

HAC-RF Emission ANT1

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

Phantom section: RF Section

DASY5 Configuration:

- Probe: EF3DV3 - SN4028; ConvF(1, 1, 1) @ 824.2 MHz; Calibrated: 8/13/2021
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1434; Calibrated: 11/11/2021
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7495)

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 = 29.70 V/m; Power Drift = -0.07 dB

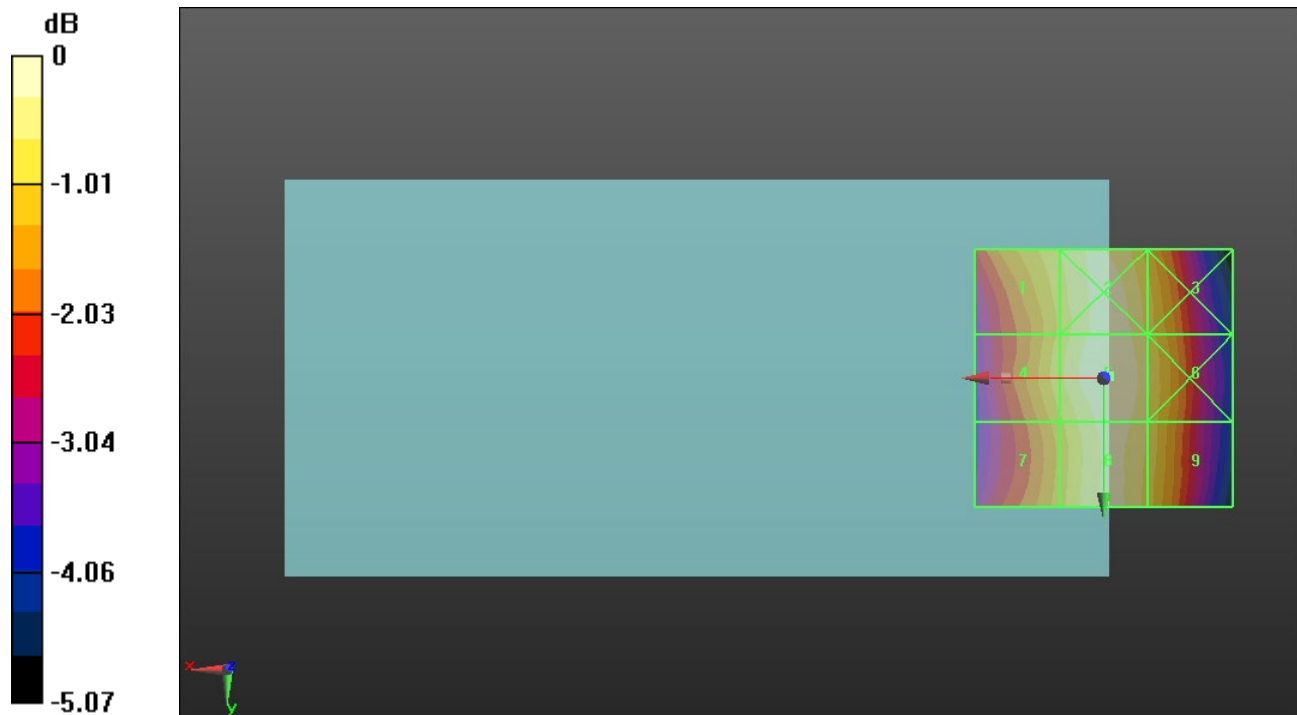
Applied MIF = 3.63 dB

RF audio interference level = 30.34 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 29.68 dBV/m	Grid 2 M4 30.19 dBV/m	Grid 3 M4 29.6 dBV/m
Grid 4 M4 29.58 dBV/m	Grid 5 M4 30.34 dBV/m	Grid 6 M4 29.75 dBV/m
Grid 7 M4 29.24 dBV/m	Grid 8 M4 30.13 dBV/m	Grid 9 M4 29.66 dBV/m



0 dB = 32.90 V/m = 30.34 dBV/m

HAC-RF Emission ANT1

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

Phantom section: RF Section

DASY5 Configuration:

- Probe: EF3DV3 - SN4028; ConvF(1, 1, 1) @ 836.6 MHz; Calibrated: 8/13/2021
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1434; Calibrated: 11/11/2021
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7495)

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 = 31.02 V/m; Power Drift = -0.00 dB

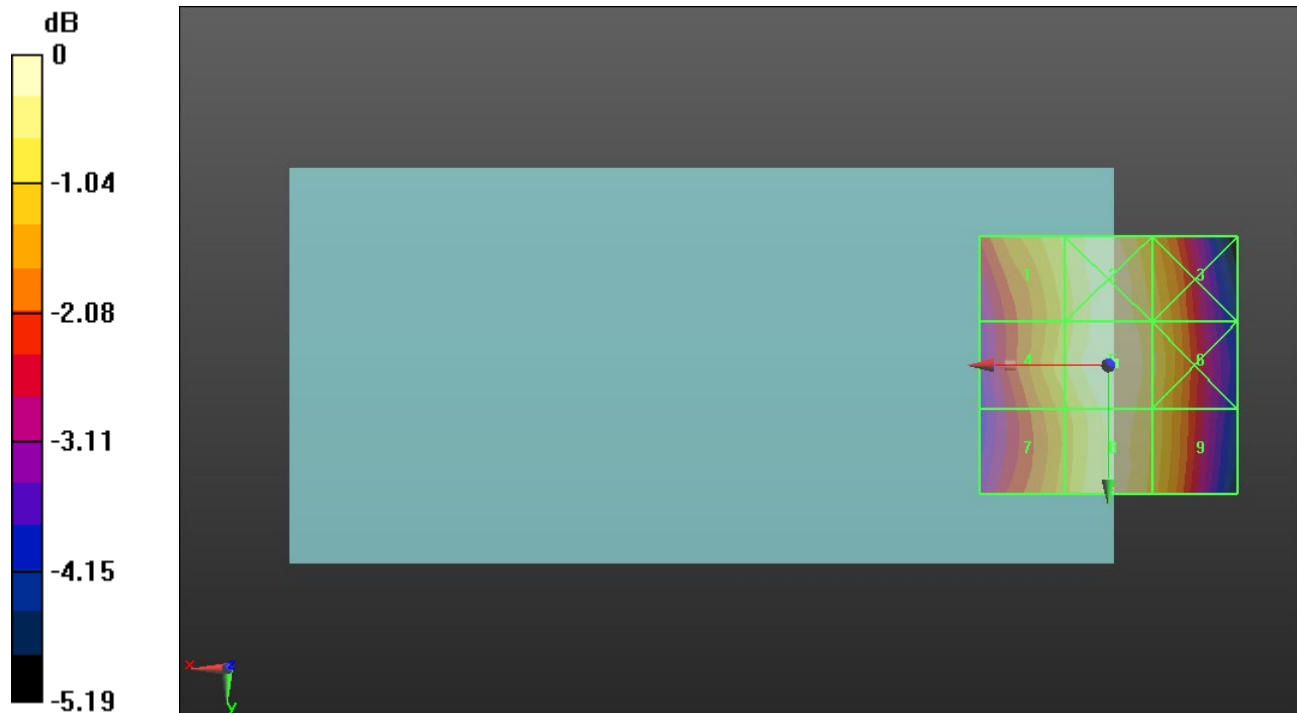
Applied MIF = 3.63 dB

RF audio interference level = 30.76 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 30.14 dBV/m	Grid 2 M4 30.6 dBV/m	Grid 3 M4 30.05 dBV/m
Grid 4 M4 30.01 dBV/m	Grid 5 M4 30.76 dBV/m	Grid 6 M4 30.19 dBV/m
Grid 7 M4 29.6 dBV/m	Grid 8 M4 30.55 dBV/m	Grid 9 M4 30.05 dBV/m



0 dB = 34.50 V/m = 30.76 dBV/m

HAC-RF Emission ANT1

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

Phantom section: RF Section

DASY5 Configuration:

- Probe: EF3DV3 - SN4028; ConvF(1, 1, 1) @ 848.6 MHz; Calibrated: 8/13/2021
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1434; Calibrated: 11/11/2021
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7495)

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 = 33.58 V/m; Power Drift = -0.01 dB

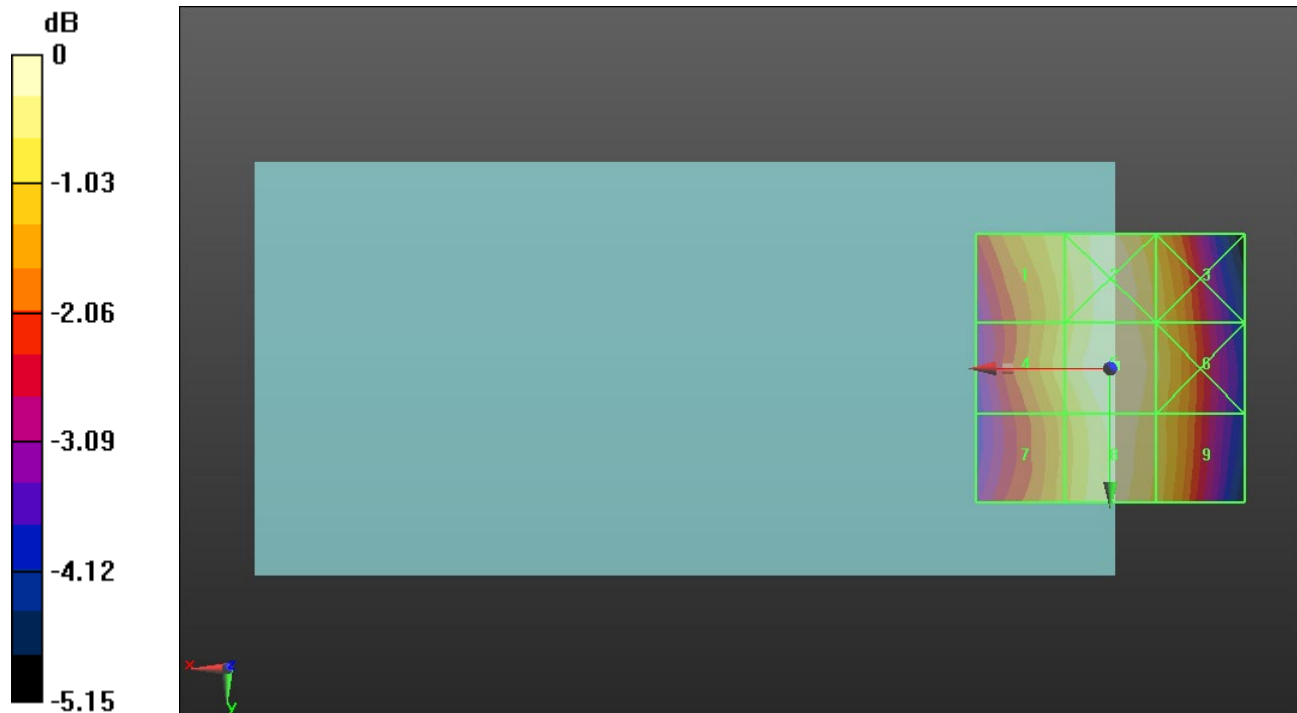
Applied MIF = 3.63 dB

RF audio interference level = 31.42 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 30.71 dBV/m	Grid 2 M4 31.27 dBV/m	Grid 3 M4 30.71 dBV/m
Grid 4 M4 30.69 dBV/m	Grid 5 M4 31.42 dBV/m	Grid 6 M4 30.84 dBV/m
Grid 7 M4 30.29 dBV/m	Grid 8 M4 31.22 dBV/m	Grid 9 M4 30.72 dBV/m



0 dB = 37.24 V/m = 31.42 dBV/m

HAC-RF Emission ANT1

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

Phantom section: RF Section

DASY5 Configuration:

- Probe: EF3DV3 - SN4028; ConvF(1, 1, 1) @ 1850.2 MHz; Calibrated: 8/13/2021
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1434; Calibrated: 11/11/2021
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7495)

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 = 16.65 V/m; Power Drift = -0.07 dB

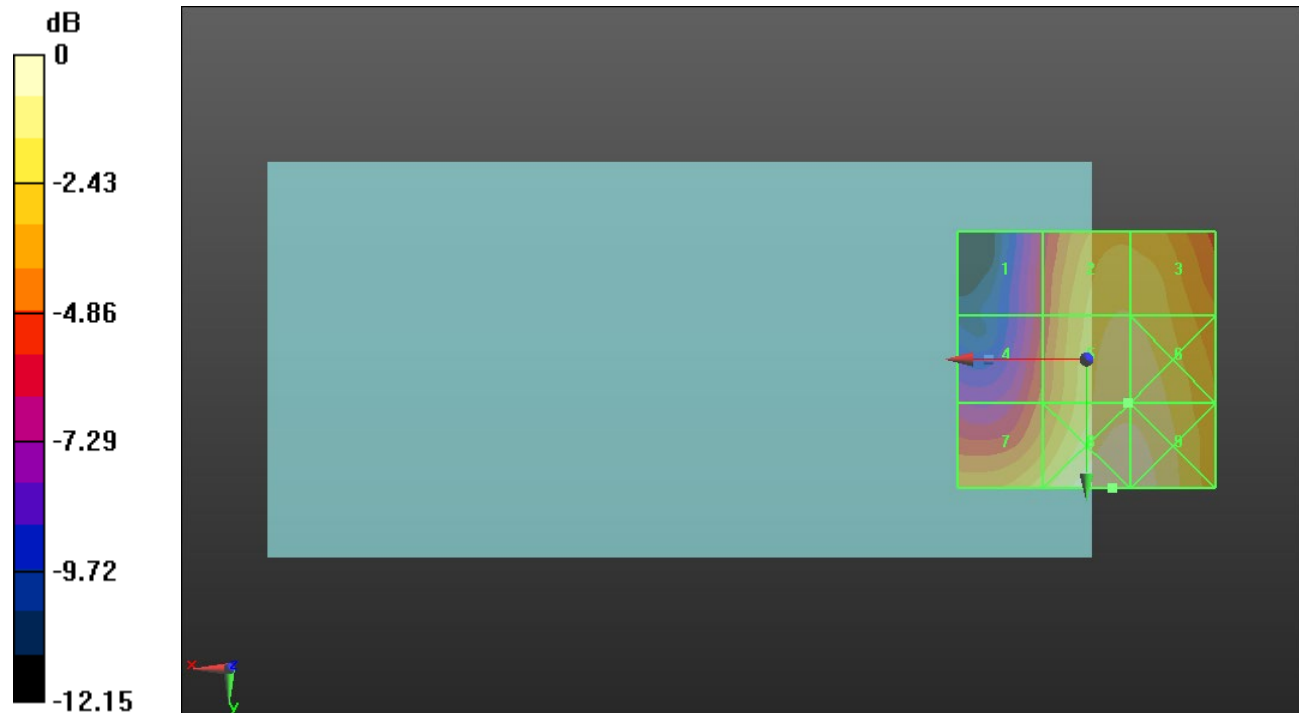
Applied MIF = 3.63 dB

RF audio interference level = 26.45 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 21.81 dBV/m	Grid 2 M4 25.87 dBV/m	Grid 3 M4 25.84 dBV/m
Grid 4 M4 22.98 dBV/m	Grid 5 M4 26.45 dBV/m	Grid 6 M4 26.45 dBV/m
Grid 7 M4 25.55 dBV/m	Grid 8 M4 27.42 dBV/m	Grid 9 M4 27.3 dBV/m



0 dB = 23.51 V/m = 27.43 dBV/m

HAC-RF Emission ANT1

Communication System: UID 10021 - DAC, GSM-FDD (TDMA, GMSK); Frequency: 1880 MHz; Duty Cycle: 1:8.6896
Phantom section: RF Section

DASY5 Configuration:

- Probe: EF3DV3 - SN4028; ConvF(1, 1, 1) @ 1880 MHz; Calibrated: 8/13/2021
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1434; Calibrated: 11/11/2021
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7495)

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 = 16.75 V/m; Power Drift = 0.01 dB

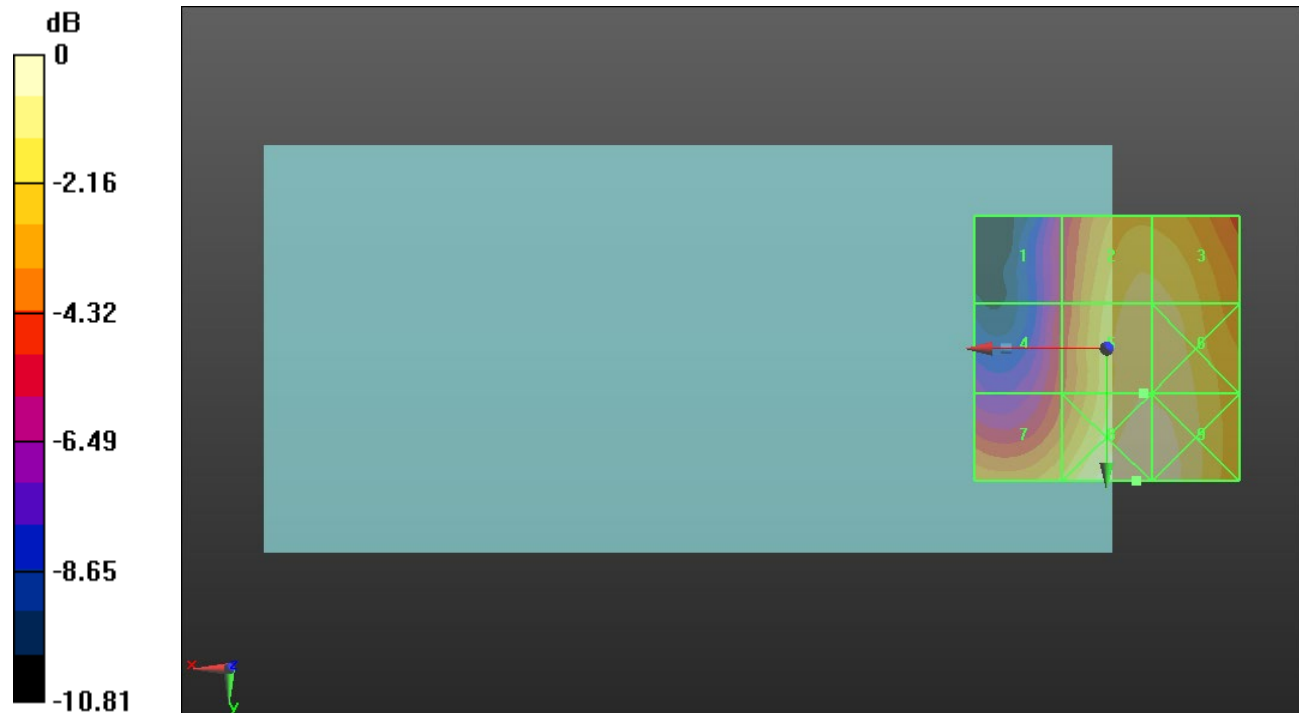
Applied MIF = 3.63 dB

RF audio interference level = 26.50 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 21.91 dBV/m	Grid 2 M4 26.09 dBV/m	Grid 3 M4 26.05 dBV/m
Grid 4 M4 22.73 dBV/m	Grid 5 M4 26.5 dBV/m	Grid 6 M4 26.48 dBV/m
Grid 7 M4 25.27 dBV/m	Grid 8 M4 27.22 dBV/m	Grid 9 M4 27.13 dBV/m



0 dB = 22.96 V/m = 27.22 dBV/m

HAC-RF Emission ANT1

Communication System: UID 10021 - DAC, GSM-FDD (TDMA, GMSK); Frequency: 1909.8 MHz; Duty Cycle: 1:8.6896
Phantom section: RF Section

DASY5 Configuration:

- Probe: EF3DV3 - SN4028; ConvF(1, 1, 1) @ 1909.8 MHz; Calibrated: 8/13/2021
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1434; Calibrated: 11/11/2021
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7495)

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 = 16.37 V/m; Power Drift = 0.05 dB

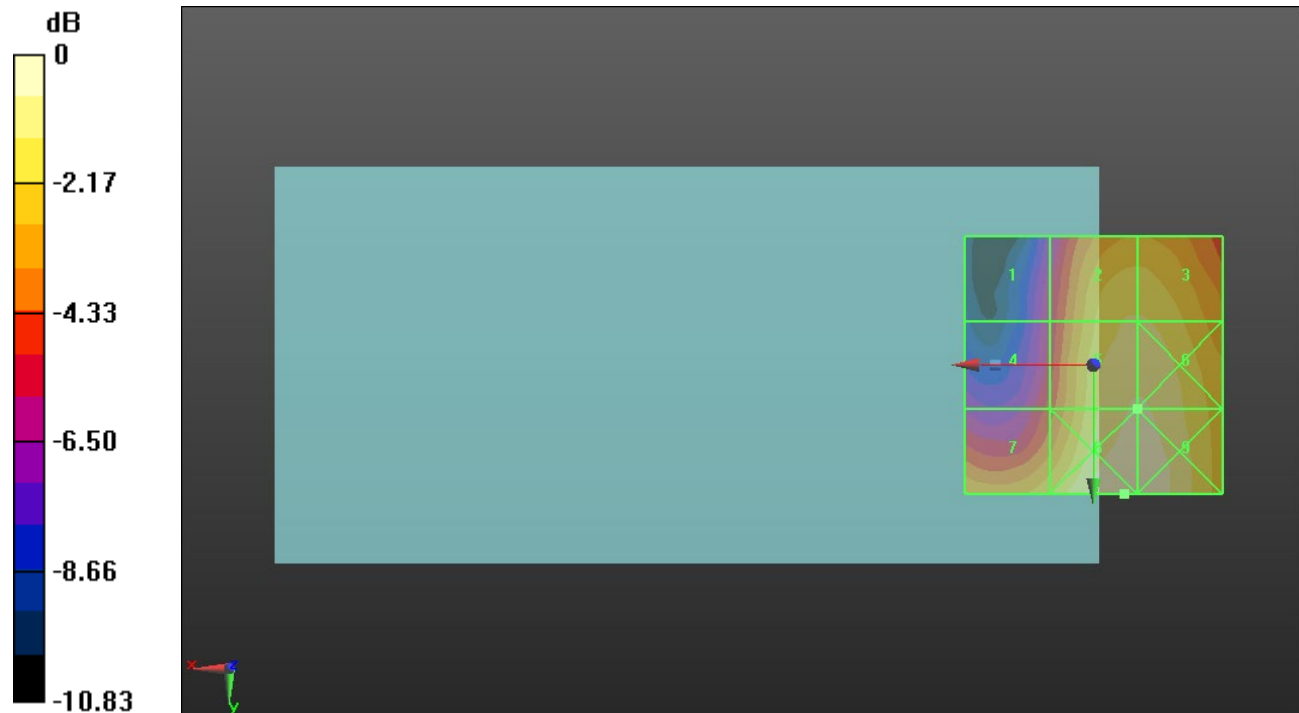
Applied MIF = 3.63 dB

RF audio interference level = 26.63 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 21.68 dBV/m	Grid 2 M4 25.95 dBV/m	Grid 3 M4 25.95 dBV/m
Grid 4 M4 22.64 dBV/m	Grid 5 M4 26.63 dBV/m	Grid 6 M4 26.63 dBV/m
Grid 7 M4 25.13 dBV/m	Grid 8 M4 27.31 dBV/m	Grid 9 M4 27.22 dBV/m



0 dB = 23.21 V/m = 27.31 dBV/m

HAC-RF Emission ANT1

Frequency: 2506 MHz; Duty Cycle: 1:8.87156; Room Ambient Temperature: 24.0°C; Liquid Temperature: 23.0°C

Medium parameters used: $\sigma = 0$ S/m, $\epsilon_r = 1$; $\rho = 0$ kg/m³

Dasy Configuration:

- Area Scan Setting: Find Secondary Maximum within 2.0 dB and with a peak SAR value greater than 0.0012 W/kg
- Electronics: DAE4 Sn1434; Calibrated: 11/11/2021
- Probe: EF3DV3 - SN4028; ConvF(1, 1, 1) @ 2506 MHz; Calibrated: 8/13/2021
- Sensor-Surface: (Fix Surface)
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB; Serial: 1155

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 = 7.102 V/m; Power Drift = -0.03 dB

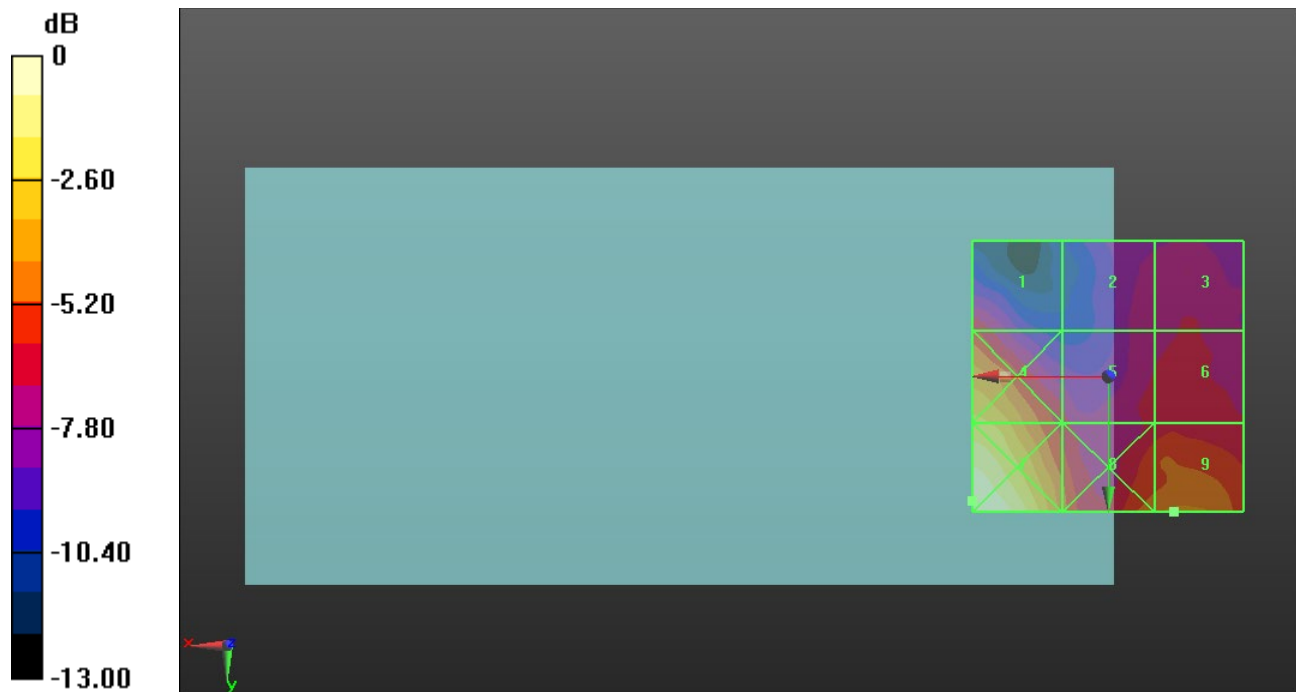
Applied MIF = -1.44 dB

RF audio interference level = 19.46 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 17.72 dBV/m	Grid 2 M4 16.37 dBV/m	Grid 3 M4 16.82 dBV/m
Grid 4 M4 21.25 dBV/m	Grid 5 M4 17.14 dBV/m	Grid 6 M4 17.46 dBV/m
Grid 7 M4 23.6 dBV/m	Grid 8 M4 19.12 dBV/m	Grid 9 M4 19.46 dBV/m



0 dB = 15.13 V/m = 23.60 dBV/m

HAC-RF Emission ANT1

Frequency: 2549.5 MHz; Duty Cycle: 1:8.87156; Room Ambient Temperature: 24.0°C; Liquid Temperature: 23.0°C
Medium parameters used: $\sigma = 0$ S/m, $\epsilon_r = 1$; $\rho = 0$ kg/m³

Dasy Configuration:

- Area Scan Setting: Find Secondary Maximum within 2.0 dB and with a peak SAR value greater than 0.0012 W/kg
- Electronics: DAE4 Sn1434; Calibrated: 11/11/2021
- Probe: EF3DV3 - SN4028; ConvF(1, 1, 1) @ 2549.5 MHz; Calibrated: 8/13/2021
- Sensor-Surface: (Fix Surface)
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB; Serial: 1155

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 = 8.594 V/m; Power Drift = -0.00 dB

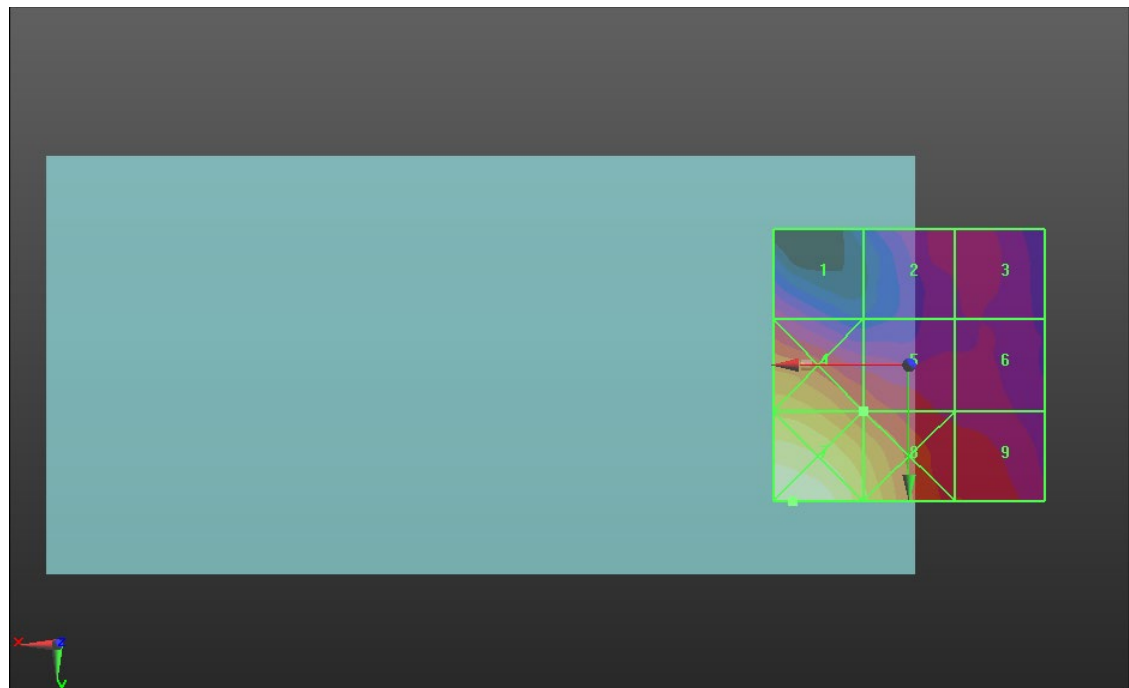
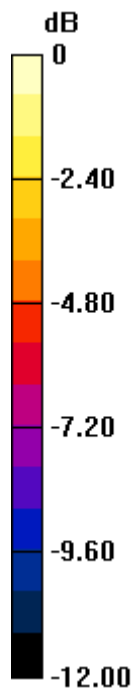
Applied MIF = -1.44 dB

RF audio interference level = 18.92 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 17.21 dBV/m	Grid 2 M4 16.94 dBV/m	Grid 3 M4 16.97 dBV/m
Grid 4 M4 21.01 dBV/m	Grid 5 M4 18.92 dBV/m	Grid 6 M4 17.09 dBV/m
Grid 7 M4 23.62 dBV/m	Grid 8 M4 21.53 dBV/m	Grid 9 M4 18.06 dBV/m



0 dB = 15.16 V/m = 23.61 dBV/m

HAC-RF Emission ANT1

Frequency: 2593 MHz; Duty Cycle: 1:8.87156; Room Ambient Temperature: 24.0°C; Liquid Temperature: 23.0°C

Medium parameters used: $\sigma = 0$ S/m, $\epsilon_r = 1$; $\rho = 0$ kg/m³

Dasy Configuration:

- Area Scan Setting: Find Secondary Maximum within 2.0 dB and with a peak SAR value greater than 0.0012 W/kg
- Electronics: DAE4 Sn1434; Calibrated: 11/11/2021
- Probe: EF3DV3 - SN4028; ConvF(1, 1, 1) @ 2593 MHz; Calibrated: 8/13/2021
- Sensor-Surface: (Fix Surface)
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB; Serial: 1155

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 = 15.64 V/m; Power Drift = -0.11 dB

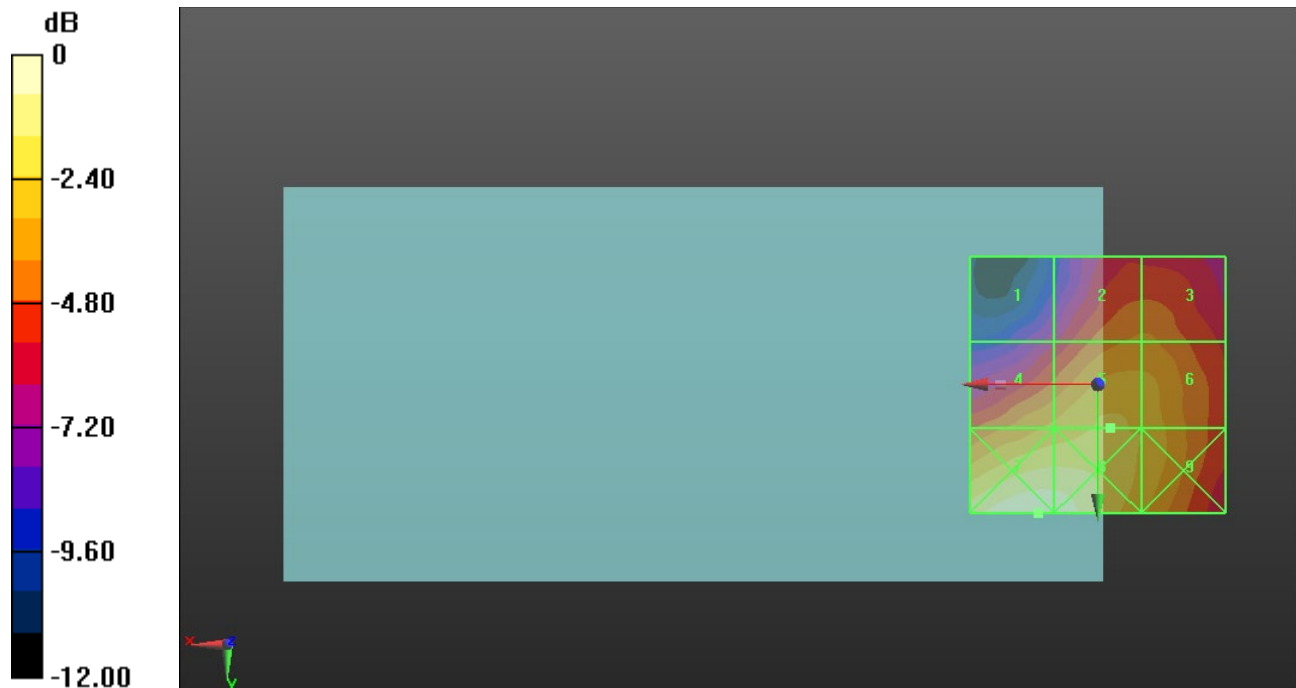
Applied MIF = -1.44 dB

RF audio interference level = 20.92 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 16.67 dBV/m	Grid 2 M4 19.39 dBV/m	Grid 3 M4 19.4 dBV/m
Grid 4 M4 20.29 dBV/m	Grid 5 M4 20.92 dBV/m	Grid 6 M4 20.76 dBV/m
Grid 7 M4 23.22 dBV/m	Grid 8 M4 23.09 dBV/m	Grid 9 M4 20.83 dBV/m



0 dB = 14.49 V/m = 23.22 dBV/m

HAC-RF Emission ANT1

Frequency: 2636.5 MHz; Duty Cycle: 1:8.87156; Room Ambient Temperature: 24.0°C; Liquid Temperature: 23.0°C
Medium parameters used: $\sigma = 0$ S/m, $\epsilon_r = 1$; $\rho = 0$ kg/m³

Dasy Configuration:

- Area Scan Setting: Find Secondary Maximum within 2.0 dB and with a peak SAR value greater than 0.0012 W/kg
- Electronics: DAE4 Sn1434; Calibrated: 11/11/2021
- Probe: EF3DV3 - SN4028; ConvF(1, 1, 1) @ 2636.5 MHz; Calibrated: 8/13/2021
- Sensor-Surface: (Fix Surface)
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB; Serial: 1155

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 = 15.59 V/m; Power Drift = -0.18 dB

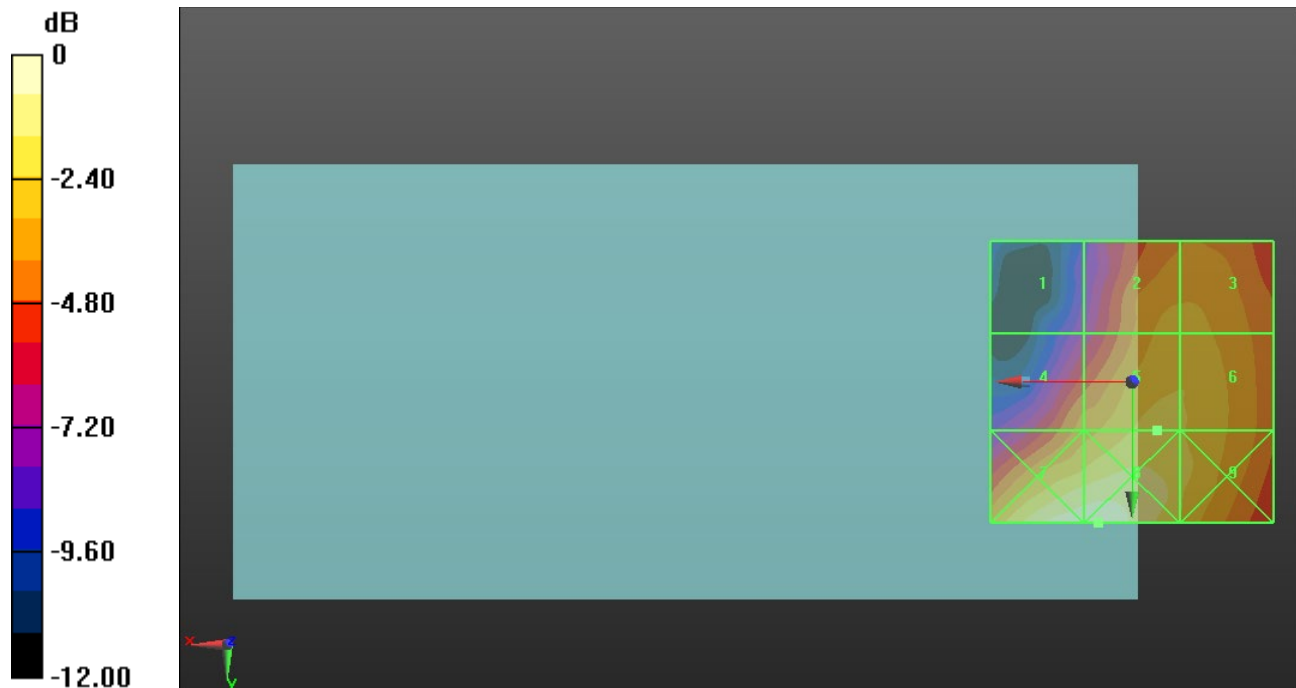
Applied MIF = -1.44 dB

RF audio interference level = 20.67 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 15.83 dBV/m	Grid 2 M4 19.98 dBV/m	Grid 3 M4 19.97 dBV/m
Grid 4 M4 19.29 dBV/m	Grid 5 M4 20.67 dBV/m	Grid 6 M4 20.53 dBV/m
Grid 7 M4 22.63 dBV/m	Grid 8 M4 22.86 dBV/m	Grid 9 M4 20.77 dBV/m



0 dB = 13.89 V/m = 22.85 dBV/m

HAC-RF Emission ANT1

Frequency: 2680 MHz; Duty Cycle: 1:8.87156; Room Ambient Temperature: 24.0°C; Liquid Temperature: 23.0°C

Medium parameters used: $\sigma = 0$ S/m, $\epsilon_r = 1$; $\rho = 0$ kg/m³

Dasy Configuration:

- Area Scan Setting: Find Secondary Maximum within 2.0 dB and with a peak SAR value greater than 0.0012 W/kg
- Electronics: DAE4 Sn1434; Calibrated: 11/11/2021
- Probe: EF3DV3 - SN4028; ConvF(1, 1, 1) @ 2680 MHz; Calibrated: 8/13/2021
- Sensor-Surface: (Fix Surface)
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB; Serial: 1155

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 = 12.28 V/m; Power Drift = 0.03 dB

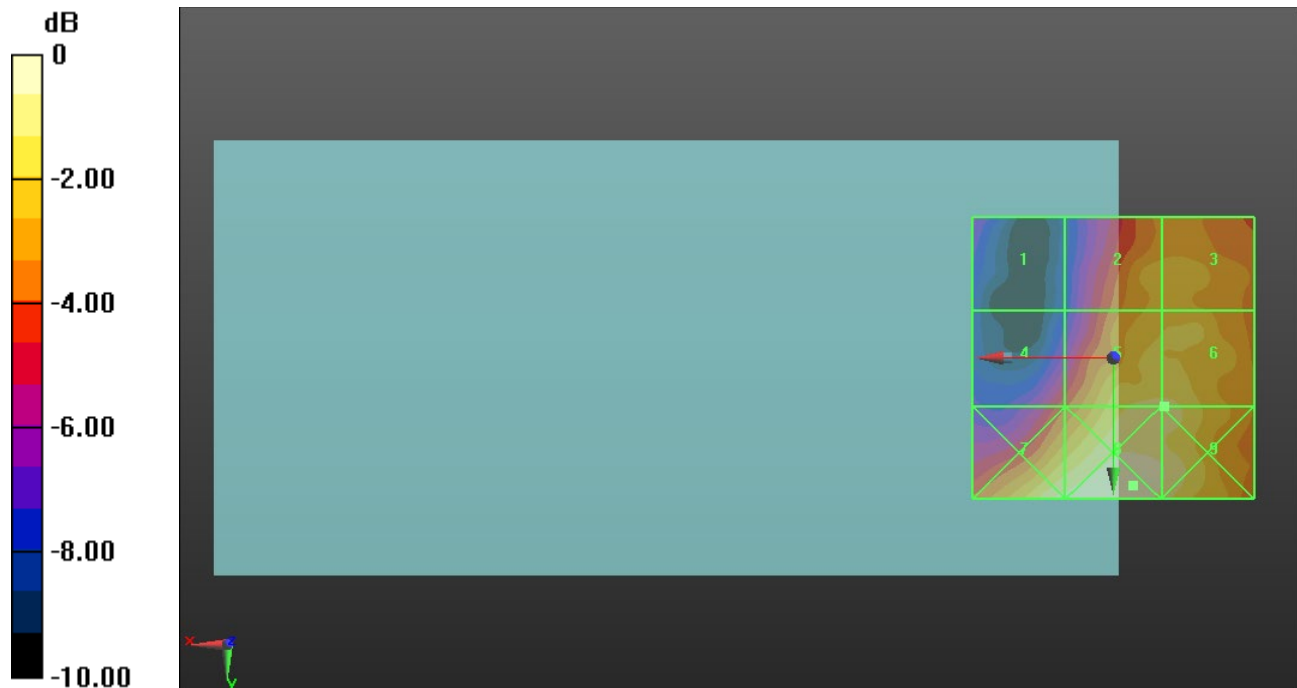
Applied MIF = -1.44 dB

RF audio interference level = 20.10 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 14.91 dBV/m	Grid 2 M4 18.86 dBV/m	Grid 3 M4 18.97 dBV/m
Grid 4 M4 17.01 dBV/m	Grid 5 M4 20.1 dBV/m	Grid 6 M4 20.1 dBV/m
Grid 7 M4 20.81 dBV/m	Grid 8 M4 21.13 dBV/m	Grid 9 M4 20.56 dBV/m



0 dB = 11.39 V/m = 21.13 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 - SN4028; ConvF(1, 1, 1) @ 2506 MHz; Calibrated: 8/13/2021
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1434; Calibrated: 11/11/2021
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7495)

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 = 8.062 V/m; Power Drift = 0.14 dB

