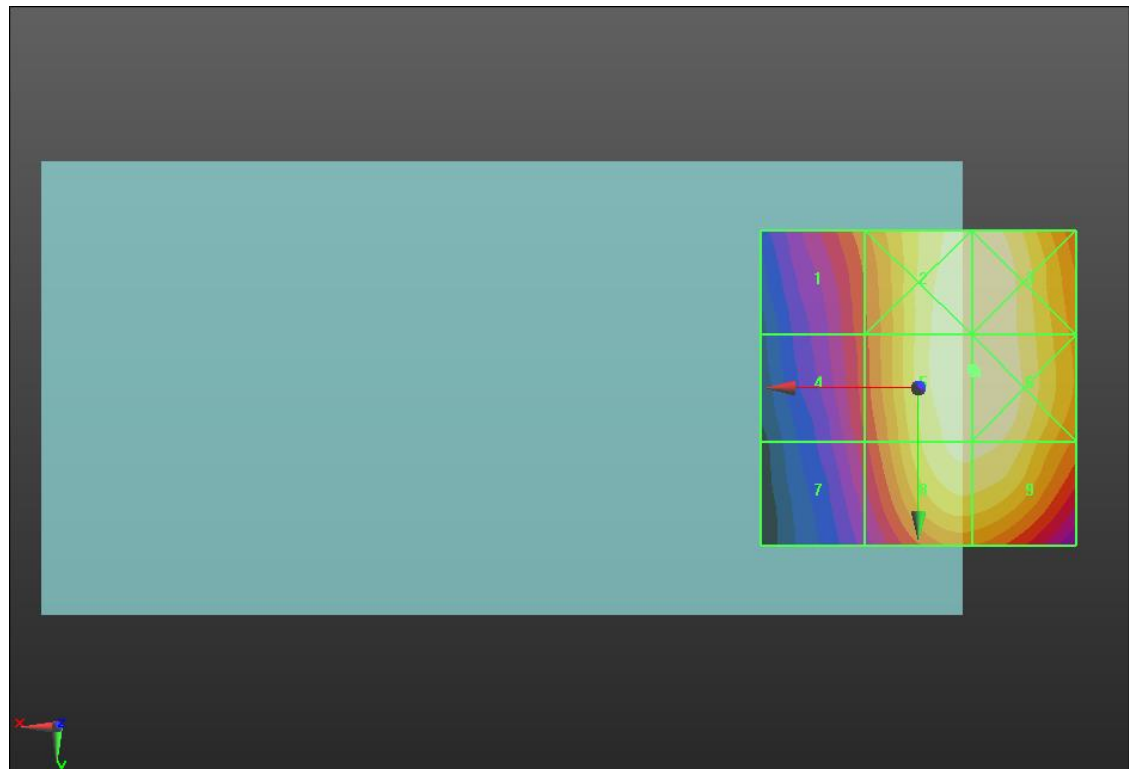
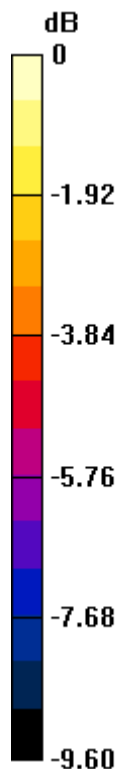
Applied MIF = 3.26 dB

RF audio interference level = 33.56 dBV/m

Emission category: **M4**

MIF scaled E-field

Grid 1 M4 30.25 dBV/m	Grid 2 M4 33.49 dBV/m	Grid 3 M4 33.49 dBV/m
Grid 4 M4 29.59 dBV/m	Grid 5 M4 33.56 dBV/m	Grid 6 M4 33.56 dBV/m
Grid 7 M4 28.96 dBV/m	Grid 8 M4 33.17 dBV/m	Grid 9 M4 33.16 dBV/m



0 dB = 47.65 V/m = 33.56 dBV/m

HAC-RF Emission ANT2

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

Phantom section: RF Section

DASY5 Configuration:

- Probe: EF3DV3 - SN4041; ConvF(1, 1, 1) @ 2506 MHz; Calibrated: 3/18/2020
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1257; Calibrated: 10/10/2019
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

LTE Band 41 E-Field measurement/SC-FDMA 1RB 20 MHz 16QAM 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 = 45.99 V/m; Power Drift = -0.01 dB

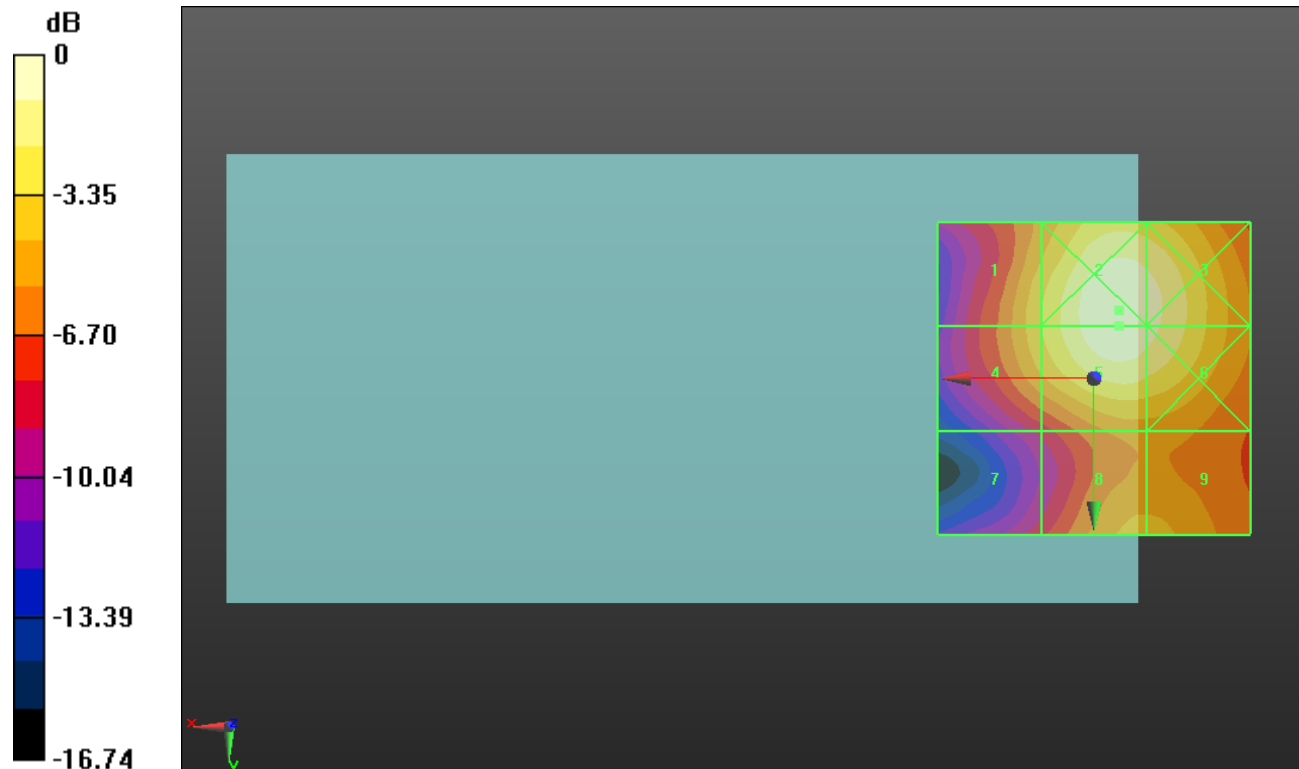
Applied MIF = -1.44 dB

RF audio interference level = 30.08 dBV/m

Emission category: **M3**

MIF scaled E-field

Grid 1 M4 26.84 dBV/m	Grid 2 M3 30.18 dBV/m	Grid 3 M4 29.61 dBV/m
Grid 4 M4 26.81 dBV/m	Grid 5 M3 30.08 dBV/m	Grid 6 M4 29.51 dBV/m
Grid 7 M4 22.05 dBV/m	Grid 8 M4 26.12 dBV/m	Grid 9 M4 26.11 dBV/m



0 dB = 32.27 V/m = 30.18 dBV/m

HAC-RF Emission ANT2

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

Phantom section: RF Section

DASY5 Configuration:

- Probe: EF3DV3 - SN4041; ConvF(1, 1, 1) @ 2549.5 MHz; Calibrated: 3/18/2020
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1257; Calibrated: 10/10/2019
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

LTE Band 41 E-Field measurement/SC-FDMA 1RB 20 MHz 16QAM 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 = 46.33 V/m; Power Drift = -0.02 dB

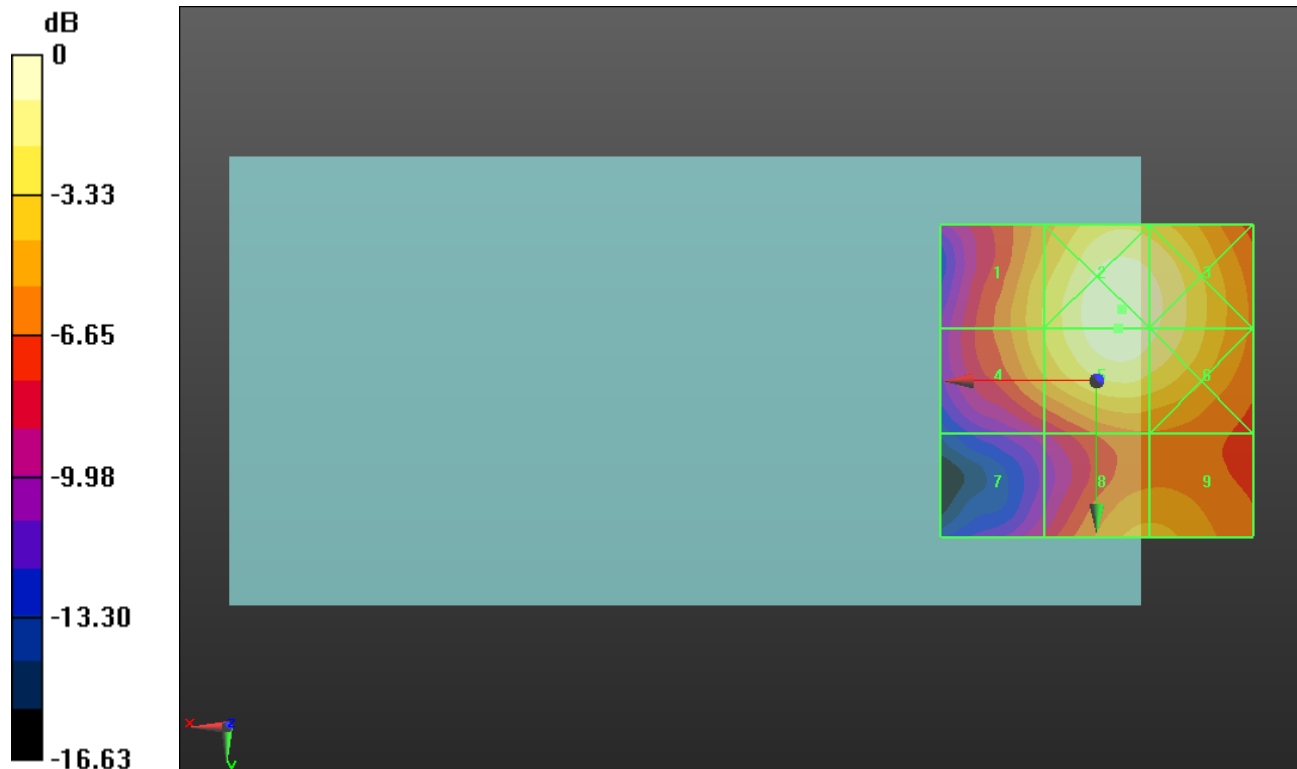
Applied MIF = -1.44 dB

RF audio interference level = 30.23 dBV/m

Emission category: **M3**

MIF scaled E-field

Grid 1 M4 27.17 dBV/m	Grid 2 M3 30.37 dBV/m	Grid 3 M4 29.75 dBV/m
Grid 4 M4 27.12 dBV/m	Grid 5 M3 30.23 dBV/m	Grid 6 M4 29.6 dBV/m
Grid 7 M4 21.77 dBV/m	Grid 8 M4 26.32 dBV/m	Grid 9 M4 26.32 dBV/m



0 dB = 32.99 V/m = 30.37 dBV/m

HAC-RF Emission ANT2

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

Phantom section: RF Section

DASY5 Configuration:

- Probe: EF3DV3 - SN4041; ConvF(1, 1, 1) @ 2593 MHz; Calibrated: 3/18/2020
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1257; Calibrated: 10/10/2019
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

LTE Band 41 E-Field measurement/SC-FDMA 1RB 20 MHz 16QAM 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 = 49.89 V/m; Power Drift = -0.01 dB

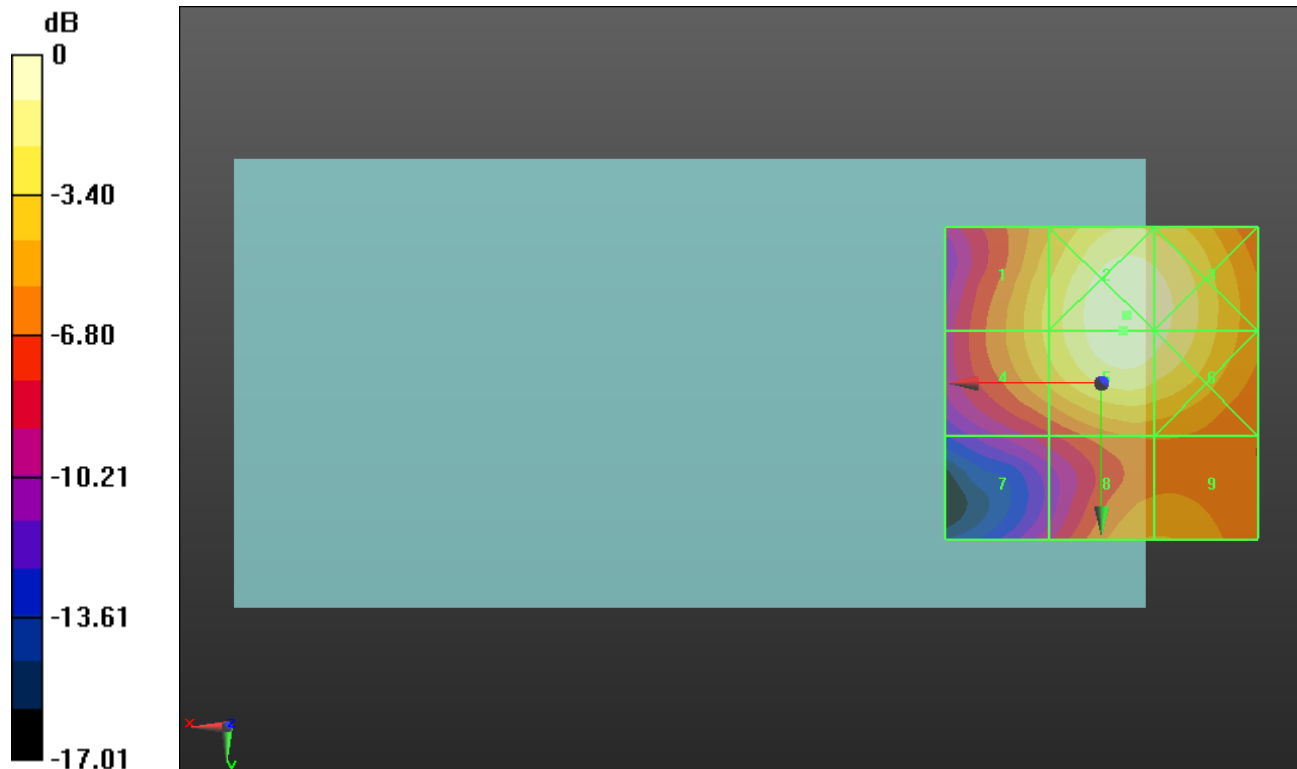
Applied MIF = -1.44 dB

RF audio interference level = 30.67 dBV/m

Emission category: **M3**

MIF scaled E-field

Grid 1 M4 27.79 dBV/m	Grid 2 M3 30.77 dBV/m	Grid 3 M3 30.26 dBV/m
Grid 4 M4 27.75 dBV/m	Grid 5 M3 30.67 dBV/m	Grid 6 M3 30.13 dBV/m
Grid 7 M4 22.54 dBV/m	Grid 8 M4 26.33 dBV/m	Grid 9 M4 26.33 dBV/m



0 dB = 34.55 V/m = 30.77 dBV/m

HAC-RF Emission ANT2

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

Phantom section: RF Section

DASY5 Configuration:

- Probe: EF3DV3 - SN4041; ConvF(1, 1, 1) @ 2636.5 MHz; Calibrated: 3/18/2020
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1257; Calibrated: 10/10/2019
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

LTE Band 41 E-Field measurement/SC-FDMA 1RB 20 MHz 16QAM 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 = 49.35 V/m; Power Drift = 0.02 dB

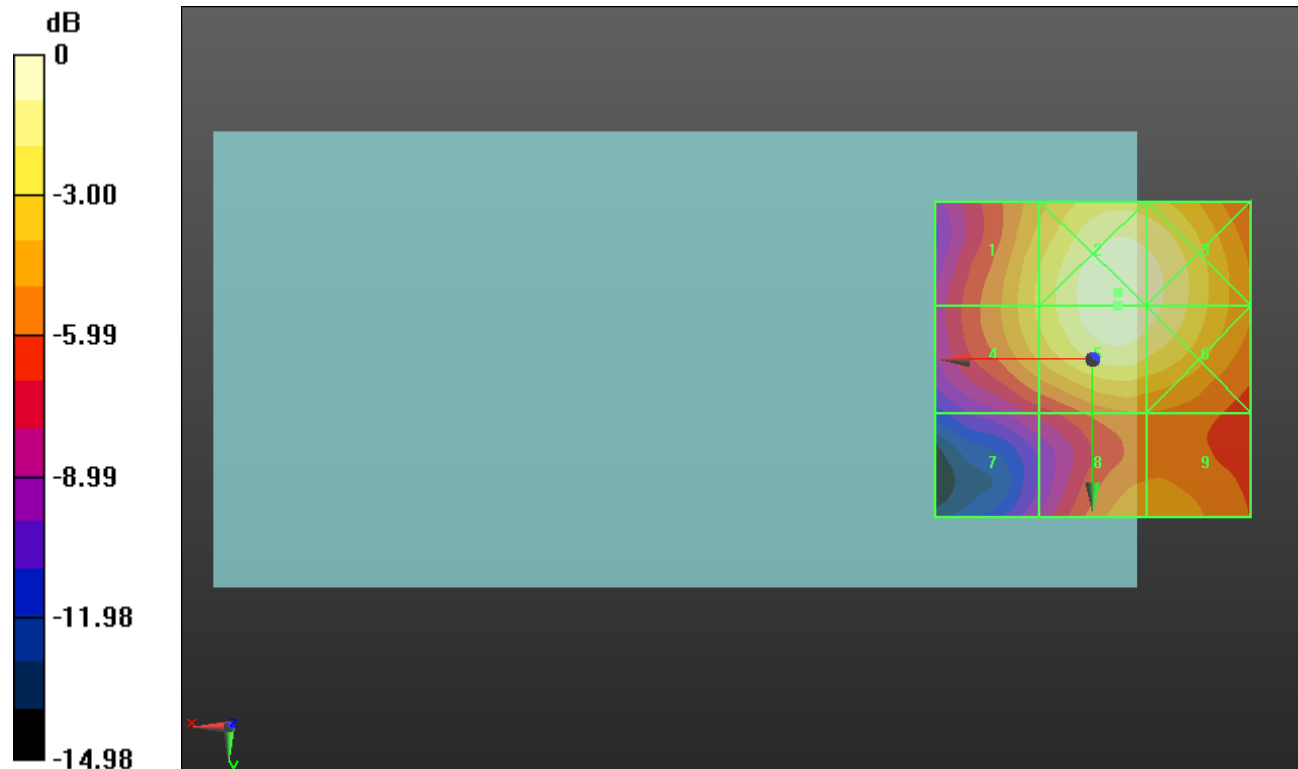
Applied MIF = -1.44 dB

RF audio interference level = 30.38 dBV/m

Emission category: **M3**

MIF scaled E-field

Grid 1 M4 27.68 dBV/m	Grid 2 M3 30.44 dBV/m	Grid 3 M4 29.97 dBV/m
Grid 4 M4 27.66 dBV/m	Grid 5 M3 30.38 dBV/m	Grid 6 M4 29.9 dBV/m
Grid 7 M4 22.9 dBV/m	Grid 8 M4 26.33 dBV/m	Grid 9 M4 26.33 dBV/m



0 dB = 33.28 V/m = 30.44 dBV/m

HAC-RF Emission ANT2

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

Phantom section: RF Section

DASY5 Configuration:

- Probe: EF3DV3 - SN4041; ConvF(1, 1, 1) @ 2680 MHz; Calibrated: 3/18/2020
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1257; Calibrated: 10/10/2019
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

LTE Band 41 E-Field measurement/SC-FDMA 1RB 20 MHz 16QAM 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 = 47.20 V/m; Power Drift = -0.00 dB

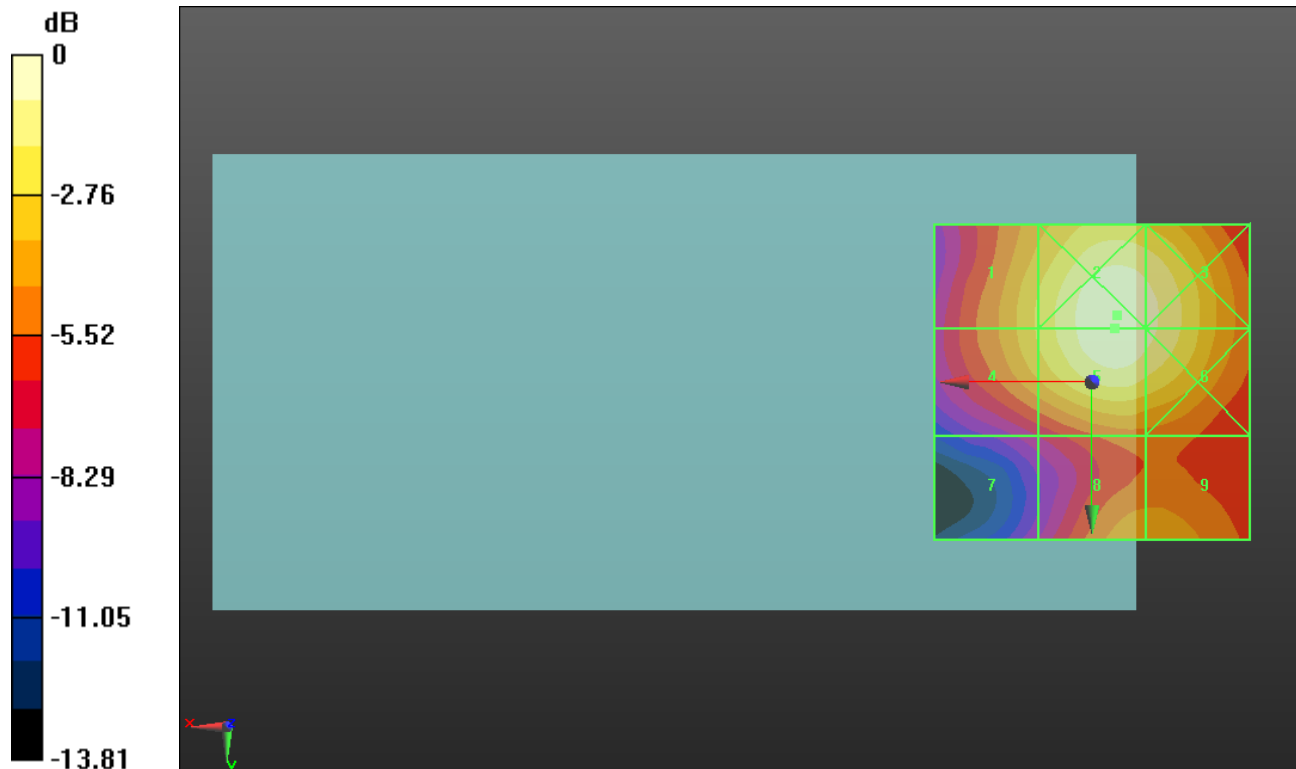
Applied MIF = -1.44 dB

RF audio interference level = 29.90 dBV/m

Emission category: **M4**

MIF scaled E-field

Grid 1 M4 27.38 dBV/m	Grid 2 M4 29.94 dBV/m	Grid 3 M4 29.43 dBV/m
Grid 4 M4 27.34 dBV/m	Grid 5 M4 29.9 dBV/m	Grid 6 M4 29.38 dBV/m
Grid 7 M4 22.63 dBV/m	Grid 8 M4 26.14 dBV/m	Grid 9 M4 26.14 dBV/m



0 dB = 31.41 V/m = 29.94 dBV/m

HAC-RF Emission ANT3

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

Phantom section: RF Section

DASY5 Configuration:

- Probe: EF3DV3 - SN4041; ConvF(1, 1, 1) @ 1850.2 MHz; Calibrated: 3/18/2020
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1257; Calibrated: 10/10/2019
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

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 = 15.94 V/m; Power Drift = -0.18 dB

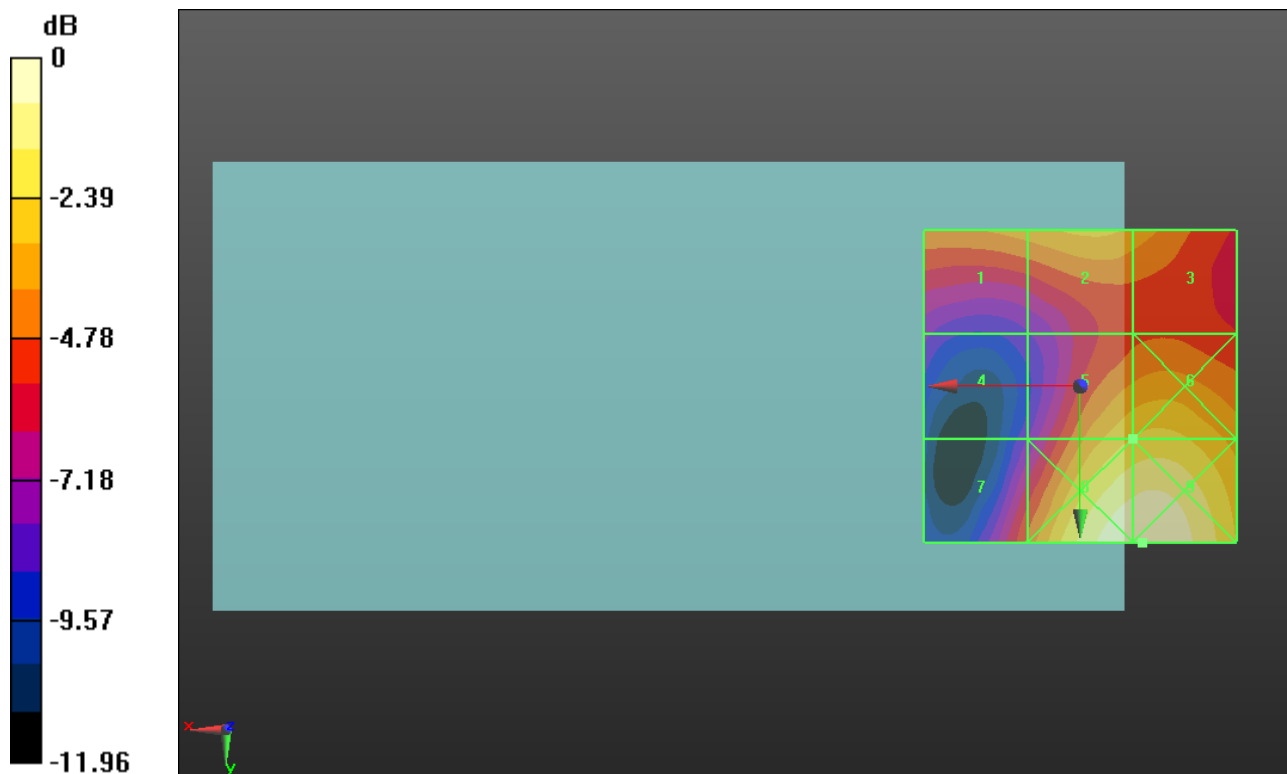
Applied MIF = 3.63 dB

RF audio interference level = 28.94 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 27.71 dBV/m	Grid 2 M4 28.29 dBV/m	Grid 3 M4 27.79 dBV/m
Grid 4 M4 23.6 dBV/m	Grid 5 M4 28.94 dBV/m	Grid 6 M4 29.18 dBV/m
Grid 7 M4 26.65 dBV/m	Grid 8 M3 31.22 dBV/m	Grid 9 M3 31.26 dBV/m



0 dB = 36.55 V/m = 31.26 dBV/m

HAC-RF Emission ANT3

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

Phantom section: RF Section

DASY5 Configuration:

- Probe: EF3DV3 - SN4041; ConvF(1, 1, 1) @ 1880 MHz; Calibrated: 3/18/2020
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1257; Calibrated: 10/10/2019
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

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 = 14.57 V/m; Power Drift = -0.09 dB

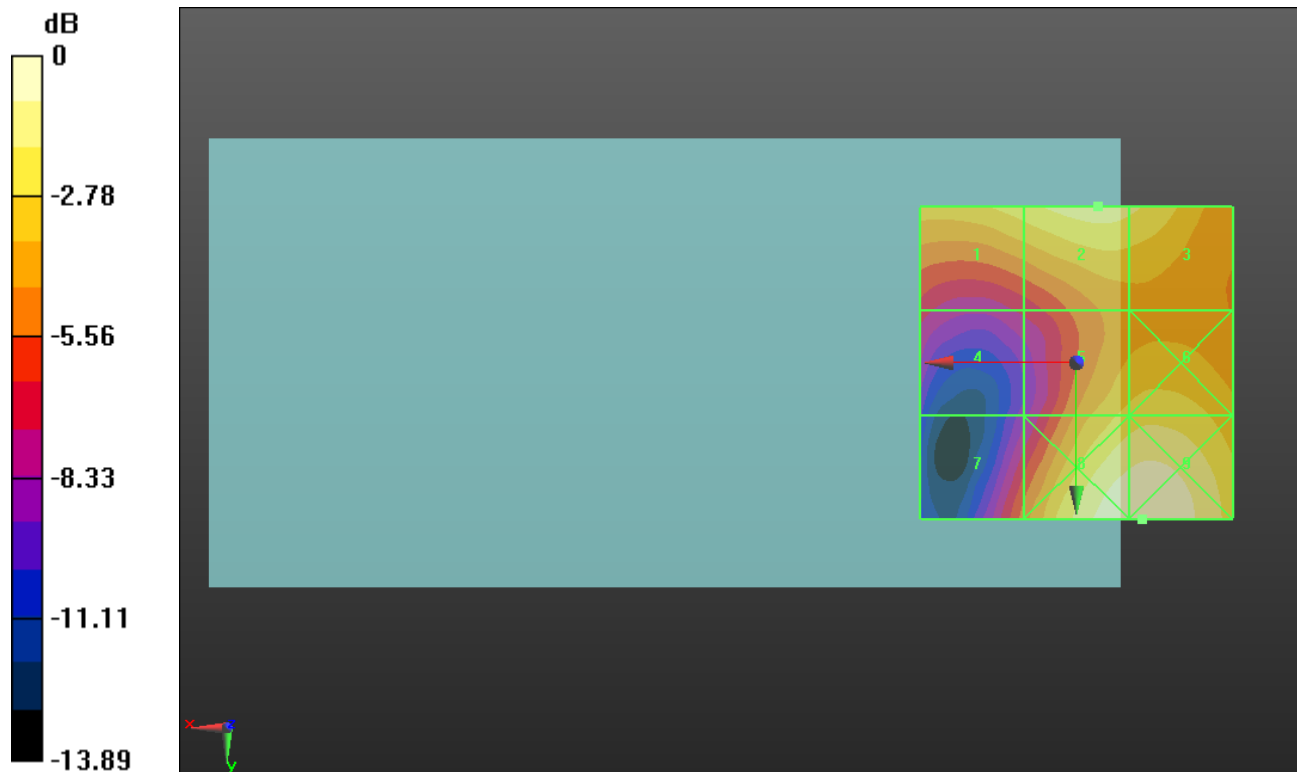
Applied MIF = 3.63 dB

RF audio interference level = 29.24 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 28.32 dBV/m	Grid 2 M4 29.24 dBV/m	Grid 3 M4 28.94 dBV/m
Grid 4 M4 23.69 dBV/m	Grid 5 M4 28.17 dBV/m	Grid 6 M4 28.46 dBV/m
Grid 7 M4 25.45 dBV/m	Grid 8 M3 30.47 dBV/m	Grid 9 M3 30.55 dBV/m



0 dB = 33.67 V/m = 30.54 dBV/m

HAC-RF Emission ANT3

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

Phantom section: RF Section

DASY5 Configuration:

- Probe: EF3DV3 - SN4041; ConvF(1, 1, 1) @ 1909.8 MHz; Calibrated: 3/18/2020
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1257; Calibrated: 10/10/2019
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

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 = 14.60 V/m; Power Drift = -0.02 dB

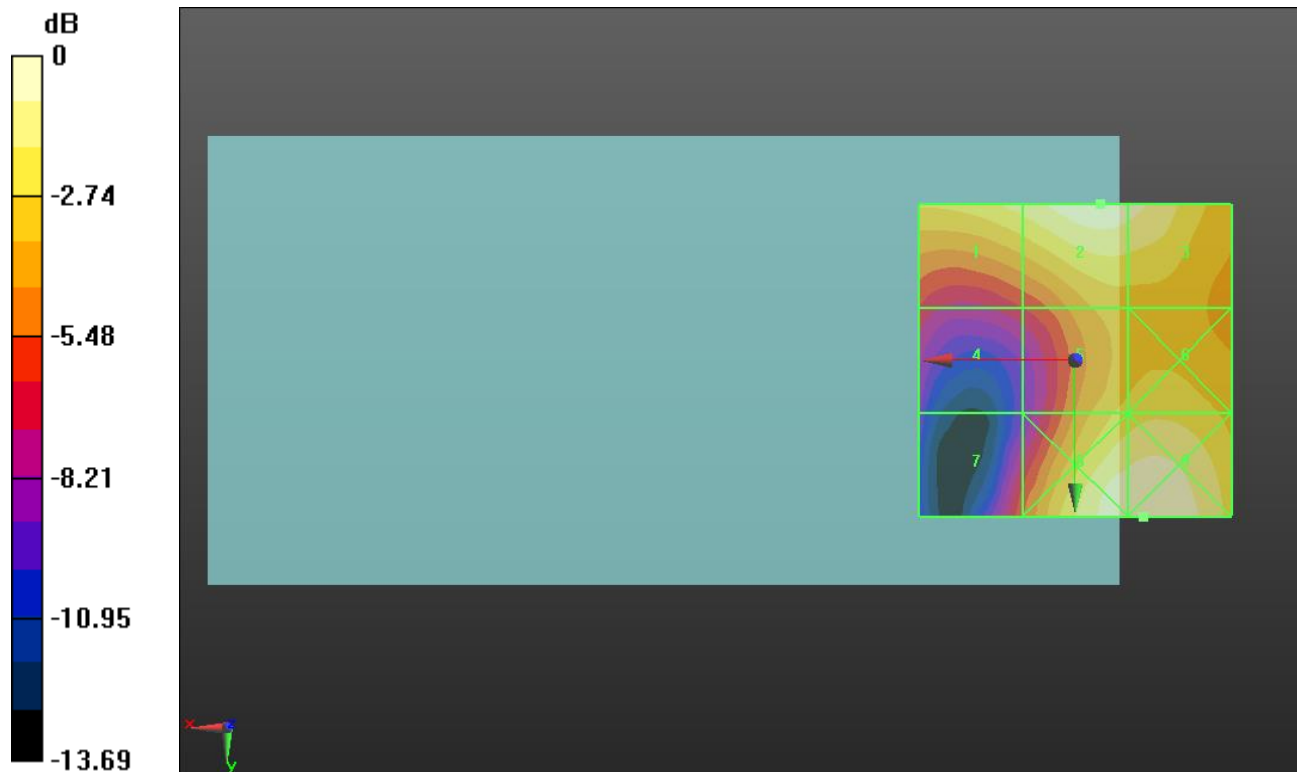
Applied MIF = 3.63 dB

RF audio interference level = 29.93 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 28.7 dBV/m	Grid 2 M4 29.93 dBV/m	Grid 3 M4 29.56 dBV/m
Grid 4 M4 23.71 dBV/m	Grid 5 M4 27.76 dBV/m	Grid 6 M4 28.12 dBV/m
Grid 7 M4 24.55 dBV/m	Grid 8 M4 29.96 dBV/m	Grid 9 M3 30.07 dBV/m



