

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 = 40.76 V/m; Power Drift = -0.04 dB

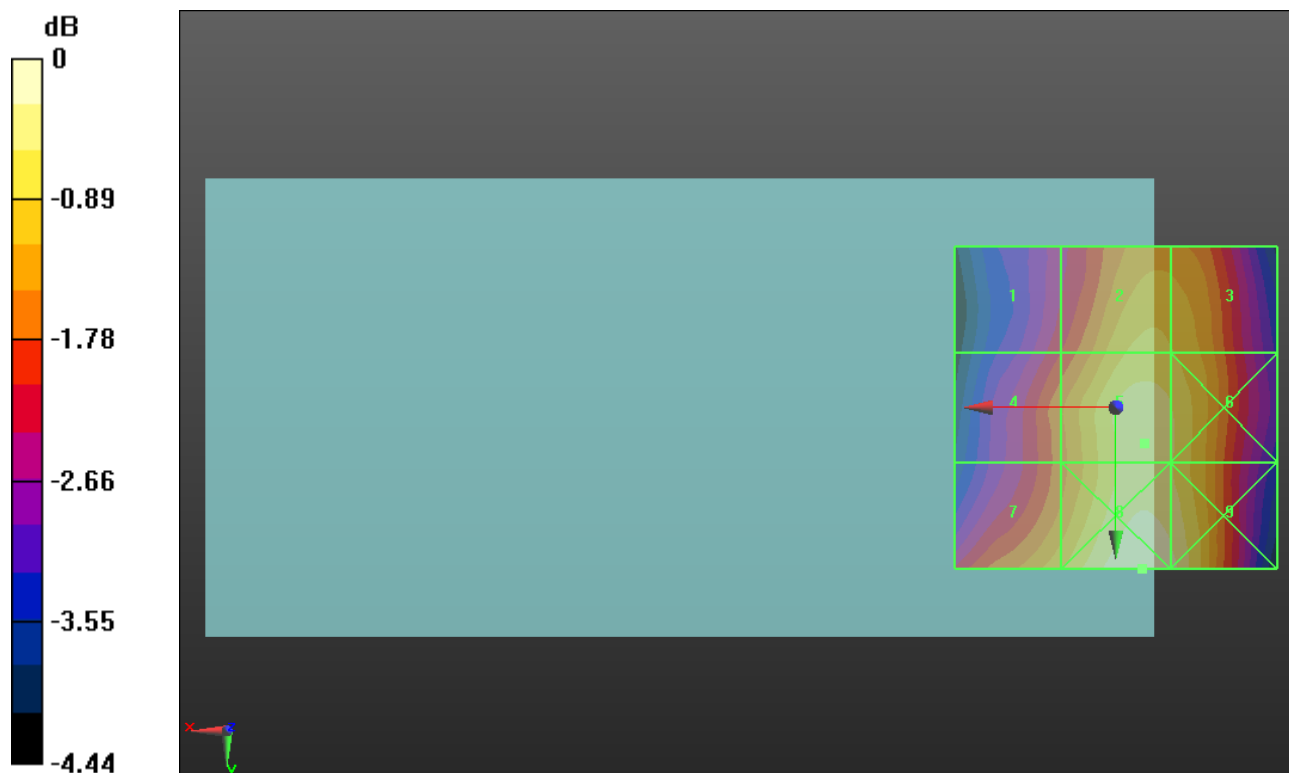
Applied MIF = 3.63 dB

RF audio interference level = 33.22 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 31.52 dBV/m	Grid 2 M4 32.82 dBV/m	Grid 3 M4 32.73 dBV/m
Grid 4 M4 32.08 dBV/m	Grid 5 M4 33.22 dBV/m	Grid 6 M4 33.04 dBV/m
Grid 7 M4 32.66 dBV/m	Grid 8 M4 33.58 dBV/m	Grid 9 M4 33.4 dBV/m



0 dB = 47.77 V/m = 33.58 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 = 42.94 V/m; Power Drift = 0.01 dB

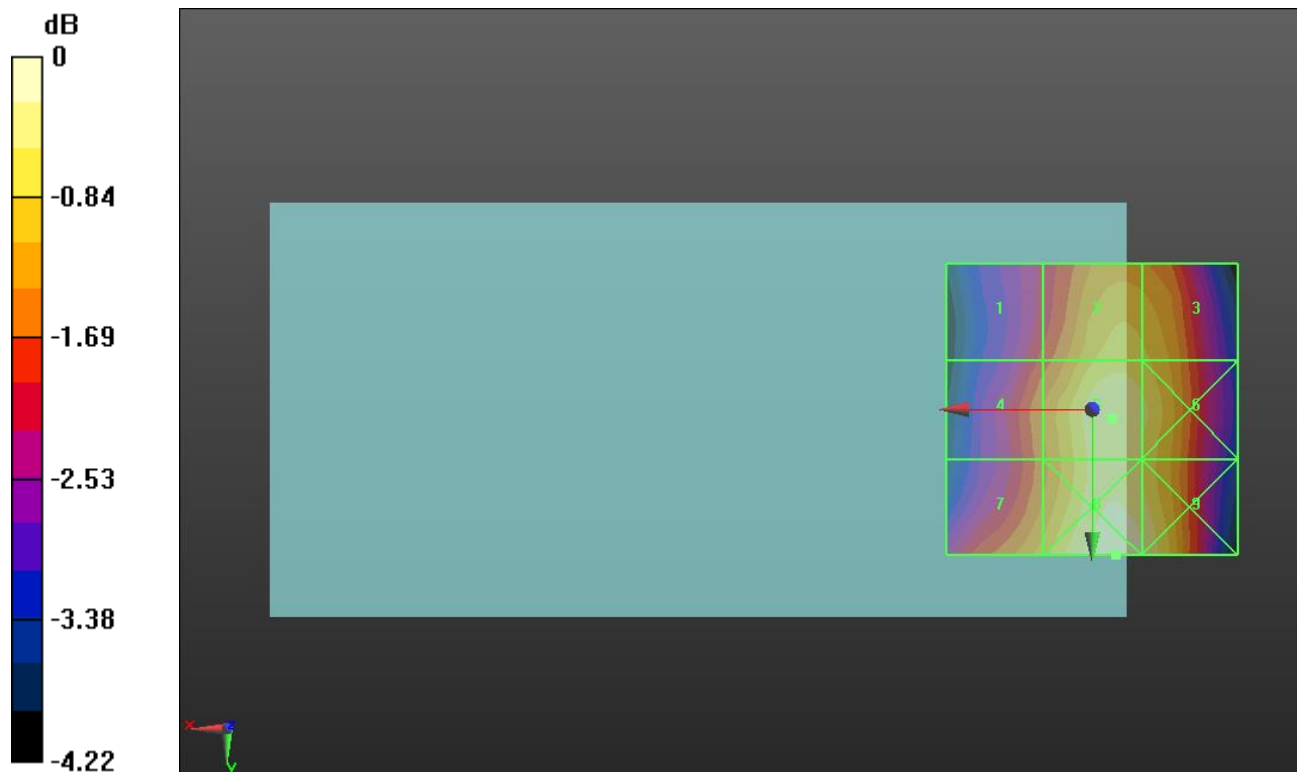
Applied MIF = 3.63 dB

RF audio interference level = 33.60 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 32.04 dBV/m	Grid 2 M4 33.19 dBV/m	Grid 3 M4 33.13 dBV/m
Grid 4 M4 32.51 dBV/m	Grid 5 M4 33.6 dBV/m	Grid 6 M4 33.41 dBV/m
Grid 7 M4 32.94 dBV/m	Grid 8 M4 33.88 dBV/m	Grid 9 M4 33.7 dBV/m



0 dB = 49.45 V/m = 33.88 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 = 39.63 V/m; Power Drift = -0.05 dB

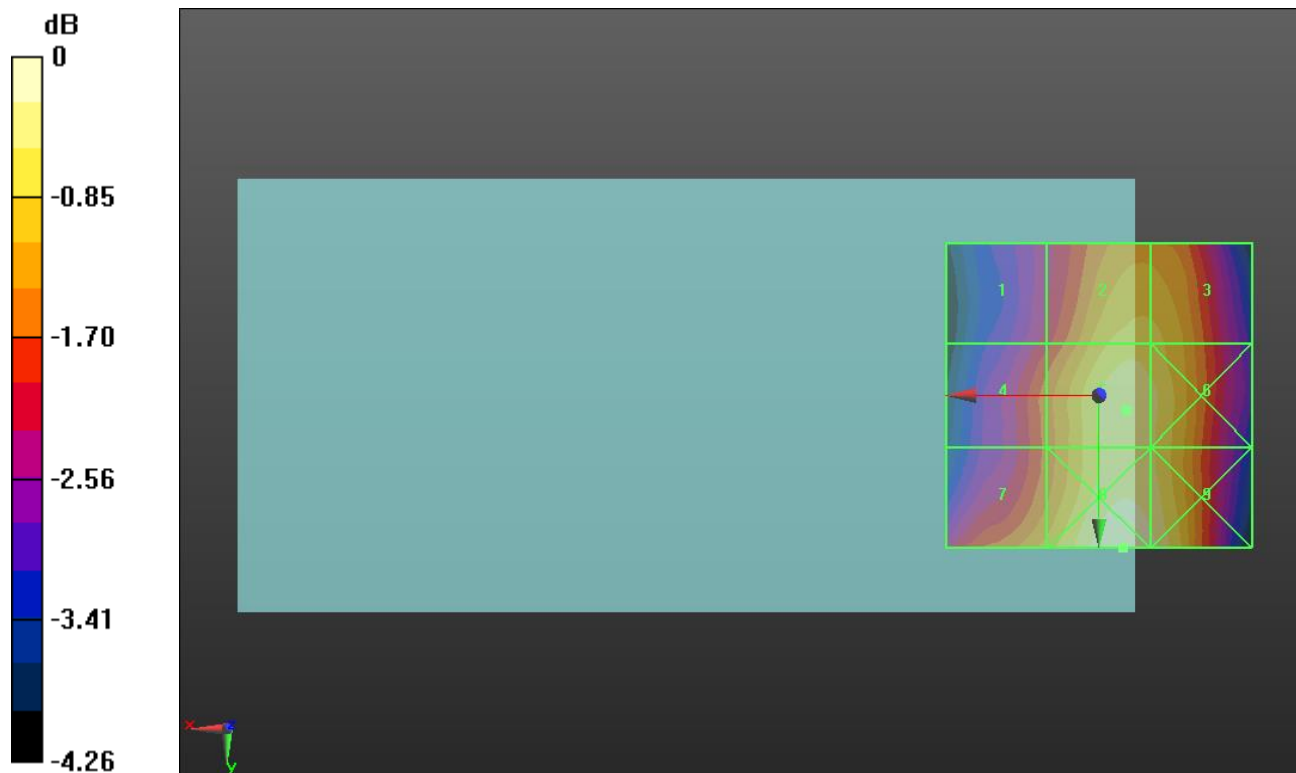
Applied MIF = 3.63 dB

RF audio interference level = 32.95 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 31.24 dBV/m	Grid 2 M4 32.61 dBV/m	Grid 3 M4 32.58 dBV/m
Grid 4 M4 31.79 dBV/m	Grid 5 M4 32.95 dBV/m	Grid 6 M4 32.83 dBV/m
Grid 7 M4 32.34 dBV/m	Grid 8 M4 33.31 dBV/m	Grid 9 M4 33.14 dBV/m



0 dB = 46.29 V/m = 33.31 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 = 12.66 V/m; Power Drift = 0.10 dB

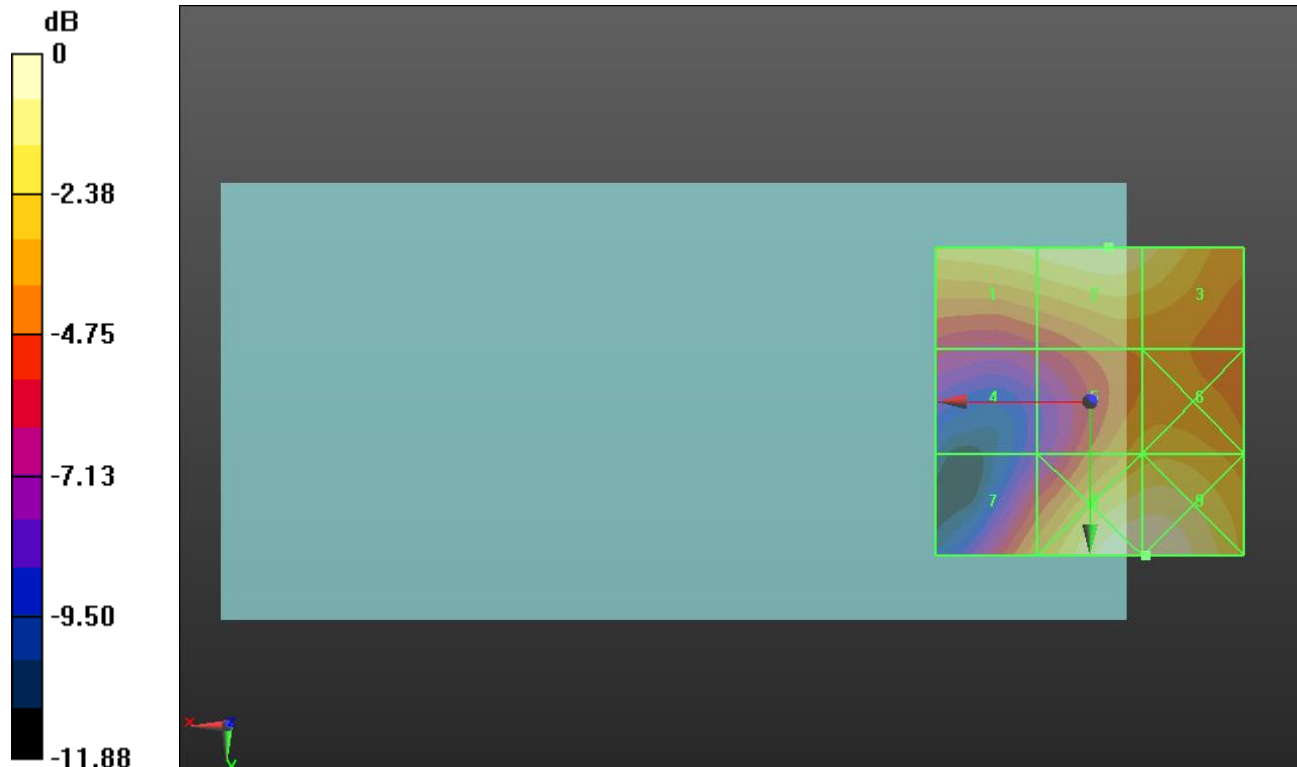
Applied MIF = 3.63 dB

RF audio interference level = 29.22 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 28.68 dBV/m	Grid 2 M4 29.22 dBV/m	Grid 3 M4 28.71 dBV/m
Grid 4 M4 24.08 dBV/m	Grid 5 M4 27.21 dBV/m	Grid 6 M4 27.41 dBV/m
Grid 7 M4 26.72 dBV/m	Grid 8 M4 29.9 dBV/m	Grid 9 M4 29.9 dBV/m



0 dB = 31.26 V/m = 29.90 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 = 12.73 V/m; Power Drift = -0.06 dB

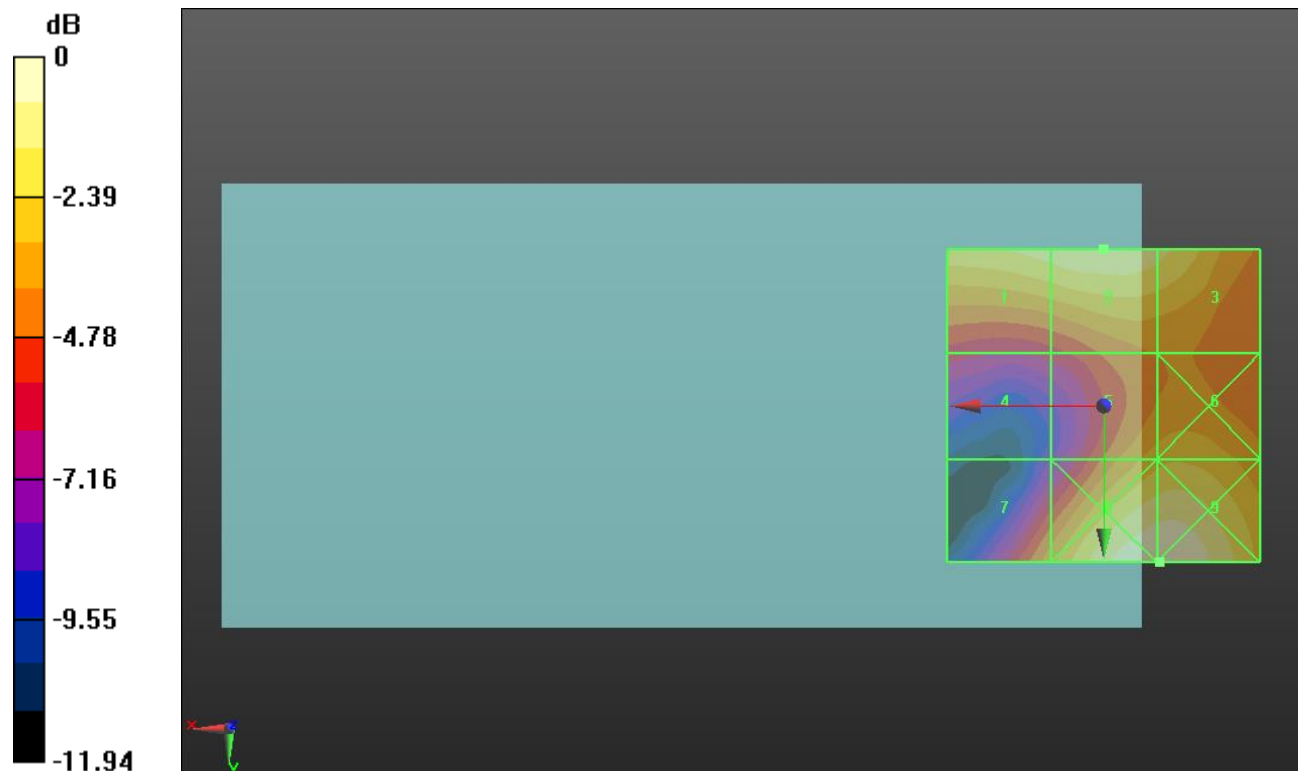
Applied MIF = 3.63 dB

RF audio interference level = 28.87 dBV/m

Emission category: **M4**

MIF scaled E-field

Grid 1 M4 28.43 dBV/m	Grid 2 M4 28.87 dBV/m	Grid 3 M4 28.33 dBV/m
Grid 4 M4 23.72 dBV/m	Grid 5 M4 26.89 dBV/m	Grid 6 M4 27.14 dBV/m
Grid 7 M4 26.2 dBV/m	Grid 8 M4 29.59 dBV/m	Grid 9 M4 29.59 dBV/m



0 dB = 30.17 V/m = 29.59 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 = 12.77 V/m; Power Drift = -0.01 dB

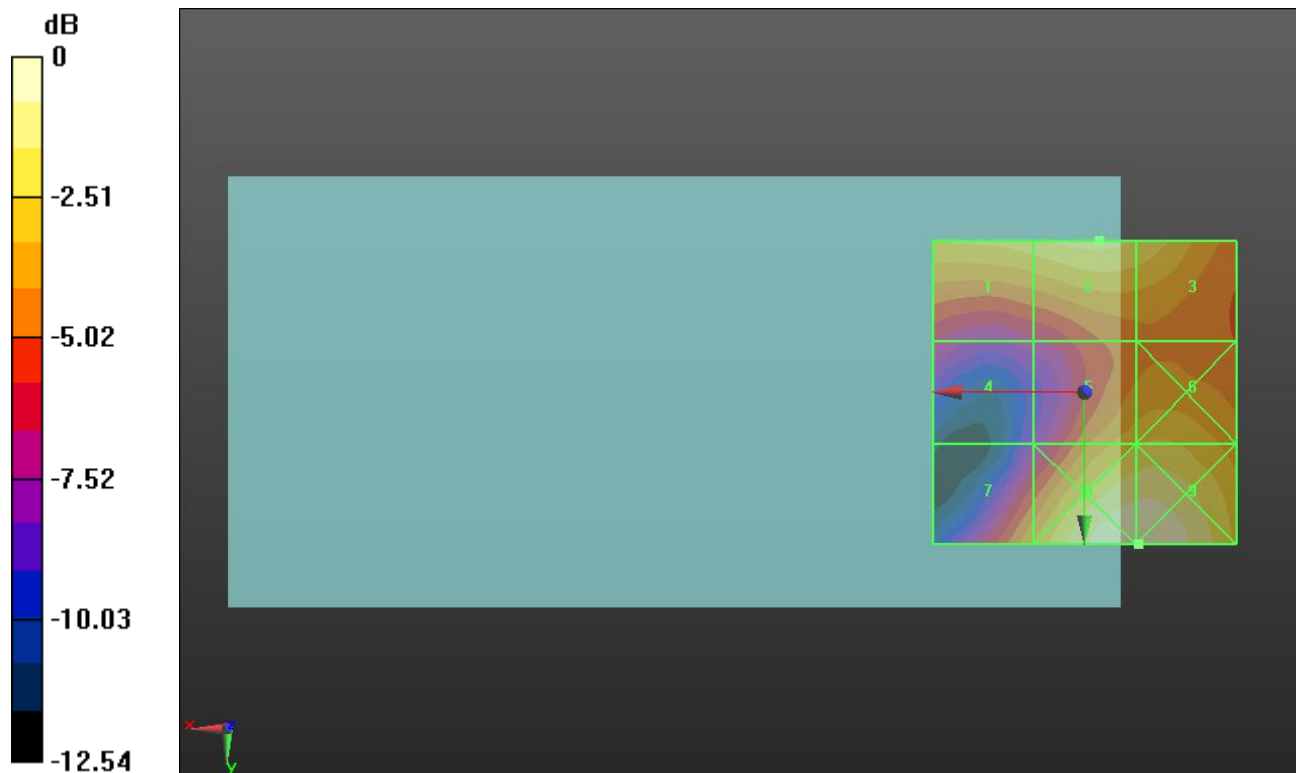
Applied MIF = 3.63 dB

RF audio interference level = 28.51 dBV/m

Emission category: **M4**

MIF scaled E-field

Grid 1 M4 27.96 dBV/m	Grid 2 M4 28.51 dBV/m	Grid 3 M4 28.15 dBV/m
Grid 4 M4 23.39 dBV/m	Grid 5 M4 27.28 dBV/m	Grid 6 M4 27.52 dBV/m
Grid 7 M4 26.59 dBV/m	Grid 8 M4 29.87 dBV/m	Grid 9 M4 29.87 dBV/m



0 dB = 31.15 V/m = 29.87 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 = 20.14 V/m; Power Drift = -0.01 dB

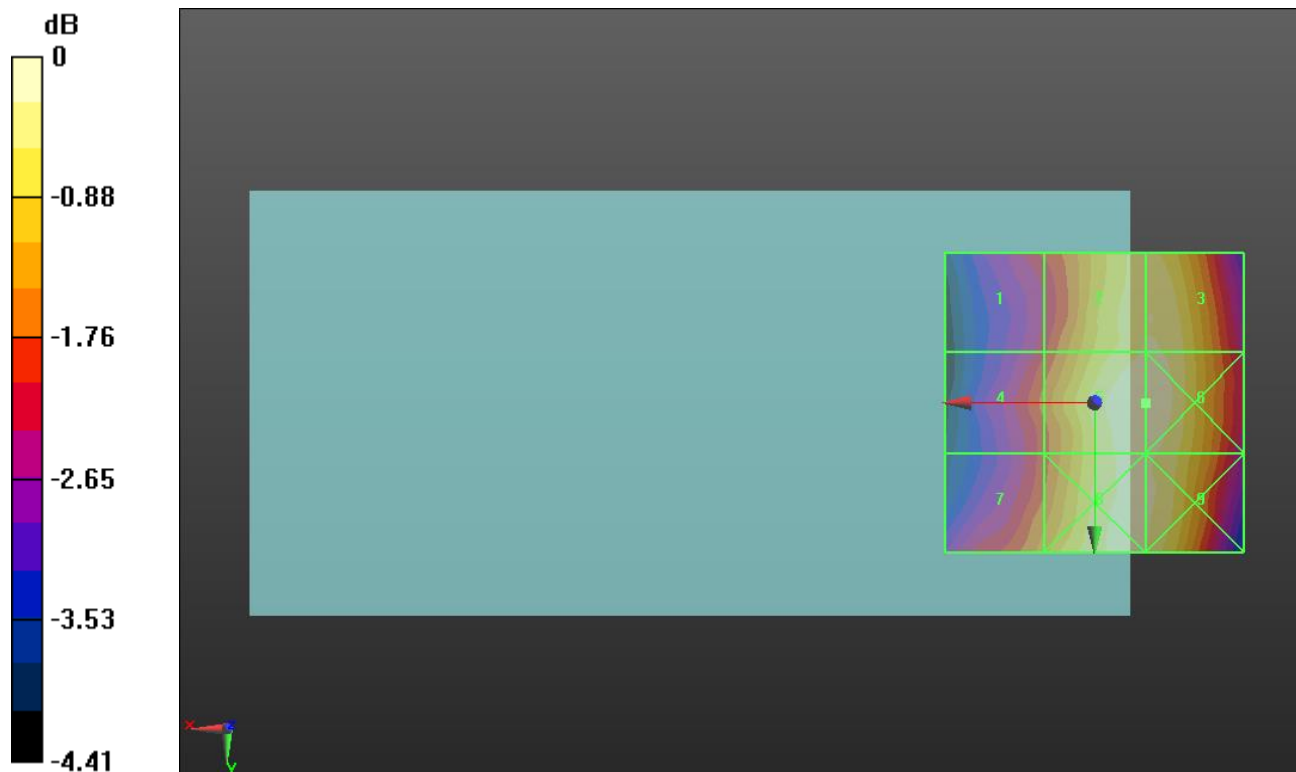
Applied MIF = 3.26 dB

RF audio interference level = 27.20 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 25.21 dBV/m	Grid 2 M4 26.94 dBV/m	Grid 3 M4 26.96 dBV/m
Grid 4 M4 25.54 dBV/m	Grid 5 M4 27.2 dBV/m	Grid 6 M4 27.2 dBV/m
Grid 7 M4 25.91 dBV/m	Grid 8 M4 27.02 dBV/m	Grid 9 M4 26.99 dBV/m



0 dB = 22.90 V/m = 27.20 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 = 21.58 V/m; Power Drift = -0.11 dB

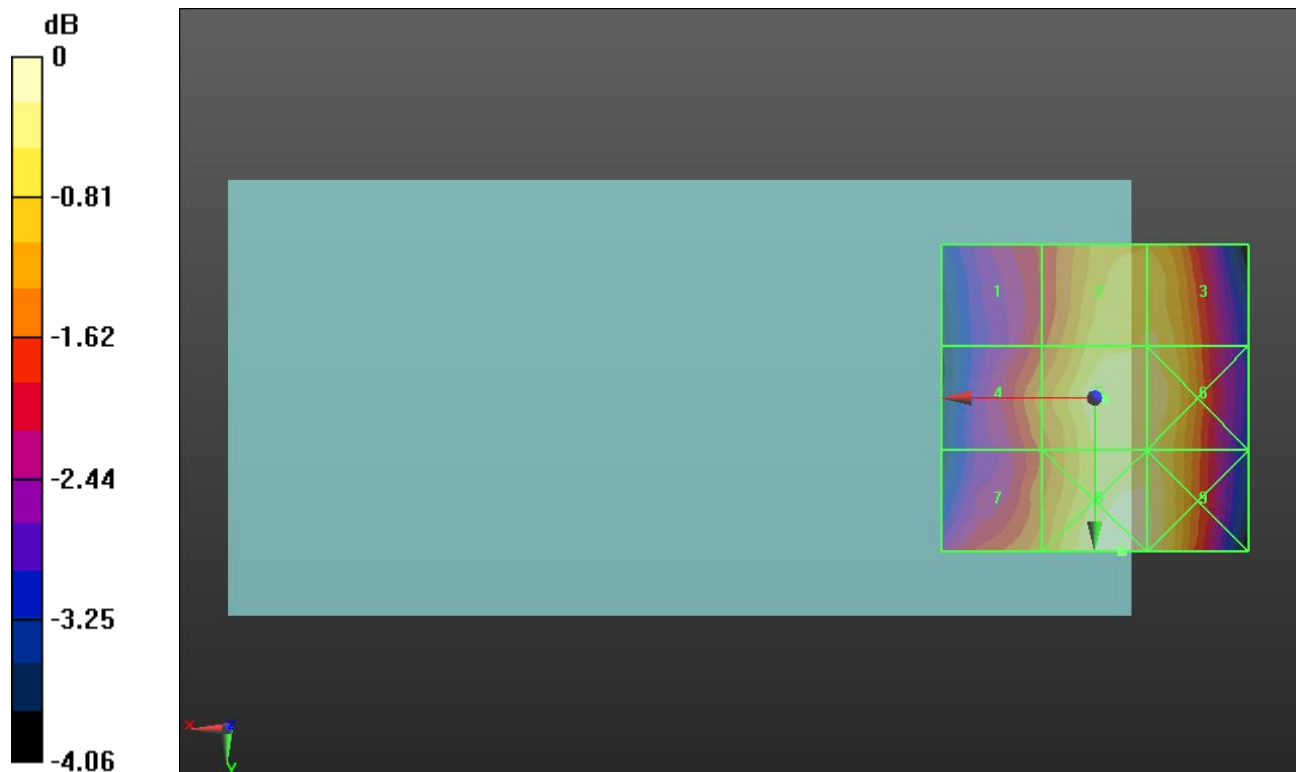
Applied MIF = 3.26 dB

RF audio interference level = 27.20 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 25.78 dBV/m	Grid 2 M4 26.99 dBV/m	Grid 3 M4 26.99 dBV/m
Grid 4 M4 26.25 dBV/m	Grid 5 M4 27.2 dBV/m	Grid 6 M4 27.19 dBV/m
Grid 7 M4 26.34 dBV/m	Grid 8 M4 27.47 dBV/m	Grid 9 M4 27.28 dBV/m



0 dB = 23.63 V/m = 27.47 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 = 21.43 V/m; Power Drift = -0.06 dB

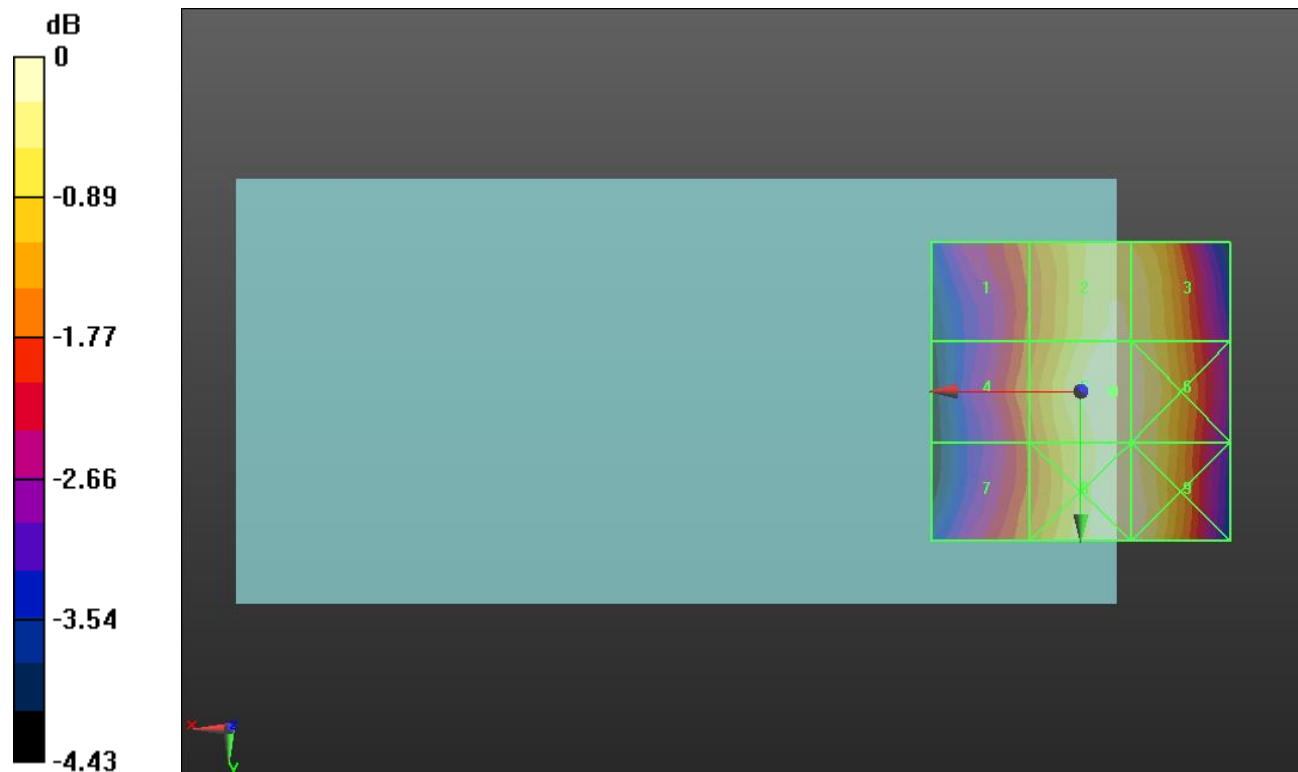
Applied MIF = 3.26 dB

RF audio interference level = 27.56 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 26.03 dBV/m	Grid 2 M4 27.35 dBV/m	Grid 3 M4 27.28 dBV/m
Grid 4 M4 26.19 dBV/m	Grid 5 M4 27.56 dBV/m	Grid 6 M4 27.45 dBV/m
Grid 7 M4 26.14 dBV/m	Grid 8 M4 27.54 dBV/m	Grid 9 M4 27.5 dBV/m



0 dB = 23.88 V/m = 27.56 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 = 20.91 V/m; Power Drift = -0.01 dB

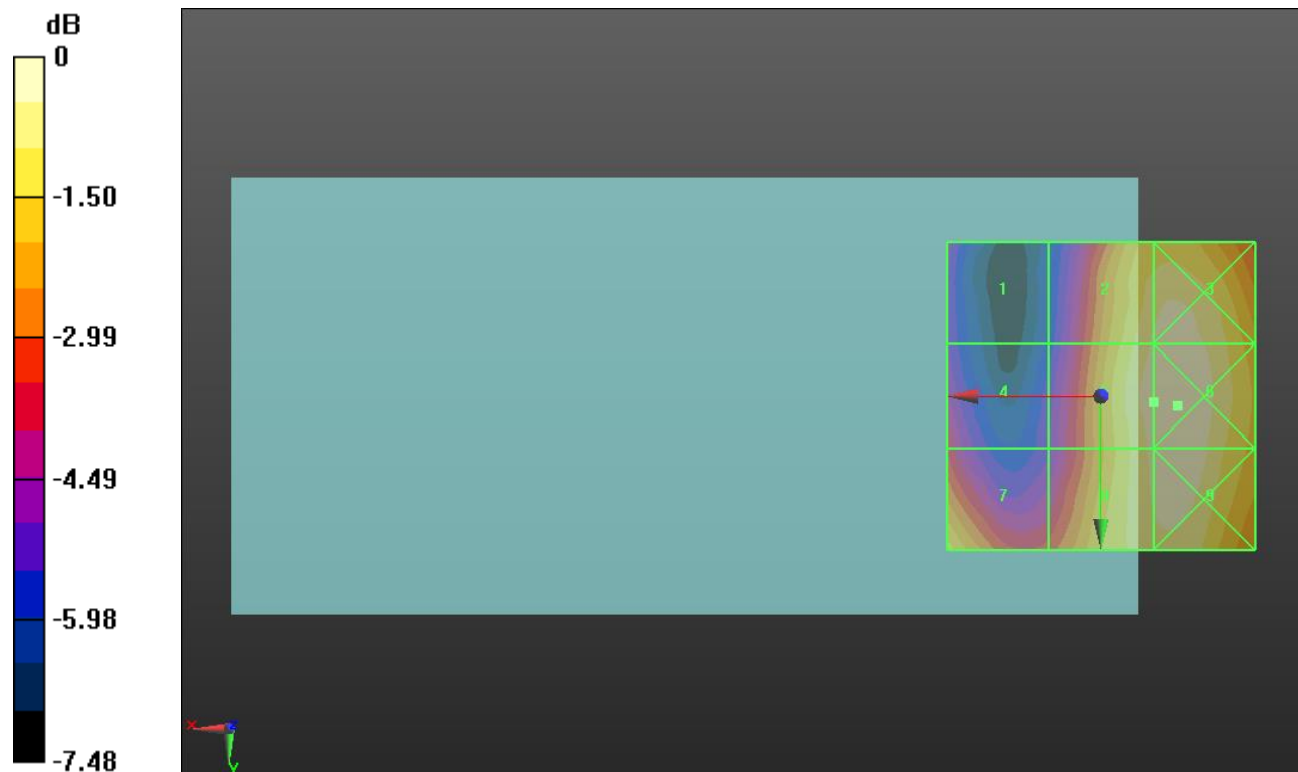
Applied MIF = 3.26 dB

RF audio interference level = 29.41 dBV/m

Emission category: **M4**

MIF scaled E-field

Grid 1 M4 25.09 dBV/m	Grid 2 M4 29.23 dBV/m	Grid 3 M4 29.46 dBV/m
Grid 4 M4 26.14 dBV/m	Grid 5 M4 29.41 dBV/m	Grid 6 M4 29.65 dBV/m
Grid 7 M4 28.47 dBV/m	Grid 8 M4 29.27 dBV/m	Grid 9 M4 29.55 dBV/m



0 dB = 30.37 V/m = 29.65 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 = 21.44 V/m; Power Drift = -0.04 dB

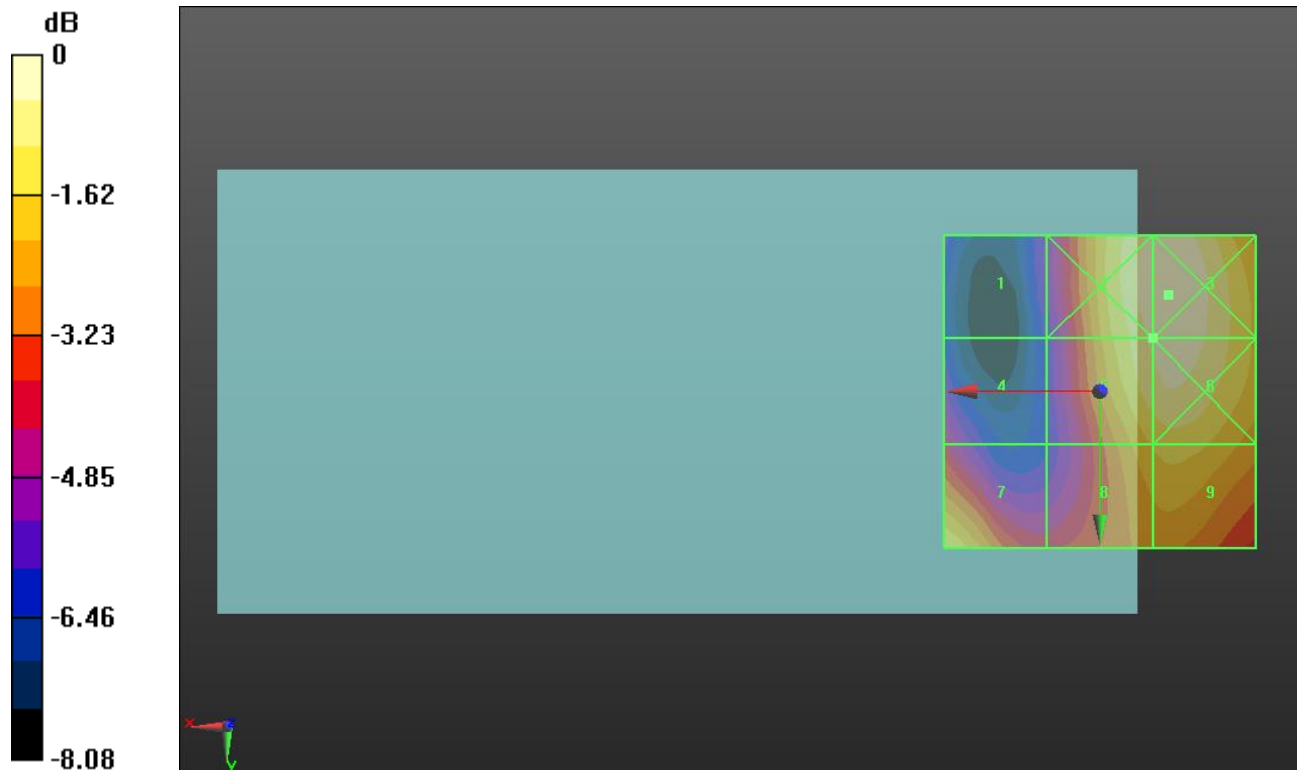
Applied MIF = 3.26 dB

RF audio interference level = 30.01 dBV/m

Emission category: **M3**

MIF scaled E-field

Grid 1 M4 25.21 dBV/m	Grid 2 M3 30.21 dBV/m	Grid 3 M3 30.38 dBV/m
Grid 4 M4 26.35 dBV/m	Grid 5 M3 30.01 dBV/m	Grid 6 M3 30.21 dBV/m
Grid 7 M4 29.44 dBV/m	Grid 8 M4 28.83 dBV/m	Grid 9 M4 29.05 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: 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 = 18.44 V/m; Power Drift = 0.03 dB

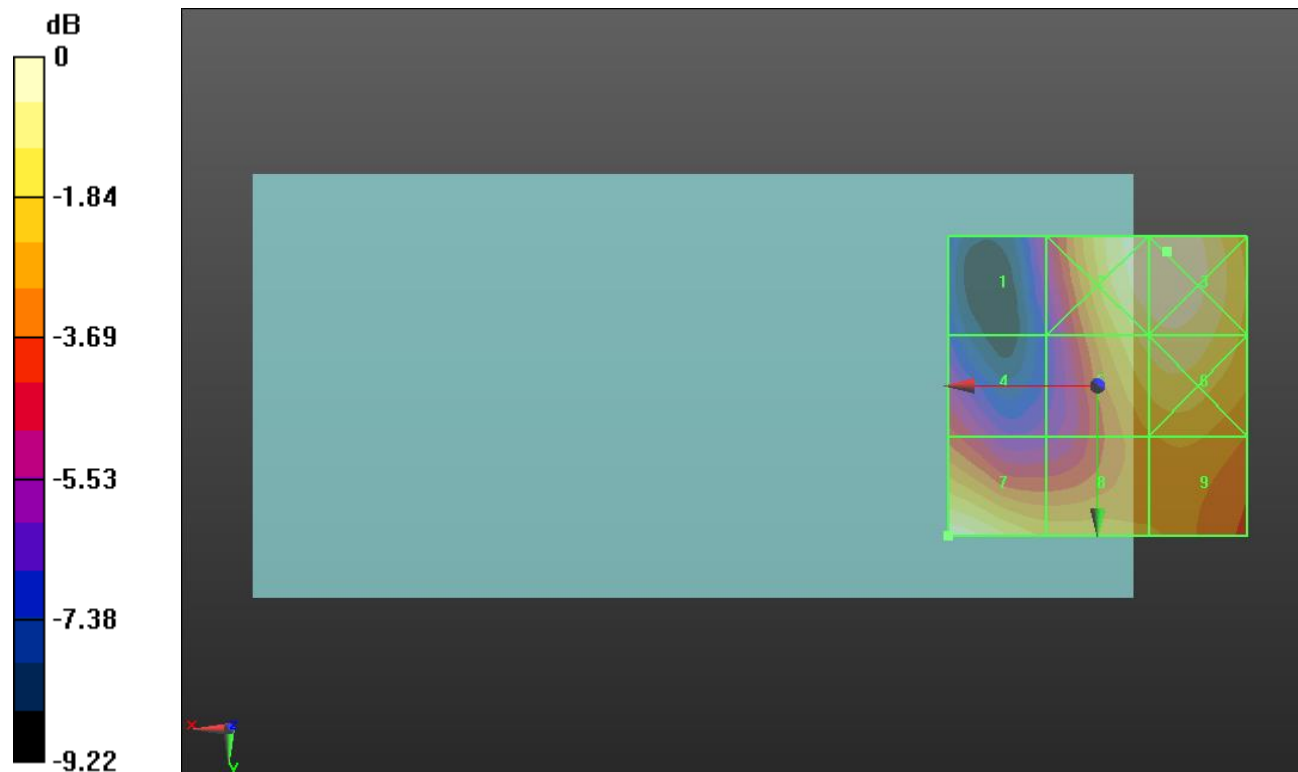
Applied MIF = 3.26 dB

RF audio interference level = 29.93 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 24.97 dBV/m	Grid 2 M4 29.97 dBV/m	Grid 3 M3 30.06 dBV/m
Grid 4 M4 26.18 dBV/m	Grid 5 M4 29.12 dBV/m	Grid 6 M4 29.36 dBV/m
Grid 7 M4 29.93 dBV/m	Grid 8 M4 28.15 dBV/m	Grid 9 M4 27.76 dBV/m



0 dB = 31.84 V/m = 30.06 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 = 53.33 V/m; Power Drift = -0.12 dB

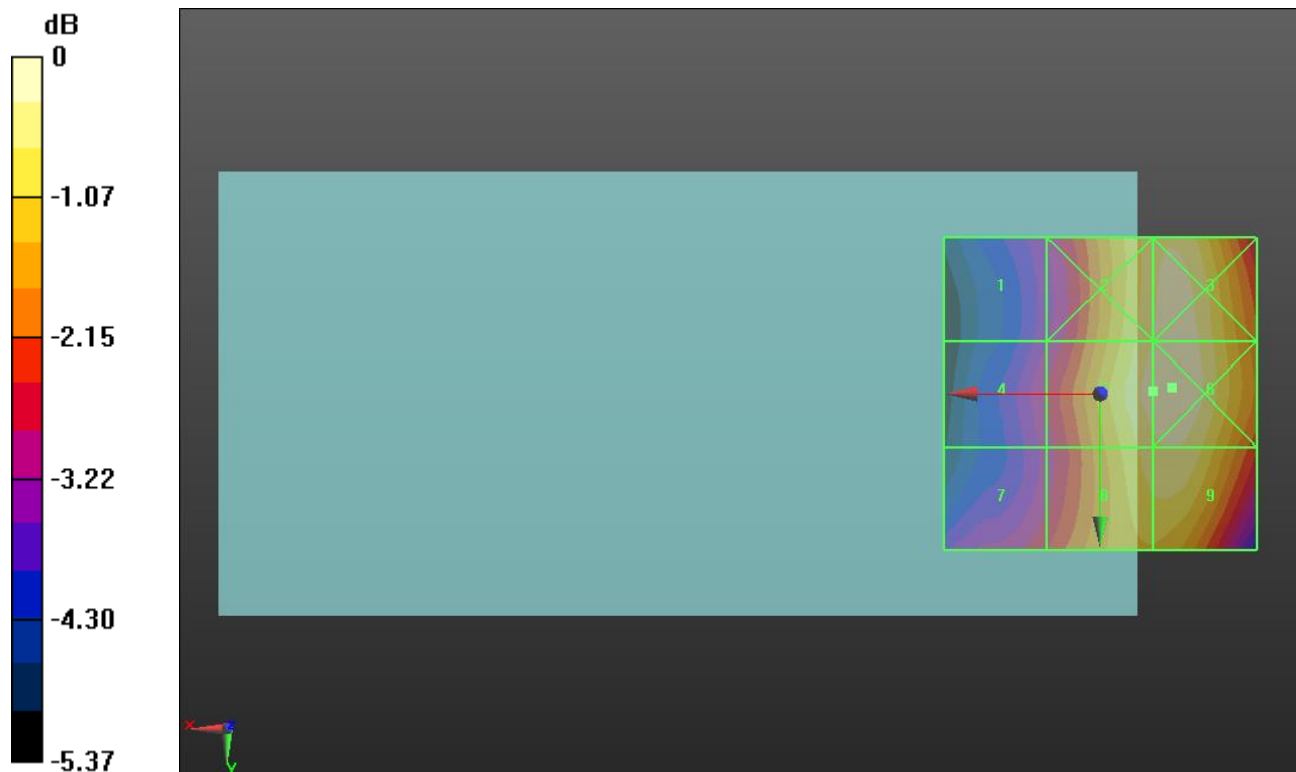
Applied MIF = 3.26 dB

RF audio interference level = 35.96 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 32.94 dBV/m	Grid 2 M4 35.77 dBV/m	Grid 3 M4 35.95 dBV/m
Grid 4 M4 33.31 dBV/m	Grid 5 M4 35.96 dBV/m	Grid 6 M4 36.09 dBV/m
Grid 7 M4 33.62 dBV/m	Grid 8 M4 35.65 dBV/m	Grid 9 M4 35.75 dBV/m



0 dB = 63.79 V/m = 36.10 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 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 = 54.79 V/m; Power Drift = 0.02 dB