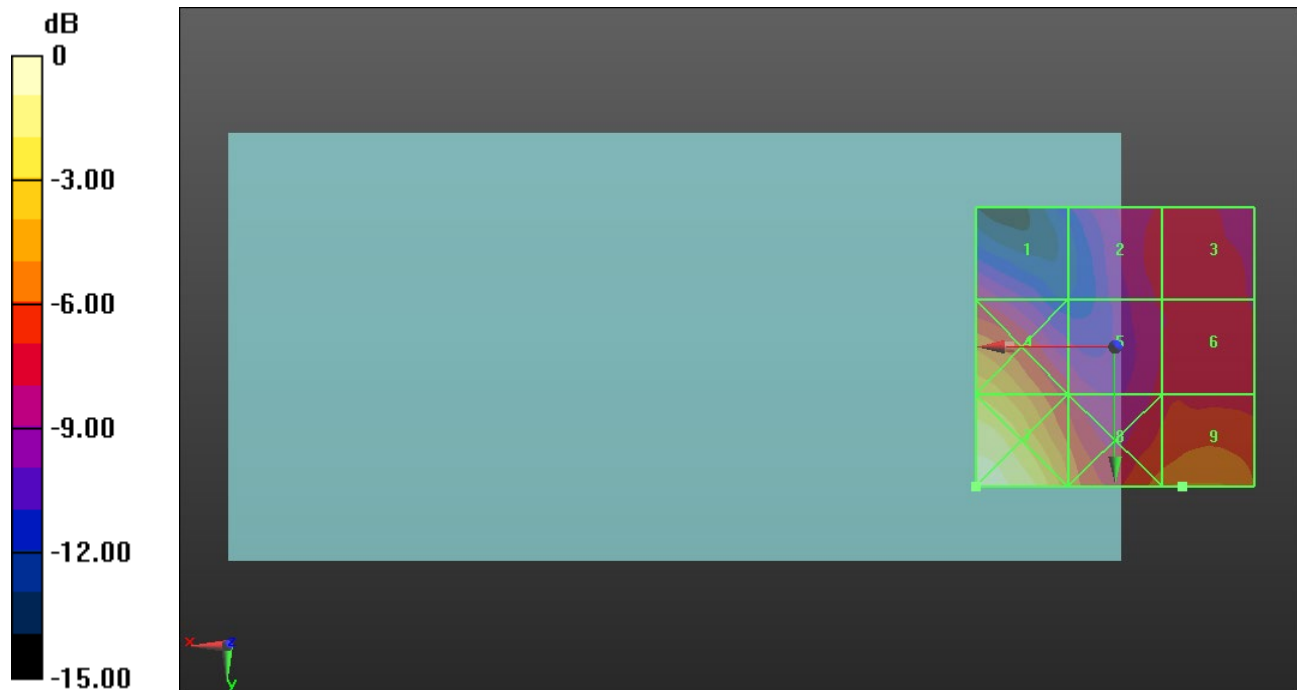
Applied MIF = -1.44 dB

RF audio interference level = 21.65 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 18.7 dBV/m	Grid 2 M4 18.95 dBV/m	Grid 3 M4 19.11 dBV/m
Grid 4 M4 23.39 dBV/m	Grid 5 M4 19.03 dBV/m	Grid 6 M4 19.38 dBV/m
Grid 7 M4 26.48 dBV/m	Grid 8 M4 21.8 dBV/m	Grid 9 M4 21.65 dBV/m



0 dB = 21.09 V/m = 26.48 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 - SN4028; ConvF(1, 1, 1) @ 2549.5 MHz; Calibrated: 8/13/2021
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1434; Calibrated: 11/11/2021
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7495)

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 = 10.24 V/m; Power Drift = 0.02 dB

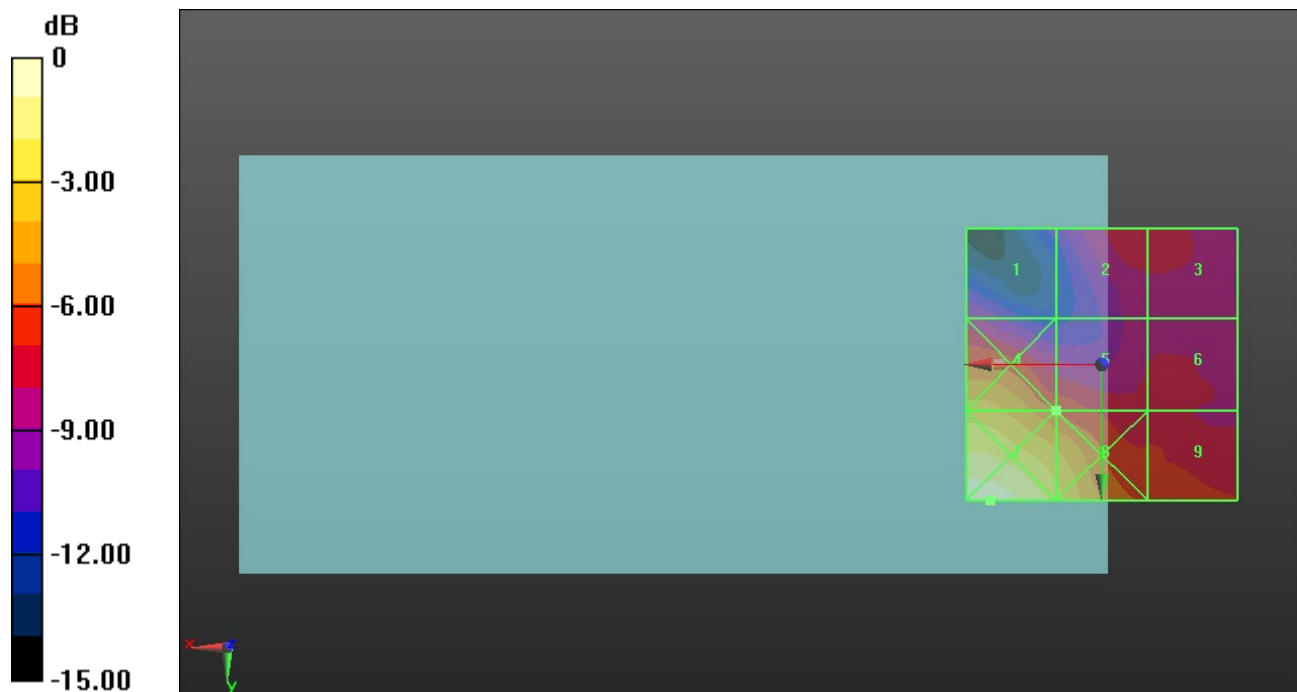
Applied MIF = -1.44 dB

RF audio interference level = 21.19 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 18.59 dBV/m	Grid 2 M4 19.66 dBV/m	Grid 3 M4 19.66 dBV/m
Grid 4 M4 23.69 dBV/m	Grid 5 M4 21.19 dBV/m	Grid 6 M4 19.49 dBV/m
Grid 7 M4 27.16 dBV/m	Grid 8 M4 24.72 dBV/m	Grid 9 M4 21.08 dBV/m



0 dB = 22.81 V/m = 27.16 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 - SN4028; ConvF(1, 1, 1) @ 2593 MHz; Calibrated: 8/13/2021
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1434; Calibrated: 11/11/2021
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7495)

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 = 15.38 V/m; Power Drift = -0.02 dB

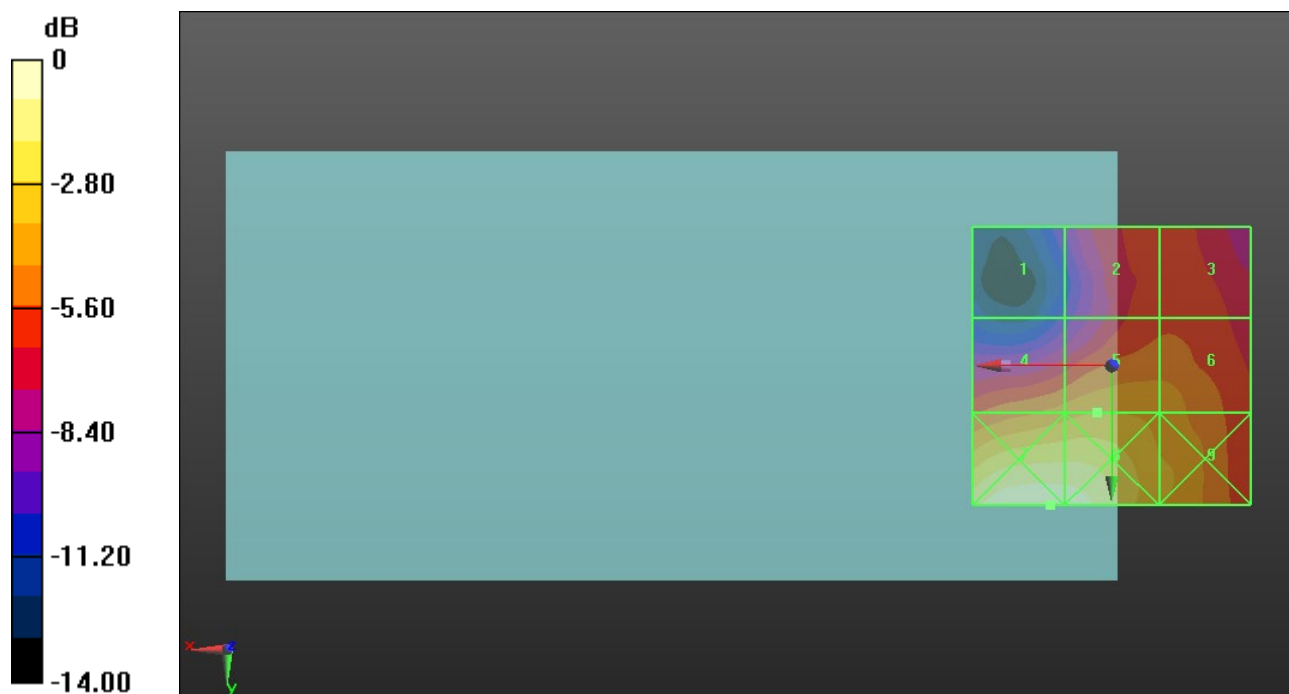
Applied MIF = -1.44 dB

RF audio interference level = 22.41 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 16.9 dBV/m	Grid 2 M4 20.19 dBV/m	Grid 3 M4 20.25 dBV/m
Grid 4 M4 21.99 dBV/m	Grid 5 M4 22.41 dBV/m	Grid 6 M4 22.05 dBV/m
Grid 7 M4 26.13 dBV/m	Grid 8 M4 25.98 dBV/m	Grid 9 M4 22.81 dBV/m



0 dB = 20.26 V/m = 26.13 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 - SN4028; ConvF(1, 1, 1) @ 2636.5 MHz; Calibrated: 8/13/2021
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1434; Calibrated: 11/11/2021
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7495)

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

Ch. 41055/Hearing Aid Compatibility Test (101x101x1): Interpolated grid: dx=0.5000 mm, dy=0.5000 mm

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 17.17 V/m; Power Drift = -0.03 dB

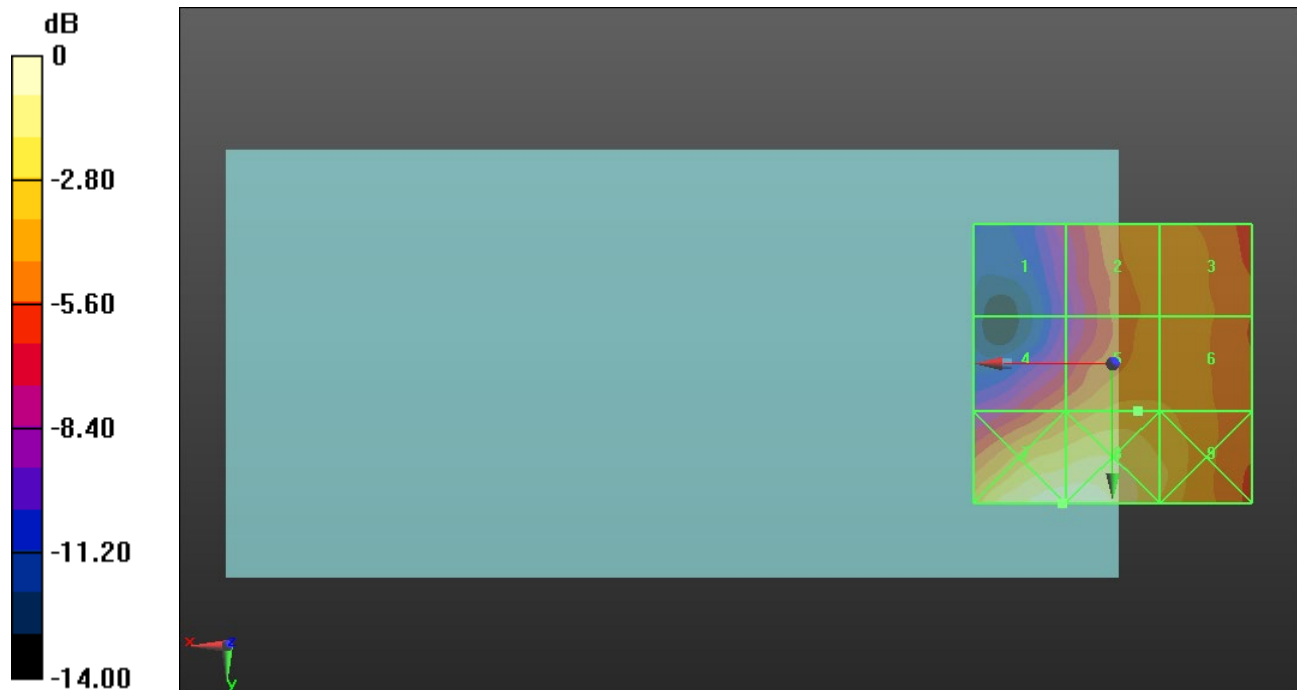
Applied MIF = -1.44 dB

RF audio interference level = 22.82 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 18.67 dBV/m	Grid 2 M4 22.16 dBV/m	Grid 3 M4 22.17 dBV/m
Grid 4 M4 21.35 dBV/m	Grid 5 M4 22.82 dBV/m	Grid 6 M4 22.62 dBV/m
Grid 7 M4 26.17 dBV/m	Grid 8 M4 26.17 dBV/m	Grid 9 M4 23.63 dBV/m



0 dB = 20.35 V/m = 26.17 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 - SN4028; ConvF(1, 1, 1) @ 2680 MHz; Calibrated: 8/13/2021
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1434; Calibrated: 11/11/2021
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7495)

LTE Band 41_Power Class 2 E-Field measurement/SC-FDMA RB 1/49 20 MHz 16QAM Ch. 41490/Hearing Aid Compatibility Test (101x101x1): Interpolated grid: dx=0.5000 mm, dy=0.5000 mm

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 14.37 V/m; Power Drift = -0.10 dB

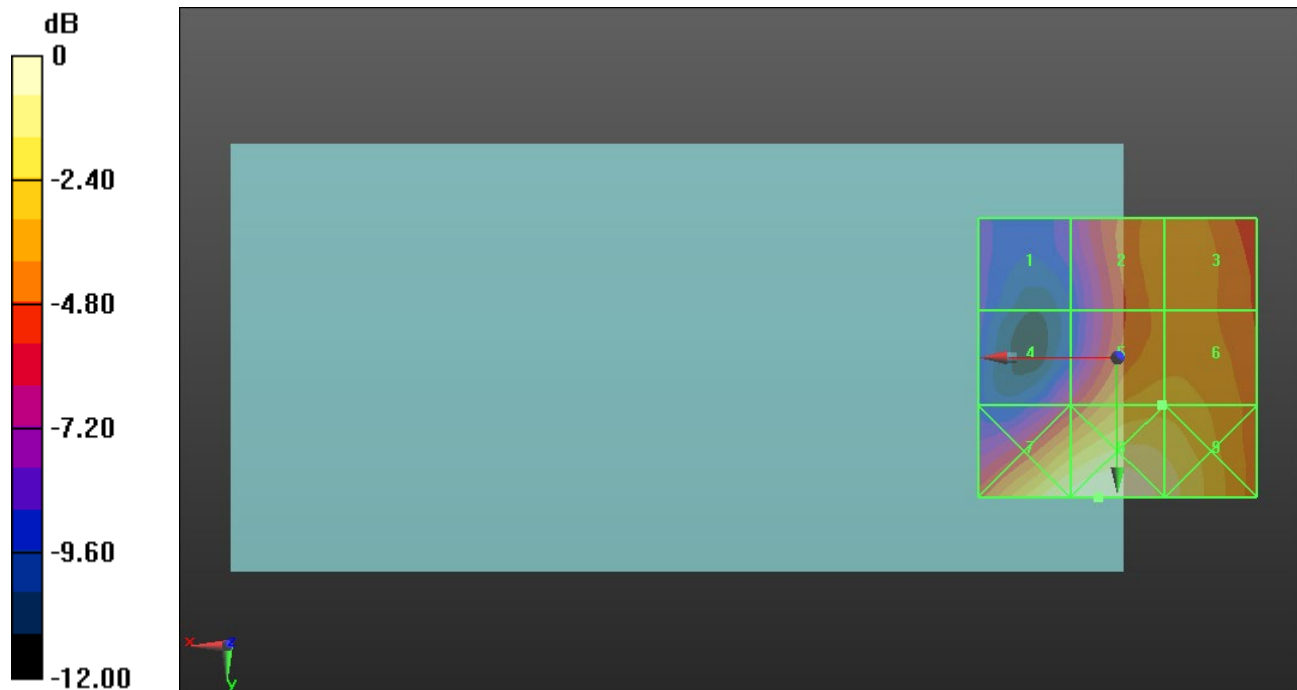
Applied MIF = -1.44 dB

RF audio interference level = 21.72 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 16.54 dBV/m	Grid 2 M4 20.83 dBV/m	Grid 3 M4 20.92 dBV/m
Grid 4 M4 18.33 dBV/m	Grid 5 M4 21.72 dBV/m	Grid 6 M4 21.72 dBV/m
Grid 7 M4 23.98 dBV/m	Grid 8 M4 24.39 dBV/m	Grid 9 M4 23.3 dBV/m



0 dB = 16.58 V/m = 24.39 dBV/m

HAC-RF Emission ANT1

Communication System: UID 10235 - CAG, LTE-TDD (SC-FDMA, 1 RB, 10 MHz, 16-QAM); Frequency: 2489.2 MHz; Duty Cycle: 1:8.8736

Phantom section: RF Section

DASY5 Configuration:

- Probe: EF3DV3 - SN4028; ConvF(1, 1, 1) @ 2489.2 MHz; Calibrated: 8/13/2021
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1434; Calibrated: 11/11/2021
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7495)

LTE Band 53_E-Field measurement/SC-FDMA RB 1/49 10 MHz 16QAM Ch.

60197/Hearing Aid Compatibility Test (101x101x1): Interpolated grid: dx=0.5000 mm, dy=0.5000 mm

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 6.569 V/m; Power Drift = -0.19 dB

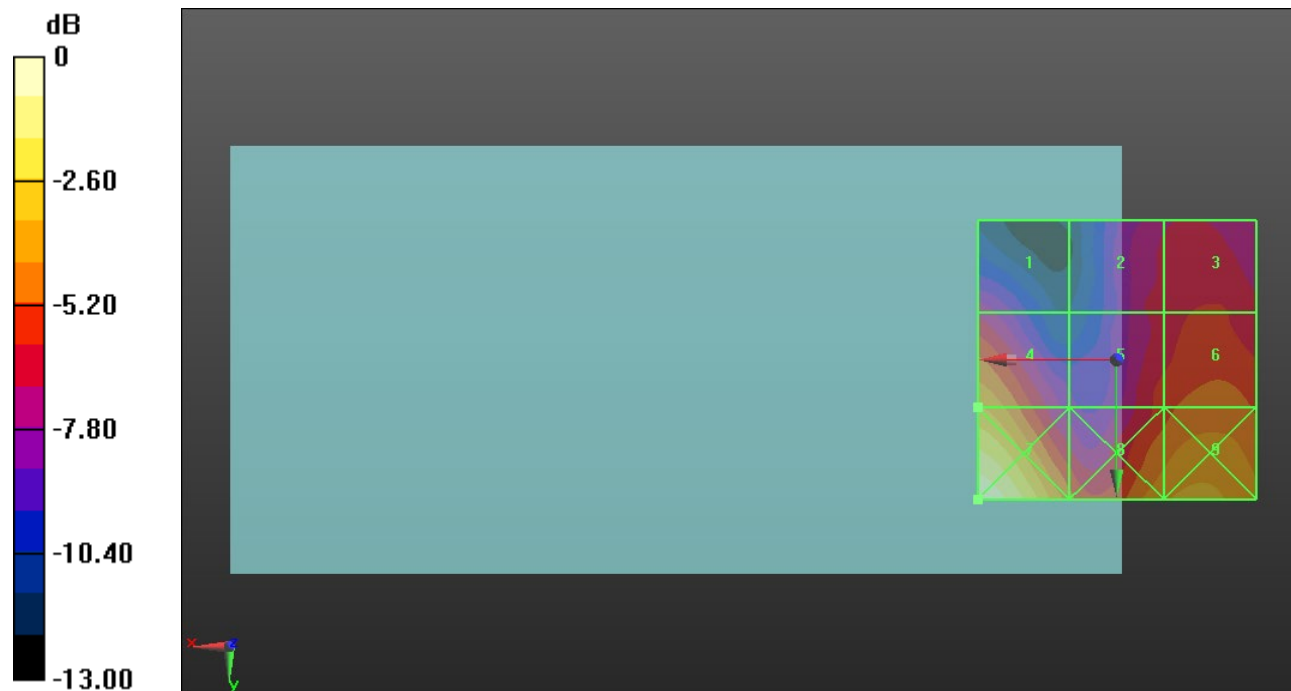
Applied MIF = -1.44 dB

RF audio interference level = 18.78 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 14.98 dBV/m	Grid 2 M4 15.56 dBV/m	Grid 3 M4 16.17 dBV/m
Grid 4 M4 18.78 dBV/m	Grid 5 M4 16.55 dBV/m	Grid 6 M4 17.3 dBV/m
Grid 7 M4 22.1 dBV/m	Grid 8 M4 18.53 dBV/m	Grid 9 M4 18.97 dBV/m



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

HAC-RF Emission ANT2

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

Phantom section: RF Section

DASY5 Configuration:

- Probe: EF3DV3 - SN4028; ConvF(1, 1, 1) @ 824.2 MHz; Calibrated: 8/13/2021
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1434; Calibrated: 11/11/2021
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7495)

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 = 58.27 V/m; Power Drift = -0.03 dB

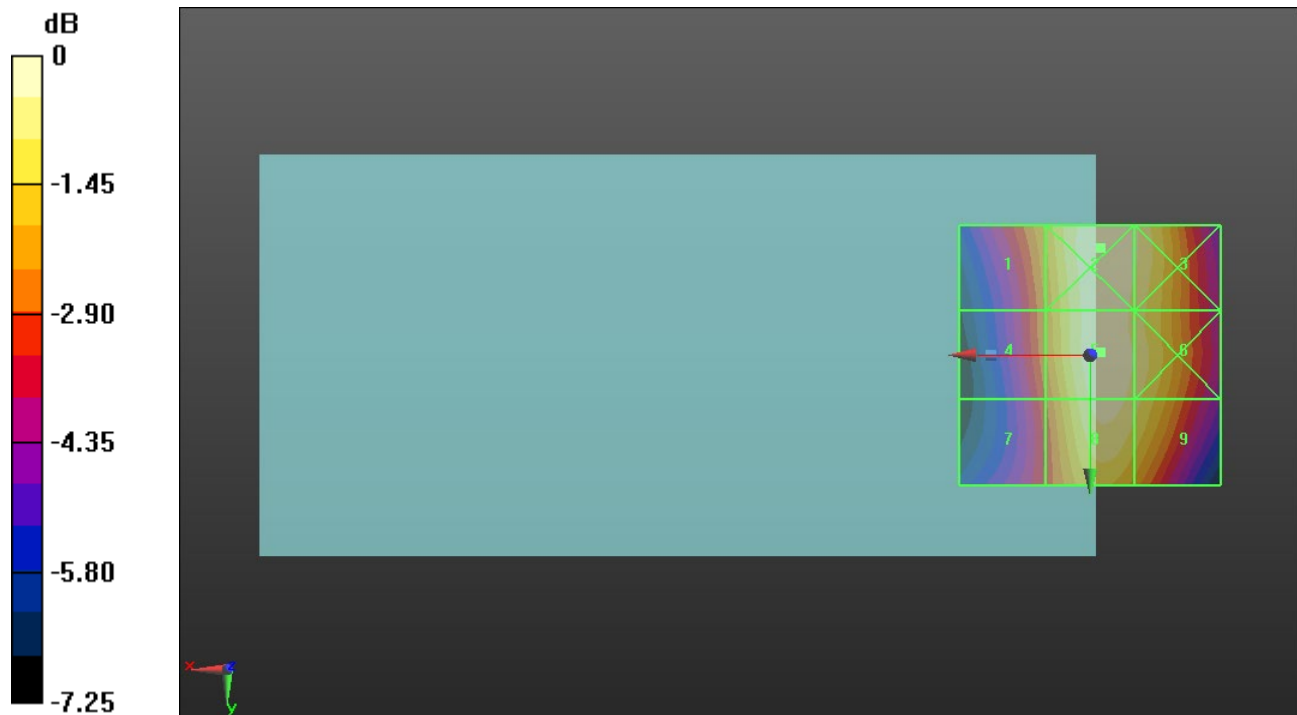
Applied MIF = 3.63 dB

RF audio interference level = 34.63 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 32.88 dBV/m	Grid 2 M4 34.67 dBV/m	Grid 3 M4 34.29 dBV/m
Grid 4 M4 32.34 dBV/m	Grid 5 M4 34.63 dBV/m	Grid 6 M4 34.15 dBV/m
Grid 7 M4 31.77 dBV/m	Grid 8 M4 34.41 dBV/m	Grid 9 M4 33.91 dBV/m



0 dB = 54.13 V/m = 34.67 dBV/m

HAC-RF Emission ANT2

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

Phantom section: RF Section

DASY5 Configuration:

- Probe: EF3DV3 - SN4028; ConvF(1, 1, 1) @ 836.6 MHz; Calibrated: 8/13/2021
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1434; Calibrated: 11/11/2021
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7495)

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 = 54.35 V/m; Power Drift = -0.03 dB

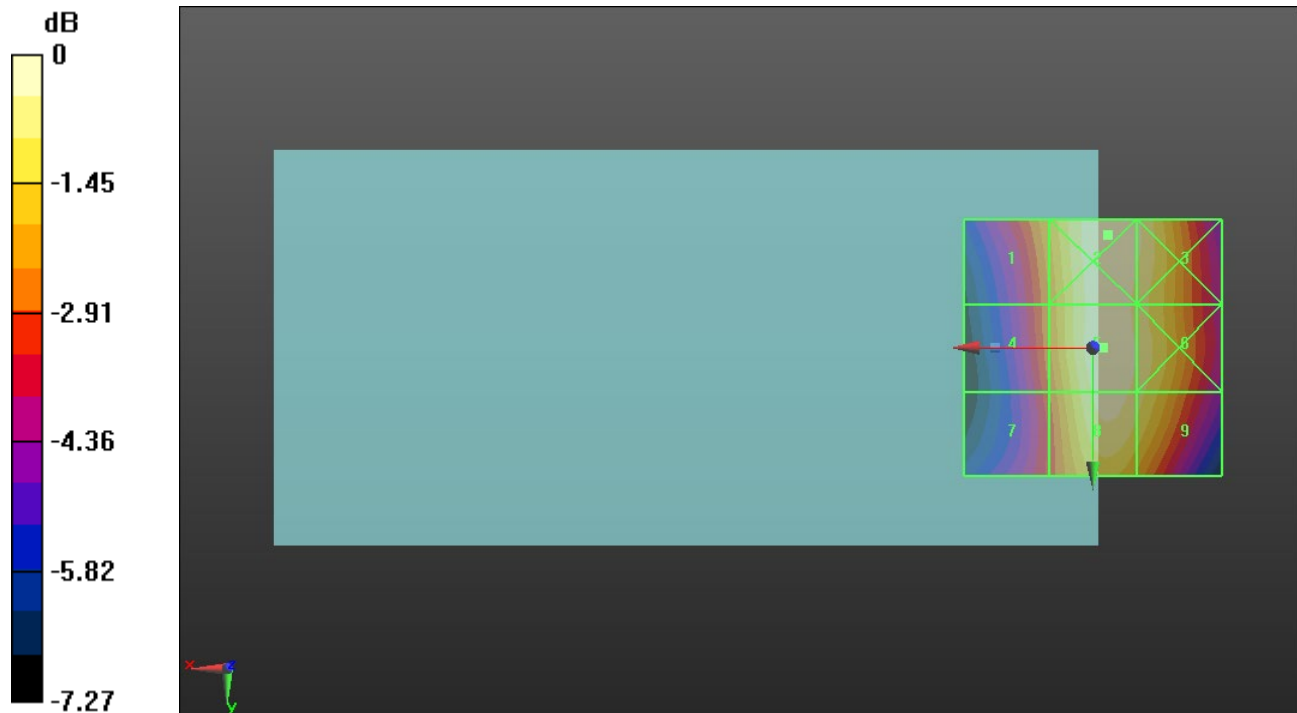
Applied MIF = 3.63 dB

RF audio interference level = 34.06 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 32.23 dBV/m	Grid 2 M4 34.11 dBV/m	Grid 3 M4 33.75 dBV/m
Grid 4 M4 31.72 dBV/m	Grid 5 M4 34.06 dBV/m	Grid 6 M4 33.6 dBV/m
Grid 7 M4 31.19 dBV/m	Grid 8 M4 33.87 dBV/m	Grid 9 M4 33.41 dBV/m



0 dB = 50.73 V/m = 34.11 dBV/m

HAC-RF Emission ANT2

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

Phantom section: RF Section

DASY5 Configuration:

- Probe: EF3DV3 - SN4028; ConvF(1, 1, 1) @ 848.6 MHz; Calibrated: 8/13/2021
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1434; Calibrated: 11/11/2021
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7495)

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 = 66.26 V/m; Power Drift = -0.05 dB

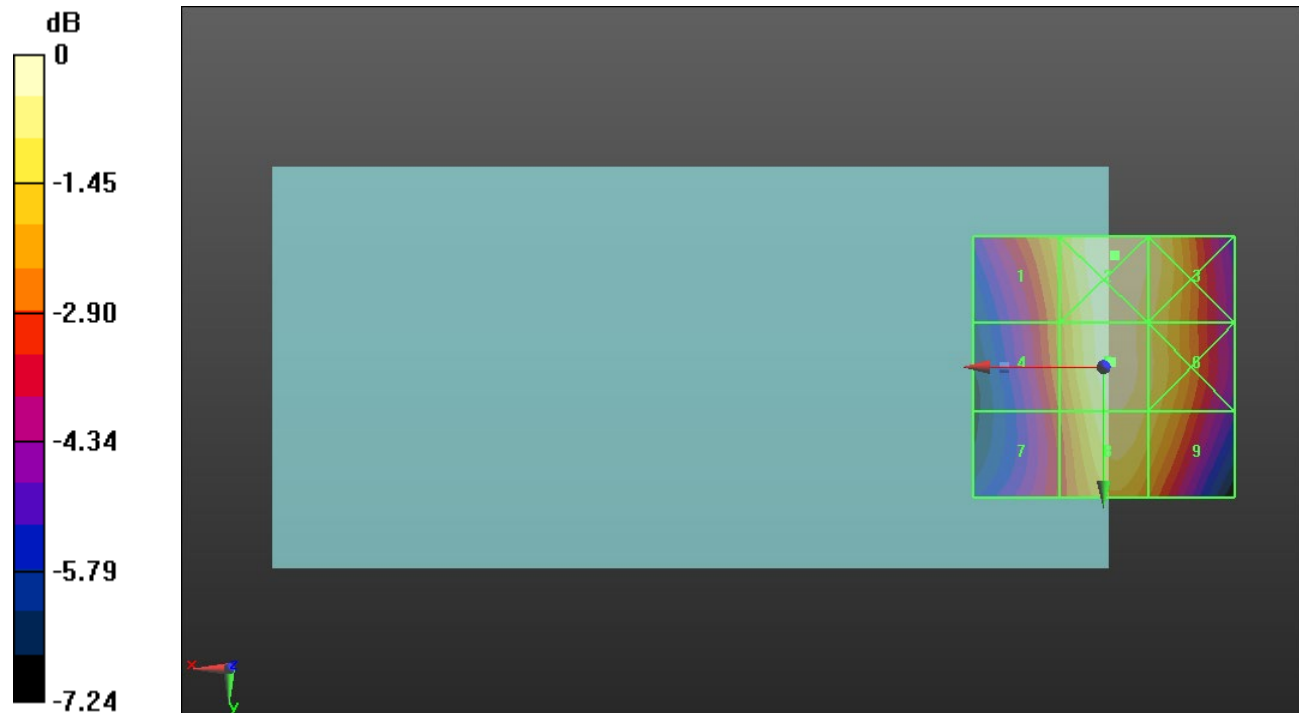
Applied MIF = 3.63 dB

RF audio interference level = 35.80 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 34.5 dBV/m	Grid 2 M4 35.96 dBV/m	Grid 3 M4 35.48 dBV/m
Grid 4 M4 33.77 dBV/m	Grid 5 M4 35.8 dBV/m	Grid 6 M4 35.17 dBV/m
Grid 7 M4 33.09 dBV/m	Grid 8 M4 35.49 dBV/m	Grid 9 M4 34.9 dBV/m



0 dB = 62.78 V/m = 35.96 dBV/m

HAC-RF Emission ANT2

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

Phantom section: RF Section

DASY5 Configuration:

- Probe: EF3DV3 - SN4028; ConvF(1, 1, 1) @ 1850.2 MHz; Calibrated: 8/13/2021
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1434; Calibrated: 11/11/2021
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7495)

GSM1900 E-Field measurement/Voice_ch 512/Hearing Aid Compatibility Test (101x101x1): Interpolated grid: dx=0.5000 mm, dy=0.5000 mm

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 19.92 V/m; Power Drift = -0.05 dB

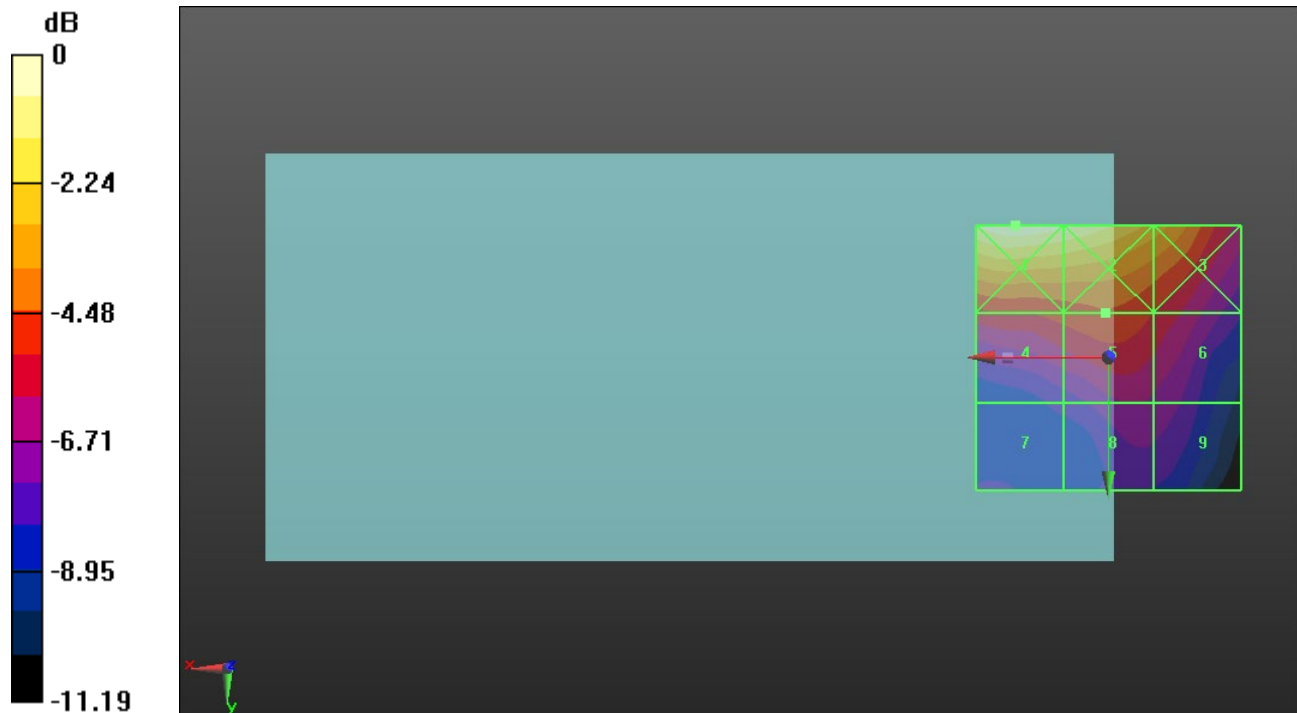
Applied MIF = 3.63 dB

RF audio interference level = 27.46 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M3 32.01 dBV/m	Grid 2 M3 31.55 dBV/m	Grid 3 M4 29.56 dBV/m
Grid 4 M4 27.16 dBV/m	Grid 5 M4 27.46 dBV/m	Grid 6 M4 26.82 dBV/m
Grid 7 M4 24.18 dBV/m	Grid 8 M4 25.35 dBV/m	Grid 9 M4 25.15 dBV/m



0 dB = 39.85 V/m = 32.01 dBV/m

HAC-RF Emission ANT2

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

Phantom section: RF Section

DASY5 Configuration:

- Probe: EF3DV3 - SN4028; ConvF(1, 1, 1) @ 1880 MHz; Calibrated: 8/13/2021
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1434; Calibrated: 11/11/2021
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7495)

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 = 18.87 V/m; Power Drift = -0.00 dB

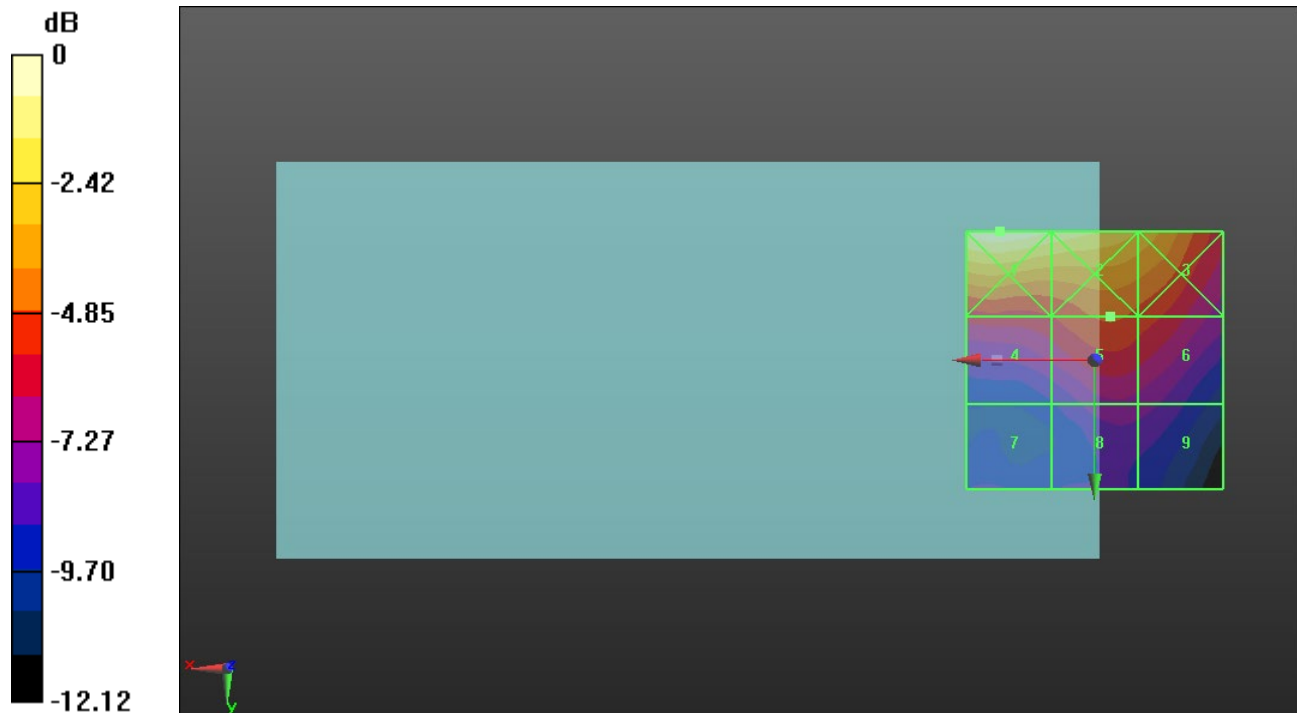
Applied MIF = 3.63 dB

RF audio interference level = 27.32 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M3 32.02 dBV/m	Grid 2 M3 31.28 dBV/m	Grid 3 M4 29.57 dBV/m
Grid 4 M4 26.38 dBV/m	Grid 5 M4 27.32 dBV/m	Grid 6 M4 26.92 dBV/m
Grid 7 M4 23.31 dBV/m	Grid 8 M4 24.59 dBV/m	Grid 9 M4 24.4 dBV/m



0 dB = 39.92 V/m = 32.02 dBV/m

HAC-RF Emission ANT2

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

Phantom section: RF Section

DASY5 Configuration:

- Probe: EF3DV3 - SN4028; ConvF(1, 1, 1) @ 1909.8 MHz; Calibrated: 8/13/2021
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1434; Calibrated: 11/11/2021
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7495)

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 = 20.44 V/m; Power Drift = -0.01 dB

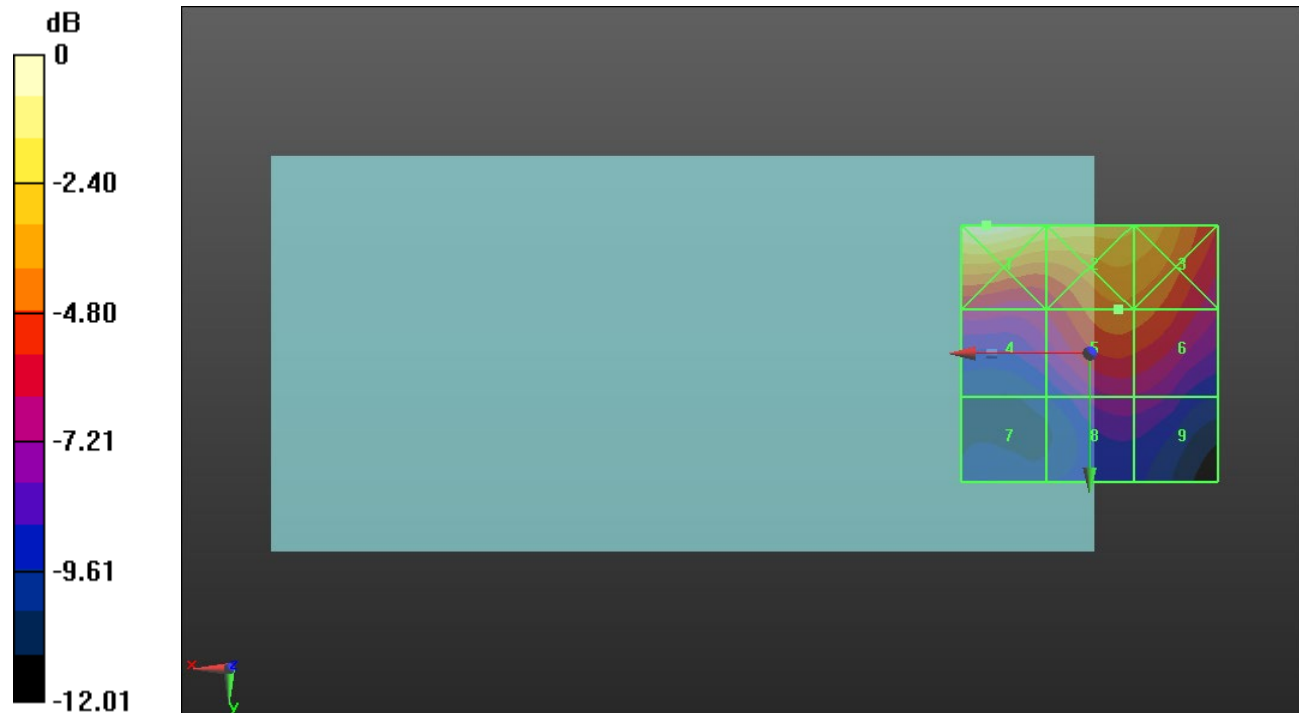
Applied MIF = 3.63 dB

RF audio interference level = 28.02 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M3 32.19 dBV/m	Grid 2 M3 31 dBV/m	Grid 3 M3 30 dBV/m
Grid 4 M4 25.82 dBV/m	Grid 5 M4 28.02 dBV/m	Grid 6 M4 27.89 dBV/m
Grid 7 M4 22.71 dBV/m	Grid 8 M4 24.97 dBV/m	Grid 9 M4 24.91 dBV/m