0 dB = 31.89 V/m = 30.07 dBV/m

HAC-RF Emission ANT3

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

Phantom section: RF Section

DASY5 Configuration:

- Probe: EF3DV3 - SN4041; ConvF(1, 1, 1) @ 2506 MHz; Calibrated: 3/18/2020
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1257; Calibrated: 10/10/2019
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

LTE Band 41 E-Field measurement/SC-FDMA 1RB 20 MHz 16QAM 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 = 10.95 V/m; Power Drift = 0.02 dB

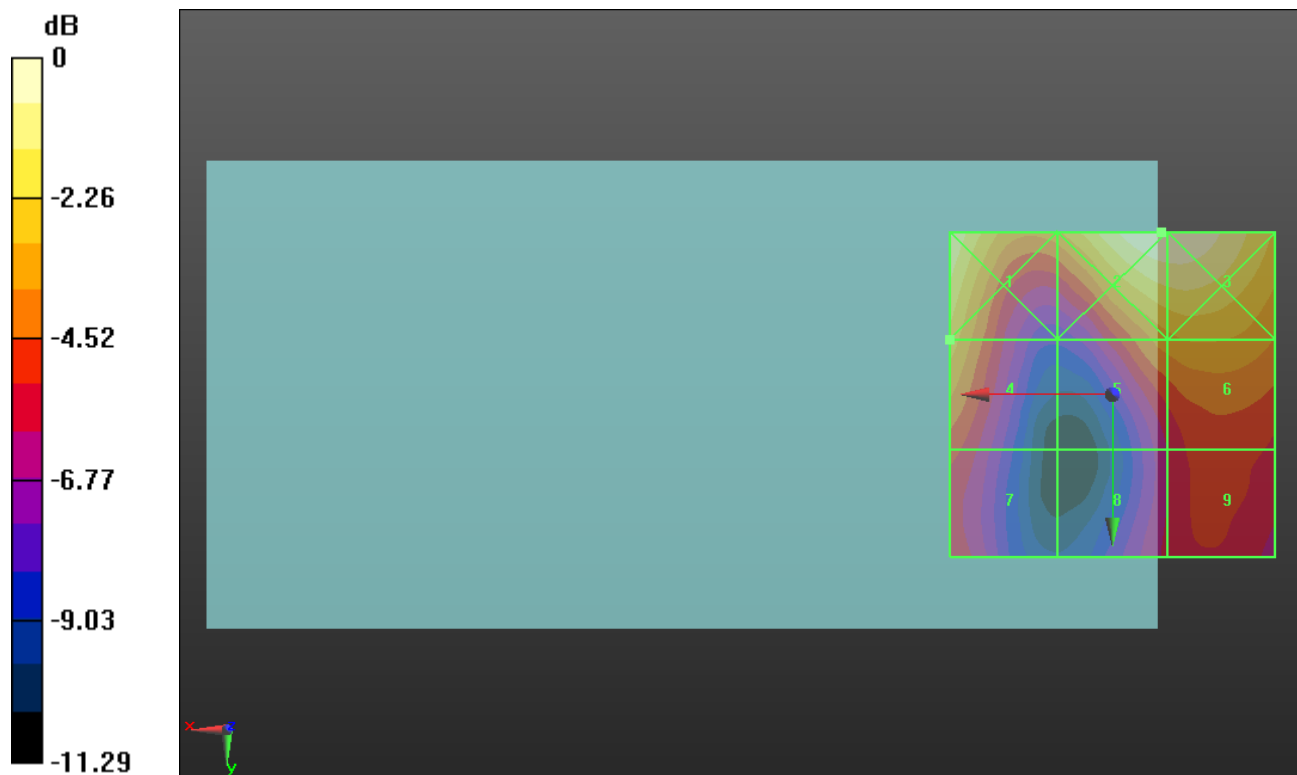
Applied MIF = -1.44 dB

RF audio interference level = 23.16 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 25.17 dBV/m	Grid 2 M4 25.69 dBV/m	Grid 3 M4 25.67 dBV/m
Grid 4 M4 23.16 dBV/m	Grid 5 M4 22.44 dBV/m	Grid 6 M4 22.77 dBV/m
Grid 7 M4 20.76 dBV/m	Grid 8 M4 19.89 dBV/m	Grid 9 M4 20.81 dBV/m



0 dB = 19.25 V/m = 25.69 dBV/m

HAC-RF Emission ANT3

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

Phantom section: RF Section

DASY5 Configuration:

- Probe: EF3DV3 - SN4041; ConvF(1, 1, 1) @ 2549.5 MHz; Calibrated: 3/18/2020
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1257; Calibrated: 10/10/2019
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

LTE Band 41 E-Field measurement/SC-FDMA 1RB 20 MHz 16QAM Ch. 40185/Hearing

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

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 10.43 V/m; Power Drift = 0.07 dB

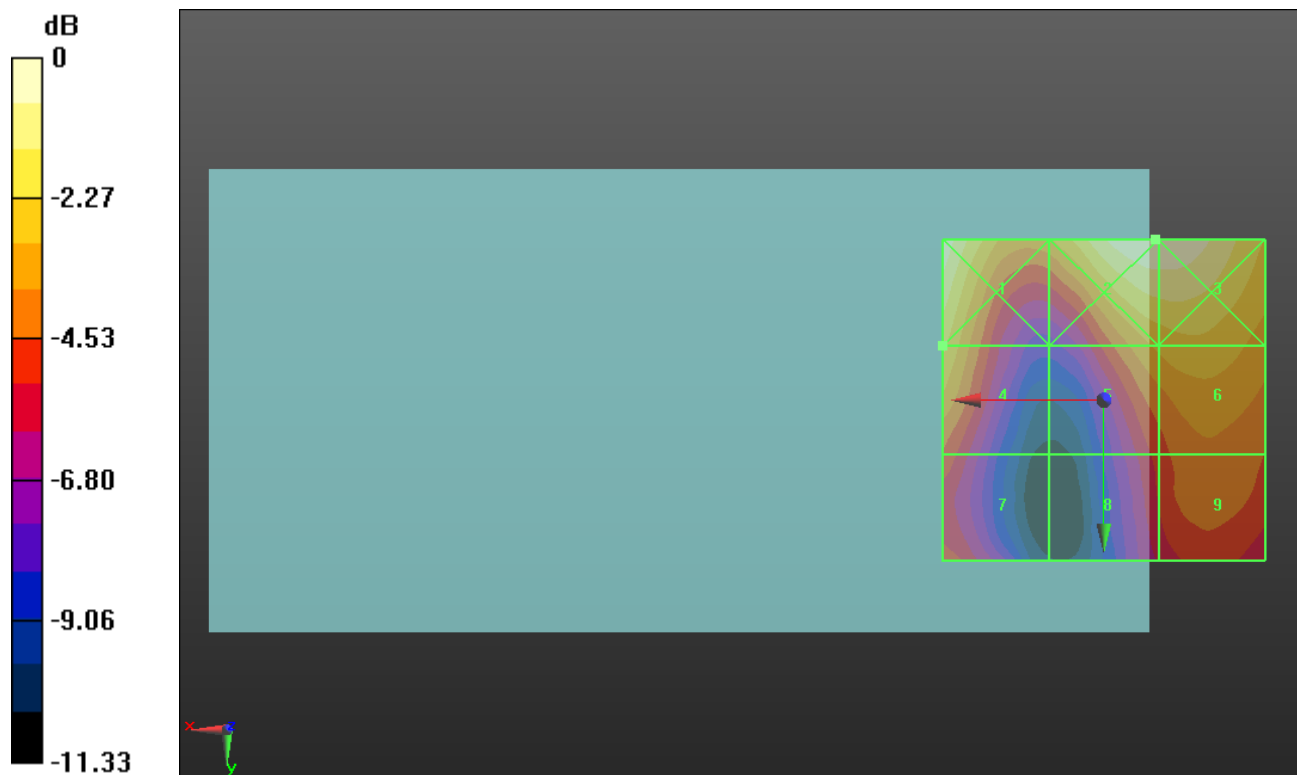
Applied MIF = -1.44 dB

RF audio interference level = 22.71 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 24.72 dBV/m	Grid 2 M4 24.77 dBV/m	Grid 3 M4 24.77 dBV/m
Grid 4 M4 22.71 dBV/m	Grid 5 M4 21.92 dBV/m	Grid 6 M4 22.31 dBV/m
Grid 7 M4 20.16 dBV/m	Grid 8 M4 19.84 dBV/m	Grid 9 M4 20.86 dBV/m



0 dB = 17.32 V/m = 24.77 dBV/m

HAC-RF Emission ANT3

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

Phantom section: RF Section

DASY5 Configuration:

- Probe: EF3DV3 - SN4041; ConvF(1, 1, 1) @ 2593 MHz; Calibrated: 3/18/2020
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1257; Calibrated: 10/10/2019
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

LTE Band 41 E-Field measurement/SC-FDMA 1RB 20 MHz 16QAM Ch. 40620/Hearing

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

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 9.534 V/m; Power Drift = -0.16 dB

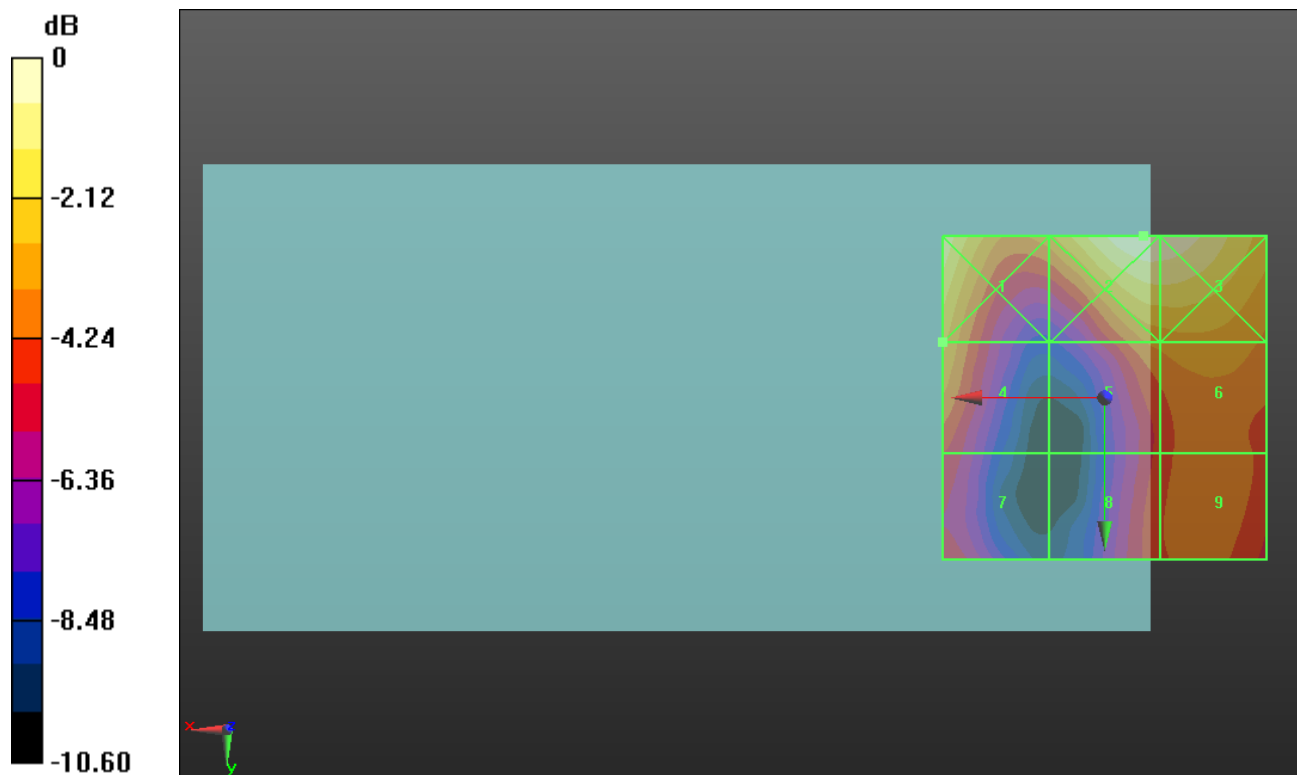
Applied MIF = -1.44 dB

RF audio interference level = 21.59 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 23.5 dBV/m	Grid 2 M4 24.17 dBV/m	Grid 3 M4 24.06 dBV/m
Grid 4 M4 21.59 dBV/m	Grid 5 M4 20.88 dBV/m	Grid 6 M4 21.16 dBV/m
Grid 7 M4 19.31 dBV/m	Grid 8 M4 19.85 dBV/m	Grid 9 M4 20.42 dBV/m



0 dB = 16.17 V/m = 24.17 dBV/m

HAC-RF Emission ANT3

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

Phantom section: RF Section

DASY5 Configuration:

- Probe: EF3DV3 - SN4041; ConvF(1, 1, 1) @ 2636.5 MHz; Calibrated: 3/18/2020
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1257; Calibrated: 10/10/2019
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

LTE Band 41 E-Field measurement/SC-FDMA 1RB 20 MHz 16QAM Ch. 41055/Hearing Aid Compatibility Test (101x101x1): Interpolated grid: dx=0.5000 mm, dy=0.5000 mm

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 8.319 V/m; Power Drift = -0.25 dB

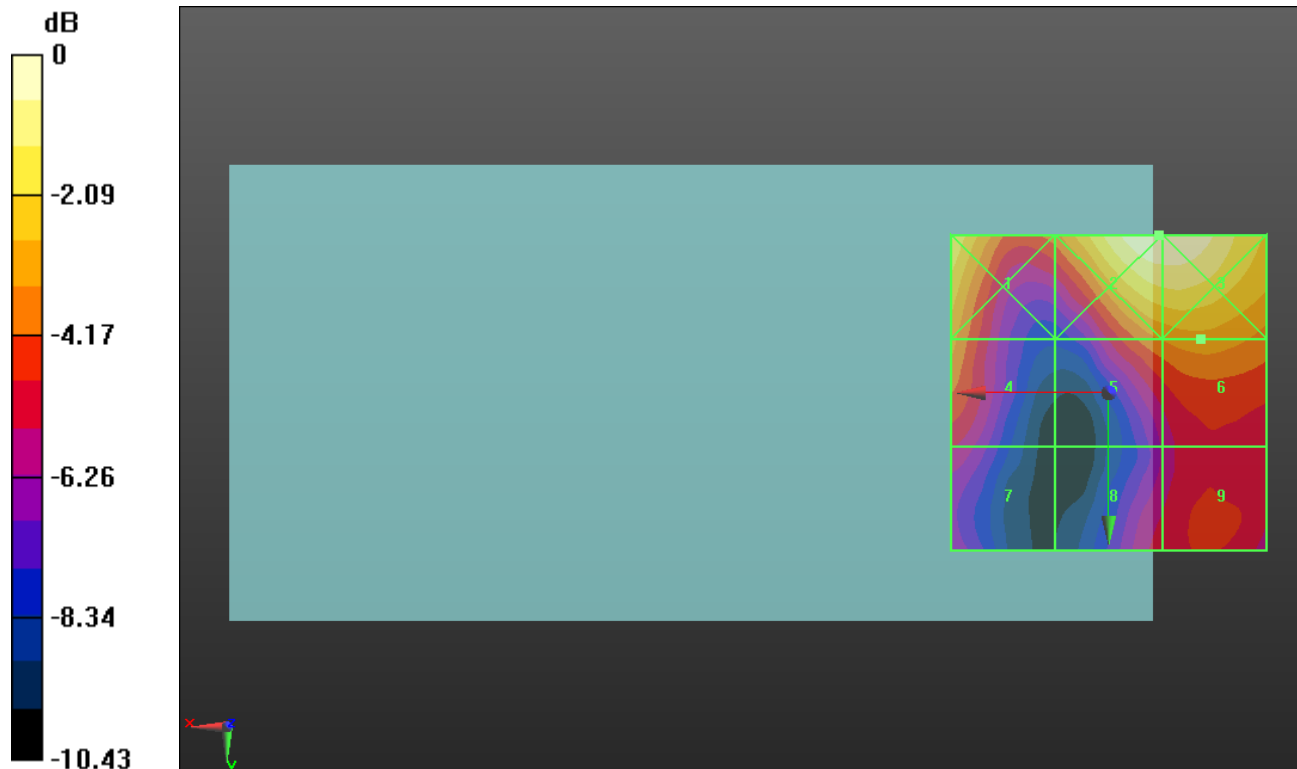
Applied MIF = -1.44 dB

RF audio interference level = 20.88 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 22.79 dBV/m	Grid 2 M4 23.91 dBV/m	Grid 3 M4 23.91 dBV/m
Grid 4 M4 20.78 dBV/m	Grid 5 M4 20.5 dBV/m	Grid 6 M4 20.88 dBV/m
Grid 7 M4 18.47 dBV/m	Grid 8 M4 18.58 dBV/m	Grid 9 M4 19.28 dBV/m



0 dB = 15.69 V/m = 23.91 dBV/m

HAC-RF Emission ANT3

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

Phantom section: RF Section

DASY5 Configuration:

- Probe: EF3DV3 - SN4041; ConvF(1, 1, 1) @ 2680 MHz; Calibrated: 3/18/2020
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1257; Calibrated: 10/10/2019
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

LTE Band 41 E-Field measurement/SC-FDMA 1RB 20 MHz 16QAM 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 = 6.671 V/m; Power Drift = -0.15 dB

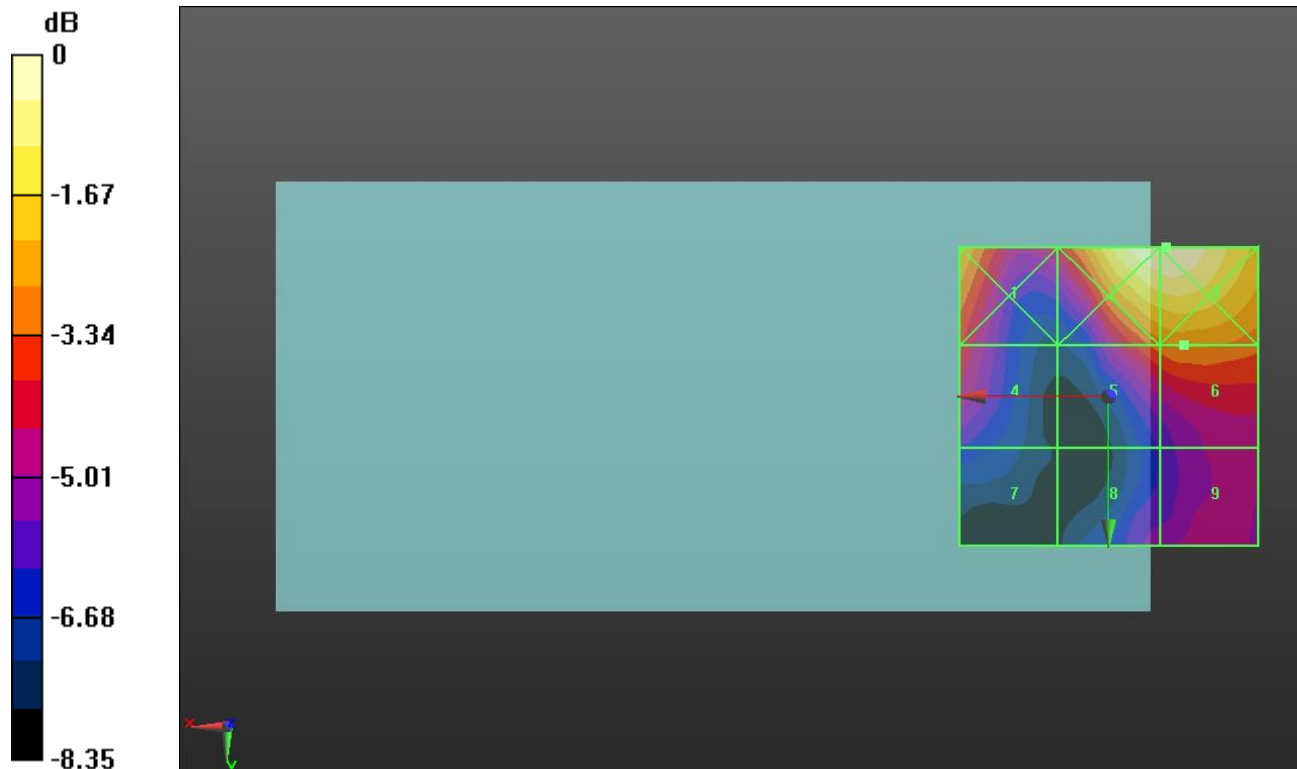
Applied MIF = -1.44 dB

RF audio interference level = 21.26 dBV/m

Emission category: **M4**

MIF scaled E-field

Grid 1 M4 22.04 dBV/m	Grid 2 M4 23.95 dBV/m	Grid 3 M4 23.96 dBV/m
Grid 4 M4 20.18 dBV/m	Grid 5 M4 20.93 dBV/m	Grid 6 M4 21.26 dBV/m
Grid 7 M4 17.92 dBV/m	Grid 8 M4 18.74 dBV/m	Grid 9 M4 19.18 dBV/m



0 dB = 15.77 V/m = 23.96 dBV/m

HAC-RF Emission ANT3

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

Phantom section: RF Section

DASY5 Configuration:

- Probe: EF3DV3 - SN4041; ConvF(1, 1, 1) @ 2506 MHz; Calibrated: 3/18/2020

- Sensor-Surface: (Fix Surface)

- Electronics: DAE4 Sn1257; Calibrated: 10/10/2019

- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB

- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

LTE Band 41_Power Class 2 E-Field measurement/SC-FDMA RB 1/49 20 MHz 16QAM

Ch. 39750/Hearing Aid Compatibility Test (101x101x1): Interpolated grid: dx=0.5000 mm, dy=0.5000 mm

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 17.10 V/m; Power Drift = -0.07 dB

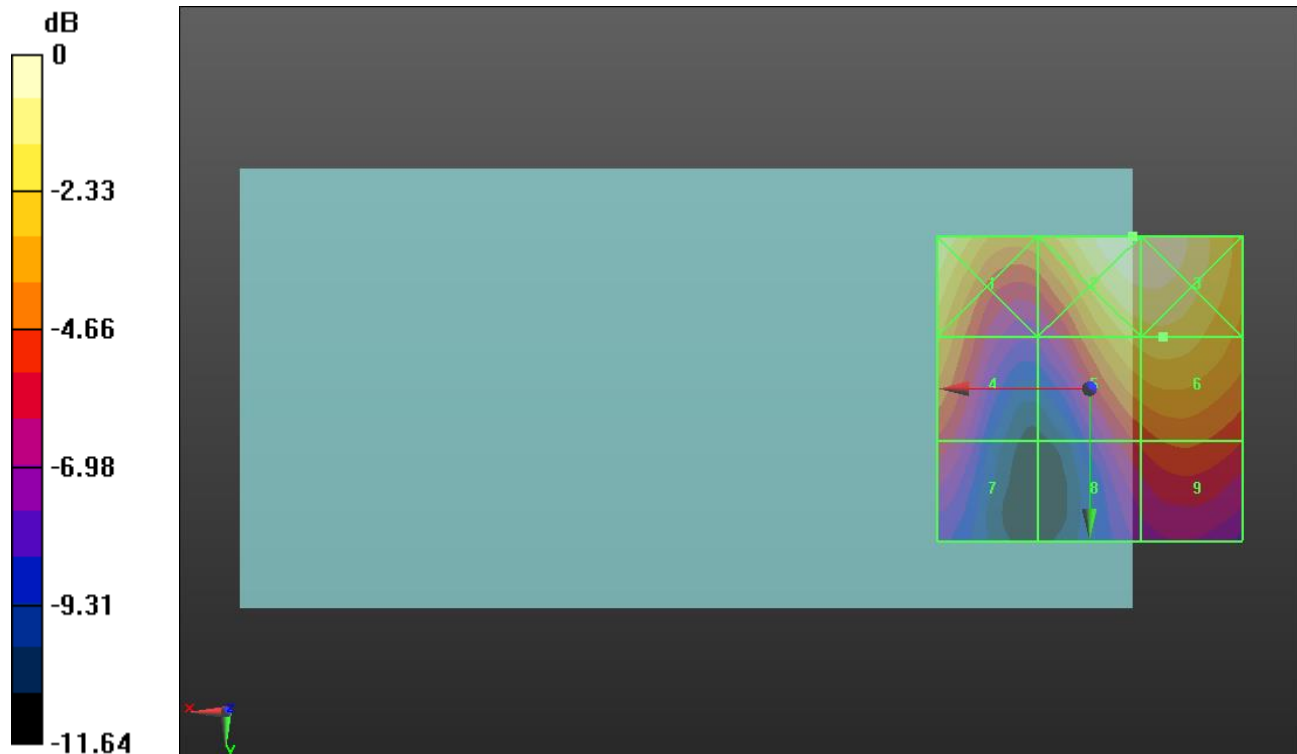
Applied MIF = -1.44 dB

RF audio interference level = 25.74 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 27.05 dBV/m	Grid 2 M4 27.53 dBV/m	Grid 3 M4 27.51 dBV/m
Grid 4 M4 24.67 dBV/m	Grid 5 M4 25.56 dBV/m	Grid 6 M4 25.74 dBV/m
Grid 7 M4 21.97 dBV/m	Grid 8 M4 22.38 dBV/m	Grid 9 M4 23.08 dBV/m



0 dB = 23.80 V/m = 27.53 dBV/m

HAC-RF Emission ANT3

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

Phantom section: RF Section

DASY5 Configuration:

- Probe: EF3DV3 - SN4041; ConvF(1, 1, 1) @ 2549.5 MHz; Calibrated: 3/18/2020

- Sensor-Surface: (Fix Surface)

- Electronics: DAE4 Sn1257; Calibrated: 10/10/2019

- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB

- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

LTE Band 41_Power Class 2 E-Field measurement/SC-FDMA RB 1/49 20 MHz 16QAM
Ch. 40185/Hearing Aid Compatibility Test (101x101x1): Interpolated grid: dx=0.5000 mm, dy=0.5000 mm

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 20.44 V/m; Power Drift = -0.07 dB

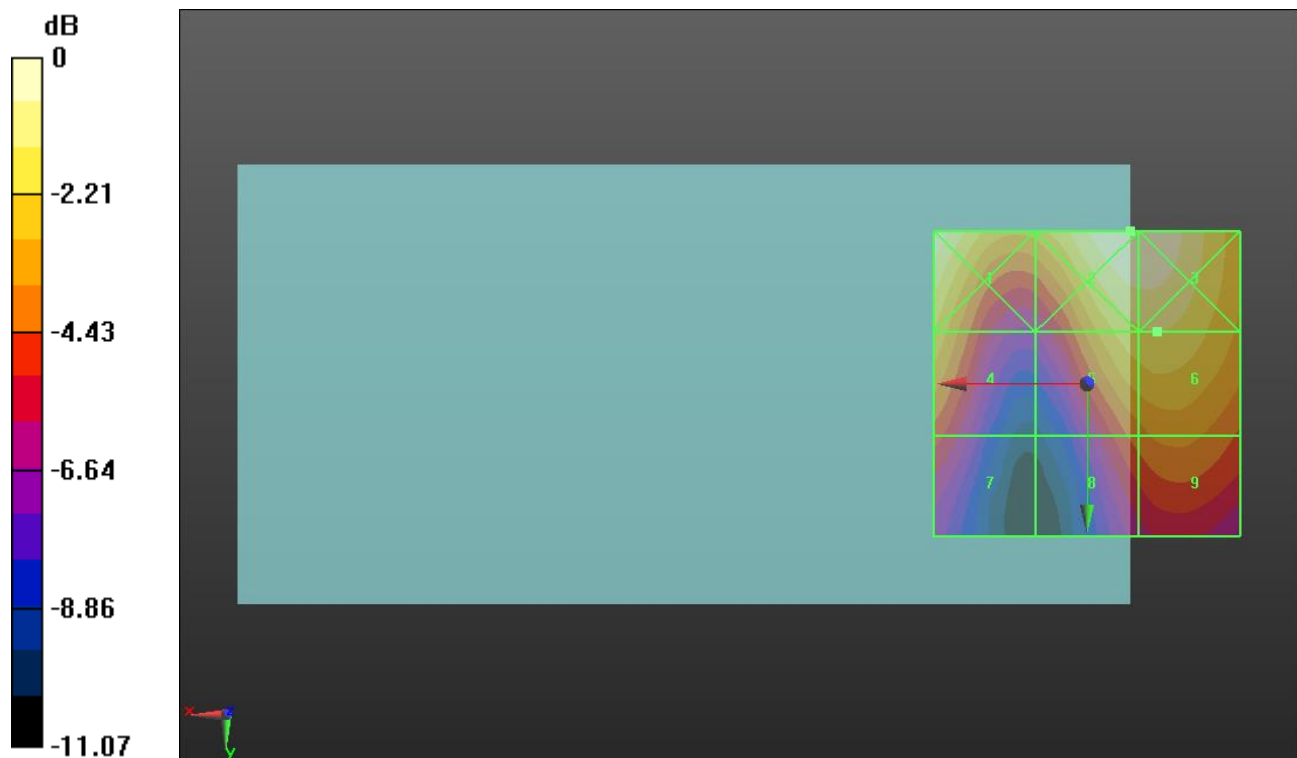
Applied MIF = -1.44 dB

RF audio interference level = 26.96 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 28.4 dBV/m	Grid 2 M4 28.43 dBV/m	Grid 3 M4 28.39 dBV/m
Grid 4 M4 26.17 dBV/m	Grid 5 M4 26.83 dBV/m	Grid 6 M4 26.96 dBV/m
Grid 7 M4 23.65 dBV/m	Grid 8 M4 24.43 dBV/m	Grid 9 M4 24.99 dBV/m



0 dB = 26.38 V/m = 28.43 dBV/m

HAC-RF Emission ANT3

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

Phantom section: RF Section

DASY5 Configuration:

- Probe: EF3DV3 - SN4041; ConvF(1, 1, 1) @ 2593 MHz; Calibrated: 3/18/2020

- Sensor-Surface: (Fix Surface)

- Electronics: DAE4 Sn1257; Calibrated: 10/10/2019

- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB

- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

LTE Band 41_Power Class 2 E-Field measurement/SC-FDMA RB 1/49 20 MHz 16QAM

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 = 14.56 V/m; Power Drift = -0.15 dB

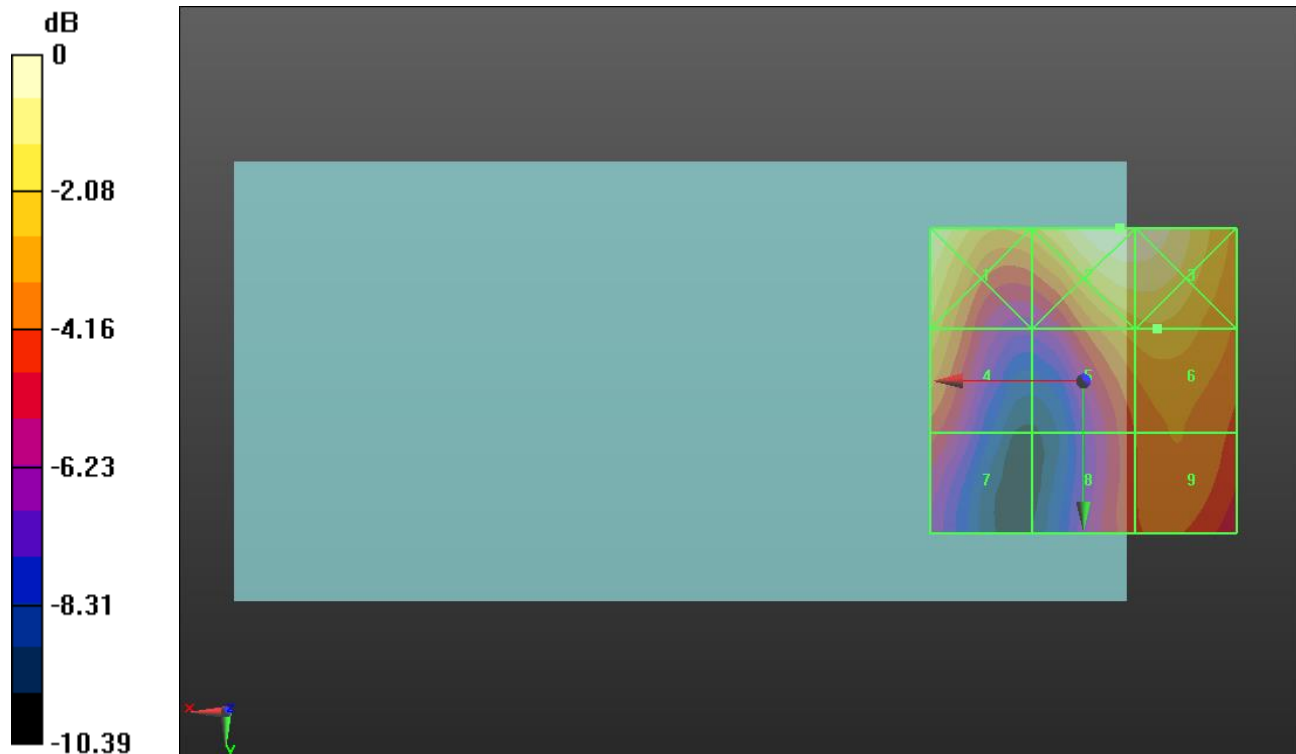
Applied MIF = -1.44 dB

RF audio interference level = 24.43 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 26.25 dBV/m	Grid 2 M4 26.63 dBV/m	Grid 3 M4 26.54 dBV/m
Grid 4 M4 24.38 dBV/m	Grid 5 M4 24.24 dBV/m	Grid 6 M4 24.43 dBV/m
Grid 7 M4 22.1 dBV/m	Grid 8 M4 22.51 dBV/m	Grid 9 M4 23.2 dBV/m



0 dB = 21.45 V/m = 26.63 dBV/m

HAC-RF Emission ANT3

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

Phantom section: RF Section

DASY5 Configuration:

- Probe: EF3DV3 - SN4041; ConvF(1, 1, 1) @ 2636.5 MHz; Calibrated: 3/18/2020
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1257; Calibrated: 10/10/2019
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

LTE Band 41_Power Class 2 E-Field measurement/SC-FDMA RB 1/49 20 MHz 16QAM
Ch. 41055/Hearing Aid Compatibility Test (101x101x1): Interpolated grid: dx=0.5000 mm, dy=0.5000 mm

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 10.40 V/m; Power Drift = -0.02 dB

