

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 = 50.33 V/m; Power Drift = 0.09 dB

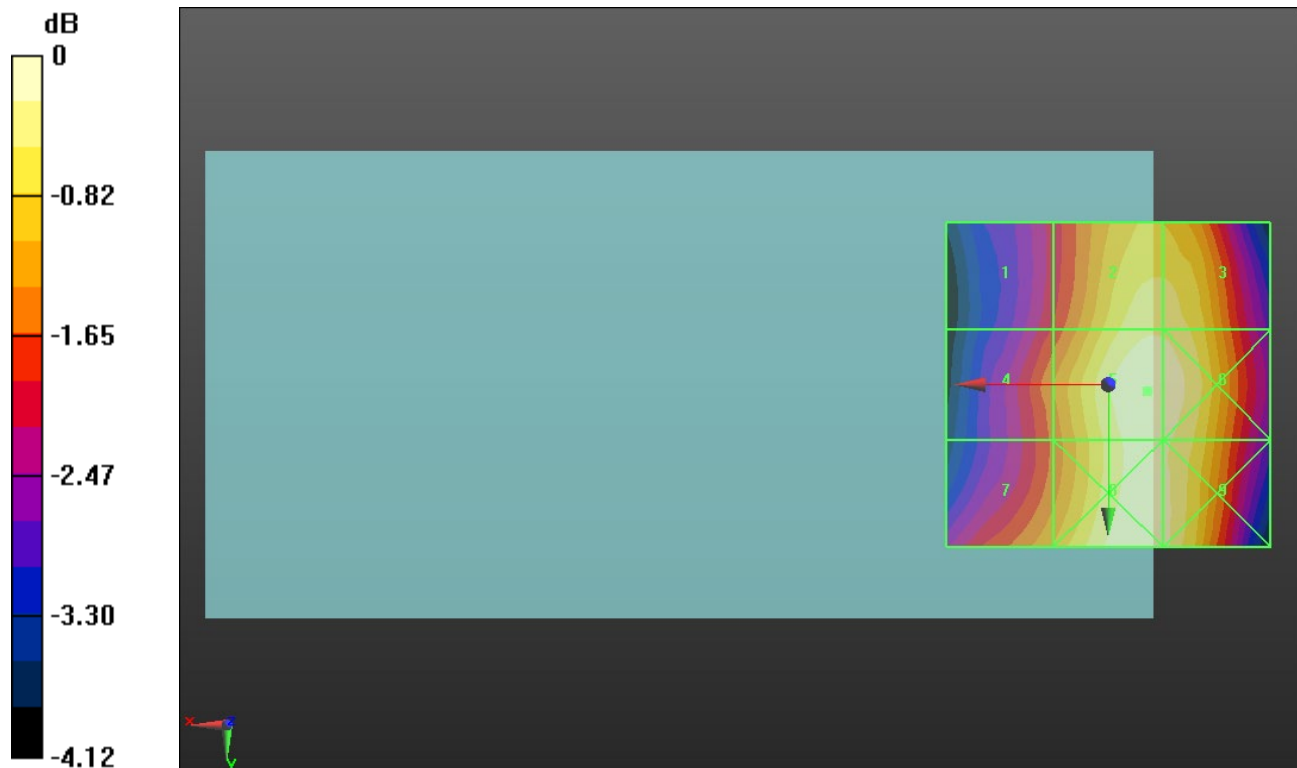
Applied MIF = 3.63 dB

RF audio interference level = 35.08 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 33.22 dBV/m	Grid 2 M4 34.77 dBV/m	Grid 3 M4 34.75 dBV/m
Grid 4 M4 33.71 dBV/m	Grid 5 M4 35.08 dBV/m	Grid 6 M4 35.03 dBV/m
Grid 7 M4 34.02 dBV/m	Grid 8 M4 35.03 dBV/m	Grid 9 M4 34.9 dBV/m



0 dB = 56.76 V/m = 35.08 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 = 35.48 V/m; Power Drift = 3.41 dB

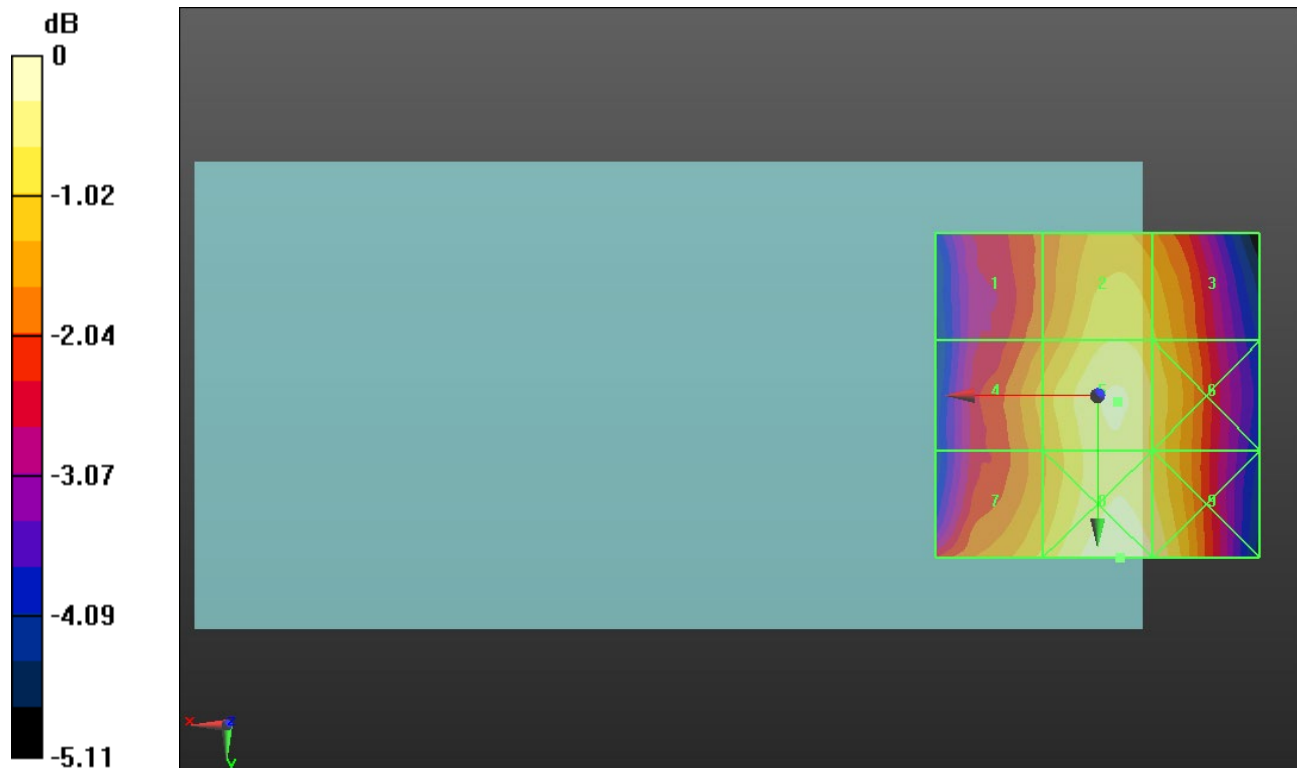
Applied MIF = 3.63 dB

RF audio interference level = 35.04 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 33.64 dBV/m	Grid 2 M4 34.67 dBV/m	Grid 3 M4 34.39 dBV/m
Grid 4 M4 34.11 dBV/m	Grid 5 M4 35.04 dBV/m	Grid 6 M4 34.65 dBV/m
Grid 7 M4 34.41 dBV/m	Grid 8 M4 35.33 dBV/m	Grid 9 M4 35.06 dBV/m



0 dB = 58.43 V/m = 35.33 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 = 55.36 V/m; Power Drift = -0.01 dB

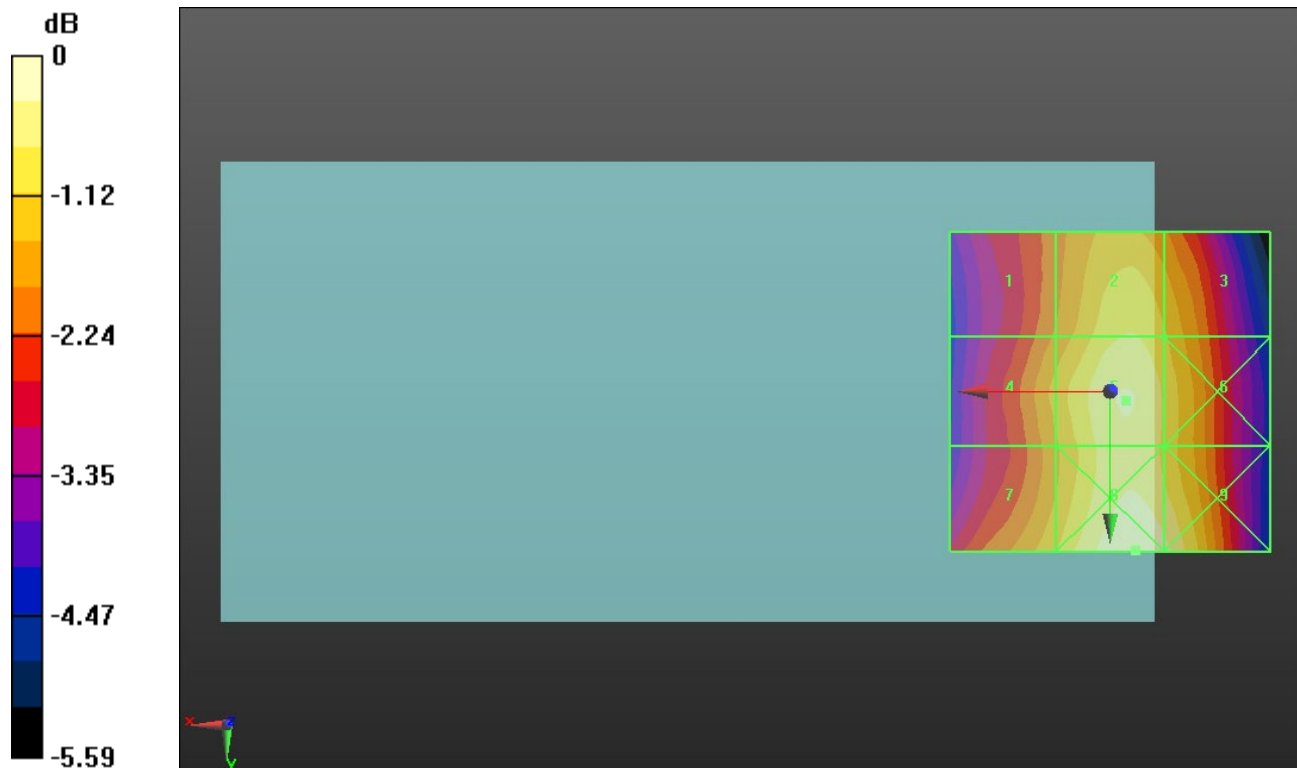
Applied MIF = 3.63 dB

RF audio interference level = 35.62 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 34.2 dBV/m	Grid 2 M4 35.26 dBV/m	Grid 3 M4 34.91 dBV/m
Grid 4 M4 34.63 dBV/m	Grid 5 M4 35.62 dBV/m	Grid 6 M4 35.18 dBV/m
Grid 7 M4 34.84 dBV/m	Grid 8 M4 35.97 dBV/m	Grid 9 M4 35.72 dBV/m



0 dB = 62.89 V/m = 35.97 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 = 18.36 V/m; Power Drift = -0.12 dB

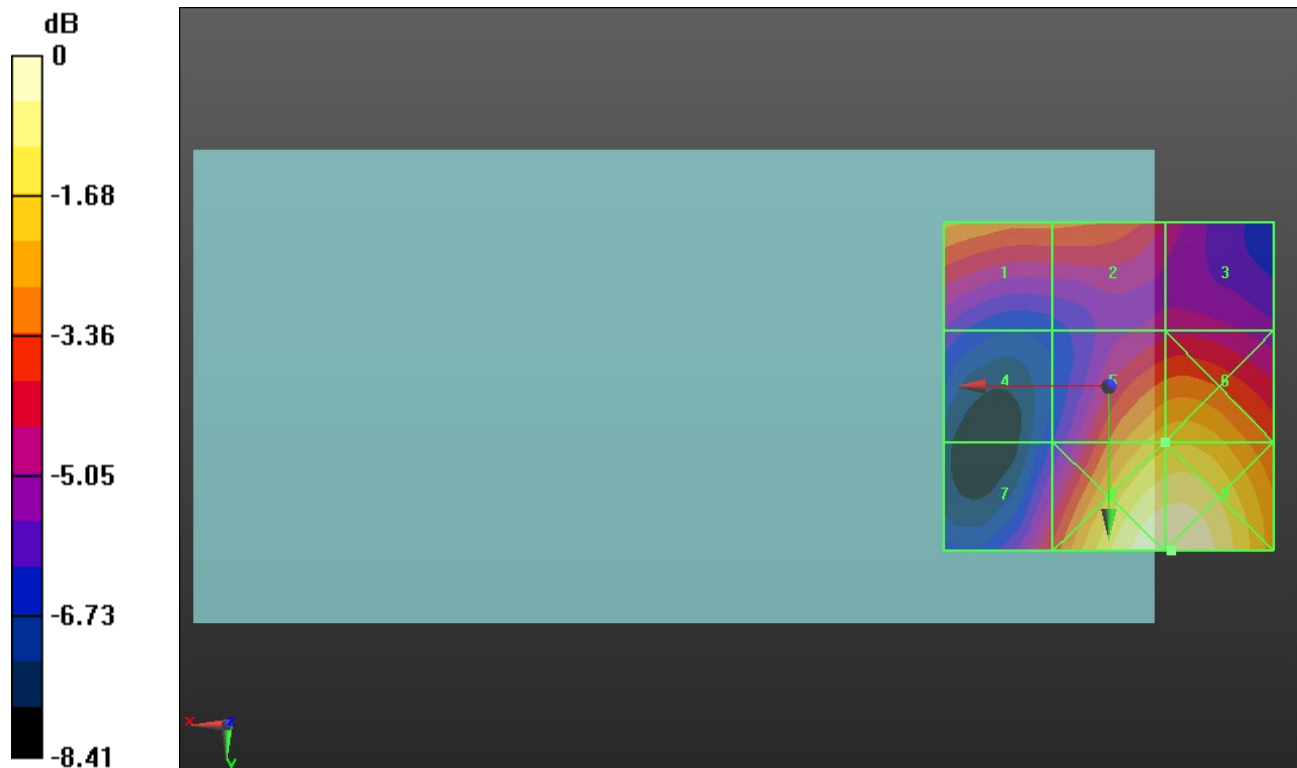
Applied MIF = 3.63 dB

RF audio interference level = 29.59 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 28.84 dBV/m	Grid 2 M4 28.25 dBV/m	Grid 3 M4 26.89 dBV/m
Grid 4 M4 25.85 dBV/m	Grid 5 M4 29.59 dBV/m	Grid 6 M4 29.71 dBV/m
Grid 7 M4 27.7 dBV/m	Grid 8 M3 31.41 dBV/m	Grid 9 M3 31.43 dBV/m



0 dB = 37.30 V/m = 31.43 dBV/m

HAC-RF Emission ANT1

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

Phantom section: RF Section

DASY5 Configuration:

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

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

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

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 15.19 V/m; Power Drift = -0.15 dB

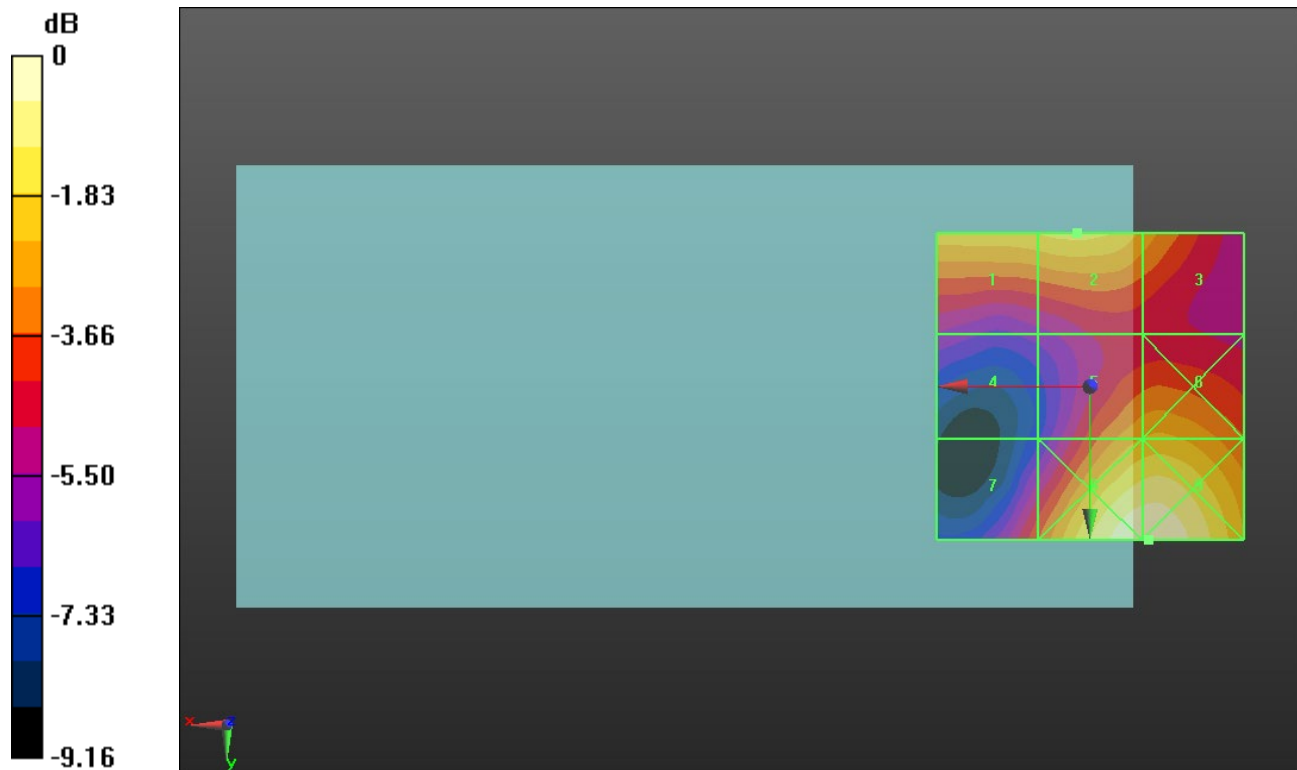
Applied MIF = 3.63 dB

RF audio interference level = 28.96 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 28.73 dBV/m	Grid 2 M4 28.96 dBV/m	Grid 3 M4 27.94 dBV/m
Grid 4 M4 25.03 dBV/m	Grid 5 M4 28.14 dBV/m	Grid 6 M4 28.28 dBV/m
Grid 7 M4 26.88 dBV/m	Grid 8 M3 30.52 dBV/m	Grid 9 M3 30.54 dBV/m



0 dB = 33.66 V/m = 30.54 dBV/m

HAC-RF Emission ANT1

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

Phantom section: RF Section

DASY5 Configuration:

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

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

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

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 16.03 V/m; Power Drift = -0.02 dB

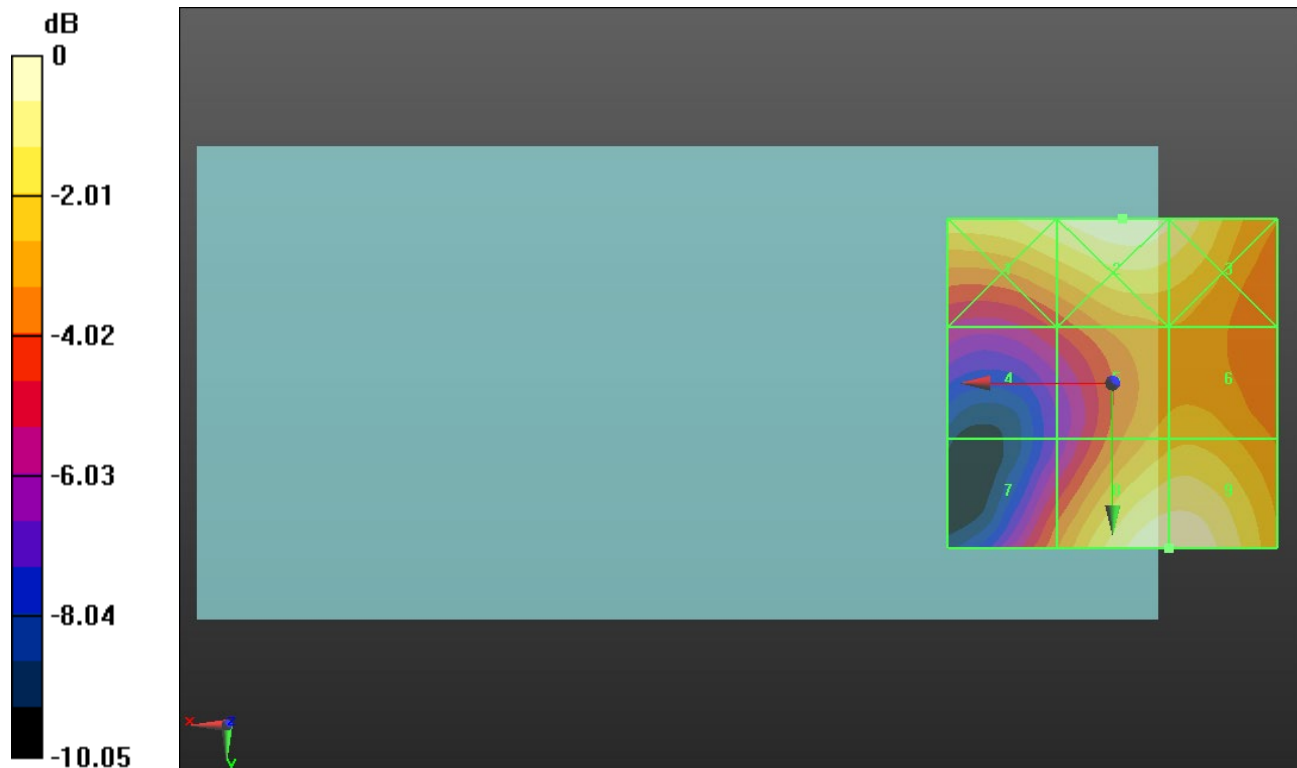
Applied MIF = 3.63 dB

RF audio interference level = 29.55 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 28.99 dBV/m	Grid 2 M4 29.67 dBV/m	Grid 3 M4 29.14 dBV/m
Grid 4 M4 25.15 dBV/m	Grid 5 M4 27.43 dBV/m	Grid 6 M4 27.57 dBV/m
Grid 7 M4 26.27 dBV/m	Grid 8 M4 29.55 dBV/m	Grid 9 M4 29.55 dBV/m



0 dB = 30.46 V/m = 29.67 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 = 23.91 V/m; Power Drift = -0.03 dB

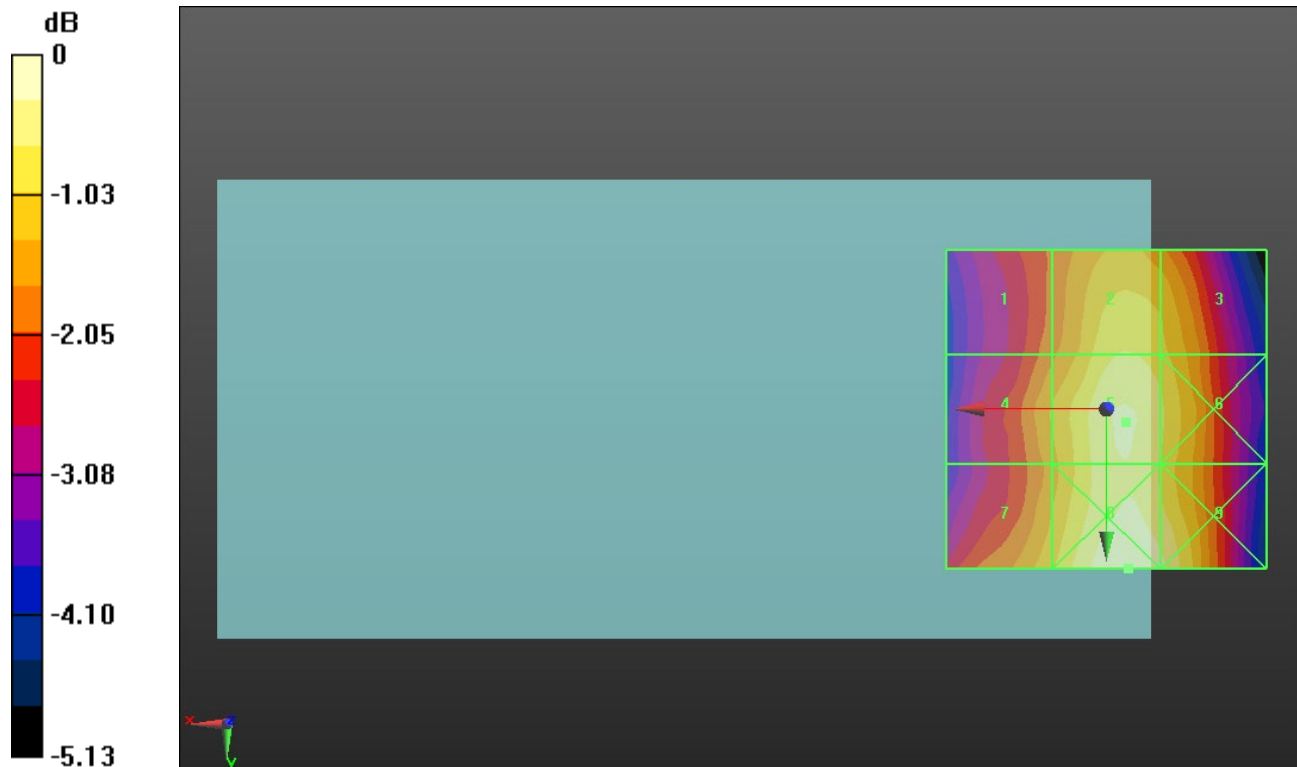
Applied MIF = 3.26 dB

RF audio interference level = 28.07 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 26.6 dBV/m	Grid 2 M4 27.72 dBV/m	Grid 3 M4 27.48 dBV/m
Grid 4 M4 27.05 dBV/m	Grid 5 M4 28.07 dBV/m	Grid 6 M4 27.75 dBV/m
Grid 7 M4 27.32 dBV/m	Grid 8 M4 28.37 dBV/m	Grid 9 M4 28.14 dBV/m



0 dB = 26.22 V/m = 28.37 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 = 24.35 V/m; Power Drift = -0.05 dB

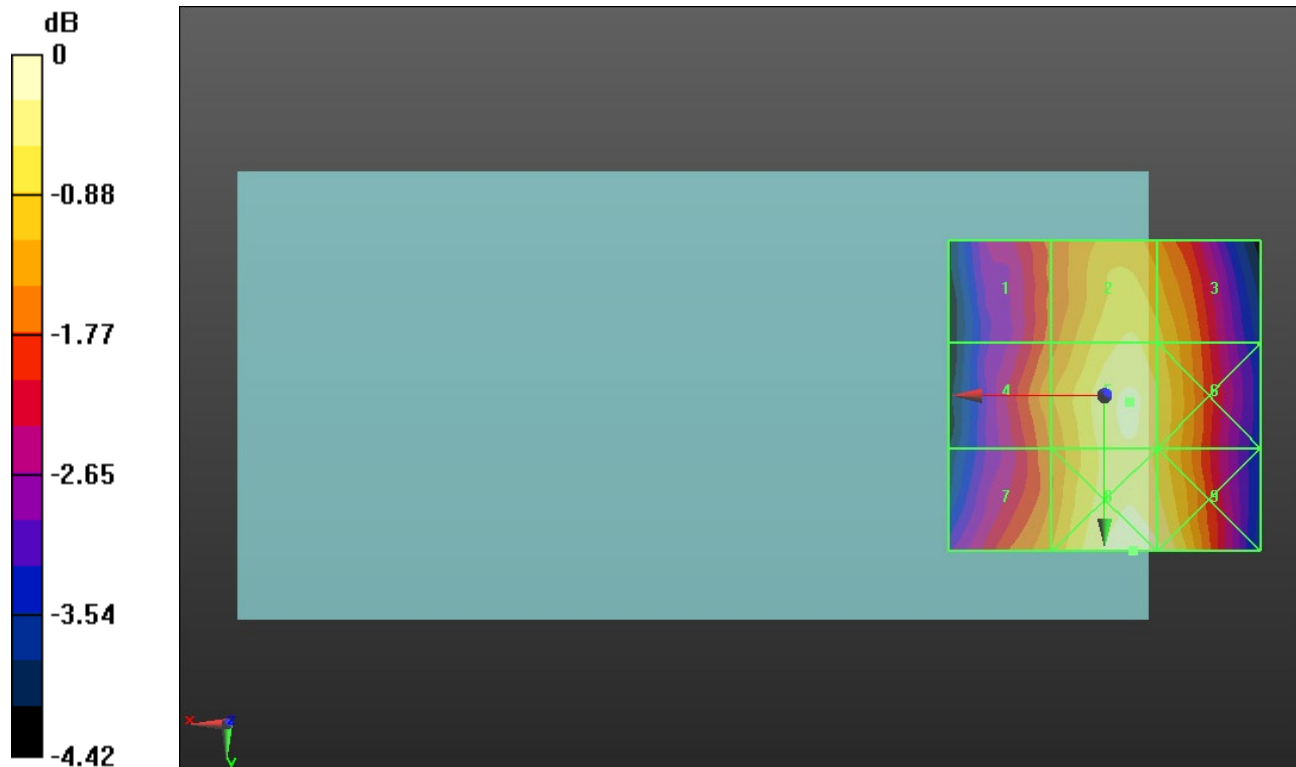
Applied MIF = 3.26 dB

RF audio interference level = 28.74 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 27.38 dBV/m	Grid 2 M4 28.43 dBV/m	Grid 3 M4 28.2 dBV/m
Grid 4 M4 27.77 dBV/m	Grid 5 M4 28.74 dBV/m	Grid 6 M4 28.4 dBV/m
Grid 7 M4 27.81 dBV/m	Grid 8 M4 28.97 dBV/m	Grid 9 M4 28.8 dBV/m



0 dB = 28.10 V/m = 28.97 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 = 24.46 V/m; Power Drift = -0.04 dB

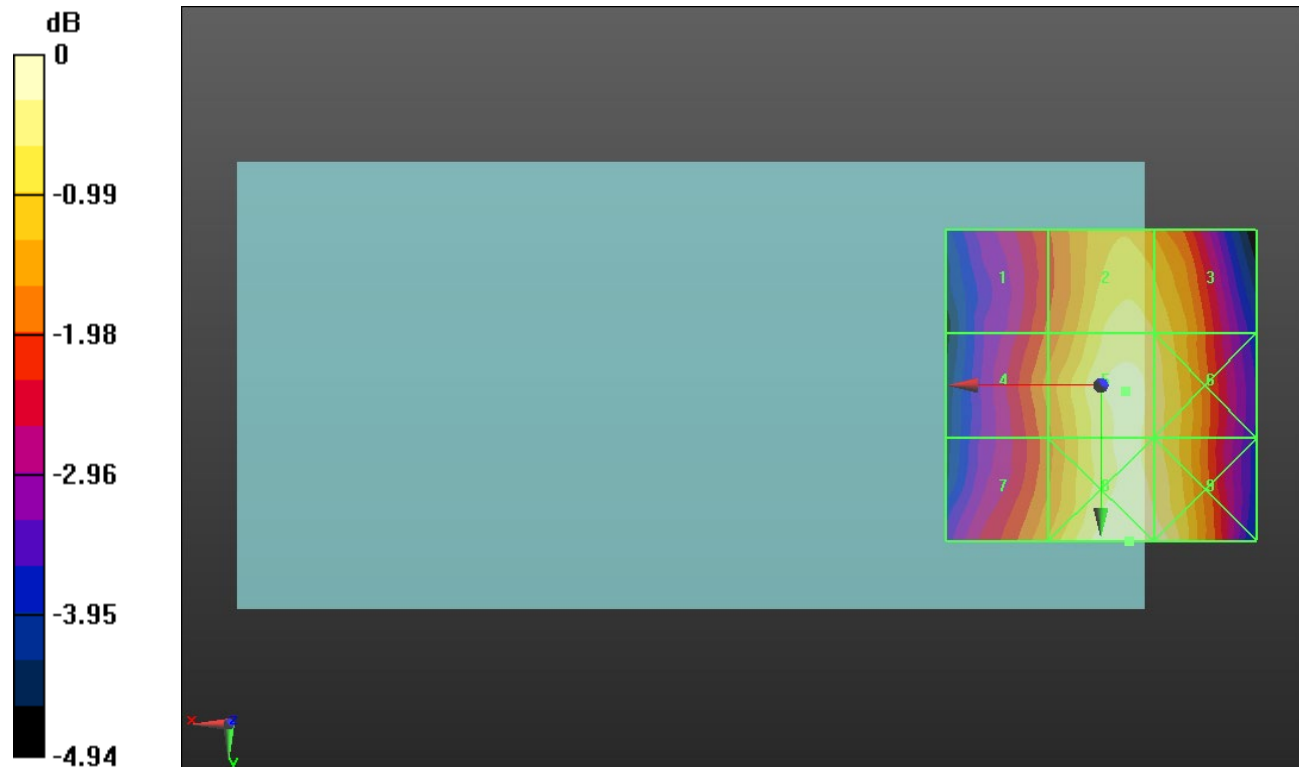
Applied MIF = 3.26 dB

RF audio interference level = 28.64 dBV/m

Emission category: **M4**

MIF scaled E-field

Grid 1 M4 26.94 dBV/m	Grid 2 M4 28.34 dBV/m	Grid 3 M4 28.18 dBV/m
Grid 4 M4 27.32 dBV/m	Grid 5 M4 28.64 dBV/m	Grid 6 M4 28.38 dBV/m
Grid 7 M4 27.55 dBV/m	Grid 8 M4 28.83 dBV/m	Grid 9 M4 28.77 dBV/m



0 dB = 27.64 V/m = 28.83 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 = 5.334 V/m; Power Drift = -0.65 dB

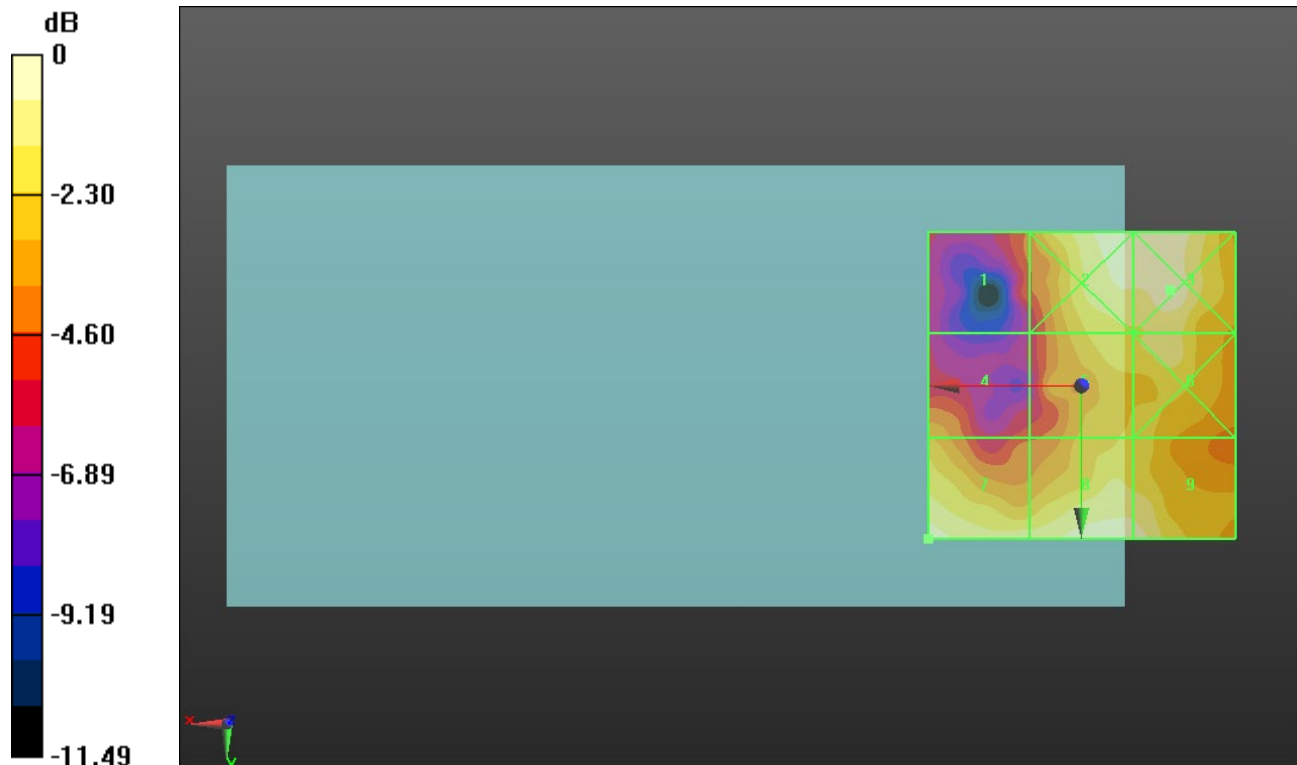
Applied MIF = 3.26 dB

RF audio interference level = 19.16 dBV/m

Emission category: **M4**

MIF scaled E-field

Grid 1 M4 15.16 dBV/m	Grid 2 M4 19.14 dBV/m	Grid 3 M4 19.35 dBV/m
Grid 4 M4 16.38 dBV/m	Grid 5 M4 17.76 dBV/m	Grid 6 M4 18.26 dBV/m
Grid 7 M4 19.16 dBV/m	Grid 8 M4 18.95 dBV/m	Grid 9 M4 18.86 dBV/m



0 dB = 9.283 V/m = 19.35 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 = 6.284 V/m; Power Drift = -0.39 dB

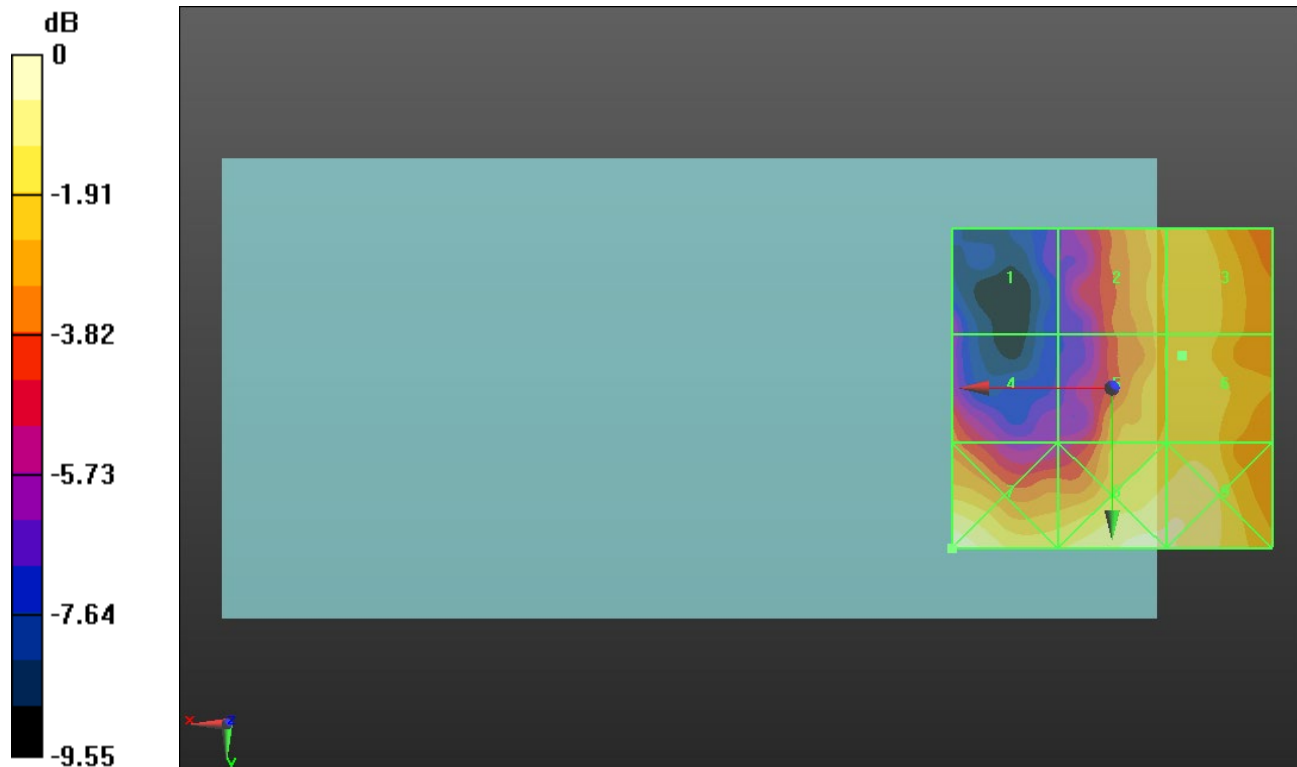
Applied MIF = 3.26 dB

RF audio interference level = 19.60 dBV/m

Emission category: **M4**

MIF scaled E-field

Grid 1 M4 15.44 dBV/m	Grid 2 M4 19.2 dBV/m	Grid 3 M4 19.5 dBV/m
Grid 4 M4 17.4 dBV/m	Grid 5 M4 19.13 dBV/m	Grid 6 M4 19.6 dBV/m
Grid 7 M4 20.85 dBV/m	Grid 8 M4 20.58 dBV/m	Grid 9 M4 20.33 dBV/m



0 dB = 11.02 V/m = 20.84 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 = 6.829 V/m; Power Drift = -0.39 dB

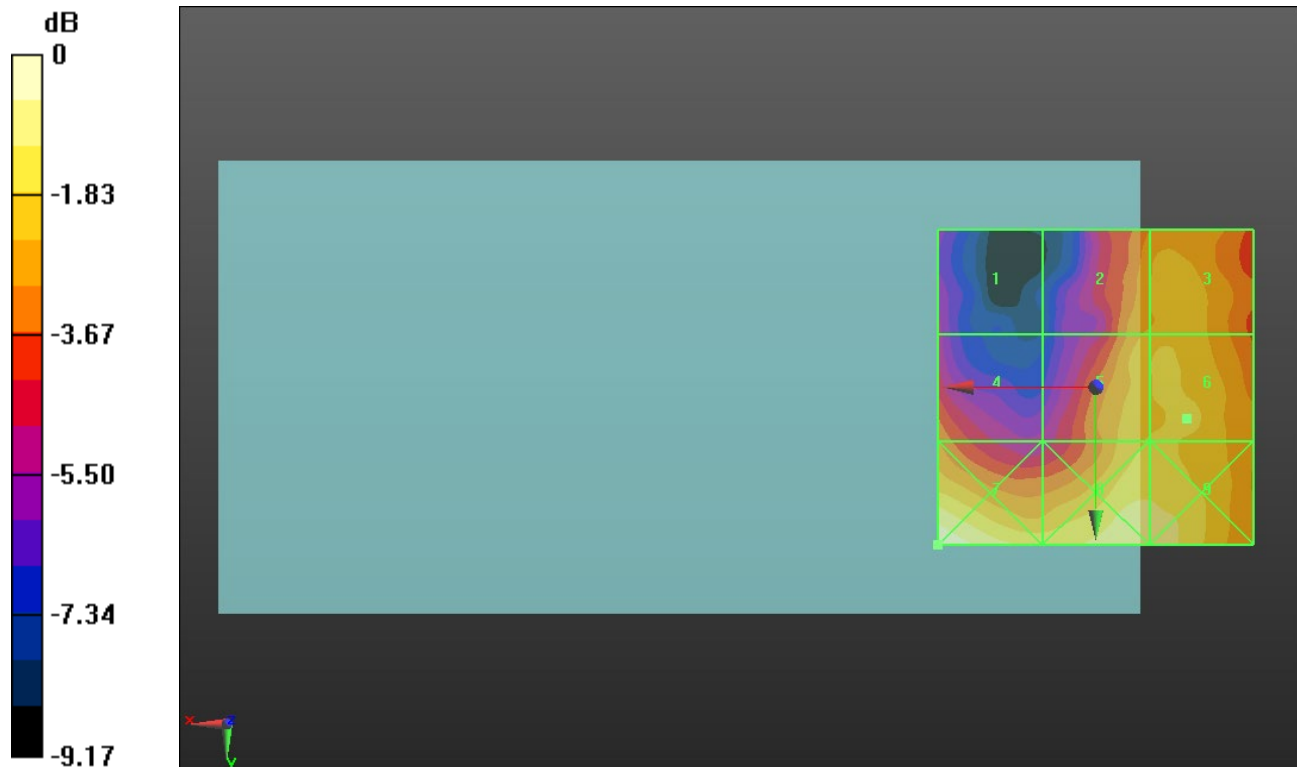
Applied MIF = 3.26 dB

RF audio interference level = 19.96 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 16.42 dBV/m	Grid 2 M4 19.22 dBV/m	Grid 3 M4 19.56 dBV/m
Grid 4 M4 18.52 dBV/m	Grid 5 M4 19.78 dBV/m	Grid 6 M4 19.96 dBV/m
Grid 7 M4 21.55 dBV/m	Grid 8 M4 20.84 dBV/m	Grid 9 M4 20.74 dBV/m



0 dB = 11.95 V/m = 21.55 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 = 22.53 V/m; Power Drift = 0.02 dB

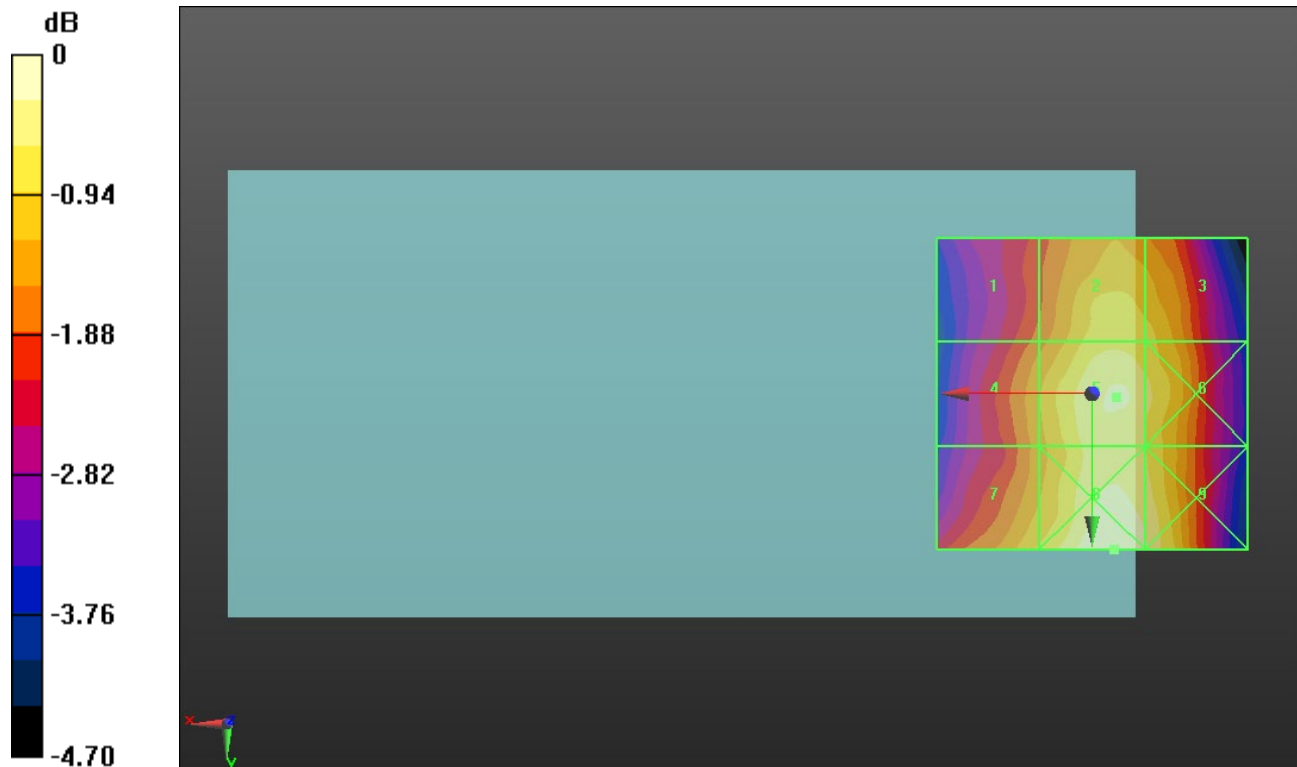
Applied MIF = 3.26 dB

RF audio interference level = 27.62 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 26.16 dBV/m	Grid 2 M4 27.17 dBV/m	Grid 3 M4 27.08 dBV/m
Grid 4 M4 26.61 dBV/m	Grid 5 M4 27.62 dBV/m	Grid 6 M4 27.36 dBV/m
Grid 7 M4 27 dBV/m	Grid 8 M4 27.87 dBV/m	Grid 9 M4 27.61 dBV/m



0 dB = 24.75 V/m = 27.87 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 = 23.25 V/m; Power Drift = -0.07 dB

