

HAC-RF Emission ANT1

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

Phantom section: RF Section

DASY5 Configuration:

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

GSM850 E-Field measurement/Voice_ch 128/Hearing Aid Compatibility Test (101x101x1):

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

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 40.16 V/m; Power Drift = -0.01 dB

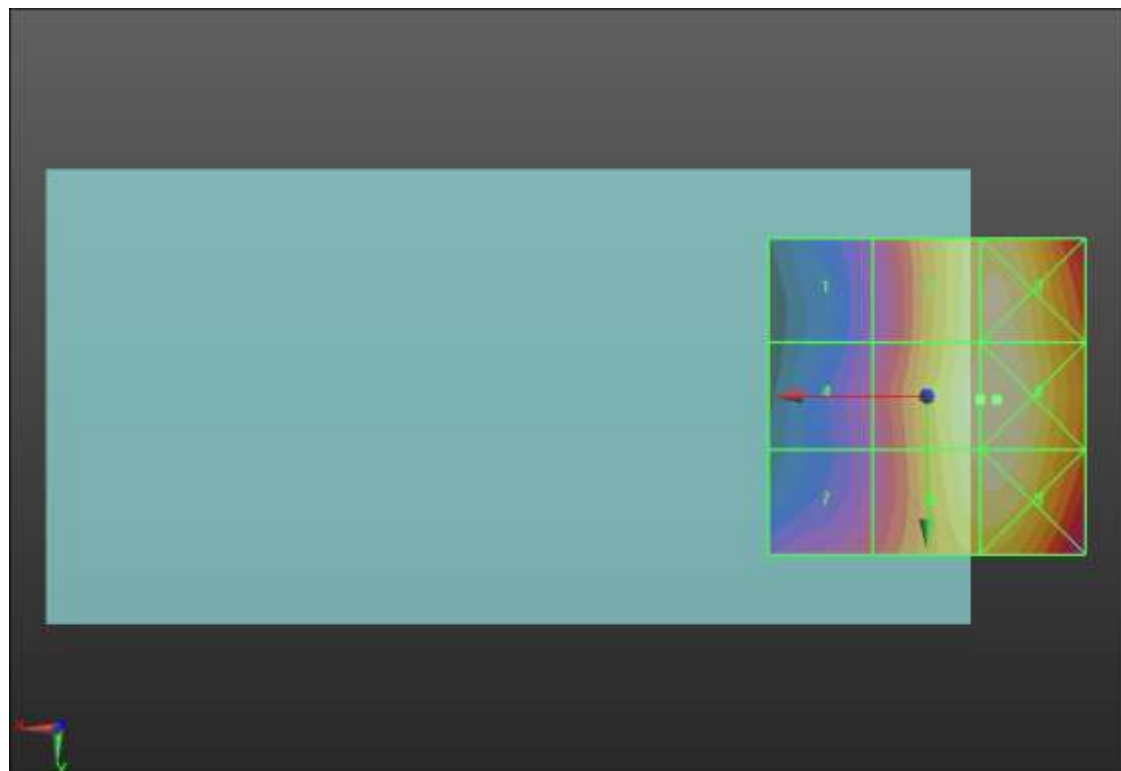
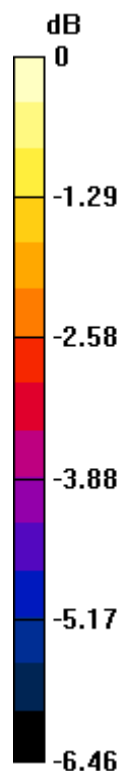
Applied MIF = 3.63 dB

RF audio interference level = 34.39 dBV/m

Emission category: **M4**

MIF scaled E-field

Grid 1 M4 30.75 dBV/m	Grid 2 M4 34.12 dBV/m	Grid 3 M4 34.25 dBV/m
Grid 4 M4 31.04 dBV/m	Grid 5 M4 34.39 dBV/m	Grid 6 M4 34.5 dBV/m
Grid 7 M4 31.4 dBV/m	Grid 8 M4 34.24 dBV/m	Grid 9 M4 34.34 dBV/m



0 dB = 53.11 V/m = 34.50 dBV/m

HAC-RF Emission ANT1

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

Phantom section: RF Section

DASY5 Configuration:

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

GSM850 E-Field measurement/Voice_ch 190/Hearing Aid Compatibility Test (101x101x1):

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

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 42.75 V/m; Power Drift = -0.03 dB

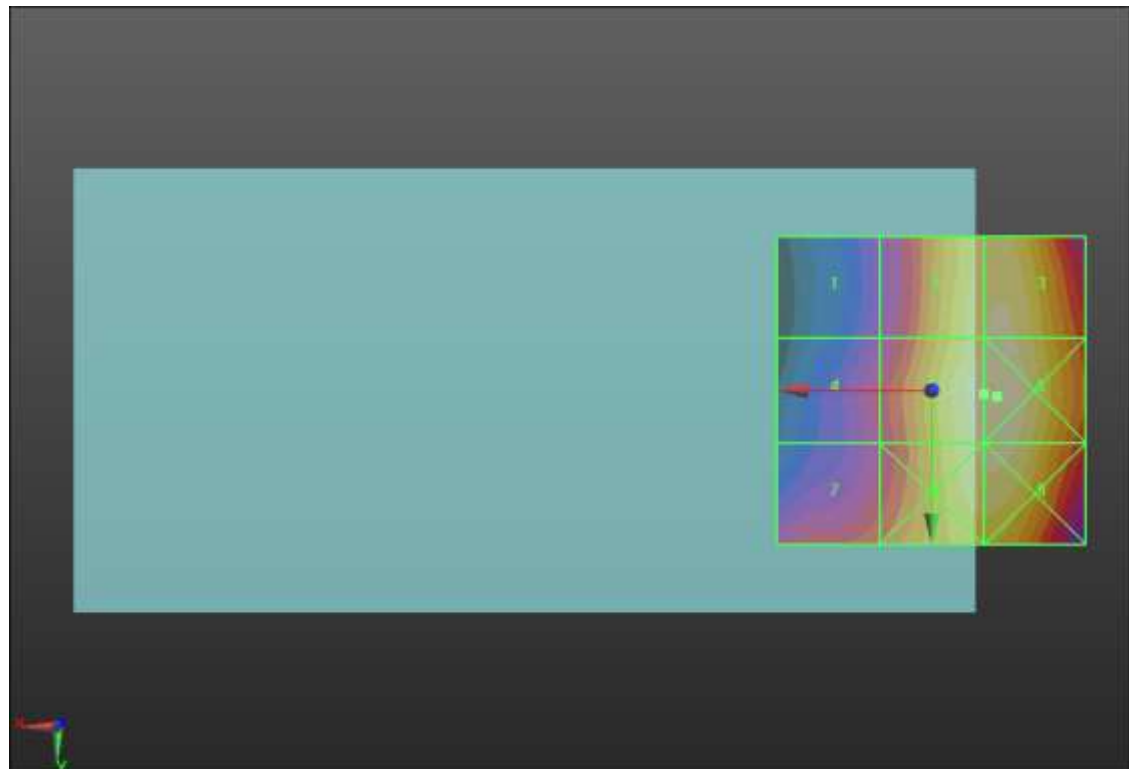
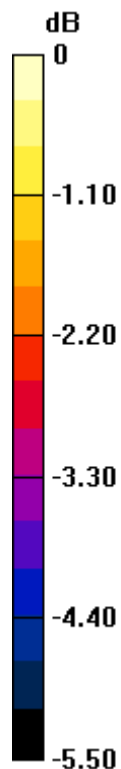
Applied MIF = 3.63 dB

RF audio interference level = 34.21 dBV/m

Emission category: **M4**

MIF scaled E-field

Grid 1 M4 30.95 dBV/m	Grid 2 M4 33.93 dBV/m	Grid 3 M4 34.03 dBV/m
Grid 4 M4 31.52 dBV/m	Grid 5 M4 34.21 dBV/m	Grid 6 M4 34.29 dBV/m
Grid 7 M4 32.12 dBV/m	Grid 8 M4 34.06 dBV/m	Grid 9 M4 34.11 dBV/m



0 dB = 51.80 V/m = 34.29 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 = 44.15 V/m; Power Drift = -0.09 dB

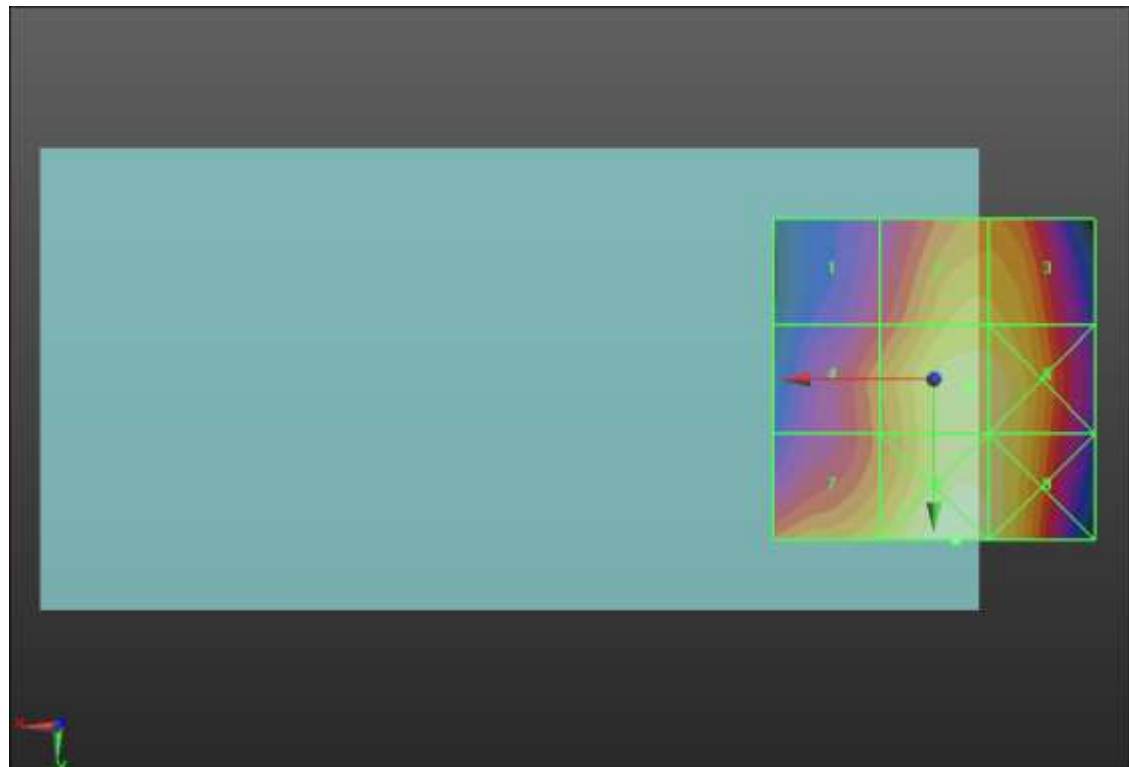
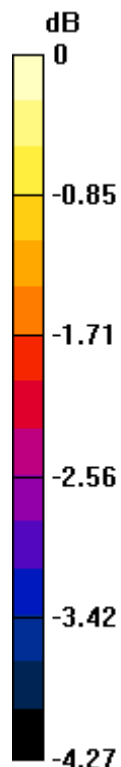
Applied MIF = 3.63 dB

RF audio interference level = 33.20 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 31.43 dBV/m	Grid 2 M4 32.81 dBV/m	Grid 3 M4 32.8 dBV/m
Grid 4 M4 32.05 dBV/m	Grid 5 M4 33.2 dBV/m	Grid 6 M4 33.14 dBV/m
Grid 7 M4 32.73 dBV/m	Grid 8 M4 33.51 dBV/m	Grid 9 M4 33.28 dBV/m



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

HAC-RF Emission ANT1

Communication System: UID 10021 - CAA, GSM-FDD (TDMA, GMSK); Frequency: 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 = 22.07 V/m; Power Drift = -0.01 dB

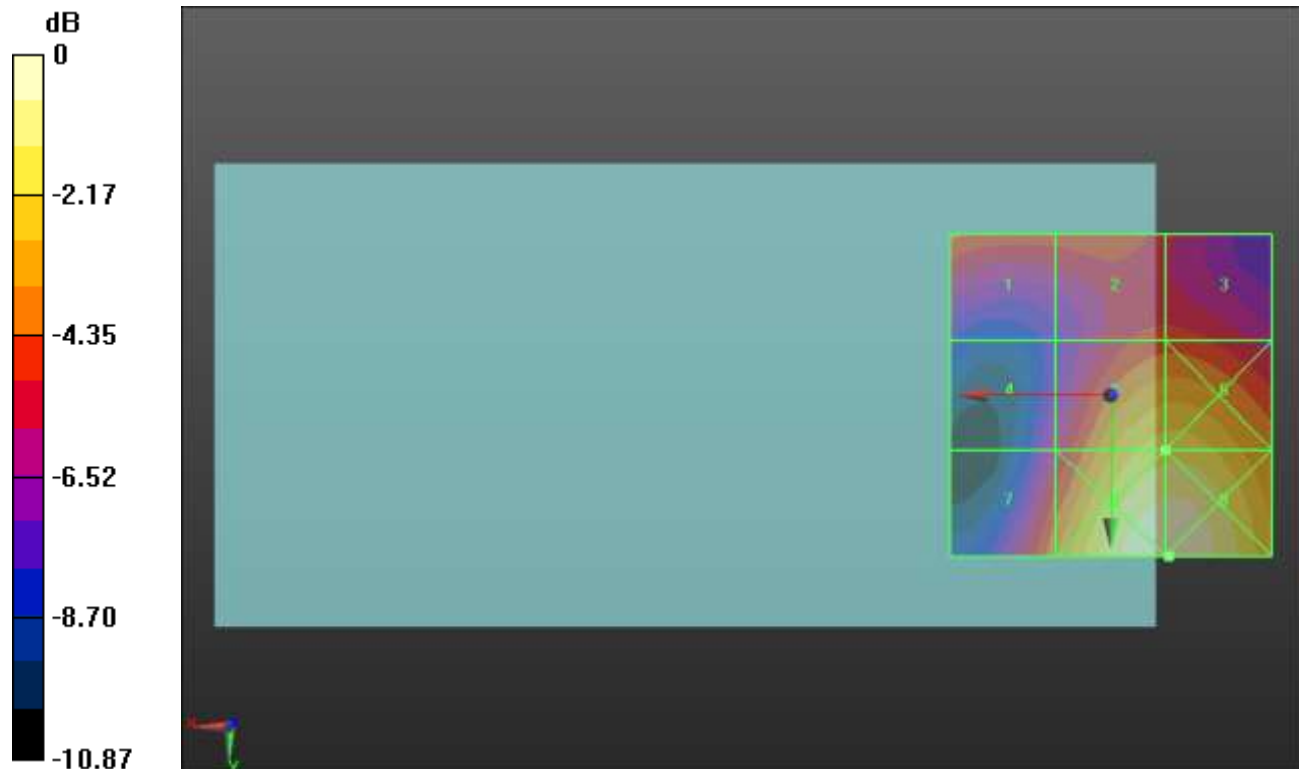
Applied MIF = 3.63 dB

RF audio interference level = 30.73 dBV/m

Emission category: **M3**

MIF scaled E-field

Grid 1 M4 28.38 dBV/m	Grid 2 M4 28 dBV/m	Grid 3 M4 27.78 dBV/m
Grid 4 M4 26.54 dBV/m	Grid 5 M3 30.73 dBV/m	Grid 6 M3 30.76 dBV/m
Grid 7 M4 28.8 dBV/m	Grid 8 M3 32.47 dBV/m	Grid 9 M3 32.47 dBV/m



0 dB = 42.04 V/m = 32.47 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 = 17.76 V/m; Power Drift = -0.01 dB

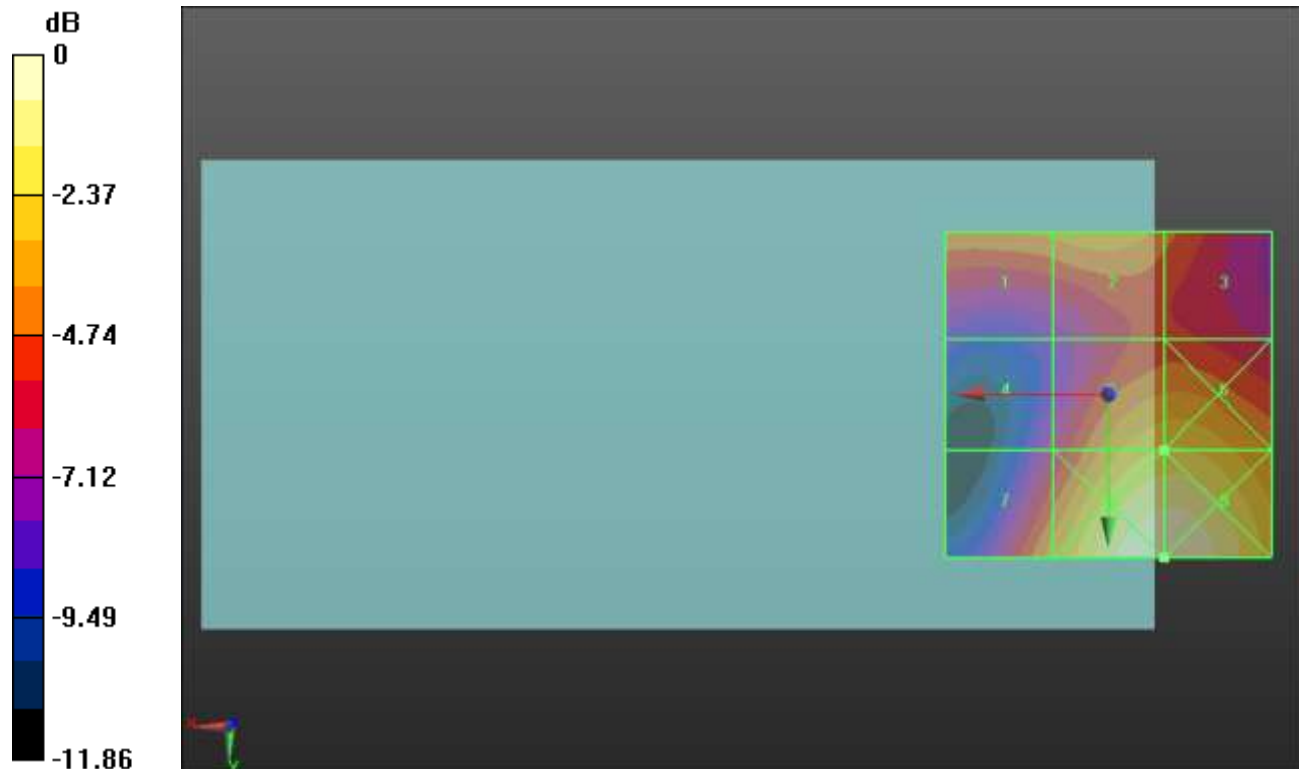
Applied MIF = 3.63 dB

RF audio interference level = 29.30 dBV/m

Emission category: **M4**

MIF scaled E-field

Grid 1 M4 27.88 dBV/m	Grid 2 M4 28.23 dBV/m	Grid 3 M4 27.24 dBV/m
Grid 4 M4 25.11 dBV/m	Grid 5 M4 29.3 dBV/m	Grid 6 M4 29.35 dBV/m
Grid 7 M4 28.15 dBV/m	Grid 8 M3 31.57 dBV/m	Grid 9 M3 31.57 dBV/m



0 dB = 37.89 V/m = 31.57 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 = 17.24 V/m; Power Drift = -0.02 dB

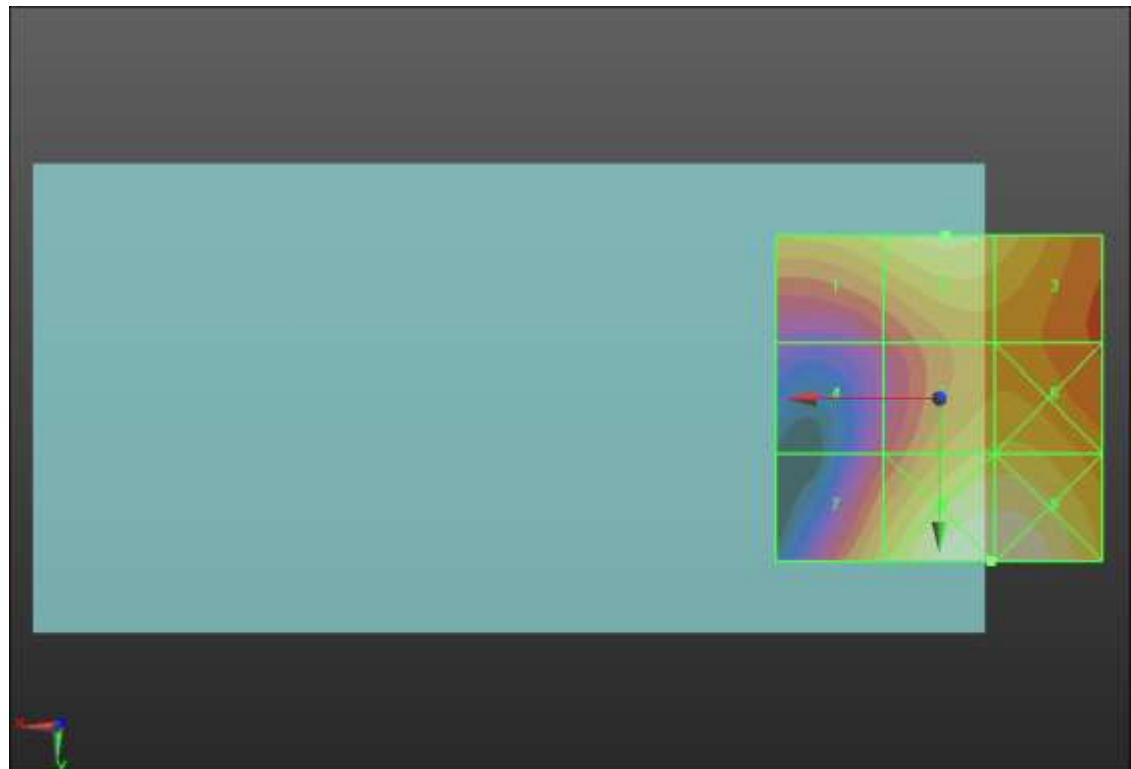
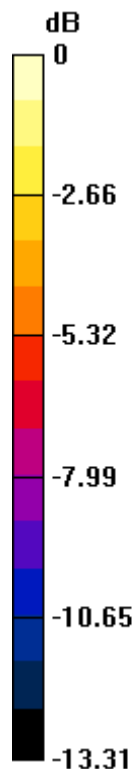
Applied MIF = 3.63 dB

RF audio interference level = 29.21 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 28.38 dBV/m	Grid 2 M4 29.21 dBV/m	Grid 3 M4 28.65 dBV/m
Grid 4 M4 24.17 dBV/m	Grid 5 M4 28.26 dBV/m	Grid 6 M4 28.34 dBV/m
Grid 7 M4 27.73 dBV/m	Grid 8 M3 30.63 dBV/m	Grid 9 M3 30.62 dBV/m



0 dB = 34.00 V/m = 30.63 dBV/m

HAC-RF Emission ANT1

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

Phantom section: RF Section

DASY5 Configuration:

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

CDMA2000 BC0 E-Field measurement/RC1_SO3_Ch.1013/Hearing Aid Compatibility

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

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 17.43 V/m; Power Drift = 0.02 dB

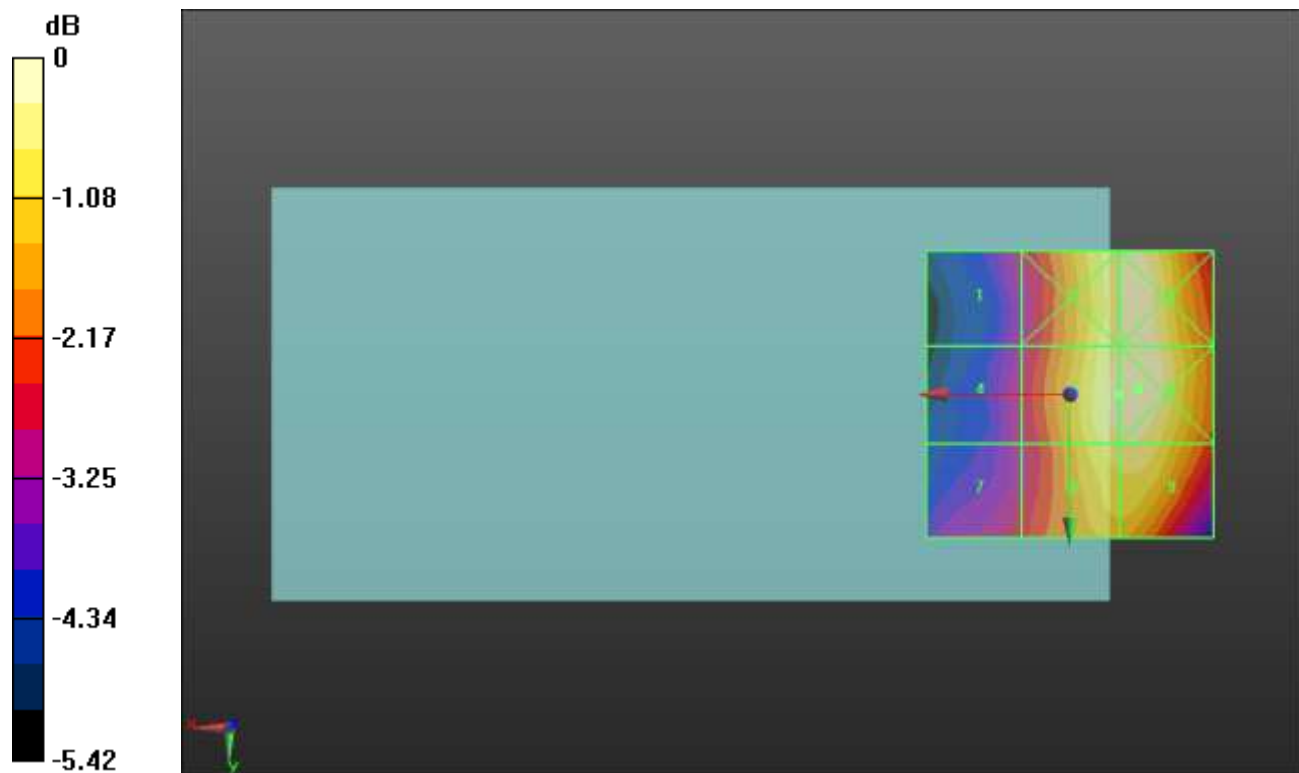
Applied MIF = 3.26 dB

RF audio interference level = 26.60 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 23.85 dBV/m	Grid 2 M4 26.44 dBV/m	Grid 3 M4 26.59 dBV/m
Grid 4 M4 23.92 dBV/m	Grid 5 M4 26.6 dBV/m	Grid 6 M4 26.73 dBV/m
Grid 7 M4 24.07 dBV/m	Grid 8 M4 26.32 dBV/m	Grid 9 M4 26.38 dBV/m



0 dB = 21.71 V/m = 26.73 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 = 18.58 V/m; Power Drift = 0.04 dB

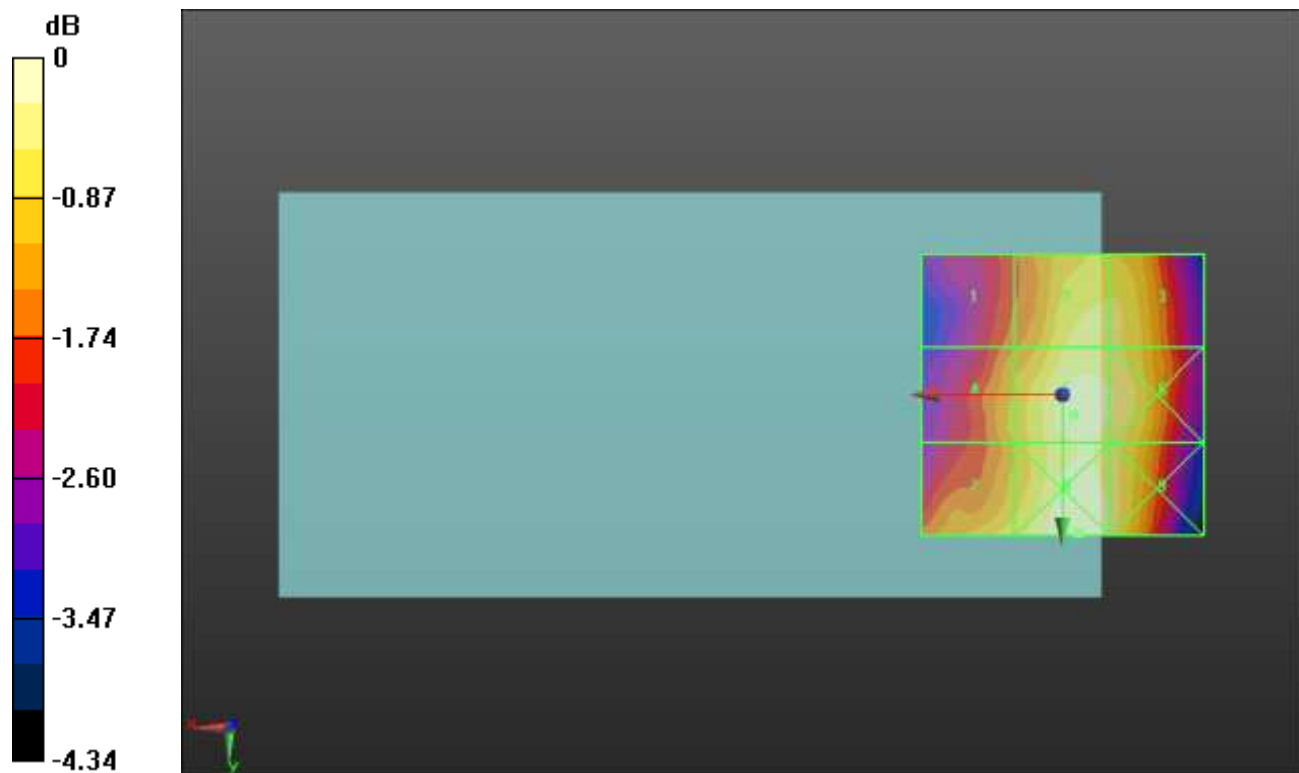
Applied MIF = 3.26 dB

RF audio interference level = 25.73 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 24.38 dBV/m	Grid 2 M4 25.43 dBV/m	Grid 3 M4 25.42 dBV/m
Grid 4 M4 24.86 dBV/m	Grid 5 M4 25.73 dBV/m	Grid 6 M4 25.61 dBV/m
Grid 7 M4 25.23 dBV/m	Grid 8 M4 25.87 dBV/m	Grid 9 M4 25.54 dBV/m



0 dB = 19.66 V/m = 25.87 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 = 19.46 V/m; Power Drift = 0.04 dB

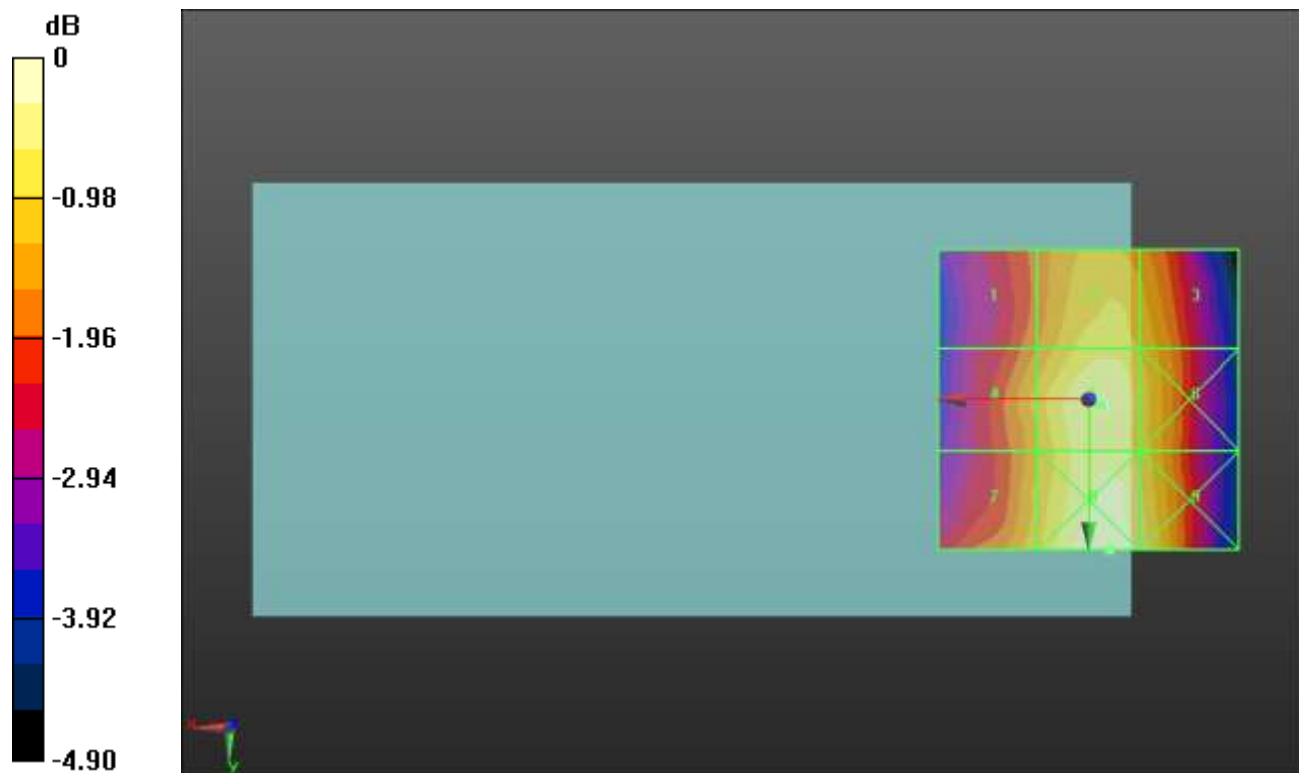
Applied MIF = 3.26 dB

RF audio interference level = 26.27 dBV/m

Emission category: **M4**

MIF scaled E-field

Grid 1 M4 24.98 dBV/m	Grid 2 M4 25.84 dBV/m	Grid 3 M4 25.59 dBV/m
Grid 4 M4 25.43 dBV/m	Grid 5 M4 26.27 dBV/m	Grid 6 M4 25.84 dBV/m
Grid 7 M4 25.6 dBV/m	Grid 8 M4 26.58 dBV/m	Grid 9 M4 26.24 dBV/m



0 dB = 21.33 V/m = 26.58 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 = 8.739 V/m; Power Drift = -0.14 dB

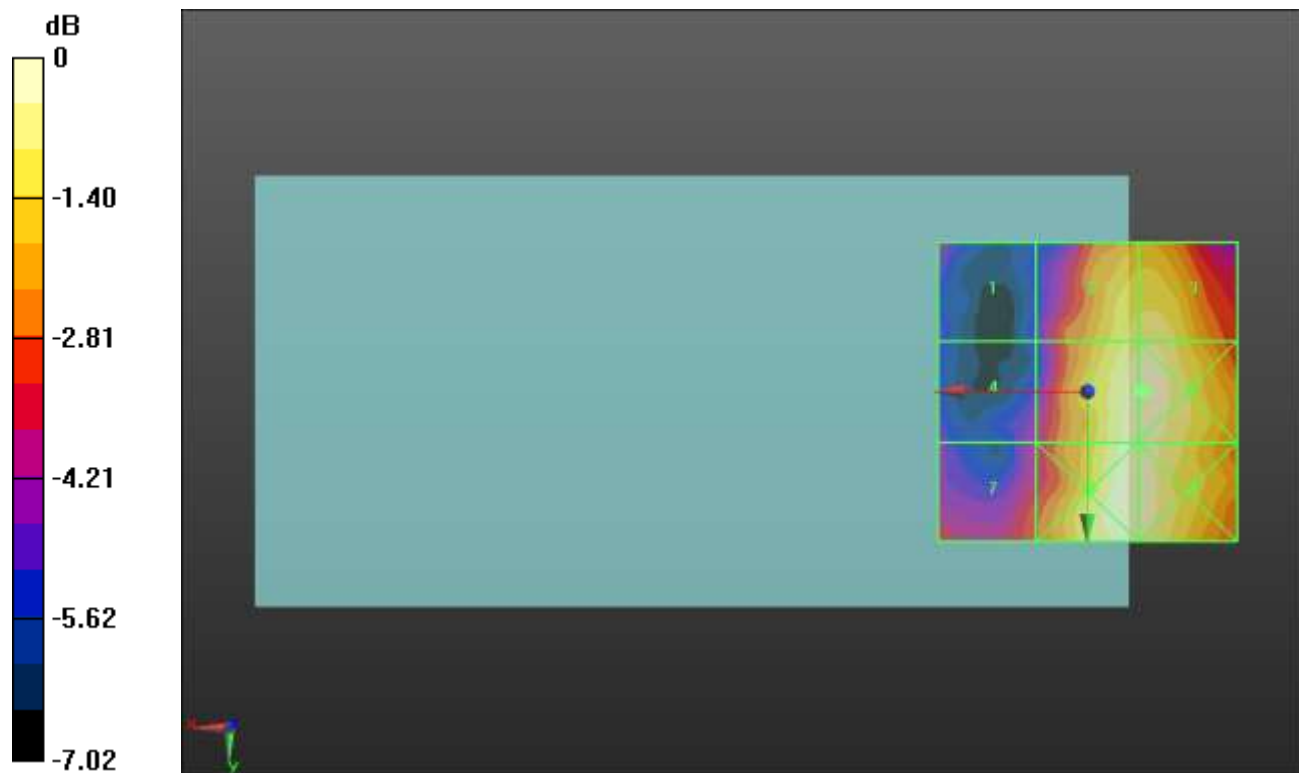
Applied MIF = 3.26 dB

RF audio interference level = 21.08 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 17.38 dBV/m	Grid 2 M4 20.6 dBV/m	Grid 3 M4 20.68 dBV/m
Grid 4 M4 17.29 dBV/m	Grid 5 M4 21.08 dBV/m	Grid 6 M4 21.19 dBV/m
Grid 7 M4 18.33 dBV/m	Grid 8 M4 21.02 dBV/m	Grid 9 M4 20.98 dBV/m



0 dB = 11.47 V/m = 21.19 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 = 8.872 V/m; Power Drift = -0.12 dB

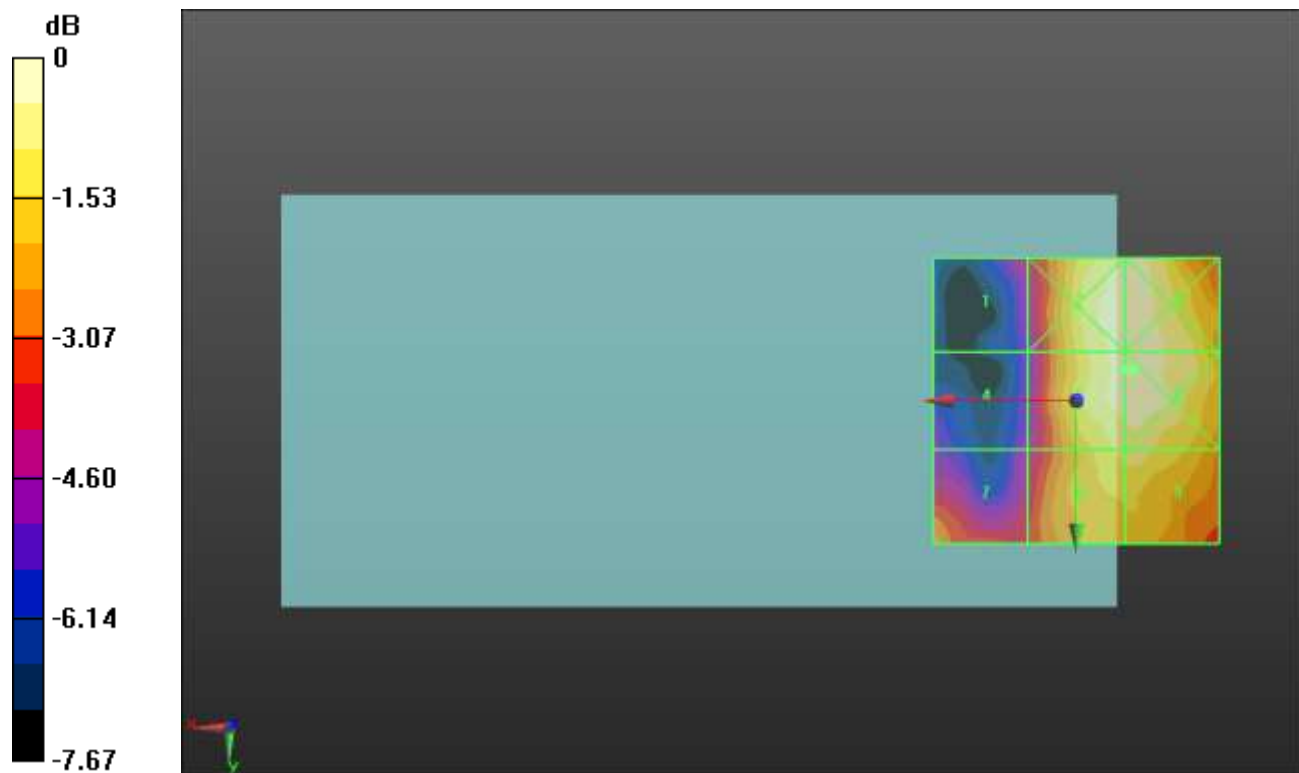
Applied MIF = 3.26 dB

RF audio interference level = 21.12 dBV/m

Emission category: **M4**

MIF scaled E-field

Grid 1 M4 17.38 dBV/m	Grid 2 M4 21.08 dBV/m	Grid 3 M4 21.15 dBV/m
Grid 4 M4 16.74 dBV/m	Grid 5 M4 21.12 dBV/m	Grid 6 M4 21.23 dBV/m
Grid 7 M4 19.01 dBV/m	Grid 8 M4 20.4 dBV/m	Grid 9 M4 20.46 dBV/m



0 dB = 11.52 V/m = 21.23 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 = 7.217 V/m; Power Drift = -0.12 dB

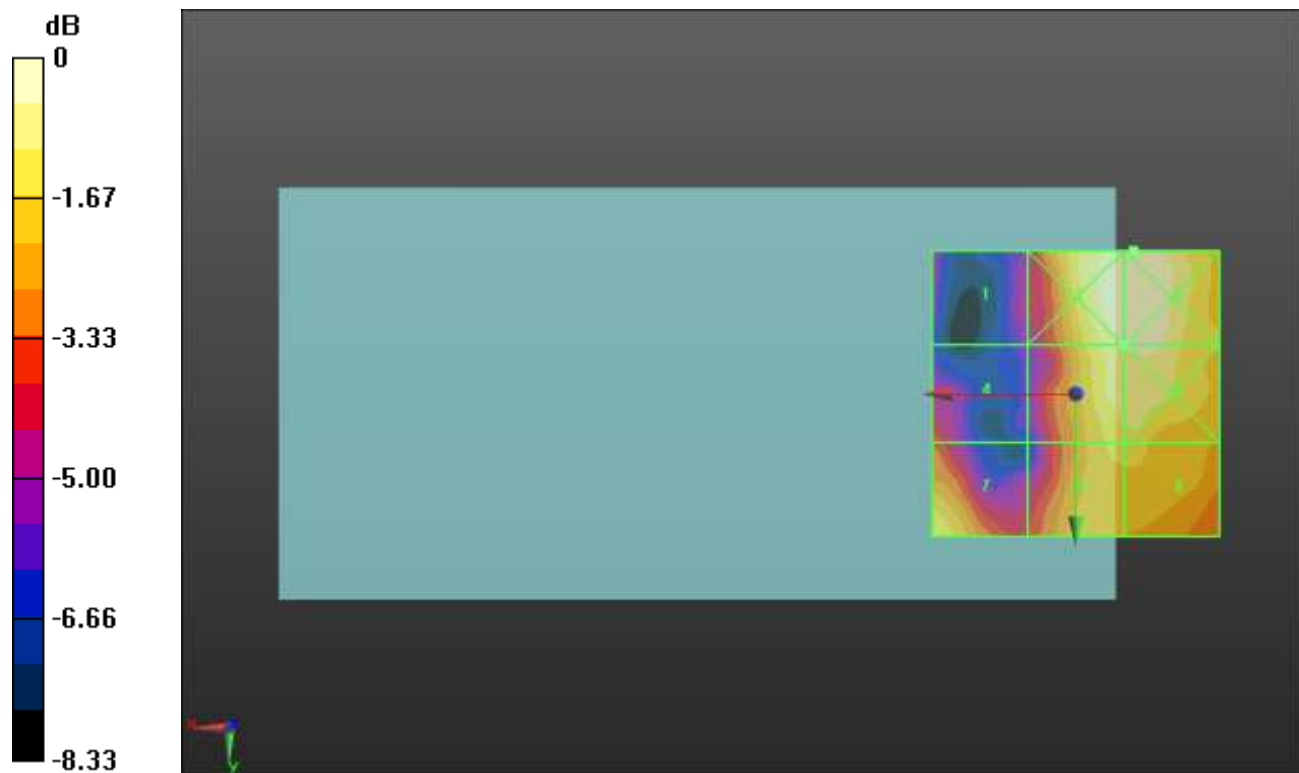
Applied MIF = 3.26 dB

RF audio interference level = 20.07 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 16.58 dBV/m	Grid 2 M4 20.46 dBV/m	Grid 3 M4 20.55 dBV/m
Grid 4 M4 17.14 dBV/m	Grid 5 M4 20.07 dBV/m	Grid 6 M4 20.19 dBV/m
Grid 7 M4 19.55 dBV/m	Grid 8 M4 19.23 dBV/m	Grid 9 M4 19.26 dBV/m



0 dB = 10.65 V/m = 20.55 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 = 16.93 V/m; Power Drift = 0.02 dB

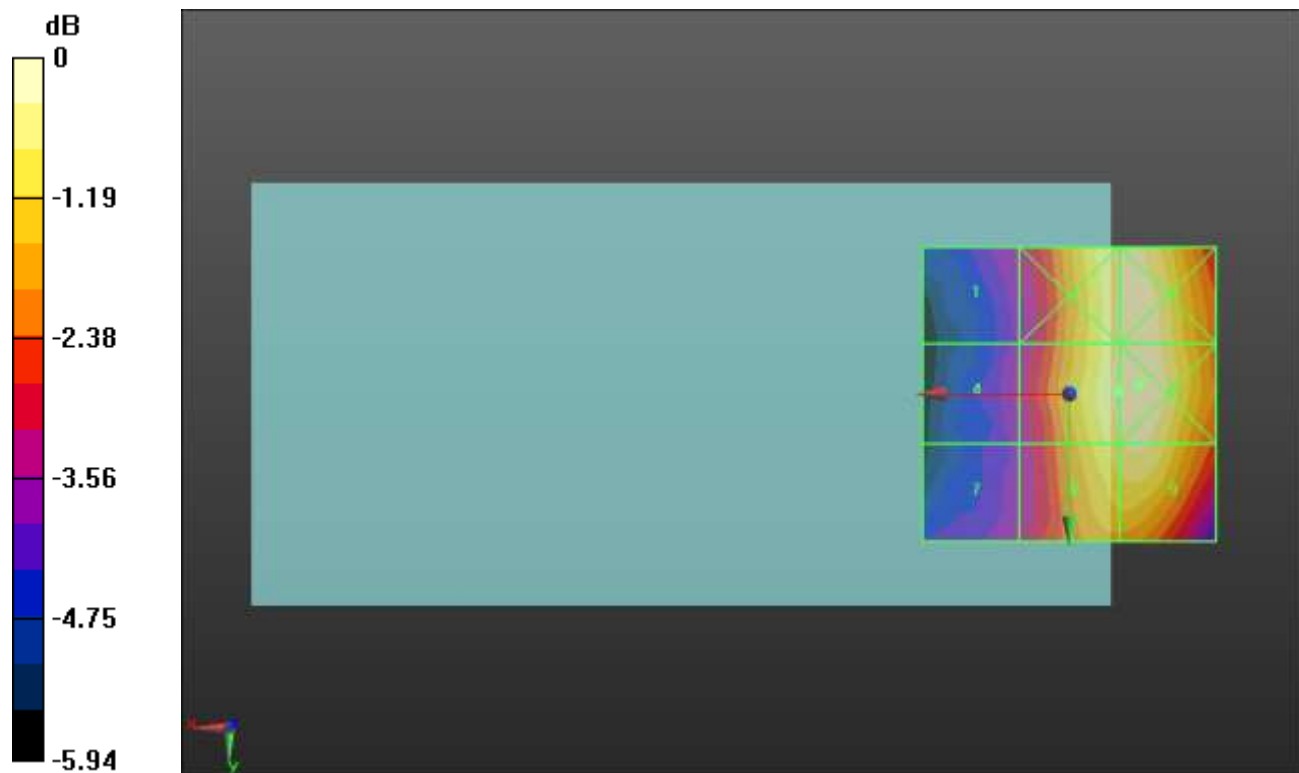
Applied MIF = 3.26 dB

RF audio interference level = 26.73 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 23.56 dBV/m	Grid 2 M4 26.61 dBV/m	Grid 3 M4 26.79 dBV/m
Grid 4 M4 23.49 dBV/m	Grid 5 M4 26.73 dBV/m	Grid 6 M4 26.91 dBV/m
Grid 7 M4 23.6 dBV/m	Grid 8 M4 26.45 dBV/m	Grid 9 M4 26.59 dBV/m



0 dB = 22.16 V/m = 26.91 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 = 17.03 V/m; Power Drift = 0.04 dB