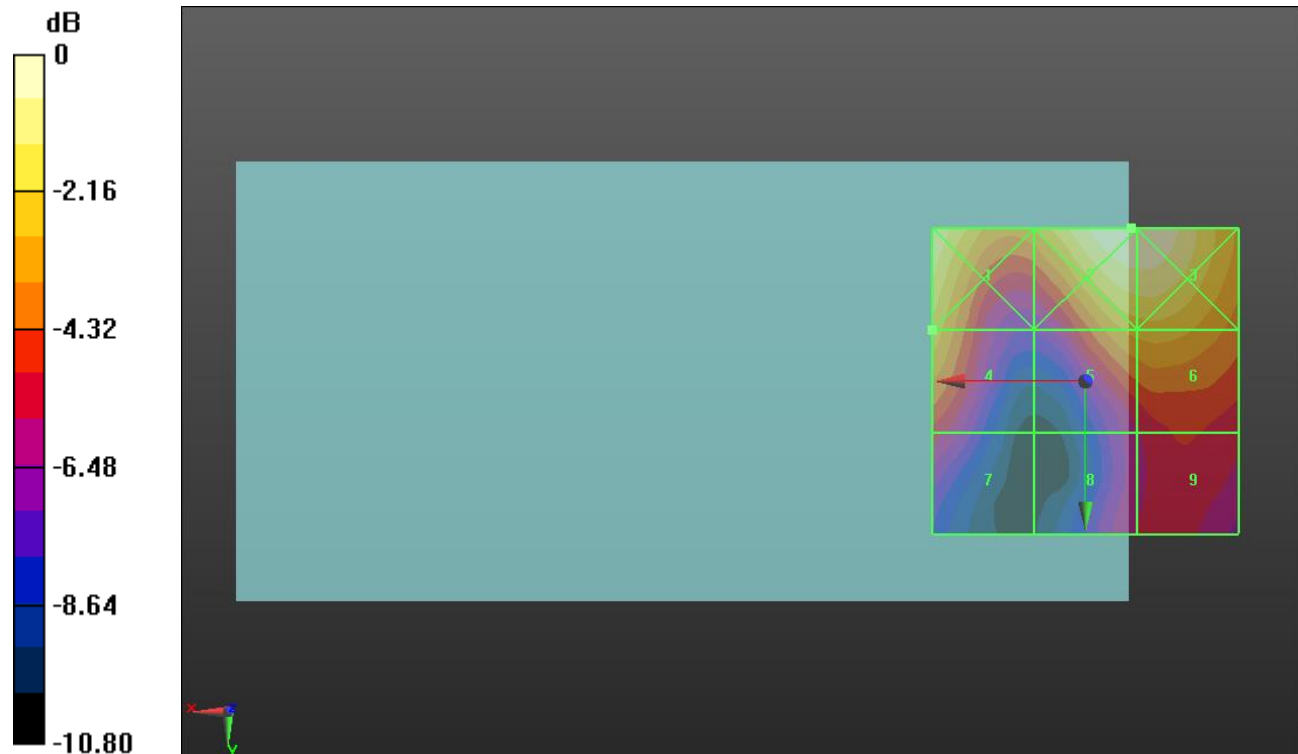
Applied MIF = -1.44 dB

RF audio interference level = 22.05 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 23.96 dBV/m	Grid 2 M4 24.45 dBV/m	Grid 3 M4 24.43 dBV/m
Grid 4 M4 22.05 dBV/m	Grid 5 M4 21.89 dBV/m	Grid 6 M4 22.02 dBV/m
Grid 7 M4 19.12 dBV/m	Grid 8 M4 18.74 dBV/m	Grid 9 M4 19.5 dBV/m



0 dB = 16.69 V/m = 24.45 dBV/m

HAC-RF Emission ANT3

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

Phantom section: RF Section

DASY5 Configuration:

- Probe: EF3DV3 - SN4041; ConvF(1, 1, 1) @ 2680 MHz; Calibrated: 3/18/2020

- Sensor-Surface: (Fix Surface)

- Electronics: DAE4 Sn1257; Calibrated: 10/10/2019

- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB

- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

LTE Band 41_Power Class 2 E-Field measurement/SC-FDMA RB 1/49 20 MHz 16QAM

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 = 11.91 V/m; Power Drift = -0.07 dB

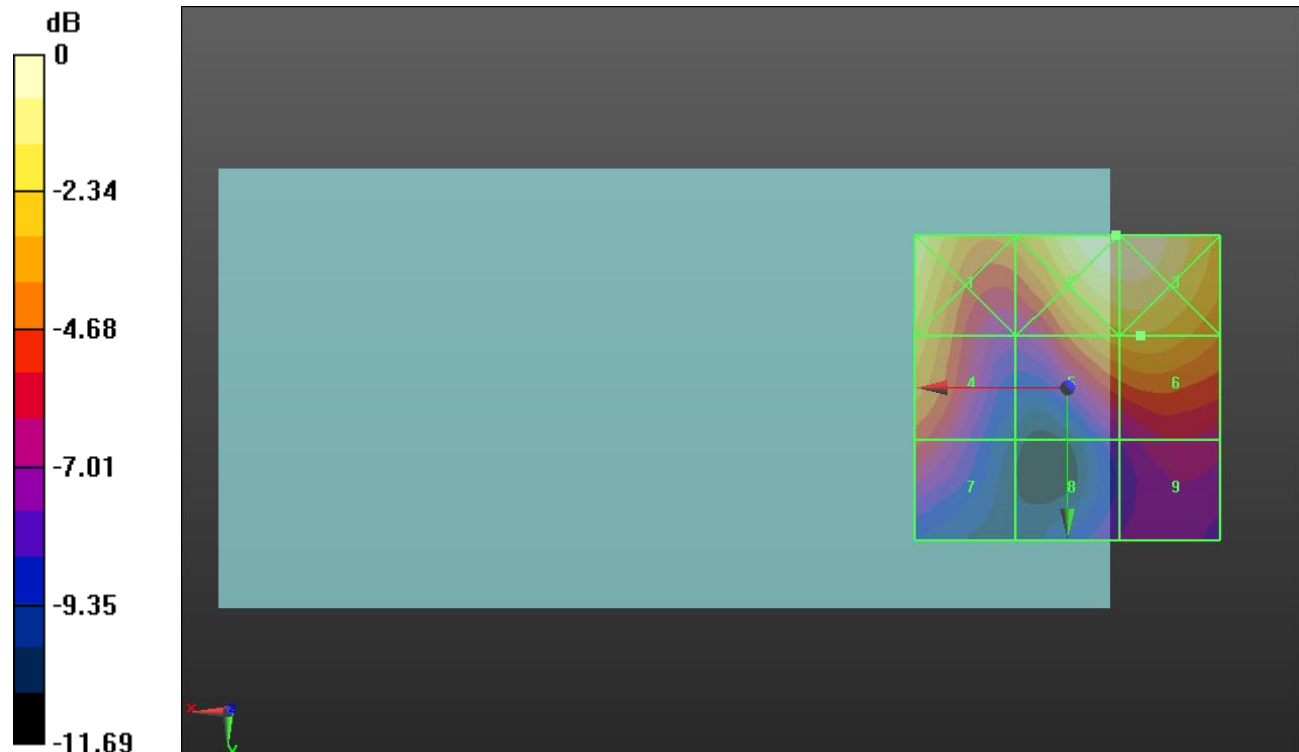
Applied MIF = -1.44 dB

RF audio interference level = 24.31 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 26.1 dBV/m	Grid 2 M4 26.74 dBV/m	Grid 3 M4 26.74 dBV/m
Grid 4 M4 24.26 dBV/m	Grid 5 M4 24.1 dBV/m	Grid 6 M4 24.31 dBV/m
Grid 7 M4 21.62 dBV/m	Grid 8 M4 19.1 dBV/m	Grid 9 M4 20.5 dBV/m



0 dB = 21.73 V/m = 26.74 dBV/m

HAC-RF Emission ANT3 Wi-Fi 2.4GHz

Communication System: UID 10061 - CAB, IEEE 802.11b WiFi 2.4 GHz (DSSS, 11 Mbps); Frequency: 2417 MHz; Duty Cycle: 1:2.29034

Phantom section: RF Section

DASY5 Configuration:

- Probe: EF3DV3 - SN4041; ConvF(1, 1, 1) @ 2417 MHz; Calibrated: 3/18/2020
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1257; Calibrated: 10/10/2019
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

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 = 15.64 V/m; Power Drift = -0.00 dB

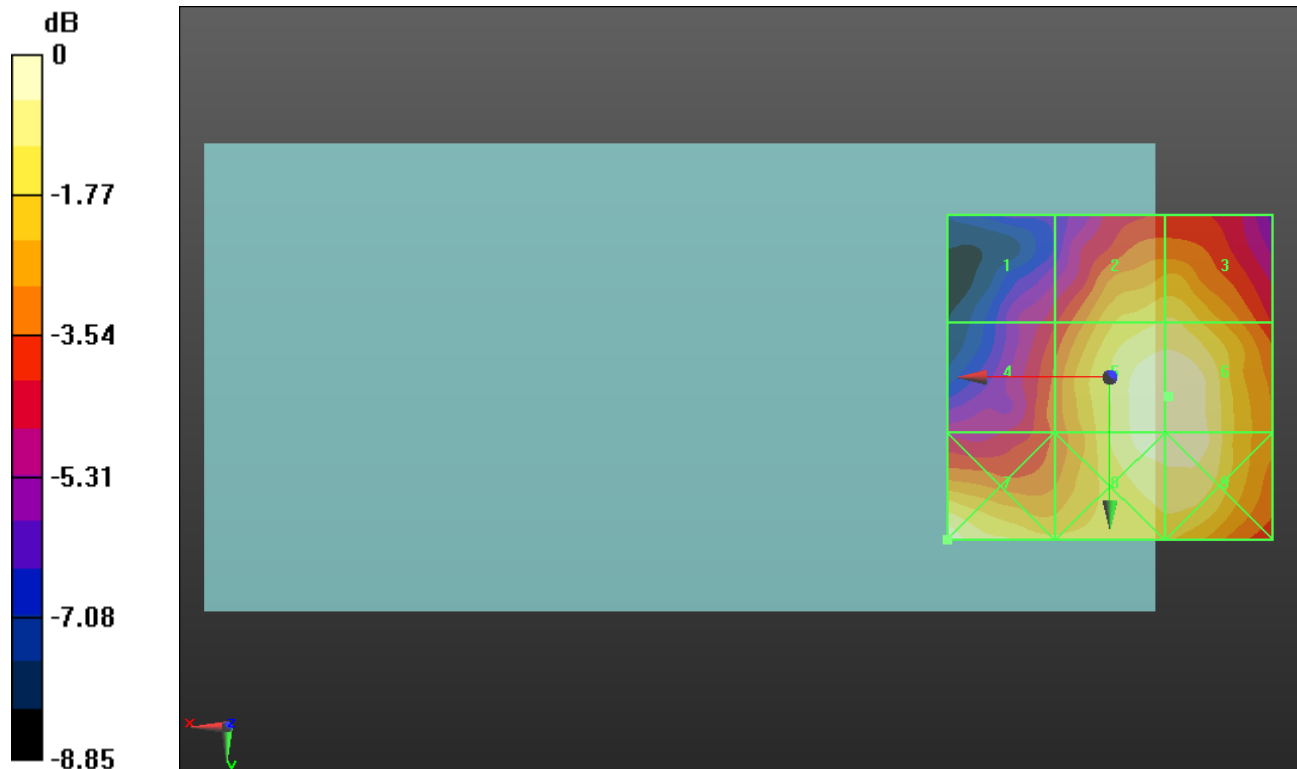
Applied MIF = -2.02 dB

RF audio interference level = 20.17 dBV/m

Emission category: **M4**

MIF scaled E-field

Grid 1 M4 16.01 dBV/m	Grid 2 M4 19.12 dBV/m	Grid 3 M4 19.14 dBV/m
Grid 4 M4 16.99 dBV/m	Grid 5 M4 20.17 dBV/m	Grid 6 M4 20.17 dBV/m
Grid 7 M4 20.23 dBV/m	Grid 8 M4 20.02 dBV/m	Grid 9 M4 20.02 dBV/m



0 dB = 10.27 V/m = 20.23 dBV/m

HAC-RF Emission ANT3 Wi-Fi 2.4GHz

Communication System: UID 10061 - CAB, IEEE 802.11b WiFi 2.4 GHz (DSSS, 11 Mbps); Frequency: 2437 MHz; Duty Cycle: 1:2.29034

Phantom section: RF Section

DASY5 Configuration:

- Probe: EF3DV3 - SN4041; ConvF(1, 1, 1) @ 2437 MHz; Calibrated: 3/18/2020
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1257; Calibrated: 10/10/2019
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

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 = 14.72 V/m; Power Drift = -0.12 dB

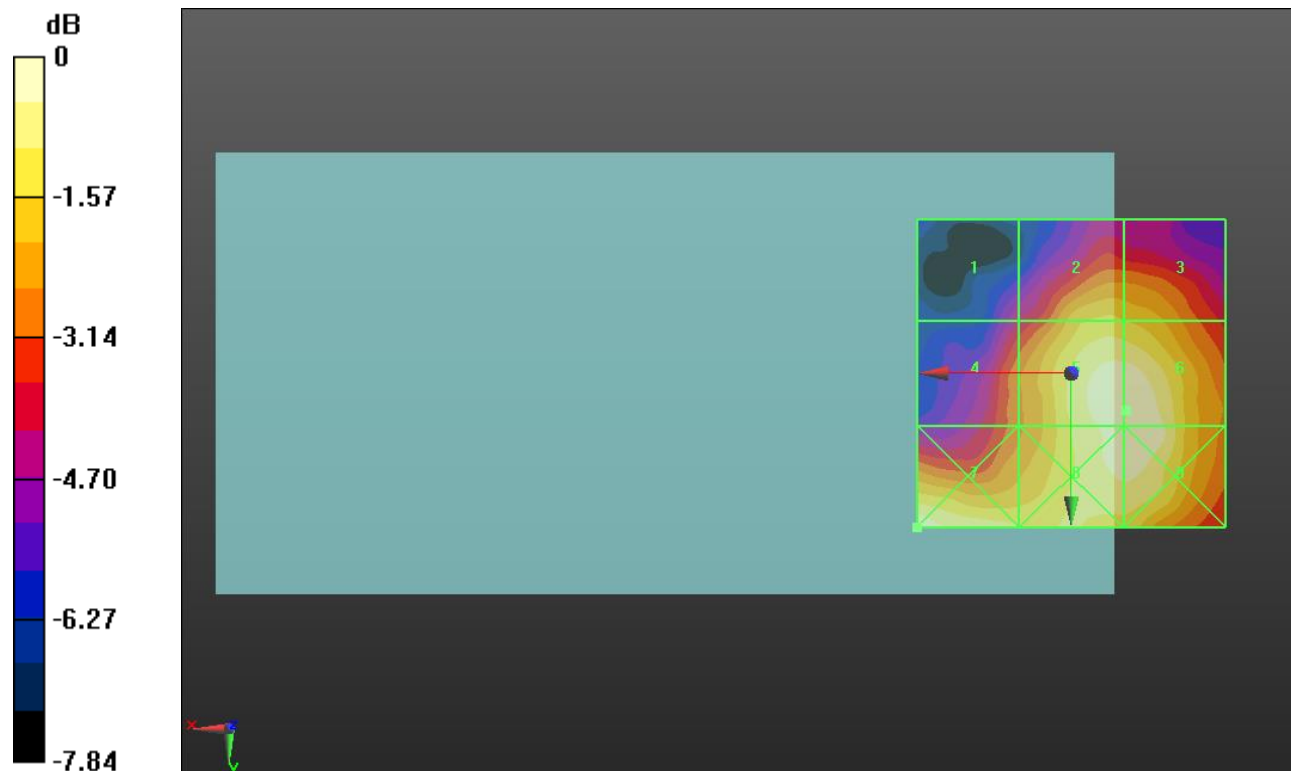
Applied MIF = -2.02 dB

RF audio interference level = 19.69 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 15.61 dBV/m	Grid 2 M4 18.36 dBV/m	Grid 3 M4 18.23 dBV/m
Grid 4 M4 17.12 dBV/m	Grid 5 M4 19.68 dBV/m	Grid 6 M4 19.69 dBV/m
Grid 7 M4 19.76 dBV/m	Grid 8 M4 19.64 dBV/m	Grid 9 M4 19.67 dBV/m



0 dB = 9.728 V/m = 19.76 dBV/m

HAC-RF Emission ANT3 Wi-Fi 2.4GHz

Communication System: UID 10061 - CAB, IEEE 802.11b WiFi 2.4 GHz (DSSS, 11 Mbps); Frequency: 2462 MHz; Duty Cycle: 1:2.29034

Phantom section: RF Section

DASY5 Configuration:

- Probe: EF3DV3 - SN4041; ConvF(1, 1, 1) @ 2462 MHz; Calibrated: 3/18/2020
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1257; Calibrated: 10/10/2019
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

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 = 15.14 V/m; Power Drift = -0.14 dB

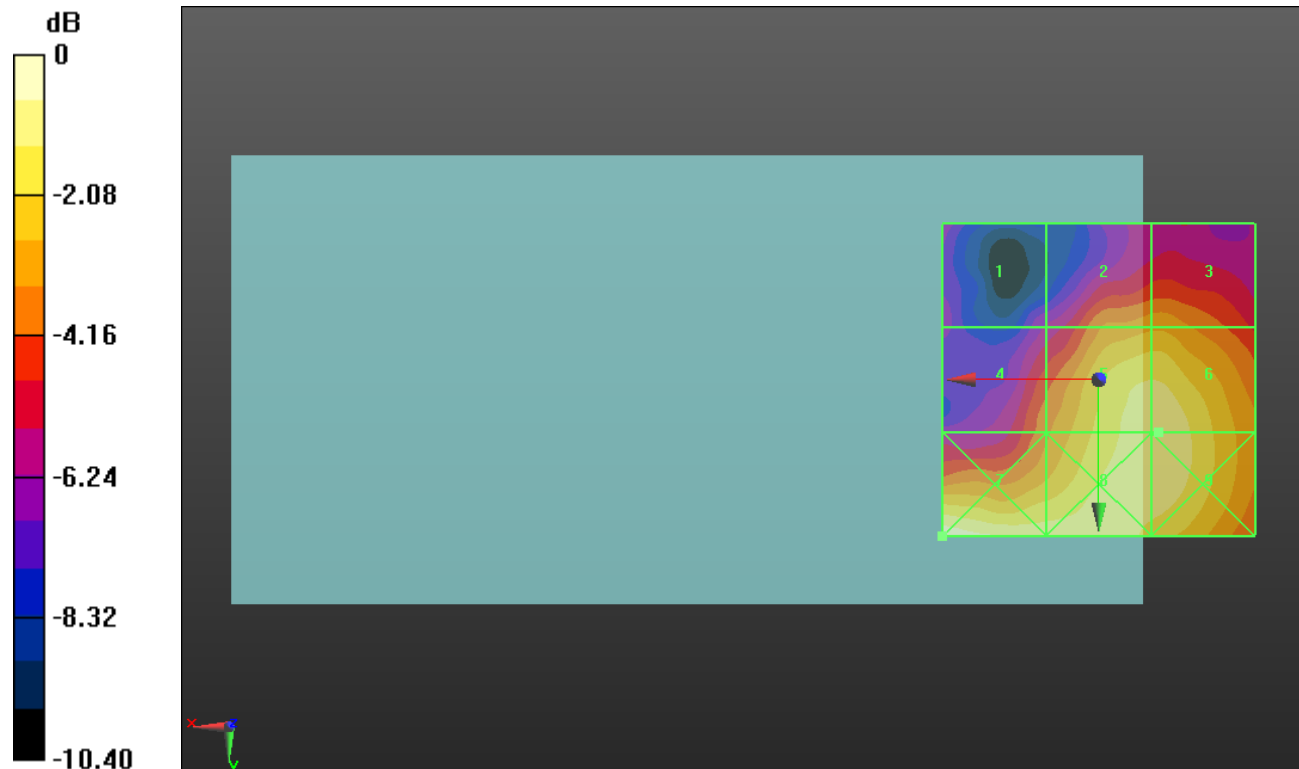
Applied MIF = -2.02 dB

RF audio interference level = 20.19 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 14.87 dBV/m	Grid 2 M4 18.1 dBV/m	Grid 3 M4 18.12 dBV/m
Grid 4 M4 17.36 dBV/m	Grid 5 M4 20.16 dBV/m	Grid 6 M4 20.19 dBV/m
Grid 7 M4 21.01 dBV/m	Grid 8 M4 20.22 dBV/m	Grid 9 M4 20.25 dBV/m



0 dB = 11.23 V/m = 21.01 dBV/m

HAC-RF Emission ANT3 Wi-Fi 2.4GHz

Communication System: UID 10077 - CAB, IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 54 Mbps); Frequency: 2422 MHz; Duty Cycle: 1:12.5777

Phantom section: RF Section

DASY5 Configuration:

- Probe: EF3DV3 - SN4041; ConvF(1, 1, 1) @ 2422 MHz; Calibrated: 3/18/2020
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1257; Calibrated: 10/10/2019
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

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 = 16.56 V/m; Power Drift = 0.02 dB

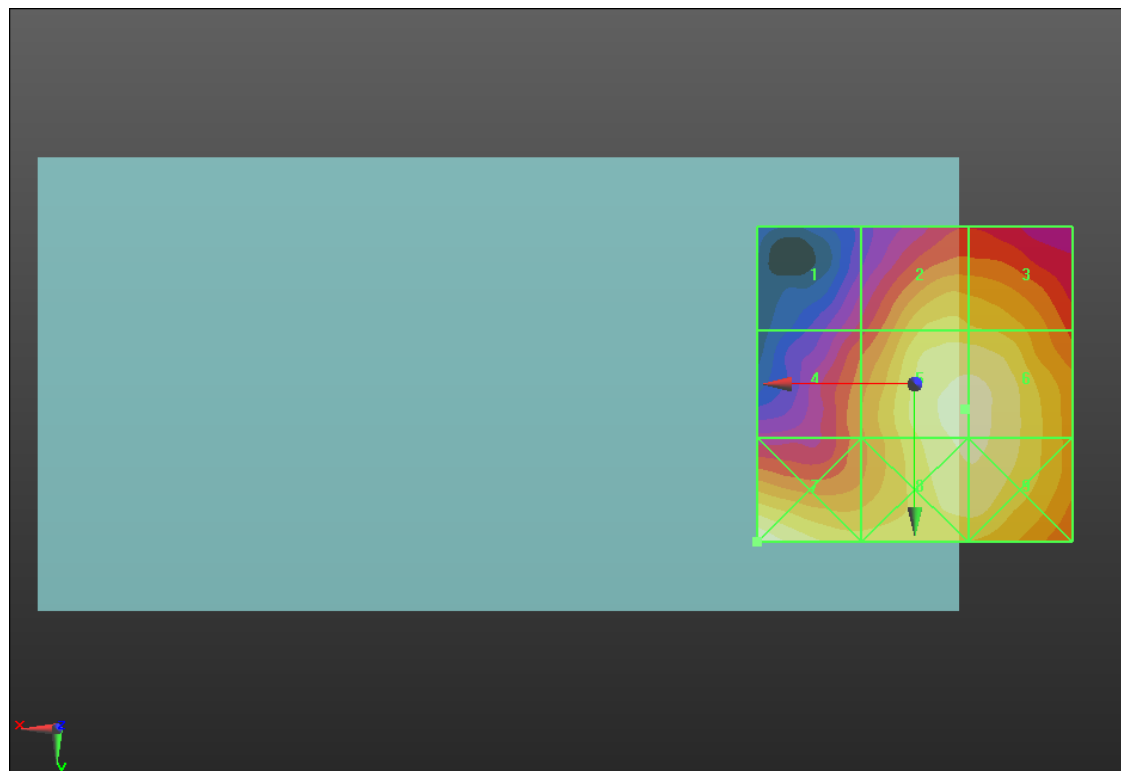
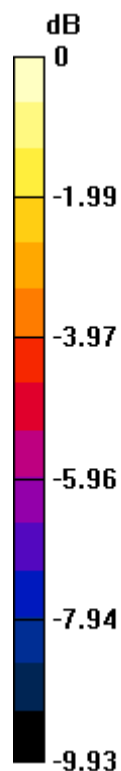
Applied MIF = 0.12 dB

RF audio interference level = 22.58 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 18.16 dBV/m	Grid 2 M4 21.45 dBV/m	Grid 3 M4 21.26 dBV/m
Grid 4 M4 19.74 dBV/m	Grid 5 M4 22.58 dBV/m	Grid 6 M4 22.58 dBV/m
Grid 7 M4 23.03 dBV/m	Grid 8 M4 22.51 dBV/m	Grid 9 M4 22.51 dBV/m



0 dB = 14.18 V/m = 23.03 dBV/m

HAC-RF Emission ANT3 Wi-Fi 2.4GHz

Communication System: UID 10077 - CAB, IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 54 Mbps); Frequency: 2437 MHz; Duty Cycle: 1:12.5777

Phantom section: RF Section

DASY5 Configuration:

- Probe: EF3DV3 - SN4041; ConvF(1, 1, 1) @ 2437 MHz; Calibrated: 3/18/2020
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1257; Calibrated: 10/10/2019
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

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 = 14.80 V/m; Power Drift = -0.12 dB

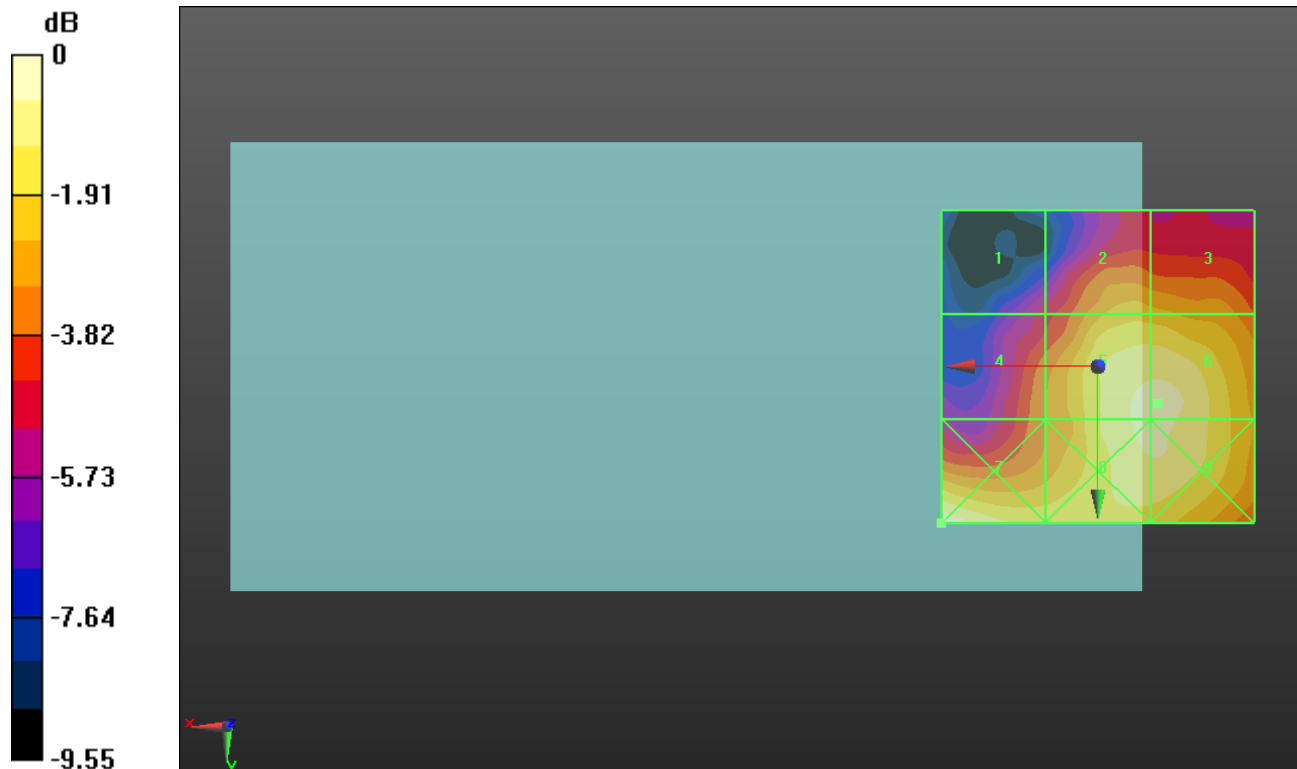
Applied MIF = 0.12 dB

RF audio interference level = 21.42 dBV/m

Emission category: **M4**

MIF scaled E-field

Grid 1 M4 17.1 dBV/m	Grid 2 M4 19.73 dBV/m	Grid 3 M4 19.58 dBV/m
Grid 4 M4 18.67 dBV/m	Grid 5 M4 21.4 dBV/m	Grid 6 M4 21.42 dBV/m
Grid 7 M4 21.86 dBV/m	Grid 8 M4 21.34 dBV/m	Grid 9 M4 21.34 dBV/m



0 dB = 12.38 V/m = 21.85 dBV/m

HAC-RF Emission ANT3 Wi-Fi 2.4GHz

Communication System: UID 10077 - CAB, IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 54 Mbps); Frequency: 2452 MHz; Duty Cycle: 1:12.5777

Phantom section: RF Section

DASY5 Configuration:

- Probe: EF3DV3 - SN4041; ConvF(1, 1, 1) @ 2452 MHz; Calibrated: 3/18/2020
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1257; Calibrated: 10/10/2019
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

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 = 14.28 V/m; Power Drift = -0.18 dB

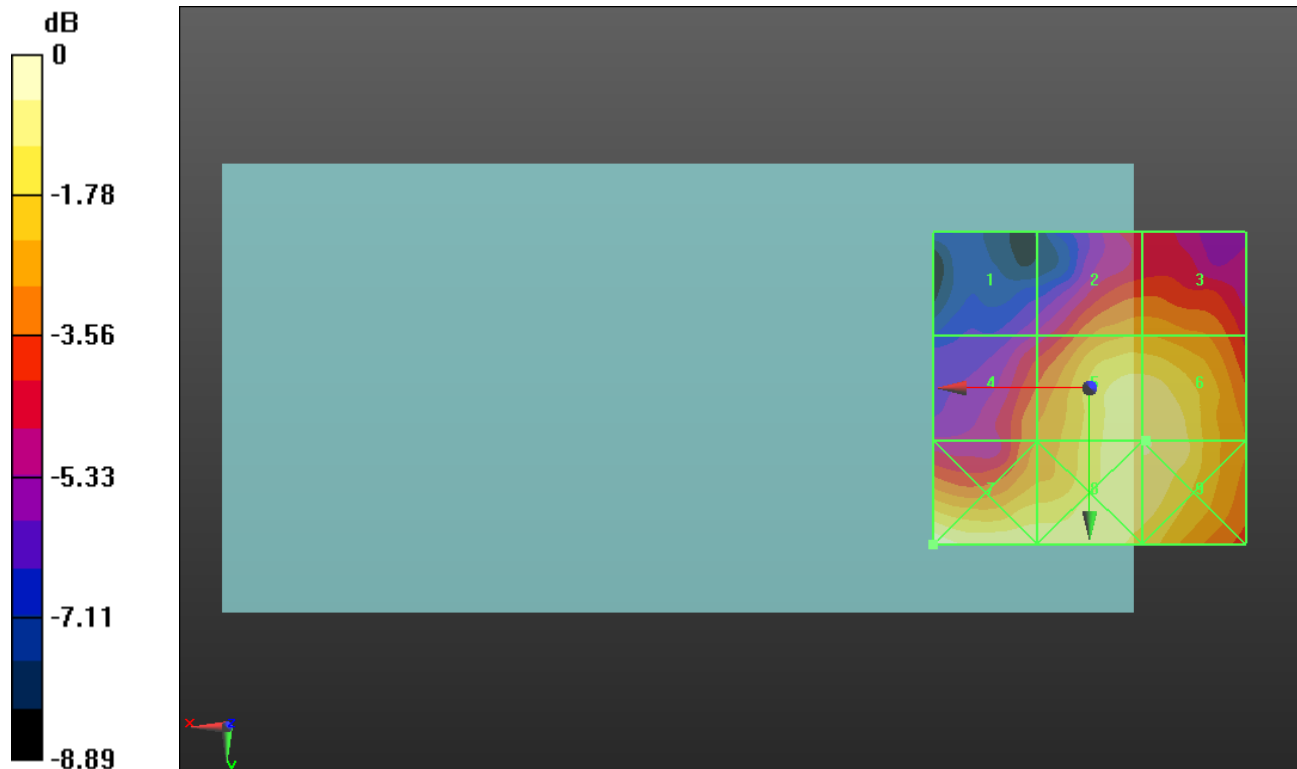
Applied MIF = 0.12 dB

RF audio interference level = 21.69 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 17.08 dBV/m	Grid 2 M4 19.9 dBV/m	Grid 3 M4 19.9 dBV/m
Grid 4 M4 19.36 dBV/m	Grid 5 M4 21.68 dBV/m	Grid 6 M4 21.69 dBV/m
Grid 7 M4 22.27 dBV/m	Grid 8 M4 21.69 dBV/m	Grid 9 M4 21.7 dBV/m



0 dB = 12.99 V/m = 22.27 dBV/m

HAC-RF Emission ANT4

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

Phantom section: RF Section

DASY5 Configuration:

- Probe: EF3DV3 - SN4041; ConvF(1, 1, 1) @ 1850.2 MHz; Calibrated: 3/18/2020
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1257; Calibrated: 10/10/2019
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

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 = 15.42 V/m; Power Drift = -0.12 dB

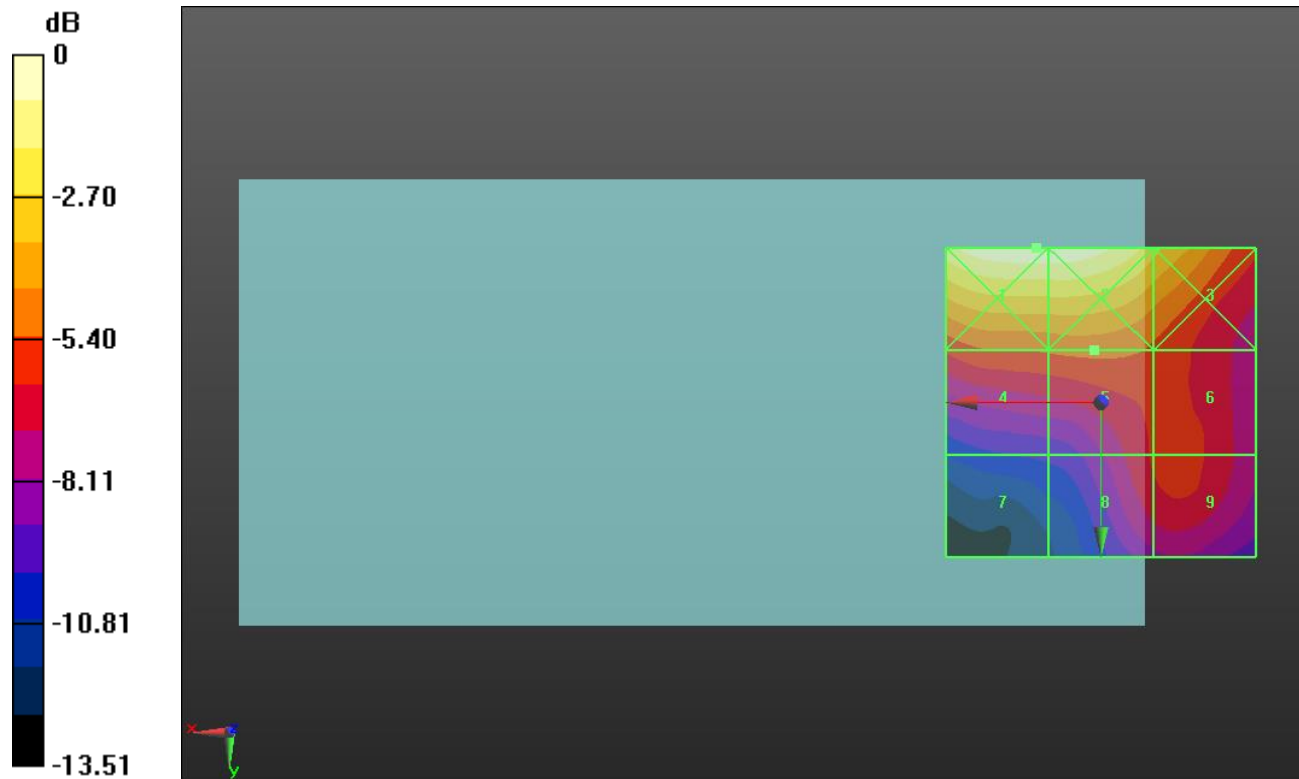
Applied MIF = 3.63 dB

RF audio interference level = 27.19 dBV/m

Emission category: **M4**

MIF scaled E-field

Grid 1 M3 32.25 dBV/m	Grid 2 M3 32.23 dBV/m	Grid 3 M4 29.92 dBV/m
Grid 4 M4 27 dBV/m	Grid 5 M4 27.19 dBV/m	Grid 6 M4 26.71 dBV/m
Grid 7 M4 22.64 dBV/m	Grid 8 M4 26.11 dBV/m	Grid 9 M4 26.38 dBV/m