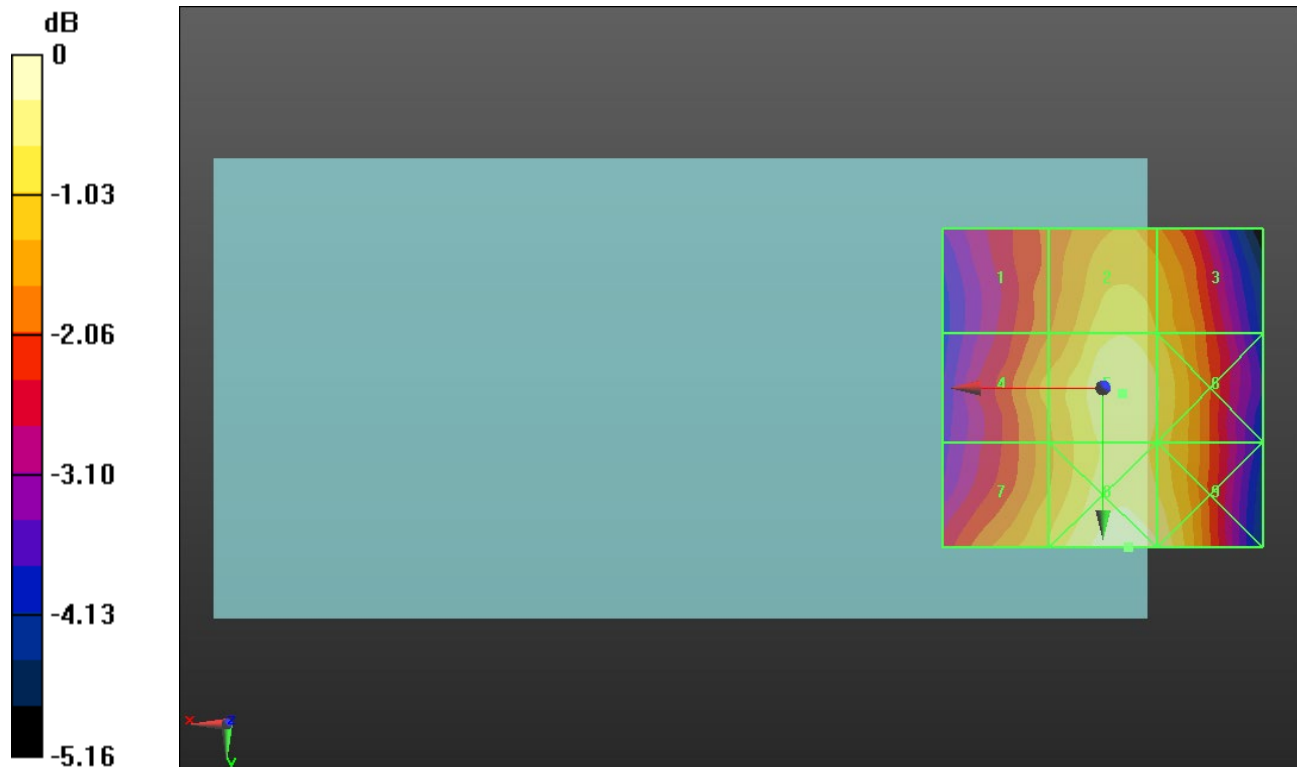
Applied MIF = 3.26 dB

RF audio interference level = 27.75 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 26.38 dBV/m	Grid 2 M4 27.41 dBV/m	Grid 3 M4 27.1 dBV/m
Grid 4 M4 26.88 dBV/m	Grid 5 M4 27.75 dBV/m	Grid 6 M4 27.45 dBV/m
Grid 7 M4 27.11 dBV/m	Grid 8 M4 28.11 dBV/m	Grid 9 M4 27.82 dBV/m



0 dB = 25.43 V/m = 28.11 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 = 23.77 V/m; Power Drift = -0.03 dB

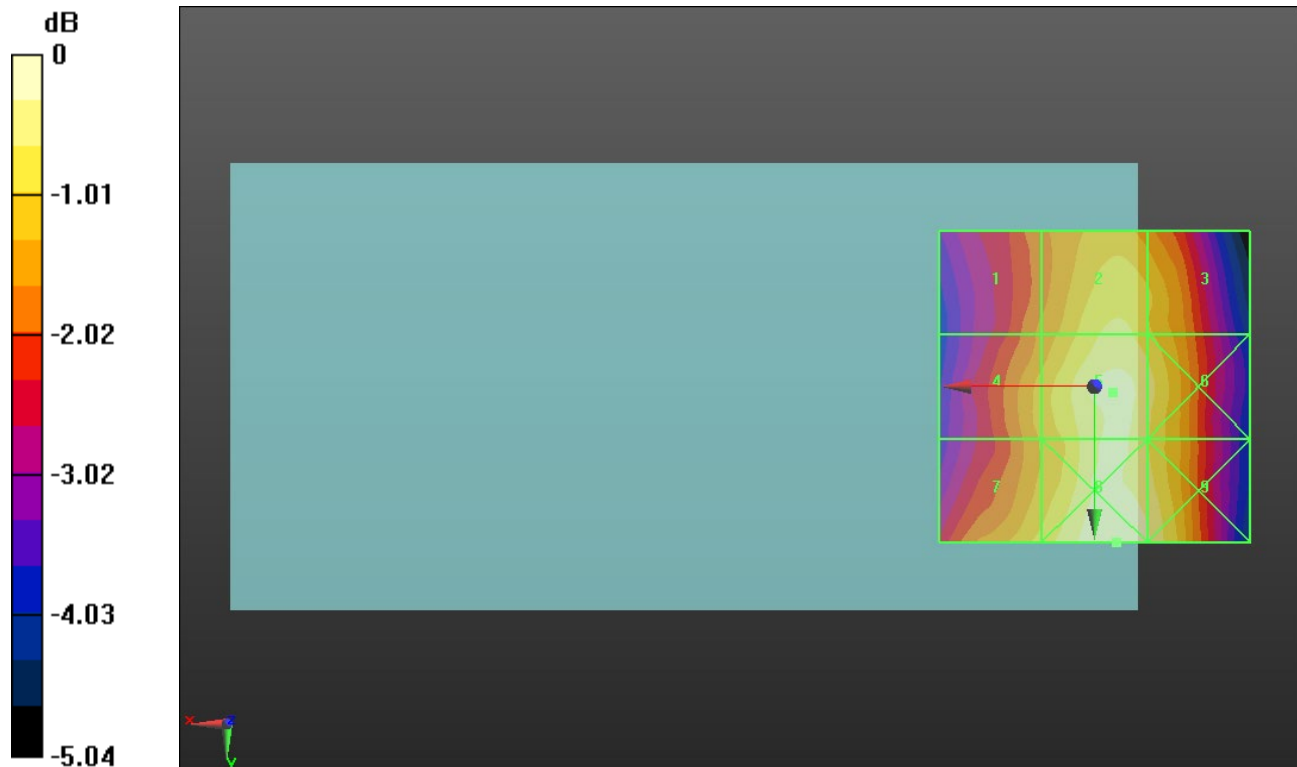
Applied MIF = 3.26 dB

RF audio interference level = 28.08 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 26.71 dBV/m	Grid 2 M4 27.7 dBV/m	Grid 3 M4 27.39 dBV/m
Grid 4 M4 27.12 dBV/m	Grid 5 M4 28.08 dBV/m	Grid 6 M4 27.76 dBV/m
Grid 7 M4 27.41 dBV/m	Grid 8 M4 28.28 dBV/m	Grid 9 M4 28 dBV/m



0 dB = 25.94 V/m = 28.28 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 = 9.627 V/m; Power Drift = 0.07 dB

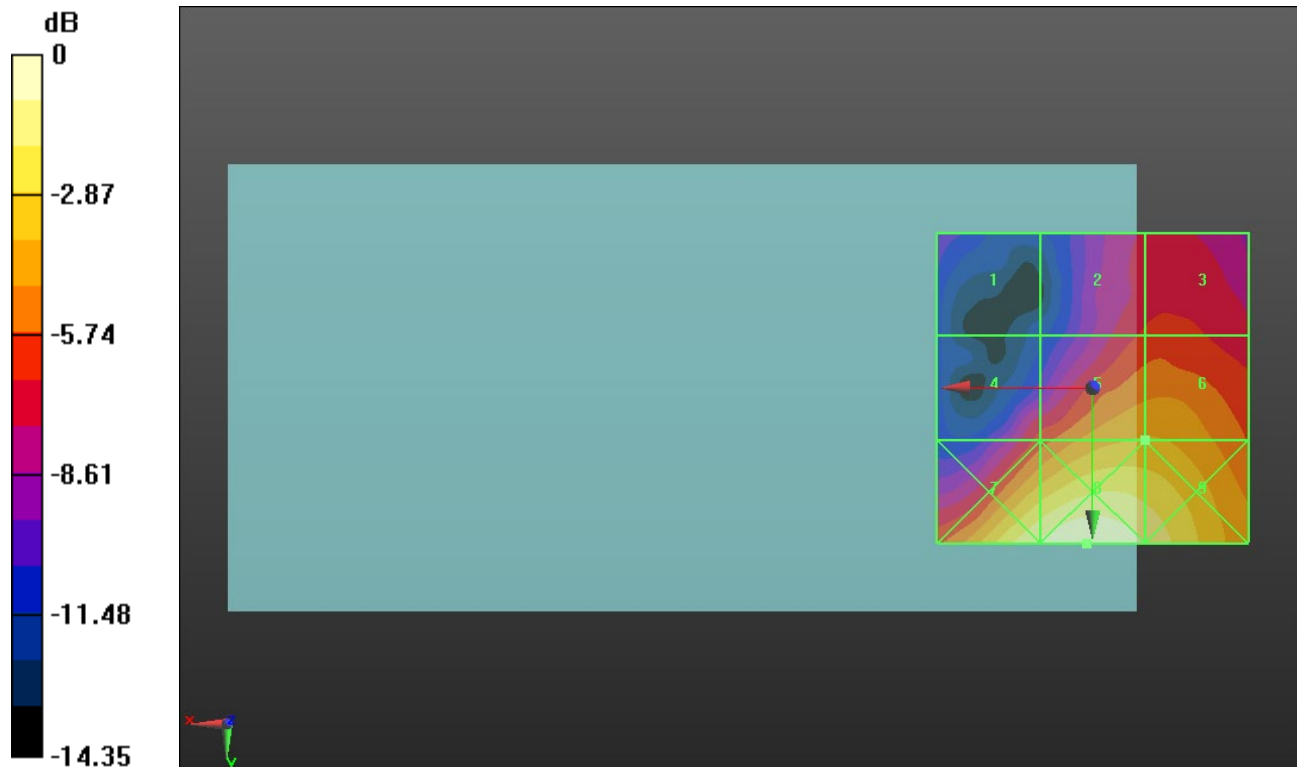
Applied MIF = -1.44 dB

RF audio interference level = 18.97 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 12.76 dBV/m	Grid 2 M4 16.2 dBV/m	Grid 3 M4 16.4 dBV/m
Grid 4 M4 16.46 dBV/m	Grid 5 M4 18.97 dBV/m	Grid 6 M4 18.97 dBV/m
Grid 7 M4 21.9 dBV/m	Grid 8 M4 22.68 dBV/m	Grid 9 M4 21.63 dBV/m



0 dB = 13.61 V/m = 22.68 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 = 12.14 V/m; Power Drift = -0.09 dB

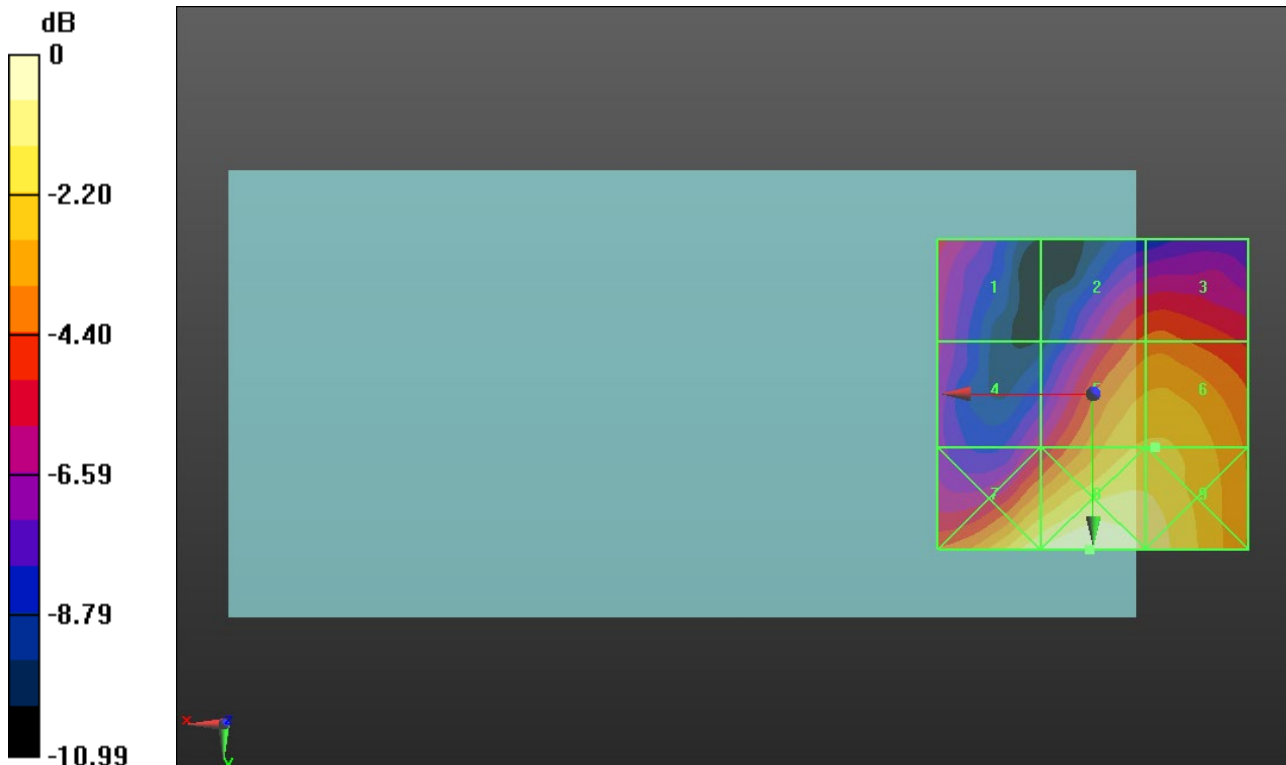
Applied MIF = -1.44 dB

RF audio interference level = 20.76 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 17.3 dBV/m	Grid 2 M4 18.65 dBV/m	Grid 3 M4 18.78 dBV/m
Grid 4 M4 16.92 dBV/m	Grid 5 M4 20.74 dBV/m	Grid 6 M4 20.76 dBV/m
Grid 7 M4 22.07 dBV/m	Grid 8 M4 22.82 dBV/m	Grid 9 M4 21.95 dBV/m



0 dB = 13.83 V/m = 22.82 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 = 12.56 V/m; Power Drift = 0.02 dB

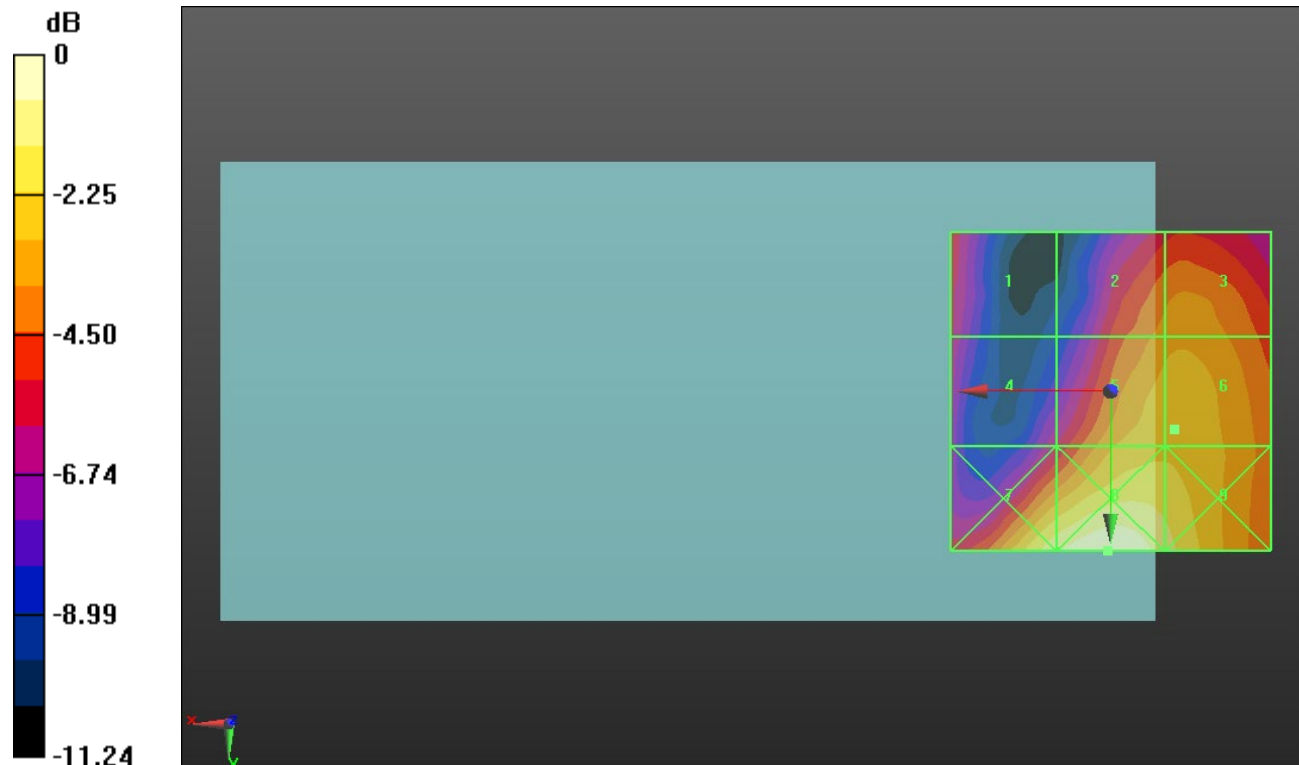
Applied MIF = -1.44 dB

RF audio interference level = 20.63 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 17.76 dBV/m	Grid 2 M4 19.59 dBV/m	Grid 3 M4 19.8 dBV/m
Grid 4 M4 17.18 dBV/m	Grid 5 M4 20.61 dBV/m	Grid 6 M4 20.63 dBV/m
Grid 7 M4 22.15 dBV/m	Grid 8 M4 22.98 dBV/m	Grid 9 M4 21.82 dBV/m



0 dB = 14.09 V/m = 22.98 dBV/m

HAC-RF Emission ANT1

Communication System: UID 10173 - CAG, LTE-TDD (SC-FDMA, 1 RB, 20 MHz, 16-QAM); Frequency: 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 = 10.74 V/m; Power Drift = -0.16 dB

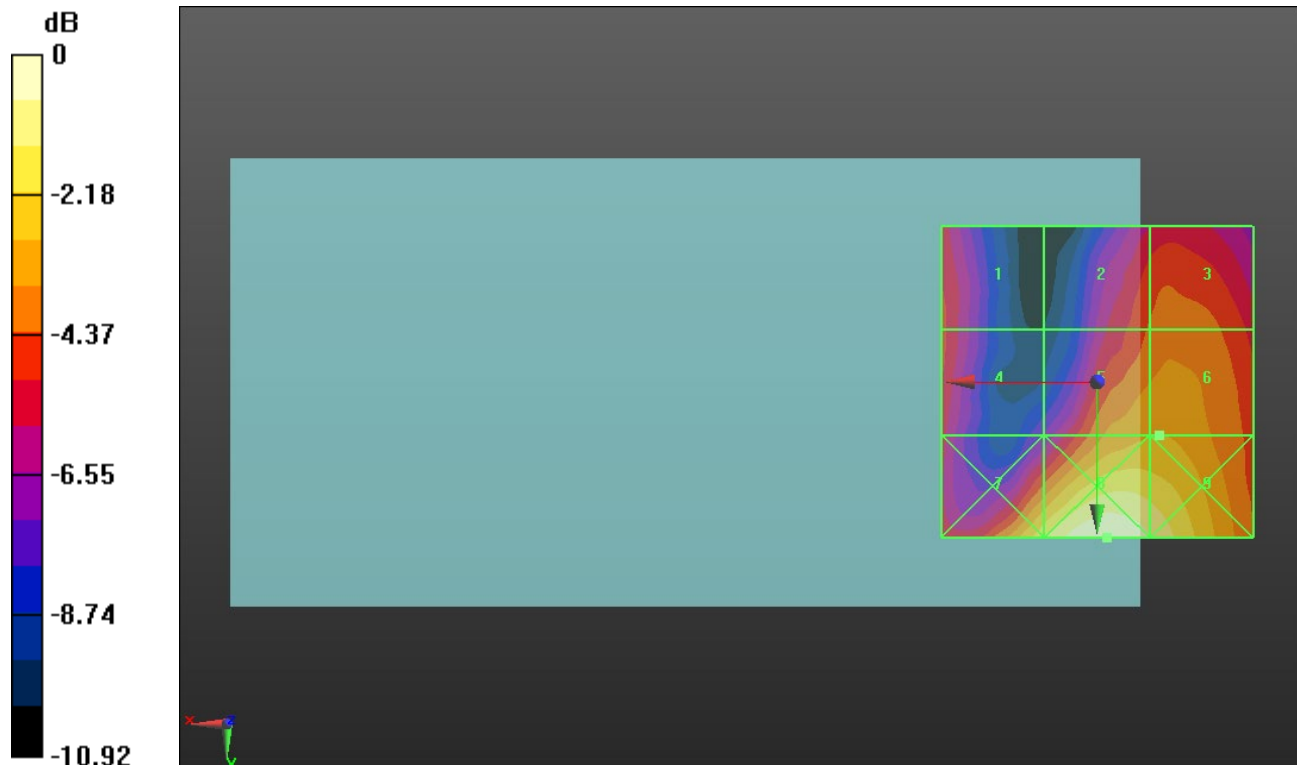
Applied MIF = -1.44 dB

RF audio interference level = 20.18 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 18.28 dBV/m	Grid 2 M4 18.85 dBV/m	Grid 3 M4 19.2 dBV/m
Grid 4 M4 18.3 dBV/m	Grid 5 M4 20.16 dBV/m	Grid 6 M4 20.18 dBV/m
Grid 7 M4 21.59 dBV/m	Grid 8 M4 23.08 dBV/m	Grid 9 M4 22.38 dBV/m



0 dB = 14.26 V/m = 23.08 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 = 11.99 V/m; Power Drift = -0.18 dB

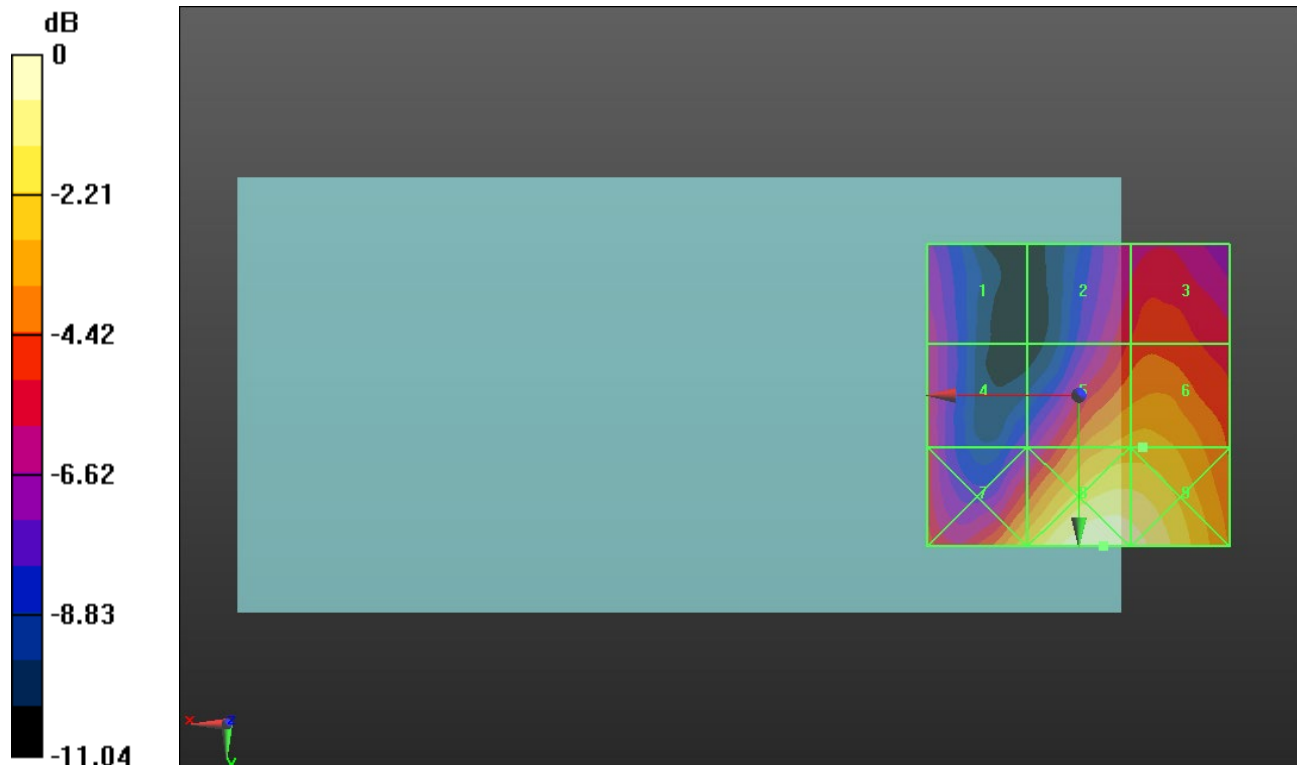
Applied MIF = -1.44 dB

RF audio interference level = 21.71 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 18.34 dBV/m	Grid 2 M4 19.25 dBV/m	Grid 3 M4 19.73 dBV/m
Grid 4 M4 18.91 dBV/m	Grid 5 M4 21.68 dBV/m	Grid 6 M4 21.71 dBV/m
Grid 7 M4 22.13 dBV/m	Grid 8 M4 24.29 dBV/m	Grid 9 M4 23.96 dBV/m



0 dB = 16.39 V/m = 24.29 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 = 10.35 V/m; Power Drift = -0.12 dB

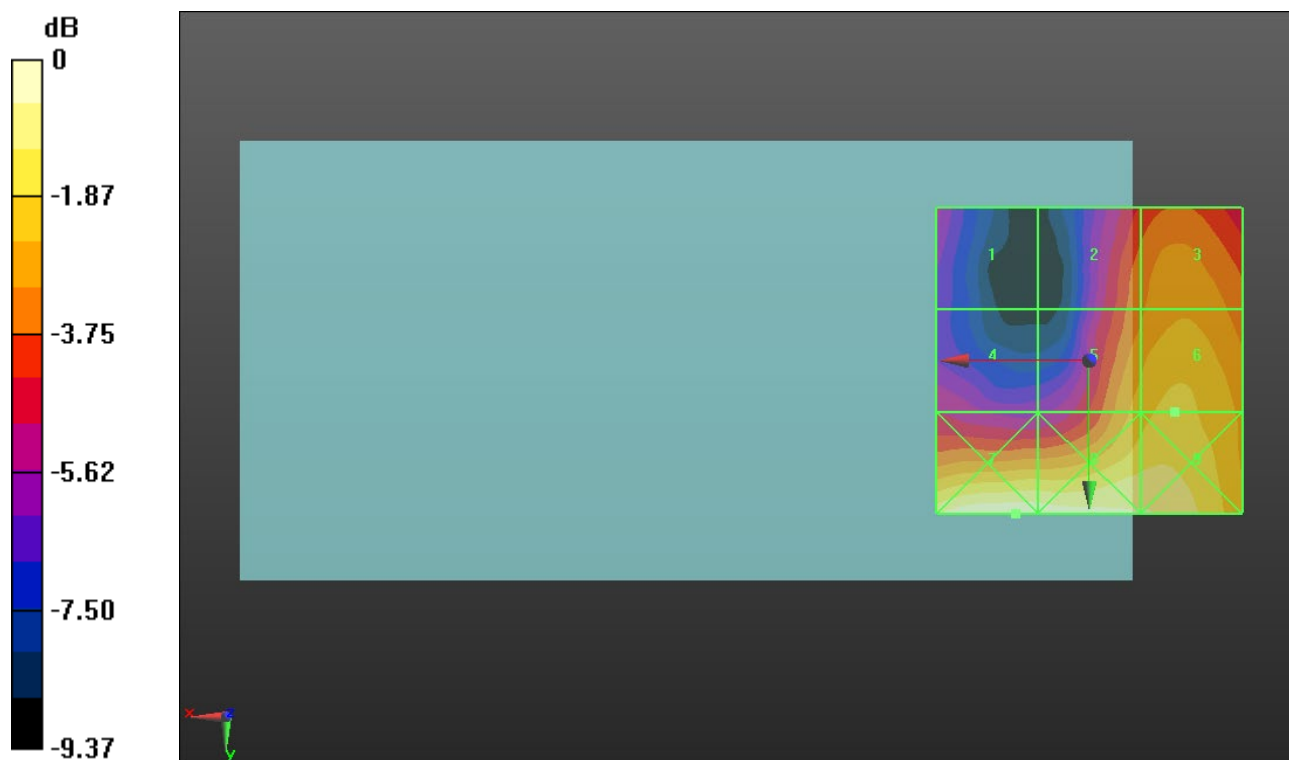
Applied MIF = -1.44 dB

RF audio interference level = 20.40 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 16.75 dBV/m	Grid 2 M4 18.89 dBV/m	Grid 3 M4 19.55 dBV/m
Grid 4 M4 17.12 dBV/m	Grid 5 M4 19.97 dBV/m	Grid 6 M4 20.4 dBV/m
Grid 7 M4 22.09 dBV/m	Grid 8 M4 22.02 dBV/m	Grid 9 M4 21.55 dBV/m



0 dB = 12.73 V/m = 22.10 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 = 9.622 V/m; Power Drift = -0.10 dB

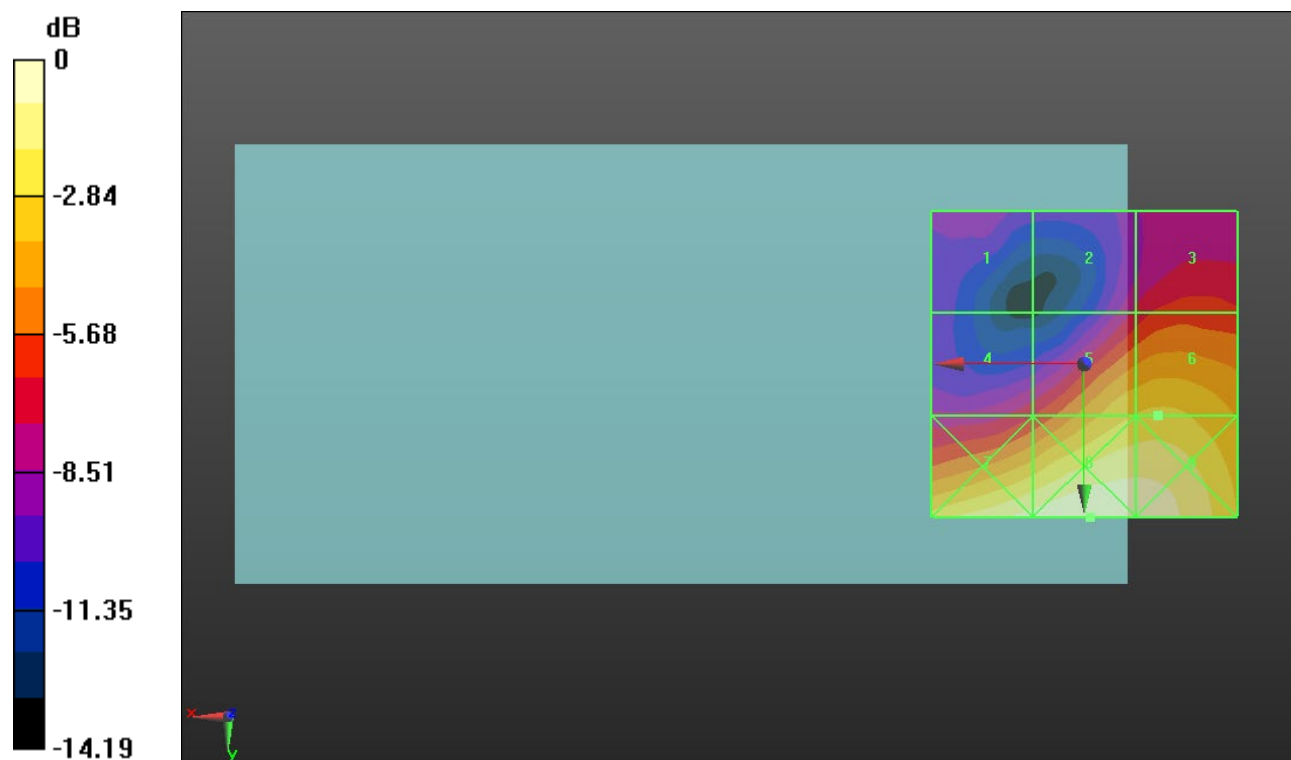
Applied MIF = -1.44 dB

RF audio interference level = 20.94 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 14.56 dBV/m	Grid 2 M4 16.23 dBV/m	Grid 3 M4 17.4 dBV/m
Grid 4 M4 16.89 dBV/m	Grid 5 M4 20.76 dBV/m	Grid 6 M4 20.94 dBV/m
Grid 7 M4 22.96 dBV/m	Grid 8 M4 23.5 dBV/m	Grid 9 M4 23.24 dBV/m



0 dB = 14.96 V/m = 23.50 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 = 12.13 V/m; Power Drift = -0.10 dB

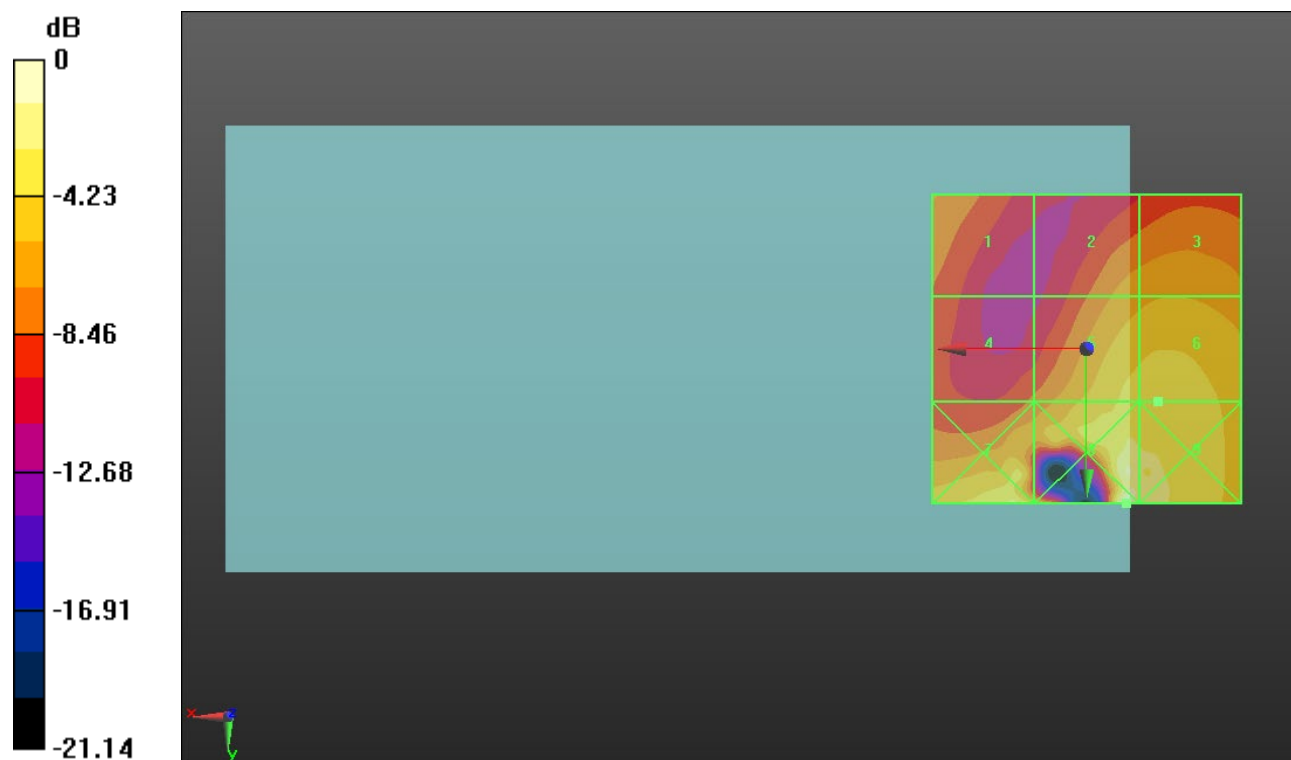
Applied MIF = -1.44 dB

RF audio interference level = 21.94 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 18.64 dBV/m	Grid 2 M4 19.47 dBV/m	Grid 3 M4 19.85 dBV/m
Grid 4 M4 17.47 dBV/m	Grid 5 M4 21.77 dBV/m	Grid 6 M4 21.94 dBV/m
Grid 7 M4 23.61 dBV/m	Grid 8 M4 25.49 dBV/m	Grid 9 M4 23.81 dBV/m



0 dB = 18.81 V/m = 25.49 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 = 10.51 V/m; Power Drift = -0.09 dB

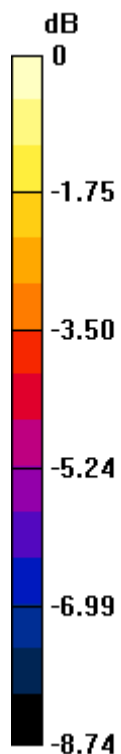
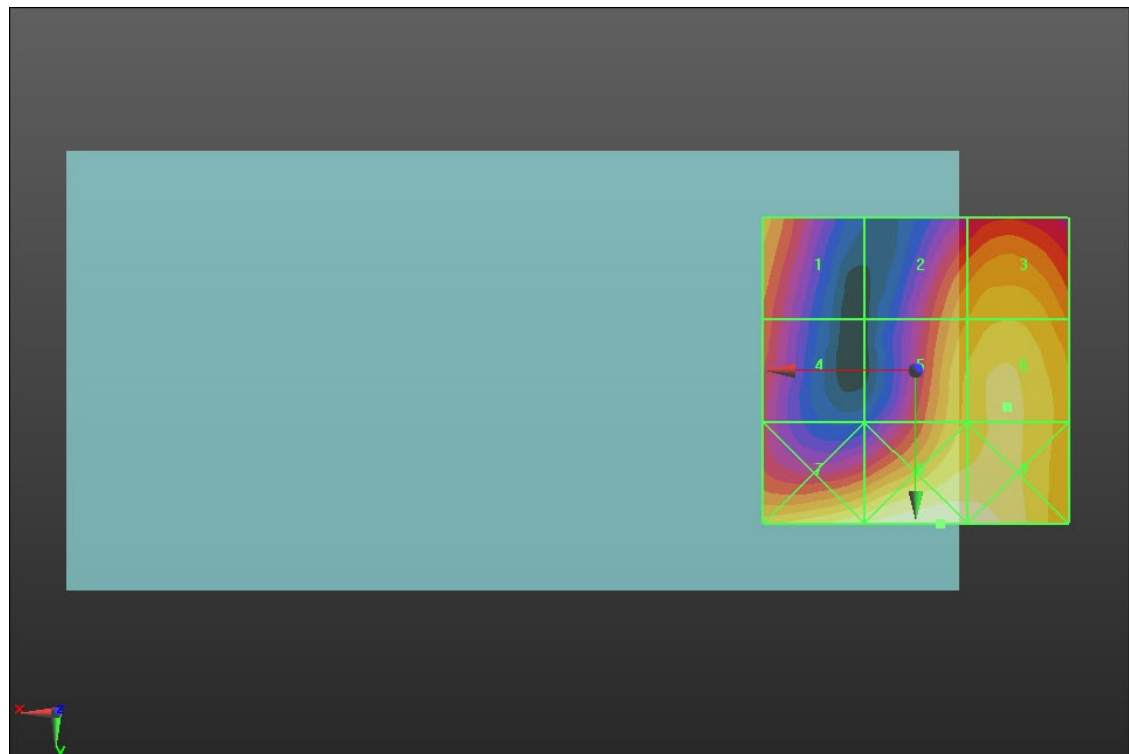
Applied MIF = -1.44 dB

RF audio interference level = 21.22 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 19.63 dBV/m	Grid 2 M4 19.91 dBV/m	Grid 3 M4 20.46 dBV/m
Grid 4 M4 18.63 dBV/m	Grid 5 M4 20.66 dBV/m	Grid 6 M4 21.22 dBV/m
Grid 7 M4 21.59 dBV/m	Grid 8 M4 22.22 dBV/m	Grid 9 M4 22.05 dBV/m



0 dB = 12.91 V/m = 22.22 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 = 10.98 V/m; Power Drift = 0.04 dB

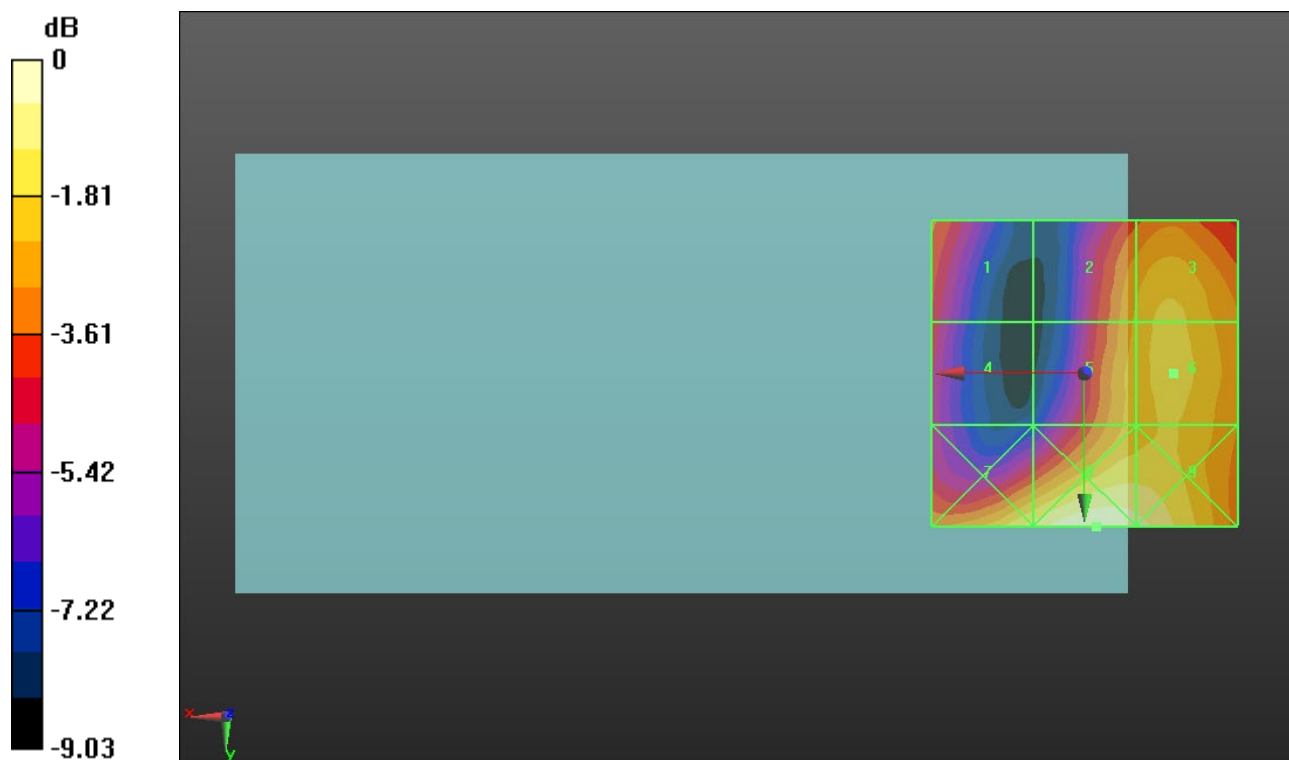
Applied MIF = -1.44 dB

RF audio interference level = 21.13 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 19.17 dBV/m	Grid 2 M4 20.37 dBV/m	Grid 3 M4 20.96 dBV/m
Grid 4 M4 18.36 dBV/m	Grid 5 M4 20.54 dBV/m	Grid 6 M4 21.13 dBV/m
Grid 7 M4 21.7 dBV/m	Grid 8 M4 22.63 dBV/m	Grid 9 M4 22.27 dBV/m



0 dB = 13.53 V/m = 22.63 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 = 108.5 V/m; Power Drift = 0.00 dB

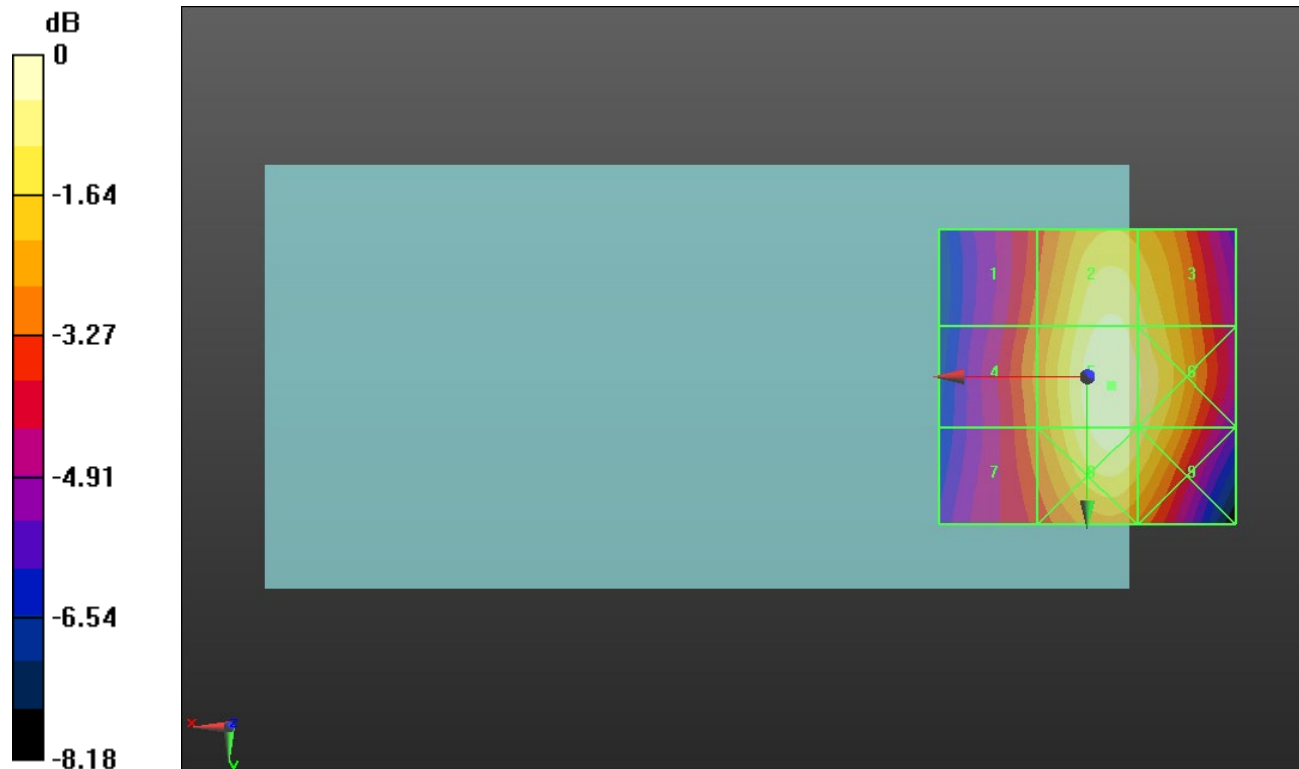
Applied MIF = 3.63 dB

RF audio interference level = 40.49 dBV/m

Emission category: M3

MIF scaled E-field

Grid 1 M4 37.6 dBV/m	Grid 2 M3 40.08 dBV/m	Grid 3 M4 39.64 dBV/m
Grid 4 M4 37.98 dBV/m	Grid 5 M3 40.49 dBV/m	Grid 6 M3 40.04 dBV/m
Grid 7 M4 37.72 dBV/m	Grid 8 M3 40.28 dBV/m	Grid 9 M4 39.76 dBV/m



0 dB = 105.8 V/m = 40.49 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 = 107.4 V/m; Power Drift = -0.01 dB