0 dB = 40.69 V/m = 32.19 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 - SN4028; ConvF(1, 1, 1) @ 2506 MHz; Calibrated: 8/13/2021
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1434; Calibrated: 11/11/2021
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.10 (4);SEMCAD X Version 14.6.14 (7495)

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 = 26.20 V/m; Power Drift = -0.00 dB

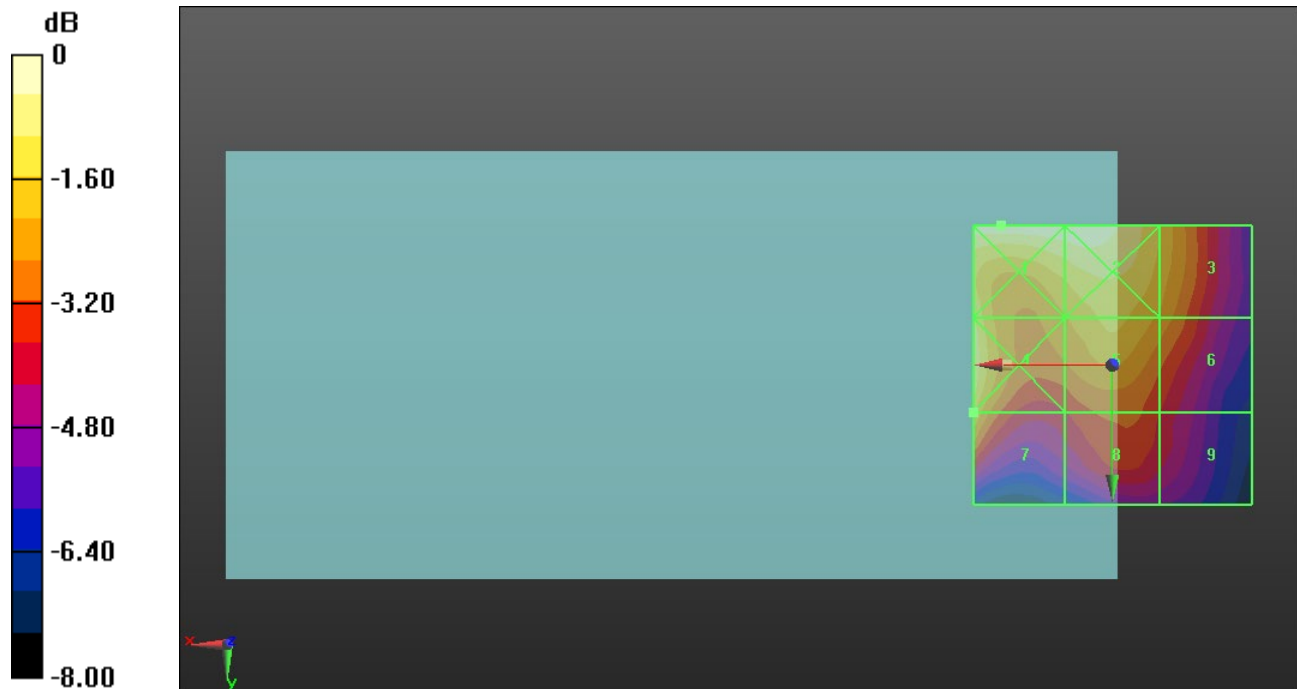
Applied MIF = -1.44 dB

RF audio interference level = 24.76 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 26.18 dBV/m	Grid 2 M4 26.16 dBV/m	Grid 3 M4 24.59 dBV/m
Grid 4 M4 25.63 dBV/m	Grid 5 M4 24.72 dBV/m	Grid 6 M4 23.92 dBV/m
Grid 7 M4 24.76 dBV/m	Grid 8 M4 23.15 dBV/m	Grid 9 M4 22.46 dBV/m



0 dB = 20.37 V/m = 26.18 dBV/m

HAC-RF Emission ANT2

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

Phantom section: RF Section

DASY5 Configuration:

- Probe: EF3DV3 - SN4028; ConvF(1, 1, 1) @ 2549.5 MHz; Calibrated: 8/13/2021
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1434; Calibrated: 11/11/2021
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7495)

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 = 35.29 V/m; Power Drift = -0.03 dB

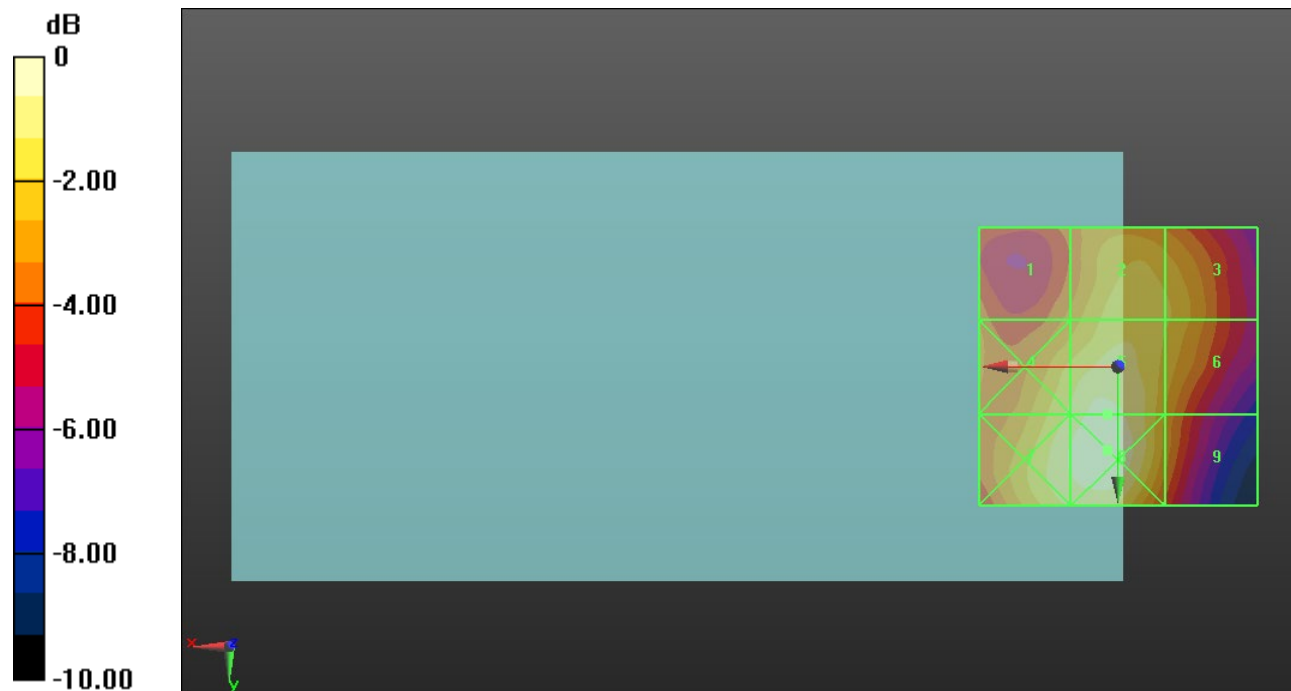
Applied MIF = -1.44 dB

RF audio interference level = 26.82 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 24.24 dBV/m	Grid 2 M4 25.84 dBV/m	Grid 3 M4 25.42 dBV/m
Grid 4 M4 26.15 dBV/m	Grid 5 M4 26.82 dBV/m	Grid 6 M4 25.4 dBV/m
Grid 7 M4 26.7 dBV/m	Grid 8 M4 27.27 dBV/m	Grid 9 M4 24.55 dBV/m



0 dB = 23.10 V/m = 27.27 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 - SN4028; ConvF(1, 1, 1) @ 2593 MHz; Calibrated: 8/13/2021
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1434; Calibrated: 11/11/2021
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7495)

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 = 36.26 V/m; Power Drift = 0.15 dB

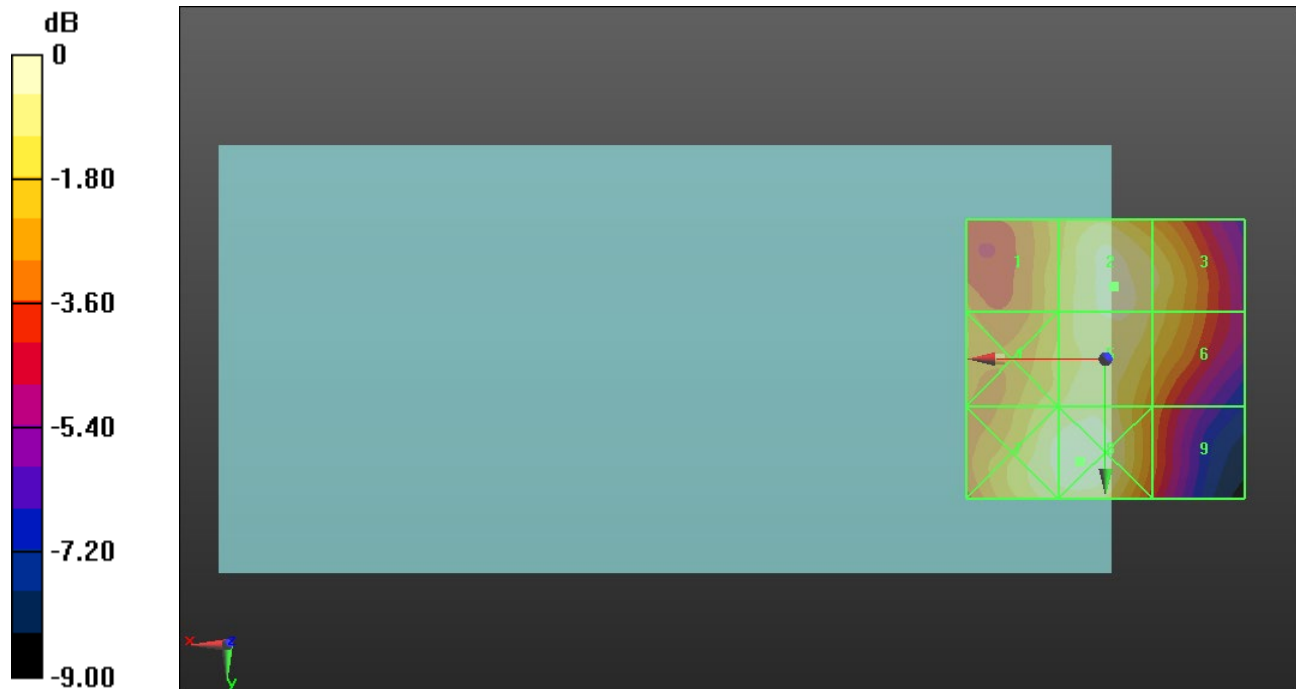
Applied MIF = -1.44 dB

RF audio interference level = 27.03 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 25.61 dBV/m	Grid 2 M4 27.03 dBV/m	Grid 3 M4 26.42 dBV/m
Grid 4 M4 26.24 dBV/m	Grid 5 M4 26.93 dBV/m	Grid 6 M4 26.11 dBV/m
Grid 7 M4 27.04 dBV/m	Grid 8 M4 27.42 dBV/m	Grid 9 M4 24.47 dBV/m



0 dB = 23.50 V/m = 27.42 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 - SN4028; ConvF(1, 1, 1) @ 2636.5 MHz; Calibrated: 8/13/2021
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1434; Calibrated: 11/11/2021
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

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 = 36.94 V/m; Power Drift = -0.11 dB

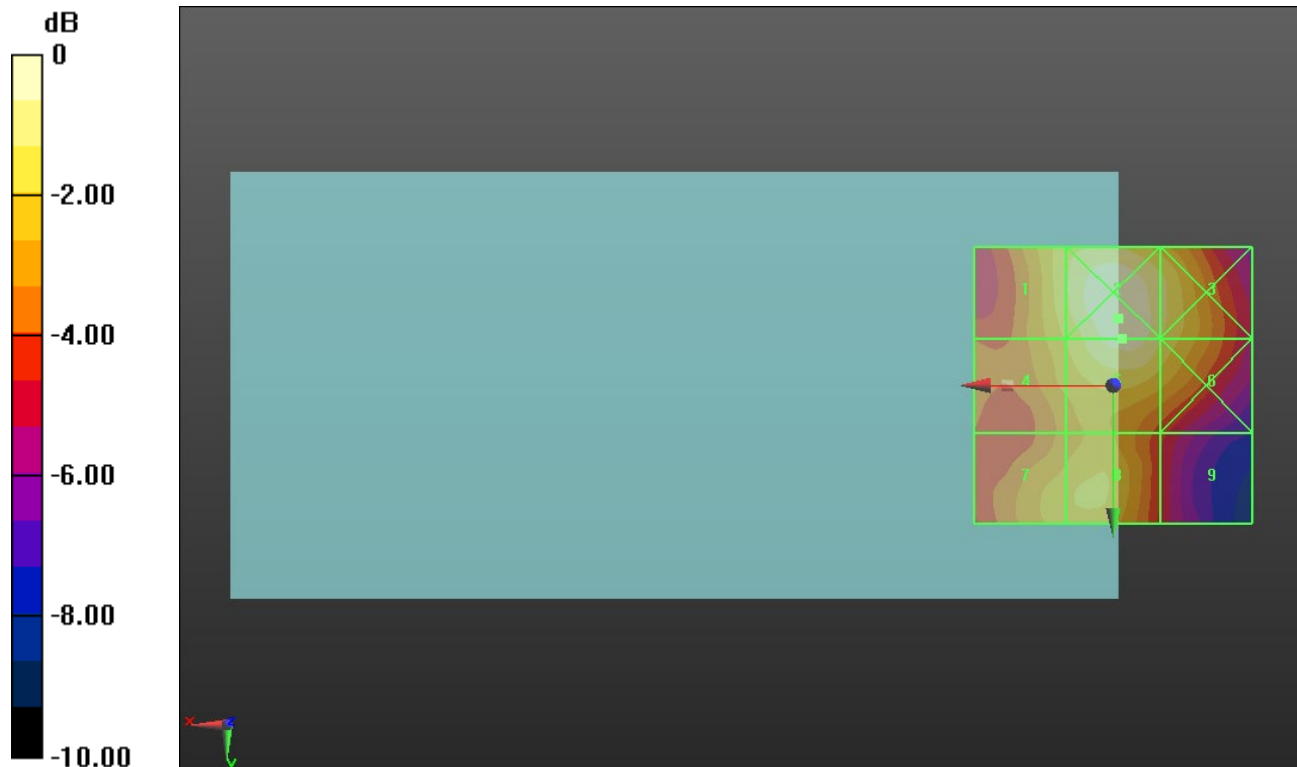
Applied MIF = -1.44 dB

RF audio interference level = 27.62 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 26.5 dBV/m	Grid 2 M4 27.89 dBV/m	Grid 3 M4 26.83 dBV/m
Grid 4 M4 26 dBV/m	Grid 5 M4 27.62 dBV/m	Grid 6 M4 26.62 dBV/m
Grid 7 M4 25.78 dBV/m	Grid 8 M4 26.02 dBV/m	Grid 9 M4 23.56 dBV/m



0 dB = 24.82 V/m = 27.90 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 - SN4028; ConvF(1, 1, 1) @ 2680 MHz; Calibrated: 8/13/2021
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1434; Calibrated: 11/11/2021
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7495)

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 = 36.01 V/m; Power Drift = 0.02 dB

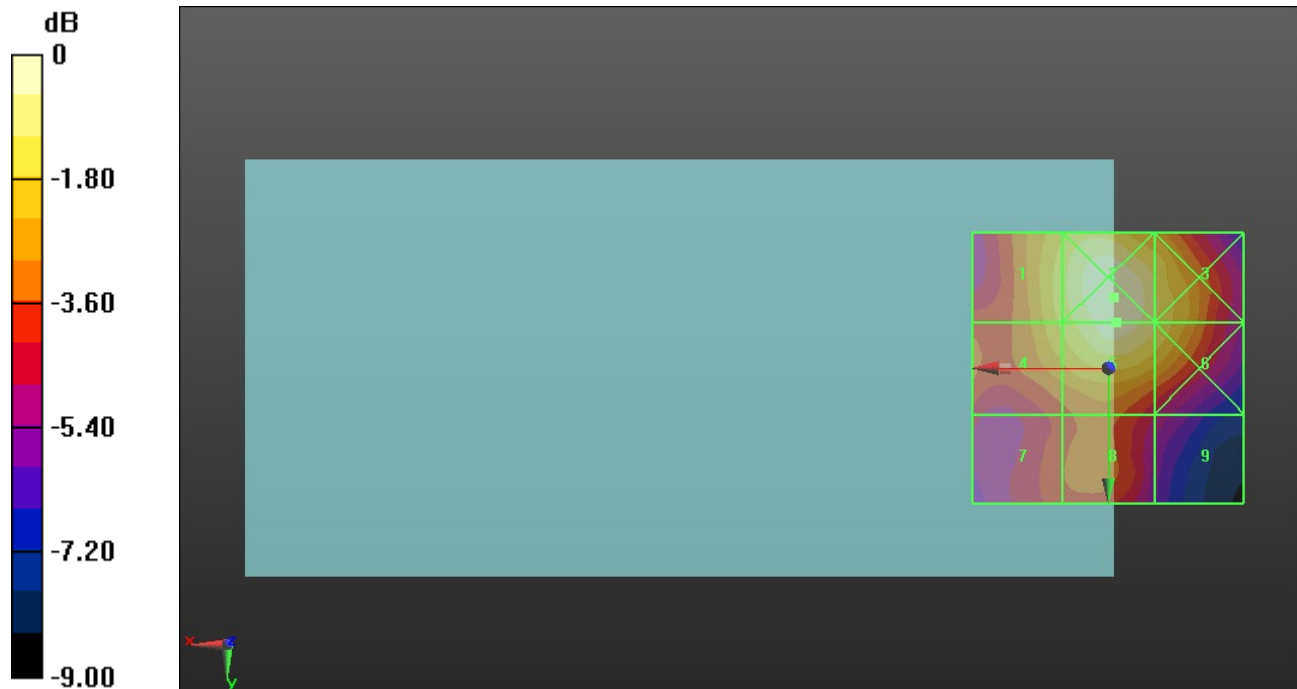
Applied MIF = -1.44 dB

RF audio interference level = 27.43 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 26.27 dBV/m	Grid 2 M4 27.65 dBV/m	Grid 3 M4 26.6 dBV/m
Grid 4 M4 26.03 dBV/m	Grid 5 M4 27.43 dBV/m	Grid 6 M4 26.51 dBV/m
Grid 7 M4 24.02 dBV/m	Grid 8 M4 24.44 dBV/m	Grid 9 M4 22.93 dBV/m



0 dB = 24.12 V/m = 27.65 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 - SN4028; ConvF(1, 1, 1) @ 2506 MHz; Calibrated: 8/13/2021
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1434; Calibrated: 11/11/2021
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7495)

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 = 30.61 V/m; Power Drift = -0.04 dB

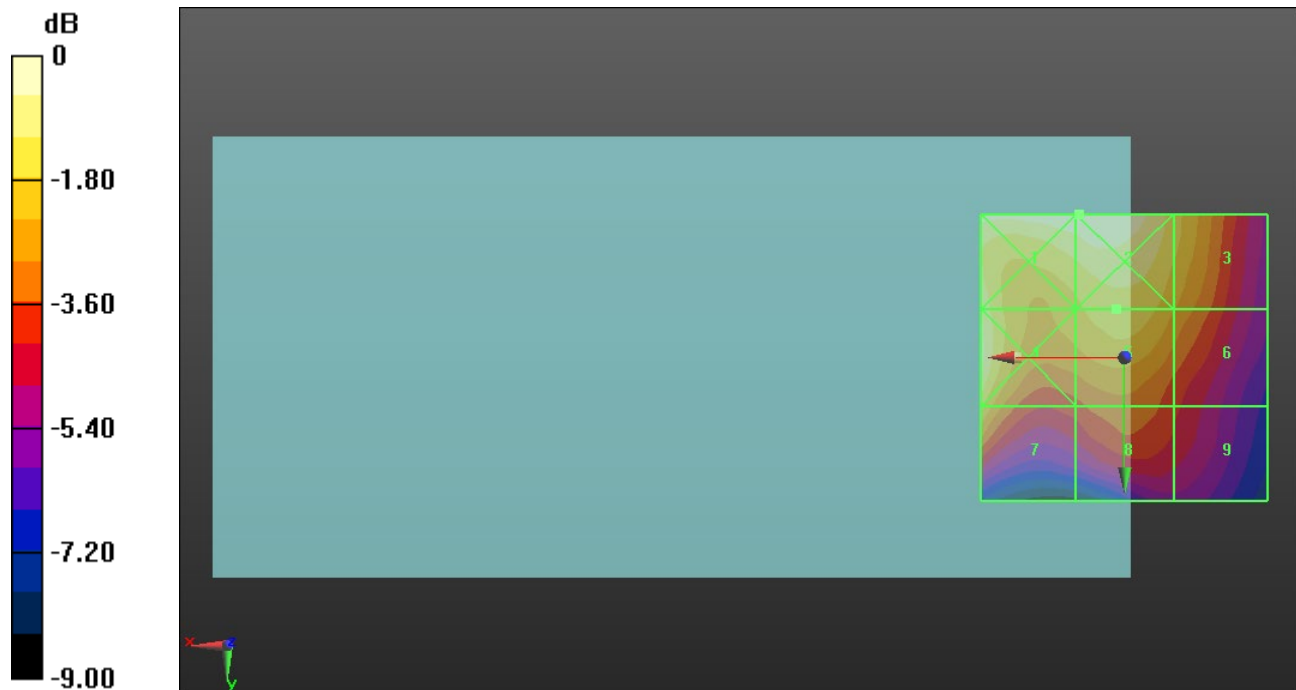
Applied MIF = -1.44 dB

RF audio interference level = 26.10 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 27.56 dBV/m	Grid 2 M4 27.57 dBV/m	Grid 3 M4 26.1 dBV/m
Grid 4 M4 27.25 dBV/m	Grid 5 M4 26.1 dBV/m	Grid 6 M4 25.24 dBV/m
Grid 7 M4 25.96 dBV/m	Grid 8 M4 24.36 dBV/m	Grid 9 M4 23.58 dBV/m



0 dB = 23.89 V/m = 27.56 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 - SN4028; ConvF(1, 1, 1) @ 2549.5 MHz; Calibrated: 8/13/2021
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1434; Calibrated: 11/11/2021
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7495)

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

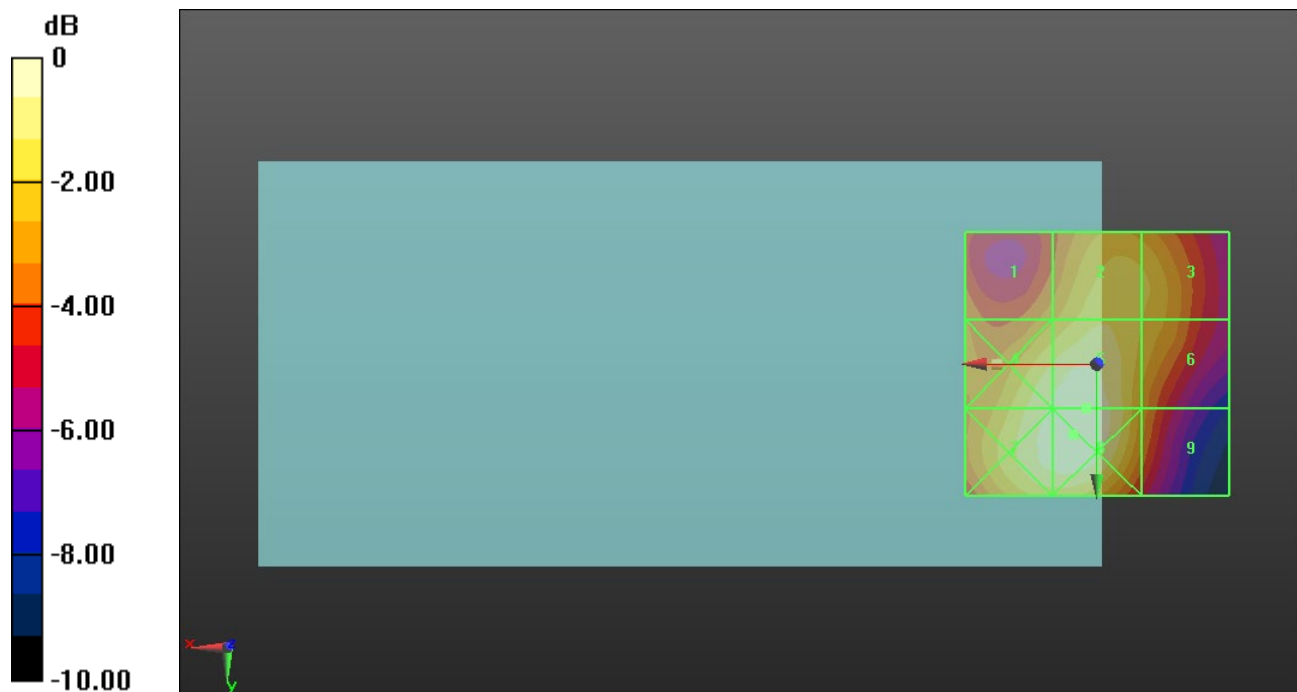
Applied MIF = -1.44 dB

RF audio interference level = 28.57 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 25.9 dBV/m	Grid 2 M4 27.32 dBV/m	Grid 3 M4 26.92 dBV/m
Grid 4 M4 28.19 dBV/m	Grid 5 M4 28.57 dBV/m	Grid 6 M4 26.75 dBV/m
Grid 7 M4 28.41 dBV/m	Grid 8 M4 28.71 dBV/m	Grid 9 M4 25.86 dBV/m



0 dB = 27.26 V/m = 28.71 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 - SN4028; ConvF(1, 1, 1) @ 2593 MHz; Calibrated: 8/13/2021
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1434; Calibrated: 11/11/2021
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7495)

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 = 44.08 V/m; Power Drift = -0.03 dB

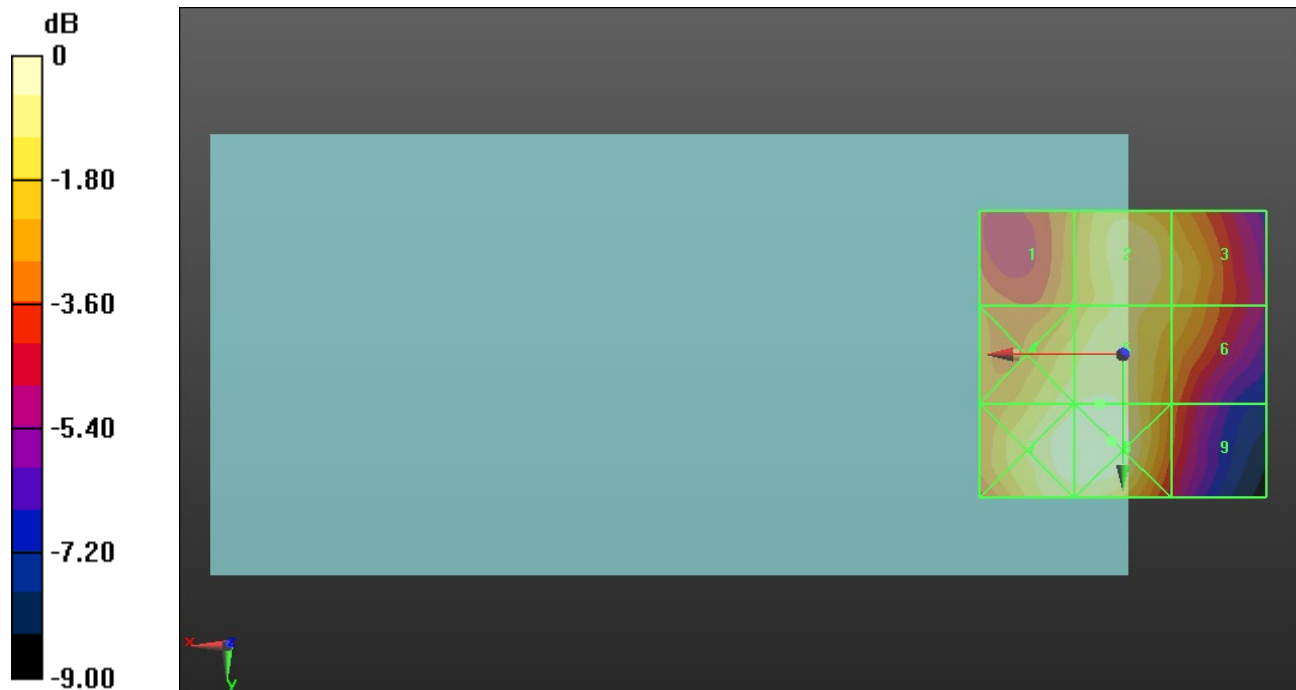
Applied MIF = -1.44 dB

RF audio interference level = 28.78 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 26.92 dBV/m	Grid 2 M4 28.43 dBV/m	Grid 3 M4 27.73 dBV/m
Grid 4 M4 28.46 dBV/m	Grid 5 M4 28.78 dBV/m	Grid 6 M4 27.51 dBV/m
Grid 7 M4 29.04 dBV/m	Grid 8 M4 29.18 dBV/m	Grid 9 M4 26.07 dBV/m



0 dB = 28.76 V/m = 29.18 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 - SN4028; ConvF(1, 1, 1) @ 2636.5 MHz; Calibrated: 8/13/2021
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1434; Calibrated: 11/11/2021
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7495)

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 = 41.60 V/m; Power Drift = 0.02 dB

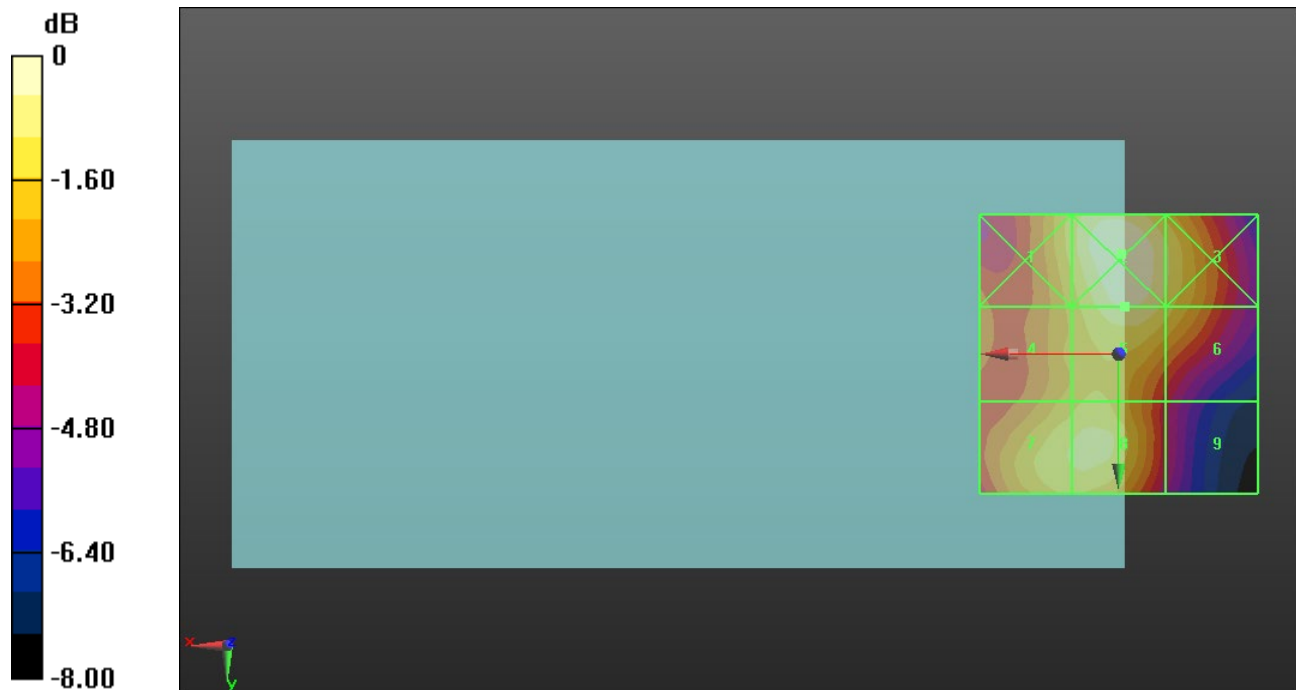
Applied MIF = -1.44 dB

RF audio interference level = 28.70 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 27.92 dBV/m	Grid 2 M4 29.23 dBV/m	Grid 3 M4 28.29 dBV/m
Grid 4 M4 27.42 dBV/m	Grid 5 M4 28.7 dBV/m	Grid 6 M4 27.92 dBV/m
Grid 7 M4 28.22 dBV/m	Grid 8 M4 28.35 dBV/m	Grid 9 M4 25.22 dBV/m



0 dB = 28.94 V/m = 29.23 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 - SN4028; ConvF(1, 1, 1) @ 2680 MHz; Calibrated: 8/13/2021
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1434; Calibrated: 11/11/2021
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7495)

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 = 40.50 V/m; Power Drift = 0.02 dB

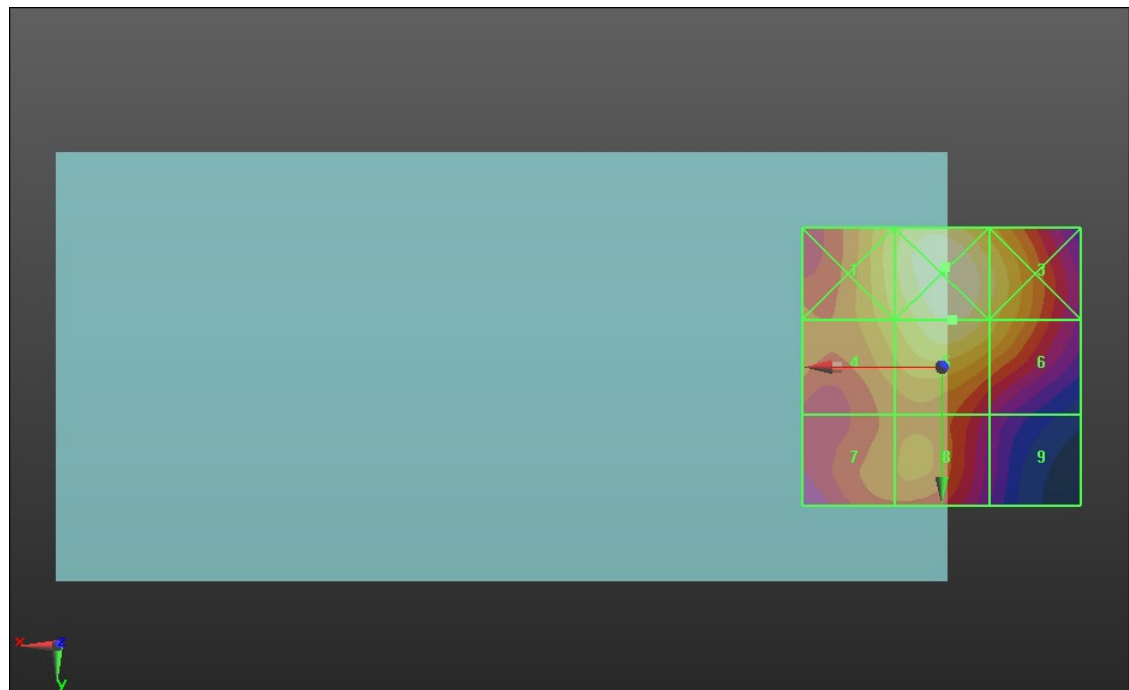
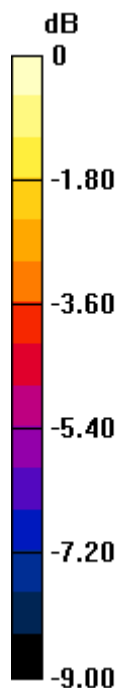
Applied MIF = -1.44 dB

RF audio interference level = 28.77 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 28.02 dBV/m	Grid 2 M4 29.32 dBV/m	Grid 3 M4 28.36 dBV/m
Grid 4 M4 27.52 dBV/m	Grid 5 M4 28.77 dBV/m	Grid 6 M4 27.89 dBV/m
Grid 7 M4 26.29 dBV/m	Grid 8 M4 26.52 dBV/m	Grid 9 M4 24.21 dBV/m



0 dB = 29.25 V/m = 29.32 dBV/m

HAC-RF Emission ANT2

Communication System: UID 10235 - CAG, LTE-TDD (SC-FDMA, 1 RB, 10 MHz, 16-QAM); Frequency: 2489.2 MHz; Duty Cycle: 1:8.8736

Phantom section: RF Section

DASY5 Configuration:

- Probe: EF3DV3 - SN4028; ConvF(1, 1, 1) @ 2489.2 MHz; Calibrated: 8/13/2021
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1434; Calibrated: 11/11/2021
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7495)

LTE Band 53_E-Field measurement/SC-FDMA RB 1/49 10 MHz 16QAM Ch.

60197/Hearing Aid Compatibility Test (101x101x1): Interpolated grid: dx=0.5000 mm, dy=0.5000 mm

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 34.23 V/m; Power Drift = 0.08 dB

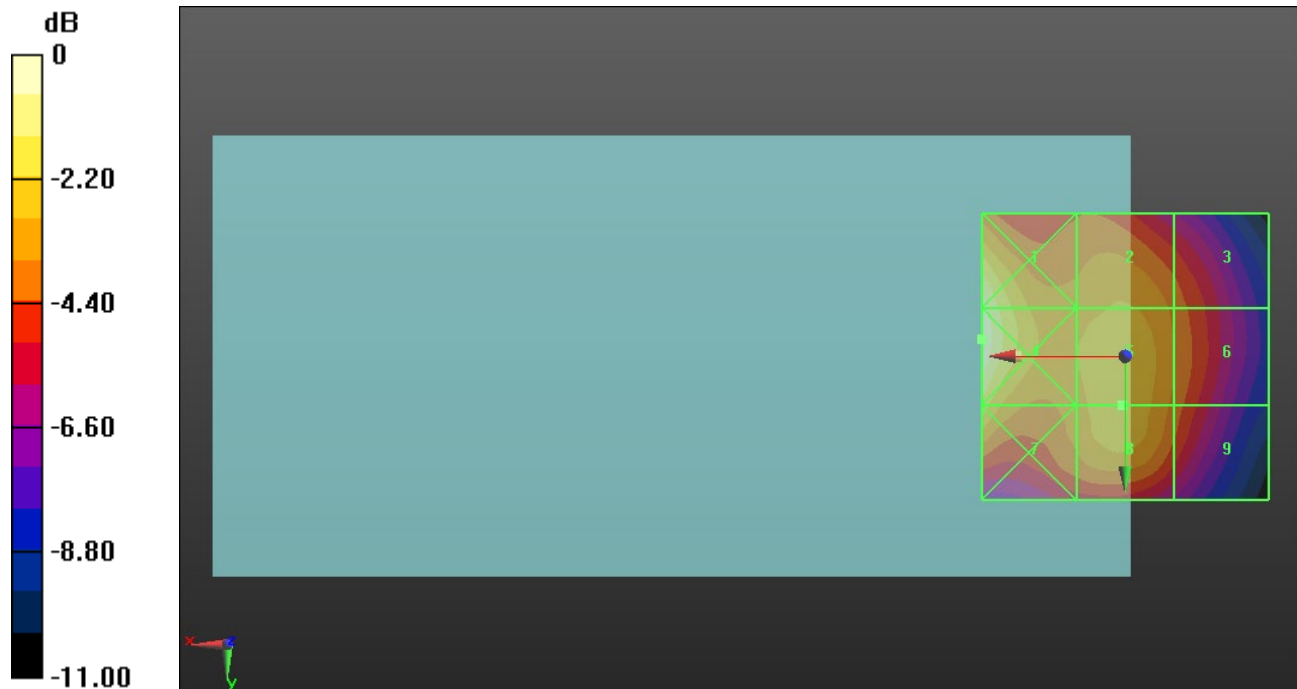
Applied MIF = -1.44 dB

RF audio interference level = 26.40 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 28.49 dBV/m	Grid 2 M4 25.96 dBV/m	Grid 3 M4 24.93 dBV/m
Grid 4 M4 28.8 dBV/m	Grid 5 M4 26.4 dBV/m	Grid 6 M4 25.22 dBV/m
Grid 7 M4 27.13 dBV/m	Grid 8 M4 26.4 dBV/m	Grid 9 M4 24.91 dBV/m



0 dB = 27.55 V/m = 28.80 dBV/m

HAC-RF Emission ANT3

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

Phantom section: RF Section

DASY5 Configuration:

- Probe: EF3DV3 - SN4028; ConvF(1, 1, 1) @ 1850.2 MHz; Calibrated: 8/13/2021
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1434; Calibrated: 11/11/2021
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7495)

GSM1900 E-Field measurement/Voice_ch 512/Hearing Aid Compatibility Test

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

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 17.17 V/m; Power Drift = -0.06 dB

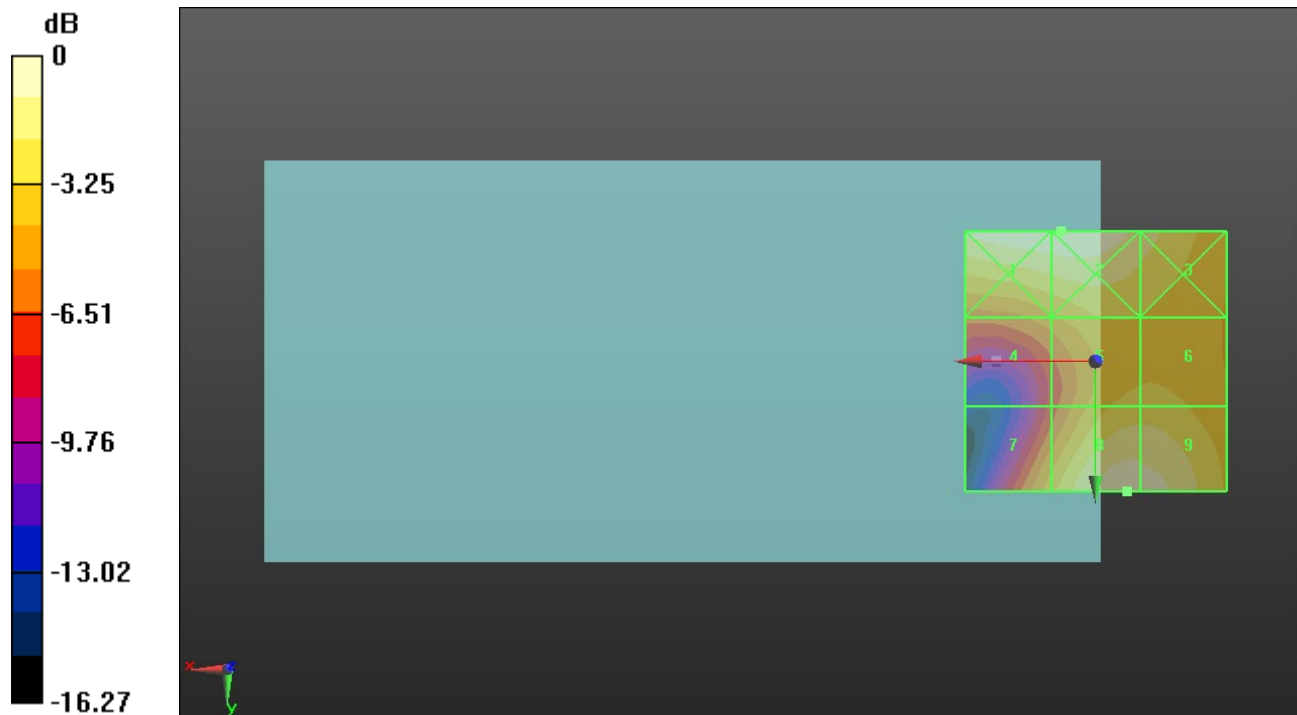
Applied MIF = 3.63 dB

RF audio interference level = 29.67 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 29.95 dBV/m	Grid 2 M4 29.99 dBV/m	Grid 3 M4 28.52 dBV/m
Grid 4 M4 25.38 dBV/m	Grid 5 M4 27.26 dBV/m	Grid 6 M4 27.29 dBV/m
Grid 7 M4 26.41 dBV/m	Grid 8 M4 29.67 dBV/m	Grid 9 M4 29.57 dBV/m