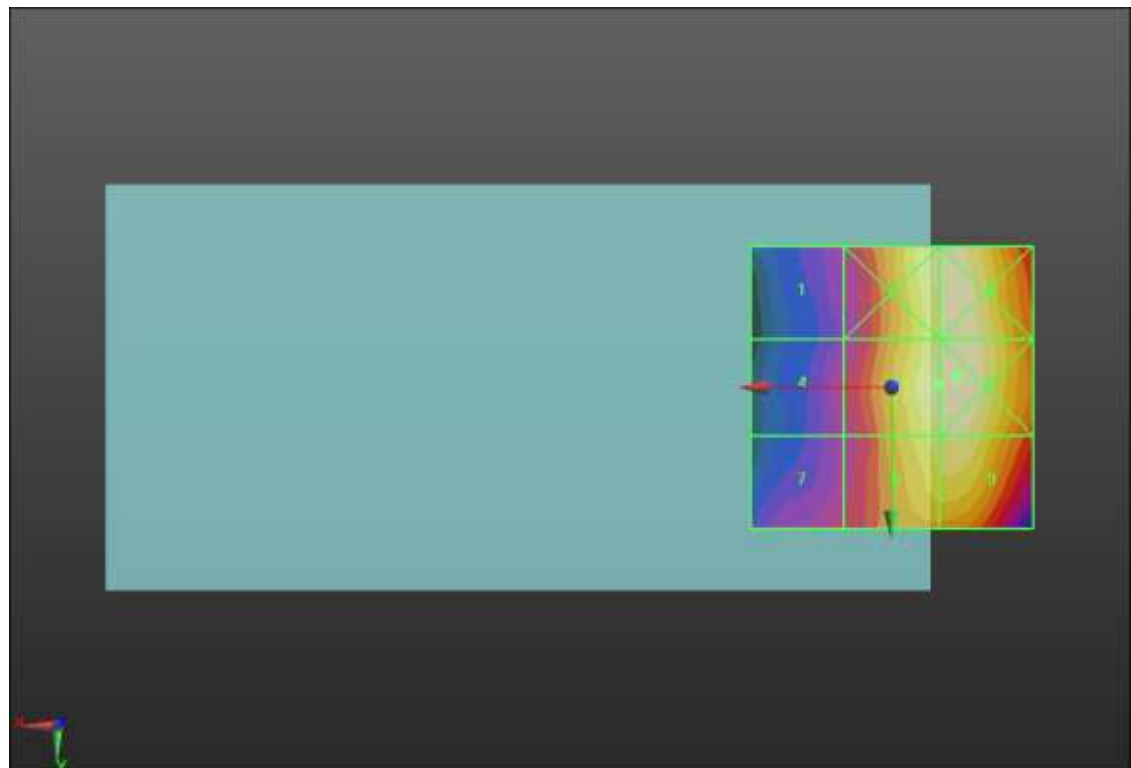
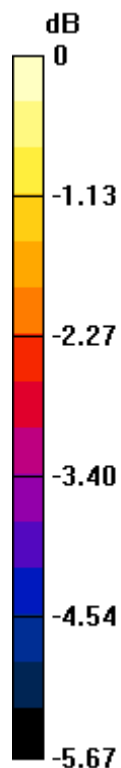
Applied MIF = 3.26 dB

RF audio interference level = 26.72 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 23.7 dBV/m	Grid 2 M4 26.59 dBV/m	Grid 3 M4 26.76 dBV/m
Grid 4 M4 23.86 dBV/m	Grid 5 M4 26.72 dBV/m	Grid 6 M4 26.88 dBV/m
Grid 7 M4 24.03 dBV/m	Grid 8 M4 26.44 dBV/m	Grid 9 M4 26.56 dBV/m



0 dB = 22.09 V/m = 26.88 dBV/m

HAC-RF Emission ANT1

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

Phantom section: RF Section

DASY5 Configuration:

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

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

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

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 17.41 V/m; Power Drift = -0.04 dB

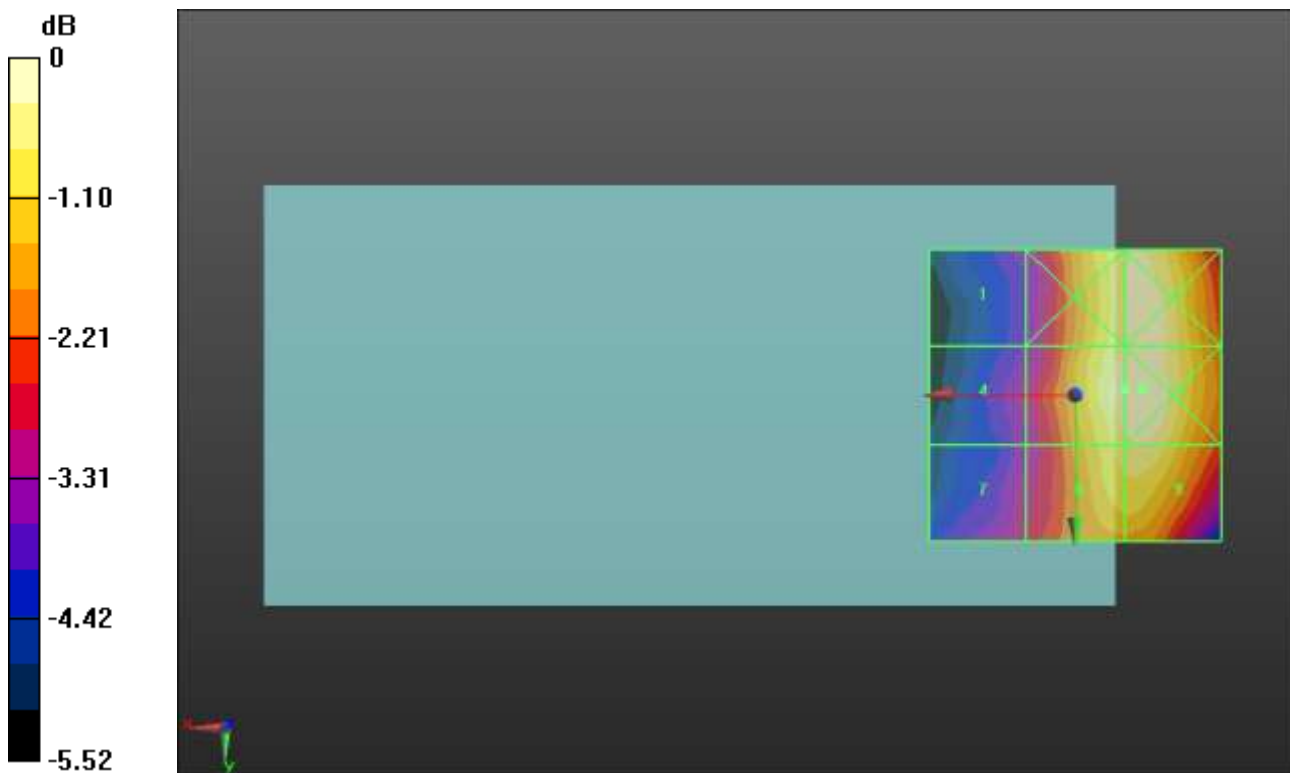
Applied MIF = 3.26 dB

RF audio interference level = 26.69 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 23.55 dBV/m	Grid 2 M4 26.49 dBV/m	Grid 3 M4 26.66 dBV/m
Grid 4 M4 23.7 dBV/m	Grid 5 M4 26.69 dBV/m	Grid 6 M4 26.8 dBV/m
Grid 7 M4 23.93 dBV/m	Grid 8 M4 26.32 dBV/m	Grid 9 M4 26.43 dBV/m



0 dB = 21.89 V/m = 26.80 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 = 12.26 V/m; Power Drift = -0.11 dB

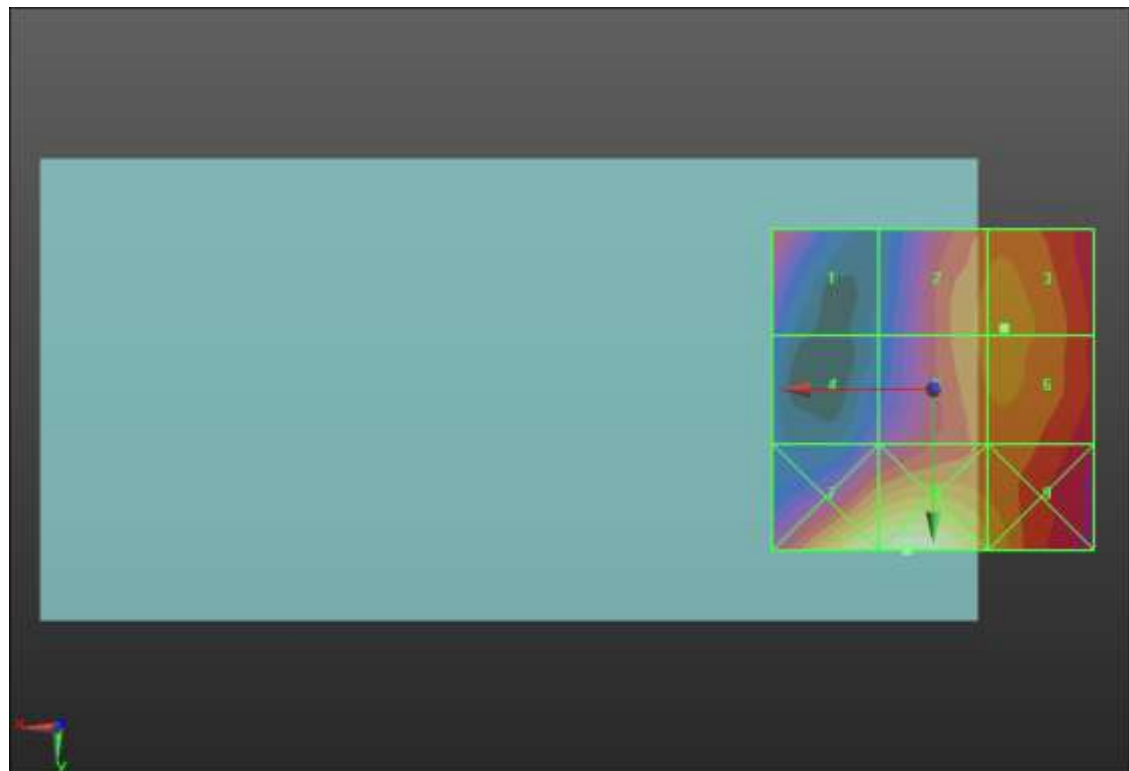
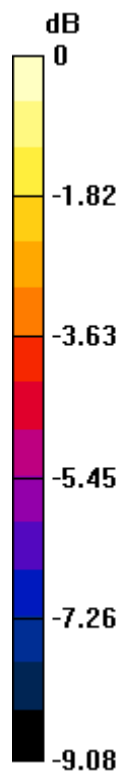
Applied MIF = -1.44 dB

RF audio interference level = 20.09 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 18.79 dBV/m	Grid 2 M4 20 dBV/m	Grid 3 M4 20.09 dBV/m
Grid 4 M4 17.2 dBV/m	Grid 5 M4 20 dBV/m	Grid 6 M4 20.08 dBV/m
Grid 7 M4 22.57 dBV/m	Grid 8 M4 22.86 dBV/m	Grid 9 M4 20.68 dBV/m



0 dB = 13.89 V/m = 22.85 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 = 9.958 V/m; Power Drift = -0.04 dB

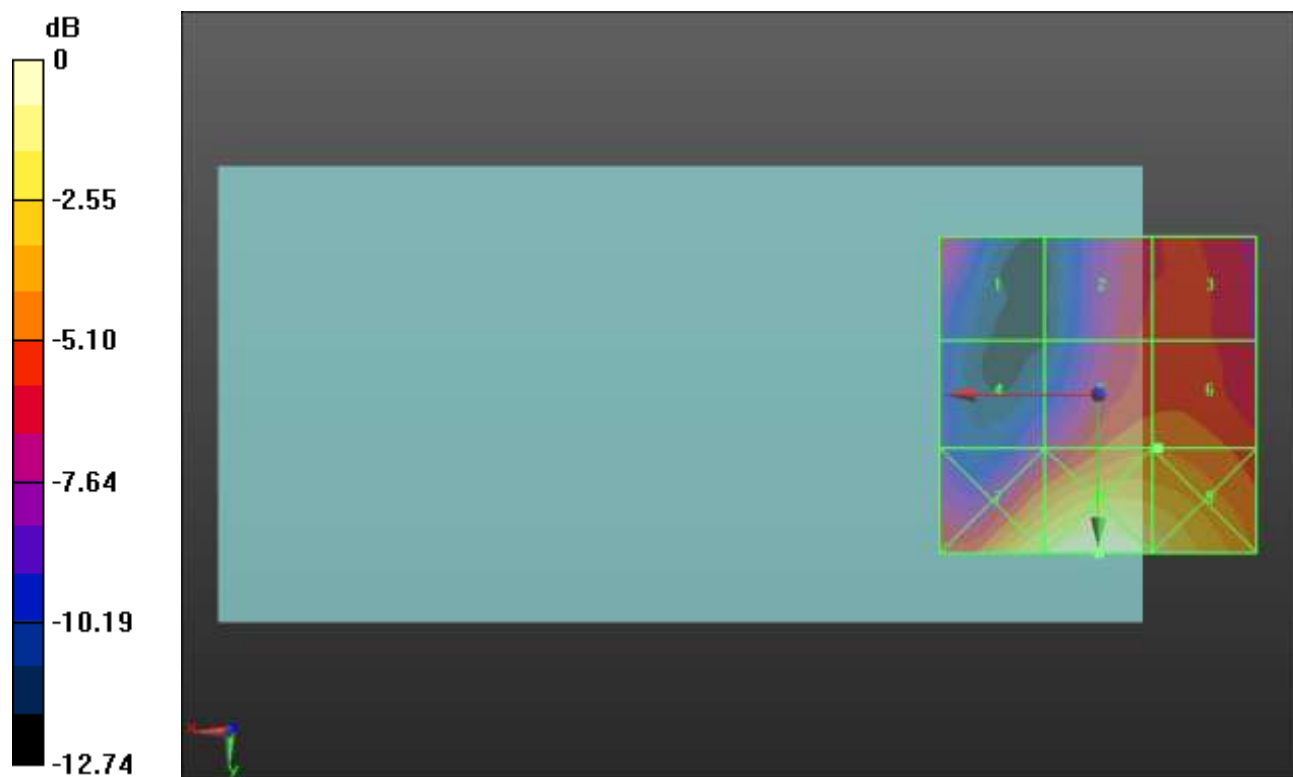
Applied MIF = -1.44 dB

RF audio interference level = 18.84 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 16.84 dBV/m	Grid 2 M4 17.39 dBV/m	Grid 3 M4 17.61 dBV/m
Grid 4 M4 15.57 dBV/m	Grid 5 M4 18.83 dBV/m	Grid 6 M4 18.84 dBV/m
Grid 7 M4 22.18 dBV/m	Grid 8 M4 23.12 dBV/m	Grid 9 M4 22.1 dBV/m



0 dB = 14.33 V/m = 23.12 dBV/m

HAC-RF Emission ANT1

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

Phantom section: RF Section

DASY5 Configuration:

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

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

40620/Hearing Aid Compatibility Test (101x101x1): Interpolated grid: dx=0.5000 mm, dy=0.5000 mm

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 11.61 V/m; Power Drift = 0.01 dB

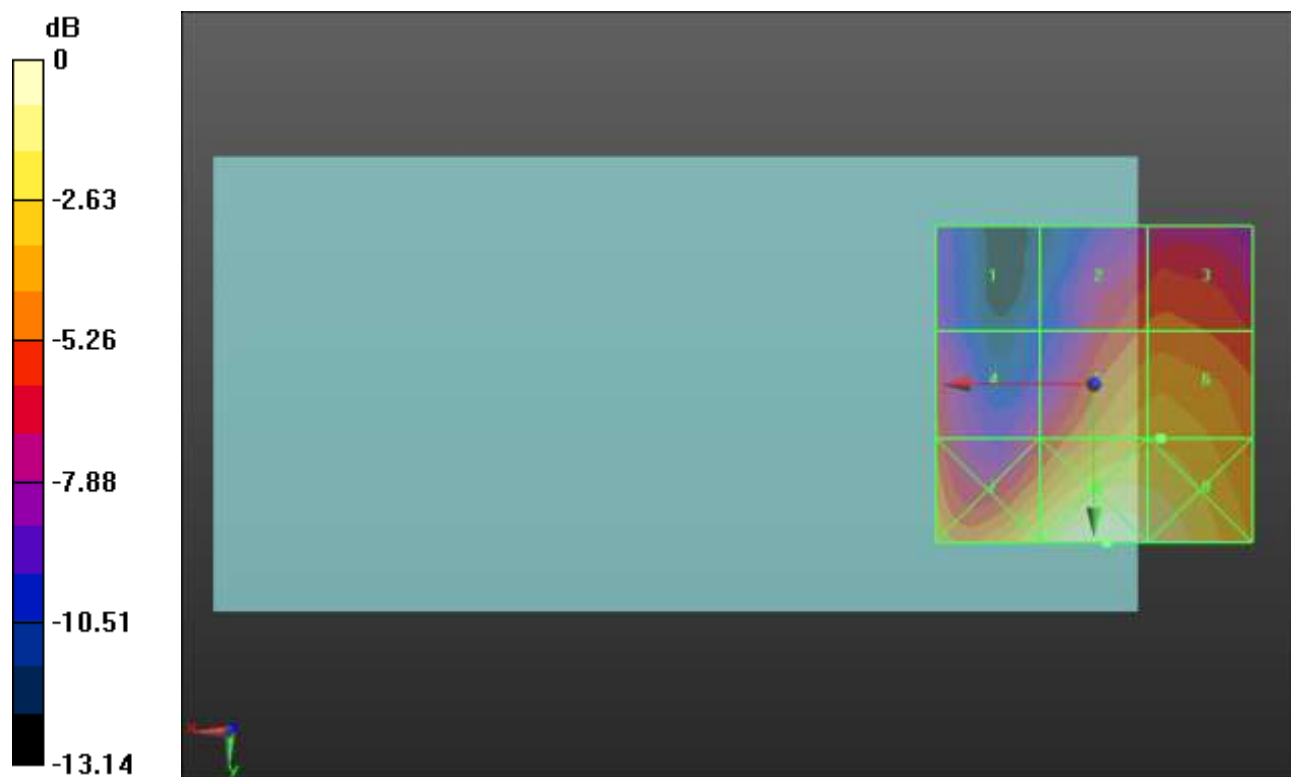
Applied MIF = -1.44 dB

RF audio interference level = 20.78 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 15.73 dBV/m	Grid 2 M4 18.54 dBV/m	Grid 3 M4 18.74 dBV/m
Grid 4 M4 18.07 dBV/m	Grid 5 M4 20.74 dBV/m	Grid 6 M4 20.78 dBV/m
Grid 7 M4 22.21 dBV/m	Grid 8 M4 23.59 dBV/m	Grid 9 M4 22.96 dBV/m



0 dB = 15.11 V/m = 23.59 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 = 12.31 V/m; Power Drift = -0.02 dB

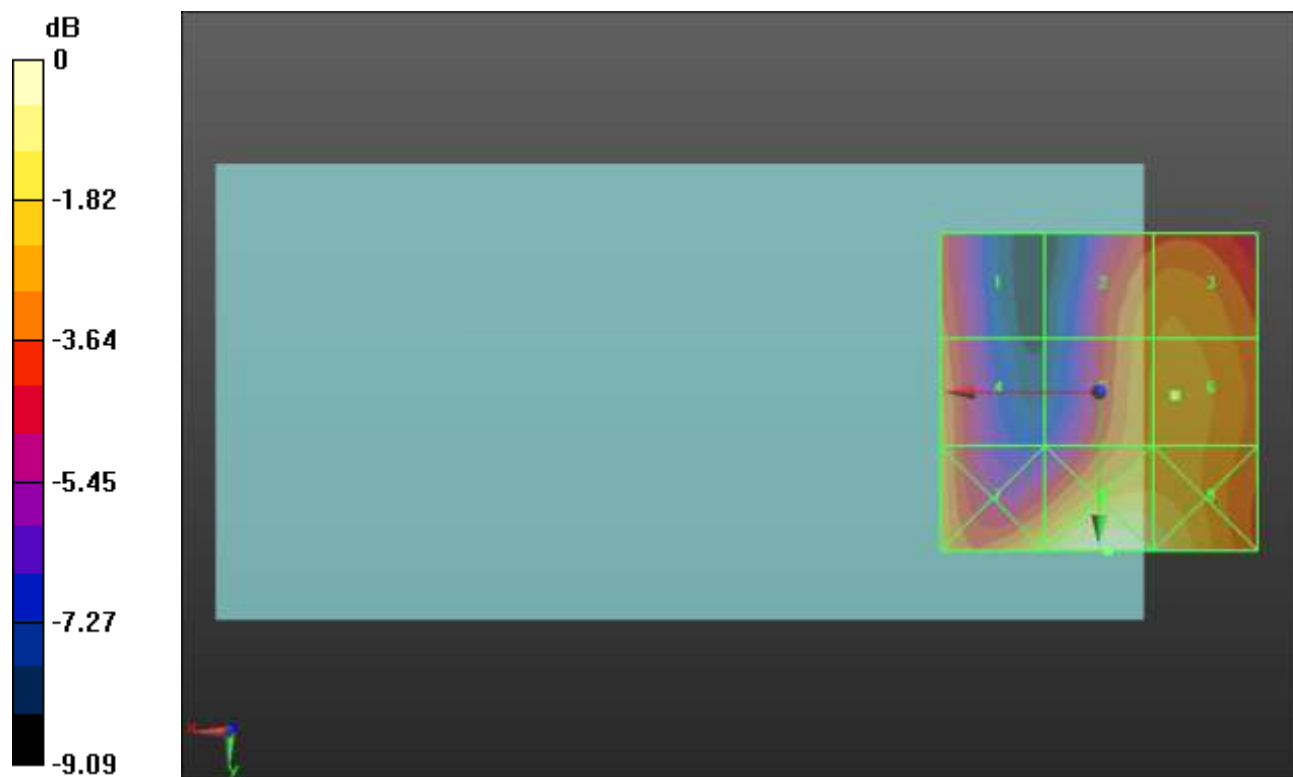
Applied MIF = -1.44 dB

RF audio interference level = 21.38 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 20.16 dBV/m	Grid 2 M4 20.97 dBV/m	Grid 3 M4 21.19 dBV/m
Grid 4 M4 20.95 dBV/m	Grid 5 M4 21.21 dBV/m	Grid 6 M4 21.38 dBV/m
Grid 7 M4 22.23 dBV/m	Grid 8 M4 23.47 dBV/m	Grid 9 M4 22.77 dBV/m



0 dB = 14.90 V/m = 23.46 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 = 12.56 V/m; Power Drift = -0.04 dB

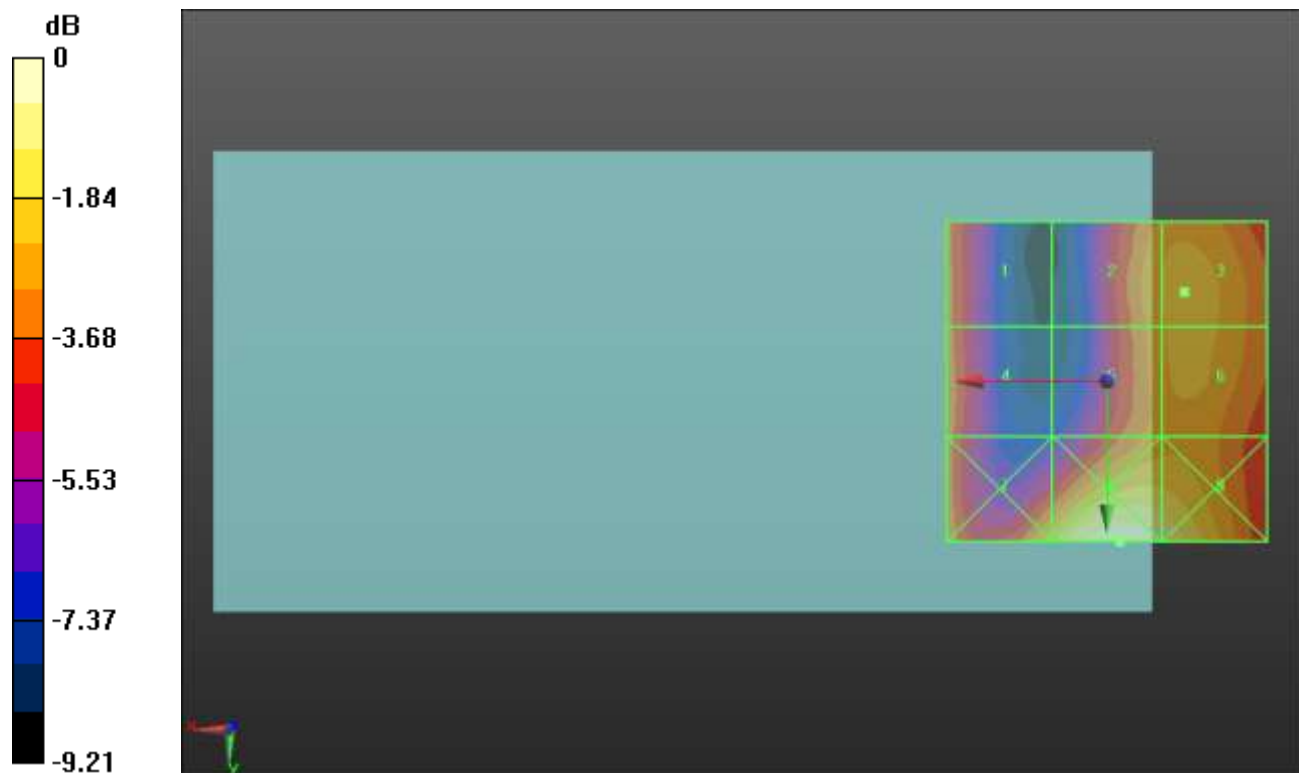
Applied MIF = -1.44 dB

RF audio interference level = 21.98 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 20.76 dBV/m	Grid 2 M4 21.68 dBV/m	Grid 3 M4 21.98 dBV/m
Grid 4 M4 20.99 dBV/m	Grid 5 M4 21.58 dBV/m	Grid 6 M4 21.93 dBV/m
Grid 7 M4 22.36 dBV/m	Grid 8 M4 24.12 dBV/m	Grid 9 M4 23.55 dBV/m



0 dB = 16.06 V/m = 24.11 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 = 12.35 V/m; Power Drift = -0.03 dB

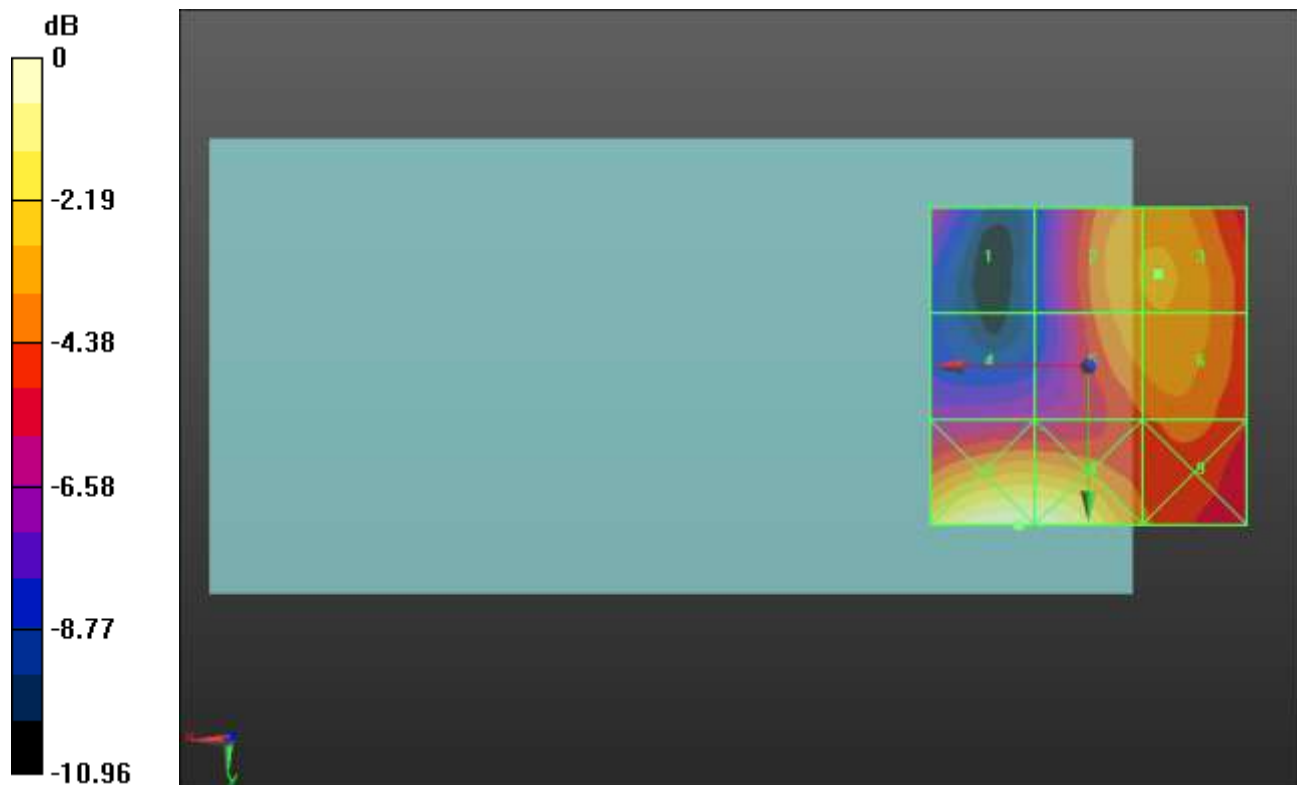
Applied MIF = -1.44 dB

RF audio interference level = 20.92 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 17.64 dBV/m	Grid 2 M4 20.84 dBV/m	Grid 3 M4 20.92 dBV/m
Grid 4 M4 17.53 dBV/m	Grid 5 M4 20.69 dBV/m	Grid 6 M4 20.79 dBV/m
Grid 7 M4 23.71 dBV/m	Grid 8 M4 23.64 dBV/m	Grid 9 M4 19.74 dBV/m



0 dB = 15.34 V/m = 23.72 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 = 7.850 V/m; Power Drift = -0.11 dB

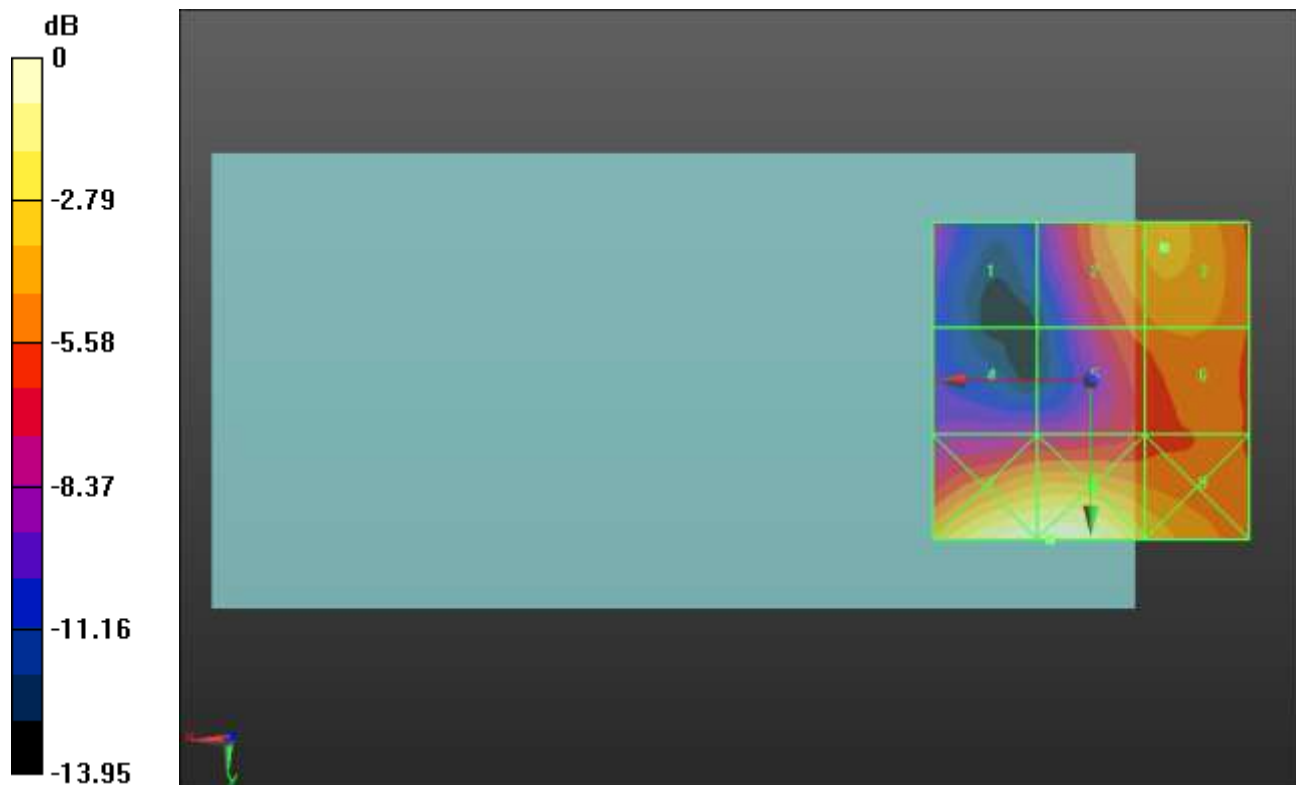
Applied MIF = -1.44 dB

RF audio interference level = 20.10 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 15.37 dBV/m	Grid 2 M4 19.93 dBV/m	Grid 3 M4 20.1 dBV/m
Grid 4 M4 15.62 dBV/m	Grid 5 M4 18.59 dBV/m	Grid 6 M4 19.14 dBV/m
Grid 7 M4 23.5 dBV/m	Grid 8 M4 23.58 dBV/m	Grid 9 M4 20.98 dBV/m



0 dB = 15.10 V/m = 23.58 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 = 11.57 V/m; Power Drift = -0.10 dB

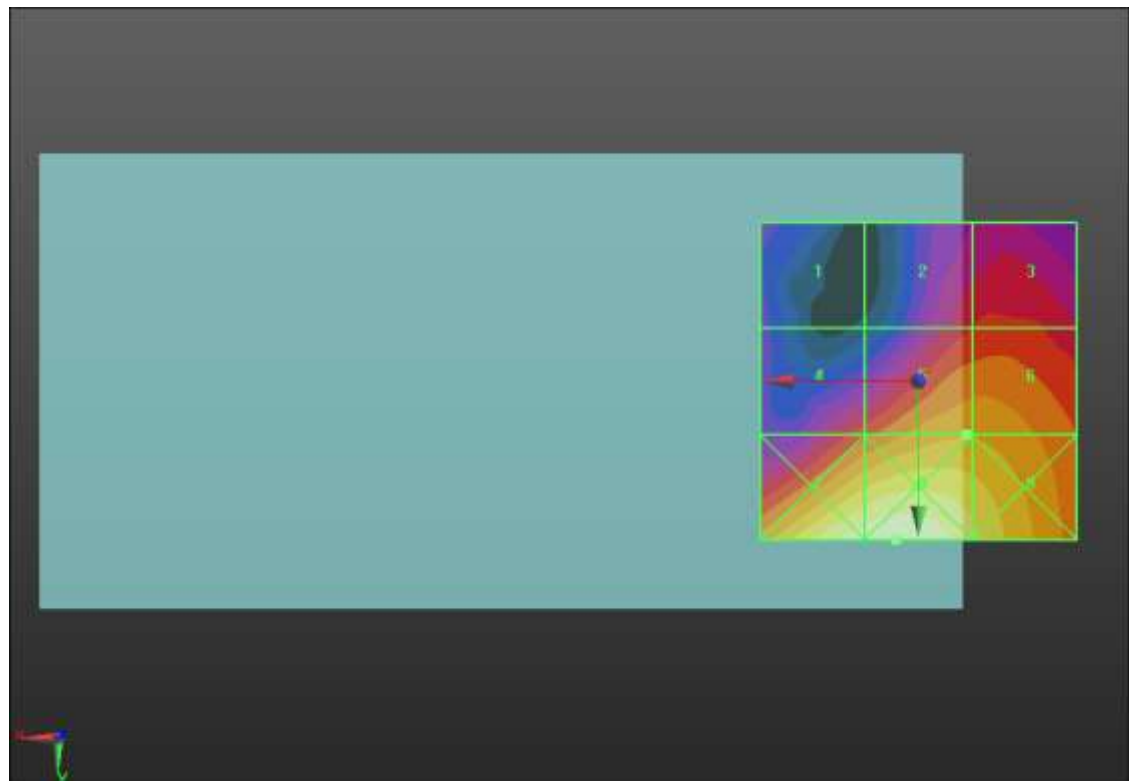
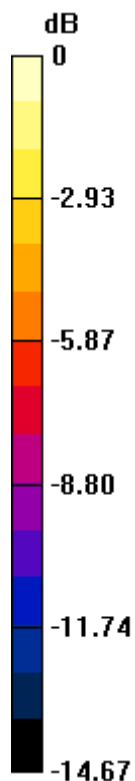
Applied MIF = -1.44 dB

RF audio interference level = 20.97 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 15.12 dBV/m	Grid 2 M4 18.15 dBV/m	Grid 3 M4 18.46 dBV/m
Grid 4 M4 18.83 dBV/m	Grid 5 M4 20.97 dBV/m	Grid 6 M4 20.96 dBV/m
Grid 7 M4 24.62 dBV/m	Grid 8 M4 24.96 dBV/m	Grid 9 M4 23.23 dBV/m



0 dB = 17.70 V/m = 24.96 dBV/m

HAC-RF Emission ANT1

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

Phantom section: RF Section

DASY5 Configuration:

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

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

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 11.67 V/m; Power Drift = -0.06 dB

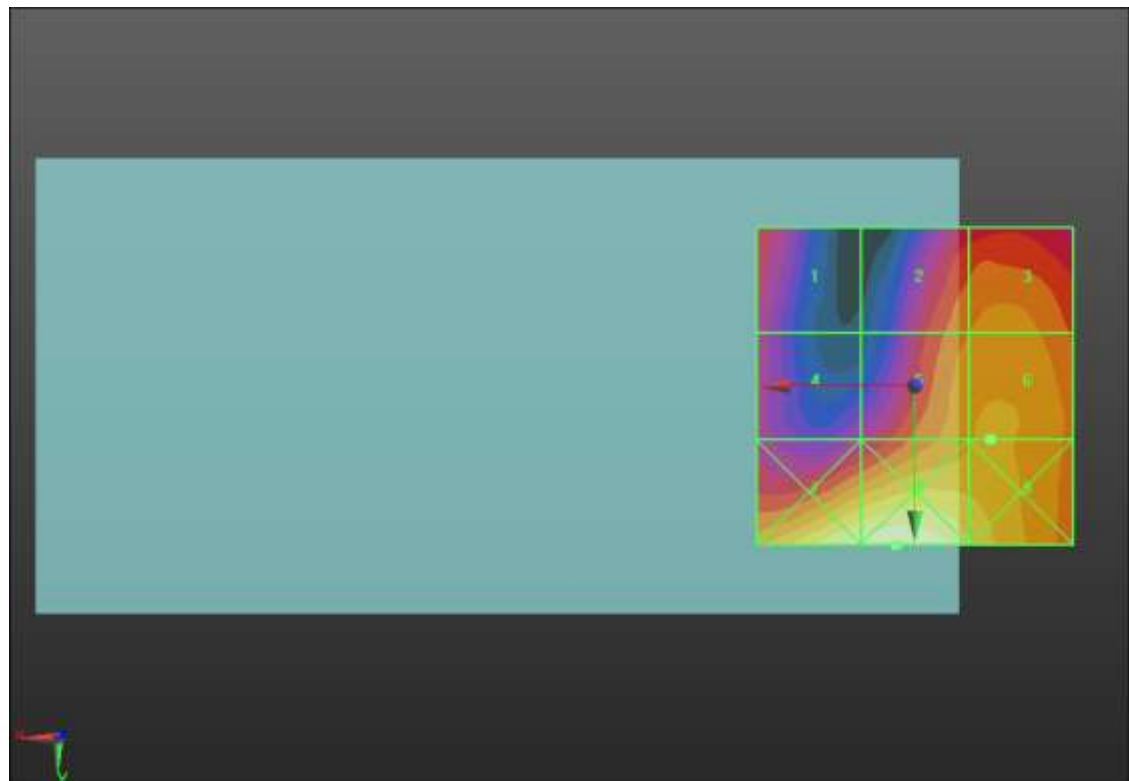
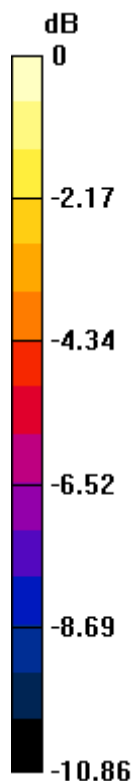
Applied MIF = -1.44 dB

RF audio interference level = 21.00 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 18.63 dBV/m	Grid 2 M4 20.13 dBV/m	Grid 3 M4 20.56 dBV/m
Grid 4 M4 18 dBV/m	Grid 5 M4 20.82 dBV/m	Grid 6 M4 21 dBV/m
Grid 7 M4 23.49 dBV/m	Grid 8 M4 23.76 dBV/m	Grid 9 M4 22.37 dBV/m



0 dB = 15.42 V/m = 23.76 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 = 12.93 V/m; Power Drift = -0.06 dB

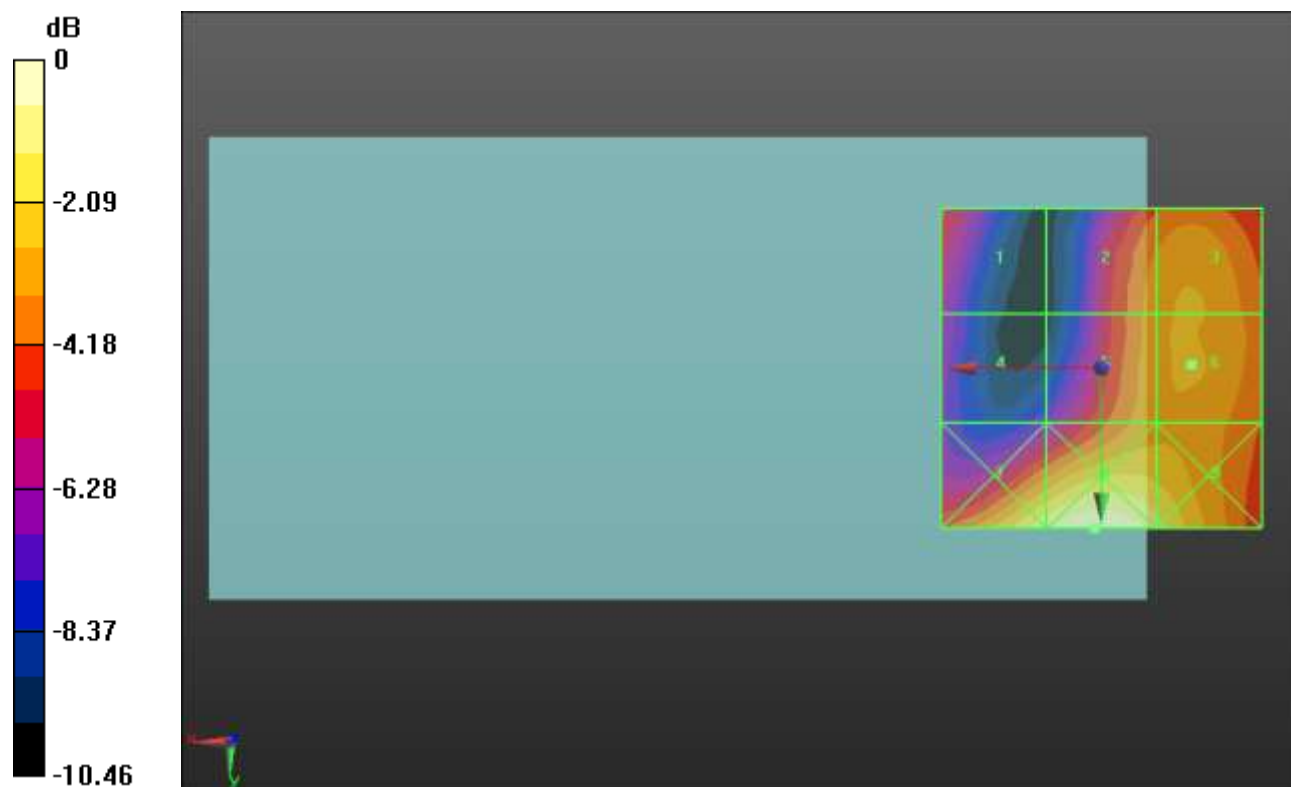
Applied MIF = -1.44 dB

RF audio interference level = 21.62 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 19.72 dBV/m	Grid 2 M4 21.19 dBV/m	Grid 3 M4 21.6 dBV/m
Grid 4 M4 18.19 dBV/m	Grid 5 M4 21.3 dBV/m	Grid 6 M4 21.62 dBV/m
Grid 7 M4 23.59 dBV/m	Grid 8 M4 24.3 dBV/m	Grid 9 M4 23.28 dBV/m



0 dB = 16.40 V/m = 24.30 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 = 41.67 V/m; Power Drift = 0.01 dB

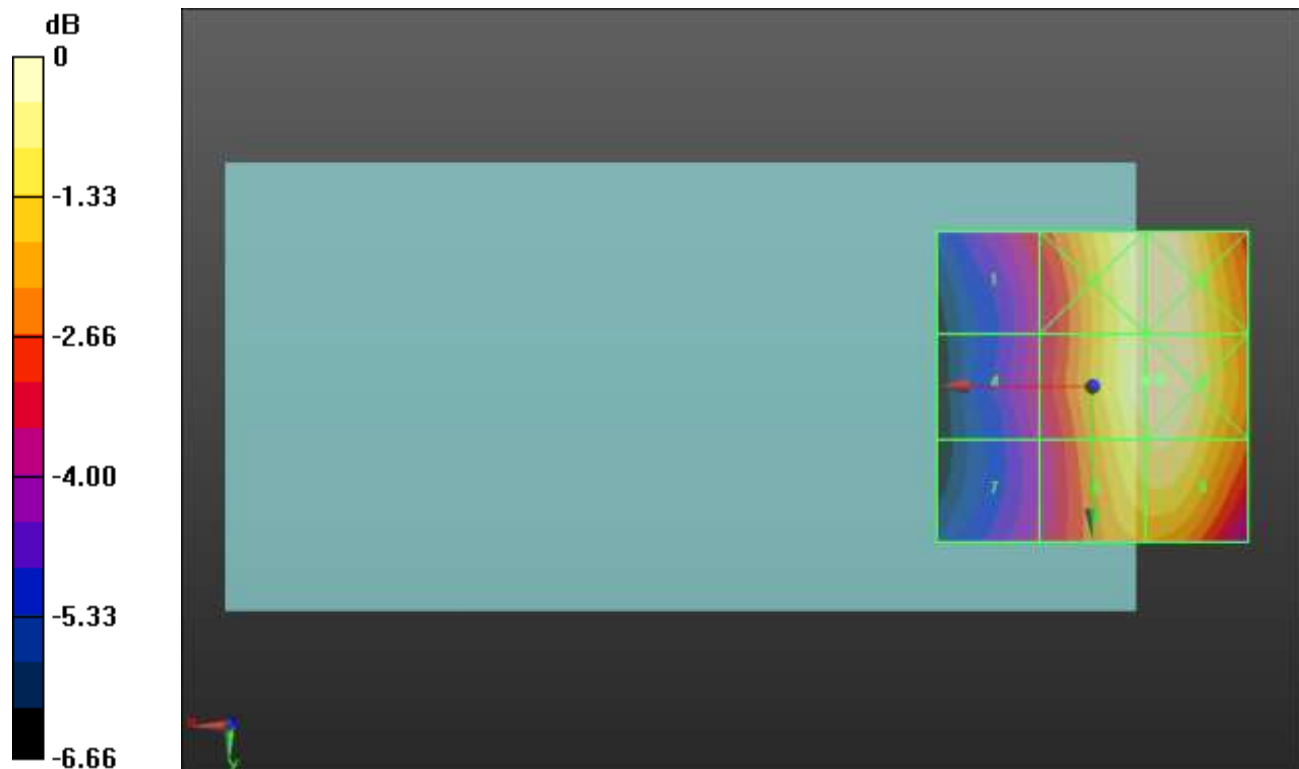
Applied MIF = 3.63 dB

RF audio interference level = 35.26 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 32.4 dBV/m	Grid 2 M4 35.22 dBV/m	Grid 3 M4 35.3 dBV/m
Grid 4 M4 31.93 dBV/m	Grid 5 M4 35.26 dBV/m	Grid 6 M4 35.4 dBV/m
Grid 7 M4 31.68 dBV/m	Grid 8 M4 34.89 dBV/m	Grid 9 M4 35.03 dBV/m



0 dB = 58.87 V/m = 35.40 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 = 42.25 V/m; Power Drift = -0.06 dB

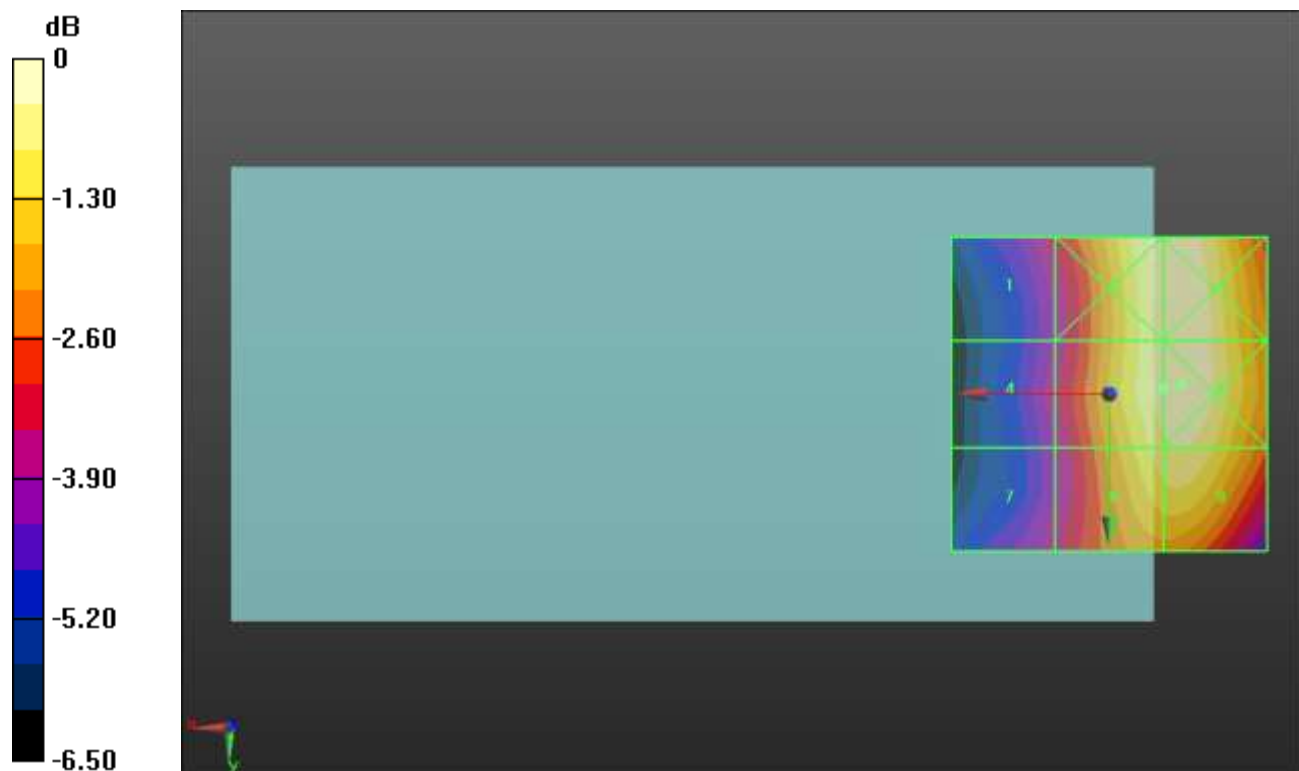
Applied MIF = 3.63 dB

RF audio interference level = 35.16 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 32.17 dBV/m	Grid 2 M4 35.17 dBV/m	Grid 3 M4 35.27 dBV/m
Grid 4 M4 31.79 dBV/m	Grid 5 M4 35.16 dBV/m	Grid 6 M4 35.33 dBV/m
Grid 7 M4 31.74 dBV/m	Grid 8 M4 34.75 dBV/m	Grid 9 M4 34.9 dBV/m