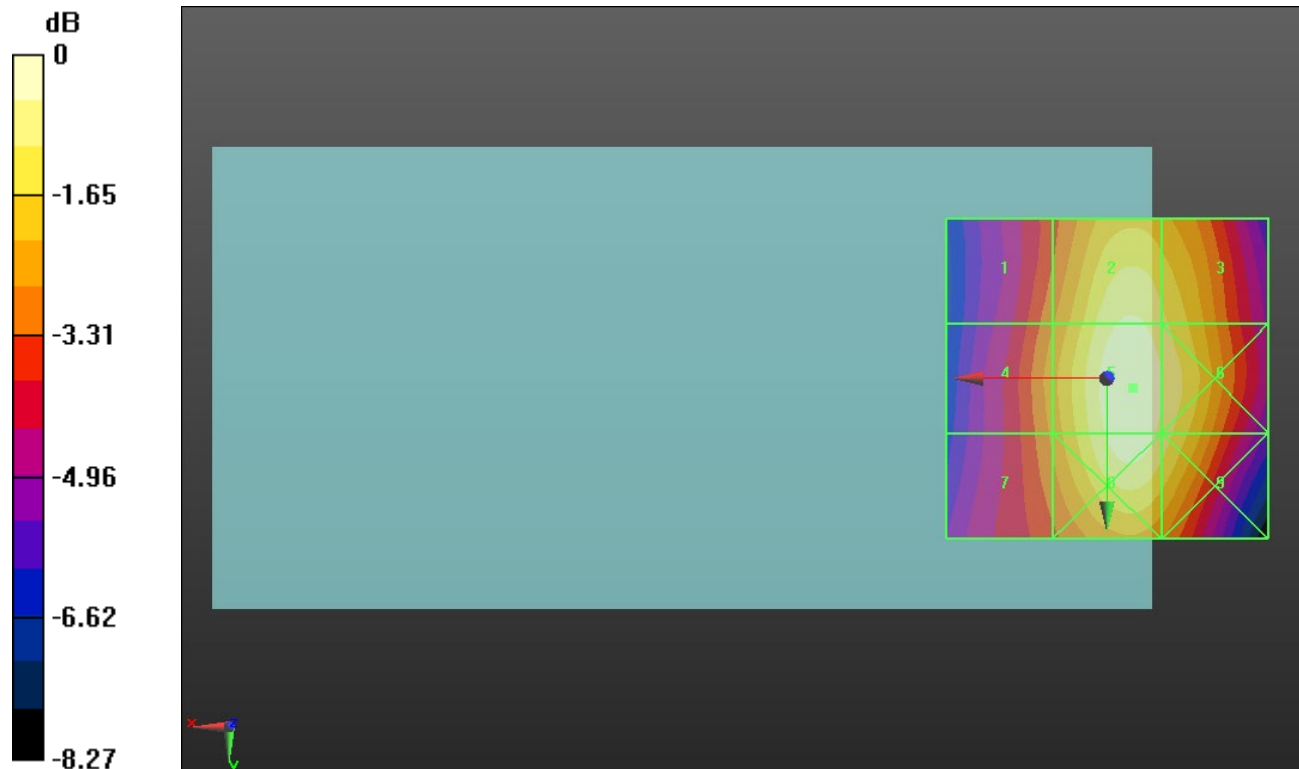
Applied MIF = 3.63 dB

RF audio interference level = 40.33 dBV/m

Emission category: M3

MIF scaled E-field

Grid 1 M4 37.52 dBV/m	Grid 2 M4 39.87 dBV/m	Grid 3 M4 39.41 dBV/m
Grid 4 M4 37.94 dBV/m	Grid 5 M3 40.33 dBV/m	Grid 6 M4 39.83 dBV/m
Grid 7 M4 37.72 dBV/m	Grid 8 M3 40.18 dBV/m	Grid 9 M4 39.6 dBV/m



0 dB = 103.9 V/m = 40.33 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 = 103.1 V/m; Power Drift = -0.14 dB

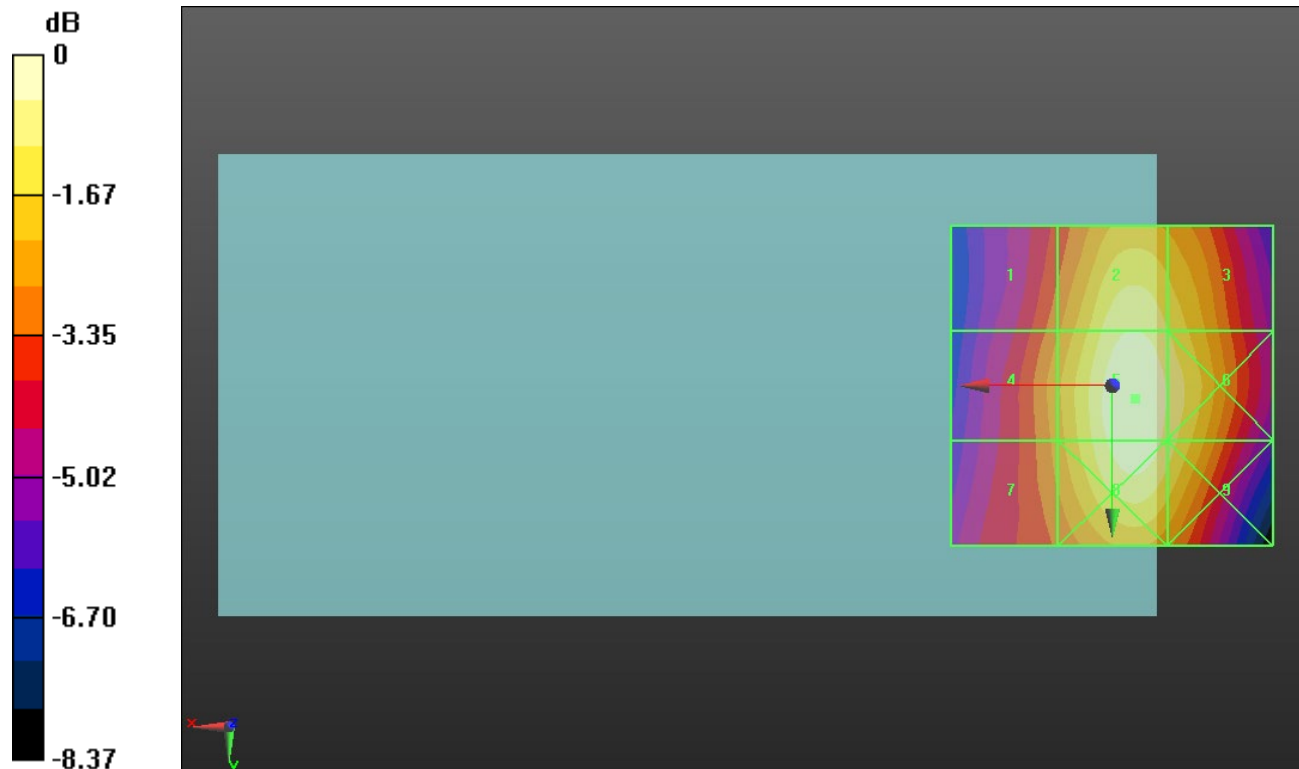
Applied MIF = 3.63 dB

RF audio interference level = 39.84 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 36.98 dBV/m	Grid 2 M4 39.31 dBV/m	Grid 3 M4 38.77 dBV/m
Grid 4 M4 37.51 dBV/m	Grid 5 M4 39.84 dBV/m	Grid 6 M4 39.27 dBV/m
Grid 7 M4 37.34 dBV/m	Grid 8 M4 39.71 dBV/m	Grid 9 M4 39.08 dBV/m



0 dB = 98.18 V/m = 39.84 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 = 14.74 V/m; Power Drift = -0.05 dB

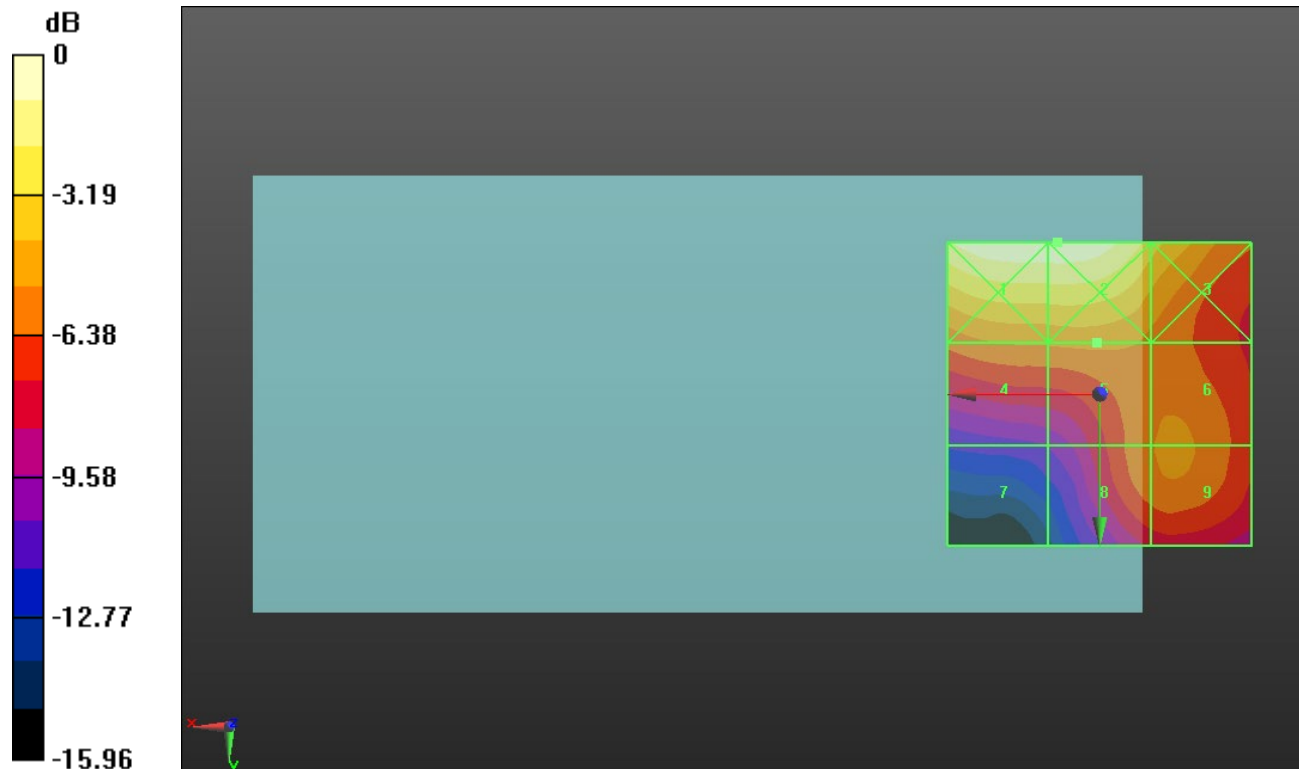
Applied MIF = 3.63 dB

RF audio interference level = 27.06 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M3 32 dBV/m	Grid 2 M3 32.02 dBV/m	Grid 3 M4 29.4 dBV/m
Grid 4 M4 26.87 dBV/m	Grid 5 M4 27.06 dBV/m	Grid 6 M4 26.94 dBV/m
Grid 7 M4 21.56 dBV/m	Grid 8 M4 26.66 dBV/m	Grid 9 M4 26.94 dBV/m



0 dB = 39.92 V/m = 32.02 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 = 14.74 V/m; Power Drift = -0.08 dB

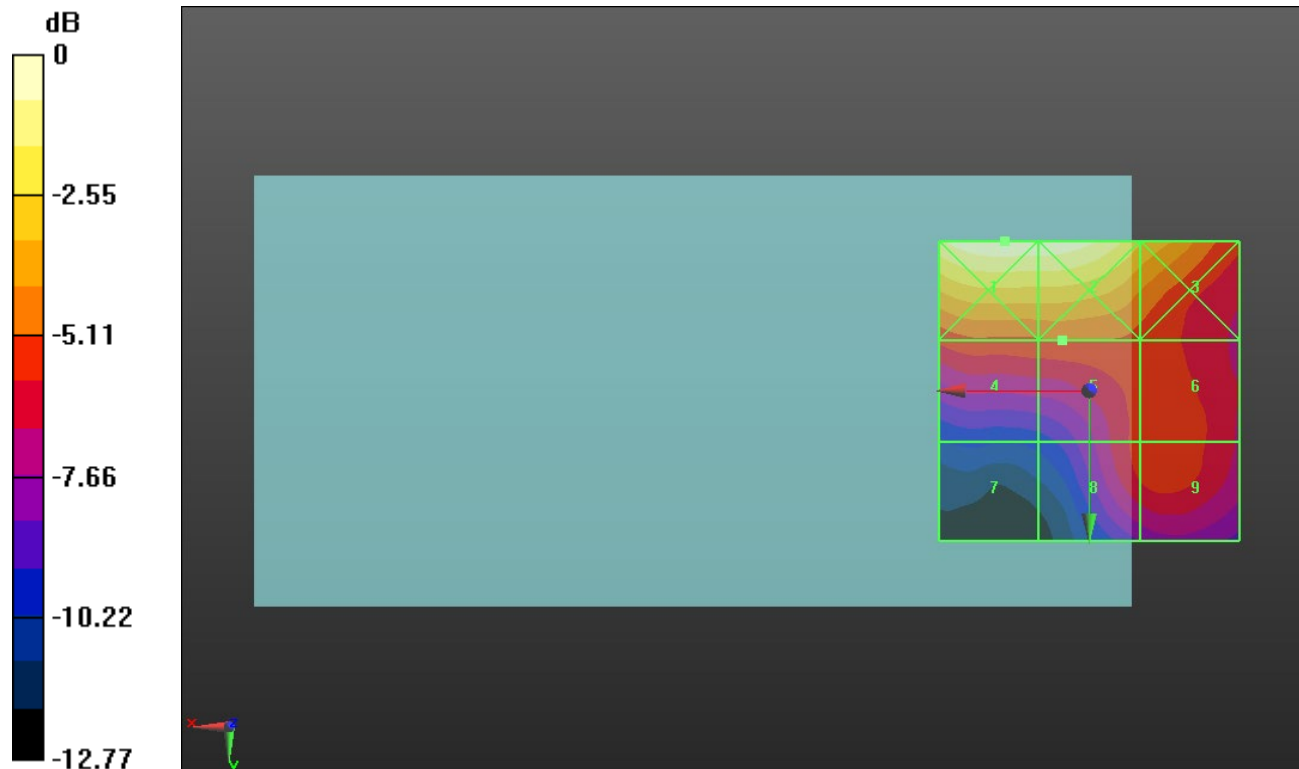
Applied MIF = 3.63 dB

RF audio interference level = 26.83 dBV/m

Emission category: **M4**

MIF scaled E-field

Grid 1 M3 31.9 dBV/m	Grid 2 M3 31.8 dBV/m	Grid 3 M4 29.51 dBV/m
Grid 4 M4 26.73 dBV/m	Grid 5 M4 26.83 dBV/m	Grid 6 M4 26.77 dBV/m
Grid 7 M4 22.11 dBV/m	Grid 8 M4 26.41 dBV/m	Grid 9 M4 26.77 dBV/m



0 dB = 39.34 V/m = 31.90 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 = 15.09 V/m; Power Drift = -0.06 dB

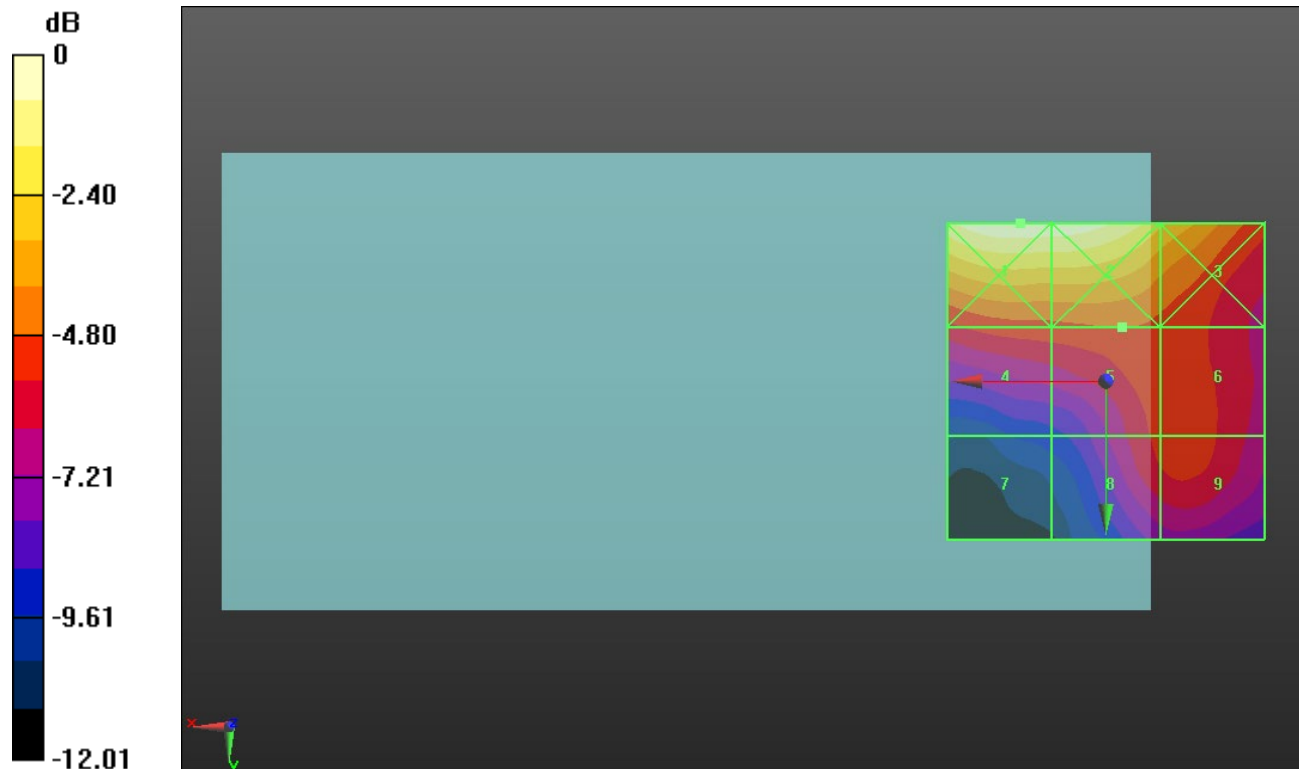
Applied MIF = 3.63 dB

RF audio interference level = 26.78 dBV/m

Emission category: **M4**

MIF scaled E-field

Grid 1 M3 31.56 dBV/m	Grid 2 M3 31.47 dBV/m	Grid 3 M4 29.41 dBV/m
Grid 4 M4 26.52 dBV/m	Grid 5 M4 26.78 dBV/m	Grid 6 M4 26.58 dBV/m
Grid 7 M4 22.51 dBV/m	Grid 8 M4 26.27 dBV/m	Grid 9 M4 26.51 dBV/m



0 dB = 37.86 V/m = 31.56 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 = 49.60 V/m; Power Drift = -0.05 dB

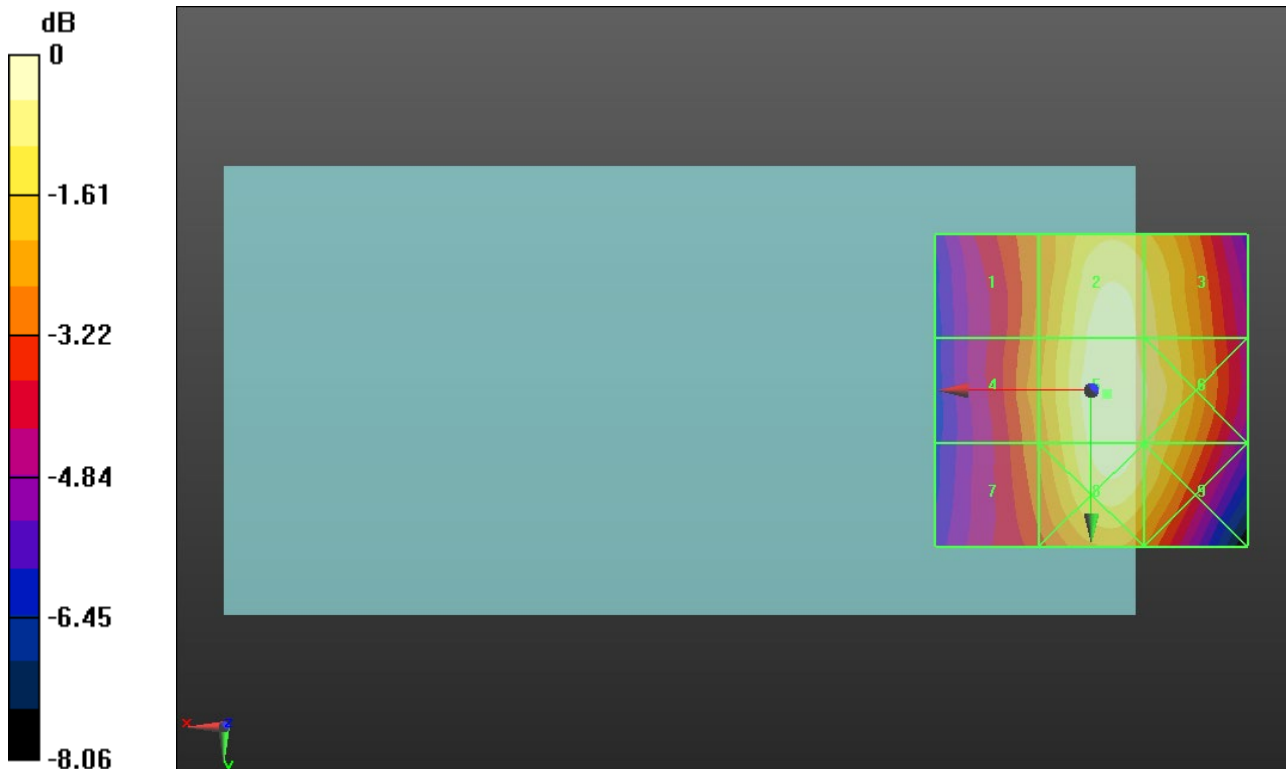
Applied MIF = 3.26 dB

RF audio interference level = 33.04 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 30.58 dBV/m	Grid 2 M4 32.82 dBV/m	Grid 3 M4 32.31 dBV/m
Grid 4 M4 30.81 dBV/m	Grid 5 M4 33.04 dBV/m	Grid 6 M4 32.57 dBV/m
Grid 7 M4 30.46 dBV/m	Grid 8 M4 32.87 dBV/m	Grid 9 M4 32.26 dBV/m



0 dB = 44.88 V/m = 33.04 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 = 46.88 V/m; Power Drift = 0.05 dB

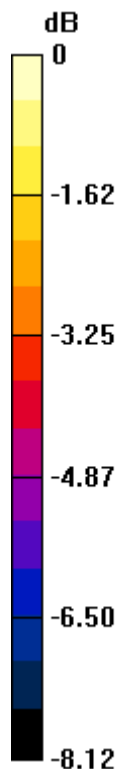
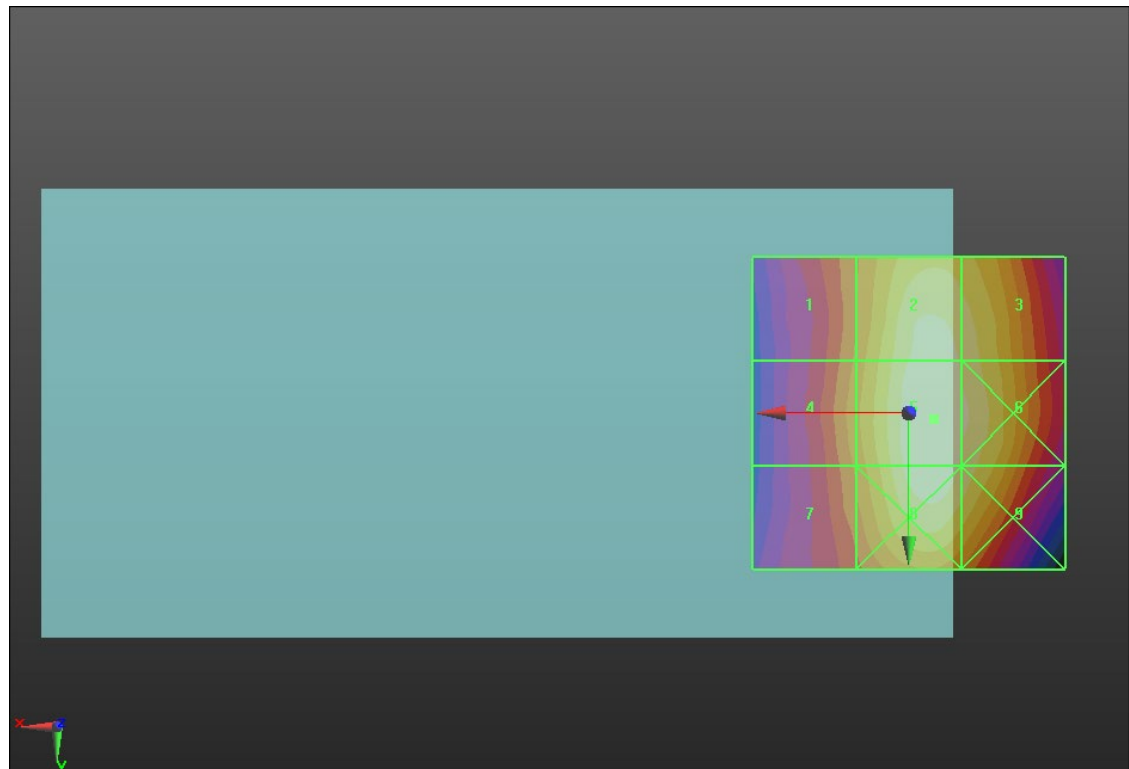
Applied MIF = 3.26 dB

RF audio interference level = 32.55 dBV/m

Emission category: **M4**

MIF scaled E-field

Grid 1 M4 29.98 dBV/m	Grid 2 M4 32.33 dBV/m	Grid 3 M4 31.92 dBV/m
Grid 4 M4 30.25 dBV/m	Grid 5 M4 32.55 dBV/m	Grid 6 M4 32.16 dBV/m
Grid 7 M4 29.97 dBV/m	Grid 8 M4 32.45 dBV/m	Grid 9 M4 31.91 dBV/m



0 dB = 42.41 V/m = 32.55 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 = 43.75 V/m; Power Drift = -0.09 dB

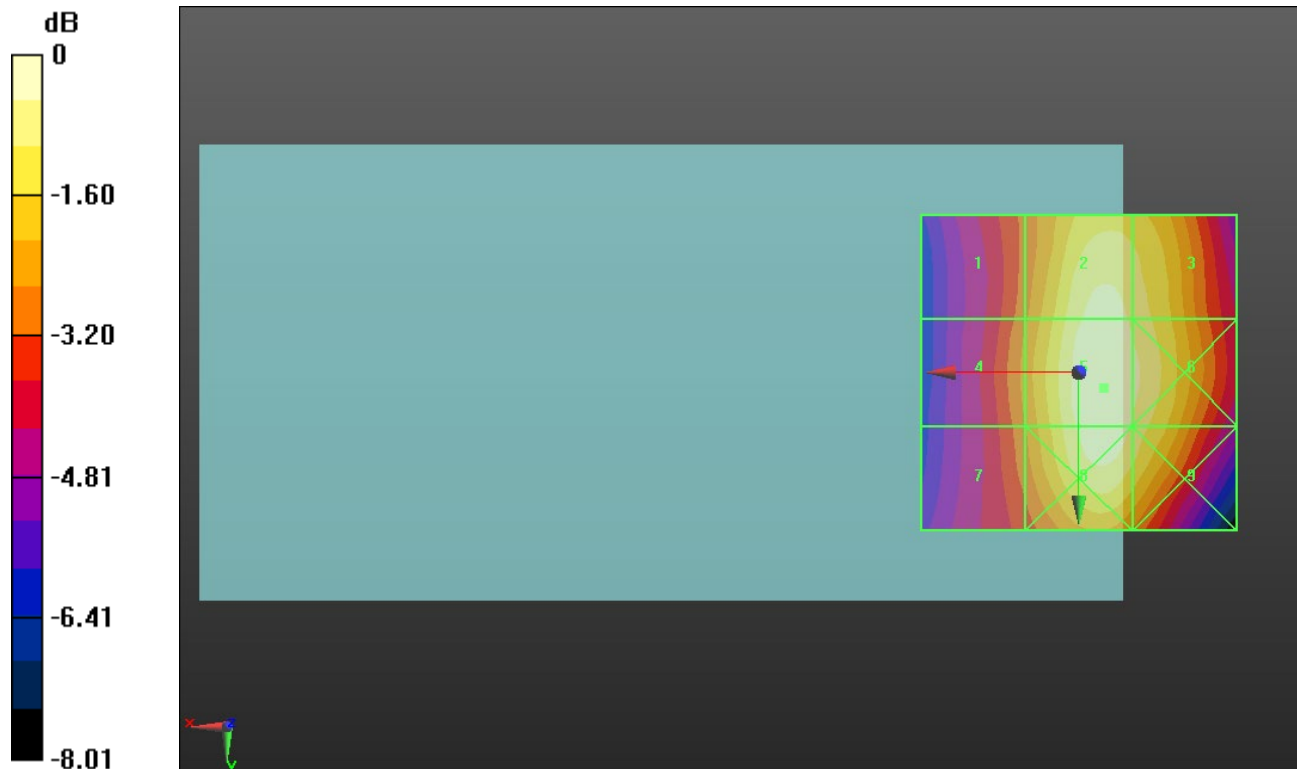
Applied MIF = 3.26 dB

RF audio interference level = 31.90 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 29.14 dBV/m	Grid 2 M4 31.62 dBV/m	Grid 3 M4 31.26 dBV/m
Grid 4 M4 29.46 dBV/m	Grid 5 M4 31.9 dBV/m	Grid 6 M4 31.53 dBV/m
Grid 7 M4 29.22 dBV/m	Grid 8 M4 31.8 dBV/m	Grid 9 M4 31.28 dBV/m



0 dB = 39.36 V/m = 31.90 dBV/m

HAC-RF Emission ANT2

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

Phantom section: RF Section

DASY5 Configuration:

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

CDMA2000 BC1 E-Field measurement/RC1_SO3_Ch.25/Hearing Aid Compatibility Test (101x101x1): Interpolated grid: dx=0.5000 mm, dy=0.5000 mm

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 9.844 V/m; Power Drift = -0.02 dB

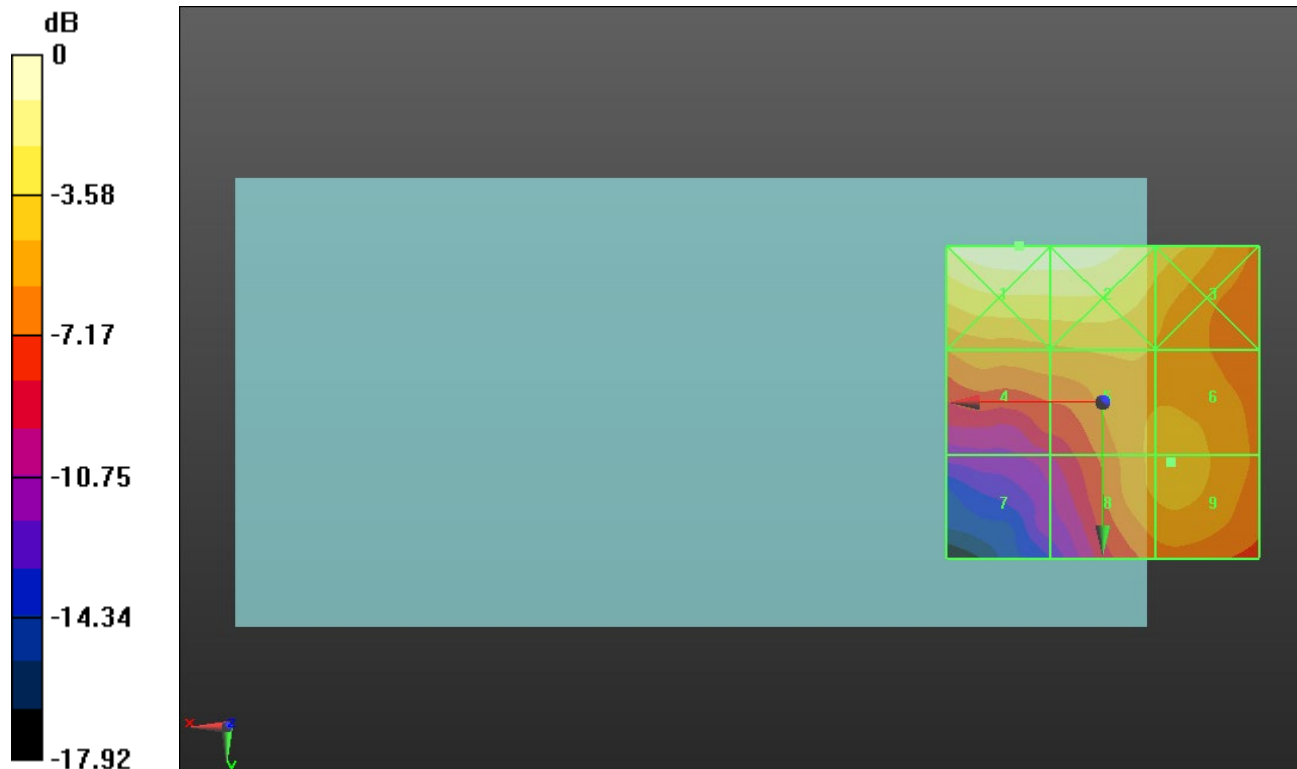
Applied MIF = 3.26 dB

RF audio interference level = 23.09 dBV/m

Emission category: **M4**

MIF scaled E-field

Grid 1 M4 27.15 dBV/m	Grid 2 M4 27.09 dBV/m	Grid 3 M4 24.67 dBV/m
Grid 4 M4 22.18 dBV/m	Grid 5 M4 22.81 dBV/m	Grid 6 M4 23.05 dBV/m
Grid 7 M4 17.5 dBV/m	Grid 8 M4 22.84 dBV/m	Grid 9 M4 23.09 dBV/m



0 dB = 22.79 V/m = 27.15 dBV/m

HAC-RF Emission ANT2

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

Phantom section: RF Section

DASY5 Configuration:

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

CDMA2000 BC1 E-Field measurement/RC1_SO3_Ch.600/Hearing Aid Compatibility Test (101x101x1):

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

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 9.759 V/m; Power Drift = -0.10 dB

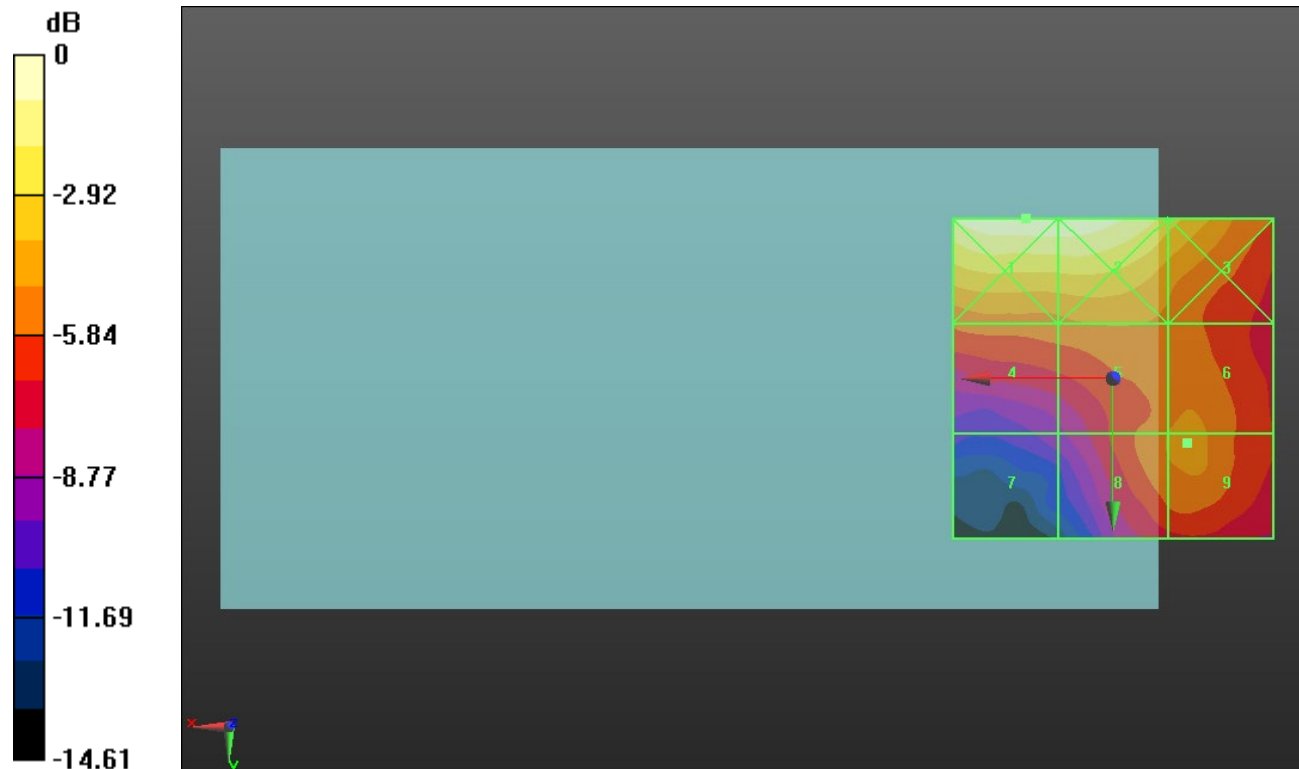
Applied MIF = 3.26 dB

RF audio interference level = 22.24 dBV/m

Emission category: **M4**

MIF scaled E-field

Grid 1 M4 26.82 dBV/m	Grid 2 M4 26.75 dBV/m	Grid 3 M4 24.45 dBV/m
Grid 4 M4 21.64 dBV/m	Grid 5 M4 22.02 dBV/m	Grid 6 M4 22.2 dBV/m
Grid 7 M4 17.85 dBV/m	Grid 8 M4 22.03 dBV/m	Grid 9 M4 22.24 dBV/m



0 dB = 21.92 V/m = 26.82 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 = 9.644 V/m; Power Drift = 0.02 dB

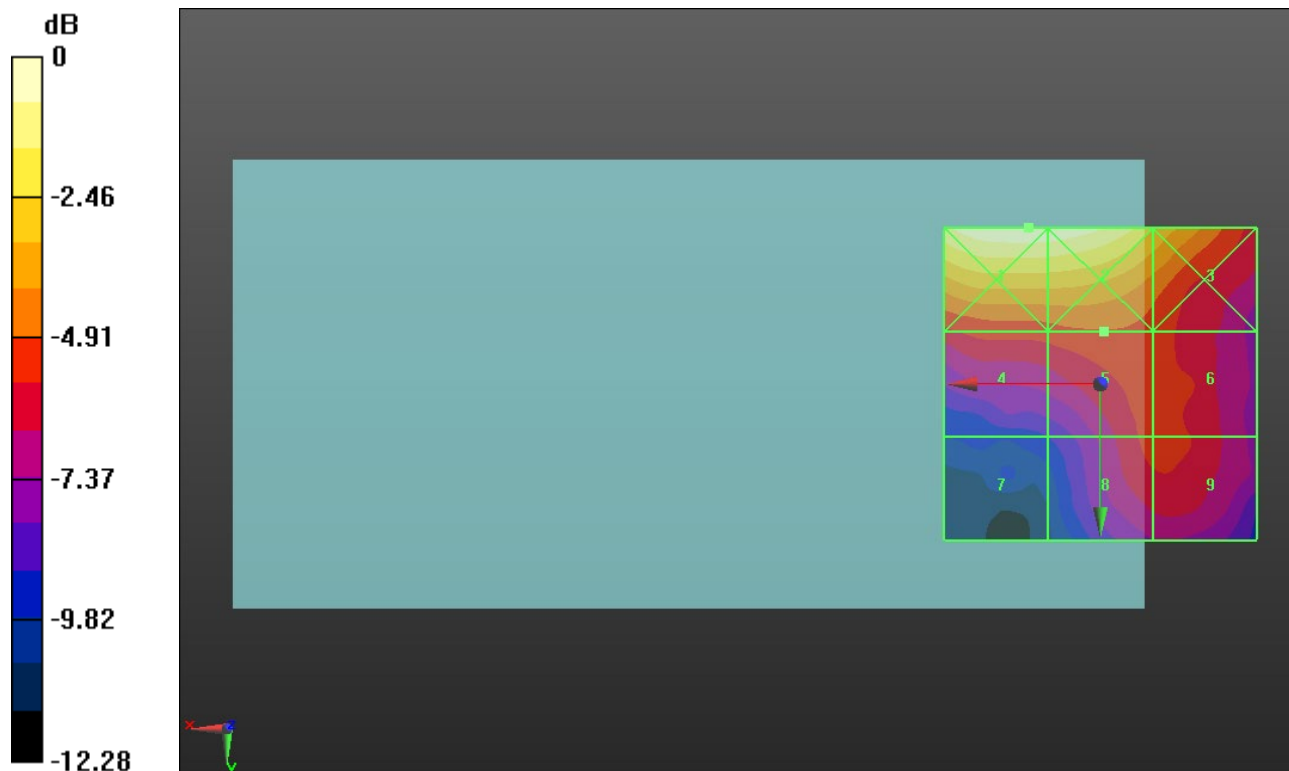
Applied MIF = 3.26 dB

RF audio interference level = 22.03 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 26.96 dBV/m	Grid 2 M4 26.89 dBV/m	Grid 3 M4 24.52 dBV/m
Grid 4 M4 21.71 dBV/m	Grid 5 M4 22.03 dBV/m	Grid 6 M4 21.74 dBV/m
Grid 7 M4 17.97 dBV/m	Grid 8 M4 21.55 dBV/m	Grid 9 M4 21.61 dBV/m



0 dB = 22.29 V/m = 26.96 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 = 49.06 V/m; Power Drift = 0.07 dB

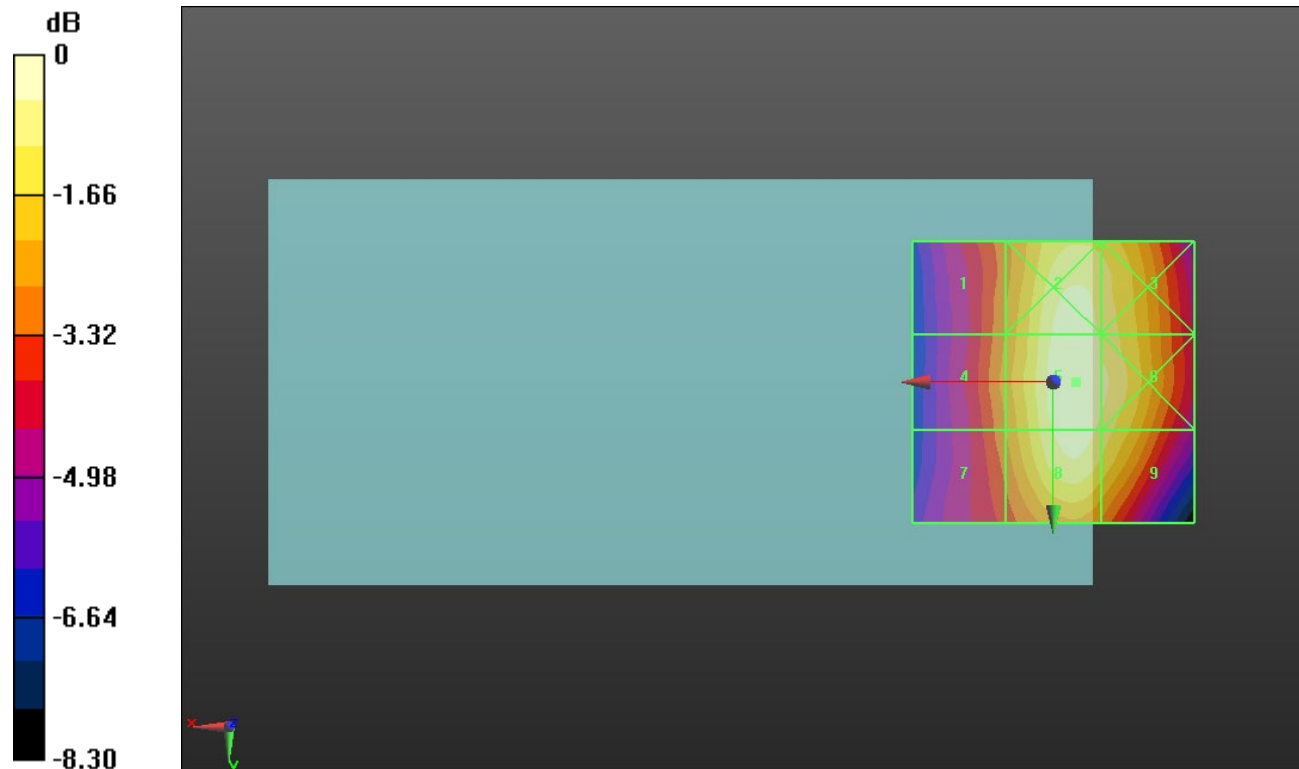
Applied MIF = 3.26 dB

RF audio interference level = 33.06 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 30.35 dBV/m	Grid 2 M4 32.86 dBV/m	Grid 3 M4 32.42 dBV/m
Grid 4 M4 30.58 dBV/m	Grid 5 M4 33.06 dBV/m	Grid 6 M4 32.69 dBV/m
Grid 7 M4 30.27 dBV/m	Grid 8 M4 32.82 dBV/m	Grid 9 M4 32.34 dBV/m



0 dB = 45.00 V/m = 33.06 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 = 48.92 V/m; Power Drift = 0.12 dB

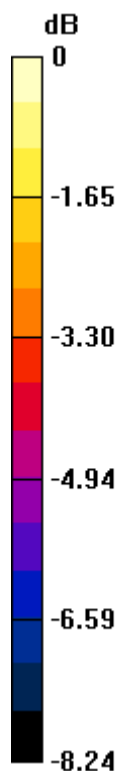
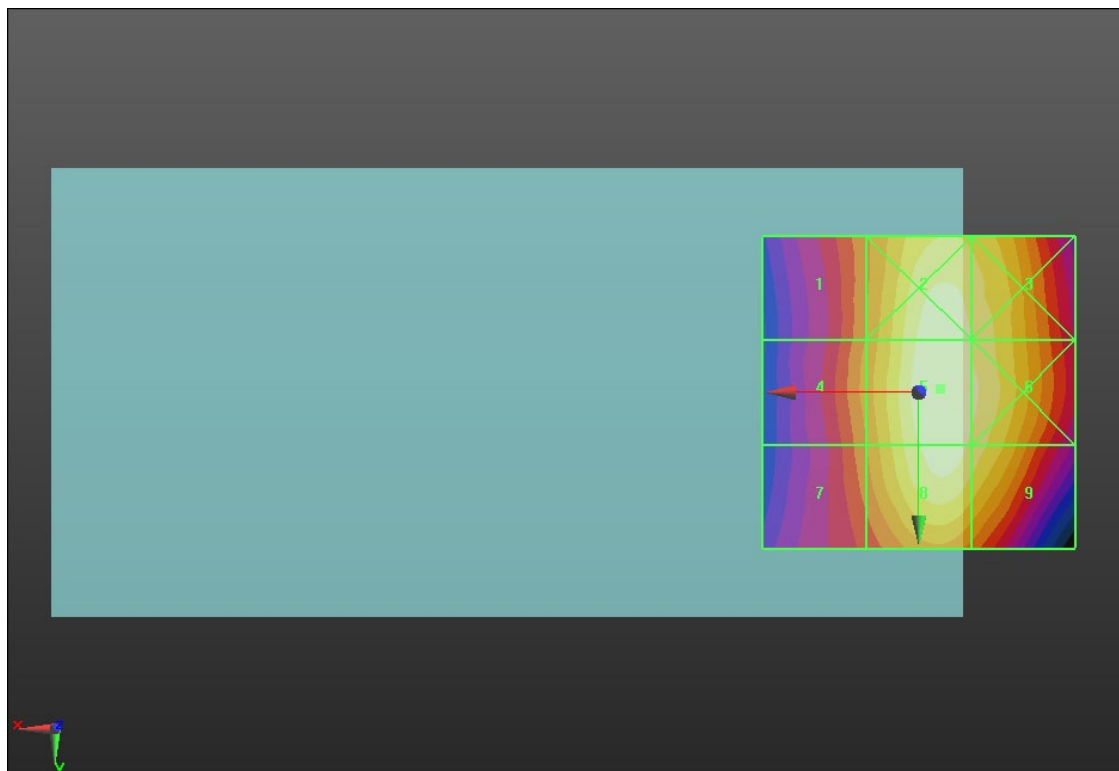
Applied MIF = 3.26 dB

RF audio interference level = 33.01 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 30.3 dBV/m	Grid 2 M4 32.82 dBV/m	Grid 3 M4 32.46 dBV/m
Grid 4 M4 30.53 dBV/m	Grid 5 M4 33.01 dBV/m	Grid 6 M4 32.61 dBV/m
Grid 7 M4 30.24 dBV/m	Grid 8 M4 32.8 dBV/m	Grid 9 M4 32.32 dBV/m



0 dB = 44.70 V/m = 33.01 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 = 49.05 V/m; Power Drift = 0.02 dB