0 dB = 31.58 V/m = 29.99 dBV/m

HAC-RF Emission ANT3

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

Phantom section: RF Section

DASY5 Configuration:

- Probe: EF3DV3 - SN4028; ConvF(1, 1, 1) @ 1880 MHz; Calibrated: 8/13/2021
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1434; Calibrated: 11/11/2021
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7495)

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 = 19.37 V/m; Power Drift = 0.01 dB

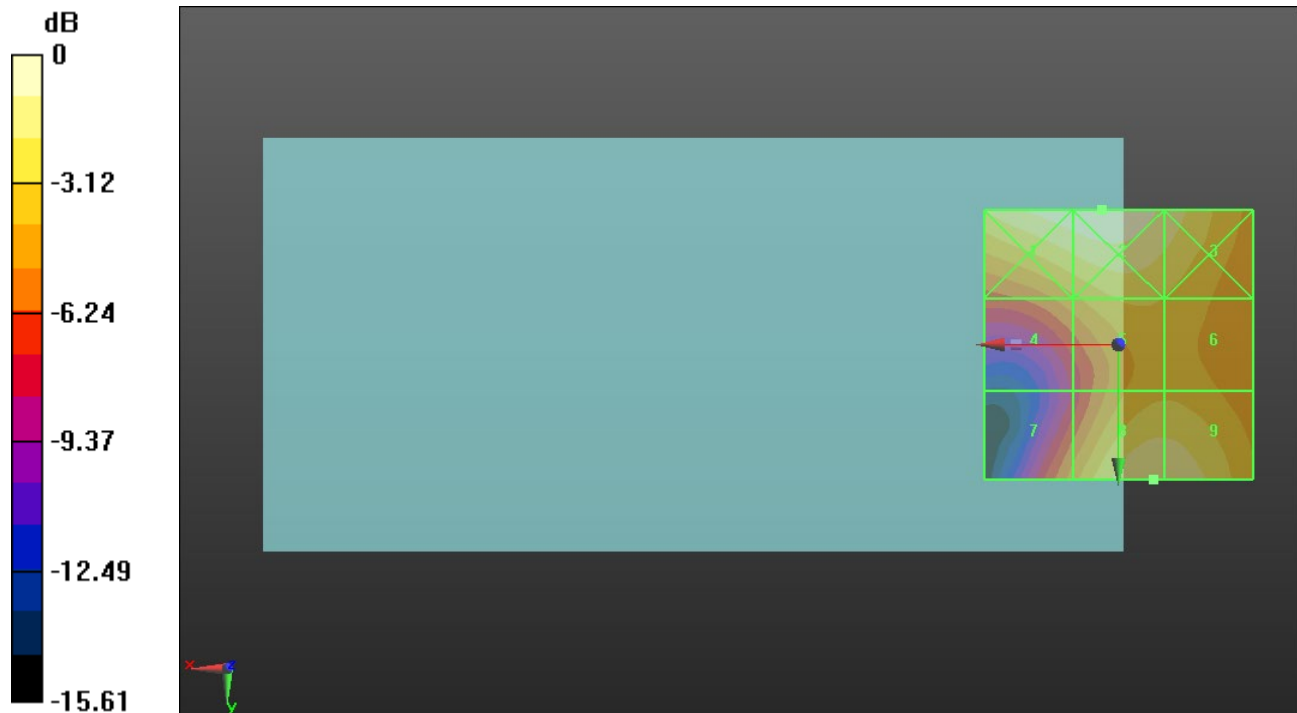
Applied MIF = 3.63 dB

RF audio interference level = 30.13 dBV/m

Emission category: M3

MIF scaled E-field

Grid 1 M3 30.96 dBV/m	Grid 2 M3 31.19 dBV/m	Grid 3 M4 29.89 dBV/m
Grid 4 M4 26.74 dBV/m	Grid 5 M4 28.3 dBV/m	Grid 6 M4 28.03 dBV/m
Grid 7 M4 26.56 dBV/m	Grid 8 M3 30.13 dBV/m	Grid 9 M3 30.05 dBV/m



0 dB = 36.26 V/m = 31.19 dBV/m

HAC-RF Emission ANT3

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

Phantom section: RF Section

DASY5 Configuration:

- Probe: EF3DV3 - SN4028; ConvF(1, 1, 1) @ 1909.8 MHz; Calibrated: 8/13/2021
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1434; Calibrated: 11/11/2021
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7495)

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 = 22.20 V/m; Power Drift = -0.07 dB

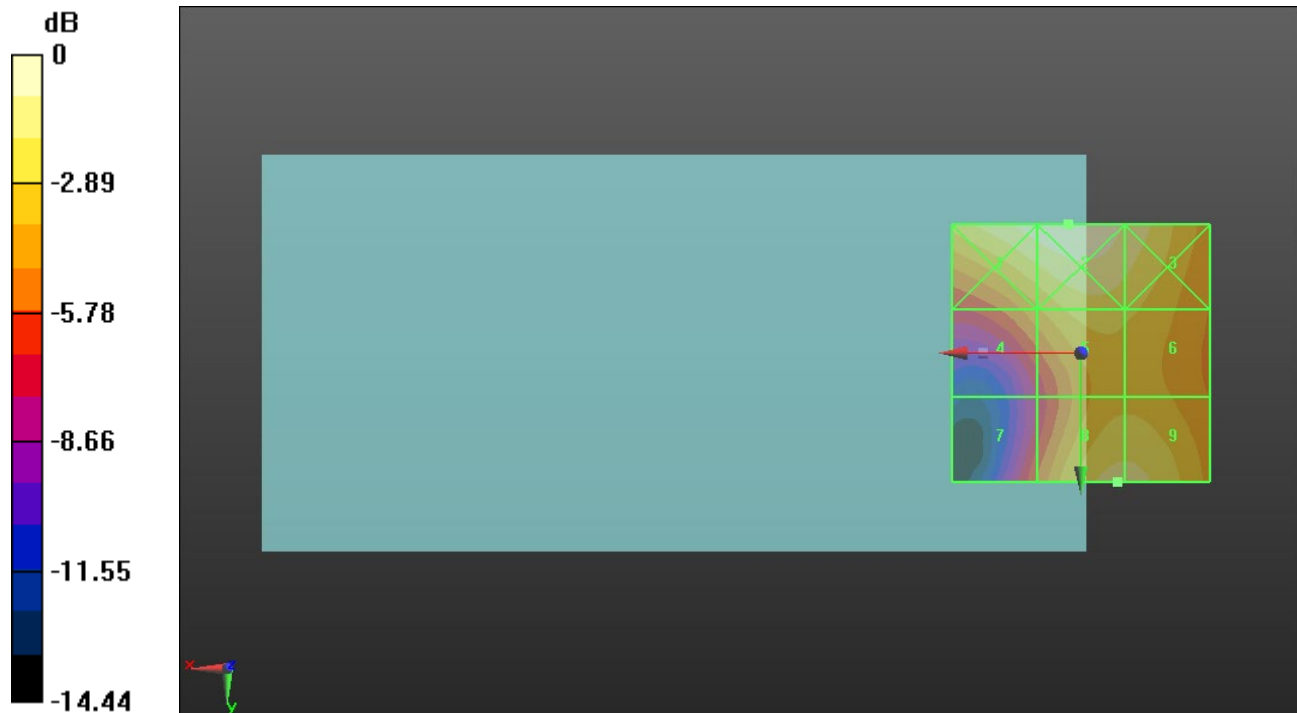
Applied MIF = 3.63 dB

RF audio interference level = 30.04 dBV/m

Emission category: M3

MIF scaled E-field

Grid 1 M3 31.16 dBV/m	Grid 2 M3 31.56 dBV/m	Grid 3 M3 30.56 dBV/m
Grid 4 M4 27.54 dBV/m	Grid 5 M4 29.26 dBV/m	Grid 6 M4 28.96 dBV/m
Grid 7 M4 25.98 dBV/m	Grid 8 M3 30.04 dBV/m	Grid 9 M3 30 dBV/m



0 dB = 37.85 V/m = 31.56 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 - SN4028; ConvF(1, 1, 1) @ 2506 MHz; Calibrated: 8/13/2021
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1434; Calibrated: 11/11/2021
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7495)

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 = 17.60 V/m; Power Drift = 0.02 dB

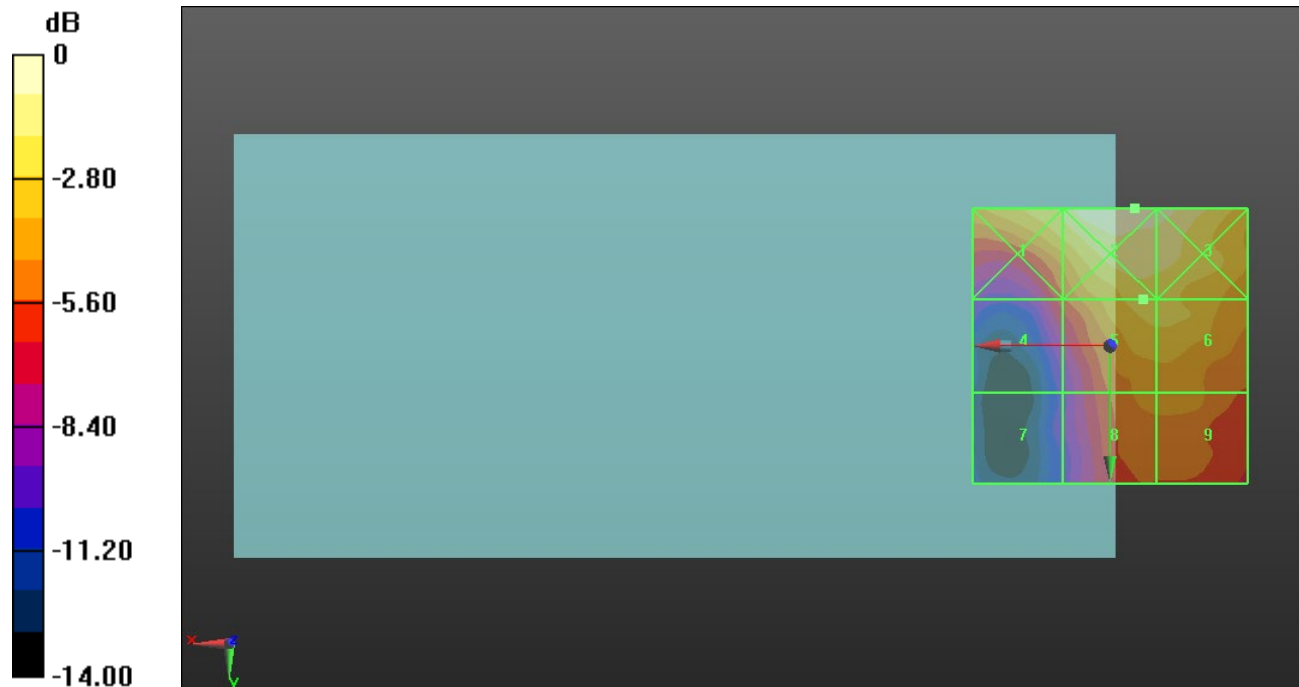
Applied MIF = -1.44 dB

RF audio interference level = 23.08 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 23.85 dBV/m	Grid 2 M4 25.47 dBV/m	Grid 3 M4 25.08 dBV/m
Grid 4 M4 19.6 dBV/m	Grid 5 M4 23.08 dBV/m	Grid 6 M4 22.96 dBV/m
Grid 7 M4 16.21 dBV/m	Grid 8 M4 21.33 dBV/m	Grid 9 M4 21.43 dBV/m



0 dB = 18.77 V/m = 25.47 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 - SN4028; ConvF(1, 1, 1) @ 2549.5 MHz; Calibrated: 8/13/2021
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1434; Calibrated: 11/11/2021
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7495)

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 = 15.14 V/m; Power Drift = -0.10 dB

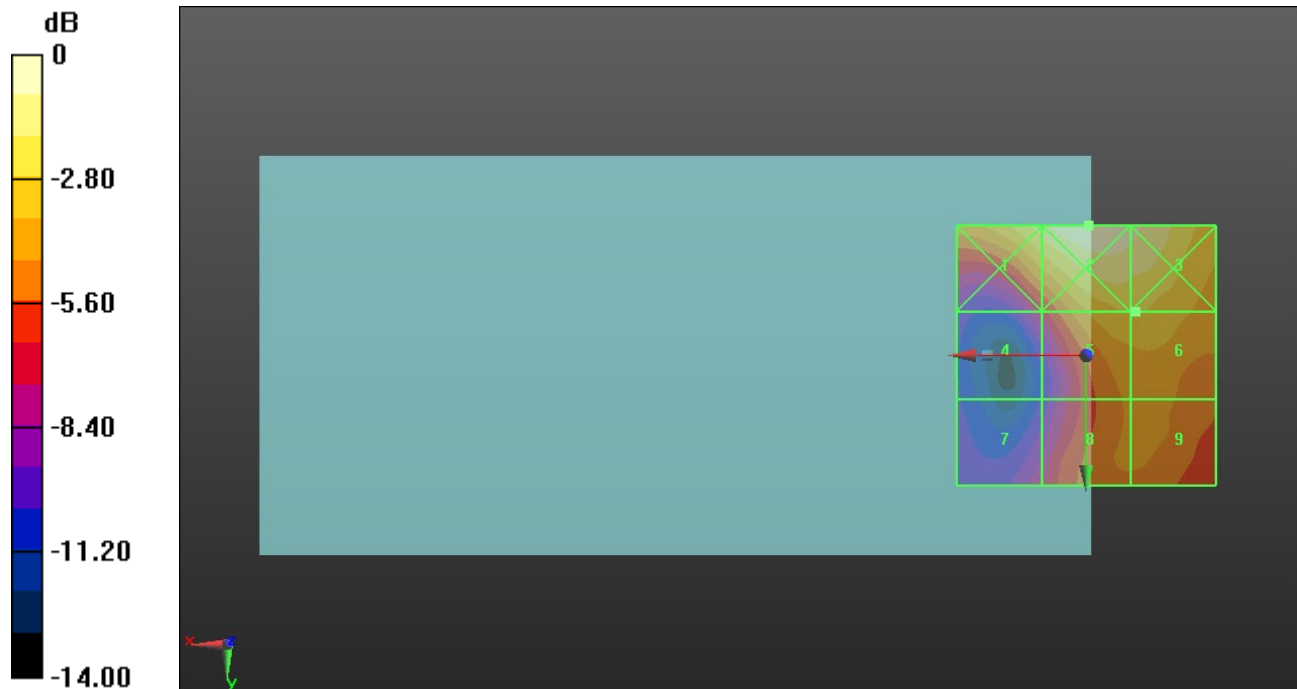
Applied MIF = -1.44 dB

RF audio interference level = 22.66 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 24.03 dBV/m	Grid 2 M4 25.36 dBV/m	Grid 3 M4 24.7 dBV/m
Grid 4 M4 18.43 dBV/m	Grid 5 M4 22.64 dBV/m	Grid 6 M4 22.66 dBV/m
Grid 7 M4 17.75 dBV/m	Grid 8 M4 20.92 dBV/m	Grid 9 M4 21.08 dBV/m



0 dB = 18.54 V/m = 25.36 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 - SN4028; ConvF(1, 1, 1) @ 2593 MHz; Calibrated: 8/13/2021
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1434; Calibrated: 11/11/2021
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.10 (4);SEMCAD X Version 14.6.14 (7495)

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 = 14.67 V/m; Power Drift = -0.07 dB

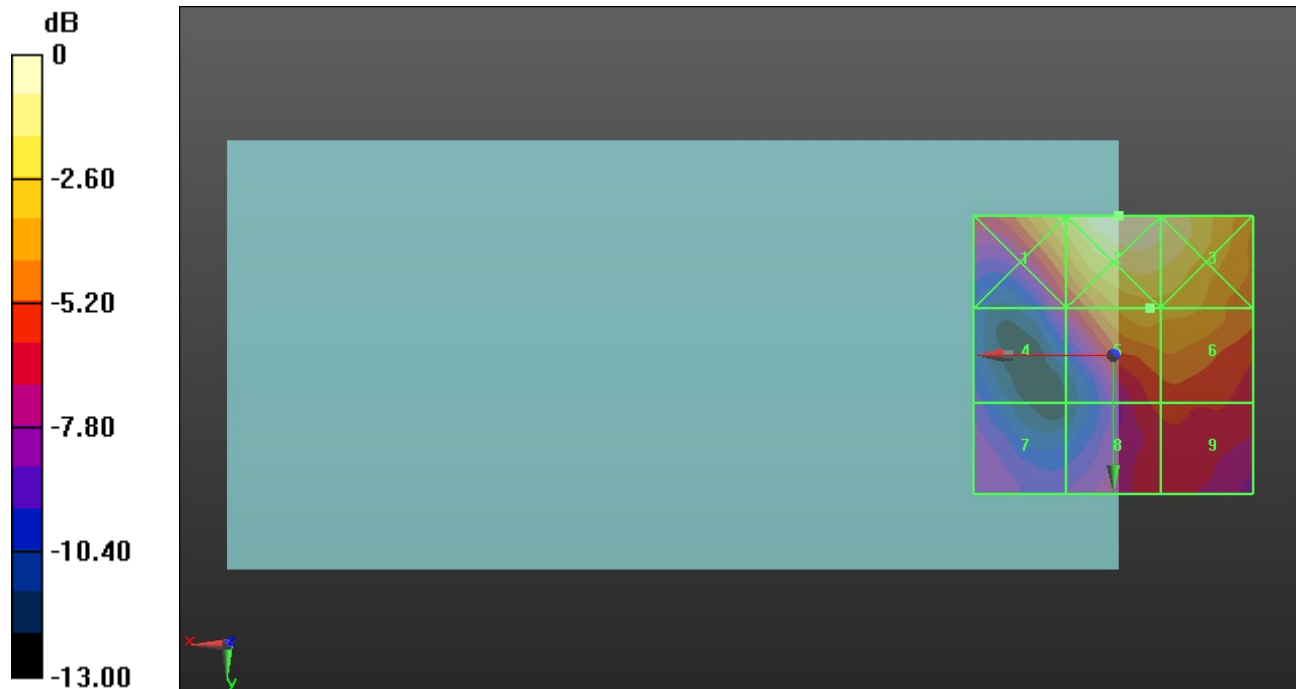
Applied MIF = -1.44 dB

RF audio interference level = 22.85 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 23.8 dBV/m	Grid 2 M4 25.76 dBV/m	Grid 3 M4 25.04 dBV/m
Grid 4 M4 18.95 dBV/m	Grid 5 M4 22.85 dBV/m	Grid 6 M4 22.79 dBV/m
Grid 7 M4 17.82 dBV/m	Grid 8 M4 20 dBV/m	Grid 9 M4 20.15 dBV/m



0 dB = 19.41 V/m = 25.76 dBV/m

HAC-RF Emission ANT3

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

Phantom section: RF Section

DASY5 Configuration:

- Probe: EF3DV3 - SN4028; ConvF(1, 1, 1) @ 2636.5 MHz; Calibrated: 8/13/2021
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1434; Calibrated: 11/11/2021
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7495)

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 = 16.93 V/m; Power Drift = 0.19 dB

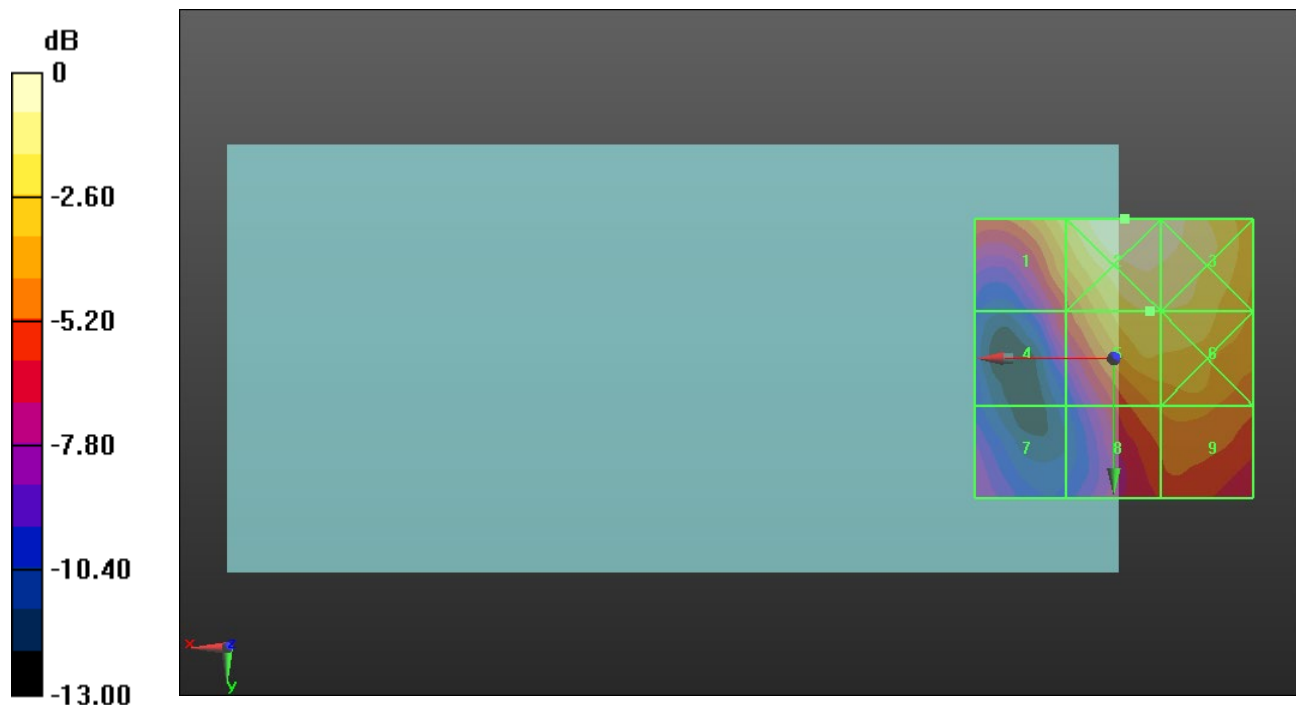
Applied MIF = -1.44 dB

RF audio interference level = 23.23 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 22.94 dBV/m	Grid 2 M4 24.91 dBV/m	Grid 3 M4 24.85 dBV/m
Grid 4 M4 19.26 dBV/m	Grid 5 M4 23.23 dBV/m	Grid 6 M4 23.19 dBV/m
Grid 7 M4 17.1 dBV/m	Grid 8 M4 20.77 dBV/m	Grid 9 M4 21.01 dBV/m



0 dB = 17.60 V/m = 24.91 dBV/m

HAC-RF Emission ANT3

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

Phantom section: RF Section

DASY5 Configuration:

- Probe: EF3DV3 - SN4028; ConvF(1, 1, 1) @ 2680 MHz; Calibrated: 8/13/2021
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1434; Calibrated: 11/11/2021
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7495)

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 = 19.29 V/m; Power Drift = -0.14 dB

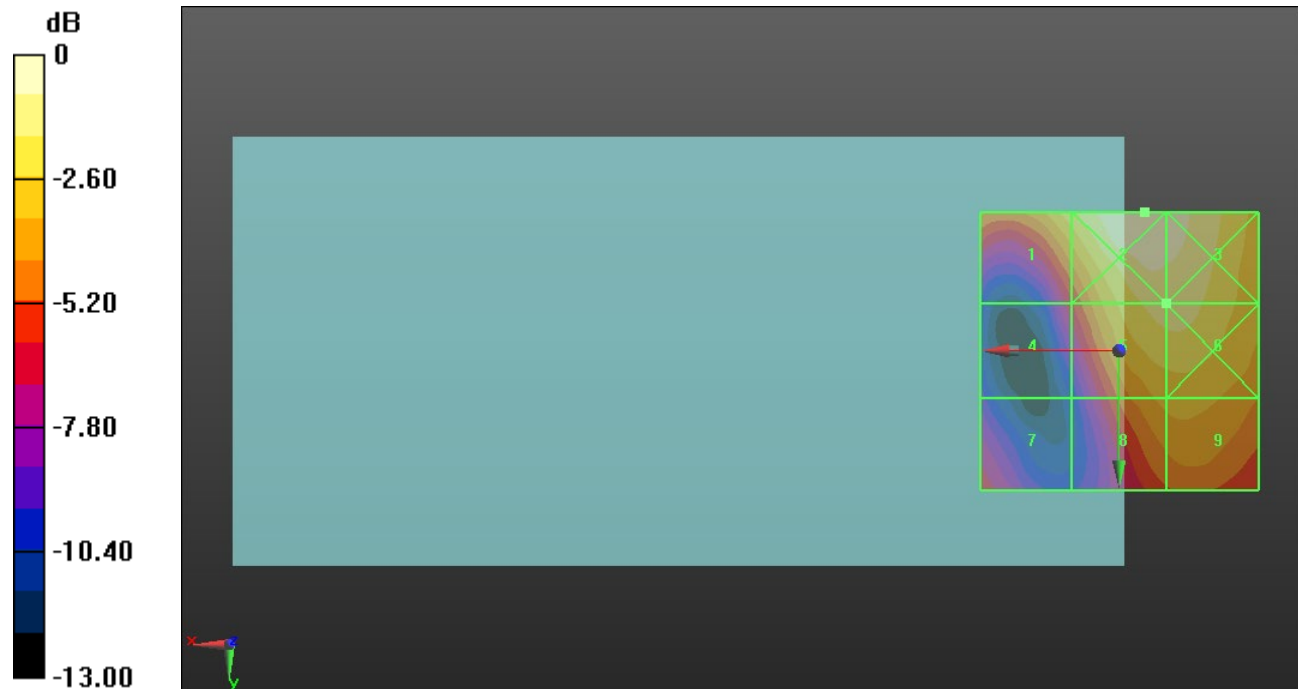
Applied MIF = -1.44 dB

RF audio interference level = 23.54 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 23.03 dBV/m	Grid 2 M4 24.98 dBV/m	Grid 3 M4 24.69 dBV/m
Grid 4 M4 18.81 dBV/m	Grid 5 M4 23.54 dBV/m	Grid 6 M4 23.54 dBV/m
Grid 7 M4 18.58 dBV/m	Grid 8 M4 21.83 dBV/m	Grid 9 M4 22 dBV/m



0 dB = 17.74 V/m = 24.98 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 - SN4028; ConvF(1, 1, 1) @ 2506 MHz; Calibrated: 8/13/2021
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1434; Calibrated: 11/11/2021
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7495)

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

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

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 22.52 V/m; Power Drift = 0.11 dB

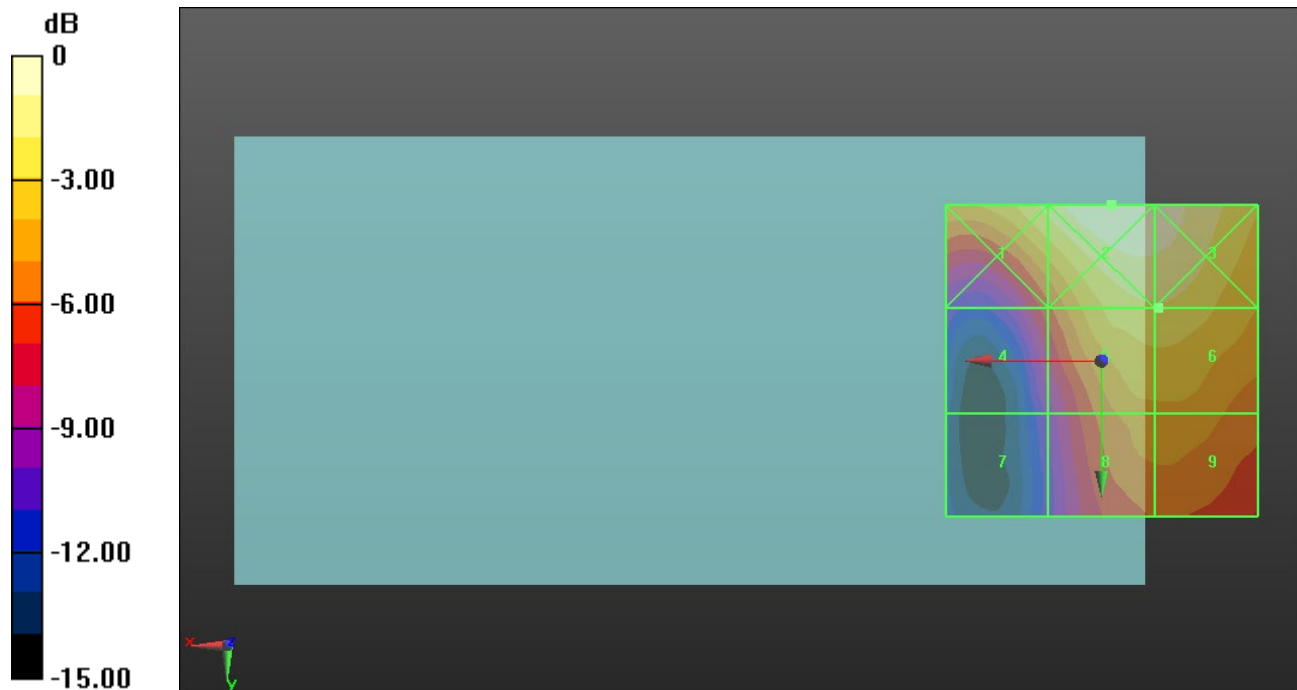
Applied MIF = -1.44 dB

RF audio interference level = 25.75 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 26.32 dBV/m	Grid 2 M4 27.86 dBV/m	Grid 3 M4 27.5 dBV/m
Grid 4 M4 21.63 dBV/m	Grid 5 M4 25.75 dBV/m	Grid 6 M4 25.75 dBV/m
Grid 7 M4 18.26 dBV/m	Grid 8 M4 23.58 dBV/m	Grid 9 M4 23.67 dBV/m



0 dB = 24.73 V/m = 27.86 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 - SN4028; ConvF(1, 1, 1) @ 2549.5 MHz; Calibrated: 8/13/2021
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1434; Calibrated: 11/11/2021
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7495)

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 = 21.32 V/m; Power Drift = -0.02 dB

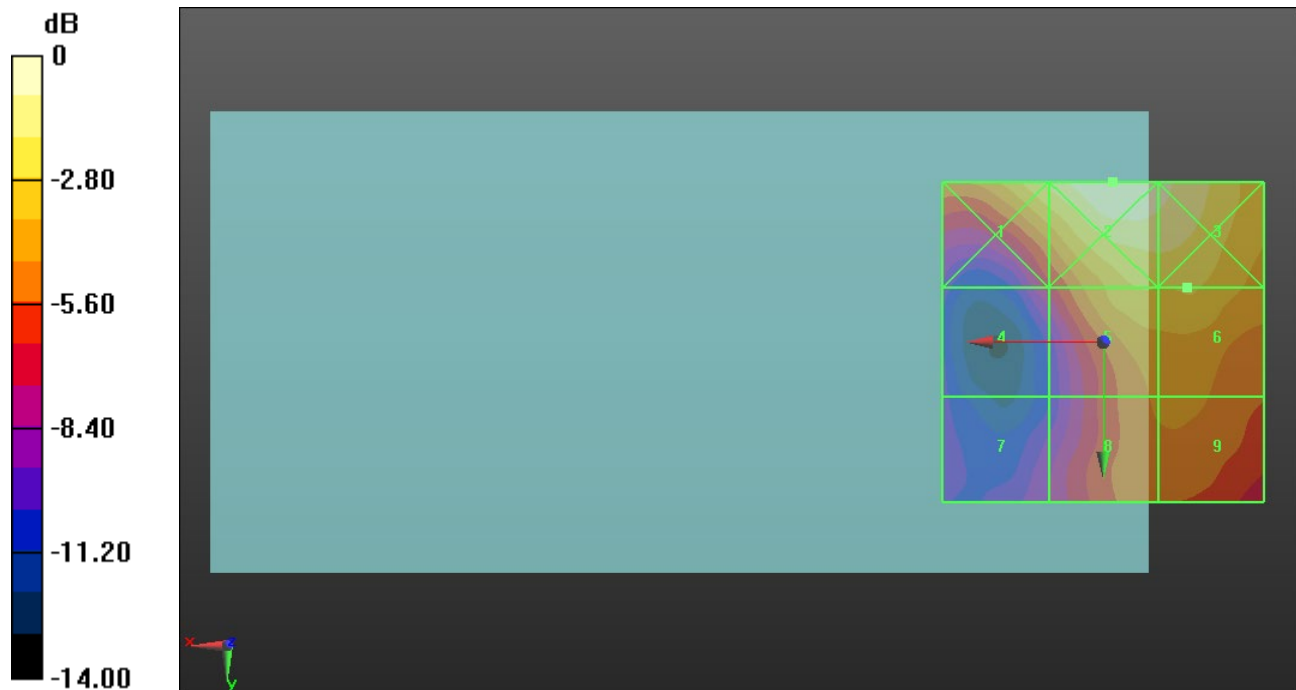
Applied MIF = -1.44 dB

RF audio interference level = 25.86 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 26.97 dBV/m	Grid 2 M4 28.57 dBV/m	Grid 3 M4 27.94 dBV/m
Grid 4 M4 21.56 dBV/m	Grid 5 M4 25.83 dBV/m	Grid 6 M4 25.86 dBV/m
Grid 7 M4 20.25 dBV/m	Grid 8 M4 24.11 dBV/m	Grid 9 M4 24.27 dBV/m



0 dB = 26.81 V/m = 28.57 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 - SN4028; ConvF(1, 1, 1) @ 2593 MHz; Calibrated: 8/13/2021
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1434; Calibrated: 11/11/2021
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7495)

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

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

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 21.65 V/m; Power Drift = -0.16 dB

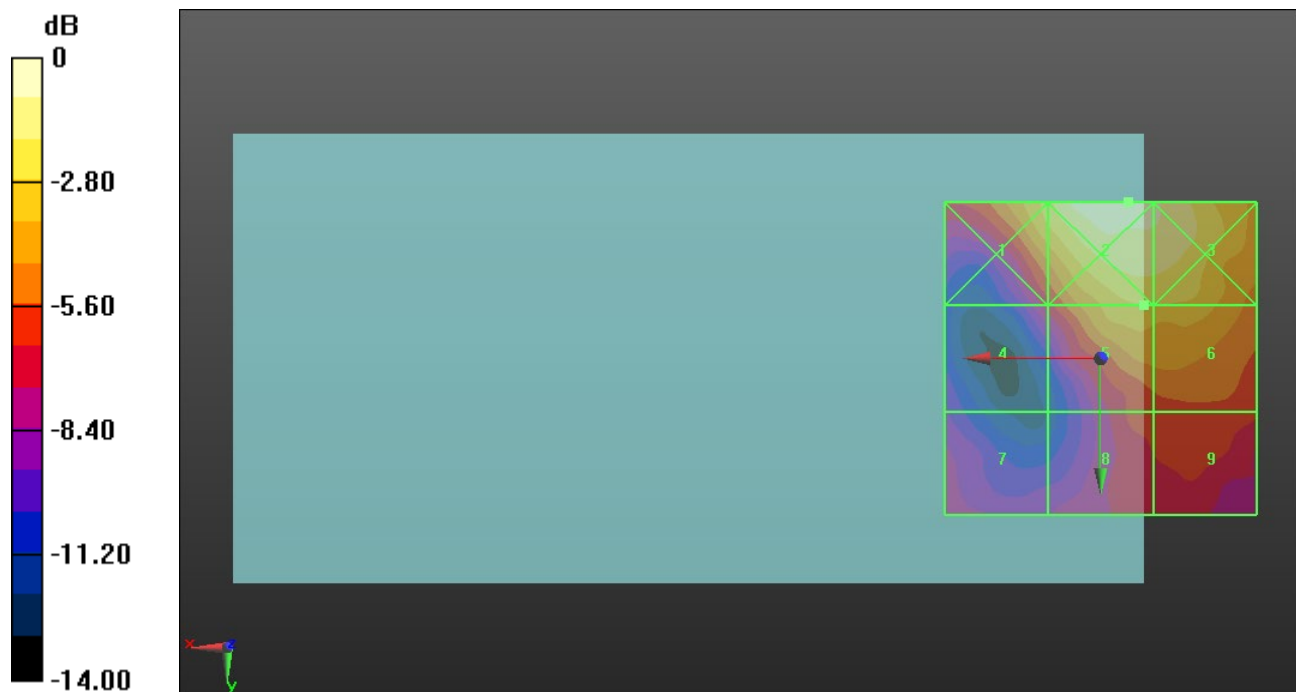
Applied MIF = -1.44 dB

RF audio interference level = 26.04 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 26.57 dBV/m	Grid 2 M4 28.86 dBV/m	Grid 3 M4 28.15 dBV/m
Grid 4 M4 21.86 dBV/m	Grid 5 M4 26.04 dBV/m	Grid 6 M4 26.03 dBV/m
Grid 7 M4 20.89 dBV/m	Grid 8 M4 22.74 dBV/m	Grid 9 M4 22.96 dBV/m



0 dB = 27.72 V/m = 28.86 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 - SN4028; ConvF(1, 1, 1) @ 2636.5 MHz; Calibrated: 8/13/2021
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1434; Calibrated: 11/11/2021
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7495)

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 = 22.04 V/m; Power Drift = 0.05 dB

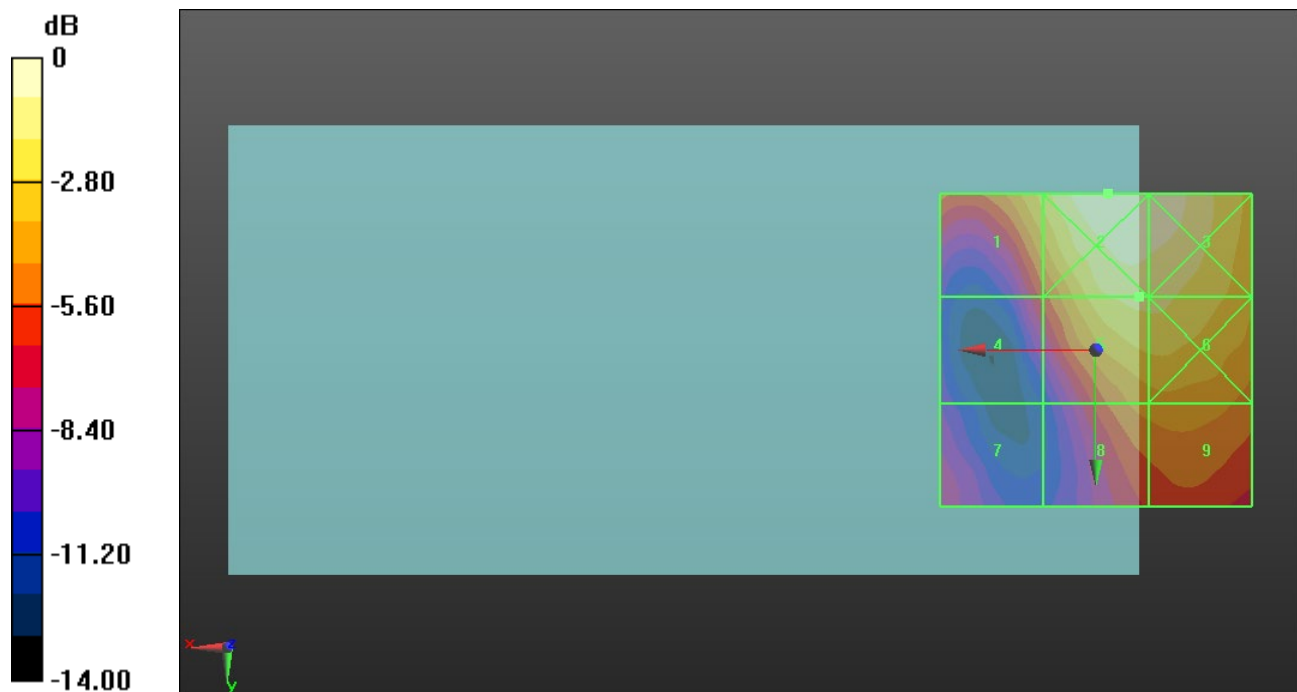
Applied MIF = -1.44 dB

RF audio interference level = 25.78 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 25.02 dBV/m	Grid 2 M4 27.4 dBV/m	Grid 3 M4 27.25 dBV/m
Grid 4 M4 21.29 dBV/m	Grid 5 M4 25.78 dBV/m	Grid 6 M4 25.74 dBV/m
Grid 7 M4 19.67 dBV/m	Grid 8 M4 23.18 dBV/m	Grid 9 M4 23.37 dBV/m



0 dB = 23.43 V/m = 27.40 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 - SN4028; ConvF(1, 1, 1) @ 2680 MHz; Calibrated: 8/13/2021
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1434; Calibrated: 11/11/2021
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7495)

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 = 25.67 V/m; Power Drift = -0.10 dB

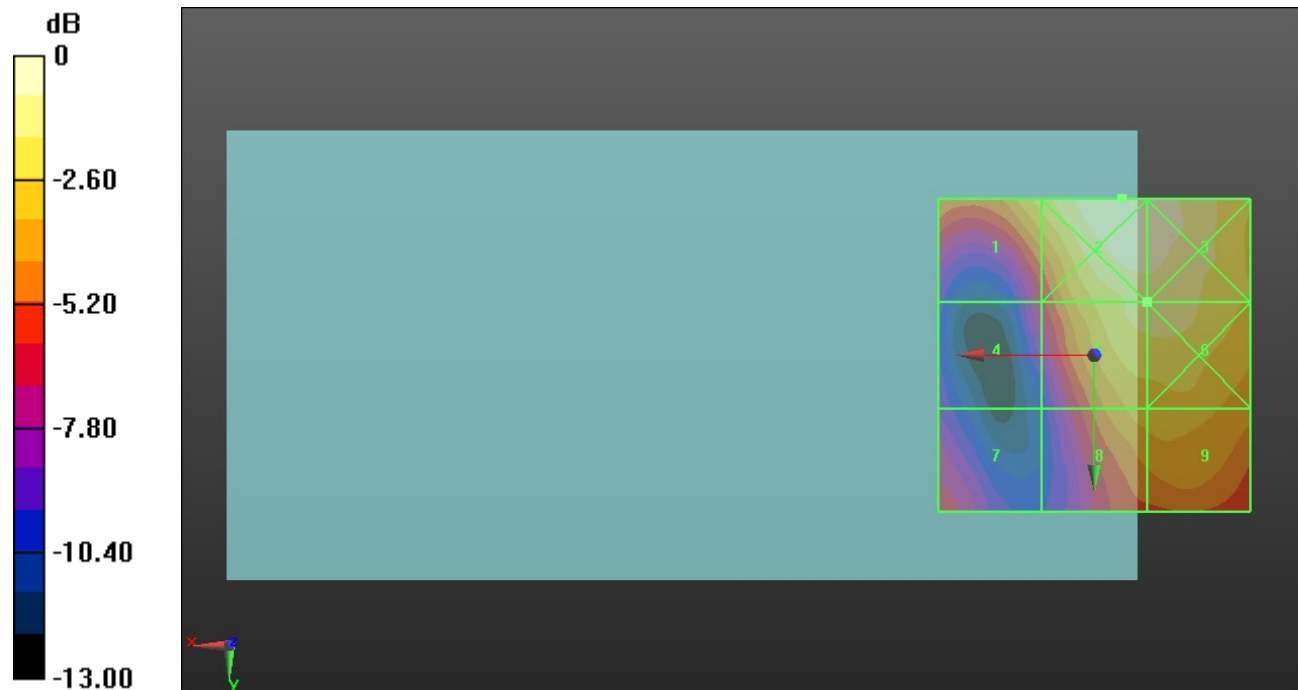
Applied MIF = -1.44 dB

RF audio interference level = 26.57 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 25.67 dBV/m	Grid 2 M4 27.82 dBV/m	Grid 3 M4 27.64 dBV/m
Grid 4 M4 21.24 dBV/m	Grid 5 M4 26.57 dBV/m	Grid 6 M4 26.64 dBV/m
Grid 7 M4 21.83 dBV/m	Grid 8 M4 24.82 dBV/m	Grid 9 M4 24.95 dBV/m