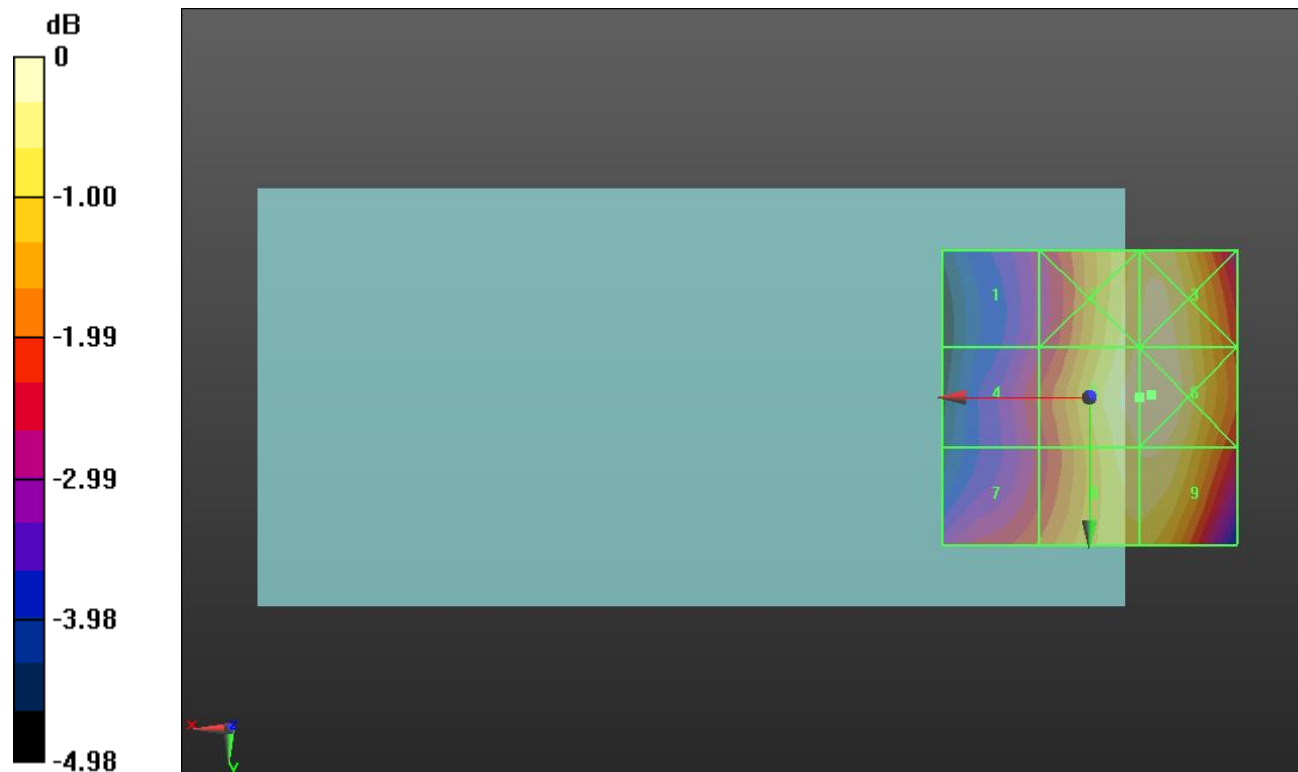
Applied MIF = 3.26 dB

RF audio interference level = 35.97 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 33.29 dBV/m	Grid 2 M4 35.77 dBV/m	Grid 3 M4 35.86 dBV/m
Grid 4 M4 33.76 dBV/m	Grid 5 M4 35.97 dBV/m	Grid 6 M4 36.03 dBV/m
Grid 7 M4 34.12 dBV/m	Grid 8 M4 35.71 dBV/m	Grid 9 M4 35.75 dBV/m



0 dB = 63.28 V/m = 36.03 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 = 57.73 V/m; Power Drift = -0.05 dB

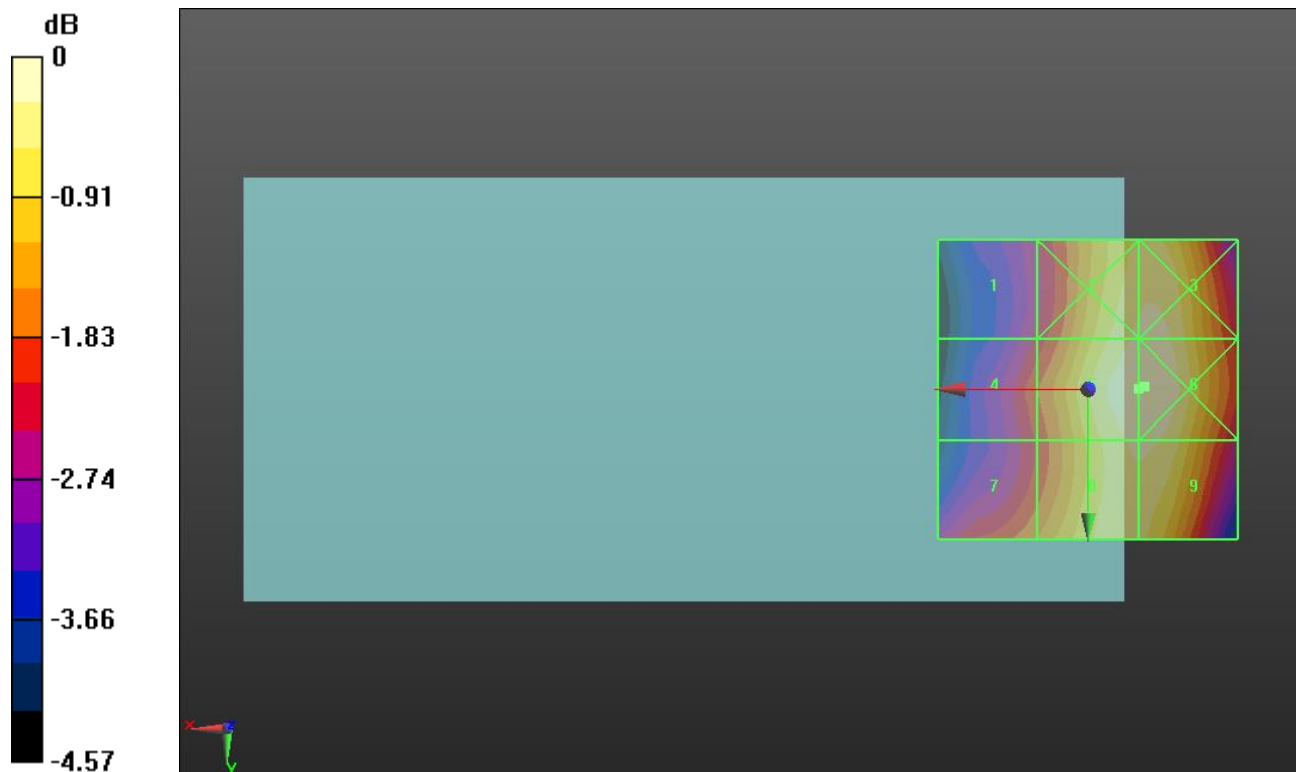
Applied MIF = 3.26 dB

RF audio interference level = 35.97 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 33.66 dBV/m	Grid 2 M4 35.77 dBV/m	Grid 3 M4 35.8 dBV/m
Grid 4 M4 34.14 dBV/m	Grid 5 M4 35.97 dBV/m	Grid 6 M4 35.98 dBV/m
Grid 7 M4 34.49 dBV/m	Grid 8 M4 35.75 dBV/m	Grid 9 M4 35.75 dBV/m



0 dB = 62.97 V/m = 35.98 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 = 8.797 V/m; Power Drift = 0.06 dB

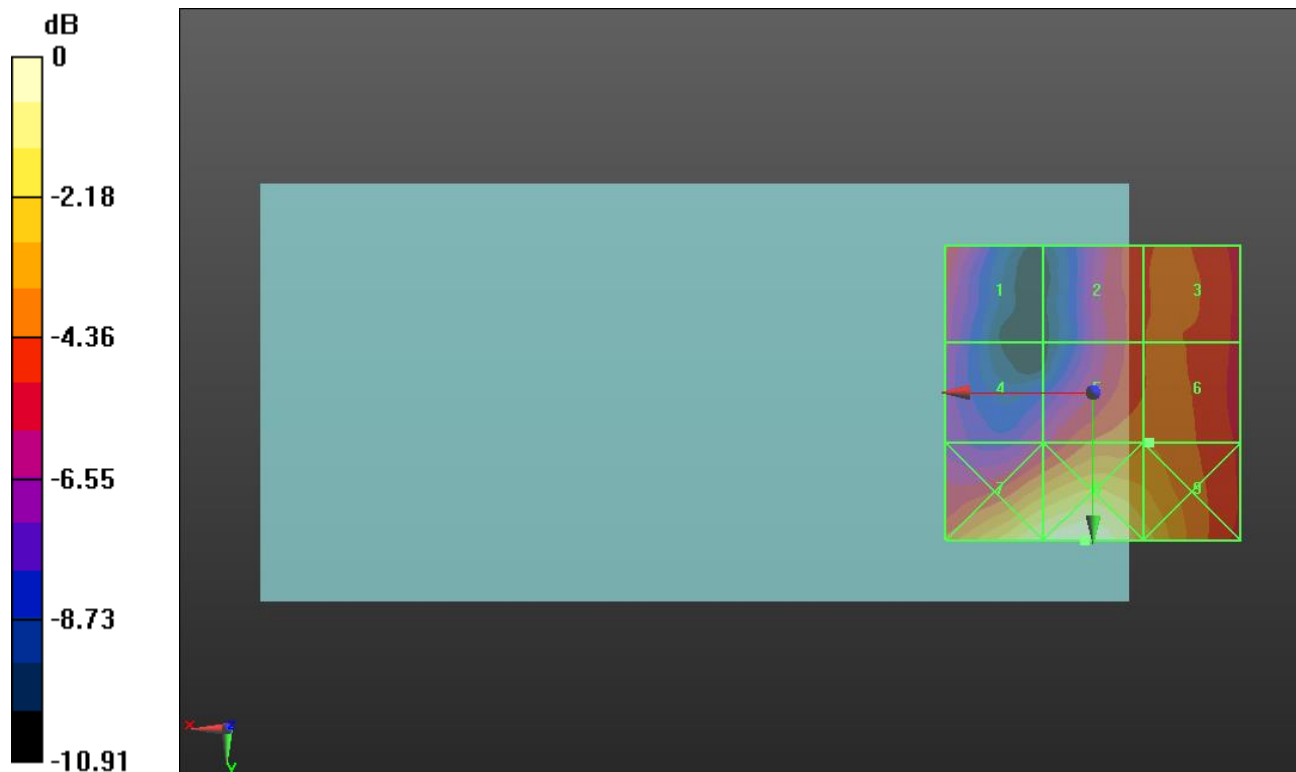
Applied MIF = -1.44 dB

RF audio interference level = 17.35 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 16.23 dBV/m	Grid 2 M4 16.65 dBV/m	Grid 3 M4 17.01 dBV/m
Grid 4 M4 15.05 dBV/m	Grid 5 M4 17.32 dBV/m	Grid 6 M4 17.35 dBV/m
Grid 7 M4 20.57 dBV/m	Grid 8 M4 21.07 dBV/m	Grid 9 M4 19.37 dBV/m



0 dB = 11.31 V/m = 21.07 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 = 14.07 V/m; Power Drift = 0.07 dB

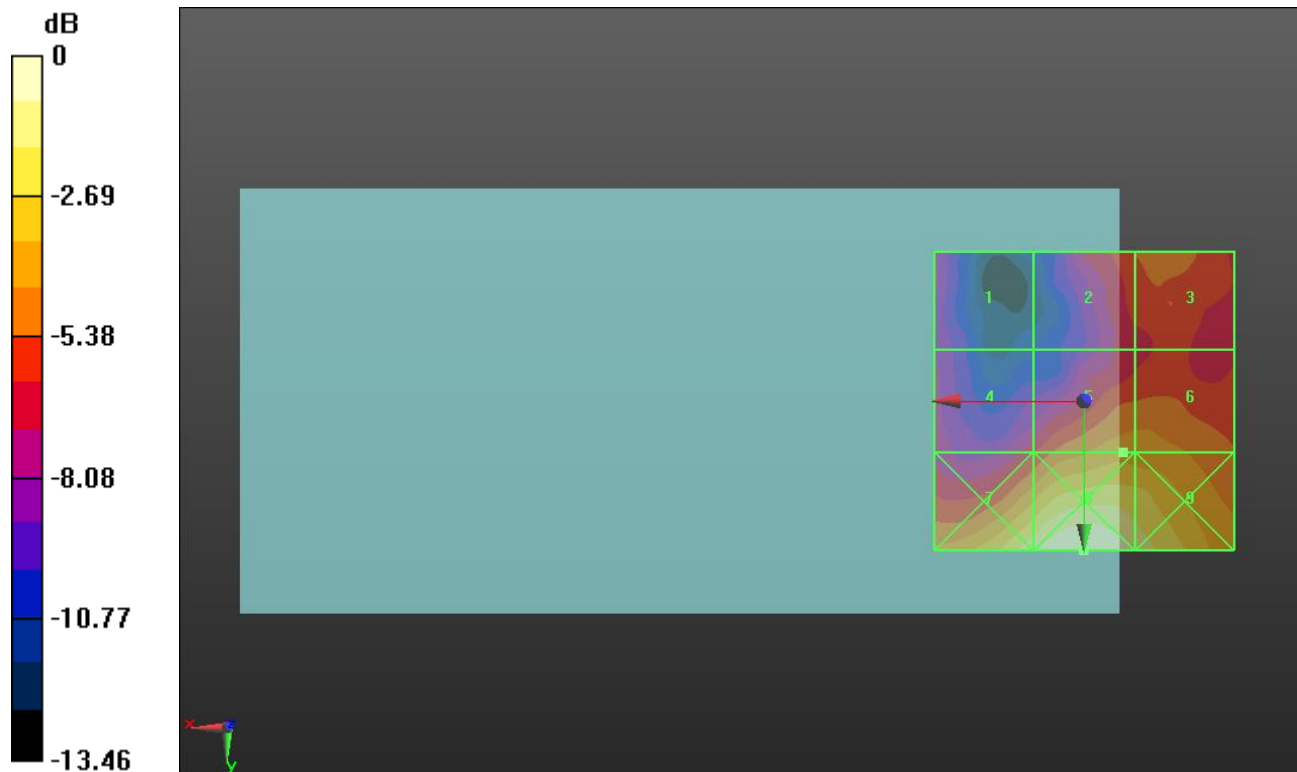
Applied MIF = -1.44 dB

RF audio interference level = 17.79 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 13.96 dBV/m	Grid 2 M4 16.43 dBV/m	Grid 3 M4 16.76 dBV/m
Grid 4 M4 15.28 dBV/m	Grid 5 M4 17.79 dBV/m	Grid 6 M4 17.72 dBV/m
Grid 7 M4 20.64 dBV/m	Grid 8 M4 21.72 dBV/m	Grid 9 M4 20.62 dBV/m



0 dB = 12.19 V/m = 21.72 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 = 10.73 V/m; Power Drift = 0.16 dB

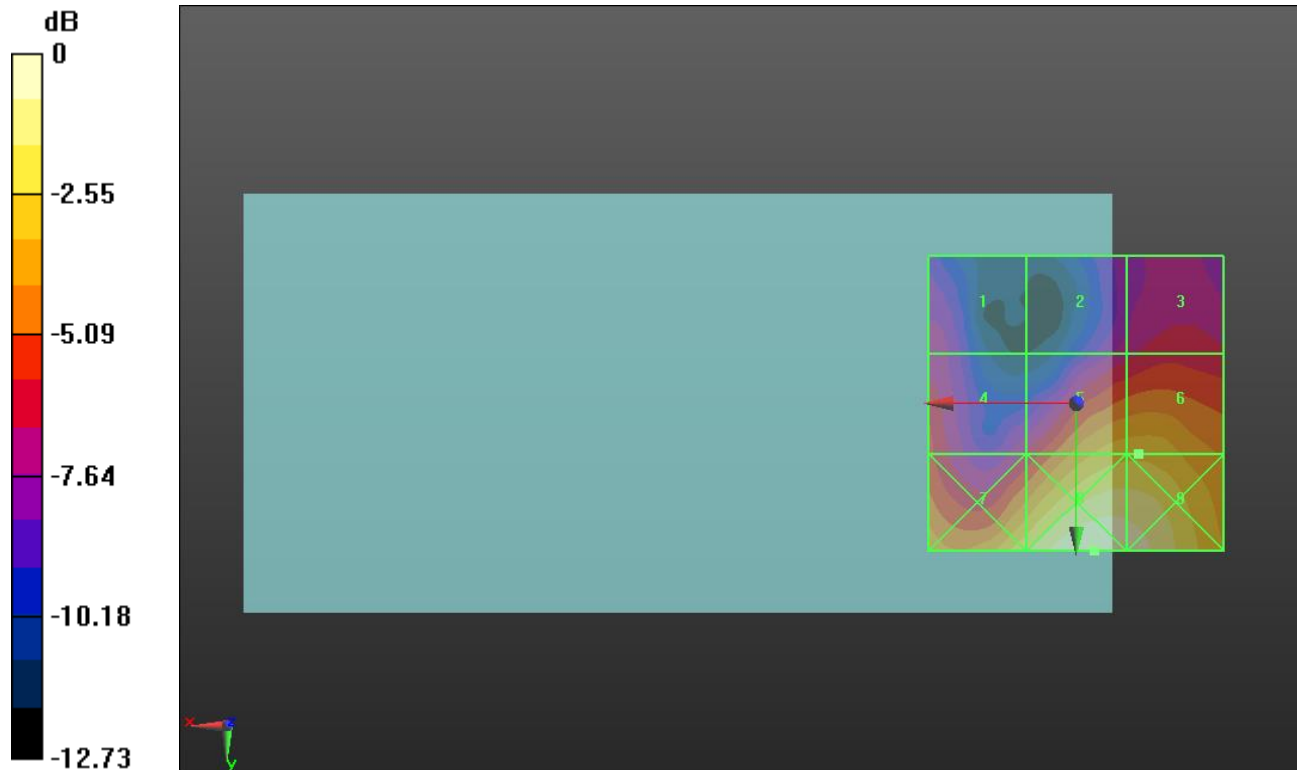
Applied MIF = -1.44 dB

RF audio interference level = 21.09 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 16.92 dBV/m	Grid 2 M4 16.8 dBV/m	Grid 3 M4 17.65 dBV/m
Grid 4 M4 18.26 dBV/m	Grid 5 M4 21.06 dBV/m	Grid 6 M4 21.09 dBV/m
Grid 7 M4 22.14 dBV/m	Grid 8 M4 23.86 dBV/m	Grid 9 M4 23.6 dBV/m



0 dB = 15.59 V/m = 23.86 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 = 11.74 V/m; Power Drift = -0.12 dB

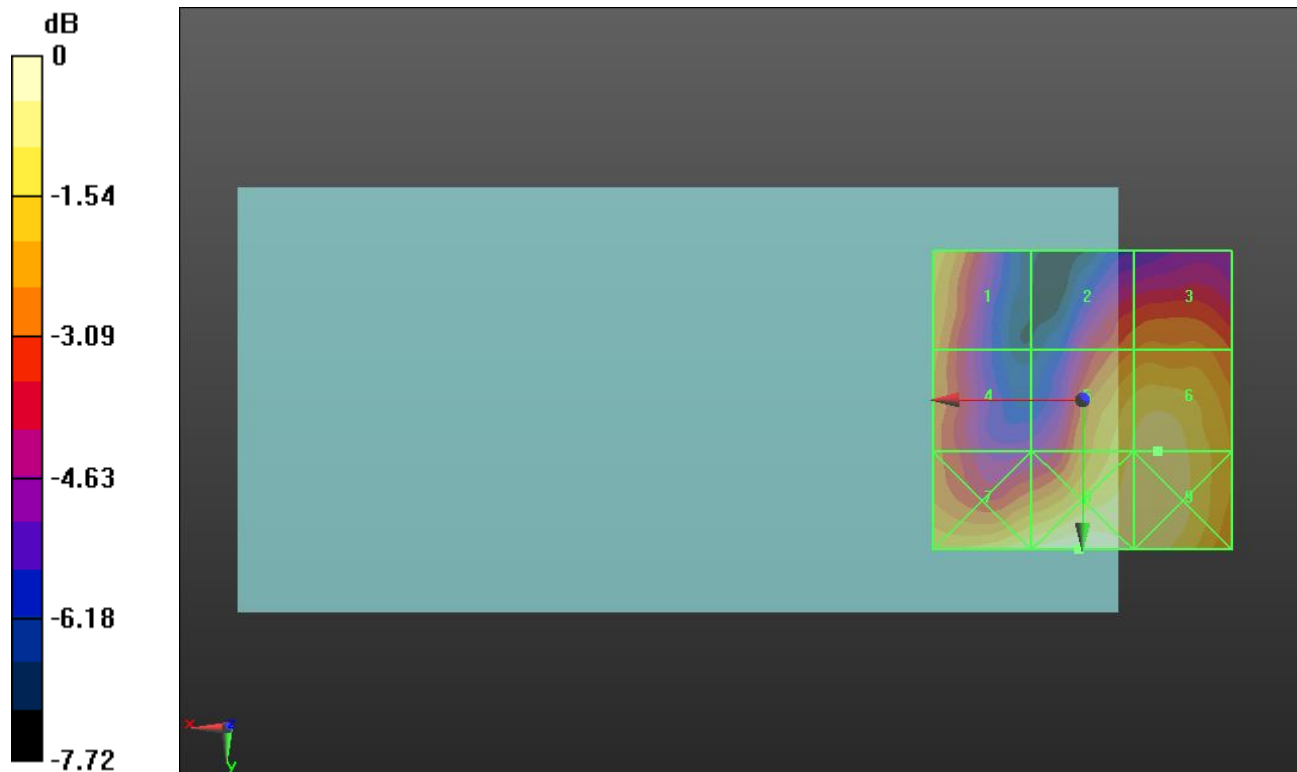
Applied MIF = -1.44 dB

RF audio interference level = 20.12 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 19.06 dBV/m	Grid 2 M4 18.21 dBV/m	Grid 3 M4 18.43 dBV/m
Grid 4 M4 18.51 dBV/m	Grid 5 M4 19.87 dBV/m	Grid 6 M4 20.12 dBV/m
Grid 7 M4 20.35 dBV/m	Grid 8 M4 20.81 dBV/m	Grid 9 M4 20.25 dBV/m



0 dB = 10.98 V/m = 20.81 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 = 11.76 V/m; Power Drift = -0.01 dB

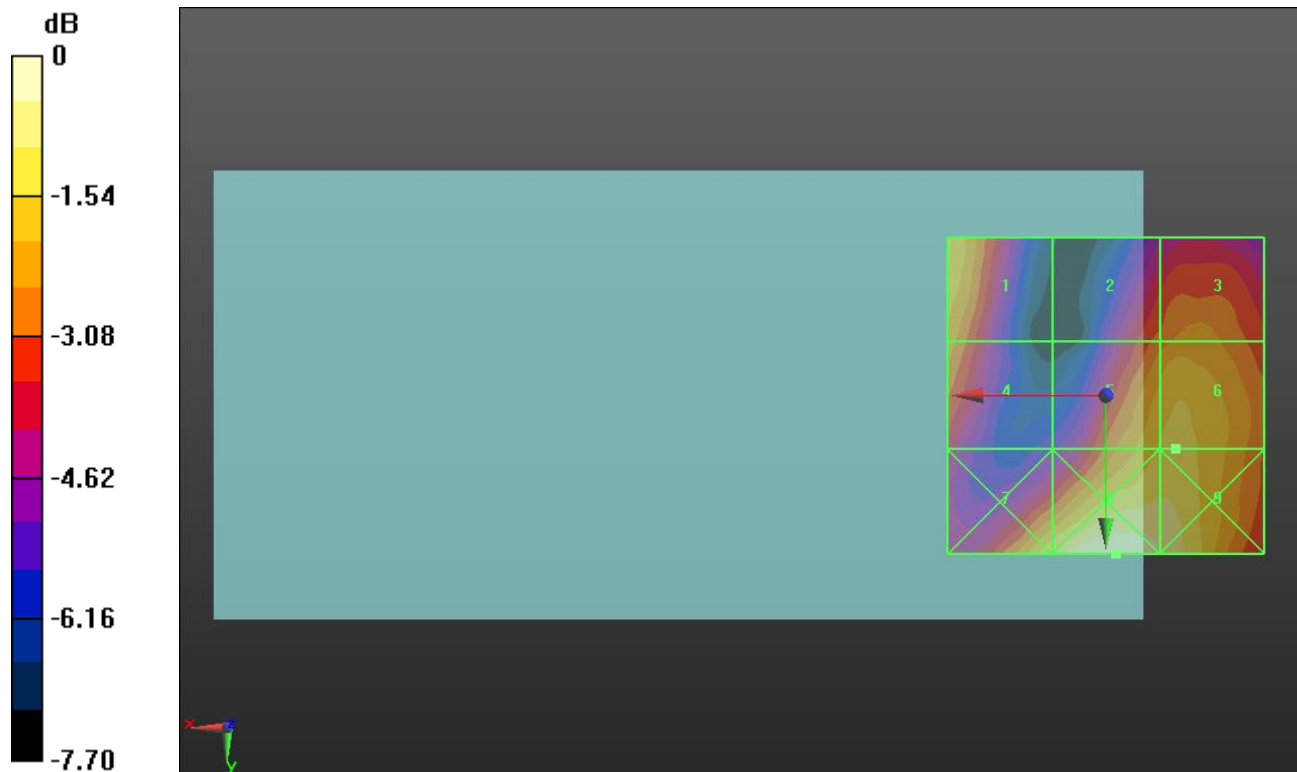
Applied MIF = -1.44 dB

RF audio interference level = 20.30 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 20.11 dBV/m	Grid 2 M4 18.78 dBV/m	Grid 3 M4 19.33 dBV/m
Grid 4 M4 19.35 dBV/m	Grid 5 M4 20.16 dBV/m	Grid 6 M4 20.3 dBV/m
Grid 7 M4 20.64 dBV/m	Grid 8 M4 21.59 dBV/m	Grid 9 M4 21.12 dBV/m



0 dB = 12.01 V/m = 21.59 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 = 11.09 V/m; Power Drift = -0.09 dB

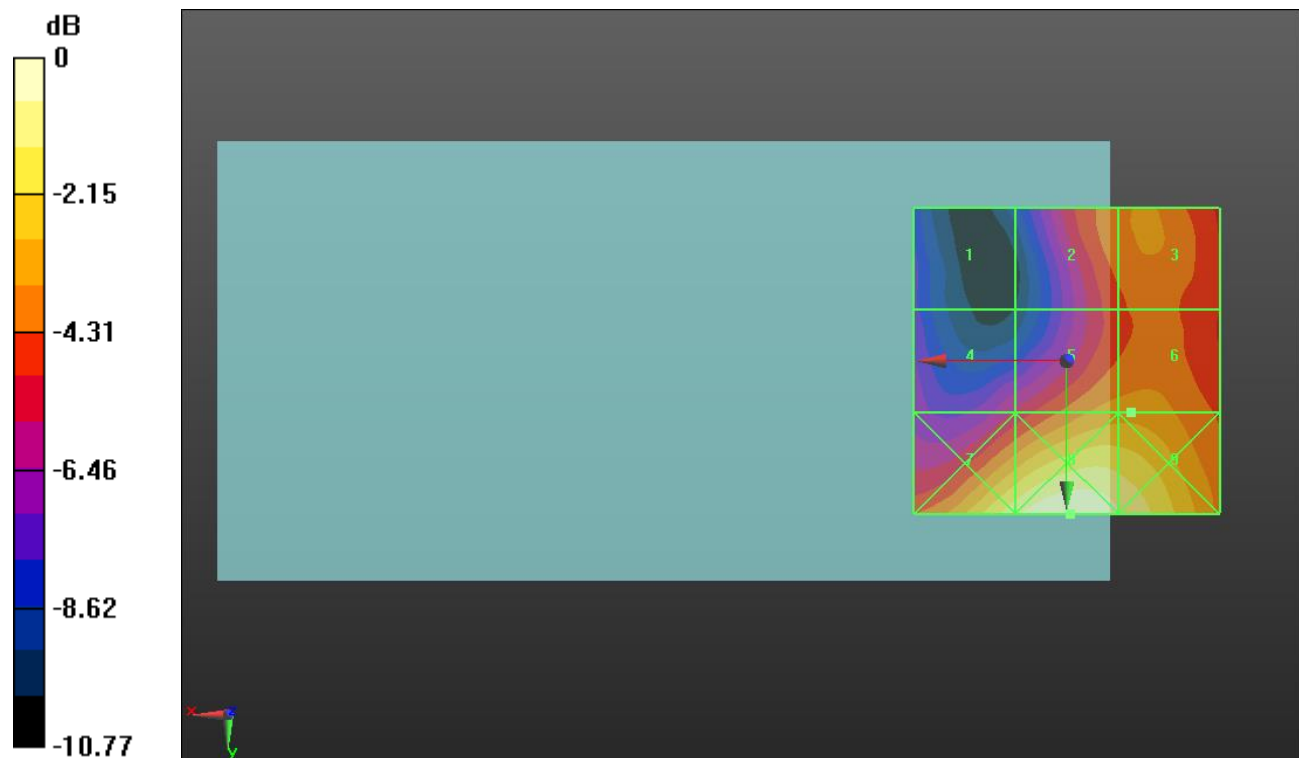
Applied MIF = -1.44 dB

RF audio interference level = 20.84 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 16.4 dBV/m	Grid 2 M4 20.21 dBV/m	Grid 3 M4 20.48 dBV/m
Grid 4 M4 18.38 dBV/m	Grid 5 M4 20.79 dBV/m	Grid 6 M4 20.84 dBV/m
Grid 7 M4 23.07 dBV/m	Grid 8 M4 23.95 dBV/m	Grid 9 M4 23.32 dBV/m



0 dB = 15.76 V/m = 23.95 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 = 9.797 V/m; Power Drift = -0.08 dB

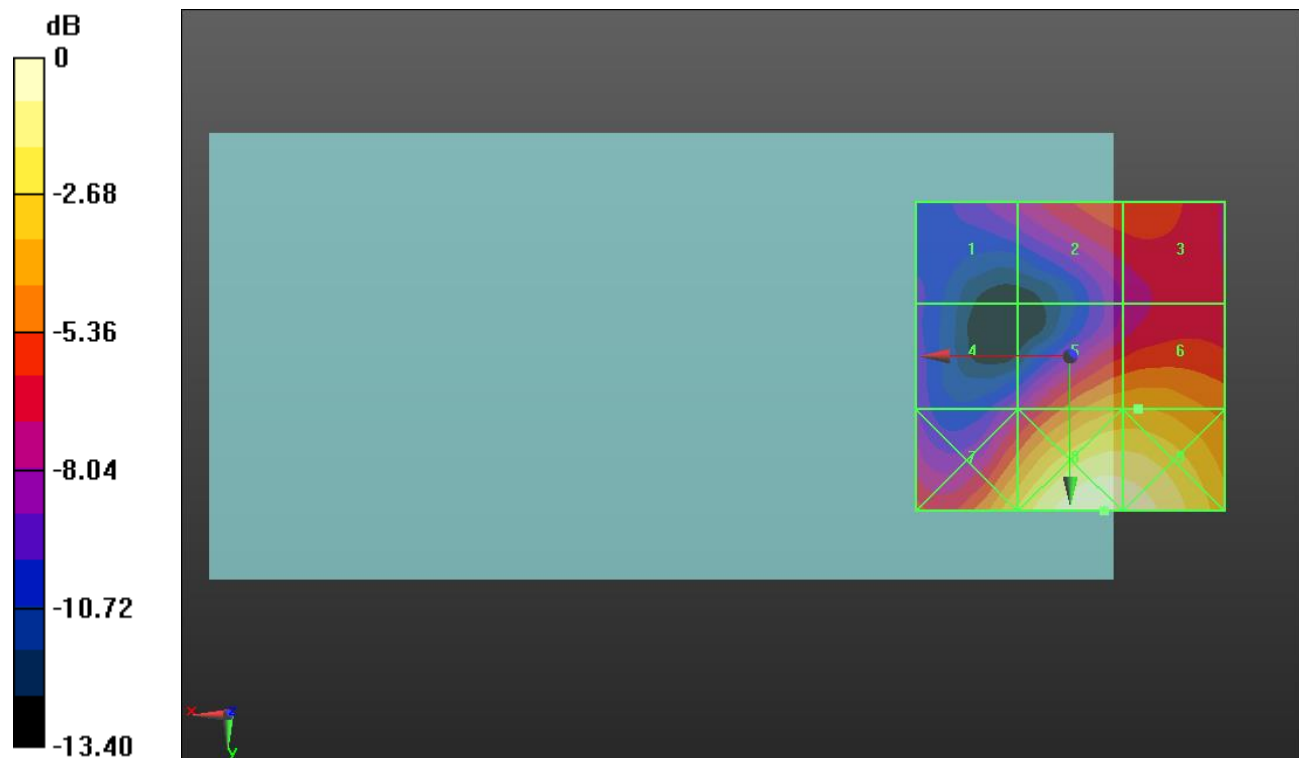
Applied MIF = -1.44 dB

RF audio interference level = 22.03 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 17.73 dBV/m	Grid 2 M4 20.03 dBV/m	Grid 3 M4 20.05 dBV/m
Grid 4 M4 17.47 dBV/m	Grid 5 M4 21.95 dBV/m	Grid 6 M4 22.03 dBV/m
Grid 7 M4 23.07 dBV/m	Grid 8 M4 25.55 dBV/m	Grid 9 M4 25.41 dBV/m



0 dB = 18.95 V/m = 25.55 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 = 13.71 V/m; Power Drift = -0.15 dB

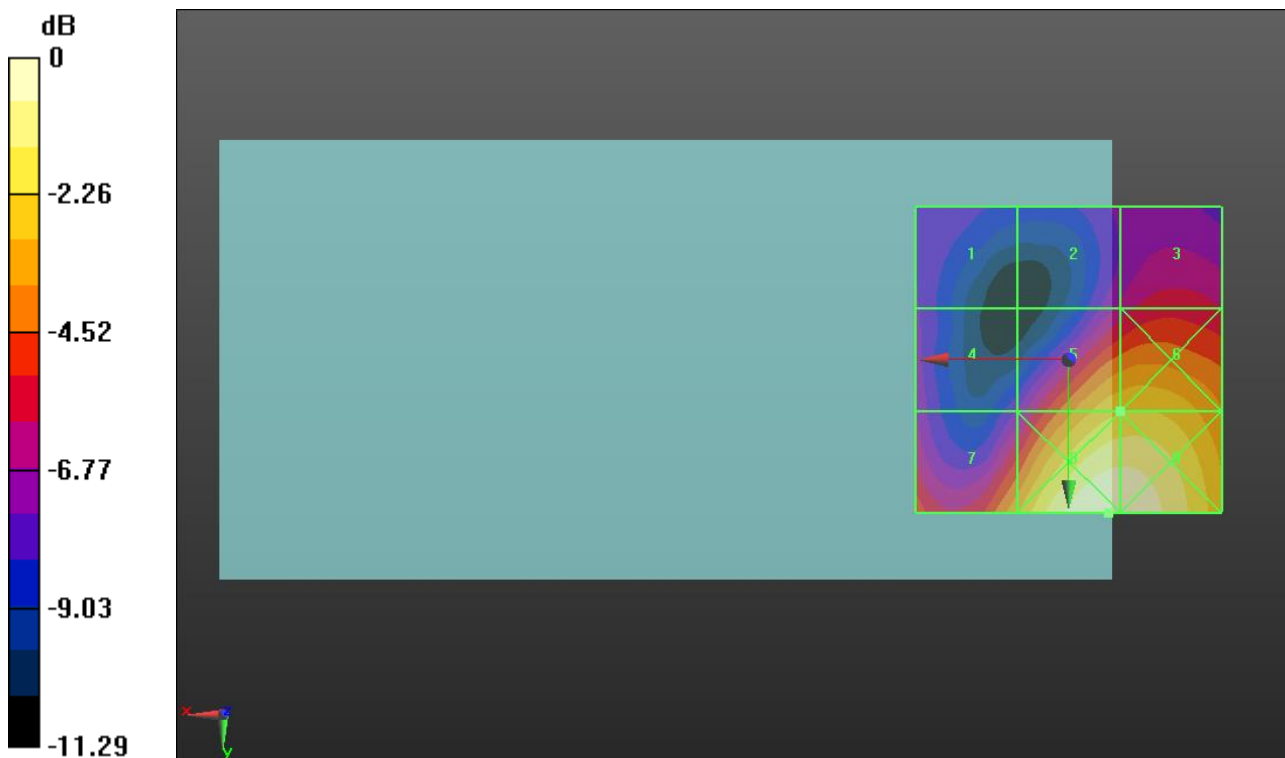
Applied MIF = -1.44 dB

RF audio interference level = 23.94 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 18.88 dBV/m	Grid 2 M4 19.78 dBV/m	Grid 3 M4 20.75 dBV/m
Grid 4 M4 19.52 dBV/m	Grid 5 M4 23.94 dBV/m	Grid 6 M4 24.06 dBV/m
Grid 7 M4 23.17 dBV/m	Grid 8 M4 26.26 dBV/m	Grid 9 M4 26.21 dBV/m



0 dB = 20.55 V/m = 26.26 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 = 11.96 V/m; Power Drift = -0.18 dB

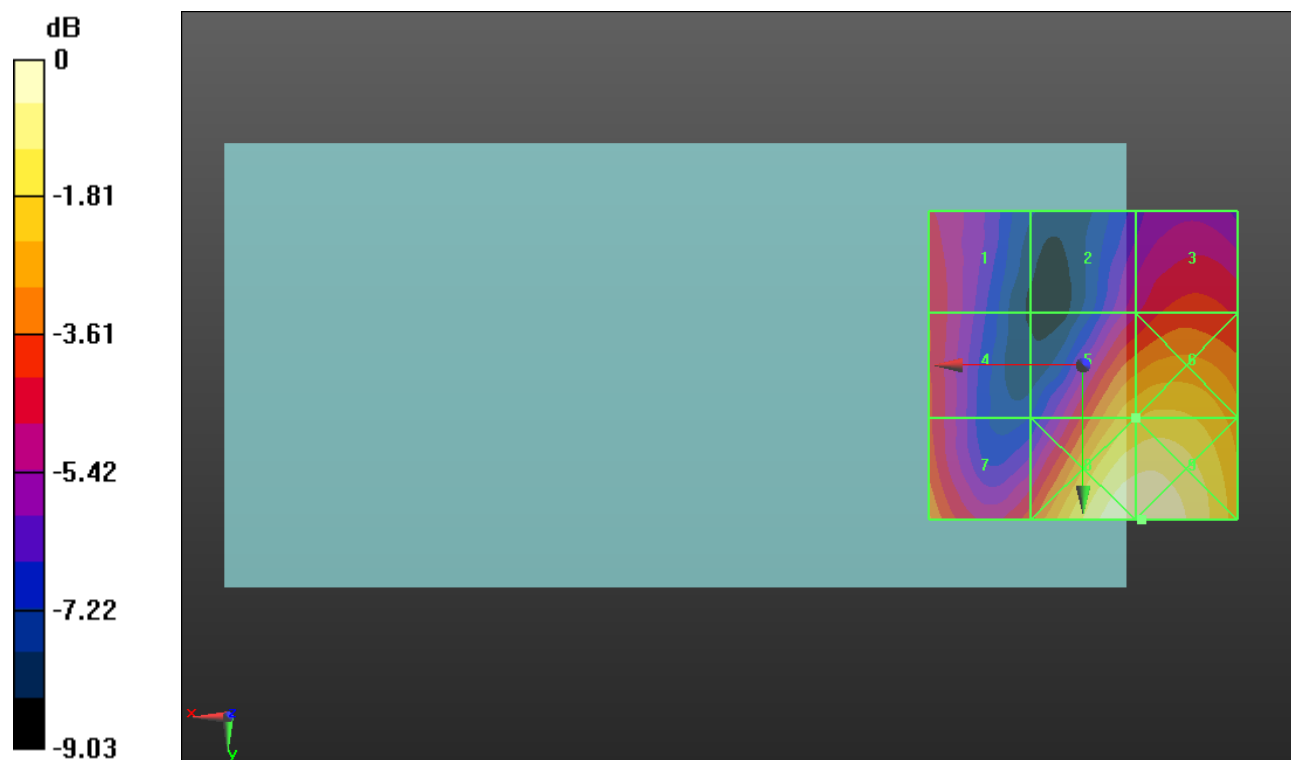
Applied MIF = -1.44 dB

RF audio interference level = 23.05 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 20.66 dBV/m	Grid 2 M4 20.02 dBV/m	Grid 3 M4 21.03 dBV/m
Grid 4 M4 20.88 dBV/m	Grid 5 M4 23.05 dBV/m	Grid 6 M4 23.3 dBV/m
Grid 7 M4 22.12 dBV/m	Grid 8 M4 24.9 dBV/m	Grid 9 M4 24.91 dBV/m



0 dB = 17.60 V/m = 24.91 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 = 13.10 V/m; Power Drift = -0.08 dB

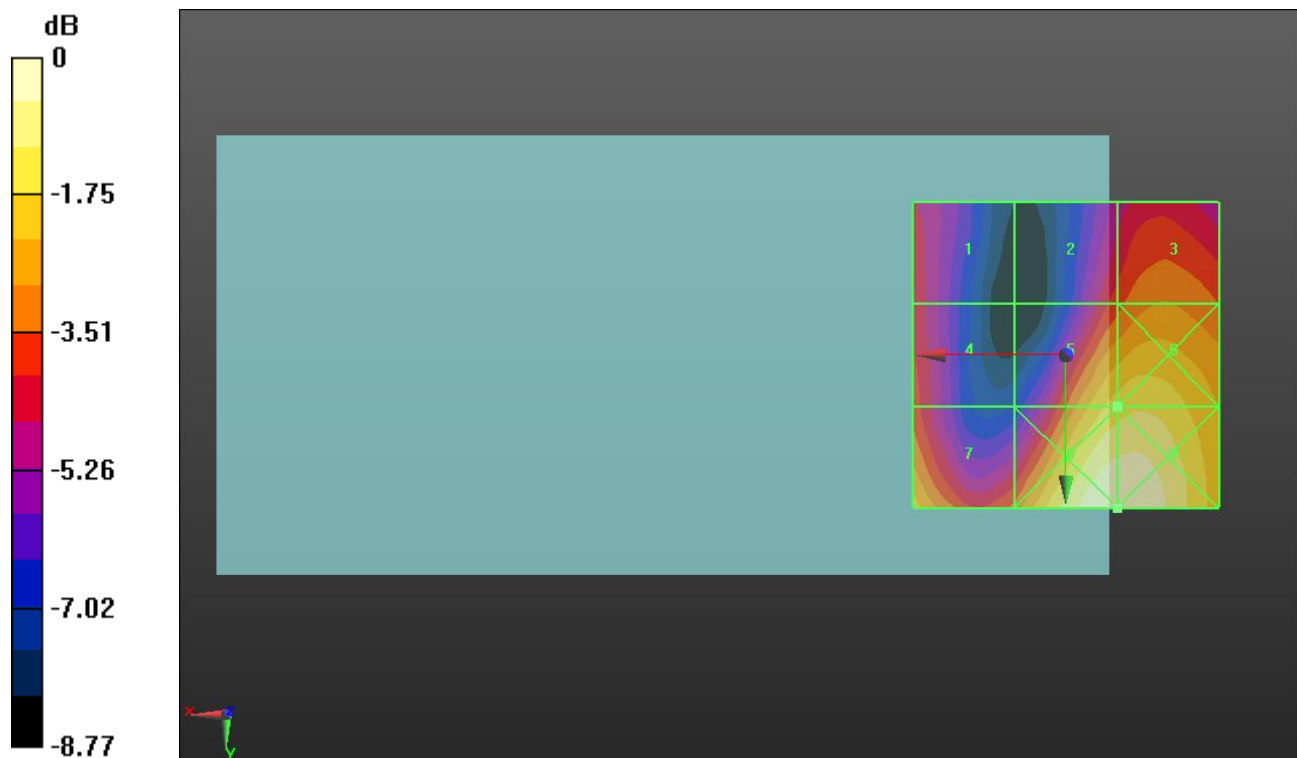
Applied MIF = -1.44 dB

RF audio interference level = 22.96 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 20.2 dBV/m	Grid 2 M4 20.7 dBV/m	Grid 3 M4 21.52 dBV/m
Grid 4 M4 20.66 dBV/m	Grid 5 M4 22.96 dBV/m	Grid 6 M4 23.18 dBV/m
Grid 7 M4 22.42 dBV/m	Grid 8 M4 24.41 dBV/m	Grid 9 M4 24.41 dBV/m



0 dB = 16.62 V/m = 24.41 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 = 94.59 V/m; Power Drift = -0.02 dB

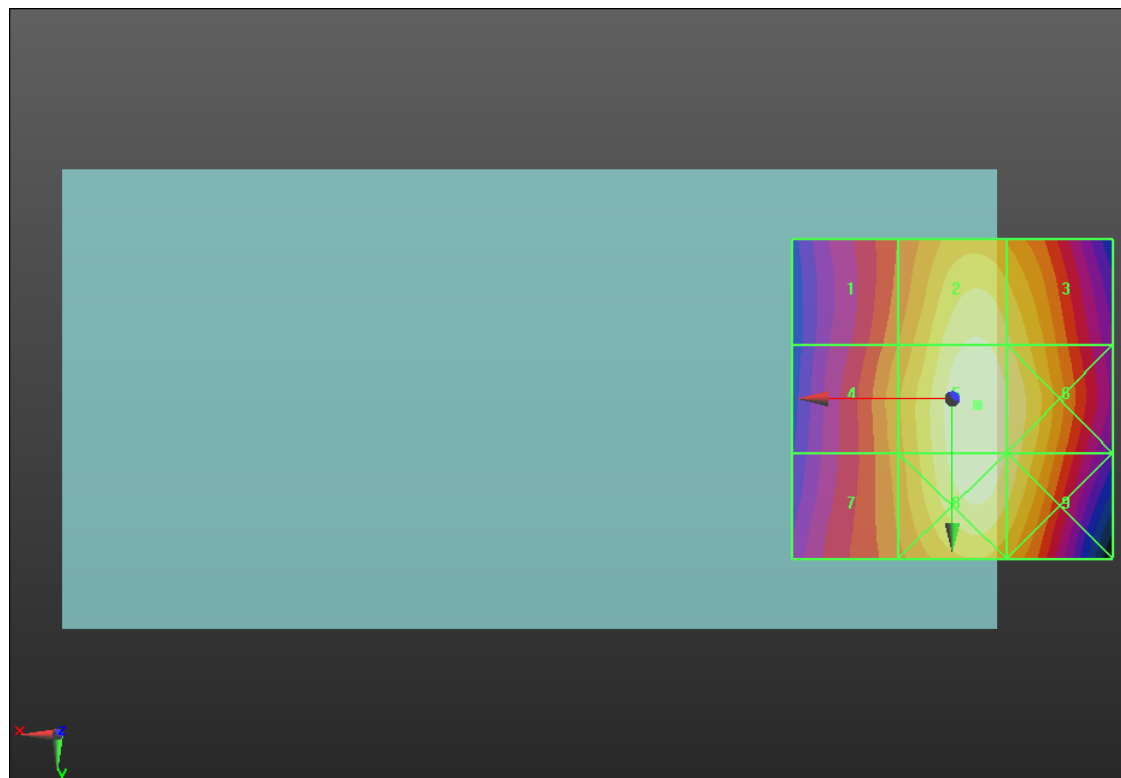
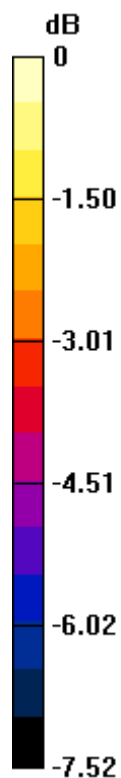
Applied MIF = 3.63 dB

RF audio interference level = 39.76 dBV/m

Emission category: **M4**

MIF scaled E-field

Grid 1 M4 37.26 dBV/m	Grid 2 M4 39.34 dBV/m	Grid 3 M4 38.91 dBV/m
Grid 4 M4 37.69 dBV/m	Grid 5 M4 39.76 dBV/m	Grid 6 M4 39.32 dBV/m
Grid 7 M4 37.55 dBV/m	Grid 8 M4 39.7 dBV/m	Grid 9 M4 39.21 dBV/m



0 dB = 97.28 V/m = 39.76 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 = 96.64 V/m; Power Drift = -0.01 dB

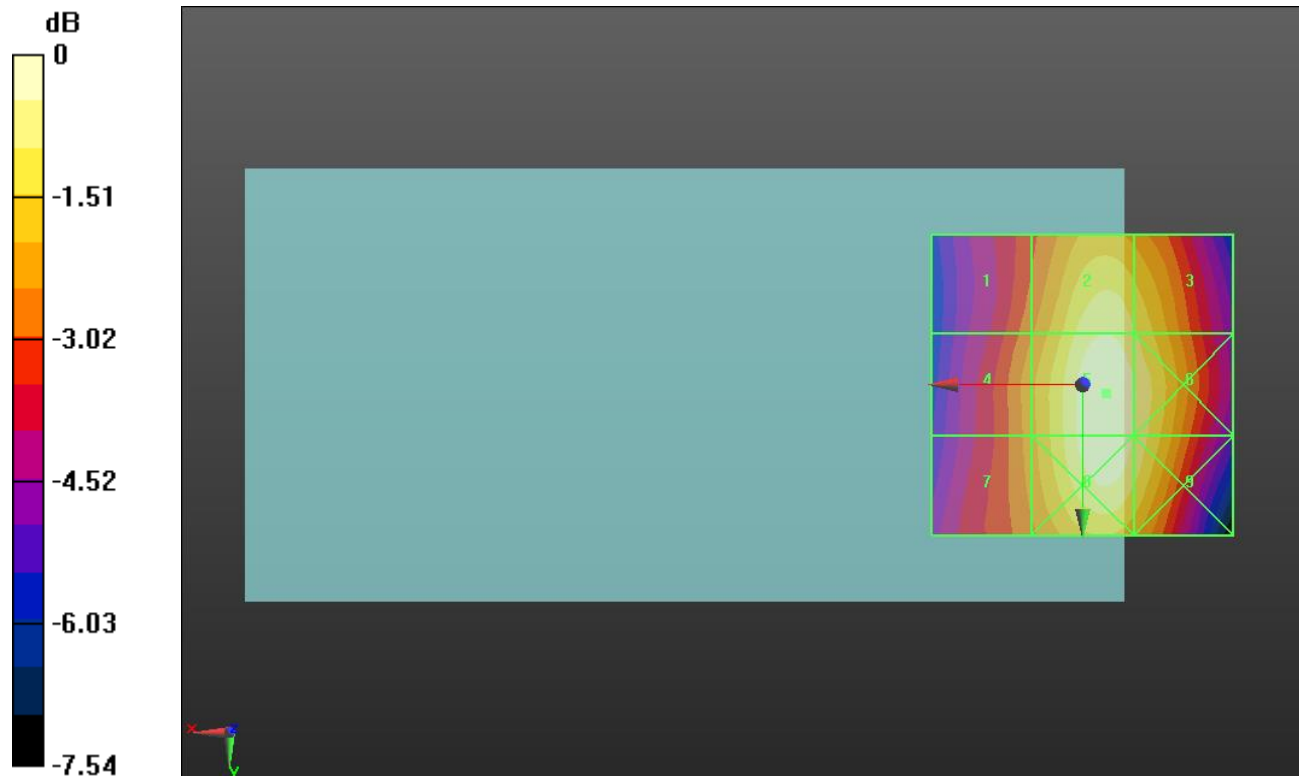
Applied MIF = 3.63 dB

RF audio interference level = 39.93 dBV/m

Emission category: **M4**

MIF scaled E-field

Grid 1 M4 37.37 dBV/m	Grid 2 M4 39.43 dBV/m	Grid 3 M4 39 dBV/m
Grid 4 M4 37.82 dBV/m	Grid 5 M4 39.93 dBV/m	Grid 6 M4 39.49 dBV/m
Grid 7 M4 37.74 dBV/m	Grid 8 M4 39.91 dBV/m	Grid 9 M4 39.4 dBV/m