HAC-RF Emission ANT4

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

Phantom section: RF Section

DASY5 Configuration:

- Probe: EF3DV3 - SN4041; ConvF(1, 1, 1) @ 1880 MHz; Calibrated: 3/18/2020
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1257; Calibrated: 10/10/2019
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

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 = 15.76 V/m; Power Drift = 0.02 dB

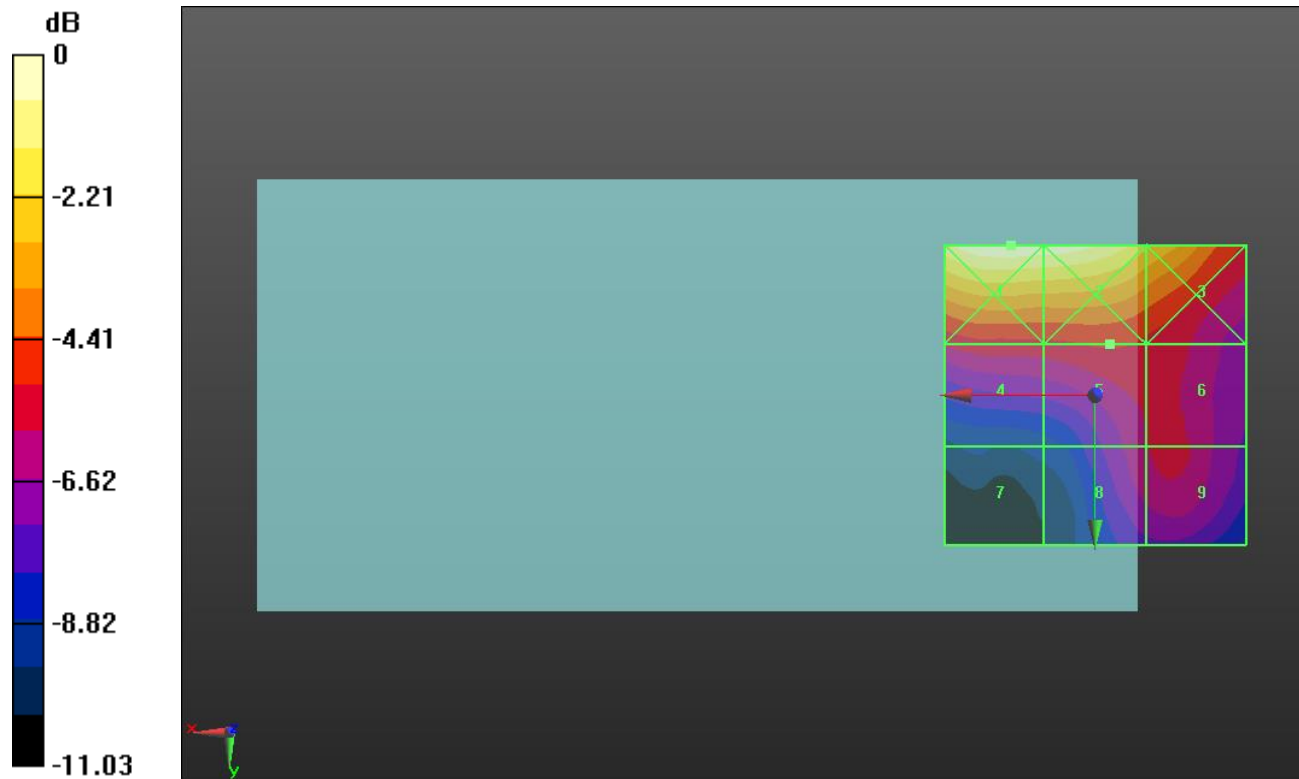
Applied MIF = 3.63 dB

RF audio interference level = 27.08 dBV/m

Emission category: **M4**

MIF scaled E-field

Grid 1 M3 32.12 dBV/m	Grid 2 M3 32 dBV/m	Grid 3 M3 30.12 dBV/m
Grid 4 M4 26.81 dBV/m	Grid 5 M4 27.08 dBV/m	Grid 6 M4 26.84 dBV/m
Grid 7 M4 22.99 dBV/m	Grid 8 M4 26.21 dBV/m	Grid 9 M4 26.47 dBV/m



0 dB = 40.35 V/m = 32.12 dBV/m

HAC-RF Emission ANT4

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

Phantom section: RF Section

DASY5 Configuration:

- Probe: EF3DV3 - SN4041; ConvF(1, 1, 1) @ 1909.8 MHz; Calibrated: 3/18/2020
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1257; Calibrated: 10/10/2019
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

GSM1900 E-Field measurement/Voice_ch 810/Hearing Aid Compatibility Test (101x101x1):

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

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 15.98 V/m; Power Drift = -0.06 dB

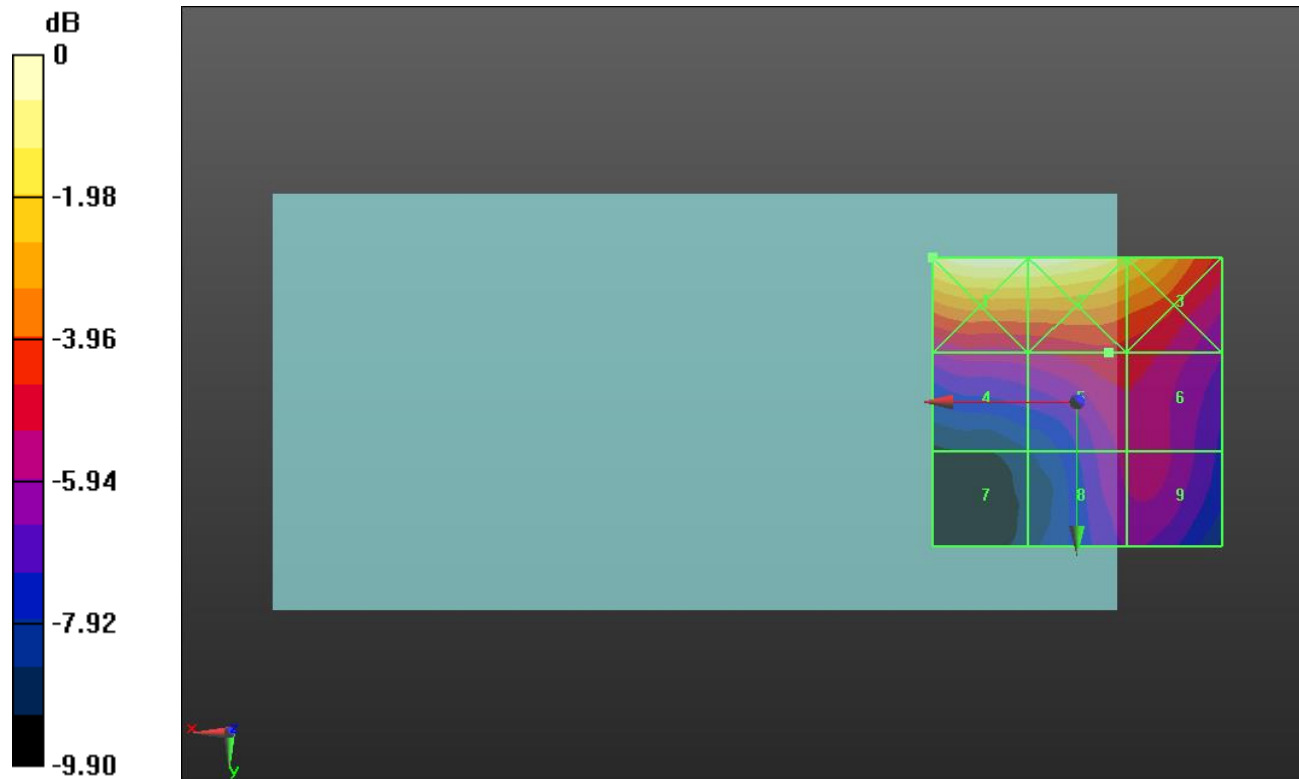
Applied MIF = 3.63 dB

RF audio interference level = 27.04 dBV/m

Emission category: **M4**

MIF scaled E-field

Grid 1 M3 31.81 dBV/m	Grid 2 M3 31.7 dBV/m	Grid 3 M3 30.28 dBV/m
Grid 4 M4 26.41 dBV/m	Grid 5 M4 27.04 dBV/m	Grid 6 M4 26.96 dBV/m
Grid 7 M4 23.24 dBV/m	Grid 8 M4 26.1 dBV/m	Grid 9 M4 26.24 dBV/m



0 dB = 38.97 V/m = 31.81 dBV/m

HAC-RF Emission ANT4

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

Phantom section: RF Section

DASY5 Configuration:

- Probe: EF3DV3 - SN4041; ConvF(1, 1, 1) @ 2506 MHz; Calibrated: 3/18/2020
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1257; Calibrated: 10/10/2019
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

LTE Band 41 E-Field measurement/SC-FDMA 1RB 20 MHz 16QAM Ch. 39750/Hearing Aid Compatibility Test (101x101x1):

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 24.87 V/m; Power Drift = -0.03 dB

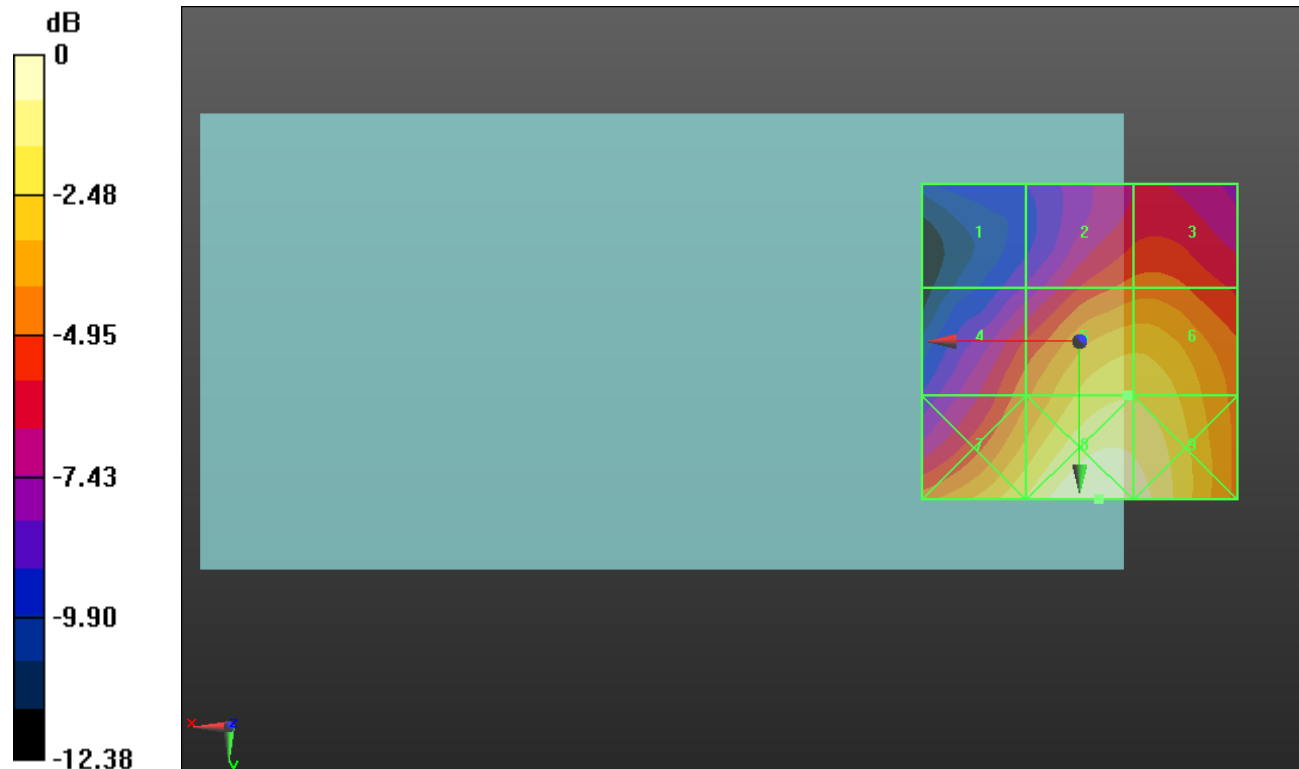
Applied MIF = -1.44 dB

RF audio interference level = 25.66 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 19.32 dBV/m	Grid 2 M4 22.8 dBV/m	Grid 3 M4 22.9 dBV/m
Grid 4 M4 23.05 dBV/m	Grid 5 M4 25.66 dBV/m	Grid 6 M4 25.65 dBV/m
Grid 7 M4 25.83 dBV/m	Grid 8 M4 27.37 dBV/m	Grid 9 M4 27.02 dBV/m



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

HAC-RF Emission ANT4

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

Phantom section: RF Section

DASY5 Configuration:

- Probe: EF3DV3 - SN4041; ConvF(1, 1, 1) @ 2549.5 MHz; Calibrated: 3/18/2020
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1257; Calibrated: 10/10/2019
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

LTE Band 41 E-Field measurement/SC-FDMA 1RB 20 MHz 16QAM 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 = 26.04 V/m; Power Drift = 0.11 dB

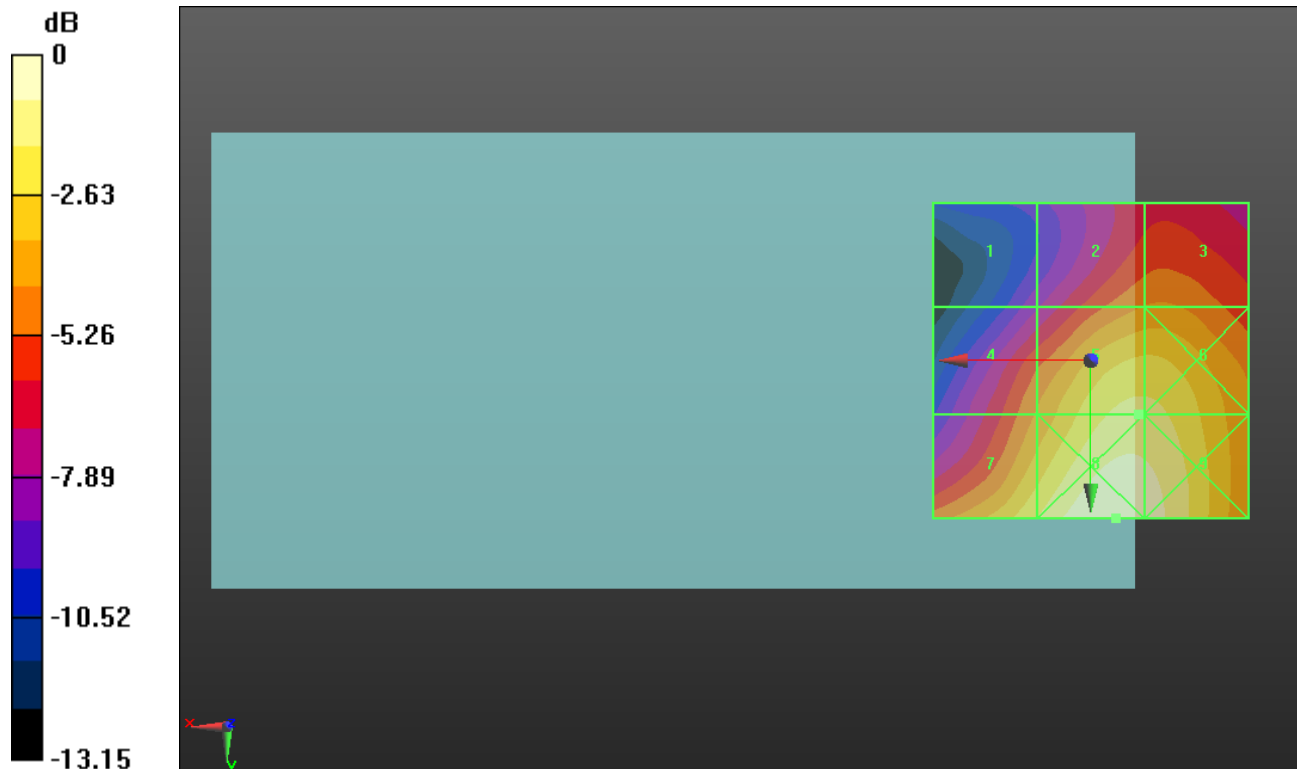
Applied MIF = -1.44 dB

RF audio interference level = 26.03 dBV/m

Emission category: **M4**

MIF scaled E-field

Grid 1 M4 19.51 dBV/m	Grid 2 M4 23.17 dBV/m	Grid 3 M4 23.27 dBV/m
Grid 4 M4 23.24 dBV/m	Grid 5 M4 26.03 dBV/m	Grid 6 M4 26.01 dBV/m
Grid 7 M4 25.78 dBV/m	Grid 8 M4 27.49 dBV/m	Grid 9 M4 27.16 dBV/m



0 dB = 23.69 V/m = 27.49 dBV/m

HAC-RF Emission ANT4

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

Phantom section: RF Section

DASY5 Configuration:

- Probe: EF3DV3 - SN4041; ConvF(1, 1, 1) @ 2593 MHz; Calibrated: 3/18/2020
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1257; Calibrated: 10/10/2019
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

LTE Band 41 E-Field measurement/SC-FDMA 1RB 20 MHz 16QAM Ch. 40620/Hearing Aid Compatibility Test (101x101x1):

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 25.66 V/m; Power Drift = -0.01 dB

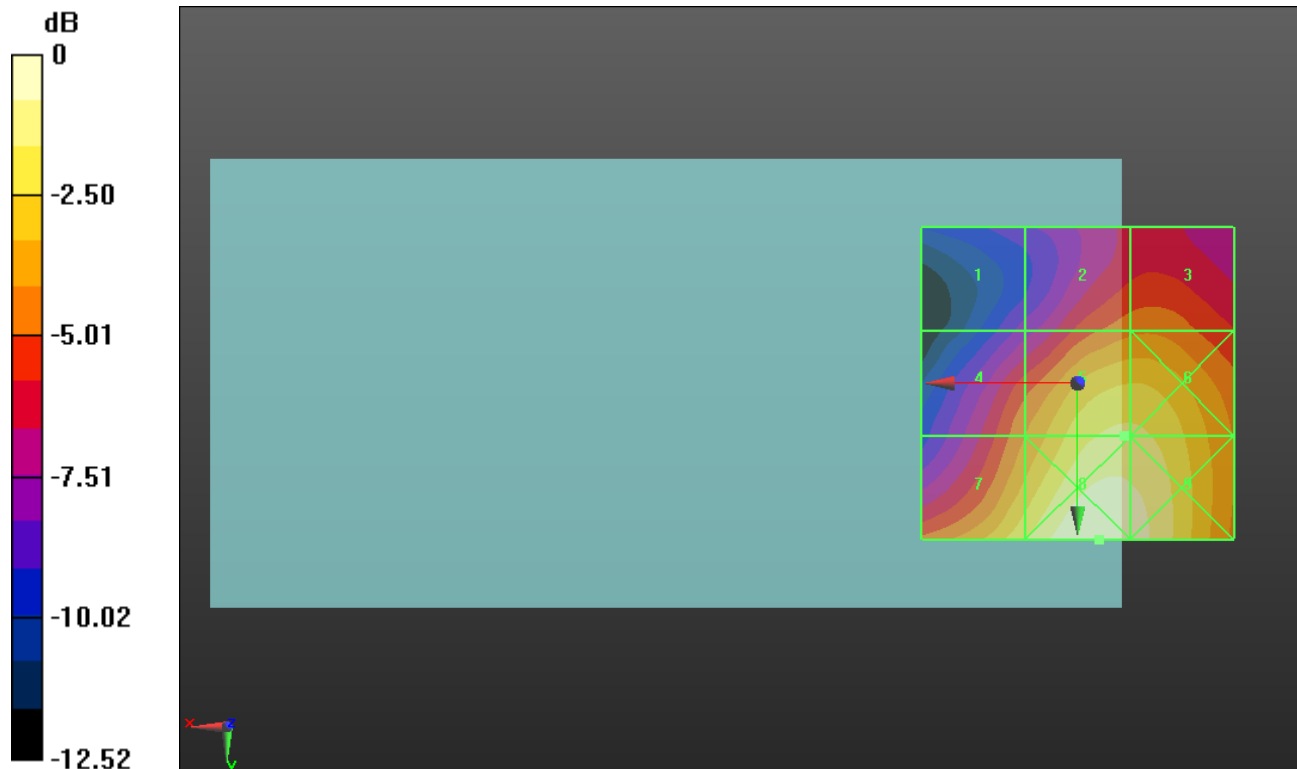
Applied MIF = -1.44 dB

RF audio interference level = 25.91 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 19.47 dBV/m	Grid 2 M4 22.98 dBV/m	Grid 3 M4 23.09 dBV/m
Grid 4 M4 23.18 dBV/m	Grid 5 M4 25.91 dBV/m	Grid 6 M4 25.9 dBV/m
Grid 7 M4 25.6 dBV/m	Grid 8 M4 27.36 dBV/m	Grid 9 M4 27.03 dBV/m



0 dB = 23.34 V/m = 27.36 dBV/m

HAC-RF Emission ANT4

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

Phantom section: RF Section

DASY5 Configuration:

- Probe: EF3DV3 - SN4041; ConvF(1, 1, 1) @ 2636.5 MHz; Calibrated: 3/18/2020
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1257; Calibrated: 10/10/2019
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

LTE Band 41 E-Field measurement/SC-FDMA 1RB 20 MHz 16QAM 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 = 26.44 V/m; Power Drift = 0.01 dB

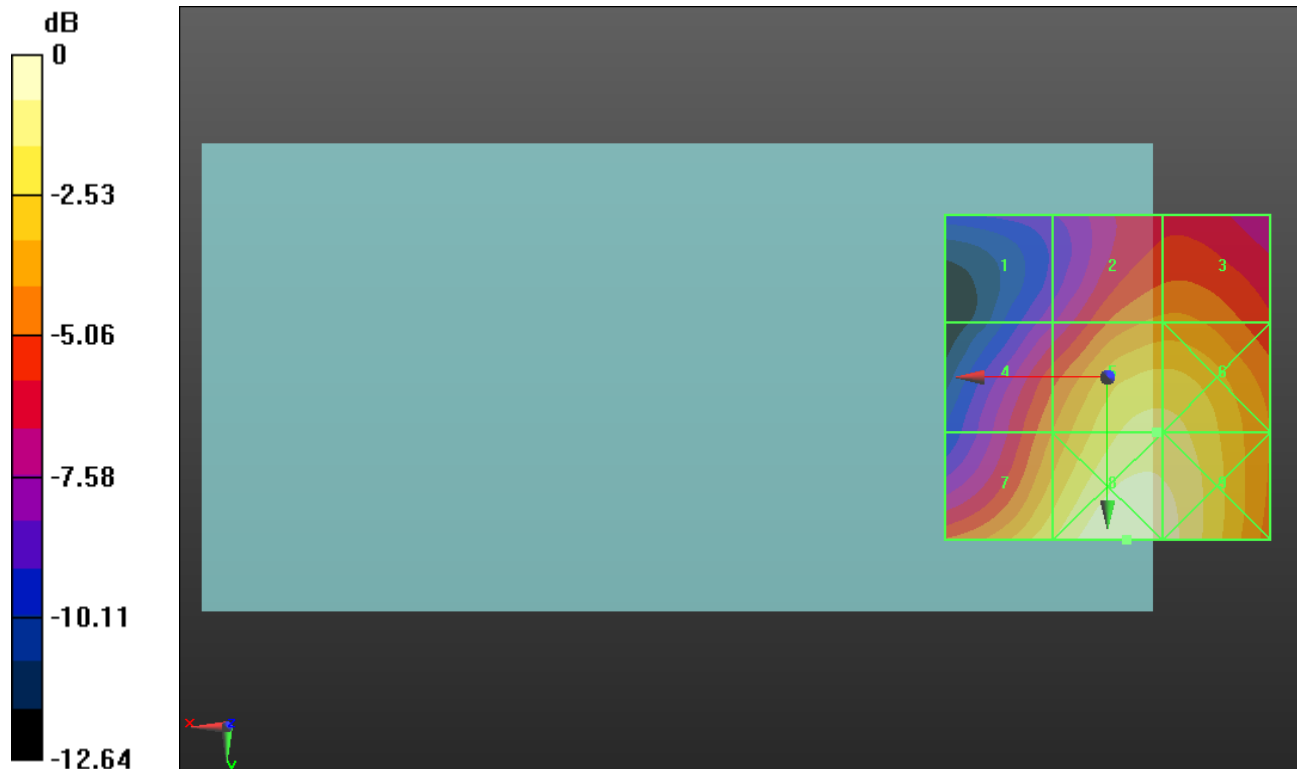
Applied MIF = -1.44 dB

RF audio interference level = 25.99 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 19.64 dBV/m	Grid 2 M4 23.37 dBV/m	Grid 3 M4 23.4 dBV/m
Grid 4 M4 23.14 dBV/m	Grid 5 M4 25.99 dBV/m	Grid 6 M4 25.98 dBV/m
Grid 7 M4 25.64 dBV/m	Grid 8 M4 27.33 dBV/m	Grid 9 M4 26.92 dBV/m



0 dB = 23.27 V/m = 27.34 dBV/m

HAC-RF Emission ANT4

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

Phantom section: RF Section

DASY5 Configuration:

- Probe: EF3DV3 - SN4041; ConvF(1, 1, 1) @ 2680 MHz; Calibrated: 3/18/2020
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1257; Calibrated: 10/10/2019
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

LTE Band 41 E-Field measurement/SC-FDMA 1RB 20 MHz 16QAM 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 = 26.01 V/m; Power Drift = 0.01 dB

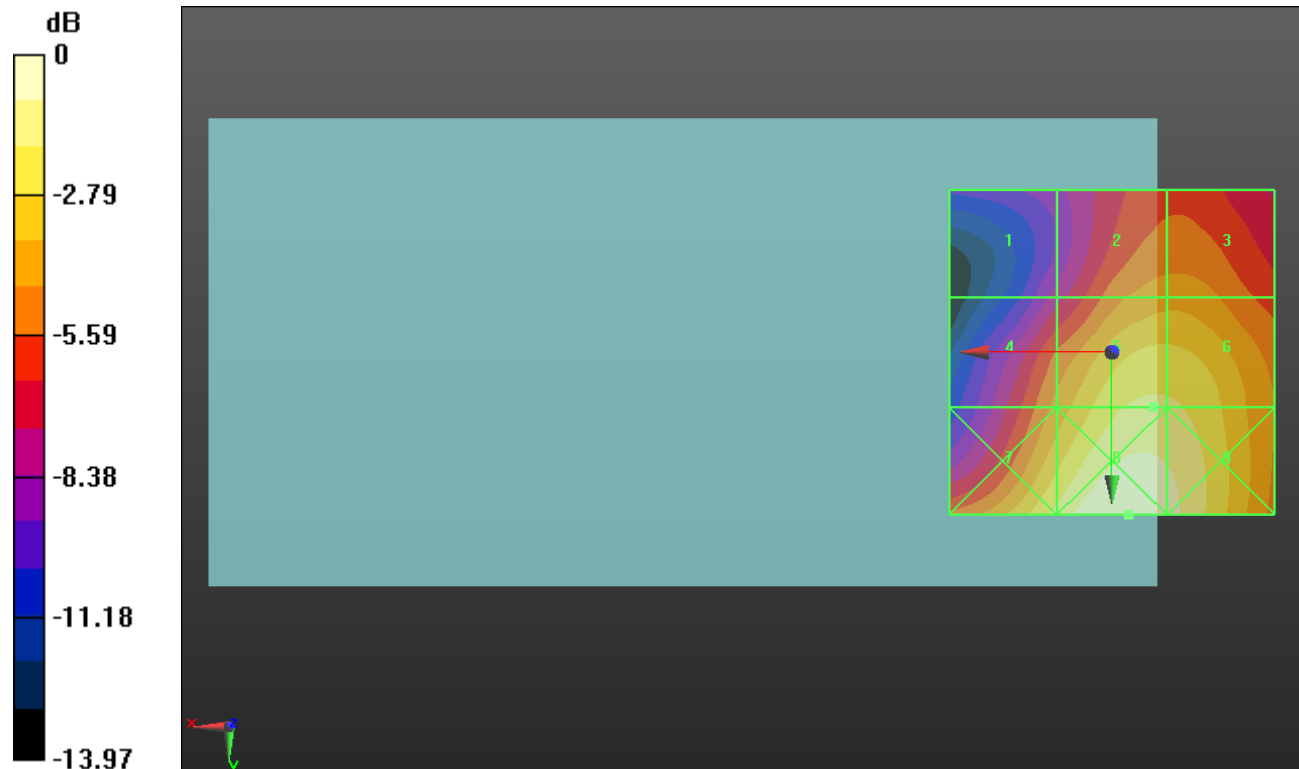
Applied MIF = -1.44 dB

RF audio interference level = 25.86 dBV/m

Emission category: **M4**

MIF scaled E-field

Grid 1 M4 19.6 dBV/m	Grid 2 M4 23.4 dBV/m	Grid 3 M4 23.41 dBV/m
Grid 4 M4 23.21 dBV/m	Grid 5 M4 25.86 dBV/m	Grid 6 M4 25.81 dBV/m
Grid 7 M4 25.97 dBV/m	Grid 8 M4 27.5 dBV/m	Grid 9 M4 26.95 dBV/m



0 dB = 23.72 V/m = 27.50 dBV/m

HAC-RF Emission ANT4

Communication System: UID 10173 - CAG, LTE-TDD (SC-FDMA, 1 RB, 20 MHz, 16-QAM); Frequency: 3560 MHz; Duty Cycle: 1:8.8736

Phantom section: RF Section

DASY5 Configuration:

- Probe: EF3DV3 - SN4041; ConvF(1, 1, 1) @ 3560 MHz; Calibrated: 3/18/2020
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1257; Calibrated: 10/10/2019
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

LTE Band 48 E-Field measurement/SC-FDMA 1RB 20 MHz 16QAM Ch. 55340/Hearing Aid Compatibility Test (101x101x1):

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

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 20.03 V/m; Power Drift = 0.10 dB

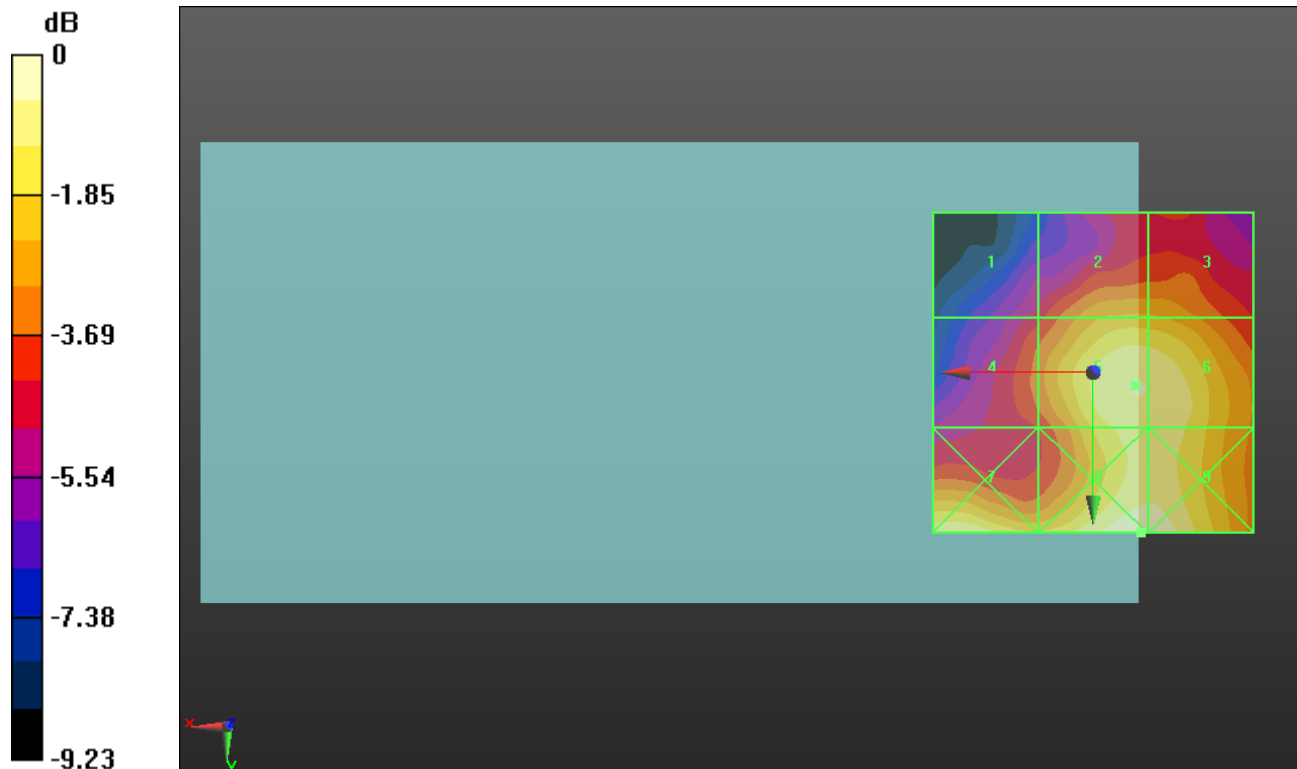
Applied MIF = -1.44 dB

RF audio interference level = 22.27 dBV/m

Emission category: **M4**

MIF scaled E-field

Grid 1 M4 18.38 dBV/m	Grid 2 M4 20.6 dBV/m	Grid 3 M4 20.57 dBV/m
Grid 4 M4 19.54 dBV/m	Grid 5 M4 22.27 dBV/m	Grid 6 M4 22.25 dBV/m
Grid 7 M4 22.36 dBV/m	Grid 8 M4 22.87 dBV/m	Grid 9 M4 22.84 dBV/m



0 dB = 13.91 V/m = 22.87 dBV/m

HAC-RF Emission ANT4

Communication System: UID 10173 - CAG, LTE-TDD (SC-FDMA, 1 RB, 20 MHz, 16-QAM); Frequency: 3603.3 MHz; Duty Cycle: 1:8.8736

Phantom section: RF Section

DASY5 Configuration:

- Probe: EF3DV3 - SN4041; ConvF(1, 1, 1) @ 3603.3 MHz; Calibrated: 3/18/2020
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1257; Calibrated: 10/10/2019
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

LTE Band 48 E-Field measurement/SC-FDMA 1RB 20 MHz 16QAM Ch. 55773/Hearing Aid Compatibility Test (101x101x1): Interpolated grid: dx=0.5000 mm, dy=0.5000 mm

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 18.23 V/m; Power Drift = 0.04 dB