0 dB = 58.40 V/m = 35.33 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 = 45.02 V/m; Power Drift = -0.19 dB

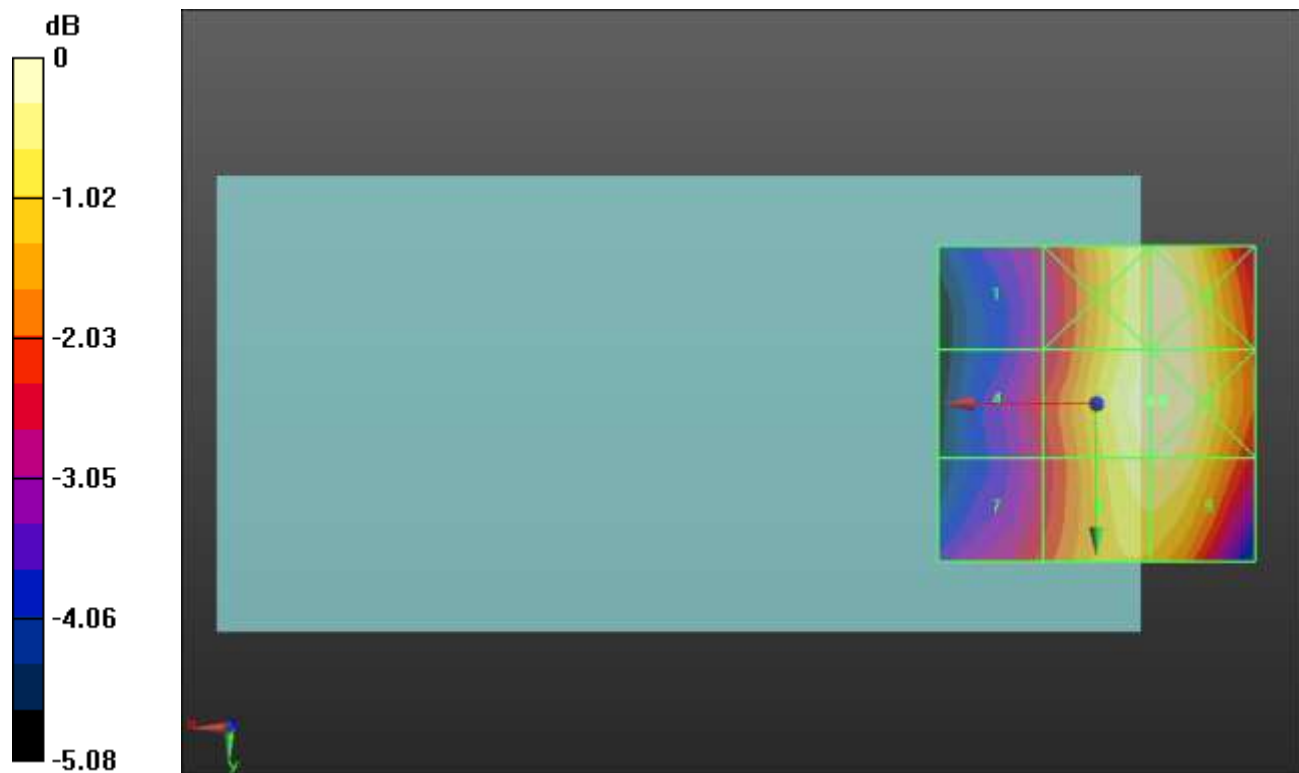
Applied MIF = 3.63 dB

RF audio interference level = 34.50 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 31.83 dBV/m	Grid 2 M4 34.37 dBV/m	Grid 3 M4 34.44 dBV/m
Grid 4 M4 32.19 dBV/m	Grid 5 M4 34.5 dBV/m	Grid 6 M4 34.55 dBV/m
Grid 7 M4 32.36 dBV/m	Grid 8 M4 34.23 dBV/m	Grid 9 M4 34.25 dBV/m



0 dB = 53.40 V/m = 34.55 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 = 21.14 V/m; Power Drift = -0.05 dB

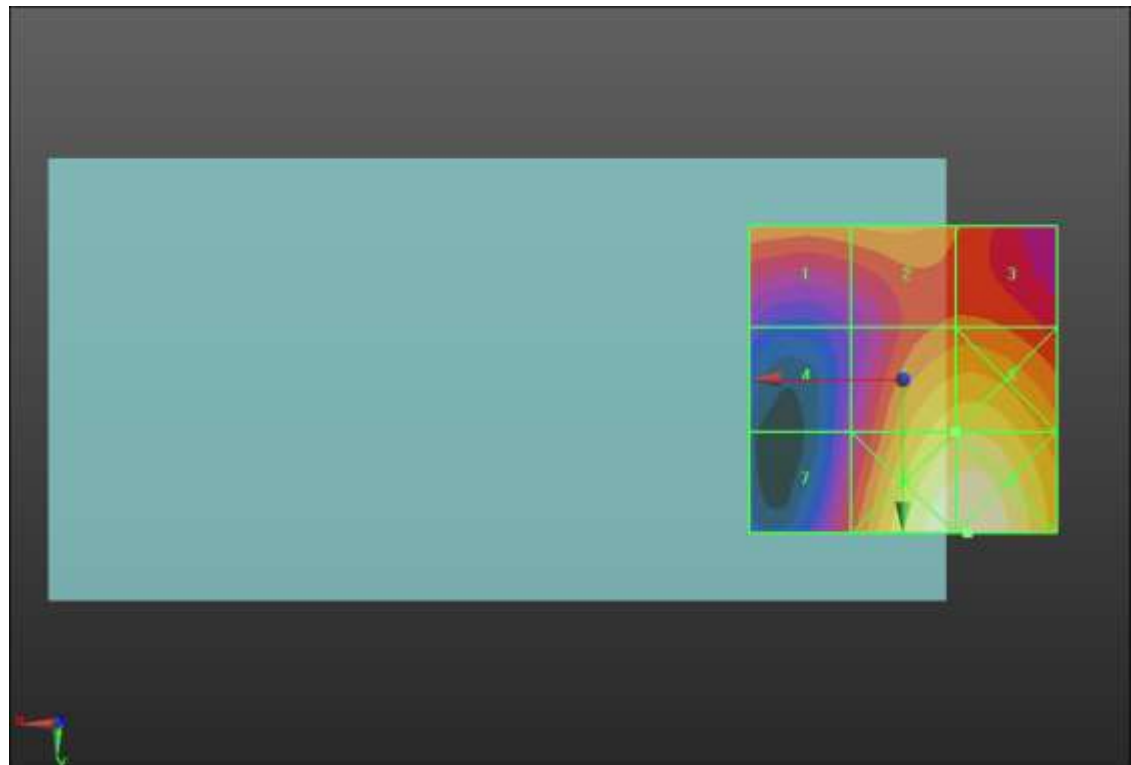
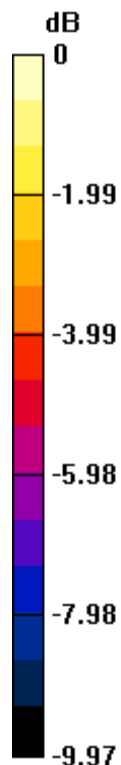
Applied MIF = 3.63 dB

RF audio interference level = 30.31 dBV/m

Emission category: **M3**

MIF scaled E-field

Grid 1 M4 28.44 dBV/m	Grid 2 M4 28.64 dBV/m	Grid 3 M4 28.01 dBV/m
Grid 4 M4 25.75 dBV/m	Grid 5 M3 30.31 dBV/m	Grid 6 M3 30.41 dBV/m
Grid 7 M4 27.44 dBV/m	Grid 8 M3 31.72 dBV/m	Grid 9 M3 31.76 dBV/m



0 dB = 38.74 V/m = 31.76 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 = 16.82 V/m; Power Drift = -0.09 dB

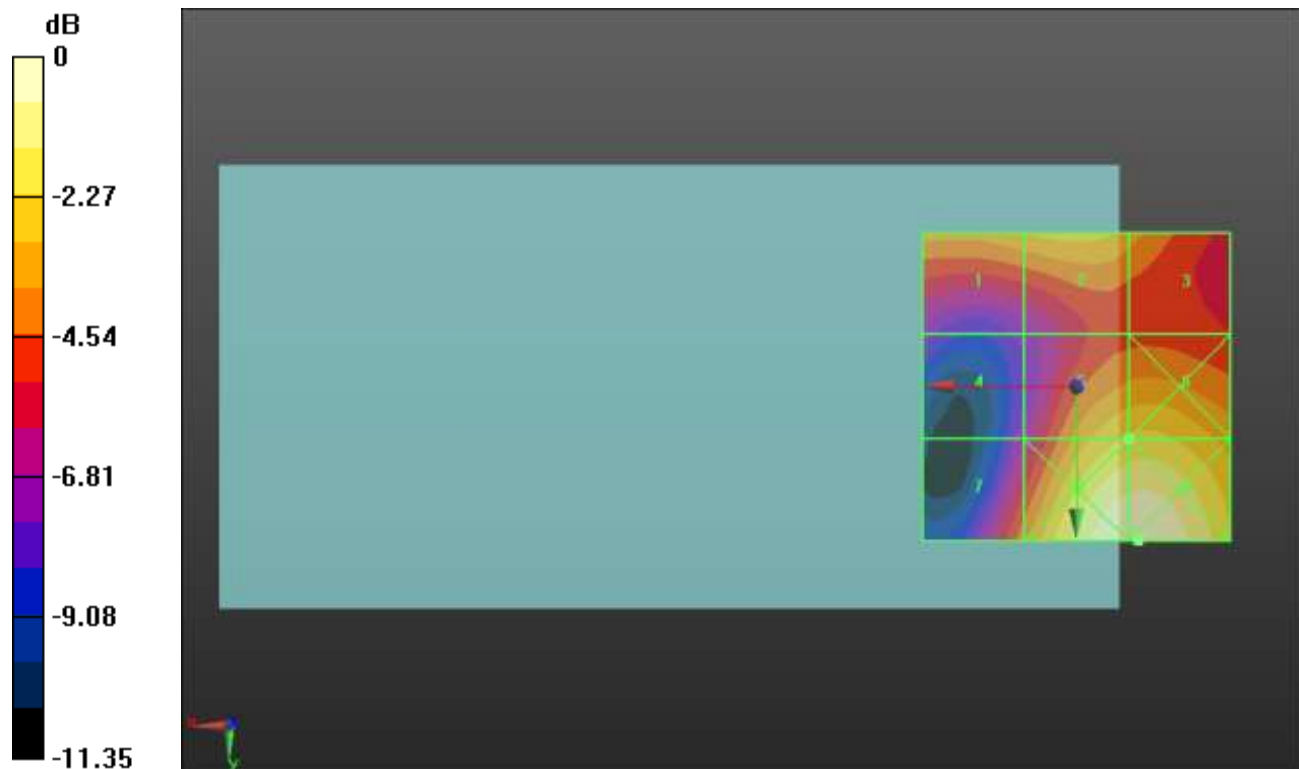
Applied MIF = 3.63 dB

RF audio interference level = 28.77 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 27.91 dBV/m	Grid 2 M4 28.21 dBV/m	Grid 3 M4 27.51 dBV/m
Grid 4 M4 24.2 dBV/m	Grid 5 M4 28.77 dBV/m	Grid 6 M4 28.89 dBV/m
Grid 7 M4 26.91 dBV/m	Grid 8 M3 30.88 dBV/m	Grid 9 M3 30.9 dBV/m



0 dB = 35.09 V/m = 30.90 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 = 16.26 V/m; Power Drift = -0.10 dB

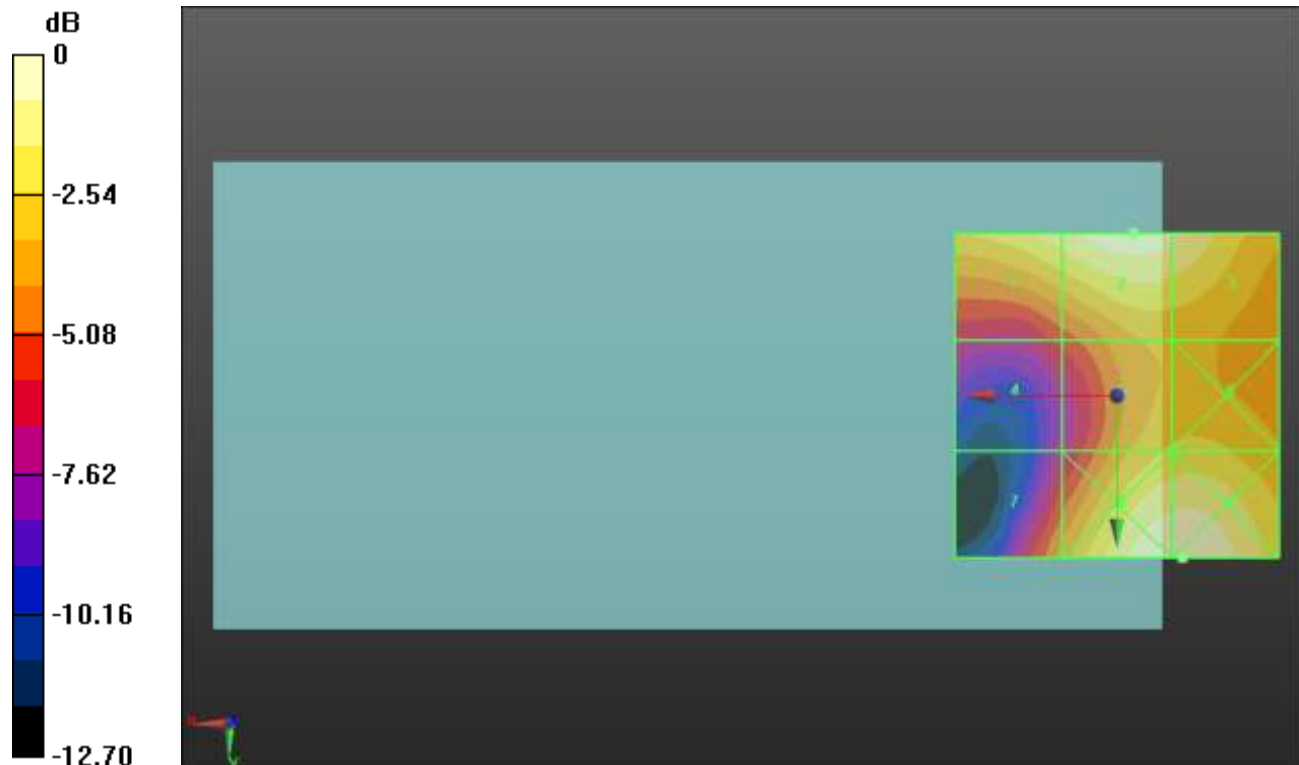
Applied MIF = 3.63 dB

RF audio interference level = 29.85 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 28.94 dBV/m	Grid 2 M4 29.85 dBV/m	Grid 3 M4 29.44 dBV/m
Grid 4 M4 24.5 dBV/m	Grid 5 M4 27.73 dBV/m	Grid 6 M4 27.87 dBV/m
Grid 7 M4 26.21 dBV/m	Grid 8 M3 30.06 dBV/m	Grid 9 M3 30.08 dBV/m



0 dB = 31.92 V/m = 30.08 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 = 52.29 V/m; Power Drift = 0.07 dB

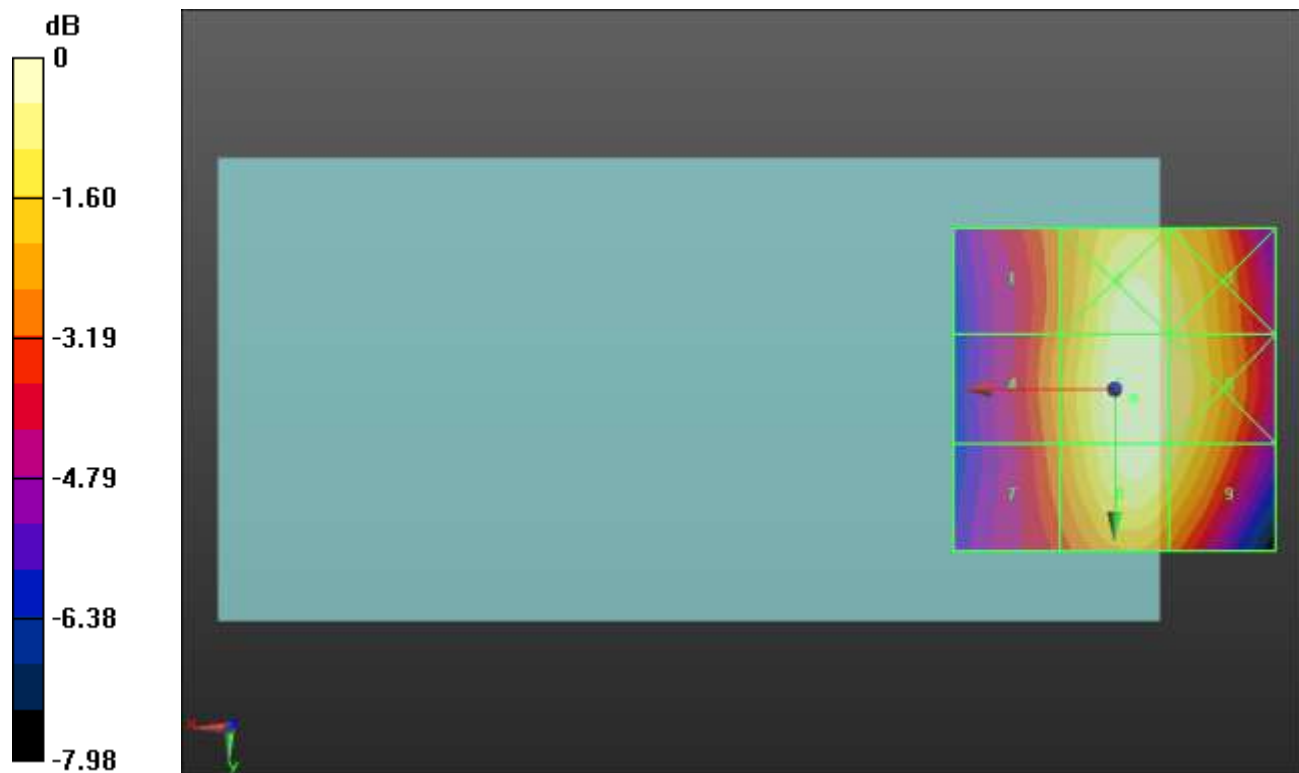
Applied MIF = 3.26 dB

RF audio interference level = 33.43 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 30.92 dBV/m	Grid 2 M4 33.28 dBV/m	Grid 3 M4 32.8 dBV/m
Grid 4 M4 31.17 dBV/m	Grid 5 M4 33.43 dBV/m	Grid 6 M4 32.96 dBV/m
Grid 7 M4 30.89 dBV/m	Grid 8 M4 33.26 dBV/m	Grid 9 M4 32.72 dBV/m



0 dB = 46.91 V/m = 33.43 dBV/m

HAC-RF Emission ANT2

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

Phantom section: RF Section

DASY5 Configuration:

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

CDMA2000 BC0 E-Field measurement/RC1_SO3_Ch.384/Hearing Aid Compatibility Test (101x101x1):

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

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 50.76 V/m; Power Drift = 0.06 dB

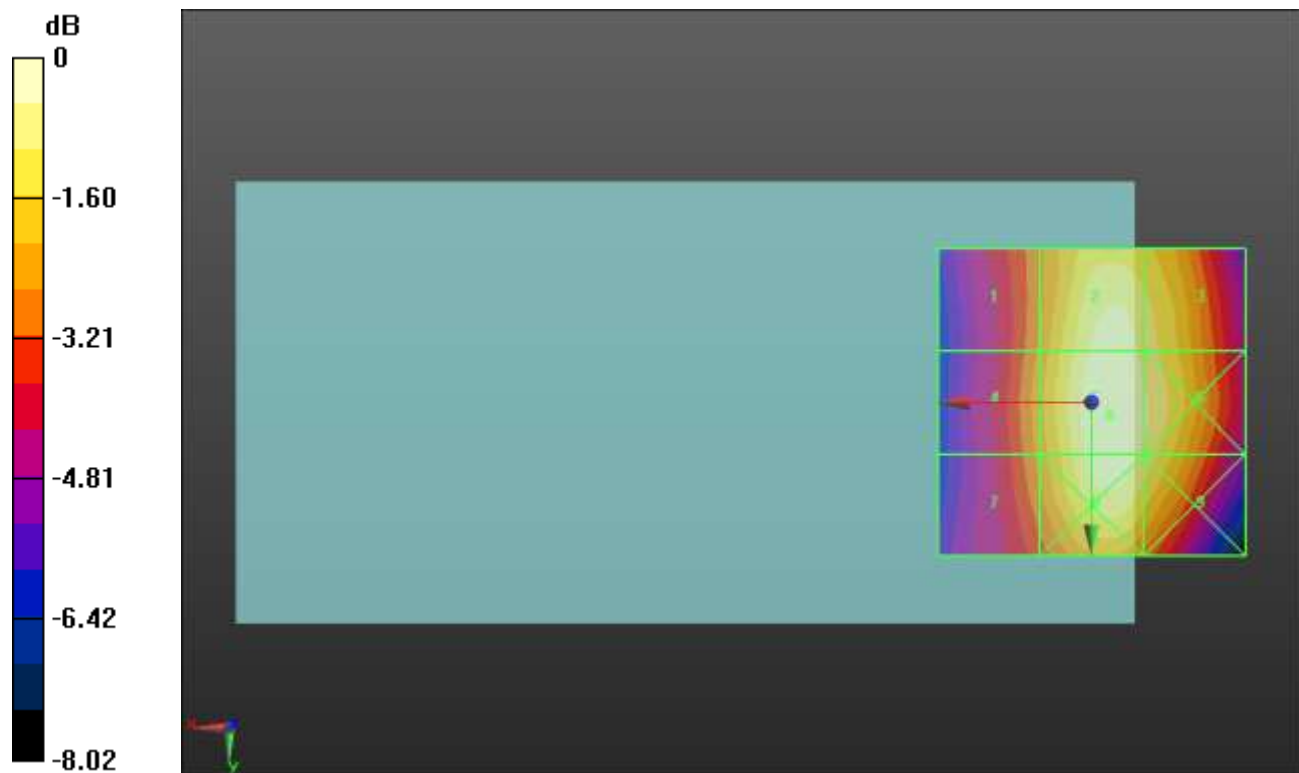
Applied MIF = 3.26 dB

RF audio interference level = 33.14 dBV/m

Emission category: **M4**

MIF scaled E-field

Grid 1 M4 30.58 dBV/m	Grid 2 M4 32.88 dBV/m	Grid 3 M4 32.44 dBV/m
Grid 4 M4 30.82 dBV/m	Grid 5 M4 33.14 dBV/m	Grid 6 M4 32.71 dBV/m
Grid 7 M4 30.63 dBV/m	Grid 8 M4 32.99 dBV/m	Grid 9 M4 32.44 dBV/m



0 dB = 45.38 V/m = 33.14 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 = 47.73 V/m; Power Drift = -0.03 dB

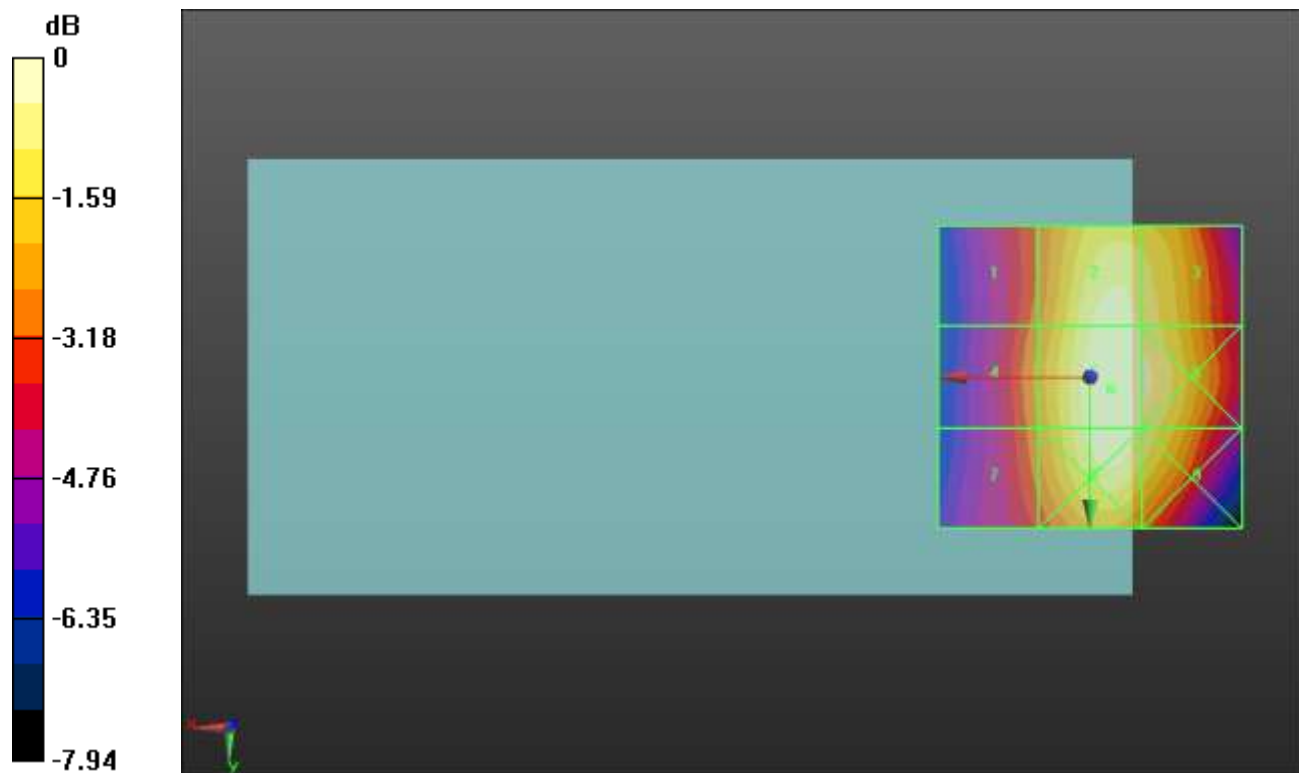
Applied MIF = 3.26 dB

RF audio interference level = 32.52 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 29.75 dBV/m	Grid 2 M4 32.24 dBV/m	Grid 3 M4 31.92 dBV/m
Grid 4 M4 30.15 dBV/m	Grid 5 M4 32.52 dBV/m	Grid 6 M4 32.23 dBV/m
Grid 7 M4 29.92 dBV/m	Grid 8 M4 32.38 dBV/m	Grid 9 M4 31.93 dBV/m



0 dB = 42.26 V/m = 32.52 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 = 8.605 V/m; Power Drift = -0.12 dB

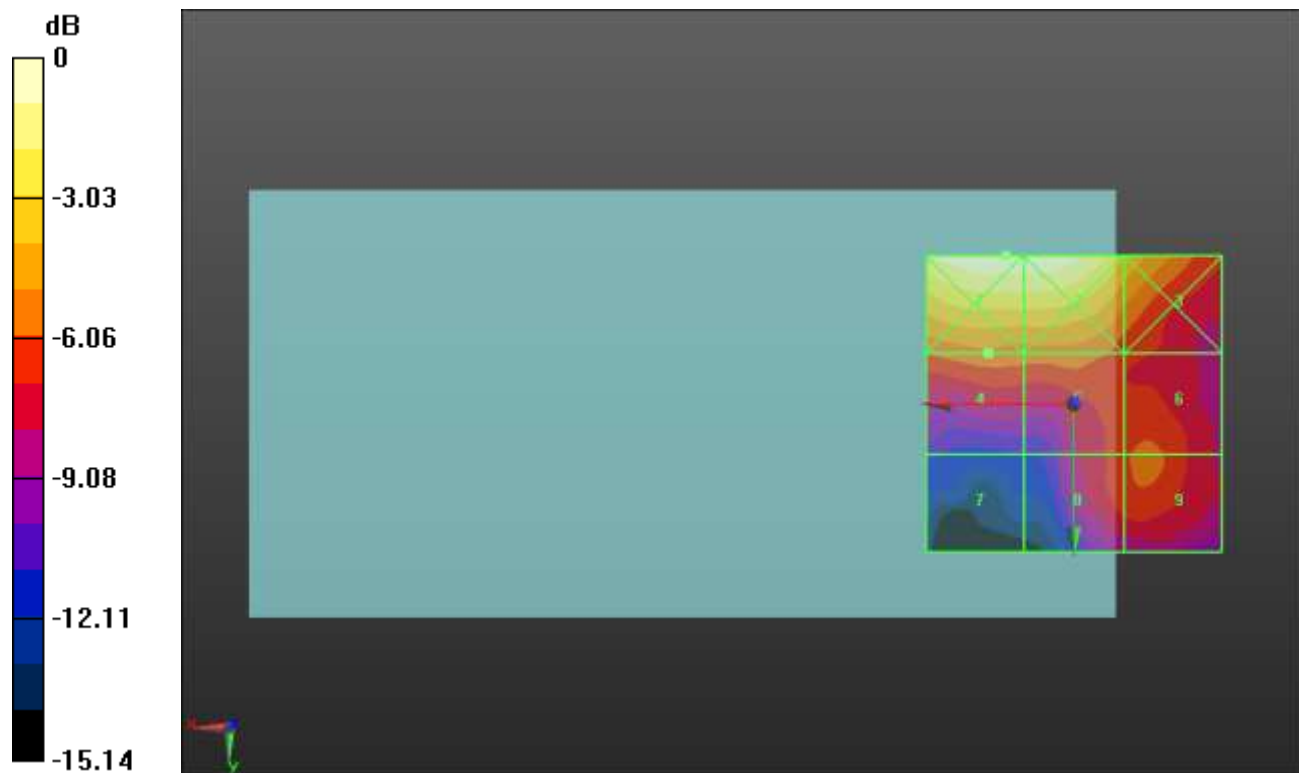
Applied MIF = 3.26 dB

RF audio interference level = 22.06 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 27.35 dBV/m	Grid 2 M4 27.33 dBV/m	Grid 3 M4 24.34 dBV/m
Grid 4 M4 22.06 dBV/m	Grid 5 M4 21.95 dBV/m	Grid 6 M4 21.48 dBV/m
Grid 7 M4 16.69 dBV/m	Grid 8 M4 21.14 dBV/m	Grid 9 M4 21.51 dBV/m



0 dB = 23.30 V/m = 27.35 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 = 8.854 V/m; Power Drift = -0.01 dB

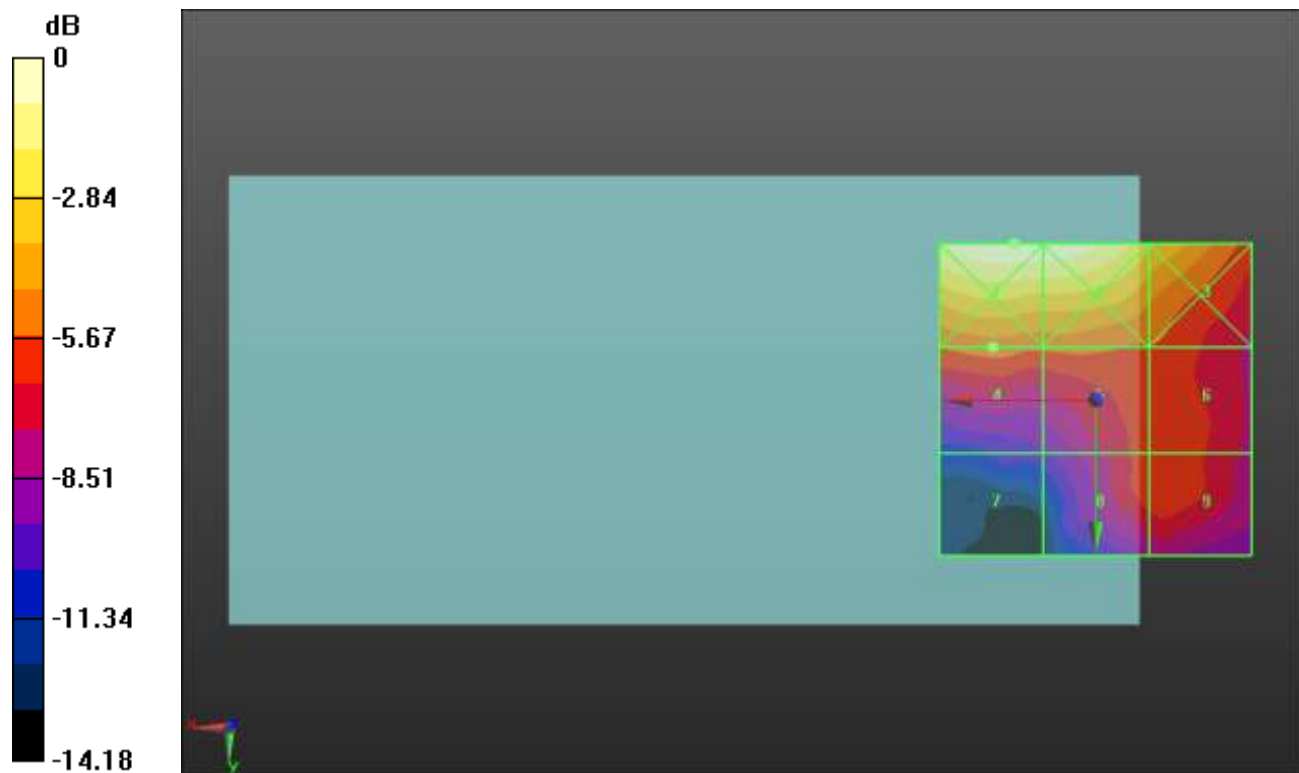
Applied MIF = 3.26 dB

RF audio interference level = 22.01 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 27.17 dBV/m	Grid 2 M4 27.1 dBV/m	Grid 3 M4 24.6 dBV/m
Grid 4 M4 22.01 dBV/m	Grid 5 M4 21.88 dBV/m	Grid 6 M4 21.47 dBV/m
Grid 7 M4 17.53 dBV/m	Grid 8 M4 21.23 dBV/m	Grid 9 M4 21.44 dBV/m



0 dB = 22.84 V/m = 27.17 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 = 9.260 V/m; Power Drift = -0.13 dB

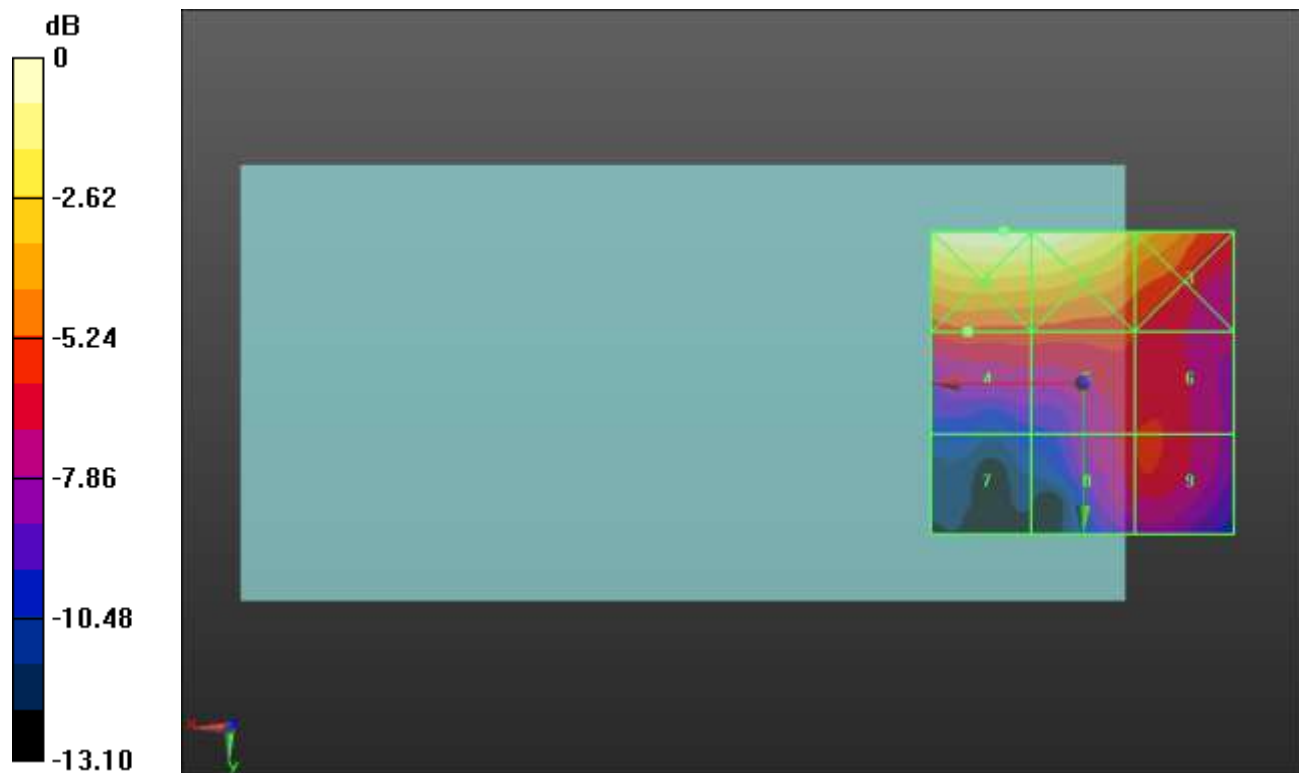
Applied MIF = 3.26 dB

RF audio interference level = 21.70 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 27.1 dBV/m	Grid 2 M4 27.04 dBV/m	Grid 3 M4 24.37 dBV/m
Grid 4 M4 21.7 dBV/m	Grid 5 M4 21.58 dBV/m	Grid 6 M4 21.24 dBV/m
Grid 7 M4 17.19 dBV/m	Grid 8 M4 21.03 dBV/m	Grid 9 M4 21.29 dBV/m



0 dB = 22.66 V/m = 27.11 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 = 52.08 V/m; Power Drift = -0.03 dB

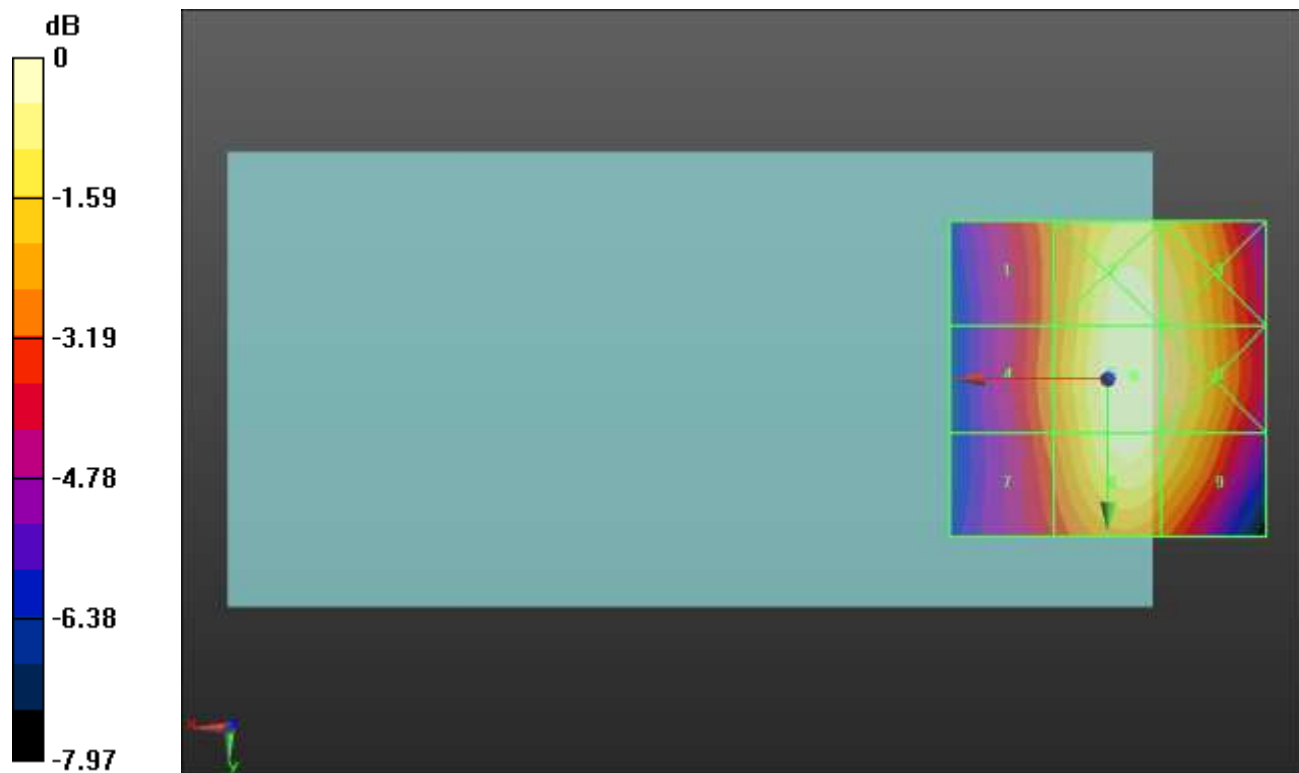
Applied MIF = 3.26 dB

RF audio interference level = 33.52 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 30.9 dBV/m	Grid 2 M4 33.29 dBV/m	Grid 3 M4 32.99 dBV/m
Grid 4 M4 31.12 dBV/m	Grid 5 M4 33.52 dBV/m	Grid 6 M4 33.14 dBV/m
Grid 7 M4 30.8 dBV/m	Grid 8 M4 33.26 dBV/m	Grid 9 M4 32.82 dBV/m



0 dB = 47.40 V/m = 33.52 dBV/m

HAC-RF Emission ANT2

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

Phantom section: RF Section

DASY5 Configuration:

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

CDMA2000 BC10 E-Field measurement/RC1_SO3_Ch.560/Hearing Aid Compatibility

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

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 52.63 V/m; Power Drift = -0.01 dB

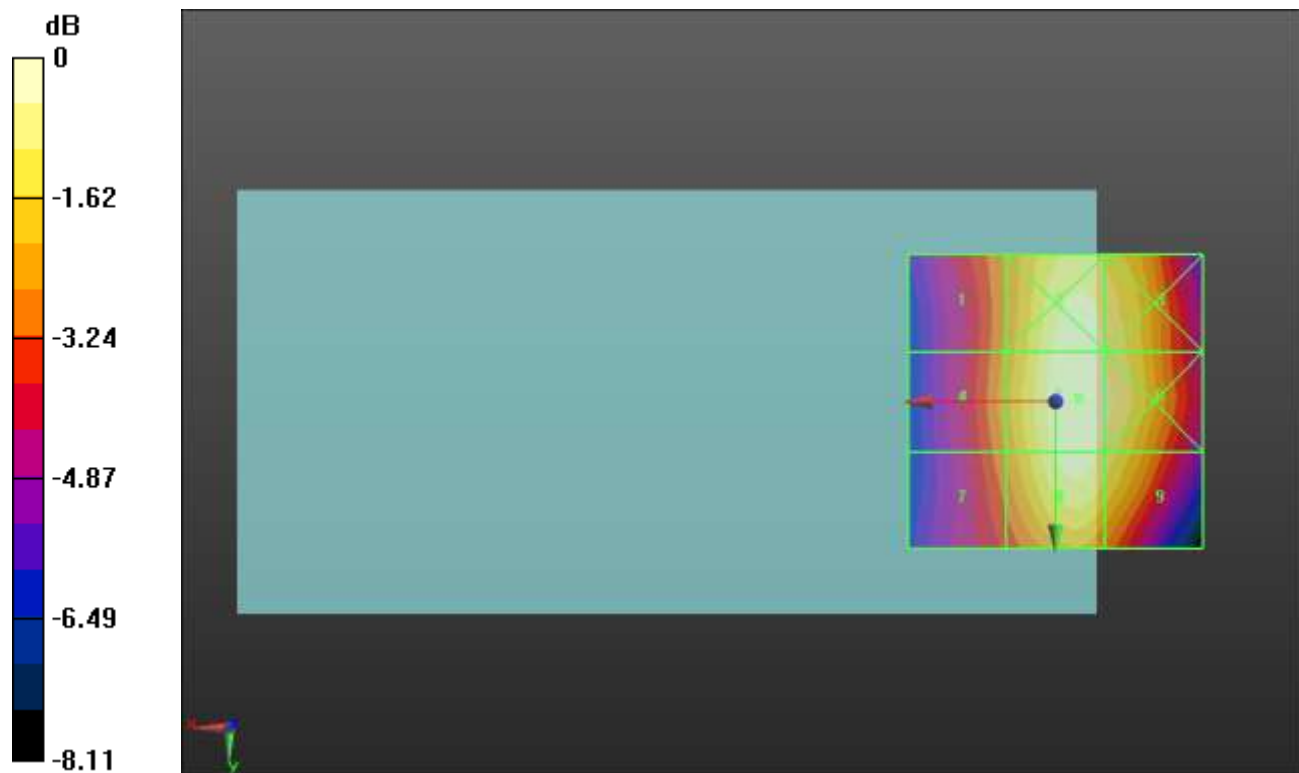
Applied MIF = 3.26 dB

RF audio interference level = 33.54 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 30.99 dBV/m	Grid 2 M4 33.35 dBV/m	Grid 3 M4 32.98 dBV/m
Grid 4 M4 31.21 dBV/m	Grid 5 M4 33.54 dBV/m	Grid 6 M4 33.17 dBV/m
Grid 7 M4 30.89 dBV/m	Grid 8 M4 33.29 dBV/m	Grid 9 M4 32.82 dBV/m



0 dB = 47.54 V/m = 33.54 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 = 52.67 V/m; Power Drift = -0.04 dB

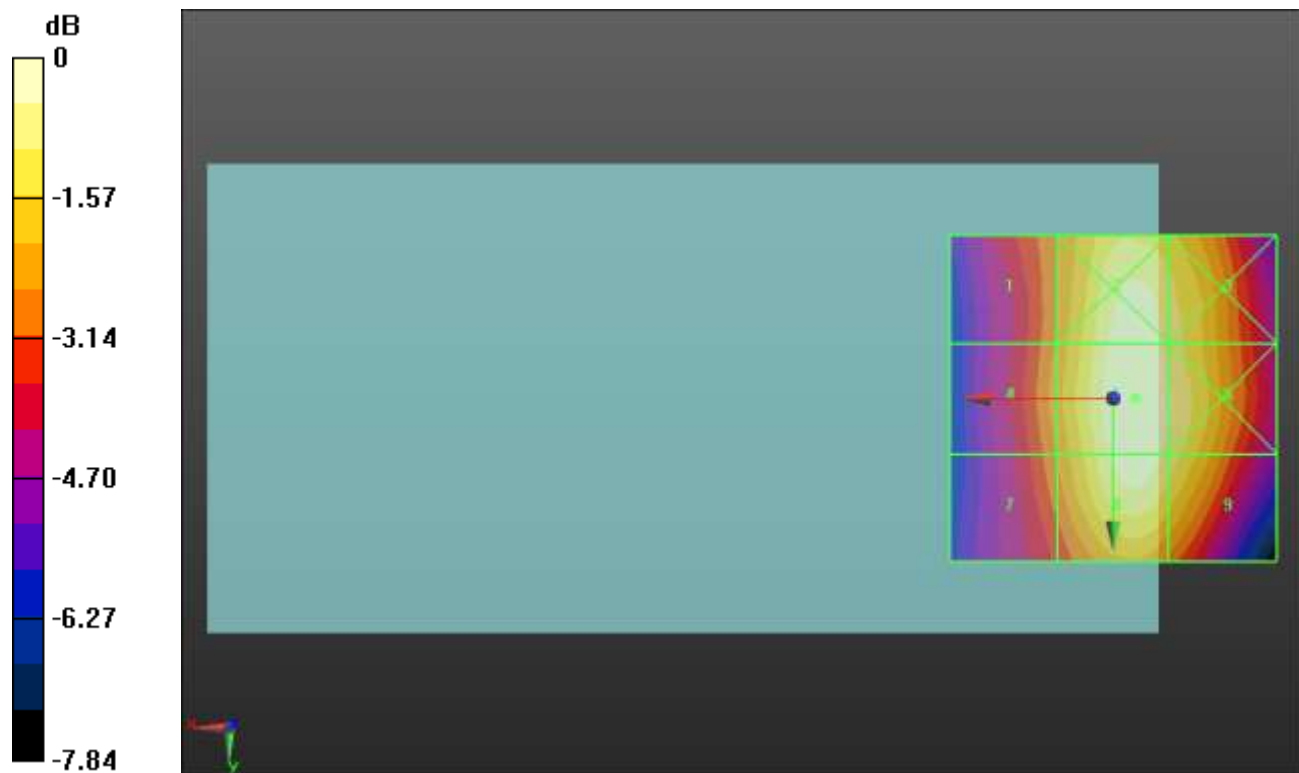
Applied MIF = 3.26 dB

RF audio interference level = 33.45 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 30.99 dBV/m	Grid 2 M4 33.28 dBV/m	Grid 3 M4 32.78 dBV/m
Grid 4 M4 31.22 dBV/m	Grid 5 M4 33.45 dBV/m	Grid 6 M4 33.02 dBV/m
Grid 7 M4 30.92 dBV/m	Grid 8 M4 33.26 dBV/m	Grid 9 M4 32.75 dBV/m