0 dB = 24.60 V/m = 27.82 dBV/m

HAC-RF Emission ANT3

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 - SN4028; ConvF(1, 1, 1) @ 2417 MHz; Calibrated: 8/13/2021
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1434; Calibrated: 11/11/2021
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7495)

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 = 11.79 V/m; Power Drift = -0.05 dB

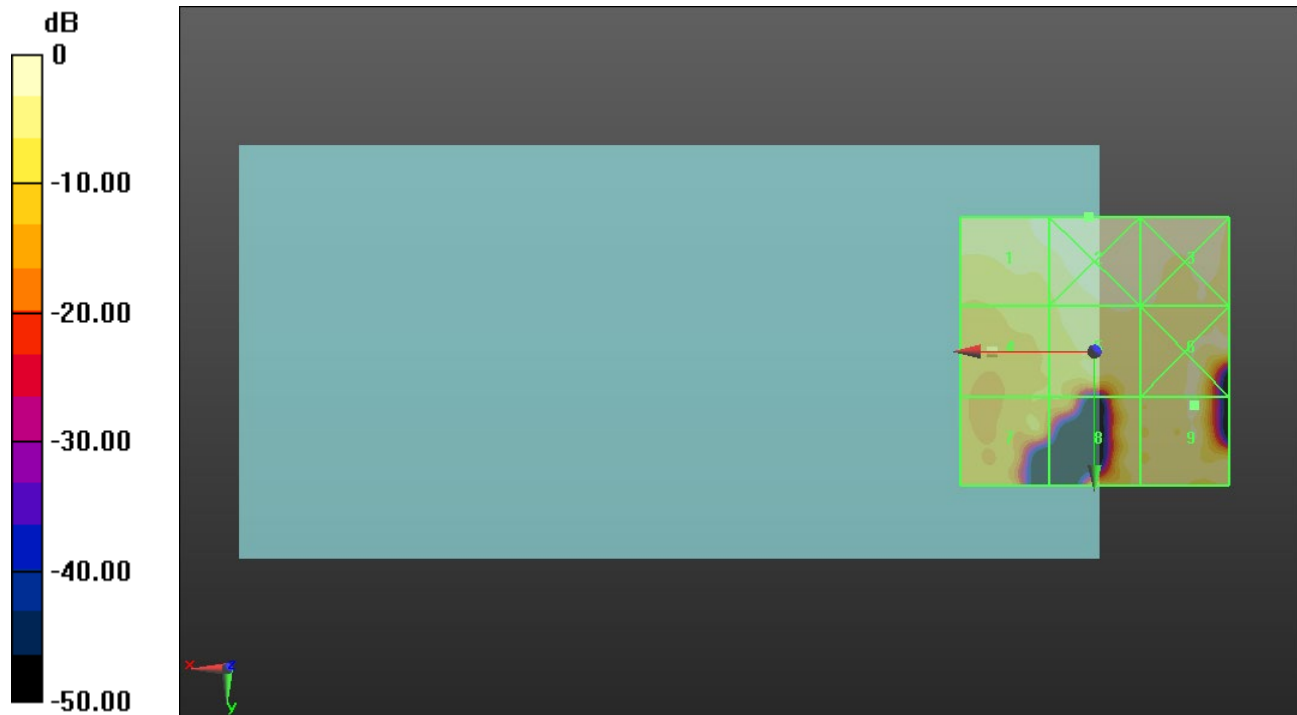
Applied MIF = -2.02 dB

RF audio interference level = 21.05 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 20.7 dBV/m	Grid 2 M4 22.35 dBV/m	Grid 3 M4 21.48 dBV/m
Grid 4 M4 14.65 dBV/m	Grid 5 M4 19.28 dBV/m	Grid 6 M4 20.83 dBV/m
Grid 7 M4 13.37 dBV/m	Grid 8 M4 18.29 dBV/m	Grid 9 M4 21.05 dBV/m



0 dB = 13.10 V/m = 22.35 dBV/m

HAC-RF Emission ANT3

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 - SN4028; ConvF(1, 1, 1) @ 2437 MHz; Calibrated: 8/13/2021
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1434; Calibrated: 11/11/2021
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7495)

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 = 11.55 V/m; Power Drift = -0.18 dB

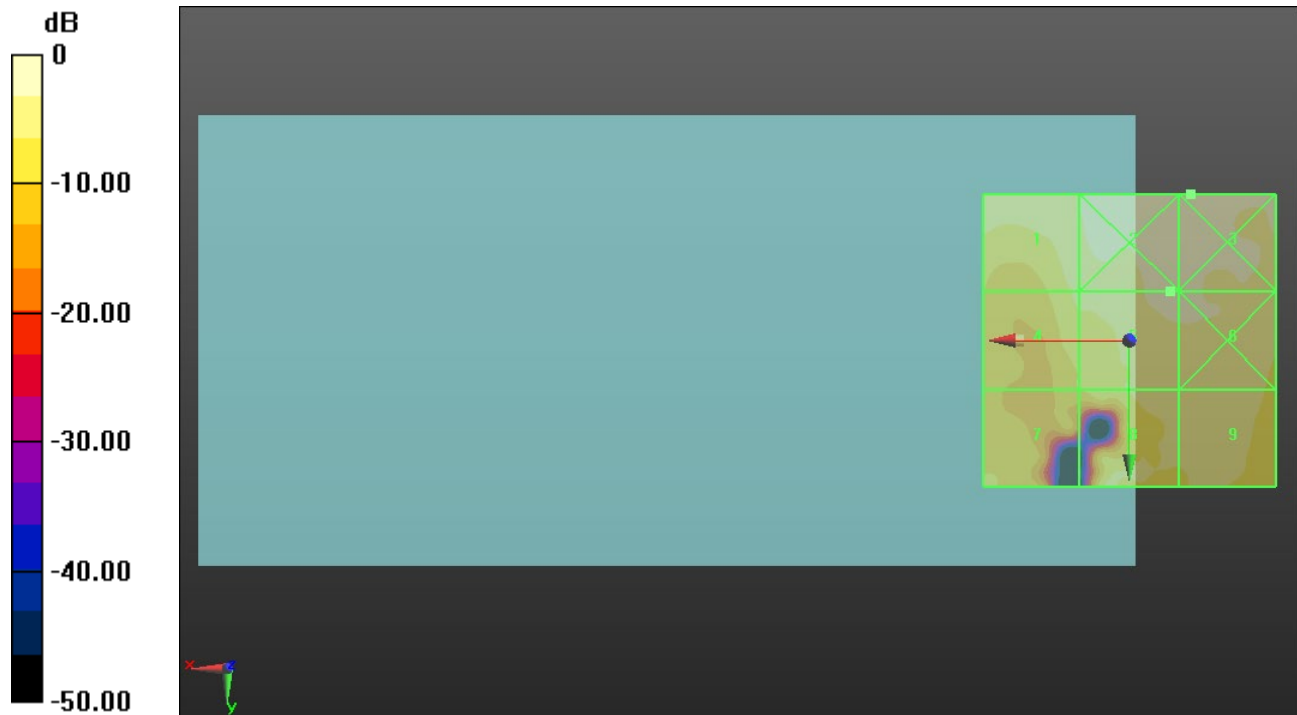
Applied MIF = -2.02 dB

RF audio interference level = 19.97 dBV/m

Emission category: **M4**

MIF scaled E-field

Grid 1 M4 18.96 dBV/m	Grid 2 M4 21.95 dBV/m	Grid 3 M4 22.19 dBV/m
Grid 4 M4 16.31 dBV/m	Grid 5 M4 19.97 dBV/m	Grid 6 M4 19.9 dBV/m
Grid 7 M4 12.63 dBV/m	Grid 8 M4 16.83 dBV/m	Grid 9 M4 16.96 dBV/m



0 dB = 12.87 V/m = 22.19 dBV/m

HAC-RF Emission ANT3

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 - SN4028; ConvF(1, 1, 1) @ 2462 MHz; Calibrated: 8/13/2021
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1434; Calibrated: 11/11/2021
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7495)

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 = 11.34 V/m; Power Drift = -0.12 dB

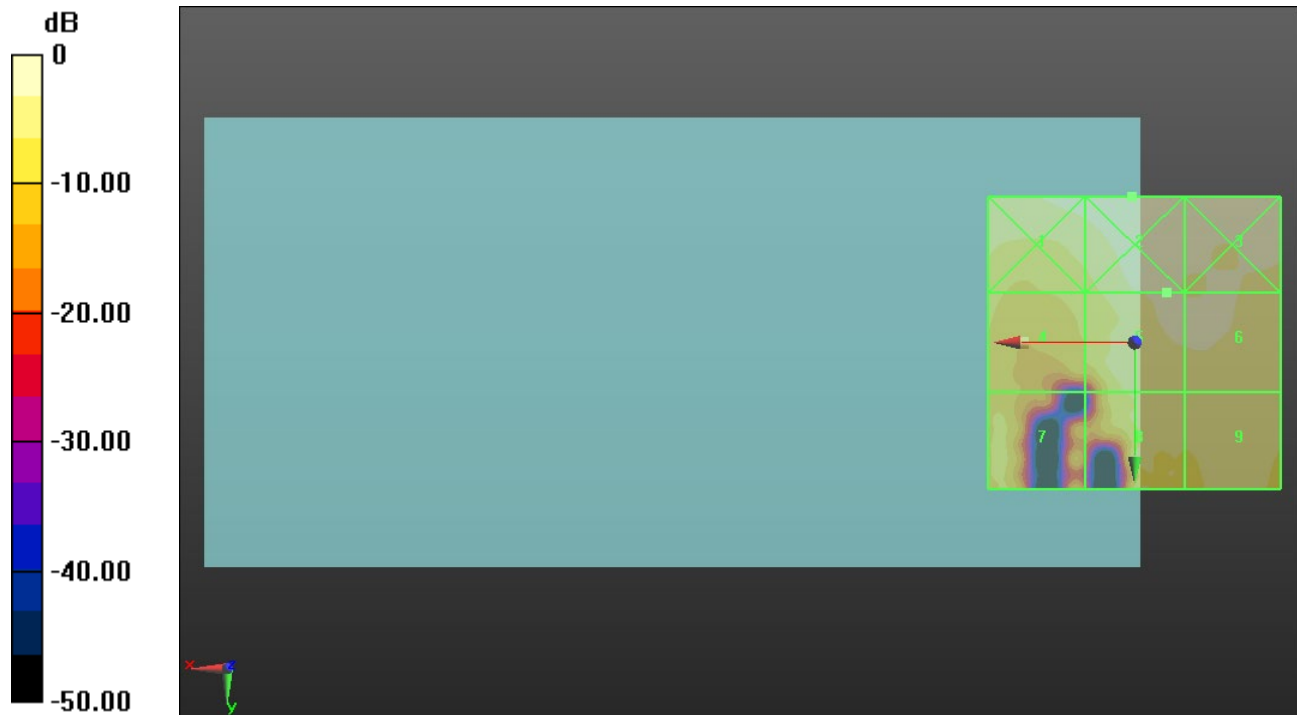
Applied MIF = -2.02 dB

RF audio interference level = 19.42 dBV/m

Emission category: **M4**

MIF scaled E-field

Grid 1 M4 20.33 dBV/m	Grid 2 M4 21.84 dBV/m	Grid 3 M4 21.57 dBV/m
Grid 4 M4 13.81 dBV/m	Grid 5 M4 19.42 dBV/m	Grid 6 M4 19.39 dBV/m
Grid 7 M4 13.53 dBV/m	Grid 8 M4 17.5 dBV/m	Grid 9 M4 17.19 dBV/m



0 dB = 12.36 V/m = 21.84 dBV/m

HAC-RF Emission ANT3

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 - SN4028; ConvF(1, 1, 1) @ 2422 MHz; Calibrated: 8/13/2021
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1434; Calibrated: 11/11/2021
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7495)

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 = 11.22 V/m; Power Drift = -0.10 dB

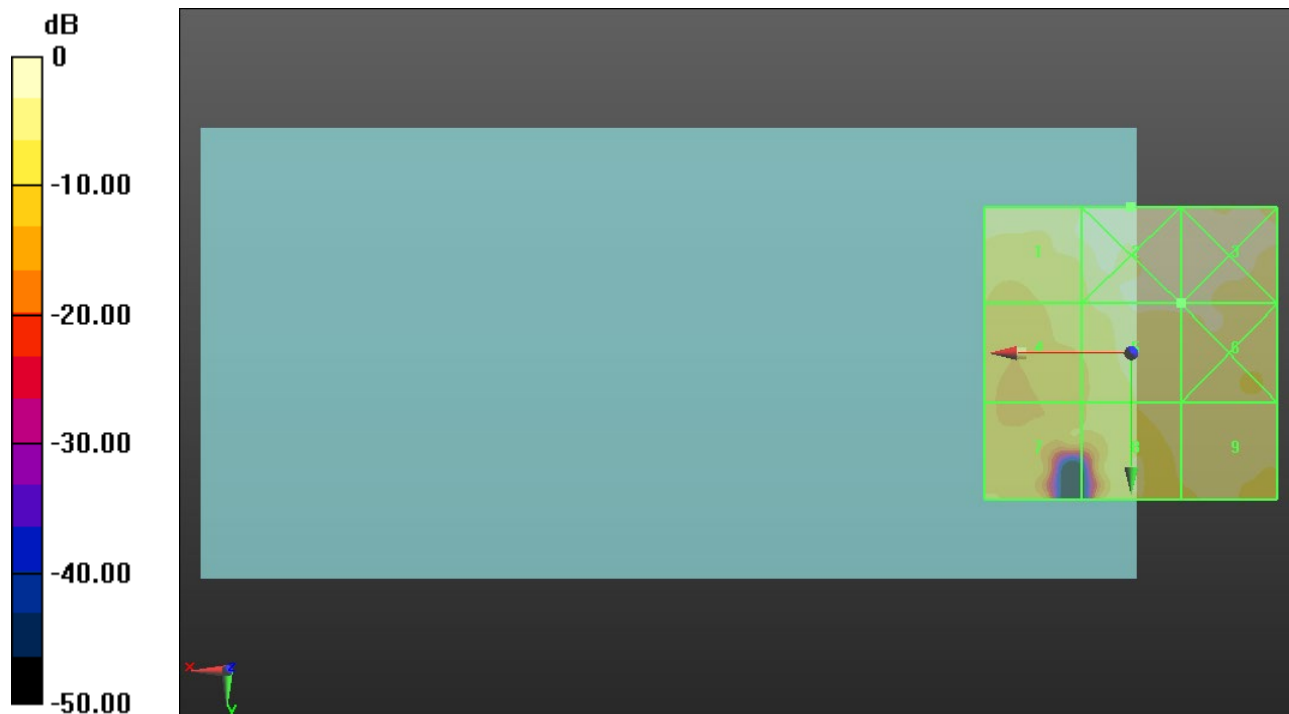
Applied MIF = 0.12 dB

RF audio interference level = 21.81 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 21.48 dBV/m	Grid 2 M4 24.39 dBV/m	Grid 3 M4 23.97 dBV/m
Grid 4 M4 16.81 dBV/m	Grid 5 M4 21.81 dBV/m	Grid 6 M4 21.86 dBV/m
Grid 7 M4 15.05 dBV/m	Grid 8 M4 18.79 dBV/m	Grid 9 M4 19.29 dBV/m



0 dB = 16.57 V/m = 24.39 dBV/m

HAC-RF Emission ANT3

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 - SN4028; ConvF(1, 1, 1) @ 2437 MHz; Calibrated: 8/13/2021
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1434; Calibrated: 11/11/2021
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7495)

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 = 11.72 V/m; Power Drift = -0.19 dB

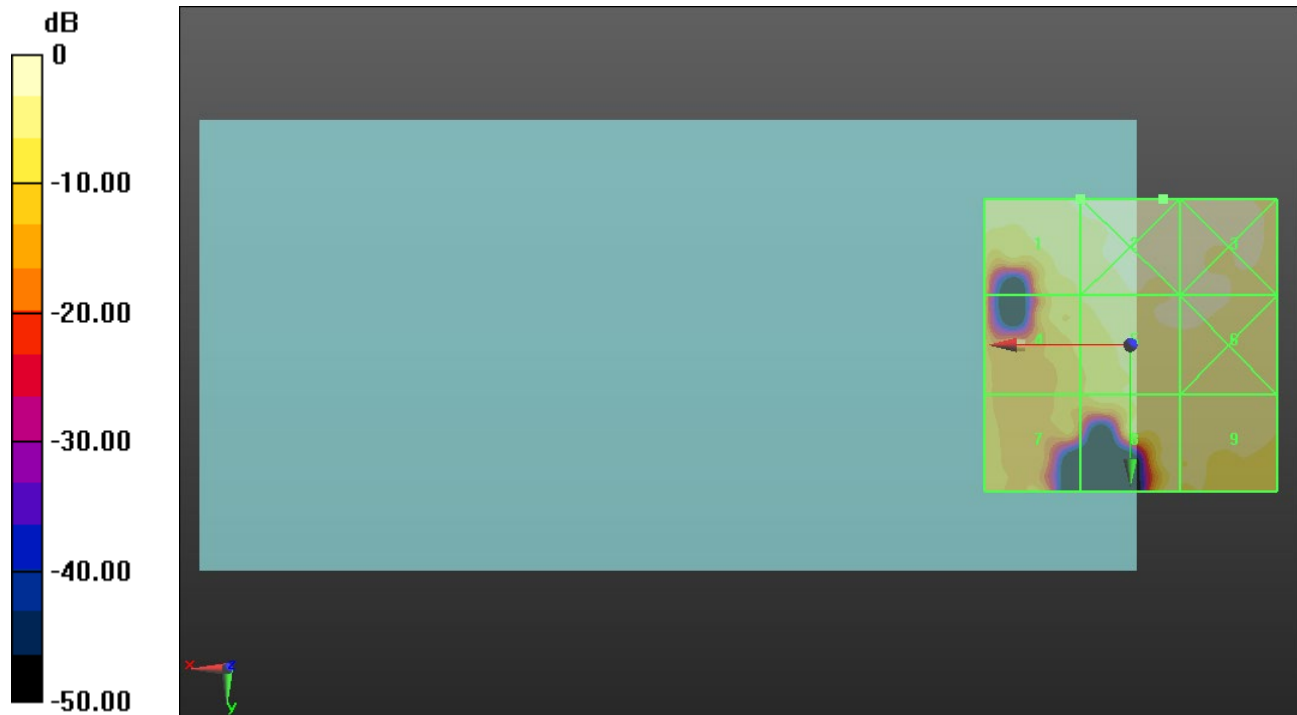
Applied MIF = 0.12 dB

RF audio interference level = 21.95 dBV/m

Emission category: **M4**

MIF scaled E-field

Grid 1 M4 21.95 dBV/m	Grid 2 M4 24.61 dBV/m	Grid 3 M4 24.41 dBV/m
Grid 4 M4 18.22 dBV/m	Grid 5 M4 21.81 dBV/m	Grid 6 M4 22.05 dBV/m
Grid 7 M4 14.18 dBV/m	Grid 8 M4 20.56 dBV/m	Grid 9 M4 19.44 dBV/m



0 dB = 17.00 V/m = 24.61 dBV/m

HAC-RF Emission ANT3

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 - SN4028; ConvF(1, 1, 1) @ 2452 MHz; Calibrated: 8/13/2021
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1434; Calibrated: 11/11/2021
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.10 (4);SEMCAD X Version 14.6.14 (7495)

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 = 11.79 V/m; Power Drift = 0.02 dB

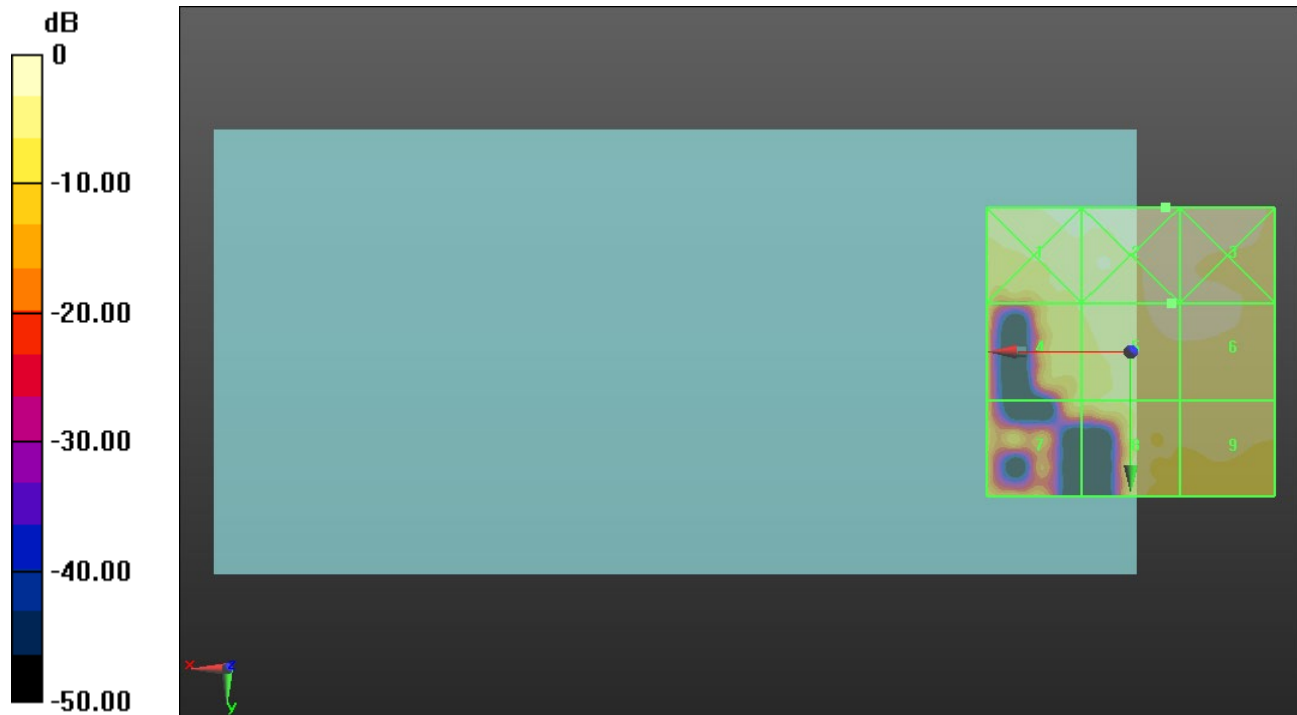
Applied MIF = 0.12 dB

RF audio interference level = 22.05 dBV/m

Emission category: **M4**

MIF scaled E-field

Grid 1 M4 22.65 dBV/m	Grid 2 M4 24.2 dBV/m	Grid 3 M4 23.98 dBV/m
Grid 4 M4 18.12 dBV/m	Grid 5 M4 22.05 dBV/m	Grid 6 M4 22 dBV/m
Grid 7 M4 15.99 dBV/m	Grid 8 M4 20.81 dBV/m	Grid 9 M4 19.06 dBV/m



0 dB = 16.21 V/m = 24.20 dBV/m

HAC-RF Emission ANT4

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

Phantom section: RF Section

DASY5 Configuration:

- Probe: EF3DV3 - SN4028; ConvF(1, 1, 1) @ 1850.2 MHz; Calibrated: 8/13/2021
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1434; Calibrated: 11/11/2021
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7495)

GSM1900 E-Field measurement/Voice_ch 512/Hearing Aid Compatibility Test

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

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 17.17 V/m; Power Drift = -0.09 dB

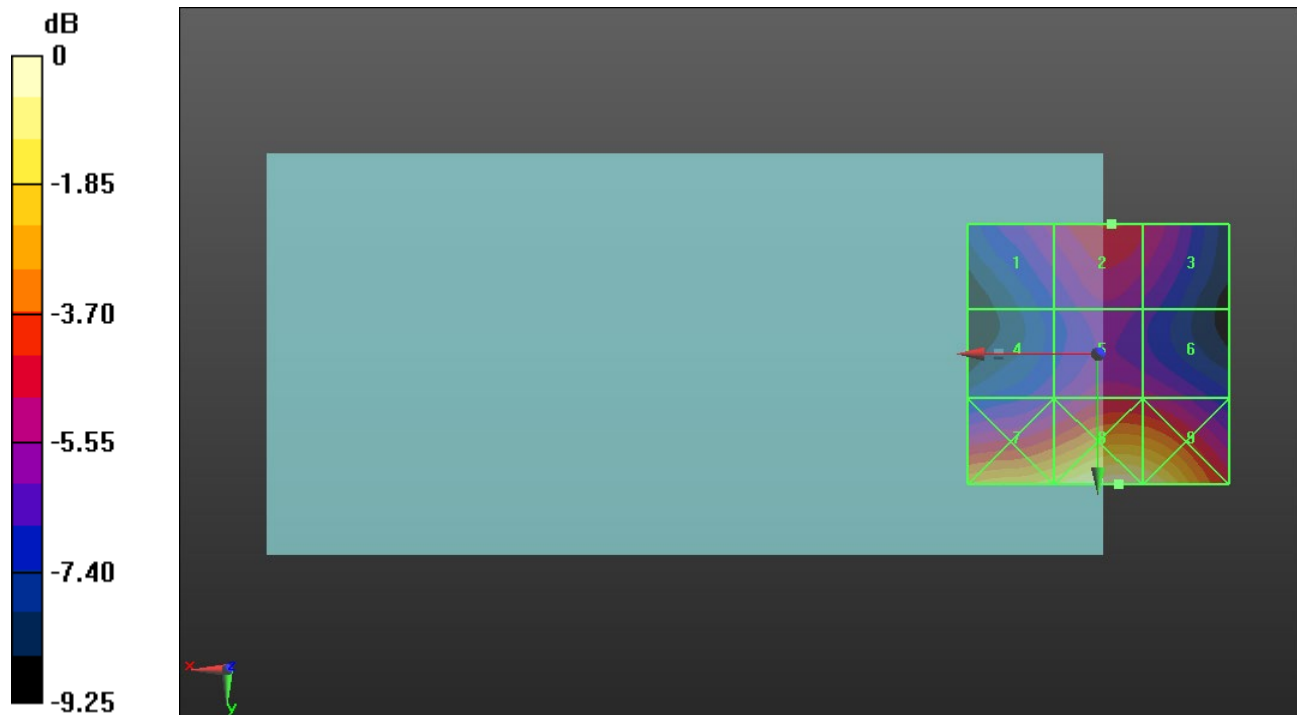
Applied MIF = 3.63 dB

RF audio interference level = 27.80 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 26.8 dBV/m	Grid 2 M4 27.8 dBV/m	Grid 3 M4 27.24 dBV/m
Grid 4 M4 25.92 dBV/m	Grid 5 M4 27.08 dBV/m	Grid 6 M4 26.88 dBV/m
Grid 7 M3 30.67 dBV/m	Grid 8 M3 32.01 dBV/m	Grid 9 M3 31.7 dBV/m



0 dB = 39.86 V/m = 32.01 dBV/m

HAC-RF Emission ANT4

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

Phantom section: RF Section

DASY5 Configuration:

- Probe: EF3DV3 - SN4028; ConvF(1, 1, 1) @ 1880 MHz; Calibrated: 8/13/2021
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1434; Calibrated: 11/11/2021
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7495)

GSM1900 E-Field measurement/Voice_ch 661/Hearing Aid Compatibility Test (101x101x1):

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

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 15.48 V/m; Power Drift = -0.15 dB

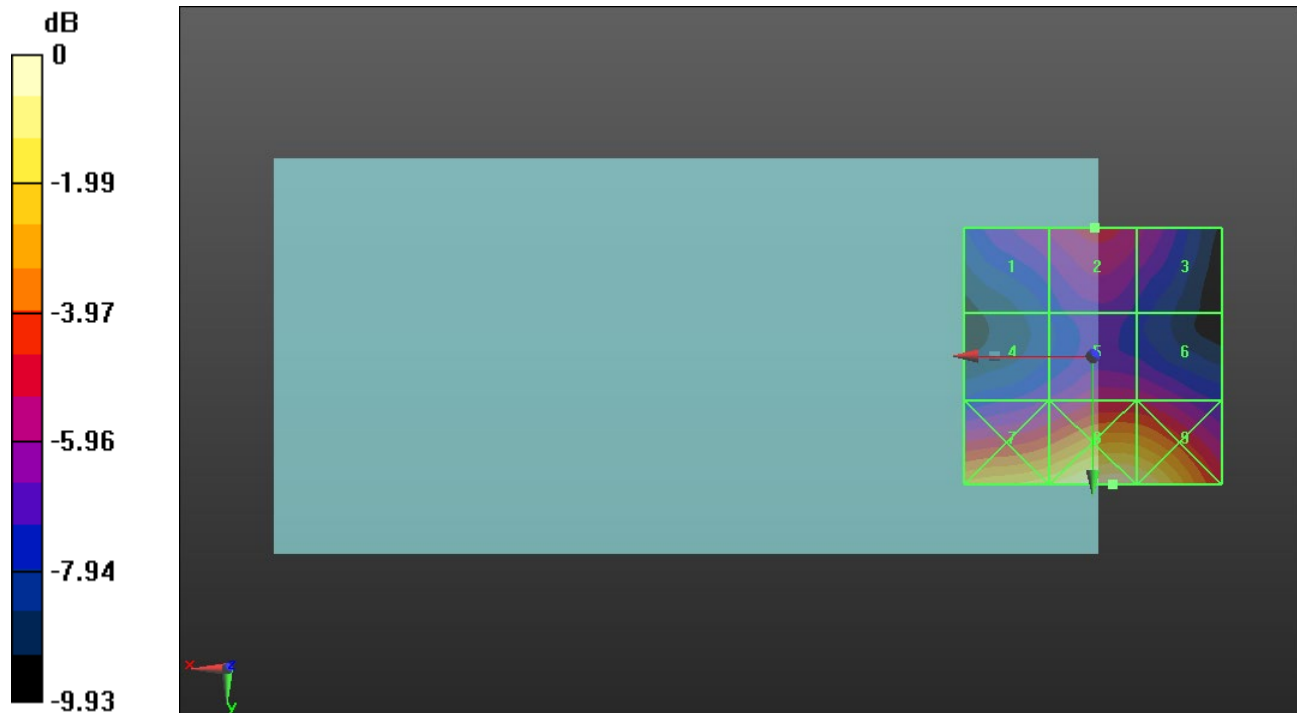
Applied MIF = 3.63 dB

RF audio interference level = 26.85 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 26.12 dBV/m	Grid 2 M4 26.85 dBV/m	Grid 3 M4 26.18 dBV/m
Grid 4 M4 25.35 dBV/m	Grid 5 M4 26.56 dBV/m	Grid 6 M4 26.47 dBV/m
Grid 7 M3 30.49 dBV/m	Grid 8 M3 31.87 dBV/m	Grid 9 M3 31.51 dBV/m



0 dB = 39.20 V/m = 31.87 dBV/m

HAC-RF Emission ANT4

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

Phantom section: RF Section

DASY5 Configuration:

- Probe: EF3DV3 - SN4028; ConvF(1, 1, 1) @ 1909.8 MHz; Calibrated: 8/13/2021
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1434; Calibrated: 11/11/2021
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.10 (4);SEMCAD X Version 14.6.14 (7495)

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 = 16.62 V/m; Power Drift = -0.04 dB

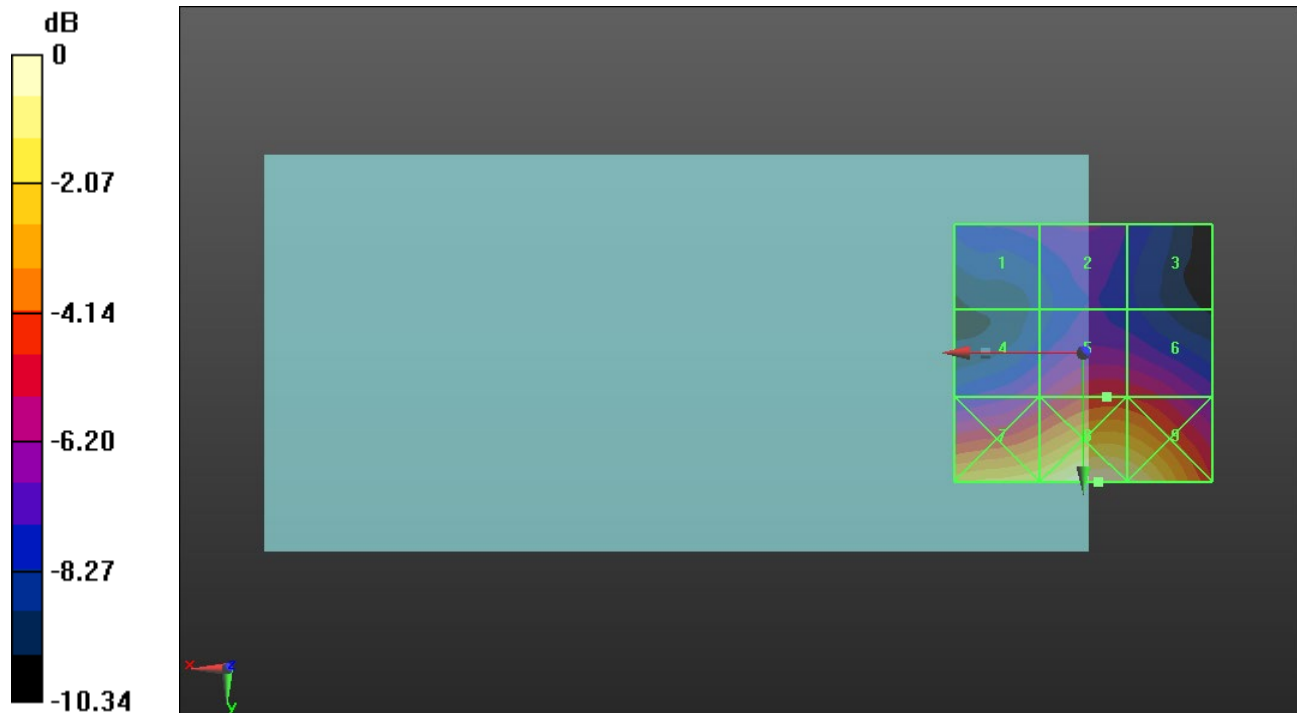
Applied MIF = 3.63 dB

RF audio interference level = 27.62 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 25.21 dBV/m	Grid 2 M4 25.58 dBV/m	Grid 3 M4 24.82 dBV/m
Grid 4 M4 26.13 dBV/m	Grid 5 M4 27.62 dBV/m	Grid 6 M4 27.47 dBV/m
Grid 7 M3 30.97 dBV/m	Grid 8 M3 32.25 dBV/m	Grid 9 M3 31.89 dBV/m



0 dB = 40.97 V/m = 32.25 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 - SN4028; ConvF(1, 1, 1) @ 2680 MHz; Calibrated: 8/13/2021
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1434; Calibrated: 11/11/2021
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7495)

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 = 19.29 V/m; Power Drift = -0.14 dB

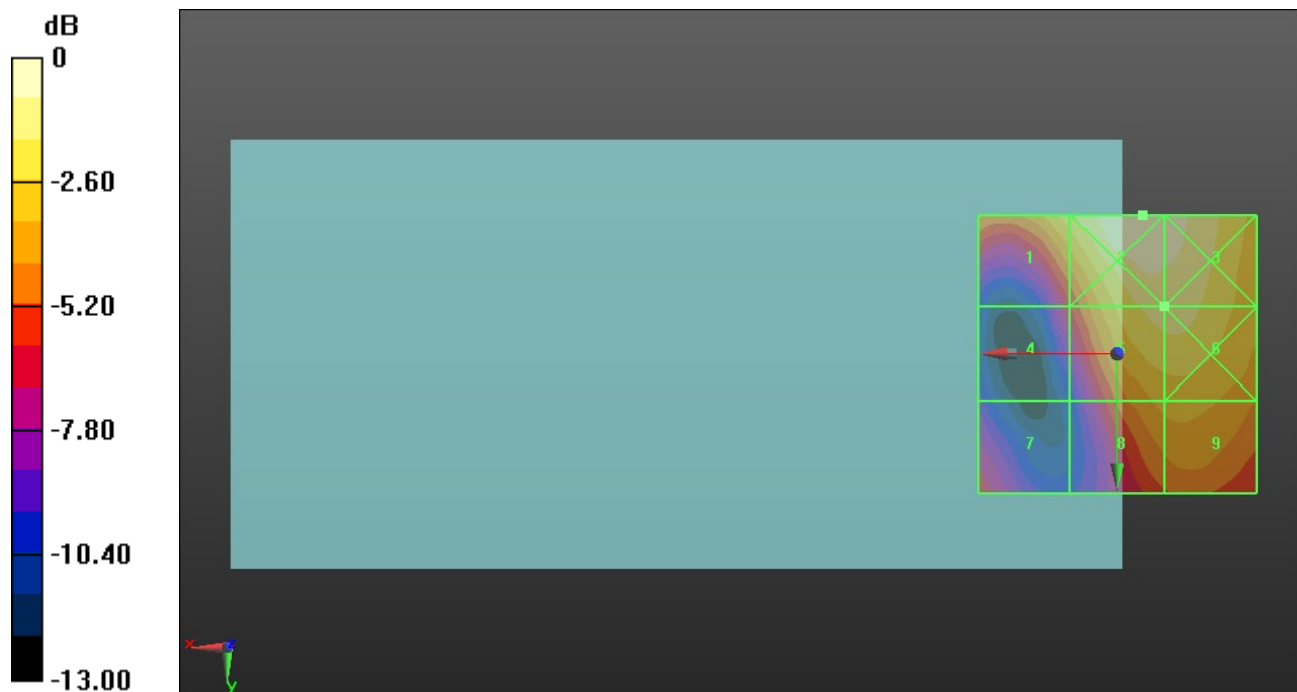
Applied MIF = -1.44 dB

RF audio interference level = 23.54 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 23.03 dBV/m	Grid 2 M4 24.98 dBV/m	Grid 3 M4 24.69 dBV/m
Grid 4 M4 18.81 dBV/m	Grid 5 M4 23.54 dBV/m	Grid 6 M4 23.54 dBV/m
Grid 7 M4 18.58 dBV/m	Grid 8 M4 21.83 dBV/m	Grid 9 M4 22 dBV/m



0 dB = 17.74 V/m = 24.98 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 - SN4028; ConvF(1, 1, 1) @ 2549.5 MHz; Calibrated: 8/13/2021
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1434; Calibrated: 11/11/2021
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7495)

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 = 5.689 V/m; Power Drift = 0.10 dB

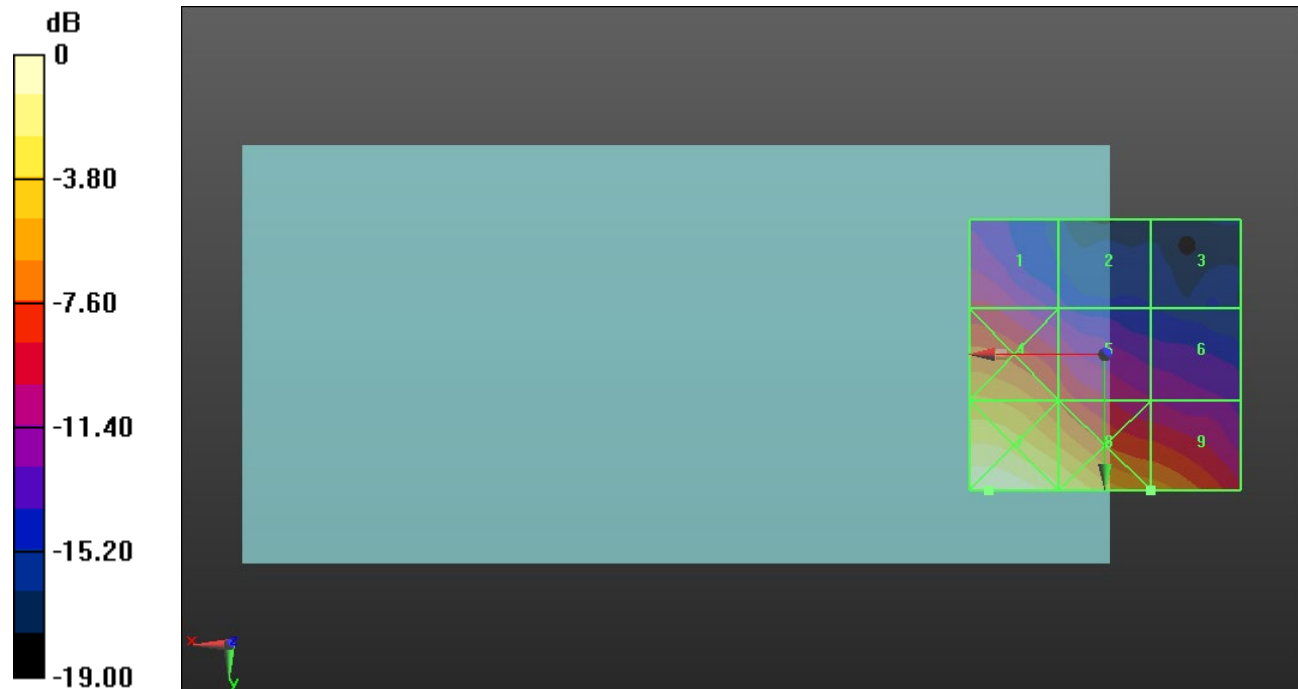
Applied MIF = -1.44 dB

RF audio interference level = 19.84 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 15.52 dBV/m	Grid 2 M4 12.07 dBV/m	Grid 3 M4 10.21 dBV/m
Grid 4 M4 20.47 dBV/m	Grid 5 M4 17.53 dBV/m	Grid 6 M4 13.96 dBV/m
Grid 7 M4 25.22 dBV/m	Grid 8 M4 23.13 dBV/m	Grid 9 M4 19.84 dBV/m



0 dB = 18.23 V/m = 25.22 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 - SN4028; ConvF(1, 1, 1) @ 2593 MHz; Calibrated: 8/13/2021
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1434; Calibrated: 11/11/2021
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7495)

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 = 4.184 V/m; Power Drift = 0.12 dB

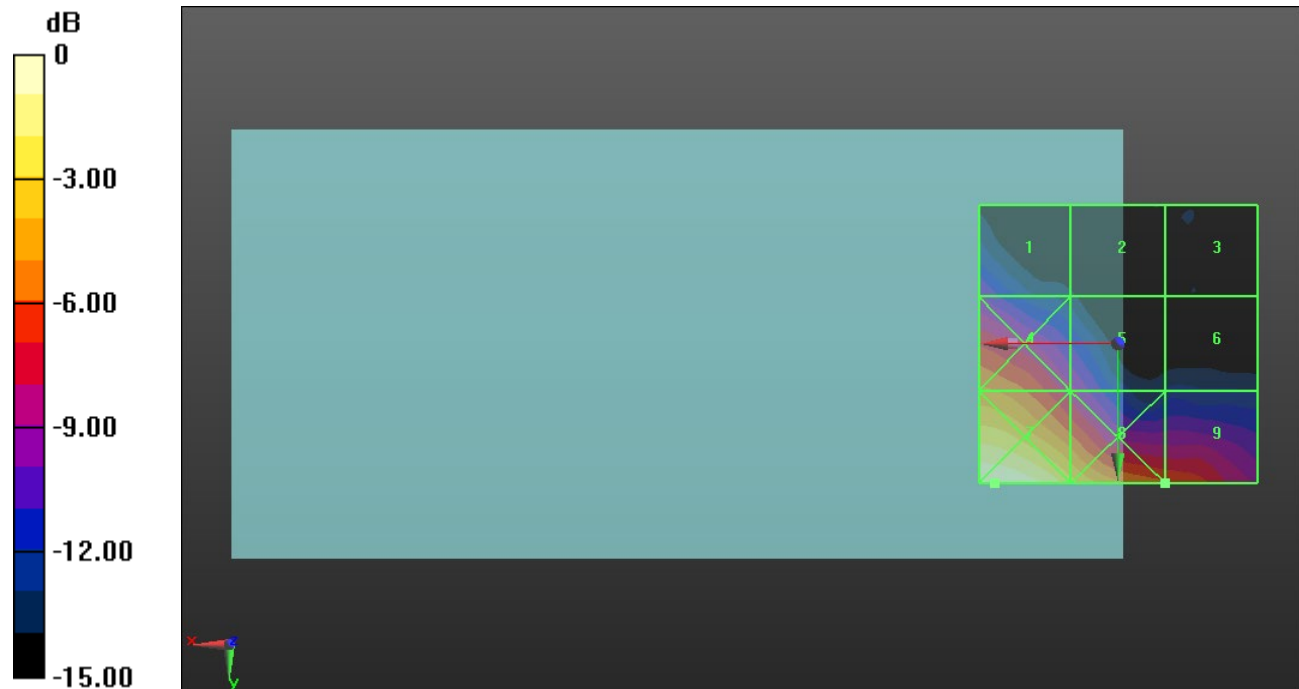
Applied MIF = -1.44 dB

RF audio interference level = 18.82 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 14.89 dBV/m	Grid 2 M4 10.95 dBV/m	Grid 3 M4 10.93 dBV/m
Grid 4 M4 19.87 dBV/m	Grid 5 M4 16.02 dBV/m	Grid 6 M4 12.09 dBV/m
Grid 7 M4 24.55 dBV/m	Grid 8 M4 22.1 dBV/m	Grid 9 M4 18.82 dBV/m