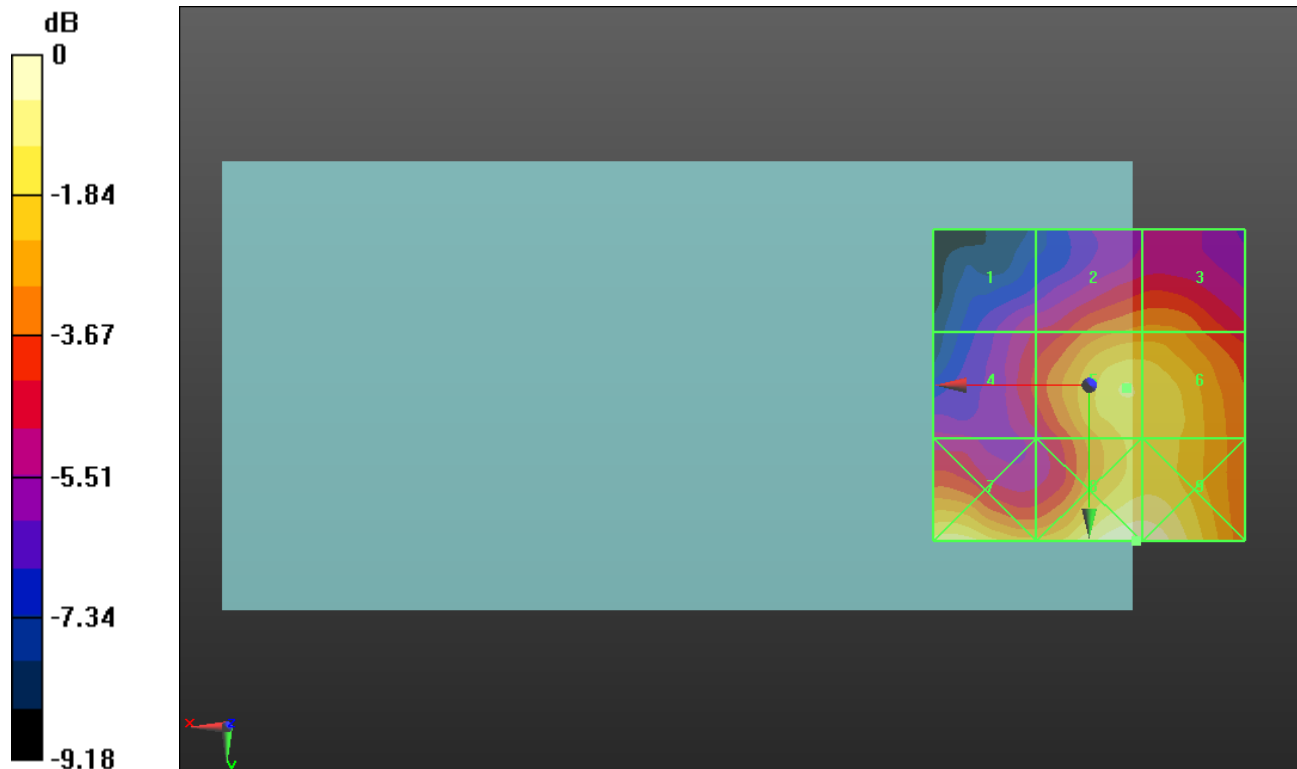
Applied MIF = -1.44 dB

RF audio interference level = 21.68 dBV/m

Emission category: **M4**

MIF scaled E-field

Grid 1 M4 18.01 dBV/m	Grid 2 M4 20.04 dBV/m	Grid 3 M4 20.05 dBV/m
Grid 4 M4 18.77 dBV/m	Grid 5 M4 21.68 dBV/m	Grid 6 M4 21.55 dBV/m
Grid 7 M4 22.07 dBV/m	Grid 8 M4 22.83 dBV/m	Grid 9 M4 22.81 dBV/m



0 dB = 13.86 V/m = 22.84 dBV/m

HAC-RF Emission ANT4

Communication System: UID 10173 - CAG, LTE-TDD (SC-FDMA, 1 RB, 20 MHz, 16-QAM); Frequency: 3646.7 MHz; Duty Cycle: 1:8.8736

Phantom section: RF Section

DASY5 Configuration:

- Probe: EF3DV3 - SN4041; ConvF(1, 1, 1) @ 3646.7 MHz; Calibrated: 3/18/2020
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1257; Calibrated: 10/10/2019
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

LTE Band 48 E-Field measurement/SC-FDMA 1RB 20 MHz 16QAM Ch. 56207/Hearing Aid Compatibility Test (101x101x1): Interpolated grid: dx=0.5000 mm, dy=0.5000 mm

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 15.97 V/m; Power Drift = -0.06 dB

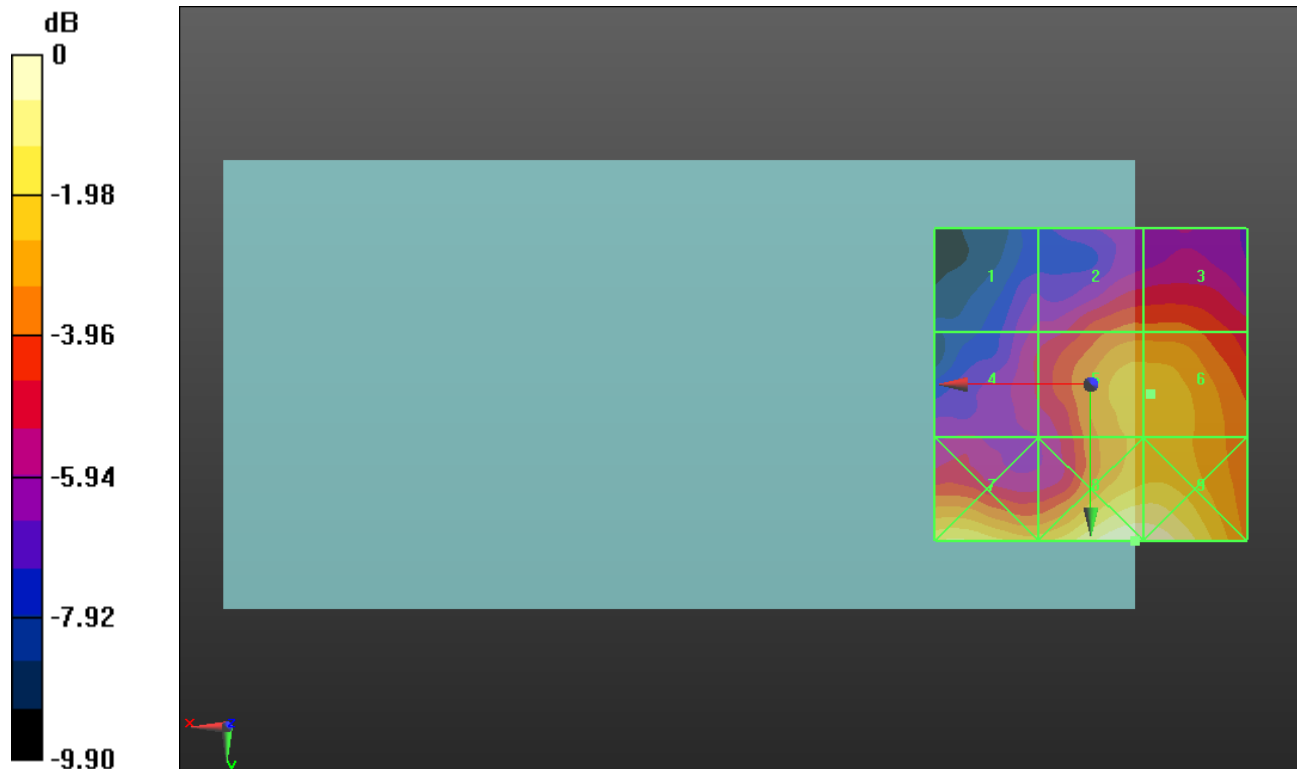
Applied MIF = -1.44 dB

RF audio interference level = 20.78 dBV/m

Emission category: **M4**

MIF scaled E-field

Grid 1 M4 17.16 dBV/m	Grid 2 M4 19.24 dBV/m	Grid 3 M4 19.24 dBV/m
Grid 4 M4 17.74 dBV/m	Grid 5 M4 20.76 dBV/m	Grid 6 M4 20.78 dBV/m
Grid 7 M4 21.67 dBV/m	Grid 8 M4 22.86 dBV/m	Grid 9 M4 22.82 dBV/m



0 dB = 13.90 V/m = 22.86 dBV/m

HAC-RF Emission ANT4

Communication System: UID 10173 - CAG, LTE-TDD (SC-FDMA, 1 RB, 20 MHz, 16-QAM); Frequency: 3690 MHz; Duty Cycle: 1:8.8736

Phantom section: RF Section

DASY5 Configuration:

- Probe: EF3DV3 - SN4041; ConvF(1, 1, 1) @ 3690 MHz; Calibrated: 3/18/2020
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1257; Calibrated: 10/10/2019
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

LTE Band 48 E-Field measurement/SC-FDMA 1RB 20 MHz 16QAM Ch. 56640/Hearing Aid Compatibility Test (101x101x1): Interpolated grid: dx=0.5000 mm, dy=0.5000 mm

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 13.02 V/m; Power Drift = -0.11 dB

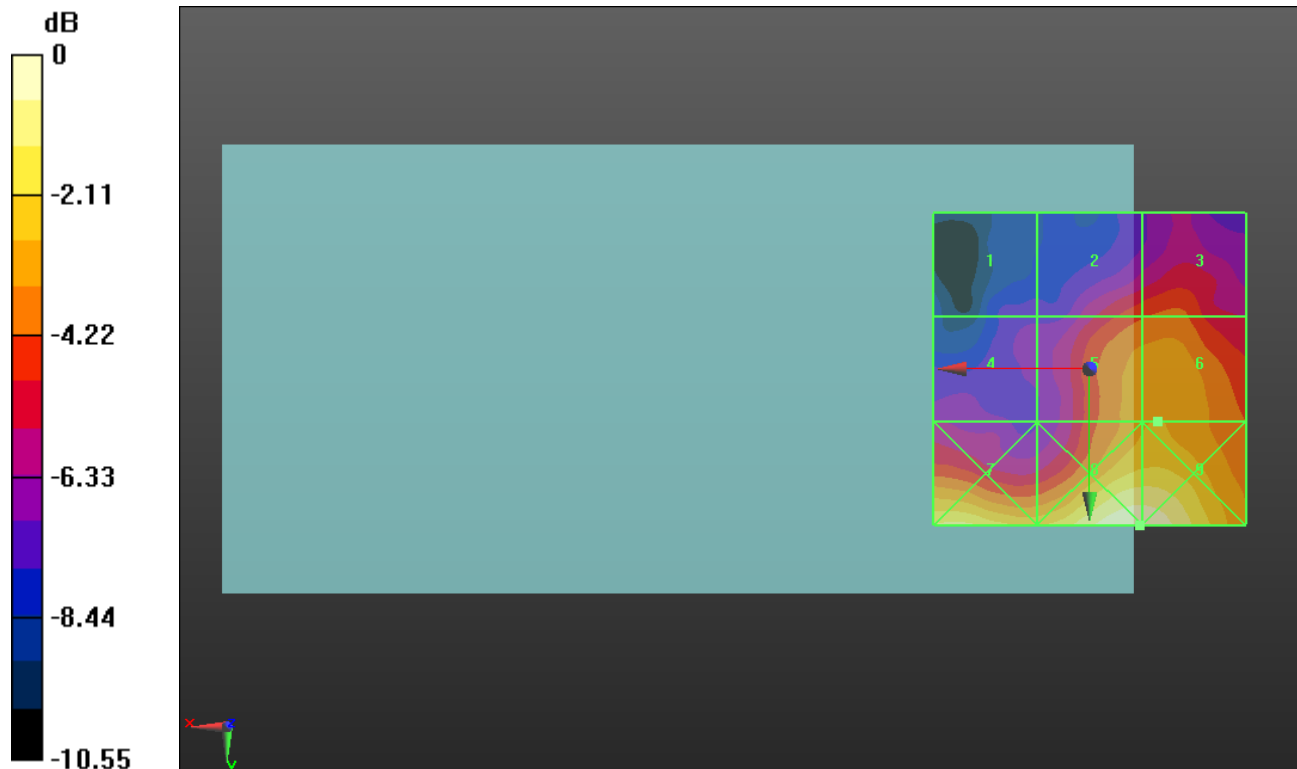
Applied MIF = -1.44 dB

RF audio interference level = 20.17 dBV/m

Emission category: **M4**

MIF scaled E-field

Grid 1 M4 15.7 dBV/m	Grid 2 M4 18.64 dBV/m	Grid 3 M4 18.95 dBV/m
Grid 4 M4 16.68 dBV/m	Grid 5 M4 20.03 dBV/m	Grid 6 M4 20.17 dBV/m
Grid 7 M4 21.76 dBV/m	Grid 8 M4 22.94 dBV/m	Grid 9 M4 22.93 dBV/m



0 dB = 14.03 V/m = 22.94 dBV/m

HAC-RF Emission ANT4 Wi-Fi 2.4GHz

Communication System: UID 10061 - CAB, IEEE 802.11b WiFi 2.4 GHz (DSSS, 11 Mbps); Frequency: 2417 MHz; Duty Cycle: 1:2.29034

Phantom section: RF Section

DASY5 Configuration:

- Probe: EF3DV3 - SN4041; ConvF(1, 1, 1) @ 2417 MHz; Calibrated: 3/18/2020
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1257; Calibrated: 10/10/2019
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

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 = 27.86 V/m; Power Drift = -0.00 dB

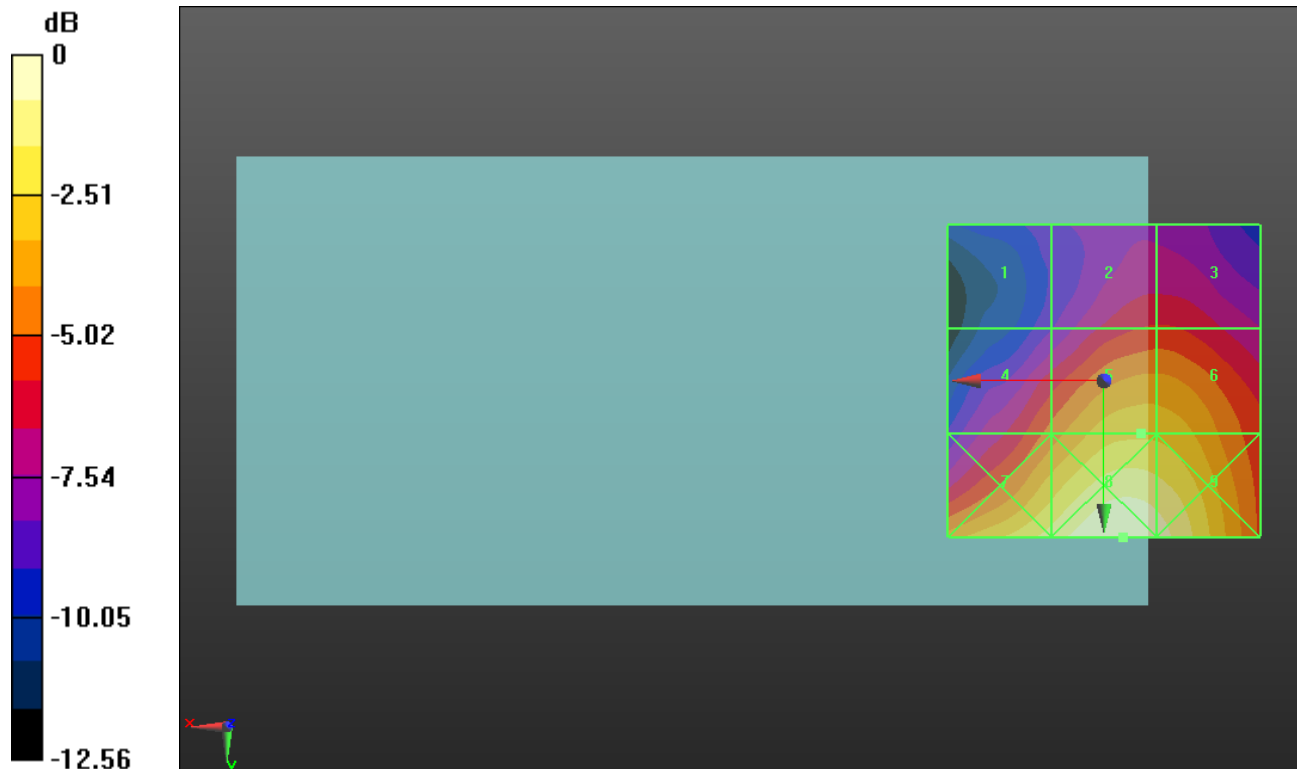
Applied MIF = -2.02 dB

RF audio interference level = 26.07 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 20.27 dBV/m	Grid 2 M4 22.97 dBV/m	Grid 3 M4 22.97 dBV/m
Grid 4 M4 24.06 dBV/m	Grid 5 M4 26.07 dBV/m	Grid 6 M4 26.02 dBV/m
Grid 7 M4 27.4 dBV/m	Grid 8 M4 28.69 dBV/m	Grid 9 M4 28.28 dBV/m



0 dB = 27.21 V/m = 28.69 dBV/m

HAC-RF Emission ANT4 Wi-Fi 2.4GHz

Communication System: UID 10061 - CAB, IEEE 802.11b WiFi 2.4 GHz (DSSS, 11 Mbps); Frequency: 2437 MHz; Duty Cycle: 1:2.29034

Phantom section: RF Section

DASY5 Configuration:

- Probe: EF3DV3 - SN4041; ConvF(1, 1, 1) @ 2437 MHz; Calibrated: 3/18/2020
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1257; Calibrated: 10/10/2019
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

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 = 29.46 V/m; Power Drift = -0.01 dB

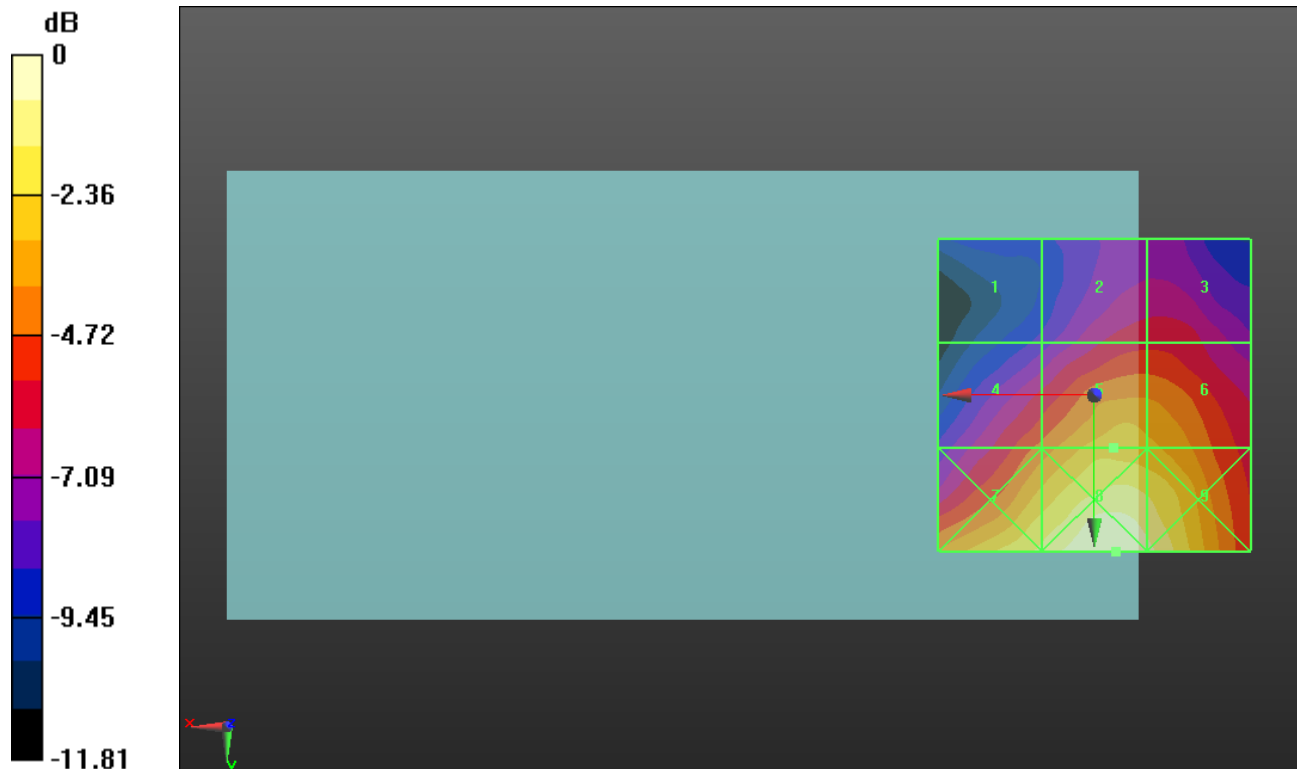
Applied MIF = -2.02 dB

RF audio interference level = 26.35 dBV/m

Emission category: **M4**

MIF scaled E-field

Grid 1 M4 20.73 dBV/m	Grid 2 M4 23.27 dBV/m	Grid 3 M4 23.27 dBV/m
Grid 4 M4 24.6 dBV/m	Grid 5 M4 26.35 dBV/m	Grid 6 M4 26.12 dBV/m
Grid 7 M4 27.63 dBV/m	Grid 8 M4 29 dBV/m	Grid 9 M4 28.47 dBV/m



0 dB = 28.19 V/m = 29.00 dBV/m

HAC-RF Emission ANT4 Wi-Fi 2.4GHz

Communication System: UID 10061 - CAB, IEEE 802.11b WiFi 2.4 GHz (DSSS, 11 Mbps); Frequency: 2462 MHz; Duty Cycle: 1:2.29034

Phantom section: RF Section

DASY5 Configuration:

- Probe: EF3DV3 - SN4041; ConvF(1, 1, 1) @ 2462 MHz; Calibrated: 3/18/2020
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1257; Calibrated: 10/10/2019
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

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 = 27.75 V/m; Power Drift = -0.03 dB

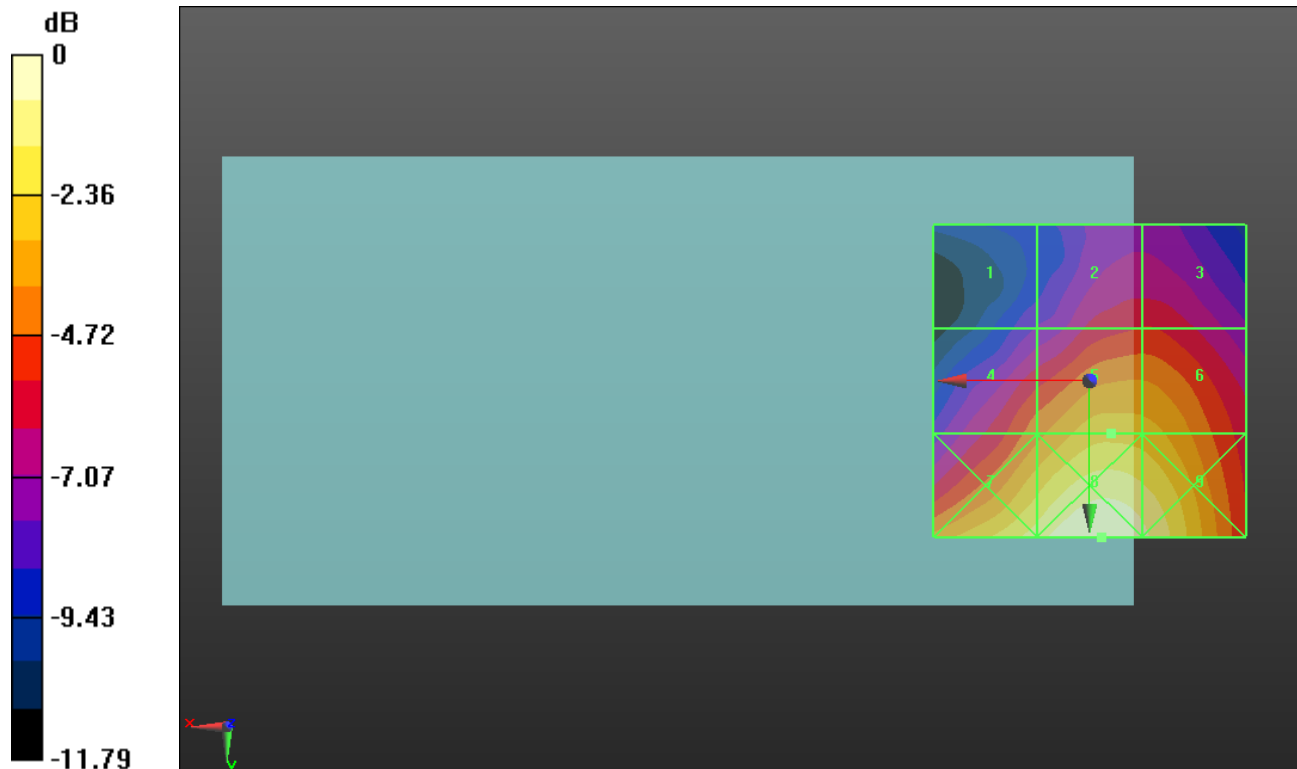
Applied MIF = -2.02 dB

RF audio interference level = 25.83 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 20.64 dBV/m	Grid 2 M4 22.96 dBV/m	Grid 3 M4 22.97 dBV/m
Grid 4 M4 24.22 dBV/m	Grid 5 M4 25.83 dBV/m	Grid 6 M4 25.68 dBV/m
Grid 7 M4 27.26 dBV/m	Grid 8 M4 28.4 dBV/m	Grid 9 M4 27.82 dBV/m



0 dB = 26.31 V/m = 28.40 dBV/m

HAC-RF Emission ANT4 Wi-Fi 2.4GHz

Communication System: UID 10077 - CAB, IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 54 Mbps); Frequency: 2422 MHz; Duty Cycle: 1:12.5777

Phantom section: RF Section

DASY5 Configuration:

- Probe: EF3DV3 - SN4041; ConvF(1, 1, 1) @ 2422 MHz; Calibrated: 3/18/2020
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1257; Calibrated: 10/10/2019
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

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 = 26.31 V/m; Power Drift = 0.01 dB

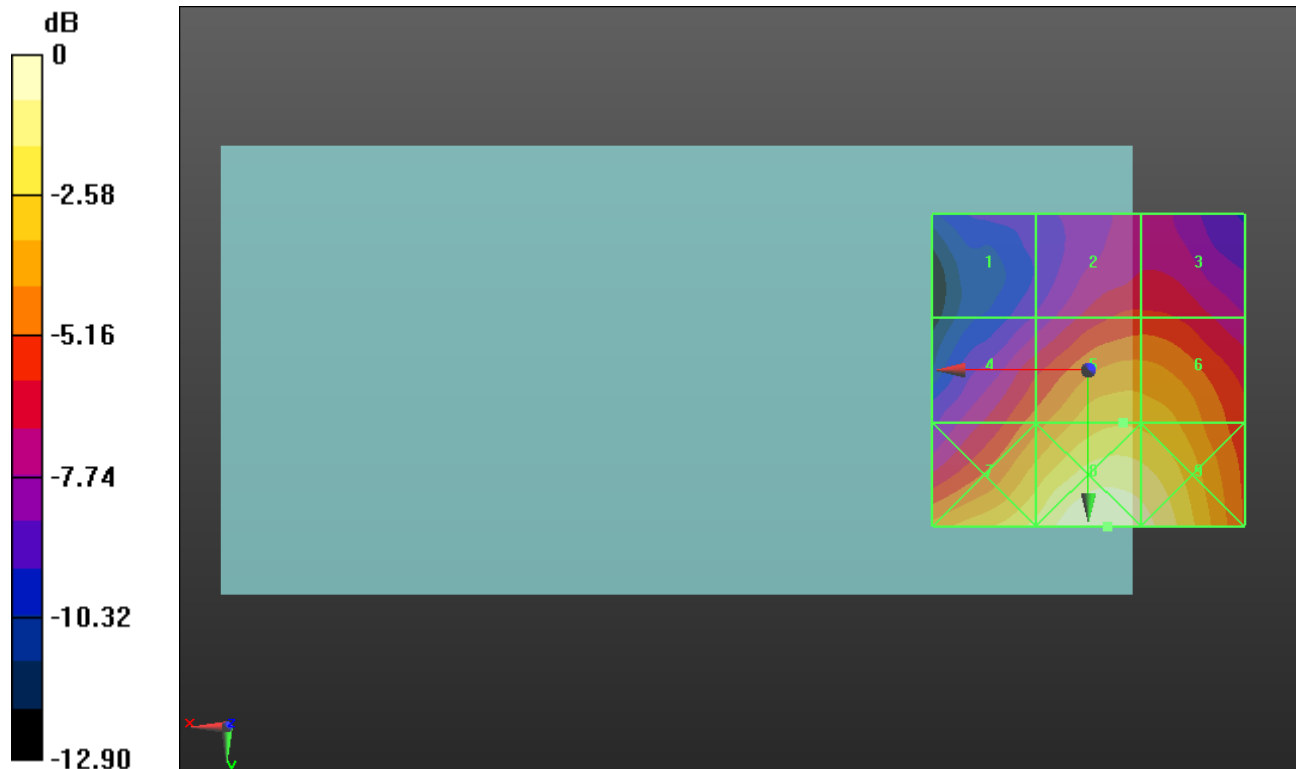
Applied MIF = 0.12 dB

RF audio interference level = 27.74 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 21.97 dBV/m	Grid 2 M4 24.62 dBV/m	Grid 3 M4 24.62 dBV/m
Grid 4 M4 25.71 dBV/m	Grid 5 M4 27.74 dBV/m	Grid 6 M4 27.65 dBV/m
Grid 7 M4 28.93 dBV/m	Grid 8 M3 30.38 dBV/m	Grid 9 M4 29.92 dBV/m



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

HAC-RF Emission ANT4 Wi-Fi 2.4GHz

Communication System: UID 10077 - CAB, IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 54 Mbps); Frequency: 2437 MHz; Duty Cycle: 1:12.5777

Phantom section: RF Section

DASY5 Configuration:

- Probe: EF3DV3 - SN4041; ConvF(1, 1, 1) @ 2437 MHz; Calibrated: 3/18/2020
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1257; Calibrated: 10/10/2019
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

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 = 29.33 V/m; Power Drift = -0.02 dB

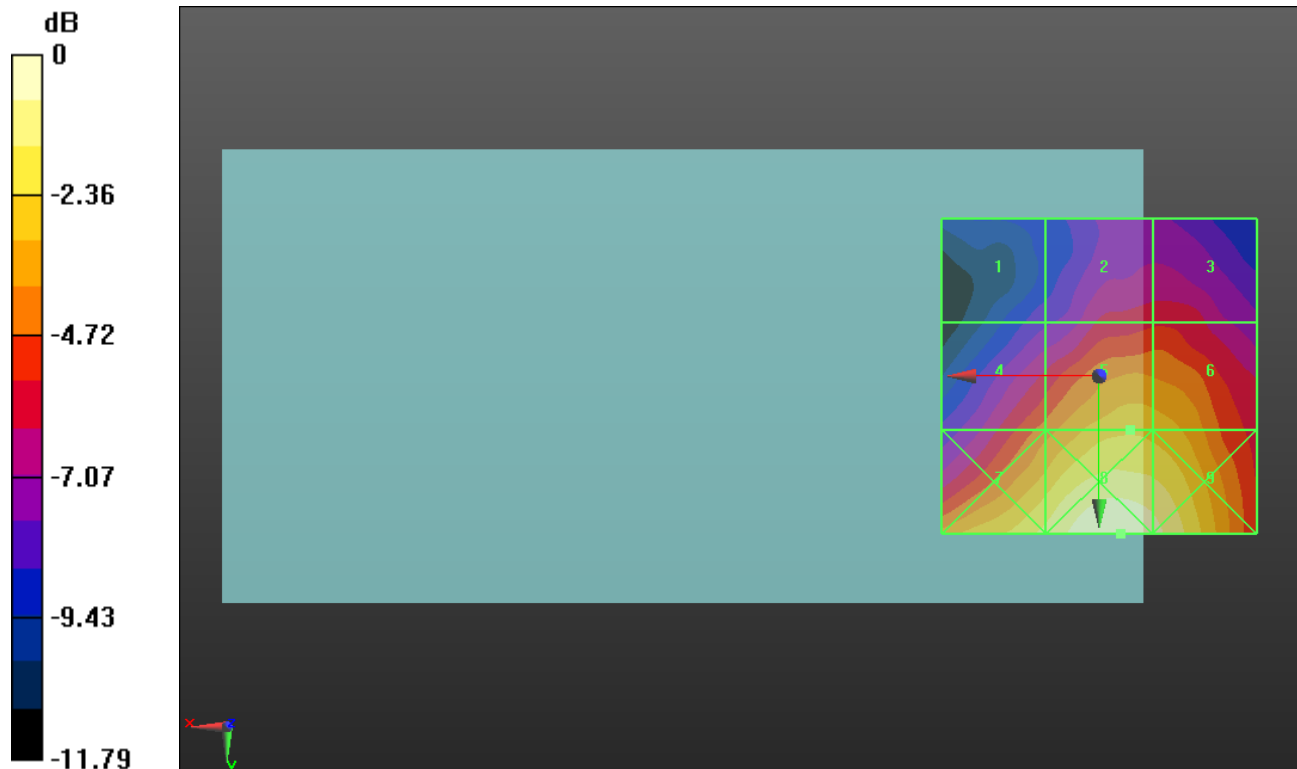
Applied MIF = 0.12 dB

RF audio interference level = 28.62 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 23.14 dBV/m	Grid 2 M4 25.47 dBV/m	Grid 3 M4 25.5 dBV/m
Grid 4 M4 26.8 dBV/m	Grid 5 M4 28.62 dBV/m	Grid 6 M4 28.47 dBV/m
Grid 7 M4 29.78 dBV/m	Grid 8 M3 31.1 dBV/m	Grid 9 M3 30.65 dBV/m



0 dB = 35.90 V/m = 31.10 dBV/m

HAC-RF Emission ANT4 Wi-Fi 2.4GHz

Communication System: UID 10077 - CAB, IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 54 Mbps); Frequency: 2452 MHz; Duty Cycle: 1:12.5777

Phantom section: RF Section

DASY5 Configuration:

- Probe: EF3DV3 - SN4041; ConvF(1, 1, 1) @ 2452 MHz; Calibrated: 3/18/2020
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1257; Calibrated: 10/10/2019
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

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 = 31.71 V/m; Power Drift = 0.04 dB

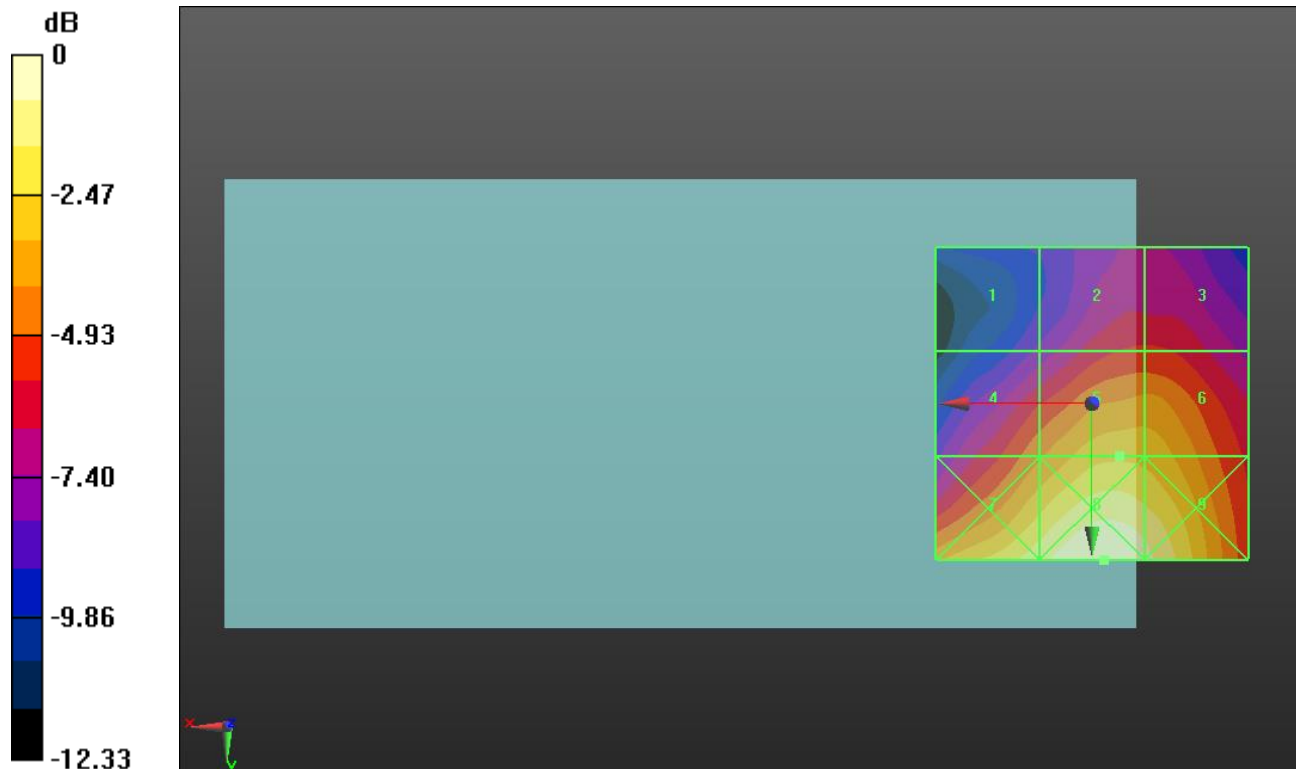
Applied MIF = 0.12 dB

RF audio interference level = 29.35 dBV/m

Emission category: **M4**

MIF scaled E-field

Grid 1 M4 23.96 dBV/m	Grid 2 M4 26.36 dBV/m	Grid 3 M4 26.36 dBV/m
Grid 4 M4 27.7 dBV/m	Grid 5 M4 29.35 dBV/m	Grid 6 M4 29.24 dBV/m
Grid 7 M3 30.85 dBV/m	Grid 8 M3 31.93 dBV/m	Grid 9 M3 31.39 dBV/m