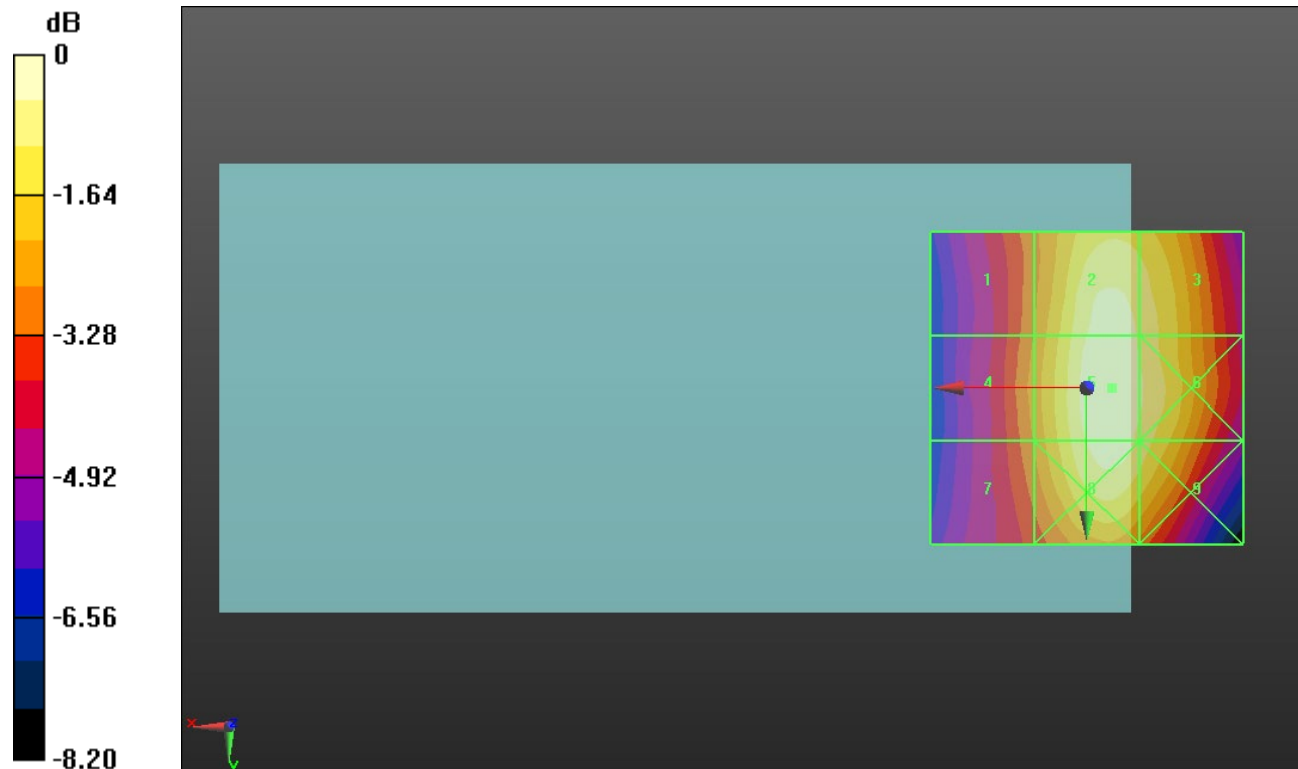
Applied MIF = 3.26 dB

RF audio interference level = 33.02 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 30.32 dBV/m	Grid 2 M4 32.79 dBV/m	Grid 3 M4 32.4 dBV/m
Grid 4 M4 30.56 dBV/m	Grid 5 M4 33.02 dBV/m	Grid 6 M4 32.56 dBV/m
Grid 7 M4 30.33 dBV/m	Grid 8 M4 32.81 dBV/m	Grid 9 M4 32.3 dBV/m



0 dB = 44.78 V/m = 33.02 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 = 6.711 V/m; Power Drift = 0.00 dB

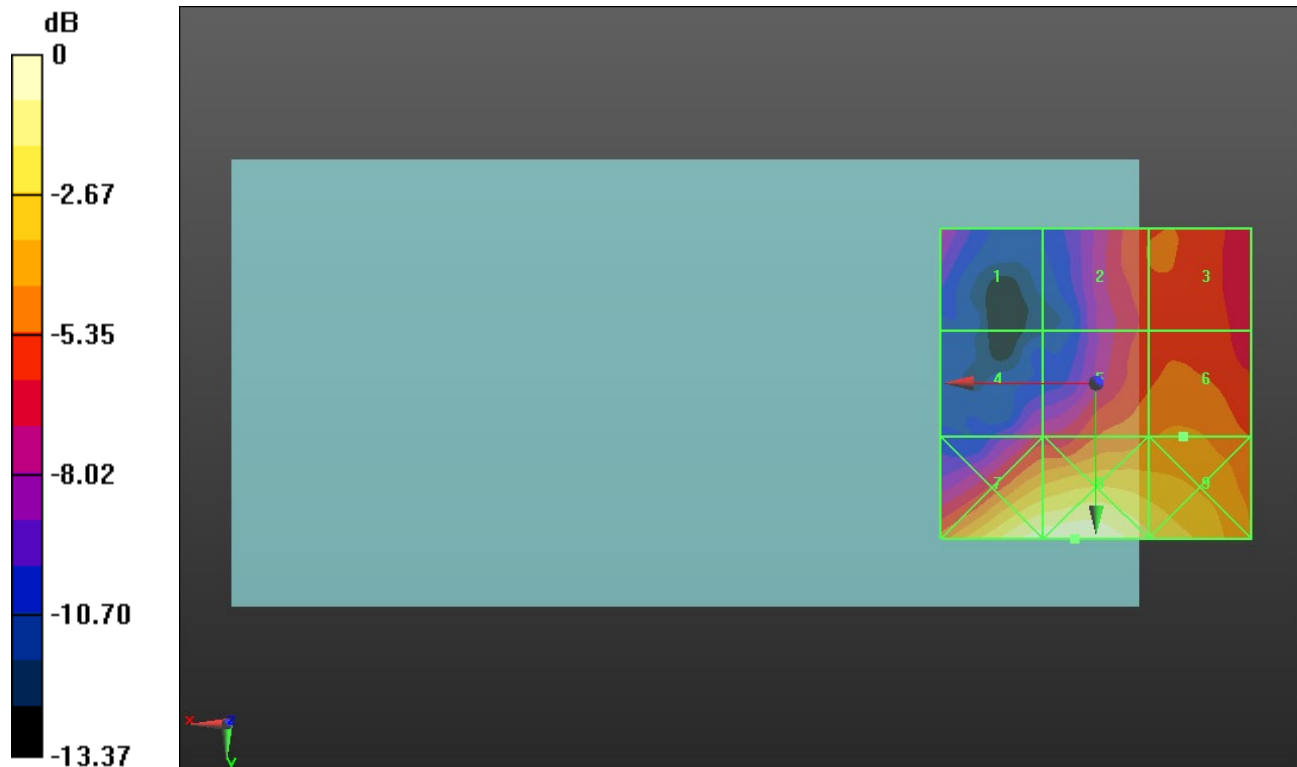
Applied MIF = -1.44 dB

RF audio interference level = 16.77 dBV/m

Emission category: **M4**

MIF scaled E-field

Grid 1 M4 13.66 dBV/m	Grid 2 M4 15.73 dBV/m	Grid 3 M4 15.89 dBV/m
Grid 4 M4 14.07 dBV/m	Grid 5 M4 16.47 dBV/m	Grid 6 M4 16.77 dBV/m
Grid 7 M4 20.76 dBV/m	Grid 8 M4 21.01 dBV/m	Grid 9 M4 19.44 dBV/m



0 dB = 11.23 V/m = 21.01 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 = 9.185 V/m; Power Drift = -0.12 dB

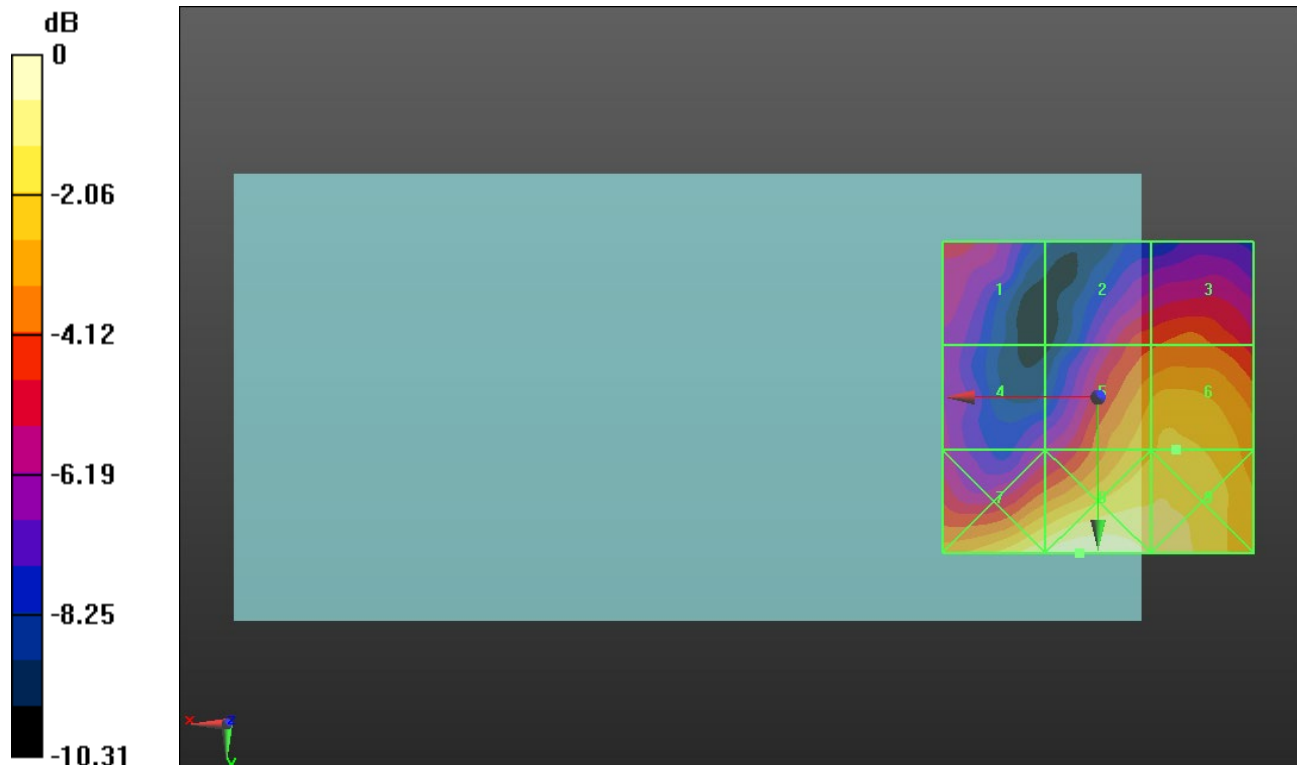
Applied MIF = -1.44 dB

RF audio interference level = 18.96 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 15.87 dBV/m	Grid 2 M4 16.61 dBV/m	Grid 3 M4 17.07 dBV/m
Grid 4 M4 15.07 dBV/m	Grid 5 M4 18.72 dBV/m	Grid 6 M4 18.96 dBV/m
Grid 7 M4 20.21 dBV/m	Grid 8 M4 20.85 dBV/m	Grid 9 M4 20.08 dBV/m



0 dB = 11.03 V/m = 20.85 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 = 9.839 V/m; Power Drift = 0.02 dB

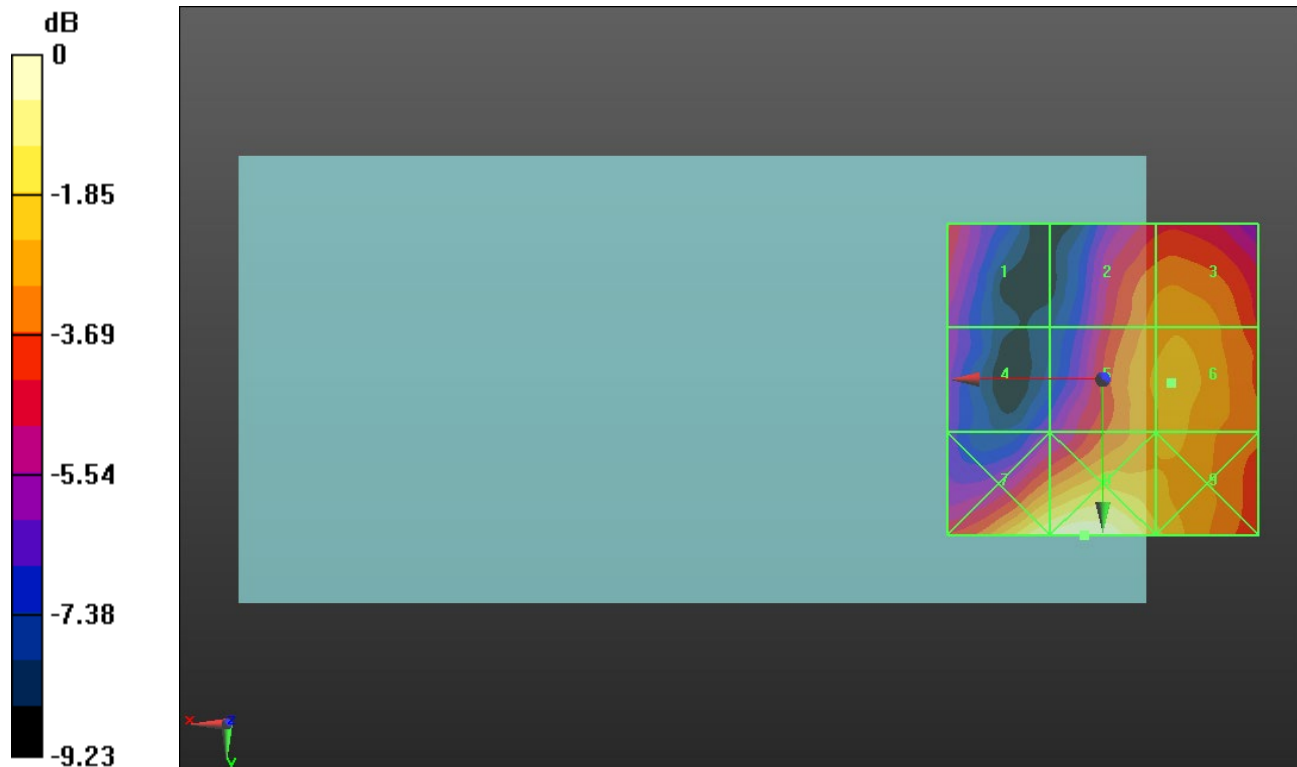
Applied MIF = -1.44 dB

RF audio interference level = 18.90 dBV/m

Emission category: **M4**

MIF scaled E-field

Grid 1 M4 16.98 dBV/m	Grid 2 M4 18.37 dBV/m	Grid 3 M4 18.6 dBV/m
Grid 4 M4 15.49 dBV/m	Grid 5 M4 18.75 dBV/m	Grid 6 M4 18.9 dBV/m
Grid 7 M4 20.66 dBV/m	Grid 8 M4 21.11 dBV/m	Grid 9 M4 19.49 dBV/m



0 dB = 11.36 V/m = 21.11 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 = 8.145 V/m; Power Drift = -0.04 dB

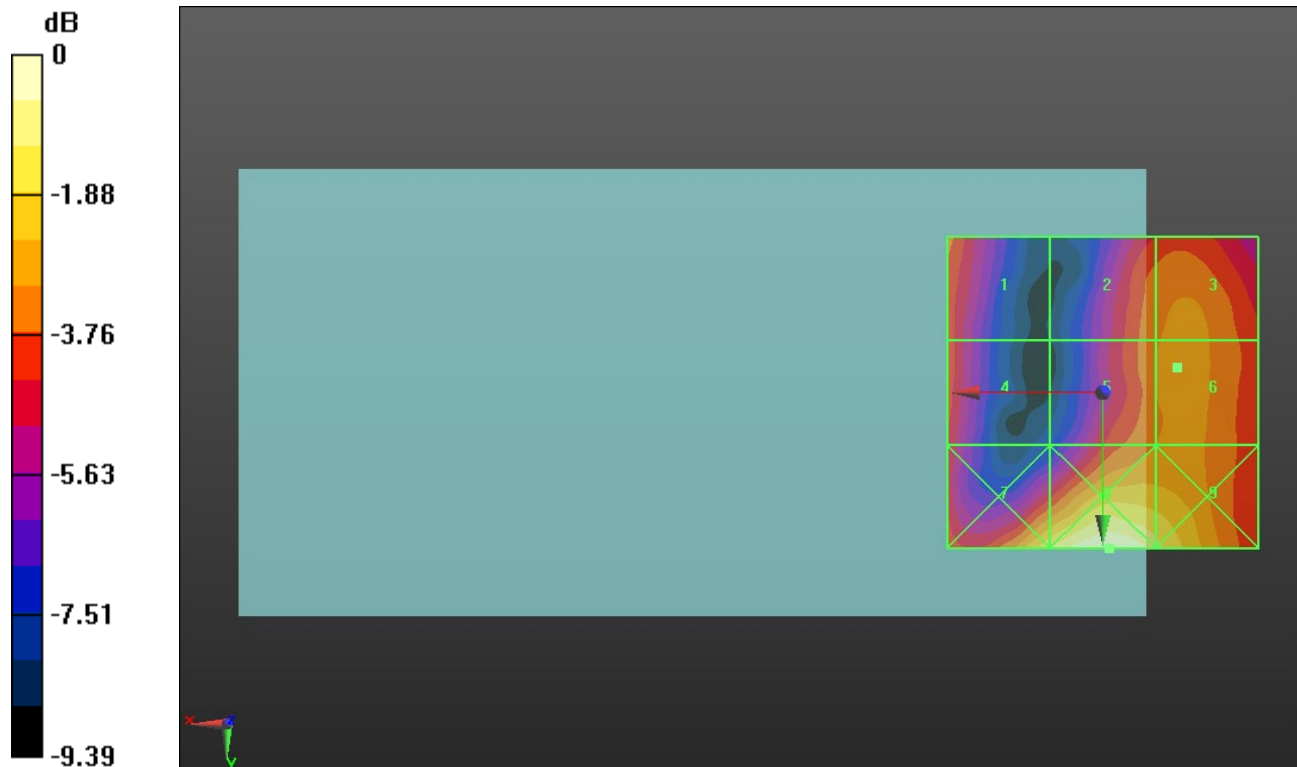
Applied MIF = -1.44 dB

RF audio interference level = 18.43 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 17.74 dBV/m	Grid 2 M4 17.95 dBV/m	Grid 3 M4 18.31 dBV/m
Grid 4 M4 17.34 dBV/m	Grid 5 M4 18.08 dBV/m	Grid 6 M4 18.43 dBV/m
Grid 7 M4 19.9 dBV/m	Grid 8 M4 21.16 dBV/m	Grid 9 M4 20.18 dBV/m



0 dB = 11.43 V/m = 21.16 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 = 8.882 V/m; Power Drift = -0.27 dB

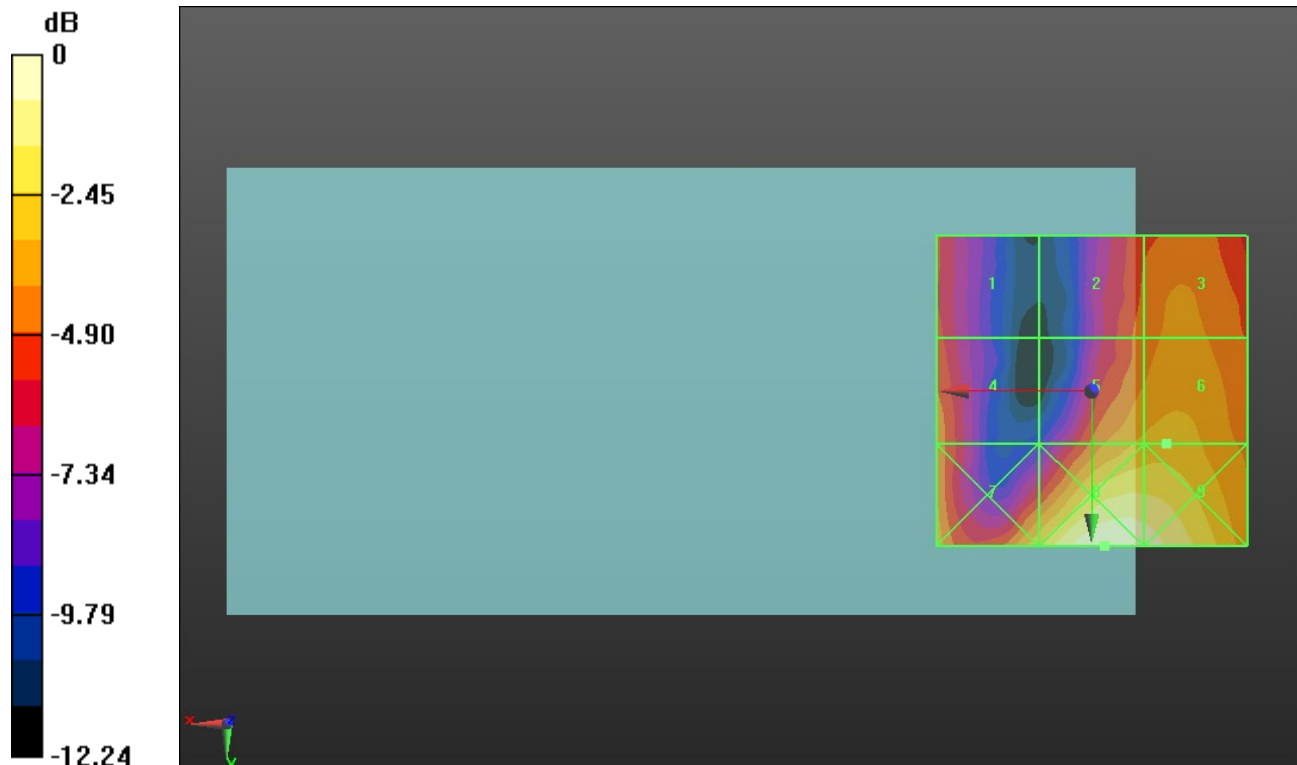
Applied MIF = -1.44 dB

RF audio interference level = 19.59 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 17.15 dBV/m	Grid 2 M4 17.91 dBV/m	Grid 3 M4 18.58 dBV/m
Grid 4 M4 18.12 dBV/m	Grid 5 M4 19.4 dBV/m	Grid 6 M4 19.59 dBV/m
Grid 7 M4 19.95 dBV/m	Grid 8 M4 22.39 dBV/m	Grid 9 M4 22.02 dBV/m



0 dB = 13.17 V/m = 22.39 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 = 18.98 V/m; Power Drift = -0.01 dB

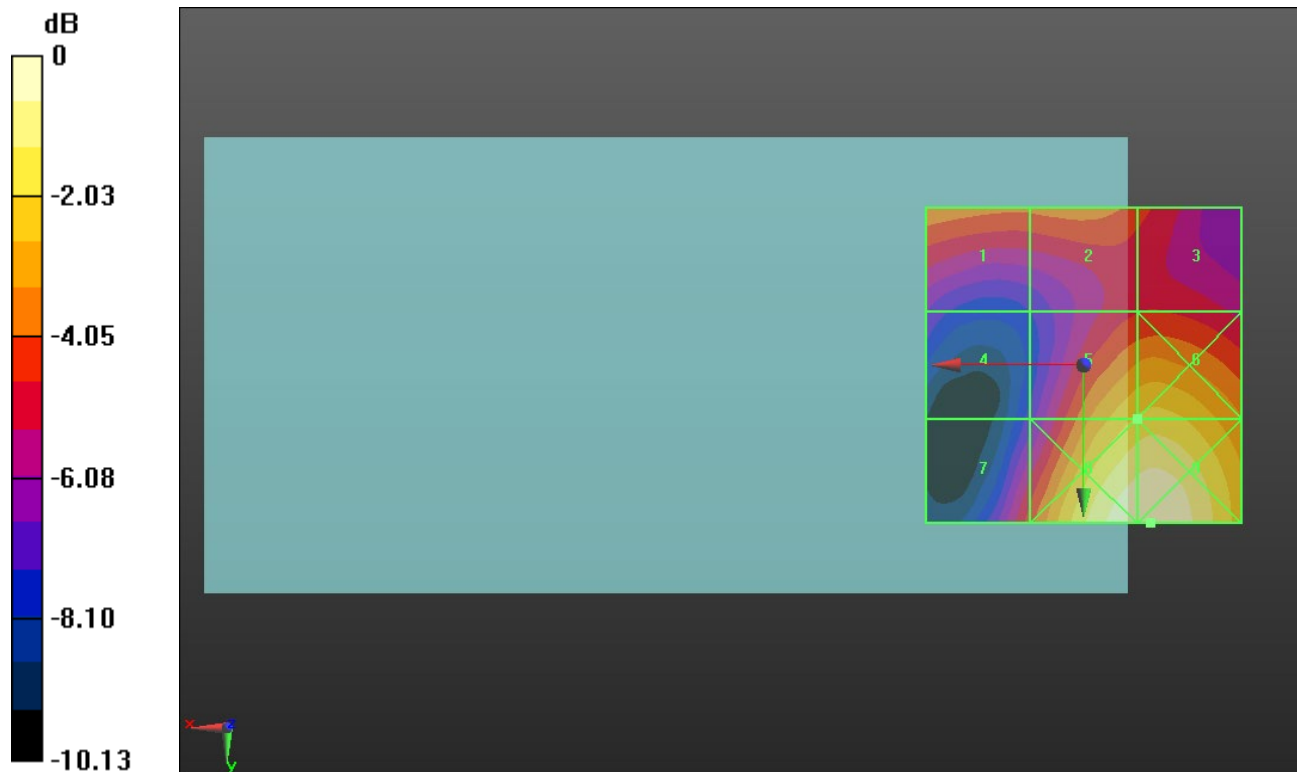
Applied MIF = 3.63 dB

RF audio interference level = 30.42 dBV/m

Emission category: M3

MIF scaled E-field

Grid 1 M4 28.93 dBV/m	Grid 2 M4 28.69 dBV/m	Grid 3 M4 27.94 dBV/m
Grid 4 M4 25.65 dBV/m	Grid 5 M3 30.42 dBV/m	Grid 6 M3 30.59 dBV/m
Grid 7 M4 28.01 dBV/m	Grid 8 M3 32.27 dBV/m	Grid 9 M3 32.32 dBV/m



0 dB = 41.29 V/m = 32.32 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 = 15.34 V/m; Power Drift = -0.07 dB

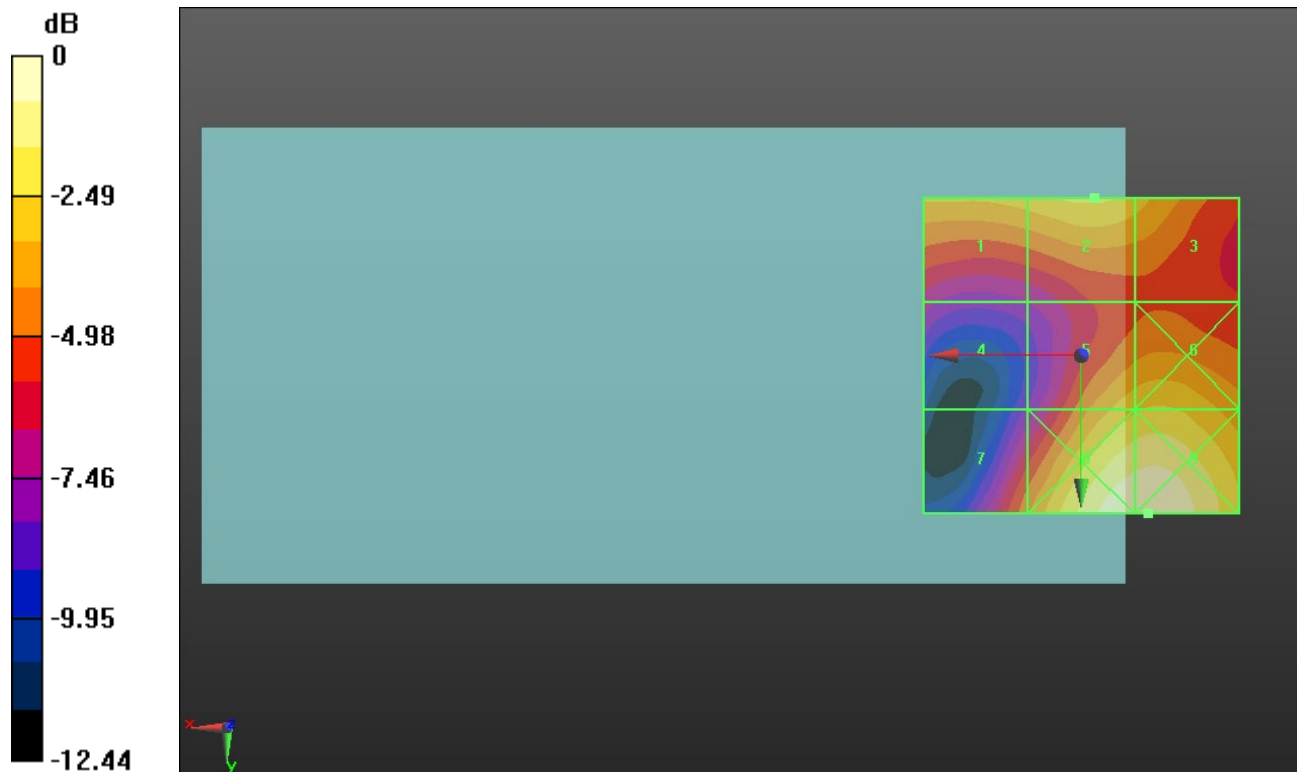
Applied MIF = 3.63 dB

RF audio interference level = 29.26 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 28.76 dBV/m	Grid 2 M4 29.26 dBV/m	Grid 3 M4 28.67 dBV/m
Grid 4 M4 24.64 dBV/m	Grid 5 M4 28.96 dBV/m	Grid 6 M4 29.2 dBV/m
Grid 7 M4 27.3 dBV/m	Grid 8 M3 31.52 dBV/m	Grid 9 M3 31.56 dBV/m



0 dB = 37.84 V/m = 31.56 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 = 15.82 V/m; Power Drift = -0.05 dB

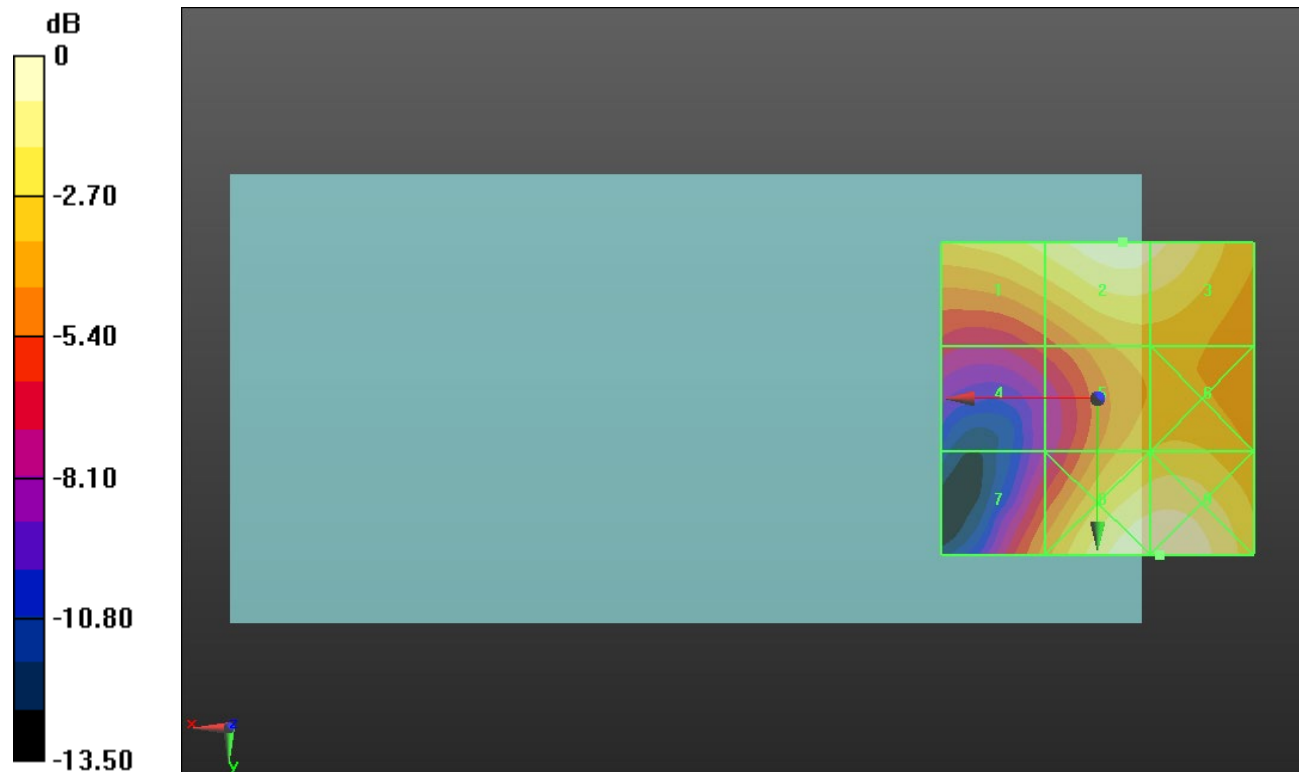
Applied MIF = 3.63 dB

RF audio interference level = 30.74 dBV/m

Emission category: M3

MIF scaled E-field

Grid 1 M4 29.55 dBV/m	Grid 2 M3 30.74 dBV/m	Grid 3 M3 30.39 dBV/m
Grid 4 M4 25.12 dBV/m	Grid 5 M4 28.33 dBV/m	Grid 6 M4 28.55 dBV/m
Grid 7 M4 26.93 dBV/m	Grid 8 M3 30.93 dBV/m	Grid 9 M3 30.96 dBV/m



0 dB = 35.31 V/m = 30.96 dBV/m

HAC-RF Emission ANT3

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

Phantom section: RF Section

DASY5 Configuration:

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

LTE Band 41 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 = 13.98 V/m; Power Drift = -0.14 dB

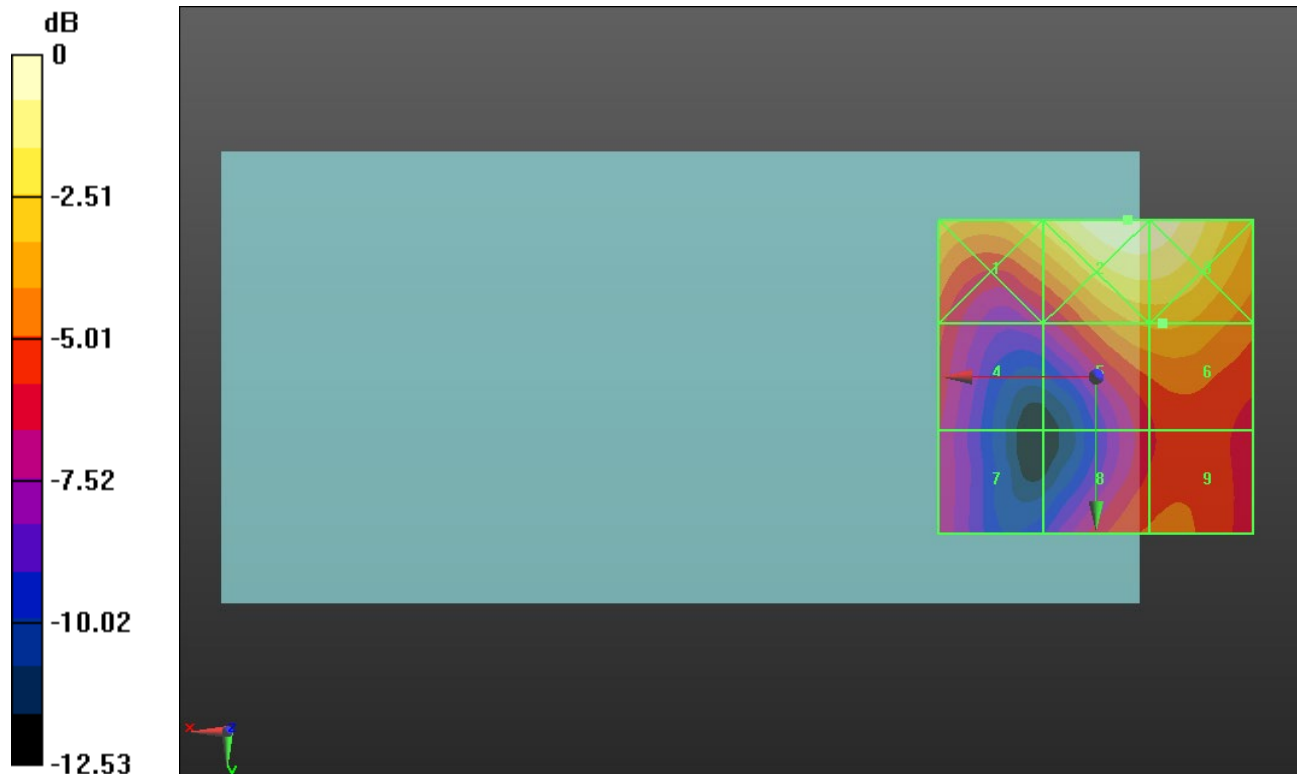
Applied MIF = -1.44 dB

RF audio interference level = 23.78 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 24.91 dBV/m	Grid 2 M4 26.91 dBV/m	Grid 3 M4 26.72 dBV/m
Grid 4 M4 21.47 dBV/m	Grid 5 M4 23.74 dBV/m	Grid 6 M4 23.78 dBV/m
Grid 7 M4 20.26 dBV/m	Grid 8 M4 22.03 dBV/m	Grid 9 M4 22.12 dBV/m



0 dB = 22.15 V/m = 26.91 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 = 14.04 V/m; Power Drift = -0.05 dB

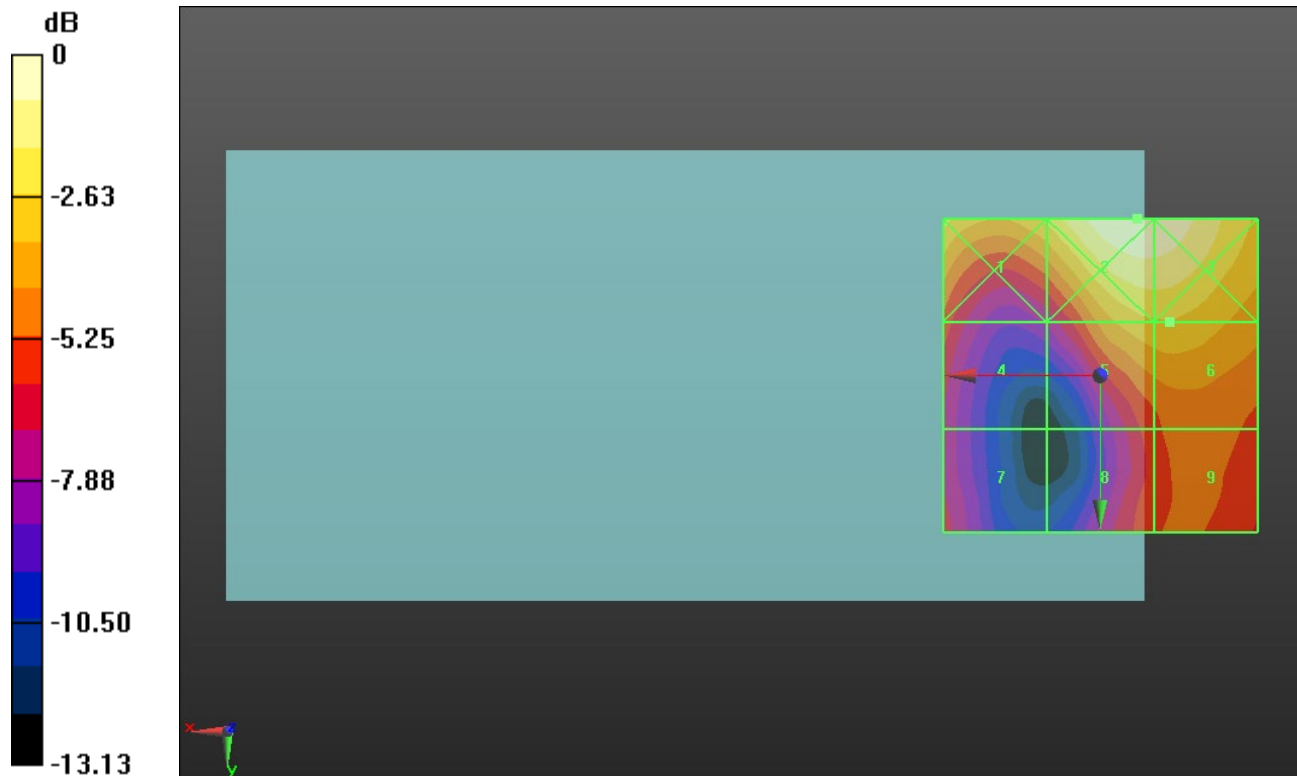
Applied MIF = -1.44 dB

RF audio interference level = 23.50 dBV/m

Emission category: **M4**

MIF scaled E-field

Grid 1 M4 24 dBV/m	Grid 2 M4 26.19 dBV/m	Grid 3 M4 26.08 dBV/m
Grid 4 M4 20.79 dBV/m	Grid 5 M4 23.45 dBV/m	Grid 6 M4 23.5 dBV/m
Grid 7 M4 19.78 dBV/m	Grid 8 M4 20.78 dBV/m	Grid 9 M4 21.38 dBV/m



0 dB = 20.39 V/m = 26.19 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 = 12.86 V/m; Power Drift = -0.15 dB

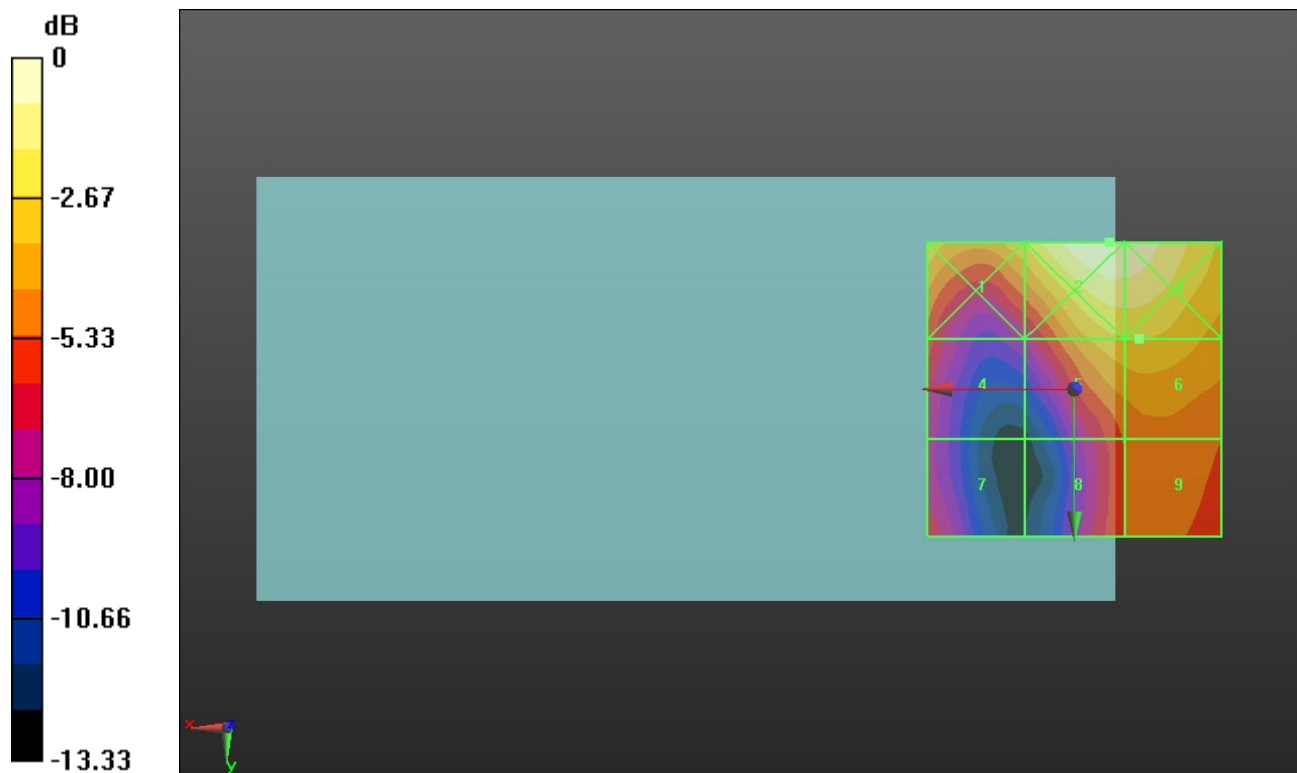
Applied MIF = -1.44 dB

RF audio interference level = 22.65 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 22.75 dBV/m	Grid 2 M4 25.3 dBV/m	Grid 3 M4 25.19 dBV/m
Grid 4 M4 19.65 dBV/m	Grid 5 M4 22.58 dBV/m	Grid 6 M4 22.65 dBV/m
Grid 7 M4 18.84 dBV/m	Grid 8 M4 20.1 dBV/m	Grid 9 M4 20.68 dBV/m



0 dB = 18.42 V/m = 25.31 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 = 12.02 V/m; Power Drift = -0.14 dB

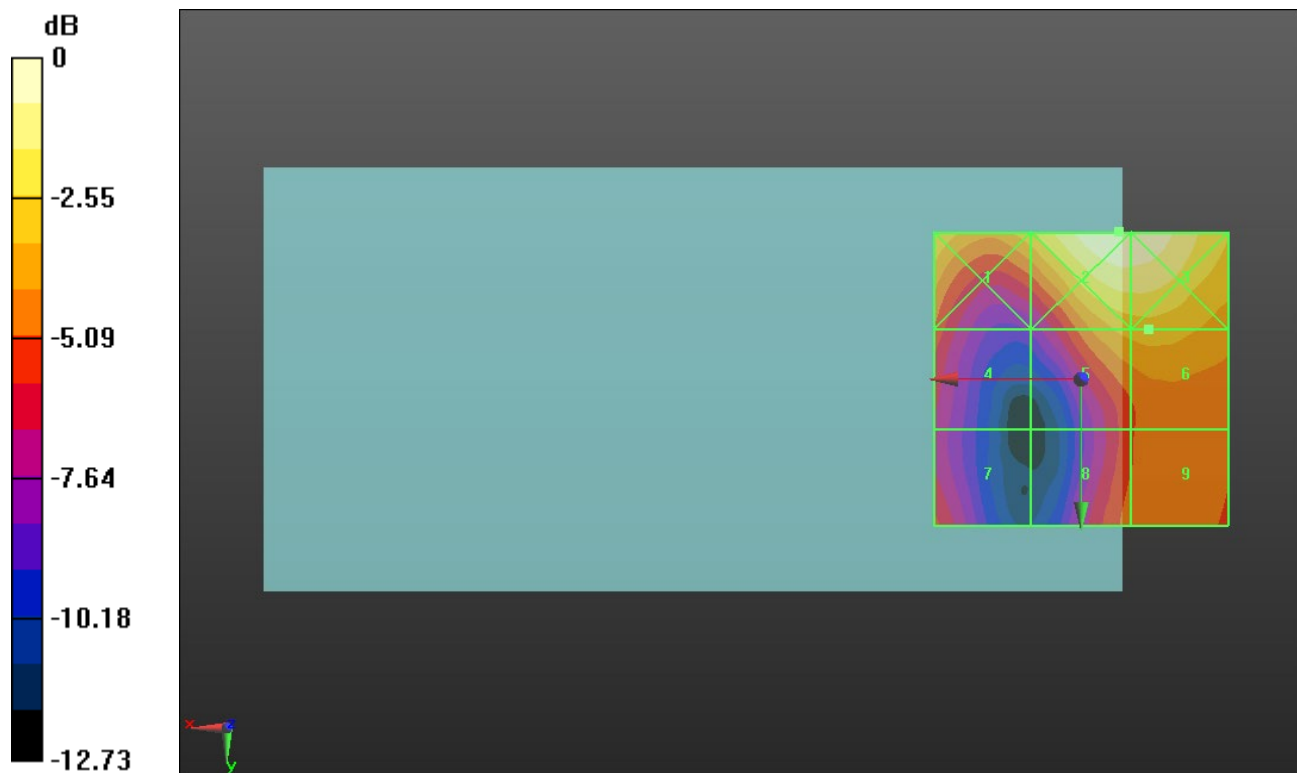
Applied MIF = -1.44 dB

RF audio interference level = 22.52 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 23.16 dBV/m	Grid 2 M4 25.44 dBV/m	Grid 3 M4 25.36 dBV/m
Grid 4 M4 20.29 dBV/m	Grid 5 M4 22.39 dBV/m	Grid 6 M4 22.52 dBV/m
Grid 7 M4 19.85 dBV/m	Grid 8 M4 20.71 dBV/m	Grid 9 M4 21.2 dBV/m



0 dB = 18.70 V/m = 25.44 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 = 8.562 V/m; Power Drift = -0.04 dB