0 dB = 47.06 V/m = 33.45 dBV/m

HAC-RF Emission ANT2

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

Phantom section: RF Section

DASY5 Configuration:

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

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

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

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 40.87 V/m; Power Drift = -0.14 dB

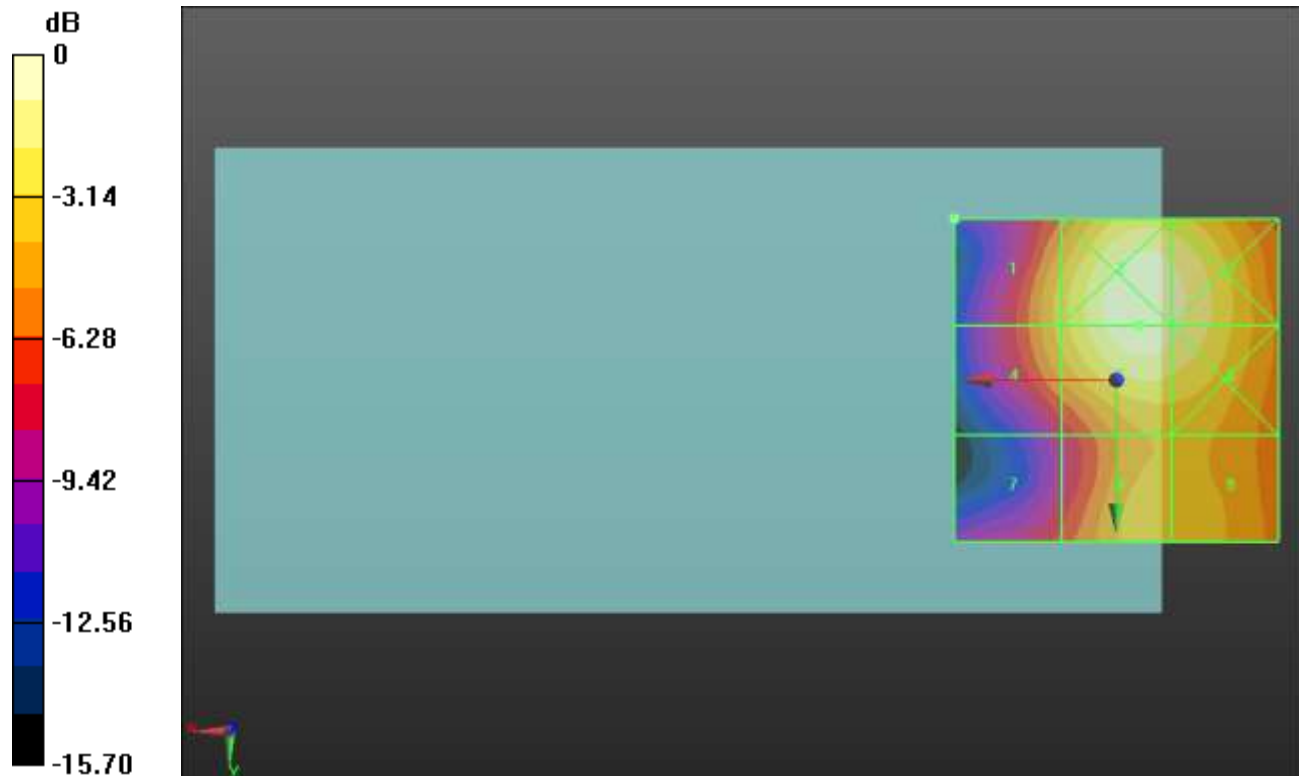
Applied MIF = -1.44 dB

RF audio interference level = 29.52 dBV/m

Emission category: **M4**

MIF scaled E-field

Grid 1 M4 26.23 dBV/m	Grid 2 M4 29.75 dBV/m	Grid 3 M4 29.18 dBV/m
Grid 4 M4 26.14 dBV/m	Grid 5 M4 29.52 dBV/m	Grid 6 M4 28.99 dBV/m
Grid 7 M4 22.85 dBV/m	Grid 8 M4 26.52 dBV/m	Grid 9 M4 26.5 dBV/m



0 dB = 30.73 V/m = 29.75 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 = 41.75 V/m; Power Drift = -0.00 dB

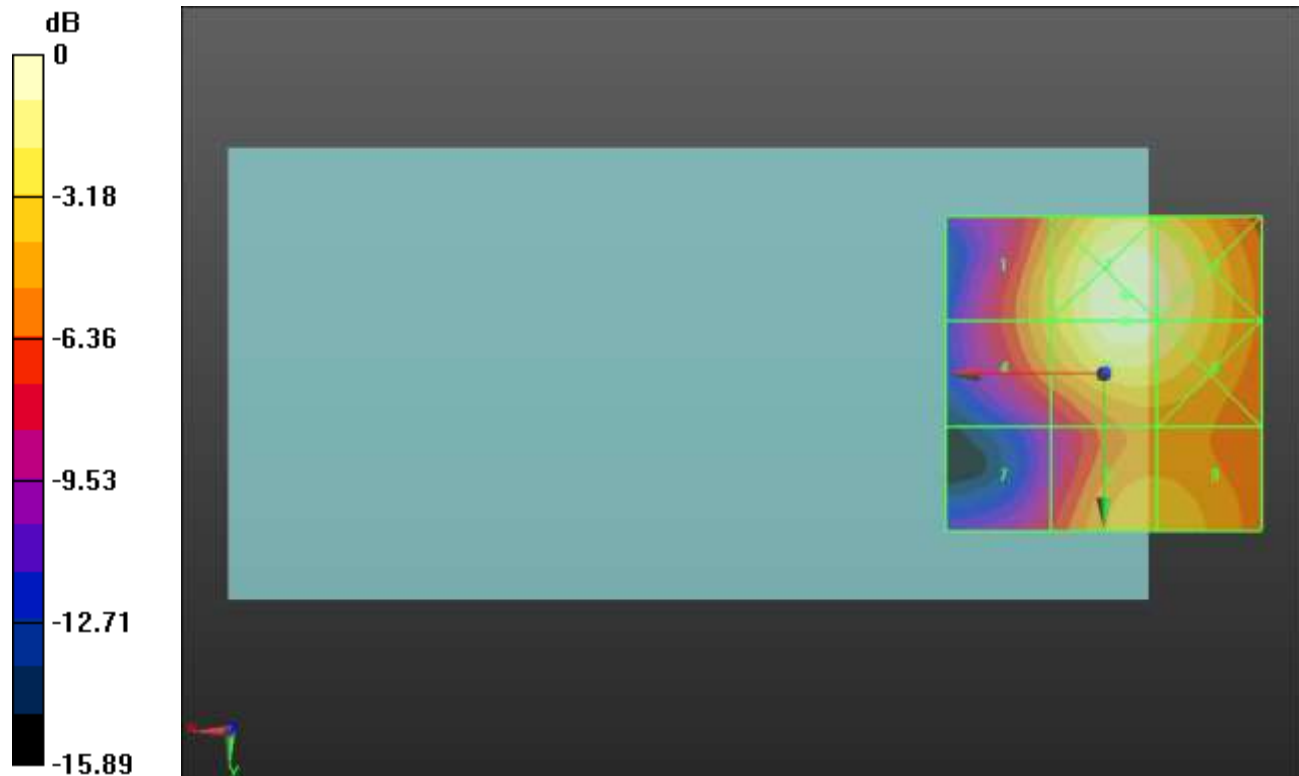
Applied MIF = -1.44 dB

RF audio interference level = 29.87 dBV/m

Emission category: **M4**

MIF scaled E-field

Grid 1 M4 26.7 dBV/m	Grid 2 M3 30.16 dBV/m	Grid 3 M4 29.54 dBV/m
Grid 4 M4 26.56 dBV/m	Grid 5 M4 29.87 dBV/m	Grid 6 M4 29.28 dBV/m
Grid 7 M4 22.75 dBV/m	Grid 8 M4 26.92 dBV/m	Grid 9 M4 26.89 dBV/m



0 dB = 32.21 V/m = 30.16 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 = 45.59 V/m; Power Drift = 0.01 dB

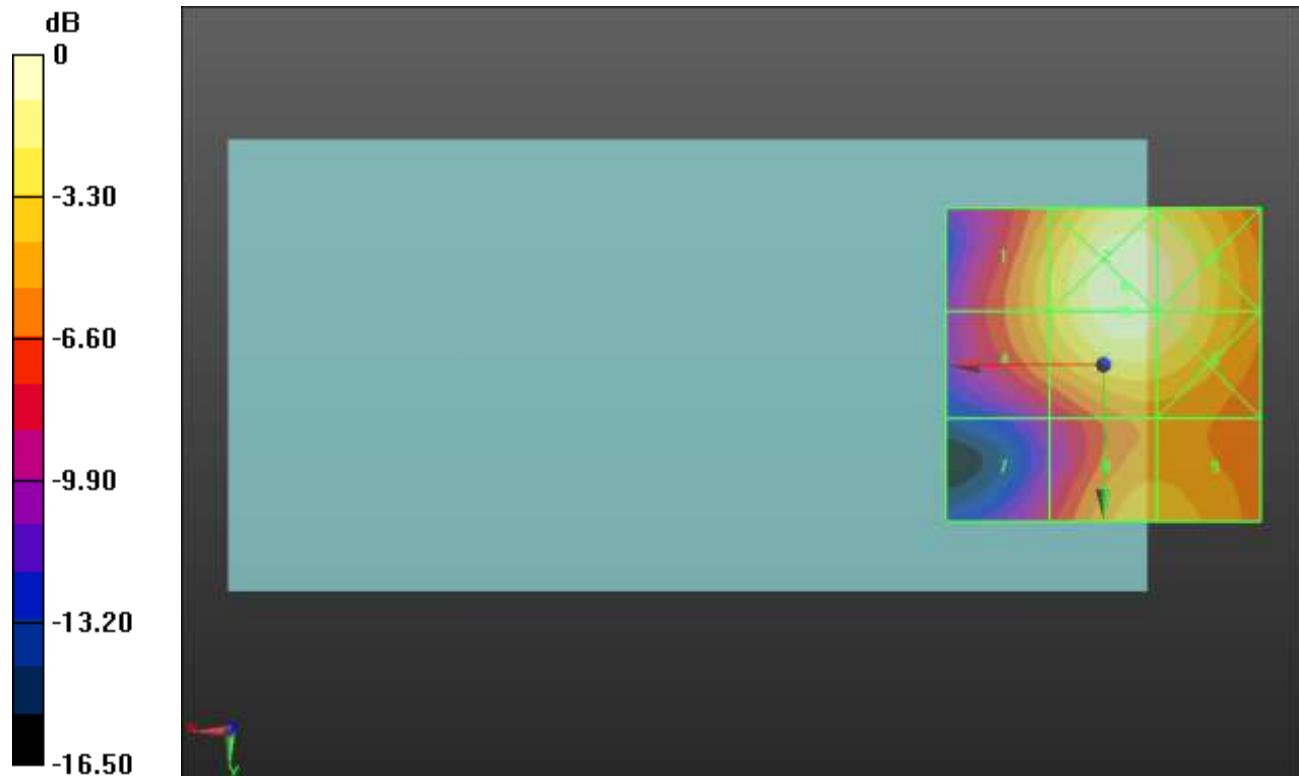
Applied MIF = -1.44 dB

RF audio interference level = 30.50 dBV/m

Emission category: **M3**

MIF scaled E-field

Grid 1 M4 27.5 dBV/m	Grid 2 M3 30.77 dBV/m	Grid 3 M3 30.22 dBV/m
Grid 4 M4 27.38 dBV/m	Grid 5 M3 30.5 dBV/m	Grid 6 M4 29.96 dBV/m
Grid 7 M4 22.81 dBV/m	Grid 8 M4 27.16 dBV/m	Grid 9 M4 27.14 dBV/m



0 dB = 34.57 V/m = 30.77 dBV/m

HAC-RF Emission ANT2

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

Phantom section: RF Section

DASY5 Configuration:

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

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

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 48.86 V/m; Power Drift = -0.00 dB

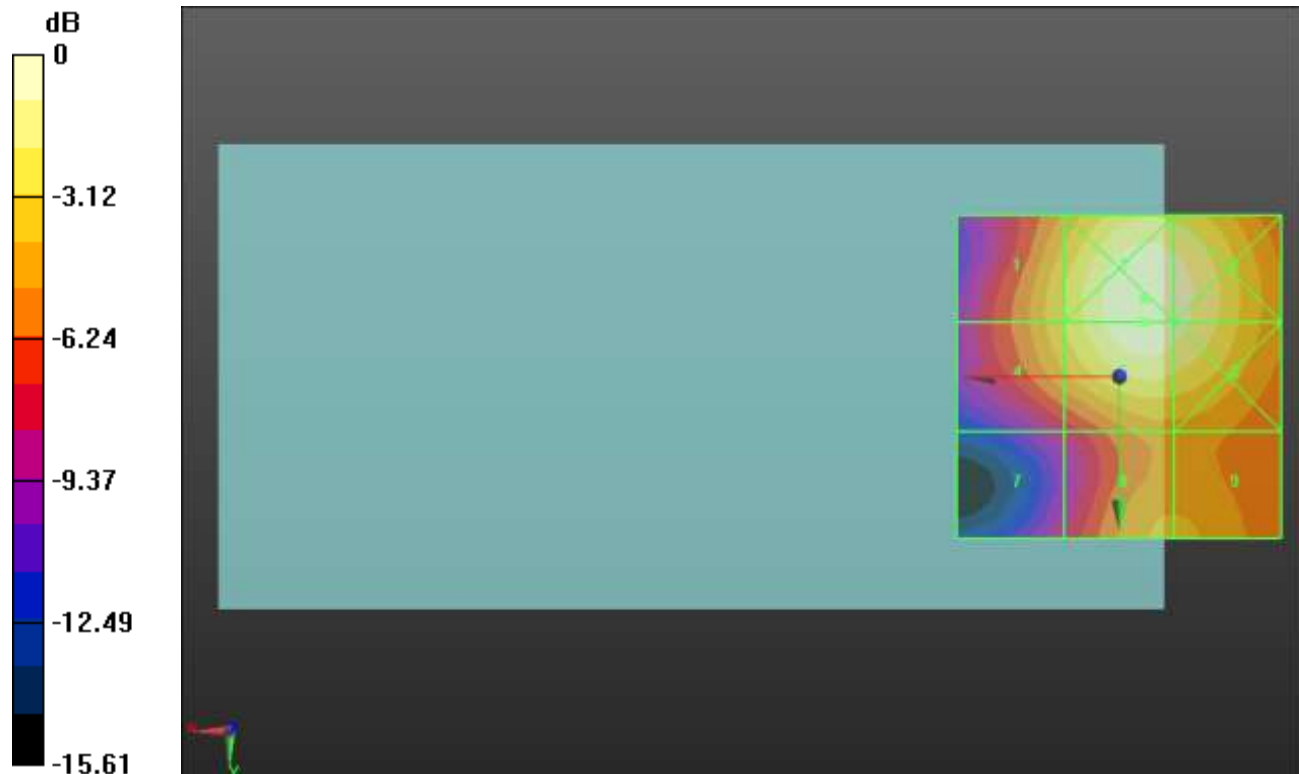
Applied MIF = -1.44 dB

RF audio interference level = 30.77 dBV/m

Emission category: **M3**

MIF scaled E-field

Grid 1 M4 27.96 dBV/m	Grid 2 M3 30.95 dBV/m	Grid 3 M3 30.48 dBV/m
Grid 4 M4 27.88 dBV/m	Grid 5 M3 30.77 dBV/m	Grid 6 M3 30.3 dBV/m
Grid 7 M4 22.89 dBV/m	Grid 8 M4 27.06 dBV/m	Grid 9 M4 27.06 dBV/m



0 dB = 35.26 V/m = 30.95 dBV/m

HAC-RF Emission ANT2

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

Phantom section: RF Section

DASY5 Configuration:

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

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

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 47.99 V/m; Power Drift = 0.00 dB

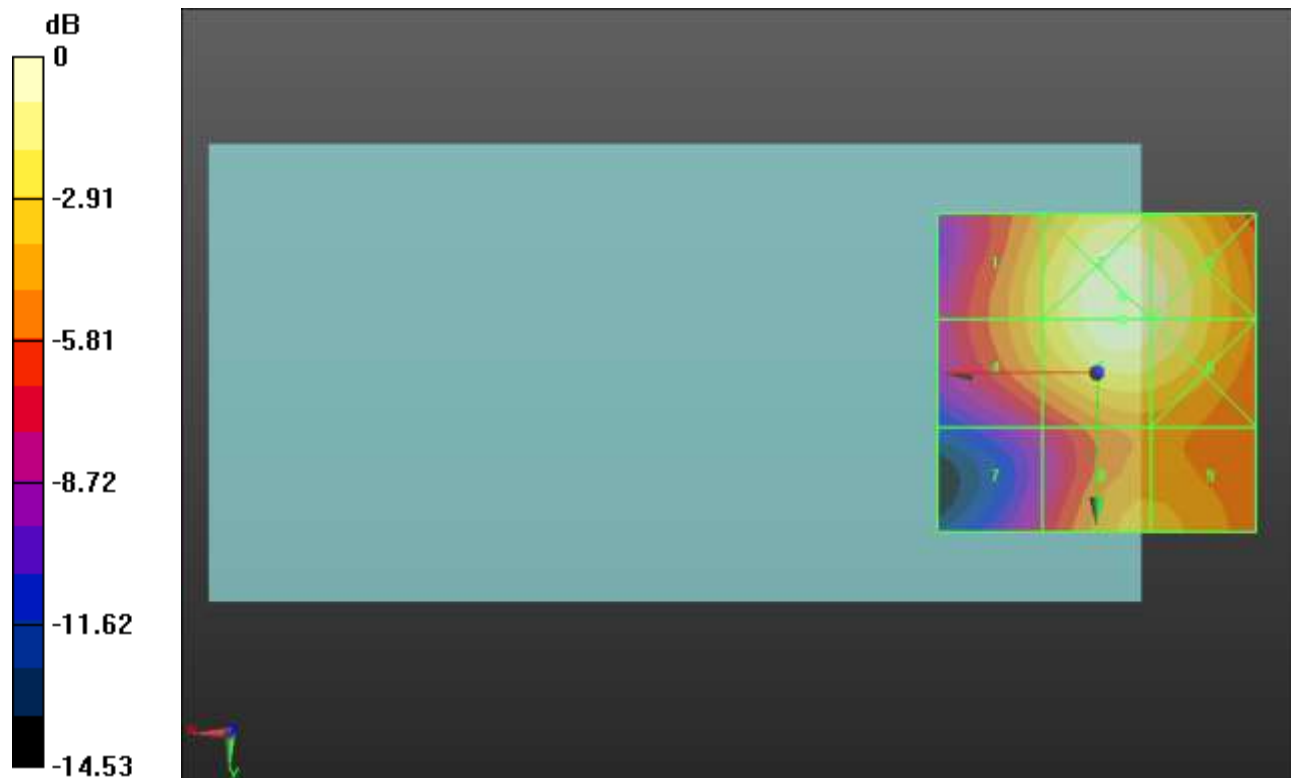
Applied MIF = -1.44 dB

RF audio interference level = 30.48 dBV/m

Emission category: **M3**

MIF scaled E-field

Grid 1 M4 27.82 dBV/m	Grid 2 M3 30.62 dBV/m	Grid 3 M3 30.15 dBV/m
Grid 4 M4 27.75 dBV/m	Grid 5 M3 30.48 dBV/m	Grid 6 M4 30 dBV/m
Grid 7 M4 23.25 dBV/m	Grid 8 M4 27.2 dBV/m	Grid 9 M4 27.19 dBV/m



0 dB = 33.96 V/m = 30.62 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 = 22.19 V/m; Power Drift = -0.04 dB

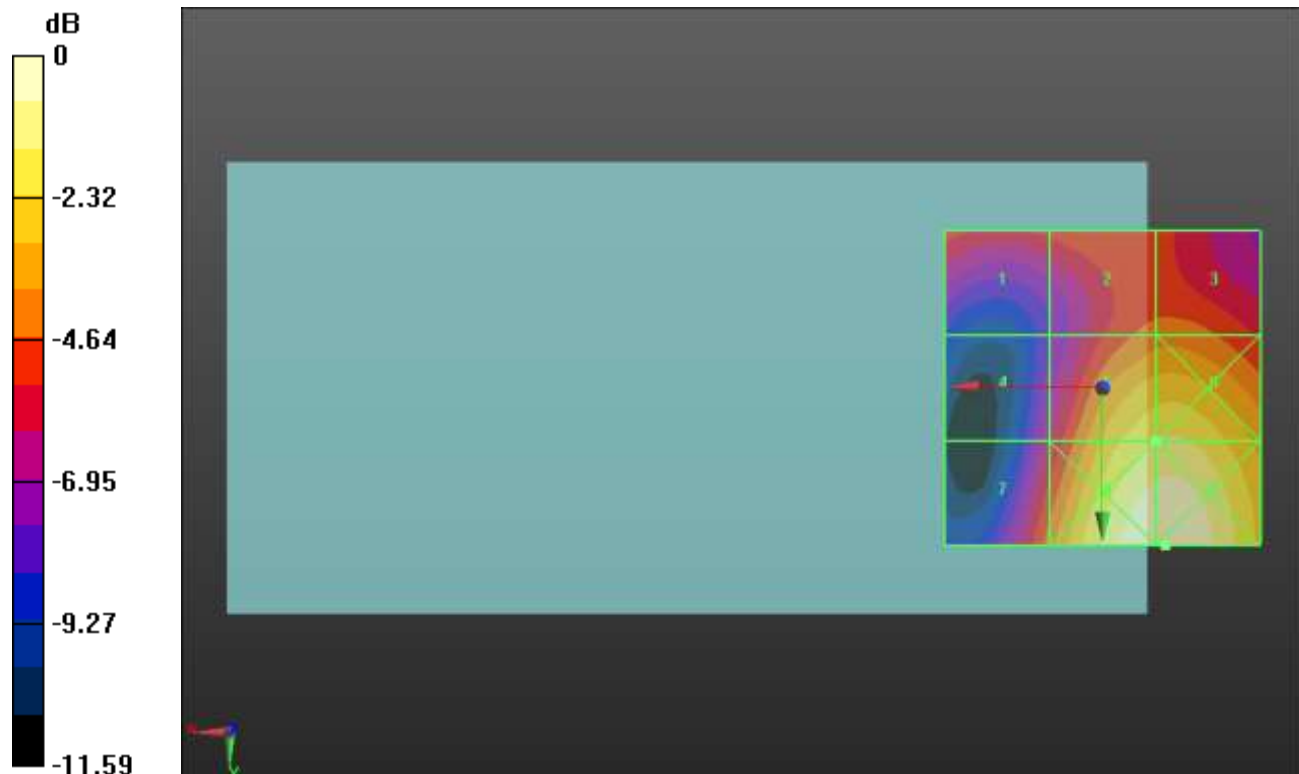
Applied MIF = 3.63 dB

RF audio interference level = 30.94 dBV/m

Emission category: M3

MIF scaled E-field

Grid 1 M4 27.46 dBV/m	Grid 2 M4 28.19 dBV/m	Grid 3 M4 28.26 dBV/m
Grid 4 M4 26.26 dBV/m	Grid 5 M3 30.94 dBV/m	Grid 6 M3 31.04 dBV/m
Grid 7 M4 28.24 dBV/m	Grid 8 M3 32.43 dBV/m	Grid 9 M3 32.46 dBV/m



0 dB = 41.97 V/m = 32.46 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 = 17.85 V/m; Power Drift = -0.09 dB

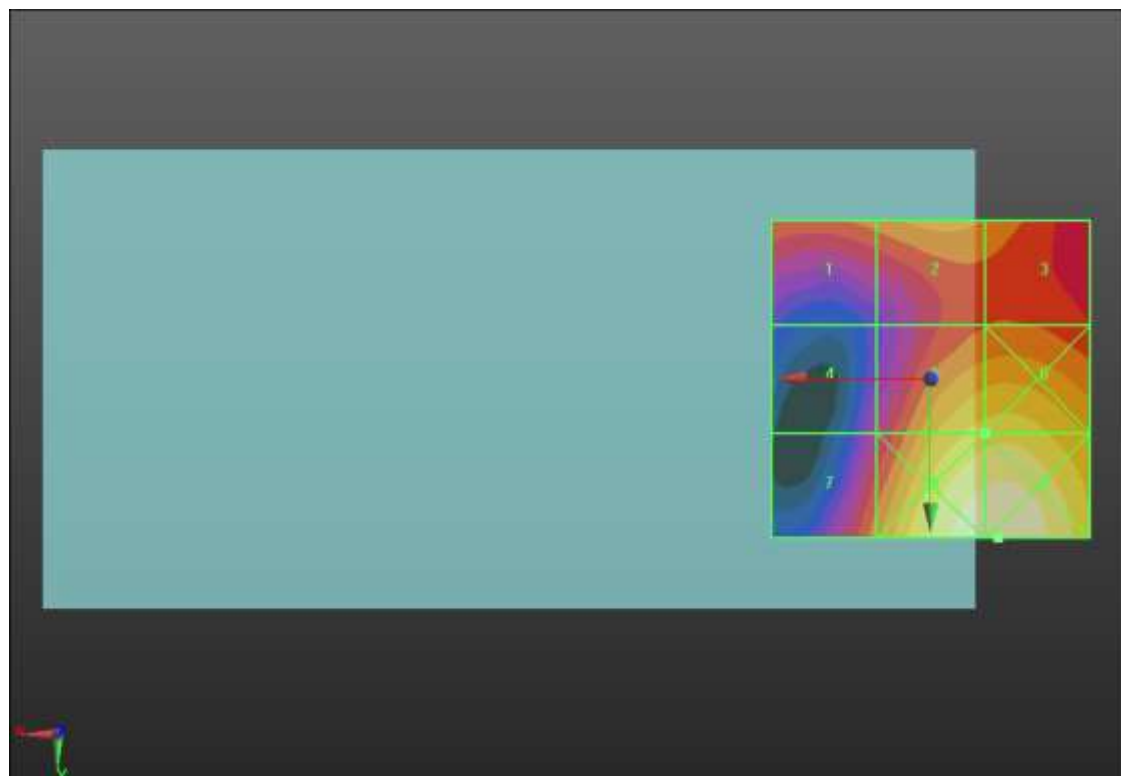
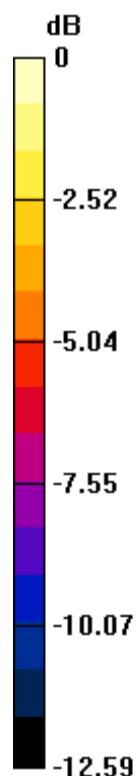
Applied MIF = 3.63 dB

RF audio interference level = 29.52 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 27.07 dBV/m	Grid 2 M4 27.81 dBV/m	Grid 3 M4 27.37 dBV/m
Grid 4 M4 24.63 dBV/m	Grid 5 M4 29.52 dBV/m	Grid 6 M4 29.67 dBV/m
Grid 7 M4 27.24 dBV/m	Grid 8 M3 31.55 dBV/m	Grid 9 M3 31.61 dBV/m



0 dB = 38.06 V/m = 31.61 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 = 17.04 V/m; Power Drift = -0.07 dB

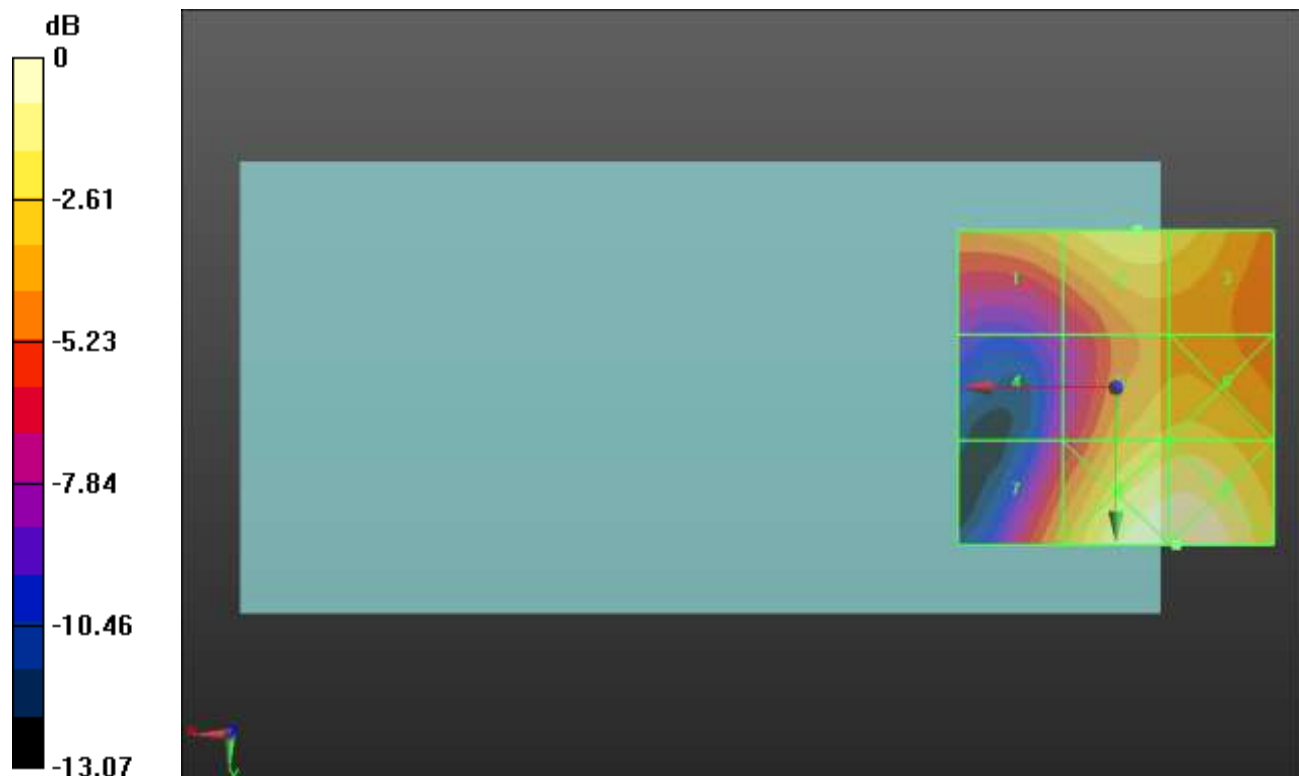
Applied MIF = 3.63 dB

RF audio interference level = 29.12 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 27.84 dBV/m	Grid 2 M4 29.12 dBV/m	Grid 3 M4 28.81 dBV/m
Grid 4 M4 23.75 dBV/m	Grid 5 M4 28.55 dBV/m	Grid 6 M4 28.69 dBV/m
Grid 7 M4 27.15 dBV/m	Grid 8 M3 30.77 dBV/m	Grid 9 M3 30.78 dBV/m



0 dB = 34.61 V/m = 30.78 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 = 14.37 V/m; Power Drift = 0.01 dB

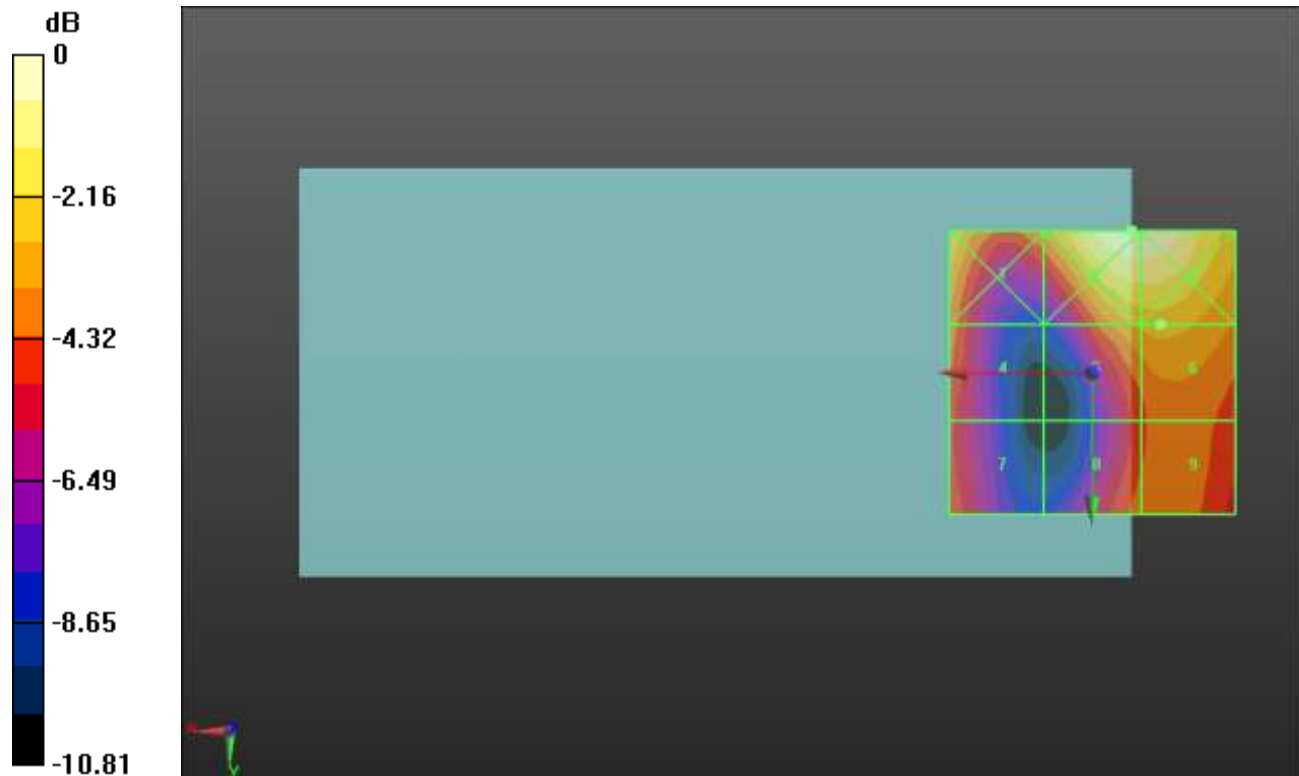
Applied MIF = -1.44 dB

RF audio interference level = 24.43 dBV/m

Emission category: **M4**

MIF scaled E-field

Grid 1 M4 25.18 dBV/m	Grid 2 M4 26.96 dBV/m	Grid 3 M4 26.94 dBV/m
Grid 4 M4 23.22 dBV/m	Grid 5 M4 24.24 dBV/m	Grid 6 M4 24.43 dBV/m
Grid 7 M4 22.52 dBV/m	Grid 8 M4 22.95 dBV/m	Grid 9 M4 23.19 dBV/m



0 dB = 22.29 V/m = 26.96 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 = 14.46 V/m; Power Drift = -0.04 dB

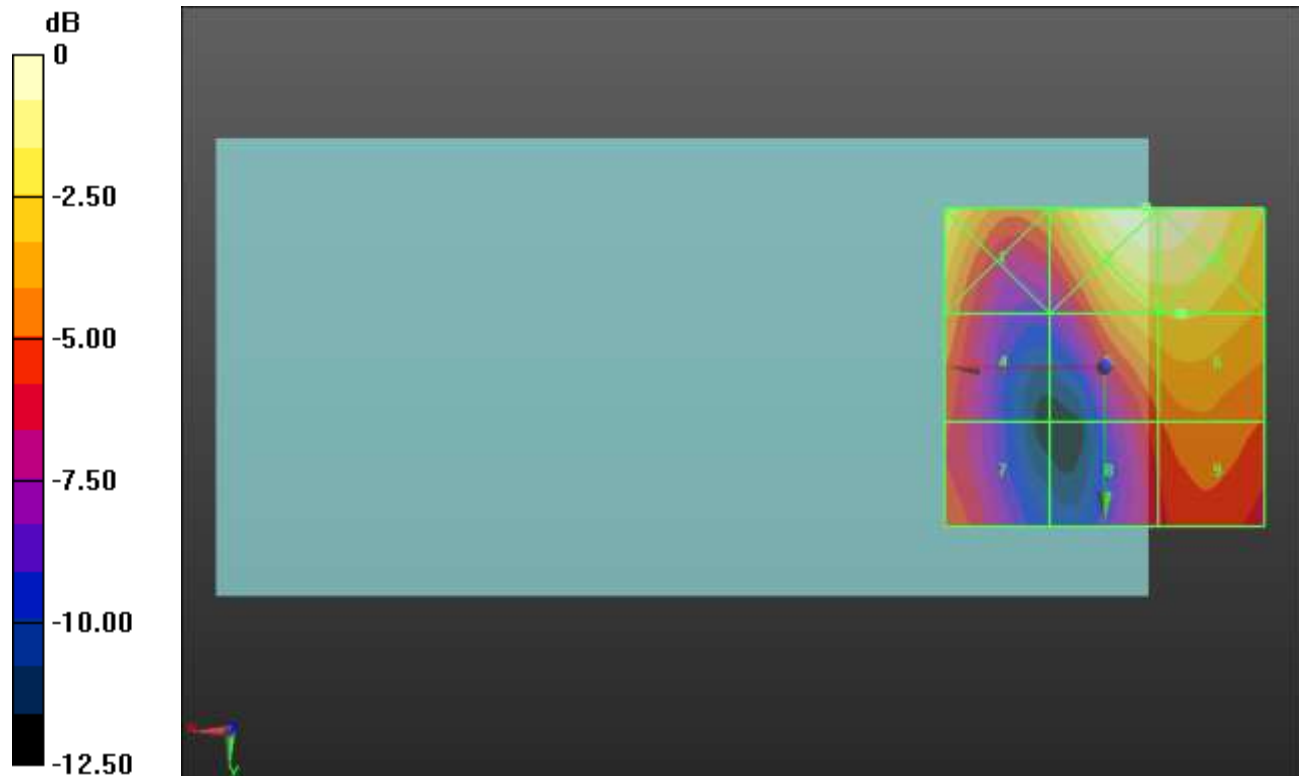
Applied MIF = -1.44 dB

RF audio interference level = 24.07 dBV/m

Emission category: **M4**

MIF scaled E-field

Grid 1 M4 24.89 dBV/m	Grid 2 M4 26.41 dBV/m	Grid 3 M4 26.33 dBV/m
Grid 4 M4 22.47 dBV/m	Grid 5 M4 23.91 dBV/m	Grid 6 M4 24.07 dBV/m
Grid 7 M4 21.49 dBV/m	Grid 8 M4 21.29 dBV/m	Grid 9 M4 22.13 dBV/m



0 dB = 20.91 V/m = 26.41 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 = 13.80 V/m; Power Drift = 0.03 dB

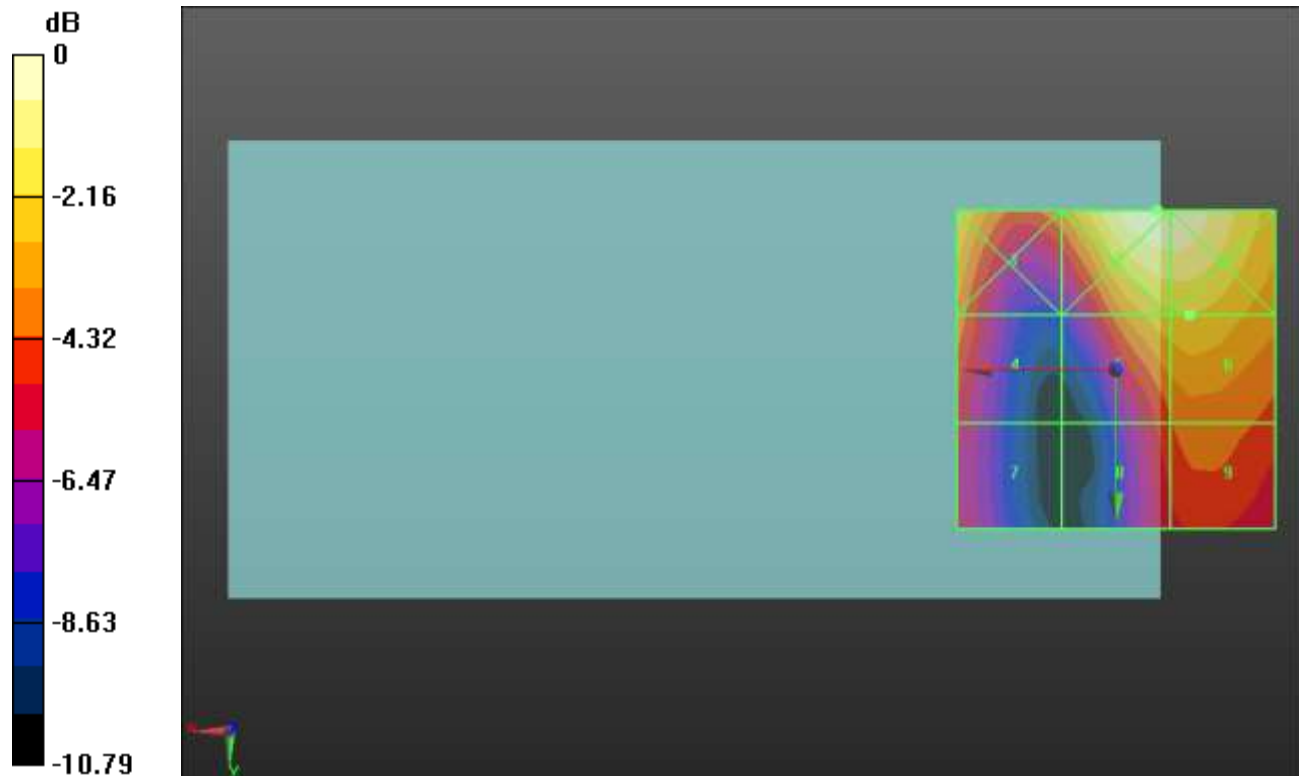
Applied MIF = -1.44 dB

RF audio interference level = 23.56 dBV/m

Emission category: **M4**

MIF scaled E-field

Grid 1 M4 24.11 dBV/m	Grid 2 M4 25.73 dBV/m	Grid 3 M4 25.66 dBV/m
Grid 4 M4 22.06 dBV/m	Grid 5 M4 23.43 dBV/m	Grid 6 M4 23.56 dBV/m
Grid 7 M4 20.43 dBV/m	Grid 8 M4 21.34 dBV/m	Grid 9 M4 21.85 dBV/m



0 dB = 19.33 V/m = 25.72 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 = 13.43 V/m; Power Drift = -0.18 dB

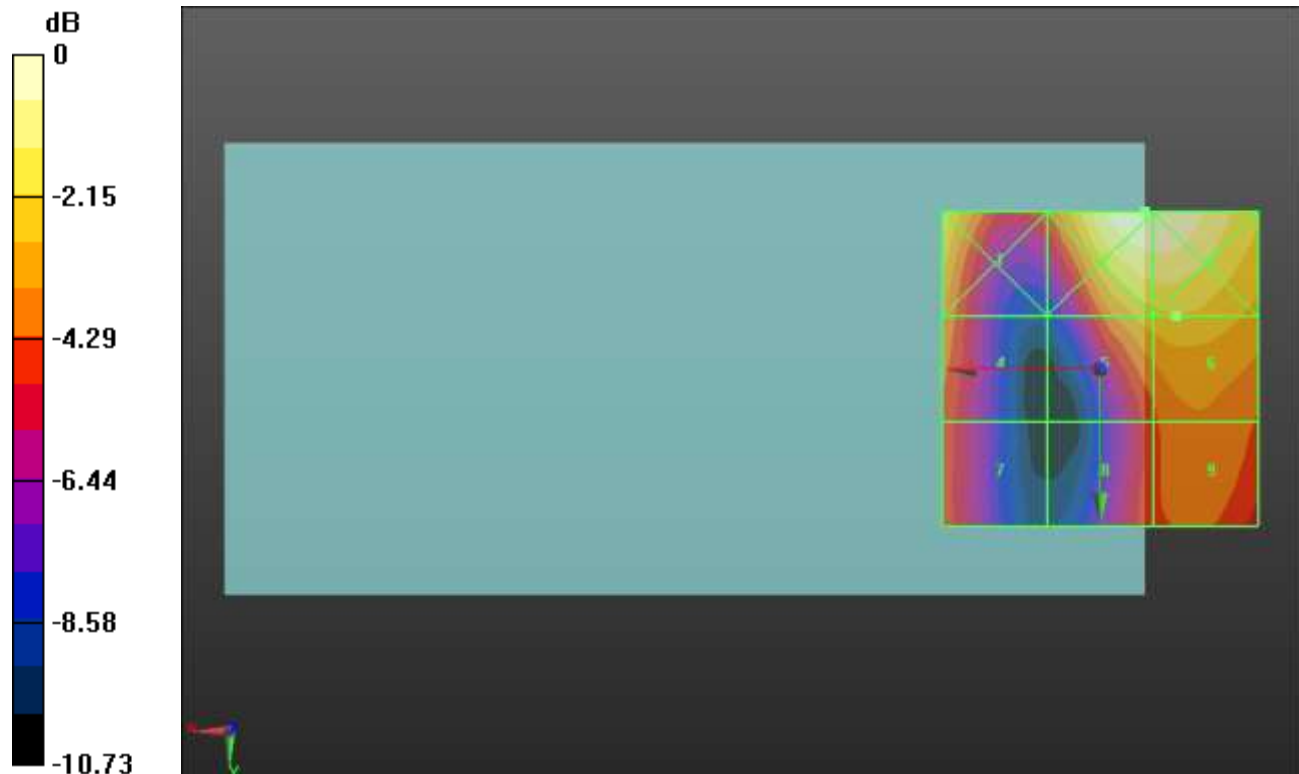
Applied MIF = -1.44 dB

RF audio interference level = 23.49 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 24.18 dBV/m	Grid 2 M4 25.67 dBV/m	Grid 3 M4 25.65 dBV/m
Grid 4 M4 22.21 dBV/m	Grid 5 M4 23.28 dBV/m	Grid 6 M4 23.49 dBV/m
Grid 7 M4 21.06 dBV/m	Grid 8 M4 21.22 dBV/m	Grid 9 M4 22 dBV/m



0 dB = 19.21 V/m = 25.67 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):

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 9.908 V/m; Power Drift = -0.07 dB

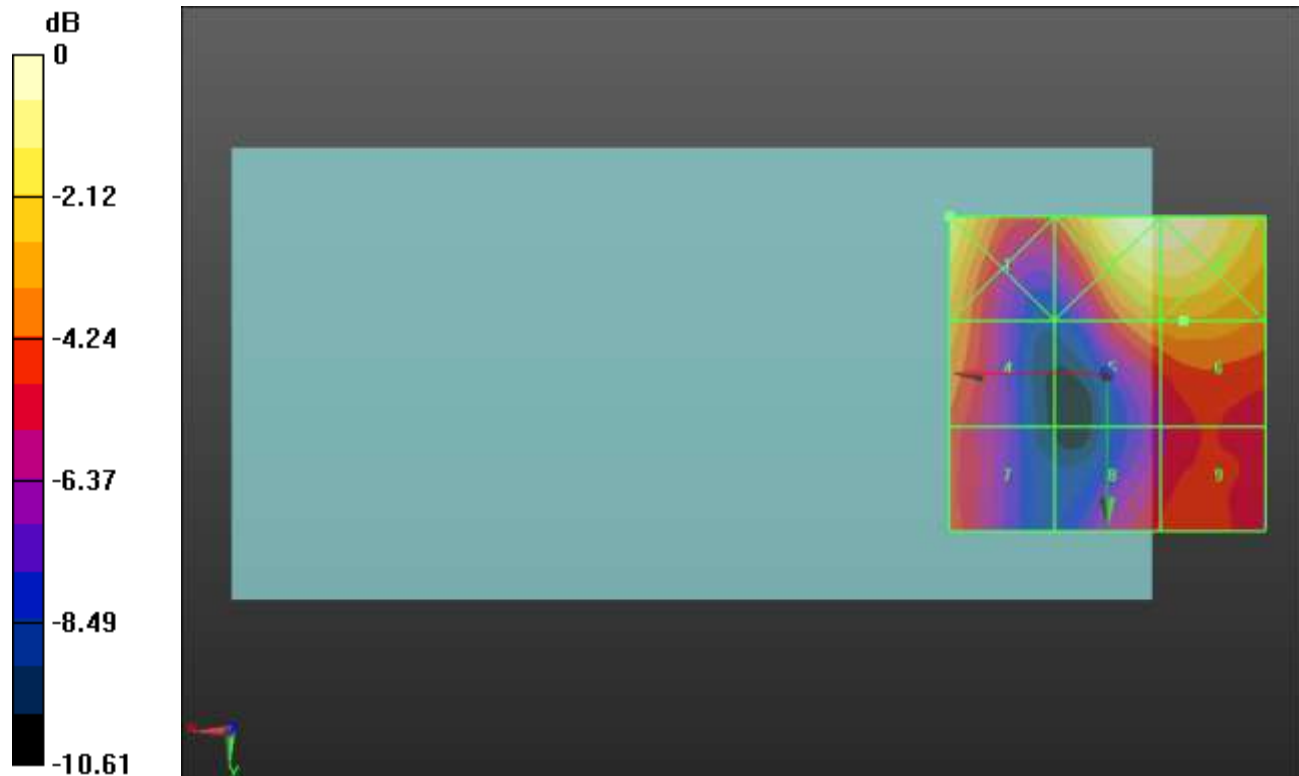
Applied MIF = -1.44 dB

RF audio interference level = 21.83 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 23.73 dBV/m	Grid 2 M4 24.7 dBV/m	Grid 3 M4 24.68 dBV/m
Grid 4 M4 21.62 dBV/m	Grid 5 M4 21.64 dBV/m	Grid 6 M4 21.83 dBV/m
Grid 7 M4 20.25 dBV/m	Grid 8 M4 19.91 dBV/m	Grid 9 M4 20.18 dBV/m



0 dB = 17.19 V/m = 24.71 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 = 18.16 V/m; Power Drift = 0.03 dB