0 dB = 39.51 V/m = 31.93 dBV/m

HAC-RF Emission ANT5 Wi-Fi 5GHz

Communication System: UID 10062 - CAC, IEEE 802.11a/h WiFi 5 GHz (OFDM, 6 Mbps); Frequency: 5200 MHz; Duty Cycle: 1:7.37564

Phantom section: RF Section

DASY5 Configuration:

- Probe: EF3DV3 - SN4041; ConvF(1, 1, 1) @ 5200 MHz; Calibrated: 3/18/2020
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1257; Calibrated: 10/10/2019
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

802.11a E-Field measurement/IEEE 802.11a_OFDM 6 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 = 7.778 V/m; Power Drift = 0.22 dB

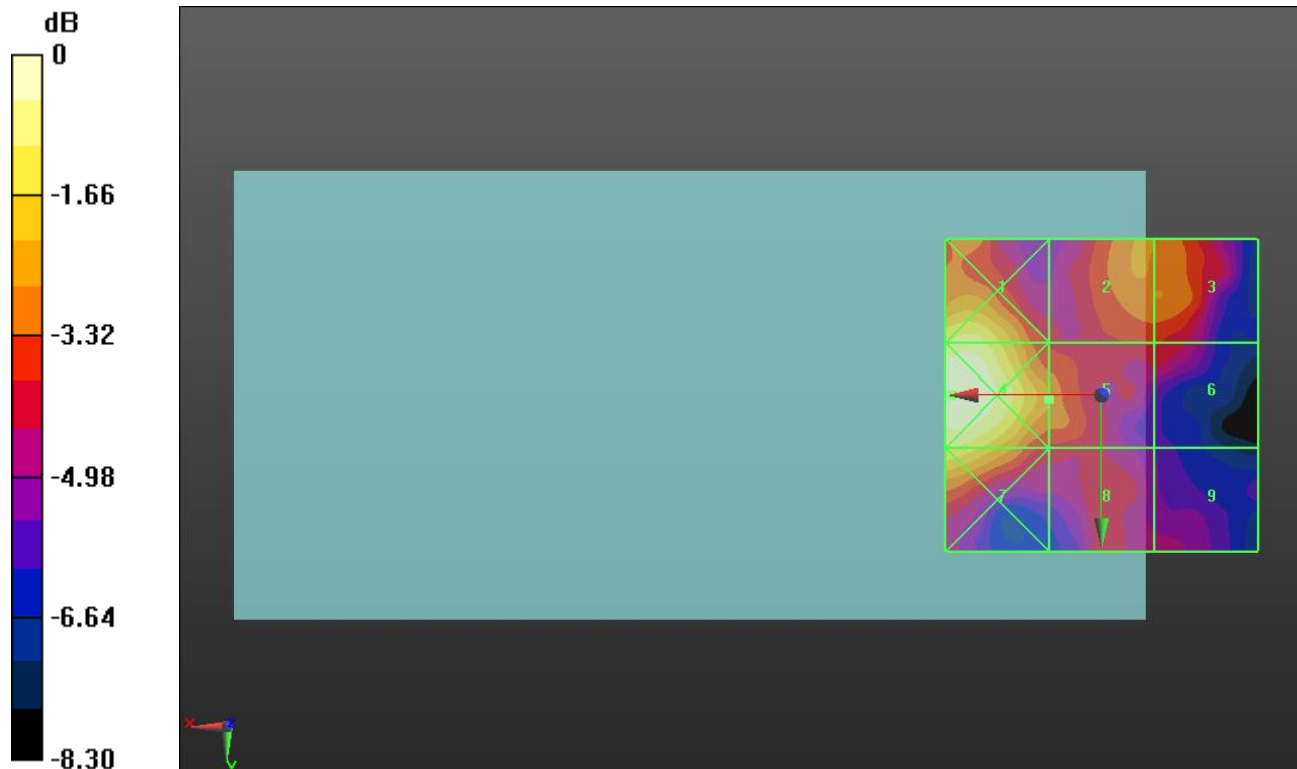
Applied MIF = -5.82 dB

RF audio interference level = 11.95 dBV/m

Emission category: **M4**

MIF scaled E-field

Grid 1 M4 13.82 dBV/m	Grid 2 M4 11.94 dBV/m	Grid 3 M4 11.89 dBV/m
Grid 4 M4 14.63 dBV/m	Grid 5 M4 11.95 dBV/m	Grid 6 M4 10.84 dBV/m
Grid 7 M4 13.56 dBV/m	Grid 8 M4 10.76 dBV/m	Grid 9 M4 10.25 dBV/m



0 dB = 5.388 V/m = 14.63 dBV/m

HAC-RF Emission ANT5 Wi-Fi 5GHz

Communication System: UID 10062 - CAC, IEEE 802.11a/h WiFi 5 GHz (OFDM, 6 Mbps); Frequency: 5220 MHz; Duty Cycle: 1:7.37564

Phantom section: RF Section

DASY5 Configuration:

- Probe: EF3DV3 - SN4041; ConvF(1, 1, 1) @ 5220 MHz; Calibrated: 3/18/2020
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1257; Calibrated: 10/10/2019
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

802.11a E-Field measurement/IEEE 802.11a_OFDM 6 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 = 8.189 V/m; Power Drift = -0.18 dB

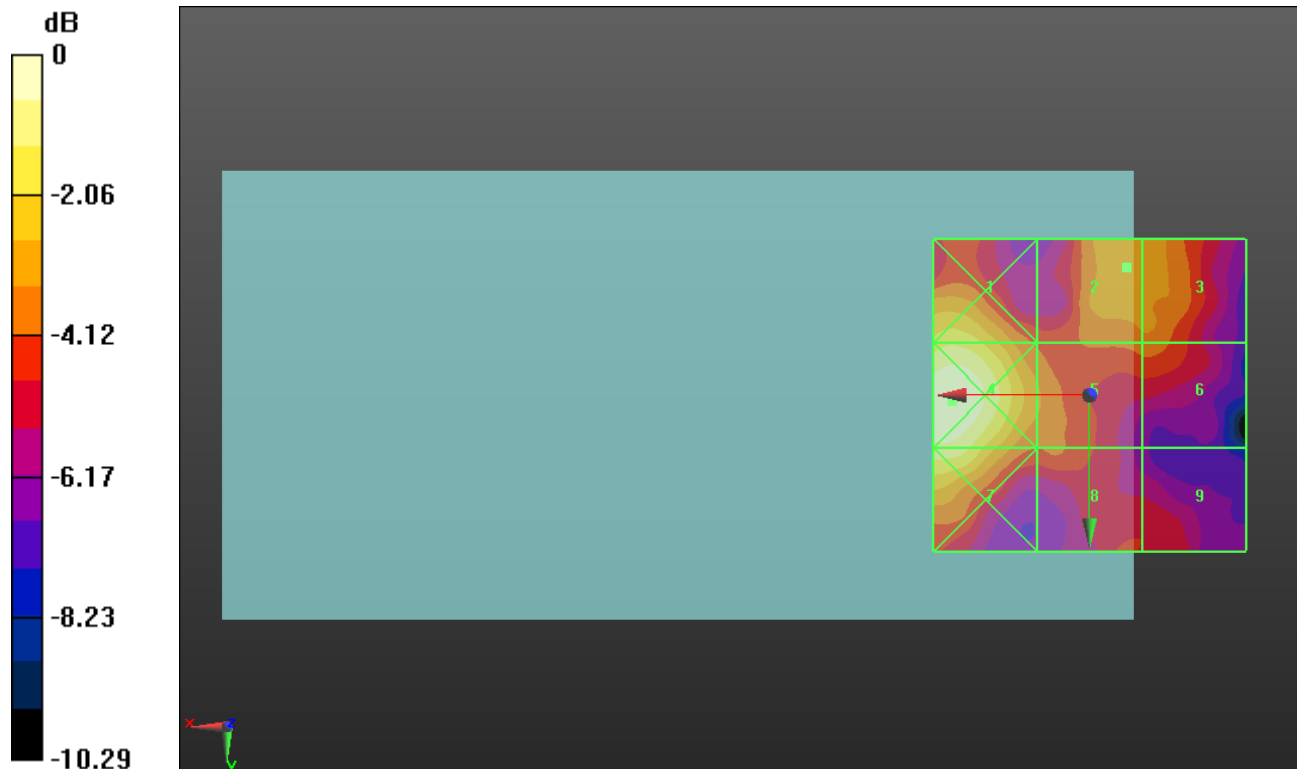
Applied MIF = -5.82 dB

RF audio interference level = 12.49 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 13.86 dBV/m	Grid 2 M4 12.49 dBV/m	Grid 3 M4 12.43 dBV/m
Grid 4 M4 15.36 dBV/m	Grid 5 M4 12.12 dBV/m	Grid 6 M4 11.69 dBV/m
Grid 7 M4 14.47 dBV/m	Grid 8 M4 11.38 dBV/m	Grid 9 M4 10.56 dBV/m



0 dB = 5.858 V/m = 15.35 dBV/m

HAC-RF Emission ANT5 Wi-Fi 5GHz

Communication System: UID 10062 - CAC, IEEE 802.11a/h WiFi 5 GHz (OFDM, 6 Mbps); Frequency: 5240 MHz; Duty Cycle: 1:7.37564

Phantom section: RF Section

DASY5 Configuration:

- Probe: EF3DV3 - SN4041; ConvF(1, 1, 1) @ 5240 MHz; Calibrated: 3/18/2020
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1257; Calibrated: 10/10/2019
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

802.11a E-Field measurement/IEEE 802.11a_OFDM 6 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 = 8.791 V/m; Power Drift = -0.05 dB

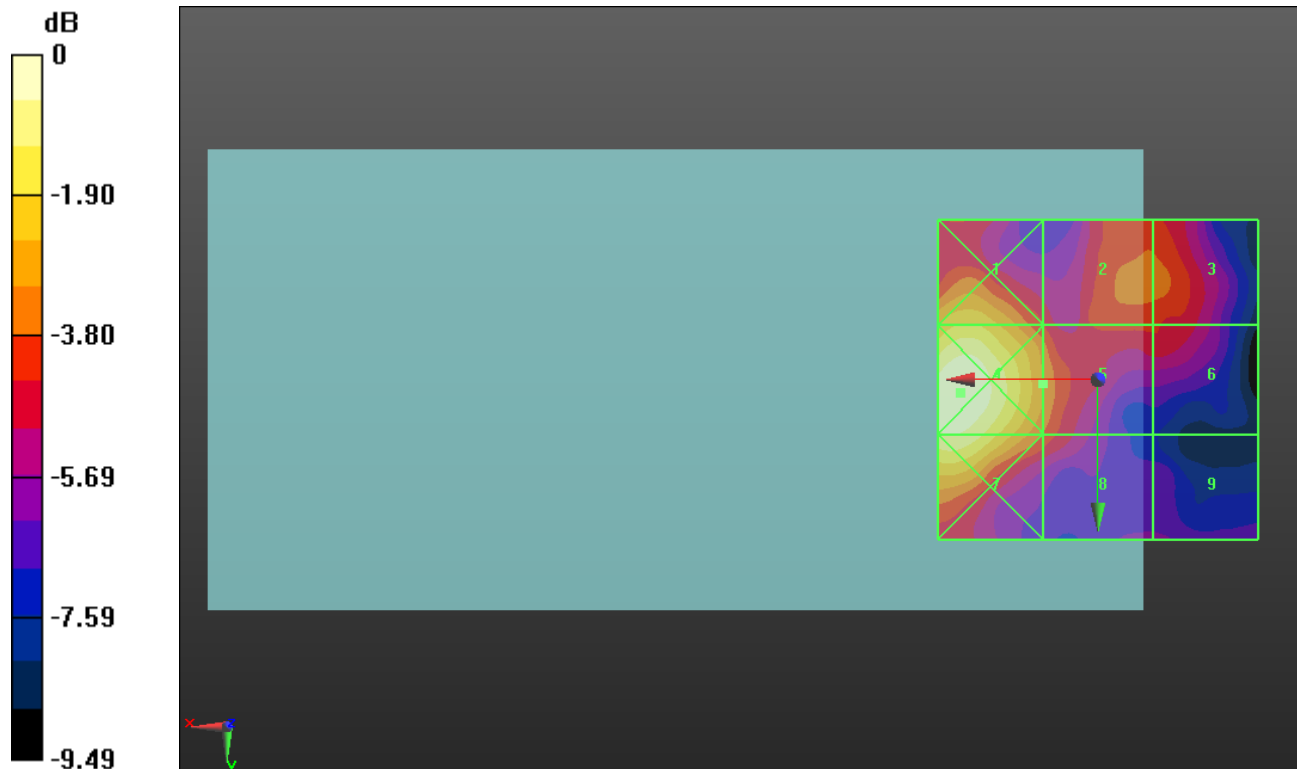
Applied MIF = -5.82 dB

RF audio interference level = 12.73 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 14.05 dBV/m	Grid 2 M4 12.41 dBV/m	Grid 3 M4 12.4 dBV/m
Grid 4 M4 15.86 dBV/m	Grid 5 M4 12.73 dBV/m	Grid 6 M4 11.54 dBV/m
Grid 7 M4 15.25 dBV/m	Grid 8 M4 12.02 dBV/m	Grid 9 M4 9.75 dBV/m



0 dB = 6.209 V/m = 15.86 dBV/m

HAC-RF Emission ANT5 Wi-Fi 5GHz

Communication System: UID 10062 - CAC, IEEE 802.11a/h WiFi 5 GHz (OFDM, 6 Mbps); Frequency: 5260 MHz; Duty Cycle: 1:7.37564

Phantom section: RF Section

DASY5 Configuration:

- Probe: EF3DV3 - SN4041; ConvF(1, 1, 1) @ 5260 MHz; Calibrated: 3/18/2020
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1257; Calibrated: 10/10/2019
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

802.11a E-Field measurement/IEEE 802.11a_OFDM 6 Mbps Ch. 52/Hearing Aid Compatibility Test (101x101x1):

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 8.663 V/m; Power Drift = -0.05 dB

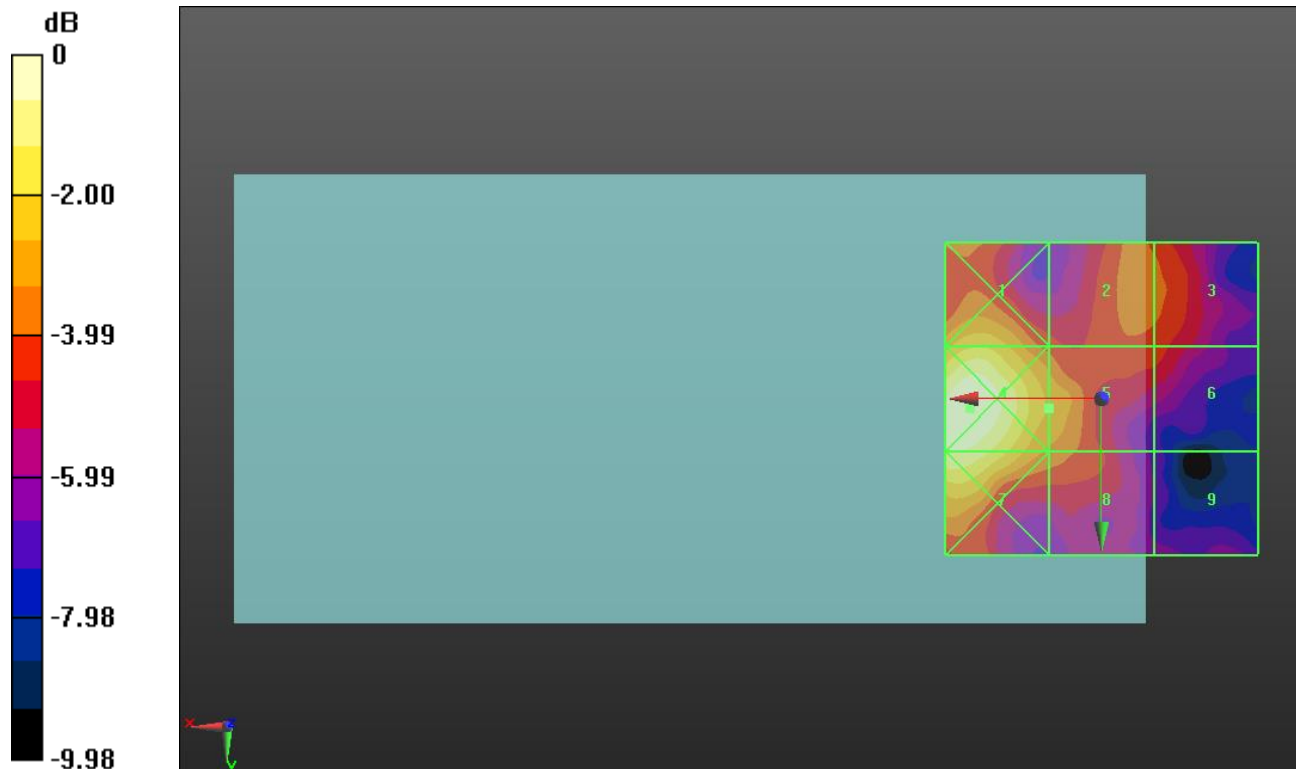
Applied MIF = -5.82 dB

RF audio interference level = 13.03 dBV/m

Emission category: **M4**

MIF scaled E-field

Grid 1 M4 13.7 dBV/m	Grid 2 M4 12.12 dBV/m	Grid 3 M4 12.01 dBV/m
Grid 4 M4 15.75 dBV/m	Grid 5 M4 13.03 dBV/m	Grid 6 M4 11.44 dBV/m
Grid 7 M4 15.08 dBV/m	Grid 8 M4 12.3 dBV/m	Grid 9 M4 9.58 dBV/m



0 dB = 6.130 V/m = 15.75 dBV/m

HAC-RF Emission ANT5 Wi-Fi 5GHz

Communication System: UID 10062 - CAC, IEEE 802.11a/h WiFi 5 GHz (OFDM, 6 Mbps); Frequency: 5280 MHz; Duty Cycle: 1:7.37564

Phantom section: RF Section

DASY5 Configuration:

- Probe: EF3DV3 - SN4041; ConvF(1, 1, 1) @ 5280 MHz; Calibrated: 3/18/2020
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1257; Calibrated: 10/10/2019
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

802.11a E-Field measurement/IEEE 802.11a_OFDM 6 Mbps Ch. 56/Hearing Aid Compatibility Test (101x101x1):

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

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 9.141 V/m; Power Drift = 0.00 dB

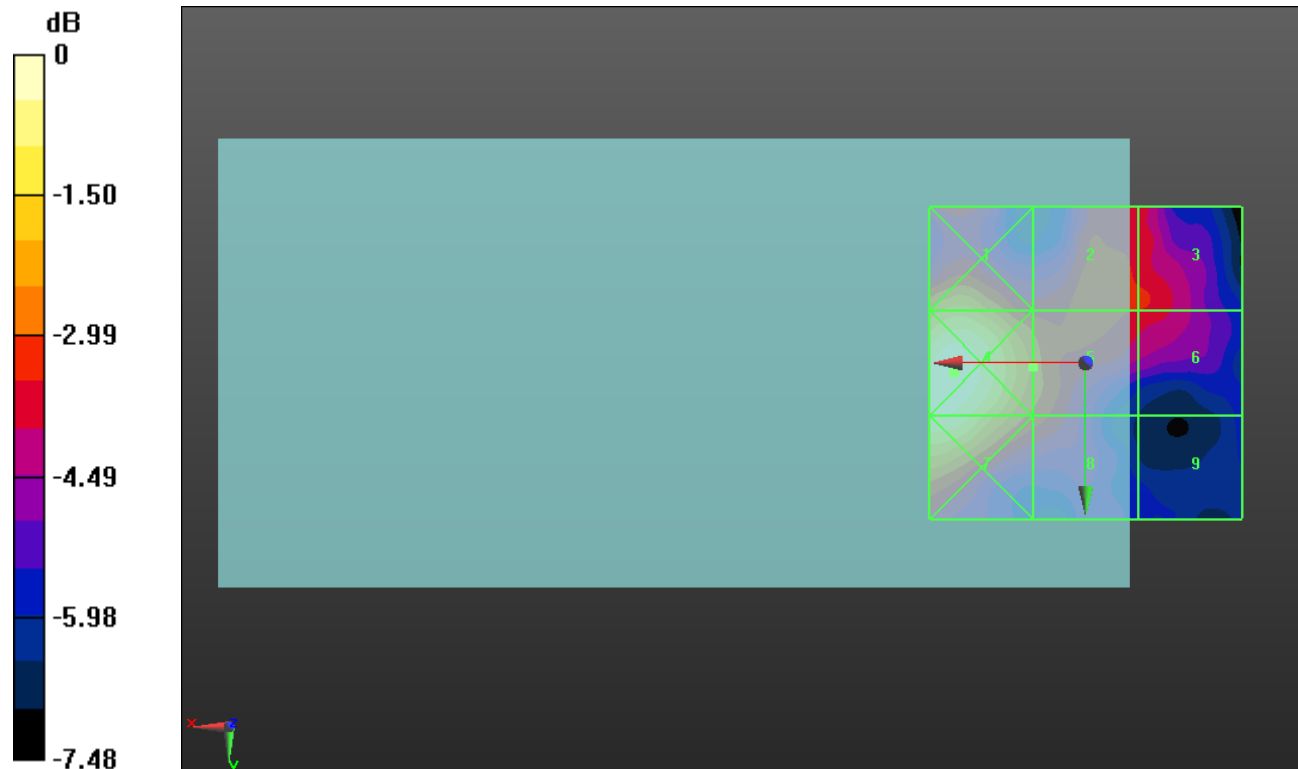
Applied MIF = -5.82 dB

RF audio interference level = 13.71 dBV/m

Emission category: **M4**

MIF scaled E-field

Grid 1 M4 14.54 dBV/m	Grid 2 M4 13.13 dBV/m	Grid 3 M4 12.95 dBV/m
Grid 4 M4 16.31 dBV/m	Grid 5 M4 13.71 dBV/m	Grid 6 M4 12.83 dBV/m
Grid 7 M4 15.81 dBV/m	Grid 8 M4 13.18 dBV/m	Grid 9 M4 10.56 dBV/m



0 dB = 6.541 V/m = 16.31 dBV/m

HAC-RF Emission ANT5 Wi-Fi 5GHz

Communication System: UID 10062 - CAC, IEEE 802.11a/h WiFi 5 GHz (OFDM, 6 Mbps); Frequency: 5300 MHz; Duty Cycle: 1:7.37564

Phantom section: RF Section

DASY5 Configuration:

- Probe: EF3DV3 - SN4041; ConvF(1, 1, 1) @ 5300 MHz; Calibrated: 3/18/2020
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1257; Calibrated: 10/10/2019
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

802.11a E-Field measurement/IEEE 802.11a_OFDM 6 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 = 9.537 V/m; Power Drift = -0.07 dB

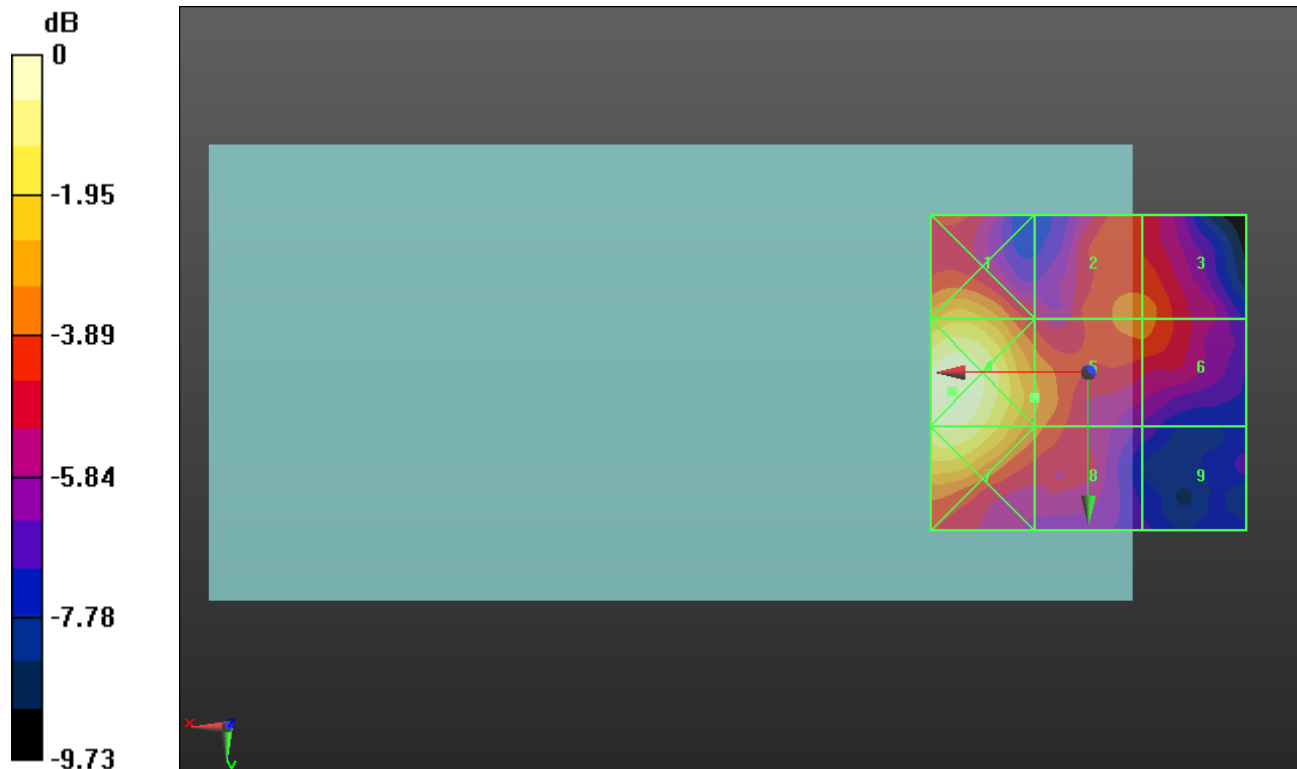
Applied MIF = -5.82 dB

RF audio interference level = 13.73 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 14.65 dBV/m	Grid 2 M4 13.13 dBV/m	Grid 3 M4 13.13 dBV/m
Grid 4 M4 16.76 dBV/m	Grid 5 M4 13.73 dBV/m	Grid 6 M4 13.11 dBV/m
Grid 7 M4 16.24 dBV/m	Grid 8 M4 13.22 dBV/m	Grid 9 M4 10.14 dBV/m



0 dB = 6.884 V/m = 16.76 dBV/m

HAC-RF Emission ANT5 Wi-Fi 5GHz

Communication System: UID 10062 - CAC, IEEE 802.11a/h WiFi 5 GHz (OFDM, 6 Mbps); Frequency: 5520 MHz; Duty Cycle: 1:7.37564

Phantom section: RF Section

DASY5 Configuration:

- Probe: EF3DV3 - SN4041; ConvF(1, 1, 1) @ 5520 MHz; Calibrated: 3/18/2020
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1257; Calibrated: 10/10/2019
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

802.11a E-Field measurement/IEEE 802.11a_OFDM 6 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 = 8.046 V/m; Power Drift = 0.29 dB

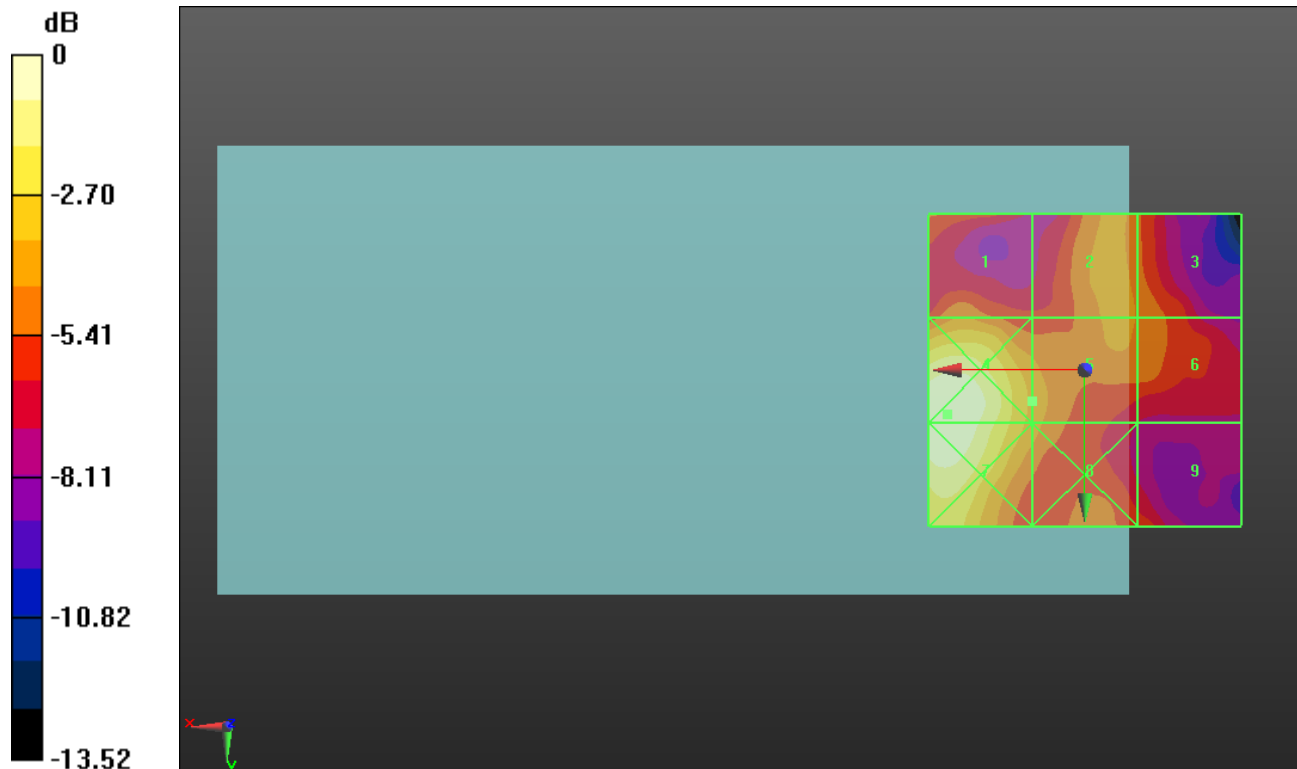
Applied MIF = -5.82 dB

RF audio interference level = 11.90 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 11.22 dBV/m	Grid 2 M4 11.68 dBV/m	Grid 3 M4 11.1 dBV/m
Grid 4 M4 15.67 dBV/m	Grid 5 M4 11.9 dBV/m	Grid 6 M4 11.1 dBV/m
Grid 7 M4 15.62 dBV/m	Grid 8 M4 11.71 dBV/m	Grid 9 M4 10.12 dBV/m



0 dB = 6.078 V/m = 15.68 dBV/m

HAC-RF Emission ANT5 Wi-Fi 5GHz

Communication System: UID 10062 - CAC, IEEE 802.11a/h WiFi 5 GHz (OFDM, 6 Mbps); Frequency: 5620 MHz; Duty Cycle: 1:7.37564

Phantom section: RF Section

DASY5 Configuration:

- Probe: EF3DV3 - SN4041; ConvF(1, 1, 1) @ 5620 MHz; Calibrated: 3/18/2020
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1257; Calibrated: 10/10/2019
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

802.11a E-Field measurement/IEEE 802.11a_OFDM 6 Mbps Ch. 124/Hearing Aid Compatibility Test (101x101x1):

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

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 7.914 V/m; Power Drift = -0.12 dB

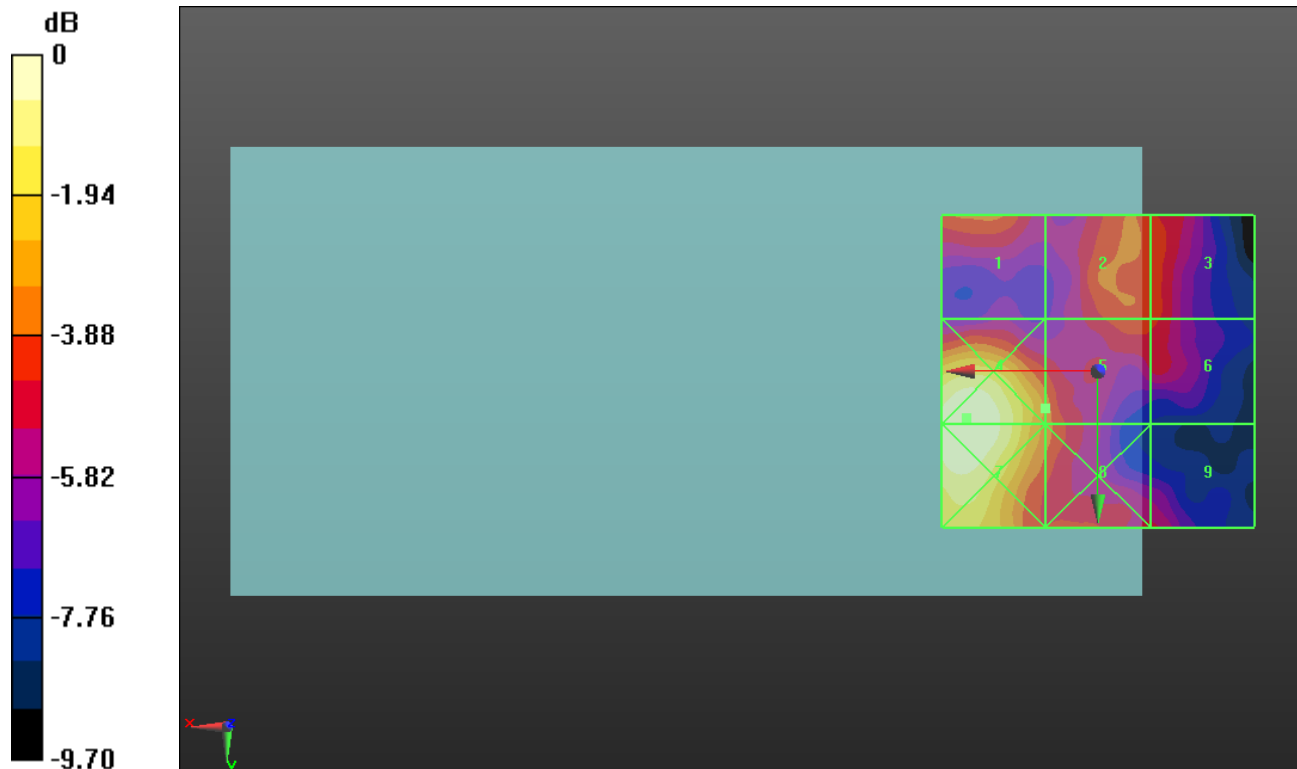
Applied MIF = -5.82 dB

RF audio interference level = 12.55 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 12.28 dBV/m	Grid 2 M4 12.22 dBV/m	Grid 3 M4 11.92 dBV/m
Grid 4 M4 15.92 dBV/m	Grid 5 M4 12.55 dBV/m	Grid 6 M4 11.67 dBV/m
Grid 7 M4 15.91 dBV/m	Grid 8 M4 12.49 dBV/m	Grid 9 M4 10.93 dBV/m