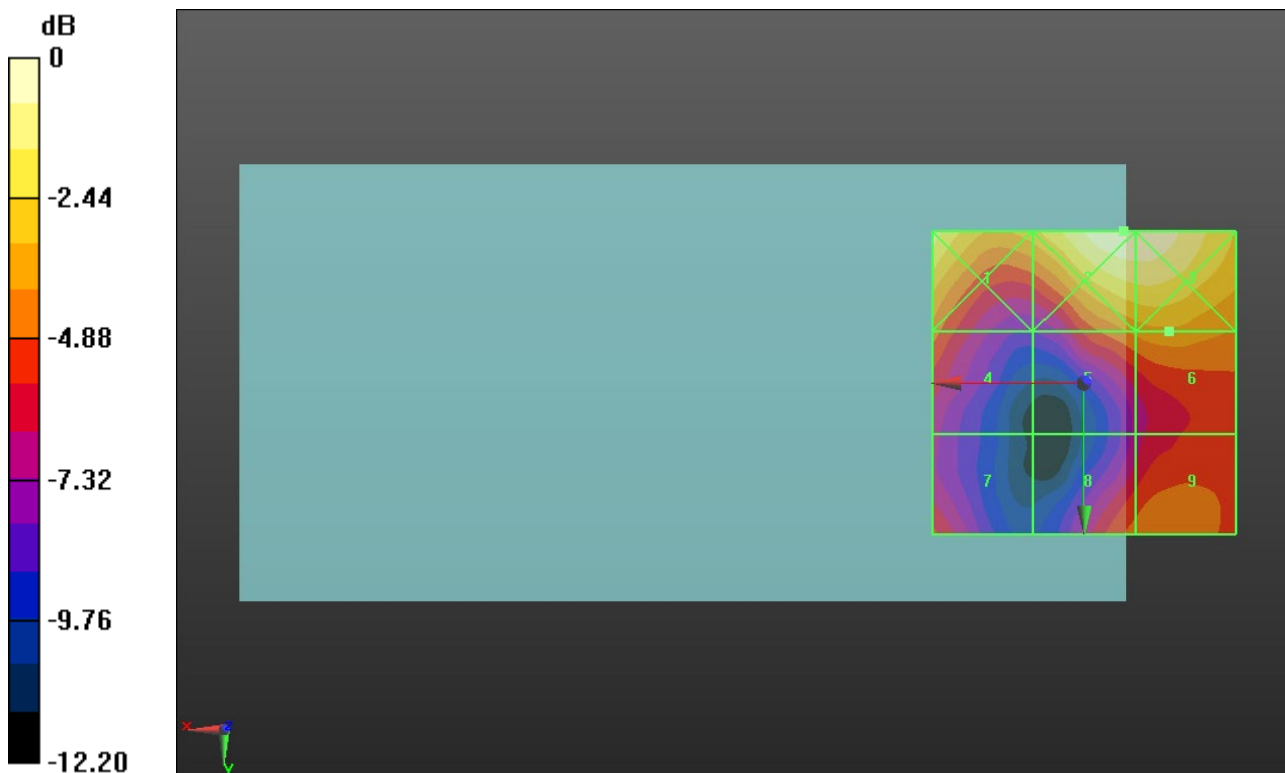
Applied MIF = -1.44 dB

RF audio interference level = 21.72 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 24.06 dBV/m	Grid 2 M4 25.14 dBV/m	Grid 3 M4 25.08 dBV/m
Grid 4 M4 20.74 dBV/m	Grid 5 M4 21.35 dBV/m	Grid 6 M4 21.72 dBV/m
Grid 7 M4 19.81 dBV/m	Grid 8 M4 20.54 dBV/m	Grid 9 M4 20.9 dBV/m



0 dB = 18.07 V/m = 25.14 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 = 20.18 V/m; Power Drift = 0.01 dB

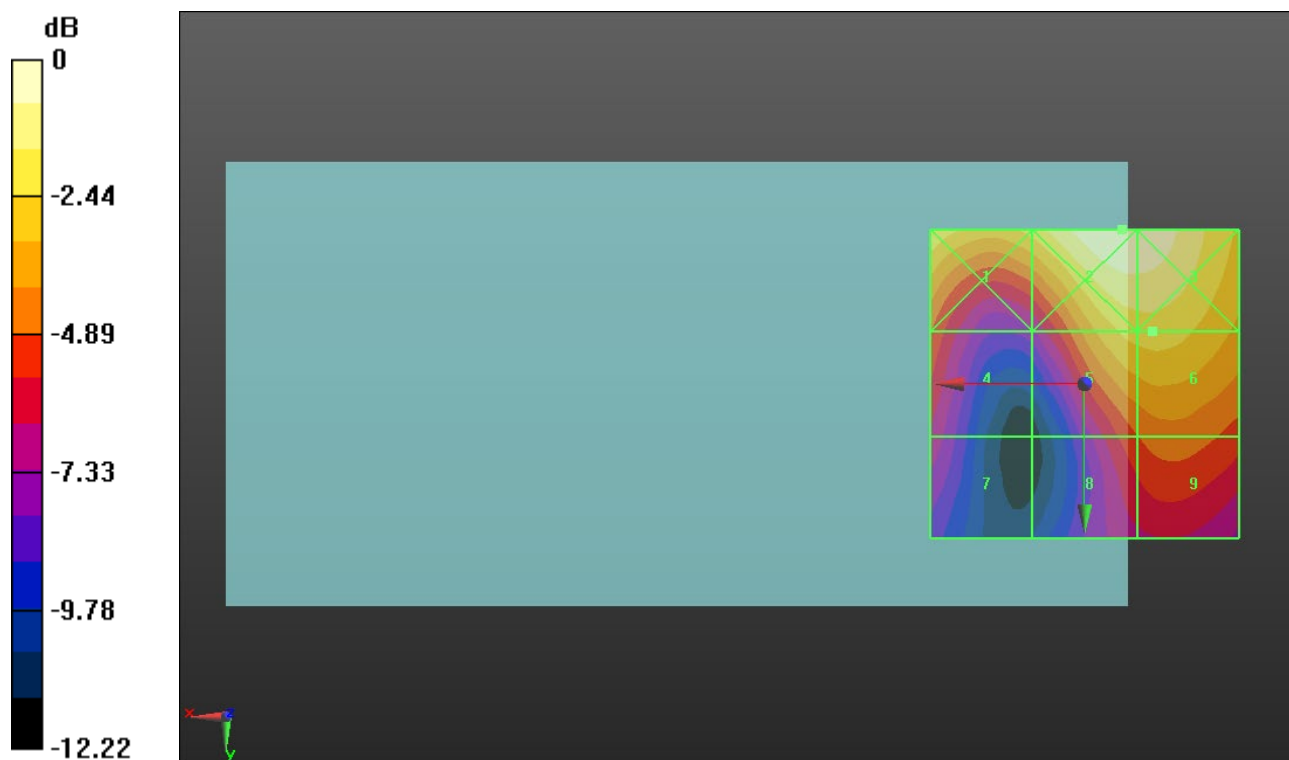
Applied MIF = -1.44 dB

RF audio interference level = 26.46 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 26.92 dBV/m	Grid 2 M4 28.49 dBV/m	Grid 3 M4 28.38 dBV/m
Grid 4 M4 23.73 dBV/m	Grid 5 M4 26.37 dBV/m	Grid 6 M4 26.46 dBV/m
Grid 7 M4 21.83 dBV/m	Grid 8 M4 23.59 dBV/m	Grid 9 M4 24.1 dBV/m



0 dB = 26.57 V/m = 28.49 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 = 23.07 V/m; Power Drift = -0.03 dB

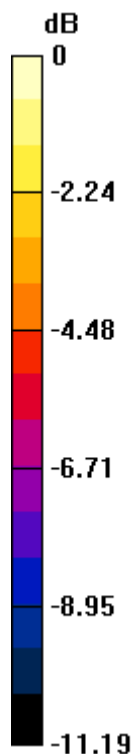
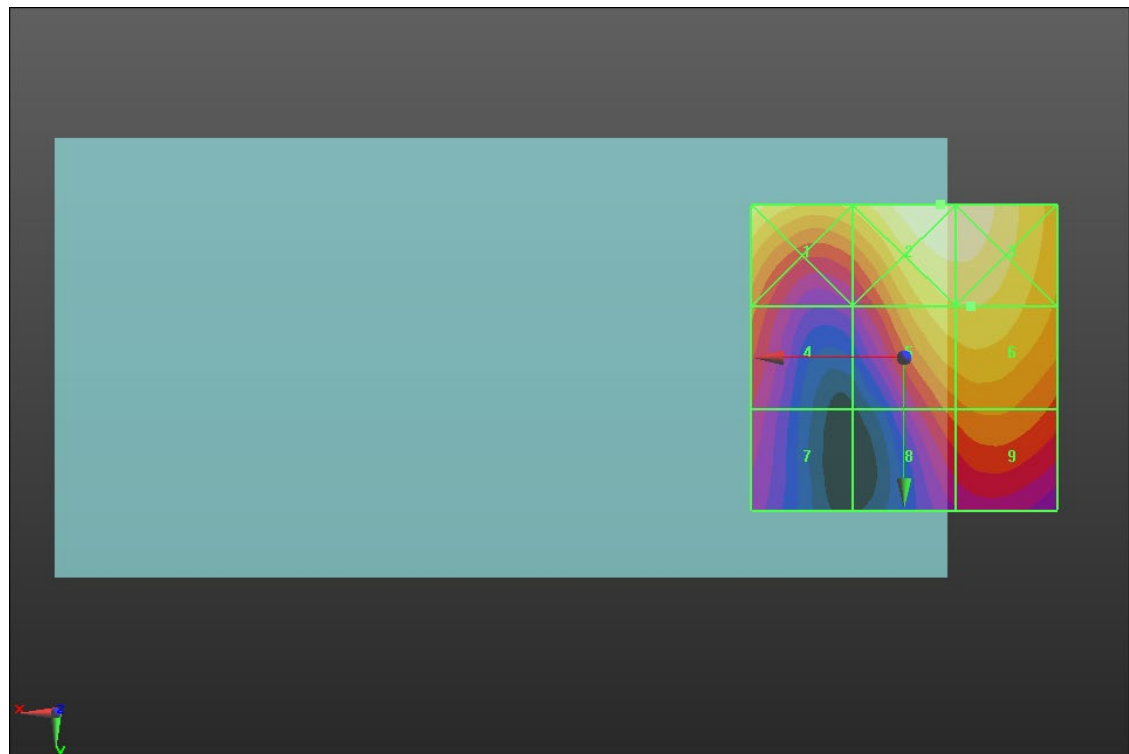
Applied MIF = -1.44 dB

RF audio interference level = 27.35 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 27.81 dBV/m	Grid 2 M4 28.8 dBV/m	Grid 3 M4 28.72 dBV/m
Grid 4 M4 24.68 dBV/m	Grid 5 M4 27.28 dBV/m	Grid 6 M4 27.35 dBV/m
Grid 7 M4 22.83 dBV/m	Grid 8 M4 24.74 dBV/m	Grid 9 M4 25.23 dBV/m



0 dB = 27.55 V/m = 28.80 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 = 19.63 V/m; Power Drift = 0.00 dB

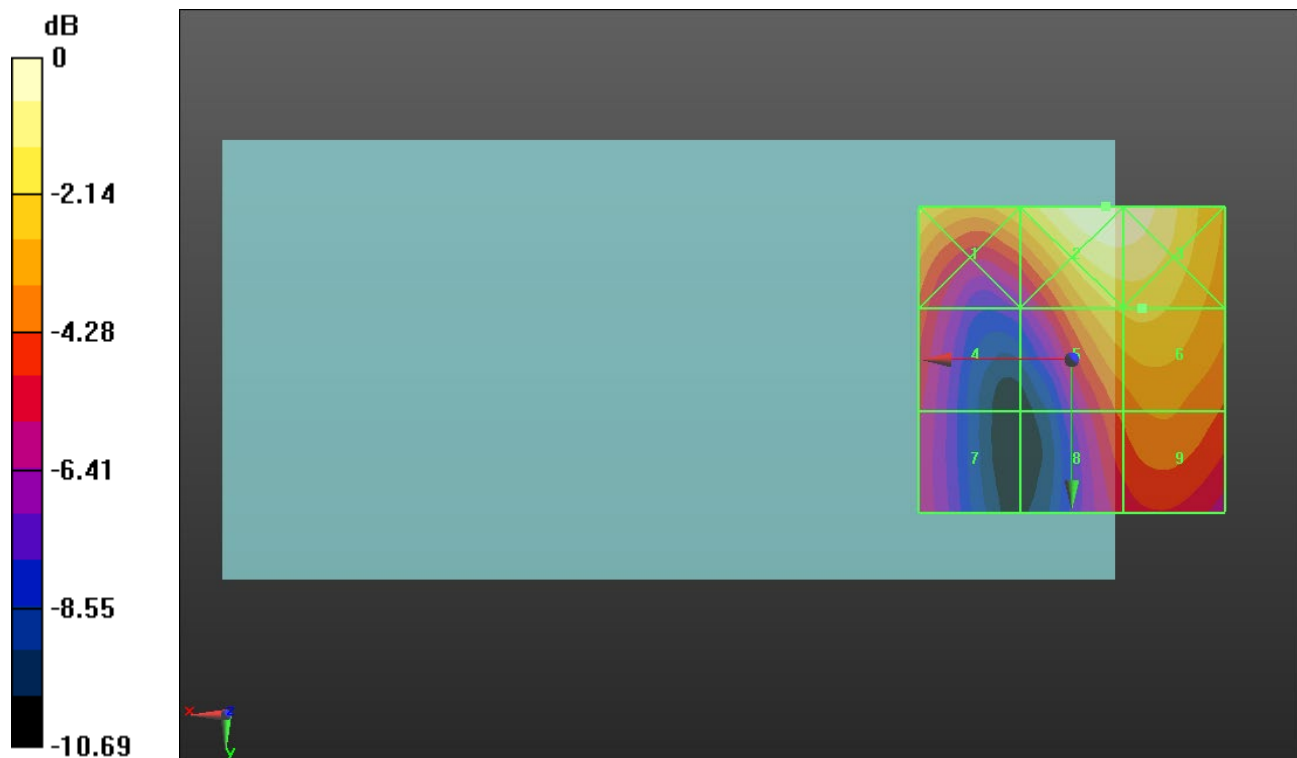
Applied MIF = -1.44 dB

RF audio interference level = 26.24 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 26.28 dBV/m	Grid 2 M4 28.14 dBV/m	Grid 3 M4 28 dBV/m
Grid 4 M4 23.7 dBV/m	Grid 5 M4 26.14 dBV/m	Grid 6 M4 26.24 dBV/m
Grid 7 M4 22.58 dBV/m	Grid 8 M4 24.11 dBV/m	Grid 9 M4 24.68 dBV/m



0 dB = 25.53 V/m = 28.14 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 = 14.33 V/m; Power Drift = -0.13 dB

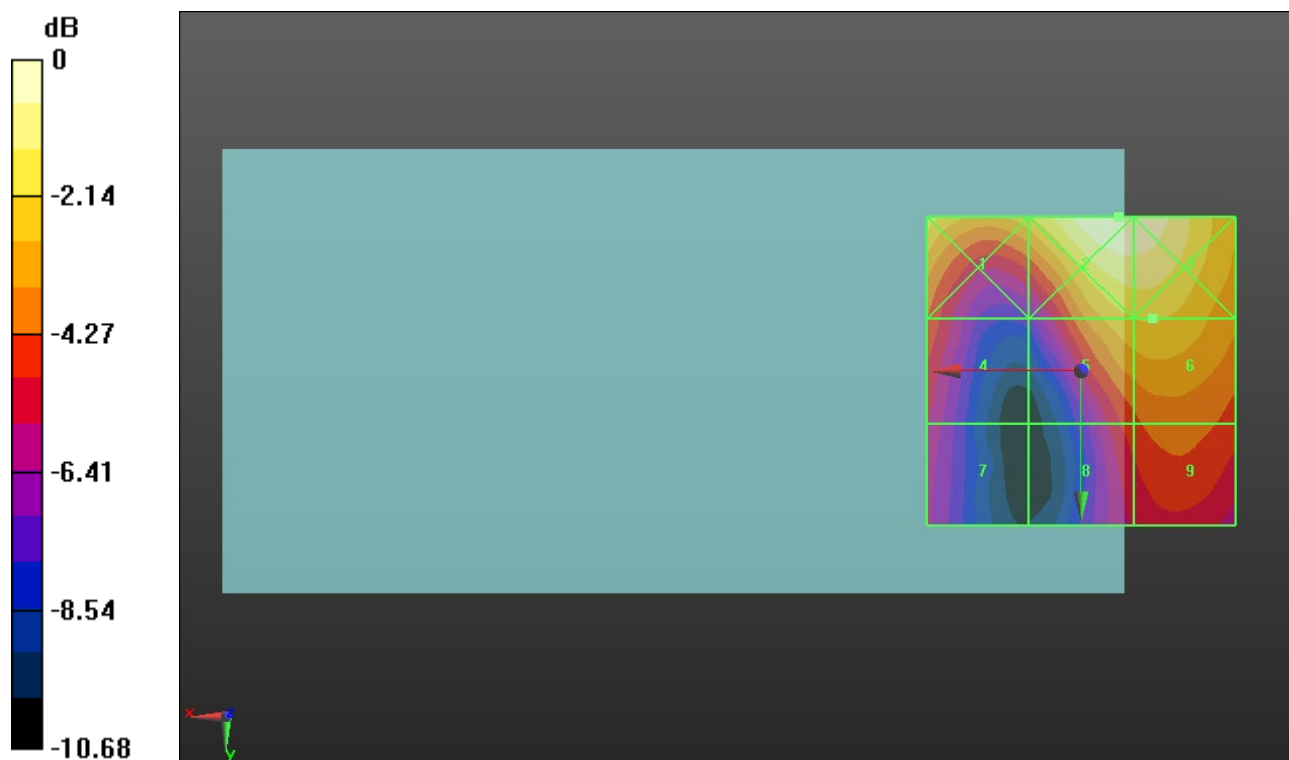
Applied MIF = -1.44 dB

RF audio interference level = 23.70 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 24.11 dBV/m	Grid 2 M4 25.76 dBV/m	Grid 3 M4 25.66 dBV/m
Grid 4 M4 21.53 dBV/m	Grid 5 M4 23.6 dBV/m	Grid 6 M4 23.7 dBV/m
Grid 7 M4 20.05 dBV/m	Grid 8 M4 21.27 dBV/m	Grid 9 M4 21.86 dBV/m



0 dB = 19.40 V/m = 25.76 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 = 14.09 V/m; Power Drift = -0.09 dB

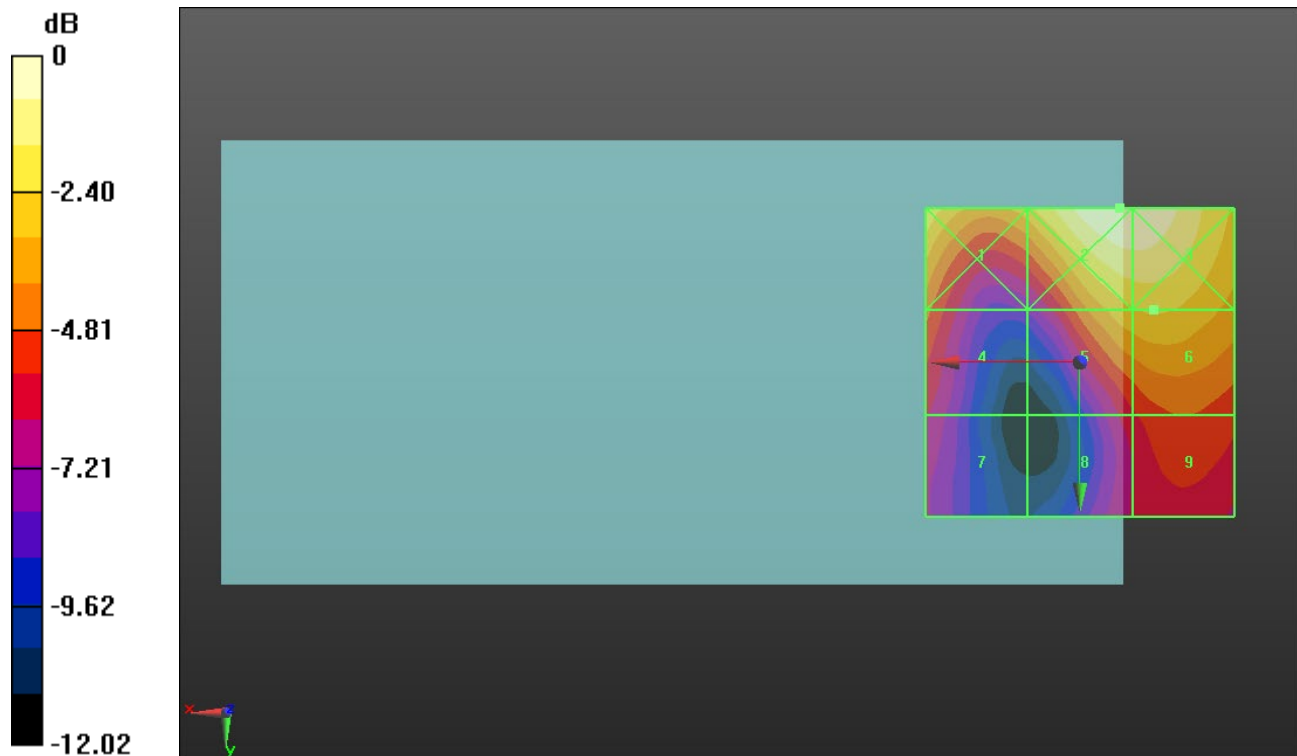
Applied MIF = -1.44 dB

RF audio interference level = 24.37 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 25.1 dBV/m	Grid 2 M4 26.66 dBV/m	Grid 3 M4 26.6 dBV/m
Grid 4 M4 22.21 dBV/m	Grid 5 M4 24.18 dBV/m	Grid 6 M4 24.37 dBV/m
Grid 7 M4 20.35 dBV/m	Grid 8 M4 20.91 dBV/m	Grid 9 M4 21.9 dBV/m



0 dB = 21.54 V/m = 26.66 dBV/m

HAC-RF Emission ANT5 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 = 6.389 V/m; Power Drift = 0.04 dB

Applied MIF = -2.02 dB

RF audio interference level = 13.32 dBV/m

Emission category: **M4**

MIF scaled E-field

Grid 1 M4 9.69 dBV/m	Grid 2 M4 10.45 dBV/m	Grid 3 M4 10.4 dBV/m
Grid 4 M4 10.78 dBV/m	Grid 5 M4 13.32 dBV/m	Grid 6 M4 13.23 dBV/m
Grid 7 M4 13.25 dBV/m	Grid 8 M4 13.98 dBV/m	Grid 9 M4 13.88 dBV/m



0 dB = 4.999 V/m = 13.98 dBV/m

HAC-RF Emission ANT5 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 = 9.384 V/m; Power Drift = -0.13 dB

Applied MIF = -2.02 dB

RF audio interference level = 17.29 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 16.62 dBV/m	Grid 2 M4 18.89 dBV/m	Grid 3 M4 18.33 dBV/m
Grid 4 M4 15.53 dBV/m	Grid 5 M4 16.82 dBV/m	Grid 6 M4 18.57 dBV/m
Grid 7 M4 15.44 dBV/m	Grid 8 M4 17.29 dBV/m	Grid 9 M4 17.28 dBV/m



0 dB = 8.800 V/m = 18.89 dBV/m

HAC-RF Emission ANT5 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 = 9.427 V/m; Power Drift = 0.07 dB

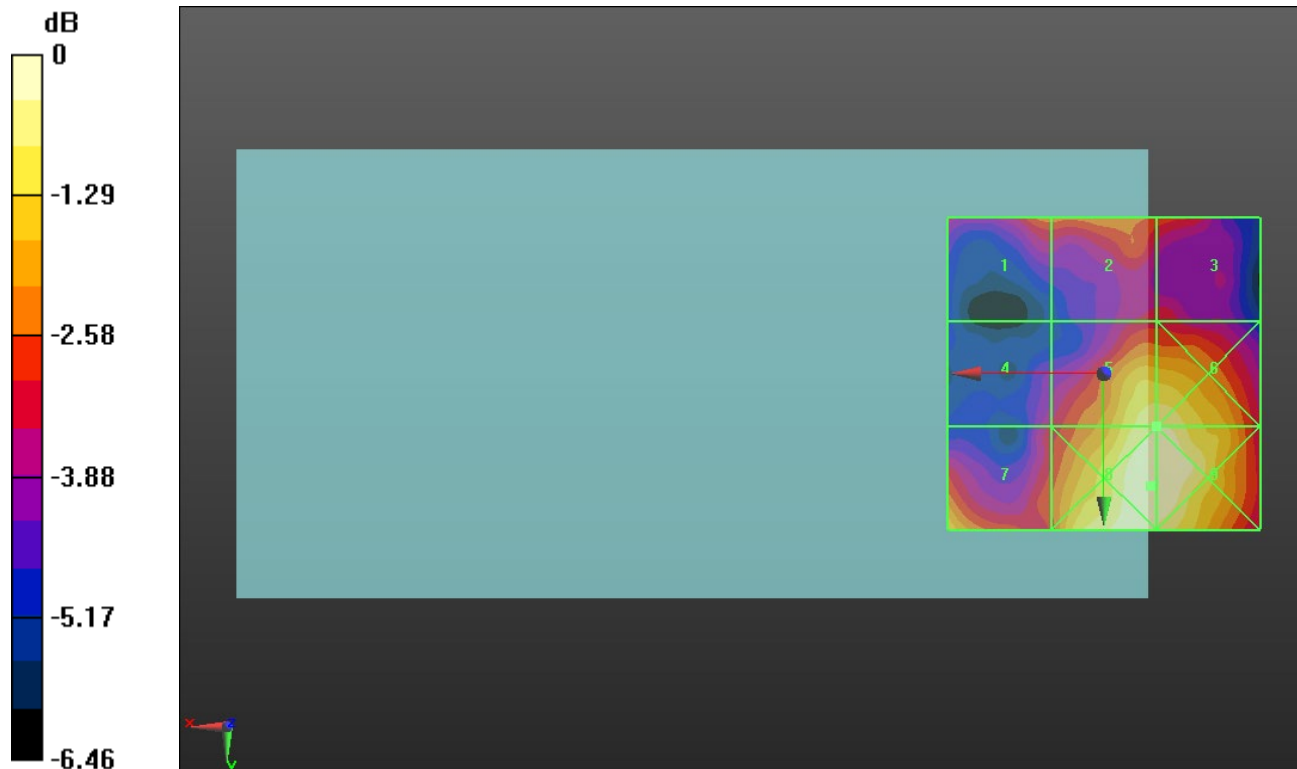
Applied MIF = -2.02 dB

RF audio interference level = 17.63 dBV/m

Emission category: **M4**

MIF scaled E-field

Grid 1 M4 15.8 dBV/m	Grid 2 M4 15.94 dBV/m	Grid 3 M4 15.42 dBV/m
Grid 4 M4 14.72 dBV/m	Grid 5 M4 17.63 dBV/m	Grid 6 M4 17.64 dBV/m
Grid 7 M4 16.82 dBV/m	Grid 8 M4 18.06 dBV/m	Grid 9 M4 18.05 dBV/m



0 dB = 8.000 V/m = 18.06 dBV/m

HAC-RF Emission ANT5 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 = 9.364 V/m; Power Drift = 0.06 dB

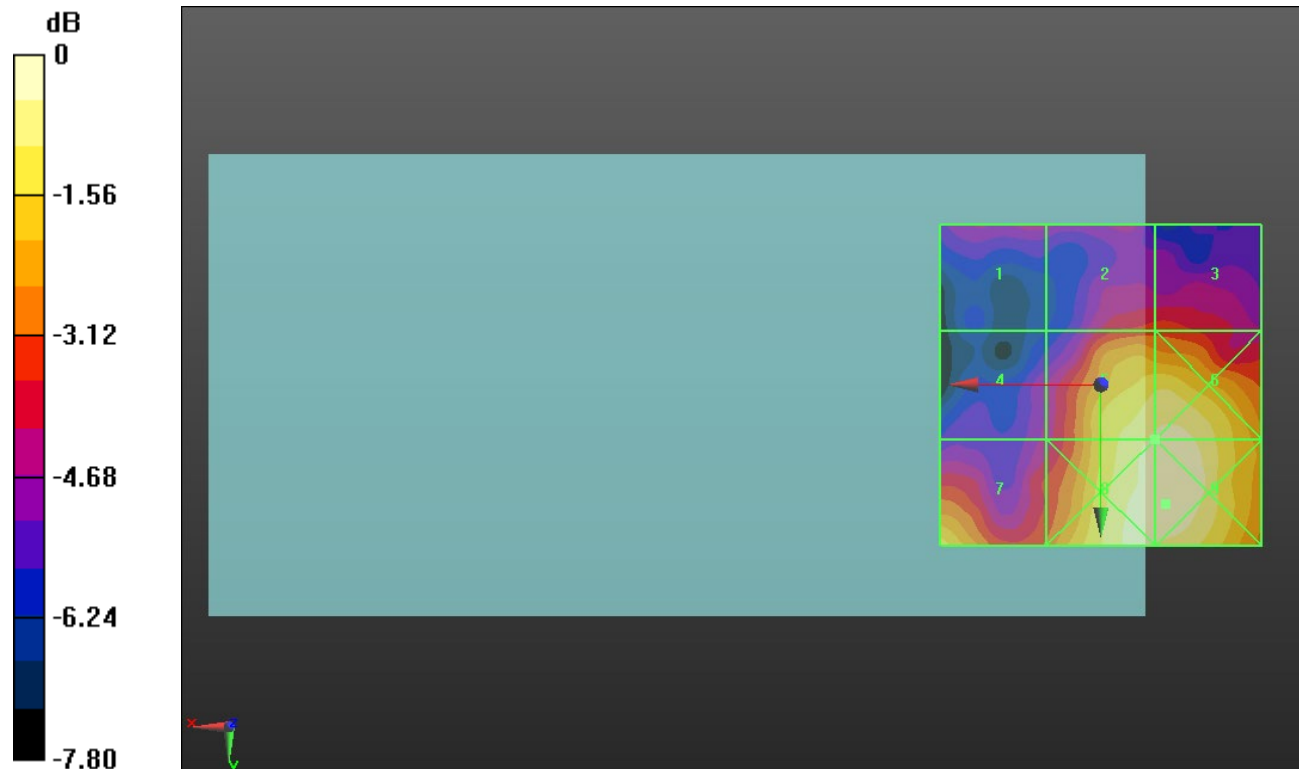
Applied MIF = 0.12 dB

RF audio interference level = 19.07 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 15.17 dBV/m	Grid 2 M4 16.15 dBV/m	Grid 3 M4 16.16 dBV/m
Grid 4 M4 15.07 dBV/m	Grid 5 M4 19.07 dBV/m	Grid 6 M4 19.16 dBV/m
Grid 7 M4 18.27 dBV/m	Grid 8 M4 19.43 dBV/m	Grid 9 M4 19.47 dBV/m



0 dB = 9.413 V/m = 19.47 dBV/m

HAC-RF Emission ANT5 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 = 8.292 V/m; Power Drift = -0.03 dB

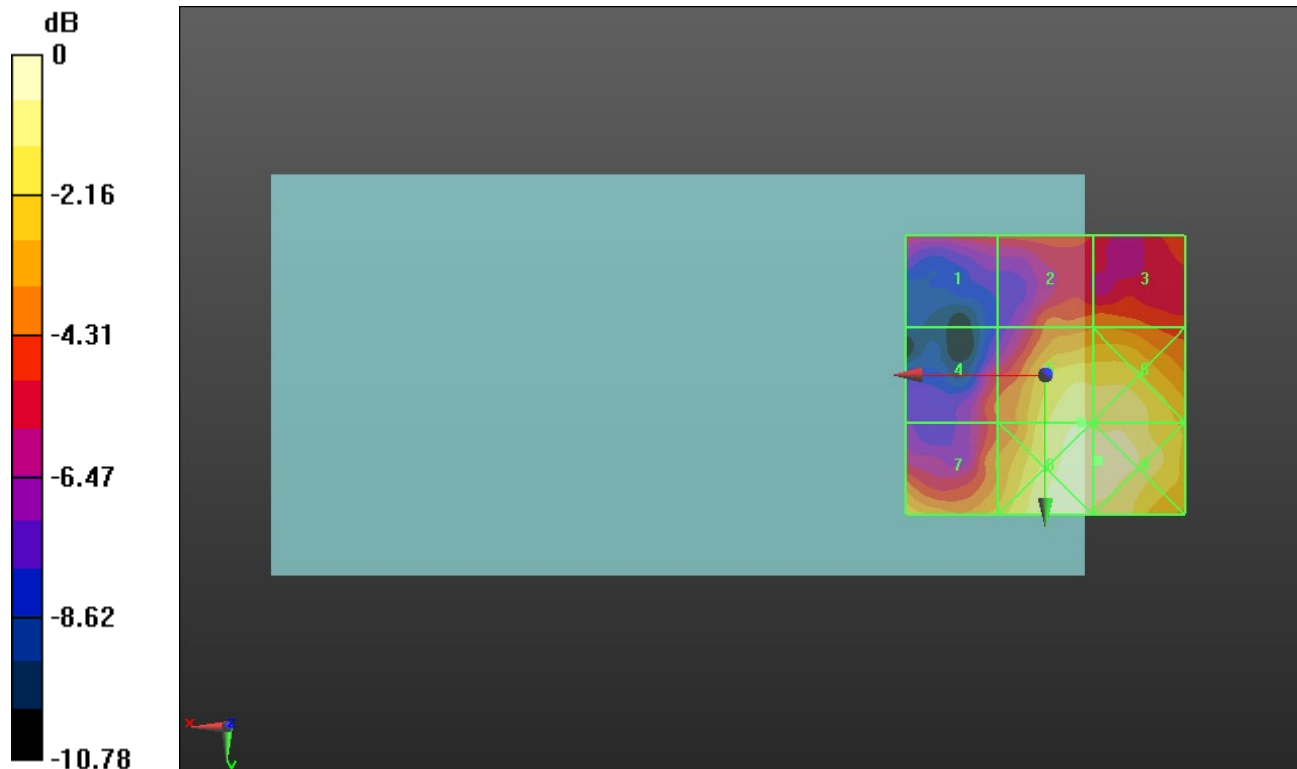
Applied MIF = 0.12 dB

RF audio interference level = 17.51 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 13.44 dBV/m	Grid 2 M4 14.59 dBV/m	Grid 3 M4 14.66 dBV/m
Grid 4 M4 14.13 dBV/m	Grid 5 M4 17.51 dBV/m	Grid 6 M4 17.42 dBV/m
Grid 7 M4 16.04 dBV/m	Grid 8 M4 18.17 dBV/m	Grid 9 M4 18.22 dBV/m



0 dB = 8.148 V/m = 18.22 dBV/m

HAC-RF Emission ANT5 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 = 9.076 V/m; Power Drift = 0.19 dB

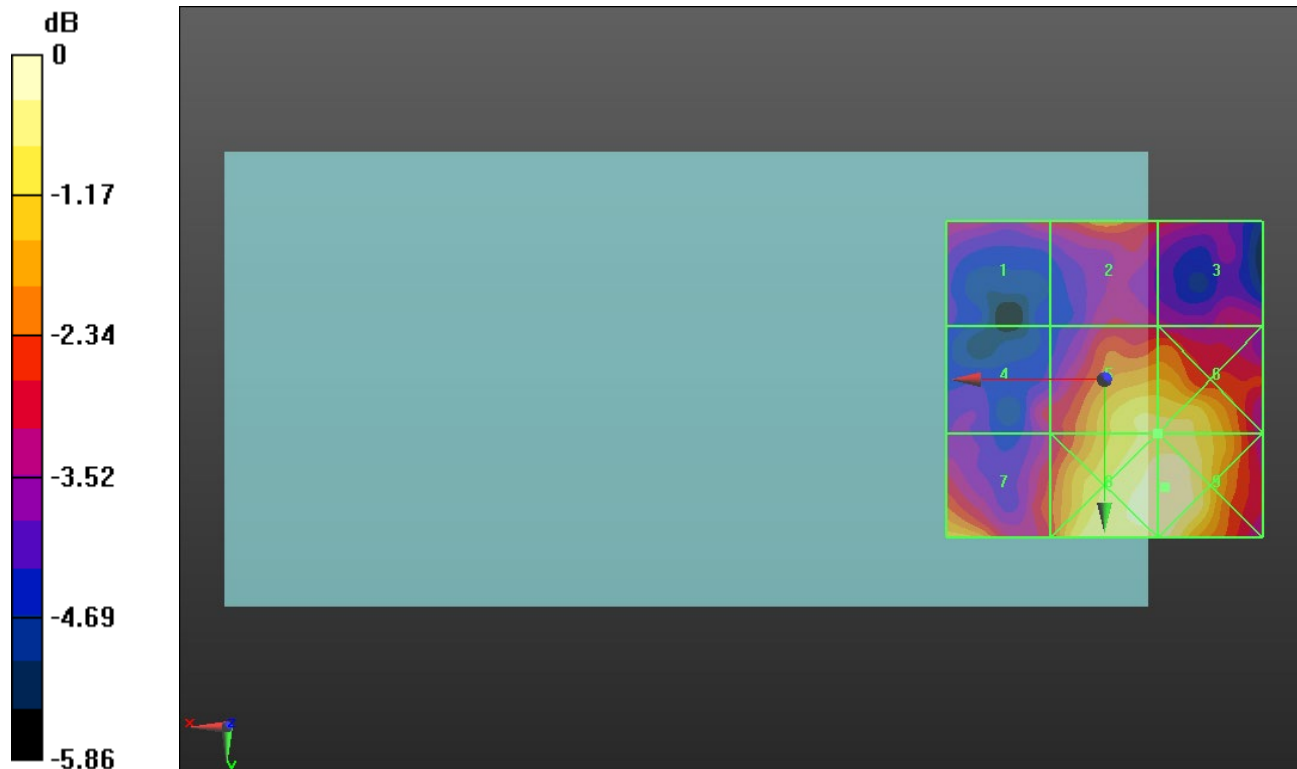
Applied MIF = 0.12 dB

RF audio interference level = 18.56 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 16.42 dBV/m	Grid 2 M4 17.25 dBV/m	Grid 3 M4 16.36 dBV/m
Grid 4 M4 16.26 dBV/m	Grid 5 M4 18.56 dBV/m	Grid 6 M4 18.56 dBV/m
Grid 7 M4 17.94 dBV/m	Grid 8 M4 19.16 dBV/m	Grid 9 M4 19.19 dBV/m



0 dB = 9.111 V/m = 19.19 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 = 14.48 V/m; Power Drift = -0.06 dB

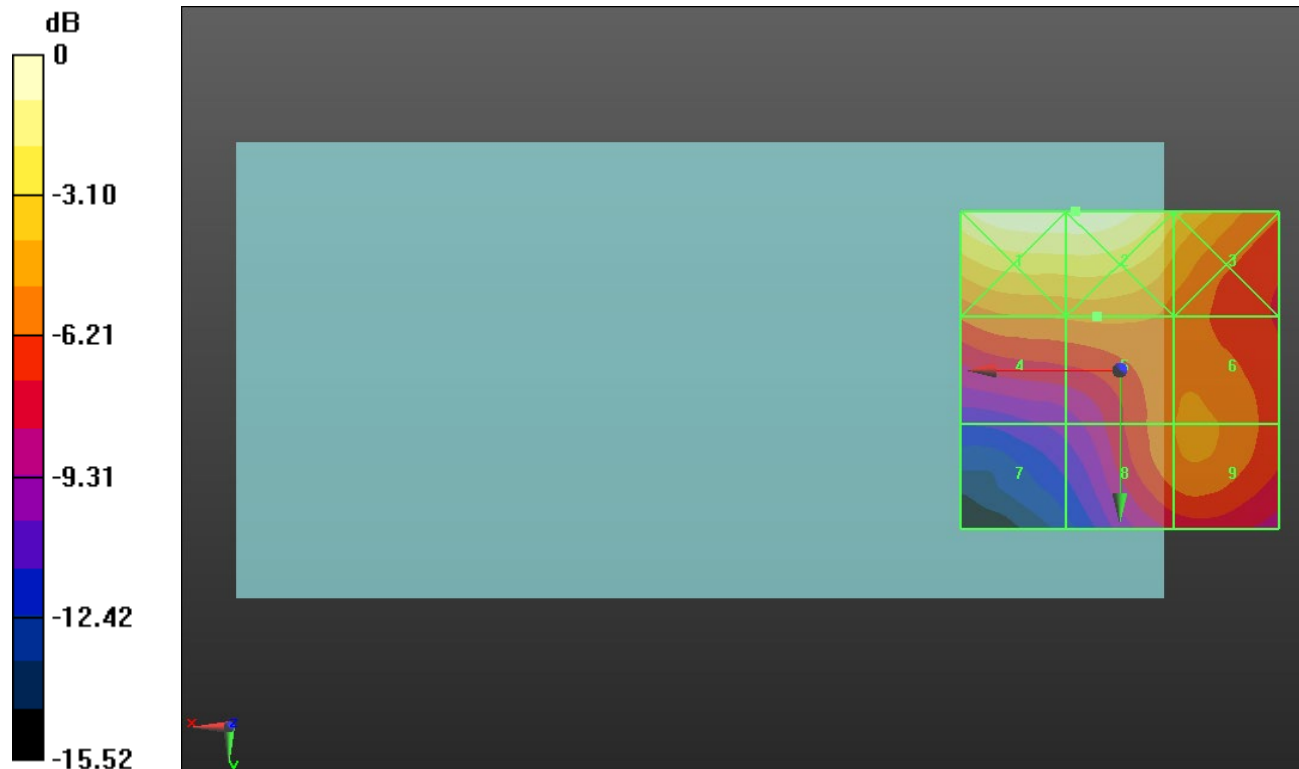
Applied MIF = 3.63 dB

RF audio interference level = 27.00 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M3 31.86 dBV/m	Grid 2 M3 31.87 dBV/m	Grid 3 M4 29.26 dBV/m
Grid 4 M4 26.86 dBV/m	Grid 5 M4 27 dBV/m	Grid 6 M4 26.96 dBV/m
Grid 7 M4 22.05 dBV/m	Grid 8 M4 26.69 dBV/m	Grid 9 M4 26.97 dBV/m



0 dB = 39.21 V/m = 31.87 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 = 14.39 V/m; Power Drift = -0.17 dB

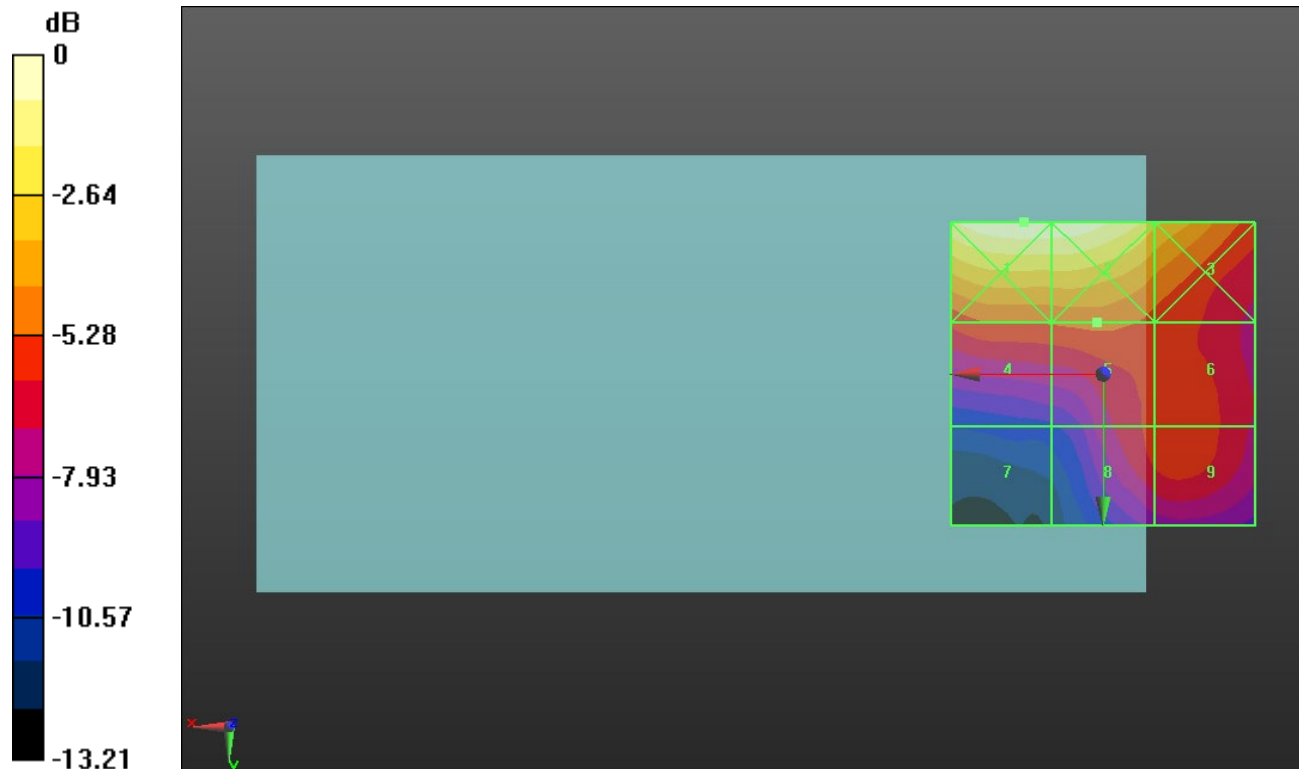
Applied MIF = 3.63 dB

RF audio interference level = 26.73 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M3 31.68 dBV/m	Grid 2 M3 31.64 dBV/m	Grid 3 M4 29.32 dBV/m
Grid 4 M4 26.51 dBV/m	Grid 5 M4 26.73 dBV/m	Grid 6 M4 26.31 dBV/m
Grid 7 M4 21.9 dBV/m	Grid 8 M4 25.96 dBV/m	Grid 9 M4 26.31 dBV/m



0 dB = 38.39 V/m = 31.68 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 = 14.51 V/m; Power Drift = 0.01 dB

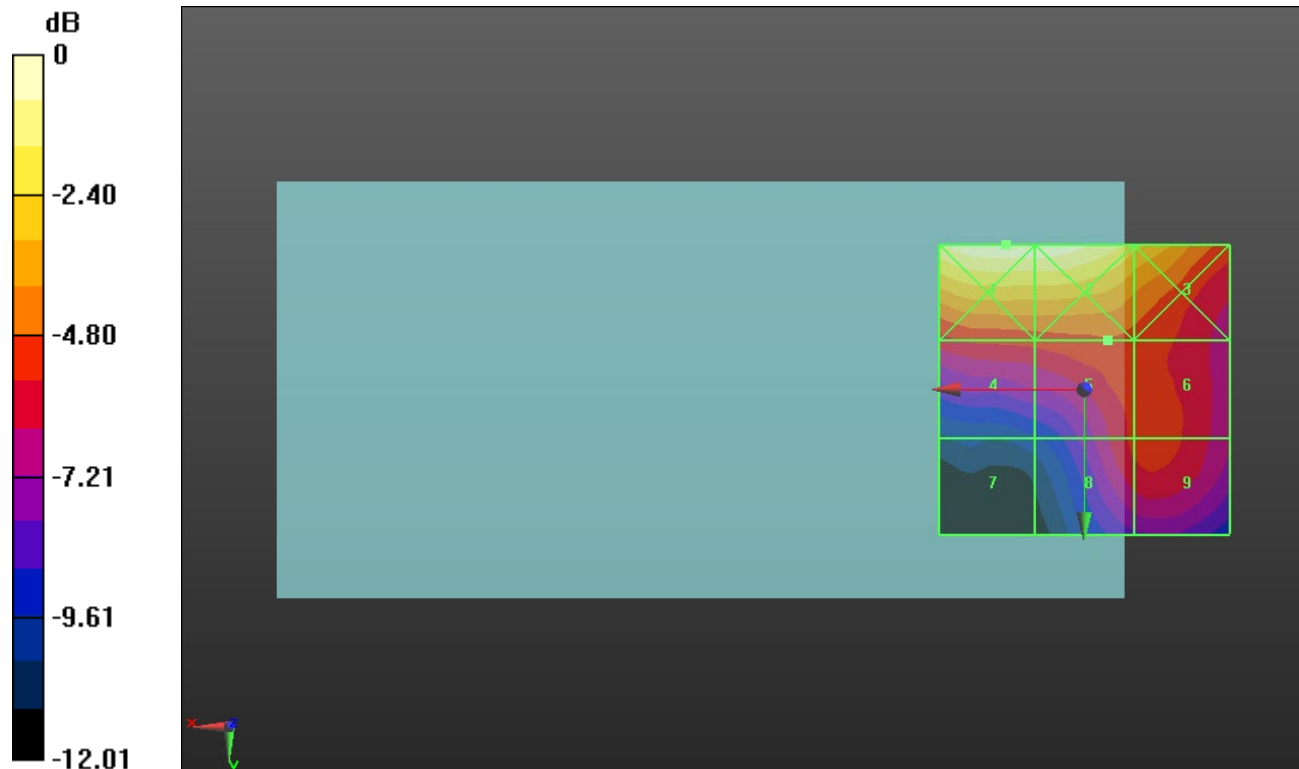
Applied MIF = 3.63 dB

RF audio interference level = 26.36 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M3 31.23 dBV/m	Grid 2 M3 31.19 dBV/m	Grid 3 M4 29.2 dBV/m
Grid 4 M4 26 dBV/m	Grid 5 M4 26.36 dBV/m	Grid 6 M4 26.19 dBV/m
Grid 7 M4 21.5 dBV/m	Grid 8 M4 25.86 dBV/m	Grid 9 M4 26.11 dBV/m



0 dB = 36.44 V/m = 31.23 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 = 7.342 V/m; Power Drift = 0.01 dB