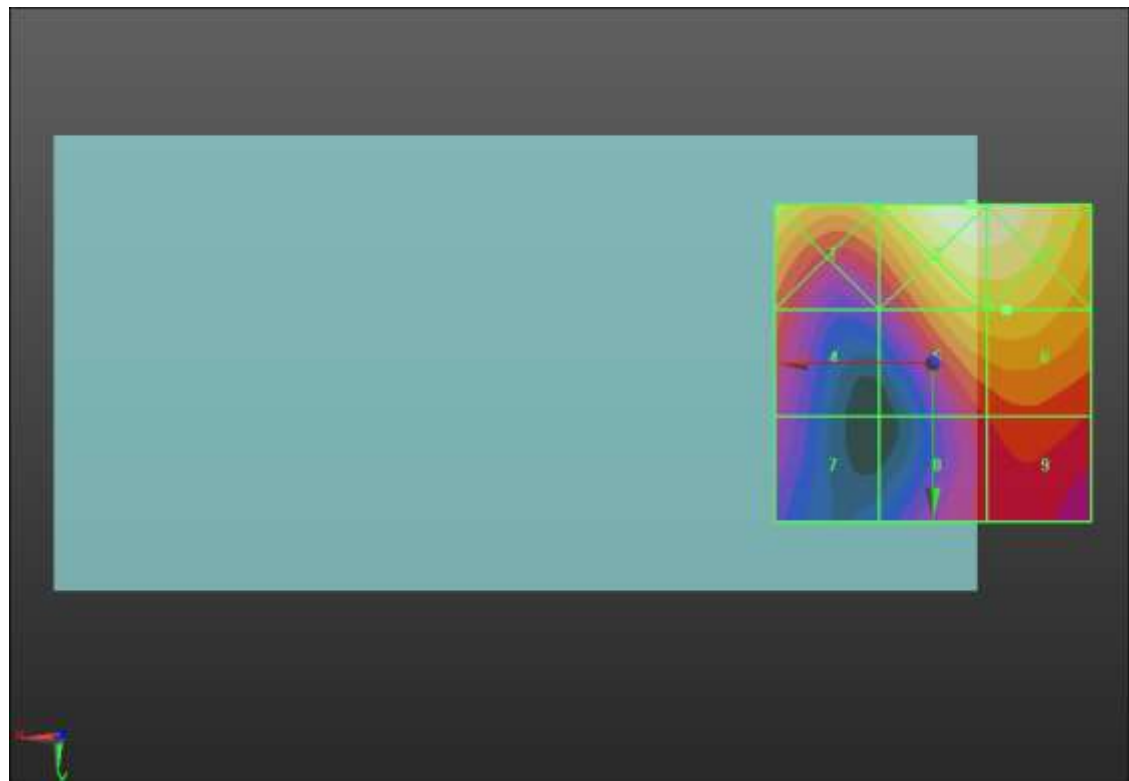
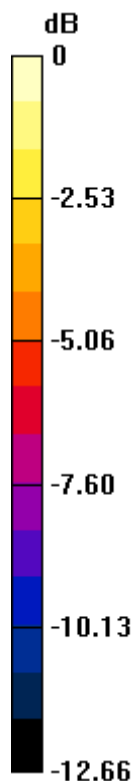
Applied MIF = -1.44 dB

RF audio interference level = 26.03 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 26.53 dBV/m	Grid 2 M4 28.53 dBV/m	Grid 3 M4 28.43 dBV/m
Grid 4 M4 23.25 dBV/m	Grid 5 M4 25.94 dBV/m	Grid 6 M4 26.03 dBV/m
Grid 7 M4 21.33 dBV/m	Grid 8 M4 22.65 dBV/m	Grid 9 M4 23.3 dBV/m



0 dB = 26.69 V/m = 28.53 dBV/m

HAC-RF Emission ANT3

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

Phantom section: RF Section

DASY5 Configuration:

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

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

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 19.95 V/m; Power Drift = -0.02 dB

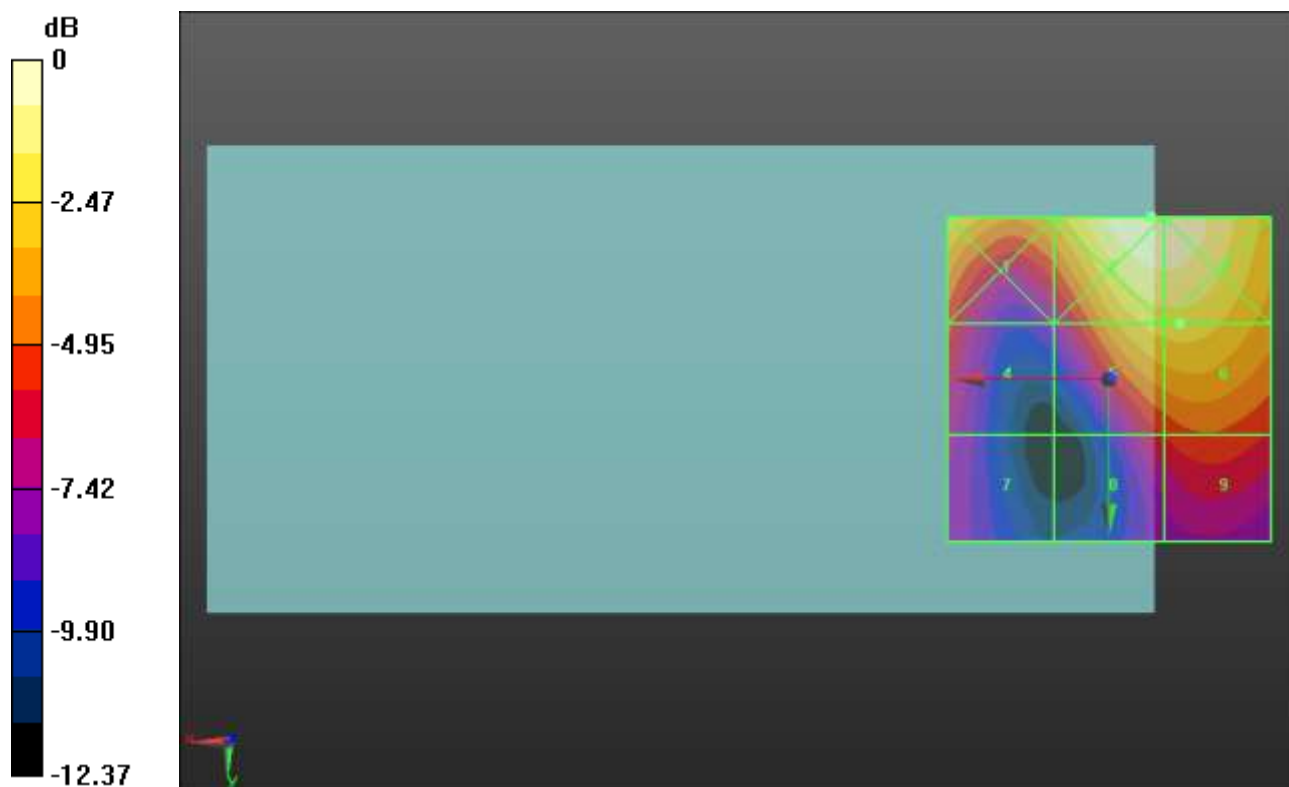
Applied MIF = -1.44 dB

RF audio interference level = 26.65 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 26.76 dBV/m	Grid 2 M4 28.68 dBV/m	Grid 3 M4 28.61 dBV/m
Grid 4 M4 23.37 dBV/m	Grid 5 M4 26.58 dBV/m	Grid 6 M4 26.65 dBV/m
Grid 7 M4 21.59 dBV/m	Grid 8 M4 23.03 dBV/m	Grid 9 M4 23.71 dBV/m



0 dB = 27.16 V/m = 28.68 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 = 18.02 V/m; Power Drift = -0.07 dB

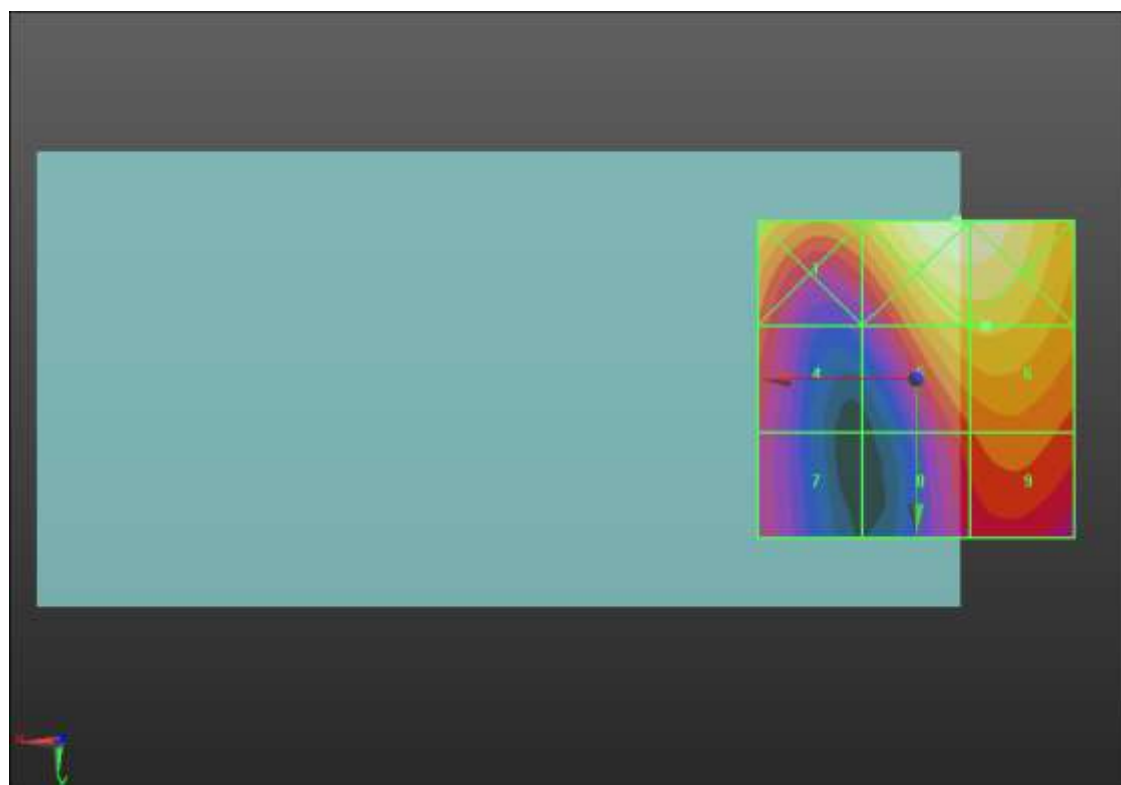
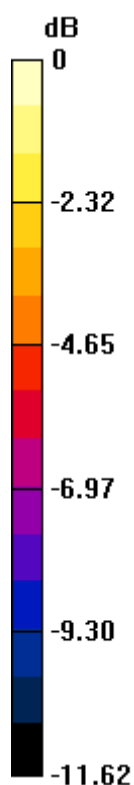
Applied MIF = -1.44 dB

RF audio interference level = 25.78 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 25.87 dBV/m	Grid 2 M4 27.87 dBV/m	Grid 3 M4 27.8 dBV/m
Grid 4 M4 23.14 dBV/m	Grid 5 M4 25.67 dBV/m	Grid 6 M4 25.78 dBV/m
Grid 7 M4 21.76 dBV/m	Grid 8 M4 23.09 dBV/m	Grid 9 M4 23.77 dBV/m



0 dB = 24.74 V/m = 27.87 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 = 16.53 V/m; Power Drift = -0.10 dB

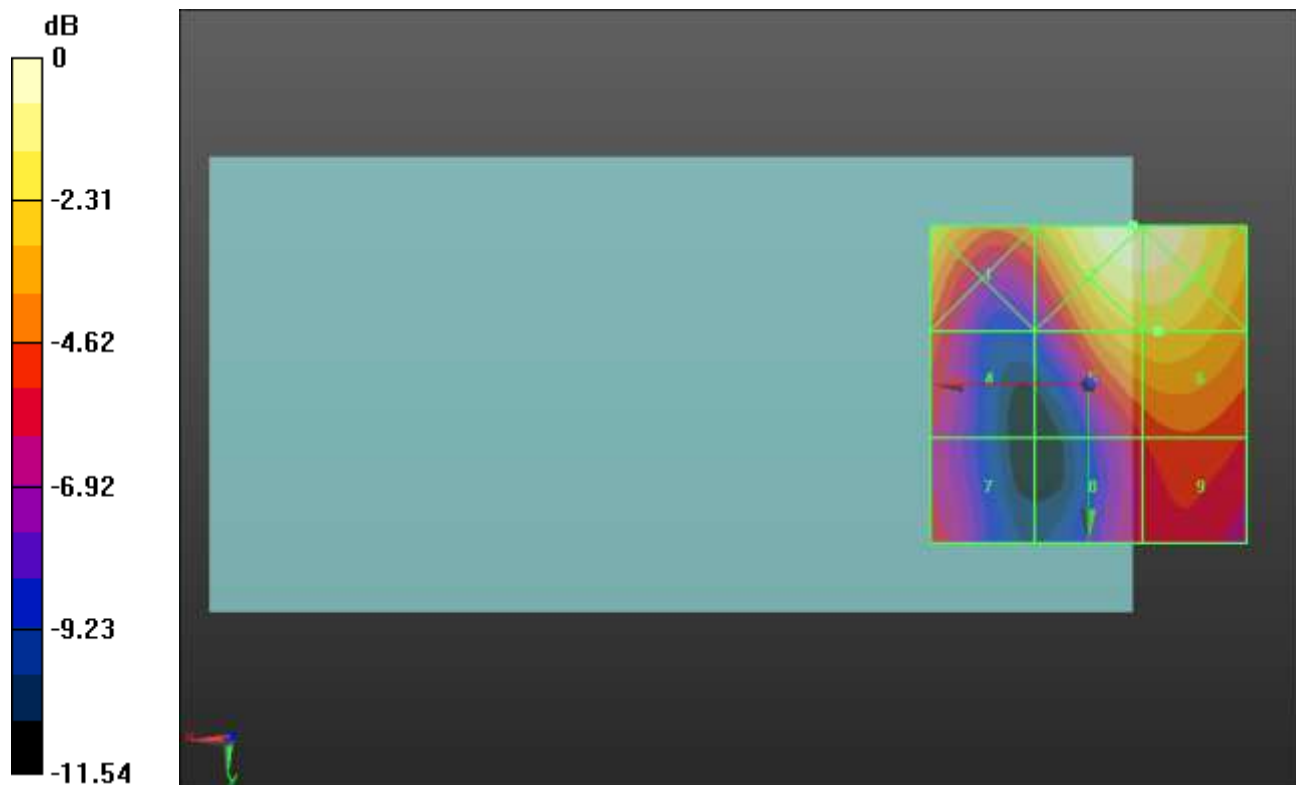
Applied MIF = -1.44 dB

RF audio interference level = 25.11 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 25.47 dBV/m	Grid 2 M4 27.32 dBV/m	Grid 3 M4 27.28 dBV/m
Grid 4 M4 22.67 dBV/m	Grid 5 M4 25.01 dBV/m	Grid 6 M4 25.11 dBV/m
Grid 7 M4 21.71 dBV/m	Grid 8 M4 21.9 dBV/m	Grid 9 M4 22.63 dBV/m



0 dB = 23.22 V/m = 27.32 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 = 12.98 V/m; Power Drift = -0.08 dB

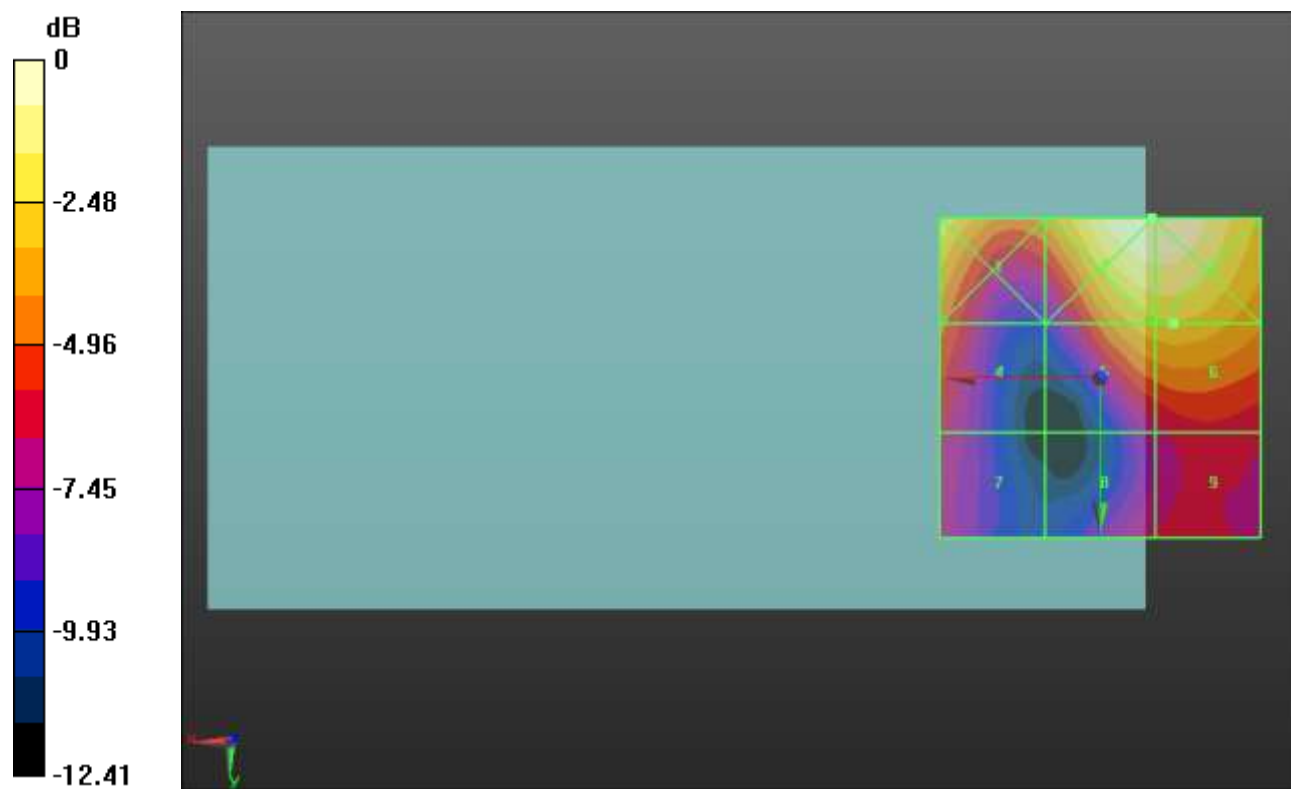
Applied MIF = -1.44 dB

RF audio interference level = 23.72 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 24.66 dBV/m	Grid 2 M4 26.25 dBV/m	Grid 3 M4 26.25 dBV/m
Grid 4 M4 21.64 dBV/m	Grid 5 M4 23.57 dBV/m	Grid 6 M4 23.72 dBV/m
Grid 7 M4 19.82 dBV/m	Grid 8 M4 19.84 dBV/m	Grid 9 M4 20.27 dBV/m



0 dB = 20.54 V/m = 26.25 dBV/m

HAC-RF Emission ANT 5

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 = 13.22 V/m; Power Drift = 0.02 dB

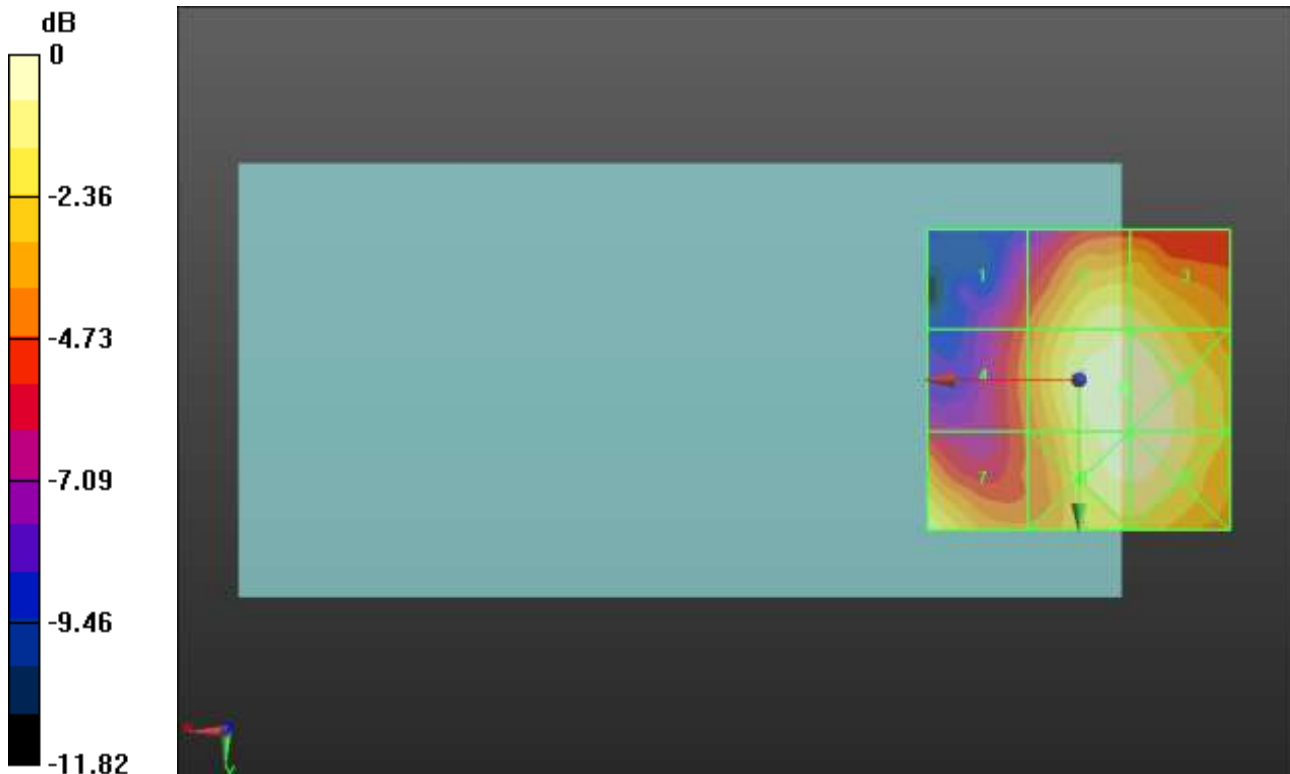
Applied MIF = -2.02 dB

RF audio interference level = 18.30 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 13.74 dBV/m	Grid 2 M4 17.44 dBV/m	Grid 3 M4 17.33 dBV/m
Grid 4 M4 14.25 dBV/m	Grid 5 M4 18.3 dBV/m	Grid 6 M4 18.29 dBV/m
Grid 7 M4 17.54 dBV/m	Grid 8 M4 18.12 dBV/m	Grid 9 M4 18.15 dBV/m



0 dB = 8.219 V/m = 18.30 dBV/m

HAC-RF Emission ANT 5

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 = 13.63 V/m; Power Drift = -0.08 dB

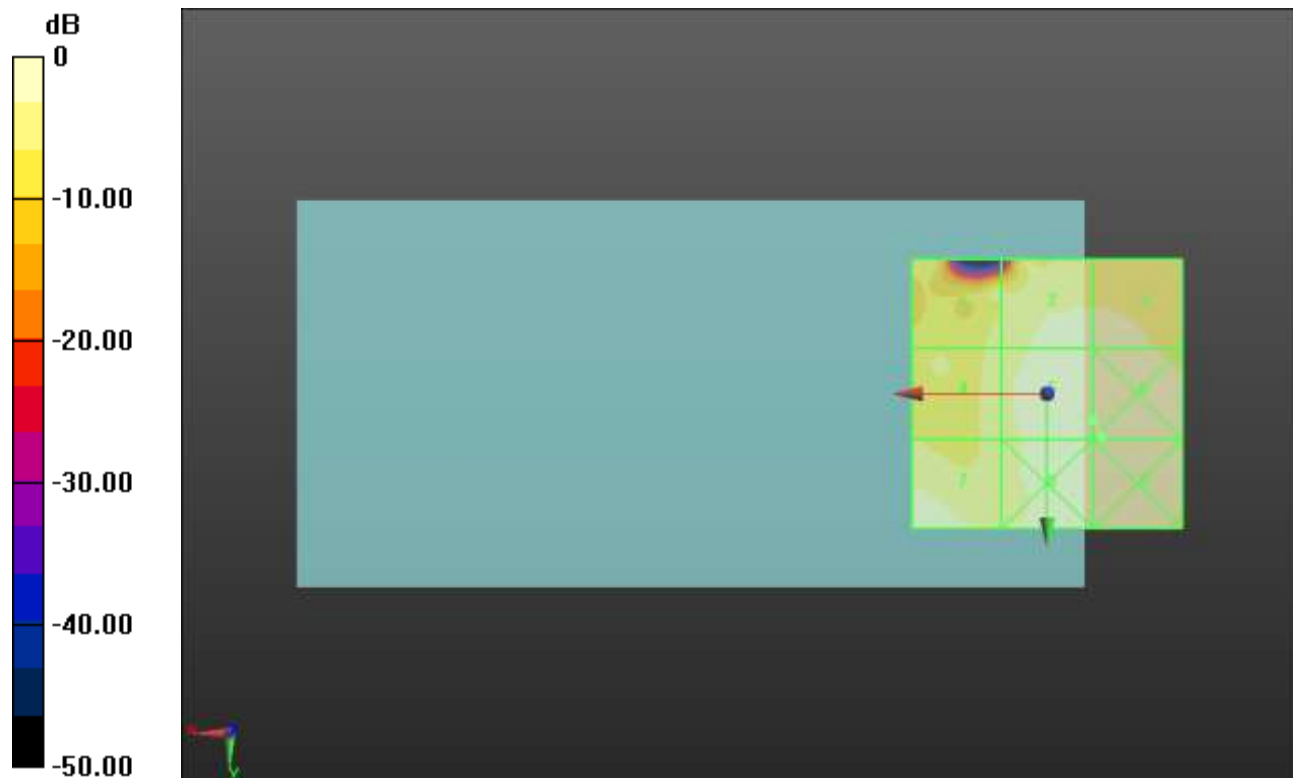
Applied MIF = -2.02 dB

RF audio interference level = 18.16 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 13 dBV/m	Grid 2 M4 16.95 dBV/m	Grid 3 M4 16.95 dBV/m
Grid 4 M4 14.22 dBV/m	Grid 5 M4 18.16 dBV/m	Grid 6 M4 18.19 dBV/m
Grid 7 M4 17.81 dBV/m	Grid 8 M4 18.12 dBV/m	Grid 9 M4 18.19 dBV/m



0 dB = 8.119 V/m = 18.19 dBV/m

HAC-RF Emission ANT 5

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

Phantom section: RF Section

DASY5 Configuration:

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

802.11b E-Field measurement/IEEE 802.11b_OFDM 11 Mbps Ch. 11/Hearing Aid Compatibility Test (101x101x1):

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

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 13.77 V/m; Power Drift = -0.01 dB

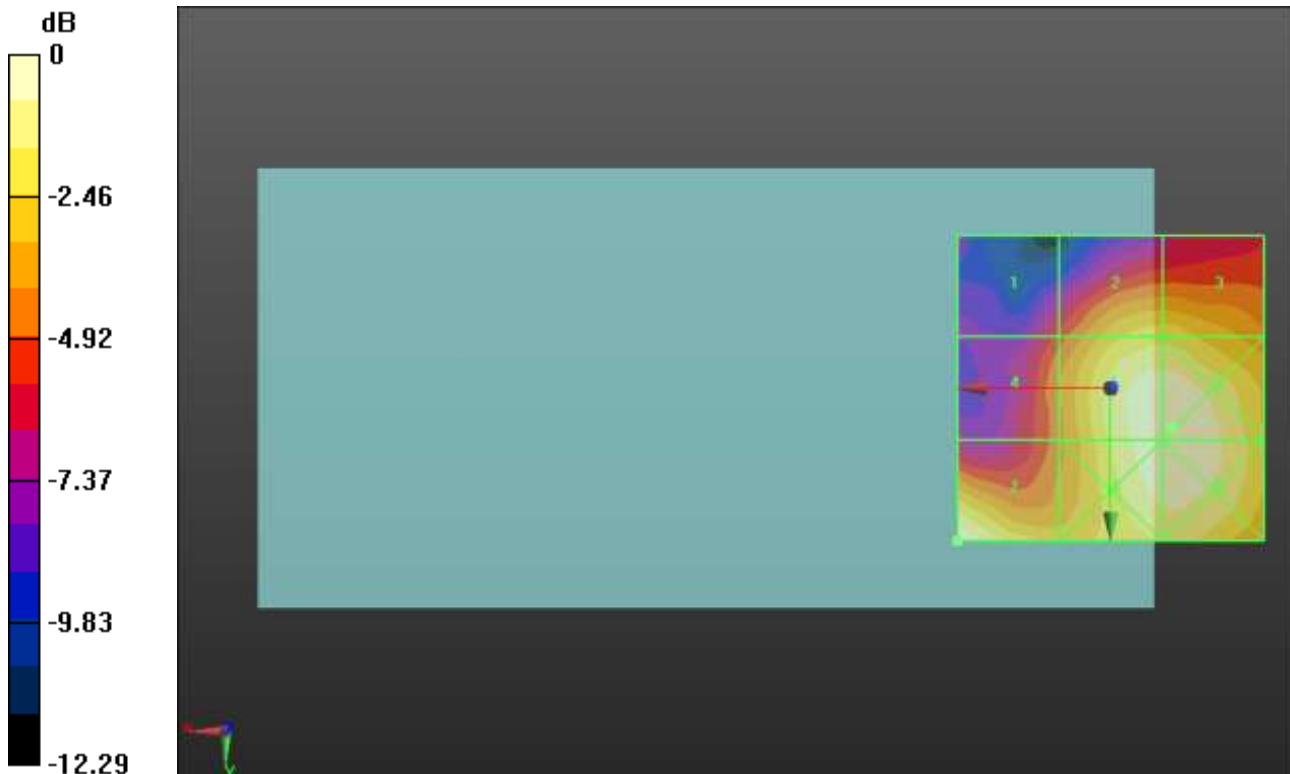
Applied MIF = -2.02 dB

RF audio interference level = 18.99 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 13.59 dBV/m	Grid 2 M4 17.09 dBV/m	Grid 3 M4 17.09 dBV/m
Grid 4 M4 14.92 dBV/m	Grid 5 M4 18.94 dBV/m	Grid 6 M4 19.01 dBV/m
Grid 7 M4 18.99 dBV/m	Grid 8 M4 18.93 dBV/m	Grid 9 M4 19 dBV/m



0 dB = 8.919 V/m = 19.01 dBV/m

HAC-RF Emission ANT 5

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 = 15.03 V/m; Power Drift = -0.06 dB

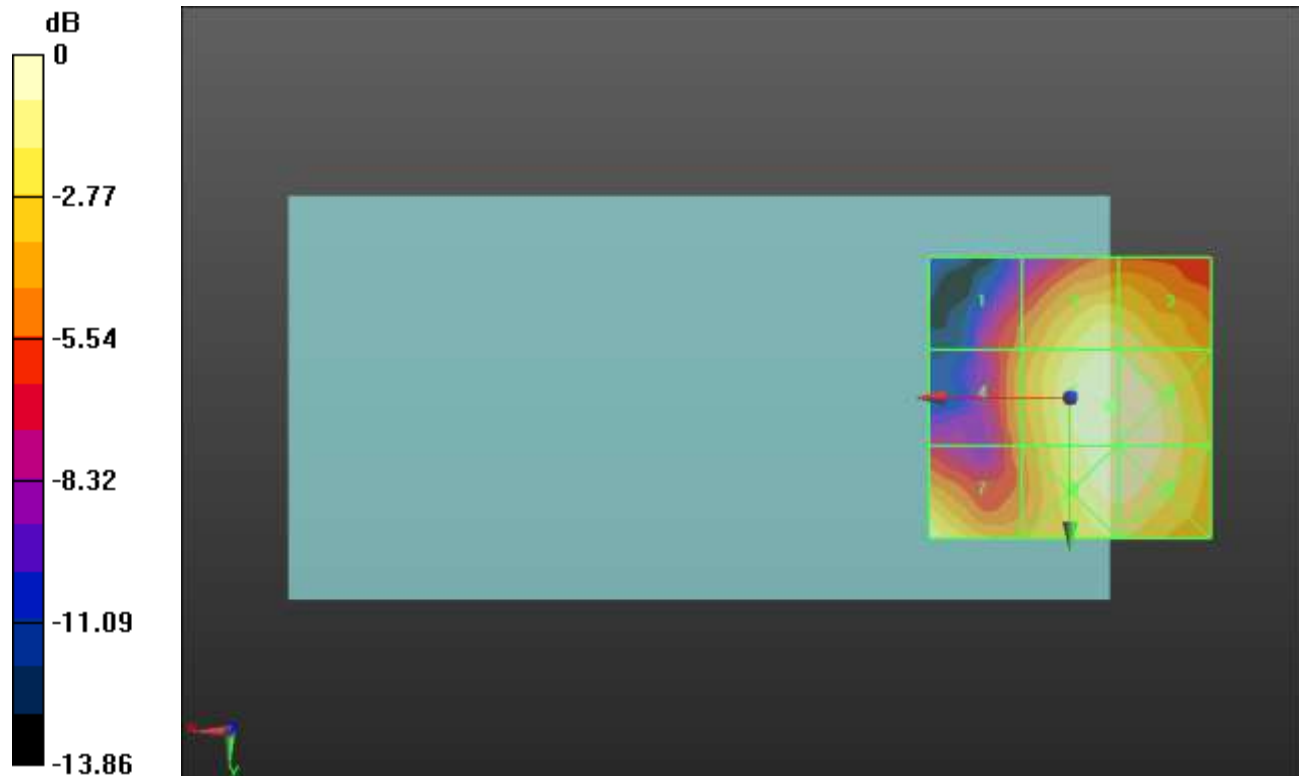
Applied MIF = 0.12 dB

RF audio interference level = 21.37 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 16.8 dBV/m	Grid 2 M4 20.47 dBV/m	Grid 3 M4 20.42 dBV/m
Grid 4 M4 17.48 dBV/m	Grid 5 M4 21.37 dBV/m	Grid 6 M4 21.35 dBV/m
Grid 7 M4 20.43 dBV/m	Grid 8 M4 21.22 dBV/m	Grid 9 M4 21.23 dBV/m



0 dB = 11.71 V/m = 21.37 dBV/m

HAC-RF Emission ANT 5

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 = 13.14 V/m; Power Drift = 0.11 dB

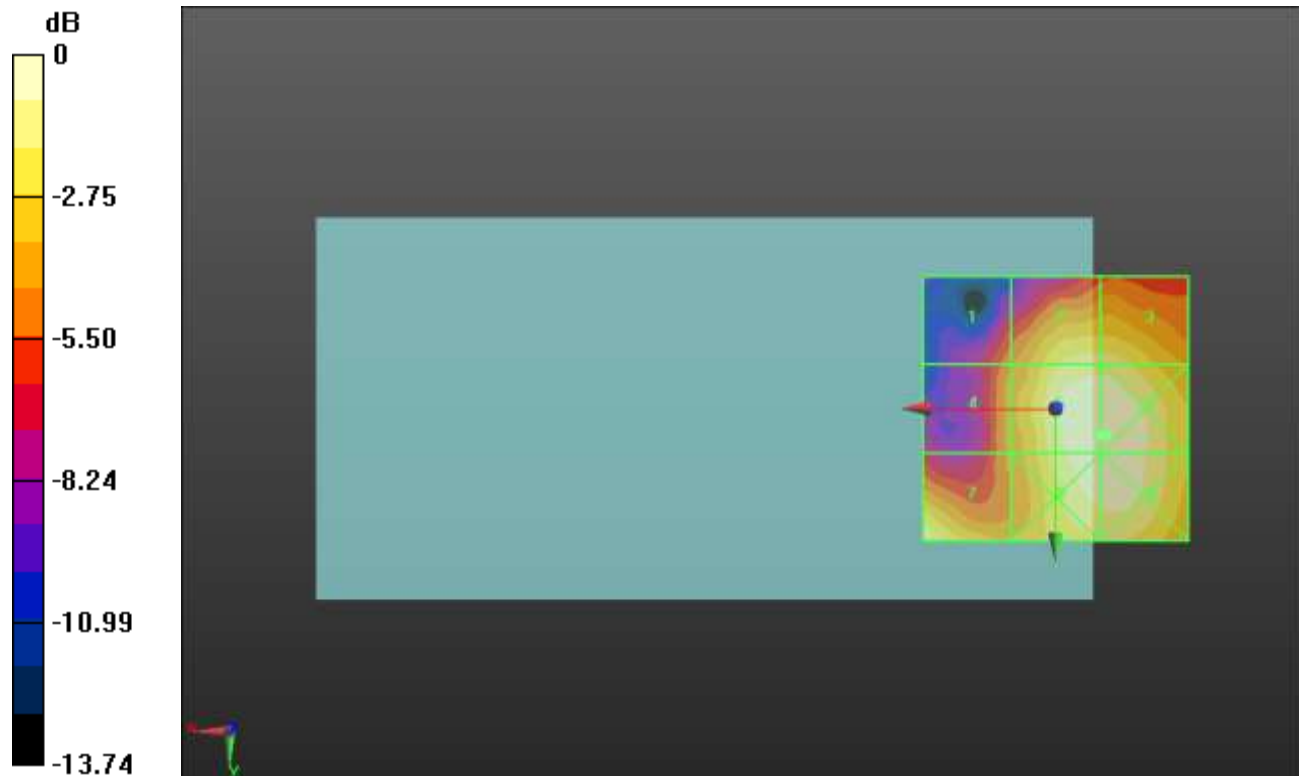
Applied MIF = 0.12 dB

RF audio interference level = 20.57 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 15.85 dBV/m	Grid 2 M4 19.28 dBV/m	Grid 3 M4 19.27 dBV/m
Grid 4 M4 16.6 dBV/m	Grid 5 M4 20.57 dBV/m	Grid 6 M4 20.6 dBV/m
Grid 7 M4 19.77 dBV/m	Grid 8 M4 20.47 dBV/m	Grid 9 M4 20.51 dBV/m



0 dB = 10.71 V/m = 20.60 dBV/m

HAC-RF Emission ANT 5

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

Phantom section: RF Section

DASY5 Configuration:

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

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

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

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 12.13 V/m; Power Drift = -0.00 dB

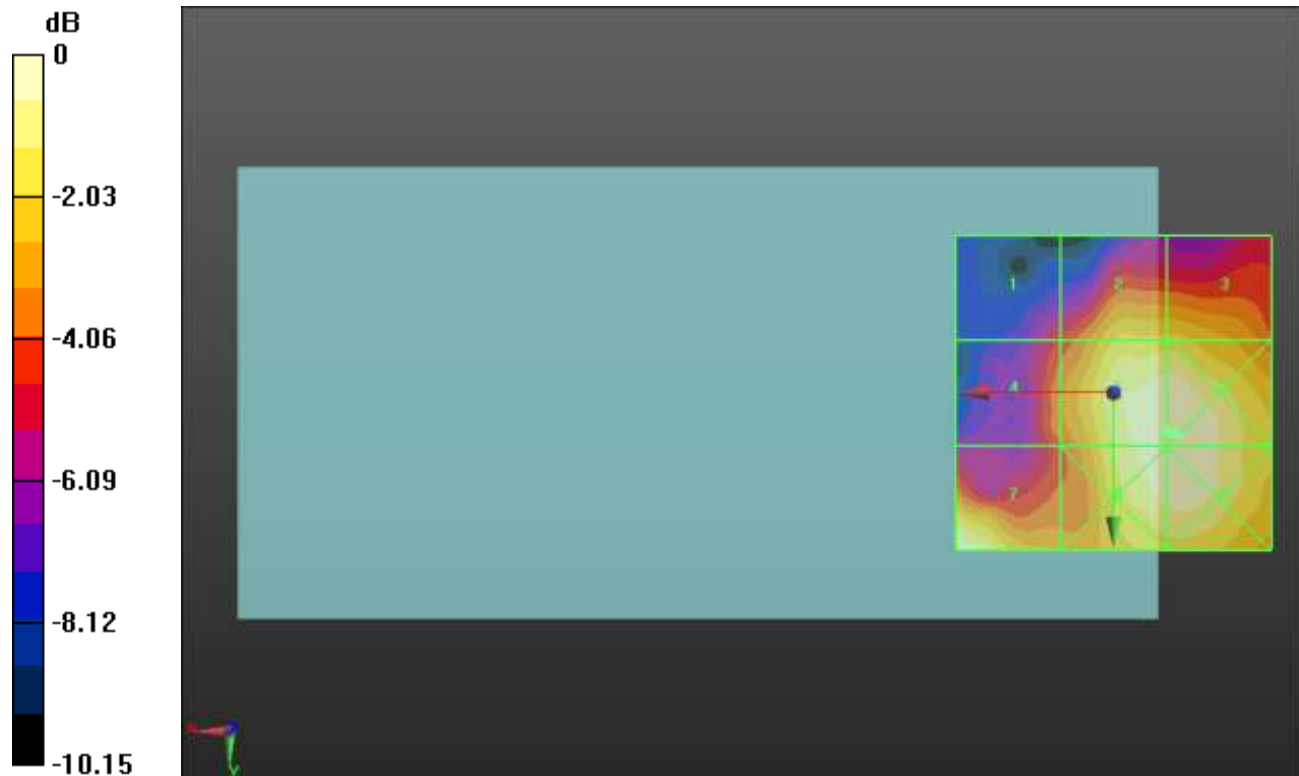
Applied MIF = 0.12 dB

RF audio interference level = 19.79 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 15.19 dBV/m	Grid 2 M4 18.04 dBV/m	Grid 3 M4 18.05 dBV/m
Grid 4 M4 16.35 dBV/m	Grid 5 M4 19.79 dBV/m	Grid 6 M4 19.82 dBV/m
Grid 7 M4 19.74 dBV/m	Grid 8 M4 19.76 dBV/m	Grid 9 M4 19.81 dBV/m



0 dB = 9.800 V/m = 19.82 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 = 21.96 V/m; Power Drift = -0.03 dB

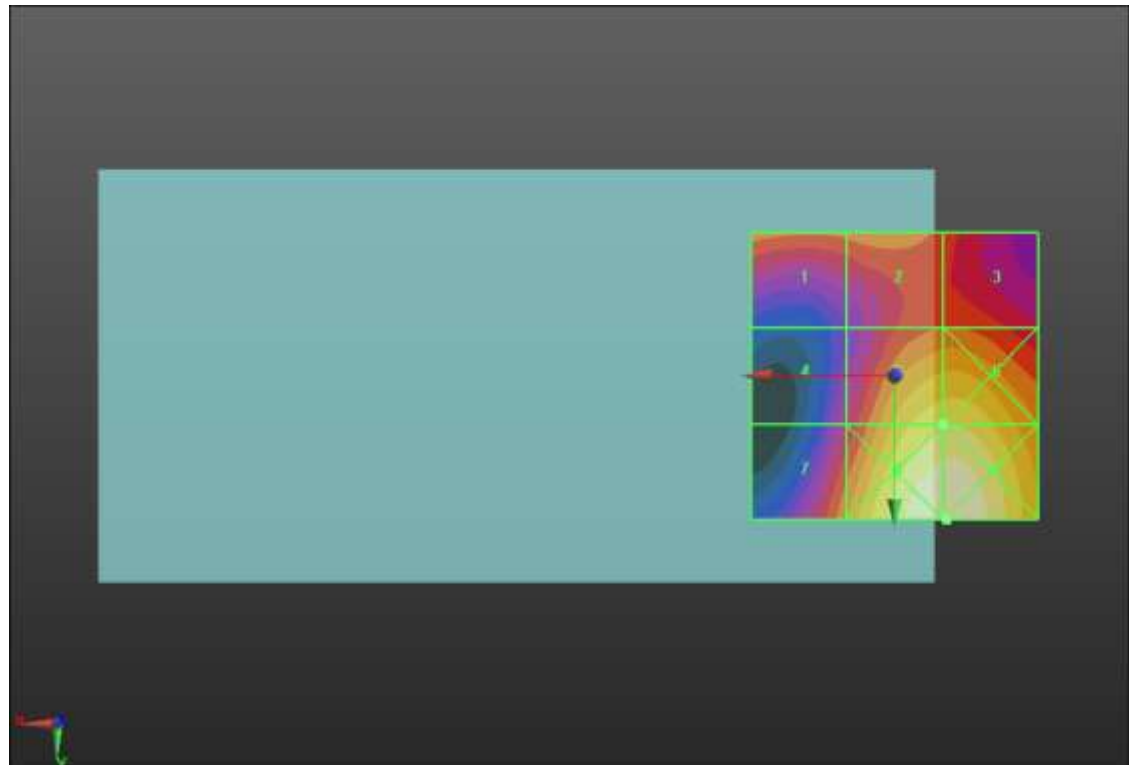
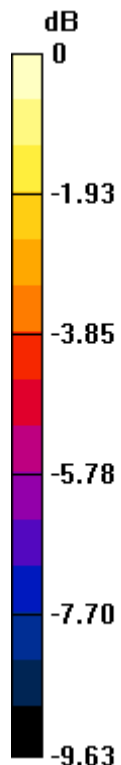
Applied MIF = 3.63 dB

RF audio interference level = 30.56 dBV/m

Emission category: M3

MIF scaled E-field

Grid 1 M4 28.44 dBV/m	Grid 2 M4 28.55 dBV/m	Grid 3 M4 28.09 dBV/m
Grid 4 M4 26.77 dBV/m	Grid 5 M3 30.56 dBV/m	Grid 6 M3 30.61 dBV/m
Grid 7 M4 28.64 dBV/m	Grid 8 M3 31.89 dBV/m	Grid 9 M3 31.9 dBV/m



0 dB = 39.34 V/m = 31.90 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 = 18.32 V/m; Power Drift = -0.04 dB

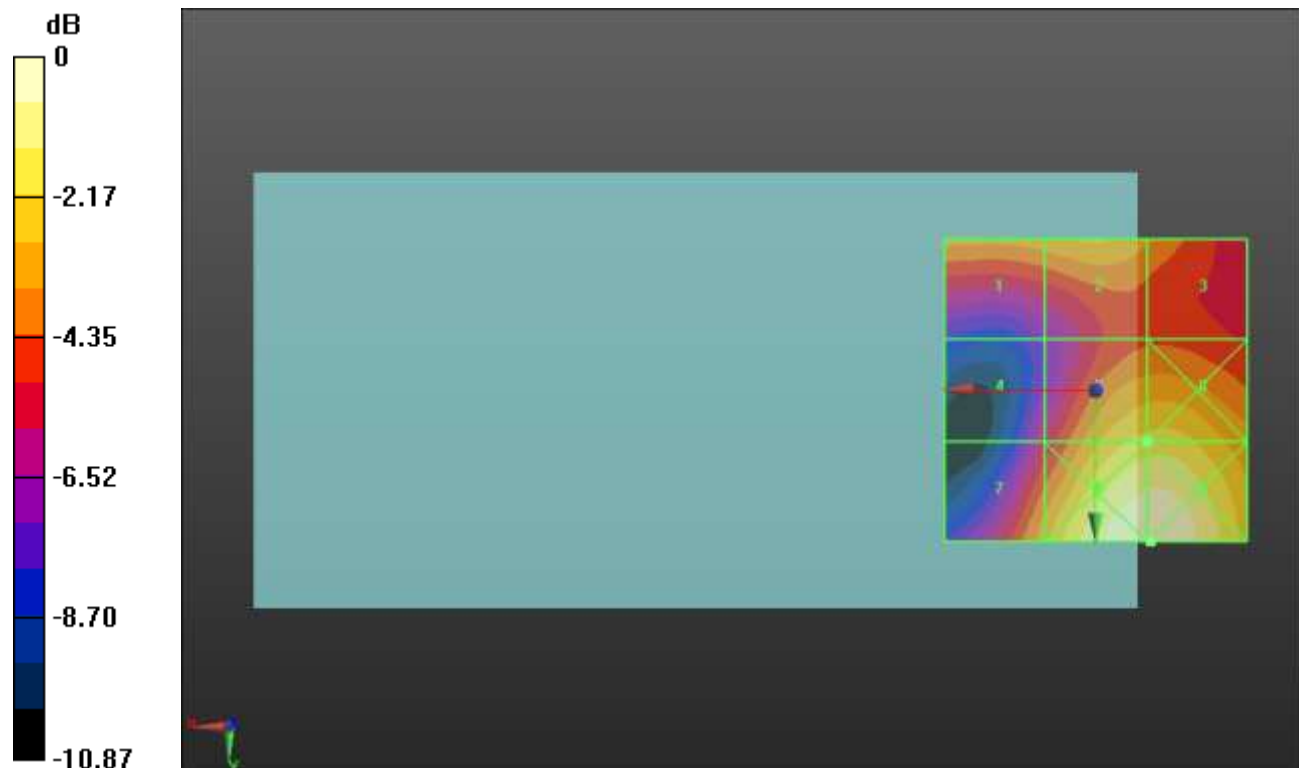
Applied MIF = 3.63 dB

RF audio interference level = 29.28 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 27.99 dBV/m	Grid 2 M4 28.37 dBV/m	Grid 3 M4 27.69 dBV/m
Grid 4 M4 25.48 dBV/m	Grid 5 M4 29.28 dBV/m	Grid 6 M4 29.35 dBV/m
Grid 7 M4 28.1 dBV/m	Grid 8 M3 31.13 dBV/m	Grid 9 M3 31.13 dBV/m



0 dB = 36.03 V/m = 31.13 dBV/m

HAC-RF Emission ANT4

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

Phantom section: RF Section

DASY5 Configuration:

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

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

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

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 15.98 V/m; Power Drift = -0.04 dB