0 dB = 16.88 V/m = 24.55 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 - SN4028; ConvF(1, 1, 1) @ 2636.5 MHz; Calibrated: 8/13/2021
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1434; Calibrated: 11/11/2021
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7495)

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 = 5.486 V/m; Power Drift = -0.17 dB

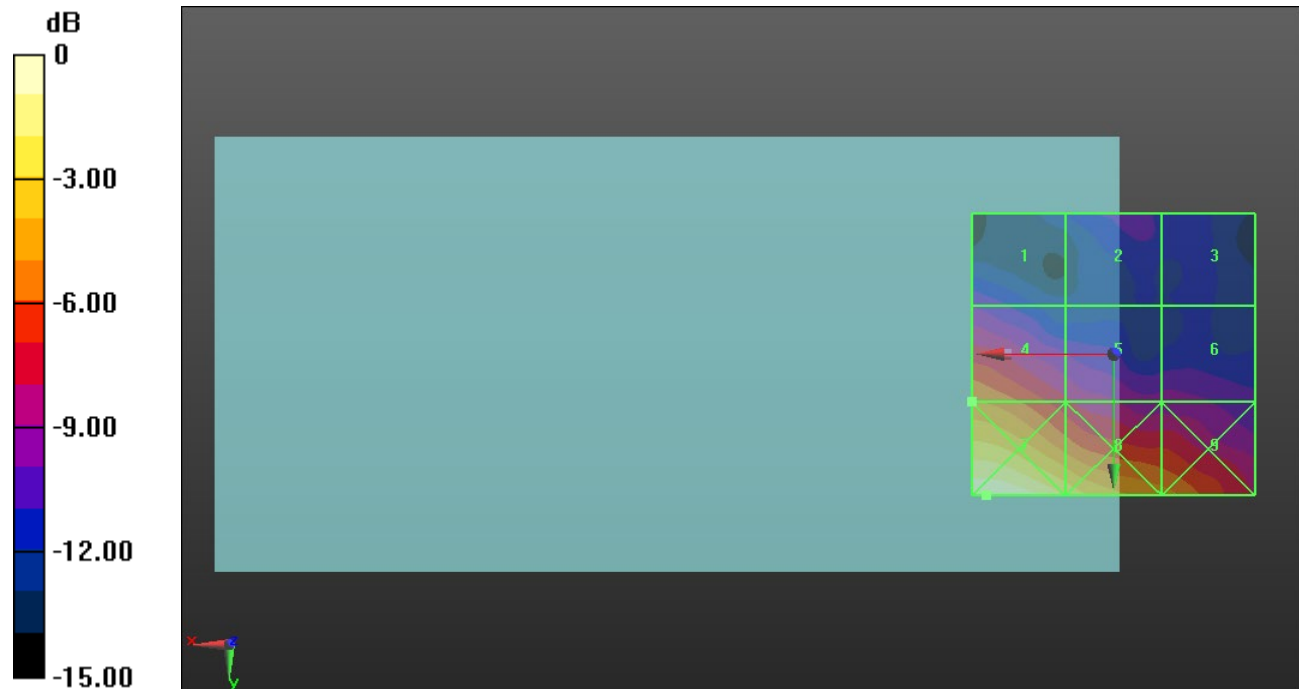
Applied MIF = -1.44 dB

RF audio interference level = 18.45 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 13.3 dBV/m	Grid 2 M4 12.77 dBV/m	Grid 3 M4 12.19 dBV/m
Grid 4 M4 18.45 dBV/m	Grid 5 M4 15.61 dBV/m	Grid 6 M4 13.74 dBV/m
Grid 7 M4 23.27 dBV/m	Grid 8 M4 21.23 dBV/m	Grid 9 M4 18.84 dBV/m



0 dB = 14.57 V/m = 23.27 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 - SN4028; ConvF(1, 1, 1) @ 2680 MHz; Calibrated: 8/13/2021
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1434; Calibrated: 11/11/2021
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7495)

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 = 8.696 V/m; Power Drift = 0.09 dB

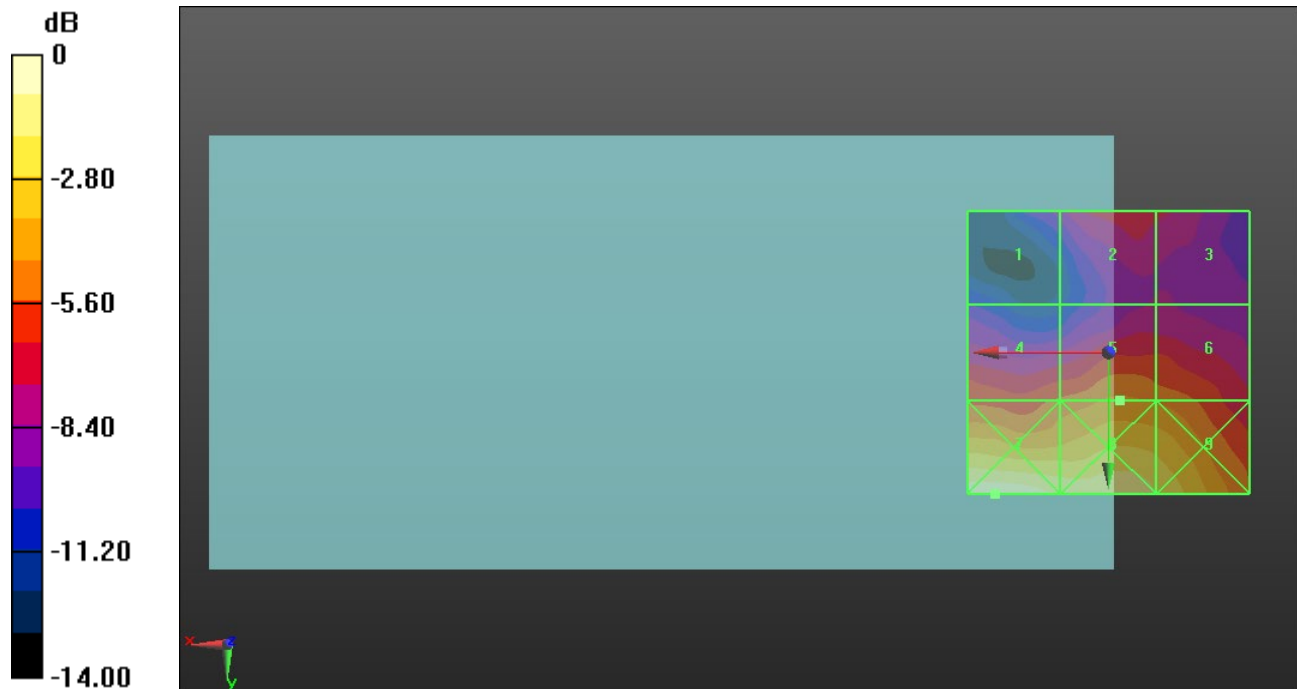
Applied MIF = -1.44 dB

RF audio interference level = 17.33 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 13.07 dBV/m	Grid 2 M4 14.83 dBV/m	Grid 3 M4 14.62 dBV/m
Grid 4 M4 16.39 dBV/m	Grid 5 M4 17.33 dBV/m	Grid 6 M4 17.02 dBV/m
Grid 7 M4 21.79 dBV/m	Grid 8 M4 20.84 dBV/m	Grid 9 M4 19.97 dBV/m



0 dB = 12.29 V/m = 21.79 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 - SN4028; ConvF(1, 1, 1) @ 2506 MHz; Calibrated: 8/13/2021
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1434; Calibrated: 11/11/2021
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7495)

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

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

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 20.30 V/m; Power Drift = -0.03 dB

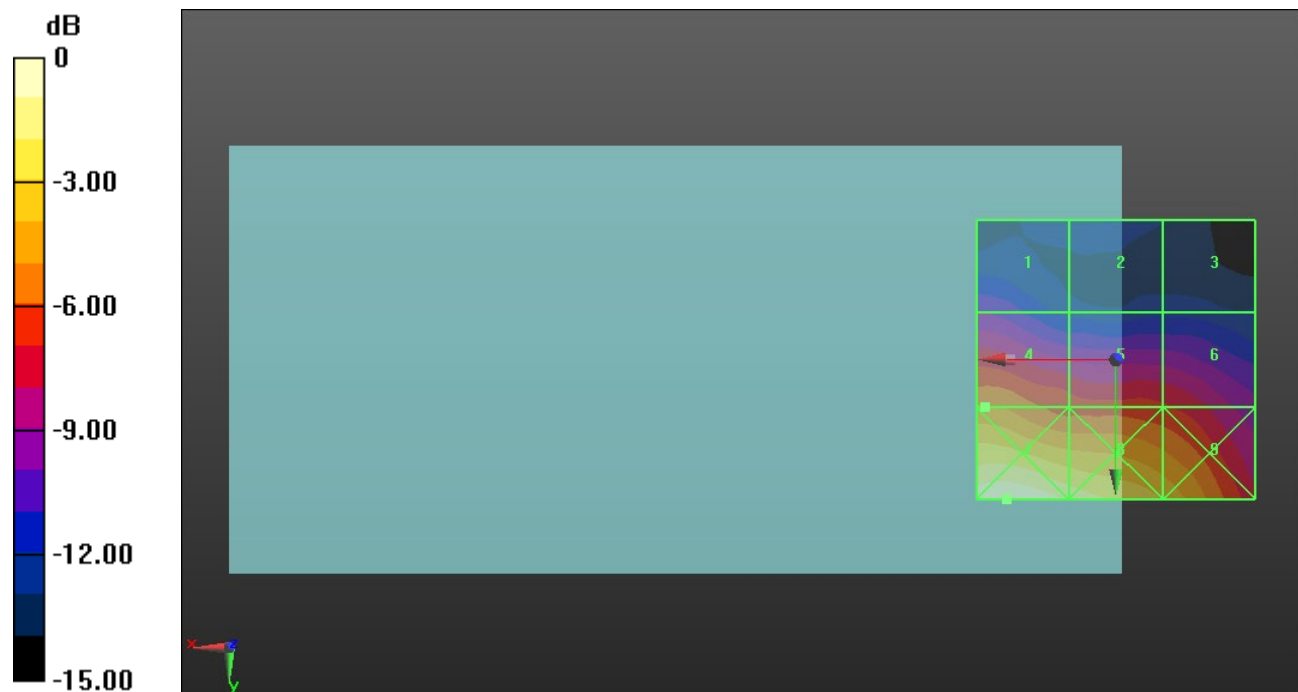
Applied MIF = -1.44 dB

RF audio interference level = 27.43 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 22.32 dBV/m	Grid 2 M4 20.48 dBV/m	Grid 3 M4 20.13 dBV/m
Grid 4 M4 27.43 dBV/m	Grid 5 M4 25.9 dBV/m	Grid 6 M4 25.49 dBV/m
Grid 7 M3 32.3 dBV/m	Grid 8 M3 31.14 dBV/m	Grid 9 M4 29.19 dBV/m



0 dB = 41.21 V/m = 32.30 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 - SN4028; ConvF(1, 1, 1) @ 2549.5 MHz; Calibrated: 8/13/2021
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1434; Calibrated: 11/11/2021
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7495)

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 = 11.93 V/m; Power Drift = -0.12 dB

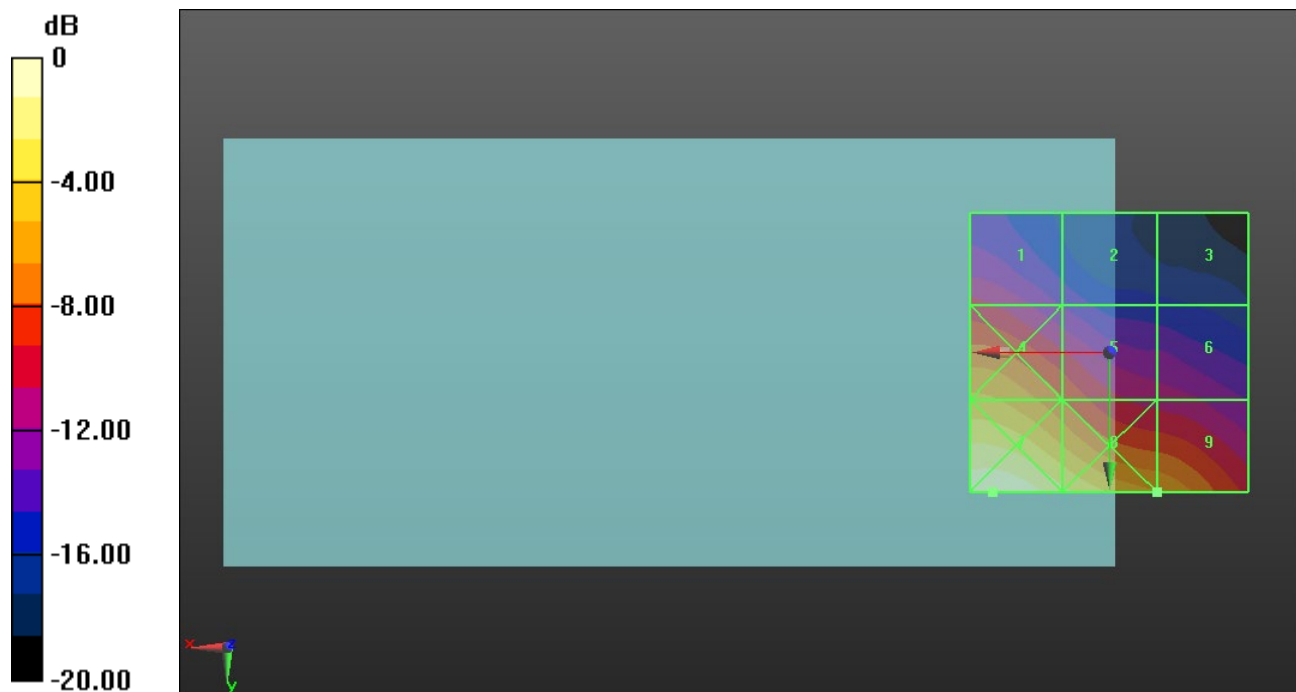
Applied MIF = -1.44 dB

RF audio interference level = 26.97 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 22.04 dBV/m	Grid 2 M4 18.83 dBV/m	Grid 3 M4 16.67 dBV/m
Grid 4 M4 27.19 dBV/m	Grid 5 M4 24.35 dBV/m	Grid 6 M4 21.06 dBV/m
Grid 7 M3 32.18 dBV/m	Grid 8 M3 30.02 dBV/m	Grid 9 M4 26.97 dBV/m



0 dB = 40.64 V/m = 32.18 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 - SN4028; ConvF(1, 1, 1) @ 2593 MHz; Calibrated: 8/13/2021
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1434; Calibrated: 11/11/2021
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7495)

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 = 7.882 V/m; Power Drift = -0.01 dB

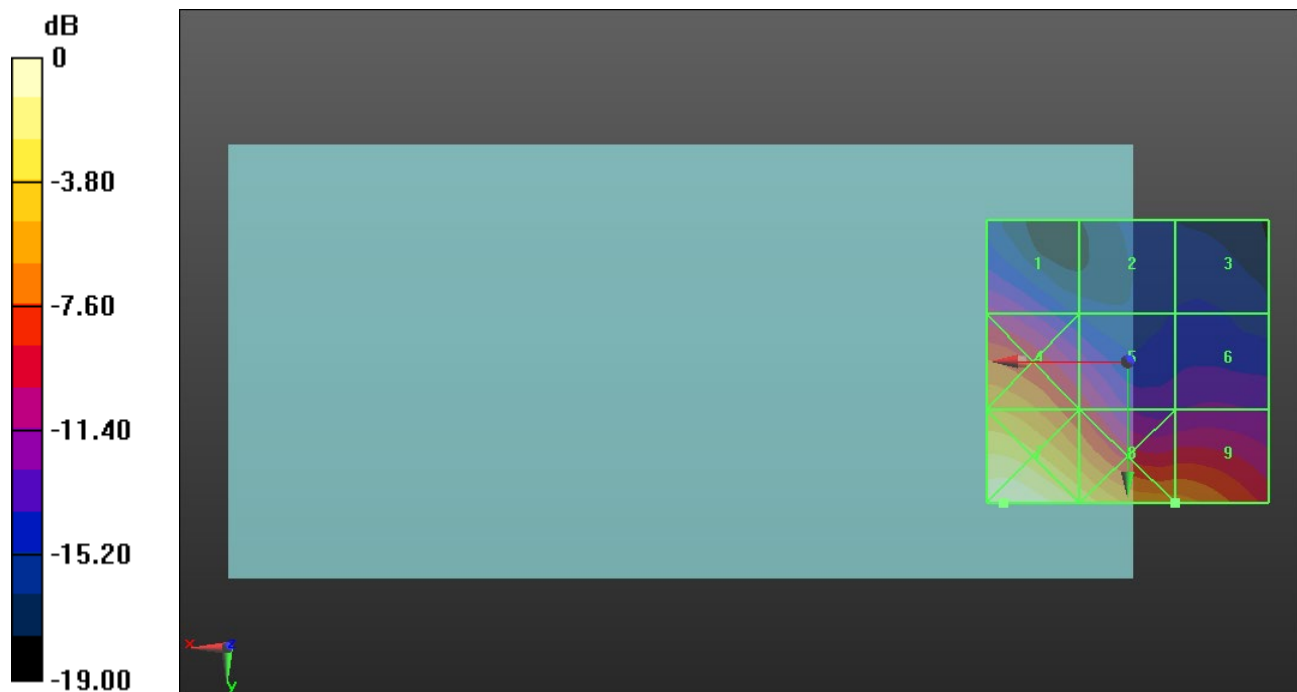
Applied MIF = -1.44 dB

RF audio interference level = 26.01 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 20.76 dBV/m	Grid 2 M4 16.55 dBV/m	Grid 3 M4 16.69 dBV/m
Grid 4 M4 26.7 dBV/m	Grid 5 M4 22.69 dBV/m	Grid 6 M4 19.33 dBV/m
Grid 7 M3 31.61 dBV/m	Grid 8 M4 29.06 dBV/m	Grid 9 M4 26.01 dBV/m



0 dB = 38.08 V/m = 31.61 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 - SN4028; ConvF(1, 1, 1) @ 2636.5 MHz; Calibrated: 8/13/2021
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1434; Calibrated: 11/11/2021
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7495)

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 = 11.86 V/m; Power Drift = -0.12 dB

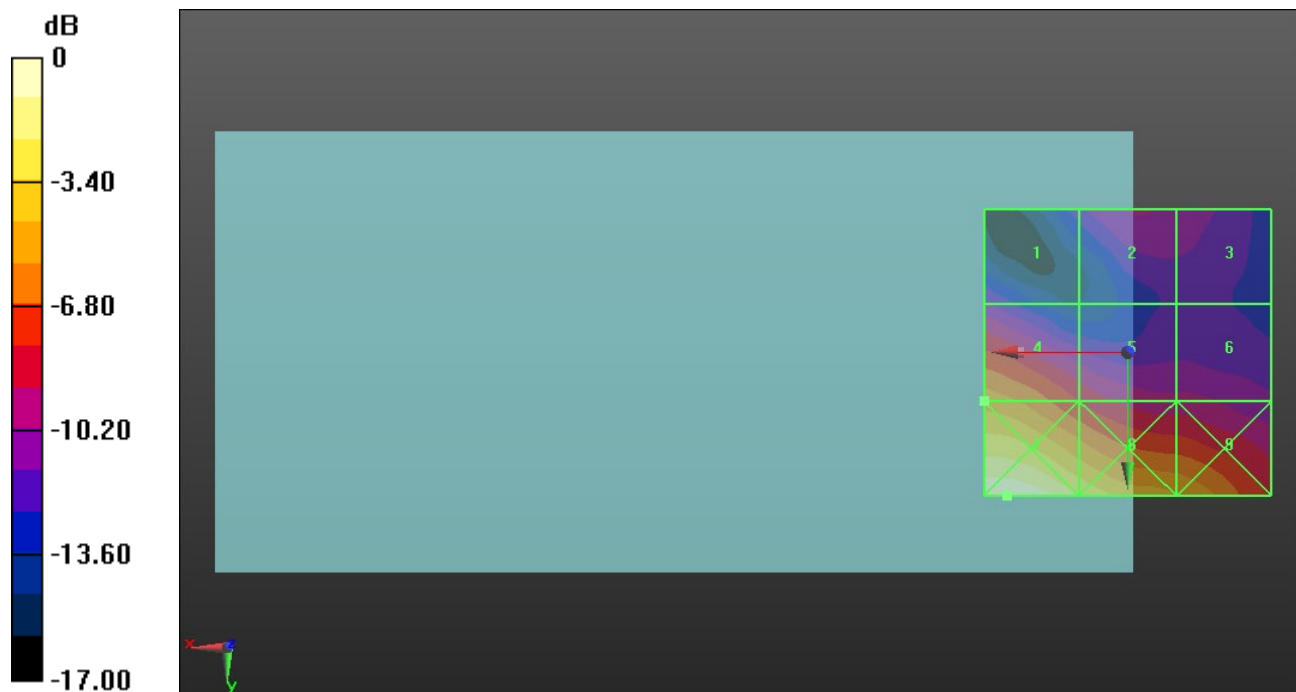
Applied MIF = -1.44 dB

RF audio interference level = 25.38 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 19.42 dBV/m	Grid 2 M4 20.36 dBV/m	Grid 3 M4 19.91 dBV/m
Grid 4 M4 25.38 dBV/m	Grid 5 M4 22.5 dBV/m	Grid 6 M4 20.71 dBV/m
Grid 7 M3 30.41 dBV/m	Grid 8 M4 28.29 dBV/m	Grid 9 M4 26.02 dBV/m



0 dB = 33.17 V/m = 30.41 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 - SN4028; ConvF(1, 1, 1) @ 2680 MHz; Calibrated: 8/13/2021
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1434; Calibrated: 11/11/2021
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7495)

LTE Band 41_Power Class 2 E-Field measurement/SC-FDMA RB 1/49 20 MHz 16QAM Ch. 41490/Hearing Aid Compatibility Test (101x101x1): Interpolated grid: dx=0.5000 mm, dy=0.5000 mm

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 17.76 V/m; Power Drift = -0.00 dB

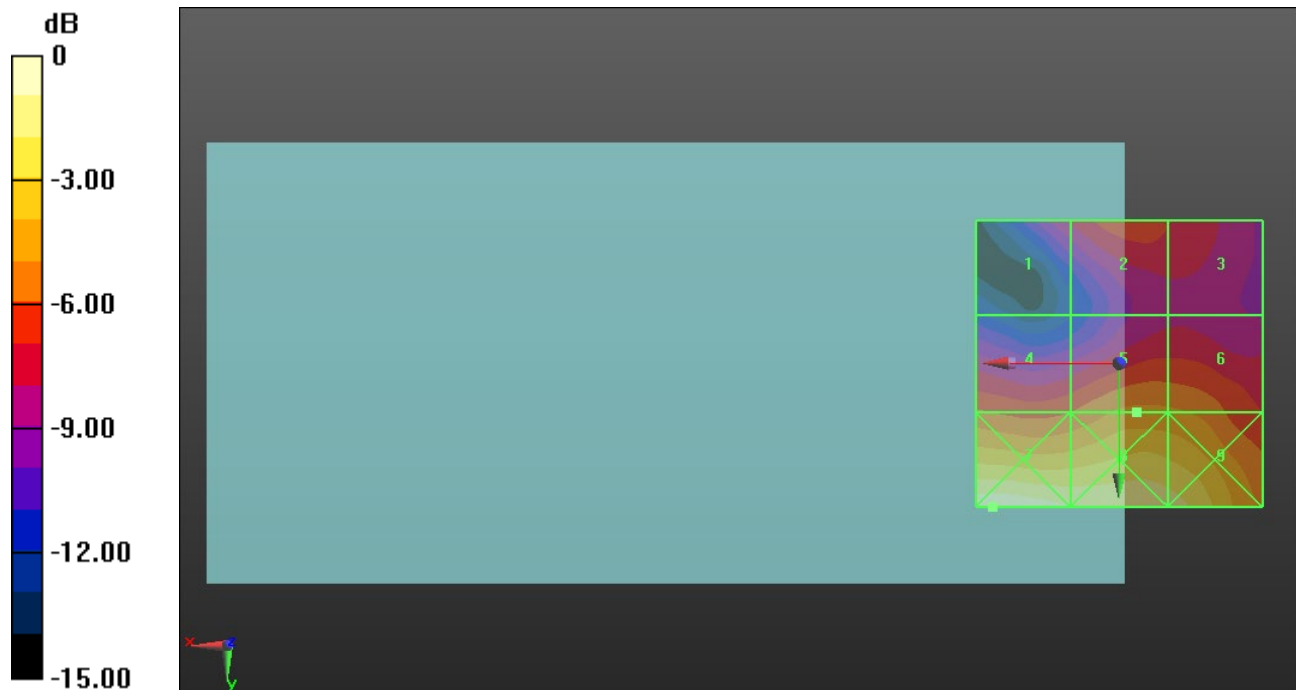
Applied MIF = -1.44 dB

RF audio interference level = 23.78 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 20.76 dBV/m	Grid 2 M4 22.16 dBV/m	Grid 3 M4 21.59 dBV/m
Grid 4 M4 22.67 dBV/m	Grid 5 M4 23.78 dBV/m	Grid 6 M4 23.7 dBV/m
Grid 7 M4 28.48 dBV/m	Grid 8 M4 27.59 dBV/m	Grid 9 M4 27.08 dBV/m



0 dB = 26.54 V/m = 28.48 dBV/m

HAC-RF Emission ANT4

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

Phantom section: RF Section

DASY5 Configuration:

- Probe: EF3DV3 - SN4028; ConvF(1, 1, 1) @ 3560 MHz; Calibrated: 8/13/2021
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1434; Calibrated: 11/11/2021
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7495)

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 = 25.01 V/m; Power Drift = -0.19 dB

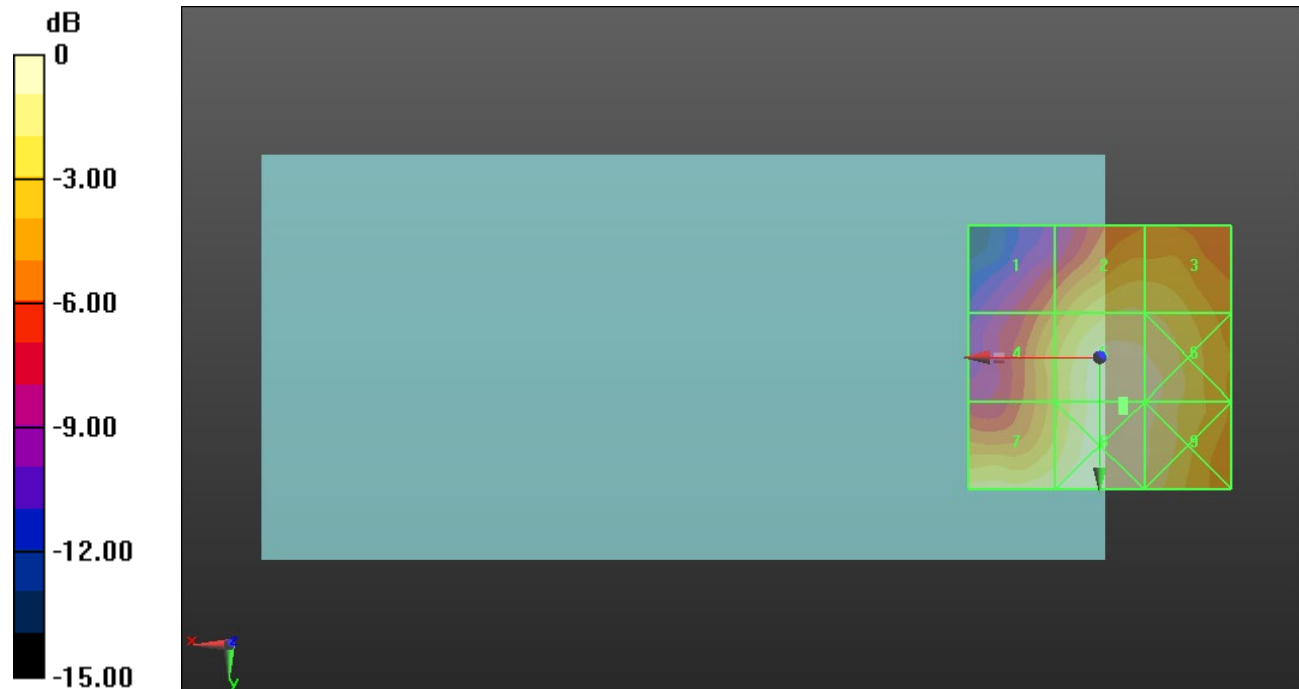
Applied MIF = -1.44 dB

RF audio interference level = 24.45 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 19.6 dBV/m	Grid 2 M4 22.65 dBV/m	Grid 3 M4 22.56 dBV/m
Grid 4 M4 21.33 dBV/m	Grid 5 M4 24.45 dBV/m	Grid 6 M4 24.12 dBV/m
Grid 7 M4 23.77 dBV/m	Grid 8 M4 24.48 dBV/m	Grid 9 M4 23.98 dBV/m



0 dB = 16.75 V/m = 24.48 dBV/m

HAC-RF Emission ANT4

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

Phantom section: RF Section

DASY5 Configuration:

- Probe: EF3DV3 - SN4028; ConvF(1, 1, 1) @ 3603.3 MHz; Calibrated: 8/13/2021
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1434; Calibrated: 11/11/2021
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7495)

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 = 24.70 V/m; Power Drift = -0.09 dB

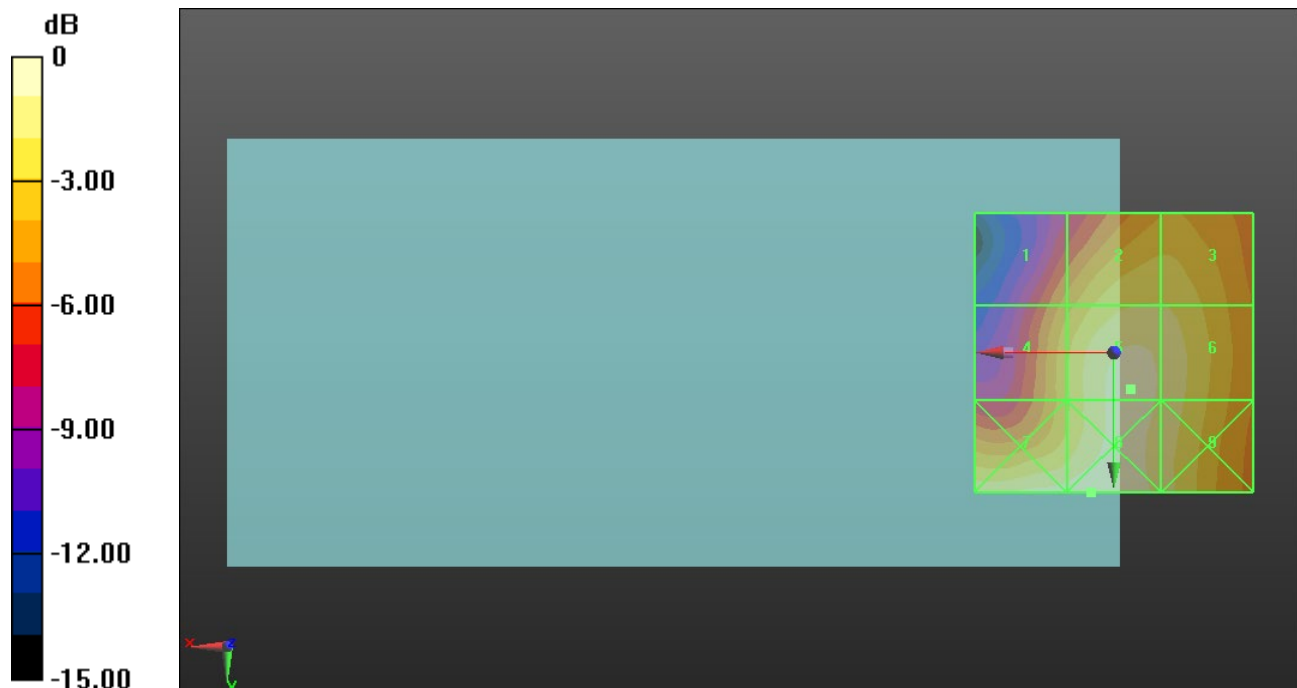
Applied MIF = -1.44 dB

RF audio interference level = 24.08 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 20.26 dBV/m	Grid 2 M4 22.74 dBV/m	Grid 3 M4 22.73 dBV/m
Grid 4 M4 21.57 dBV/m	Grid 5 M4 24.08 dBV/m	Grid 6 M4 23.55 dBV/m
Grid 7 M4 24.23 dBV/m	Grid 8 M4 24.68 dBV/m	Grid 9 M4 23.48 dBV/m



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

HAC-RF Emission ANT4

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

Phantom section: RF Section

DASY5 Configuration:

- Probe: EF3DV3 - SN4028; ConvF(1, 1, 1) @ 3646.7 MHz; Calibrated: 8/13/2021
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1434; Calibrated: 11/11/2021
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7495)

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 = 19.16 V/m; Power Drift = -0.01 dB

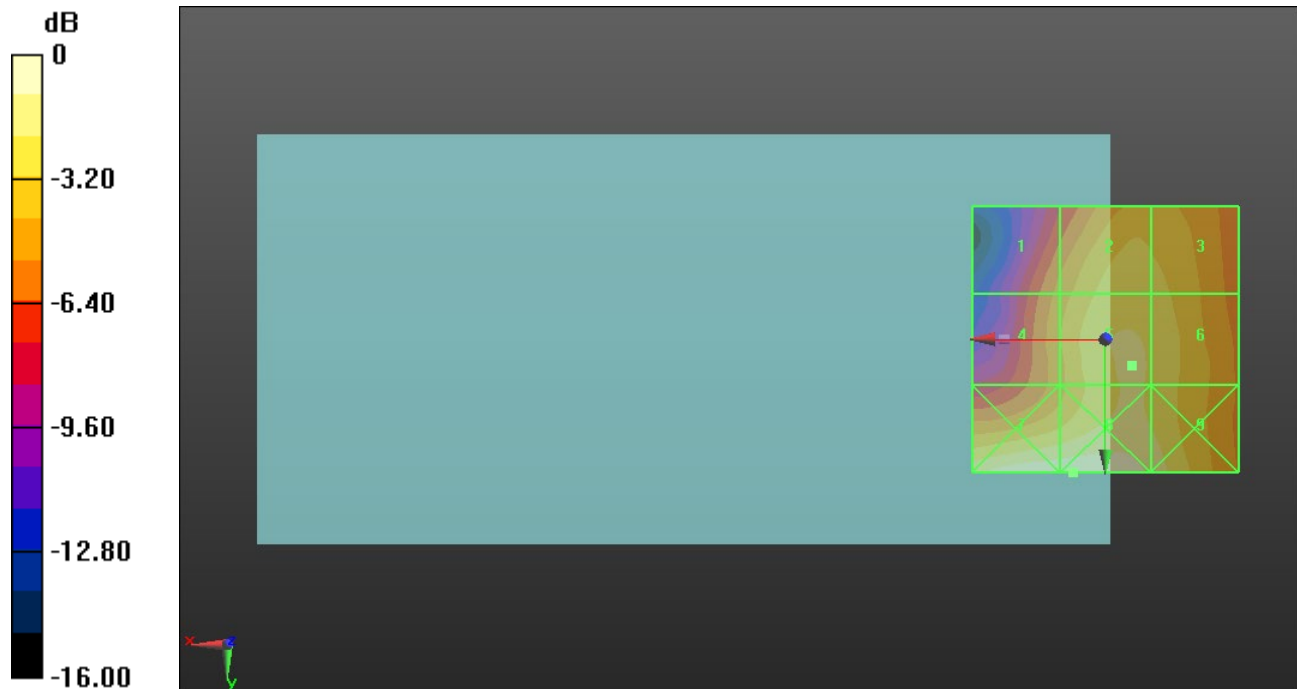
Applied MIF = -1.44 dB

RF audio interference level = 21.95 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 19.02 dBV/m	Grid 2 M4 21.38 dBV/m	Grid 3 M4 21.1 dBV/m
Grid 4 M4 19.54 dBV/m	Grid 5 M4 21.95 dBV/m	Grid 6 M4 21.59 dBV/m
Grid 7 M4 23.8 dBV/m	Grid 8 M4 23.85 dBV/m	Grid 9 M4 22.5 dBV/m



0 dB = 15.57 V/m = 23.85 dBV/m

HAC-RF Emission ANT4

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

Phantom section: RF Section

DASY5 Configuration:

- Probe: EF3DV3 - SN4028; ConvF(1, 1, 1) @ 3690 MHz; Calibrated: 8/13/2021
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1434; Calibrated: 11/11/2021
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7495)

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 = 18.79 V/m; Power Drift = 0.01 dB

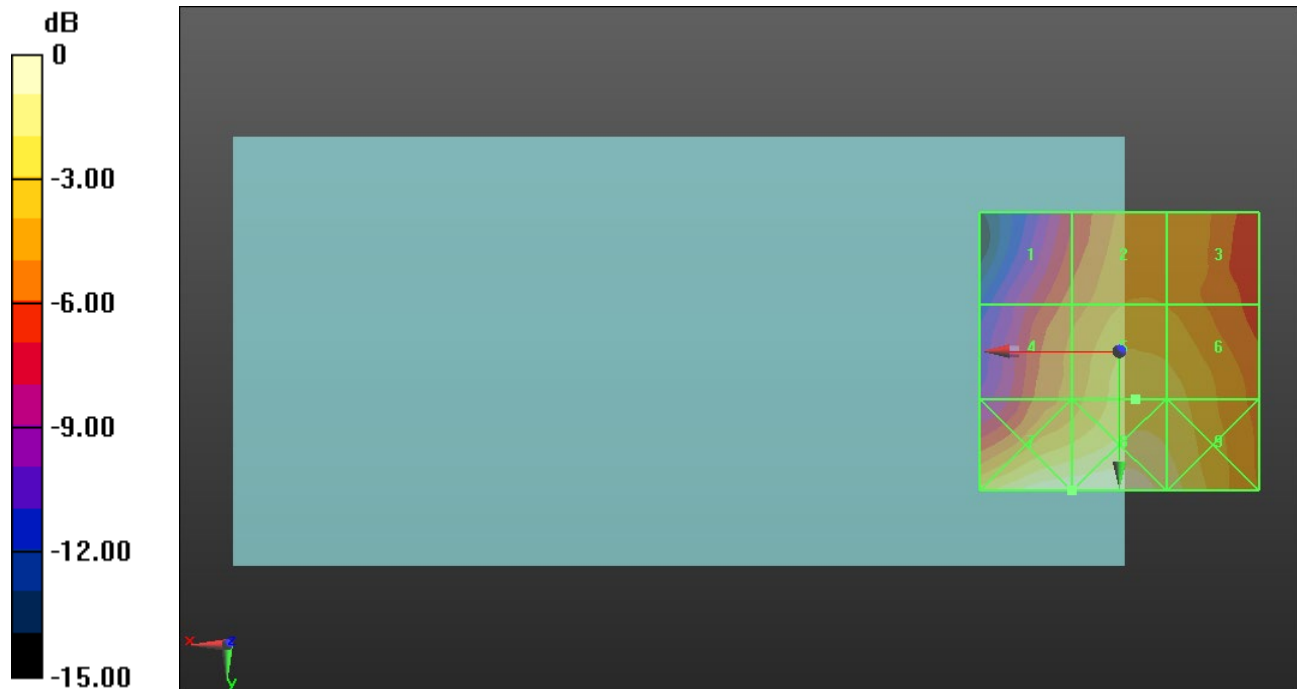
Applied MIF = -1.44 dB

RF audio interference level = 22.21 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 19.16 dBV/m	Grid 2 M4 20.75 dBV/m	Grid 3 M4 20.62 dBV/m
Grid 4 M4 20.18 dBV/m	Grid 5 M4 22.21 dBV/m	Grid 6 M4 22.06 dBV/m
Grid 7 M4 24.65 dBV/m	Grid 8 M4 24.65 dBV/m	Grid 9 M4 23.28 dBV/m



0 dB = 17.08 V/m = 24.65 dBV/m

HAC-RF Emission ANT4

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 - SN4028; ConvF(1, 1, 1) @ 2417 MHz; Calibrated: 8/13/2021
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1434; Calibrated: 11/11/2021
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7495)

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 = 22.61 V/m; Power Drift = -0.04 dB

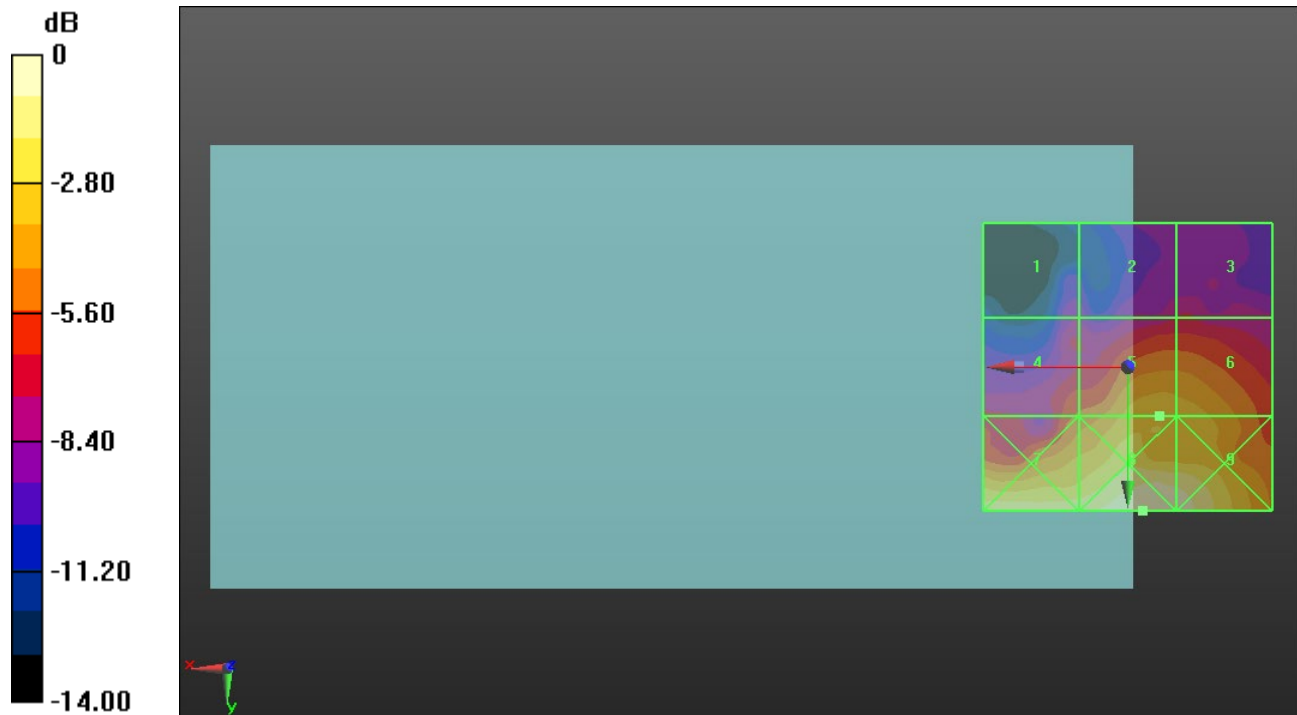
Applied MIF = -2.02 dB

RF audio interference level = 24.74 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 19.39 dBV/m	Grid 2 M4 20.36 dBV/m	Grid 3 M4 20.49 dBV/m
Grid 4 M4 22.38 dBV/m	Grid 5 M4 24.74 dBV/m	Grid 6 M4 24.66 dBV/m
Grid 7 M4 26.78 dBV/m	Grid 8 M4 27.73 dBV/m	Grid 9 M4 27.31 dBV/m