0 dB = 99.18 V/m = 39.93 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 = 98.85 V/m; Power Drift = -0.04 dB

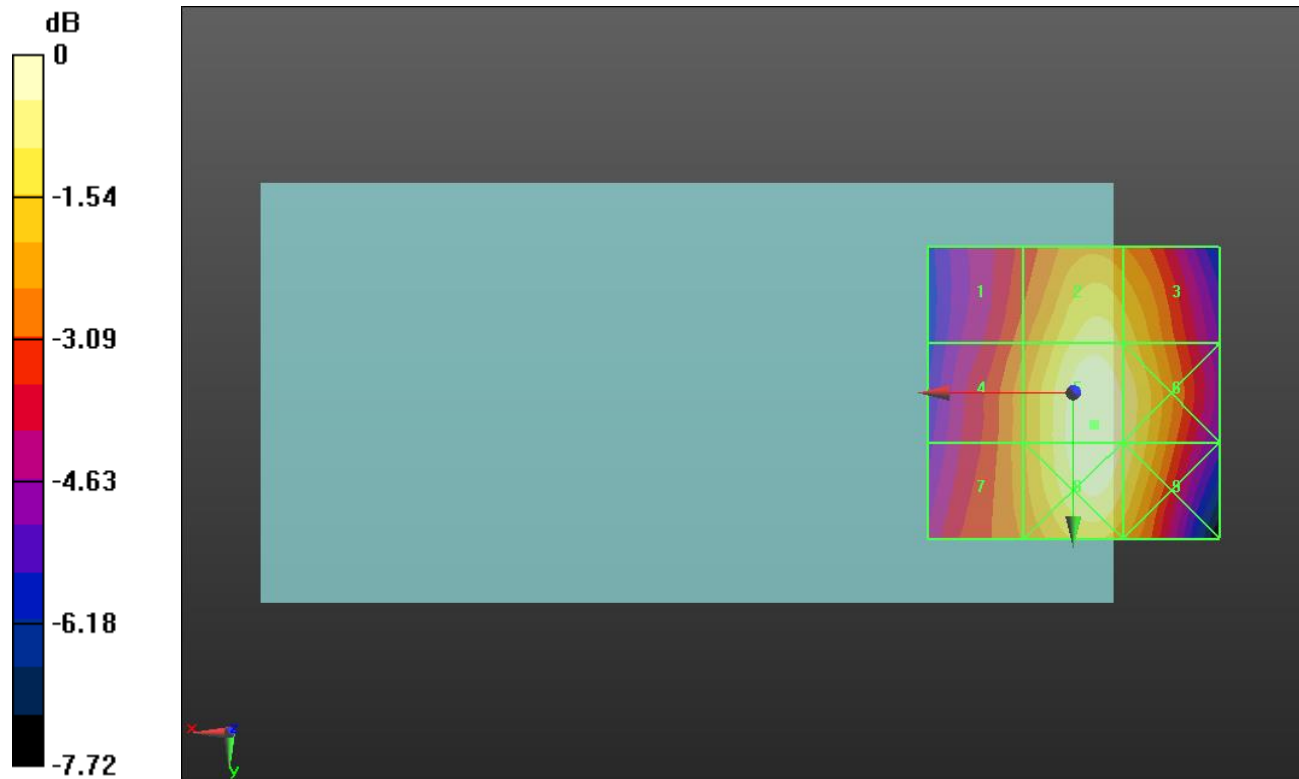
Applied MIF = 3.63 dB

RF audio interference level = 40.11 dBV/m

Emission category: **M3**

MIF scaled E-field

Grid 1 M4 37.42 dBV/m	Grid 2 M4 39.45 dBV/m	Grid 3 M4 39.02 dBV/m
Grid 4 M4 37.97 dBV/m	Grid 5 M3 40.11 dBV/m	Grid 6 M4 39.58 dBV/m
Grid 7 M4 37.97 dBV/m	Grid 8 M3 40.1 dBV/m	Grid 9 M4 39.54 dBV/m



0 dB = 101.3 V/m = 40.11 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 = 15.22 V/m; Power Drift = -0.05 dB

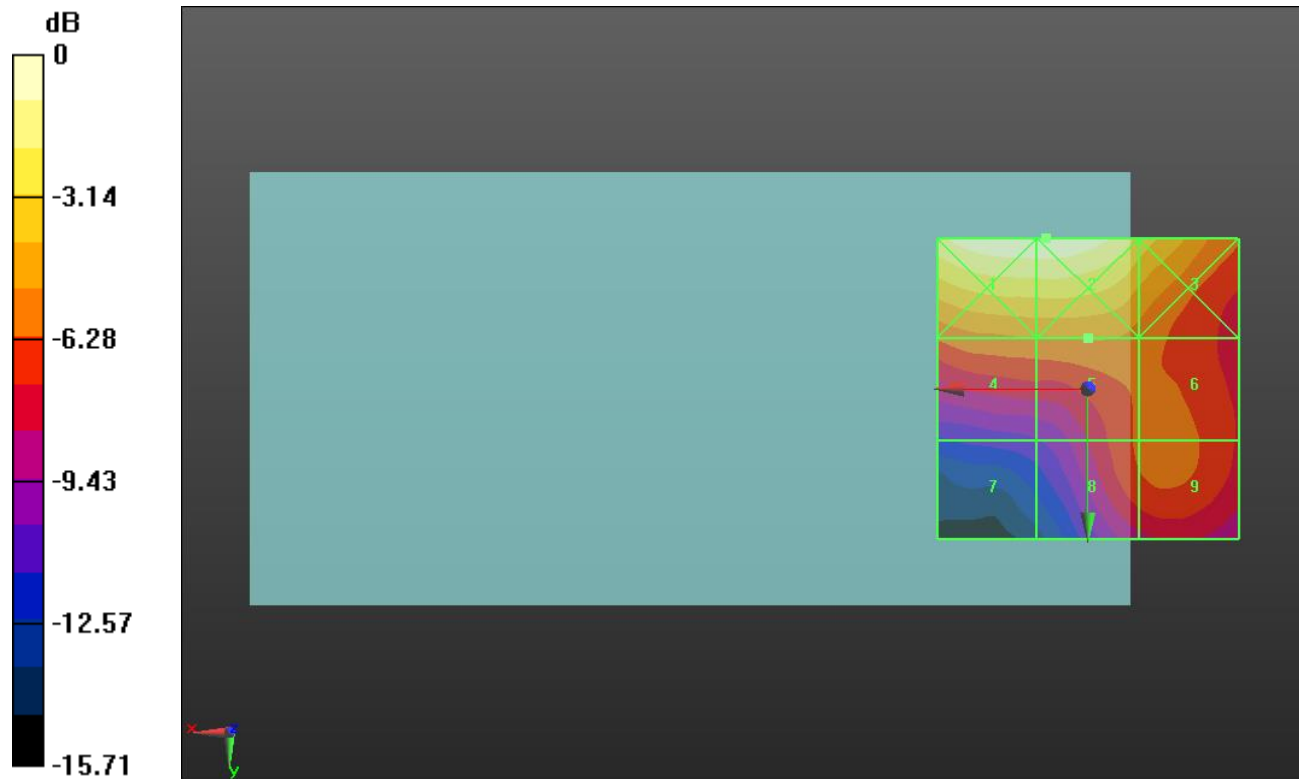
Applied MIF = 3.63 dB

RF audio interference level = 27.56 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M3 32.66 dBV/m	Grid 2 M3 32.68 dBV/m	Grid 3 M3 30.31 dBV/m
Grid 4 M4 27.47 dBV/m	Grid 5 M4 27.56 dBV/m	Grid 6 M4 27.04 dBV/m
Grid 7 M4 22.21 dBV/m	Grid 8 M4 26.64 dBV/m	Grid 9 M4 26.97 dBV/m



0 dB = 43.06 V/m = 32.68 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 = 15.16 V/m; Power Drift = -0.00 dB

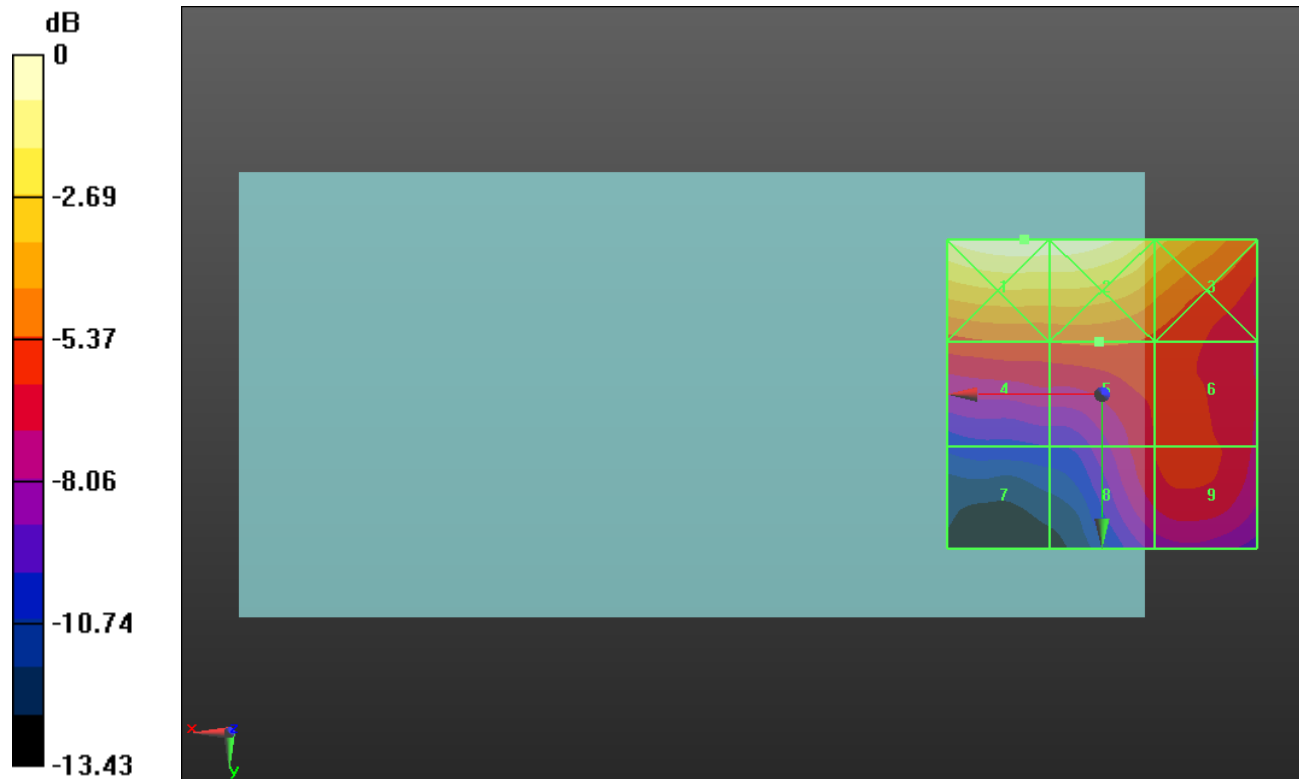
Applied MIF = 3.63 dB

RF audio interference level = 27.22 dBV/m

Emission category: **M4**

MIF scaled E-field

Grid 1 M3 32.43 dBV/m	Grid 2 M3 32.4 dBV/m	Grid 3 M3 30.22 dBV/m
Grid 4 M4 27.1 dBV/m	Grid 5 M4 27.22 dBV/m	Grid 6 M4 26.88 dBV/m
Grid 7 M4 22.58 dBV/m	Grid 8 M4 26.22 dBV/m	Grid 9 M4 26.57 dBV/m



0 dB = 41.83 V/m = 32.43 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 = 15.54 V/m; Power Drift = -0.01 dB

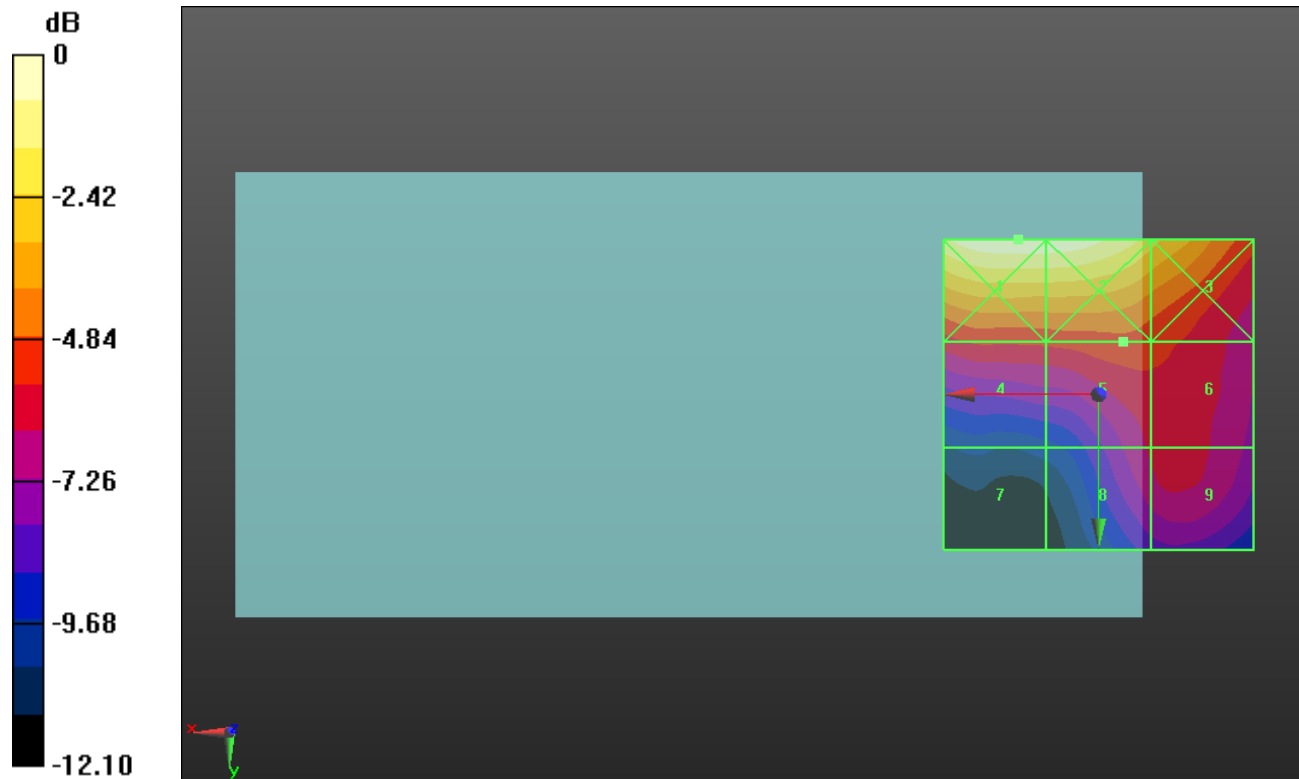
Applied MIF = 3.63 dB

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 32.2 dBV/m	Grid 3 M3 30.18 dBV/m
Grid 4 M4 26.82 dBV/m	Grid 5 M4 27.19 dBV/m	Grid 6 M4 26.95 dBV/m
Grid 7 M4 22.27 dBV/m	Grid 8 M4 25.99 dBV/m	Grid 9 M4 26.27 dBV/m



0 dB = 40.97 V/m = 32.25 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 = 170.0 V/m; Power Drift = 0.04 dB

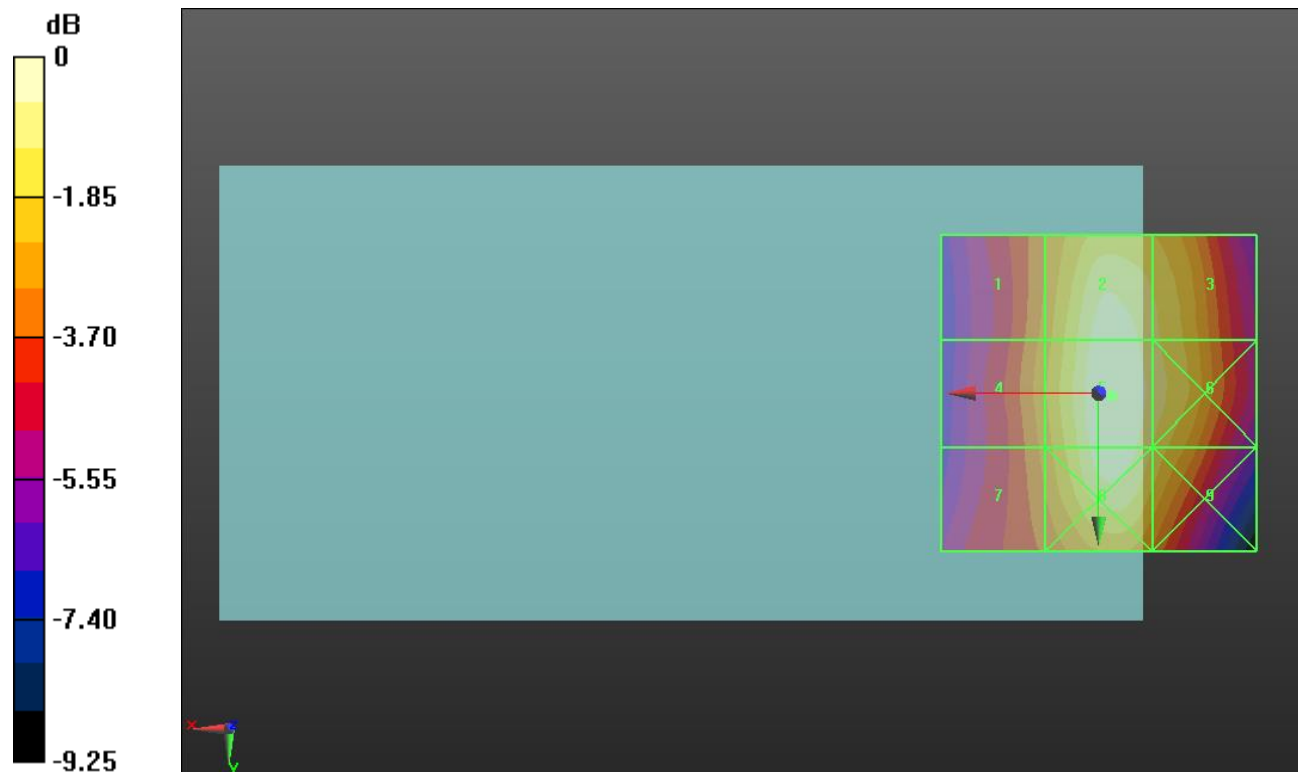
Applied MIF = 3.26 dB

RF audio interference level = 42.43 dBV/m

Emission category: M3

MIF scaled E-field

Grid 1 M4 39.66 dBV/m	Grid 2 M3 42.19 dBV/m	Grid 3 M3 41.43 dBV/m
Grid 4 M4 39.9 dBV/m	Grid 5 M3 42.43 dBV/m	Grid 6 M3 41.63 dBV/m
Grid 7 M4 39.63 dBV/m	Grid 8 M3 42.26 dBV/m	Grid 9 M3 41.19 dBV/m



0 dB = 132.3 V/m = 42.43 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 = 161.4 V/m; Power Drift = 0.02 dB

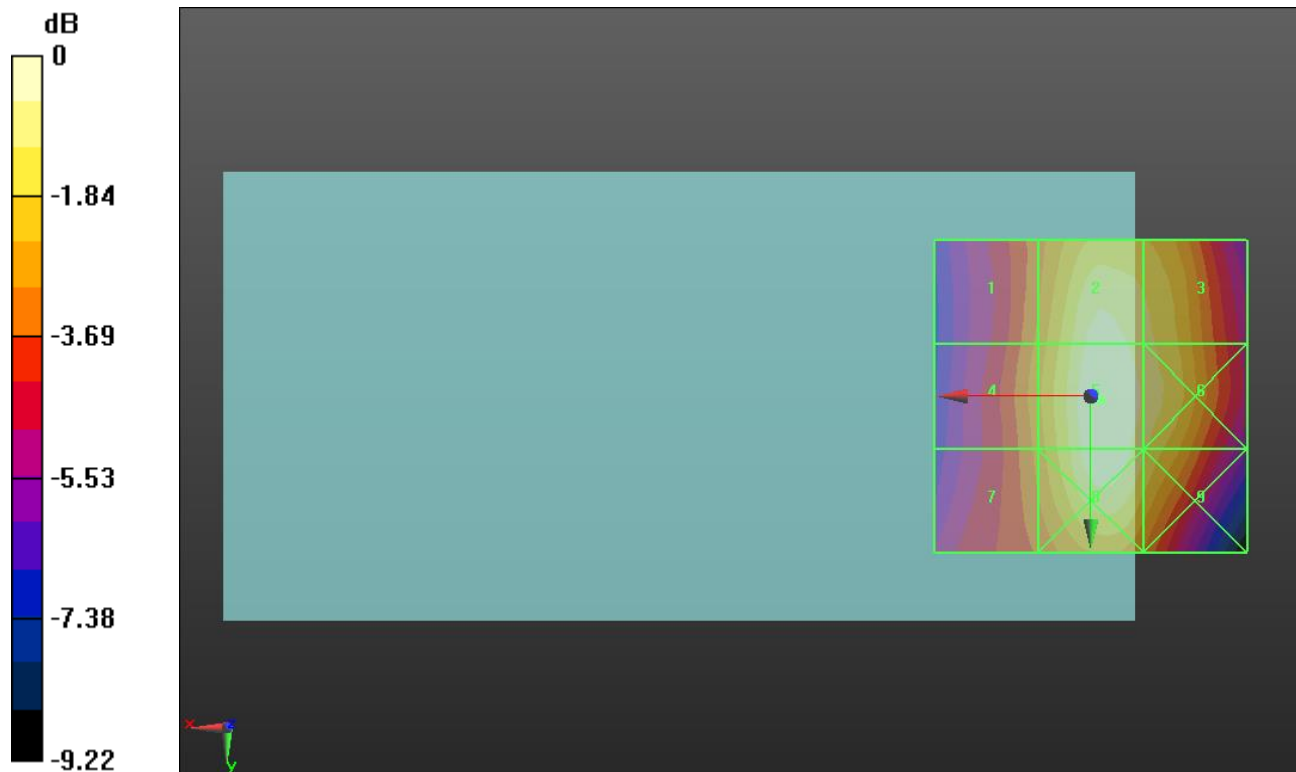
Applied MIF = 3.26 dB

RF audio interference level = 41.95 dBV/m

Emission category: **M3**

MIF scaled E-field

Grid 1 M4 39.06 dBV/m	Grid 2 M3 41.62 dBV/m	Grid 3 M3 40.99 dBV/m
Grid 4 M4 39.34 dBV/m	Grid 5 M3 41.95 dBV/m	Grid 6 M3 41.24 dBV/m
Grid 7 M4 39.12 dBV/m	Grid 8 M3 41.81 dBV/m	Grid 9 M3 40.82 dBV/m



0 dB = 125.1 V/m = 41.95 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 = 148.5 V/m; Power Drift = -0.01 dB

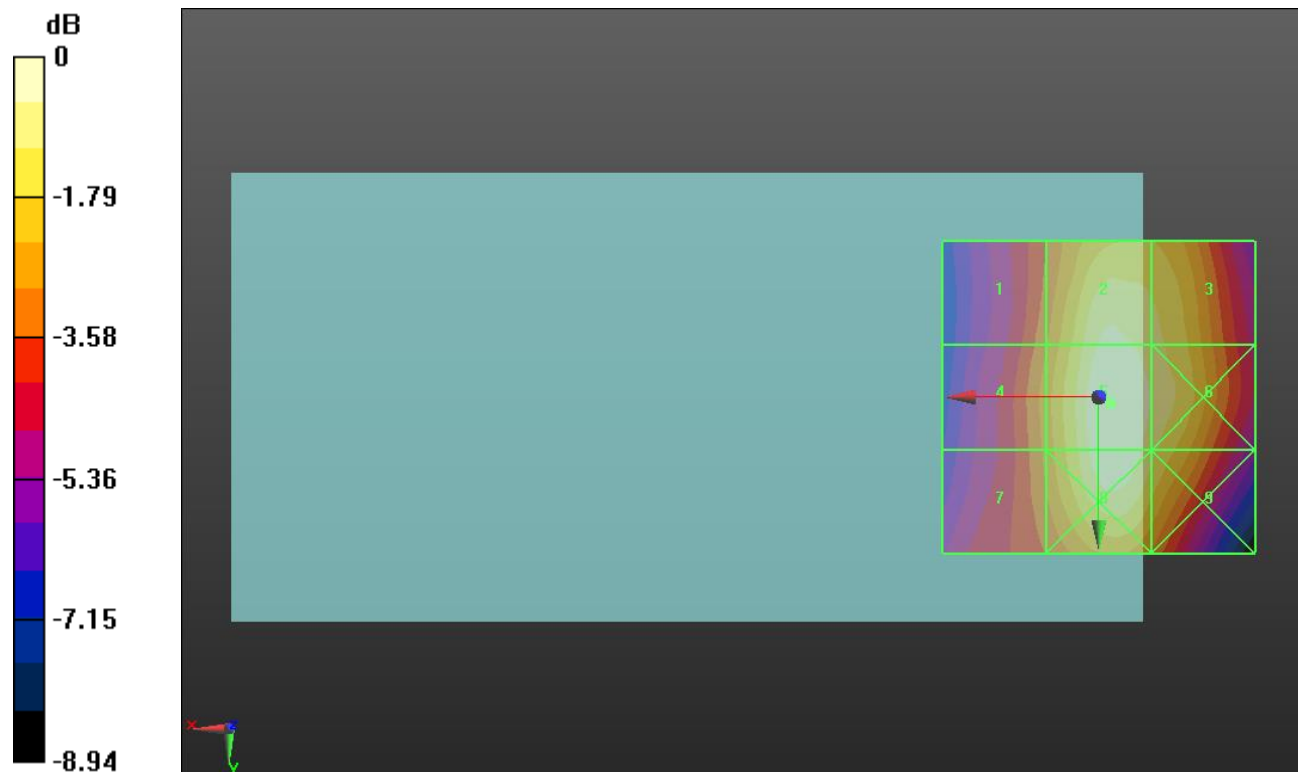
Applied MIF = 3.26 dB

RF audio interference level = 41.26 dBV/m

Emission category: **M3**

MIF scaled E-field

Grid 1 M4 38.22 dBV/m	Grid 2 M3 40.84 dBV/m	Grid 3 M3 40.35 dBV/m
Grid 4 M4 38.62 dBV/m	Grid 5 M3 41.26 dBV/m	Grid 6 M3 40.63 dBV/m
Grid 7 M4 38.46 dBV/m	Grid 8 M3 41.15 dBV/m	Grid 9 M3 40.26 dBV/m



0 dB = 115.6 V/m = 41.26 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 = 23.36 V/m; Power Drift = -0.02 dB

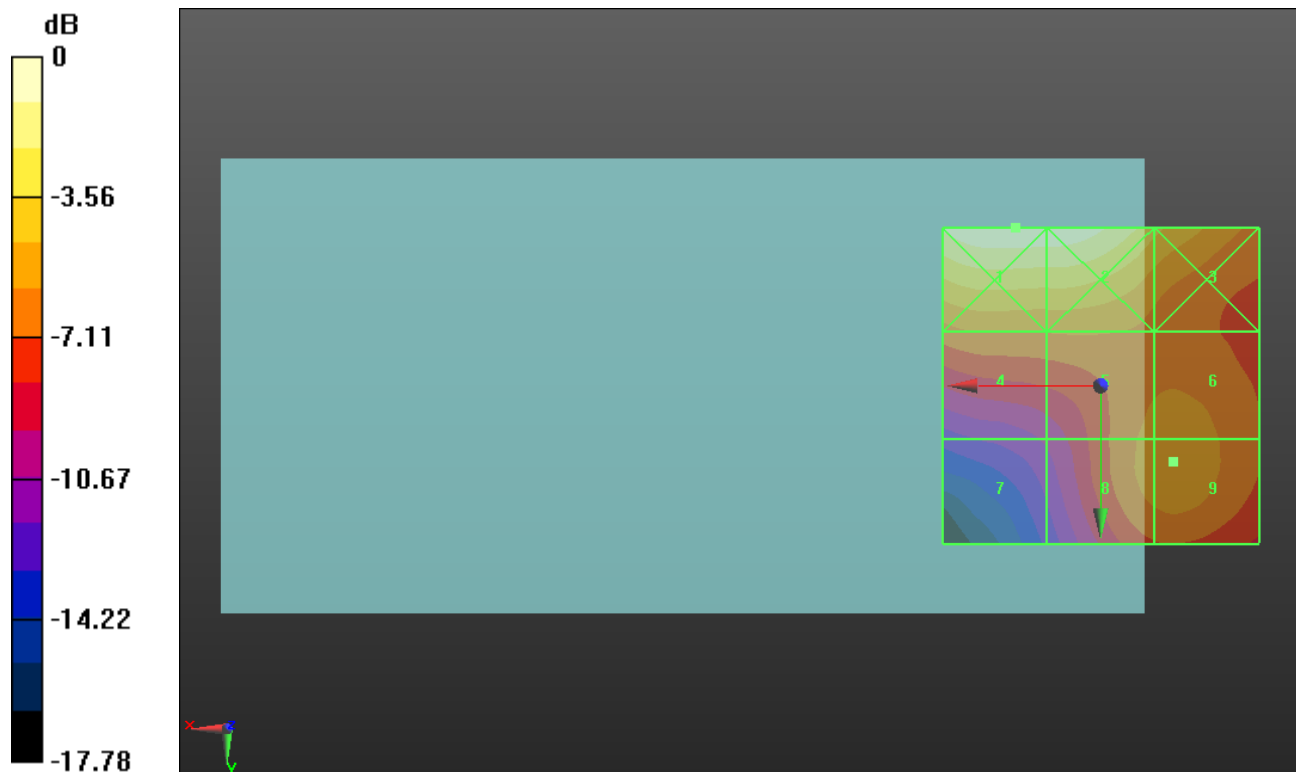
Applied MIF = 3.26 dB

RF audio interference level = 30.65 dBV/m

Emission category: **M3**

MIF scaled E-field

Grid 1 M2 35.68 dBV/m	Grid 2 M2 35.59 dBV/m	Grid 3 M3 32.55 dBV/m
Grid 4 M4 29.84 dBV/m	Grid 5 M3 30.32 dBV/m	Grid 6 M3 30.56 dBV/m
Grid 7 M4 25.31 dBV/m	Grid 8 M3 30.42 dBV/m	Grid 9 M3 30.65 dBV/m



0 dB = 60.81 V/m = 35.68 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 = 24.29 V/m; Power Drift = -0.04 dB

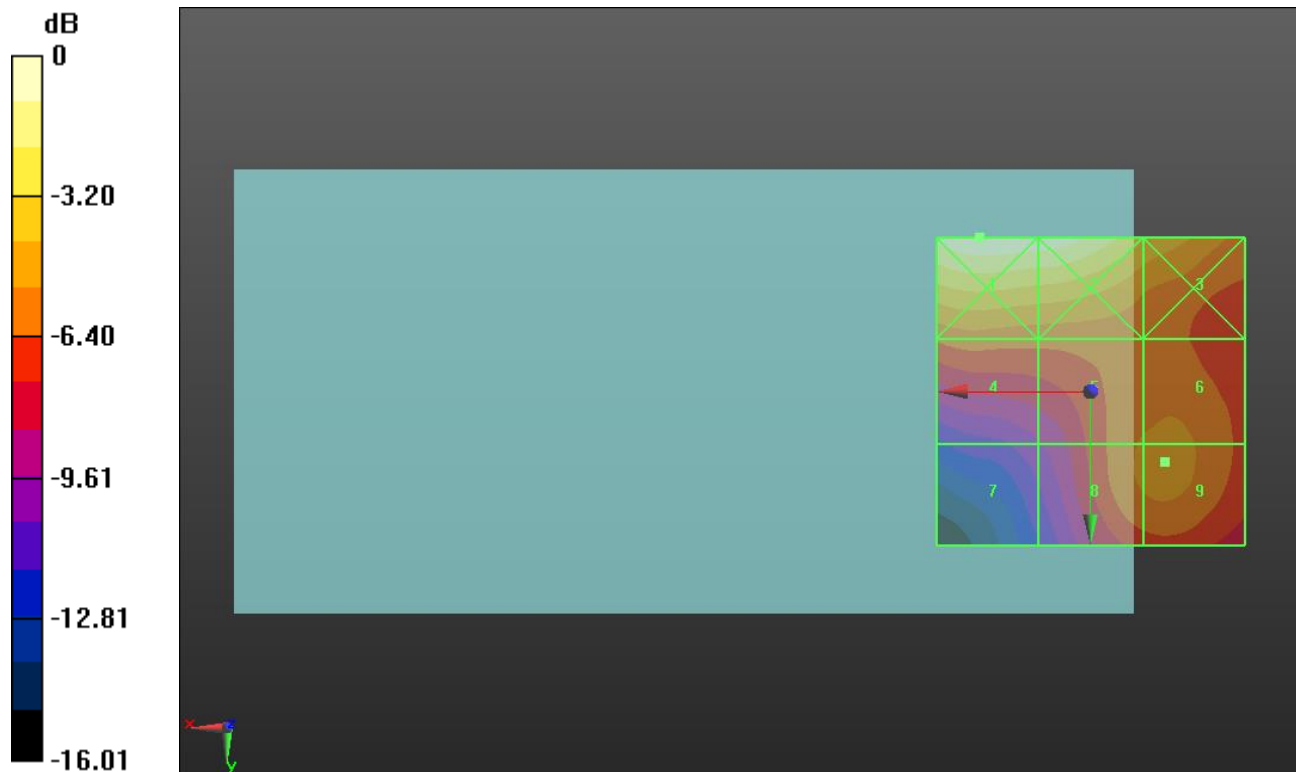
Applied MIF = 3.26 dB

RF audio interference level = 30.51 dBV/m

Emission category: M3

MIF scaled E-field

Grid 1 M2 35.37 dBV/m	Grid 2 M2 35.14 dBV/m	Grid 3 M3 32.41 dBV/m
Grid 4 M4 29.59 dBV/m	Grid 5 M3 30.2 dBV/m	Grid 6 M3 30.42 dBV/m
Grid 7 M4 25.66 dBV/m	Grid 8 M3 30.29 dBV/m	Grid 9 M3 30.51 dBV/m



0 dB = 58.71 V/m = 35.37 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 = 24.44 V/m; Power Drift = -0.02 dB

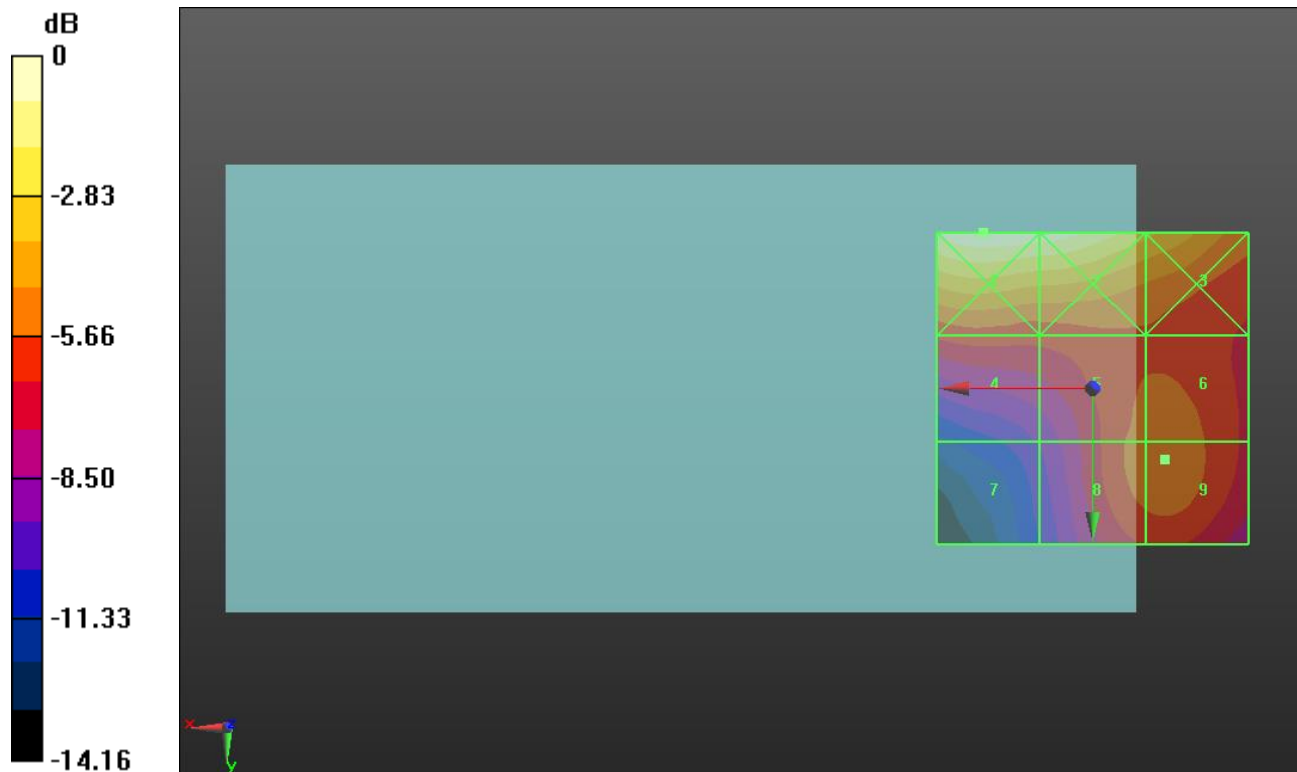
Applied MIF = 3.26 dB

RF audio interference level = 30.09 dBV/m

Emission category: M3

MIF scaled E-field

Grid 1 M3 35 dBV/m	Grid 2 M3 34.75 dBV/m	Grid 3 M3 32.52 dBV/m
Grid 4 M4 28.95 dBV/m	Grid 5 M4 29.89 dBV/m	Grid 6 M3 30.05 dBV/m
Grid 7 M4 25.73 dBV/m	Grid 8 M4 29.93 dBV/m	Grid 9 M3 30.09 dBV/m



0 dB = 56.23 V/m = 35.00 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 = 170.6 V/m; Power Drift = -0.03 dB

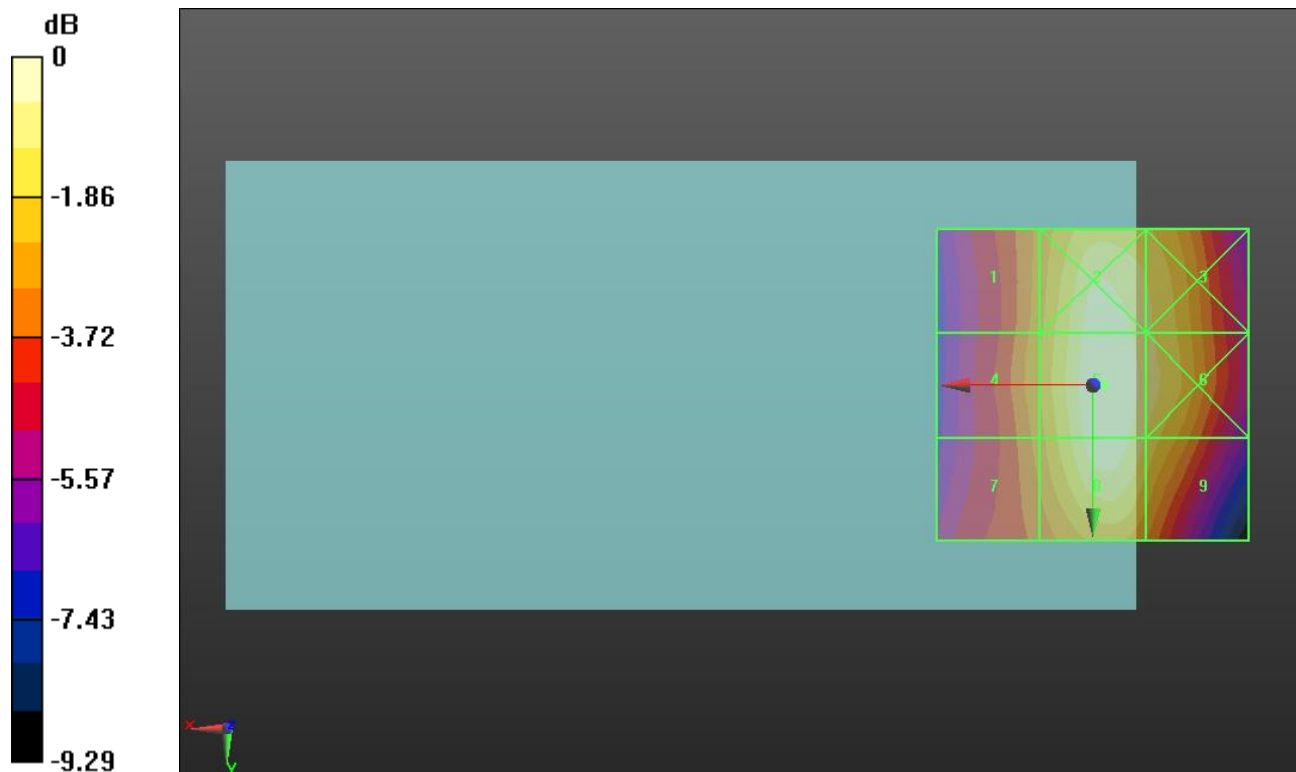
Applied MIF = 3.26 dB

RF audio interference level = 42.42 dBV/m

Emission category: M3

MIF scaled E-field

Grid 1 M4 39.84 dBV/m	Grid 2 M3 42.22 dBV/m	Grid 3 M3 41.42 dBV/m
Grid 4 M3 40.03 dBV/m	Grid 5 M3 42.42 dBV/m	Grid 6 M3 41.6 dBV/m
Grid 7 M4 39.72 dBV/m	Grid 8 M3 42.21 dBV/m	Grid 9 M3 41.13 dBV/m



0 dB = 132.2 V/m = 42.42 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 = 170.0 V/m; Power Drift = 0.01 dB

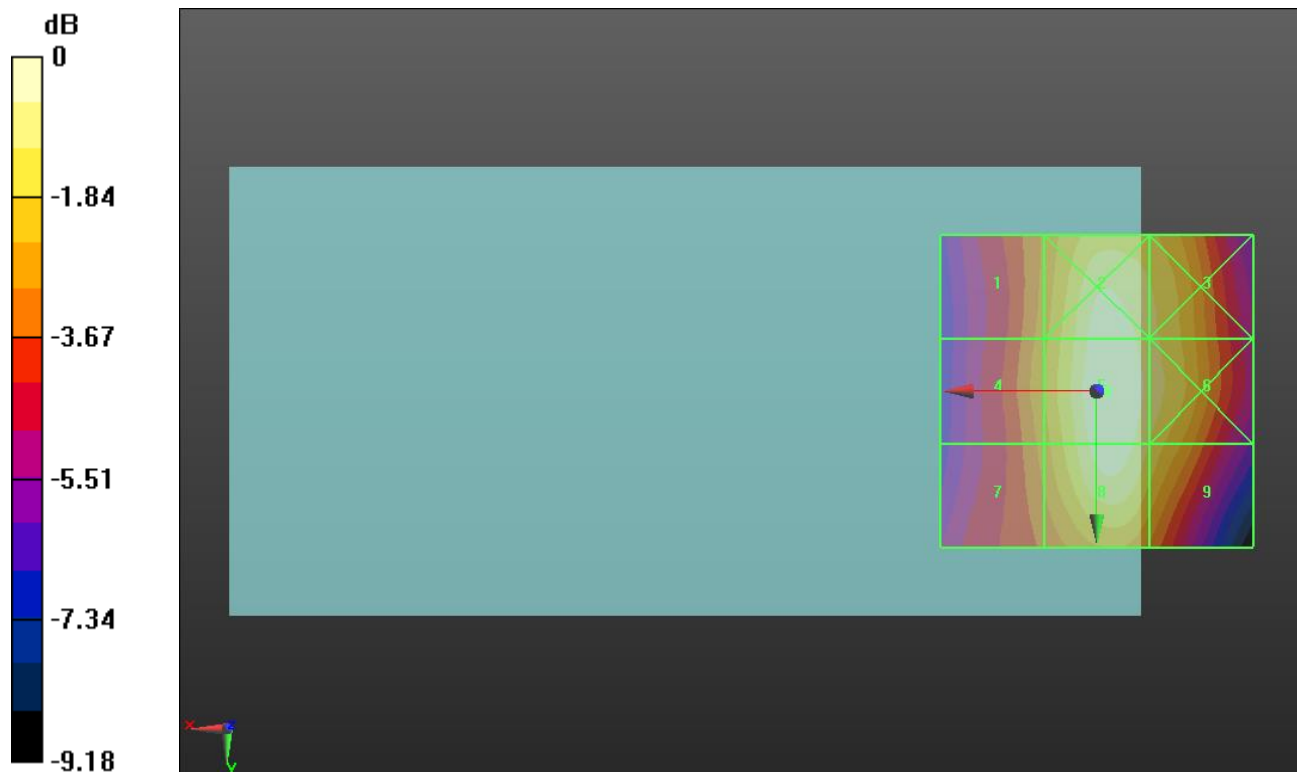
Applied MIF = 3.26 dB

RF audio interference level = 42.41 dBV/m

Emission category: M3

MIF scaled E-field

Grid 1 M4 39.77 dBV/m	Grid 2 M3 42.18 dBV/m	Grid 3 M3 41.44 dBV/m
Grid 4 M4 39.99 dBV/m	Grid 5 M3 42.41 dBV/m	Grid 6 M3 41.62 dBV/m
Grid 7 M4 39.66 dBV/m	Grid 8 M3 42.18 dBV/m	Grid 9 M3 41.15 dBV/m



0 dB = 131.9 V/m = 42.40 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 = 172.3 V/m; Power Drift = -0.05 dB

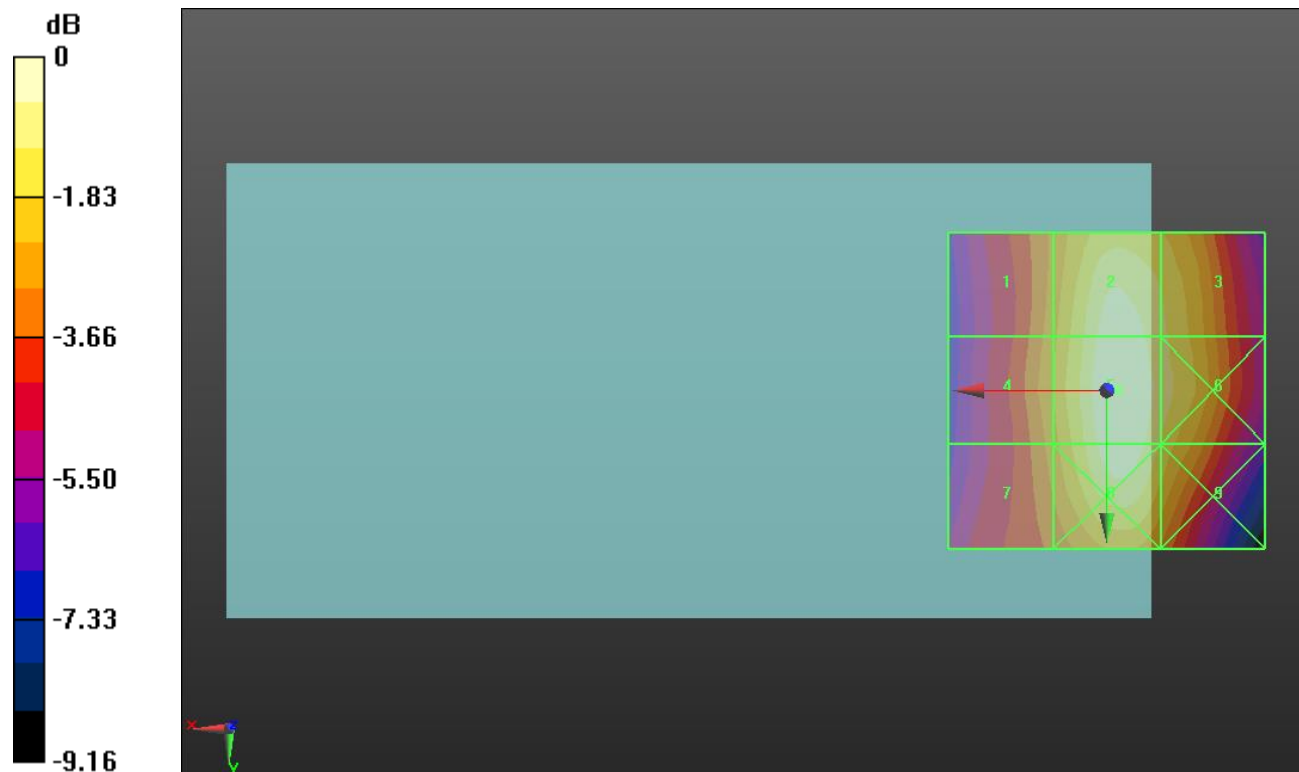
Applied MIF = 3.26 dB

RF audio interference level = 42.45 dBV/m

Emission category: M3

MIF scaled E-field

Grid 1 M4 39.85 dBV/m	Grid 2 M3 42.23 dBV/m	Grid 3 M3 41.43 dBV/m
Grid 4 M3 40.05 dBV/m	Grid 5 M3 42.45 dBV/m	Grid 6 M3 41.62 dBV/m
Grid 7 M4 39.75 dBV/m	Grid 8 M3 42.25 dBV/m	Grid 9 M3 41.17 dBV/m