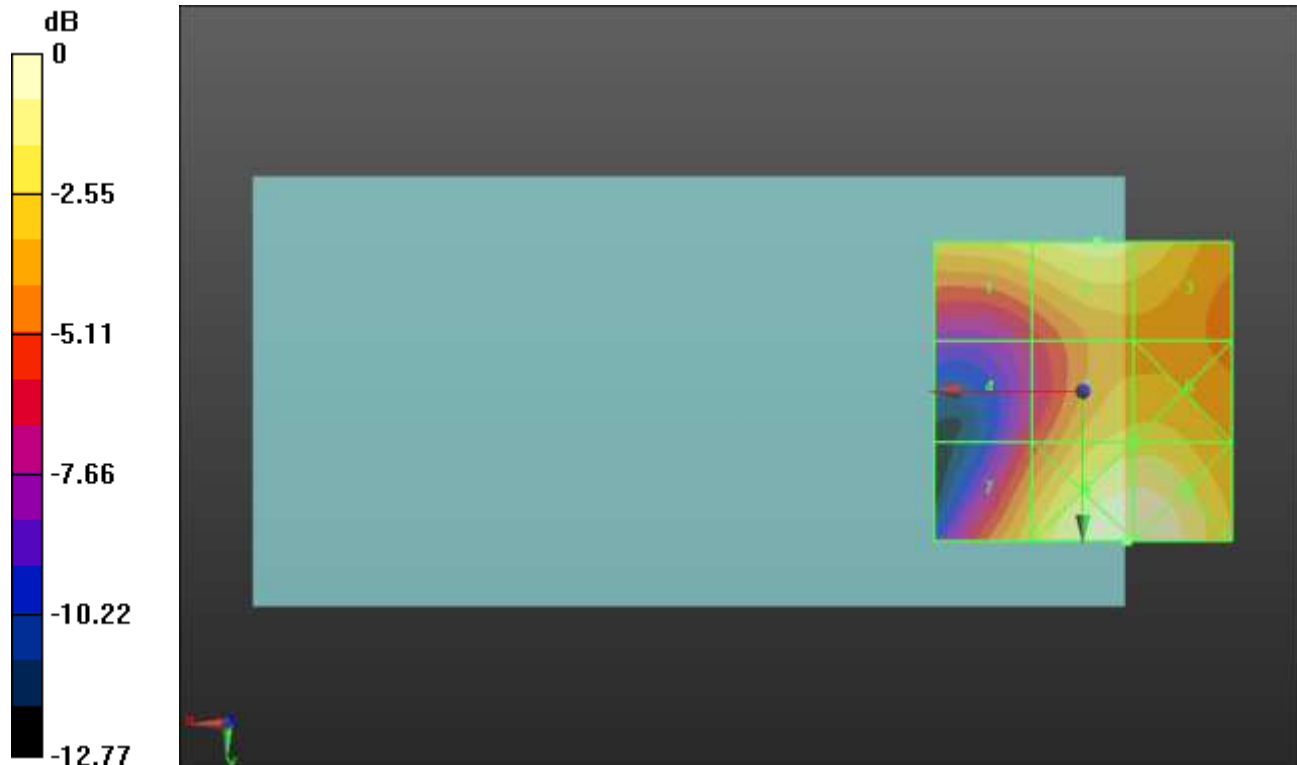
Applied MIF = 3.63 dB

RF audio interference level = 28.57 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 27.81 dBV/m	Grid 2 M4 28.57 dBV/m	Grid 3 M4 28.2 dBV/m
Grid 4 M4 24.08 dBV/m	Grid 5 M4 27.73 dBV/m	Grid 6 M4 27.78 dBV/m
Grid 7 M4 27.27 dBV/m	Grid 8 M4 29.8 dBV/m	Grid 9 M4 29.79 dBV/m



0 dB = 30.90 V/m = 29.80 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 = 18.84 V/m; Power Drift = -0.07 dB

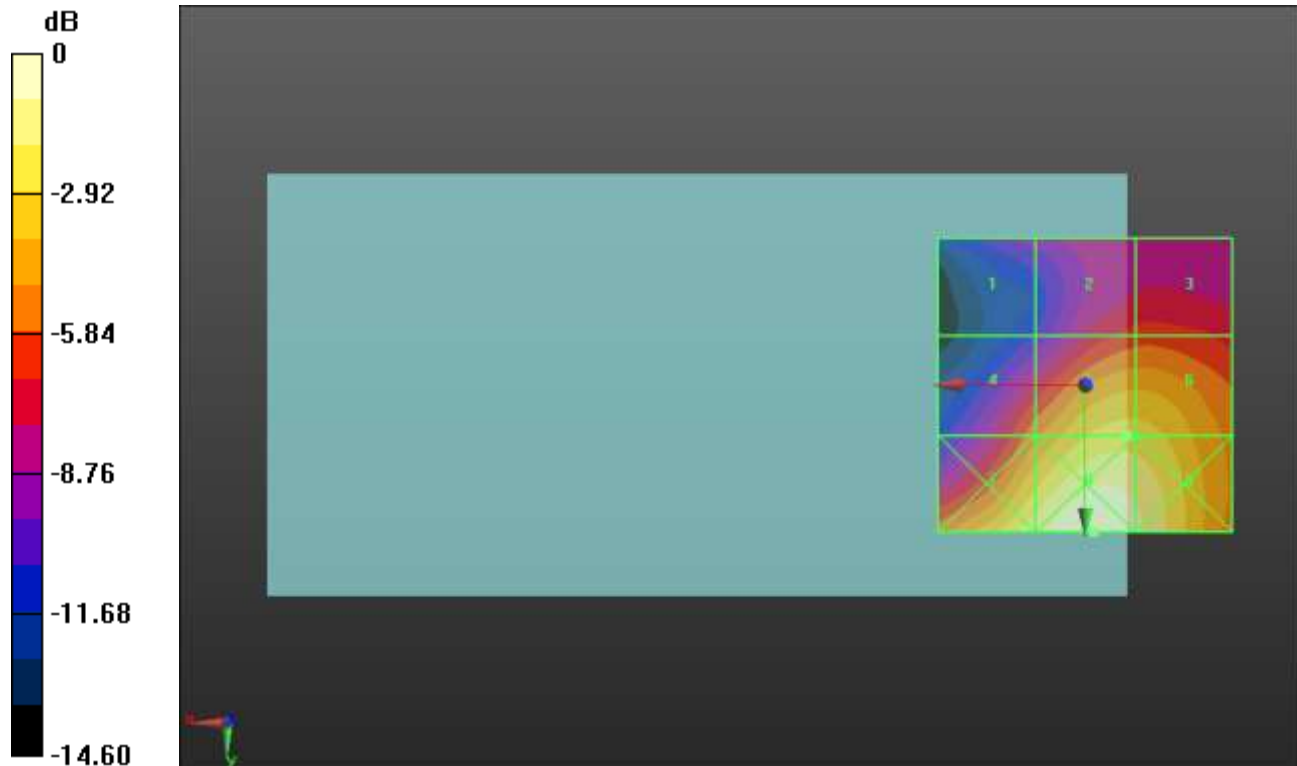
Applied MIF = -1.44 dB

RF audio interference level = 23.88 dBV/m

Emission category: **M4**

MIF scaled E-field

Grid 1 M4 17.22 dBV/m	Grid 2 M4 19.9 dBV/m	Grid 3 M4 20.01 dBV/m
Grid 4 M4 21.14 dBV/m	Grid 5 M4 23.88 dBV/m	Grid 6 M4 23.85 dBV/m
Grid 7 M4 25.06 dBV/m	Grid 8 M4 26.3 dBV/m	Grid 9 M4 25.64 dBV/m



0 dB = 20.65 V/m = 26.30 dBV/m

HAC-RF Emission ANT4

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

Phantom section: RF Section

DASY5 Configuration:

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

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

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 20.76 V/m; Power Drift = -0.07 dB

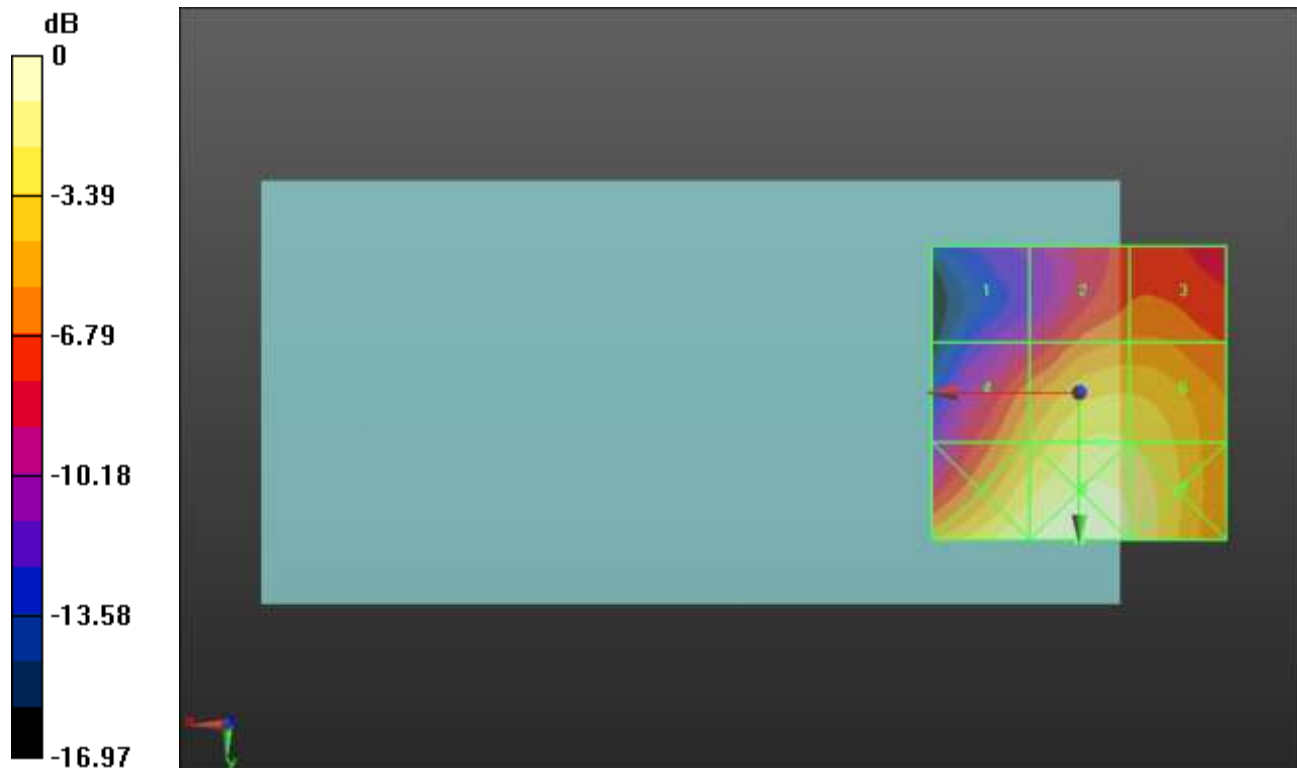
Applied MIF = -1.44 dB

RF audio interference level = 24.08 dBV/m

Emission category: **M4**

MIF scaled E-field

Grid 1 M4 16.78 dBV/m	Grid 2 M4 20.68 dBV/m	Grid 3 M4 20.74 dBV/m
Grid 4 M4 21.82 dBV/m	Grid 5 M4 24.08 dBV/m	Grid 6 M4 23.92 dBV/m
Grid 7 M4 25.3 dBV/m	Grid 8 M4 26.13 dBV/m	Grid 9 M4 25.1 dBV/m



0 dB = 20.26 V/m = 26.13 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 = 19.60 V/m; Power Drift = -0.04 dB

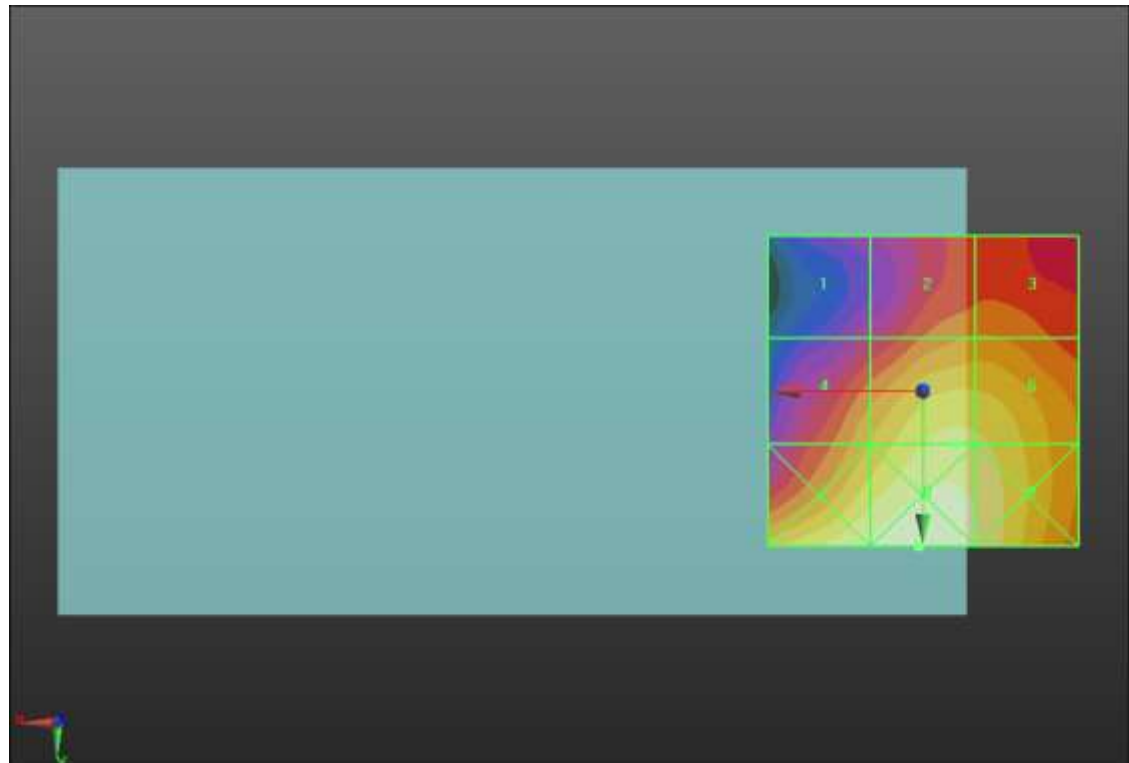
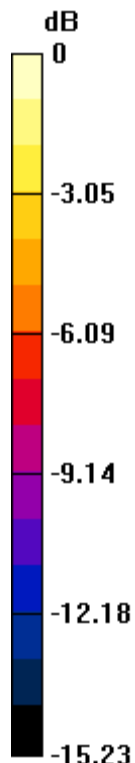
Applied MIF = -1.44 dB

RF audio interference level = 23.41 dBV/m

Emission category: **M4**

MIF scaled E-field

Grid 1 M4 16.83 dBV/m	Grid 2 M4 20.19 dBV/m	Grid 3 M4 20.2 dBV/m
Grid 4 M4 21.11 dBV/m	Grid 5 M4 23.41 dBV/m	Grid 6 M4 23.32 dBV/m
Grid 7 M4 24.48 dBV/m	Grid 8 M4 25.14 dBV/m	Grid 9 M4 24.22 dBV/m



0 dB = 18.07 V/m = 25.14 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 = 20.84 V/m; Power Drift = -0.08 dB

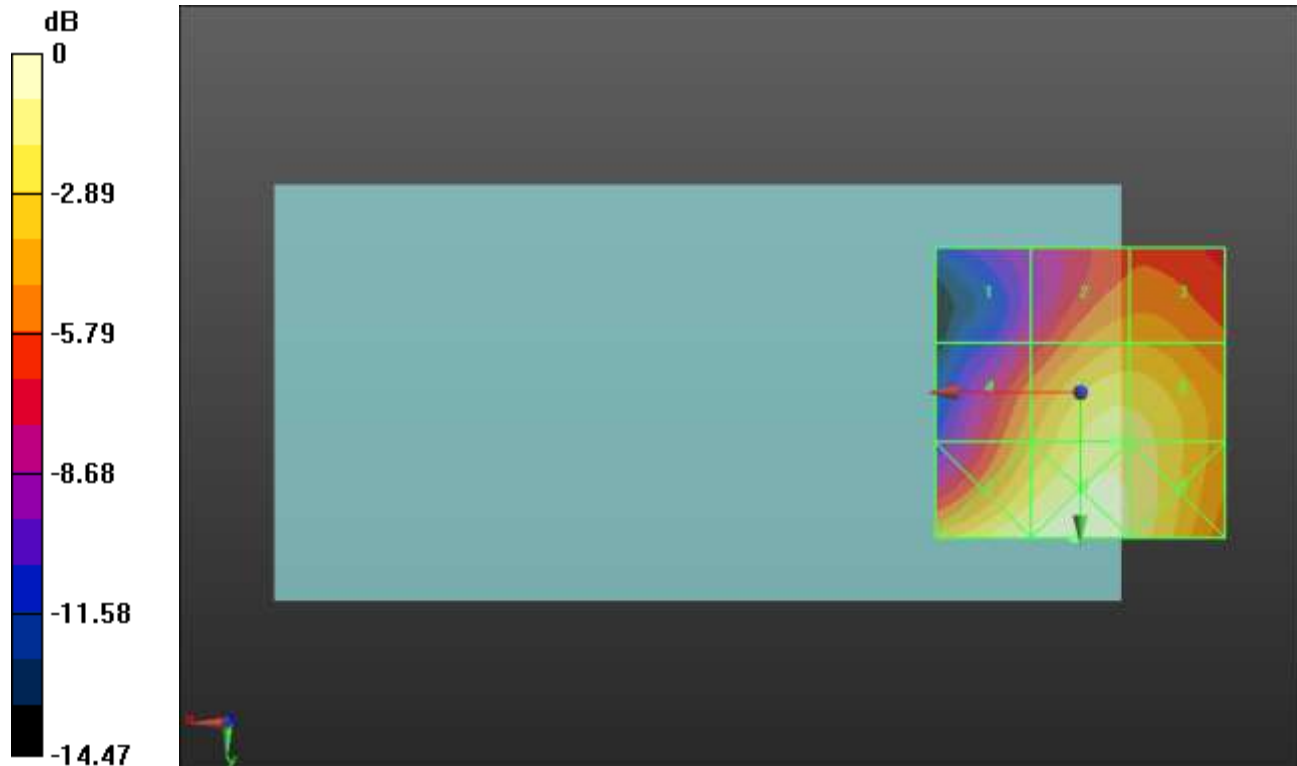
Applied MIF = -1.44 dB

RF audio interference level = 23.67 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 17.52 dBV/m	Grid 2 M4 21.19 dBV/m	Grid 3 M4 21.2 dBV/m
Grid 4 M4 21.17 dBV/m	Grid 5 M4 23.67 dBV/m	Grid 6 M4 23.58 dBV/m
Grid 7 M4 24.52 dBV/m	Grid 8 M4 25.05 dBV/m	Grid 9 M4 24.05 dBV/m



0 dB = 17.89 V/m = 25.05 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 = 20.07 V/m; Power Drift = -0.09 dB

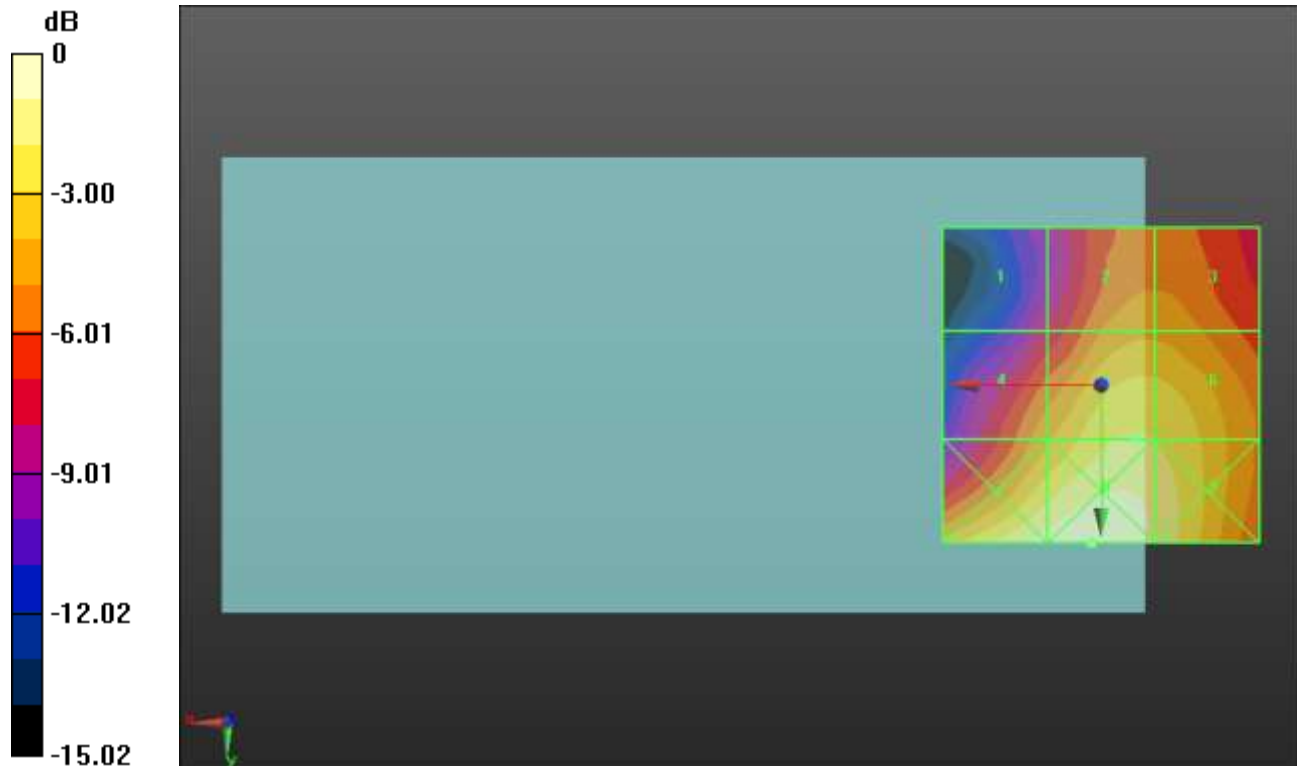
Applied MIF = -1.44 dB

RF audio interference level = 23.16 dBV/m

Emission category: **M4**

MIF scaled E-field

Grid 1 M4 17.28 dBV/m	Grid 2 M4 20.88 dBV/m	Grid 3 M4 20.87 dBV/m
Grid 4 M4 20.87 dBV/m	Grid 5 M4 23.16 dBV/m	Grid 6 M4 23.03 dBV/m
Grid 7 M4 24.59 dBV/m	Grid 8 M4 25.05 dBV/m	Grid 9 M4 23.91 dBV/m



0 dB = 17.89 V/m = 25.05 dBV/m

HAC-RF Emission ANT2

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

Phantom section: RF Section

DASY5 Configuration:

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

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

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

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 20.02 V/m; Power Drift = 0.01 dB

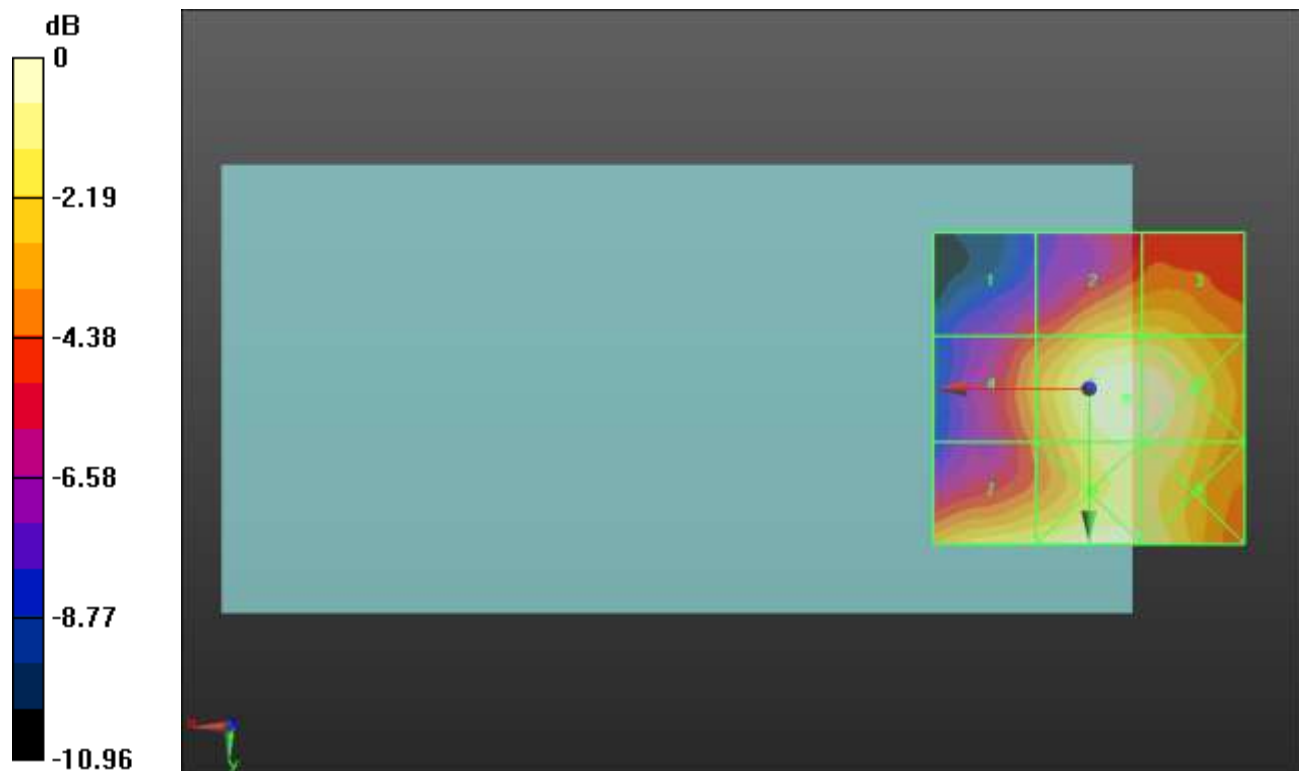
Applied MIF = -1.44 dB

RF audio interference level = 21.65 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 16.87 dBV/m	Grid 2 M4 19.86 dBV/m	Grid 3 M4 19.87 dBV/m
Grid 4 M4 18.53 dBV/m	Grid 5 M4 21.65 dBV/m	Grid 6 M4 21.56 dBV/m
Grid 7 M4 20.6 dBV/m	Grid 8 M4 21.51 dBV/m	Grid 9 M4 21.17 dBV/m



0 dB = 12.10 V/m = 21.66 dBV/m

HAC-RF Emission ANT2

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

Phantom section: RF Section

DASY5 Configuration:

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

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

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 18.63 V/m; Power Drift = -0.11 dB

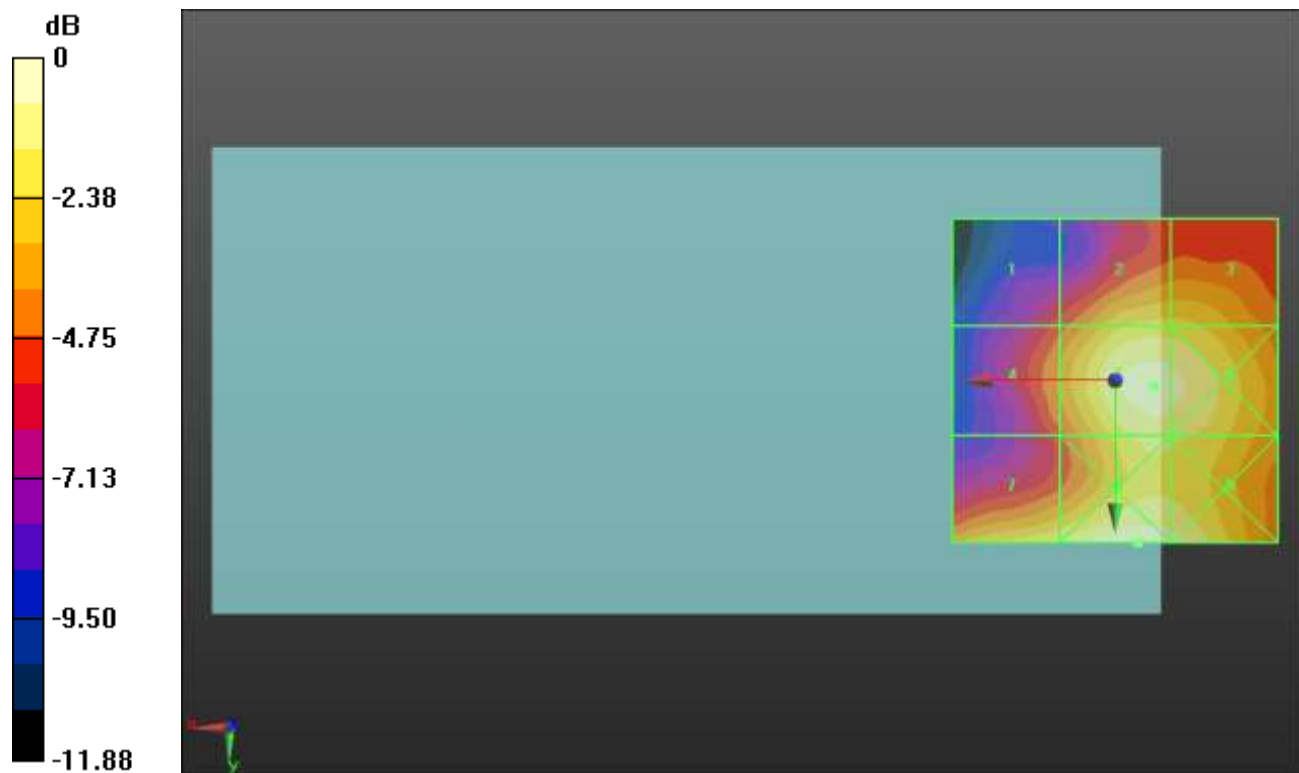
Applied MIF = -1.44 dB

RF audio interference level = 21.01 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 16.39 dBV/m	Grid 2 M4 19.42 dBV/m	Grid 3 M4 19.42 dBV/m
Grid 4 M4 17.74 dBV/m	Grid 5 M4 21.01 dBV/m	Grid 6 M4 20.9 dBV/m
Grid 7 M4 20.3 dBV/m	Grid 8 M4 21.49 dBV/m	Grid 9 M4 21.18 dBV/m



0 dB = 11.87 V/m = 21.49 dBV/m

HAC-RF Emission ANT2

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 = 13.12 V/m; Power Drift = -0.17 dB

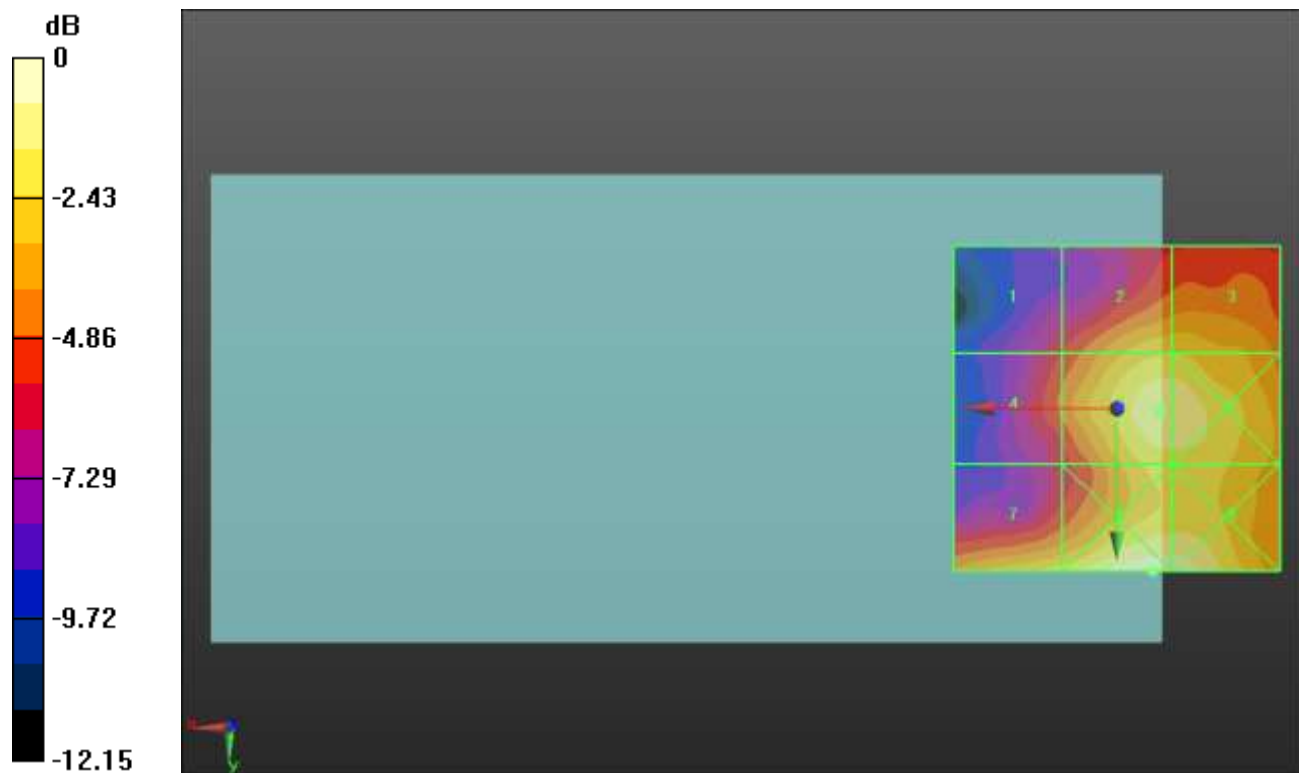
Applied MIF = -1.44 dB

RF audio interference level = 18.61 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 14.04 dBV/m	Grid 2 M4 17.25 dBV/m	Grid 3 M4 17.25 dBV/m
Grid 4 M4 15.07 dBV/m	Grid 5 M4 18.61 dBV/m	Grid 6 M4 18.51 dBV/m
Grid 7 M4 17.89 dBV/m	Grid 8 M4 19.69 dBV/m	Grid 9 M4 19.61 dBV/m



0 dB = 9.648 V/m = 19.69 dBV/m

HAC-RF Emission ANT2

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 = 10.85 V/m; Power Drift = -0.03 dB

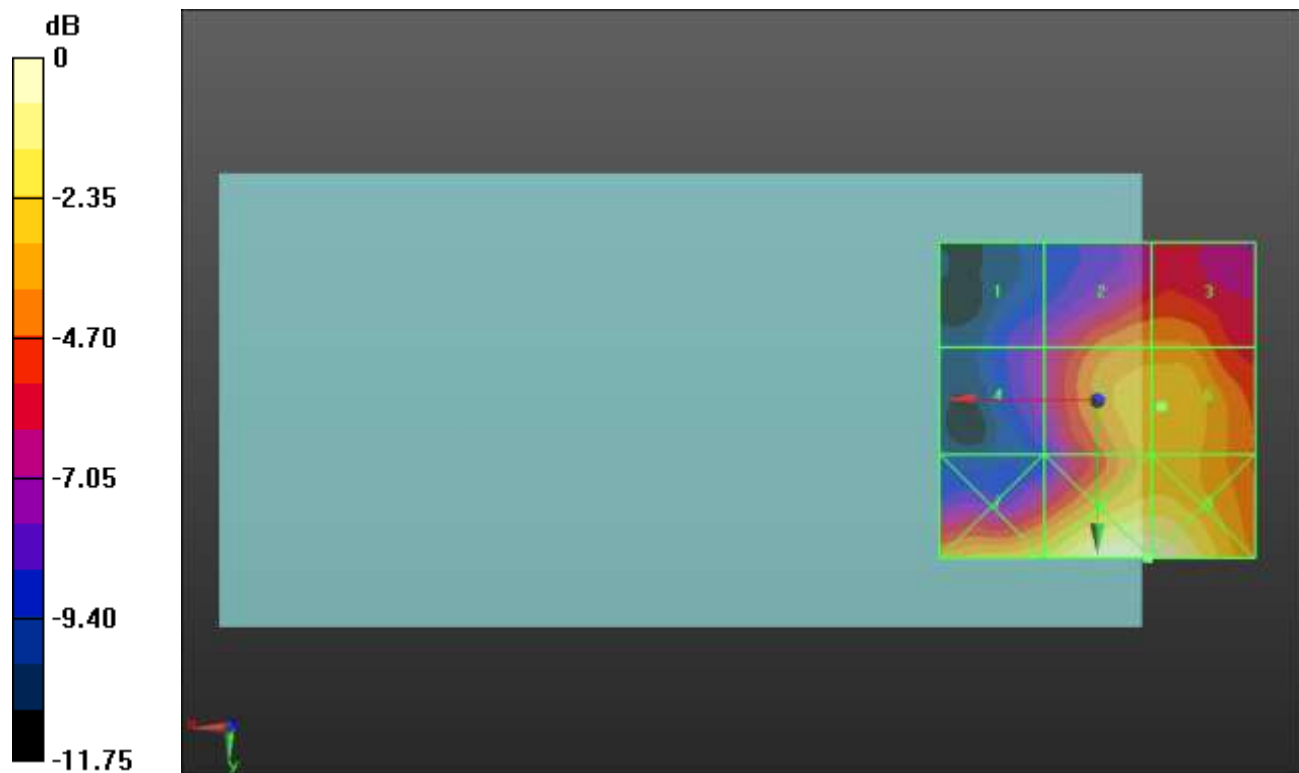
Applied MIF = -1.44 dB

RF audio interference level = 17.47 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 12.7 dBV/m	Grid 2 M4 16.13 dBV/m	Grid 3 M4 16.14 dBV/m
Grid 4 M4 13.01 dBV/m	Grid 5 M4 17.41 dBV/m	Grid 6 M4 17.47 dBV/m
Grid 7 M4 17.9 dBV/m	Grid 8 M4 19.79 dBV/m	Grid 9 M4 19.78 dBV/m



0 dB = 9.759 V/m = 19.79 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 = 33.88 V/m; Power Drift = -0.17 dB

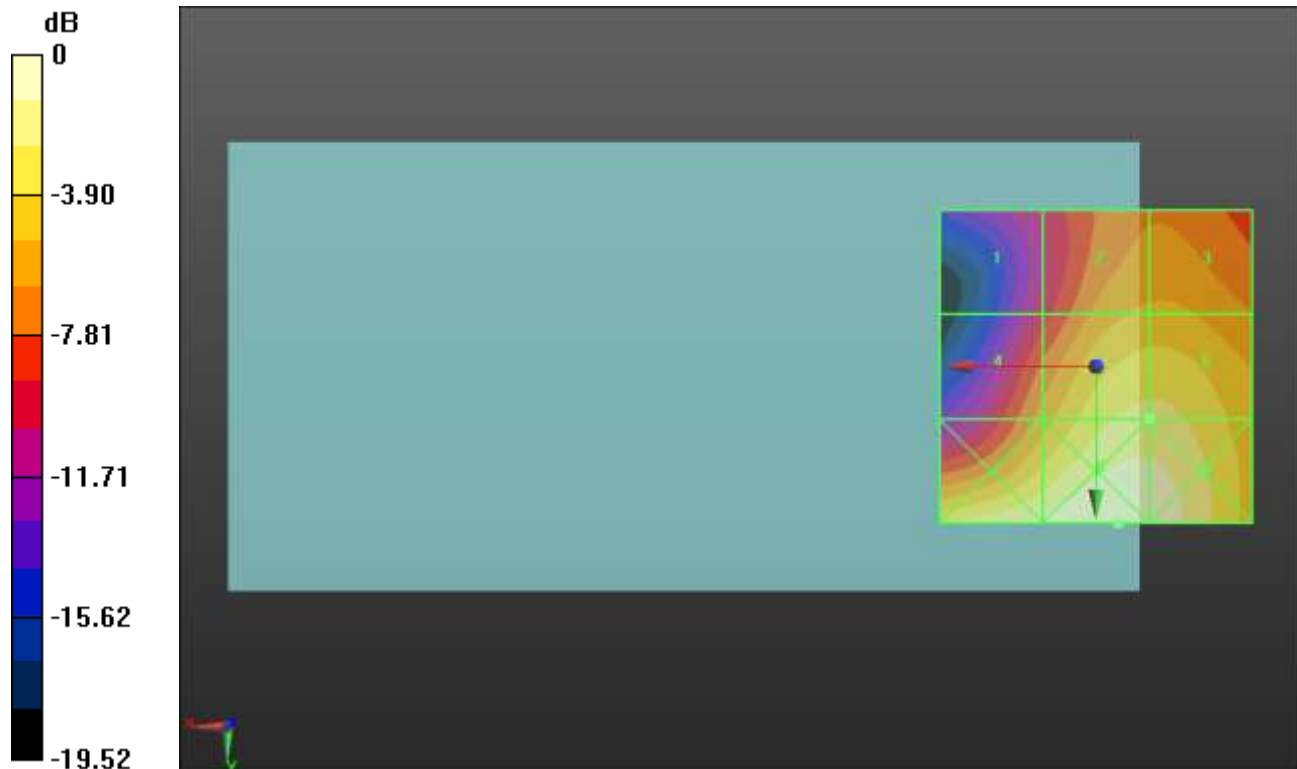
Applied MIF = -2.02 dB

RF audio interference level = 28.12 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 20.67 dBV/m	Grid 2 M4 25.4 dBV/m	Grid 3 M4 25.45 dBV/m
Grid 4 M4 24.5 dBV/m	Grid 5 M4 28.12 dBV/m	Grid 6 M4 28.12 dBV/m
Grid 7 M4 29.45 dBV/m	Grid 8 M3 30.28 dBV/m	Grid 9 M4 29.98 dBV/m



0 dB = 32.67 V/m = 30.28 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 = 37.57 V/m; Power Drift = -0.04 dB

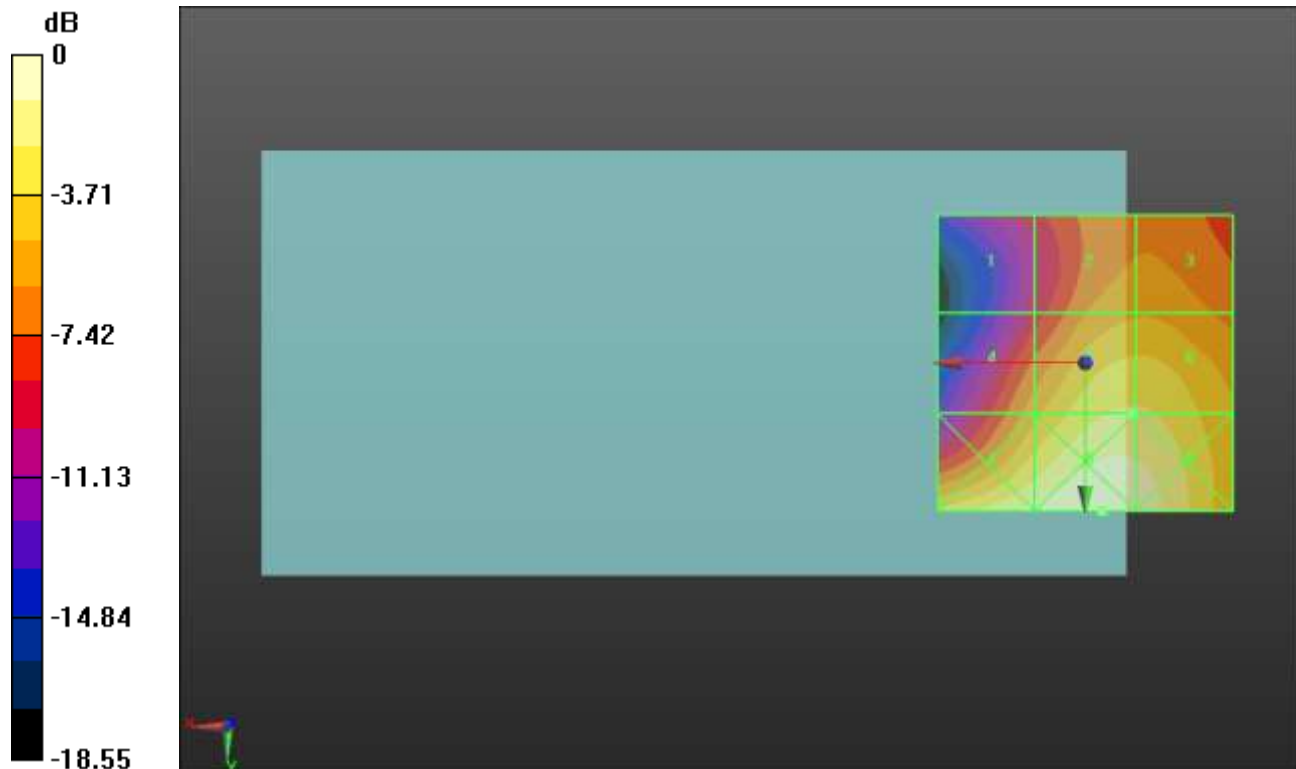
Applied MIF = -2.02 dB

RF audio interference level = 28.91 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 22.18 dBV/m	Grid 2 M4 26.1 dBV/m	Grid 3 M4 26.12 dBV/m
Grid 4 M4 25.88 dBV/m	Grid 5 M4 28.91 dBV/m	Grid 6 M4 28.9 dBV/m
Grid 7 M3 30.32 dBV/m	Grid 8 M3 31.18 dBV/m	Grid 9 M3 30.75 dBV/m



0 dB = 36.22 V/m = 31.18 dBV/m

HAC-RF Emission ANT4 Wi-Fi 2.4GHz

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

Phantom section: RF Section

DASY5 Configuration:

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

802.11b E-Field measurement/IEEE 802.11b_OFDM 11 Mbps Ch. 11/Hearing Aid Compatibility Test (101x101x1):

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

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 31.84 V/m; Power Drift = -0.01 dB

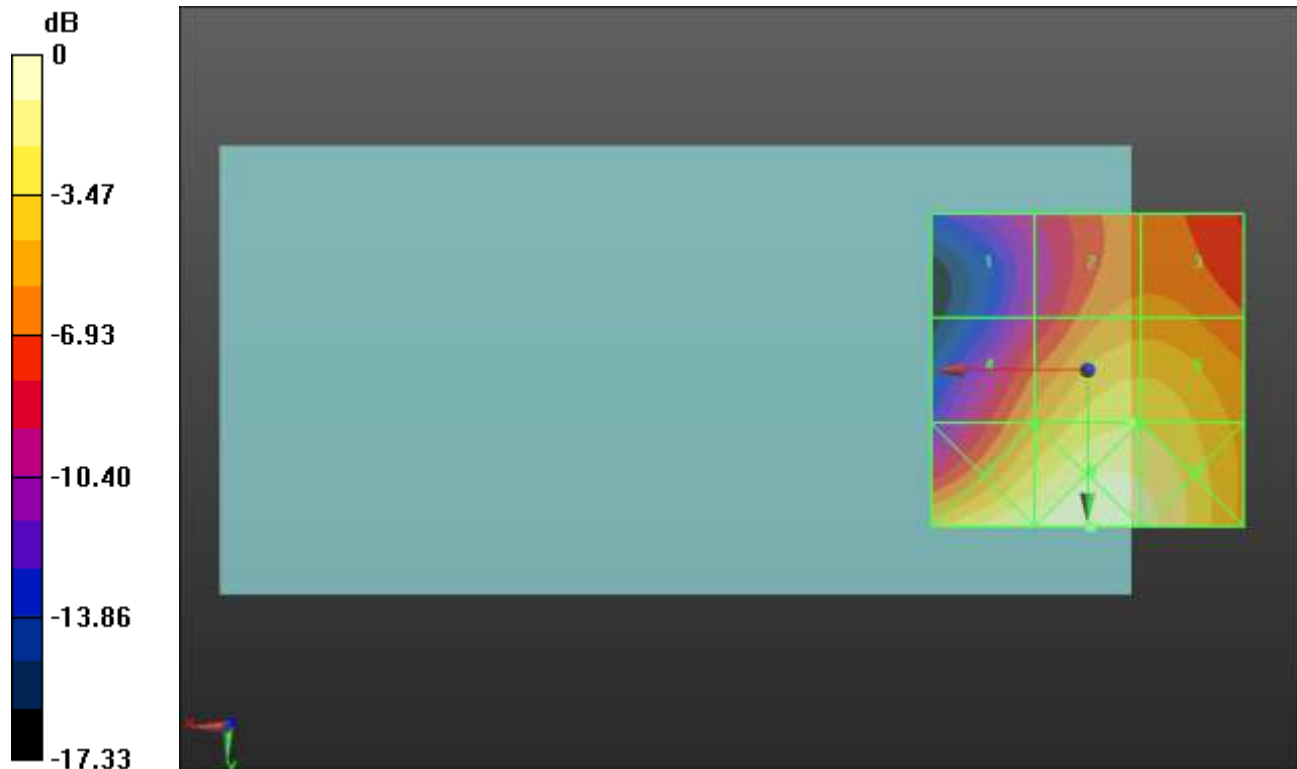
Applied MIF = -2.02 dB

RF audio interference level = 27.64 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 20.9 dBV/m	Grid 2 M4 24.81 dBV/m	Grid 3 M4 24.82 dBV/m
Grid 4 M4 24.99 dBV/m	Grid 5 M4 27.64 dBV/m	Grid 6 M4 27.62 dBV/m
Grid 7 M4 29.31 dBV/m	Grid 8 M3 30.04 dBV/m	Grid 9 M4 29.43 dBV/m



0 dB = 31.77 V/m = 30.04 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 = 31.48 V/m; Power Drift = -0.05 dB

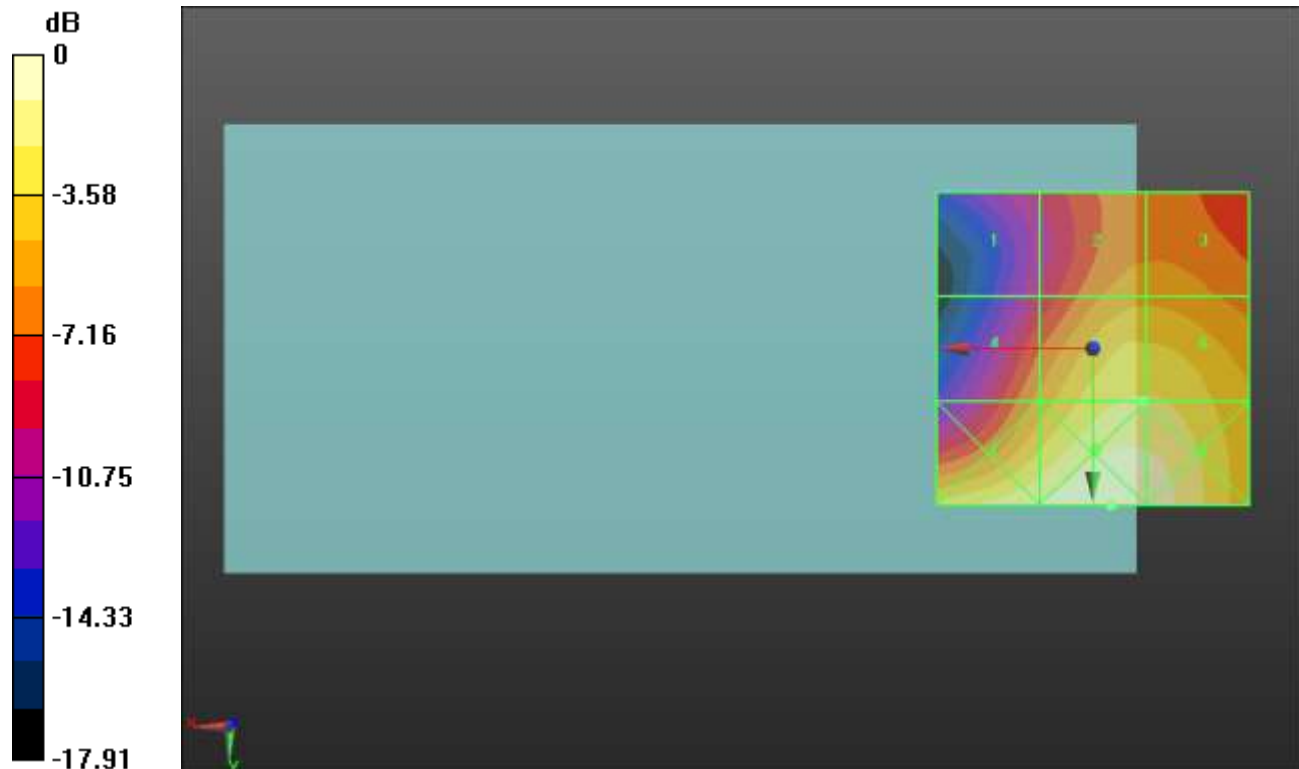
Applied MIF = 0.12 dB

RF audio interference level = 29.62 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 22.69 dBV/m	Grid 2 M4 26.73 dBV/m	Grid 3 M4 26.73 dBV/m
Grid 4 M4 26.35 dBV/m	Grid 5 M4 29.62 dBV/m	Grid 6 M4 29.62 dBV/m
Grid 7 M3 30.89 dBV/m	Grid 8 M3 31.84 dBV/m	Grid 9 M3 31.49 dBV/m