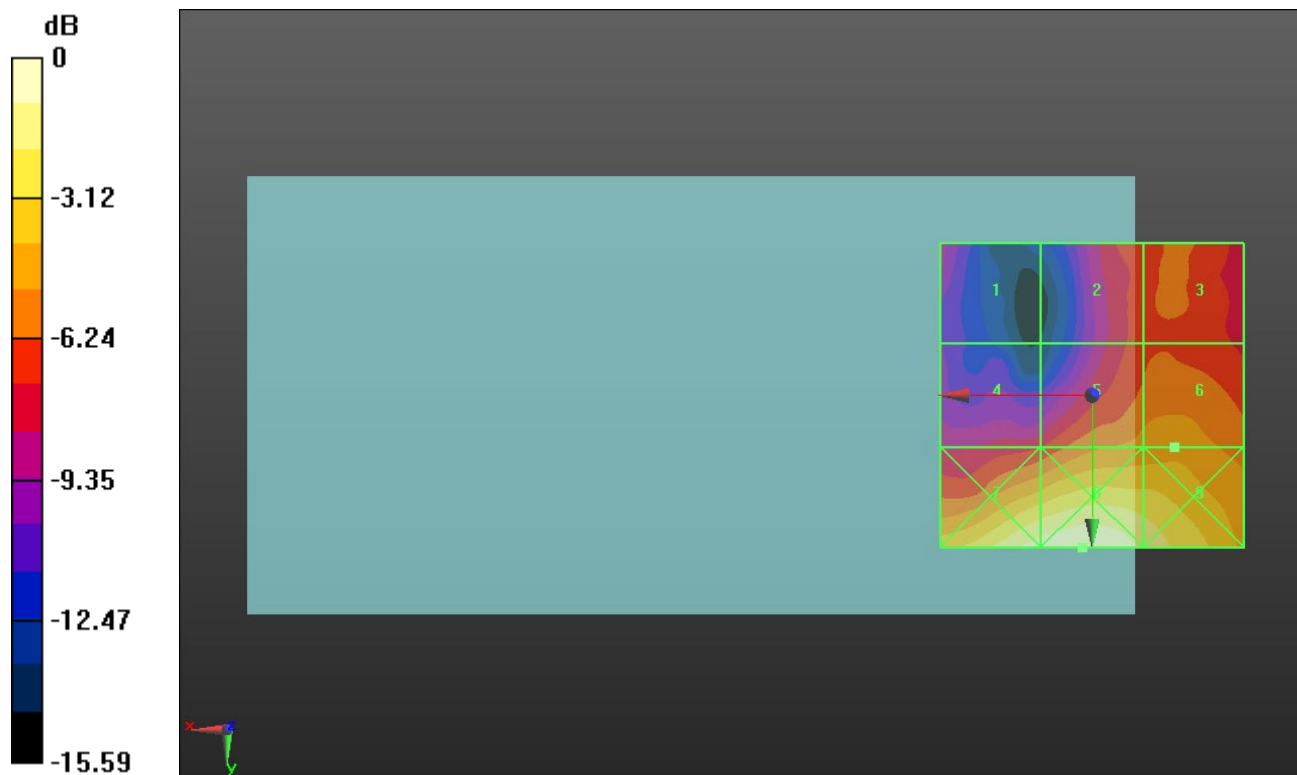
Applied MIF = -1.44 dB

RF audio interference level = 17.44 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 13.2 dBV/m	Grid 2 M4 15.4 dBV/m	Grid 3 M4 15.92 dBV/m
Grid 4 M4 14.66 dBV/m	Grid 5 M4 17.17 dBV/m	Grid 6 M4 17.44 dBV/m
Grid 7 M4 21.45 dBV/m	Grid 8 M4 21.92 dBV/m	Grid 9 M4 20.67 dBV/m



0 dB = 12.47 V/m = 21.92 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 = 9.005 V/m; Power Drift = -0.16 dB

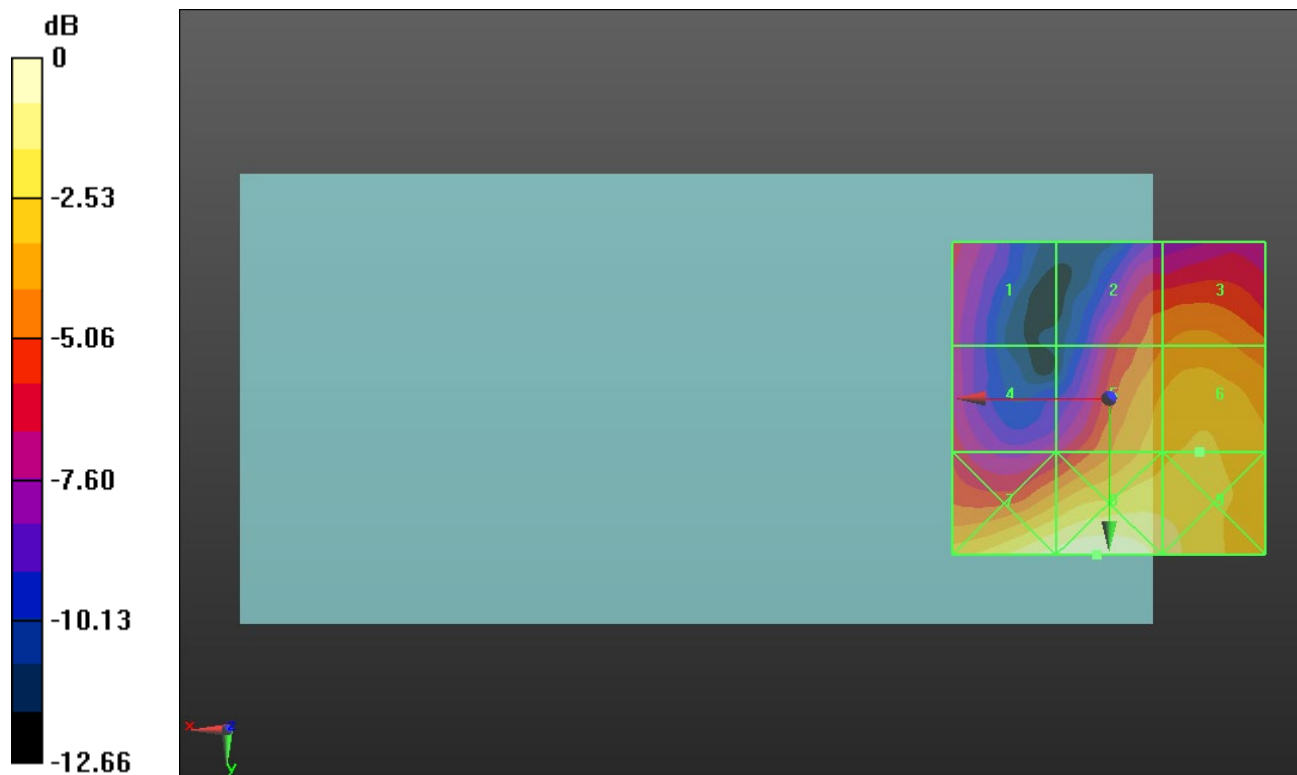
Applied MIF = -1.44 dB

RF audio interference level = 19.25 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 15.26 dBV/m	Grid 2 M4 17.36 dBV/m	Grid 3 M4 17.84 dBV/m
Grid 4 M4 15.55 dBV/m	Grid 5 M4 18.86 dBV/m	Grid 6 M4 19.25 dBV/m
Grid 7 M4 21.24 dBV/m	Grid 8 M4 21.64 dBV/m	Grid 9 M4 20.46 dBV/m



0 dB = 12.08 V/m = 21.64 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 = 9.620 V/m; Power Drift = -0.00 dB

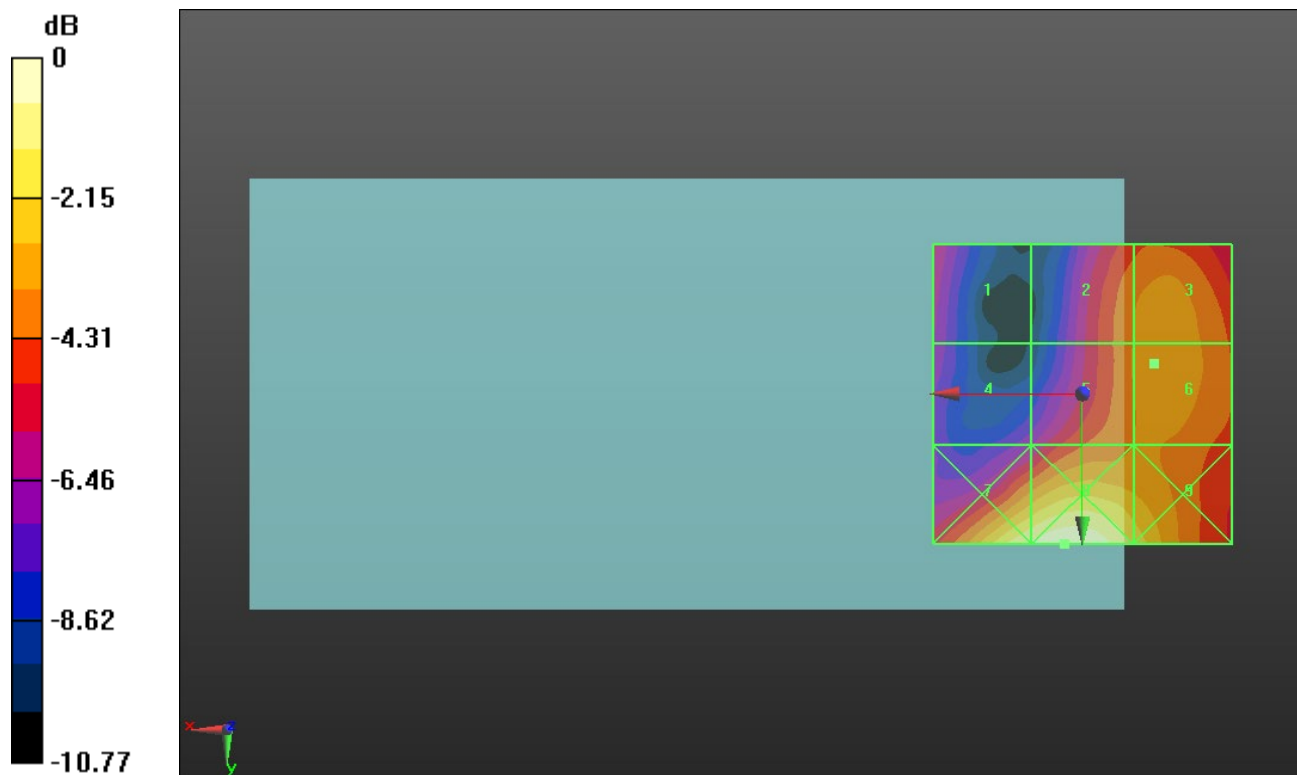
Applied MIF = -1.44 dB

RF audio interference level = 19.35 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 17.01 dBV/m	Grid 2 M4 18.9 dBV/m	Grid 3 M4 19.29 dBV/m
Grid 4 M4 16.05 dBV/m	Grid 5 M4 18.97 dBV/m	Grid 6 M4 19.35 dBV/m
Grid 7 M4 21.92 dBV/m	Grid 8 M4 22.45 dBV/m	Grid 9 M4 20.87 dBV/m



0 dB = 13.27 V/m = 22.46 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 = 8.059 V/m; Power Drift = -0.05 dB

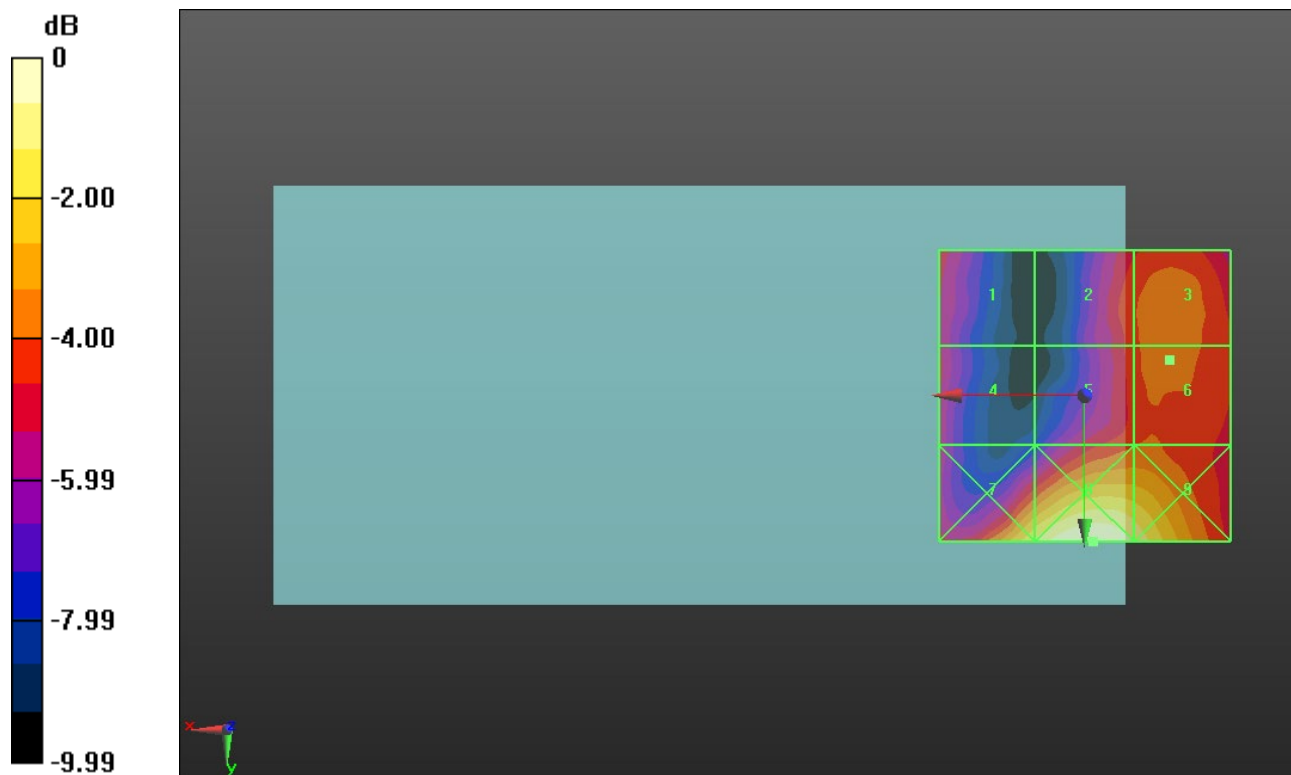
Applied MIF = -1.44 dB

RF audio interference level = 18.65 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 17.39 dBV/m	Grid 2 M4 18.24 dBV/m	Grid 3 M4 18.65 dBV/m
Grid 4 M4 17.28 dBV/m	Grid 5 M4 18.29 dBV/m	Grid 6 M4 18.65 dBV/m
Grid 7 M4 21.12 dBV/m	Grid 8 M4 22.3 dBV/m	Grid 9 M4 21.54 dBV/m



0 dB = 13.03 V/m = 22.30 dBV/m

HAC-RF Emission ANT4

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

Phantom section: RF Section

DASY5 Configuration:

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

LTE Band 41 E-Field measurement/SC-FDMA 1RB 20 MHz 16QAM Ch. 41490/Hearing Aid Compatibility Test (101x101x1): Interpolated grid: dx=0.5000 mm, dy=0.5000 mm

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 8.887 V/m; Power Drift = -0.18 dB

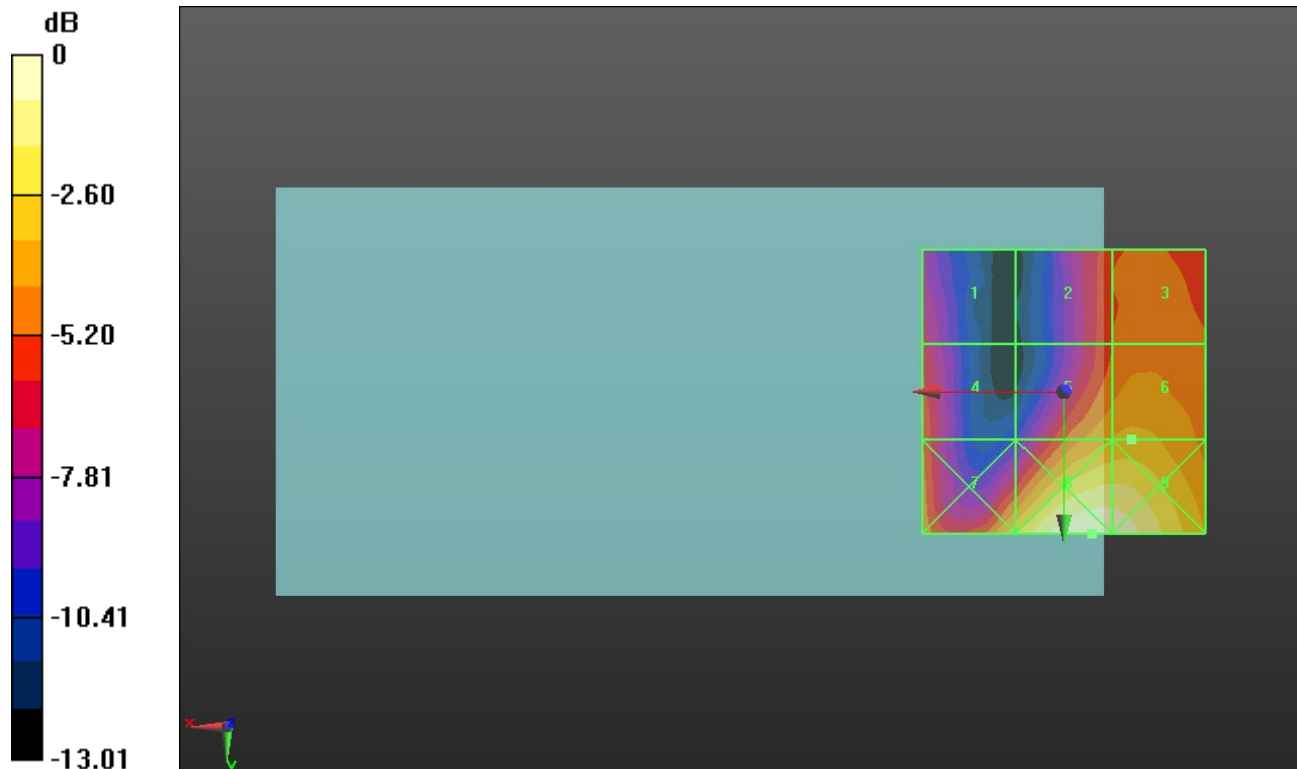
Applied MIF = -1.44 dB

RF audio interference level = 20.39 dBV/m

Emission category: **M4**

MIF scaled E-field

Grid 1 M4 17.04 dBV/m	Grid 2 M4 18.36 dBV/m	Grid 3 M4 19.11 dBV/m
Grid 4 M4 18.5 dBV/m	Grid 5 M4 20.18 dBV/m	Grid 6 M4 20.39 dBV/m
Grid 7 M4 20.85 dBV/m	Grid 8 M4 23.54 dBV/m	Grid 9 M4 23.37 dBV/m



0 dB = 15.03 V/m = 23.54 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 = 5.607 V/m; Power Drift = 0.13 dB

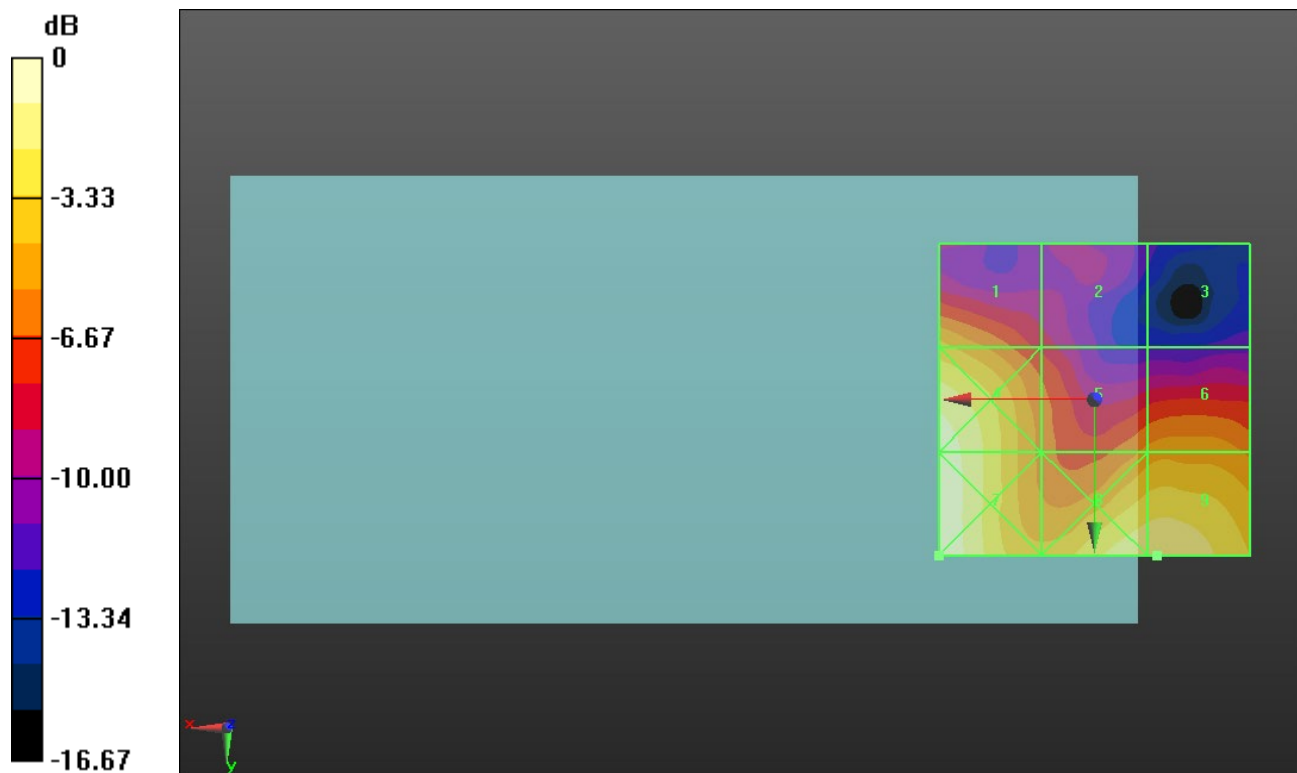
Applied MIF = -1.44 dB

RF audio interference level = 21.32 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 18.69 dBV/m	Grid 2 M4 14.53 dBV/m	Grid 3 M4 11.23 dBV/m
Grid 4 M4 22.25 dBV/m	Grid 5 M4 17.51 dBV/m	Grid 6 M4 17.87 dBV/m
Grid 7 M4 22.64 dBV/m	Grid 8 M4 21.3 dBV/m	Grid 9 M4 21.32 dBV/m



0 dB = 13.56 V/m = 22.65 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 = 6.774 V/m; Power Drift = -0.07 dB

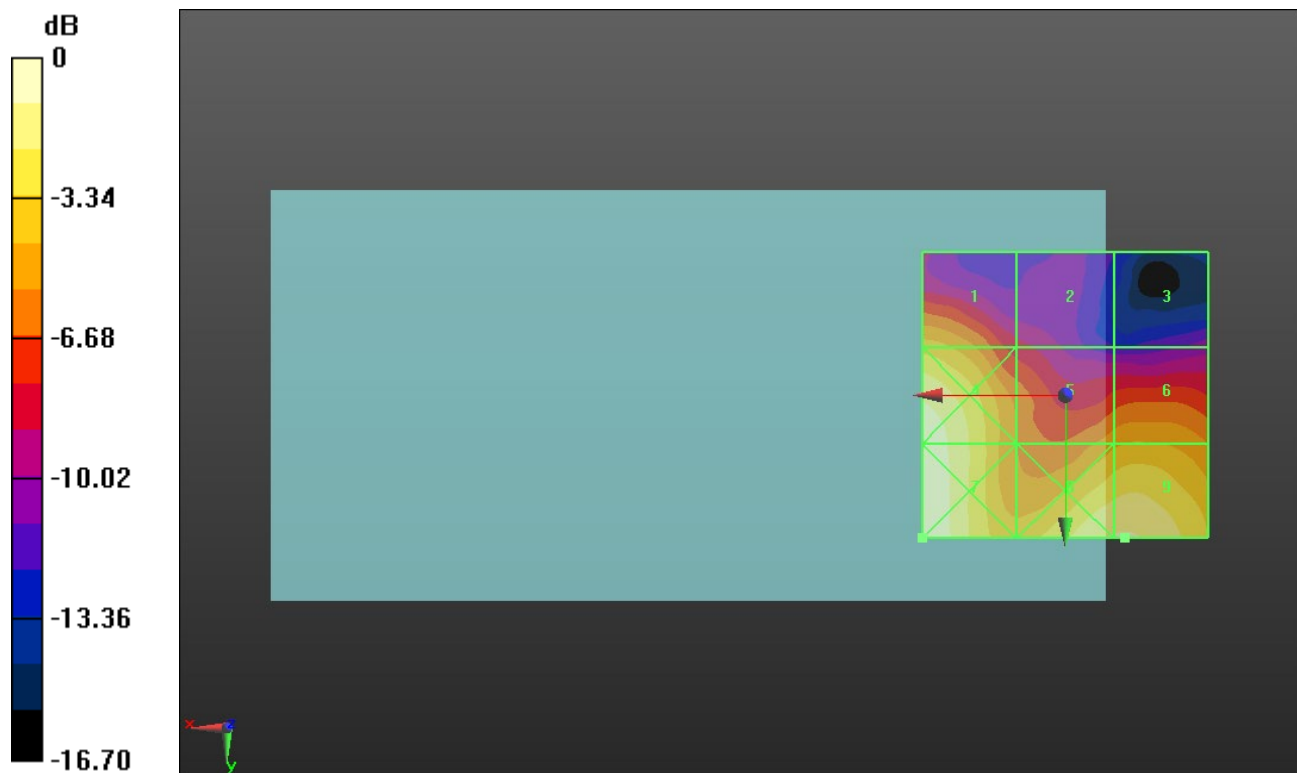
Applied MIF = -1.44 dB

RF audio interference level = 21.66 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 18.77 dBV/m	Grid 2 M4 14.22 dBV/m	Grid 3 M4 12.17 dBV/m
Grid 4 M4 22.23 dBV/m	Grid 5 M4 17.86 dBV/m	Grid 6 M4 18.27 dBV/m
Grid 7 M4 22.6 dBV/m	Grid 8 M4 21.61 dBV/m	Grid 9 M4 21.66 dBV/m



0 dB = 13.48 V/m = 22.59 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 = 6.924 V/m; Power Drift = 0.16 dB

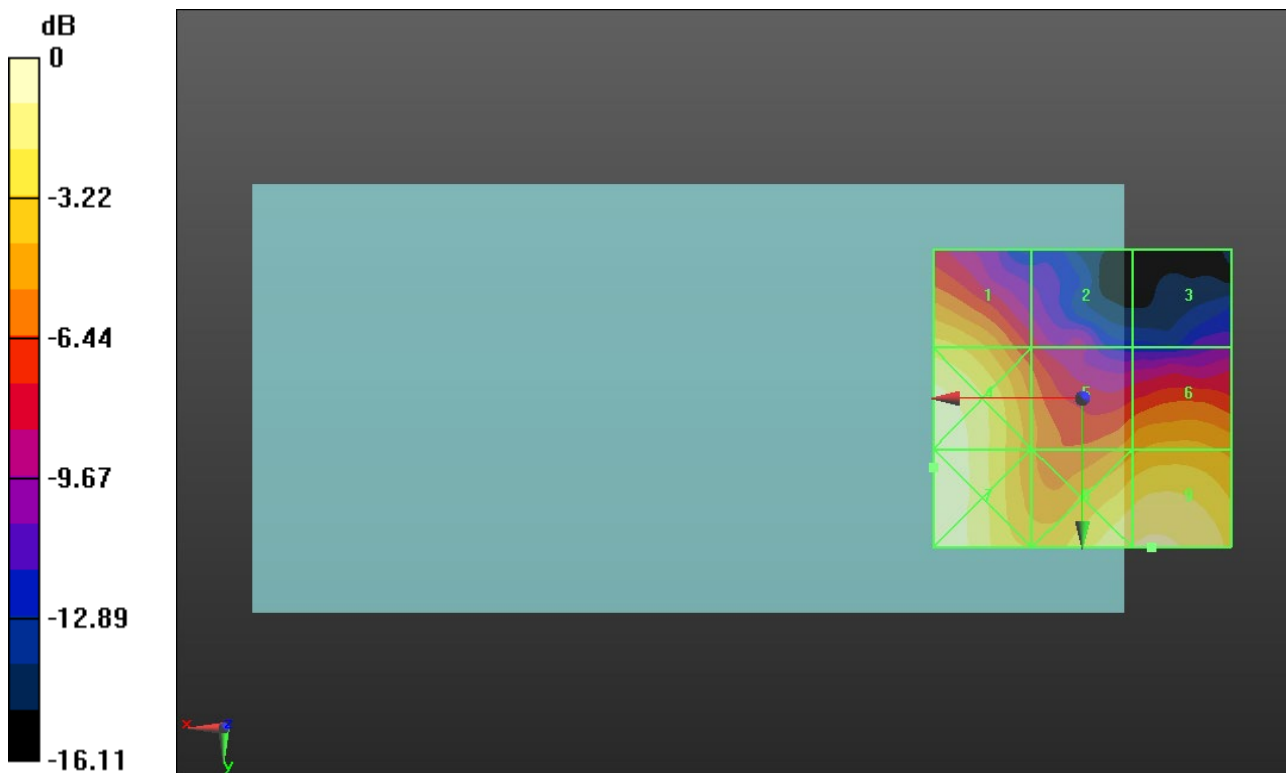
Applied MIF = -1.44 dB

RF audio interference level = 20.71 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 18.89 dBV/m	Grid 2 M4 13.82 dBV/m	Grid 3 M4 10.87 dBV/m
Grid 4 M4 21.49 dBV/m	Grid 5 M4 16.96 dBV/m	Grid 6 M4 17.65 dBV/m
Grid 7 M4 21.54 dBV/m	Grid 8 M4 20.53 dBV/m	Grid 9 M4 20.71 dBV/m



0 dB = 11.94 V/m = 21.54 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 = 6.457 V/m; Power Drift = 0.01 dB

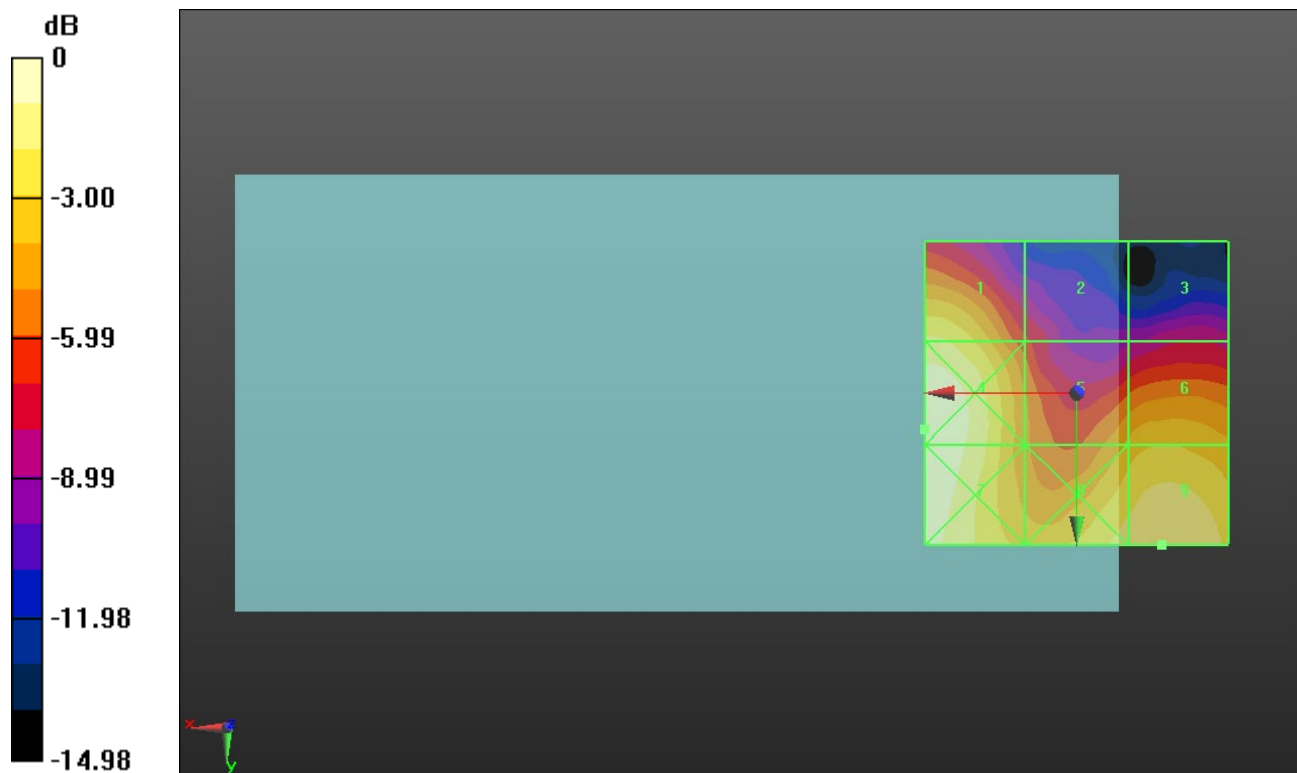
Applied MIF = -1.44 dB

RF audio interference level = 20.23 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 19.65 dBV/m	Grid 2 M4 14.76 dBV/m	Grid 3 M4 13.58 dBV/m
Grid 4 M4 21.42 dBV/m	Grid 5 M4 17.69 dBV/m	Grid 6 M4 18.44 dBV/m
Grid 7 M4 21.34 dBV/m	Grid 8 M4 19.9 dBV/m	Grid 9 M4 20.23 dBV/m



0 dB = 11.77 V/m = 21.42 dBV/m

HAC-RF Emission ANT4 Wi-Fi 2.4GHz

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

Phantom section: RF Section

DASY5 Configuration:

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

802.11b E-Field measurement/IEEE 802.11b_OFDM 11 Mbps Ch. 2/Hearing Aid

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

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 25.88 V/m; Power Drift = -0.07 dB

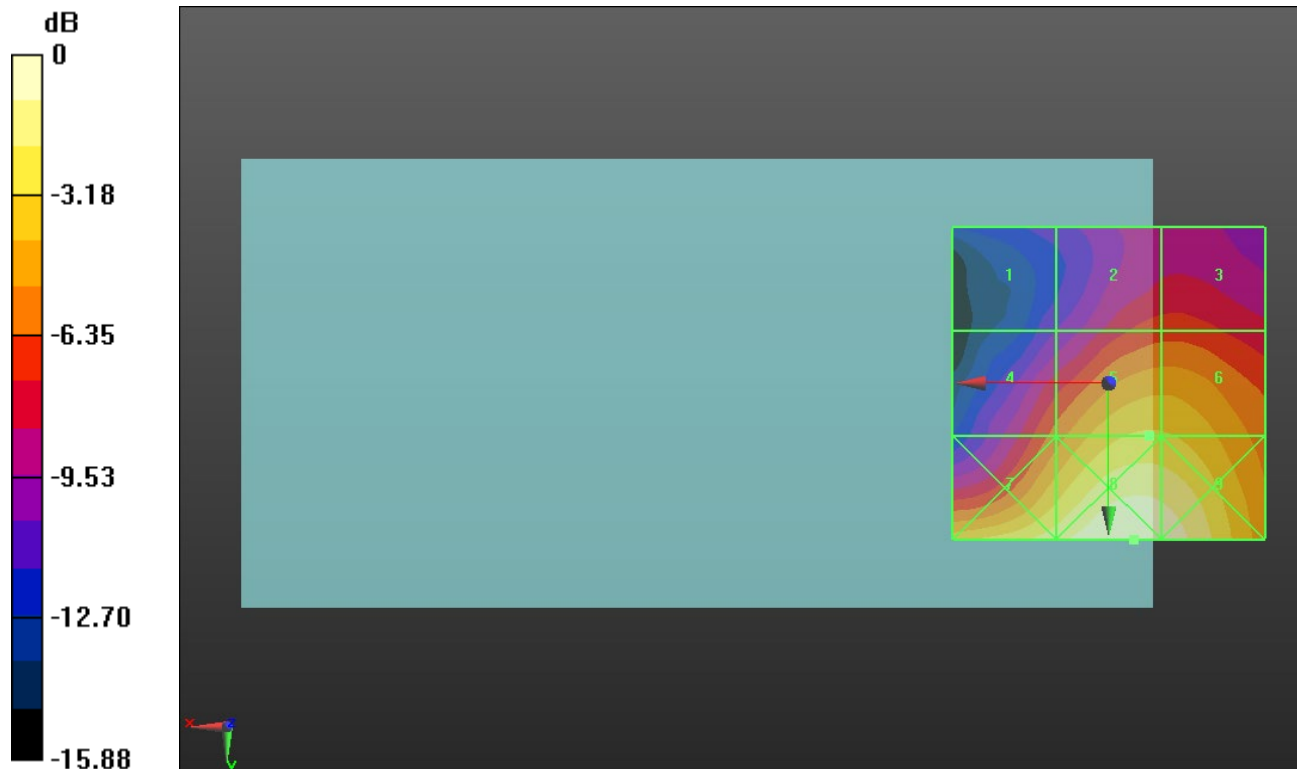
Applied MIF = -2.02 dB

RF audio interference level = 26.04 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 18.45 dBV/m	Grid 2 M4 22.19 dBV/m	Grid 3 M4 22.23 dBV/m
Grid 4 M4 23.18 dBV/m	Grid 5 M4 26.04 dBV/m	Grid 6 M4 25.98 dBV/m
Grid 7 M4 27.58 dBV/m	Grid 8 M4 29 dBV/m	Grid 9 M4 28.71 dBV/m



0 dB = 28.18 V/m = 29.00 dBV/m

HAC-RF Emission ANT4 Wi-Fi 2.4GHz

Communication System: UID 10061 - CAB, IEEE 802.11b WiFi 2.4 GHz (DSSS, 11 Mbps); Frequency: 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 = 32.82 V/m; Power Drift = -0.03 dB

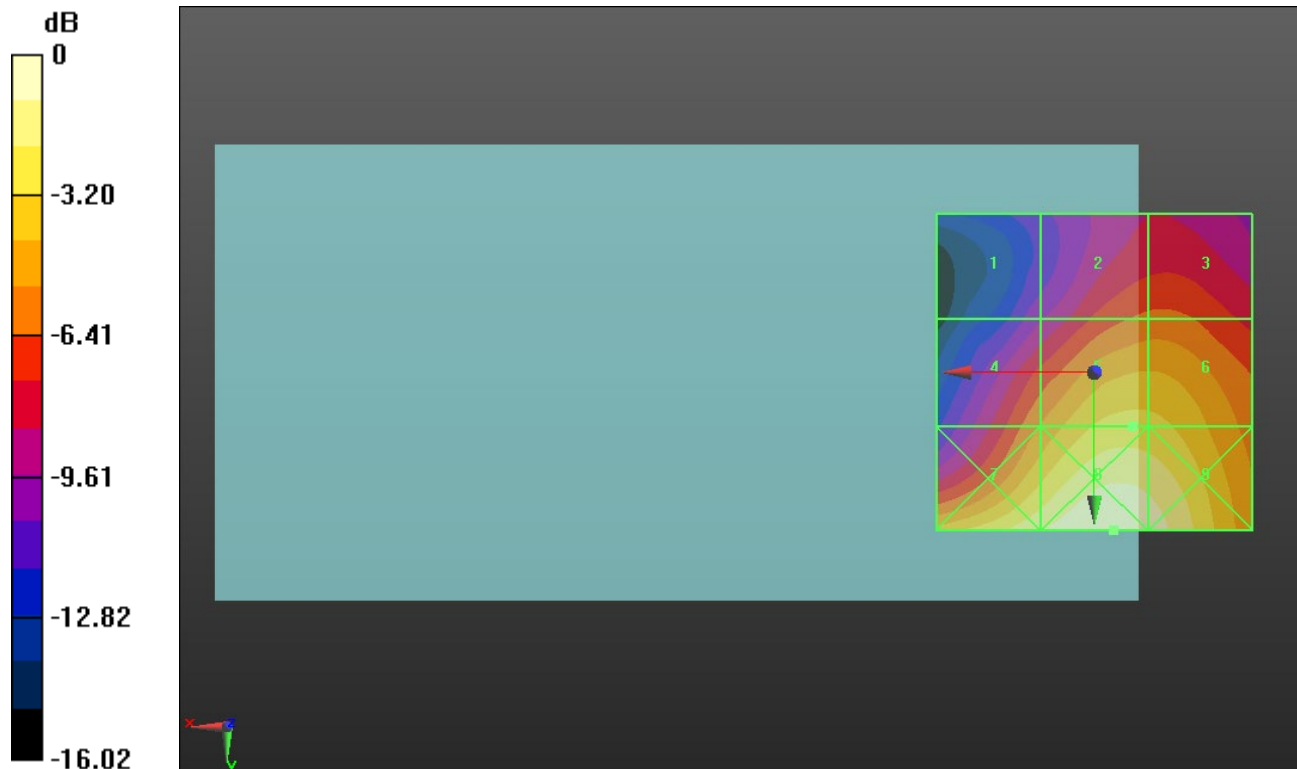
Applied MIF = -2.02 dB

RF audio interference level = 27.93 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 20.96 dBV/m	Grid 2 M4 24.54 dBV/m	Grid 3 M4 24.59 dBV/m
Grid 4 M4 25.41 dBV/m	Grid 5 M4 27.93 dBV/m	Grid 6 M4 27.84 dBV/m
Grid 7 M4 29.53 dBV/m	Grid 8 M3 30.65 dBV/m	Grid 9 M3 30.22 dBV/m



0 dB = 34.10 V/m = 30.66 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):

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 28.87 V/m; Power Drift = 0.09 dB

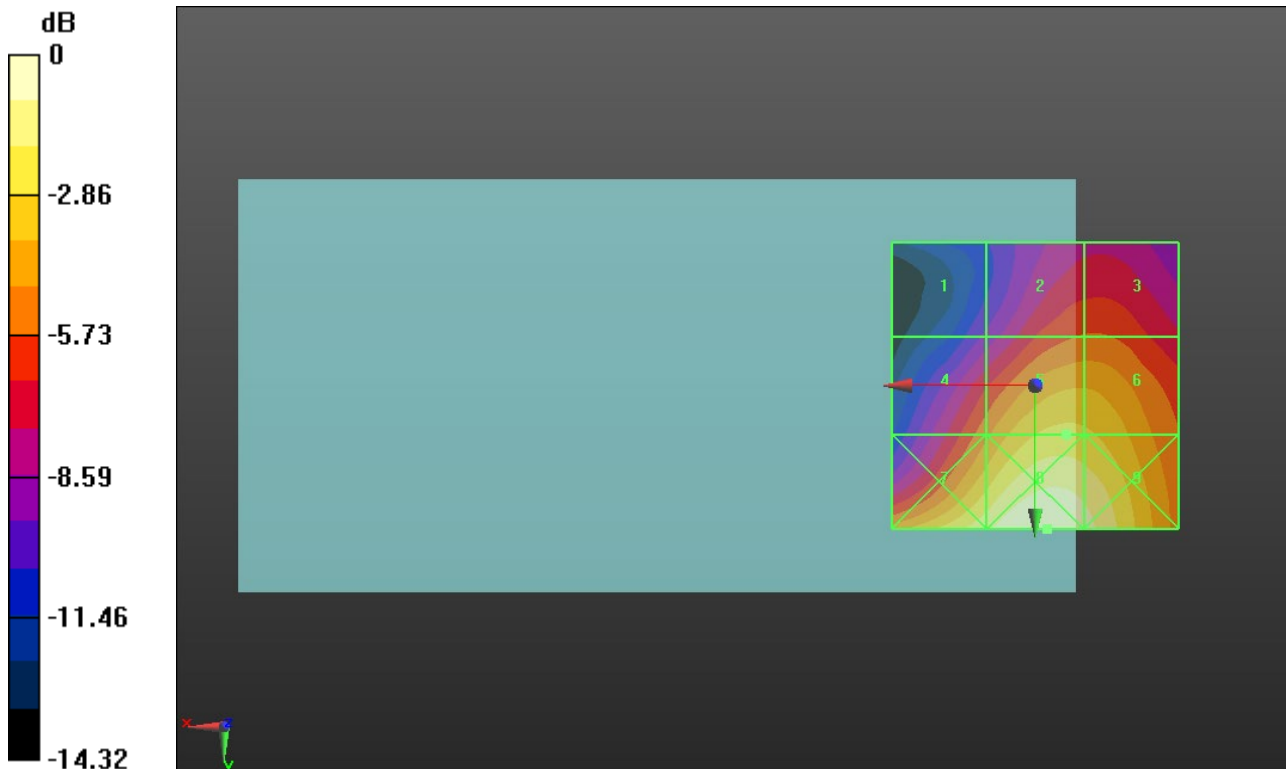
Applied MIF = -2.02 dB

RF audio interference level = 26.74 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 20.11 dBV/m	Grid 2 M4 23.65 dBV/m	Grid 3 M4 23.68 dBV/m
Grid 4 M4 24.29 dBV/m	Grid 5 M4 26.74 dBV/m	Grid 6 M4 26.61 dBV/m
Grid 7 M4 28.14 dBV/m	Grid 8 M4 29.27 dBV/m	Grid 9 M4 28.71 dBV/m



0 dB = 29.06 V/m = 29.27 dBV/m

HAC-RF Emission ANT4 Wi-Fi 2.4GHz

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

Phantom section: RF Section

DASY5 Configuration:

- Probe: EF3DV3 - SN4041; ConvF(1, 1, 1) @ 2422 MHz; Calibrated: 3/18/2020

- Sensor-Surface: (Fix Surface)

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

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

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

802.11g E-Field measurement/IEEE 802.11g_OFDM 54 Mbps Ch. 3/Hearing Aid Compatibility Test (101x101x1): Interpolated grid: dx=0.5000 mm, dy=0.5000 mm

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 26.36 V/m; Power Drift = -0.05 dB

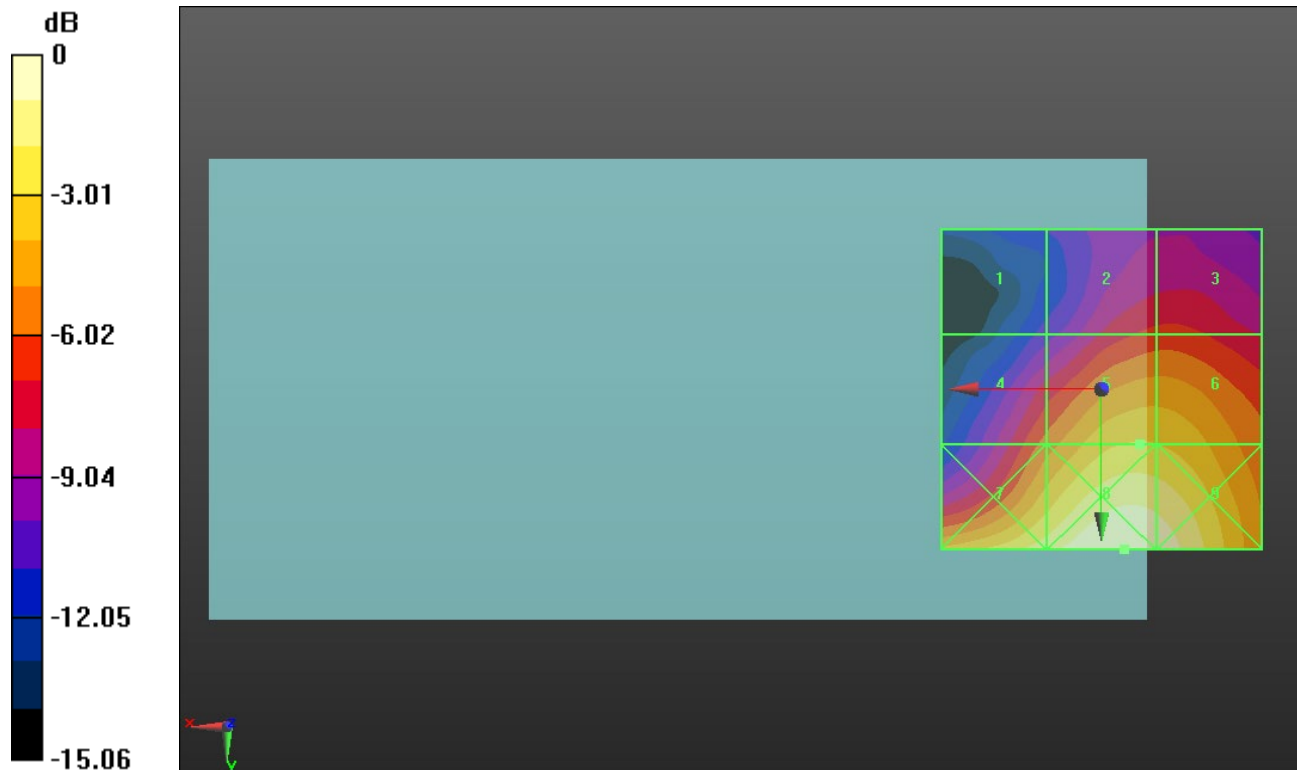
Applied MIF = 0.12 dB

RF audio interference level = 28.25 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 20.77 dBV/m	Grid 2 M4 24.49 dBV/m	Grid 3 M4 24.55 dBV/m
Grid 4 M4 25.65 dBV/m	Grid 5 M4 28.25 dBV/m	Grid 6 M4 28.17 dBV/m
Grid 7 M4 29.82 dBV/m	Grid 8 M3 31.16 dBV/m	Grid 9 M3 30.84 dBV/m



0 dB = 36.14 V/m = 31.16 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 = 32.70 V/m; Power Drift = 0.01 dB