0 dB = 132.6 V/m = 42.45 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 = 33.40 V/m; Power Drift = -0.03 dB

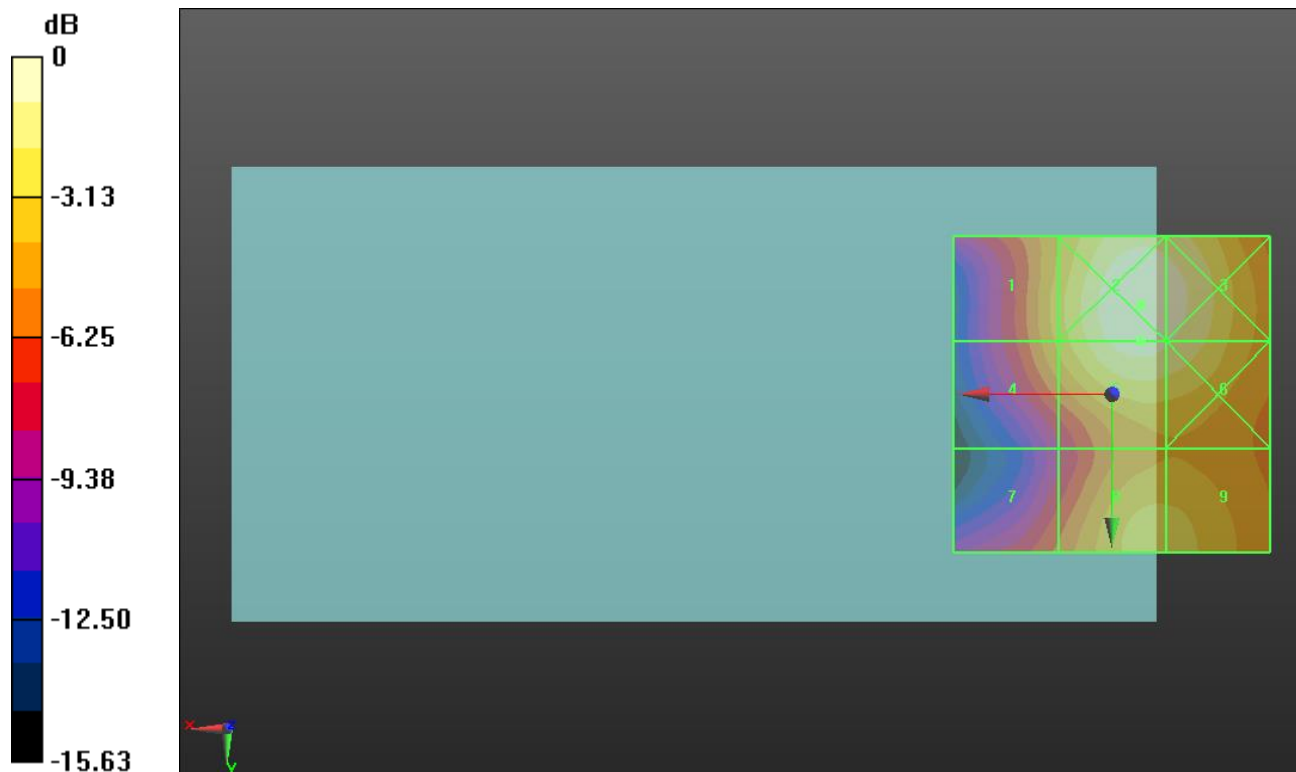
Applied MIF = -1.44 dB

RF audio interference level = 28.47 dBV/m

Emission category: **M4**

MIF scaled E-field

Grid 1 M4 25.43 dBV/m	Grid 2 M4 28.96 dBV/m	Grid 3 M4 28.54 dBV/m
Grid 4 M4 25.1 dBV/m	Grid 5 M4 28.47 dBV/m	Grid 6 M4 28.08 dBV/m
Grid 7 M4 23.01 dBV/m	Grid 8 M4 26.46 dBV/m	Grid 9 M4 26.4 dBV/m



0 dB = 28.06 V/m = 28.96 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 = 34.20 V/m; Power Drift = -0.02 dB

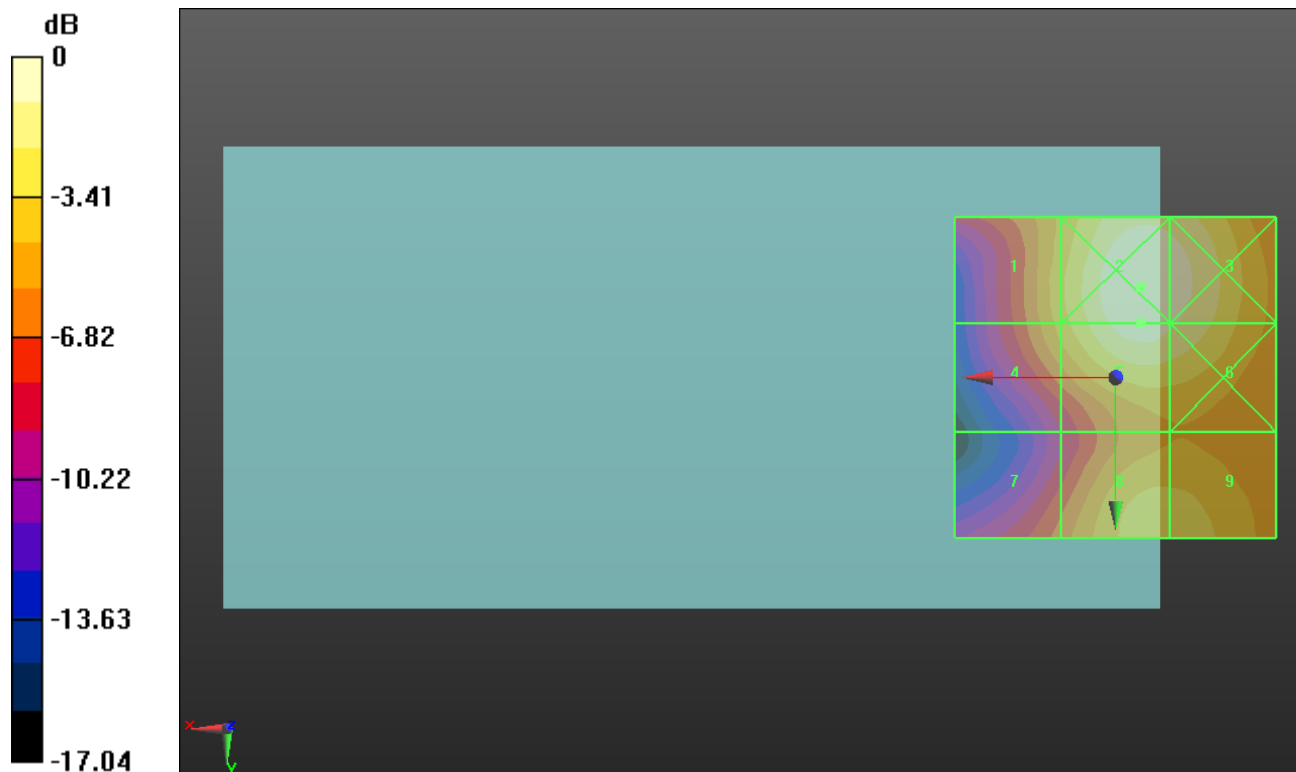
Applied MIF = -1.44 dB

RF audio interference level = 28.73 dBV/m

Emission category: **M4**

MIF scaled E-field

Grid 1 M4 25.58 dBV/m	Grid 2 M4 29.21 dBV/m	Grid 3 M4 28.74 dBV/m
Grid 4 M4 25.22 dBV/m	Grid 5 M4 28.73 dBV/m	Grid 6 M4 28.26 dBV/m
Grid 7 M4 22.98 dBV/m	Grid 8 M4 26.64 dBV/m	Grid 9 M4 26.6 dBV/m



0 dB = 28.89 V/m = 29.21 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 = 37.65 V/m; Power Drift = -0.02 dB

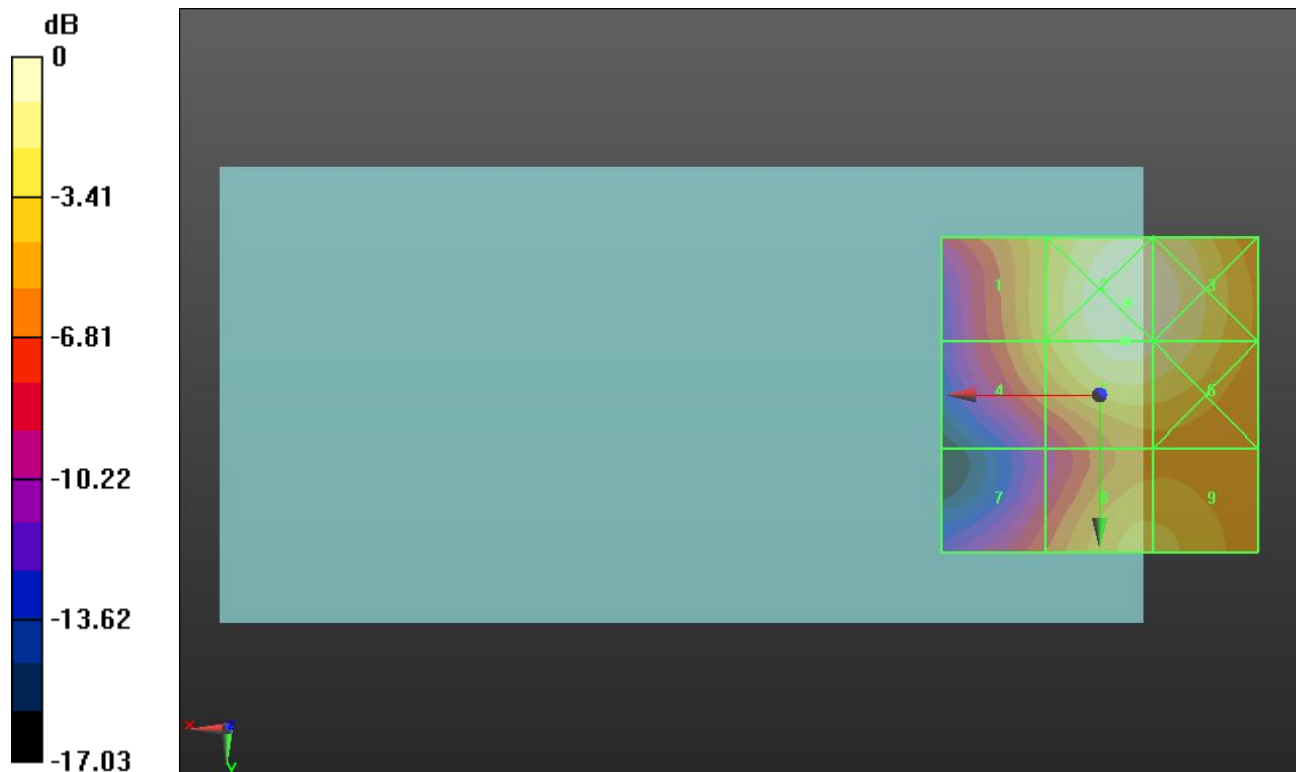
Applied MIF = -1.44 dB

RF audio interference level = 29.34 dBV/m

Emission category: **M4**

MIF scaled E-field

Grid 1 M4 26.53 dBV/m	Grid 2 M4 29.82 dBV/m	Grid 3 M4 29.41 dBV/m
Grid 4 M4 26.14 dBV/m	Grid 5 M4 29.34 dBV/m	Grid 6 M4 28.93 dBV/m
Grid 7 M4 23.07 dBV/m	Grid 8 M4 26.83 dBV/m	Grid 9 M4 26.79 dBV/m



0 dB = 30.97 V/m = 29.82 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 = 39.53 V/m; Power Drift = -0.03 dB

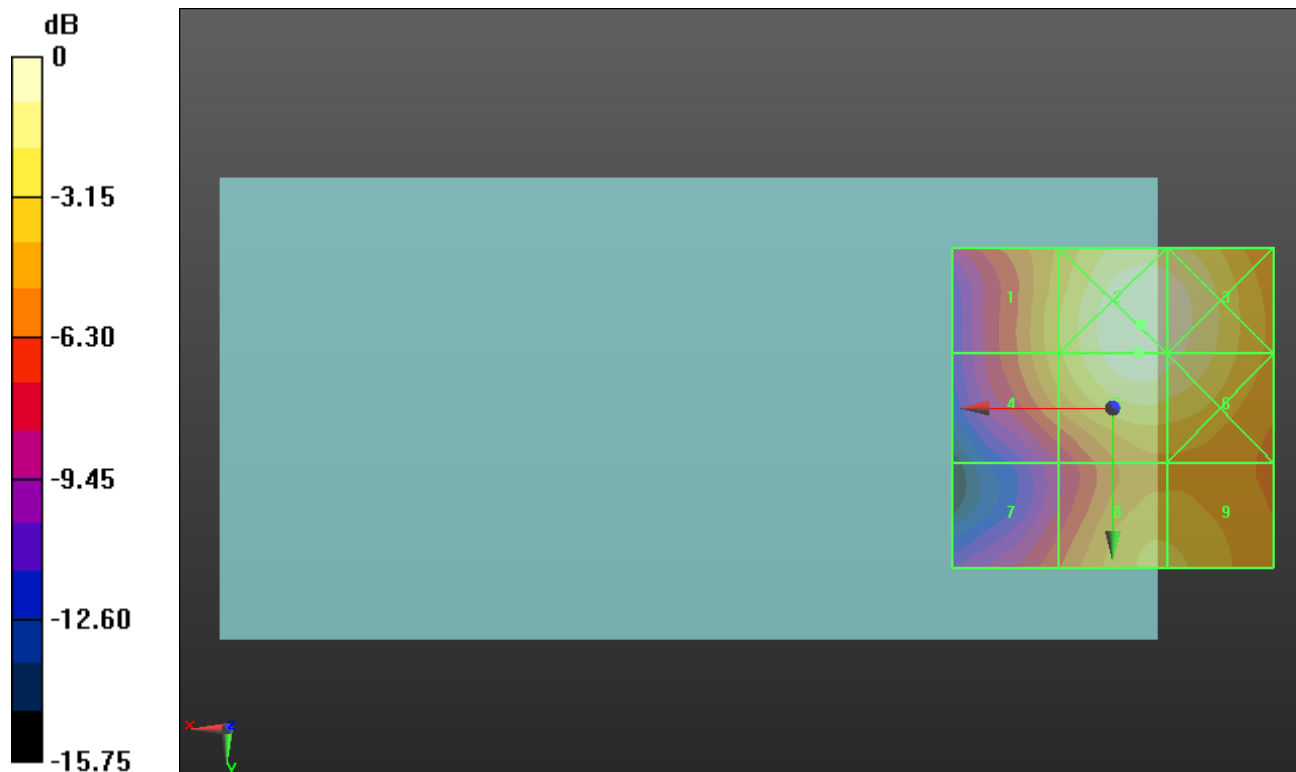
Applied MIF = -1.44 dB

RF audio interference level = 29.30 dBV/m

Emission category: **M4**

MIF scaled E-field

Grid 1 M4 26.37 dBV/m	Grid 2 M4 29.58 dBV/m	Grid 3 M4 29.22 dBV/m
Grid 4 M4 26.2 dBV/m	Grid 5 M4 29.3 dBV/m	Grid 6 M4 28.91 dBV/m
Grid 7 M4 23.25 dBV/m	Grid 8 M4 26.7 dBV/m	Grid 9 M4 26.67 dBV/m



0 dB = 30.14 V/m = 29.58 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 = 39.76 V/m; Power Drift = -0.03 dB

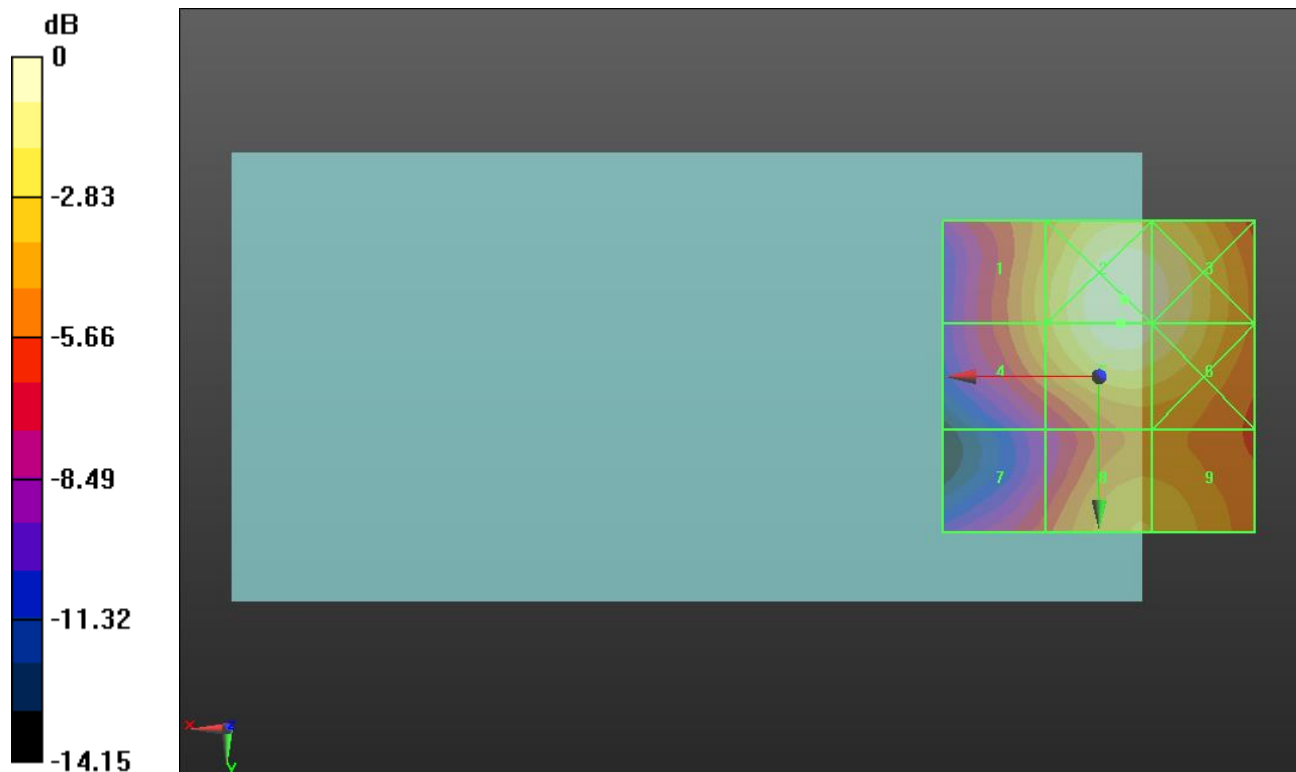
Applied MIF = -1.44 dB

RF audio interference level = 29.15 dBV/m

Emission category: **M4**

MIF scaled E-field

Grid 1 M4 26.35 dBV/m	Grid 2 M4 29.38 dBV/m	Grid 3 M4 28.93 dBV/m
Grid 4 M4 26.2 dBV/m	Grid 5 M4 29.15 dBV/m	Grid 6 M4 28.69 dBV/m
Grid 7 M4 23.48 dBV/m	Grid 8 M4 26.62 dBV/m	Grid 9 M4 26.56 dBV/m



0 dB = 29.43 V/m = 29.38 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 = 19.17 V/m; Power Drift = -0.07 dB

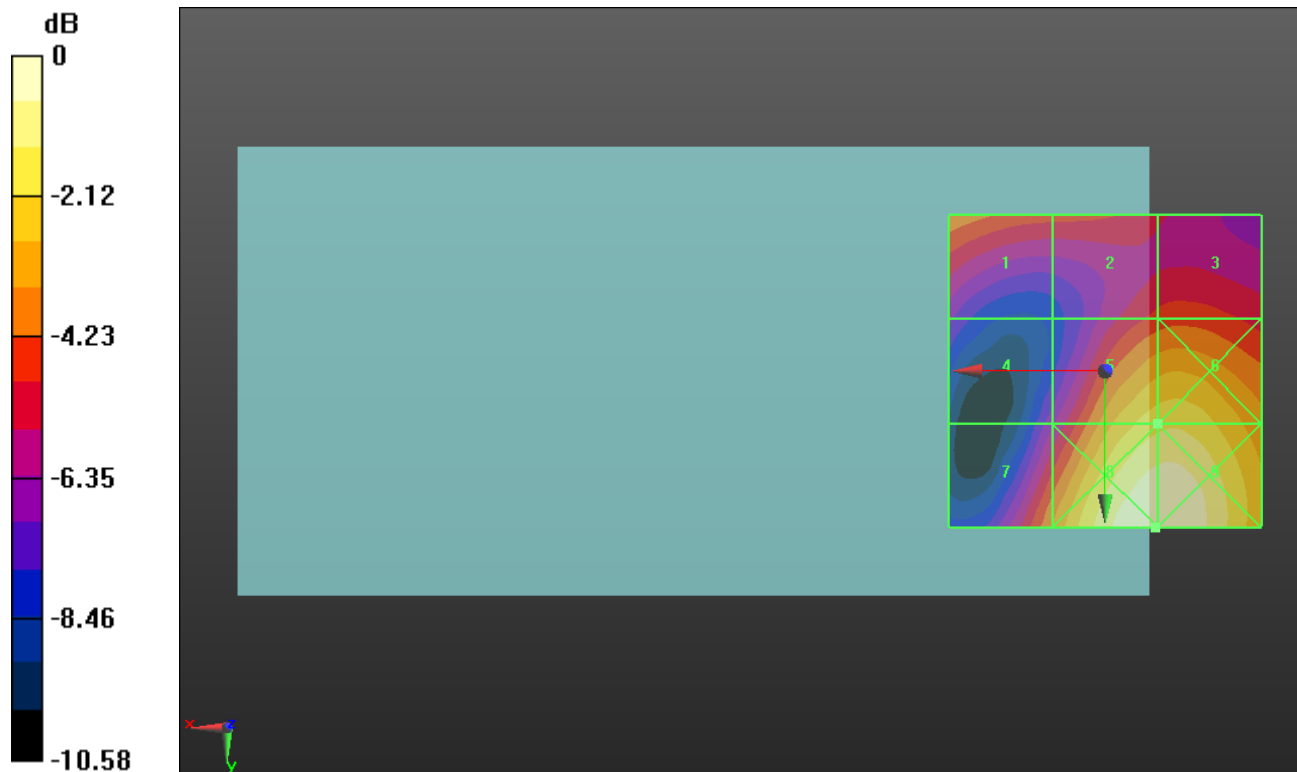
Applied MIF = 3.63 dB

RF audio interference level = 30.44 dBV/m

Emission category: M3

MIF scaled E-field

Grid 1 M4 28.41 dBV/m	Grid 2 M4 27.41 dBV/m	Grid 3 M4 27.6 dBV/m
Grid 4 M4 25.61 dBV/m	Grid 5 M3 30.44 dBV/m	Grid 6 M3 30.55 dBV/m
Grid 7 M4 28.58 dBV/m	Grid 8 M3 32.05 dBV/m	Grid 9 M3 32.05 dBV/m



0 dB = 40.02 V/m = 32.05 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 = 15.06 V/m; Power Drift = 0.09 dB

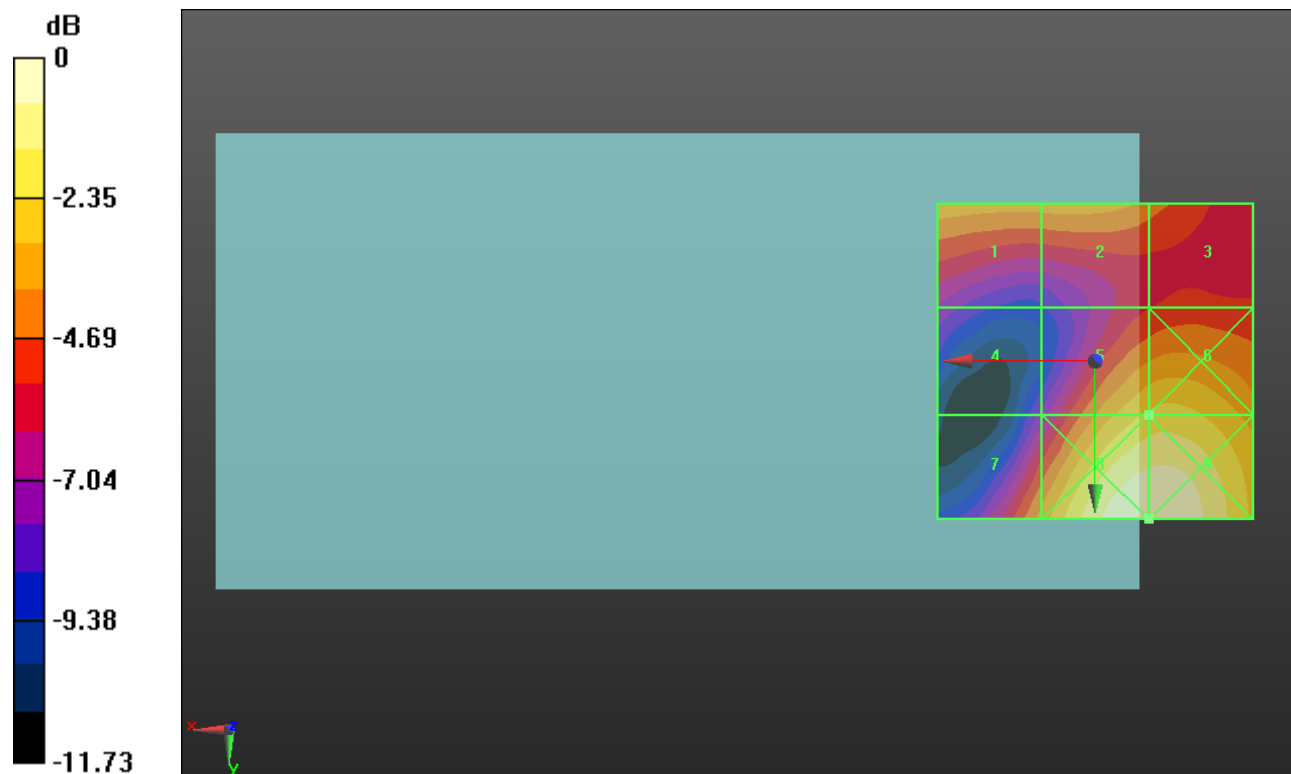
Applied MIF = 3.63 dB

RF audio interference level = 29.07 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 28.01 dBV/m	Grid 2 M4 27.84 dBV/m	Grid 3 M4 27.01 dBV/m
Grid 4 M4 24.22 dBV/m	Grid 5 M4 29.07 dBV/m	Grid 6 M4 29.25 dBV/m
Grid 7 M4 27.69 dBV/m	Grid 8 M3 31.25 dBV/m	Grid 9 M3 31.25 dBV/m



0 dB = 36.53 V/m = 31.25 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 = 14.44 V/m; Power Drift = -0.13 dB

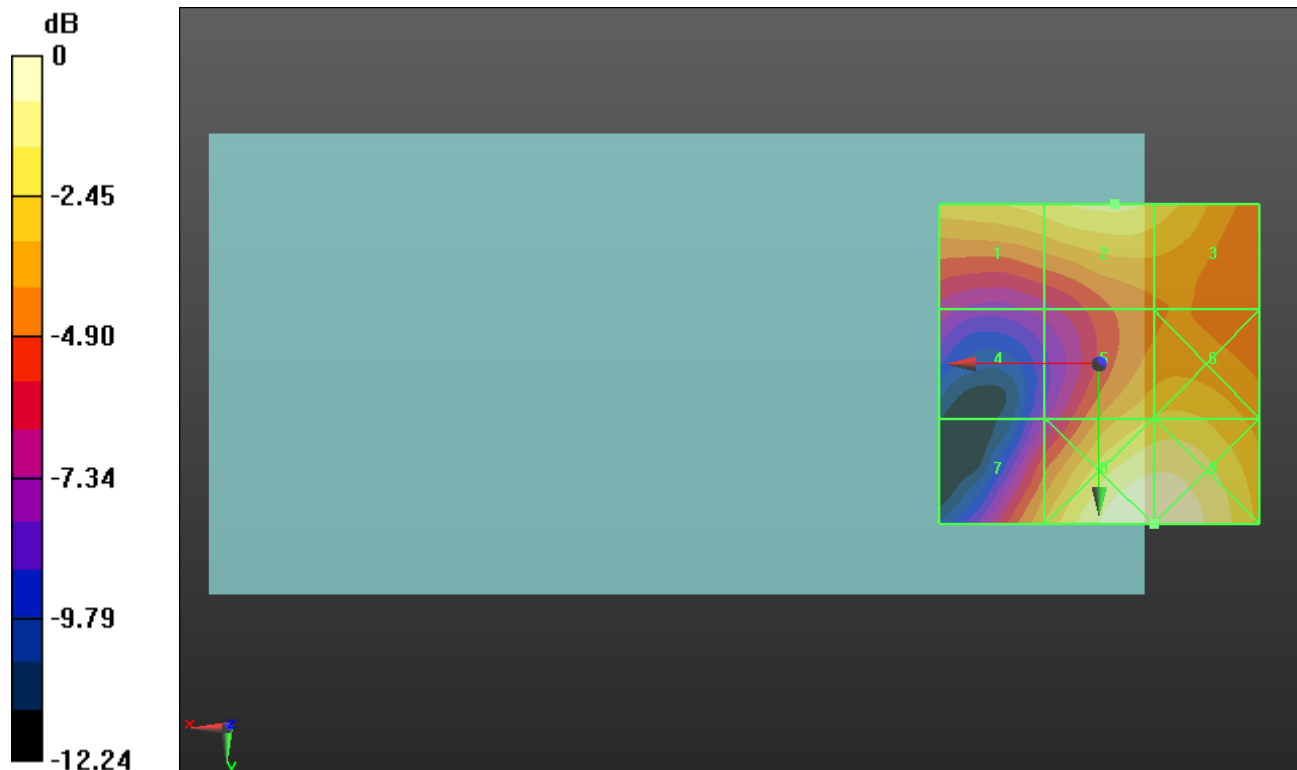
Applied MIF = 3.63 dB

RF audio interference level = 29.07 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 28.47 dBV/m	Grid 2 M4 29.07 dBV/m	Grid 3 M4 28.54 dBV/m
Grid 4 M4 23.68 dBV/m	Grid 5 M4 28.06 dBV/m	Grid 6 M4 28.24 dBV/m
Grid 7 M4 27.26 dBV/m	Grid 8 M3 30.43 dBV/m	Grid 9 M3 30.43 dBV/m



0 dB = 33.21 V/m = 30.43 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 = 12.23 V/m; Power Drift = -0.03 dB

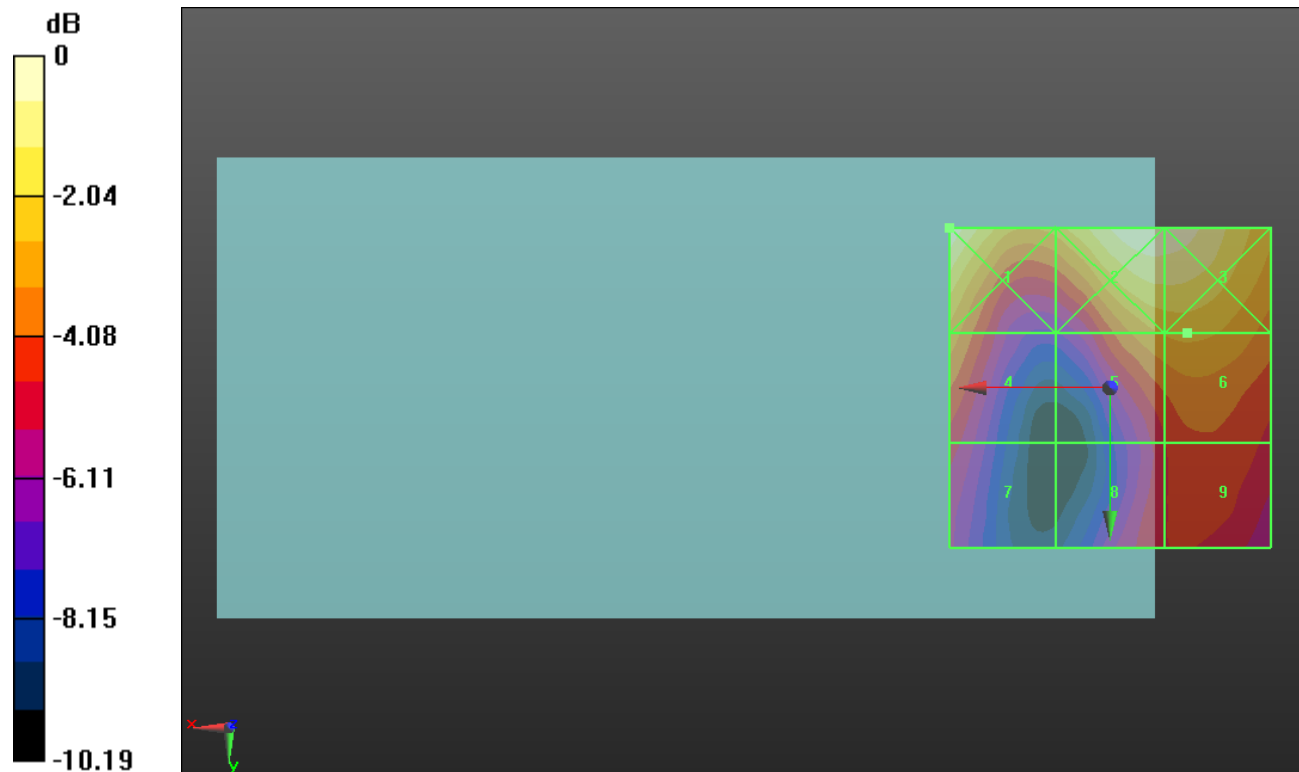
Applied MIF = -1.44 dB

RF audio interference level = 23.03 dBV/m

Emission category: **M4**

MIF scaled E-field

Grid 1 M4 25.54 dBV/m	Grid 2 M4 25.43 dBV/m	Grid 3 M4 25.34 dBV/m
Grid 4 M4 22.62 dBV/m	Grid 5 M4 22.89 dBV/m	Grid 6 M4 23.03 dBV/m
Grid 7 M4 20.49 dBV/m	Grid 8 M4 20.78 dBV/m	Grid 9 M4 21.36 dBV/m



0 dB = 18.92 V/m = 25.54 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 = 12.24 V/m; Power Drift = -0.13 dB

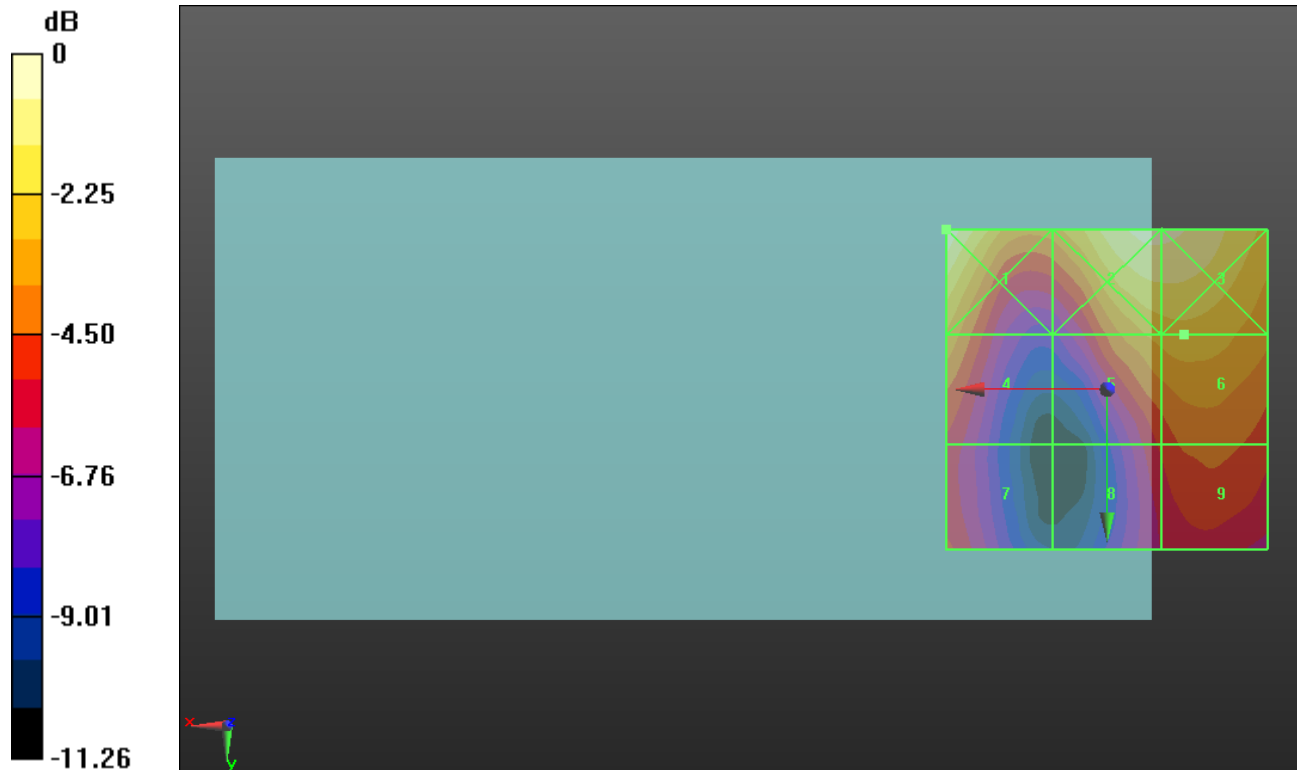
Applied MIF = -1.44 dB

RF audio interference level = 22.70 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 25.22 dBV/m	Grid 2 M4 24.7 dBV/m	Grid 3 M4 24.65 dBV/m
Grid 4 M4 22.13 dBV/m	Grid 5 M4 22.51 dBV/m	Grid 6 M4 22.7 dBV/m
Grid 7 M4 20.22 dBV/m	Grid 8 M4 20.19 dBV/m	Grid 9 M4 20.97 dBV/m



0 dB = 18.23 V/m = 25.22 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 = 10.46 V/m; Power Drift = -0.02 dB

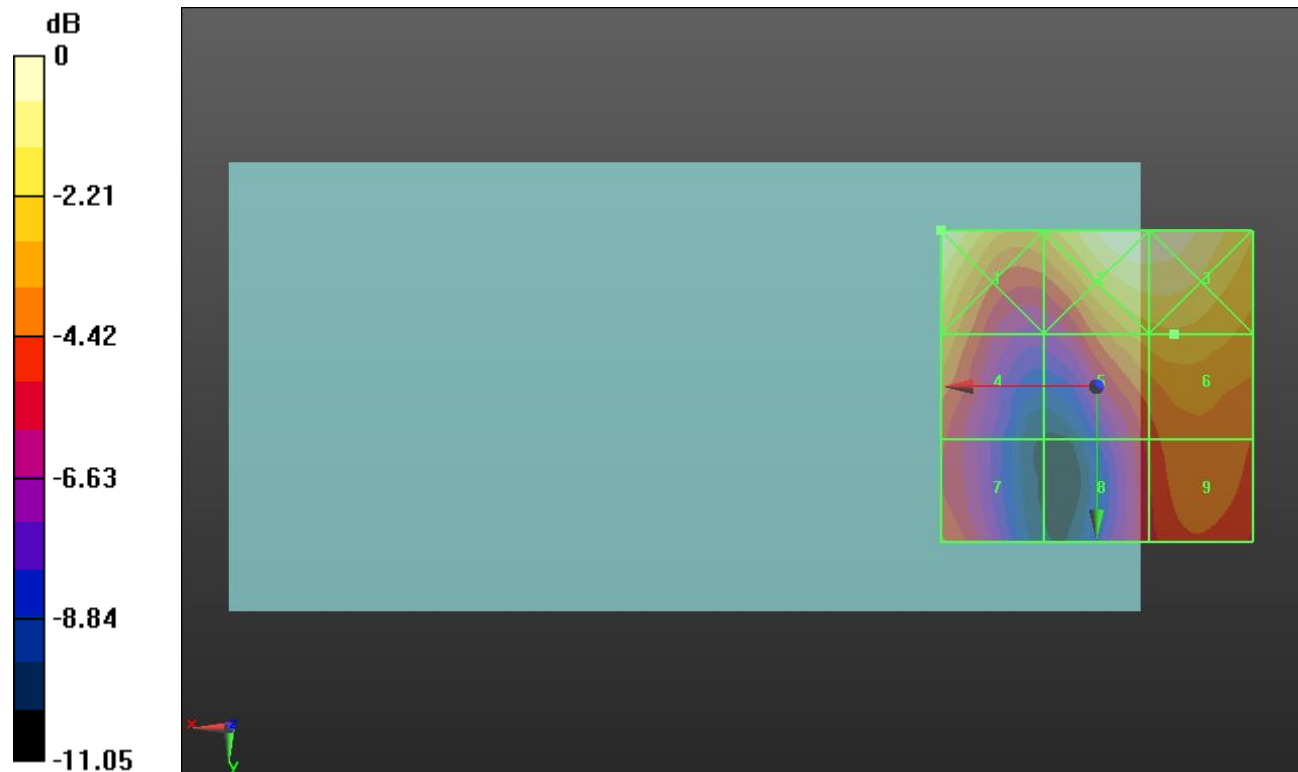
Applied MIF = -1.44 dB

RF audio interference level = 21.99 dBV/m

Emission category: **M4**

MIF scaled E-field

Grid 1 M4 24.31 dBV/m	Grid 2 M4 24.27 dBV/m	Grid 3 M4 24.22 dBV/m
Grid 4 M4 21.54 dBV/m	Grid 5 M4 21.79 dBV/m	Grid 6 M4 21.99 dBV/m
Grid 7 M4 20.07 dBV/m	Grid 8 M4 19.48 dBV/m	Grid 9 M4 20.46 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 = 9.830 V/m; Power Drift = 0.14 dB

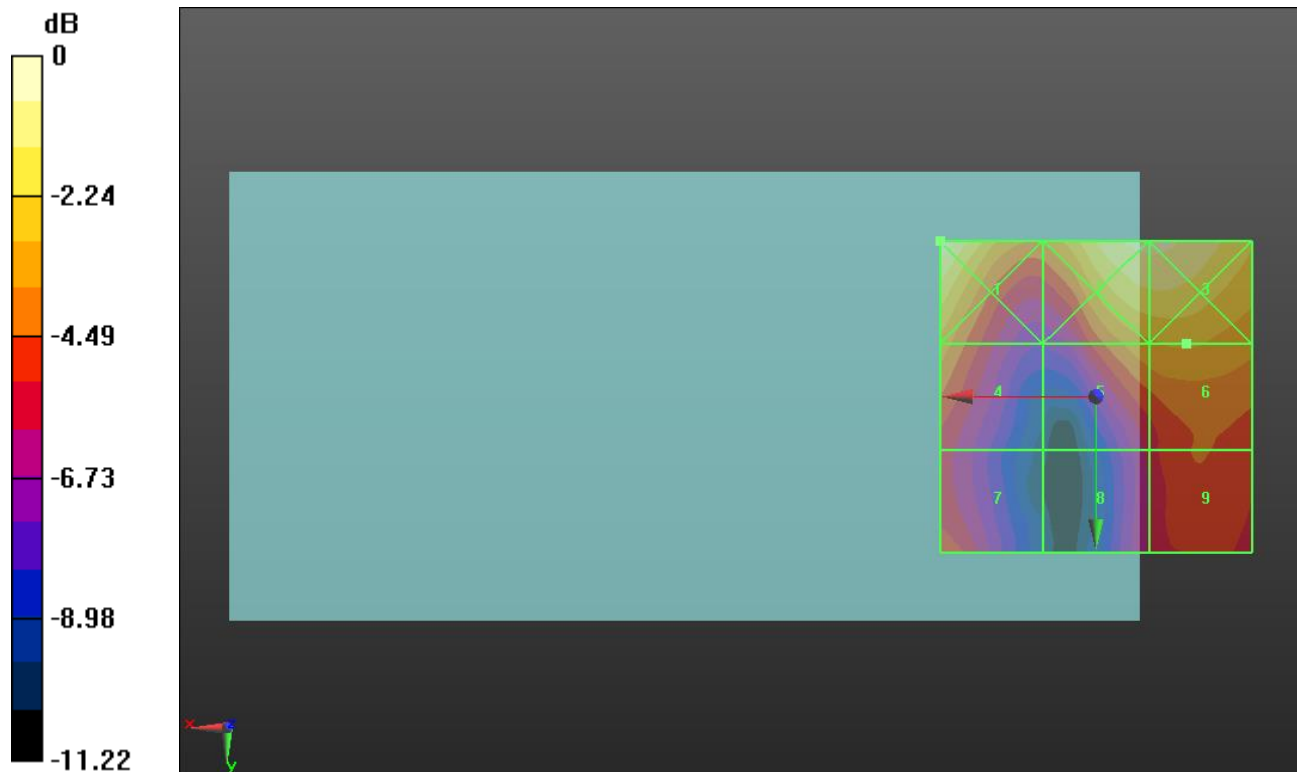
Applied MIF = -1.44 dB

RF audio interference level = 21.67 dBV/m

Emission category: **M4**

MIF scaled E-field

Grid 1 M4 24.53 dBV/m	Grid 2 M4 23.99 dBV/m	Grid 3 M4 23.99 dBV/m
Grid 4 M4 21.36 dBV/m	Grid 5 M4 21.41 dBV/m	Grid 6 M4 21.67 dBV/m
Grid 7 M4 20.02 dBV/m	Grid 8 M4 18.87 dBV/m	Grid 9 M4 20.11 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 = 7.433 V/m; Power Drift = 0.14 dB

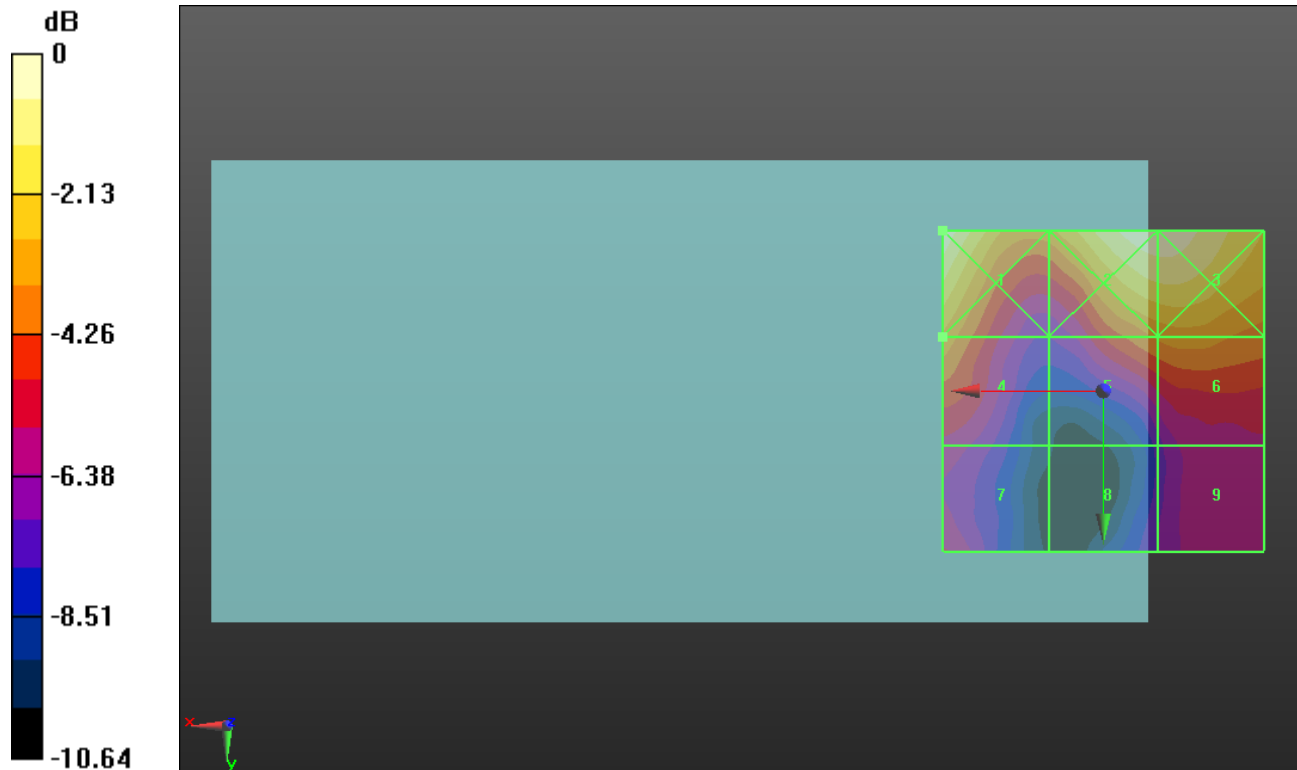
Applied MIF = -1.44 dB

RF audio interference level = 20.42 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 23.36 dBV/m	Grid 2 M4 23.14 dBV/m	Grid 3 M4 23.14 dBV/m
Grid 4 M4 20.42 dBV/m	Grid 5 M4 19.97 dBV/m	Grid 6 M4 20.24 dBV/m
Grid 7 M4 17.82 dBV/m	Grid 8 M4 16.35 dBV/m	Grid 9 M4 17.64 dBV/m