0 dB = 39.10 V/m = 31.84 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 = 37.45 V/m; Power Drift = -0.02 dB

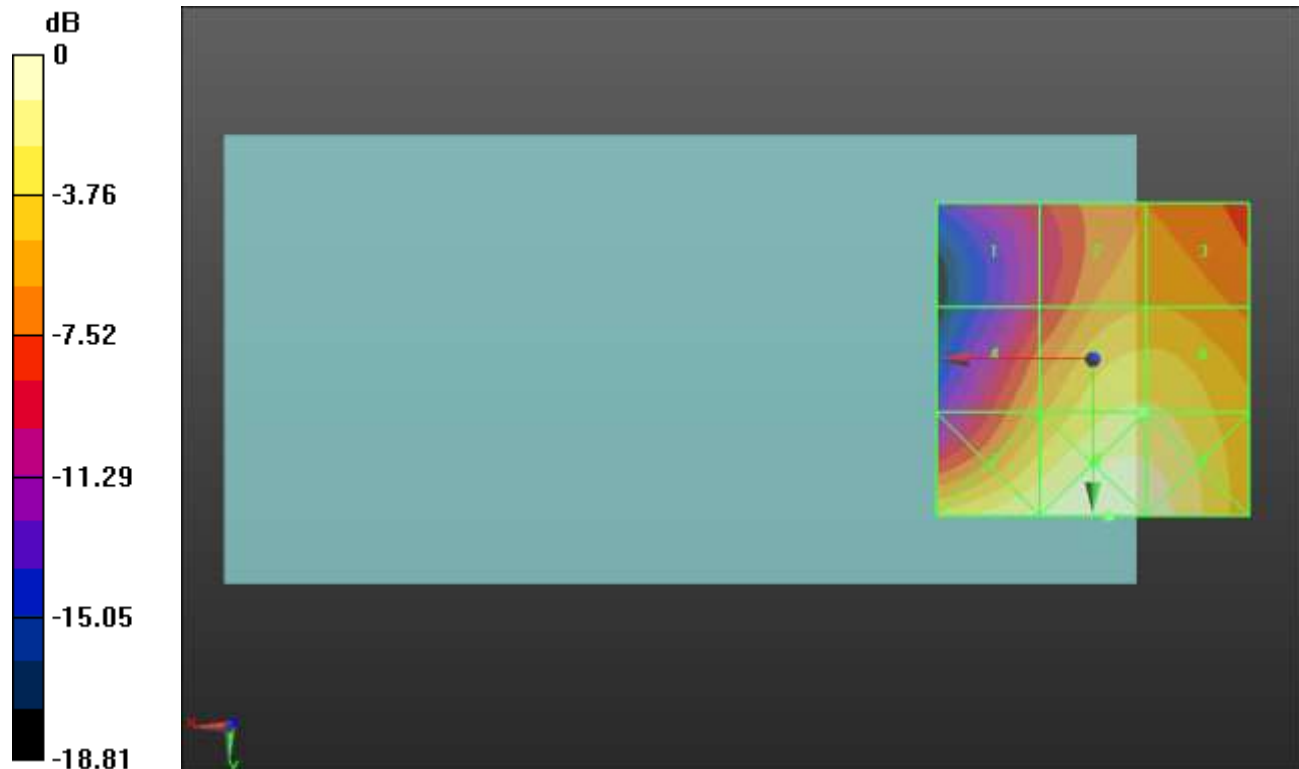
Applied MIF = 0.12 dB

RF audio interference level = 31.05 dBV/m

Emission category: **M3**

MIF scaled E-field

Grid 1 M4 24.37 dBV/m	Grid 2 M4 28.28 dBV/m	Grid 3 M4 28.3 dBV/m
Grid 4 M4 28.02 dBV/m	Grid 5 M3 31.05 dBV/m	Grid 6 M3 31.05 dBV/m
Grid 7 M3 32.45 dBV/m	Grid 8 M3 33.31 dBV/m	Grid 9 M3 32.88 dBV/m



0 dB = 46.30 V/m = 33.31 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 = 34.73 V/m; Power Drift = -0.09 dB

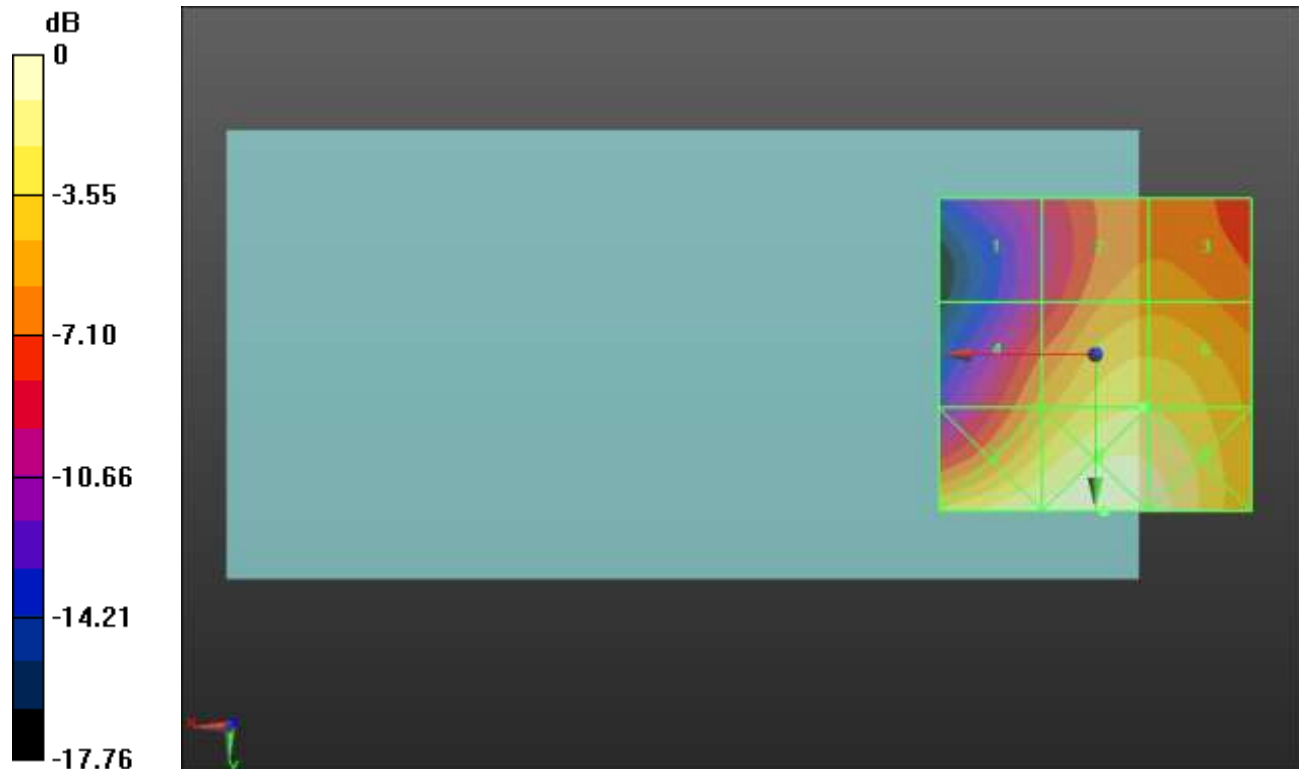
Applied MIF = 0.12 dB

RF audio interference level = 30.34 dBV/m

Emission category: **M3**

MIF scaled E-field

Grid 1 M4 23.62 dBV/m	Grid 2 M4 27.6 dBV/m	Grid 3 M4 27.61 dBV/m
Grid 4 M4 27.5 dBV/m	Grid 5 M3 30.34 dBV/m	Grid 6 M3 30.33 dBV/m
Grid 7 M3 31.99 dBV/m	Grid 8 M3 32.72 dBV/m	Grid 9 M3 32.22 dBV/m



0 dB = 43.26 V/m = 32.72 dBV/m

HAC-RF Emission ANT5 Wi-Fi 5GHz

Communication System: UID 10062 - CAC, IEEE 802.11a/h WiFi 5 GHz (OFDM, 6 Mbps); Frequency: 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 = 5.693 V/m; Power Drift = -0.19 dB

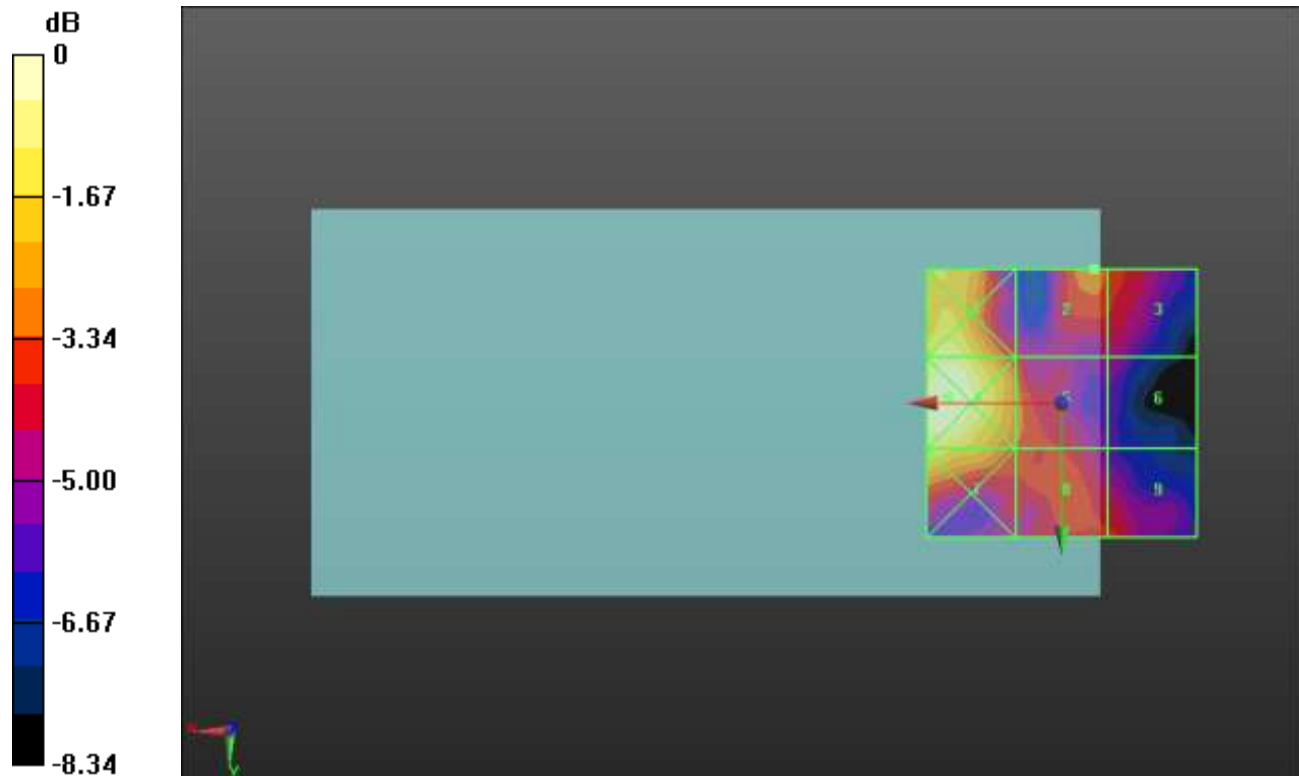
Applied MIF = -5.82 dB

RF audio interference level = 9.82 dBV/m

Emission category: **M4**

MIF scaled E-field

Grid 1 M4 11.99 dBV/m	Grid 2 M4 9.82 dBV/m	Grid 3 M4 9.24 dBV/m
Grid 4 M4 12.69 dBV/m	Grid 5 M4 9.78 dBV/m	Grid 6 M4 7.78 dBV/m
Grid 7 M4 11.71 dBV/m	Grid 8 M4 9.24 dBV/m	Grid 9 M4 8.95 dBV/m



0 dB = 4.308 V/m = 12.69 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 = 5.998 V/m; Power Drift = -0.16 dB

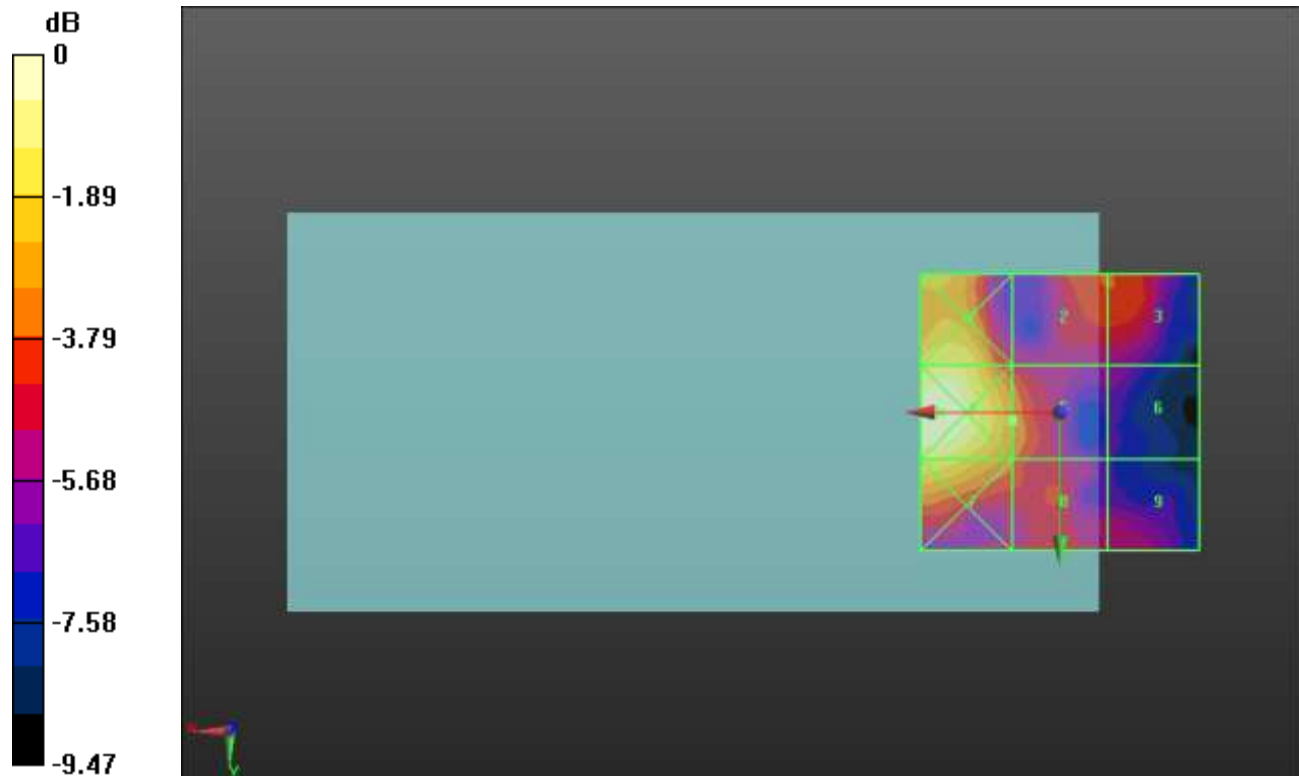
Applied MIF = -5.82 dB

RF audio interference level = 9.70 dBV/m

Emission category: **M4**

MIF scaled E-field

Grid 1 M4 11.5 dBV/m	Grid 2 M4 8.94 dBV/m	Grid 3 M4 8.94 dBV/m
Grid 4 M4 12.68 dBV/m	Grid 5 M4 9.7 dBV/m	Grid 6 M4 6.99 dBV/m
Grid 7 M4 11.5 dBV/m	Grid 8 M4 9.07 dBV/m	Grid 9 M4 7.58 dBV/m



0 dB = 4.305 V/m = 12.68 dBV/m

HAC-RF Emission ANT5 Wi-Fi 5GHz

Communication System: UID 10062 - CAC, IEEE 802.11a/h WiFi 5 GHz (OFDM, 6 Mbps); Frequency: 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 = 6.204 V/m; Power Drift = 0.01 dB

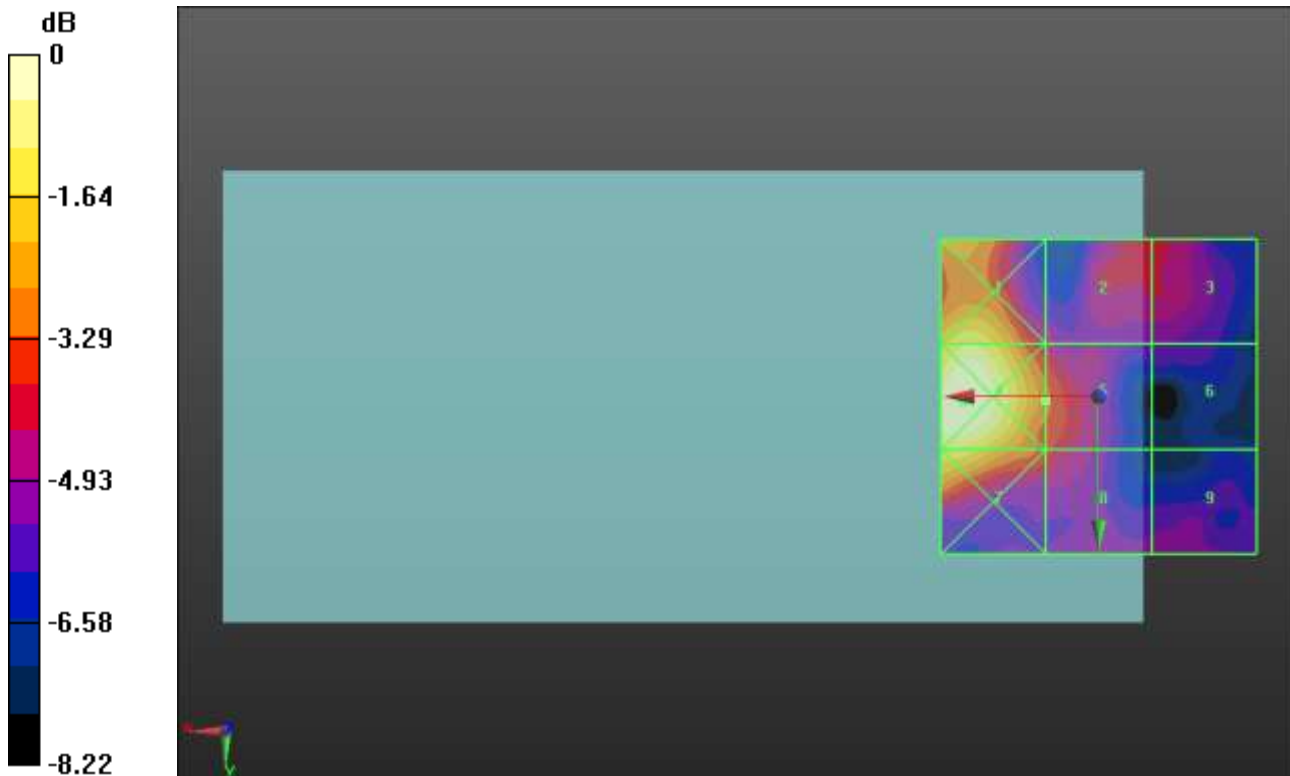
Applied MIF = -5.82 dB

RF audio interference level = 10.57 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 12.46 dBV/m	Grid 2 M4 9.45 dBV/m	Grid 3 M4 9.41 dBV/m
Grid 4 M4 13.6 dBV/m	Grid 5 M4 10.57 dBV/m	Grid 6 M4 8.17 dBV/m
Grid 7 M4 12.53 dBV/m	Grid 8 M4 10.01 dBV/m	Grid 9 M4 8.39 dBV/m



0 dB = 4.785 V/m = 13.60 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 = 6.638 V/m; Power Drift = 0.05 dB

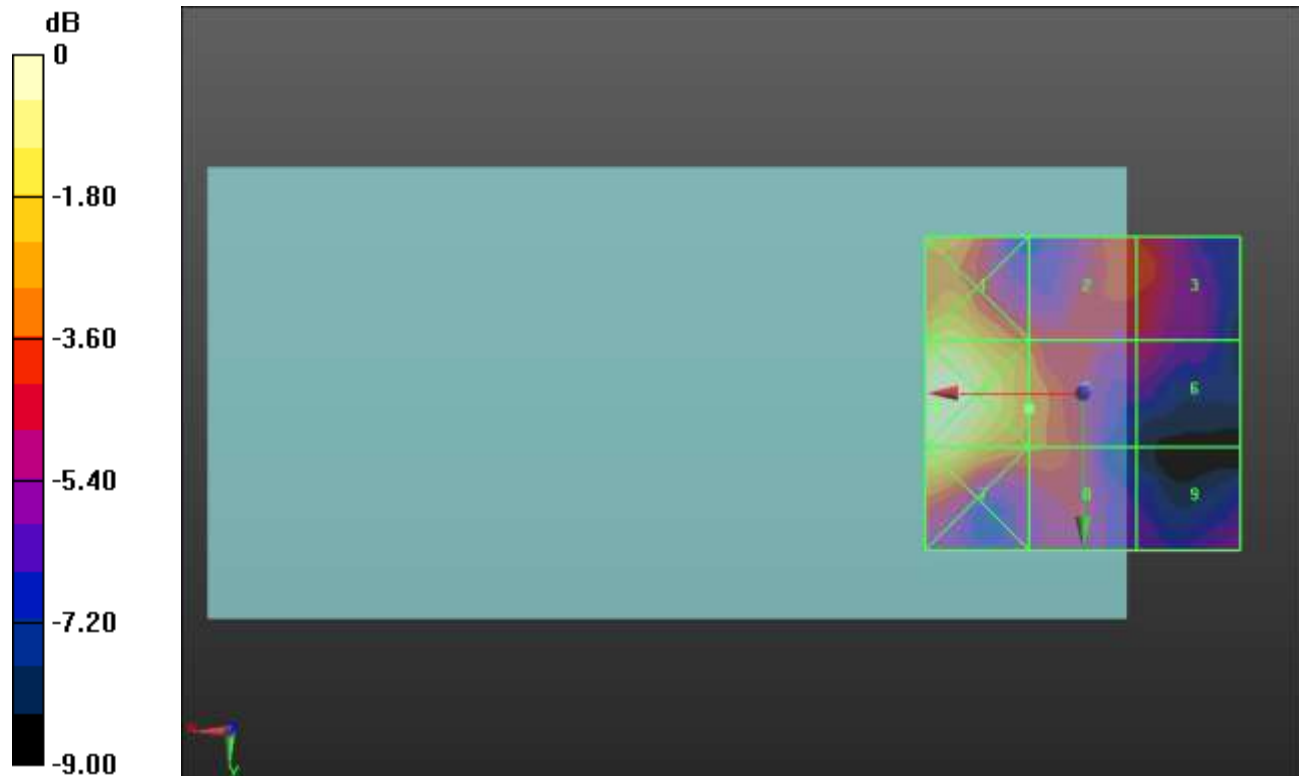
Applied MIF = -5.82 dB

RF audio interference level = 10.75 dBV/m

Emission category: **M4**

MIF scaled E-field

Grid 1 M4 12.23 dBV/m	Grid 2 M4 10.03 dBV/m	Grid 3 M4 10.04 dBV/m
Grid 4 M4 13.65 dBV/m	Grid 5 M4 10.75 dBV/m	Grid 6 M4 8.76 dBV/m
Grid 7 M4 12.92 dBV/m	Grid 8 M4 10.21 dBV/m	Grid 9 M4 8.08 dBV/m



0 dB = 4.814 V/m = 13.65 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 Rerun/Hearing Aid Compatibility Test (101x101x1):

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

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 6.302 V/m; Power Drift = 0.07 dB

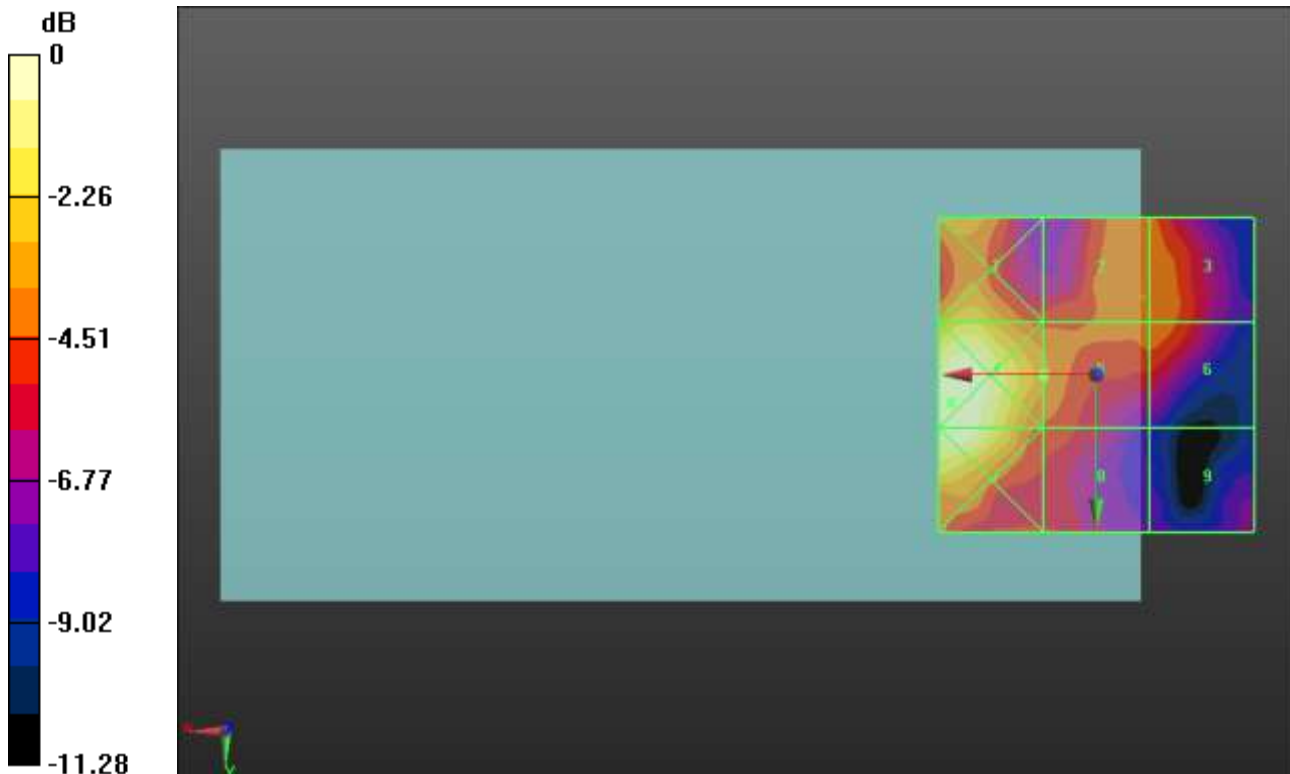
Applied MIF = -5.82 dB

RF audio interference level = 10.18 dBV/m

Emission category: **M4**

MIF scaled E-field

Grid 1 M4 11.33 dBV/m	Grid 2 M4 9.85 dBV/m	Grid 3 M4 9.83 dBV/m
Grid 4 M4 13.59 dBV/m	Grid 5 M4 10.18 dBV/m	Grid 6 M4 9.65 dBV/m
Grid 7 M4 13.39 dBV/m	Grid 8 M4 8.94 dBV/m	Grid 9 M4 6.8 dBV/m



0 dB = 4.781 V/m = 13.59 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 = 7.490 V/m; Power Drift = -0.05 dB

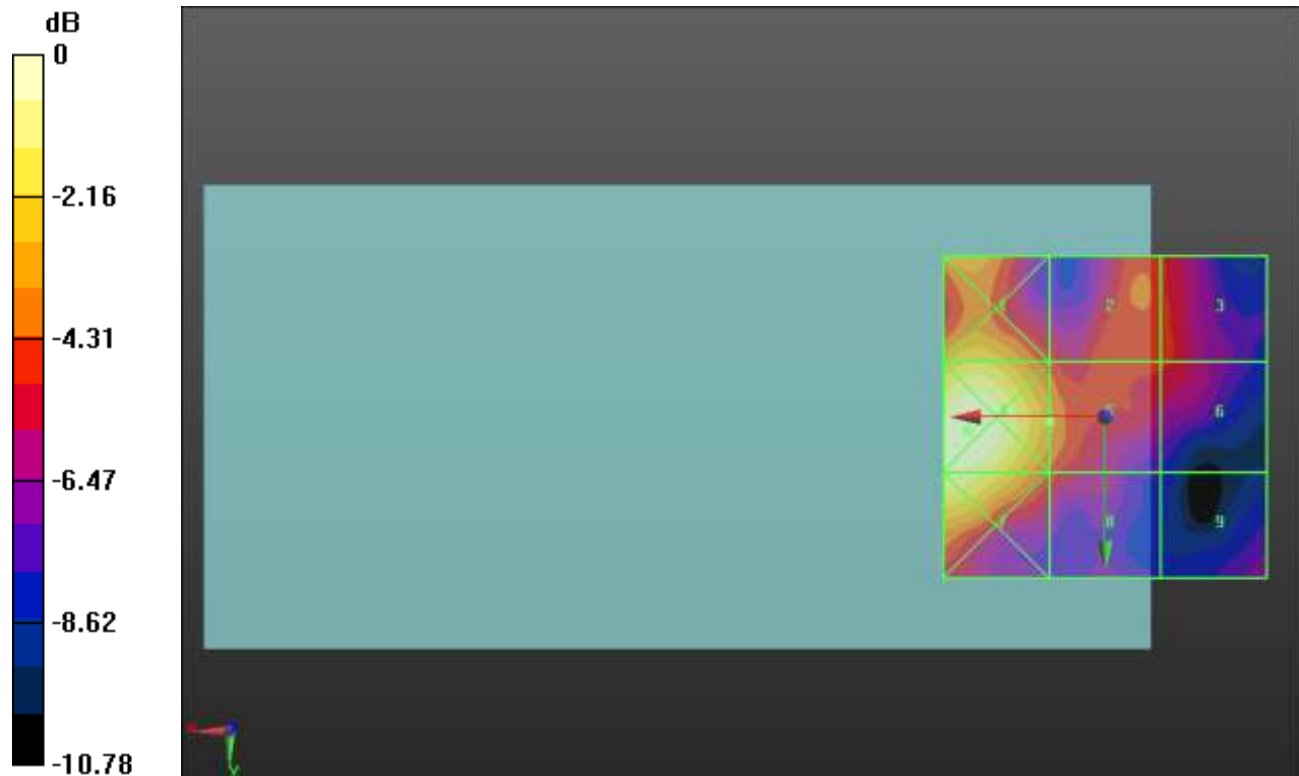
Applied MIF = -5.82 dB

RF audio interference level = 11.64 dBV/m

Emission category: **M4**

MIF scaled E-field

Grid 1 M4 12.88 dBV/m	Grid 2 M4 10.86 dBV/m	Grid 3 M4 10.35 dBV/m
Grid 4 M4 14.95 dBV/m	Grid 5 M4 11.64 dBV/m	Grid 6 M4 10.15 dBV/m
Grid 7 M4 14.31 dBV/m	Grid 8 M4 10.43 dBV/m	Grid 9 M4 8.38 dBV/m



0 dB = 5.594 V/m = 14.95 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 = 10.22 V/m; Power Drift = -0.19 dB

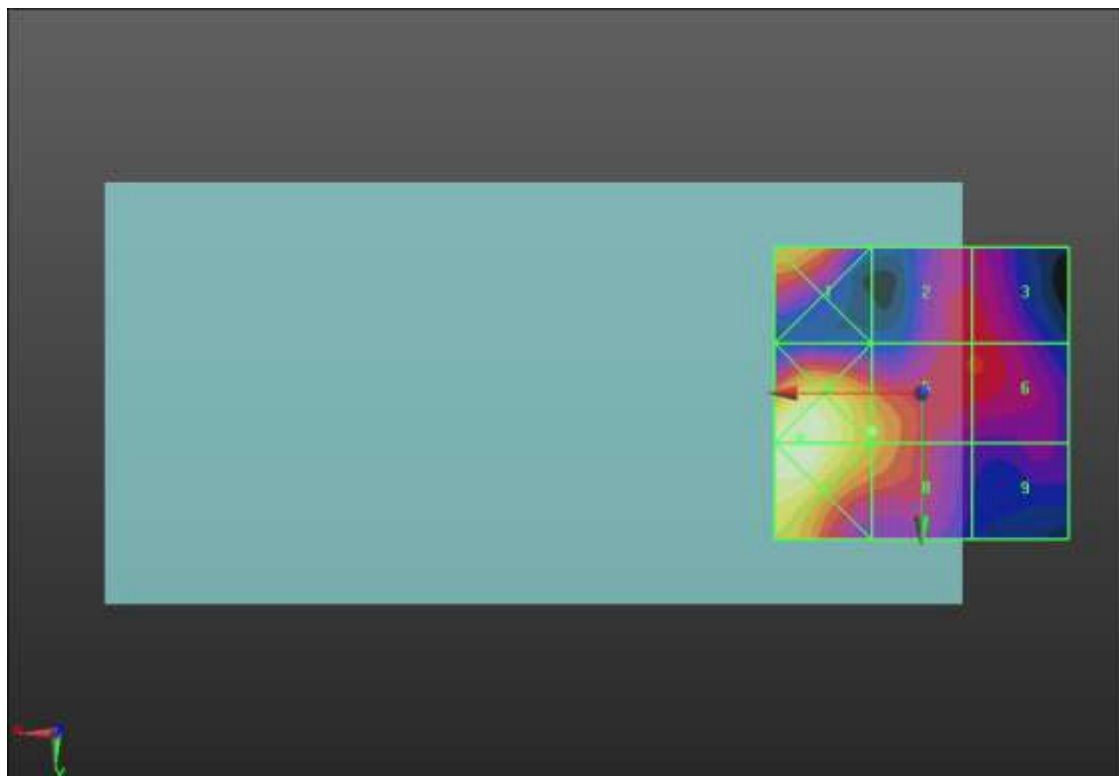
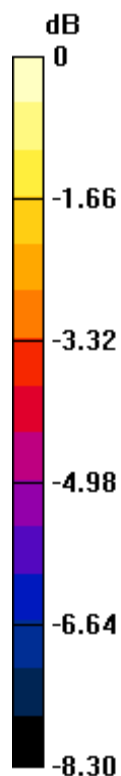
Applied MIF = -5.82 dB

RF audio interference level = 14.50 dBV/m

Emission category: **M4**

MIF scaled E-field

Grid 1 M4 14.59 dBV/m	Grid 2 M4 12.77 dBV/m	Grid 3 M4 12.76 dBV/m
Grid 4 M4 16.8 dBV/m	Grid 5 M4 14.5 dBV/m	Grid 6 M4 13.01 dBV/m
Grid 7 M4 16.77 dBV/m	Grid 8 M4 14.42 dBV/m	Grid 9 M4 11.59 dBV/m



0 dB = 6.919 V/m = 16.80 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 = 8.863 V/m; Power Drift = -0.16 dB

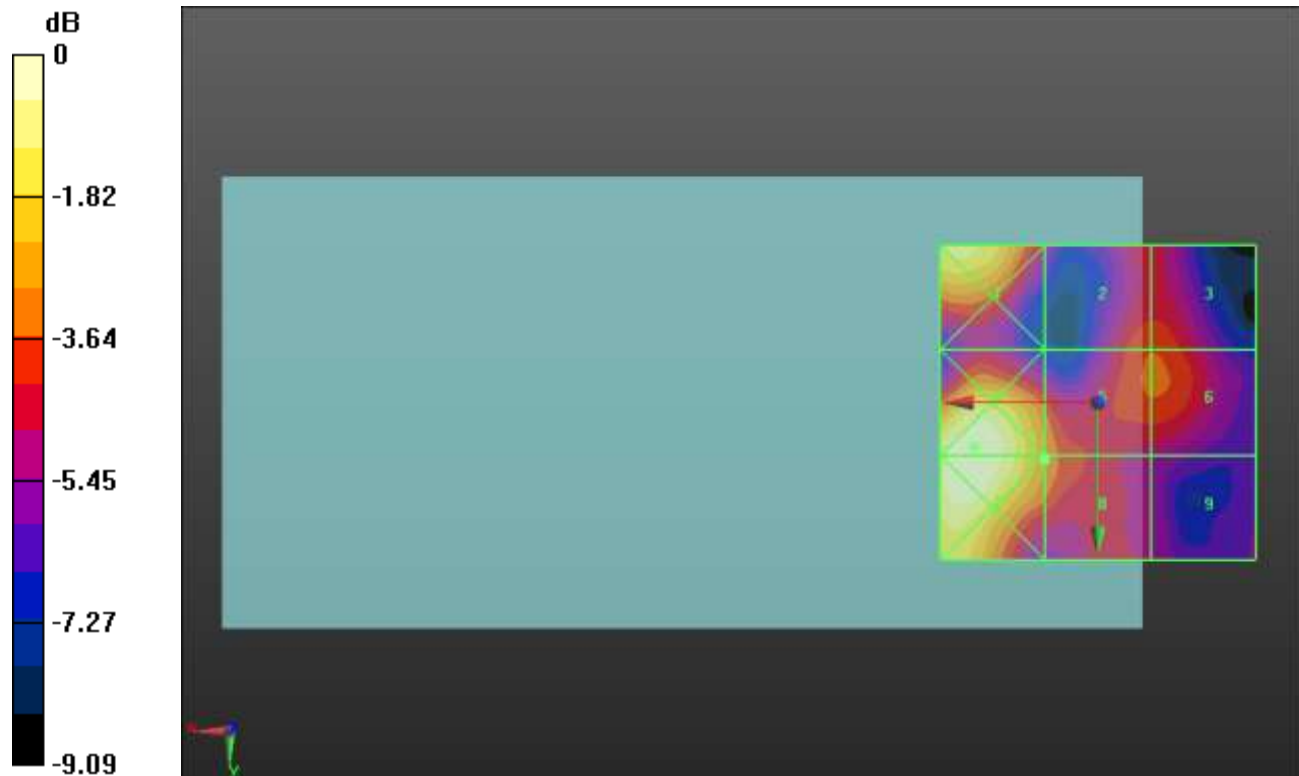
Applied MIF = -5.82 dB

RF audio interference level = 13.00 dBV/m

Emission category: **M4**

MIF scaled E-field

Grid 1 M4 14.91 dBV/m	Grid 2 M4 12.2 dBV/m	Grid 3 M4 12.2 dBV/m
Grid 4 M4 15.87 dBV/m	Grid 5 M4 13 dBV/m	Grid 6 M4 12.37 dBV/m
Grid 7 M4 15.83 dBV/m	Grid 8 M4 13 dBV/m	Grid 9 M4 10.58 dBV/m



0 dB = 6.217 V/m = 15.87 dBV/m

HAC-RF Emission ANT5 Wi-Fi 5GHz

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

Phantom section: RF Section

DASY5 Configuration:

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

802.11a E-Field measurement/IEEE 802.11a_OFDM 6 Mbps Ch. 144/Hearing Aid Compatibility Test (101x101x1):

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

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 8.745 V/m; Power Drift = 0.00 dB

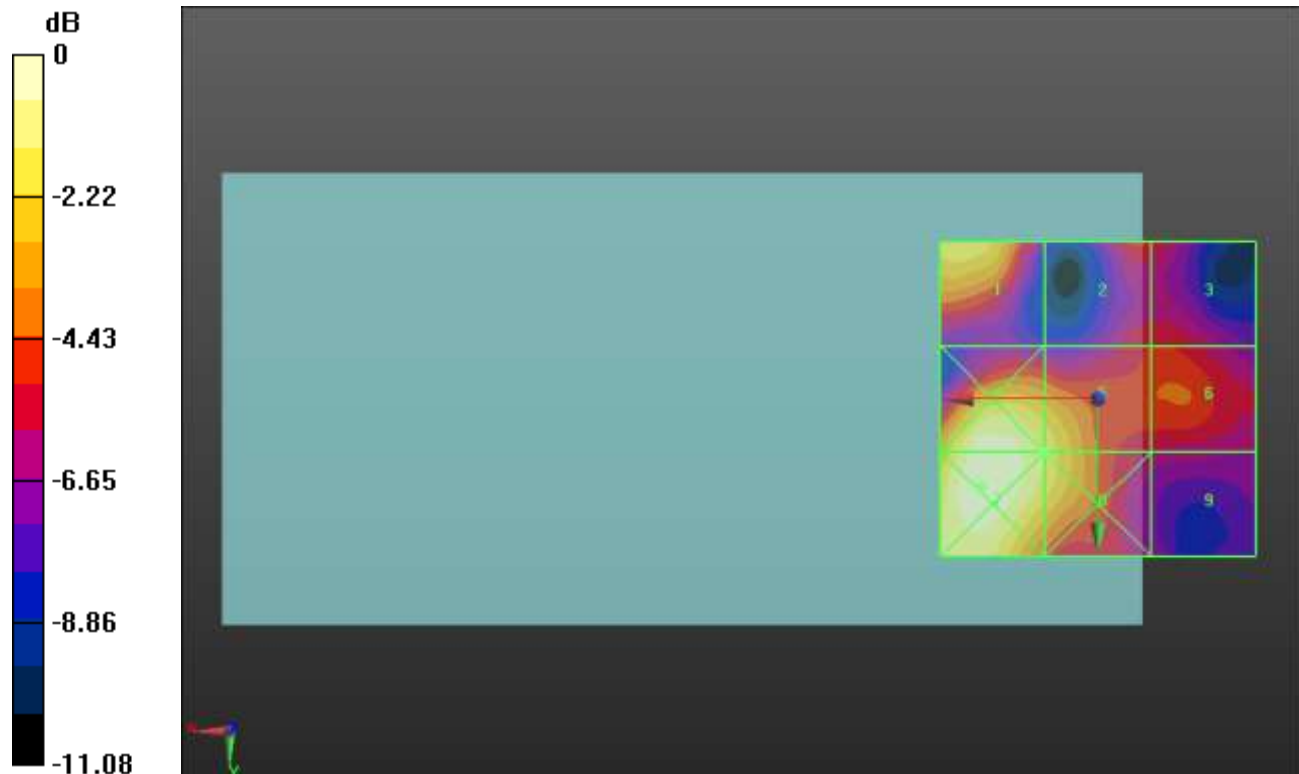
Applied MIF = -5.82 dB

RF audio interference level = 14.43 dBV/m

Emission category: **M4**

MIF scaled E-field

Grid 1 M4 14.36 dBV/m	Grid 2 M4 11.16 dBV/m	Grid 3 M4 10.91 dBV/m
Grid 4 M4 15.77 dBV/m	Grid 5 M4 14.43 dBV/m	Grid 6 M4 11.7 dBV/m
Grid 7 M4 16.03 dBV/m	Grid 8 M4 14.47 dBV/m	Grid 9 M4 9.97 dBV/m



0 dB = 6.328 V/m = 16.03 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: 5745 MHz; Duty Cycle: 1:7.37564

Phantom section: RF Section

DASY5 Configuration:

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

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

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

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 9.577 V/m; Power Drift = 0.13 dB

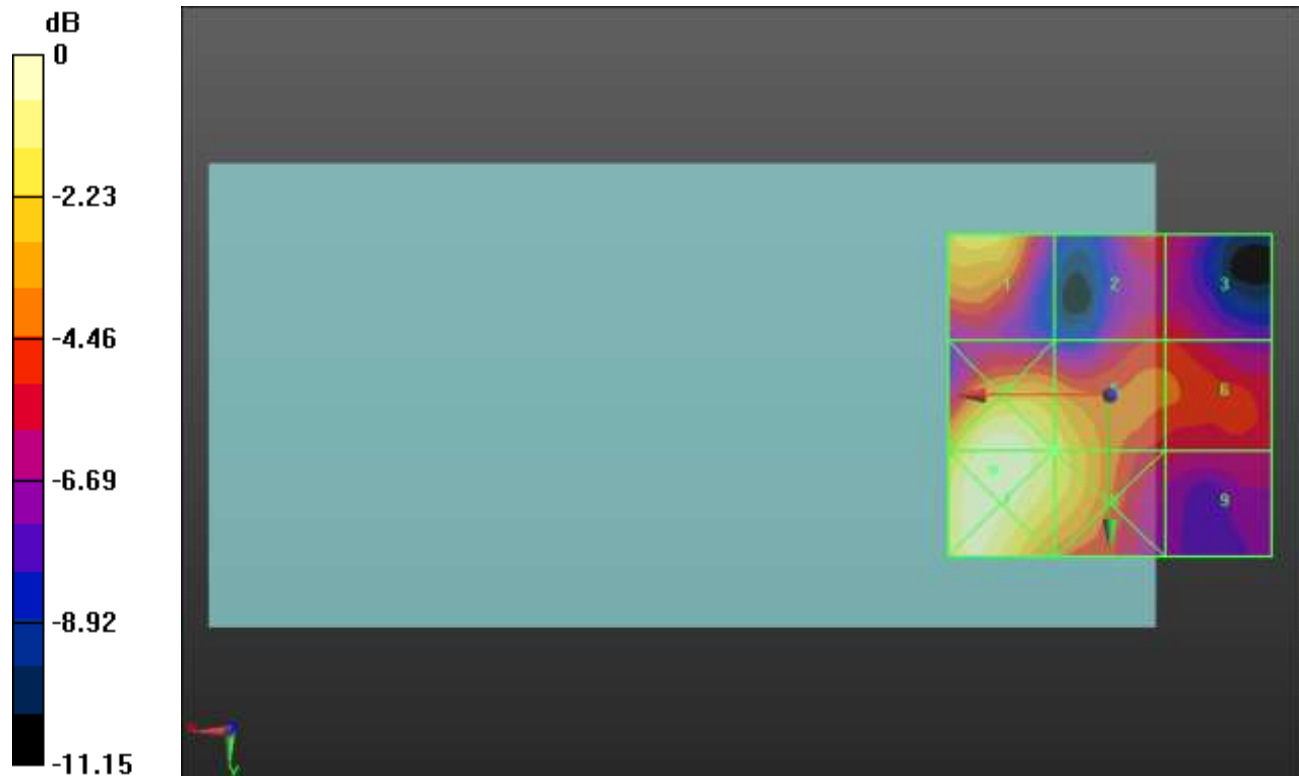
Applied MIF = -5.82 dB

RF audio interference level = 14.30 dBV/m

Emission category: **M4**

MIF scaled E-field

Grid 1 M4 14.28 dBV/m	Grid 2 M4 11.12 dBV/m	Grid 3 M4 10.84 dBV/m
Grid 4 M4 15.73 dBV/m	Grid 5 M4 14.3 dBV/m	Grid 6 M4 11.67 dBV/m
Grid 7 M4 15.97 dBV/m	Grid 8 M4 14.4 dBV/m	Grid 9 M4 10.4 dBV/m



0 dB = 6.284 V/m = 15.96 dBV/m

HAC-RF Emission ANT5 Wi-Fi 5GHz

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

Phantom section: RF Section

DASY5 Configuration:

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

802.11a E-Field measurement/IEEE 802.11a_OFDM 6 Mbps Ch. 157/Hearing Aid Compatibility Test (101x101x1):

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

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 9.381 V/m; Power Drift = -0.05 dB

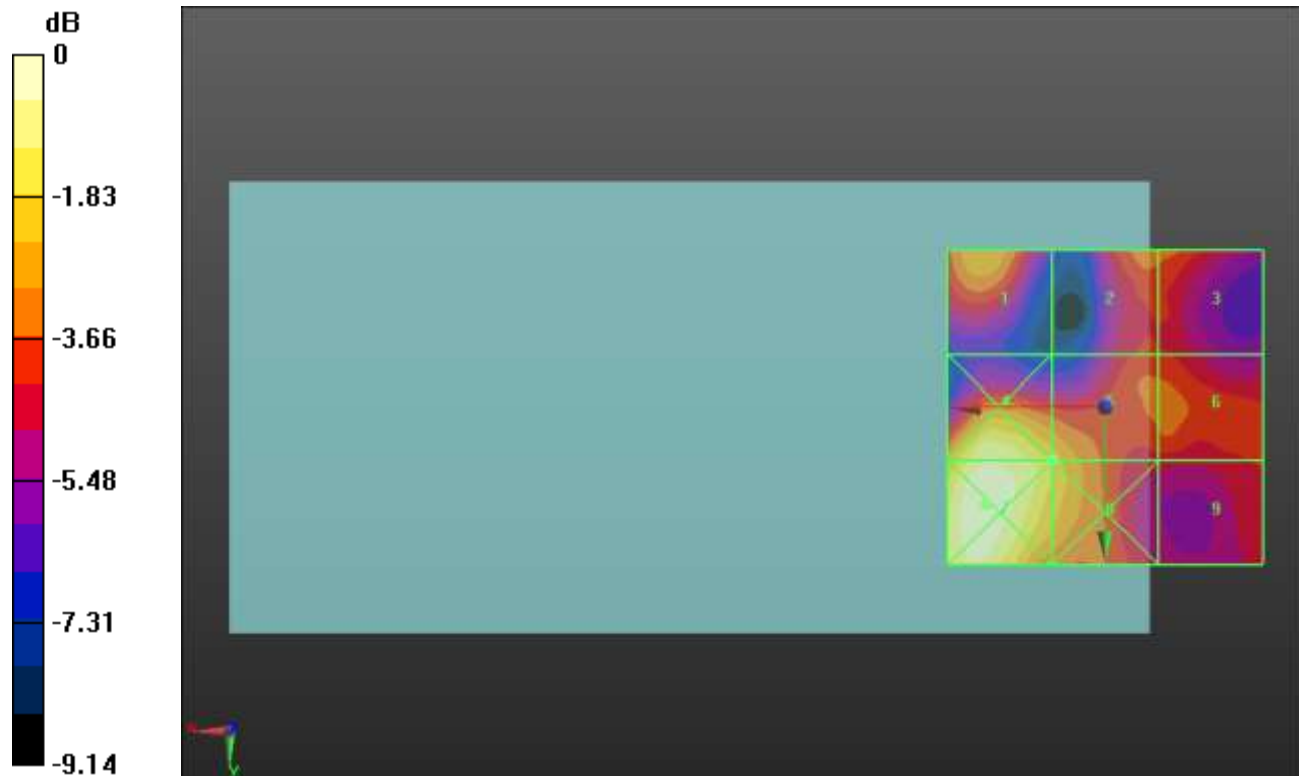
Applied MIF = -5.82 dB

RF audio interference level = 14.56 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 14.1 dBV/m	Grid 2 M4 13.35 dBV/m	Grid 3 M4 13.21 dBV/m
Grid 4 M4 15.99 dBV/m	Grid 5 M4 14.56 dBV/m	Grid 6 M4 13.03 dBV/m
Grid 7 M4 16.52 dBV/m	Grid 8 M4 14.77 dBV/m	Grid 9 M4 12.35 dBV/m