0 dB = 6.254 V/m = 15.92 dBV/m

HAC-RF Emission ANT5 Wi-Fi 5GHz

Communication System: UID 10062 - CAC, IEEE 802.11a/h WiFi 5 GHz (OFDM, 6 Mbps); Frequency: 5720 MHz; Duty Cycle: 1:7.37564

Phantom section: RF Section

DASY5 Configuration:

- Probe: EF3DV3 - SN4041; ConvF(1, 1, 1) @ 5720 MHz; Calibrated: 3/18/2020
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1257; Calibrated: 10/10/2019
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

802.11a E-Field measurement/IEEE 802.11a_OFDM 6 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 = 8.786 V/m; Power Drift = -0.12 dB

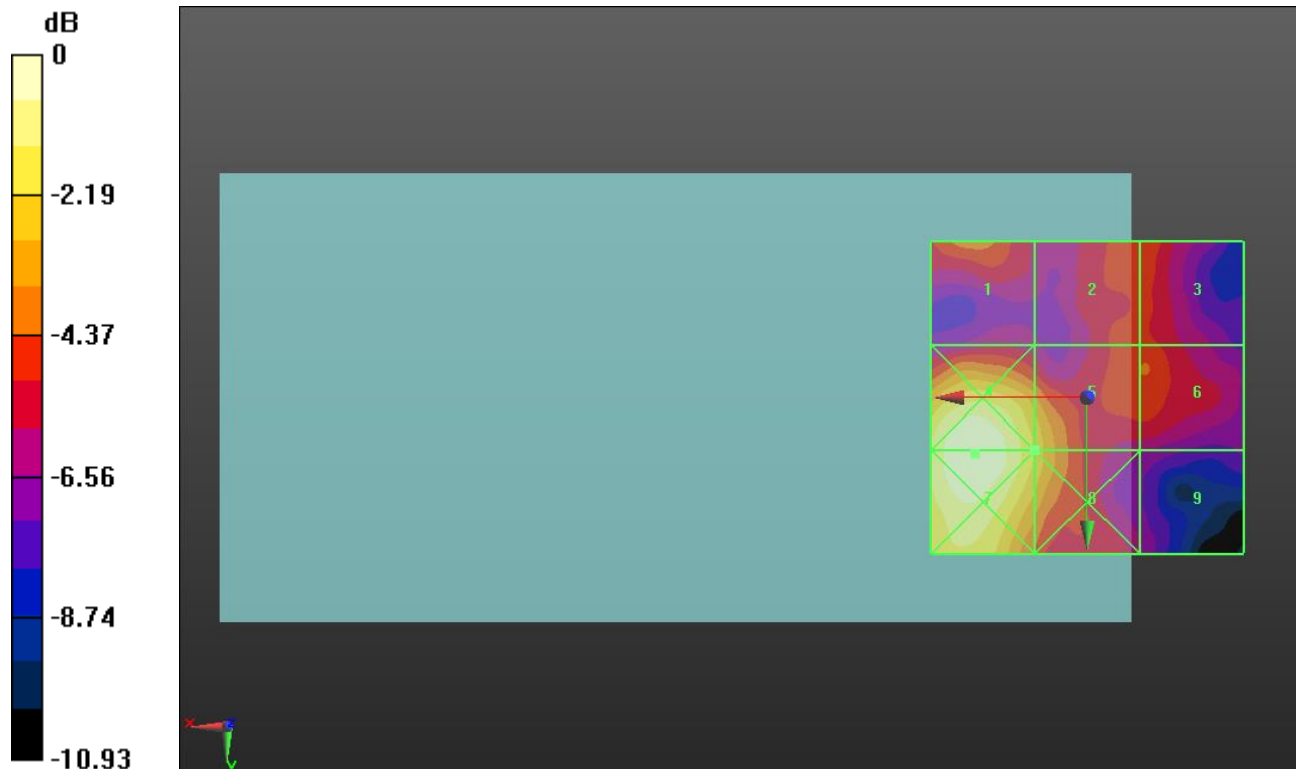
Applied MIF = -5.82 dB

RF audio interference level = 14.10 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 12.35 dBV/m	Grid 2 M4 11.76 dBV/m	Grid 3 M4 11.76 dBV/m
Grid 4 M4 16.34 dBV/m	Grid 5 M4 14.1 dBV/m	Grid 6 M4 12.02 dBV/m
Grid 7 M4 16.34 dBV/m	Grid 8 M4 14.11 dBV/m	Grid 9 M4 9.95 dBV/m



0 dB = 6.562 V/m = 16.34 dBV/m

HAC-RF Emission ANT5 Wi-Fi 5GHz

Communication System: UID 10062 - CAC, IEEE 802.11a/h WiFi 5 GHz (OFDM, 6 Mbps); Frequency: 5745 MHz; Duty Cycle: 1:7.37564

Phantom section: RF Section

DASY5 Configuration:

- Probe: EF3DV3 - SN4041; ConvF(1, 1, 1) @ 5745 MHz; Calibrated: 3/18/2020
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1257; Calibrated: 10/10/2019
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

802.11a E-Field measurement/IEEE 802.11a_OFDM 6 Mbps Ch. 149/Hearing Aid Compatibility Test (101x101x1):

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

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 9.160 V/m; Power Drift = 0.05 dB

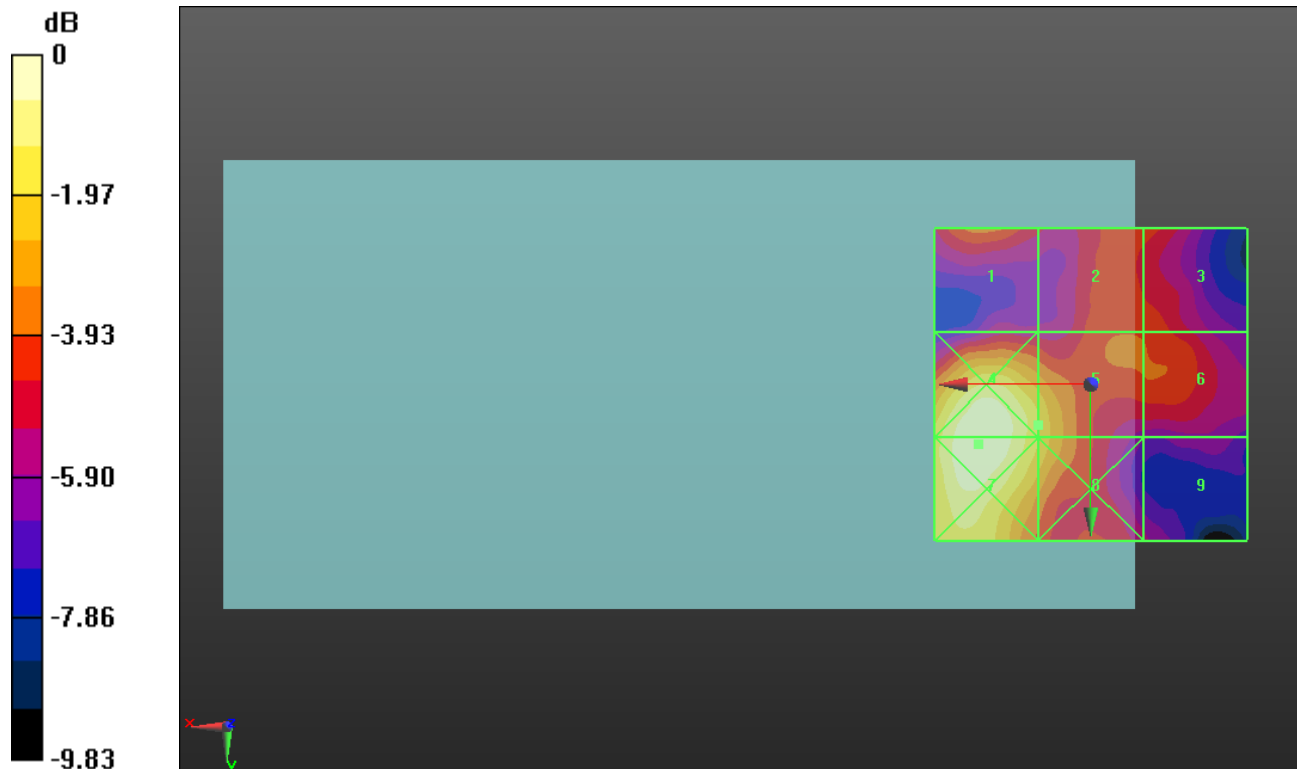
Applied MIF = -5.82 dB

RF audio interference level = 14.43 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 12.67 dBV/m	Grid 2 M4 12.34 dBV/m	Grid 3 M4 12.23 dBV/m
Grid 4 M4 16.26 dBV/m	Grid 5 M4 14.43 dBV/m	Grid 6 M4 12.41 dBV/m
Grid 7 M4 16.27 dBV/m	Grid 8 M4 14.36 dBV/m	Grid 9 M4 10.63 dBV/m



0 dB = 6.505 V/m = 16.26 dBV/m

HAC-RF Emission ANT5 Wi-Fi 5GHz

Communication System: UID 10062 - CAC, IEEE 802.11a/h WiFi 5 GHz (OFDM, 6 Mbps); Frequency: 5785 MHz; Duty Cycle: 1:7.37564

Phantom section: RF Section

DASY5 Configuration:

- Probe: EF3DV3 - SN4041; ConvF(1, 1, 1) @ 5785 MHz; Calibrated: 3/18/2020
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1257; Calibrated: 10/10/2019
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

802.11a E-Field measurement/IEEE 802.11a_OFDM 6 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 = 9.340 V/m; Power Drift = -0.04 dB

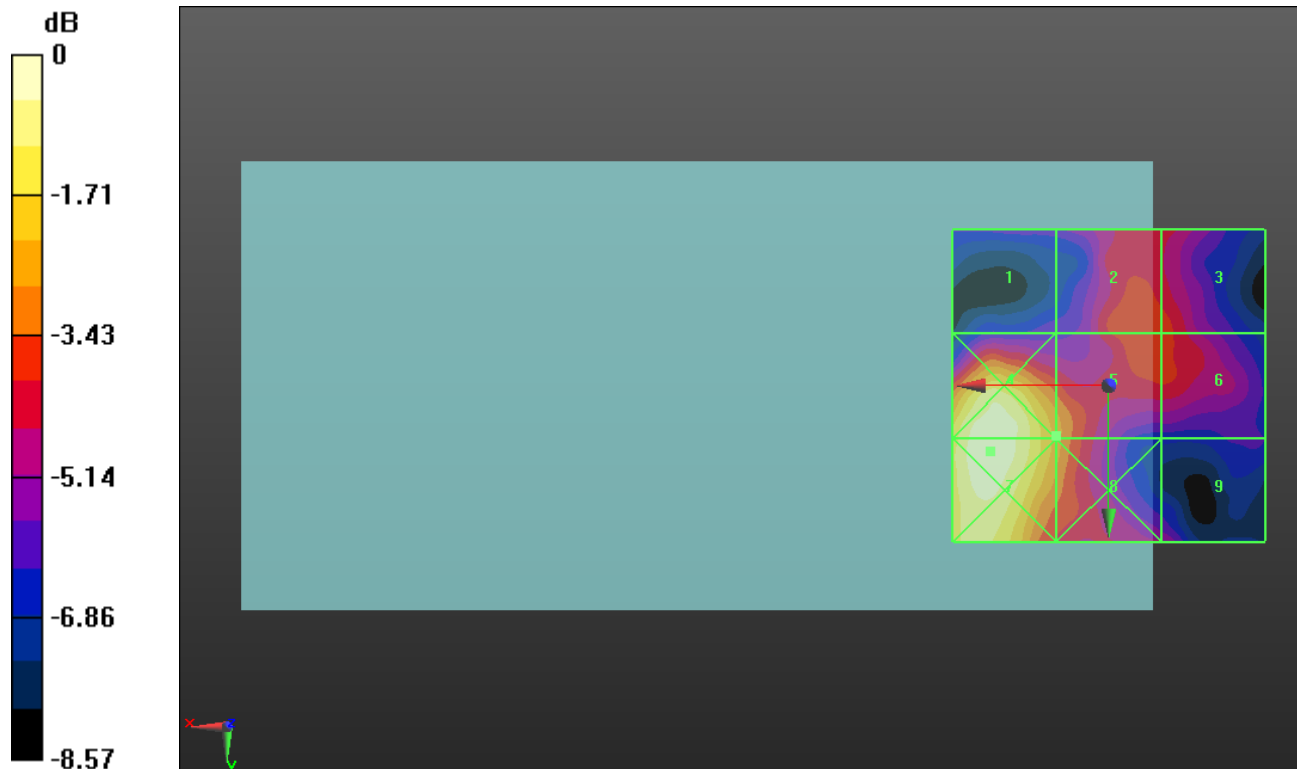
Applied MIF = -5.82 dB

RF audio interference level = 14.12 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 10.84 dBV/m	Grid 2 M4 13.12 dBV/m	Grid 3 M4 12.94 dBV/m
Grid 4 M4 16.6 dBV/m	Grid 5 M4 14.12 dBV/m	Grid 6 M4 12.95 dBV/m
Grid 7 M4 16.64 dBV/m	Grid 8 M4 14.12 dBV/m	Grid 9 M4 11.54 dBV/m



0 dB = 6.789 V/m = 16.64 dBV/m

HAC-RF Emission ANT5 Wi-Fi 5GHz

Communication System: UID 10062 - CAC, IEEE 802.11a/h WiFi 5 GHz (OFDM, 6 Mbps); Frequency: 5825 MHz; Duty Cycle: 1:7.37564

Phantom section: RF Section

DASY5 Configuration:

- Probe: EF3DV3 - SN4041; ConvF(1, 1, 1) @ 5825 MHz; Calibrated: 3/18/2020
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1257; Calibrated: 10/10/2019
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

802.11a E-Field measurement/IEEE 802.11a_OFDM 6 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 = 9.277 V/m; Power Drift = -0.15 dB

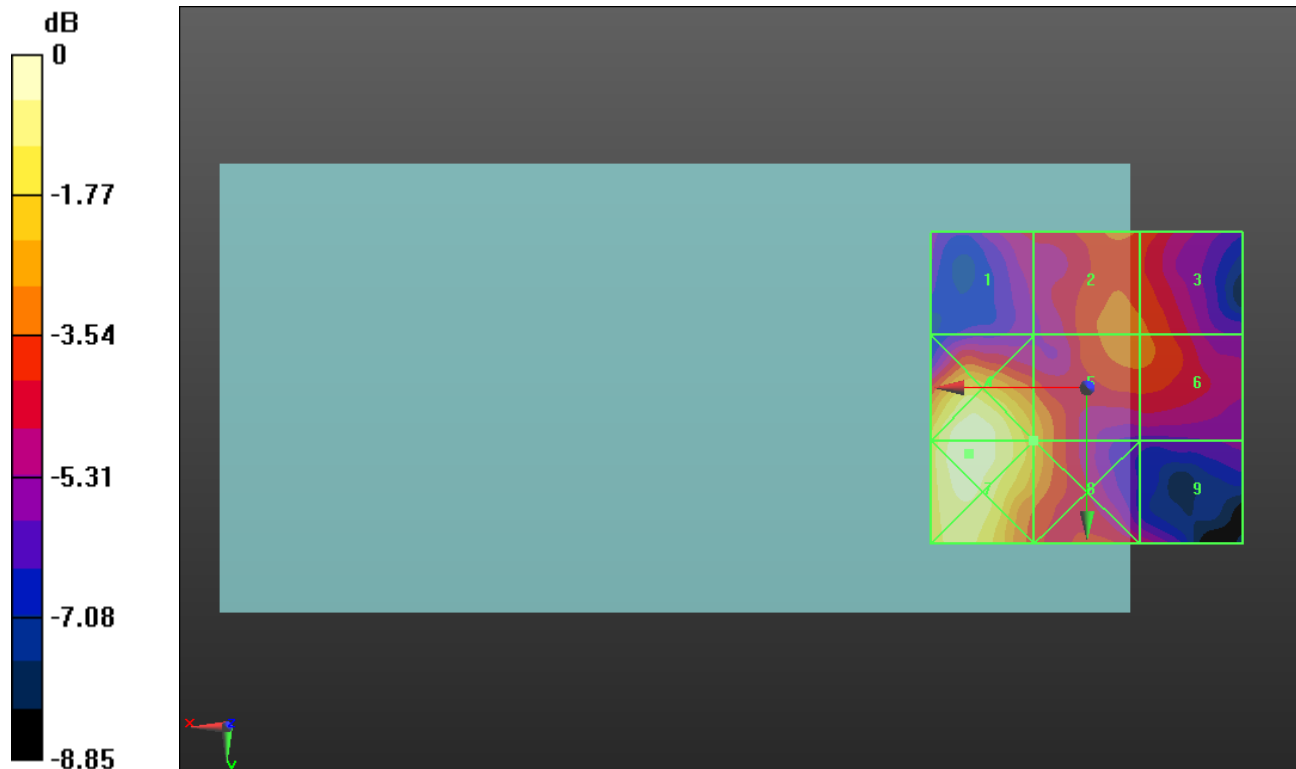
Applied MIF = -5.82 dB

RF audio interference level = 14.01 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 11.84 dBV/m	Grid 2 M4 12.95 dBV/m	Grid 3 M4 12.9 dBV/m
Grid 4 M4 16.23 dBV/m	Grid 5 M4 14.01 dBV/m	Grid 6 M4 12.95 dBV/m
Grid 7 M4 16.3 dBV/m	Grid 8 M4 14.06 dBV/m	Grid 9 M4 11.76 dBV/m



0 dB = 6.528 V/m = 16.30 dBV/m

HAC-RF Emission ANT7

Communication System: UID 10173 - CAG, LTE-TDD (SC-FDMA, 1 RB, 20 MHz, 16-QAM); Frequency: 3560 MHz; Duty Cycle: 1:8.8736

Phantom section: RF Section

DASY5 Configuration:

- Probe: EF3DV3 - SN4041; ConvF(1, 1, 1) @ 3560 MHz; Calibrated: 3/18/2020
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1257; Calibrated: 10/10/2019
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

LTE Band 48_E-Field measurement/SC-FDMA RB 1/49 20 MHz 16QAM Ch.

55340/Hearing Aid Compatibility Test (101x101x1): Interpolated grid: dx=0.5000 mm, dy=0.5000 mm

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 6.730 V/m; Power Drift = -0.18 dB

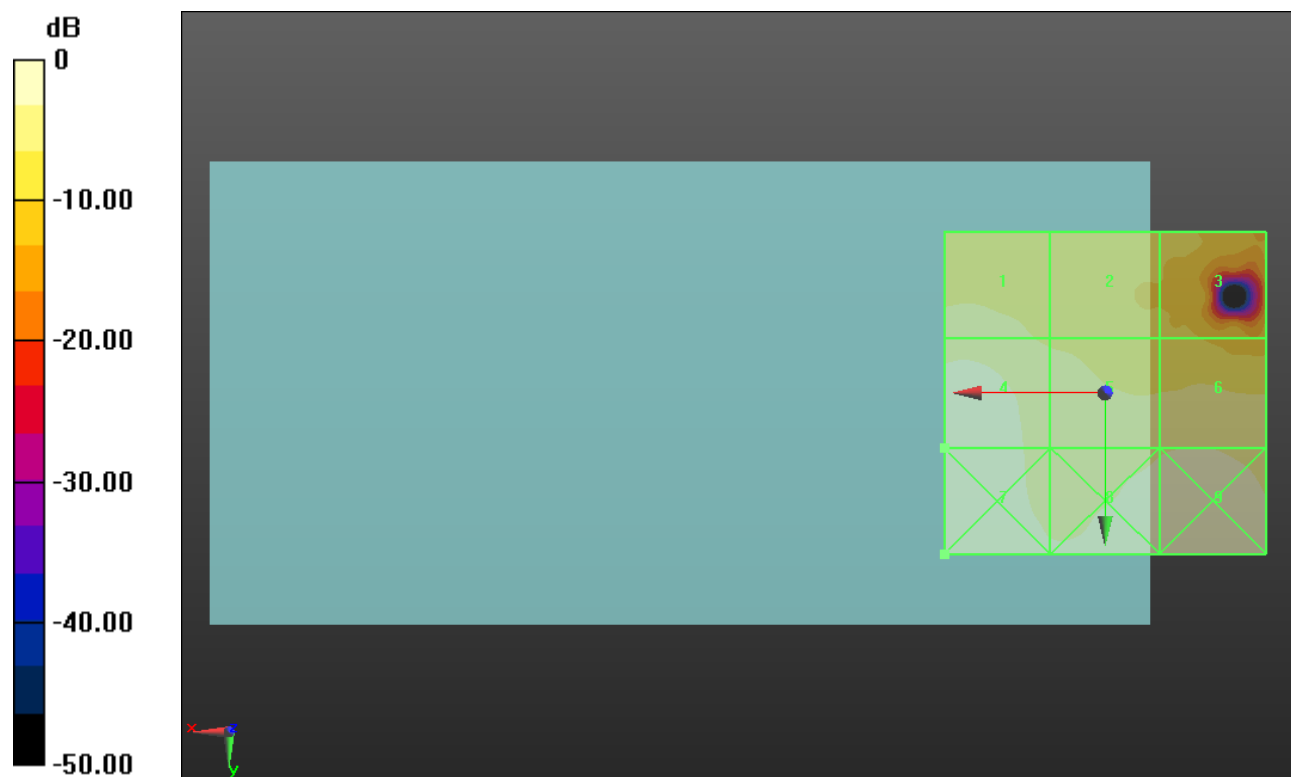
Applied MIF = -1.44 dB

RF audio interference level = 18.90 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 15.55 dBV/m	Grid 2 M4 12.9 dBV/m	Grid 3 M4 11.42 dBV/m
Grid 4 M4 18.9 dBV/m	Grid 5 M4 16.17 dBV/m	Grid 6 M4 16.68 dBV/m
Grid 7 M4 19.94 dBV/m	Grid 8 M4 19.47 dBV/m	Grid 9 M4 19.59 dBV/m



0 dB = 9.934 V/m = 19.94 dBV/m

HAC-RF Emission ANT7

Communication System: UID 10173 - CAG, LTE-TDD (SC-FDMA, 1 RB, 20 MHz, 16-QAM); Frequency: 3603.3 MHz; Duty Cycle: 1:8.8736

Phantom section: RF Section

DASY5 Configuration:

- Probe: EF3DV3 - SN4041; ConvF(1, 1, 1) @ 3603.3 MHz; Calibrated: 3/18/2020
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1257; Calibrated: 10/10/2019
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

LTE Band 48_E-Field measurement/SC-FDMA RB 1/49 20 MHz 16QAM Ch.

55773/Hearing Aid Compatibility Test (101x101x1): Interpolated grid: dx=0.5000 mm, dy=0.5000 mm

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 5.949 V/m; Power Drift = -0.08 dB

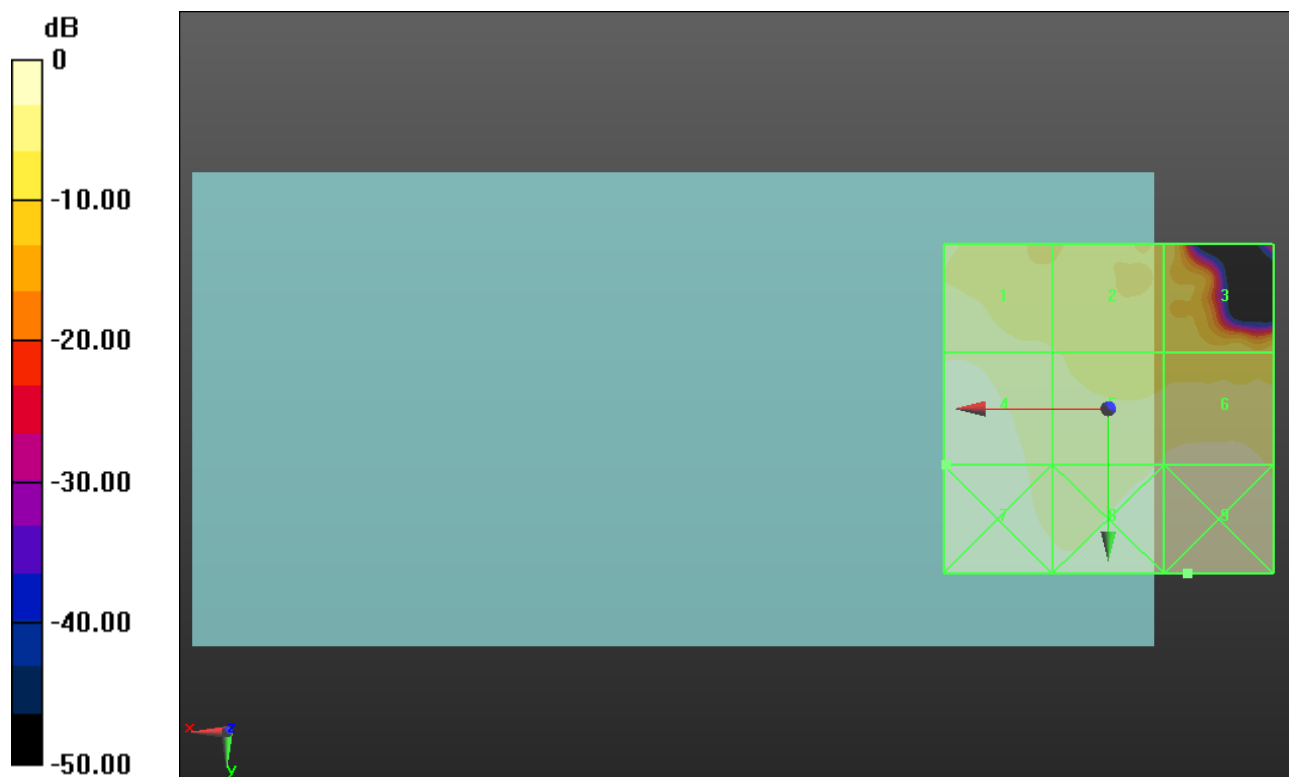
Applied MIF = -1.44 dB

RF audio interference level = 17.57 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 14.85 dBV/m	Grid 2 M4 11.97 dBV/m	Grid 3 M4 11.67 dBV/m
Grid 4 M4 17.57 dBV/m	Grid 5 M4 15.51 dBV/m	Grid 6 M4 15.95 dBV/m
Grid 7 M4 18.41 dBV/m	Grid 8 M4 18.23 dBV/m	Grid 9 M4 18.45 dBV/m



0 dB = 8.368 V/m = 18.45 dBV/m

HAC-RF Emission ANT7

Communication System: UID 10173 - CAG, LTE-TDD (SC-FDMA, 1 RB, 20 MHz, 16-QAM); Frequency: 3646.7 MHz; Duty Cycle: 1:8.8736

Phantom section: RF Section

DASY5 Configuration:

- Probe: EF3DV3 - SN4041; ConvF(1, 1, 1) @ 3646.7 MHz; Calibrated: 3/18/2020
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1257; Calibrated: 10/10/2019
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

LTE Band 48_E-Field measurement/SC-FDMA RB 1/49 20 MHz 16QAM Ch.

56207/Hearing Aid Compatibility Test (101x101x1): Interpolated grid: dx=0.5000 mm, dy=0.5000 mm

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 5.943 V/m; Power Drift = -0.13 dB

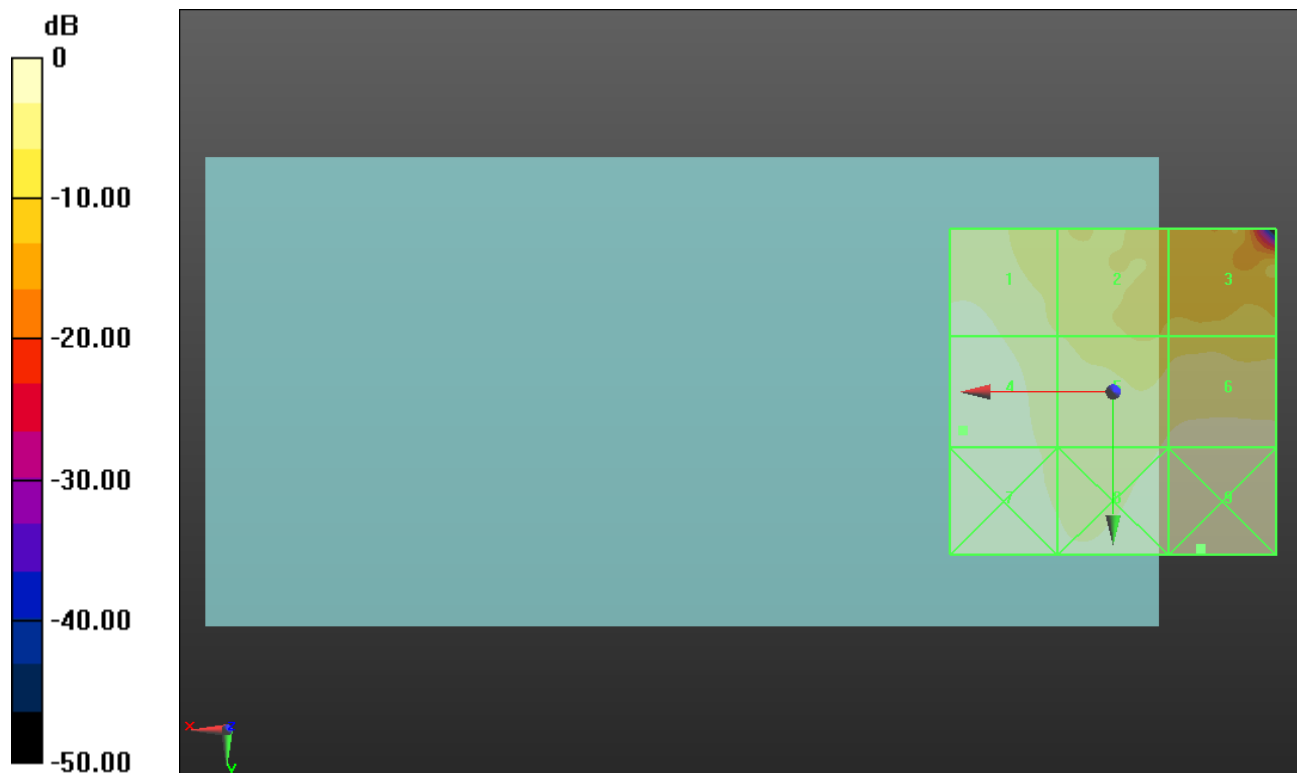
Applied MIF = -1.44 dB

RF audio interference level = 17.22 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 15.93 dBV/m	Grid 2 M4 11.67 dBV/m	Grid 3 M4 10.44 dBV/m
Grid 4 M4 17.22 dBV/m	Grid 5 M4 15.31 dBV/m	Grid 6 M4 16.15 dBV/m
Grid 7 M4 17.85 dBV/m	Grid 8 M4 17.69 dBV/m	Grid 9 M4 18.15 dBV/m



0 dB = 8.081 V/m = 18.15 dBV/m

HAC-RF Emission ANT7

Communication System: UID 10173 - CAG, LTE-TDD (SC-FDMA, 1 RB, 20 MHz, 16-QAM); Frequency: 3690 MHz; Duty Cycle: 1:8.8736

Phantom section: RF Section

DASY5 Configuration:

- Probe: EF3DV3 - SN4041; ConvF(1, 1, 1) @ 3690 MHz; Calibrated: 3/18/2020
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1257; Calibrated: 10/10/2019
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

LTE Band 48_E-Field measurement/SC-FDMA RB 1/49 20 MHz 16QAM Ch.