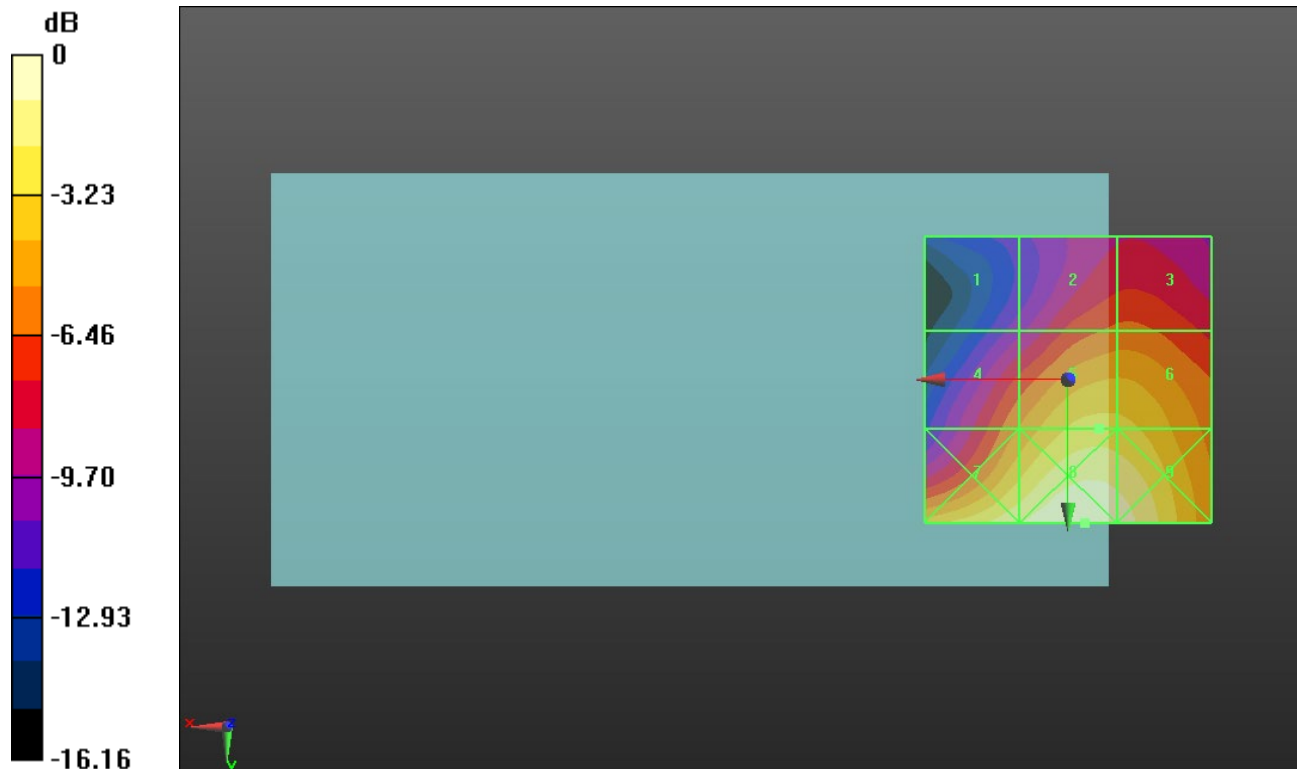
Applied MIF = 0.12 dB

RF audio interference level = 30.04 dBV/m

Emission category: **M3**

MIF scaled E-field

Grid 1 M4 22.84 dBV/m	Grid 2 M4 26.62 dBV/m	Grid 3 M4 26.68 dBV/m
Grid 4 M4 27.5 dBV/m	Grid 5 M3 30.04 dBV/m	Grid 6 M4 29.94 dBV/m
Grid 7 M3 31.64 dBV/m	Grid 8 M3 32.77 dBV/m	Grid 9 M3 32.34 dBV/m



0 dB = 43.50 V/m = 32.77 dBV/m

HAC-RF Emission ANT4 Wi-Fi 2.4GHz

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

Phantom section: RF Section

DASY5 Configuration:

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

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

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

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 31.01 V/m; Power Drift = -0.09 dB

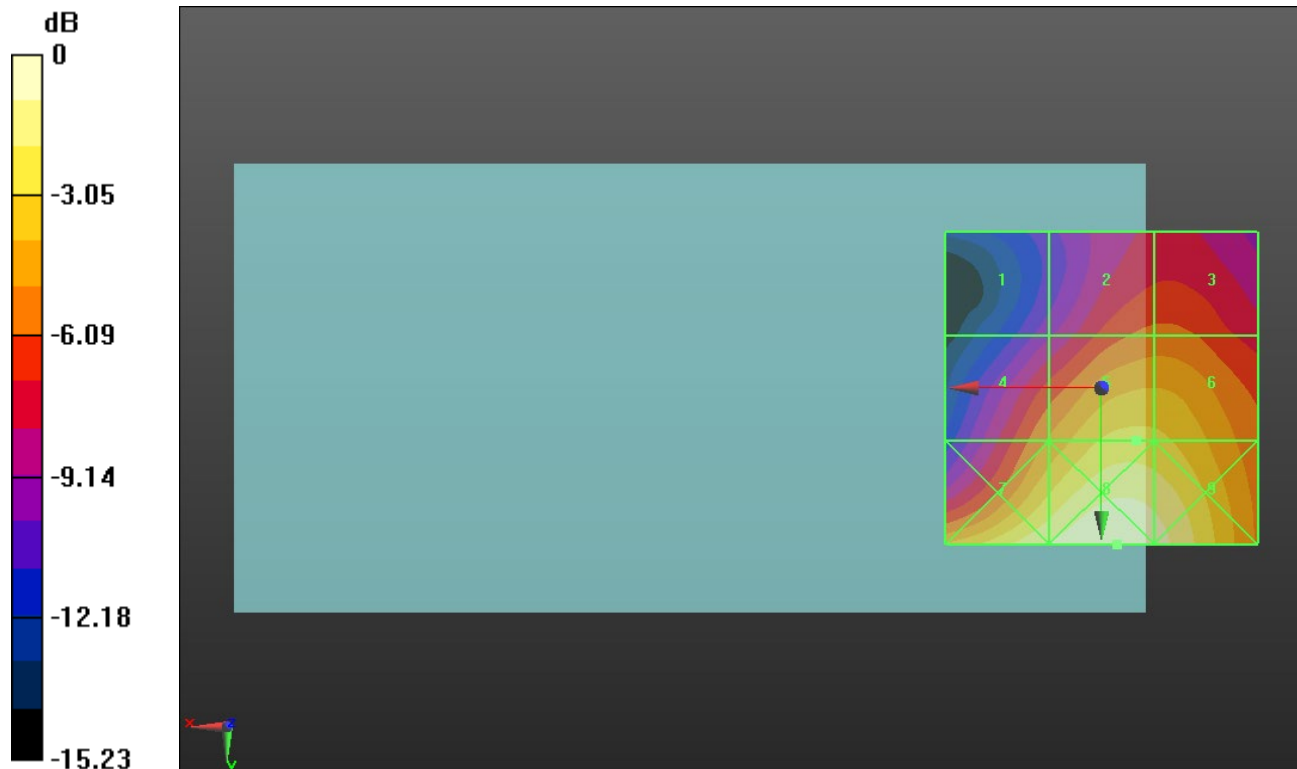
Applied MIF = 0.12 dB

RF audio interference level = 29.39 dBV/m

Emission category: **M4**

MIF scaled E-field

Grid 1 M4 22.69 dBV/m	Grid 2 M4 26.27 dBV/m	Grid 3 M4 26.29 dBV/m
Grid 4 M4 27.11 dBV/m	Grid 5 M4 29.39 dBV/m	Grid 6 M4 29.26 dBV/m
Grid 7 M3 31.06 dBV/m	Grid 8 M3 32.01 dBV/m	Grid 9 M3 31.5 dBV/m



0 dB = 39.88 V/m = 32.02 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 = 8.128 V/m; Power Drift = -0.71 dB

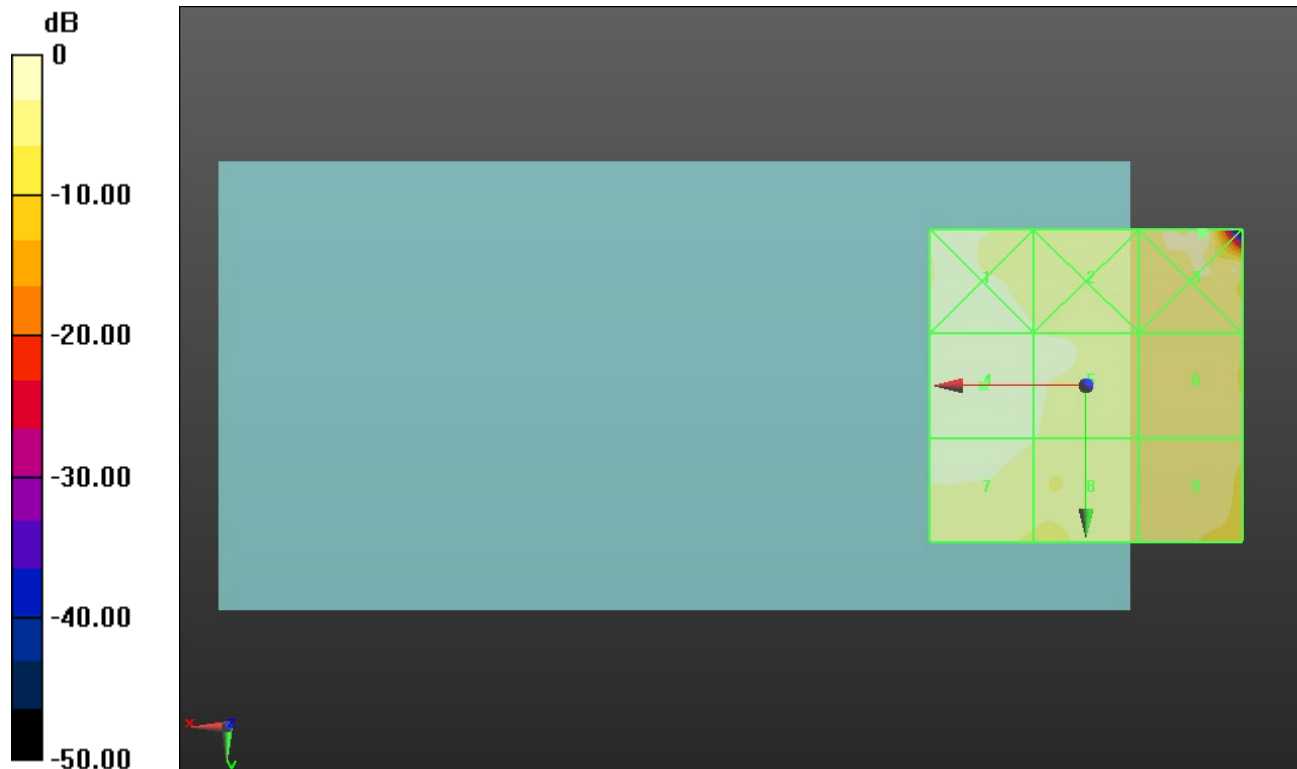
Applied MIF = -5.82 dB

RF audio interference level = 13.97 dBV/m

Emission category: **M4**

MIF scaled E-field

Grid 1 M4 12.88 dBV/m	Grid 2 M4 11.29 dBV/m	Grid 3 M4 14.37 dBV/m
Grid 4 M4 13.97 dBV/m	Grid 5 M4 12.6 dBV/m	Grid 6 M4 10.46 dBV/m
Grid 7 M4 13.36 dBV/m	Grid 8 M4 11.11 dBV/m	Grid 9 M4 9.93 dBV/m



0 dB = 5.233 V/m = 14.38 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 = 7.753 V/m; Power Drift = 0.13 dB

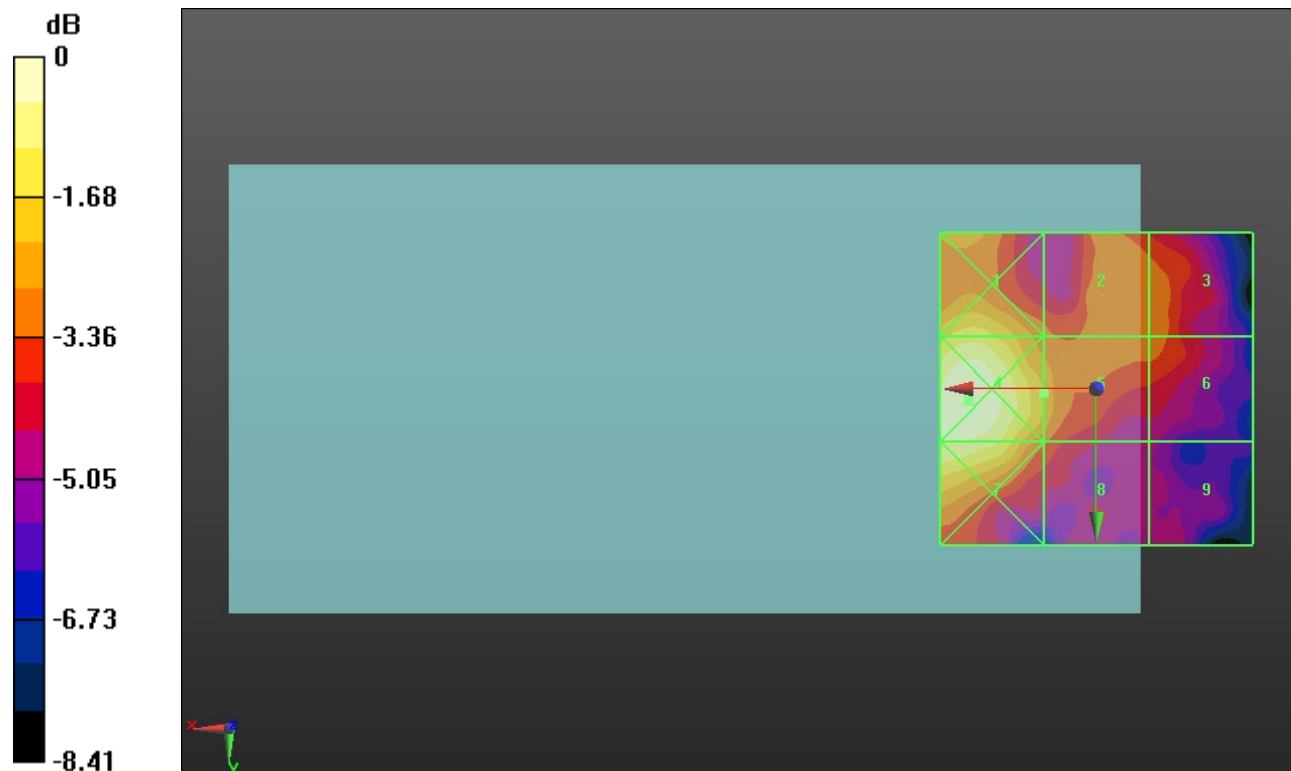
Applied MIF = -5.82 dB

RF audio interference level = 11.99 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 12.89 dBV/m	Grid 2 M4 11.46 dBV/m	Grid 3 M4 11.4 dBV/m
Grid 4 M4 14.25 dBV/m	Grid 5 M4 11.99 dBV/m	Grid 6 M4 11.22 dBV/m
Grid 7 M4 13.7 dBV/m	Grid 8 M4 11.04 dBV/m	Grid 9 M4 9.63 dBV/m



0 dB = 5.157 V/m = 14.25 dBV/m

HAC-RF Emission ANT5 Wi-Fi 5GHz

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

Phantom section: RF Section

DASY5 Configuration:

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

802.11a E-Field measurement/IEEE 802.11a_OFDM 6 Mbps Ch. 48/Hearing Aid

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

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 8.252 V/m; Power Drift = -0.20 dB

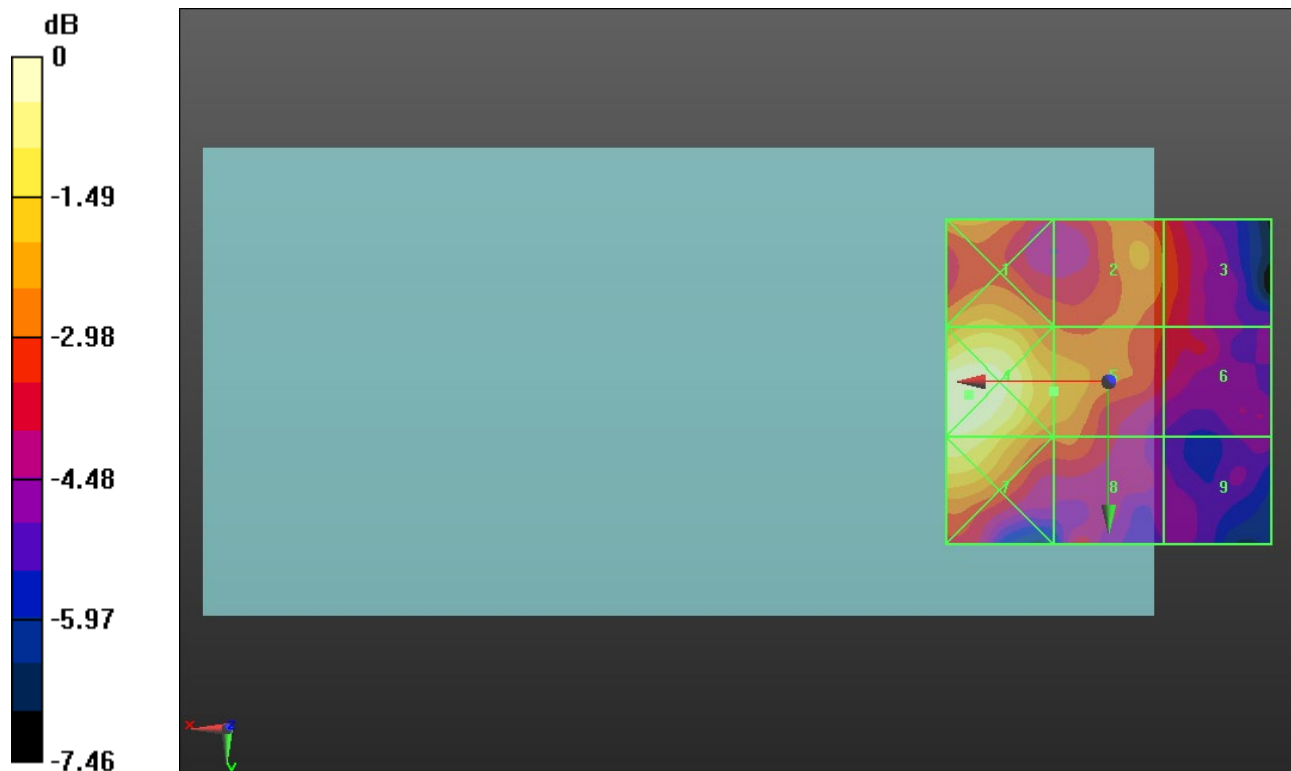
Applied MIF = -5.82 dB

RF audio interference level = 12.31 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 12.57 dBV/m	Grid 2 M4 11.97 dBV/m	Grid 3 M4 11.3 dBV/m
Grid 4 M4 14.29 dBV/m	Grid 5 M4 12.31 dBV/m	Grid 6 M4 10.87 dBV/m
Grid 7 M4 13.76 dBV/m	Grid 8 M4 11.47 dBV/m	Grid 9 M4 9.83 dBV/m



0 dB = 5.185 V/m = 14.29 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 = 8.275 V/m; Power Drift = 0.15 dB

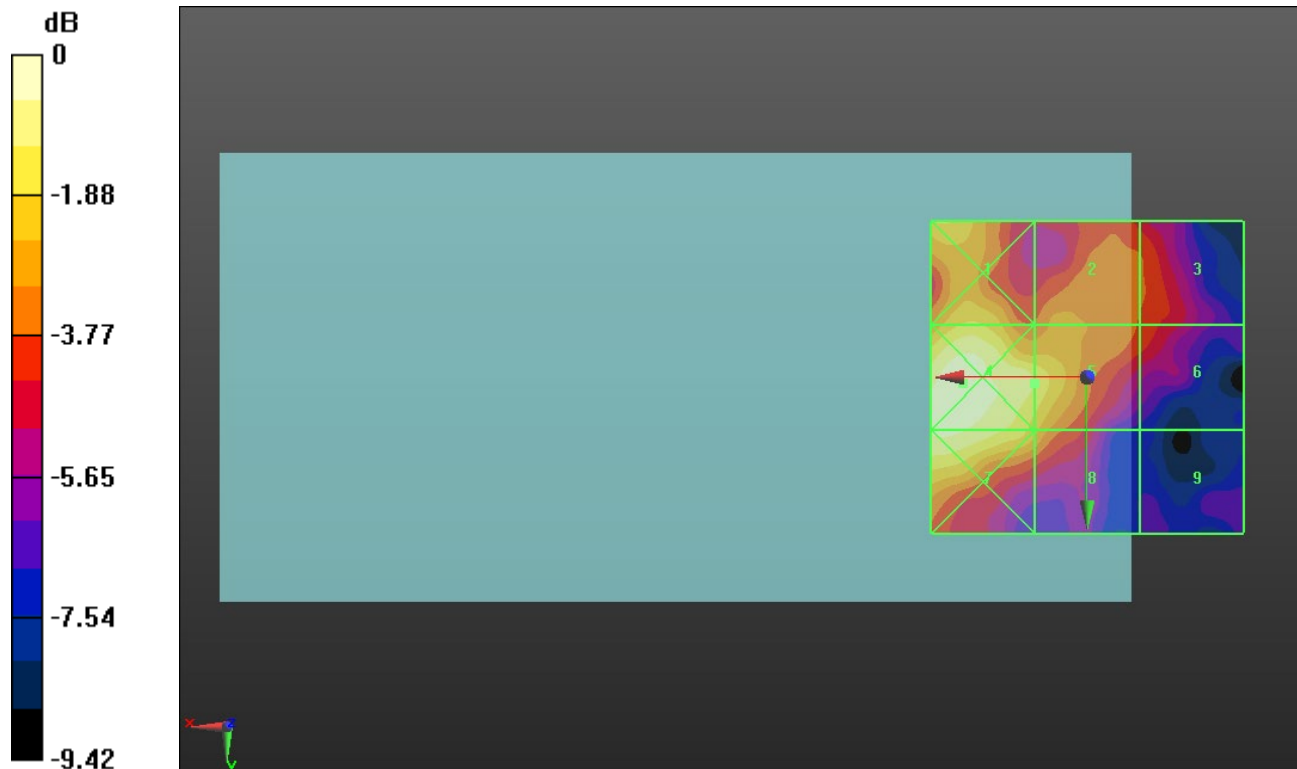
Applied MIF = -5.82 dB

RF audio interference level = 12.50 dBV/m

Emission category: **M4**

MIF scaled E-field

Grid 1 M4 12.01 dBV/m	Grid 2 M4 10.79 dBV/m	Grid 3 M4 10.12 dBV/m
Grid 4 M4 13.77 dBV/m	Grid 5 M4 12.5 dBV/m	Grid 6 M4 9.92 dBV/m
Grid 7 M4 13.29 dBV/m	Grid 8 M4 11.51 dBV/m	Grid 9 M4 7.52 dBV/m



0 dB = 4.878 V/m = 13.76 dBV/m

HAC-RF Emission ANT5 Wi-Fi 5GHz

Communication System: UID 10062 - CAC, IEEE 802.11a/h WiFi 5 GHz (OFDM, 6 Mbps); Frequency: 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 = 8.519 V/m; Power Drift = -0.11 dB

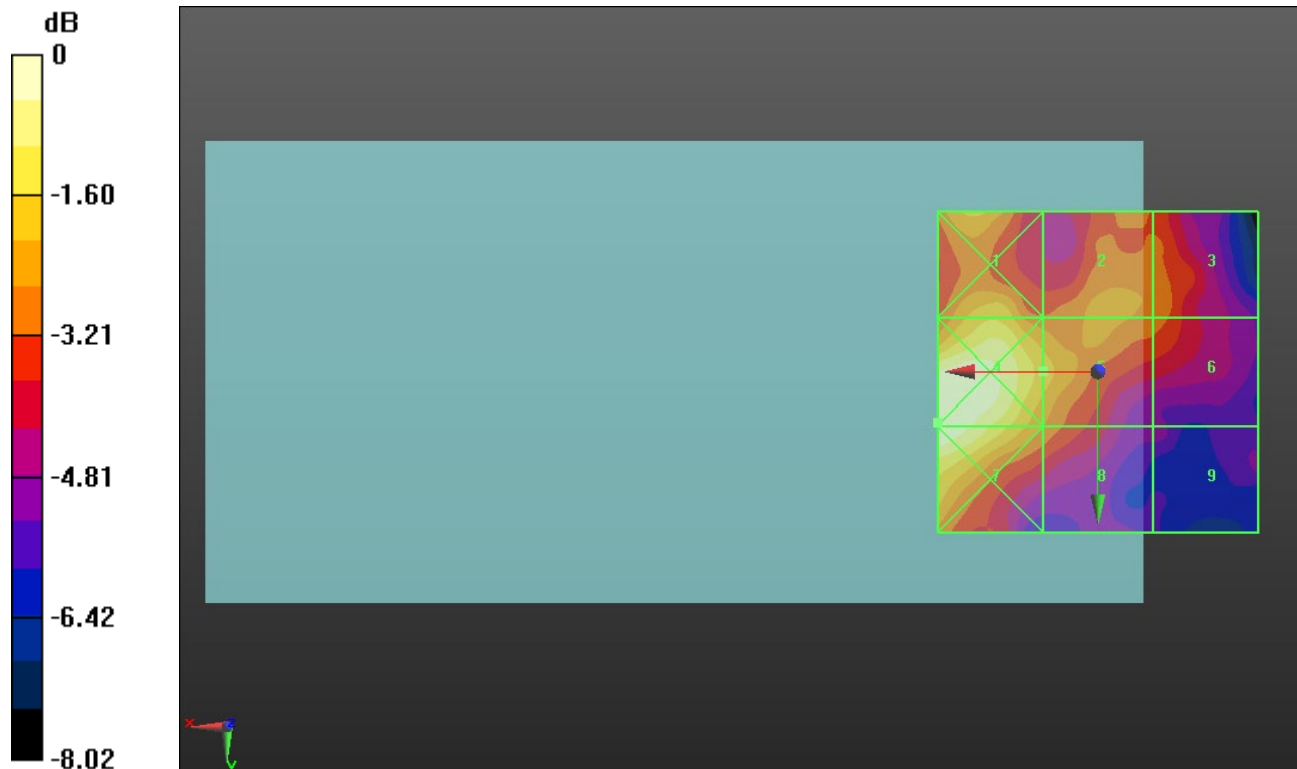
Applied MIF = -5.82 dB

RF audio interference level = 12.61 dBV/m

Emission category: **M4**

MIF scaled E-field

Grid 1 M4 12.81 dBV/m	Grid 2 M4 12.04 dBV/m	Grid 3 M4 11.75 dBV/m
Grid 4 M4 14.47 dBV/m	Grid 5 M4 12.61 dBV/m	Grid 6 M4 11.63 dBV/m
Grid 7 M4 14.47 dBV/m	Grid 8 M4 11.81 dBV/m	Grid 9 M4 9.33 dBV/m



0 dB = 5.292 V/m = 14.47 dBV/m

HAC-RF Emission ANT5 Wi-Fi 5GHz

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

Phantom section: RF Section

DASY5 Configuration:

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

802.11a E-Field measurement/IEEE 802.11a_OFDM 6 Mbps Ch. 60/Hearing Aid Compatibility Test (101x101x1): Interpolated grid: dx=0.5000 mm, dy=0.5000 mm

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 9.360 V/m; Power Drift = -0.09 dB

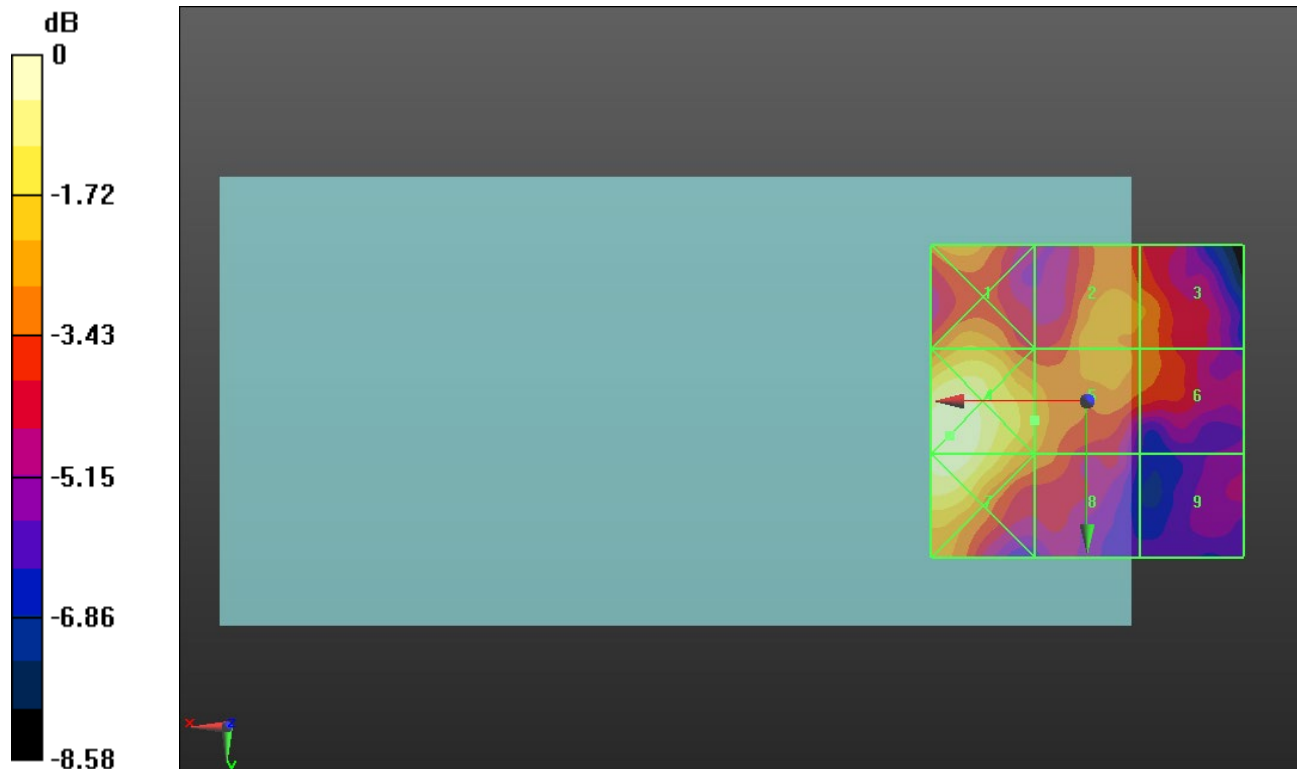
Applied MIF = -5.82 dB

RF audio interference level = 12.80 dBV/m

Emission category: **M4**

MIF scaled E-field

Grid 1 M4 12.86 dBV/m	Grid 2 M4 12.6 dBV/m	Grid 3 M4 12.25 dBV/m
Grid 4 M4 15.03 dBV/m	Grid 5 M4 12.8 dBV/m	Grid 6 M4 12.06 dBV/m
Grid 7 M4 14.9 dBV/m	Grid 8 M4 12.14 dBV/m	Grid 9 M4 10.03 dBV/m



0 dB = 5.642 V/m = 15.03 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 = 9.116 V/m; Power Drift = -0.07 dB

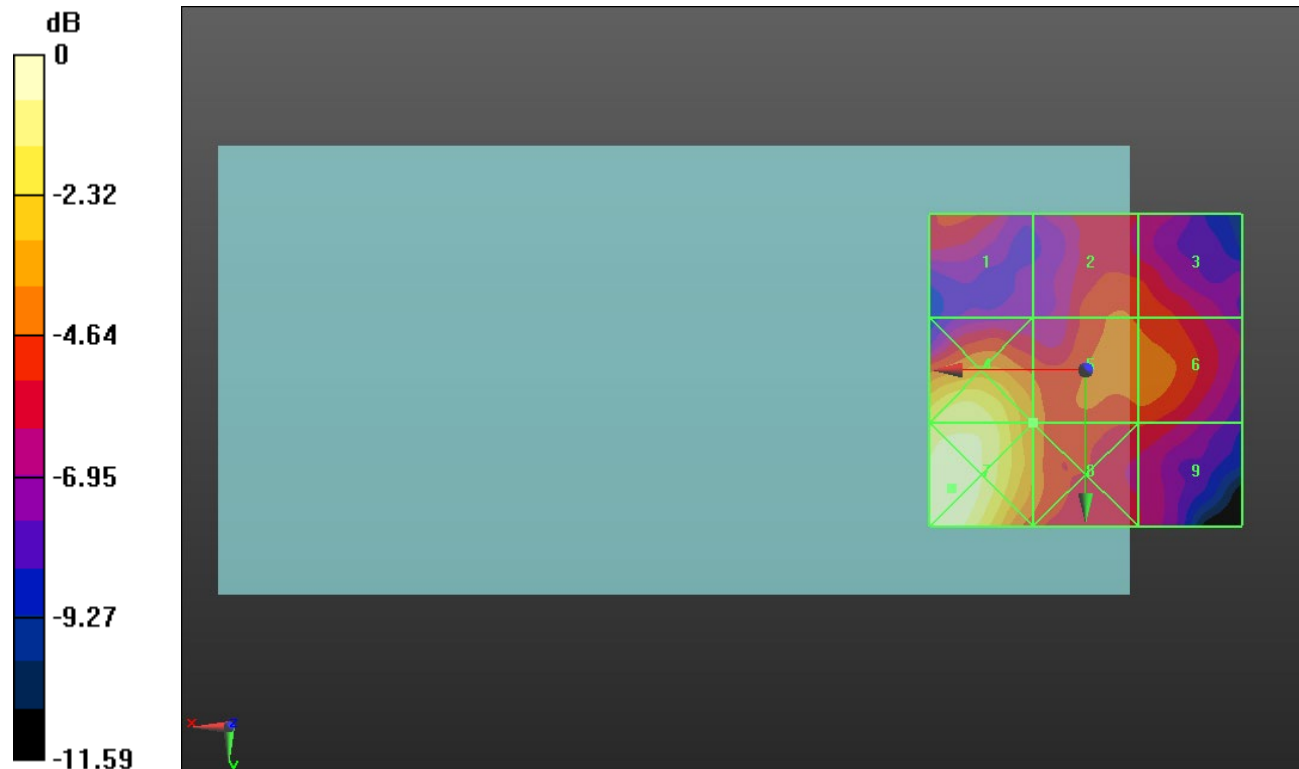
Applied MIF = -5.82 dB

RF audio interference level = 12.96 dBV/m

Emission category: **M4**

MIF scaled E-field

Grid 1 M4 11.6 dBV/m	Grid 2 M4 12.25 dBV/m	Grid 3 M4 12.06 dBV/m
Grid 4 M4 15.83 dBV/m	Grid 5 M4 12.96 dBV/m	Grid 6 M4 12.62 dBV/m
Grid 7 M4 16.78 dBV/m	Grid 8 M4 13.12 dBV/m	Grid 9 M4 11.5 dBV/m



0 dB = 6.905 V/m = 16.78 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 = 7.814 V/m; Power Drift = -0.18 dB

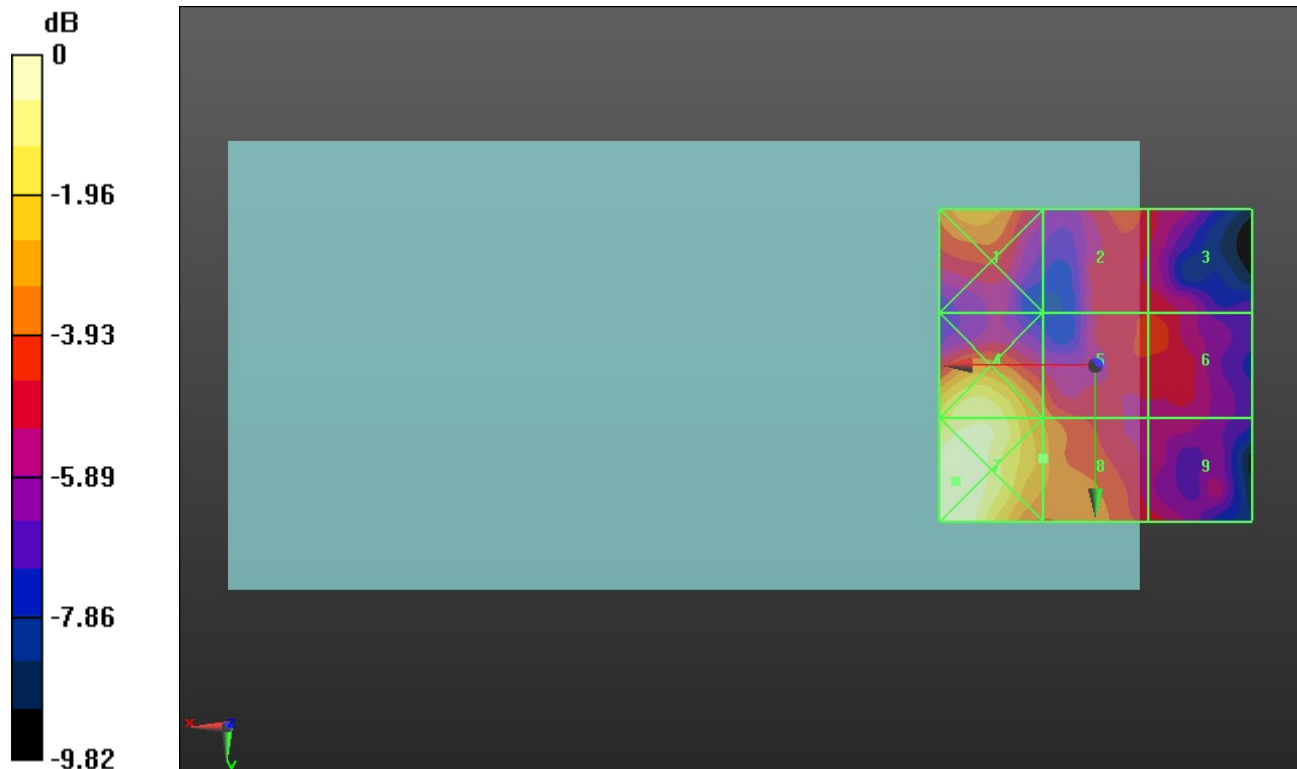
Applied MIF = -5.82 dB

RF audio interference level = 12.15 dBV/m

Emission category: **M4**

MIF scaled E-field

Grid 1 M4 12.29 dBV/m	Grid 2 M4 10.95 dBV/m	Grid 3 M4 10.48 dBV/m
Grid 4 M4 14.37 dBV/m	Grid 5 M4 11.68 dBV/m	Grid 6 M4 10.88 dBV/m
Grid 7 M4 15.06 dBV/m	Grid 8 M4 12.15 dBV/m	Grid 9 M4 10.35 dBV/m



0 dB = 5.663 V/m = 15.06 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 = 7.571 V/m; Power Drift = -0.19 dB

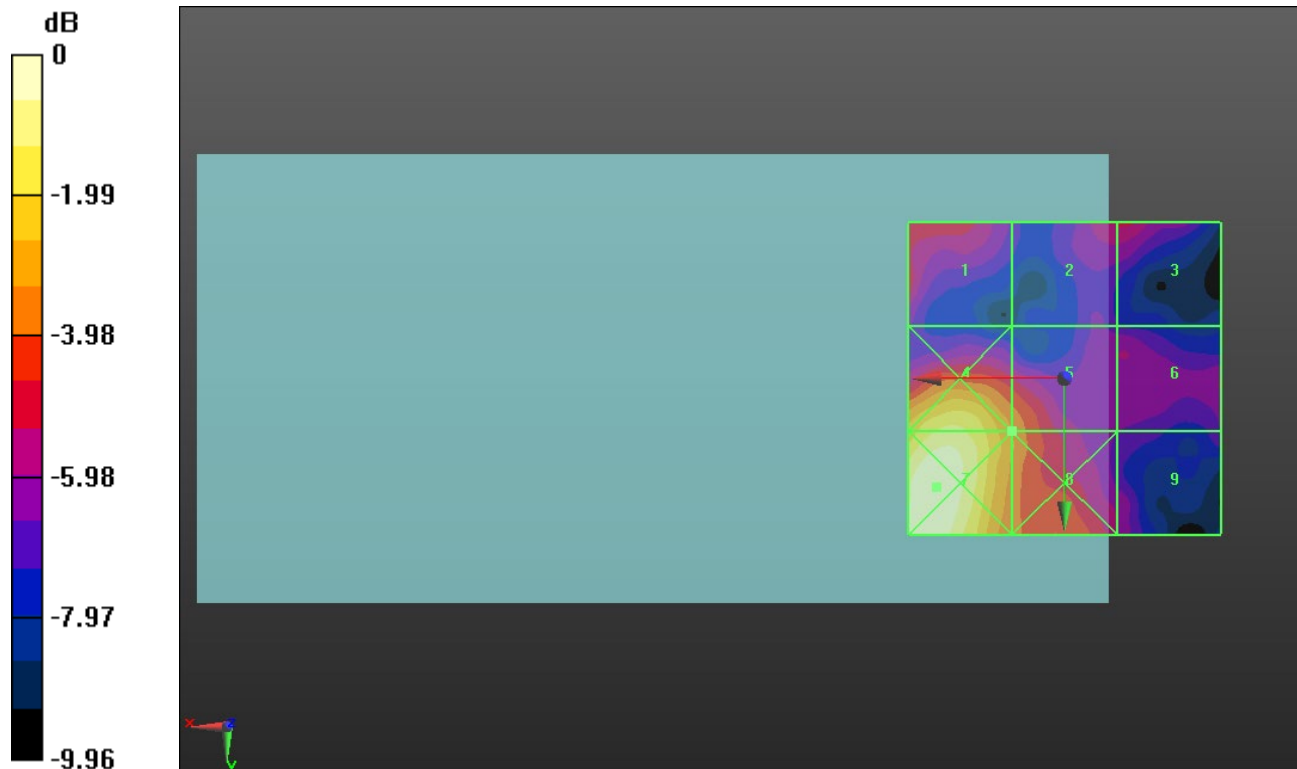
Applied MIF = -5.82 dB

RF audio interference level = 12.86 dBV/m

Emission category: **M4**

MIF scaled E-field

Grid 1 M4 11.42 dBV/m	Grid 2 M4 10.96 dBV/m	Grid 3 M4 10.99 dBV/m
Grid 4 M4 15.03 dBV/m	Grid 5 M4 12.86 dBV/m	Grid 6 M4 10.26 dBV/m
Grid 7 M4 16.14 dBV/m	Grid 8 M4 12.97 dBV/m	Grid 9 M4 10.24 dBV/m



0 dB = 6.411 V/m = 16.14 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 = 7.864 V/m; Power Drift = 0.03 dB

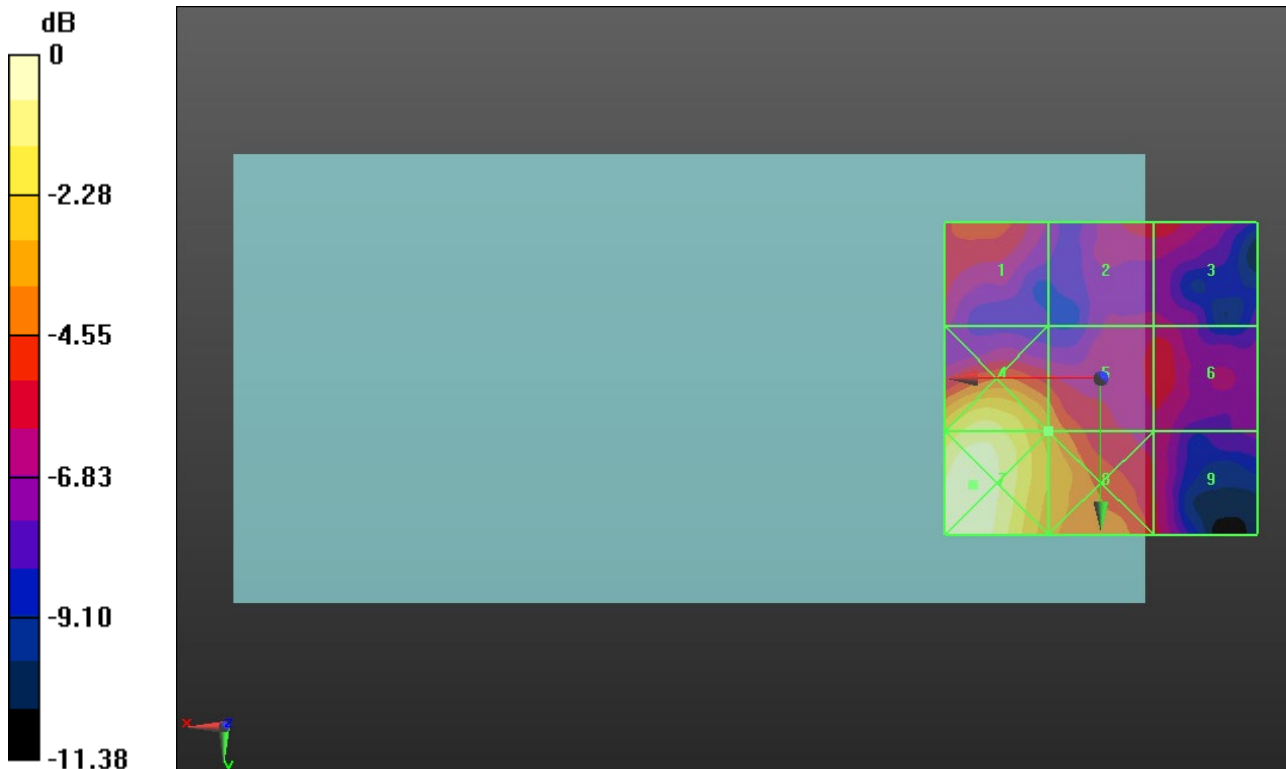
Applied MIF = -5.82 dB

RF audio interference level = 13.03 dBV/m

Emission category: **M4**

MIF scaled E-field

Grid 1 M4 11.76 dBV/m	Grid 2 M4 11.18 dBV/m	Grid 3 M4 11.2 dBV/m
Grid 4 M4 15.44 dBV/m	Grid 5 M4 13.03 dBV/m	Grid 6 M4 10.93 dBV/m
Grid 7 M4 16.53 dBV/m	Grid 8 M4 13.56 dBV/m	Grid 9 M4 11.04 dBV/m



0 dB = 6.706 V/m = 16.53 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 = 8.661 V/m; Power Drift = 0.10 dB

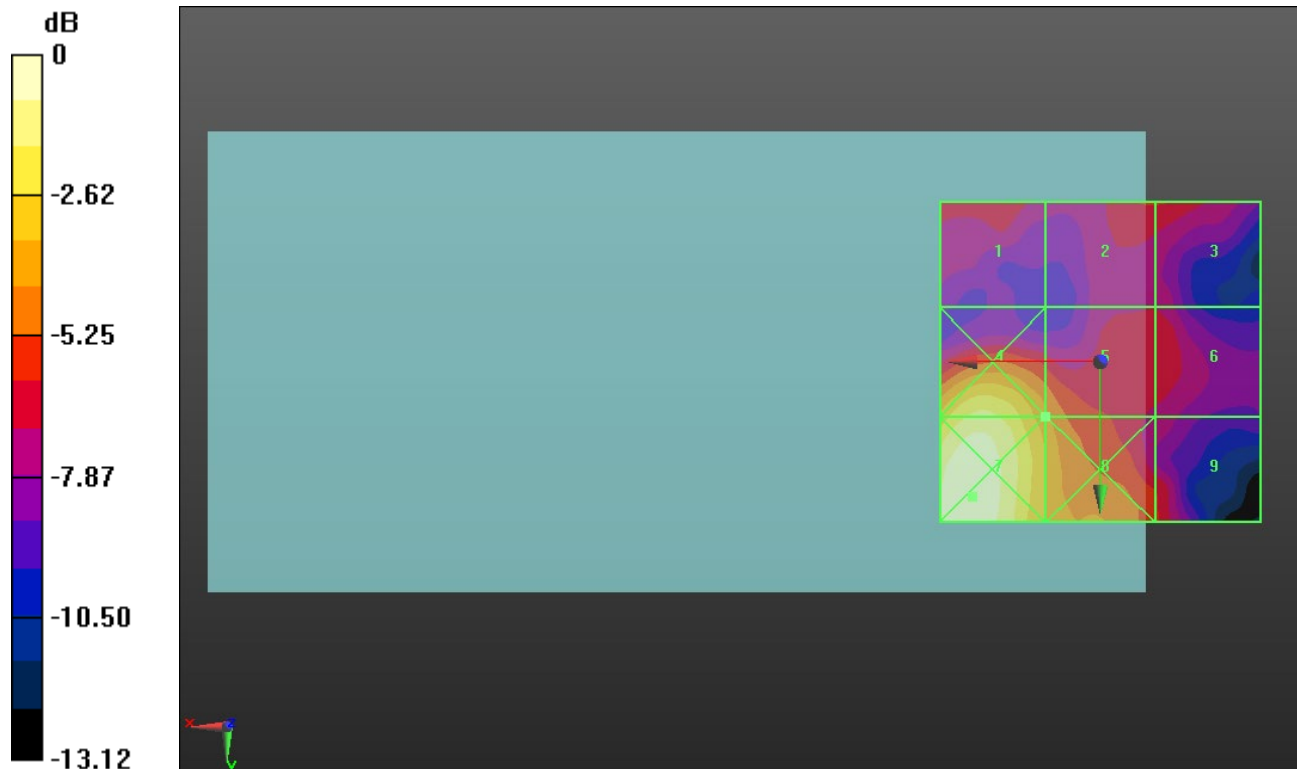
Applied MIF = -5.82 dB

RF audio interference level = 13.52 dBV/m

Emission category: **M4**

MIF scaled E-field

Grid 1 M4 11.43 dBV/m	Grid 2 M4 11.67 dBV/m	Grid 3 M4 11.67 dBV/m
Grid 4 M4 16.17 dBV/m	Grid 5 M4 13.52 dBV/m	Grid 6 M4 11.4 dBV/m
Grid 7 M4 17.64 dBV/m	Grid 8 M4 14.23 dBV/m	Grid 9 M4 11.87 dBV/m