0 dB = 14.72 V/m = 23.36 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 = 22.53 V/m; Power Drift = 0.01 dB

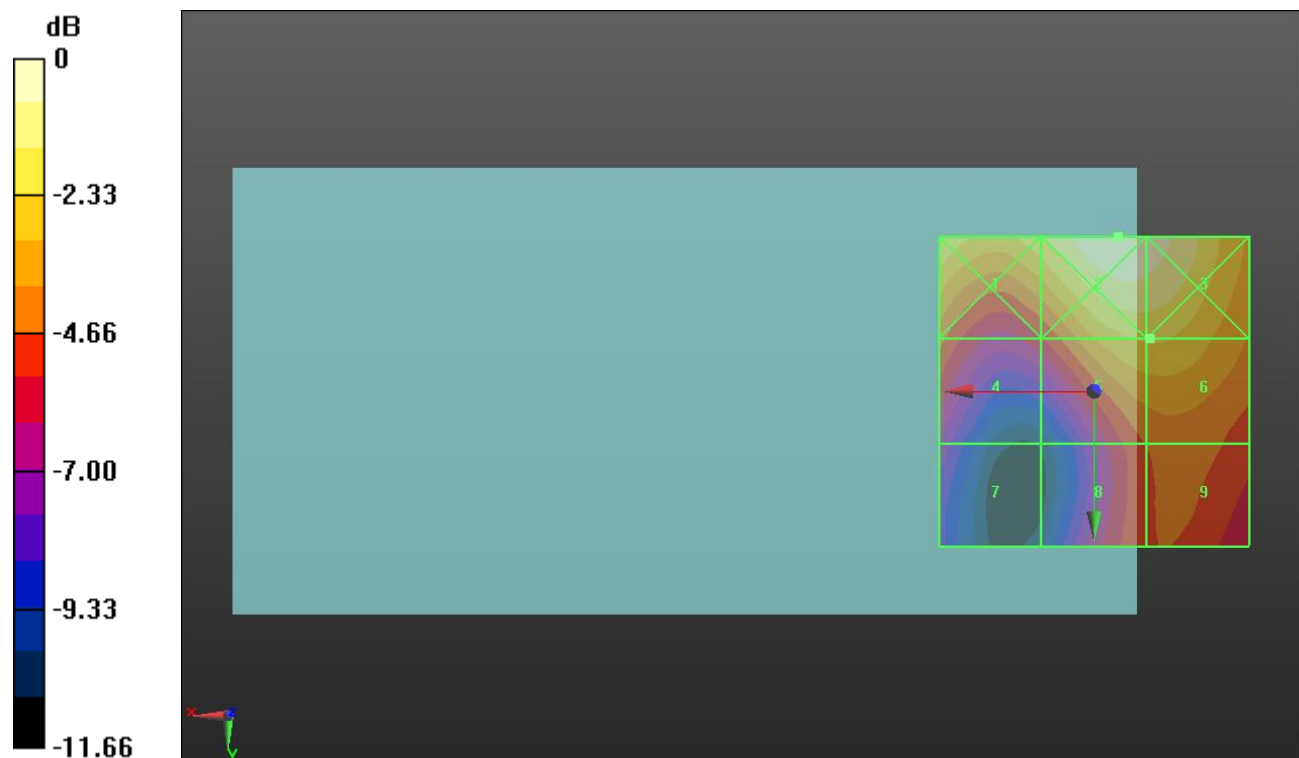
Applied MIF = -1.44 dB

RF audio interference level = 26.63 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 27.49 dBV/m	Grid 2 M4 28.84 dBV/m	Grid 3 M4 28.55 dBV/m
Grid 4 M4 24.54 dBV/m	Grid 5 M4 26.63 dBV/m	Grid 6 M4 26.63 dBV/m
Grid 7 M4 21.77 dBV/m	Grid 8 M4 24.25 dBV/m	Grid 9 M4 24.64 dBV/m



0 dB = 27.68 V/m = 28.84 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 = 26.27 V/m; Power Drift = -0.00 dB

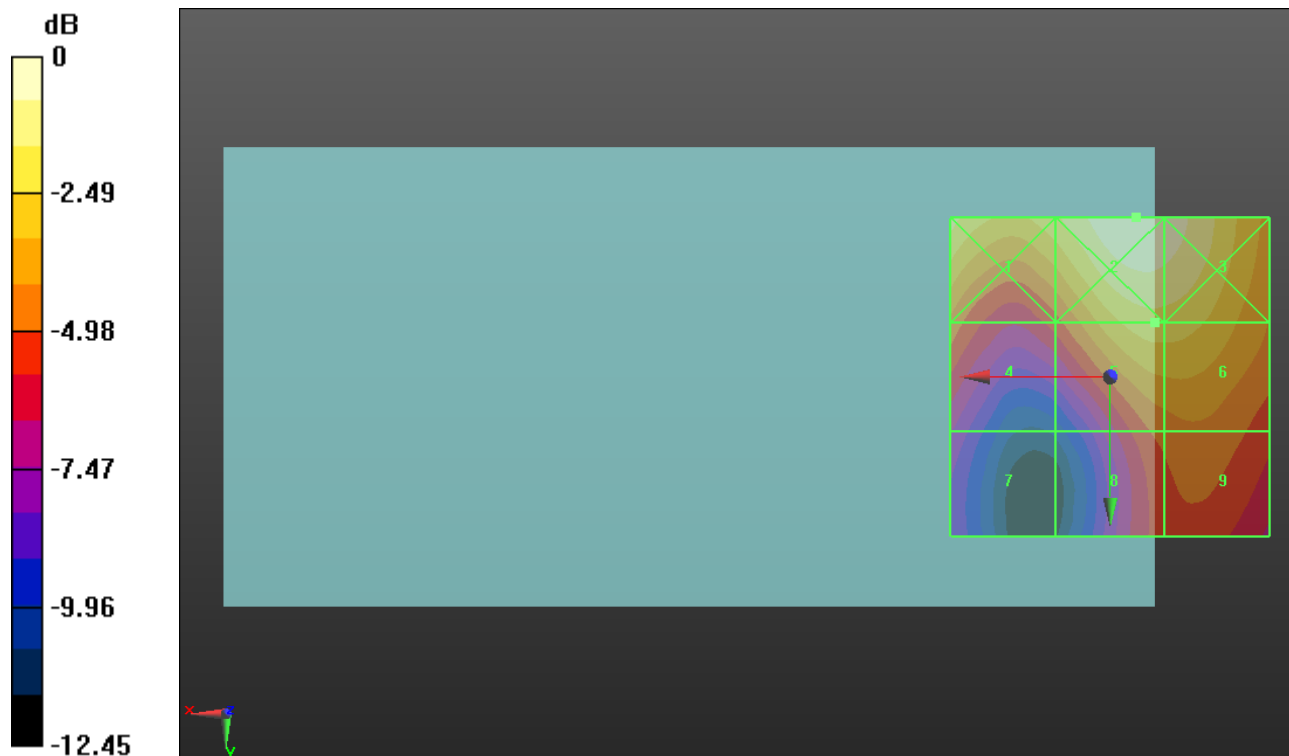
Applied MIF = -1.44 dB

RF audio interference level = 27.66 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 28.4 dBV/m	Grid 2 M4 29.66 dBV/m	Grid 3 M4 29.35 dBV/m
Grid 4 M4 25.32 dBV/m	Grid 5 M4 27.66 dBV/m	Grid 6 M4 27.64 dBV/m
Grid 7 M4 22.29 dBV/m	Grid 8 M4 25.06 dBV/m	Grid 9 M4 25.38 dBV/m



0 dB = 30.41 V/m = 29.66 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 = 21.55 V/m; Power Drift = 0.02 dB

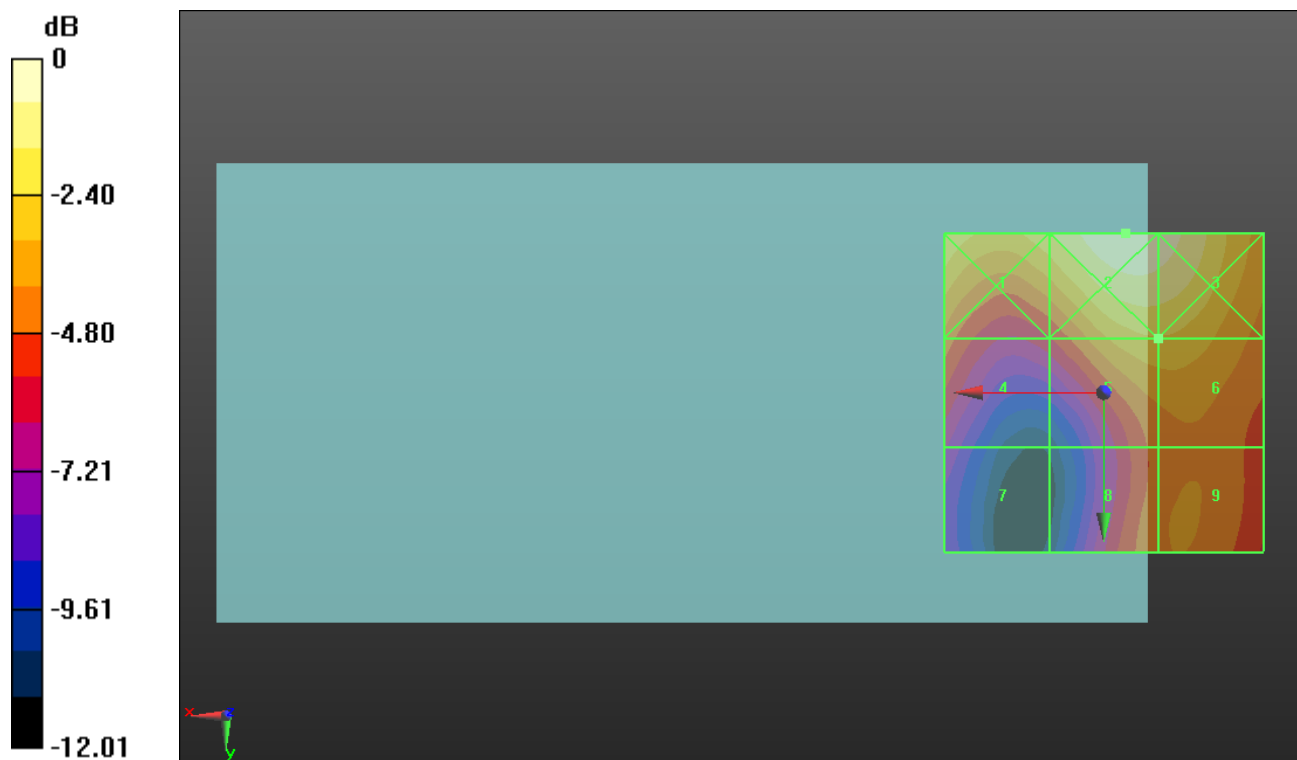
Applied MIF = -1.44 dB

RF audio interference level = 26.45 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 27.44 dBV/m	Grid 2 M4 28.91 dBV/m	Grid 3 M4 28.62 dBV/m
Grid 4 M4 24.71 dBV/m	Grid 5 M4 26.45 dBV/m	Grid 6 M4 26.45 dBV/m
Grid 7 M4 21.88 dBV/m	Grid 8 M4 24.74 dBV/m	Grid 9 M4 25.01 dBV/m



0 dB = 27.89 V/m = 28.91 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 = 17.97 V/m; Power Drift = -0.06 dB

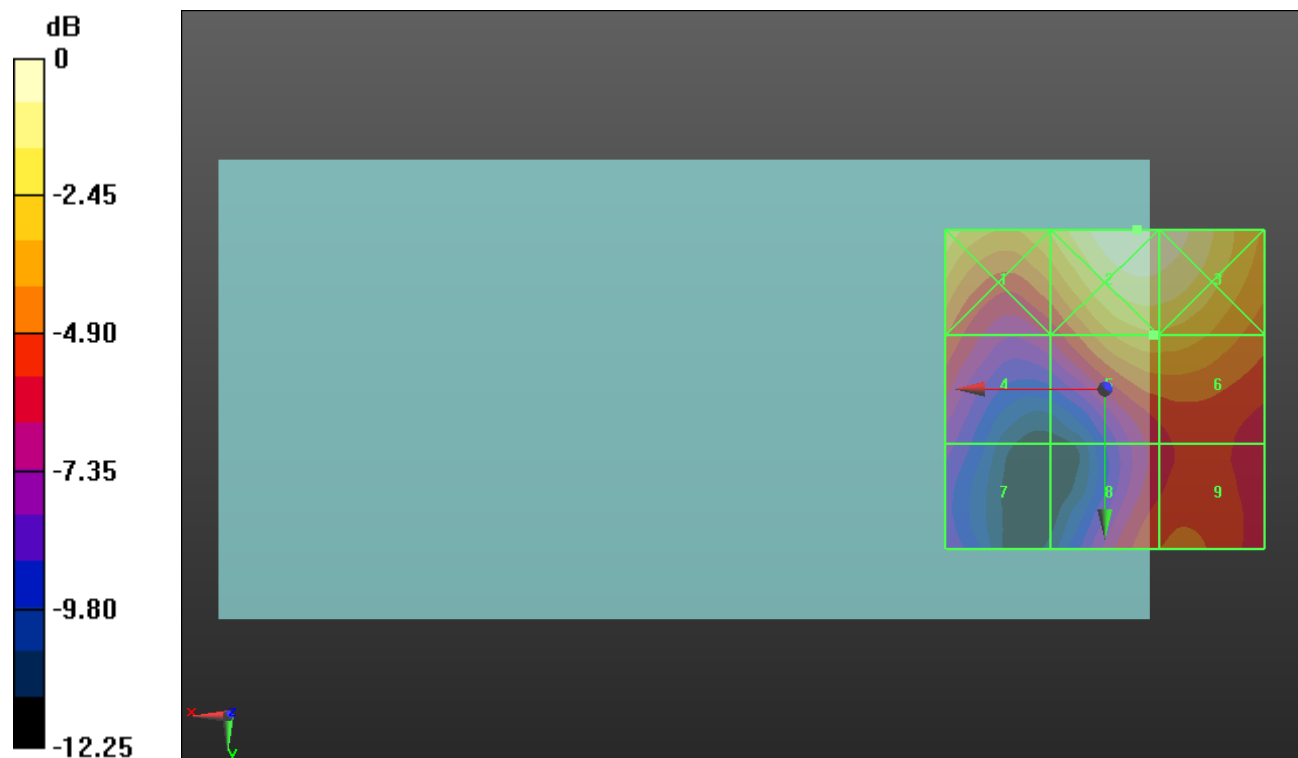
Applied MIF = -1.44 dB

RF audio interference level = 25.33 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 26.24 dBV/m	Grid 2 M4 27.95 dBV/m	Grid 3 M4 27.73 dBV/m
Grid 4 M4 23.21 dBV/m	Grid 5 M4 25.33 dBV/m	Grid 6 M4 25.32 dBV/m
Grid 7 M4 20.22 dBV/m	Grid 8 M4 23.06 dBV/m	Grid 9 M4 23.26 dBV/m



0 dB = 24.98 V/m = 27.95 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 = 17.43 V/m; Power Drift = -0.06 dB

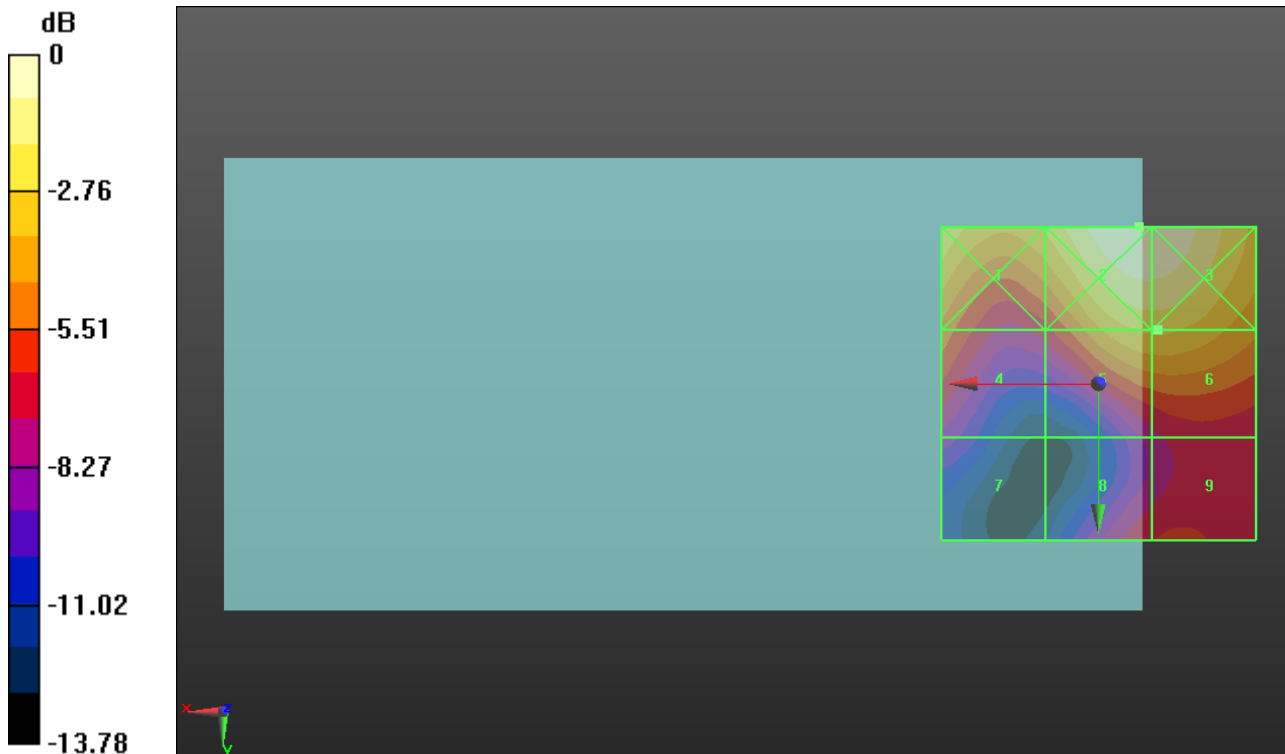
Applied MIF = -1.44 dB

RF audio interference level = 26.14 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 27.05 dBV/m	Grid 2 M4 28.72 dBV/m	Grid 3 M4 28.65 dBV/m
Grid 4 M4 23.92 dBV/m	Grid 5 M4 26.13 dBV/m	Grid 6 M4 26.14 dBV/m
Grid 7 M4 20.18 dBV/m	Grid 8 M4 22.32 dBV/m	Grid 9 M4 22.54 dBV/m



0 dB = 27.29 V/m = 28.72 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 = 9.709 V/m; Power Drift = 0.16 dB

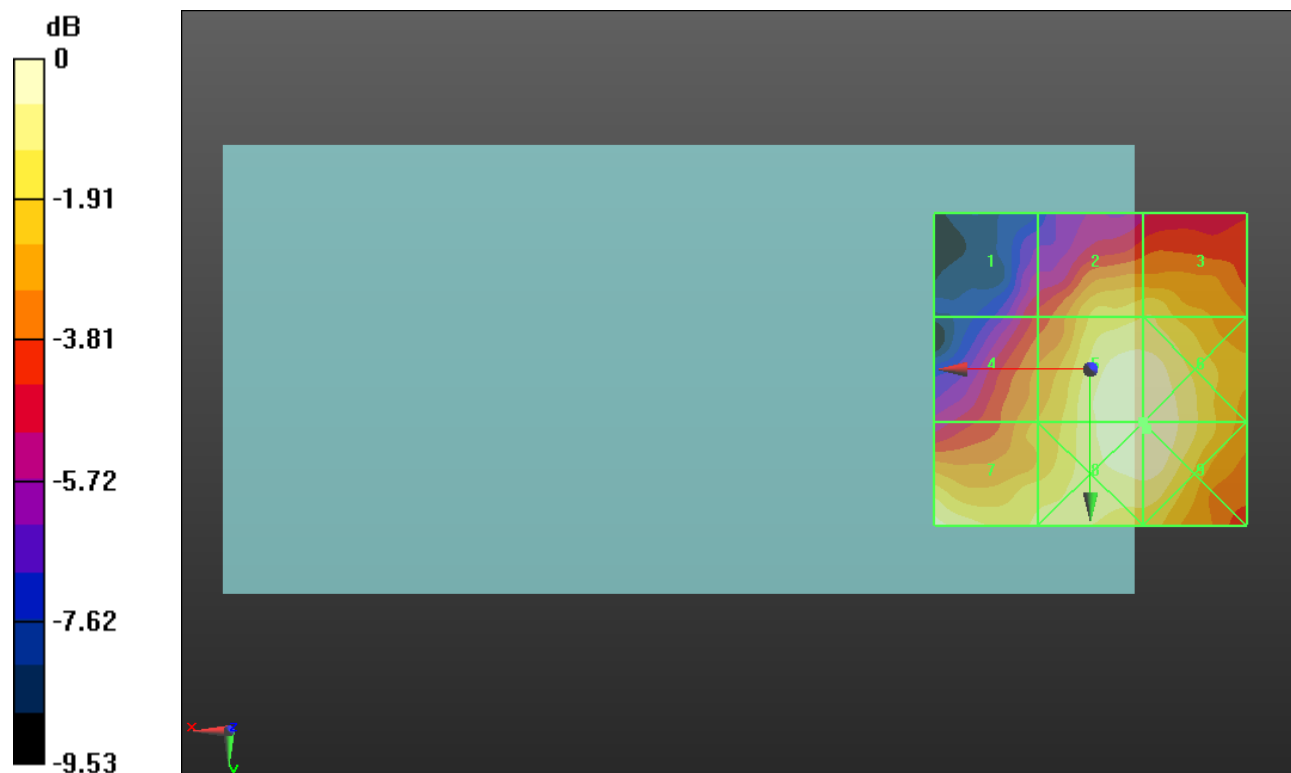
Applied MIF = -2.02 dB

RF audio interference level = 16.32 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 12.1 dBV/m	Grid 2 M4 15.09 dBV/m	Grid 3 M4 15.12 dBV/m
Grid 4 M4 13.92 dBV/m	Grid 5 M4 16.32 dBV/m	Grid 6 M4 16.33 dBV/m
Grid 7 M4 16.02 dBV/m	Grid 8 M4 16.35 dBV/m	Grid 9 M4 16.36 dBV/m



0 dB = 6.578 V/m = 16.36 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 = 12.50 V/m; Power Drift = -0.13 dB

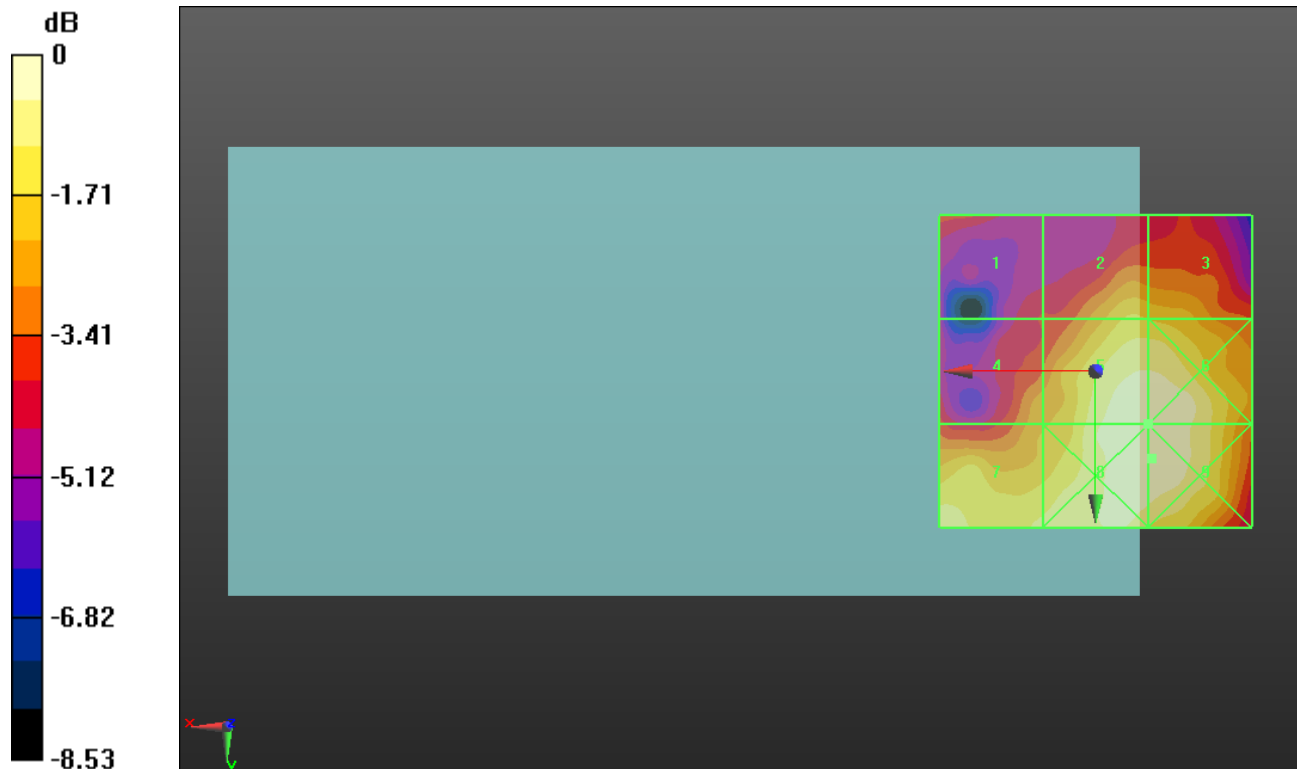
Applied MIF = -2.02 dB

RF audio interference level = 18.83 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 15.21 dBV/m	Grid 2 M4 17.29 dBV/m	Grid 3 M4 17.14 dBV/m
Grid 4 M4 16.52 dBV/m	Grid 5 M4 18.83 dBV/m	Grid 6 M4 18.84 dBV/m
Grid 7 M4 18.29 dBV/m	Grid 8 M4 18.87 dBV/m	Grid 9 M4 18.88 dBV/m



0 dB = 8.788 V/m = 18.88 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 = 13.96 V/m; Power Drift = -0.03 dB

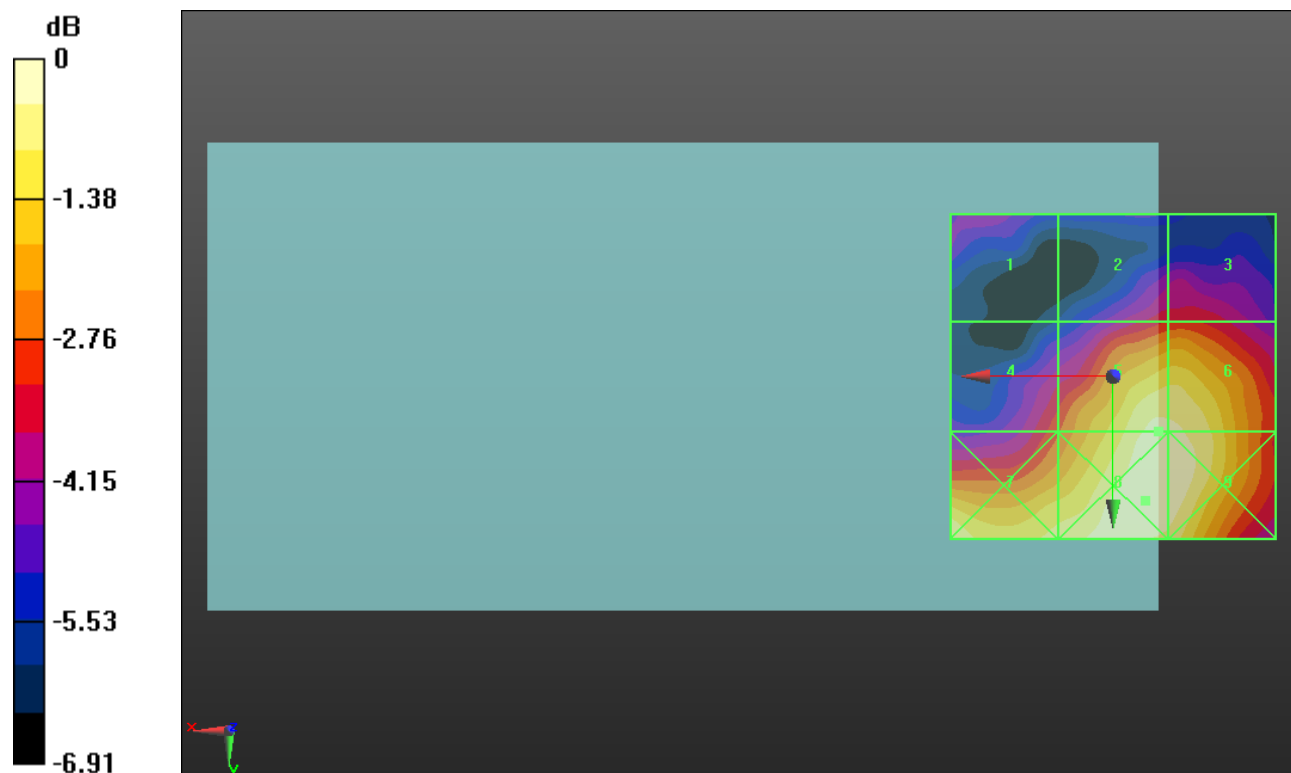
Applied MIF = -2.02 dB

RF audio interference level = 19.67 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 15.84 dBV/m	Grid 2 M4 16.75 dBV/m	Grid 3 M4 16.81 dBV/m
Grid 4 M4 17.15 dBV/m	Grid 5 M4 19.67 dBV/m	Grid 6 M4 19.64 dBV/m
Grid 7 M4 19.65 dBV/m	Grid 8 M4 19.97 dBV/m	Grid 9 M4 19.93 dBV/m



0 dB = 9.971 V/m = 19.97 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 = 13.39 V/m; Power Drift = -0.05 dB

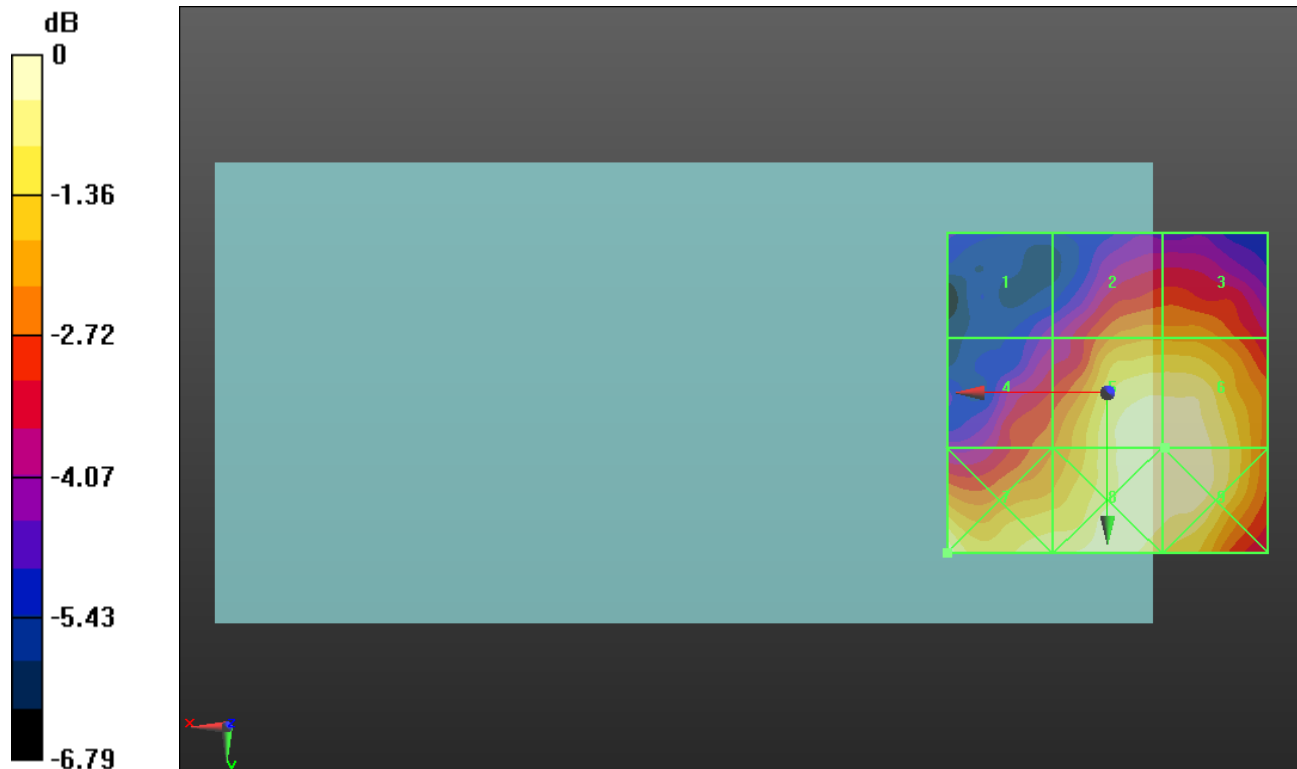
Applied MIF = 0.12 dB

RF audio interference level = 21.46 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 17.34 dBV/m	Grid 2 M4 19.65 dBV/m	Grid 3 M4 19.62 dBV/m
Grid 4 M4 19.21 dBV/m	Grid 5 M4 21.46 dBV/m	Grid 6 M4 21.46 dBV/m
Grid 7 M4 21.49 dBV/m	Grid 8 M4 21.49 dBV/m	Grid 9 M4 21.49 dBV/m



0 dB = 11.88 V/m = 21.50 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 = 12.58 V/m; Power Drift = -0.18 dB

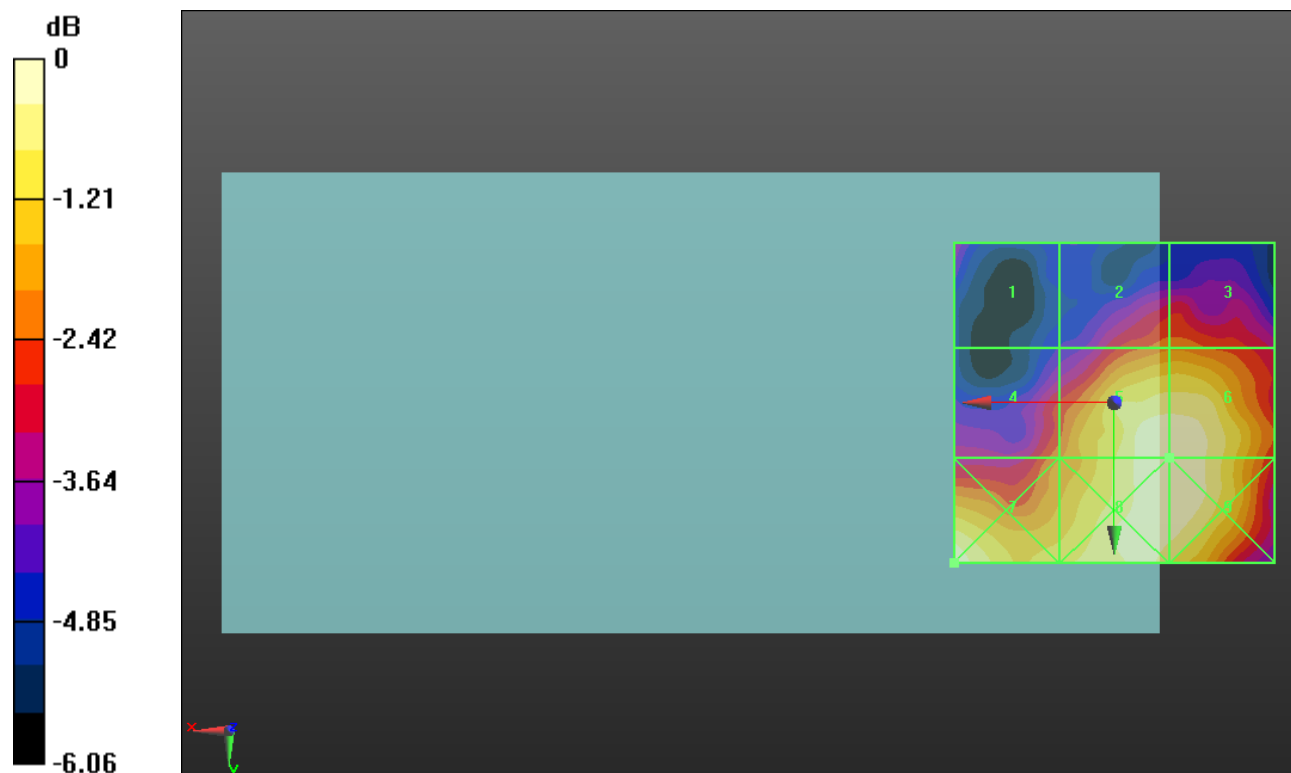
Applied MIF = 0.12 dB

RF audio interference level = 20.52 dBV/m

Emission category: **M4**

MIF scaled E-field

Grid 1 M4 17.21 dBV/m	Grid 2 M4 18.5 dBV/m	Grid 3 M4 18.51 dBV/m
Grid 4 M4 18.52 dBV/m	Grid 5 M4 20.52 dBV/m	Grid 6 M4 20.52 dBV/m
Grid 7 M4 20.58 dBV/m	Grid 8 M4 20.54 dBV/m	Grid 9 M4 20.54 dBV/m



0 dB = 10.69 V/m = 20.58 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 = 12.52 V/m; Power Drift = 0.01 dB

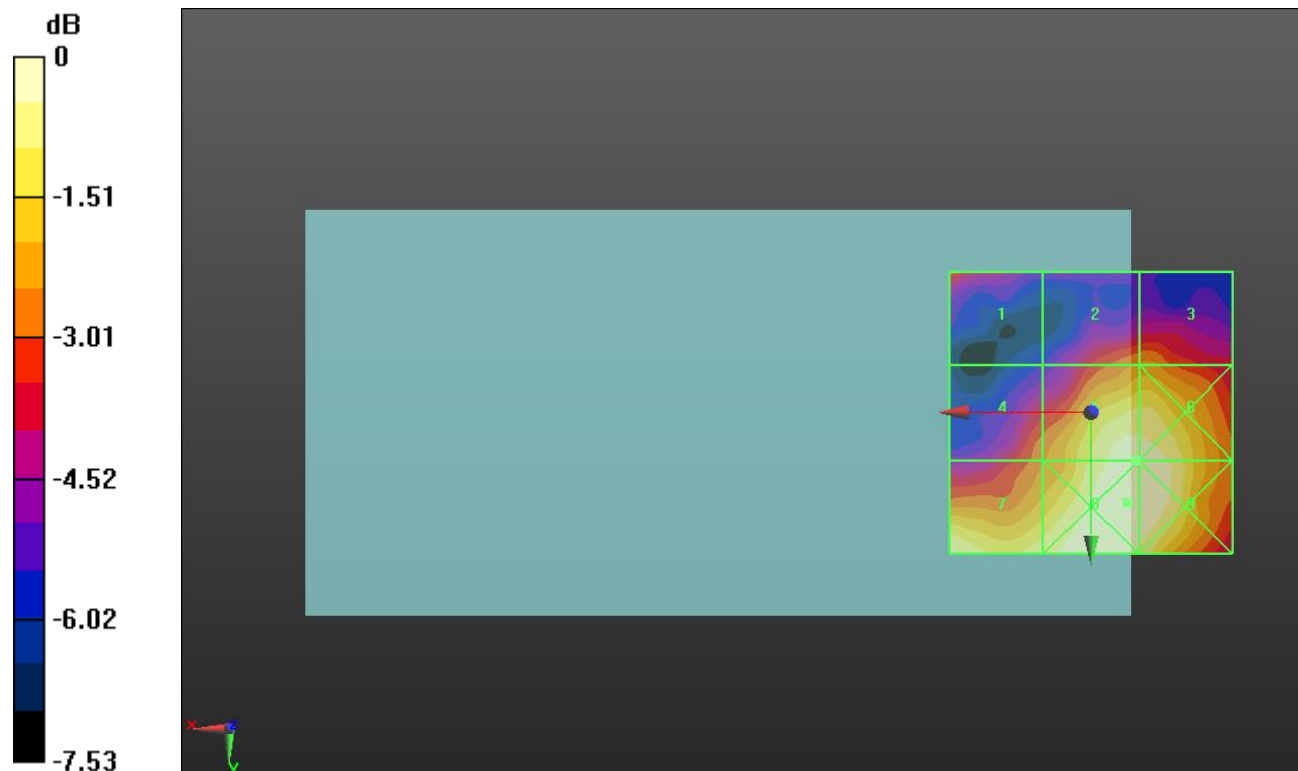
Applied MIF = 0.12 dB

RF audio interference level = 20.73 dBV/m

Emission category: **M4**

MIF scaled E-field

Grid 1 M4 18.03 dBV/m	Grid 2 M4 18.56 dBV/m	Grid 3 M4 18.61 dBV/m
Grid 4 M4 18.4 dBV/m	Grid 5 M4 20.73 dBV/m	Grid 6 M4 20.73 dBV/m
Grid 7 M4 20.69 dBV/m	Grid 8 M4 20.97 dBV/m	Grid 9 M4 20.95 dBV/m



0 dB = 11.18 V/m = 20.97 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 = 15.12 V/m; Power Drift = -0.00 dB

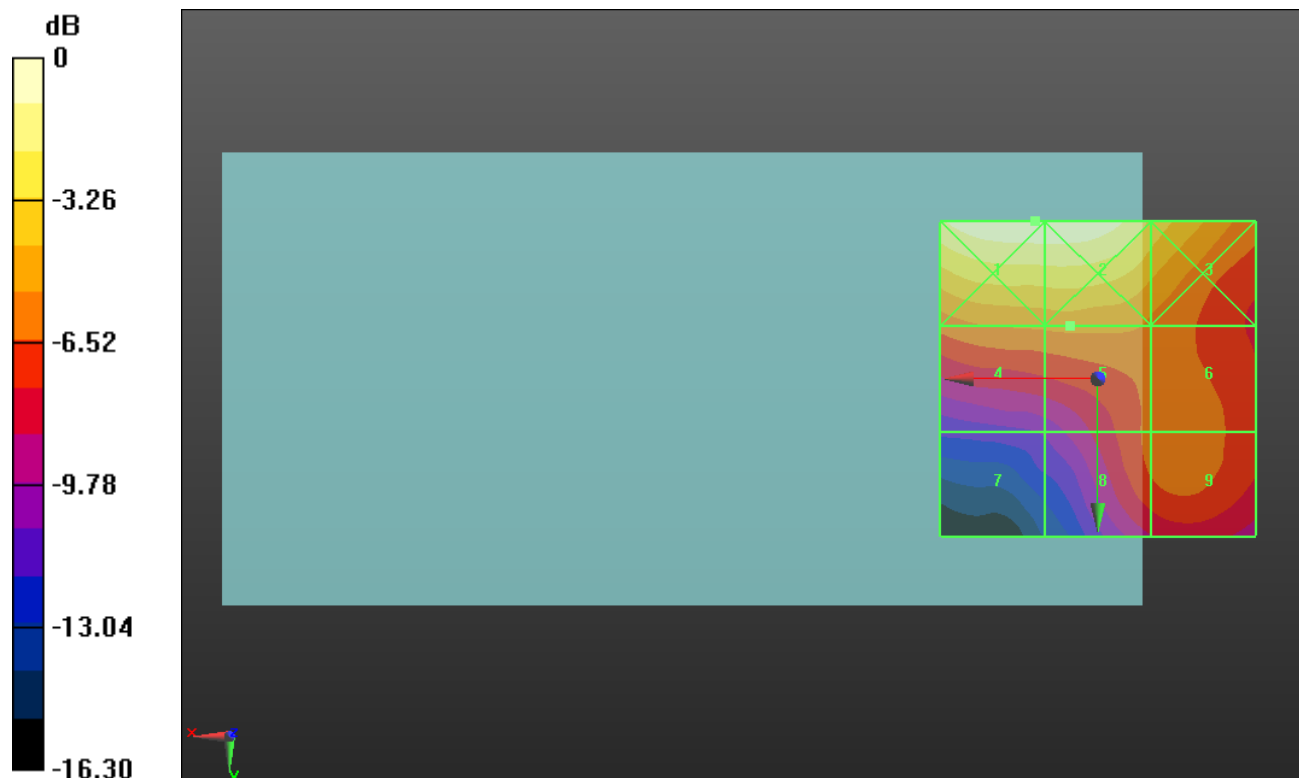
Applied MIF = 3.63 dB

RF audio interference level = 27.60 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M3 32.62 dBV/m	Grid 2 M3 32.62 dBV/m	Grid 3 M3 30.23 dBV/m
Grid 4 M4 27.46 dBV/m	Grid 5 M4 27.6 dBV/m	Grid 6 M4 27 dBV/m
Grid 7 M4 22.03 dBV/m	Grid 8 M4 26.62 dBV/m	Grid 9 M4 27 dBV/m



0 dB = 42.78 V/m = 32.62 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 = 15.58 V/m; Power Drift = -0.03 dB

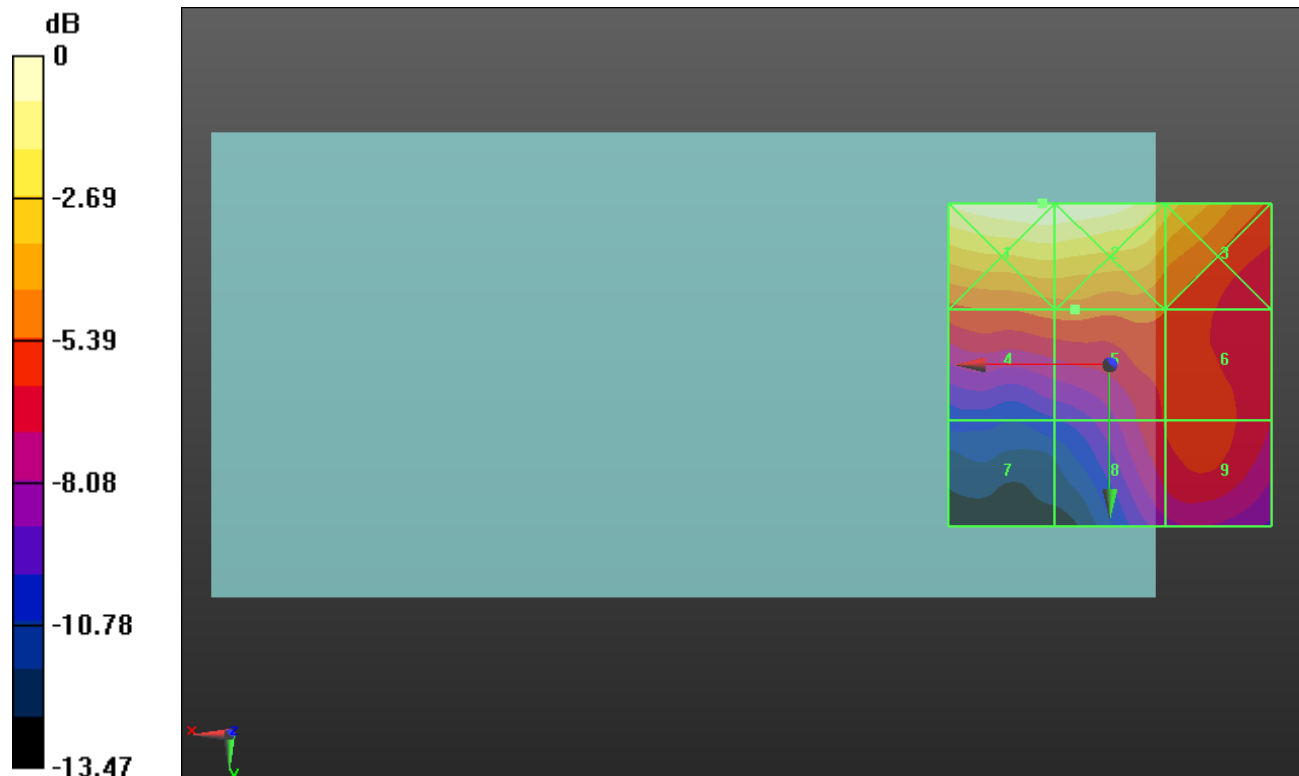
Applied MIF = 3.63 dB

RF audio interference level = 27.48 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M3 32.4 dBV/m	Grid 2 M3 32.39 dBV/m	Grid 3 M3 30.31 dBV/m
Grid 4 M4 27.42 dBV/m	Grid 5 M4 27.48 dBV/m	Grid 6 M4 27.05 dBV/m
Grid 7 M4 22.49 dBV/m	Grid 8 M4 26.23 dBV/m	Grid 9 M4 26.78 dBV/m



0 dB = 41.68 V/m = 32.40 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 = 15.64 V/m; Power Drift = -0.10 dB