0 dB = 24.34 V/m = 27.73 dBV/m

HAC-RF Emission ANT4

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 - SN4028; ConvF(1, 1, 1) @ 2437 MHz; Calibrated: 8/13/2021
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1434; Calibrated: 11/11/2021
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.10 (4);SEMCAD X Version 14.6.14 (7495)

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 = 21.05 V/m; Power Drift = 0.10 dB

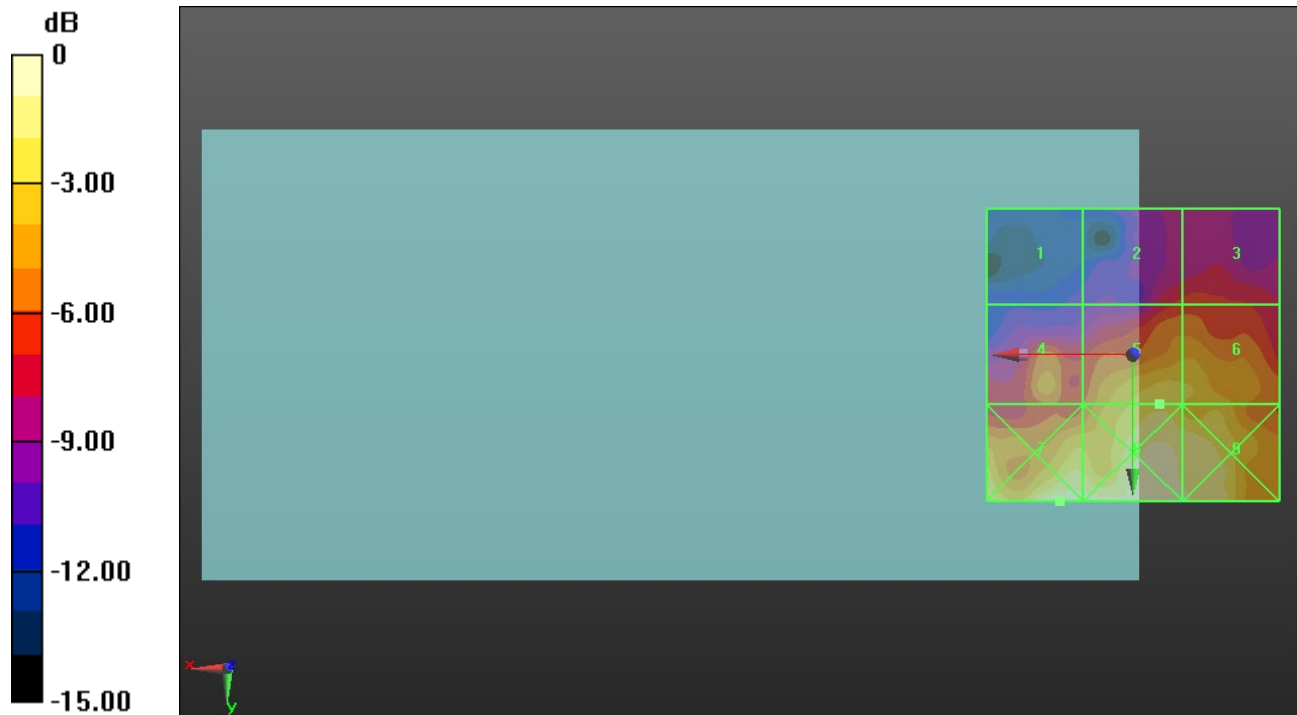
Applied MIF = -2.02 dB

RF audio interference level = 24.97 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 16.88 dBV/m	Grid 2 M4 20.61 dBV/m	Grid 3 M4 20.75 dBV/m
Grid 4 M4 22.78 dBV/m	Grid 5 M4 24.97 dBV/m	Grid 6 M4 24.38 dBV/m
Grid 7 M4 27.17 dBV/m	Grid 8 M4 27.04 dBV/m	Grid 9 M4 26.45 dBV/m



0 dB = 22.82 V/m = 27.17 dBV/m

HAC-RF Emission ANT4

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 - SN4028; ConvF(1, 1, 1) @ 2462 MHz; Calibrated: 8/13/2021
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1434; Calibrated: 11/11/2021
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7495)

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 = 20.87 V/m; Power Drift = -0.11 dB

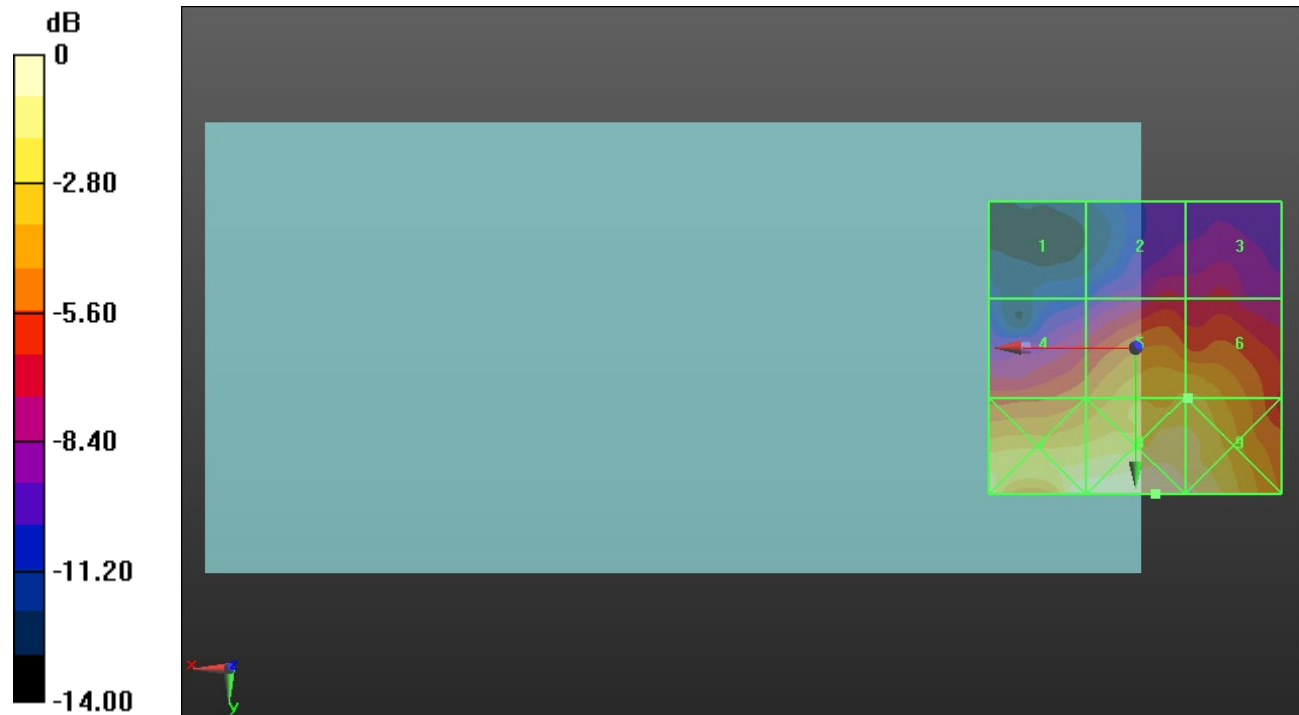
Applied MIF = -2.02 dB

RF audio interference level = 24.13 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 16.26 dBV/m	Grid 2 M4 19.57 dBV/m	Grid 3 M4 19.59 dBV/m
Grid 4 M4 21.98 dBV/m	Grid 5 M4 24.11 dBV/m	Grid 6 M4 24.13 dBV/m
Grid 7 M4 26.65 dBV/m	Grid 8 M4 26.67 dBV/m	Grid 9 M4 26.22 dBV/m



0 dB = 21.56 V/m = 26.67 dBV/m

HAC-RF Emission ANT4

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 - SN4028; ConvF(1, 1, 1) @ 2422 MHz; Calibrated: 8/13/2021
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1434; Calibrated: 11/11/2021
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7495)

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 = 20.77 V/m; Power Drift = 0.18 dB

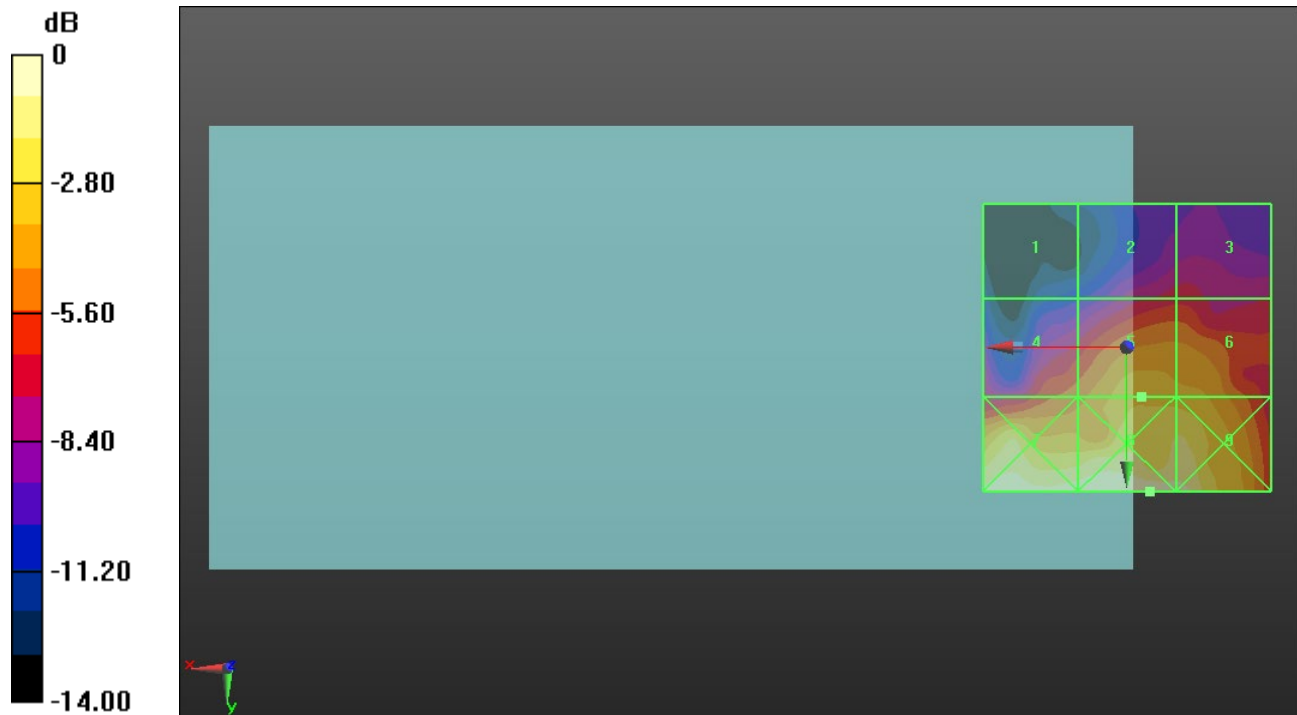
Applied MIF = 0.12 dB

RF audio interference level = 26.05 dBV/m

Emission category: **M4**

MIF scaled E-field

Grid 1 M4 18.64 dBV/m	Grid 2 M4 22.23 dBV/m	Grid 3 M4 22.27 dBV/m
Grid 4 M4 24.03 dBV/m	Grid 5 M4 26.05 dBV/m	Grid 6 M4 25.9 dBV/m
Grid 7 M4 28.74 dBV/m	Grid 8 M4 29.05 dBV/m	Grid 9 M4 28.72 dBV/m



0 dB = 28.34 V/m = 29.05 dBV/m

HAC-RF Emission ANT4

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 - SN4028; ConvF(1, 1, 1) @ 2437 MHz; Calibrated: 8/13/2021
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1434; Calibrated: 11/11/2021
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7495)

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 = 21.39 V/m; Power Drift = -0.77 dB

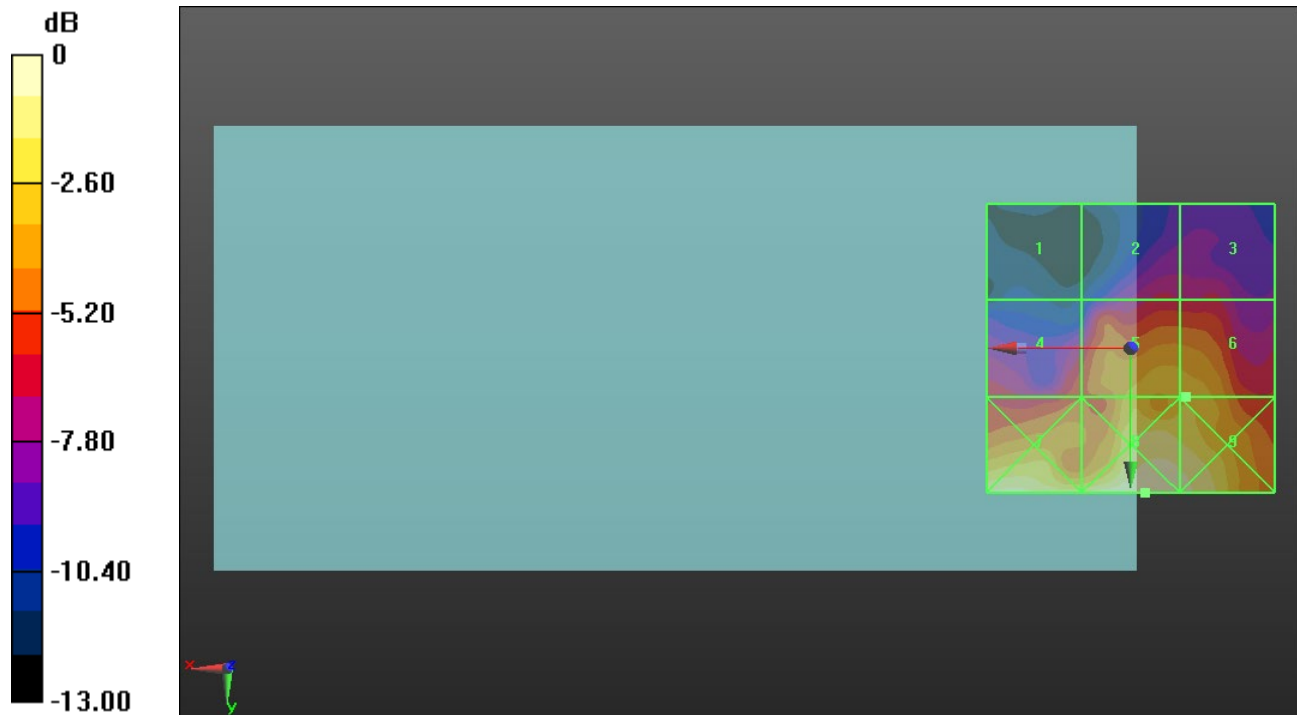
Applied MIF = 0.12 dB

RF audio interference level = 26.22 dBV/m

Emission category: **M4**

MIF scaled E-field

Grid 1 M4 18.21 dBV/m	Grid 2 M4 22.43 dBV/m	Grid 3 M4 22.35 dBV/m
Grid 4 M4 23.8 dBV/m	Grid 5 M4 26.14 dBV/m	Grid 6 M4 26.22 dBV/m
Grid 7 M4 28.57 dBV/m	Grid 8 M4 29.03 dBV/m	Grid 9 M4 28.55 dBV/m



0 dB = 28.27 V/m = 29.03 dBV/m

HAC-RF Emission ANT4

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 - SN4028; ConvF(1, 1, 1) @ 2452 MHz; Calibrated: 8/13/2021
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1434; Calibrated: 11/11/2021
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7495)

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 = 19.43 V/m; Power Drift = -0.12 dB

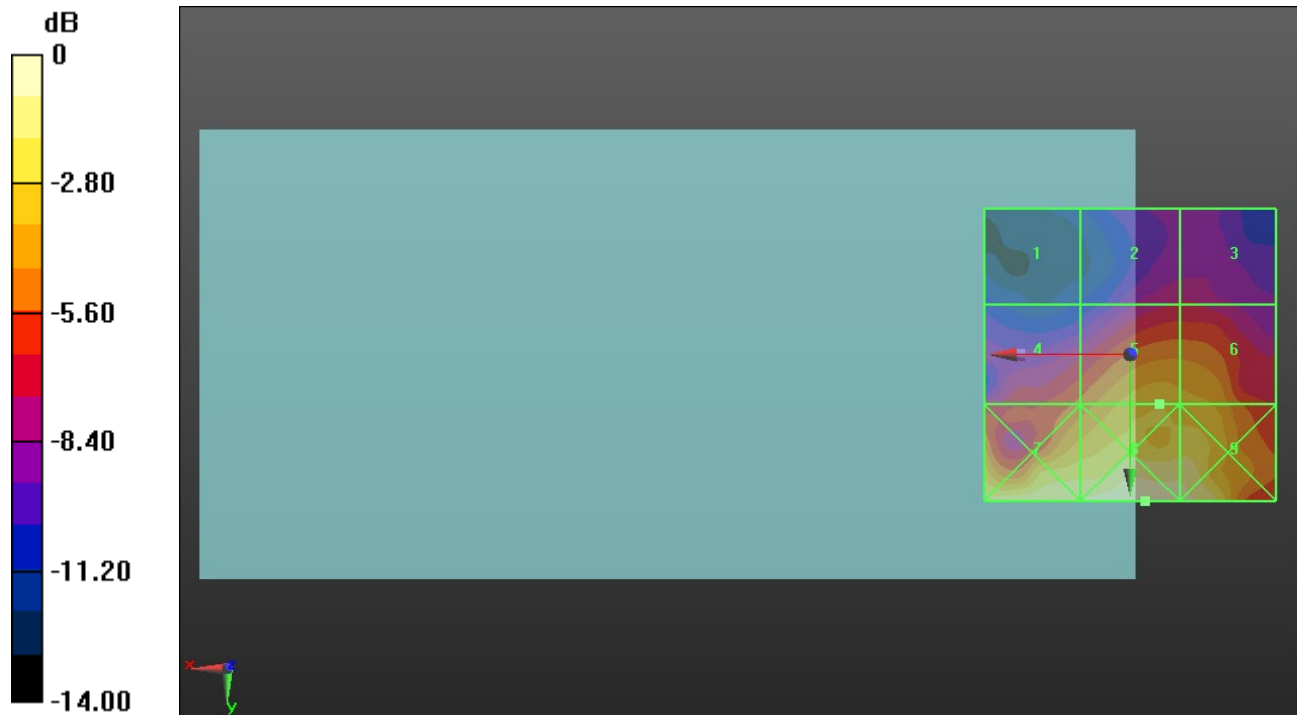
Applied MIF = 0.12 dB

RF audio interference level = 26.31 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 18.63 dBV/m	Grid 2 M4 21.95 dBV/m	Grid 3 M4 21.98 dBV/m
Grid 4 M4 24.02 dBV/m	Grid 5 M4 26.31 dBV/m	Grid 6 M4 25.96 dBV/m
Grid 7 M4 28.46 dBV/m	Grid 8 M4 29.25 dBV/m	Grid 9 M4 28.86 dBV/m



0 dB = 29.00 V/m = 29.25 dBV/m

HAC-RF Emission ANT5

Communication System: UID 10069 - CAD, IEEE 802.11a/h WiFi 5 GHz (OFDM, 54 Mbps); Frequency: 5200 MHz; Duty Cycle: 1:11.3789

Phantom section: RF Section

DASY5 Configuration:

- Probe: EF3DV3 - SN4028; ConvF(1, 1, 1) @ 5200 MHz; Calibrated: 8/13/2021
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1434; Calibrated: 11/11/2021
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.10 (4);SEMCAD X Version 14.6.14 (7495)

802.11a E-Field measurement/IEEE 802.11a_OFDM 54 Mbps Ch. 40/Hearing Aid Compatibility Test (101x101x1): Interpolated grid: dx=0.5000 mm, dy=0.5000 mm

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 4.904 V/m; Power Drift = 0.10 dB

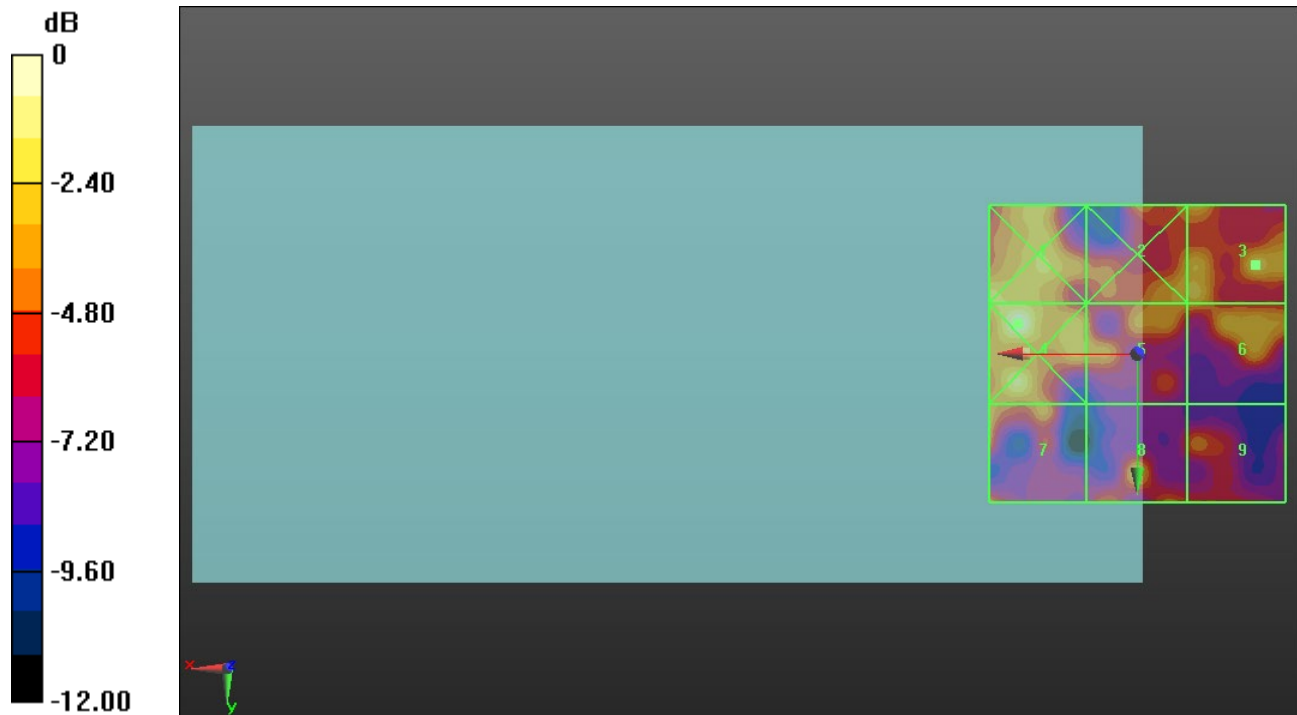
Applied MIF = -3.15 dB

RF audio interference level = 18.43 dBV/m

Emission category: **M4**

MIF scaled E-field

Grid 1 M4 17.94 dBV/m	Grid 2 M4 17.87 dBV/m	Grid 3 M4 18.43 dBV/m
Grid 4 M4 20.11 dBV/m	Grid 5 M4 16.95 dBV/m	Grid 6 M4 17.65 dBV/m
Grid 7 M4 17.11 dBV/m	Grid 8 M4 17.32 dBV/m	Grid 9 M4 15.86 dBV/m



0 dB = 10.12 V/m = 20.10 dBV/m

HAC-RF Emission ANT5

Communication System: UID 10069 - CAD, IEEE 802.11a/h WiFi 5 GHz (OFDM, 54 Mbps); Frequency: 5220 MHz; Duty Cycle: 1:11.3789

Phantom section: RF Section

DASY5 Configuration:

- Probe: EF3DV3 - SN4028; ConvF(1, 1, 1) @ 5220 MHz; Calibrated: 8/13/2021
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1434; Calibrated: 11/11/2021
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7495)

802.11a E-Field measurement/IEEE 802.11a_OFDM 54 Mbps Ch. 44/Hearing Aid Compatibility Test (101x101x1): Interpolated grid: dx=0.5000 mm, dy=0.5000 mm

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 4.690 V/m; Power Drift = 0.09 dB

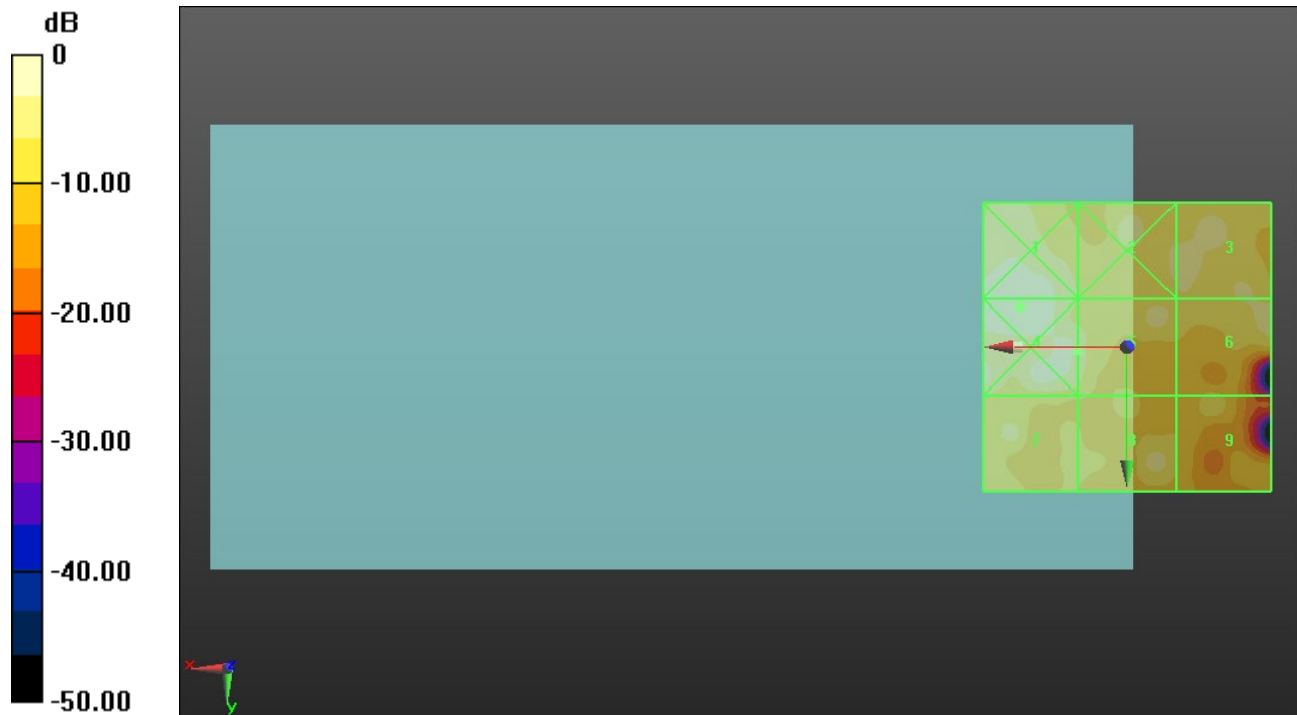
Applied MIF = -3.15 dB

RF audio interference level = 16.02 dBV/m

Emission category: **M4**

MIF scaled E-field

Grid 1 M4 19.97 dBV/m	Grid 2 M4 15.52 dBV/m	Grid 3 M4 15.92 dBV/m
Grid 4 M4 20.19 dBV/m	Grid 5 M4 16.02 dBV/m	Grid 6 M4 14.89 dBV/m
Grid 7 M4 14.7 dBV/m	Grid 8 M4 15.05 dBV/m	Grid 9 M4 12.85 dBV/m



0 dB = 10.22 V/m = 20.19 dBV/m

HAC-RF Emission ANT5

Communication System: UID 10069 - CAD, IEEE 802.11a/h WiFi 5 GHz (OFDM, 54 Mbps); Frequency: 5240 MHz; Duty Cycle: 1:11.3789

Phantom section: RF Section

DASY5 Configuration:

- Probe: EF3DV3 - SN4028; ConvF(1, 1, 1) @ 5240 MHz; Calibrated: 8/13/2021
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1434; Calibrated: 11/11/2021
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7495)

802.11a E-Field measurement/IEEE 802.11a_OFDM 54 Mbps Ch. 48/Hearing Aid Compatibility Test (101x101x1): Interpolated grid: dx=0.5000 mm, dy=0.5000 mm

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 7.406 V/m; Power Drift = 0.09 dB

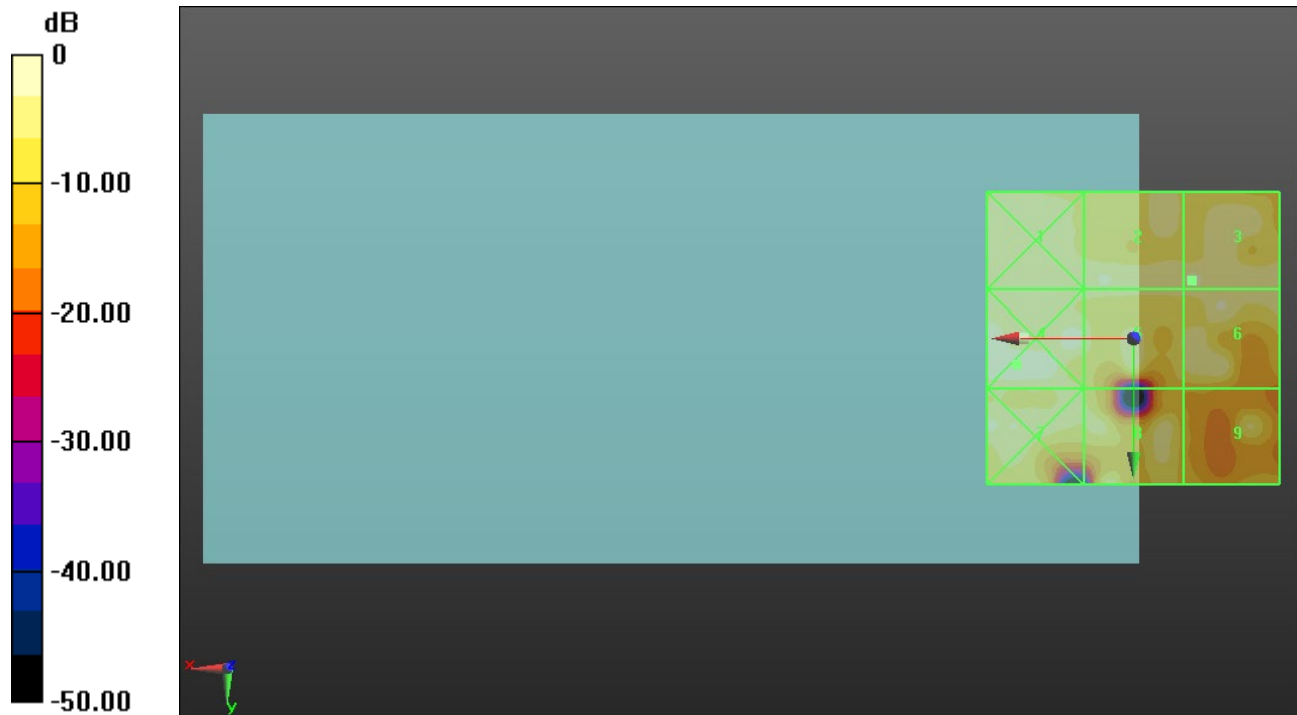
Applied MIF = -3.15 dB

RF audio interference level = 17.17 dBV/m

Emission category: **M4**

MIF scaled E-field

Grid 1 M4 16.48 dBV/m	Grid 2 M4 16.87 dBV/m	Grid 3 M4 17.17 dBV/m
Grid 4 M4 19.79 dBV/m	Grid 5 M4 16.44 dBV/m	Grid 6 M4 16.87 dBV/m
Grid 7 M4 16.97 dBV/m	Grid 8 M4 15.28 dBV/m	Grid 9 M4 13.52 dBV/m



0 dB = 9.765 V/m = 19.79 dBV/m

HAC-RF Emission ANT5

Communication System: UID 10069 - CAD, IEEE 802.11a/h WiFi 5 GHz (OFDM, 54 Mbps); Frequency: 5260 MHz; Duty Cycle: 1:11.3789

Phantom section: RF Section

DASY5 Configuration:

- Probe: EF3DV3 - SN4028; ConvF(1, 1, 1) @ 5260 MHz; Calibrated: 8/13/2021
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1434; Calibrated: 11/11/2021
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7495)

802.11a E-Field measurement/IEEE 802.11a_OFDM 54 Mbps Ch. 52/Hearing Aid Compatibility Test (101x101x1): Interpolated grid: dx=0.5000 mm, dy=0.5000 mm

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 4.264 V/m; Power Drift = 0.07 dB

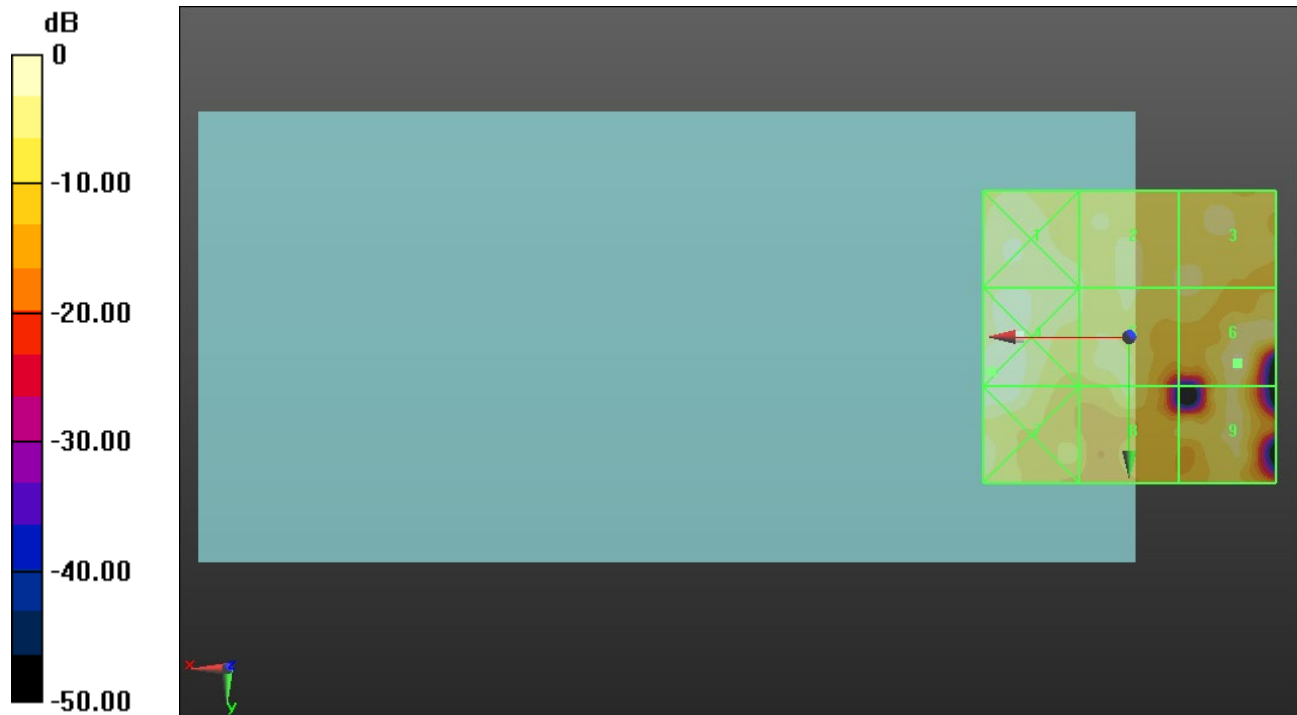
Applied MIF = -3.15 dB

RF audio interference level = 17.63 dBV/m

Emission category: **M4**

MIF scaled E-field

Grid 1 M4 17.37 dBV/m	Grid 2 M4 15.46 dBV/m	Grid 3 M4 16.75 dBV/m
Grid 4 M4 20.02 dBV/m	Grid 5 M4 14.76 dBV/m	Grid 6 M4 17.63 dBV/m
Grid 7 M4 19.35 dBV/m	Grid 8 M4 13.93 dBV/m	Grid 9 M4 15.24 dBV/m



0 dB = 10.03 V/m = 20.03 dBV/m

HAC-RF Emission ANT5

Communication System: UID 10069 - CAD, IEEE 802.11a/h WiFi 5 GHz (OFDM, 54 Mbps); Frequency: 5280 MHz; Duty Cycle: 1:11.3789

Phantom section: RF Section

DASY5 Configuration:

- Probe: EF3DV3 - SN4028; ConvF(1, 1, 1) @ 5280 MHz; Calibrated: 8/13/2021
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1434; Calibrated: 11/11/2021
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7495)

802.11a E-Field measurement/IEEE 802.11a_OFDM 54 Mbps Ch. 56/Hearing Aid Compatibility Test (101x101x1):

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

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 4.908 V/m; Power Drift = -0.02 dB

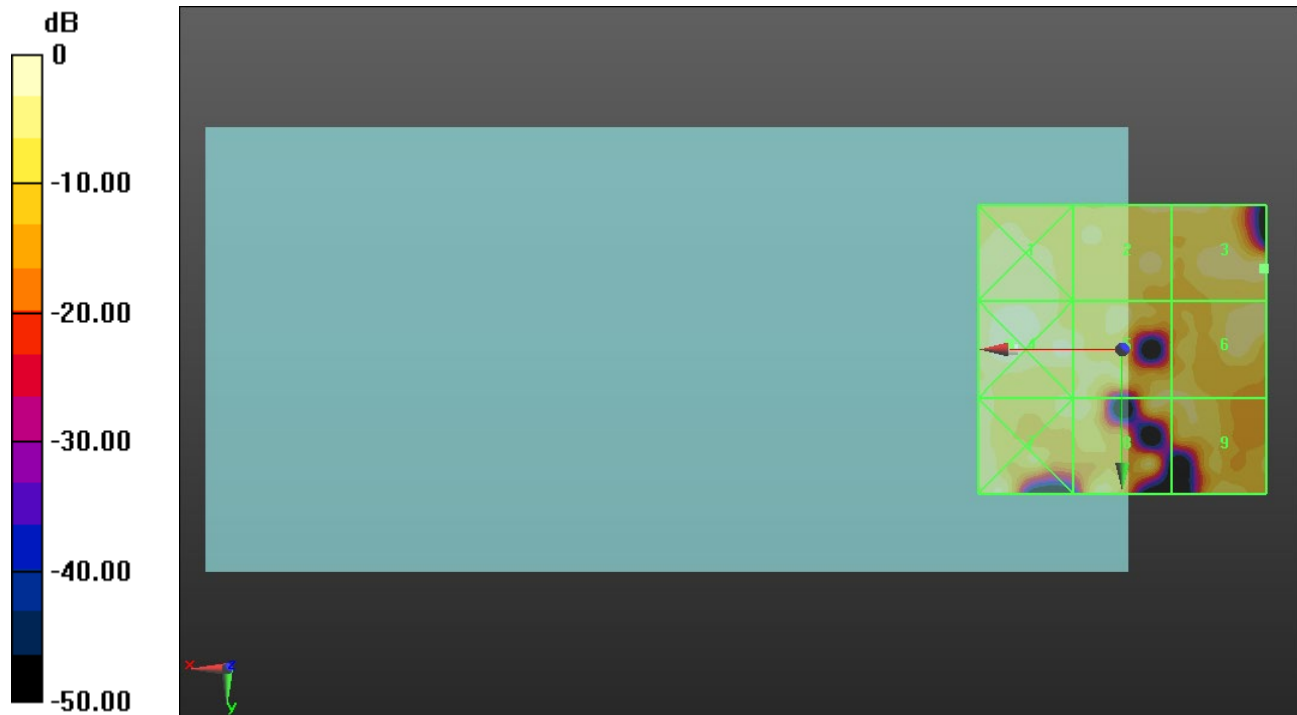
Applied MIF = -3.15 dB

RF audio interference level = 18.36 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 16.97 dBV/m	Grid 2 M4 16.18 dBV/m	Grid 3 M4 18.36 dBV/m
Grid 4 M4 20.7 dBV/m	Grid 5 M4 17.22 dBV/m	Grid 6 M4 16.86 dBV/m
Grid 7 M4 18.05 dBV/m	Grid 8 M4 16.48 dBV/m	Grid 9 M4 14.73 dBV/m



0 dB = 10.84 V/m = 20.70 dBV/m

HAC-RF Emission ANT5

Communication System: UID 10069 - CAD, IEEE 802.11a/h WiFi 5 GHz (OFDM, 54 Mbps); Frequency: 5300 MHz; Duty Cycle: 1:11.3789

Phantom section: RF Section

DASY5 Configuration:

- Probe: EF3DV3 - SN4028; ConvF(1, 1, 1) @ 5300 MHz; Calibrated: 8/13/2021
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1434; Calibrated: 11/11/2021
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.10 (4);SEMCAD X Version 14.6.14 (7495)

802.11a E-Field measurement/IEEE 802.11a_OFDM 54 Mbps Ch. 60/Hearing Aid Compatibility Test (101x101x1): Interpolated grid: dx=0.5000 mm, dy=0.5000 mm

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 8.718 V/m; Power Drift = -0.00 dB

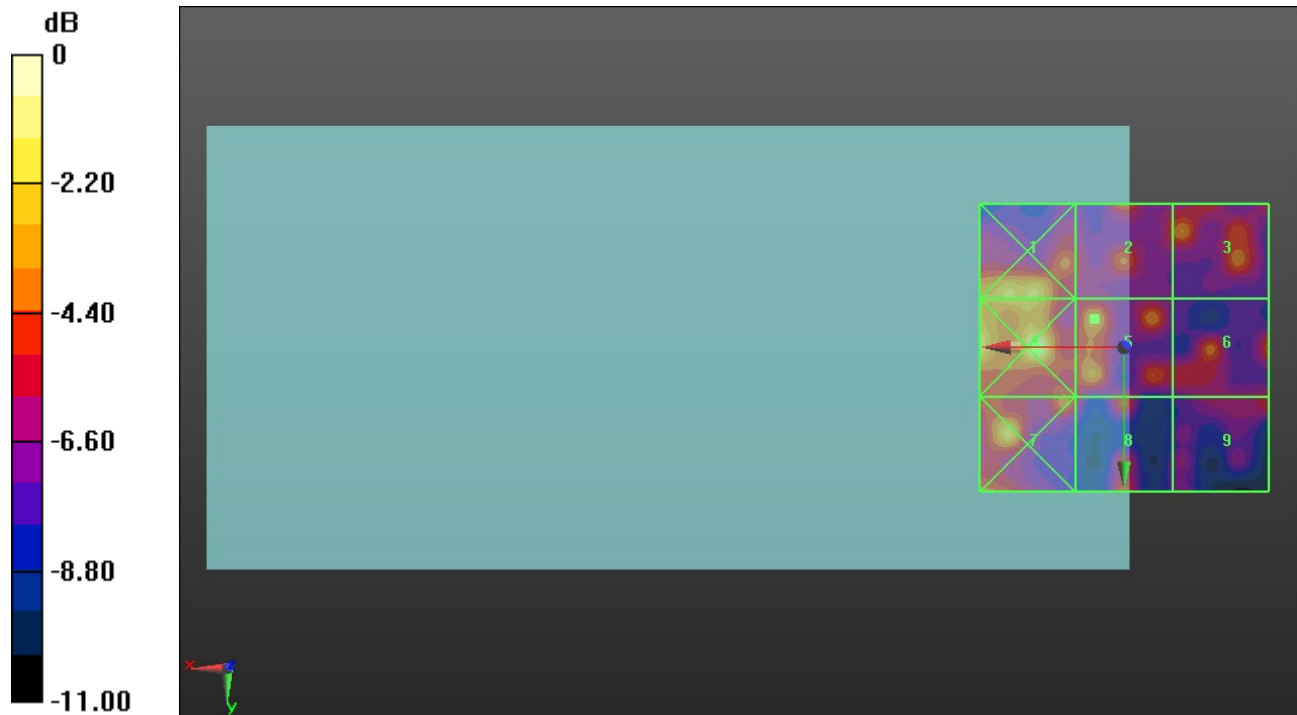
Applied MIF = -3.15 dB

RF audio interference level = 17.24 dBV/m

Emission category: **M4**

MIF scaled E-field

Grid 1 M4 18.34 dBV/m	Grid 2 M4 16.61 dBV/m	Grid 3 M4 16.79 dBV/m
Grid 4 M4 20.36 dBV/m	Grid 5 M4 17.24 dBV/m	Grid 6 M4 16.36 dBV/m
Grid 7 M4 18.53 dBV/m	Grid 8 M4 15.78 dBV/m	Grid 9 M4 15.24 dBV/m