0 dB = 7.619 V/m = 17.64 dBV/m

HAC-RF Emission ANT5 Wi-Fi 5GHz

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

Phantom section: RF Section

DASY5 Configuration:

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

802.11a E-Field measurement/IEEE 802.11a_OFDM 6 Mbps Ch. 165/Hearing Aid Compatibility Test (101x101x1):

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

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 8.474 V/m; Power Drift = 0.19 dB

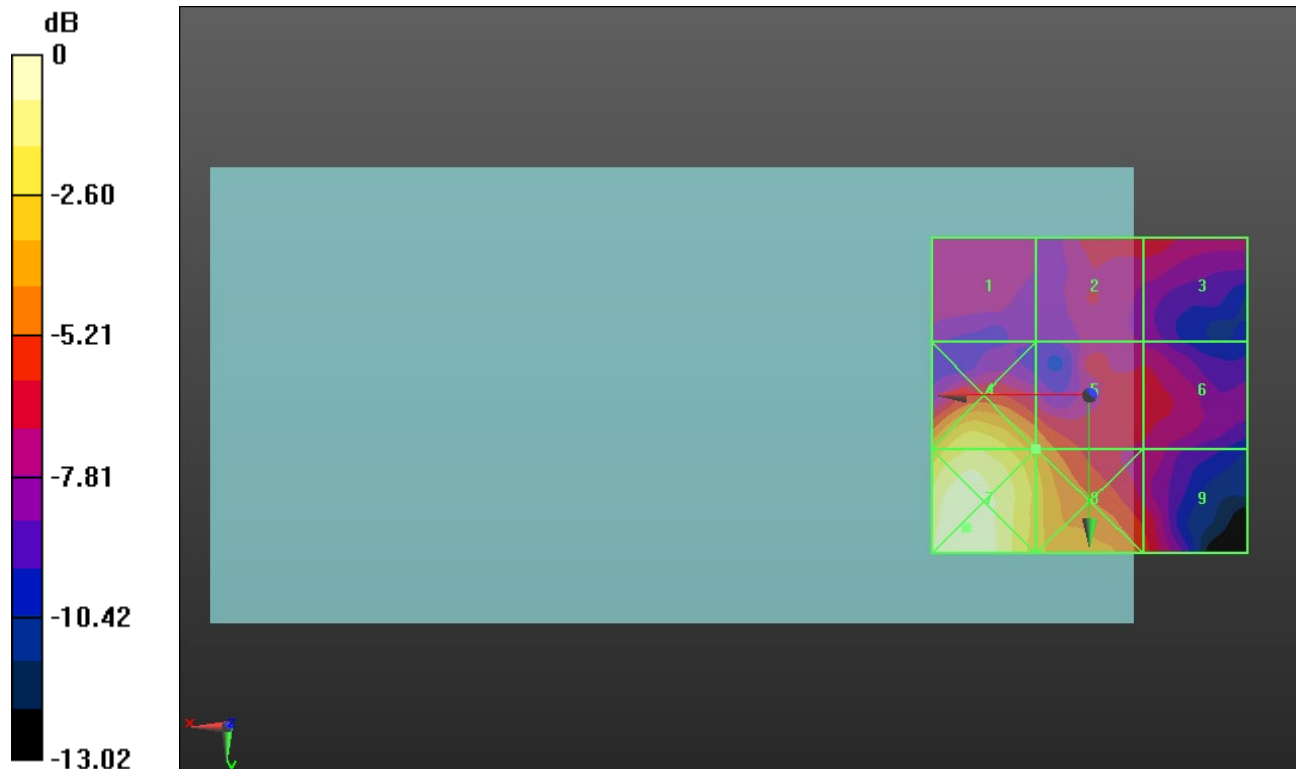
Applied MIF = -5.82 dB

RF audio interference level = 13.91 dBV/m

Emission category: **M4**

MIF scaled E-field

Grid 1 M4 10.99 dBV/m	Grid 2 M4 11.94 dBV/m	Grid 3 M4 11.93 dBV/m
Grid 4 M4 16.25 dBV/m	Grid 5 M4 13.91 dBV/m	Grid 6 M4 11.31 dBV/m
Grid 7 M4 17.91 dBV/m	Grid 8 M4 15.02 dBV/m	Grid 9 M4 12.38 dBV/m



0 dB = 7.859 V/m = 17.91 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 = 7.385 V/m; Power Drift = -0.21 dB

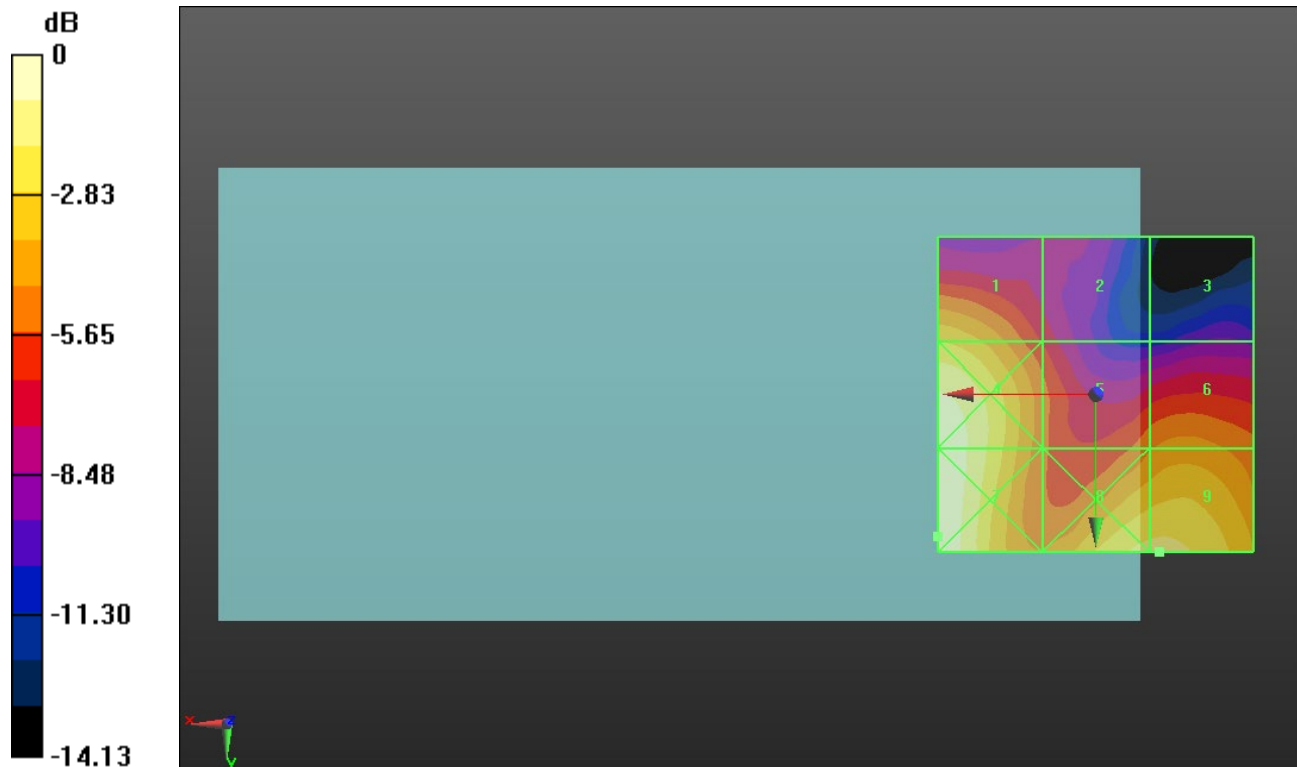
Applied MIF = -1.44 dB

RF audio interference level = 22.57 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 21.25 dBV/m	Grid 2 M4 17.41 dBV/m	Grid 3 M4 14.88 dBV/m
Grid 4 M4 23.95 dBV/m	Grid 5 M4 19.22 dBV/m	Grid 6 M4 19.78 dBV/m
Grid 7 M4 24.07 dBV/m	Grid 8 M4 22.54 dBV/m	Grid 9 M4 22.57 dBV/m



0 dB = 15.98 V/m = 24.07 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 = 7.735 V/m; Power Drift = -0.27 dB

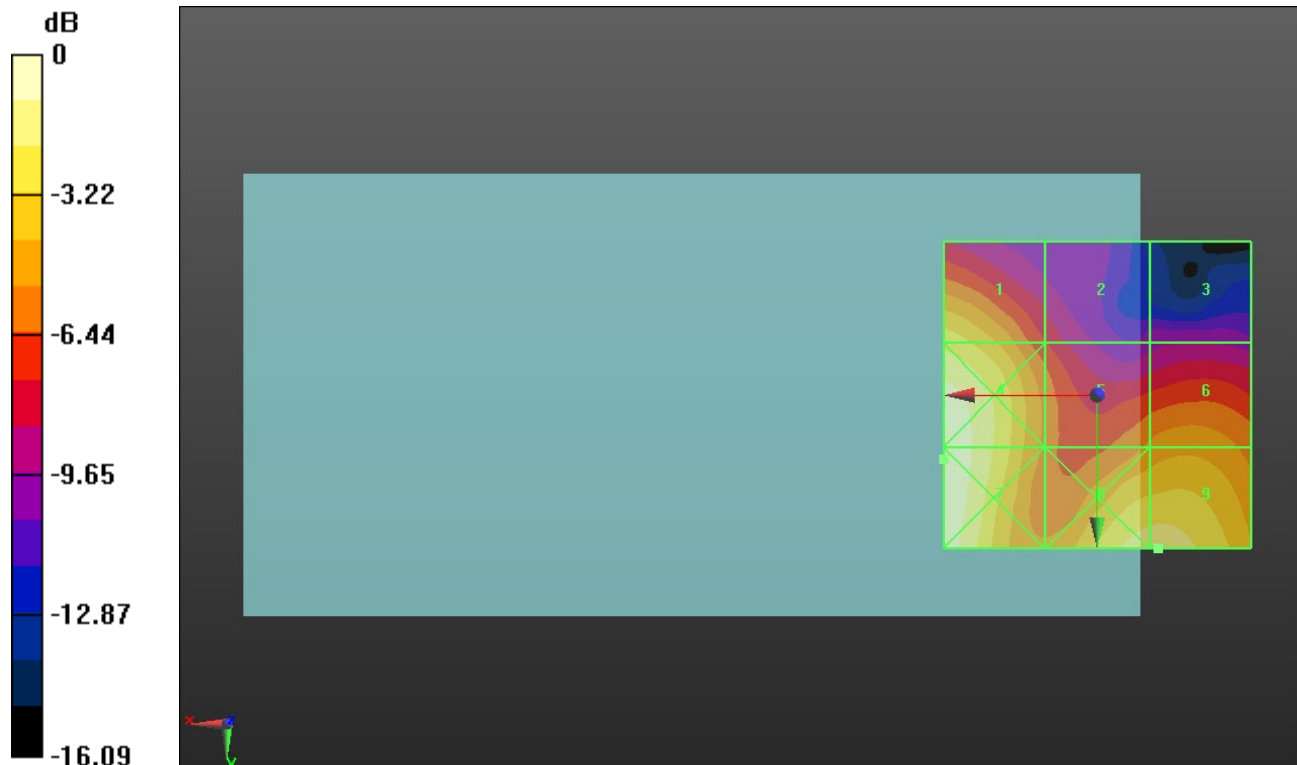
Applied MIF = -1.44 dB

RF audio interference level = 22.23 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 21.41 dBV/m	Grid 2 M4 16.5 dBV/m	Grid 3 M4 14.22 dBV/m
Grid 4 M4 23.82 dBV/m	Grid 5 M4 18.77 dBV/m	Grid 6 M4 19.3 dBV/m
Grid 7 M4 23.85 dBV/m	Grid 8 M4 22.22 dBV/m	Grid 9 M4 22.23 dBV/m



0 dB = 15.58 V/m = 23.85 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 = 7.951 V/m; Power Drift = -0.64 dB

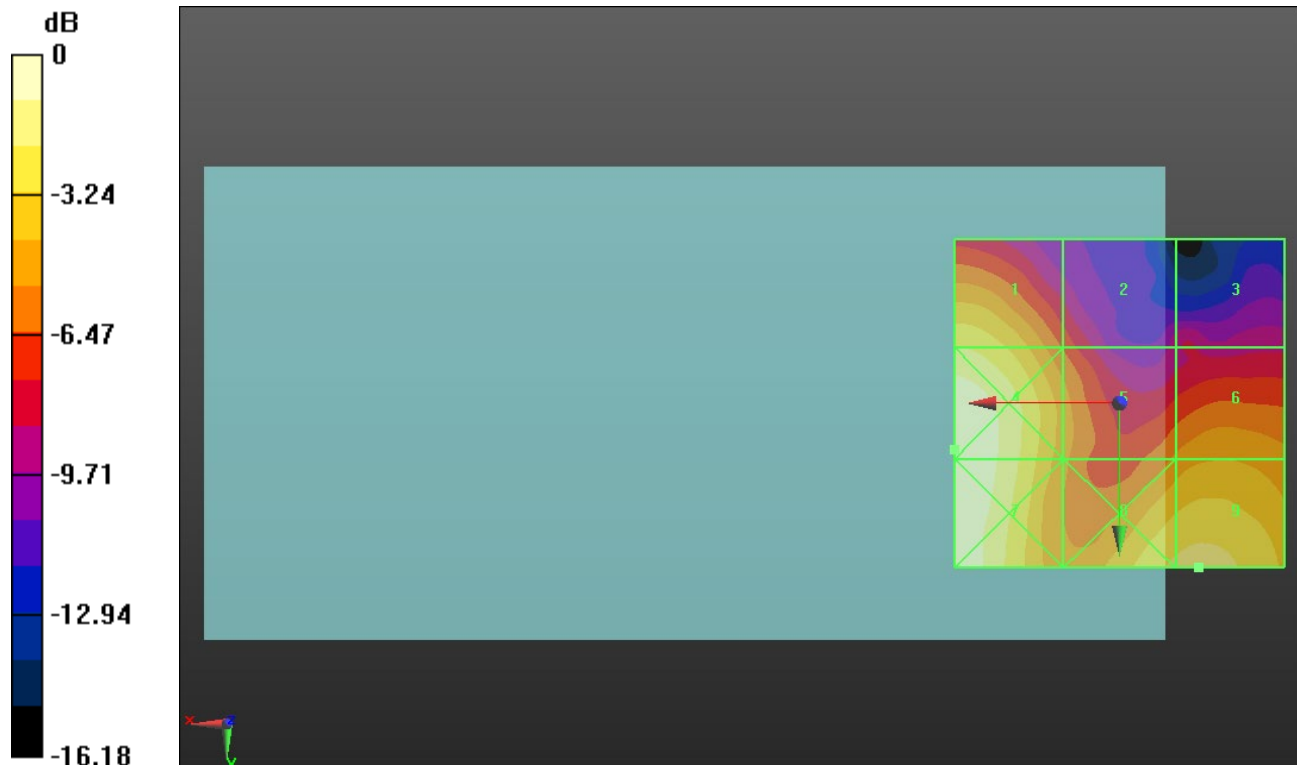
Applied MIF = -1.44 dB

RF audio interference level = 22.16 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 21.74 dBV/m	Grid 2 M4 17.28 dBV/m	Grid 3 M4 15.39 dBV/m
Grid 4 M4 23.86 dBV/m	Grid 5 M4 19.12 dBV/m	Grid 6 M4 19.55 dBV/m
Grid 7 M4 23.85 dBV/m	Grid 8 M4 21.95 dBV/m	Grid 9 M4 22.16 dBV/m



0 dB = 15.59 V/m = 23.86 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 = 7.534 V/m; Power Drift = -0.57 dB

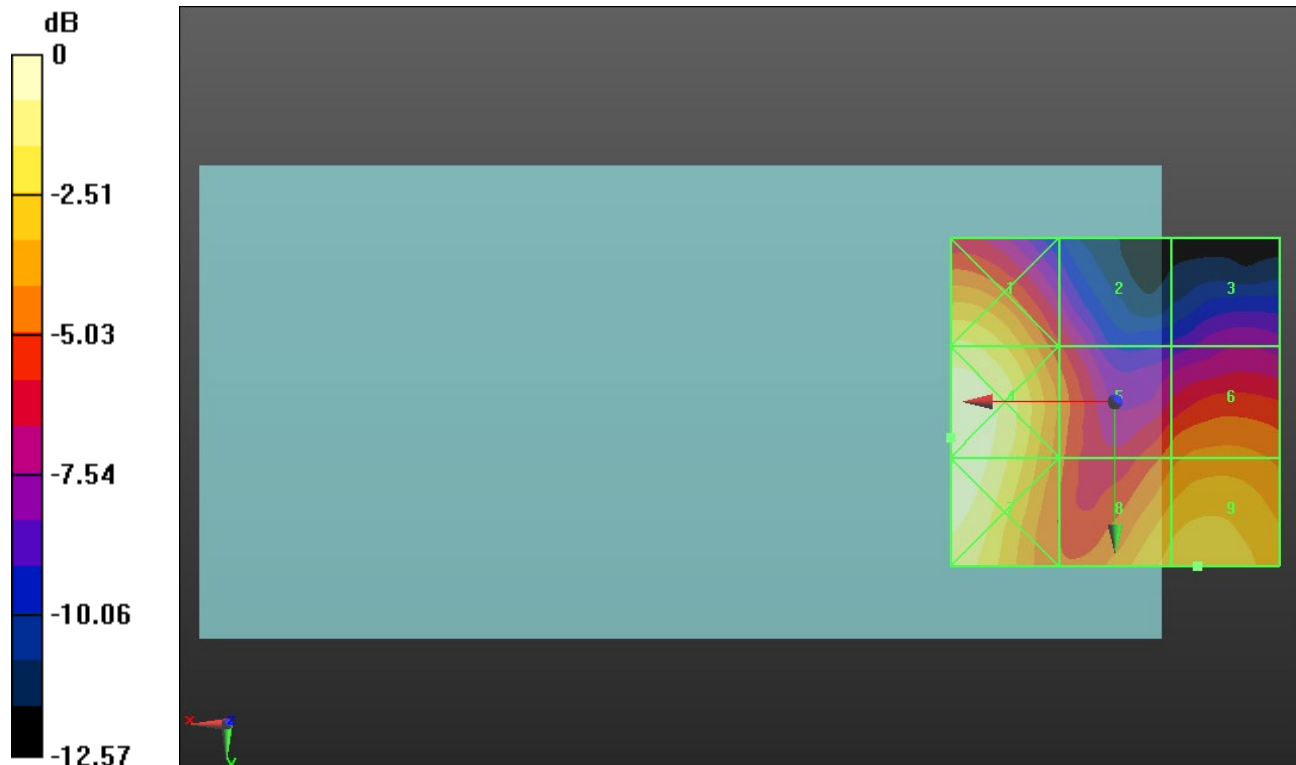
Applied MIF = -1.44 dB

RF audio interference level = 21.52 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 21.95 dBV/m	Grid 2 M4 17.75 dBV/m	Grid 3 M4 15.92 dBV/m
Grid 4 M4 23.42 dBV/m	Grid 5 M4 19.14 dBV/m	Grid 6 M4 19.61 dBV/m
Grid 7 M4 23.34 dBV/m	Grid 8 M4 21.24 dBV/m	Grid 9 M4 21.52 dBV/m



0 dB = 14.82 V/m = 23.42 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 = 6.979 V/m; Power Drift = -0.11 dB

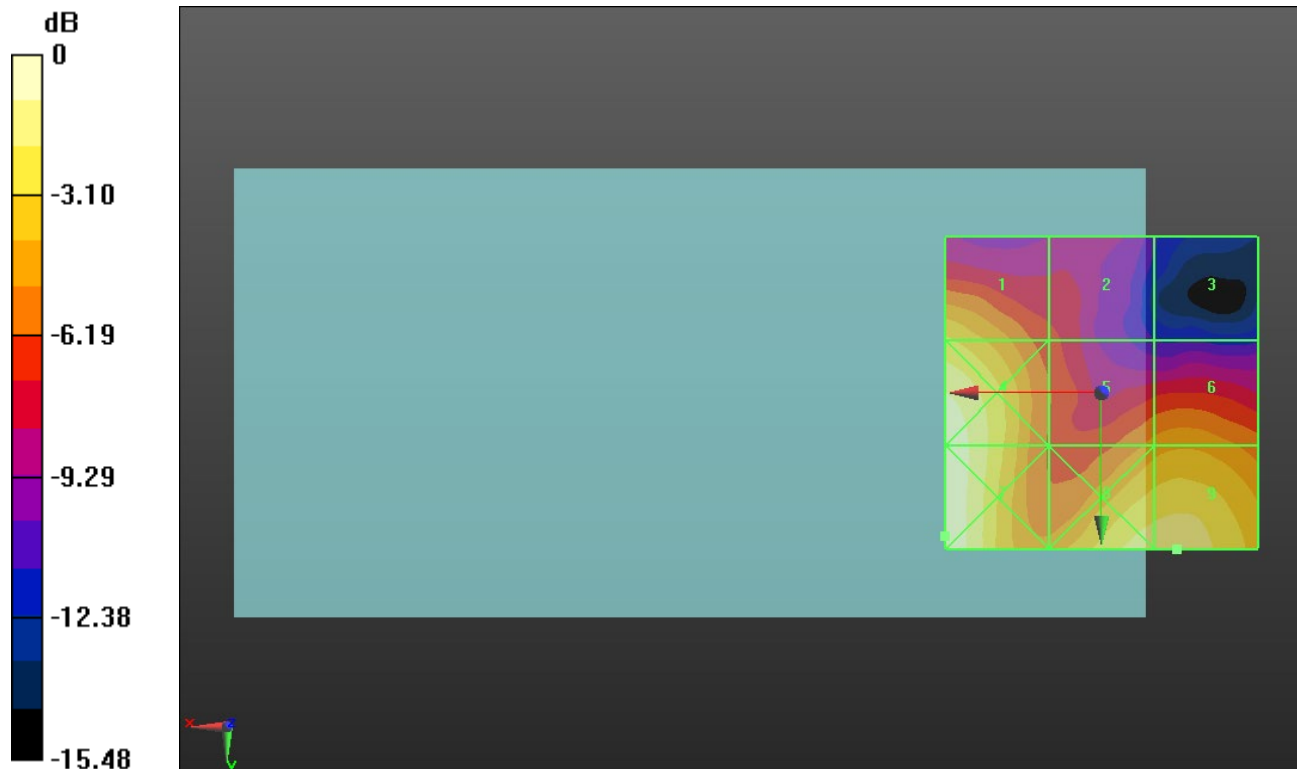
Applied MIF = -1.44 dB

RF audio interference level = 21.24 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 19.86 dBV/m	Grid 2 M4 15.91 dBV/m	Grid 3 M4 11.64 dBV/m
Grid 4 M4 22.56 dBV/m	Grid 5 M4 18.08 dBV/m	Grid 6 M4 18.5 dBV/m
Grid 7 M4 22.74 dBV/m	Grid 8 M4 21.19 dBV/m	Grid 9 M4 21.24 dBV/m



0 dB = 13.71 V/m = 22.74 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 = 7.215 V/m; Power Drift = 0.00 dB

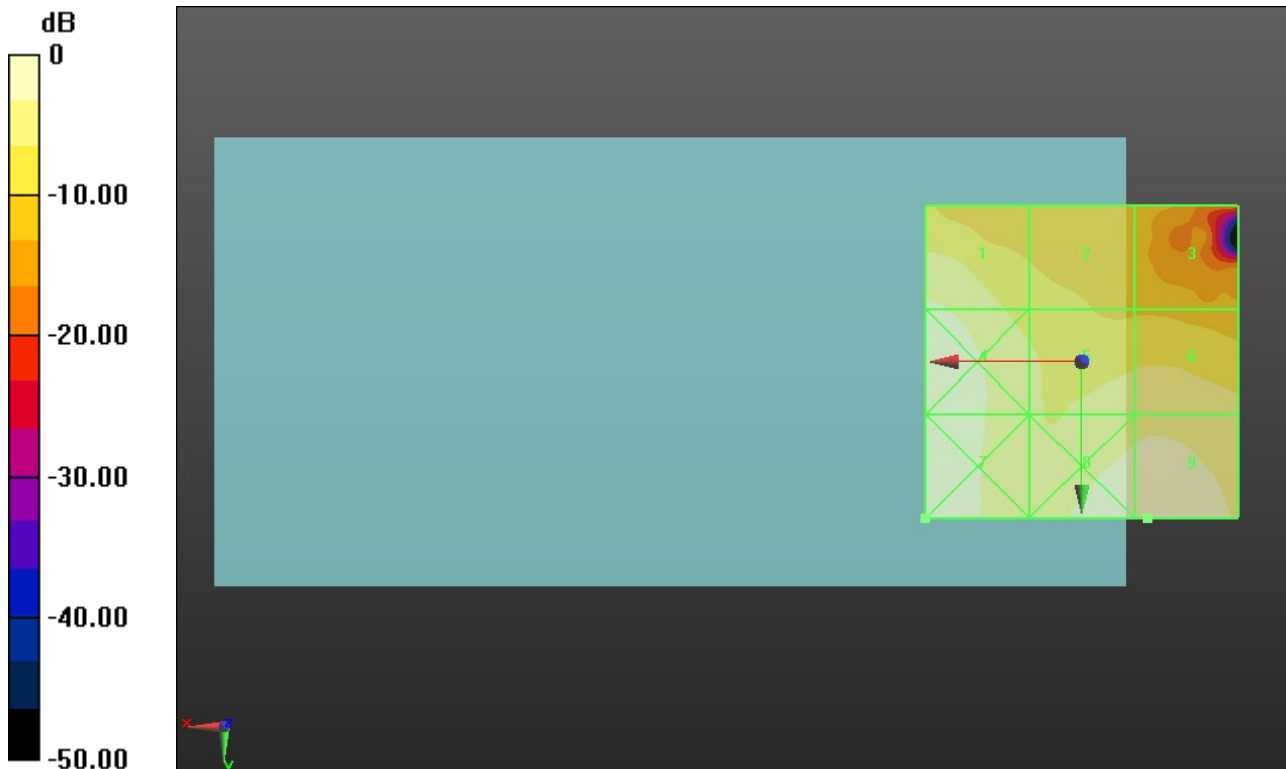
Applied MIF = -1.44 dB

RF audio interference level = 20.99 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 19.41 dBV/m	Grid 2 M4 14.29 dBV/m	Grid 3 M4 11.82 dBV/m
Grid 4 M4 22.01 dBV/m	Grid 5 M4 17.92 dBV/m	Grid 6 M4 18.2 dBV/m
Grid 7 M4 22.3 dBV/m	Grid 8 M4 20.96 dBV/m	Grid 9 M4 20.99 dBV/m



0 dB = 13.03 V/m = 22.30 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 = 6.386 V/m; Power Drift = -0.11 dB

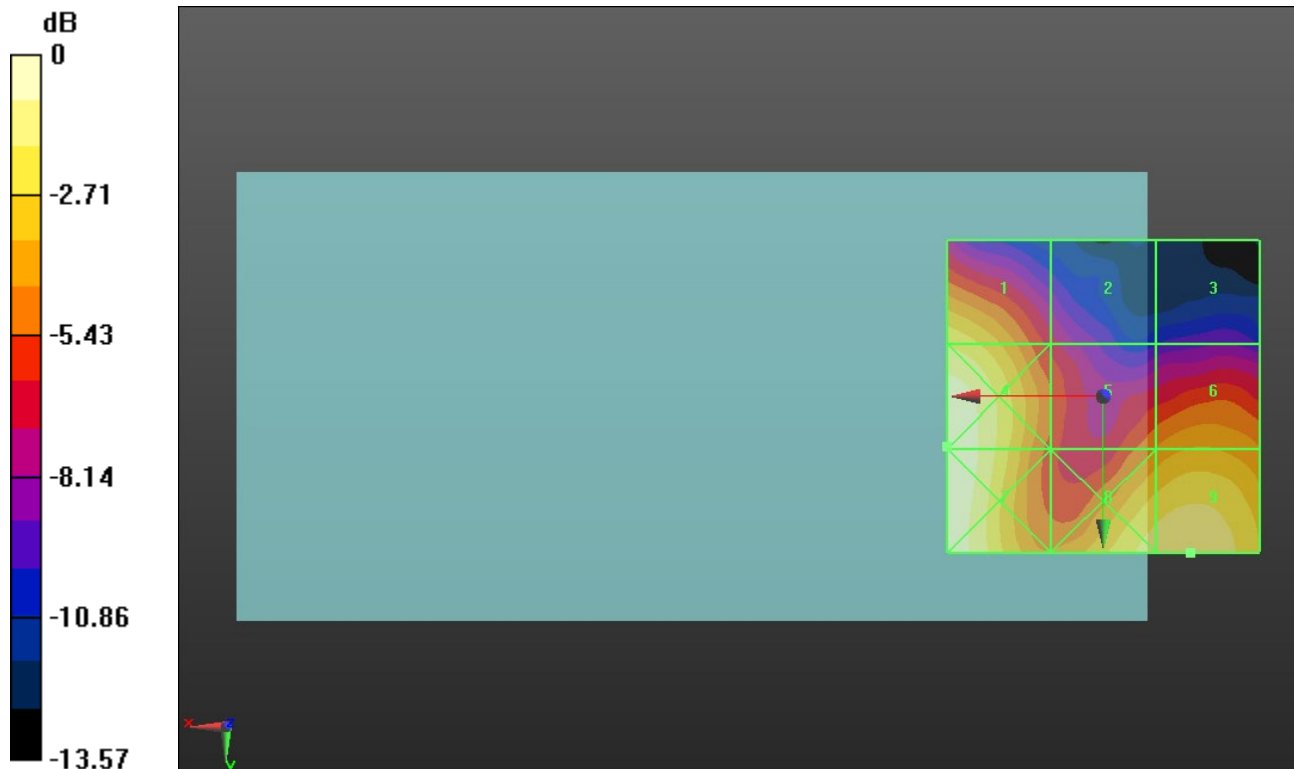
Applied MIF = -1.44 dB

RF audio interference level = 20.64 dBV/m

Emission category: **M4**

MIF scaled E-field

Grid 1 M4 19.67 dBV/m	Grid 2 M4 14.88 dBV/m	Grid 3 M4 12.56 dBV/m
Grid 4 M4 21.56 dBV/m	Grid 5 M4 17.18 dBV/m	Grid 6 M4 18.08 dBV/m
Grid 7 M4 21.56 dBV/m	Grid 8 M4 20.27 dBV/m	Grid 9 M4 20.64 dBV/m



0 dB = 11.97 V/m = 21.56 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 = 6.045 V/m; Power Drift = -0.04 dB

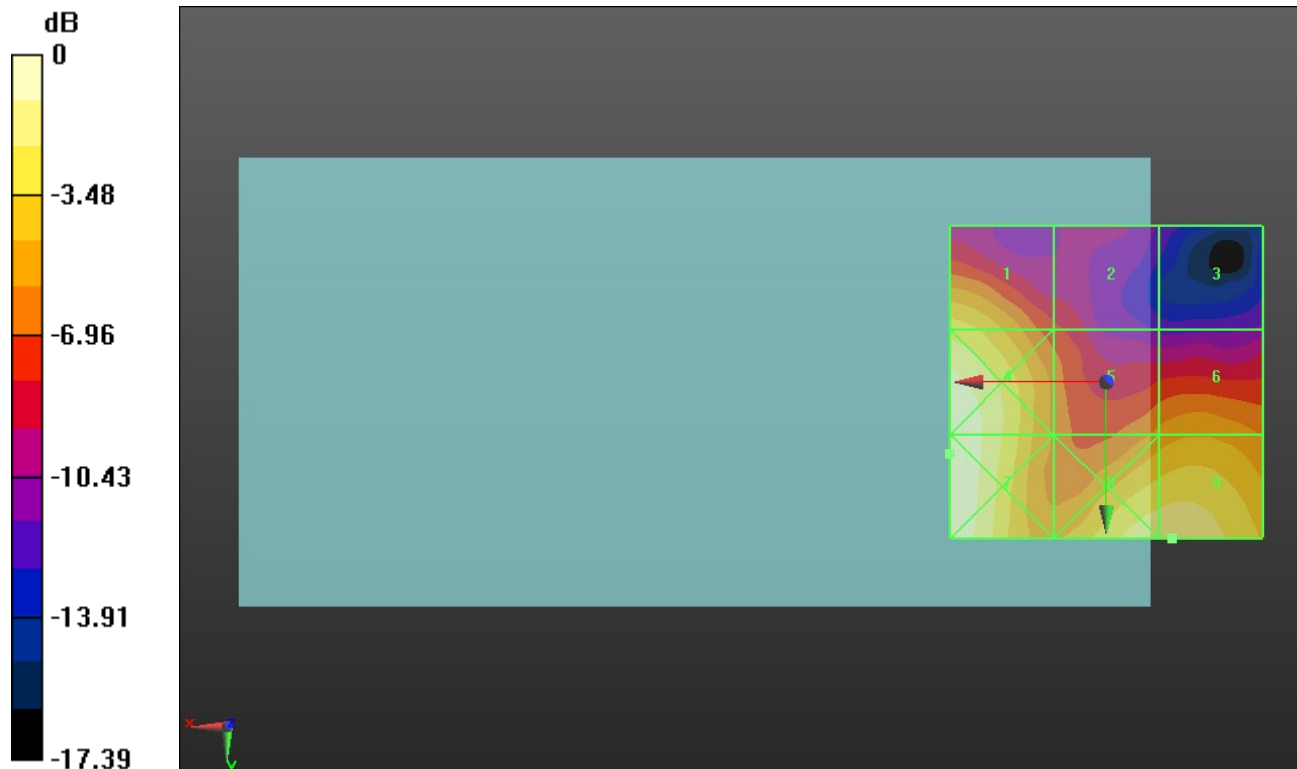
Applied MIF = -1.44 dB

RF audio interference level = 21.45 dBV/m

Emission category: **M4**

MIF scaled E-field

Grid 1 M4 20.05 dBV/m	Grid 2 M4 15.15 dBV/m	Grid 3 M4 11.68 dBV/m
Grid 4 M4 22.77 dBV/m	Grid 5 M4 17.52 dBV/m	Grid 6 M4 18.17 dBV/m
Grid 7 M4 22.84 dBV/m	Grid 8 M4 21.41 dBV/m	Grid 9 M4 21.45 dBV/m



0 dB = 13.87 V/m = 22.84 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 = 3.486 V/m; Power Drift = -0.05 dB

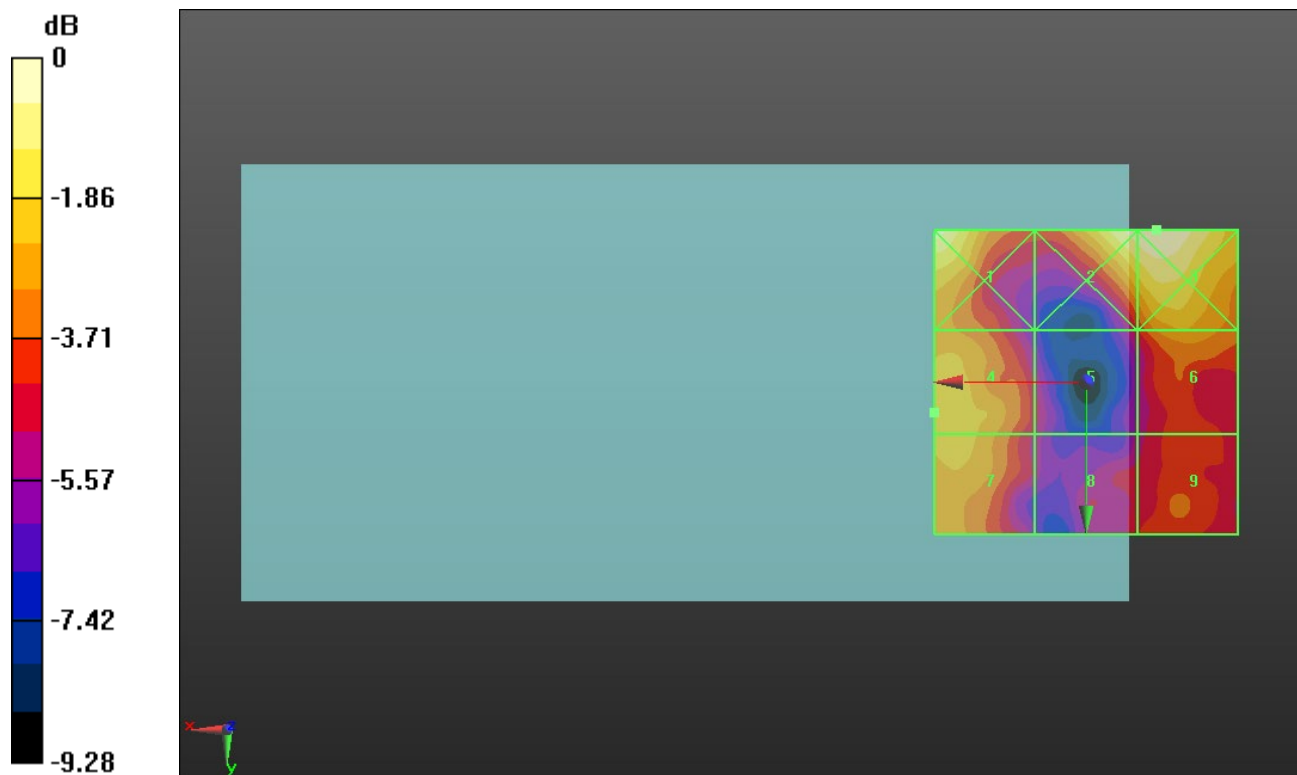
Applied MIF = -1.44 dB

RF audio interference level = 14.59 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 16.48 dBV/m	Grid 2 M4 16.38 dBV/m	Grid 3 M4 16.58 dBV/m
Grid 4 M4 14.59 dBV/m	Grid 5 M4 12.2 dBV/m	Grid 6 M4 14.08 dBV/m
Grid 7 M4 14.43 dBV/m	Grid 8 M4 12.25 dBV/m	Grid 9 M4 13.07 dBV/m



0 dB = 6.744 V/m = 16.58 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 = 3.075 V/m; Power Drift = 0.02 dB

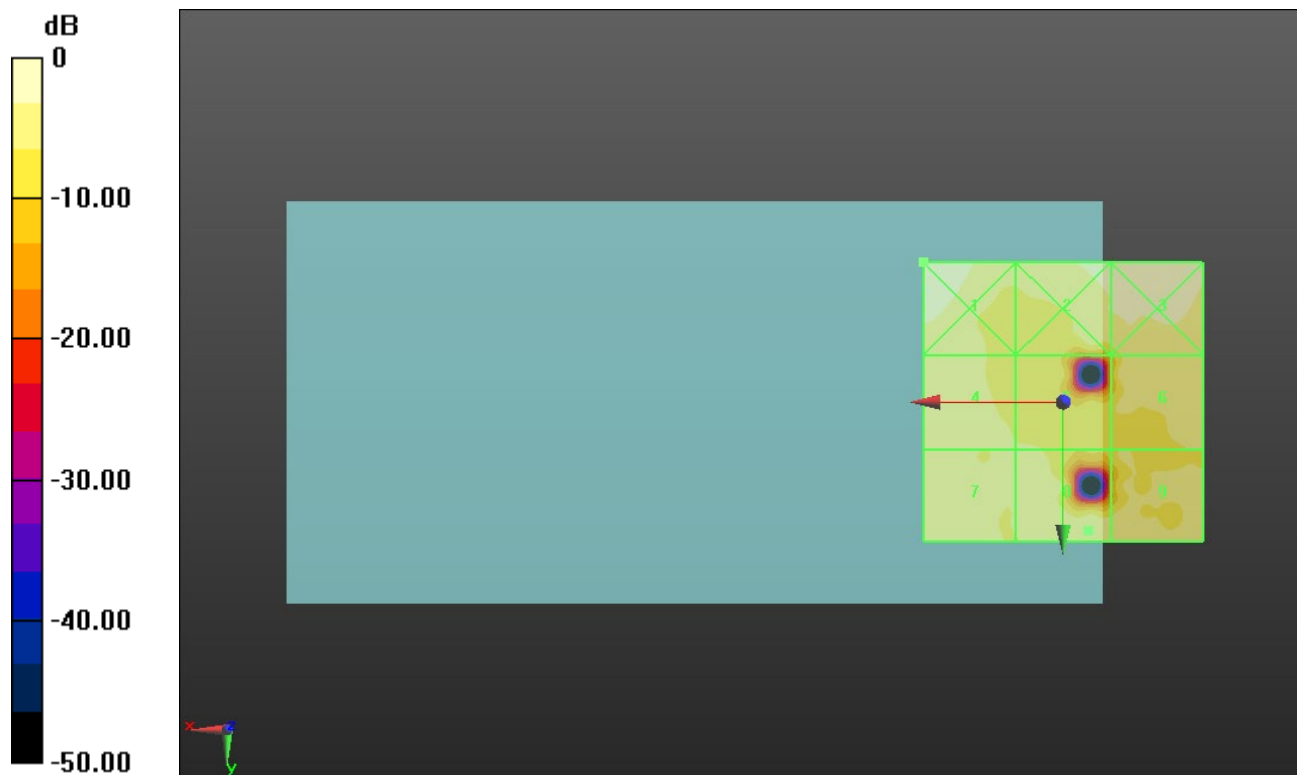
Applied MIF = -1.44 dB

RF audio interference level = 12.92 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 16.36 dBV/m	Grid 2 M4 14.18 dBV/m	Grid 3 M4 14.99 dBV/m
Grid 4 M4 11.82 dBV/m	Grid 5 M4 10.07 dBV/m	Grid 6 M4 12.42 dBV/m
Grid 7 M4 12.2 dBV/m	Grid 8 M4 12.92 dBV/m	Grid 9 M4 12.36 dBV/m



0 dB = 6.578 V/m = 16.36 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 = 3.167 V/m; Power Drift = -0.07 dB

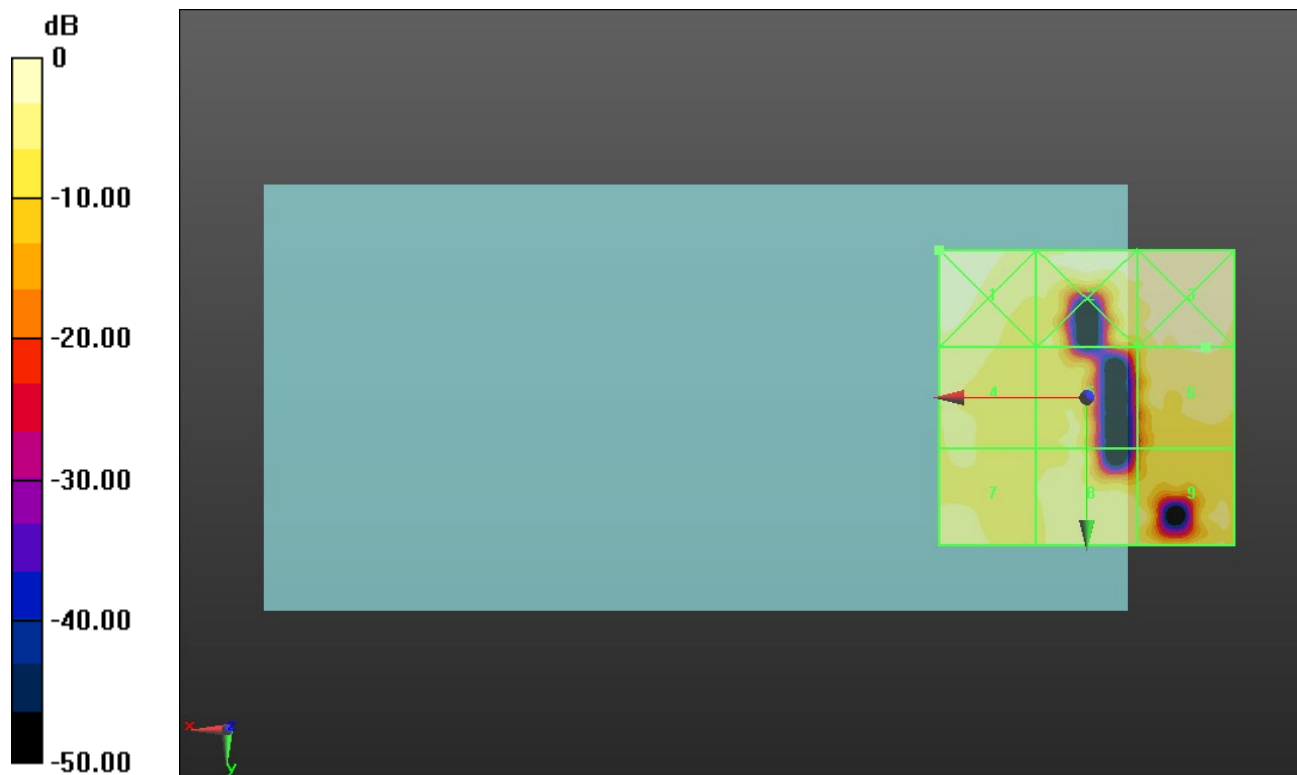
Applied MIF = -1.44 dB

RF audio interference level = 12.70 dBV/m

Emission category: **M4**

MIF scaled E-field

Grid 1 M4 15.7 dBV/m	Grid 2 M4 13.86 dBV/m	Grid 3 M4 14.14 dBV/m
Grid 4 M4 11.7 dBV/m	Grid 5 M4 9.95 dBV/m	Grid 6 M4 12.7 dBV/m
Grid 7 M4 11.61 dBV/m	Grid 8 M4 11.87 dBV/m	Grid 9 M4 11.06 dBV/m



0 dB = 6.093 V/m = 15.70 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 = 3.316 V/m; Power Drift = -0.12 dB

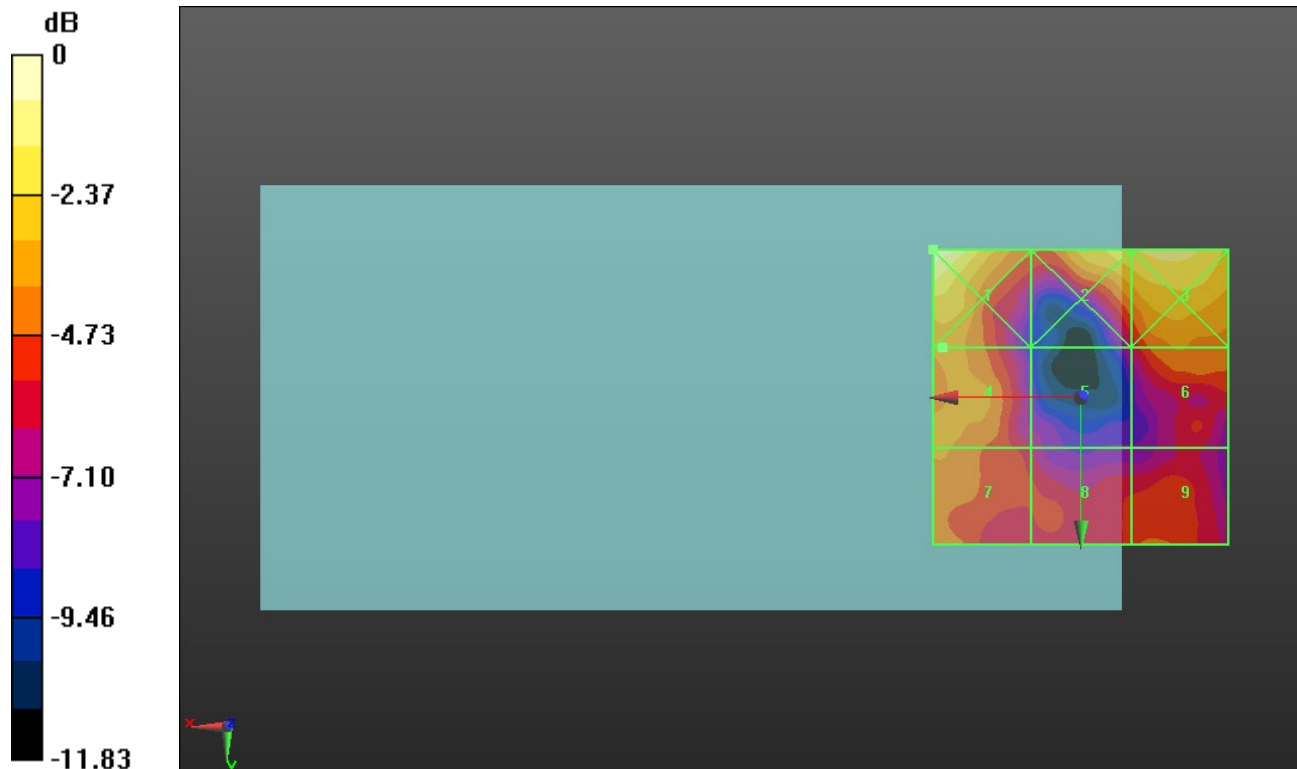
Applied MIF = -1.44 dB

RF audio interference level = 12.48 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 16.06 dBV/m	Grid 2 M4 14.36 dBV/m	Grid 3 M4 14.83 dBV/m
Grid 4 M4 12.48 dBV/m	Grid 5 M4 9.77 dBV/m	Grid 6 M4 12.2 dBV/m
Grid 7 M4 12.25 dBV/m	Grid 8 M4 11.07 dBV/m	Grid 9 M4 11.5 dBV/m



0 dB = 6.351 V/m = 16.06 dBV/m