56640/Hearing Aid Compatibility Test (101x101x1): Interpolated grid: dx=0.5000 mm, dy=0.5000 mm

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 5.887 V/m; Power Drift = -0.17 dB

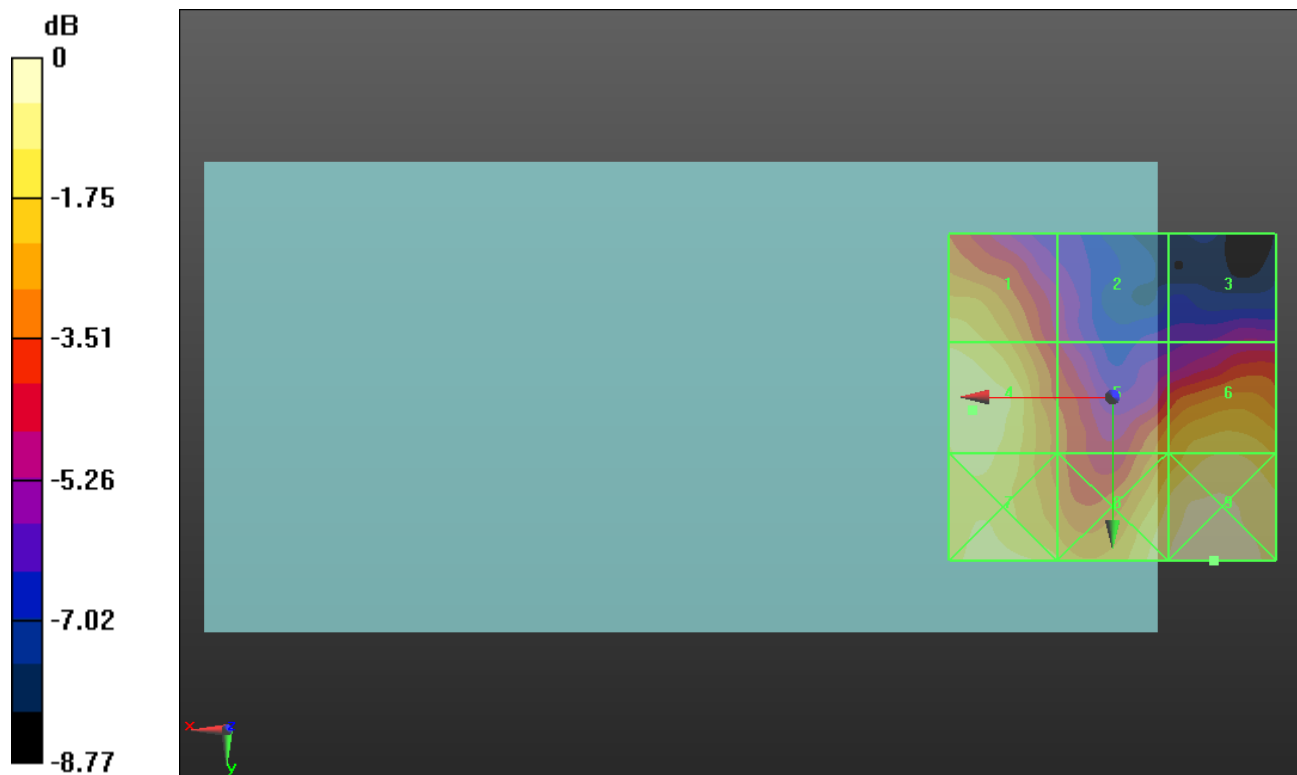
Applied MIF = -1.44 dB

RF audio interference level = 17.17 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 16.82 dBV/m	Grid 2 M4 13.49 dBV/m	Grid 3 M4 12.95 dBV/m
Grid 4 M4 17.17 dBV/m	Grid 5 M4 15.77 dBV/m	Grid 6 M4 16.88 dBV/m
Grid 7 M4 17.27 dBV/m	Grid 8 M4 17.49 dBV/m	Grid 9 M4 18.05 dBV/m



0 dB = 7.993 V/m = 18.05 dBV/m

HAC-RF Emission ANT8

Communication System: UID 10173 - CAG, LTE-TDD (SC-FDMA, 1 RB, 20 MHz, 16-QAM); Frequency: 3560 MHz; Duty Cycle: 1:8.8736

Phantom section: RF Section

DASY5 Configuration:

- Probe: EF3DV3 - SN4041; ConvF(1, 1, 1) @ 3560 MHz; Calibrated: 3/18/2020
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1257; Calibrated: 10/10/2019
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

LTE Band 48 E-Field measurement/SC-FDMA 1RB 20 MHz 16QAM Ch. 55340/Hearing Aid Compatibility Test (101x101x1): Interpolated grid: dx=0.5000 mm, dy=0.5000 mm

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 12.92 V/m; Power Drift = -0.09 dB

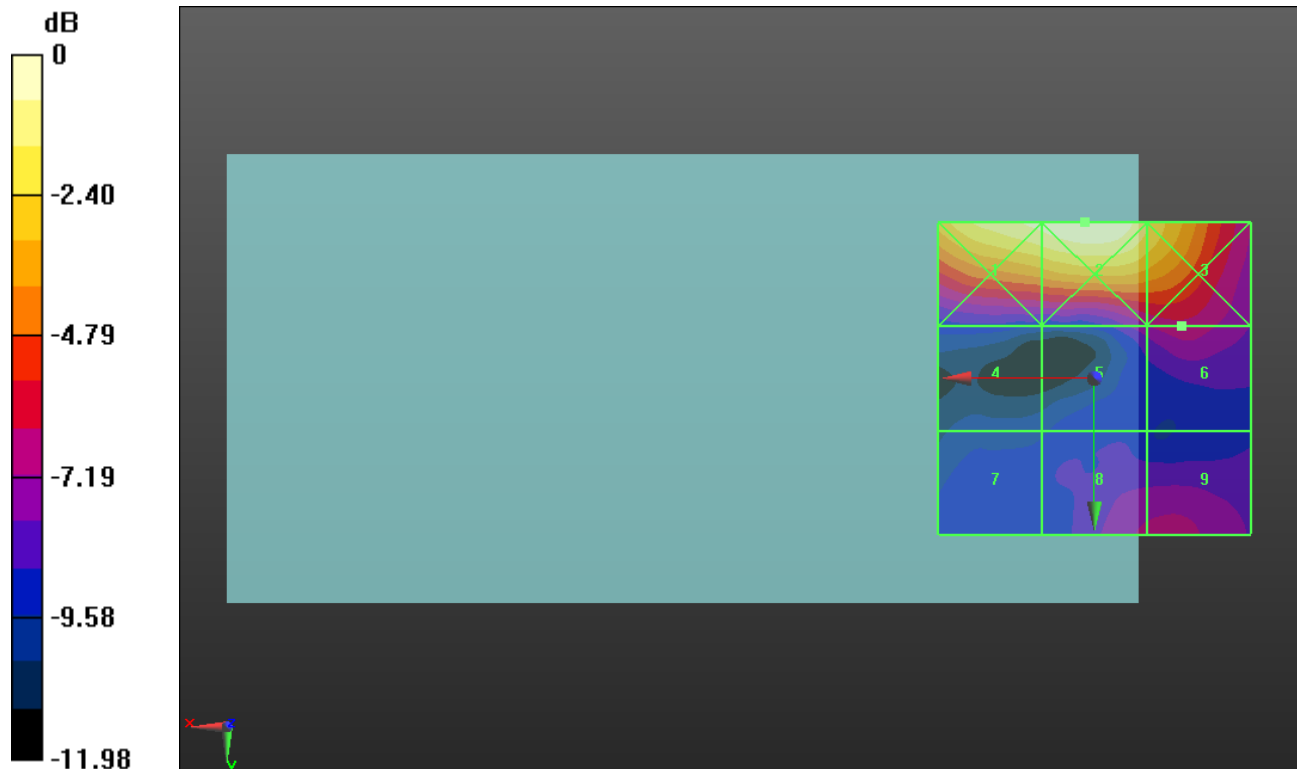
Applied MIF = -1.44 dB

RF audio interference level = 19.74 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 25.86 dBV/m	Grid 2 M4 26.35 dBV/m	Grid 3 M4 24.83 dBV/m
Grid 4 M4 17.47 dBV/m	Grid 5 M4 19.16 dBV/m	Grid 6 M4 19.74 dBV/m
Grid 7 M4 17.55 dBV/m	Grid 8 M4 19.31 dBV/m	Grid 9 M4 19.46 dBV/m



0 dB = 20.76 V/m = 26.34 dBV/m

HAC-RF Emission ANT8

Communication System: UID 10173 - CAG, LTE-TDD (SC-FDMA, 1 RB, 20 MHz, 16-QAM); Frequency: 3603.3 MHz; Duty Cycle: 1:8.8736

Phantom section: RF Section

DASY5 Configuration:

- Probe: EF3DV3 - SN4041; ConvF(1, 1, 1) @ 3603.3 MHz; Calibrated: 3/18/2020
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1257; Calibrated: 10/10/2019
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

LTE Band 48 E-Field measurement/SC-FDMA 1RB 20 MHz 16QAM Ch. 55773/Hearing Aid Compatibility Test (101x101x1): Interpolated grid: dx=0.5000 mm, dy=0.5000 mm

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 12.37 V/m; Power Drift = -0.15 dB

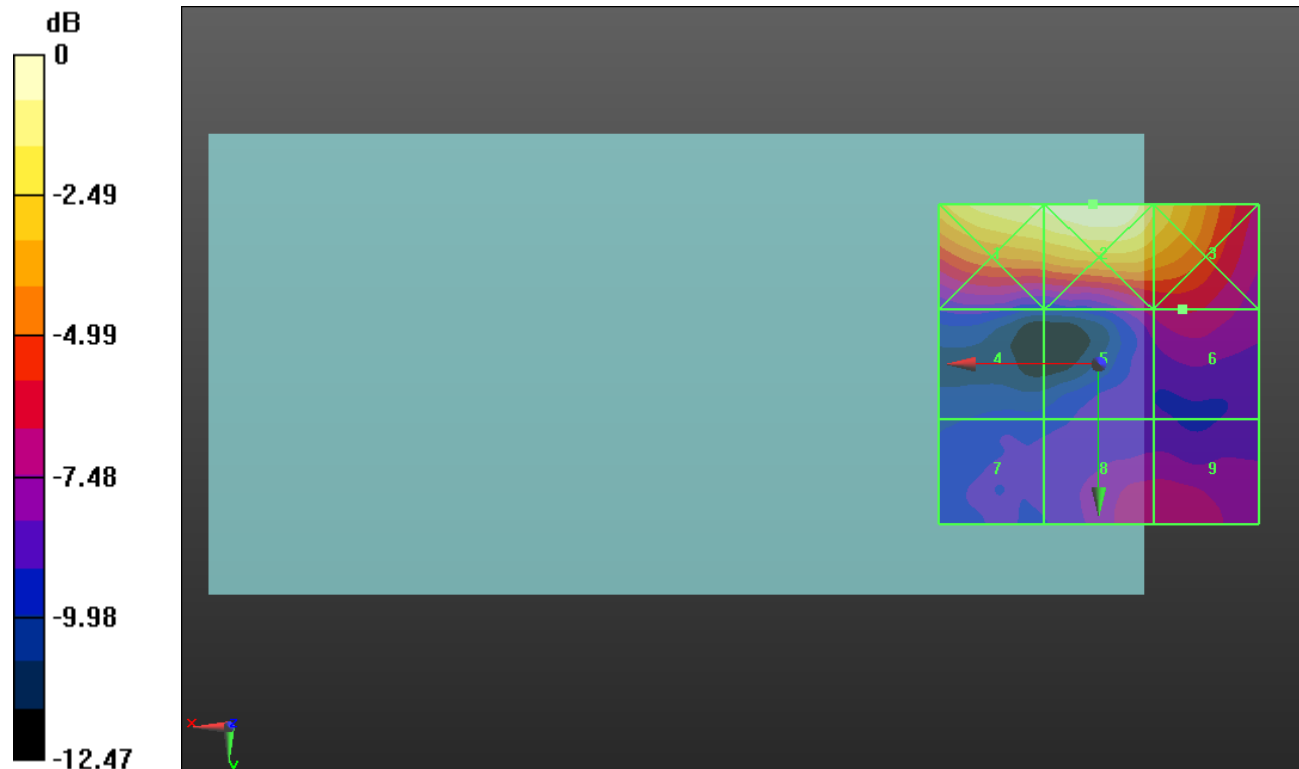
Applied MIF = -1.44 dB

RF audio interference level = 19.03 dBV/m

Emission category: **M4**

MIF scaled E-field

Grid 1 M4 24.96 dBV/m	Grid 2 M4 25.54 dBV/m	Grid 3 M4 24.02 dBV/m
Grid 4 M4 16.84 dBV/m	Grid 5 M4 18.54 dBV/m	Grid 6 M4 19.03 dBV/m
Grid 7 M4 16.64 dBV/m	Grid 8 M4 18.84 dBV/m	Grid 9 M4 18.89 dBV/m



0 dB = 18.92 V/m = 25.54 dBV/m

HAC-RF Emission ANT8

Communication System: UID 10173 - CAG, LTE-TDD (SC-FDMA, 1 RB, 20 MHz, 16-QAM); Frequency: 3646.7 MHz; Duty Cycle: 1:8.8736

Phantom section: RF Section

DASY5 Configuration:

- Probe: EF3DV3 - SN4041; ConvF(1, 1, 1) @ 3646.7 MHz; Calibrated: 3/18/2020
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1257; Calibrated: 10/10/2019
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

LTE Band 48 E-Field measurement/SC-FDMA 1RB 20 MHz 16QAM Ch. 56207/Hearing Aid Compatibility Test (101x101x1): Interpolated grid: dx=0.5000 mm, dy=0.5000 mm

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 11.93 V/m; Power Drift = -0.14 dB

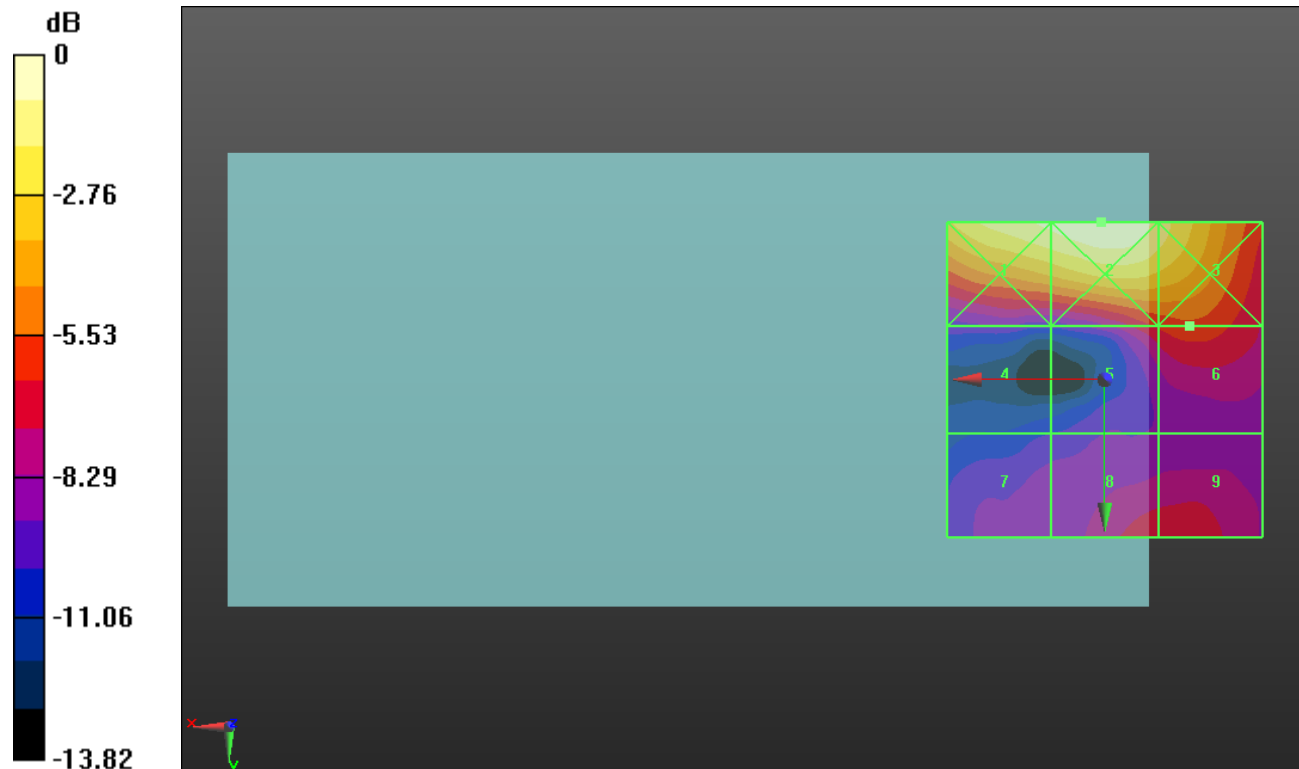
Applied MIF = -1.44 dB

RF audio interference level = 19.94 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 25.06 dBV/m	Grid 2 M4 25.71 dBV/m	Grid 3 M4 24.42 dBV/m
Grid 4 M4 16.51 dBV/m	Grid 5 M4 19.44 dBV/m	Grid 6 M4 19.94 dBV/m
Grid 7 M4 16.96 dBV/m	Grid 8 M4 18.96 dBV/m	Grid 9 M4 18.99 dBV/m



0 dB = 19.29 V/m = 25.71 dBV/m

HAC-RF Emission ANT8

Communication System: UID 10173 - CAG, LTE-TDD (SC-FDMA, 1 RB, 20 MHz, 16-QAM); Frequency: 3690 MHz; Duty Cycle: 1:8.8736

Phantom section: RF Section

DASY5 Configuration:

- Probe: EF3DV3 - SN4041; ConvF(1, 1, 1) @ 3690 MHz; Calibrated: 3/18/2020
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1257; Calibrated: 10/10/2019
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

LTE Band 48 E-Field measurement/SC-FDMA 1RB 20 MHz 16QAM Ch. 56640/Hearing Aid Compatibility Test (101x101x1): Interpolated grid: dx=0.5000 mm, dy=0.5000 mm

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 12.07 V/m; Power Drift = -0.11 dB

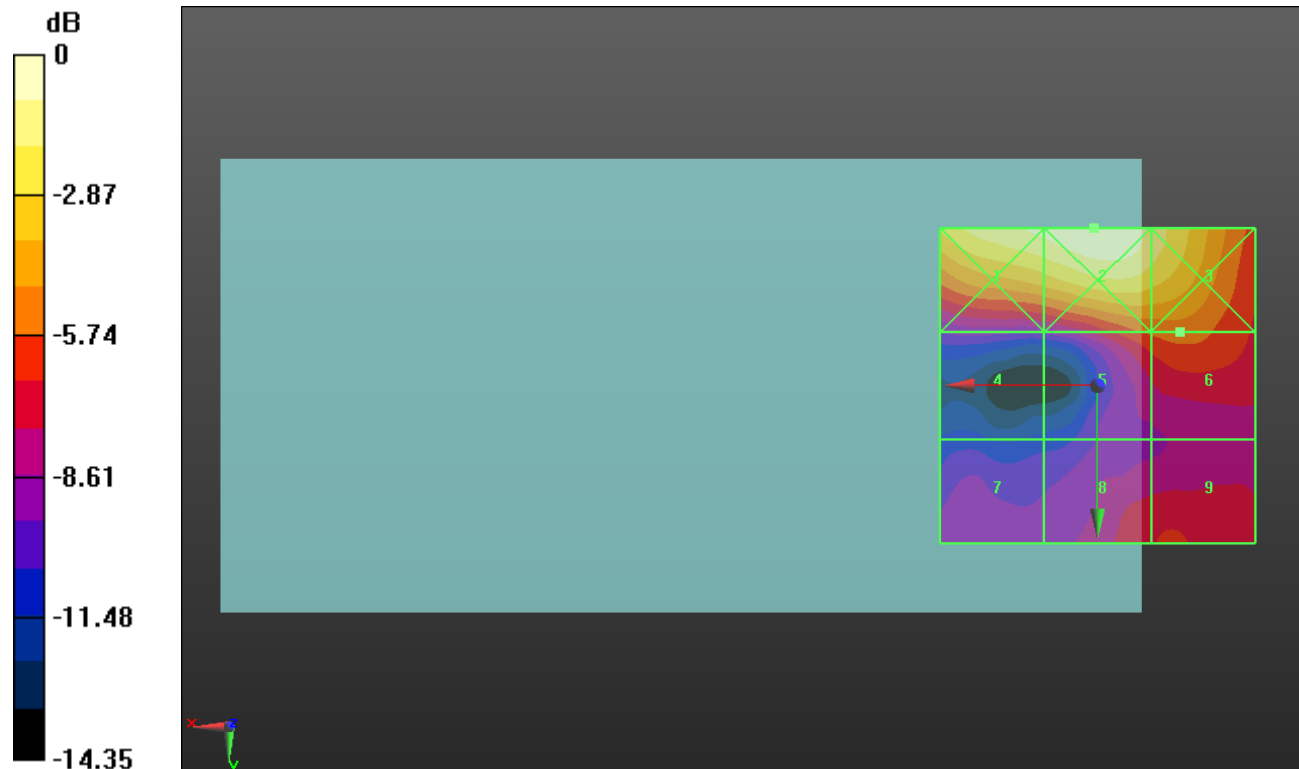
Applied MIF = -1.44 dB

RF audio interference level = 20.26 dBV/m

Emission category: **M4**

MIF scaled E-field

Grid 1 M4 24.89 dBV/m	Grid 2 M4 25.53 dBV/m	Grid 3 M4 24.28 dBV/m
Grid 4 M4 16.44 dBV/m	Grid 5 M4 19.98 dBV/m	Grid 6 M4 20.26 dBV/m
Grid 7 M4 16.78 dBV/m	Grid 8 M4 18.79 dBV/m	Grid 9 M4 18.95 dBV/m



0 dB = 18.89 V/m = 25.52 dBV/m

HAC-RF Emission ANT9

Communication System: UID 10173 - CAG, LTE-TDD (SC-FDMA, 1 RB, 20 MHz, 16-QAM); Frequency: 3560 MHz; Duty Cycle: 1:8.8736

Phantom section: RF Section

DASY5 Configuration:

- Probe: EF3DV3 - SN4041; ConvF(1, 1, 1) @ 3560 MHz; Calibrated: 3/18/2020
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1257; Calibrated: 10/10/2019
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

LTE Band 48 E-Field measurement/SC-FDMA 1RB 20 MHz 16QAM Ch. 55340/Hearing

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

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 4.087 V/m; Power Drift = -0.16 dB

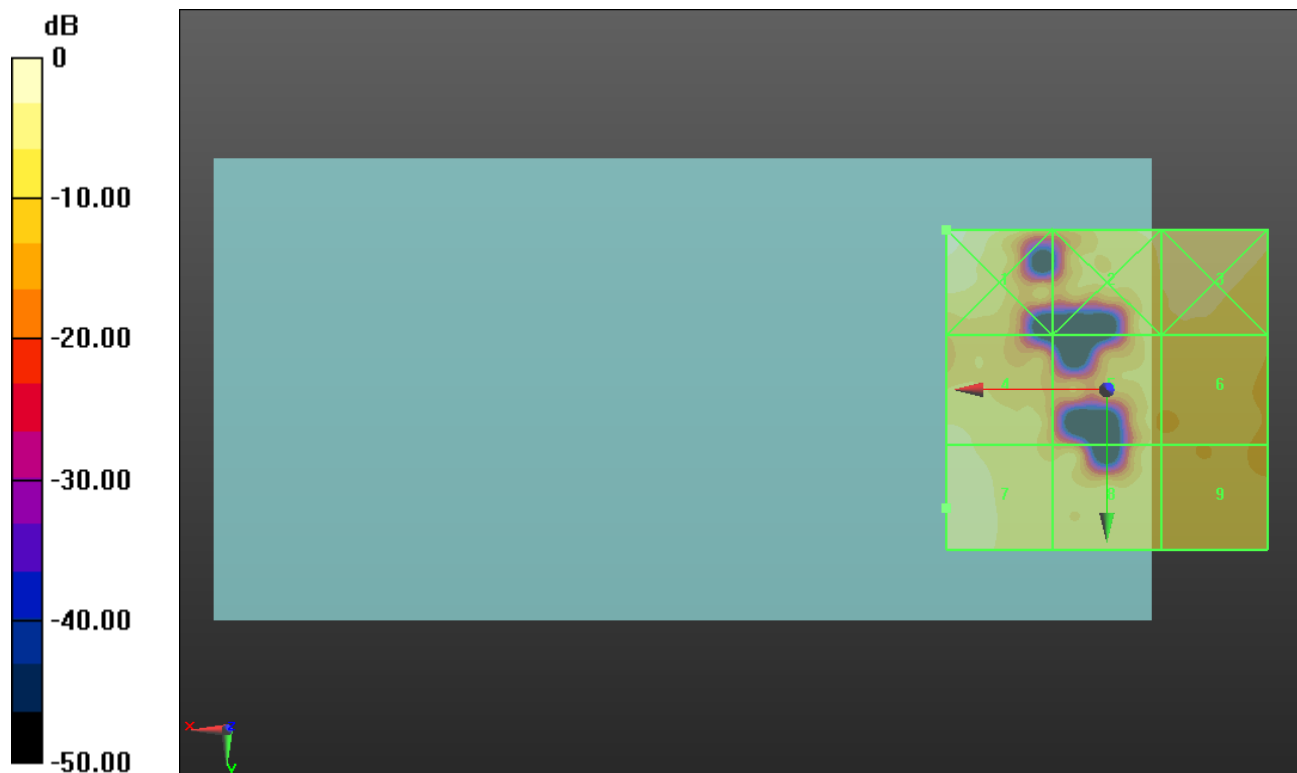
Applied MIF = -1.44 dB

RF audio interference level = 14.02 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 18.59 dBV/m	Grid 2 M4 13.23 dBV/m	Grid 3 M4 13.87 dBV/m
Grid 4 M4 12.72 dBV/m	Grid 5 M4 10.79 dBV/m	Grid 6 M4 11.58 dBV/m
Grid 7 M4 14.02 dBV/m	Grid 8 M4 11.15 dBV/m	Grid 9 M4 11.04 dBV/m



0 dB = 8.501 V/m = 18.59 dBV/m

HAC-RF Emission ANT9

Communication System: UID 10173 - CAG, LTE-TDD (SC-FDMA, 1 RB, 20 MHz, 16-QAM); Frequency: 3603.3 MHz; Duty Cycle: 1:8.8736

Phantom section: RF Section

DASY5 Configuration:

- Probe: EF3DV3 - SN4041; ConvF(1, 1, 1) @ 3603.3 MHz; Calibrated: 3/18/2020
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1257; Calibrated: 10/10/2019
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

LTE Band 48 E-Field measurement/SC-FDMA 1RB 20 MHz 16QAM Ch. 55773/Hearing

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

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 4.344 V/m; Power Drift = 0.16 dB

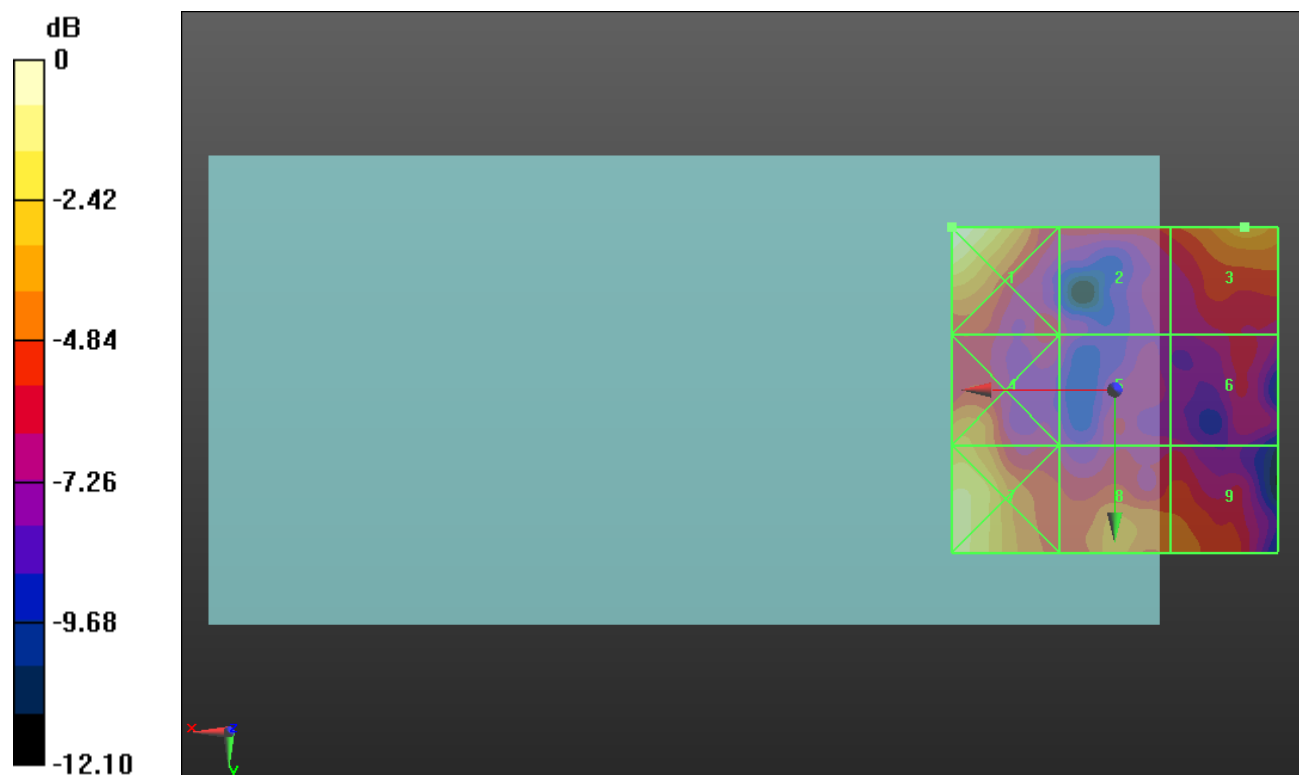
Applied MIF = -1.44 dB

RF audio interference level = 12.96 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 15.33 dBV/m	Grid 2 M4 10.3 dBV/m	Grid 3 M4 12.96 dBV/m
Grid 4 M4 12.35 dBV/m	Grid 5 M4 9.04 dBV/m	Grid 6 M4 9.41 dBV/m
Grid 7 M4 14.21 dBV/m	Grid 8 M4 11.71 dBV/m	Grid 9 M4 10.92 dBV/m



0 dB = 5.841 V/m = 15.33 dBV/m

HAC-RF Emission ANT9

Communication System: UID 10173 - CAG, LTE-TDD (SC-FDMA, 1 RB, 20 MHz, 16-QAM); Frequency: 3646.7 MHz; Duty Cycle: 1:8.8736

Phantom section: RF Section

DASY5 Configuration:

- Probe: EF3DV3 - SN4041; ConvF(1, 1, 1) @ 3646.7 MHz; Calibrated: 3/18/2020
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1257; Calibrated: 10/10/2019
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

LTE Band 48 E-Field measurement/SC-FDMA 1RB 20 MHz 16QAM Ch. 56207/Hearing

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

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 4.710 V/m; Power Drift = -0.00 dB

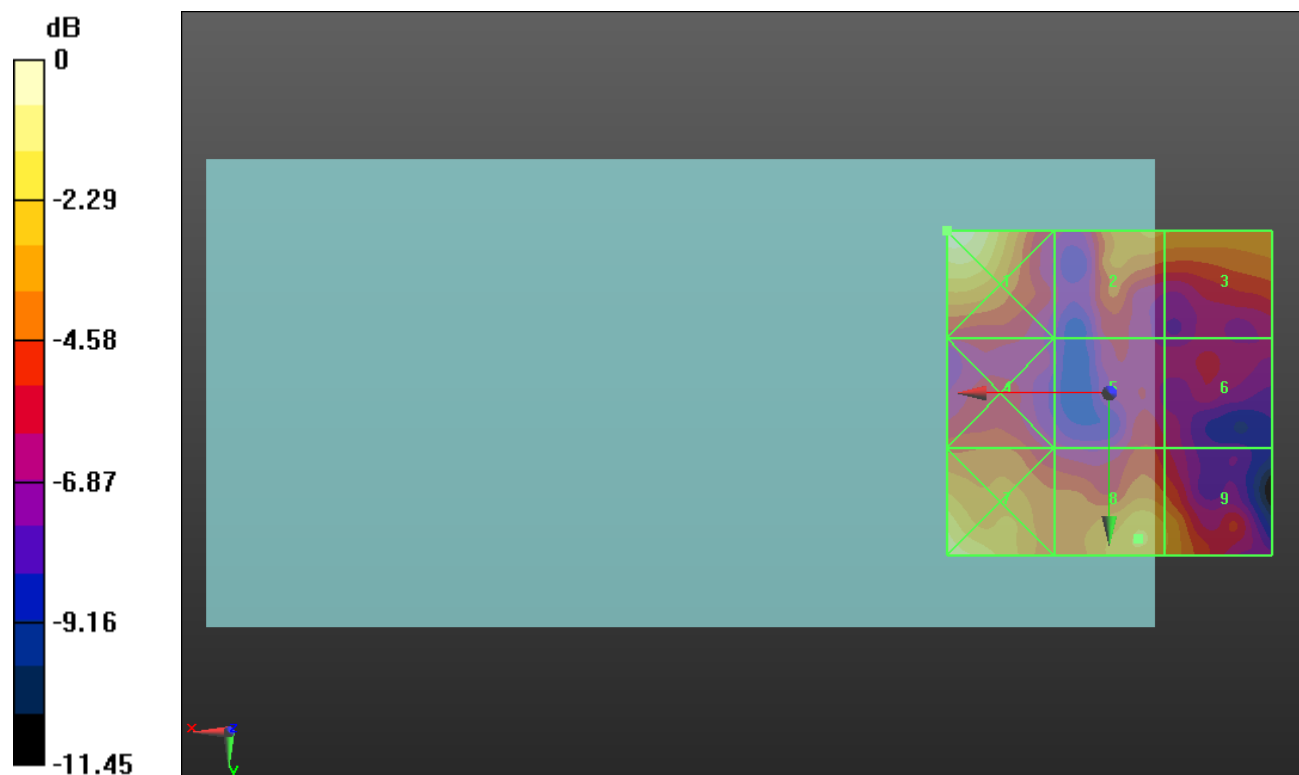
Applied MIF = -1.44 dB

RF audio interference level = 13.39 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 15.6 dBV/m	Grid 2 M4 12.77 dBV/m	Grid 3 M4 12.65 dBV/m
Grid 4 M4 11.07 dBV/m	Grid 5 M4 10.4 dBV/m	Grid 6 M4 9.73 dBV/m
Grid 7 M4 14.77 dBV/m	Grid 8 M4 13.39 dBV/m	Grid 9 M4 12.73 dBV/m



0 dB = 6.022 V/m = 15.59 dBV/m

HAC-RF Emission ANT9

Communication System: UID 10173 - CAG, LTE-TDD (SC-FDMA, 1 RB, 20 MHz, 16-QAM); Frequency: 3690 MHz; Duty Cycle: 1:8.8736

Phantom section: RF Section

DASY5 Configuration:

- Probe: EF3DV3 - SN4041; ConvF(1, 1, 1) @ 3690 MHz; Calibrated: 3/18/2020
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1257; Calibrated: 10/10/2019
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

LTE Band 48 E-Field measurement/SC-FDMA 1RB 20 MHz 16QAM Ch. 56640/Hearing Aid Compatibility Test (101x101x1): Interpolated grid: dx=0.5000 mm, dy=0.5000 mm

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 4.599 V/m; Power Drift = 0.05 dB

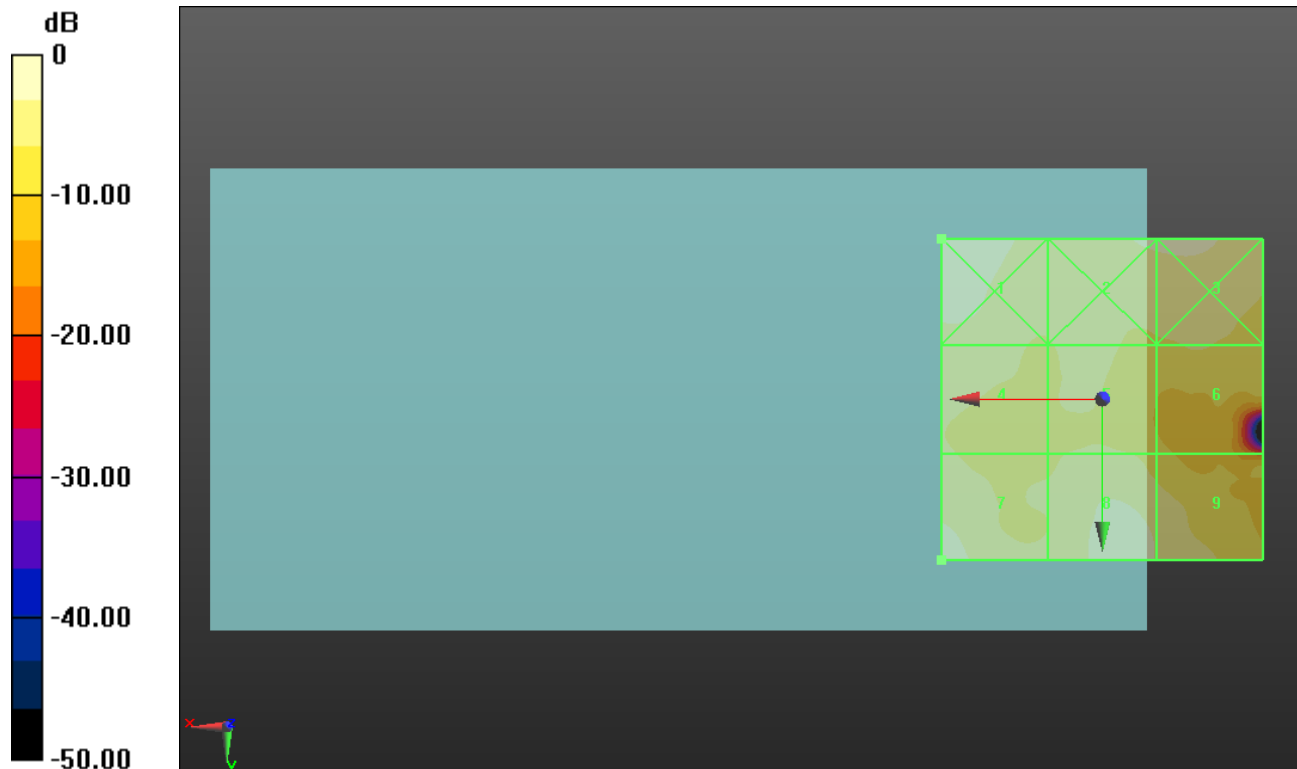
Applied MIF = -1.44 dB

RF audio interference level = 14.38 dBV/m

Emission category: **M4**

MIF scaled E-field

Grid 1 M4 16.37 dBV/m	Grid 2 M4 13.41 dBV/m	Grid 3 M4 13.63 dBV/m
Grid 4 M4 12.26 dBV/m	Grid 5 M4 10.79 dBV/m	Grid 6 M4 10.1 dBV/m
Grid 7 M4 14.38 dBV/m	Grid 8 M4 13.85 dBV/m	Grid 9 M4 12.93 dBV/m



0 dB = 6.584 V/m = 16.37 dBV/m