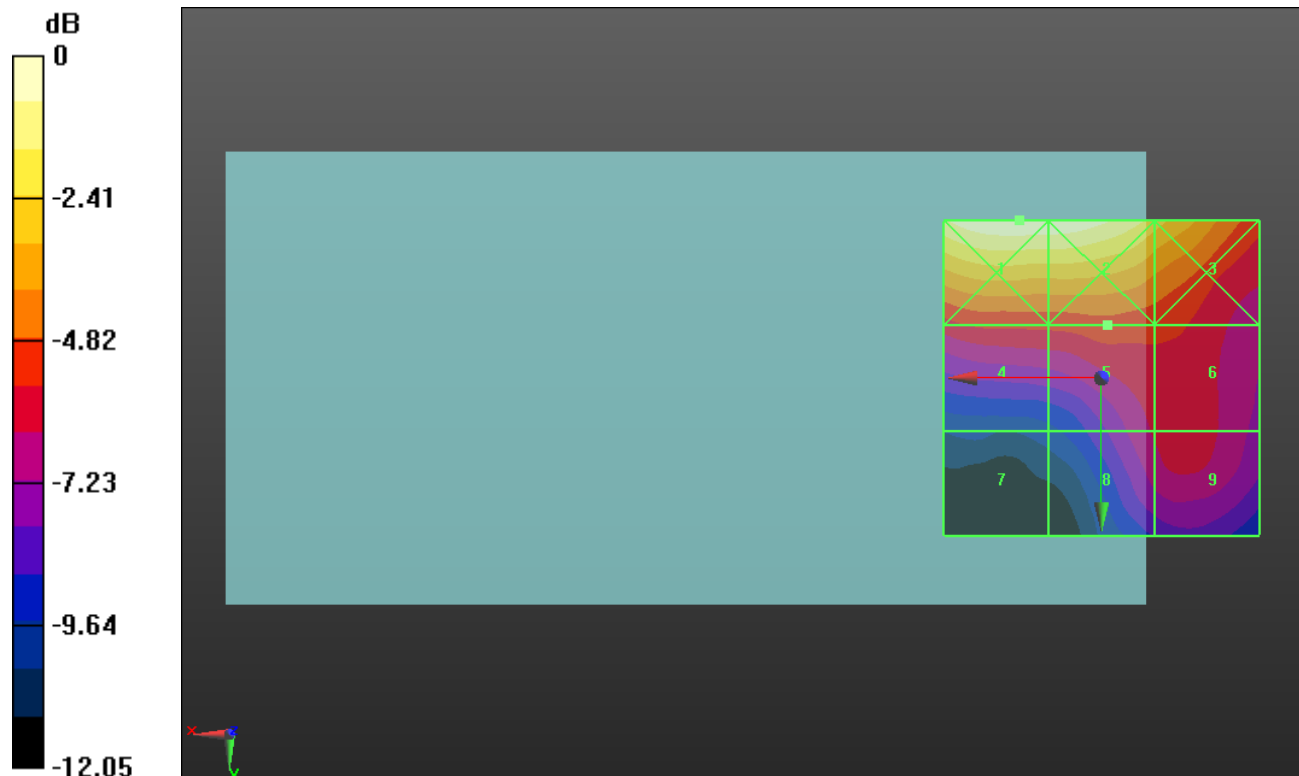
Applied MIF = 3.63 dB

RF audio interference level = 27.15 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M3 32.24 dBV/m	Grid 2 M3 32.19 dBV/m	Grid 3 M3 30.22 dBV/m
Grid 4 M4 26.87 dBV/m	Grid 5 M4 27.15 dBV/m	Grid 6 M4 26.97 dBV/m
Grid 7 M4 22.34 dBV/m	Grid 8 M4 25.96 dBV/m	Grid 9 M4 26.3 dBV/m



0 dB = 40.91 V/m = 32.24 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): Interpolated grid: dx=0.5000 mm, dy=0.5000 mm

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 19.81 V/m; Power Drift = -0.04 dB

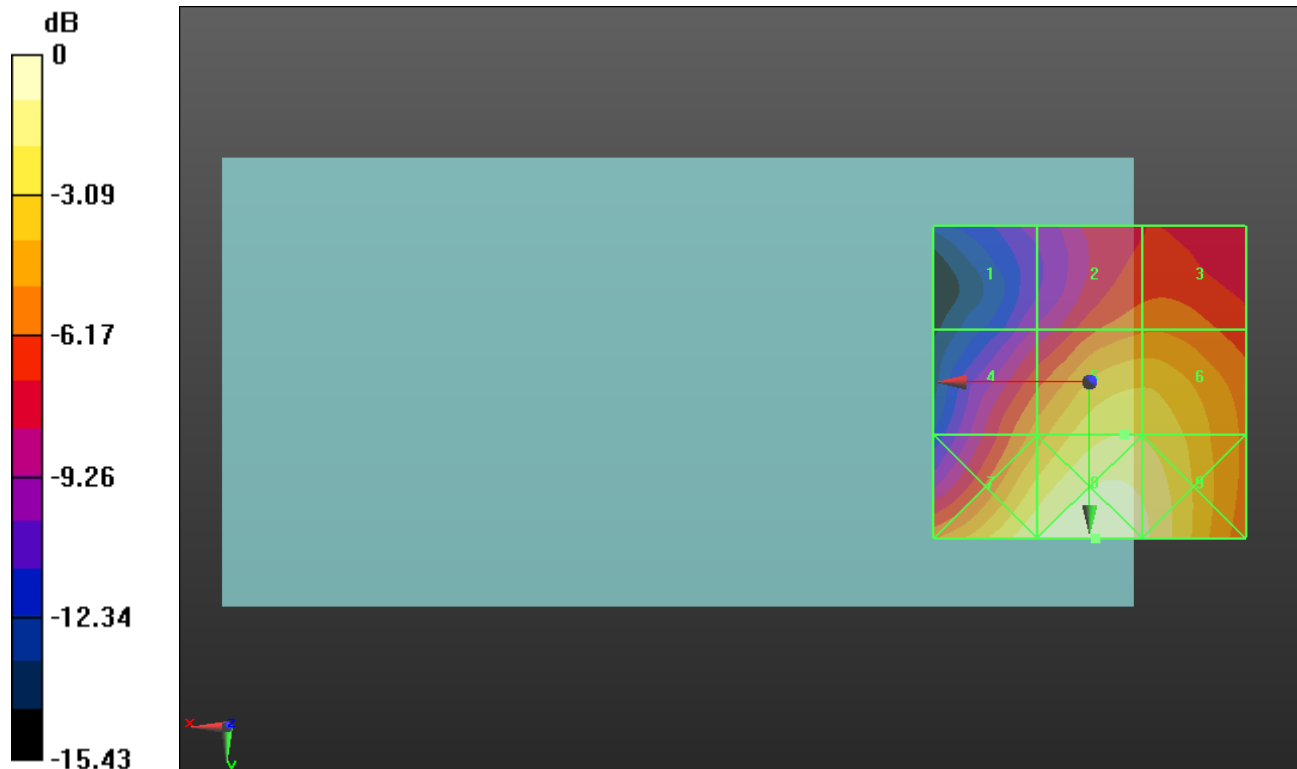
Applied MIF = -1.44 dB

RF audio interference level = 23.79 dBV/m

Emission category: **M4**

MIF scaled E-field

Grid 1 M4 16.77 dBV/m	Grid 2 M4 20.53 dBV/m	Grid 3 M4 20.59 dBV/m
Grid 4 M4 21.2 dBV/m	Grid 5 M4 23.79 dBV/m	Grid 6 M4 23.69 dBV/m
Grid 7 M4 24.73 dBV/m	Grid 8 M4 25.81 dBV/m	Grid 9 M4 25.03 dBV/m



0 dB = 19.52 V/m = 25.81 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 = 20.93 V/m; Power Drift = -0.03 dB

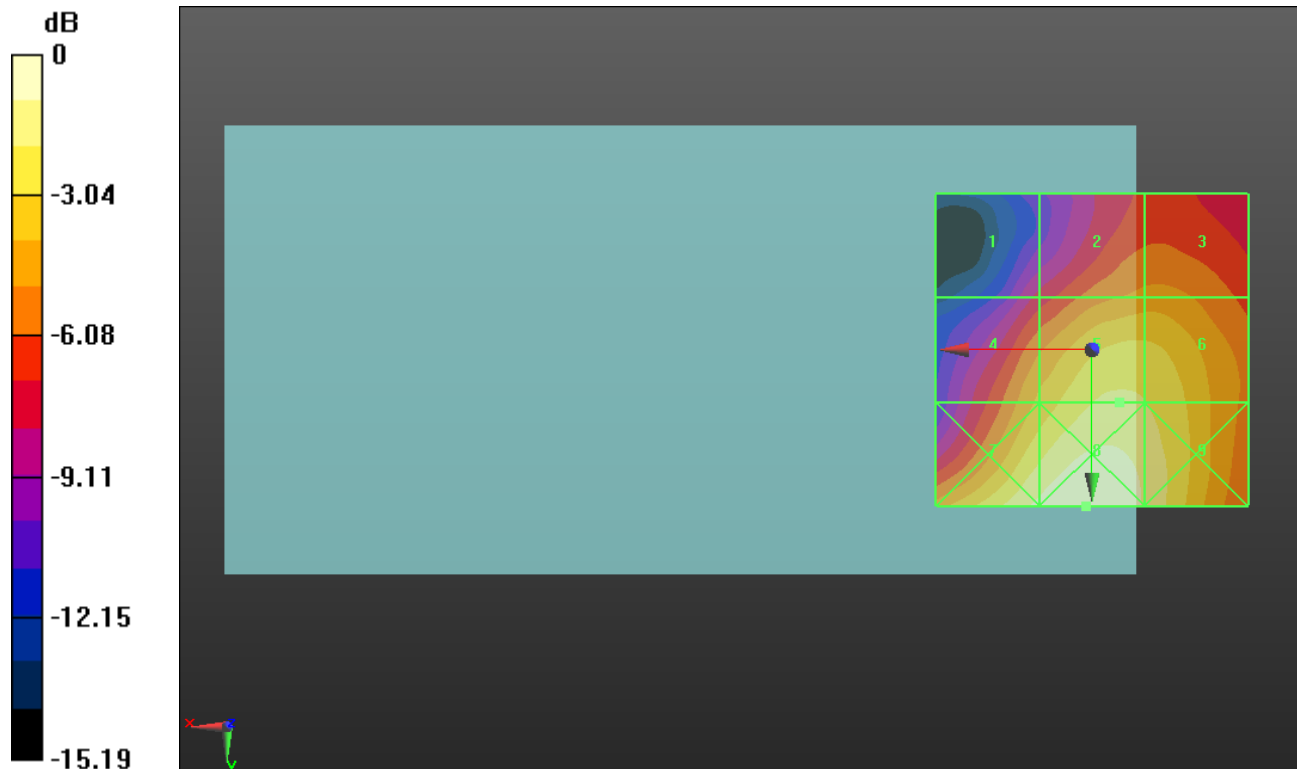
Applied MIF = -1.44 dB

RF audio interference level = 23.59 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 17.66 dBV/m	Grid 2 M4 20.68 dBV/m	Grid 3 M4 20.71 dBV/m
Grid 4 M4 21.59 dBV/m	Grid 5 M4 23.59 dBV/m	Grid 6 M4 23.36 dBV/m
Grid 7 M4 24.62 dBV/m	Grid 8 M4 25.36 dBV/m	Grid 9 M4 24.22 dBV/m



0 dB = 18.53 V/m = 25.36 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): Interpolated grid: dx=0.5000 mm, dy=0.5000 mm

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 22.14 V/m; Power Drift = -0.02 dB

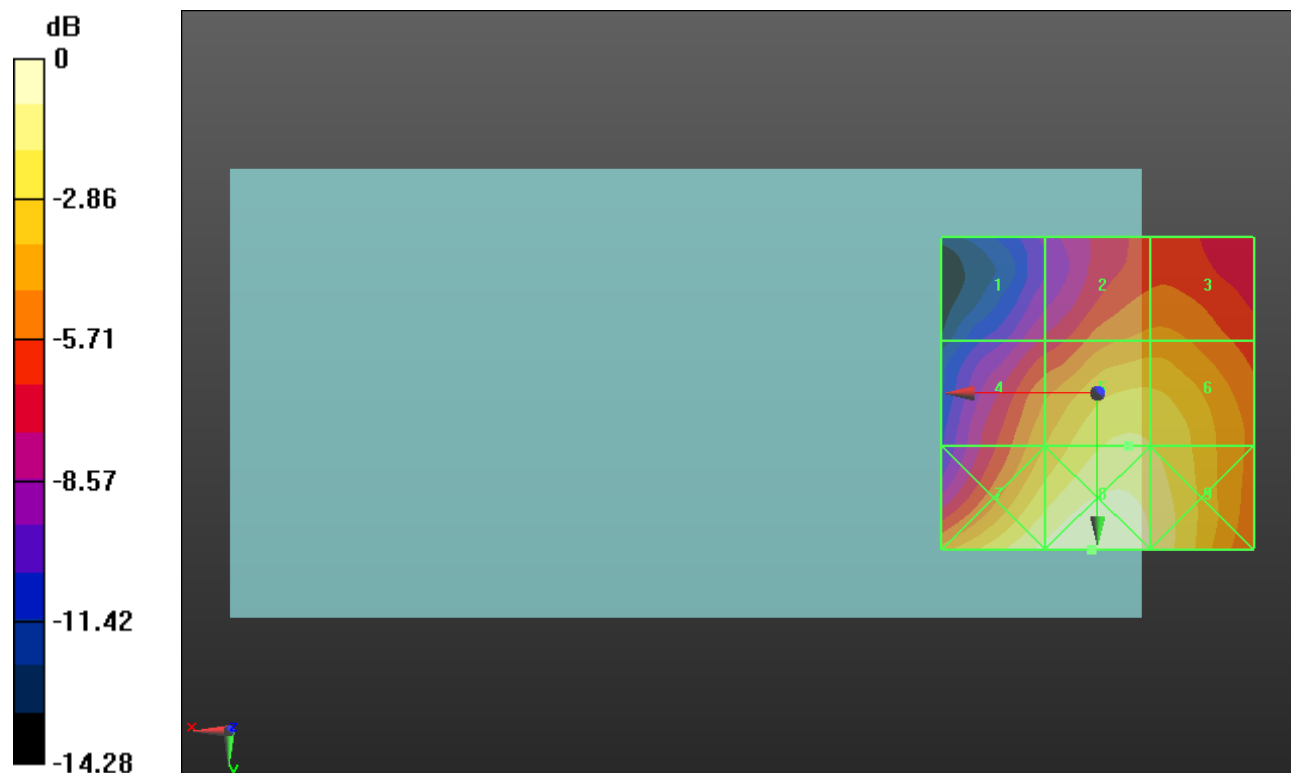
Applied MIF = -1.44 dB

RF audio interference level = 24.05 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 18.39 dBV/m	Grid 2 M4 21.36 dBV/m	Grid 3 M4 21.38 dBV/m
Grid 4 M4 21.94 dBV/m	Grid 5 M4 24.05 dBV/m	Grid 6 M4 23.88 dBV/m
Grid 7 M4 25.08 dBV/m	Grid 8 M4 25.74 dBV/m	Grid 9 M4 24.75 dBV/m



0 dB = 19.36 V/m = 25.74 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 = 22.37 V/m; Power Drift = -0.11 dB

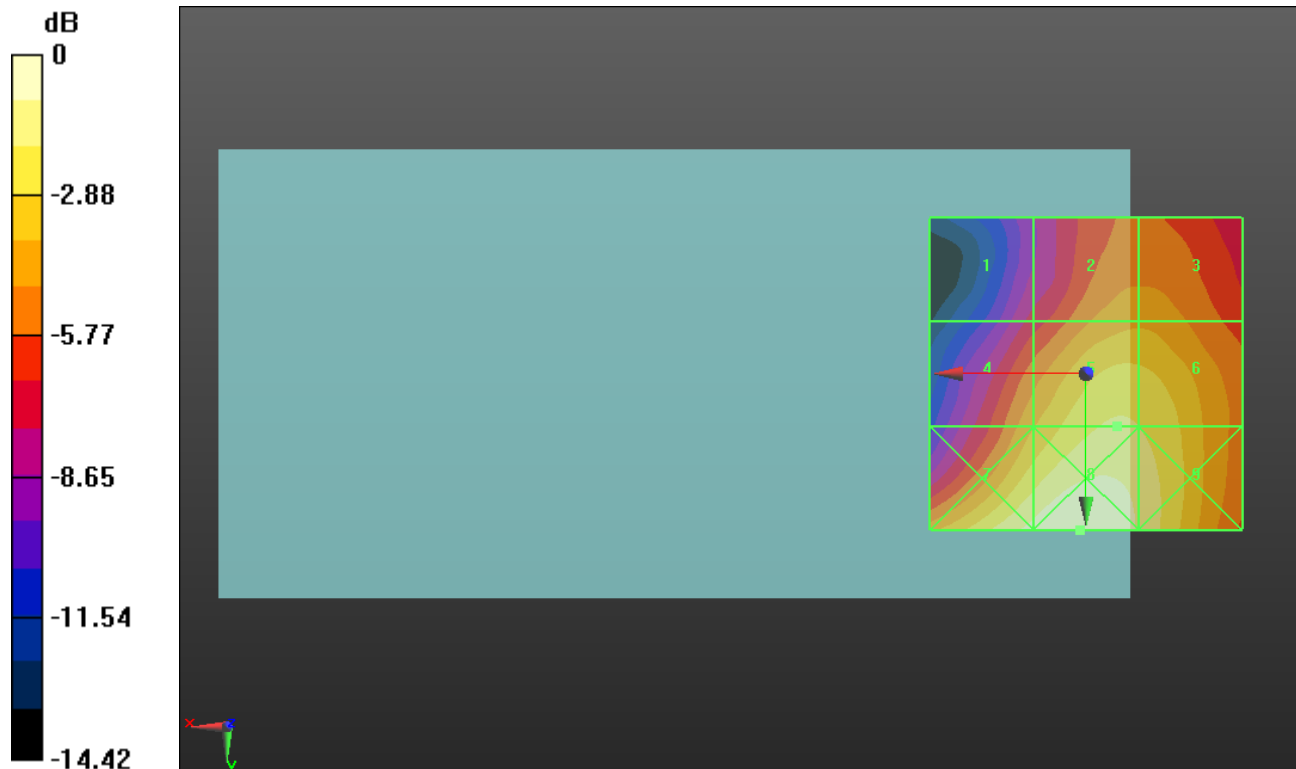
Applied MIF = -1.44 dB

RF audio interference level = 24.27 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 18.81 dBV/m	Grid 2 M4 22.04 dBV/m	Grid 3 M4 22.04 dBV/m
Grid 4 M4 22.15 dBV/m	Grid 5 M4 24.27 dBV/m	Grid 6 M4 24.14 dBV/m
Grid 7 M4 25.43 dBV/m	Grid 8 M4 26.06 dBV/m	Grid 9 M4 24.98 dBV/m



0 dB = 20.08 V/m = 26.06 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):

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 21.57 V/m; Power Drift = 0.05 dB

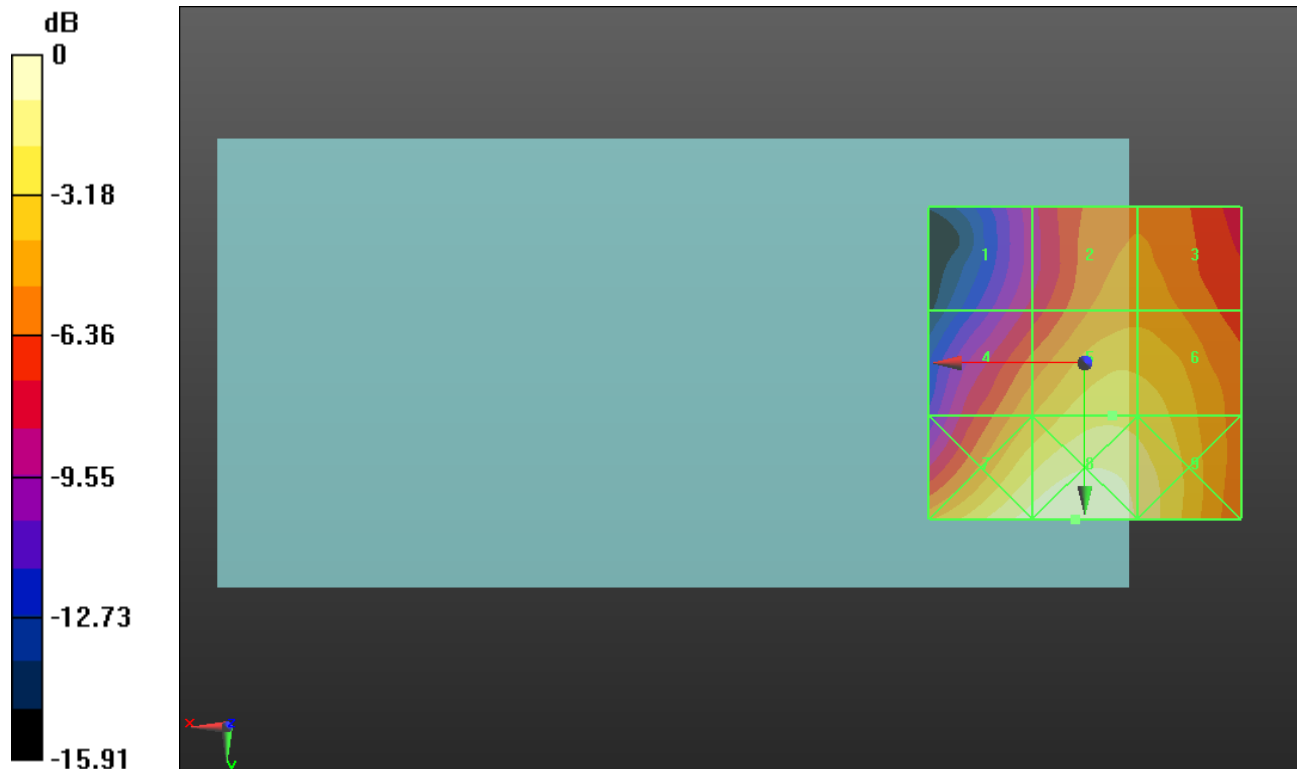
Applied MIF = -1.44 dB

RF audio interference level = 24.02 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 18.28 dBV/m	Grid 2 M4 21.71 dBV/m	Grid 3 M4 21.7 dBV/m
Grid 4 M4 22.09 dBV/m	Grid 5 M4 24.02 dBV/m	Grid 6 M4 23.86 dBV/m
Grid 7 M4 25.77 dBV/m	Grid 8 M4 26.33 dBV/m	Grid 9 M4 25.13 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 = 20.44 V/m; Power Drift = 0.03 dB

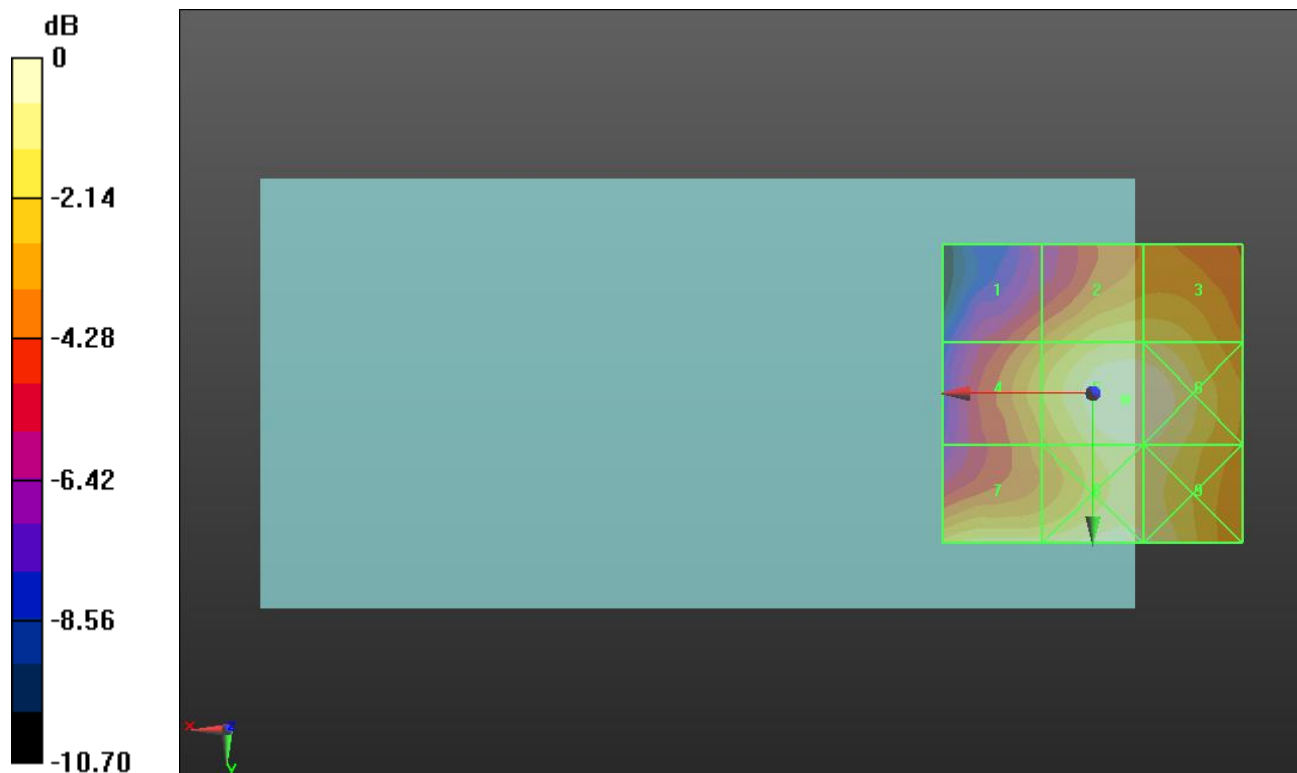
Applied MIF = -1.44 dB

RF audio interference level = 22.21 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 18.78 dBV/m	Grid 2 M4 20.9 dBV/m	Grid 3 M4 20.87 dBV/m
Grid 4 M4 20.04 dBV/m	Grid 5 M4 22.21 dBV/m	Grid 6 M4 22.08 dBV/m
Grid 7 M4 21.26 dBV/m	Grid 8 M4 22.09 dBV/m	Grid 9 M4 21.77 dBV/m



0 dB = 12.90 V/m = 22.21 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 = 18.43 V/m; Power Drift = -0.04 dB

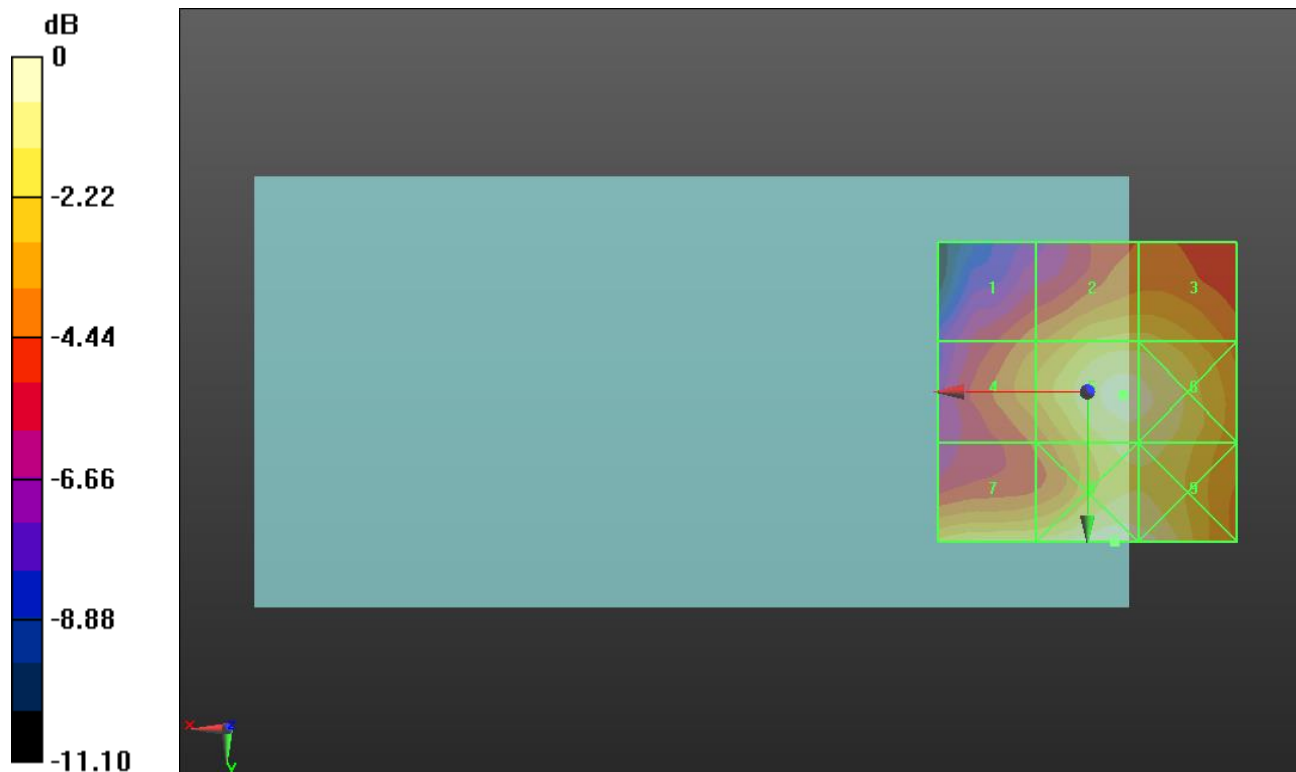
Applied MIF = -1.44 dB

RF audio interference level = 21.17 dBV/m

Emission category: **M4**

MIF scaled E-field

Grid 1 M4 17.77 dBV/m	Grid 2 M4 19.75 dBV/m	Grid 3 M4 19.74 dBV/m
Grid 4 M4 18.74 dBV/m	Grid 5 M4 21.17 dBV/m	Grid 6 M4 21.06 dBV/m
Grid 7 M4 20.41 dBV/m	Grid 8 M4 21.61 dBV/m	Grid 9 M4 21.4 dBV/m



0 dB = 12.04 V/m = 21.61 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 = 16.97 V/m; Power Drift = -0.01 dB

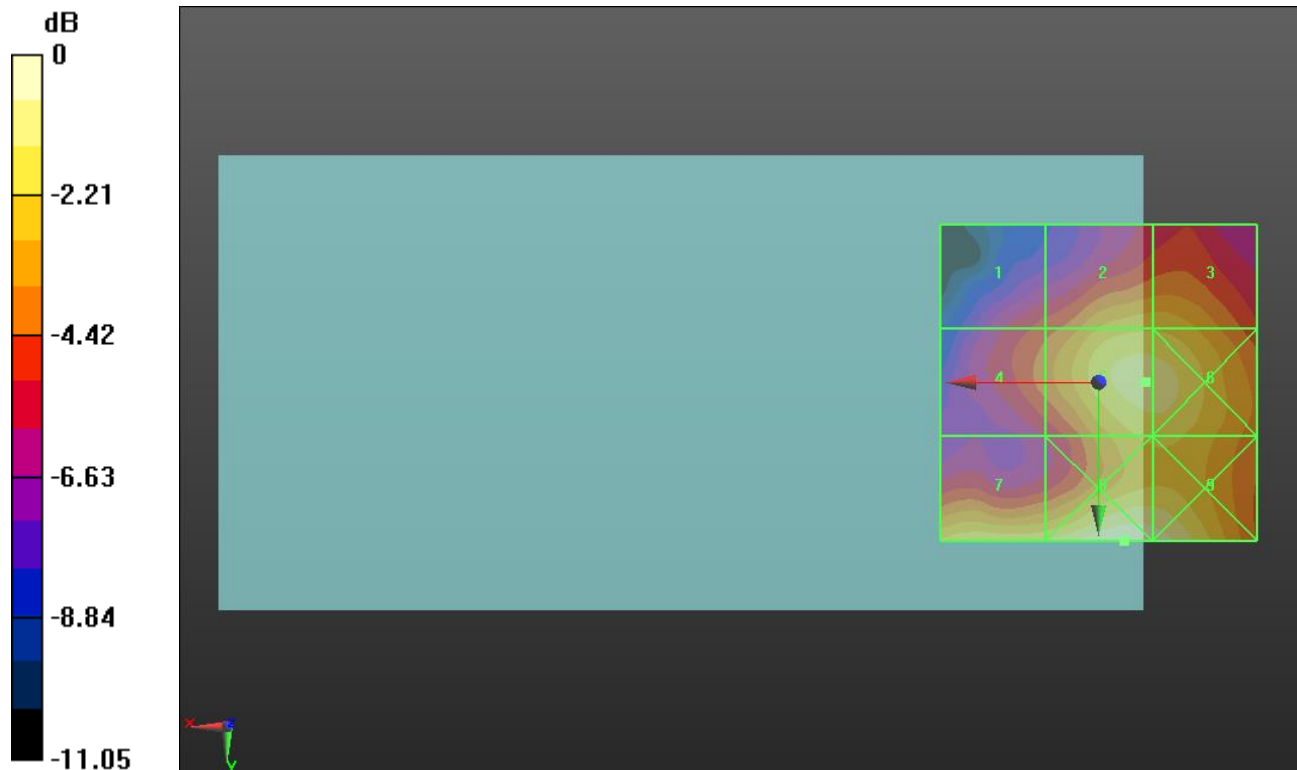
Applied MIF = -1.44 dB

RF audio interference level = 20.26 dBV/m

Emission category: **M4**

MIF scaled E-field

Grid 1 M4 16.63 dBV/m	Grid 2 M4 19.08 dBV/m	Grid 3 M4 19.08 dBV/m
Grid 4 M4 17.38 dBV/m	Grid 5 M4 20.26 dBV/m	Grid 6 M4 20.25 dBV/m
Grid 7 M4 19.96 dBV/m	Grid 8 M4 21.36 dBV/m	Grid 9 M4 21.15 dBV/m



0 dB = 11.69 V/m = 21.36 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 = 13.62 V/m; Power Drift = -0.03 dB

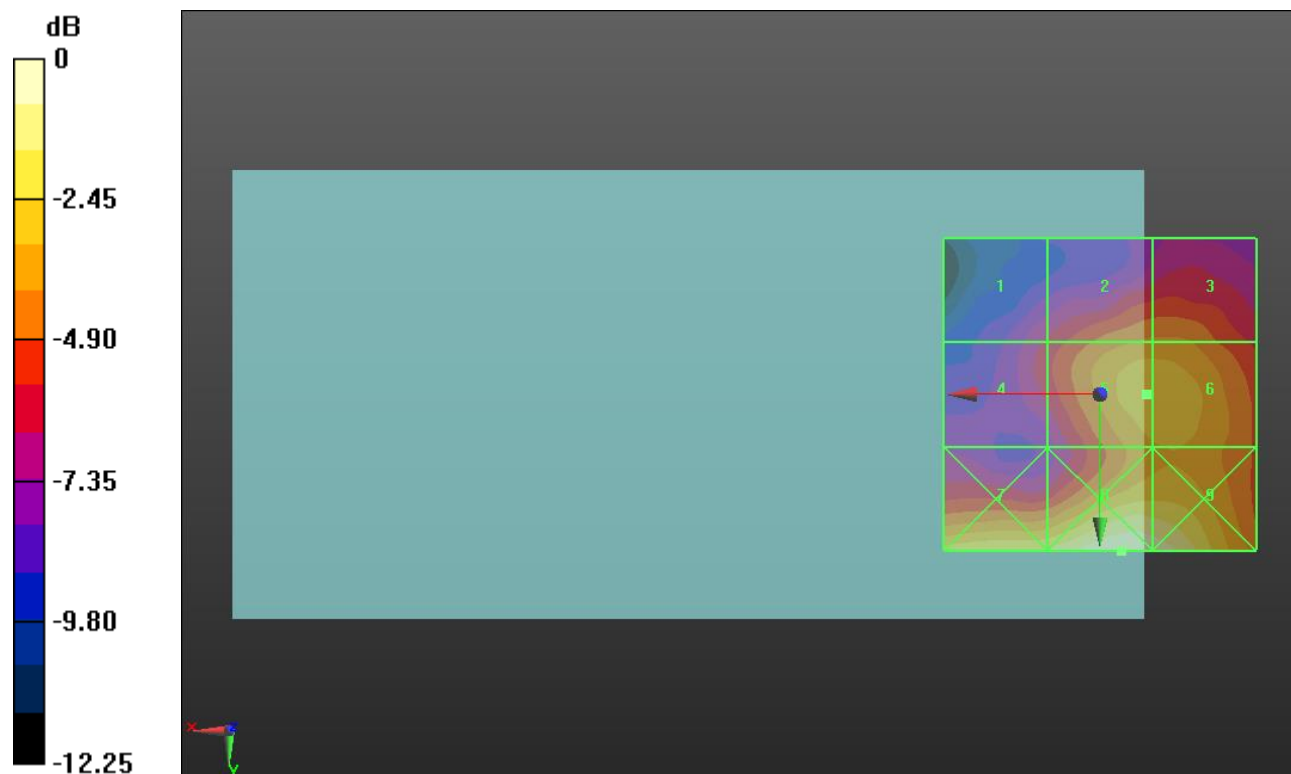
Applied MIF = -1.44 dB

RF audio interference level = 18.86 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 15.23 dBV/m	Grid 2 M4 17.69 dBV/m	Grid 3 M4 17.7 dBV/m
Grid 4 M4 15.66 dBV/m	Grid 5 M4 18.86 dBV/m	Grid 6 M4 18.86 dBV/m
Grid 7 M4 20.12 dBV/m	Grid 8 M4 21.58 dBV/m	Grid 9 M4 21.35 dBV/m



0 dB = 11.99 V/m = 21.58 dBV/m

HAC-RF Emission ANT4Wi-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 = 21.29 V/m; Power Drift = -0.33 dB

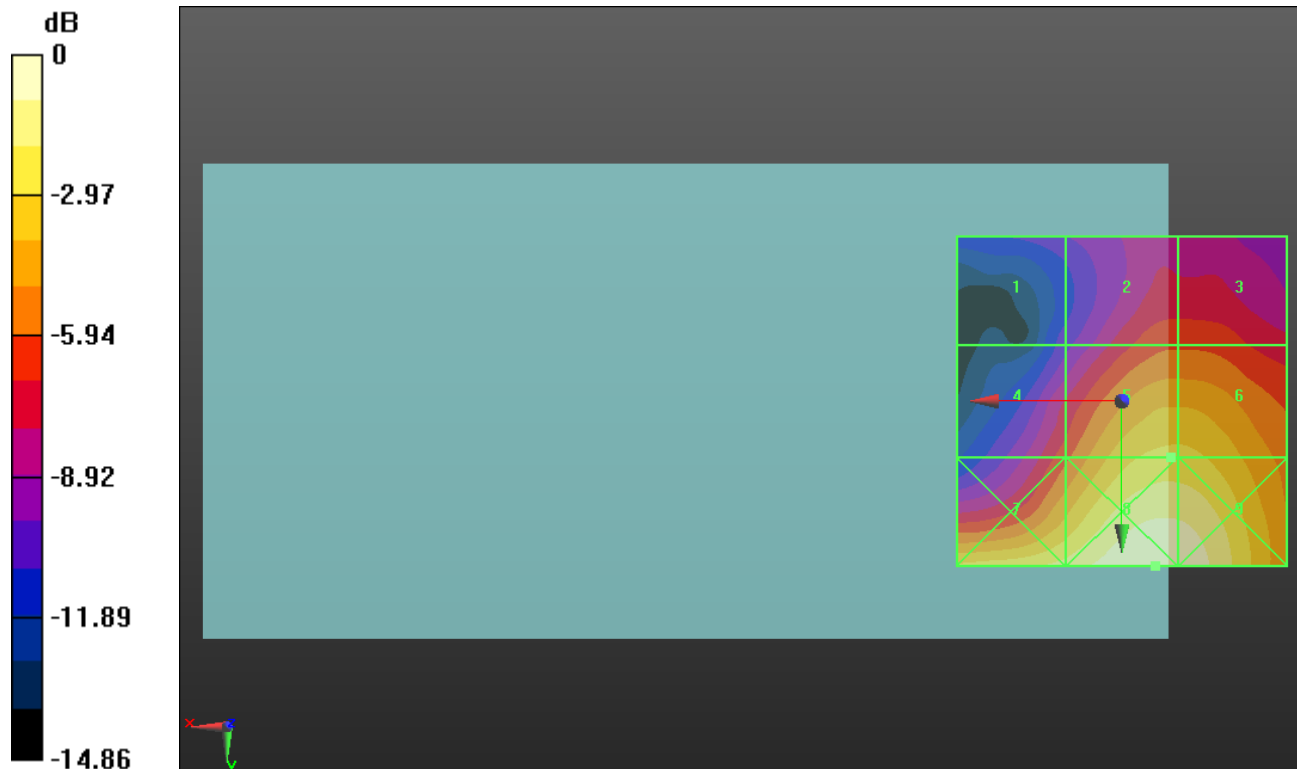
Applied MIF = -2.02 dB

RF audio interference level = 24.14 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 16.9 dBV/m	Grid 2 M4 20.69 dBV/m	Grid 3 M4 20.68 dBV/m
Grid 4 M4 20.57 dBV/m	Grid 5 M4 24.14 dBV/m	Grid 6 M4 24.12 dBV/m
Grid 7 M4 25.26 dBV/m	Grid 8 M4 26.76 dBV/m	Grid 9 M4 26.62 dBV/m



0 dB = 21.77 V/m = 26.76 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 = 23.42 V/m; Power Drift = -0.03 dB

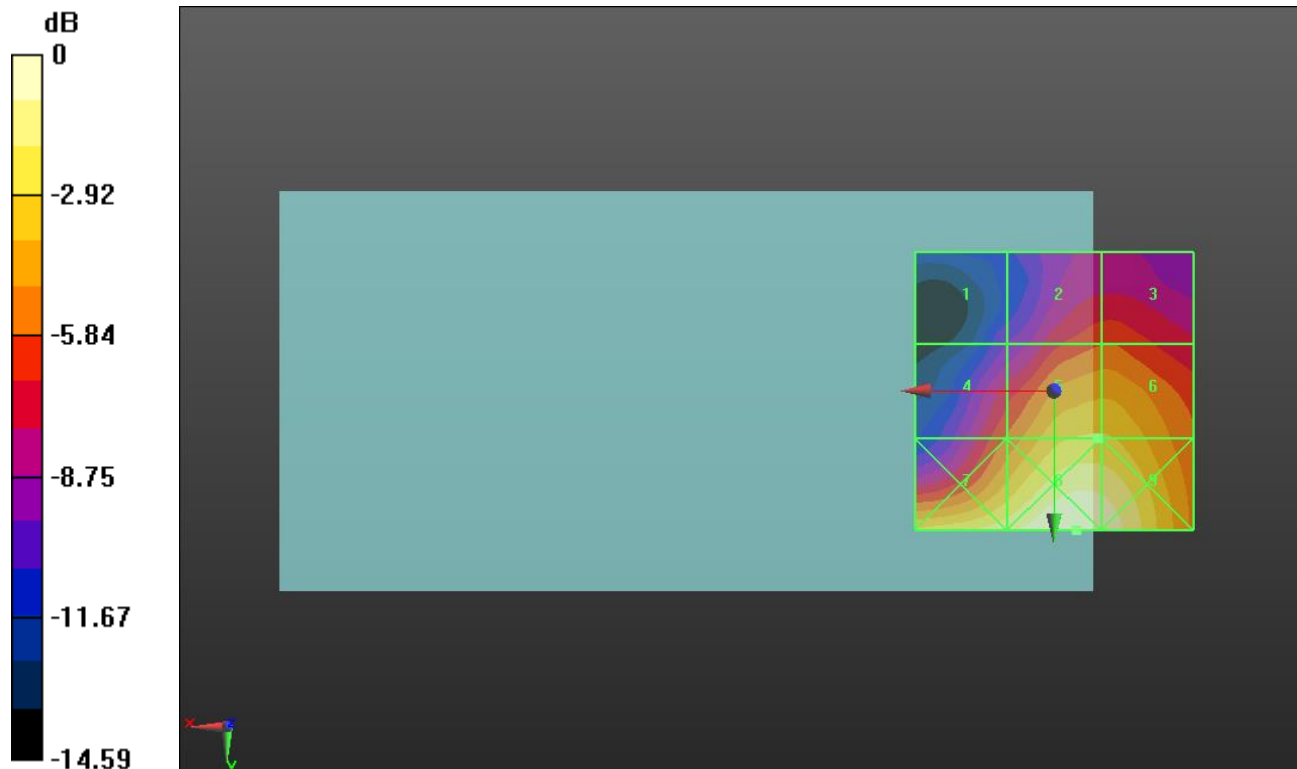
Applied MIF = -2.02 dB

RF audio interference level = 24.93 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 18 dBV/m	Grid 2 M4 21.83 dBV/m	Grid 3 M4 21.87 dBV/m
Grid 4 M4 22.02 dBV/m	Grid 5 M4 24.93 dBV/m	Grid 6 M4 24.93 dBV/m
Grid 7 M4 26.48 dBV/m	Grid 8 M4 27.68 dBV/m	Grid 9 M4 27.42 dBV/m



0 dB = 24.20 V/m = 27.68 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 = 21.64 V/m; Power Drift = 0.07 dB

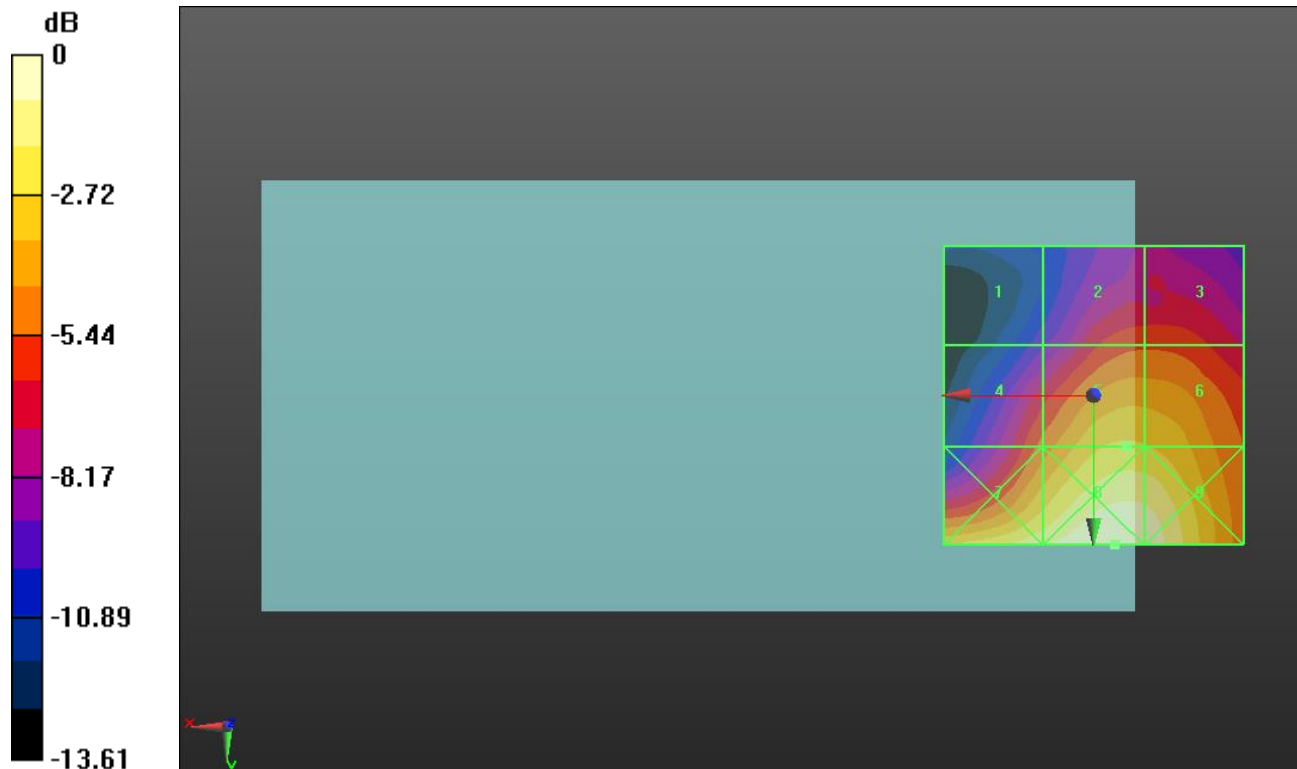
Applied MIF = -2.02 dB

RF audio interference level = 24.06 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 17.32 dBV/m	Grid 2 M4 21.01 dBV/m	Grid 3 M4 21.03 dBV/m
Grid 4 M4 21.53 dBV/m	Grid 5 M4 24.06 dBV/m	Grid 6 M4 23.94 dBV/m
Grid 7 M4 25.6 dBV/m	Grid 8 M4 26.59 dBV/m	Grid 9 M4 26.34 dBV/m



0 dB = 21.36 V/m = 26.59 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 = 19.51 V/m; Power Drift = 0.11 dB

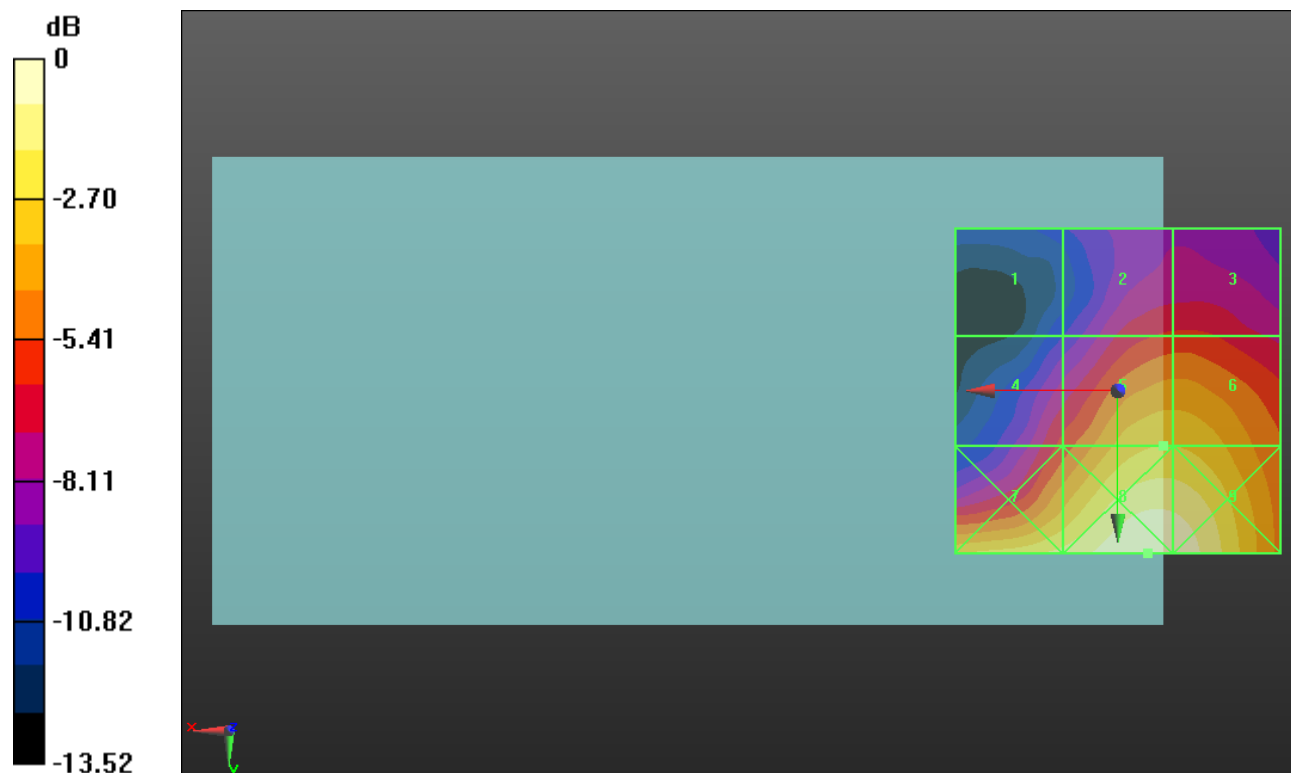
Applied MIF = 0.12 dB

RF audio interference level = 25.74 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 18.47 dBV/m	Grid 2 M4 22.28 dBV/m	Grid 3 M4 22.31 dBV/m
Grid 4 M4 22.49 dBV/m	Grid 5 M4 25.74 dBV/m	Grid 6 M4 25.72 dBV/m
Grid 7 M4 26.98 dBV/m	Grid 8 M4 28.39 dBV/m	Grid 9 M4 28.22 dBV/m