0 dB = 6.700 V/m = 16.52 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 = 8.451 V/m; Power Drift = -0.17 dB

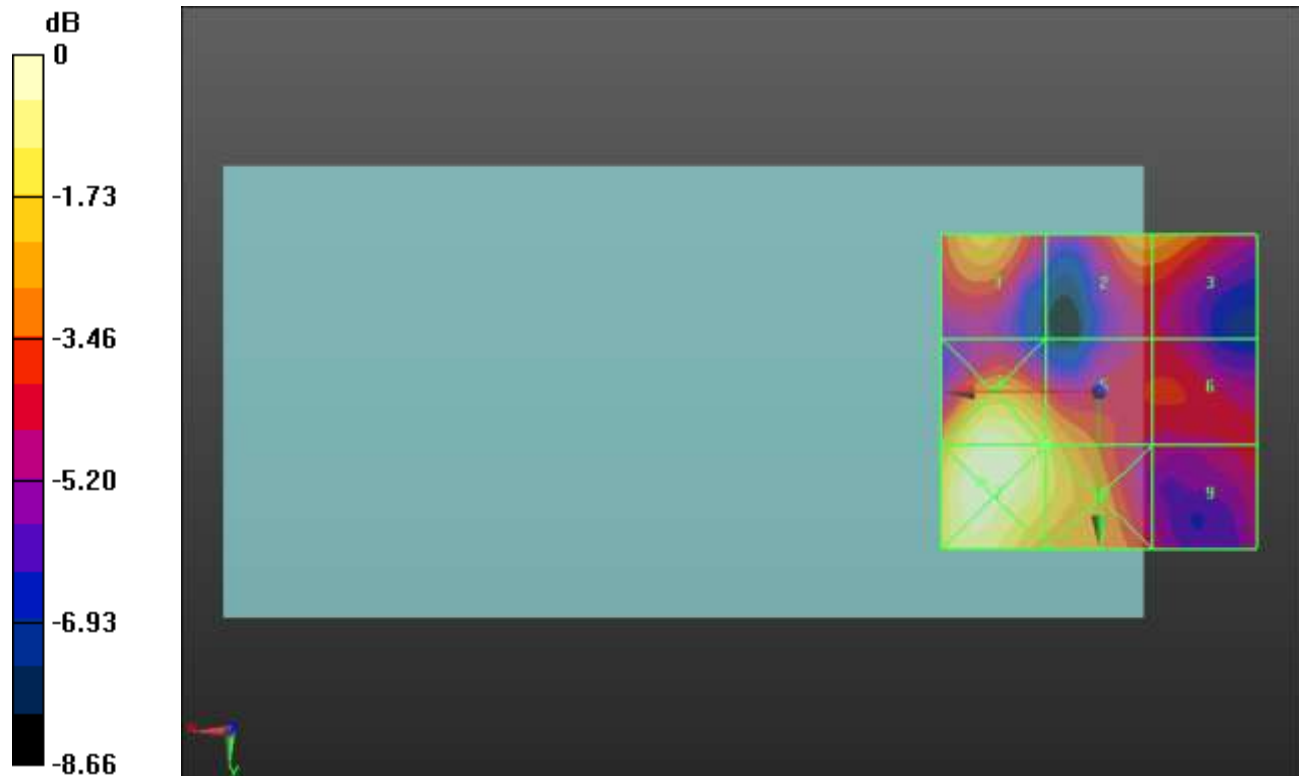
Applied MIF = -5.82 dB

RF audio interference level = 14.12 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 13.74 dBV/m	Grid 2 M4 13.42 dBV/m	Grid 3 M4 13.37 dBV/m
Grid 4 M4 15.51 dBV/m	Grid 5 M4 14.12 dBV/m	Grid 6 M4 11.93 dBV/m
Grid 7 M4 15.78 dBV/m	Grid 8 M4 14.43 dBV/m	Grid 9 M4 11.49 dBV/m



0 dB = 6.152 V/m = 15.78 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 = 9.685 V/m; Power Drift = -0.14 dB

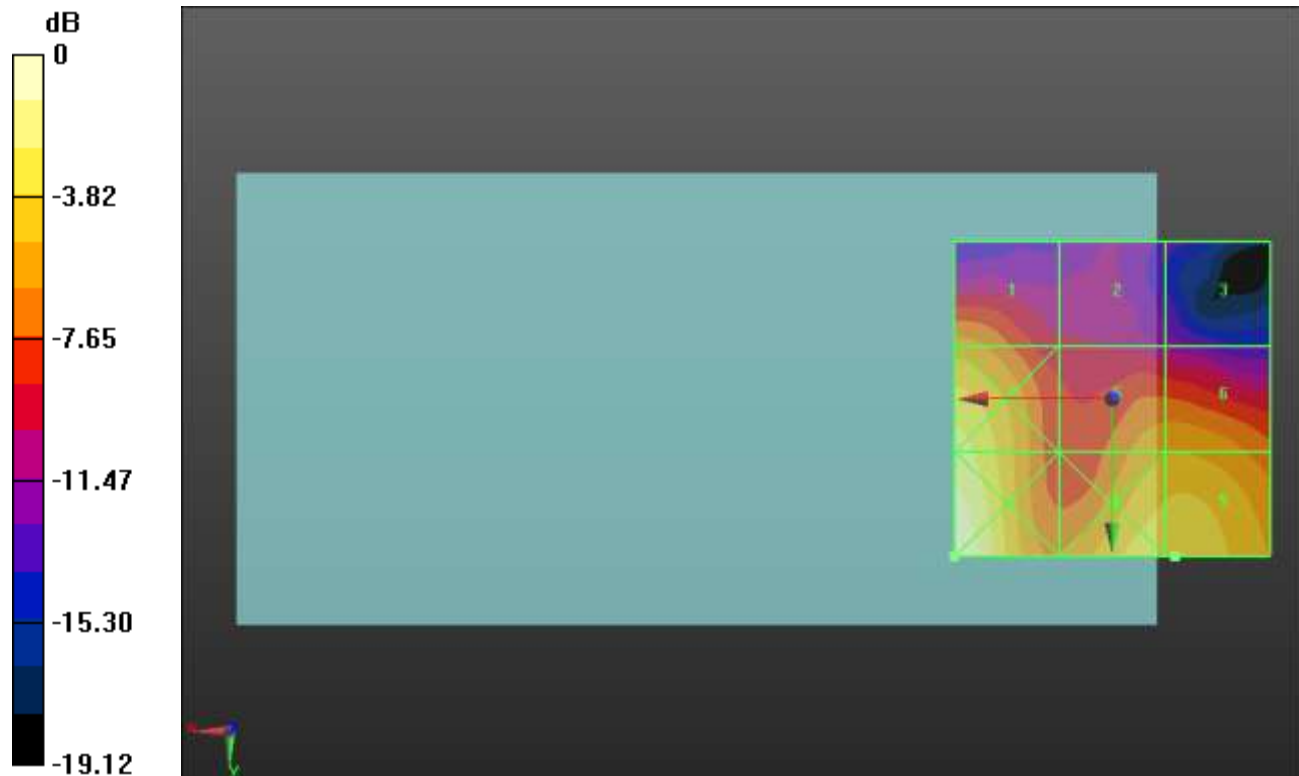
Applied MIF = -1.44 dB

RF audio interference level = 22.04 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 19.25 dBV/m	Grid 2 M4 15.14 dBV/m	Grid 3 M4 13.32 dBV/m
Grid 4 M4 23.11 dBV/m	Grid 5 M4 19.8 dBV/m	Grid 6 M4 19.93 dBV/m
Grid 7 M4 24.98 dBV/m	Grid 8 M4 22.02 dBV/m	Grid 9 M4 22.04 dBV/m



0 dB = 17.75 V/m = 24.98 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 = 8.958 V/m; Power Drift = -0.05 dB

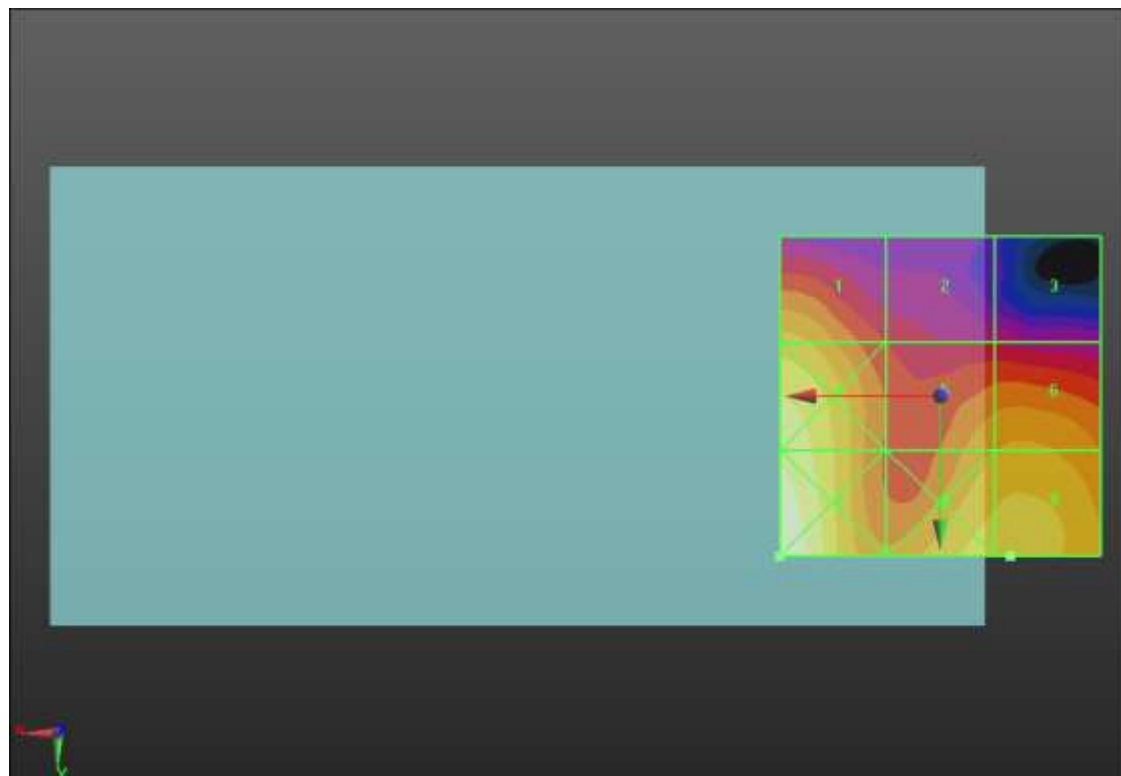
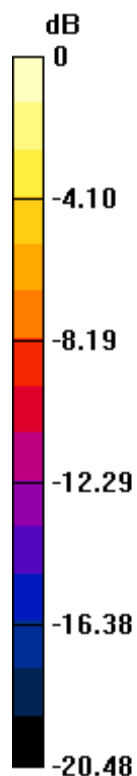
Applied MIF = -1.44 dB

RF audio interference level = 21.97 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 20.31 dBV/m	Grid 2 M4 15.73 dBV/m	Grid 3 M4 14.23 dBV/m
Grid 4 M4 23.66 dBV/m	Grid 5 M4 19.72 dBV/m	Grid 6 M4 20.1 dBV/m
Grid 7 M4 25.23 dBV/m	Grid 8 M4 21.87 dBV/m	Grid 9 M4 21.97 dBV/m



0 dB = 18.25 V/m = 25.23 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 = 9.075 V/m; Power Drift = 0.03 dB

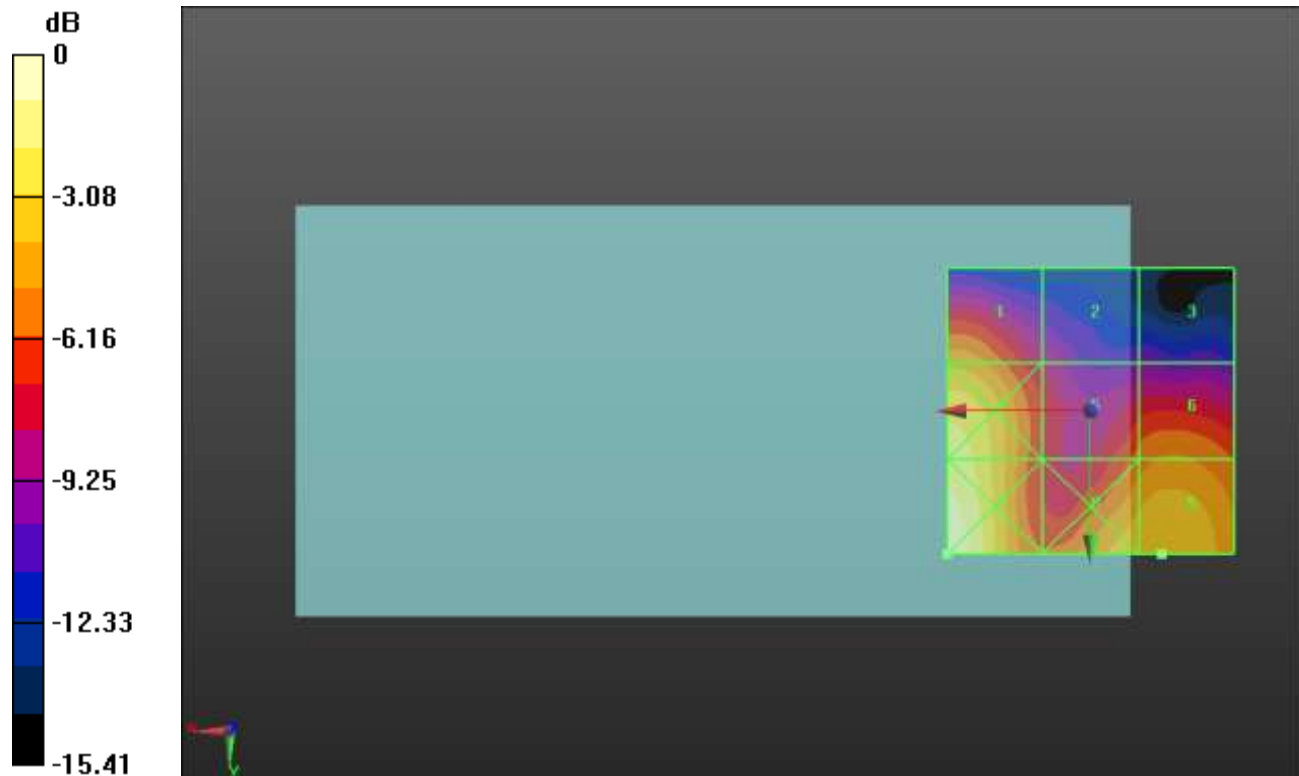
Applied MIF = -1.44 dB

RF audio interference level = 22.57 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 21.3 dBV/m	Grid 2 M4 17.29 dBV/m	Grid 3 M4 15.5 dBV/m
Grid 4 M4 24.28 dBV/m	Grid 5 M4 19.98 dBV/m	Grid 6 M4 20.69 dBV/m
Grid 7 M4 25.64 dBV/m	Grid 8 M4 22.37 dBV/m	Grid 9 M4 22.57 dBV/m



0 dB = 19.15 V/m = 25.64 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 = 9.255 V/m; Power Drift = -0.15 dB

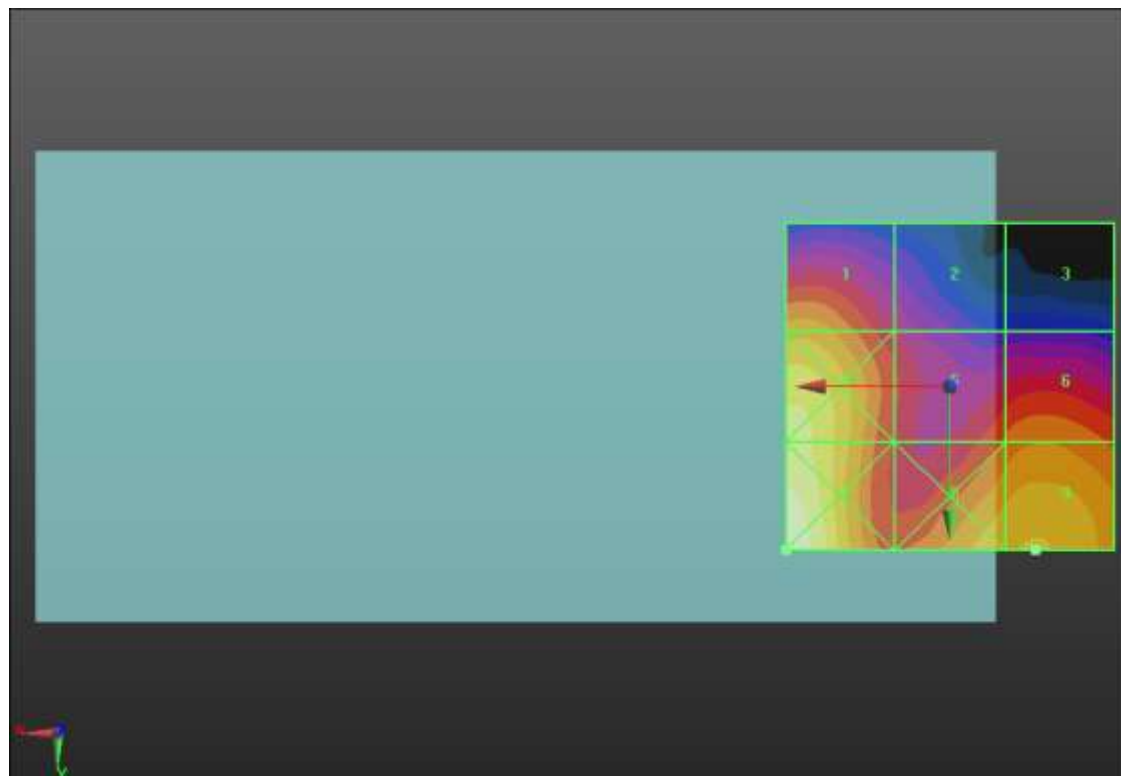
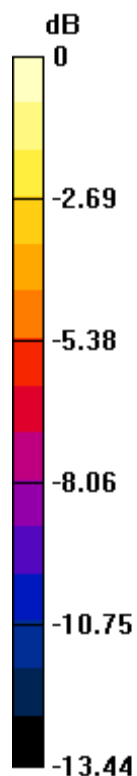
Applied MIF = -1.44 dB

RF audio interference level = 22.39 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 21.1 dBV/m	Grid 2 M4 17.91 dBV/m	Grid 3 M4 15.3 dBV/m
Grid 4 M4 23.69 dBV/m	Grid 5 M4 19.88 dBV/m	Grid 6 M4 20.52 dBV/m
Grid 7 M4 24.99 dBV/m	Grid 8 M4 22.19 dBV/m	Grid 9 M4 22.39 dBV/m



0 dB = 17.76 V/m = 24.99 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 = 9.597 V/m; Power Drift = -0.30 dB

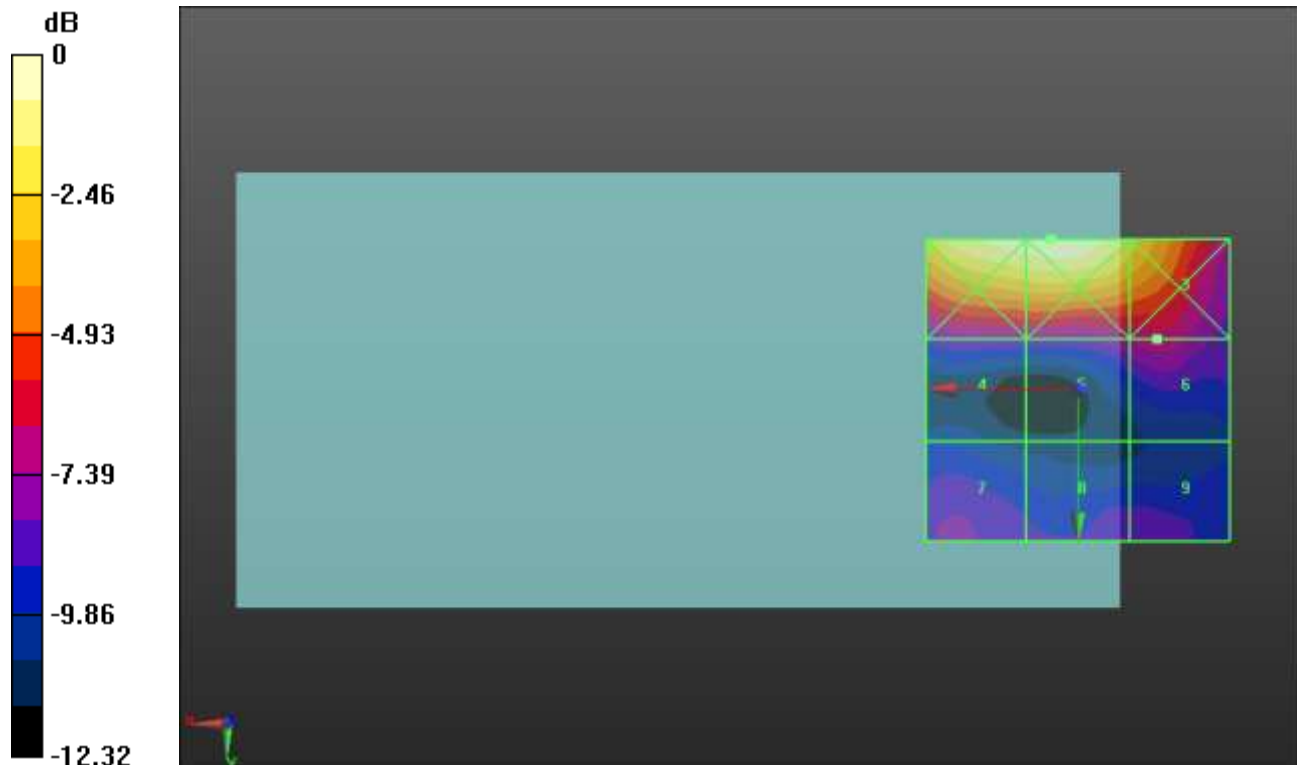
Applied MIF = -1.44 dB

RF audio interference level = 19.30 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 25.96 dBV/m	Grid 2 M4 26.14 dBV/m	Grid 3 M4 24.15 dBV/m
Grid 4 M4 18.33 dBV/m	Grid 5 M4 18.99 dBV/m	Grid 6 M4 19.3 dBV/m
Grid 7 M4 18.21 dBV/m	Grid 8 M4 17.87 dBV/m	Grid 9 M4 17.89 dBV/m



0 dB = 20.27 V/m = 26.14 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 = 9.936 V/m; Power Drift = -0.32 dB

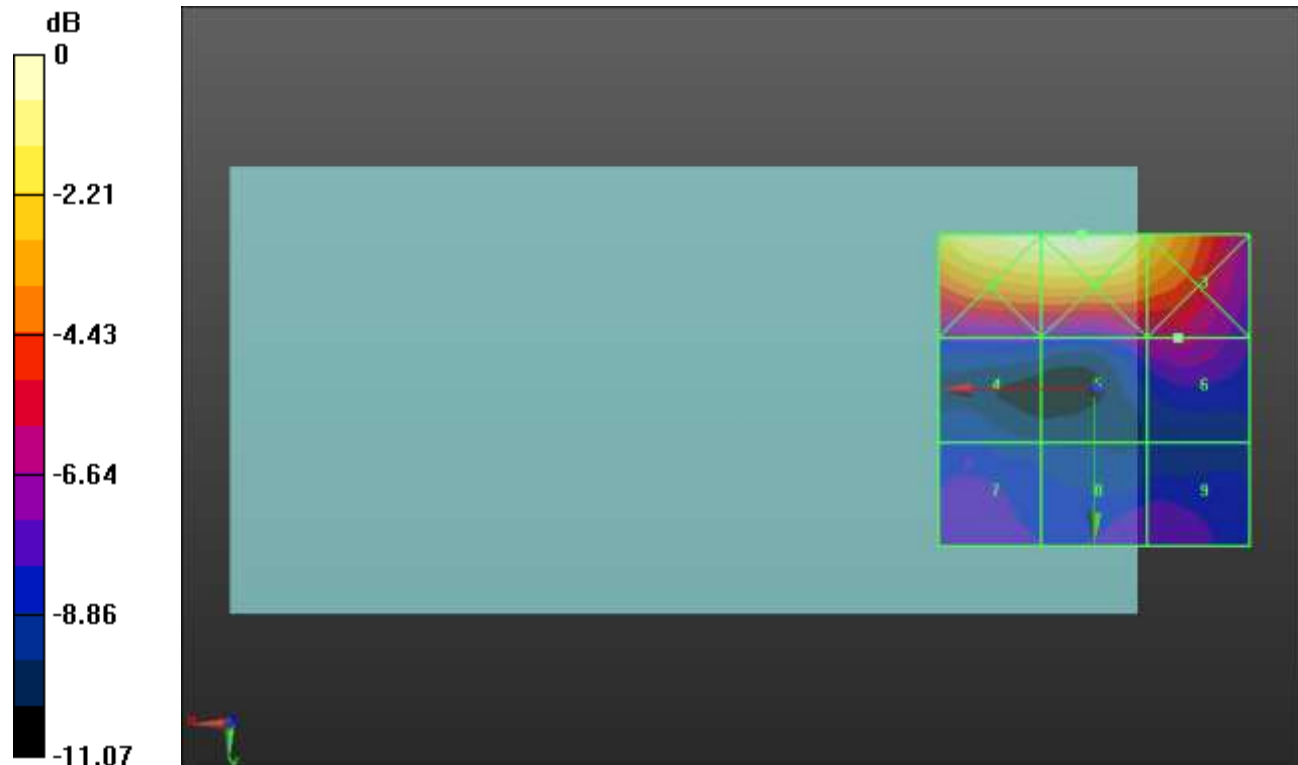
Applied MIF = -1.44 dB

RF audio interference level = 19.48 dBV/m

Emission category: **M4**

MIF scaled E-field

Grid 1 M4 25.6 dBV/m	Grid 2 M4 25.77 dBV/m	Grid 3 M4 24.07 dBV/m
Grid 4 M4 18.28 dBV/m	Grid 5 M4 19.07 dBV/m	Grid 6 M4 19.48 dBV/m
Grid 7 M4 18.27 dBV/m	Grid 8 M4 18.2 dBV/m	Grid 9 M4 18.22 dBV/m



0 dB = 19.43 V/m = 25.77 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 = 10.58 V/m; Power Drift = -0.25 dB

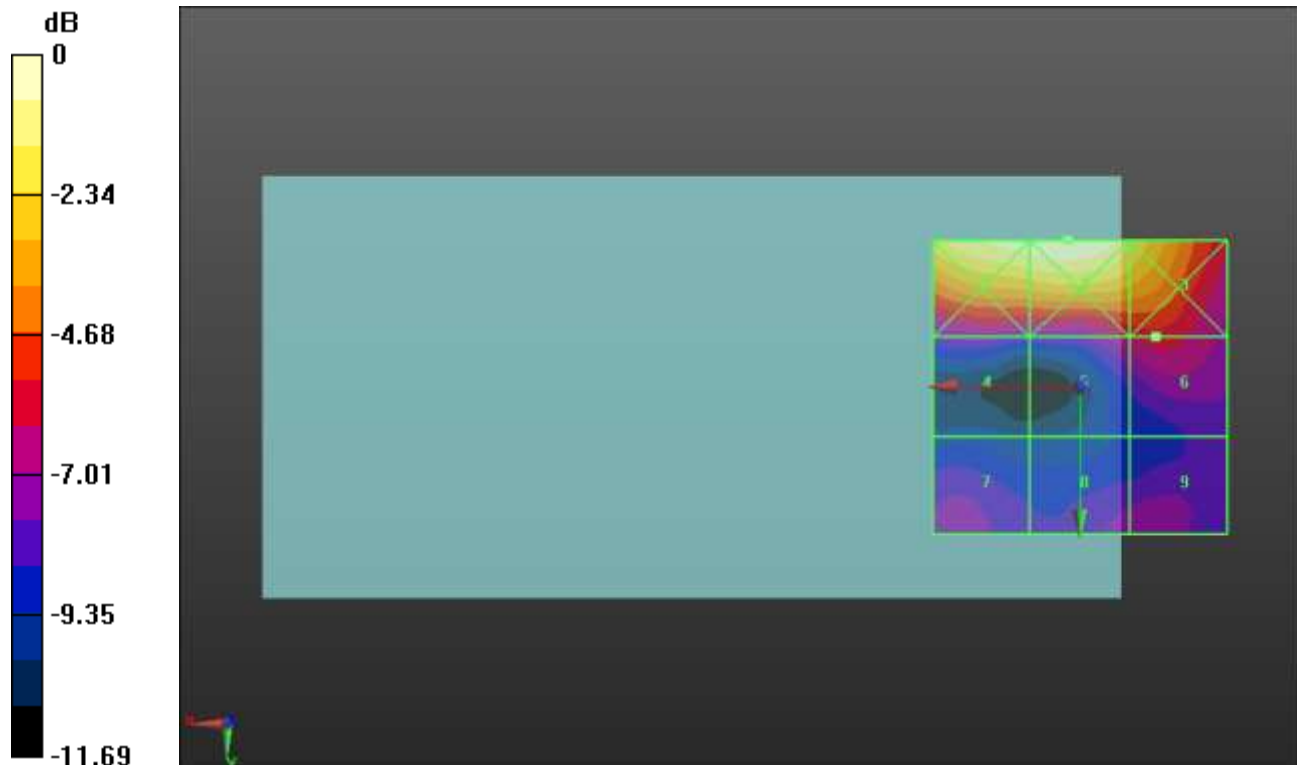
Applied MIF = -1.44 dB

RF audio interference level = 20.08 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 25.63 dBV/m	Grid 2 M4 25.85 dBV/m	Grid 3 M4 24.34 dBV/m
Grid 4 M4 18.45 dBV/m	Grid 5 M4 19.68 dBV/m	Grid 6 M4 20.08 dBV/m
Grid 7 M4 18.65 dBV/m	Grid 8 M4 18.35 dBV/m	Grid 9 M4 18.54 dBV/m



0 dB = 19.60 V/m = 25.85 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 = 10.88 V/m; Power Drift = -0.01 dB

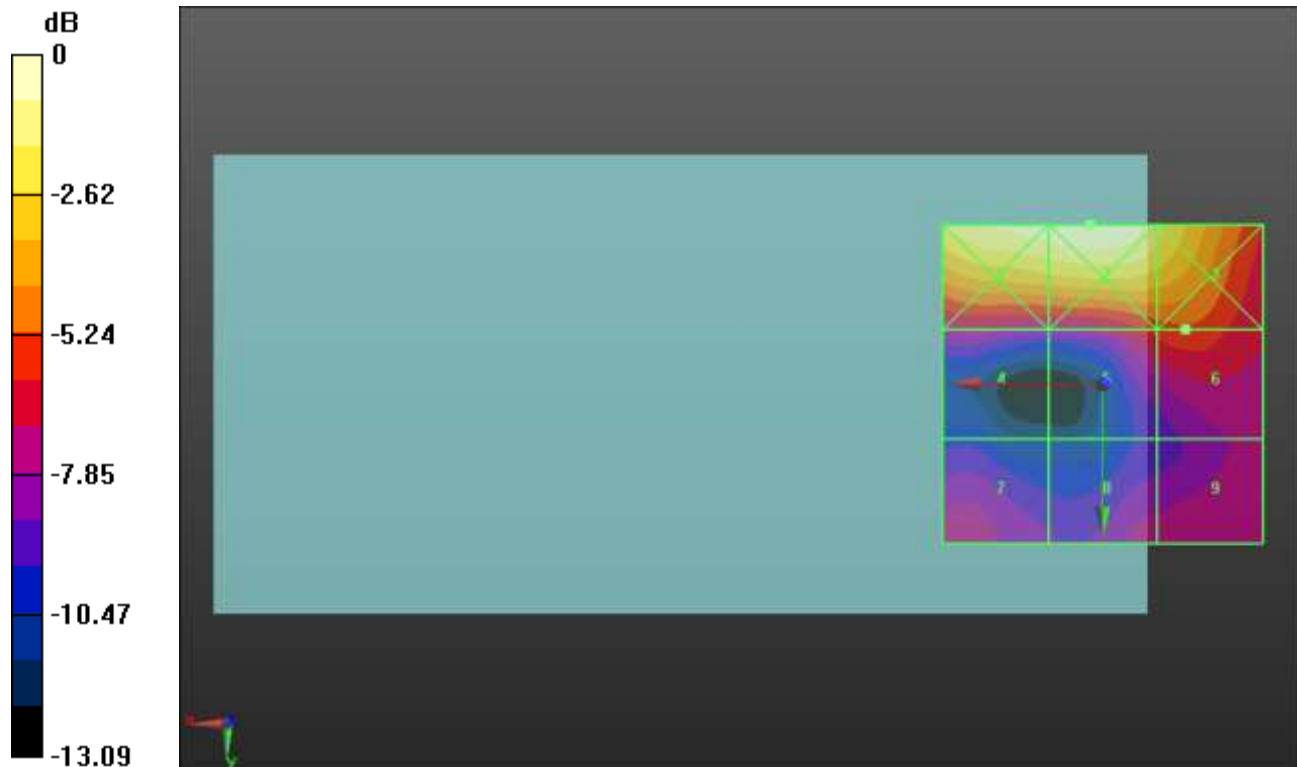
Applied MIF = -1.44 dB

RF audio interference level = 20.47 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 25.59 dBV/m	Grid 2 M4 25.86 dBV/m	Grid 3 M4 24.41 dBV/m
Grid 4 M4 18.52 dBV/m	Grid 5 M4 20.15 dBV/m	Grid 6 M4 20.47 dBV/m
Grid 7 M4 18.58 dBV/m	Grid 8 M4 18.58 dBV/m	Grid 9 M4 18.71 dBV/m



0 dB = 19.64 V/m = 25.86 dBV/m

HAC-RF Emission ANT9

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

Phantom section: RF Section

DASY5 Configuration:

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

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

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 4.644 V/m; Power Drift = -0.56 dB

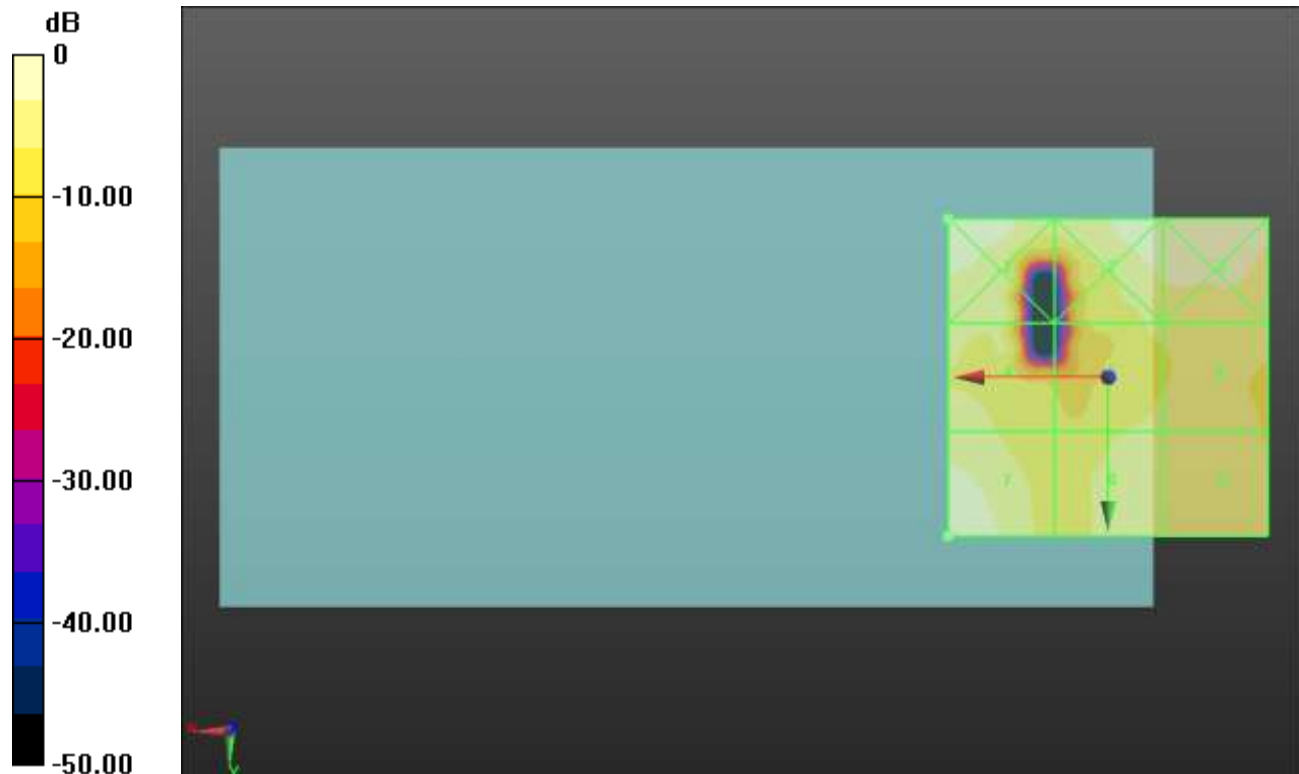
Applied MIF = -1.44 dB

RF audio interference level = 16.38 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 17.22 dBV/m	Grid 2 M4 15.97 dBV/m	Grid 3 M4 16.38 dBV/m
Grid 4 M4 12.38 dBV/m	Grid 5 M4 11.69 dBV/m	Grid 6 M4 12.7 dBV/m
Grid 7 M4 16.37 dBV/m	Grid 8 M4 13.49 dBV/m	Grid 9 M4 13.76 dBV/m



0 dB = 7.260 V/m = 17.22 dBV/m

HAC-RF Emission ANT9

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

Phantom section: RF Section

DASY5 Configuration:

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

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

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 4.059 V/m; Power Drift = -0.02 dB

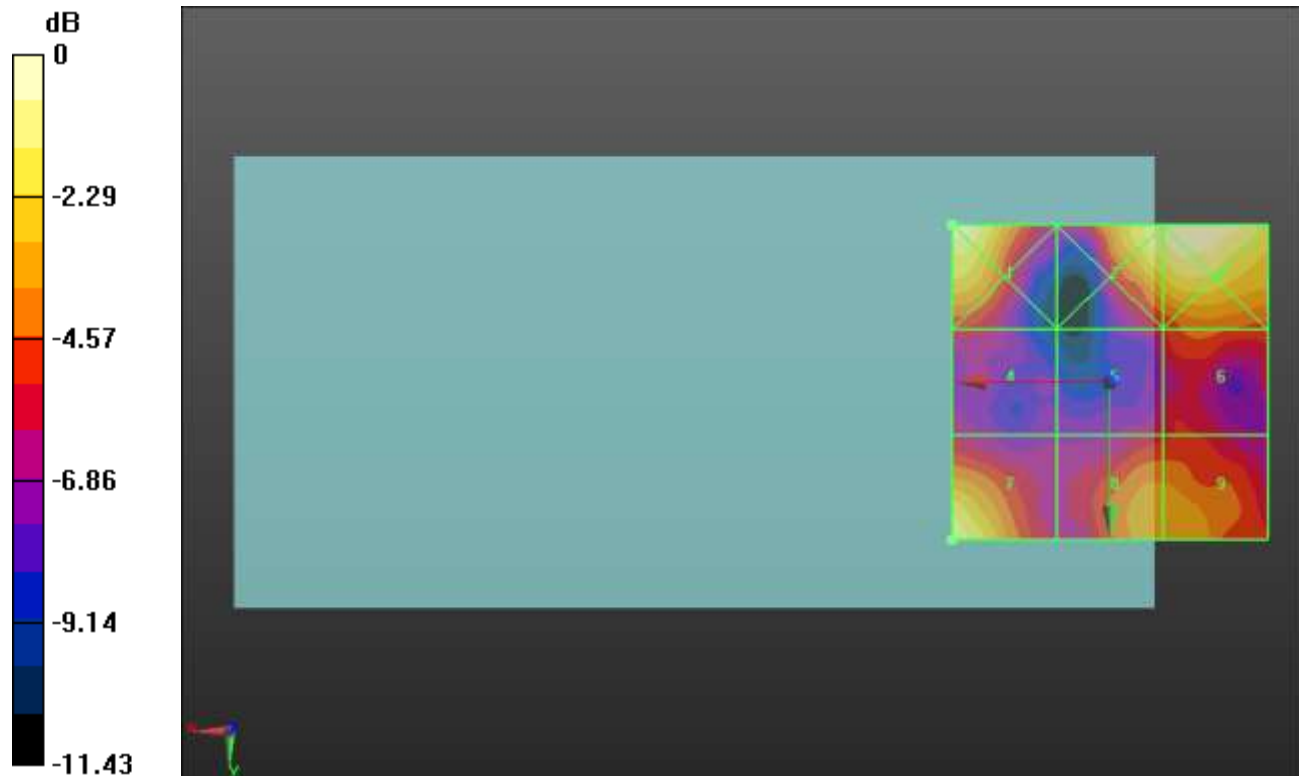
Applied MIF = -1.44 dB

RF audio interference level = 16.17 dBV/m

Emission category: **M4**

MIF scaled E-field

Grid 1 M4 17.14 dBV/m	Grid 2 M4 16.54 dBV/m	Grid 3 M4 16.99 dBV/m
Grid 4 M4 11.73 dBV/m	Grid 5 M4 11.79 dBV/m	Grid 6 M4 12.91 dBV/m
Grid 7 M4 16.17 dBV/m	Grid 8 M4 13.84 dBV/m	Grid 9 M4 13.81 dBV/m



0 dB = 7.193 V/m = 17.14 dBV/m

HAC-RF Emission ANT9

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

Phantom section: RF Section

DASY5 Configuration:

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

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

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 4.850 V/m; Power Drift = -0.52 dB

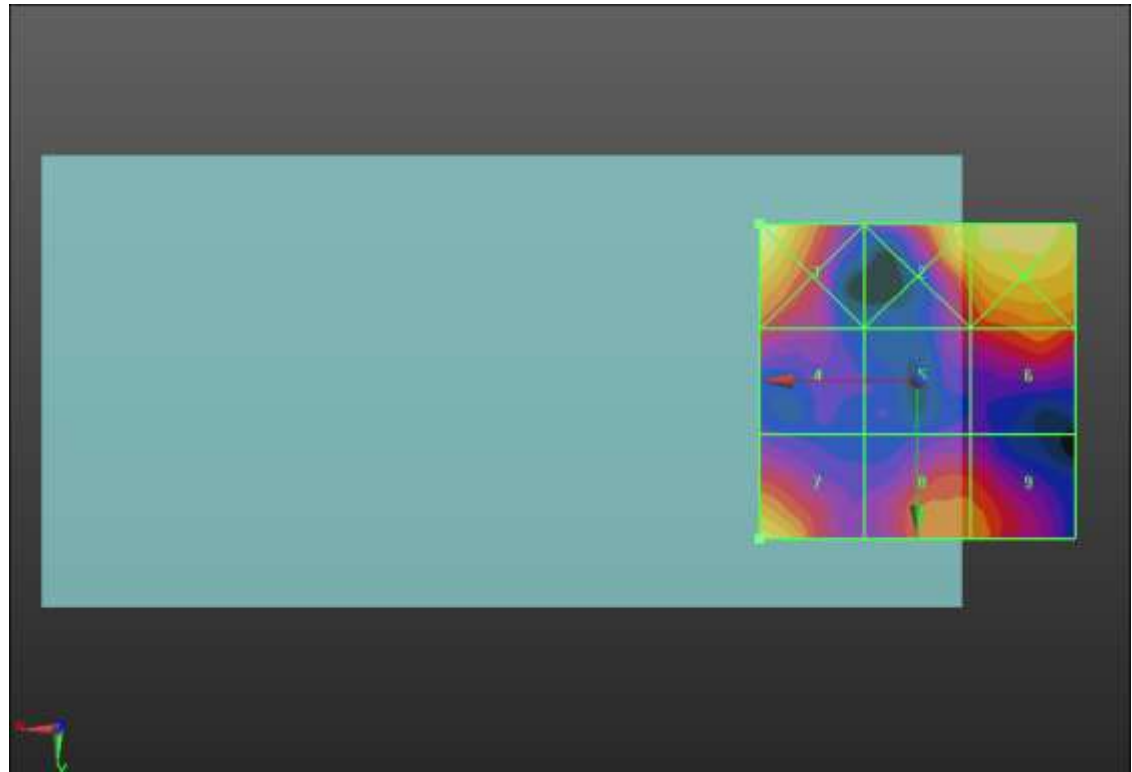
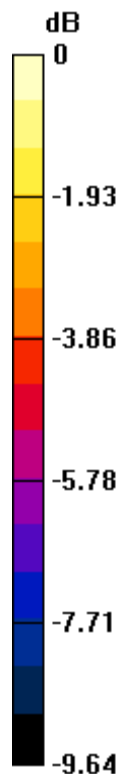
Applied MIF = -1.44 dB

RF audio interference level = 15.45 dBV/m

Emission category: **M4**

MIF scaled E-field

Grid 1 M4 17.05 dBV/m	Grid 2 M4 15.64 dBV/m	Grid 3 M4 16.28 dBV/m
Grid 4 M4 12.79 dBV/m	Grid 5 M4 12.21 dBV/m	Grid 6 M4 13.64 dBV/m
Grid 7 M4 15.45 dBV/m	Grid 8 M4 13.73 dBV/m	Grid 9 M4 13.73 dBV/m



0 dB = 7.117 V/m = 17.05 dBV/m

HAC-RF Emission ANT9

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

Phantom section: RF Section

DASY5 Configuration:

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

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

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 4.833 V/m; Power Drift = -0.76 dB

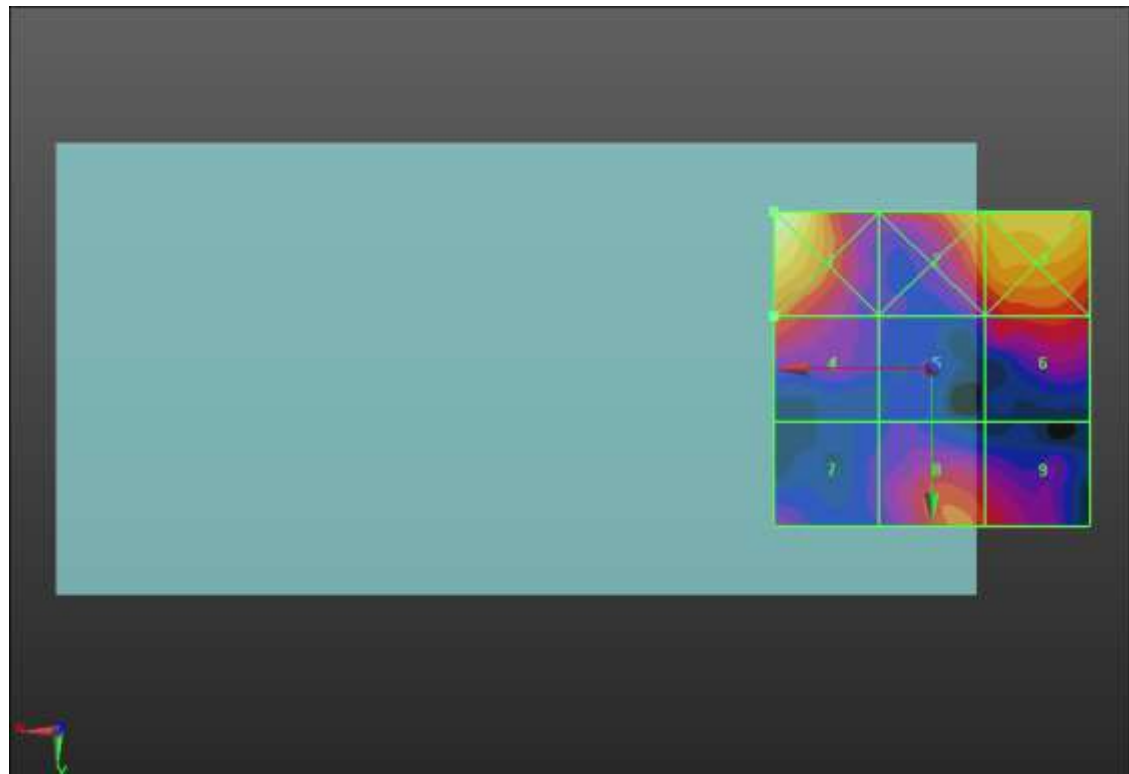
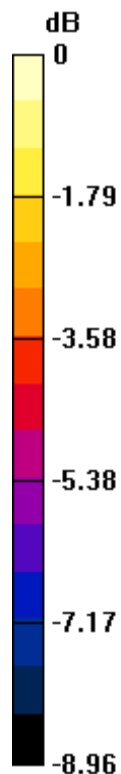
Applied MIF = -1.44 dB

RF audio interference level = 14.36 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 17.66 dBV/m	Grid 2 M4 15.84 dBV/m	Grid 3 M4 16.37 dBV/m
Grid 4 M4 14.36 dBV/m	Grid 5 M4 12.4 dBV/m	Grid 6 M4 13.83 dBV/m
Grid 7 M4 12.51 dBV/m	Grid 8 M4 14.25 dBV/m	Grid 9 M4 13.55 dBV/m



0 dB = 7.635 V/m = 17.66 dBV/m