0 dB = 26.28 V/m = 28.39 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 = 23.64 V/m; Power Drift = -0.12 dB

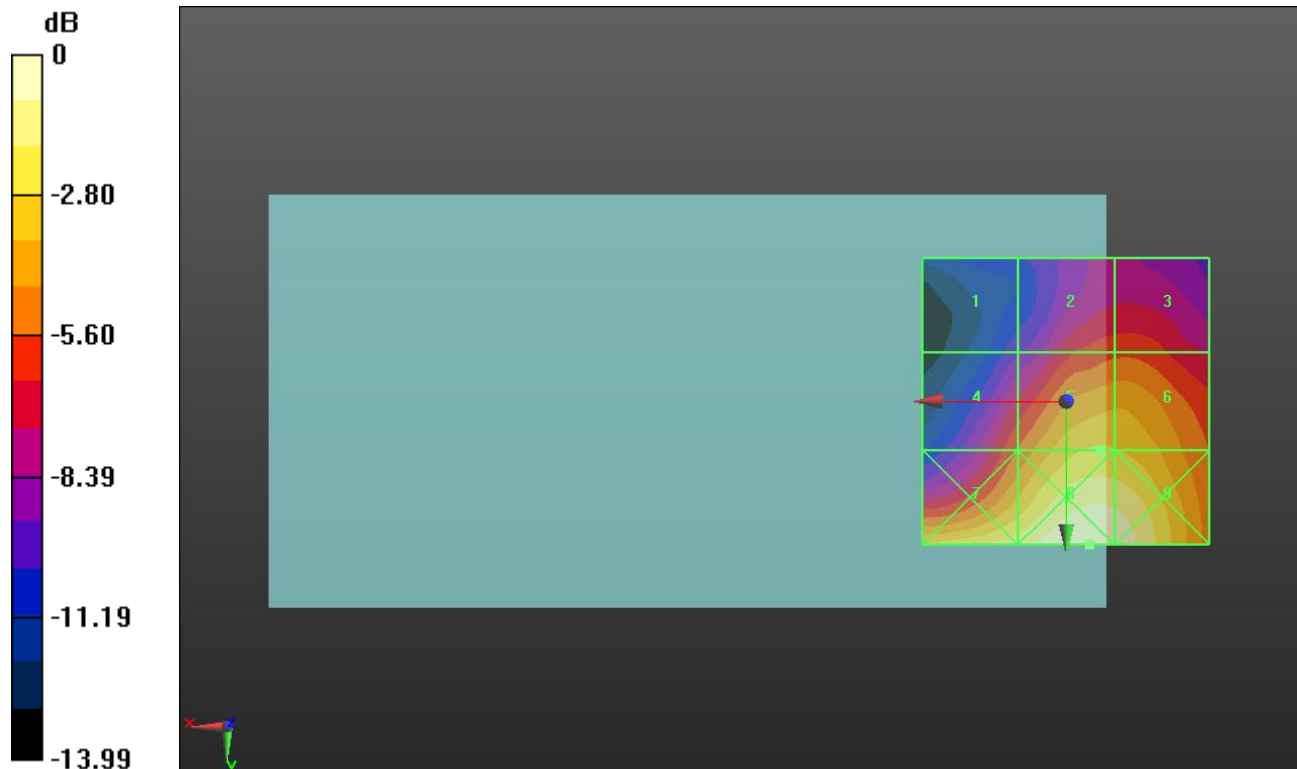
Applied MIF = 0.12 dB

RF audio interference level = 27.16 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 20.32 dBV/m	Grid 2 M4 23.98 dBV/m	Grid 3 M4 24.02 dBV/m
Grid 4 M4 24.25 dBV/m	Grid 5 M4 27.16 dBV/m	Grid 6 M4 27.07 dBV/m
Grid 7 M4 28.59 dBV/m	Grid 8 M4 29.79 dBV/m	Grid 9 M4 29.55 dBV/m



0 dB = 30.86 V/m = 29.79 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 = 24.65 V/m; Power Drift = -0.02 dB

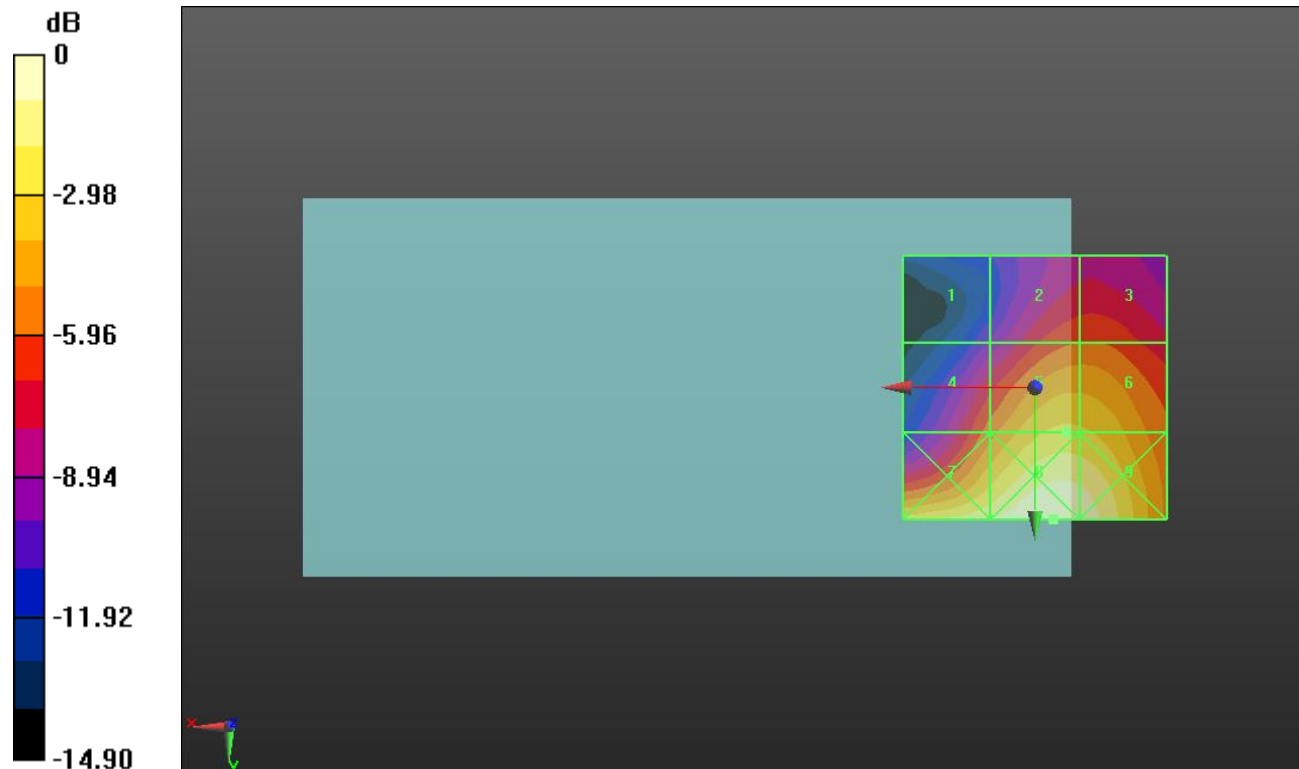
Applied MIF = 0.12 dB

RF audio interference level = 27.51 dBV/m

Emission category: **M4**

MIF scaled E-field

Grid 1 M4 20.53 dBV/m	Grid 2 M4 24.29 dBV/m	Grid 3 M4 24.31 dBV/m
Grid 4 M4 24.83 dBV/m	Grid 5 M4 27.51 dBV/m	Grid 6 M4 27.42 dBV/m
Grid 7 M4 29.18 dBV/m	Grid 8 M3 30.2 dBV/m	Grid 9 M4 29.9 dBV/m



0 dB = 32.36 V/m = 30.20 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 = 6.528 V/m; Power Drift = -0.09 dB

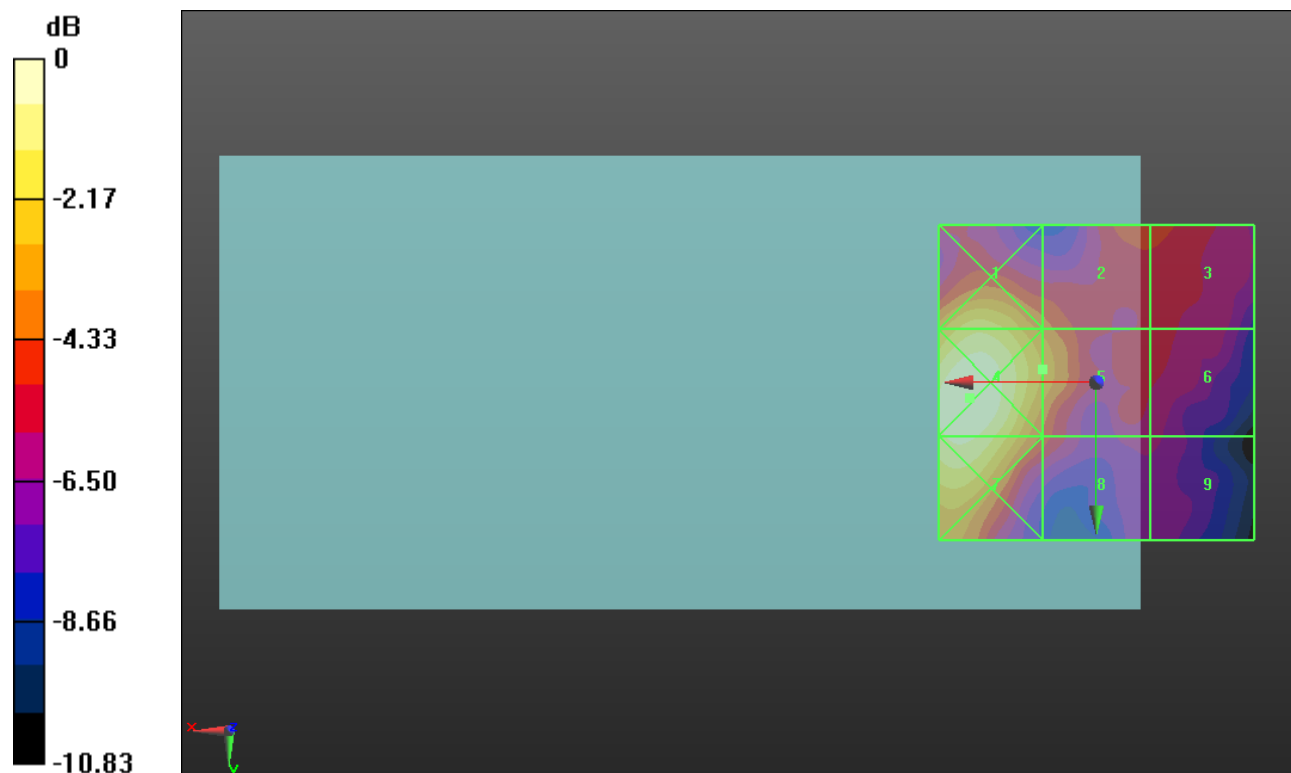
Applied MIF = -5.82 dB

RF audio interference level = 11.43 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 12.76 dBV/m	Grid 2 M4 10.52 dBV/m	Grid 3 M4 9.68 dBV/m
Grid 4 M4 14.37 dBV/m	Grid 5 M4 11.43 dBV/m	Grid 6 M4 9 dBV/m
Grid 7 M4 13.87 dBV/m	Grid 8 M4 9.86 dBV/m	Grid 9 M4 8.13 dBV/m



0 dB = 5.230 V/m = 14.37 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 = 6.672 V/m; Power Drift = 0.13 dB

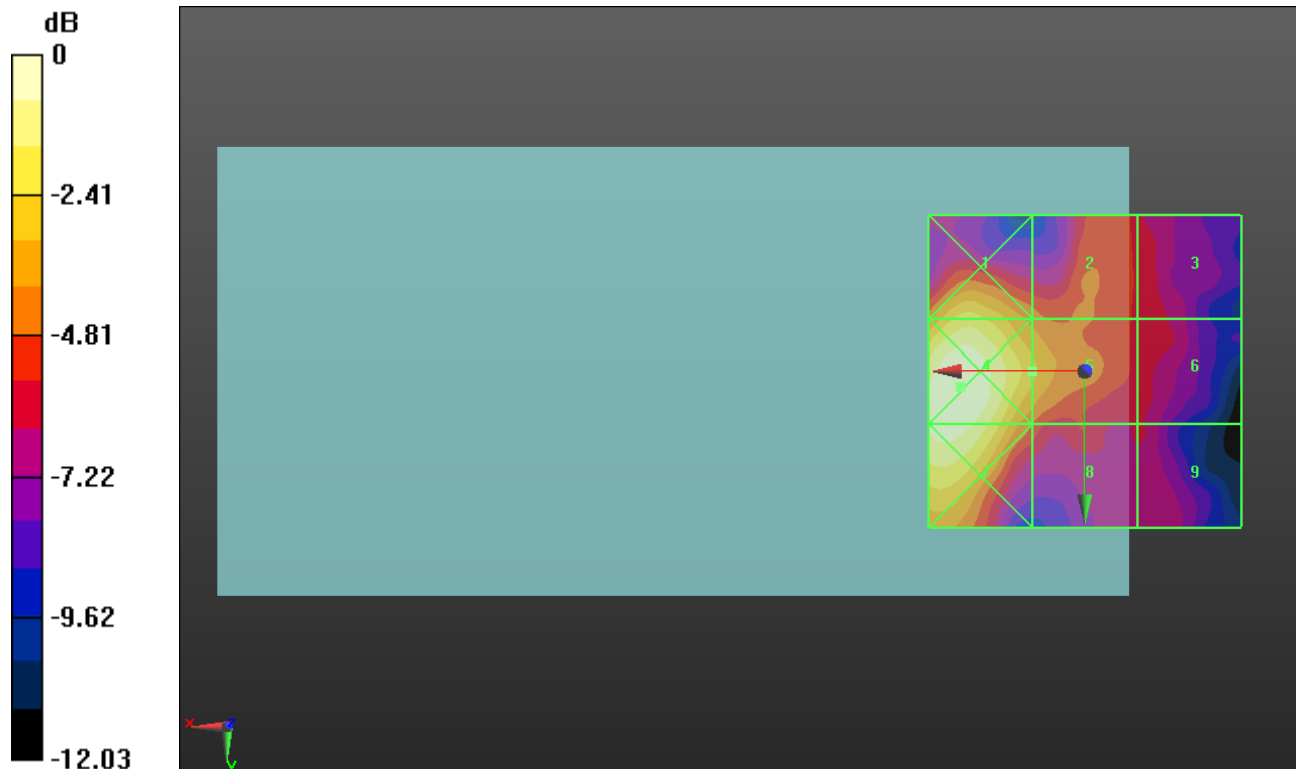
Applied MIF = -5.82 dB

RF audio interference level = 11.77 dBV/m

Emission category: **M4**

MIF scaled E-field

Grid 1 M4 12.73 dBV/m	Grid 2 M4 10.45 dBV/m	Grid 3 M4 9.04 dBV/m
Grid 4 M4 14.72 dBV/m	Grid 5 M4 11.77 dBV/m	Grid 6 M4 9.02 dBV/m
Grid 7 M4 14.36 dBV/m	Grid 8 M4 9.94 dBV/m	Grid 9 M4 8.46 dBV/m



0 dB = 5.446 V/m = 14.72 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 = 7.119 V/m; Power Drift = 0.17 dB

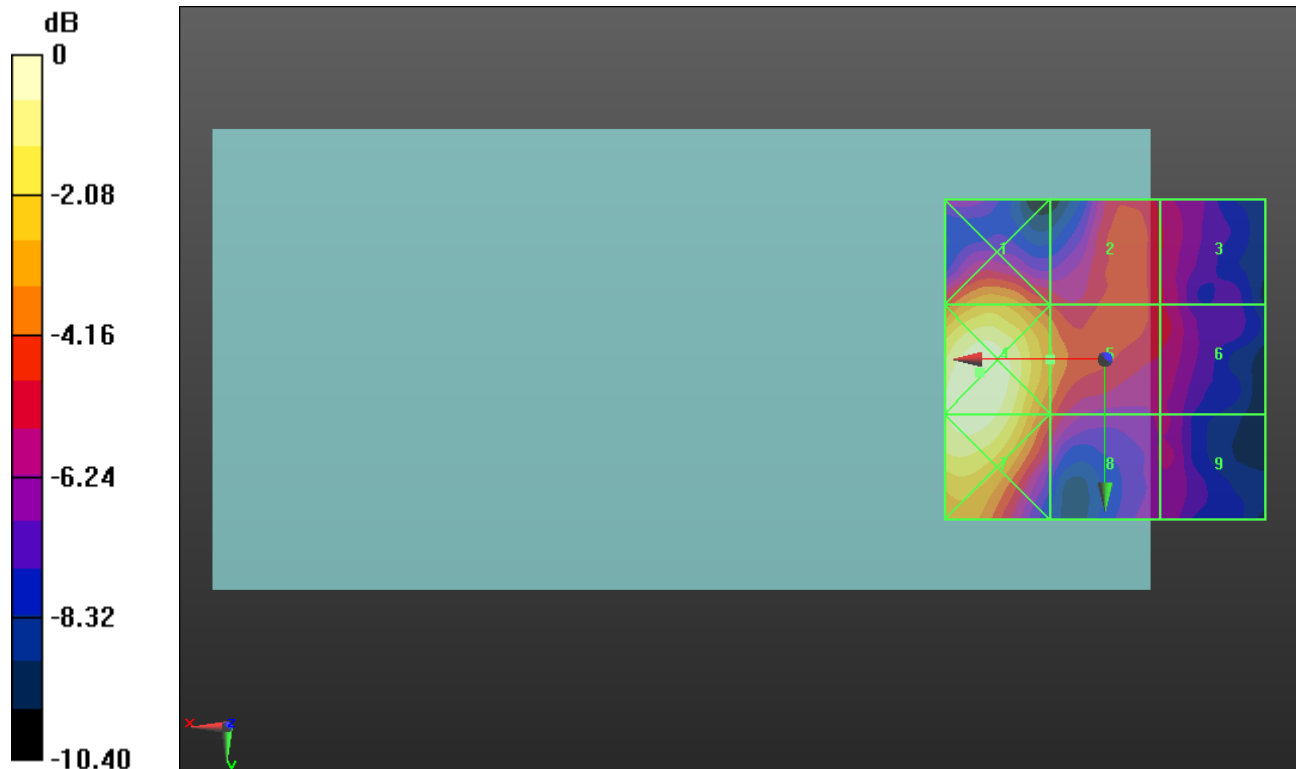
Applied MIF = -5.82 dB

RF audio interference level = 11.94 dBV/m

Emission category: **M4**

MIF scaled E-field

Grid 1 M4 12.58 dBV/m	Grid 2 M4 10.74 dBV/m	Grid 3 M4 9.88 dBV/m
Grid 4 M4 15.18 dBV/m	Grid 5 M4 11.94 dBV/m	Grid 6 M4 10.05 dBV/m
Grid 7 M4 14.95 dBV/m	Grid 8 M4 10.75 dBV/m	Grid 9 M4 9.16 dBV/m



0 dB = 5.743 V/m = 15.18 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):

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

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 7.383 V/m; Power Drift = -0.07 dB

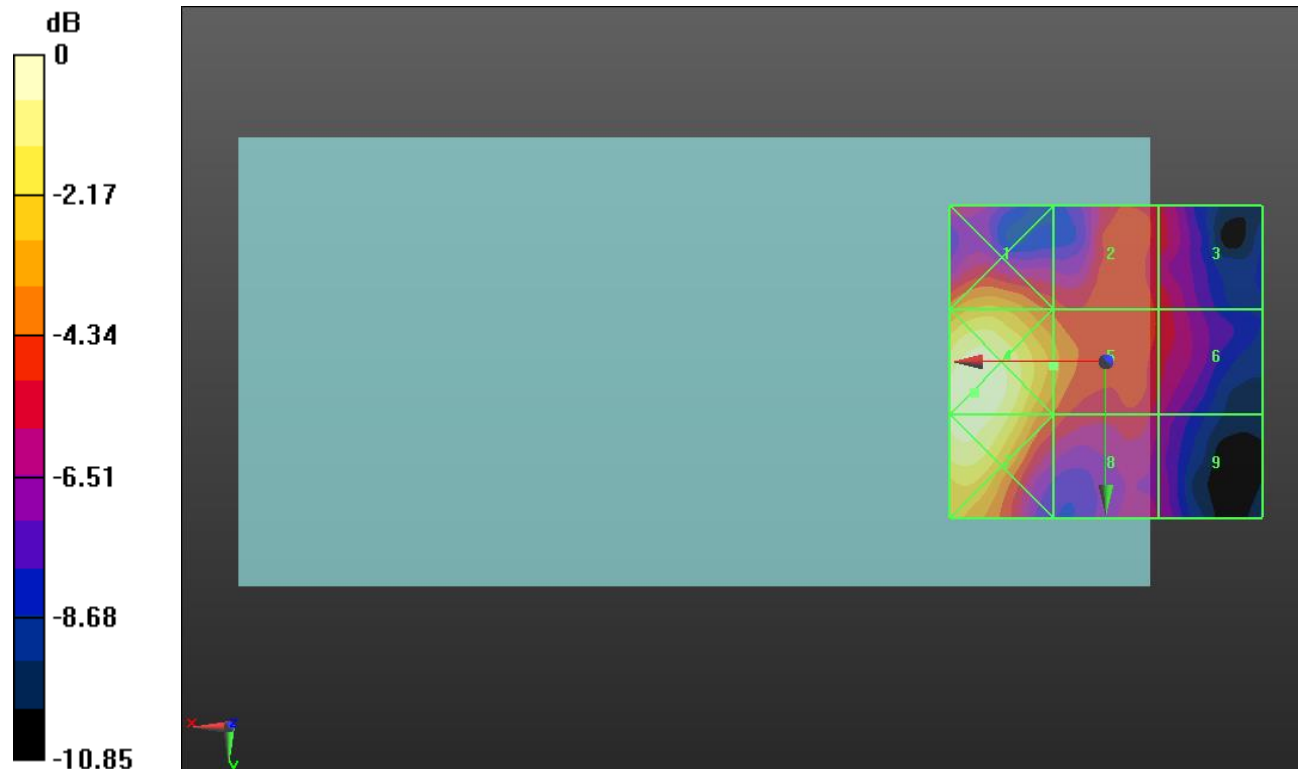
Applied MIF = -5.82 dB

RF audio interference level = 11.67 dBV/m

Emission category: **M4**

MIF scaled E-field

Grid 1 M4 12.17 dBV/m	Grid 2 M4 10.5 dBV/m	Grid 3 M4 9.61 dBV/m
Grid 4 M4 14.83 dBV/m	Grid 5 M4 11.67 dBV/m	Grid 6 M4 9.67 dBV/m
Grid 7 M4 14.59 dBV/m	Grid 8 M4 10.44 dBV/m	Grid 9 M4 8.52 dBV/m



0 dB = 5.512 V/m = 14.83 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 = 7.974 V/m; Power Drift = 0.04 dB

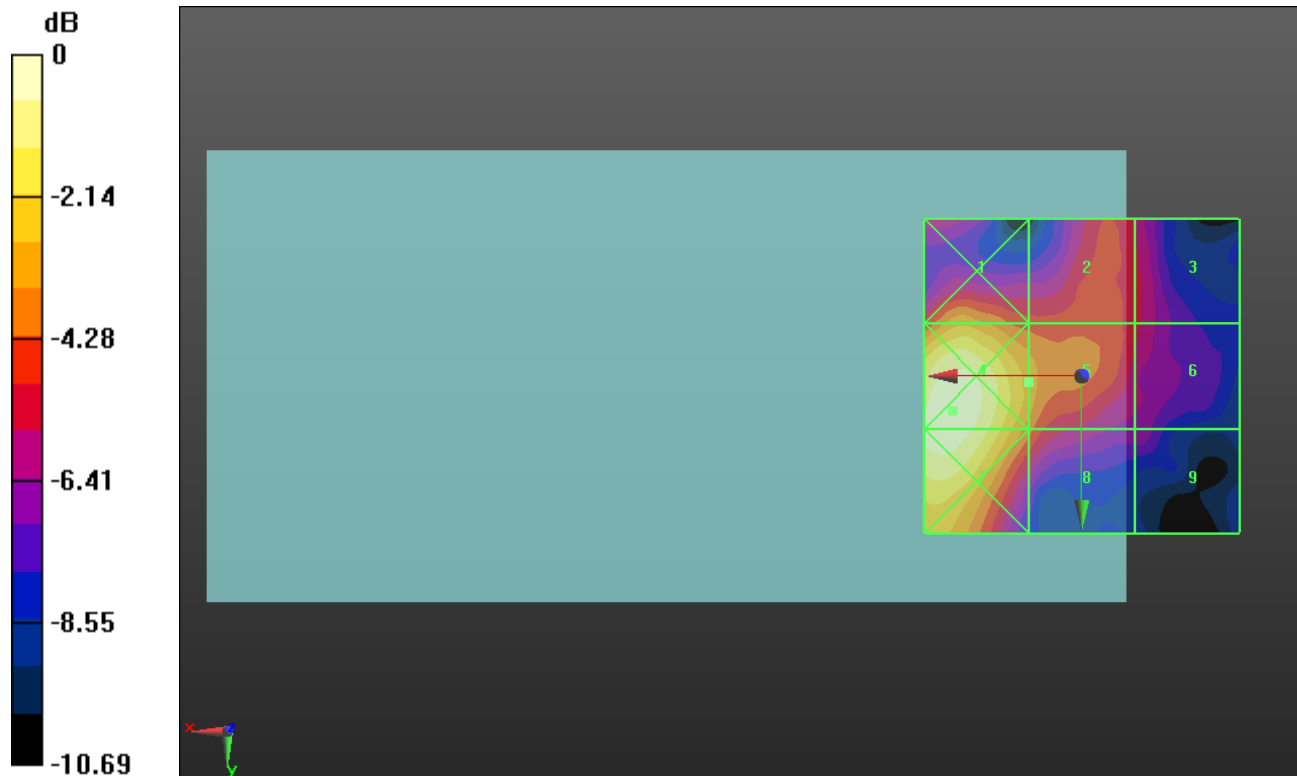
Applied MIF = -5.82 dB

RF audio interference level = 11.99 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 12.08 dBV/m	Grid 2 M4 10.58 dBV/m	Grid 3 M4 9.7 dBV/m
Grid 4 M4 15.07 dBV/m	Grid 5 M4 11.99 dBV/m	Grid 6 M4 9.61 dBV/m
Grid 7 M4 14.83 dBV/m	Grid 8 M4 11.14 dBV/m	Grid 9 M4 8.48 dBV/m



0 dB = 5.672 V/m = 15.07 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 = 8.072 V/m; Power Drift = 0.14 dB

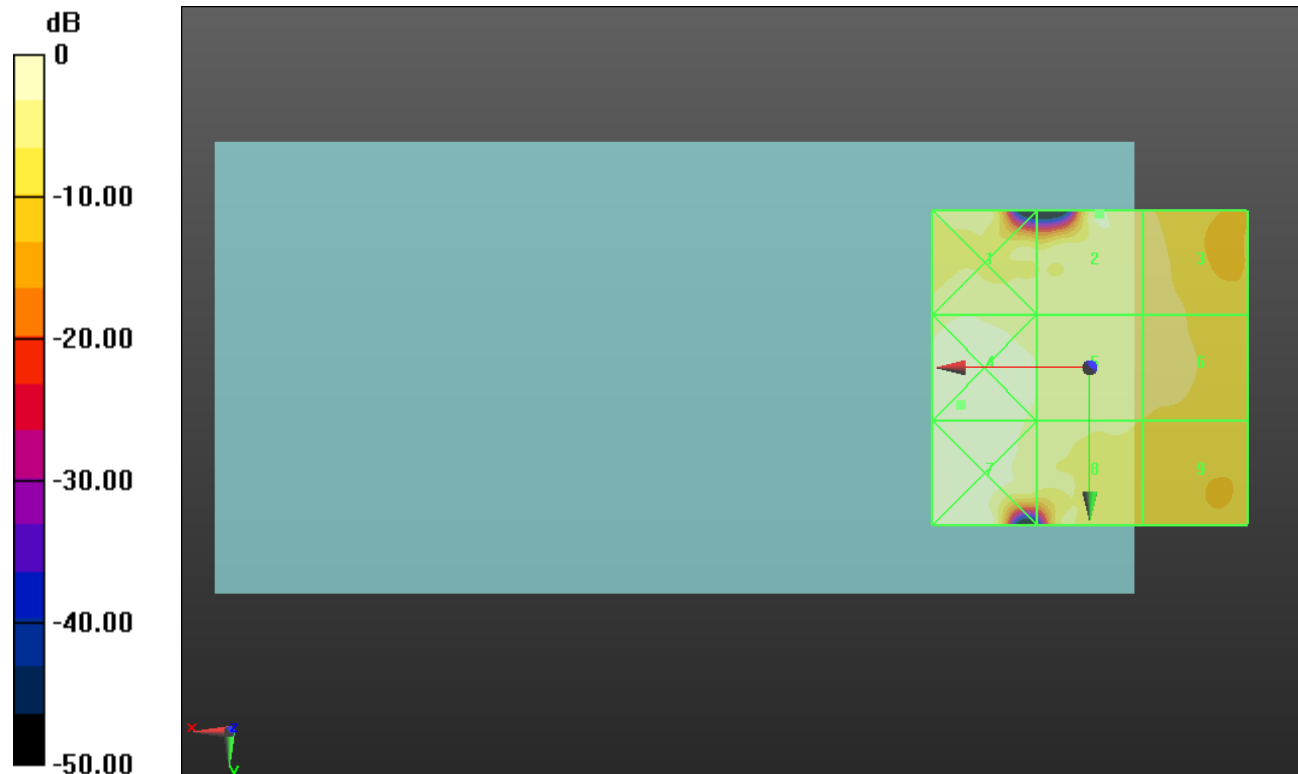
Applied MIF = -5.82 dB

RF audio interference level = 13.63 dBV/m

Emission category: **M4**

MIF scaled E-field

Grid 1 M4 12.33 dBV/m	Grid 2 M4 13.63 dBV/m	Grid 3 M4 11.15 dBV/m
Grid 4 M4 15.71 dBV/m	Grid 5 M4 12.48 dBV/m	Grid 6 M4 11.76 dBV/m
Grid 7 M4 15.57 dBV/m	Grid 8 M4 11.66 dBV/m	Grid 9 M4 8.99 dBV/m



0 dB = 6.102 V/m = 15.71 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 = 8.571 V/m; Power Drift = -0.02 dB

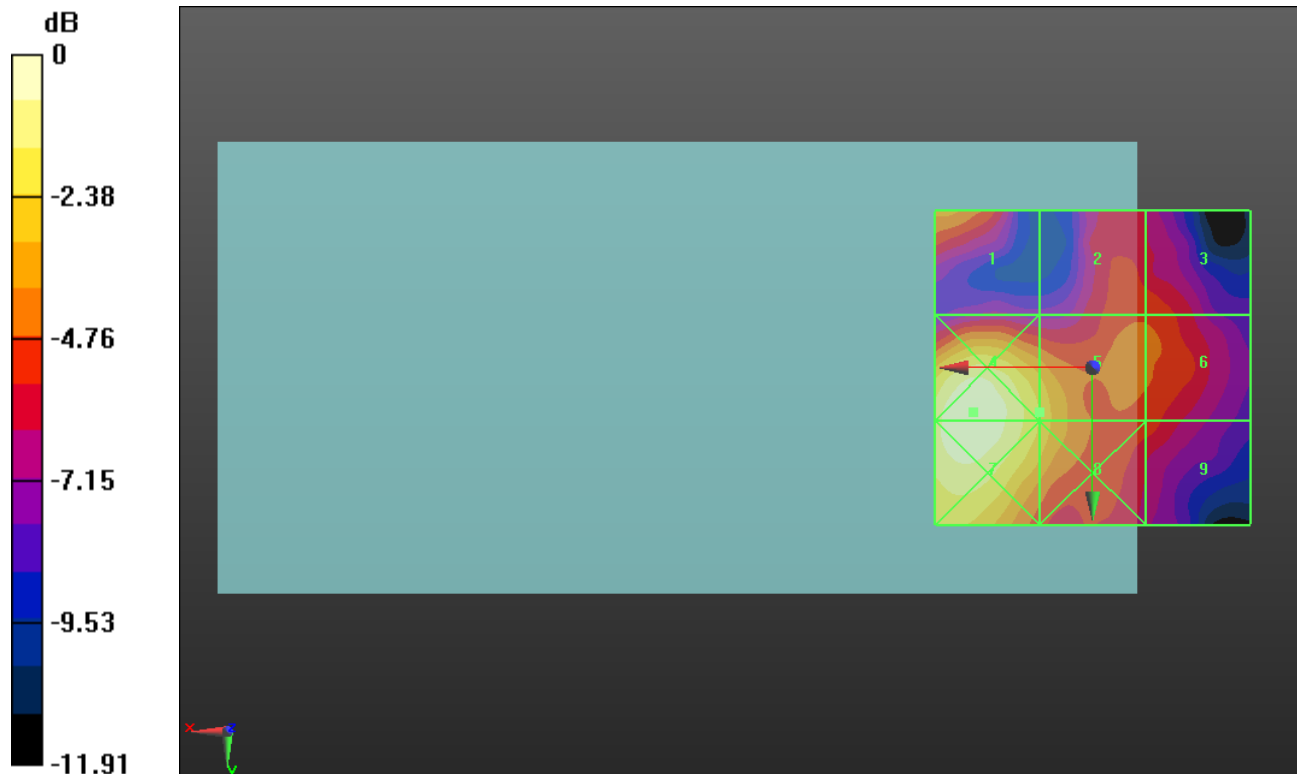
Applied MIF = -5.82 dB

RF audio interference level = 13.54 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 12.29 dBV/m	Grid 2 M4 11.08 dBV/m	Grid 3 M4 11.06 dBV/m
Grid 4 M4 15.96 dBV/m	Grid 5 M4 13.54 dBV/m	Grid 6 M4 11.47 dBV/m
Grid 7 M4 15.92 dBV/m	Grid 8 M4 13.53 dBV/m	Grid 9 M4 10.79 dBV/m



0 dB = 6.281 V/m = 15.96 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 = 7.346 V/m; Power Drift = -0.10 dB

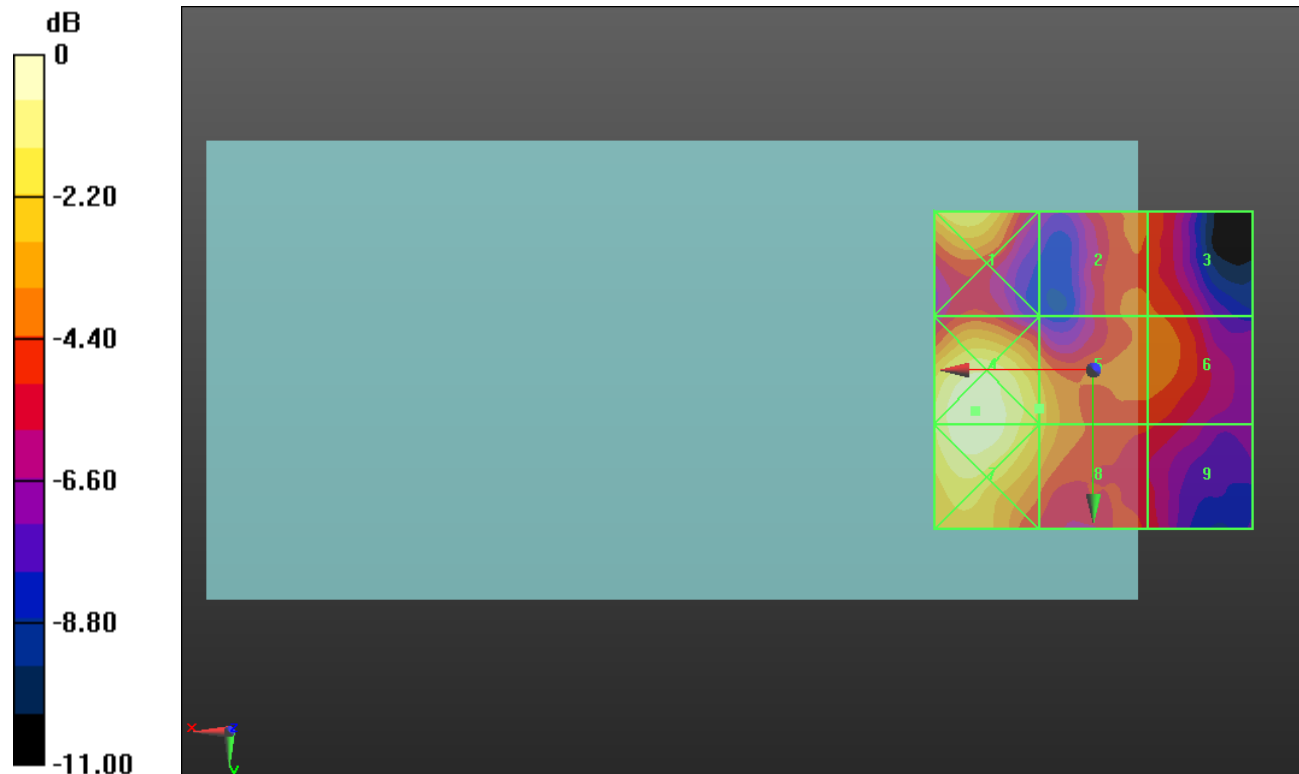
Applied MIF = -5.82 dB

RF audio interference level = 12.08 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 13.04 dBV/m	Grid 2 M4 10.31 dBV/m	Grid 3 M4 10.25 dBV/m
Grid 4 M4 14.42 dBV/m	Grid 5 M4 12.08 dBV/m	Grid 6 M4 10.48 dBV/m
Grid 7 M4 14.36 dBV/m	Grid 8 M4 11.91 dBV/m	Grid 9 M4 9.45 dBV/m



0 dB = 5.261 V/m = 14.42 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 = 6.901 V/m; Power Drift = -0.15 dB

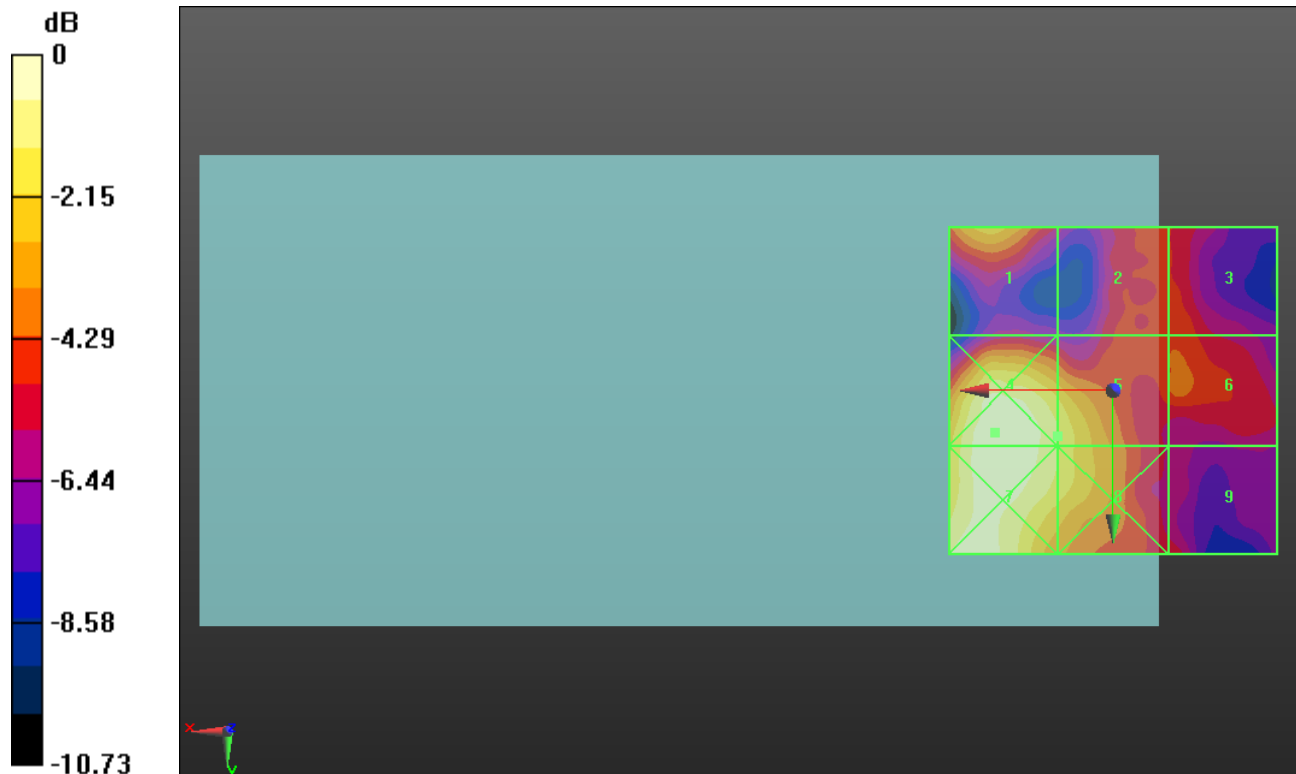
Applied MIF = -5.82 dB

RF audio interference level = 12.82 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 11.82 dBV/m	Grid 2 M4 9.83 dBV/m	Grid 3 M4 9.88 dBV/m
Grid 4 M4 14.16 dBV/m	Grid 5 M4 12.82 dBV/m	Grid 6 M4 10.17 dBV/m
Grid 7 M4 14.15 dBV/m	Grid 8 M4 12.8 dBV/m	Grid 9 M4 9.12 dBV/m



0 dB = 5.104 V/m = 14.16 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 = 7.116 V/m; Power Drift = -0.15 dB

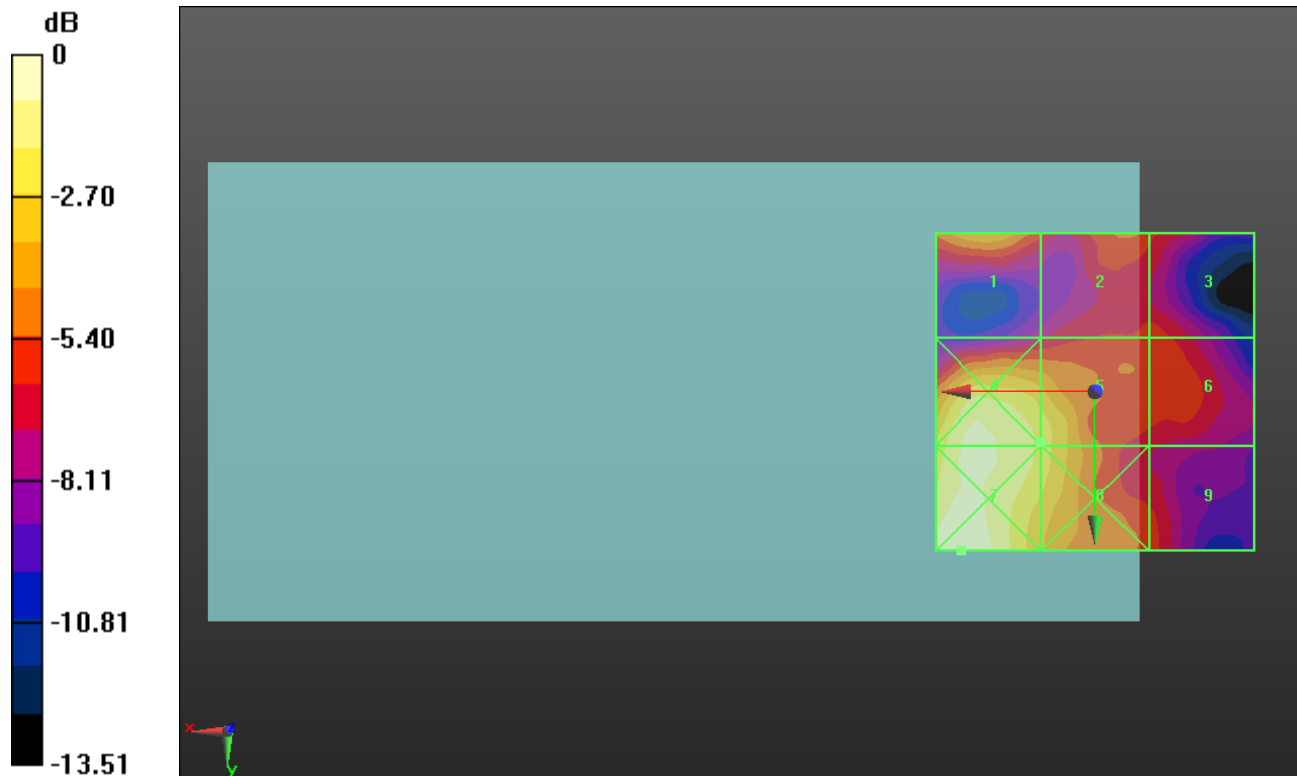
Applied MIF = -5.82 dB

RF audio interference level = 12.42 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 11.12 dBV/m	Grid 2 M4 9.4 dBV/m	Grid 3 M4 8.7 dBV/m
Grid 4 M4 13.94 dBV/m	Grid 5 M4 12.42 dBV/m	Grid 6 M4 9.13 dBV/m
Grid 7 M4 14.52 dBV/m	Grid 8 M4 12.42 dBV/m	Grid 9 M4 8.78 dBV/m



0 dB = 5.318 V/m = 14.51 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 = 7.865 V/m; Power Drift = 0.03 dB

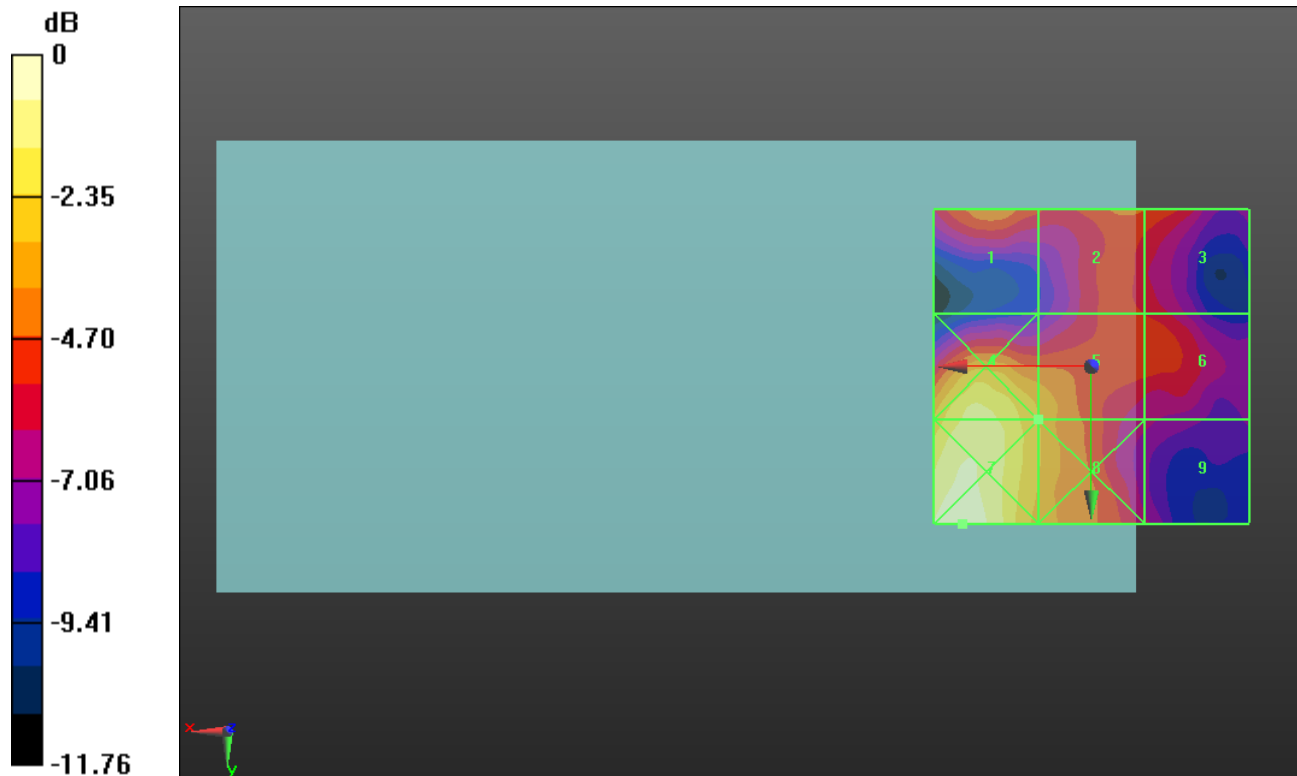
Applied MIF = -5.82 dB

RF audio interference level = 12.66 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 11.71 dBV/m	Grid 2 M4 11.26 dBV/m	Grid 3 M4 11.07 dBV/m
Grid 4 M4 14.48 dBV/m	Grid 5 M4 12.66 dBV/m	Grid 6 M4 10.97 dBV/m
Grid 7 M4 15.73 dBV/m	Grid 8 M4 12.76 dBV/m	Grid 9 M4 9 dBV/m



0 dB = 6.120 V/m = 15.74 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 = 7.761 V/m; Power Drift = -0.08 dB

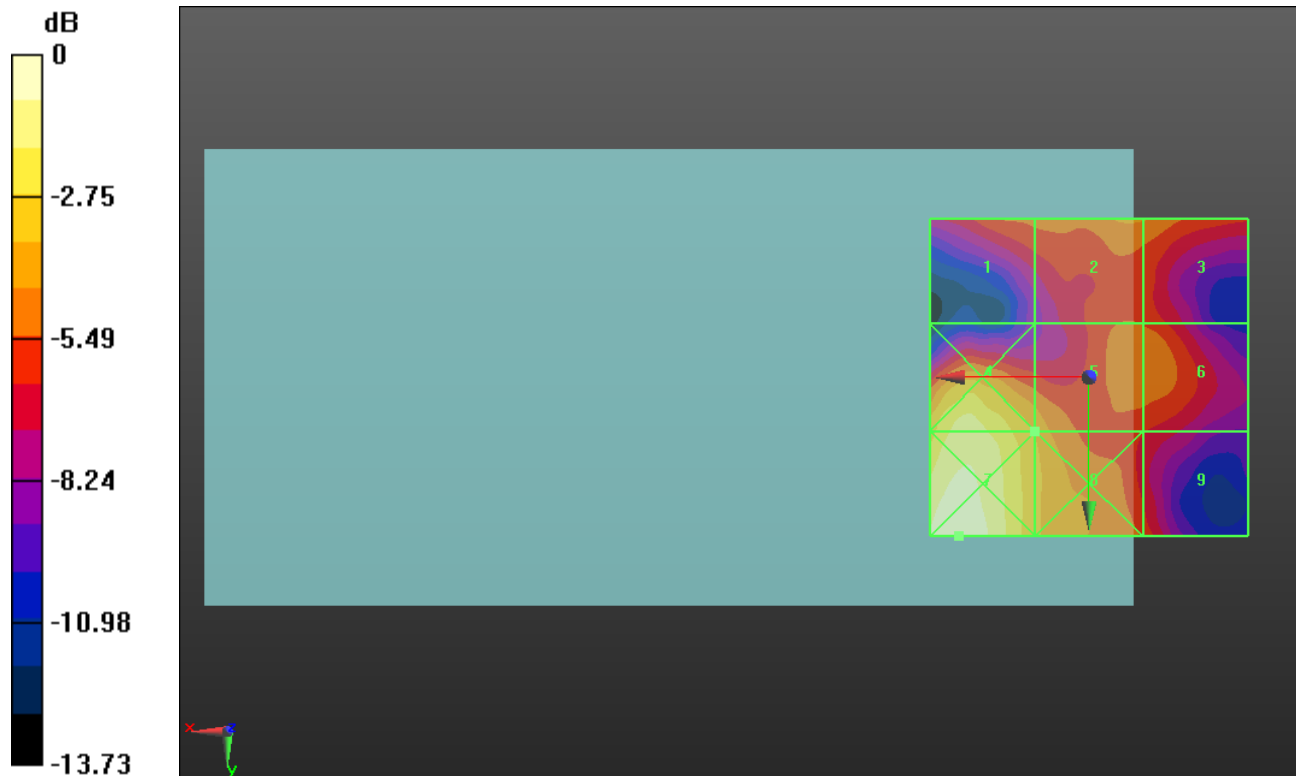
Applied MIF = -5.82 dB

RF audio interference level = 12.22 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 10.78 dBV/m	Grid 2 M4 11.64 dBV/m	Grid 3 M4 11.57 dBV/m
Grid 4 M4 14.63 dBV/m	Grid 5 M4 12.22 dBV/m	Grid 6 M4 11.4 dBV/m
Grid 7 M4 16.01 dBV/m	Grid 8 M4 12.71 dBV/m	Grid 9 M4 10.37 dBV/m



0 dB = 6.318 V/m = 16.01 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 = 7.131 V/m; Power Drift = 0.15 dB

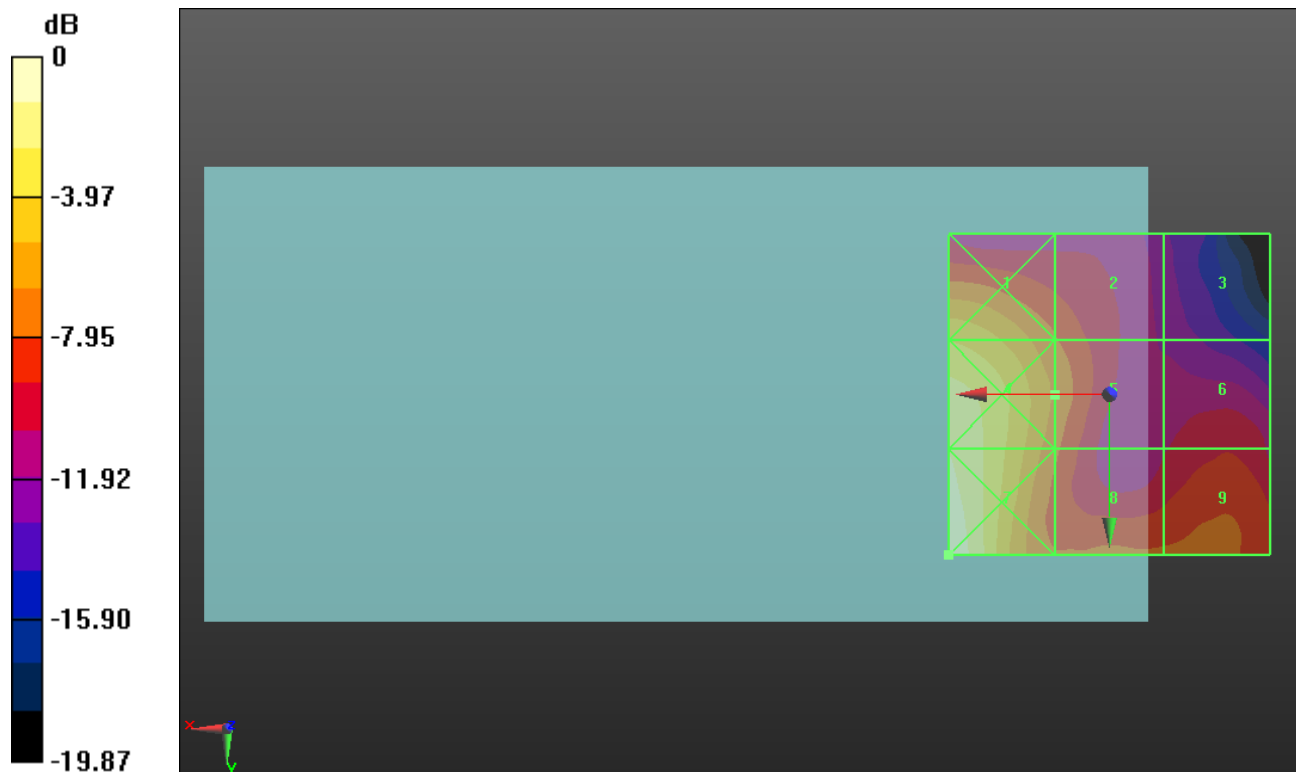
Applied MIF = -1.44 dB

RF audio interference level = 19.00 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 21.82 dBV/m	Grid 2 M4 18.08 dBV/m	Grid 3 M4 13.68 dBV/m
Grid 4 M4 24.47 dBV/m	Grid 5 M4 19 dBV/m	Grid 6 M4 16.53 dBV/m
Grid 7 M4 25.84 dBV/m	Grid 8 M4 18.37 dBV/m	Grid 9 M4 18.4 dBV/m



0 dB = 19.59 V/m = 25.84 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 = 7.780 V/m; Power Drift = -0.18 dB

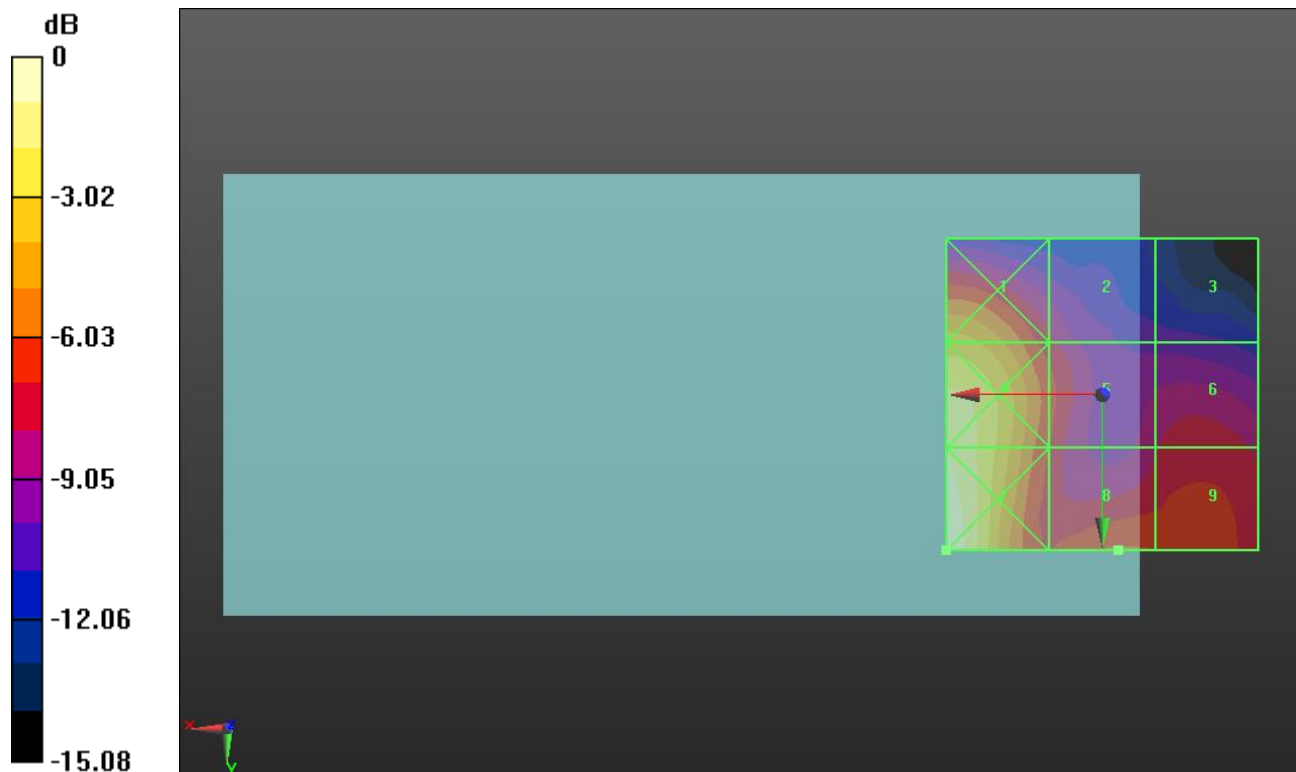
Applied MIF = -1.44 dB

RF audio interference level = 20.29 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 22.56 dBV/m	Grid 2 M4 18.45 dBV/m	Grid 3 M4 15.7 dBV/m
Grid 4 M4 25.08 dBV/m	Grid 5 M4 19.58 dBV/m	Grid 6 M4 18.65 dBV/m
Grid 7 M4 26.13 dBV/m	Grid 8 M4 20.29 dBV/m	Grid 9 M4 20.15 dBV/m



0 dB = 20.26 V/m = 26.13 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 = 7.354 V/m; Power Drift = 0.05 dB

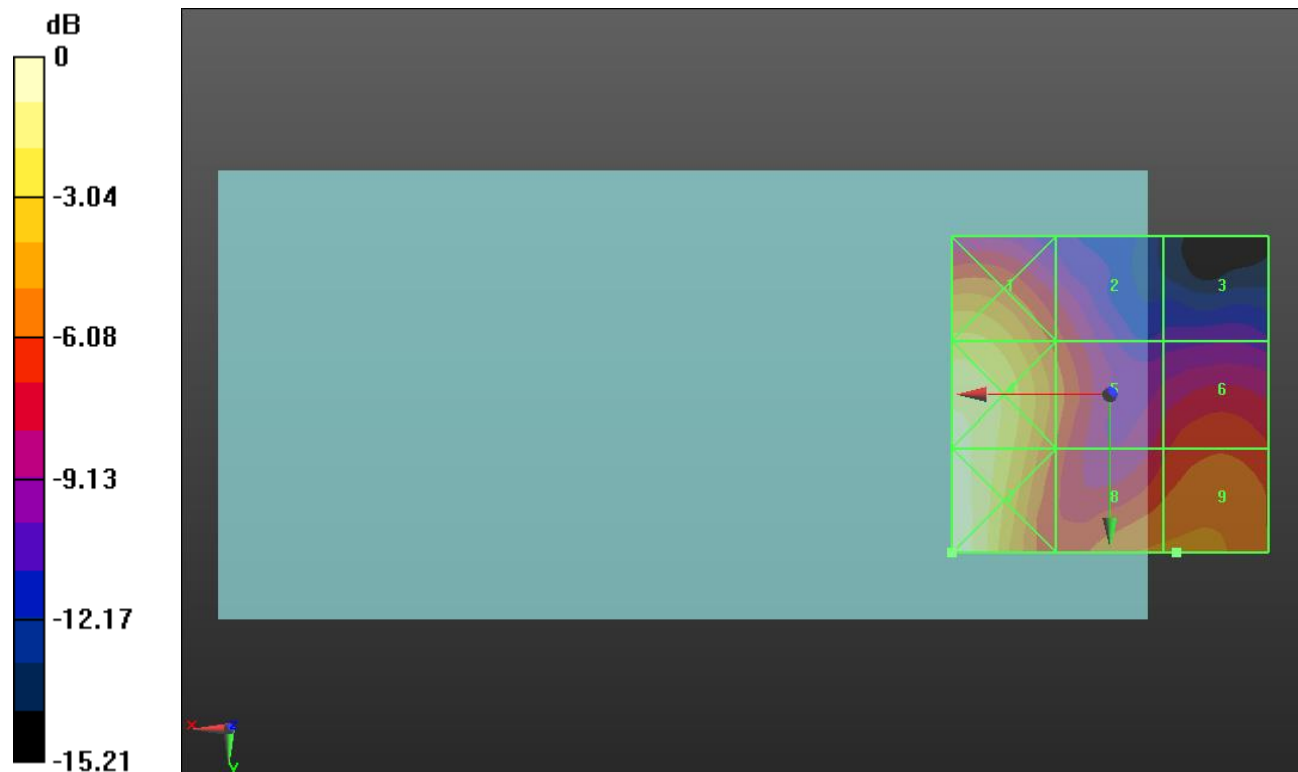
Applied MIF = -1.44 dB

RF audio interference level = 20.88 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 23.03 dBV/m	Grid 2 M4 19.15 dBV/m	Grid 3 M4 15.54 dBV/m
Grid 4 M4 24.98 dBV/m	Grid 5 M4 20.21 dBV/m	Grid 6 M4 19.53 dBV/m
Grid 7 M4 25.7 dBV/m	Grid 8 M4 20.86 dBV/m	Grid 9 M4 20.88 dBV/m



0 dB = 19.27 V/m = 25.70 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 = 8.178 V/m; Power Drift = -0.10 dB

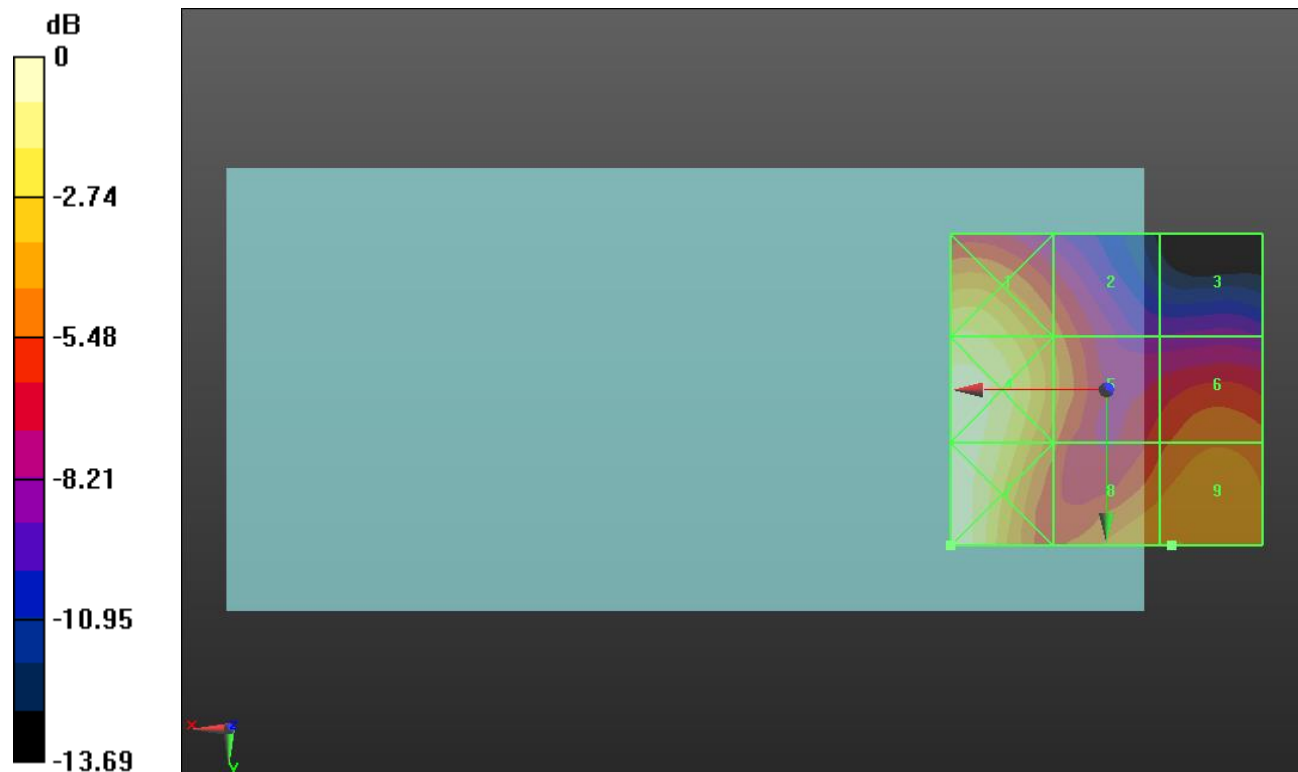
Applied MIF = -1.44 dB

RF audio interference level = 20.94 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 22.91 dBV/m	Grid 2 M4 19.67 dBV/m	Grid 3 M4 15.94 dBV/m
Grid 4 M4 24.16 dBV/m	Grid 5 M4 20.39 dBV/m	Grid 6 M4 19.89 dBV/m
Grid 7 M4 24.51 dBV/m	Grid 8 M4 20.92 dBV/m	Grid 9 M4 20.94 dBV/m



0 dB = 16.81 V/m = 24.51 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 = 15.68 V/m; Power Drift = -0.09 dB

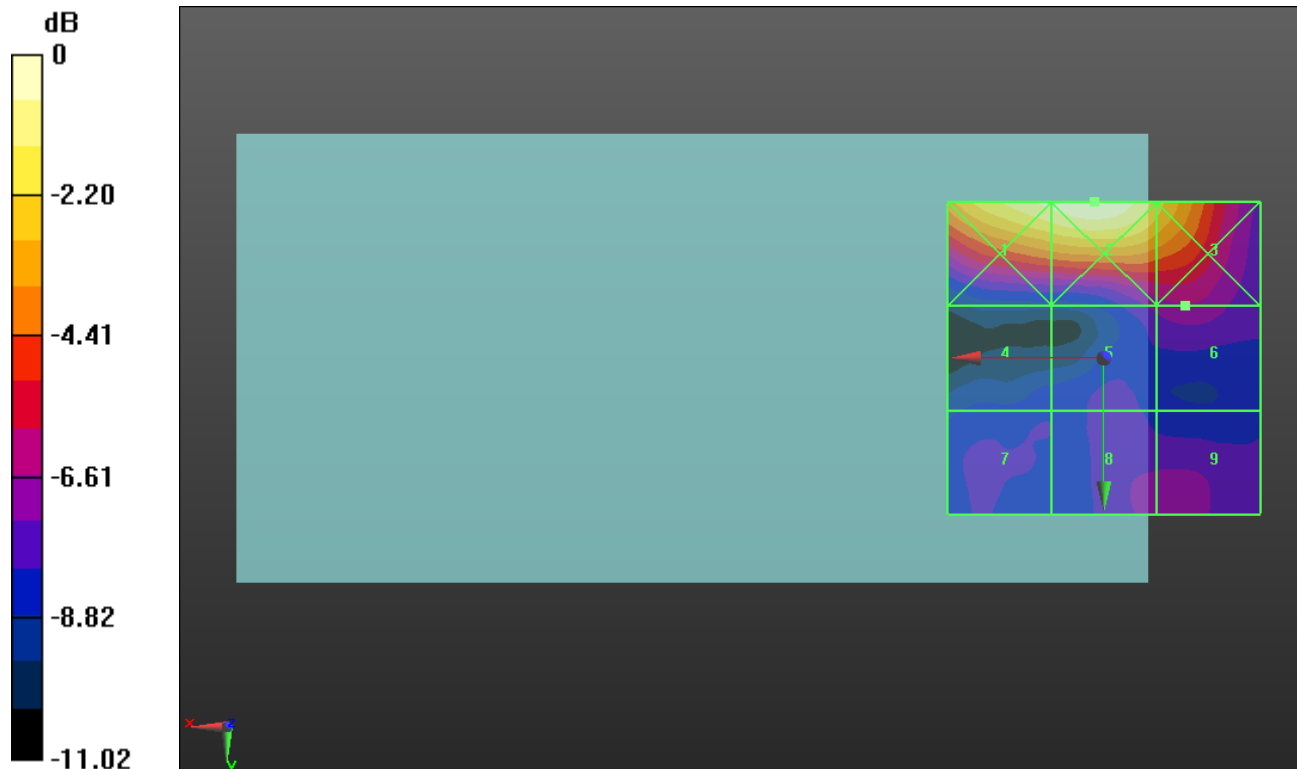
Applied MIF = -1.44 dB

RF audio interference level = 19.82 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 25.99 dBV/m	Grid 2 M4 26.46 dBV/m	Grid 3 M4 24.66 dBV/m
Grid 4 M4 18.28 dBV/m	Grid 5 M4 19.5 dBV/m	Grid 6 M4 19.82 dBV/m
Grid 7 M4 18.57 dBV/m	Grid 8 M4 19.47 dBV/m	Grid 9 M4 19.52 dBV/m



0 dB = 21.05 V/m = 26.47 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 = 18.36 V/m; Power Drift = -0.05 dB

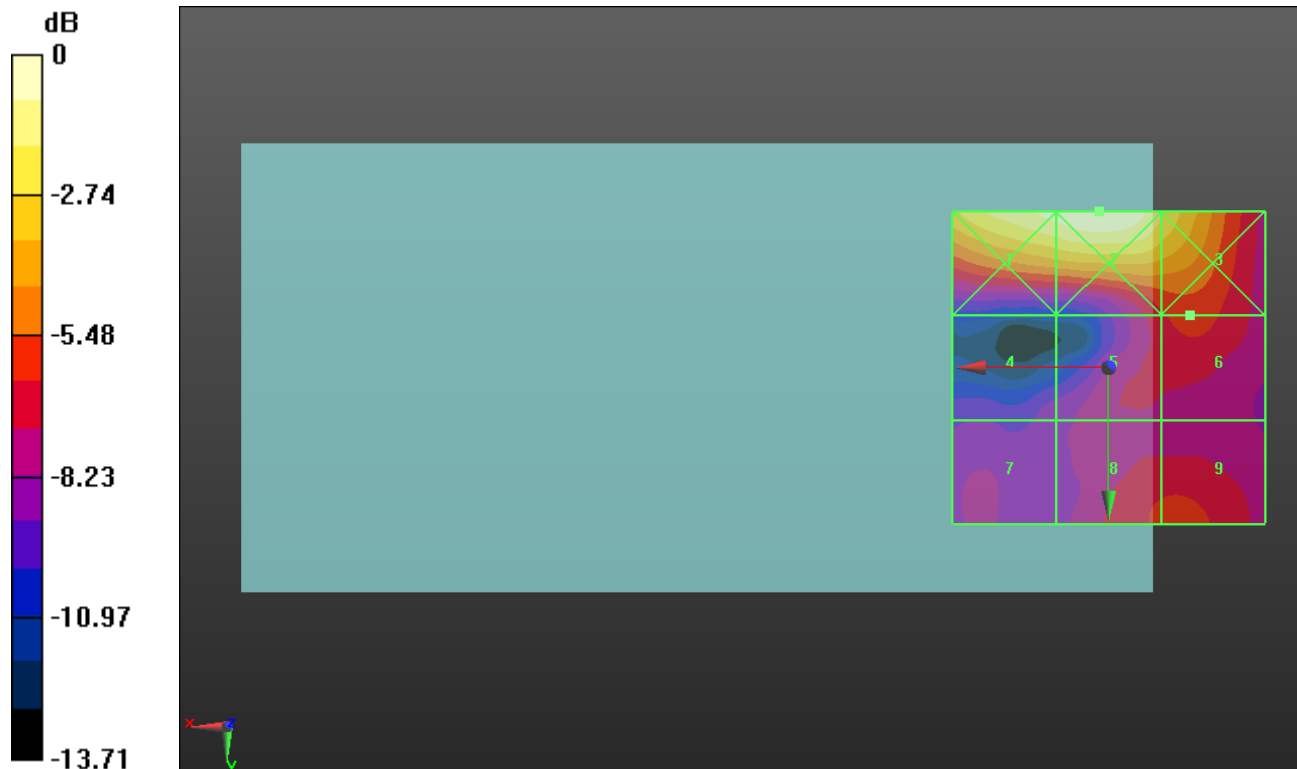
Applied MIF = -1.44 dB

RF audio interference level = 20.23 dBV/m

Emission category: **M4**

MIF scaled E-field

Grid 1 M4 25.7 dBV/m	Grid 2 M4 26.21 dBV/m	Grid 3 M4 24.47 dBV/m
Grid 4 M4 17.67 dBV/m	Grid 5 M4 19.72 dBV/m	Grid 6 M4 20.23 dBV/m
Grid 7 M4 18.26 dBV/m	Grid 8 M4 20 dBV/m	Grid 9 M4 20.08 dBV/m



0 dB = 20.45 V/m = 26.21 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 = 18.35 V/m; Power Drift = -0.15 dB

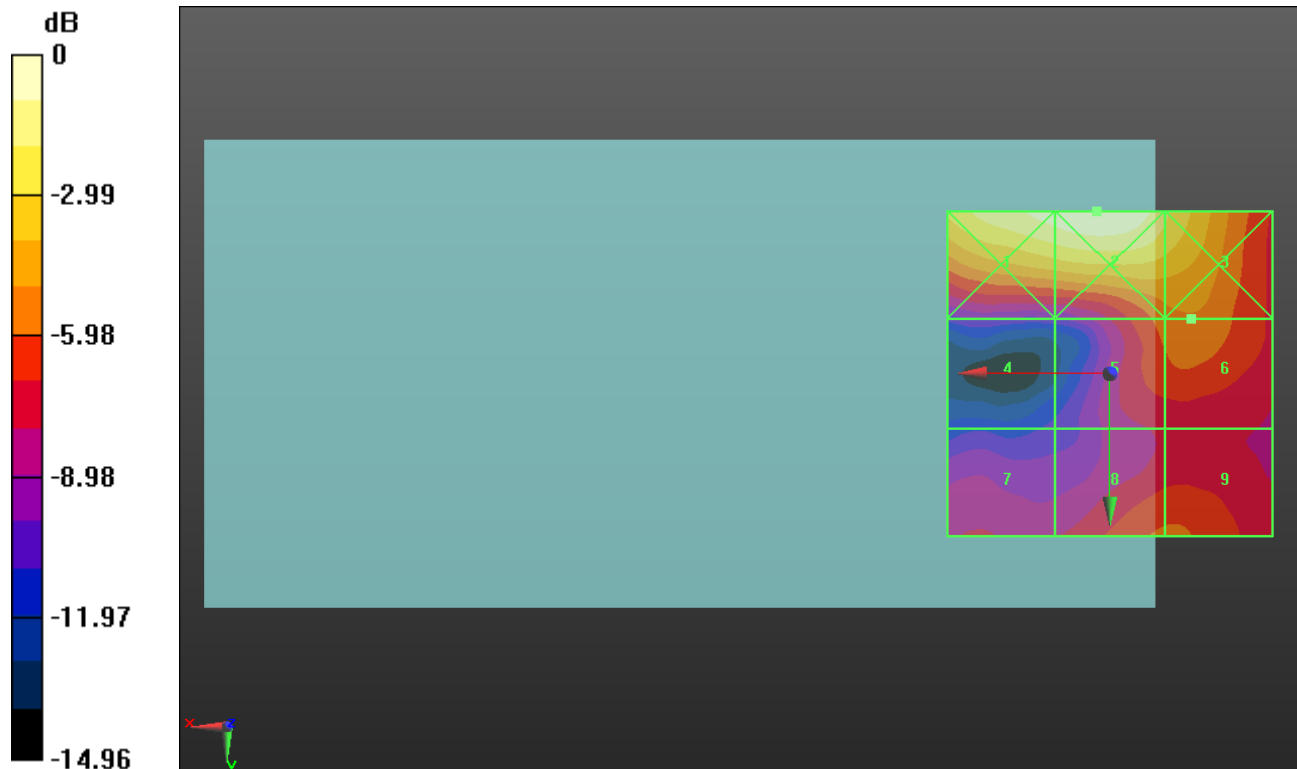
Applied MIF = -1.44 dB

RF audio interference level = 21.22 dBV/m

Emission category: **M4**

MIF scaled E-field

Grid 1 M4 25.85 dBV/m	Grid 2 M4 26.29 dBV/m	Grid 3 M4 24.52 dBV/m
Grid 4 M4 16.61 dBV/m	Grid 5 M4 20.89 dBV/m	Grid 6 M4 21.22 dBV/m
Grid 7 M4 18.51 dBV/m	Grid 8 M4 20.5 dBV/m	Grid 9 M4 20.5 dBV/m



0 dB = 20.63 V/m = 26.29 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 = 17.11 V/m; Power Drift = 0.04 dB

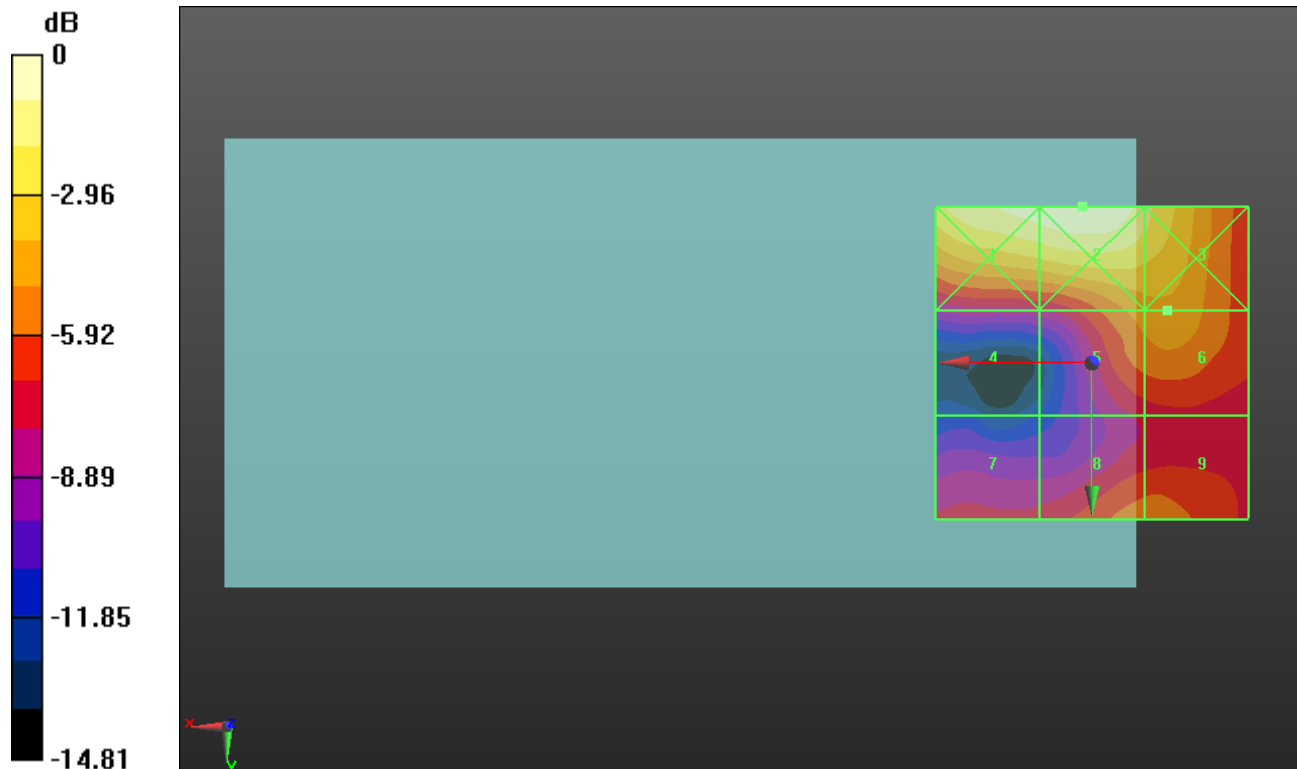
Applied MIF = -1.44 dB

RF audio interference level = 21.77 dBV/m

Emission category: **M4**

MIF scaled E-field

Grid 1 M4 25.52 dBV/m	Grid 2 M4 25.94 dBV/m	Grid 3 M4 24.33 dBV/m
Grid 4 M4 18 dBV/m	Grid 5 M4 21.58 dBV/m	Grid 6 M4 21.77 dBV/m
Grid 7 M4 18.43 dBV/m	Grid 8 M4 20.57 dBV/m	Grid 9 M4 20.57 dBV/m



0 dB = 19.81 V/m = 25.94 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 = 5.653 V/m; Power Drift = 0.18 dB

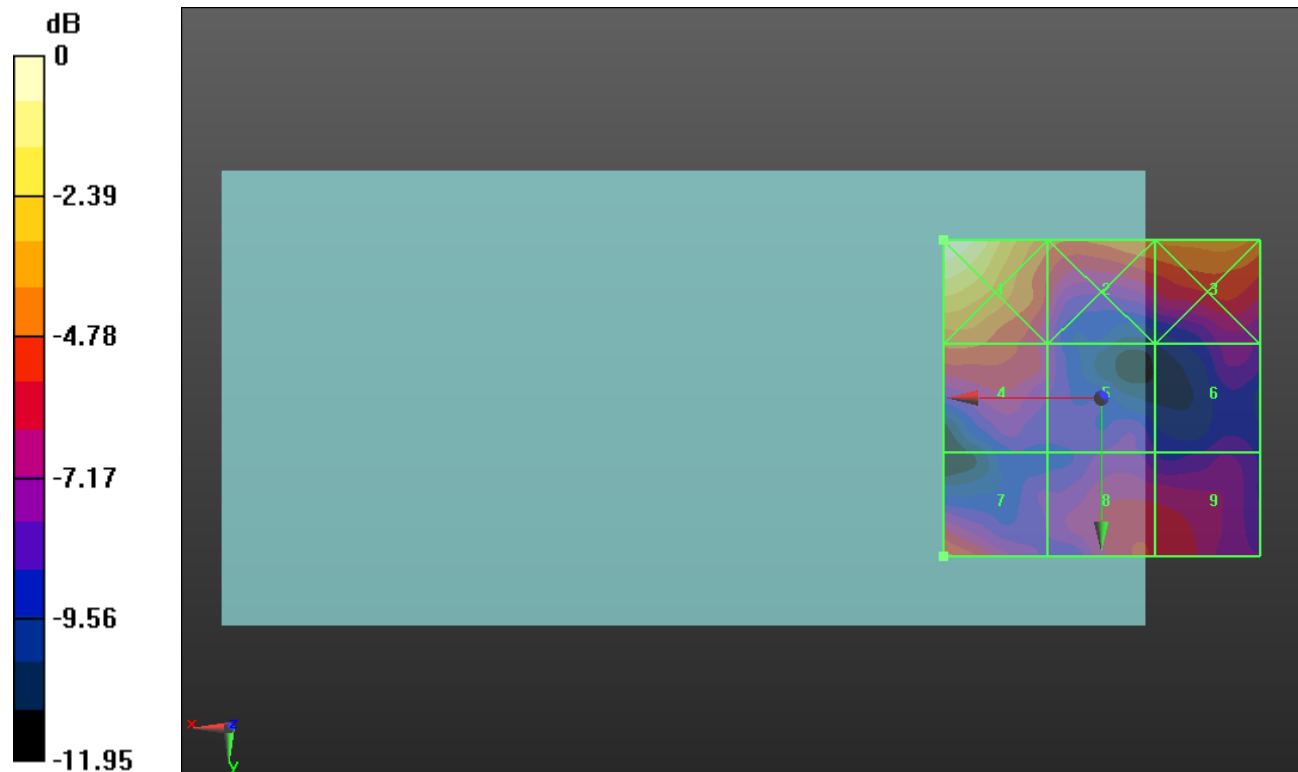
Applied MIF = -1.44 dB

RF audio interference level = 15.16 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 19.6 dBV/m	Grid 2 M4 15.8 dBV/m	Grid 3 M4 16.1 dBV/m
Grid 4 M4 15.03 dBV/m	Grid 5 M4 12.63 dBV/m	Grid 6 M4 12.09 dBV/m
Grid 7 M4 15.16 dBV/m	Grid 8 M4 14.13 dBV/m	Grid 9 M4 13.93 dBV/m



0 dB = 9.555 V/m = 19.60 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 = 5.460 V/m; Power Drift = 0.16 dB

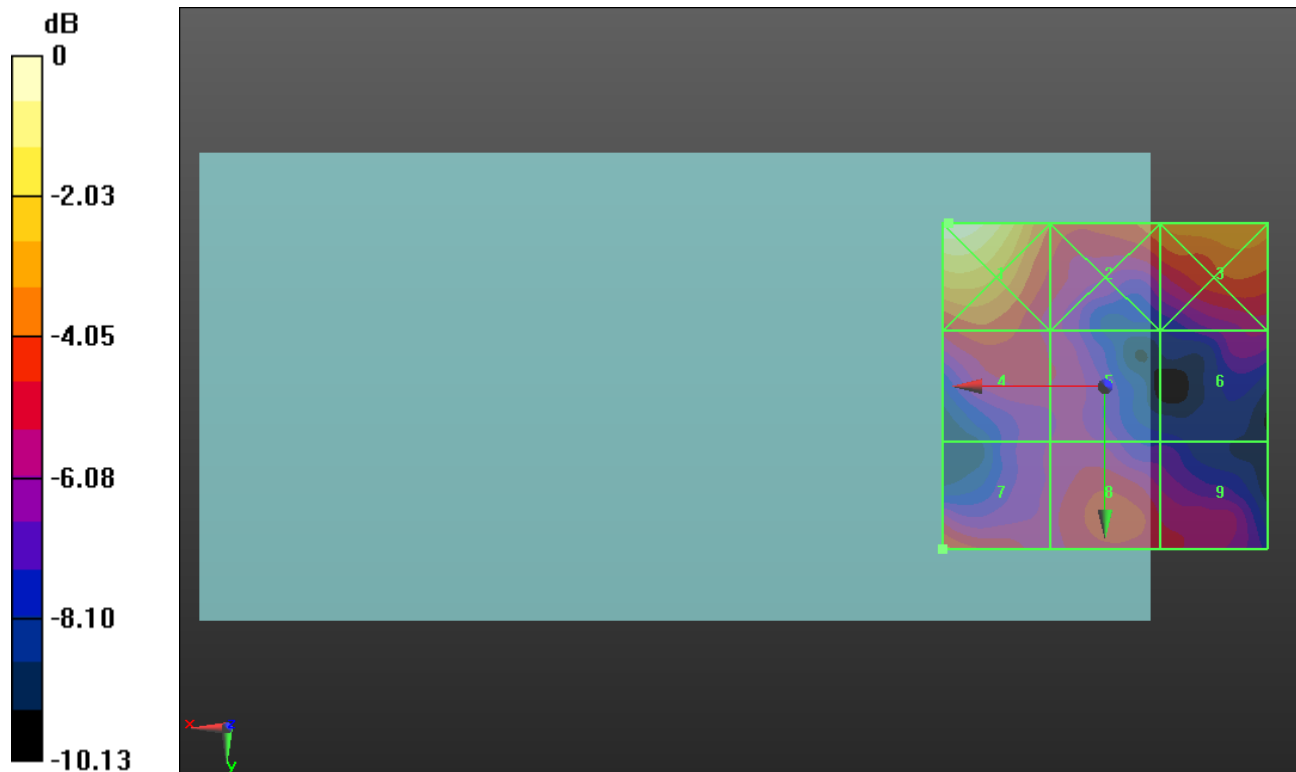
Applied MIF = -1.44 dB

RF audio interference level = 15.14 dBV/m

Emission category: **M4**

MIF scaled E-field

Grid 1 M4 18.72 dBV/m	Grid 2 M4 15.41 dBV/m	Grid 3 M4 16.02 dBV/m
Grid 4 M4 14.45 dBV/m	Grid 5 M4 13.4 dBV/m	Grid 6 M4 12.81 dBV/m
Grid 7 M4 15.14 dBV/m	Grid 8 M4 14.34 dBV/m	Grid 9 M4 13.69 dBV/m



0 dB = 8.629 V/m = 18.72 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 = 7.179 V/m; Power Drift = 0.09 dB

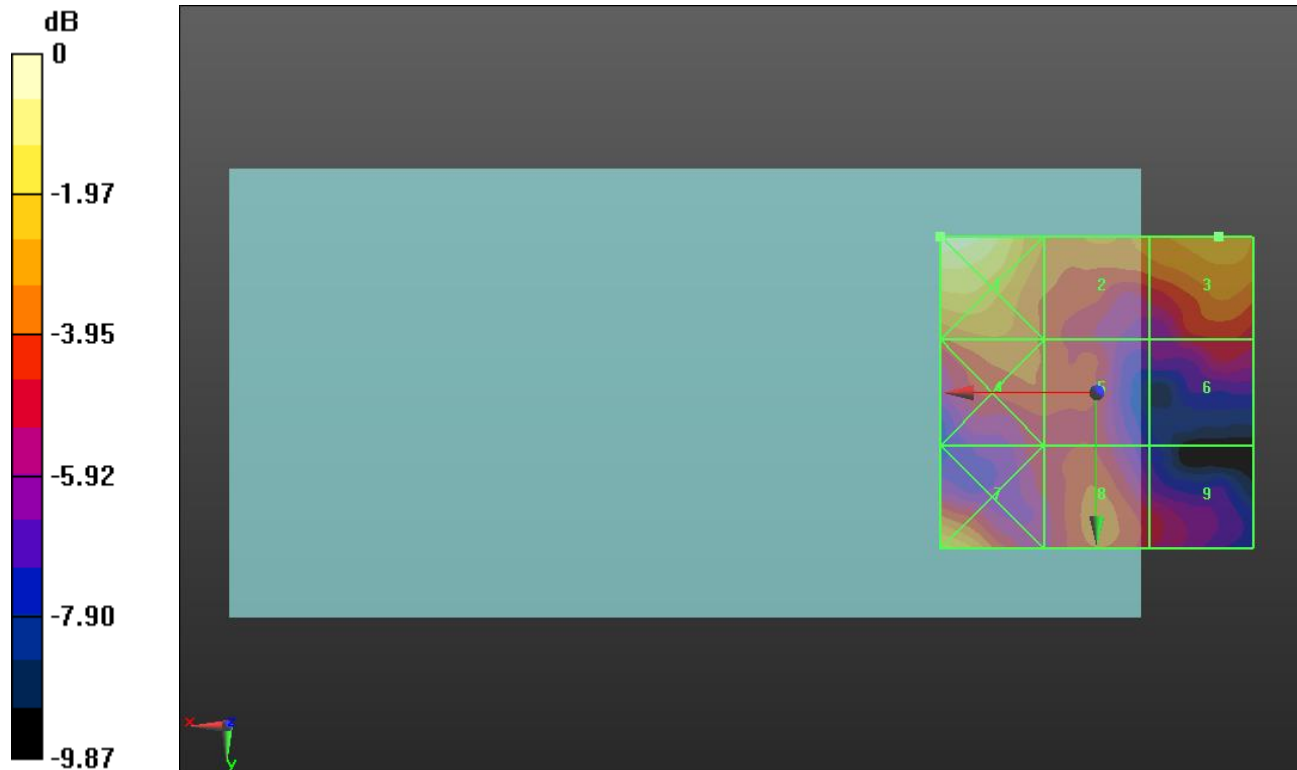
Applied MIF = -1.44 dB

RF audio interference level = 16.21 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 18.31 dBV/m	Grid 2 M4 15.44 dBV/m	Grid 3 M4 16.21 dBV/m
Grid 4 M4 14.96 dBV/m	Grid 5 M4 14.31 dBV/m	Grid 6 M4 13.74 dBV/m
Grid 7 M4 16.65 dBV/m	Grid 8 M4 14.87 dBV/m	Grid 9 M4 13.48 dBV/m



0 dB = 8.235 V/m = 18.31 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 = 7.306 V/m; Power Drift = -0.09 dB

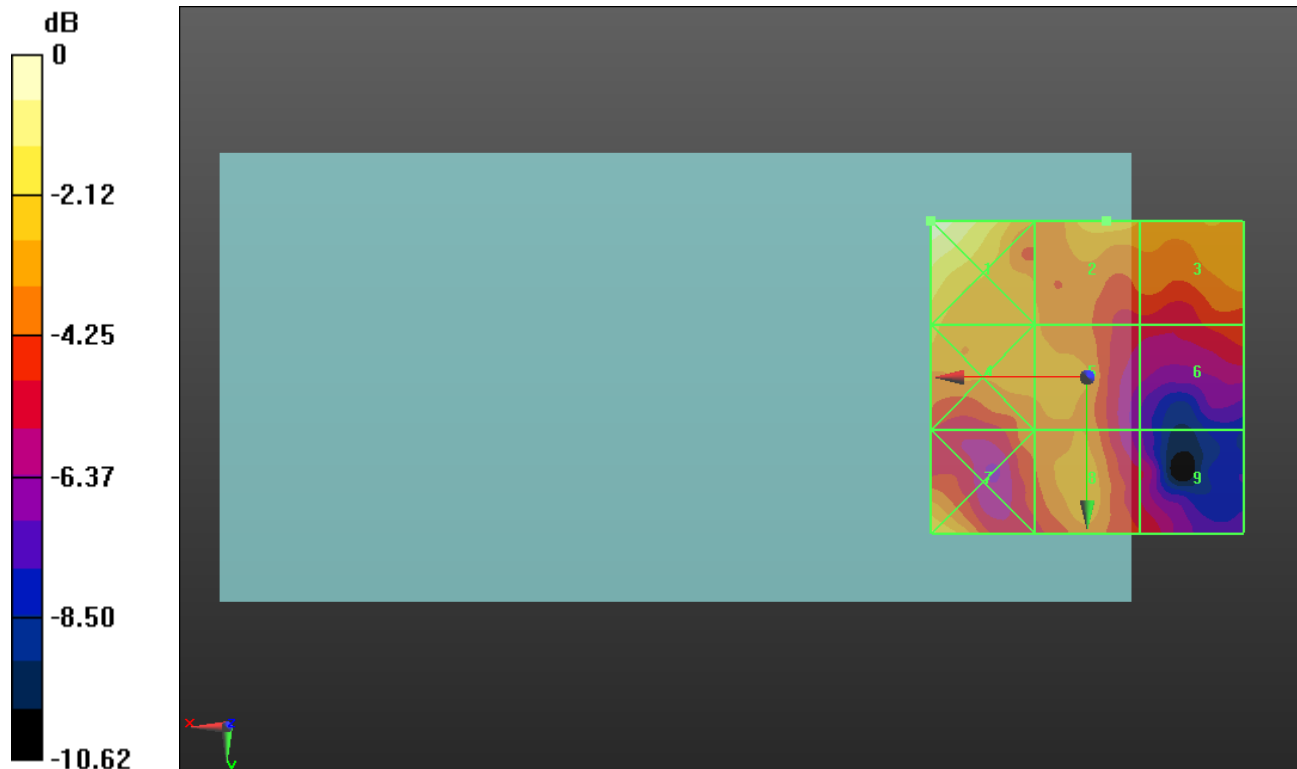
Applied MIF = -1.44 dB

RF audio interference level = 15.06 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 17.37 dBV/m	Grid 2 M4 15.06 dBV/m	Grid 3 M4 14.59 dBV/m
Grid 4 M4 14.86 dBV/m	Grid 5 M4 14.41 dBV/m	Grid 6 M4 12.8 dBV/m
Grid 7 M4 15.45 dBV/m	Grid 8 M4 14.45 dBV/m	Grid 9 M4 12.46 dBV/m



0 dB = 7.388 V/m = 17.37 dBV/m