0 dB = 10.42 V/m = 20.36 dBV/m

HAC-RF Emission ANT5

Communication System: UID 10069 - CAD, IEEE 802.11a/h WiFi 5 GHz (OFDM, 54 Mbps); Frequency: 5520 MHz; Duty Cycle: 1:11.3789

Phantom section: RF Section

DASY5 Configuration:

- Probe: EF3DV3 - SN4028; ConvF(1, 1, 1) @ 5520 MHz; Calibrated: 8/13/2021
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1434; Calibrated: 11/11/2021
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7495)

802.11a E-Field measurement/IEEE 802.11a_OFDM 54 Mbps Ch. 104/Hearing Aid Compatibility Test (101x101x1): Interpolated grid: dx=0.5000 mm, dy=0.5000 mm

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 5.836 V/m; Power Drift = 0.07 dB

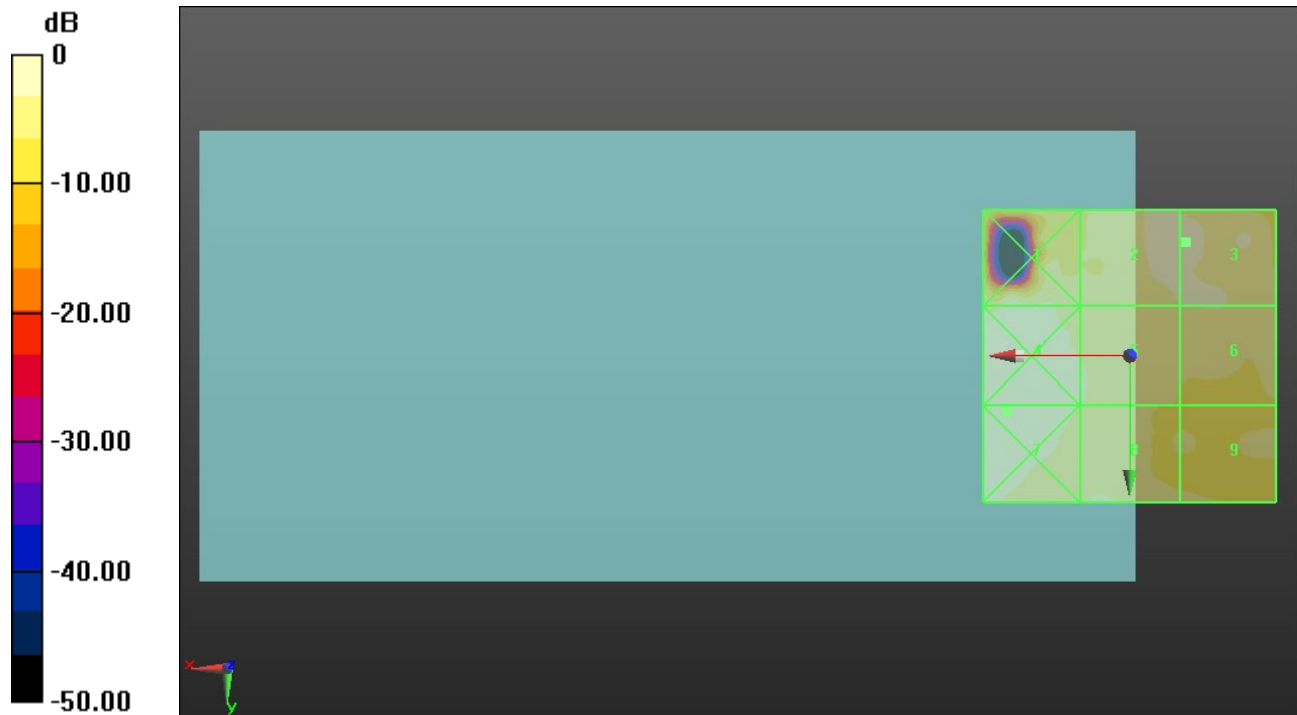
Applied MIF = -3.15 dB

RF audio interference level = 15.13 dBV/m

Emission category: **M4**

MIF scaled E-field

Grid 1 M4 14.49 dBV/m	Grid 2 M4 15.03 dBV/m	Grid 3 M4 15.13 dBV/m
Grid 4 M4 16.47 dBV/m	Grid 5 M4 14.19 dBV/m	Grid 6 M4 13.34 dBV/m
Grid 7 M4 16.49 dBV/m	Grid 8 M4 14.43 dBV/m	Grid 9 M4 11.55 dBV/m



0 dB = 6.677 V/m = 16.49 dBV/m

HAC-RF Emission ANT5

Communication System: UID 10069 - CAD, IEEE 802.11a/h WiFi 5 GHz (OFDM, 54 Mbps); Frequency: 5620 MHz; Duty Cycle: 1:11.3789

Phantom section: RF Section

DASY5 Configuration:

- Probe: EF3DV3 - SN4028; ConvF(1, 1, 1) @ 5620 MHz; Calibrated: 8/13/2021
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1434; Calibrated: 11/11/2021
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.10 (4);SEMCAD X Version 14.6.14 (7495)

802.11a E-Field measurement/IEEE 802.11a_OFDM 54 Mbps Ch. 124/Hearing Aid Compatibility Test (101x101x1):

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

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 4.722 V/m; Power Drift = -0.17 dB

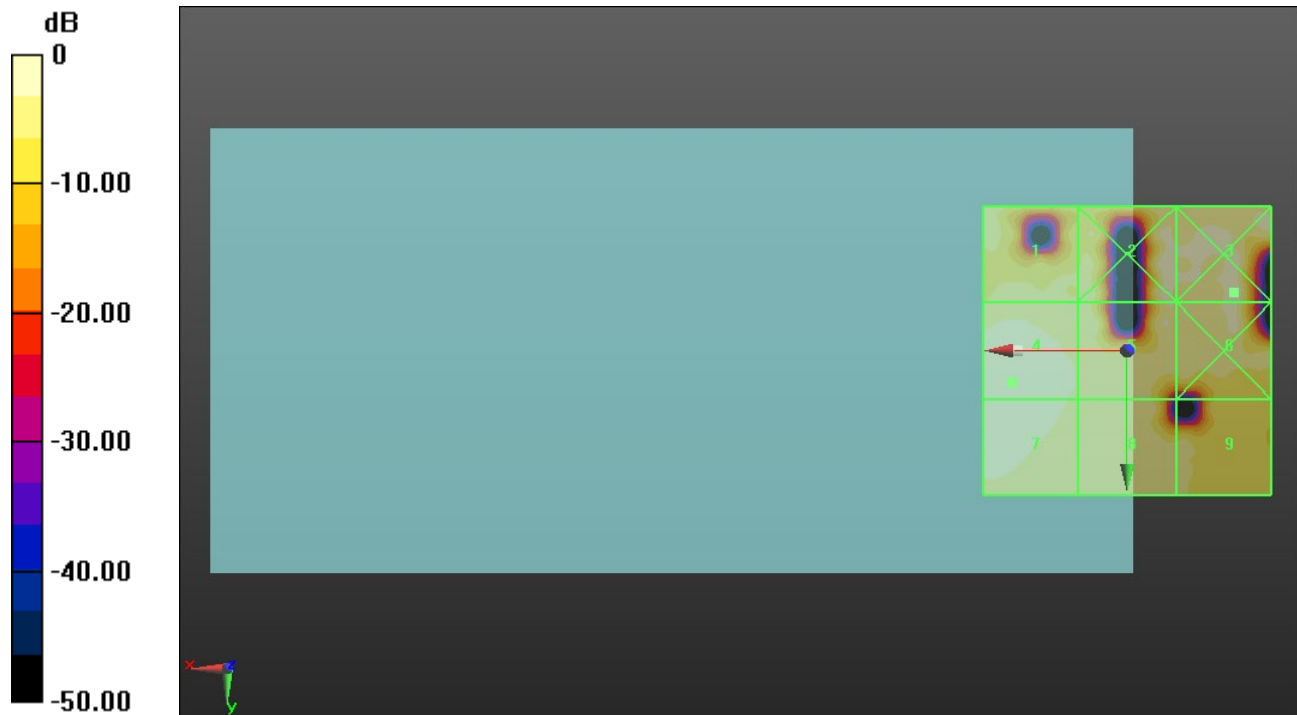
Applied MIF = -3.15 dB

RF audio interference level = 15.91 dBV/m

Emission category: **M4**

MIF scaled E-field

Grid 1 M4 11.75 dBV/m	Grid 2 M4 15.28 dBV/m	Grid 3 M4 16.45 dBV/m
Grid 4 M4 15.91 dBV/m	Grid 5 M4 13.64 dBV/m	Grid 6 M4 15.31 dBV/m
Grid 7 M4 15.7 dBV/m	Grid 8 M4 12.53 dBV/m	Grid 9 M4 10.84 dBV/m



0 dB = 6.648 V/m = 16.45 dBV/m

HAC-RF Emission ANT5

Communication System: UID 10069 - CAD, IEEE 802.11a/h WiFi 5 GHz (OFDM, 54 Mbps); Frequency: 5720 MHz; Duty Cycle: 1:11.3789

Phantom section: RF Section

DASY5 Configuration:

- Probe: EF3DV3 - SN4028; ConvF(1, 1, 1) @ 5720 MHz; Calibrated: 8/13/2021
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1434; Calibrated: 11/11/2021
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.10 (4);SEMCAD X Version 14.6.14 (7495)

802.11a E-Field measurement/IEEE 802.11a_OFDM 54 Mbps Ch. 144/Hearing Aid Compatibility Test (101x101x1): Interpolated grid: dx=0.5000 mm, dy=0.5000 mm

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 4.970 V/m; Power Drift = -0.01 dB

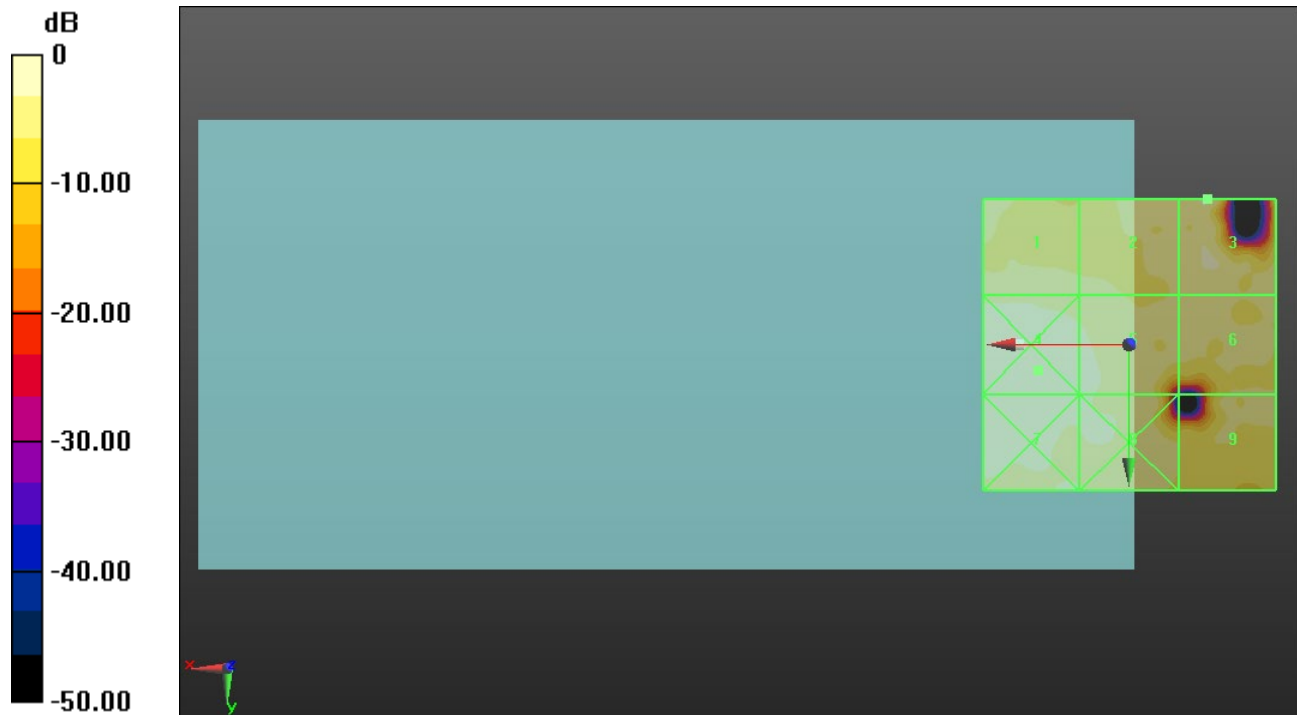
Applied MIF = -3.15 dB

RF audio interference level = 14.47 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 10.75 dBV/m	Grid 2 M4 11.33 dBV/m	Grid 3 M4 14.47 dBV/m
Grid 4 M4 14.61 dBV/m	Grid 5 M4 12.61 dBV/m	Grid 6 M4 10.62 dBV/m
Grid 7 M4 14.02 dBV/m	Grid 8 M4 13.08 dBV/m	Grid 9 M4 8.66 dBV/m



0 dB = 5.379 V/m = 14.61 dBV/m

HAC-RF Emission ANT5

Communication System: UID 10069 - CAD, IEEE 802.11a/h WiFi 5 GHz (OFDM, 54 Mbps); Frequency: 5745 MHz; Duty Cycle: 1:11.3789

Phantom section: RF Section

DASY5 Configuration:

- Probe: EF3DV3 - SN4028; ConvF(1, 1, 1) @ 5745 MHz; Calibrated: 8/13/2021
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1434; Calibrated: 11/11/2021
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.10 (4);SEMCAD X Version 14.6.14 (7495)

802.11a E-Field measurement/IEEE 802.11a_OFDM 54 Mbps Ch. 149/Hearing Aid Compatibility Test (101x101x1): Interpolated grid: dx=0.5000 mm, dy=0.5000 mm

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 5.014 V/m; Power Drift = -0.07 dB

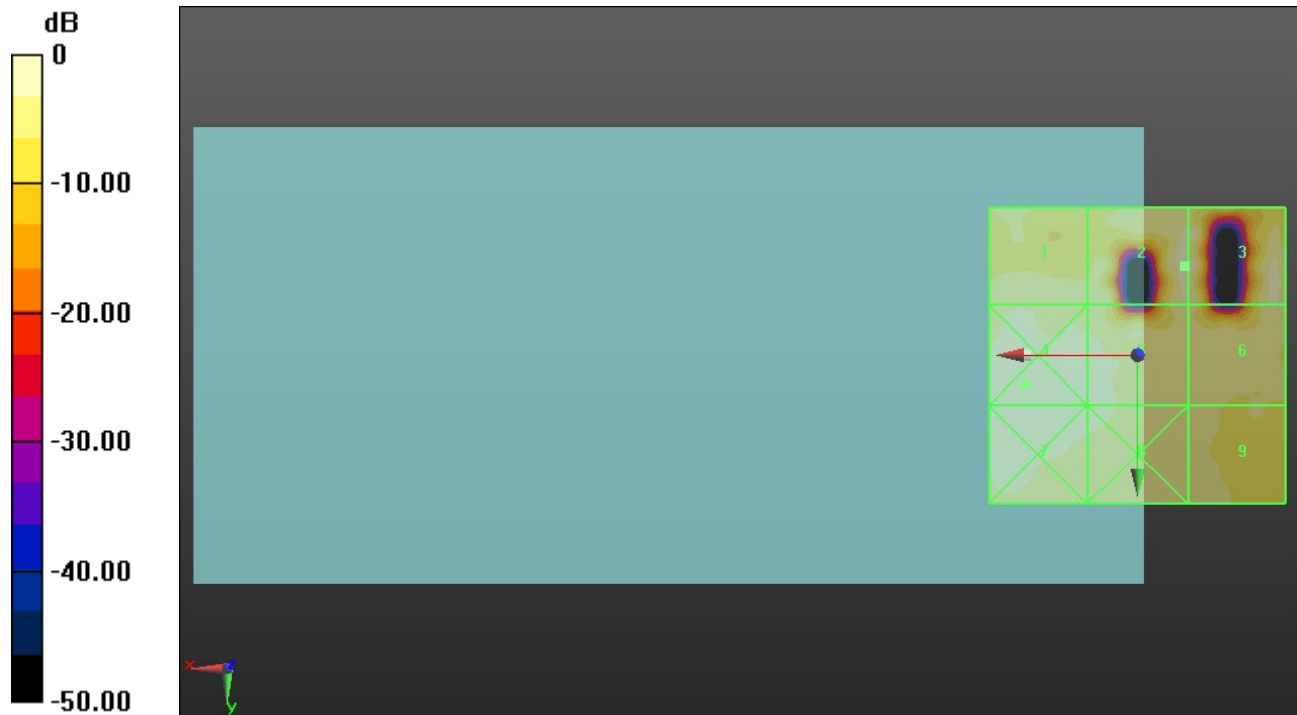
Applied MIF = -3.15 dB

RF audio interference level = 12.81 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 10.68 dBV/m	Grid 2 M4 12.81 dBV/m	Grid 3 M4 12.52 dBV/m
Grid 4 M4 14.33 dBV/m	Grid 5 M4 12.35 dBV/m	Grid 6 M4 11.41 dBV/m
Grid 7 M4 13.76 dBV/m	Grid 8 M4 12.35 dBV/m	Grid 9 M4 10.72 dBV/m



HAC-RF Emission ANT5

Communication System: UID 10069 - CAD, IEEE 802.11a/h WiFi 5 GHz (OFDM, 54 Mbps); Frequency: 5785 MHz; Duty Cycle: 1:11.3789

Phantom section: RF Section

DASY5 Configuration:

- Probe: EF3DV3 - SN4028; ConvF(1, 1, 1) @ 5785 MHz; Calibrated: 8/13/2021
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1434; Calibrated: 11/11/2021
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.10 (4);SEMCAD X Version 14.6.14 (7495)

802.11a E-Field measurement/IEEE 802.11a_OFDM 54 Mbps Ch. 157/Hearing Aid Compatibility Test (101x101x1): Interpolated grid: dx=0.5000 mm, dy=0.5000 mm

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 4.780 V/m; Power Drift = -0.07 dB

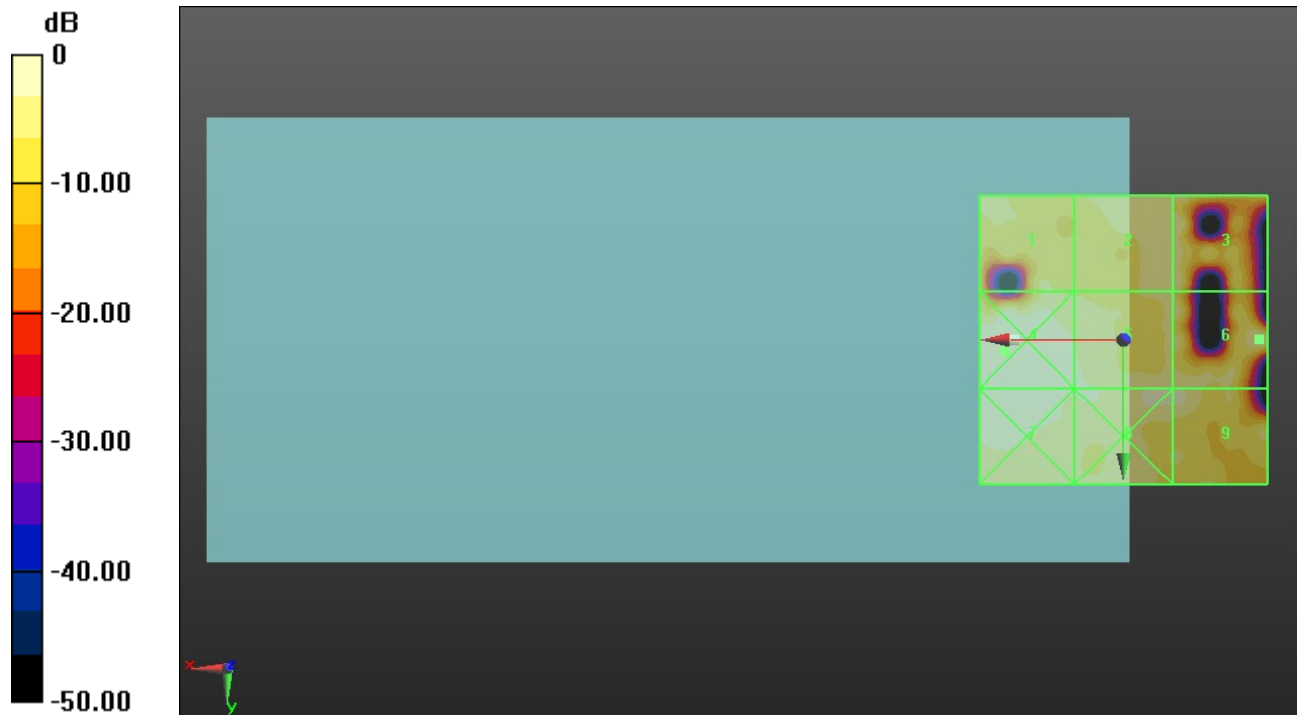
Applied MIF = -3.15 dB

RF audio interference level = 13.40 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 9.49 dBV/m	Grid 2 M4 11.87 dBV/m	Grid 3 M4 12 dBV/m
Grid 4 M4 15.41 dBV/m	Grid 5 M4 12.51 dBV/m	Grid 6 M4 13.4 dBV/m
Grid 7 M4 14.71 dBV/m	Grid 8 M4 13.06 dBV/m	Grid 9 M4 12.92 dBV/m



0 dB = 5.894 V/m = 15.41 dBV/m

HAC-RF Emission ANT5

Communication System: UID 10069 - CAD, IEEE 802.11a/h WiFi 5 GHz (OFDM, 54 Mbps); Frequency: 5825 MHz; Duty Cycle: 1:11.3789

Phantom section: RF Section

DASY5 Configuration:

- Probe: EF3DV3 - SN4028; ConvF(1, 1, 1) @ 5825 MHz; Calibrated: 8/13/2021
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1434; Calibrated: 11/11/2021
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.10 (4);SEMCAD X Version 14.6.14 (7495)

802.11a E-Field measurement/IEEE 802.11a_OFDM 54 Mbps Ch. 165/Hearing Aid Compatibility Test (101x101x1): Interpolated grid: dx=0.5000 mm, dy=0.5000 mm

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 4.771 V/m; Power Drift = -0.10 dB

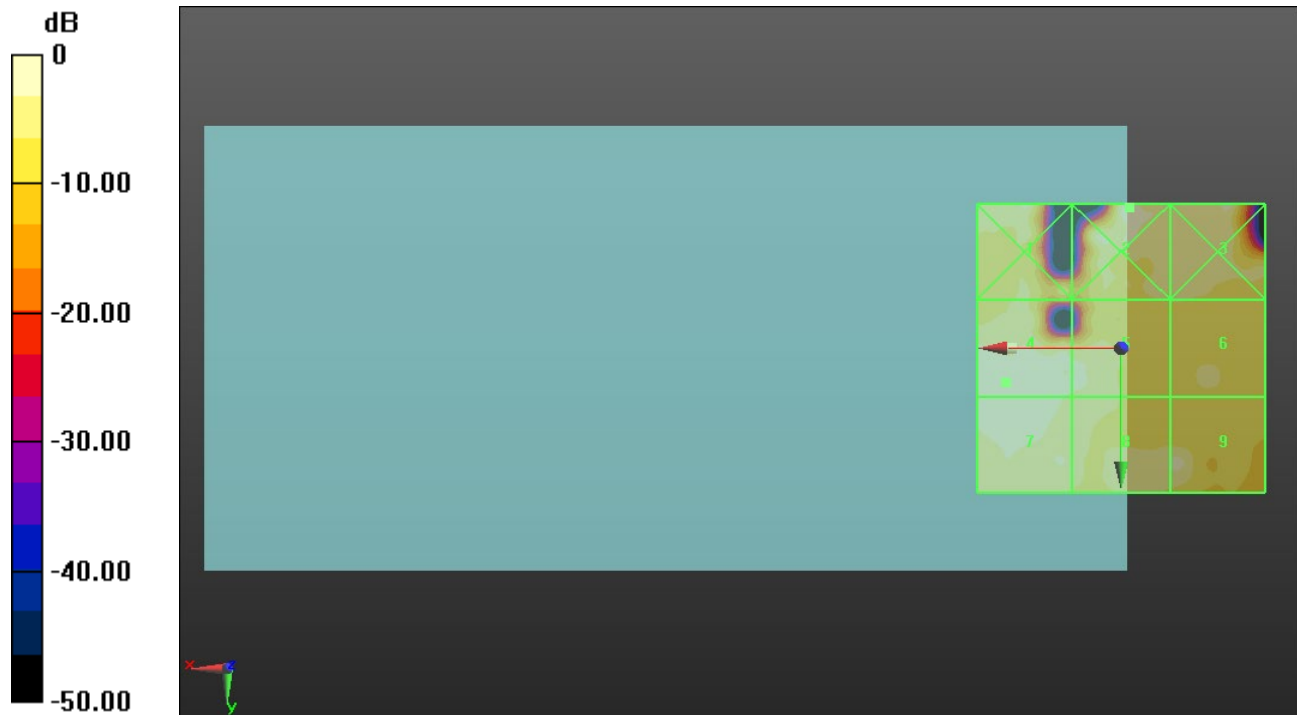
Applied MIF = -3.15 dB

RF audio interference level = 15.78 dBV/m

Emission category: **M4**

MIF scaled E-field

Grid 1 M4 14.48 dBV/m	Grid 2 M4 16.91 dBV/m	Grid 3 M4 15.99 dBV/m
Grid 4 M4 15.78 dBV/m	Grid 5 M4 14.03 dBV/m	Grid 6 M4 11.73 dBV/m
Grid 7 M4 15.48 dBV/m	Grid 8 M4 13.8 dBV/m	Grid 9 M4 14.35 dBV/m



0 dB = 7.004 V/m = 16.91 dBV/m

HAC-RF Emission ANT7

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

Phantom section: RF Section

DASY5 Configuration:

- Probe: EF3DV3 - SN4028; ConvF(1, 1, 1) @ 3560 MHz; Calibrated: 8/13/2021
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1434; Calibrated: 11/11/2021
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7495)

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 = 9.980 V/m; Power Drift = -0.01 dB

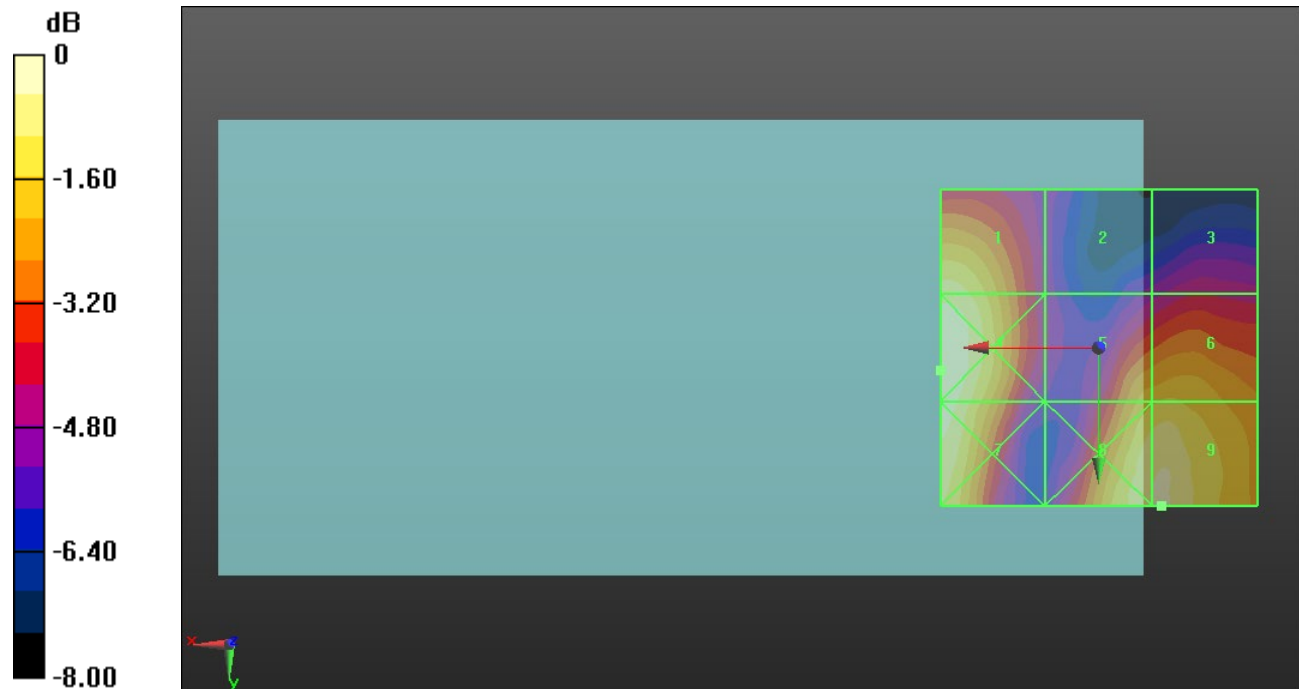
Applied MIF = -1.44 dB

RF audio interference level = 22.25 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 21.99 dBV/m	Grid 2 M4 17.99 dBV/m	Grid 3 M4 18.47 dBV/m
Grid 4 M4 22.71 dBV/m	Grid 5 M4 21.03 dBV/m	Grid 6 M4 21.22 dBV/m
Grid 7 M4 22.53 dBV/m	Grid 8 M4 22.2 dBV/m	Grid 9 M4 22.25 dBV/m



0 dB = 13.66 V/m = 22.71 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 - SN4028; ConvF(1, 1, 1) @ 3603.3 MHz; Calibrated: 8/13/2021
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1434; Calibrated: 11/11/2021
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7495)

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 = 10.86 V/m; Power Drift = -0.00 dB

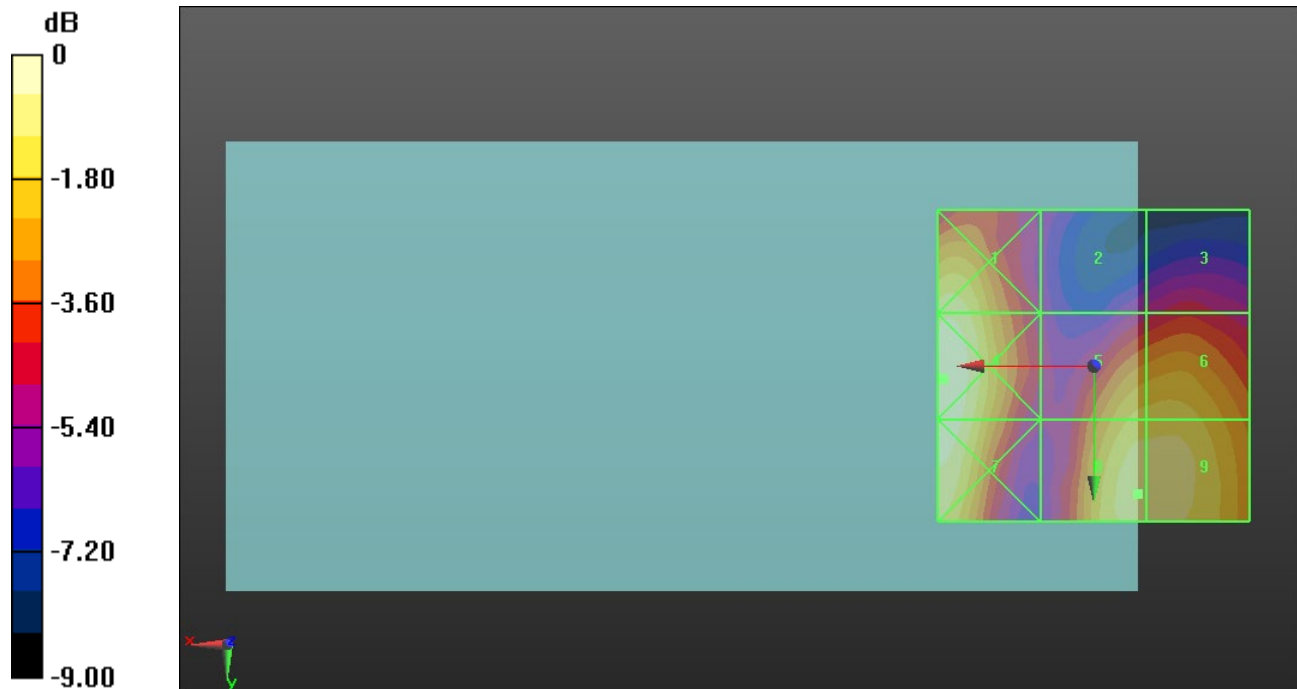
Applied MIF = -1.44 dB

RF audio interference level = 22.20 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 22.22 dBV/m	Grid 2 M4 17.89 dBV/m	Grid 3 M4 18.61 dBV/m
Grid 4 M4 22.91 dBV/m	Grid 5 M4 21.36 dBV/m	Grid 6 M4 21.47 dBV/m
Grid 7 M4 22.78 dBV/m	Grid 8 M4 22.2 dBV/m	Grid 9 M4 22.14 dBV/m



0 dB = 13.98 V/m = 22.91 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 - SN4028; ConvF(1, 1, 1) @ 3646.7 MHz; Calibrated: 8/13/2021
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1434; Calibrated: 11/11/2021
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7495)

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 = 12.57 V/m; Power Drift = 0.11 dB

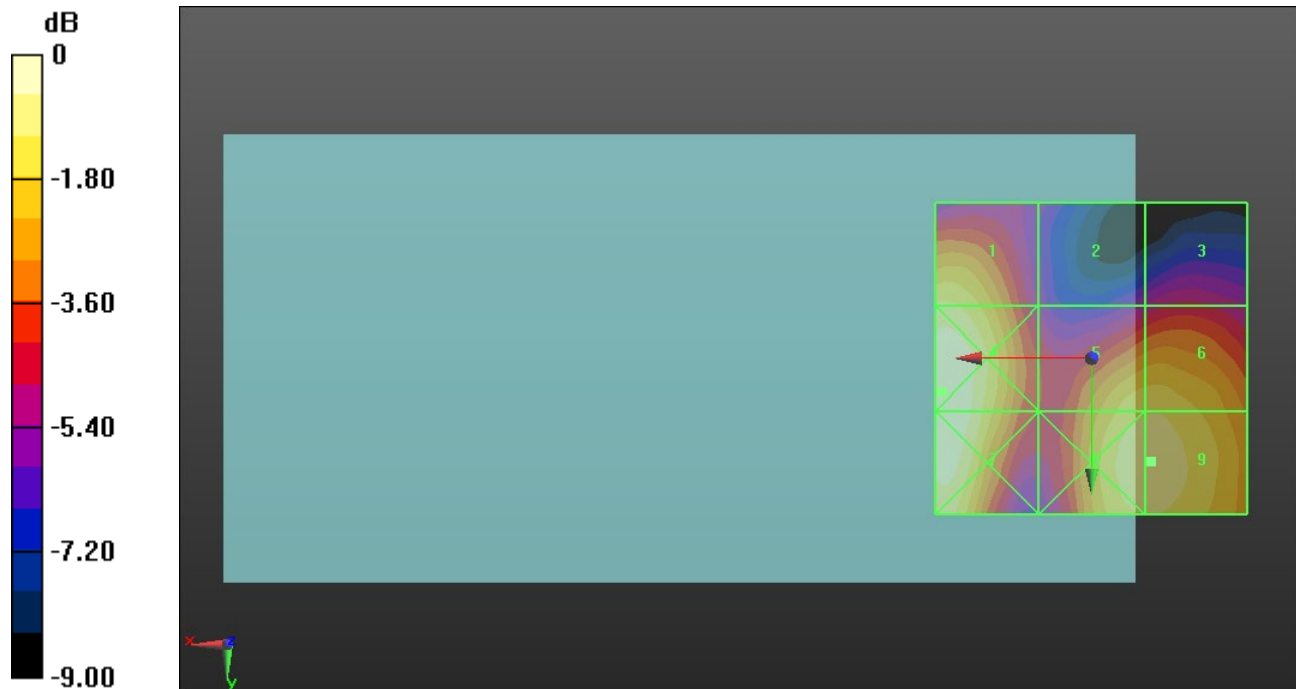
Applied MIF = -1.44 dB

RF audio interference level = 22.58 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 22.23 dBV/m	Grid 2 M4 17.97 dBV/m	Grid 3 M4 18.7 dBV/m
Grid 4 M4 23.3 dBV/m	Grid 5 M4 22.04 dBV/m	Grid 6 M4 22.07 dBV/m
Grid 7 M4 23.24 dBV/m	Grid 8 M4 22.57 dBV/m	Grid 9 M4 22.58 dBV/m



0 dB = 14.62 V/m = 23.30 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 - SN4028; ConvF(1, 1, 1) @ 3690 MHz; Calibrated: 8/13/2021
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1434; Calibrated: 11/11/2021
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7495)

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 = 13.05 V/m; Power Drift = -0.00 dB

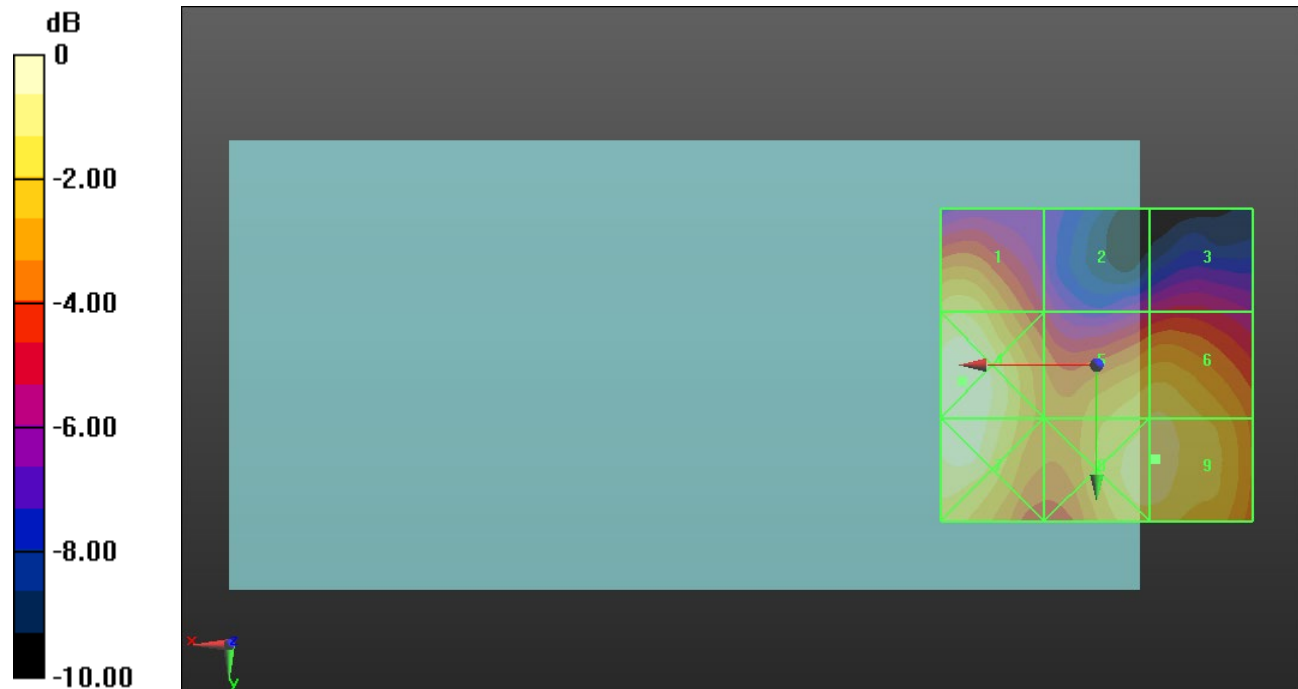
Applied MIF = -1.44 dB

RF audio interference level = 22.74 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 22.3 dBV/m	Grid 2 M4 18.55 dBV/m	Grid 3 M4 18.7 dBV/m
Grid 4 M4 23.64 dBV/m	Grid 5 M4 22.35 dBV/m	Grid 6 M4 22.41 dBV/m
Grid 7 M4 23.56 dBV/m	Grid 8 M4 22.71 dBV/m	Grid 9 M4 22.74 dBV/m



0 dB = 15.21 V/m = 23.64 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 - SN4028; ConvF(1, 1, 1) @ 3560 MHz; Calibrated: 8/13/2021
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1434; Calibrated: 11/11/2021
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7495)

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 = 30.15 V/m; Power Drift = -0.09 dB

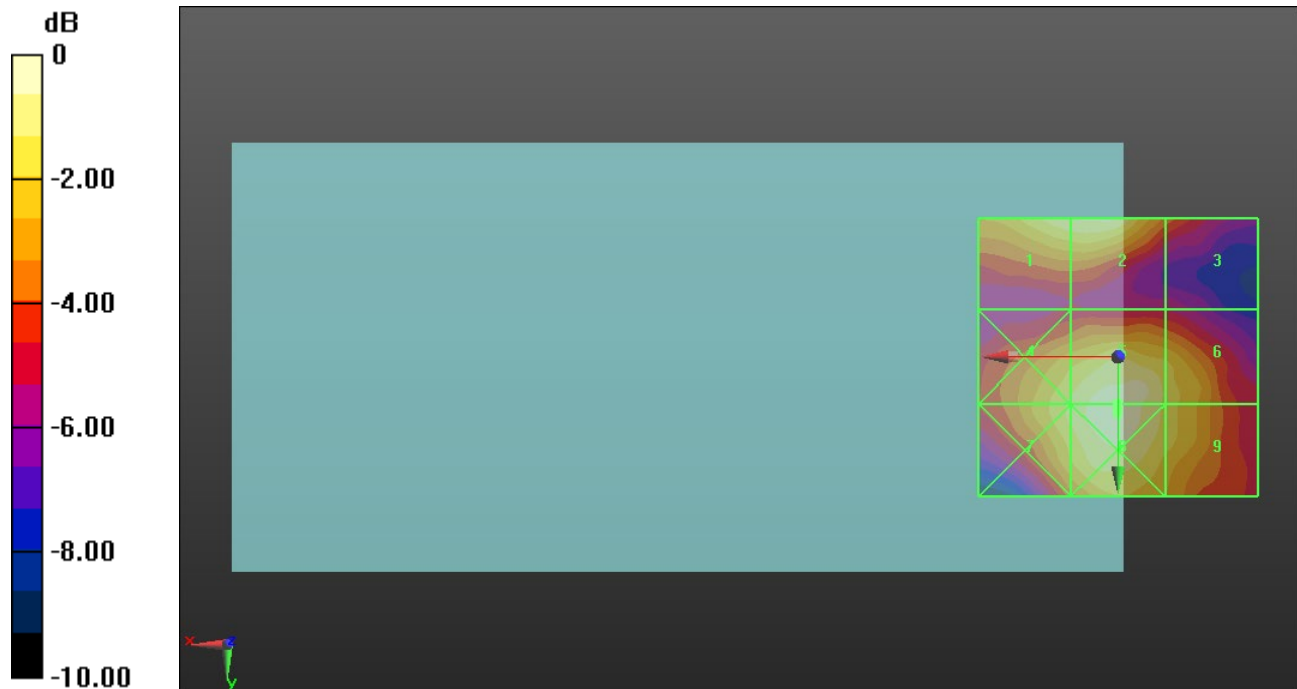
Applied MIF = -1.44 dB

RF audio interference level = 26.09 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 25.59 dBV/m	Grid 2 M4 25.77 dBV/m	Grid 3 M4 22.77 dBV/m
Grid 4 M4 24.98 dBV/m	Grid 5 M4 26.09 dBV/m	Grid 6 M4 24.74 dBV/m
Grid 7 M4 25.03 dBV/m	Grid 8 M4 26.18 dBV/m	Grid 9 M4 24.68 dBV/m



0 dB = 20.37 V/m = 26.18 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 - SN4028; ConvF(1, 1, 1) @ 3603.3 MHz; Calibrated: 8/13/2021
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1434; Calibrated: 11/11/2021
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7495)

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 = 31.91 V/m; Power Drift = -0.08 dB

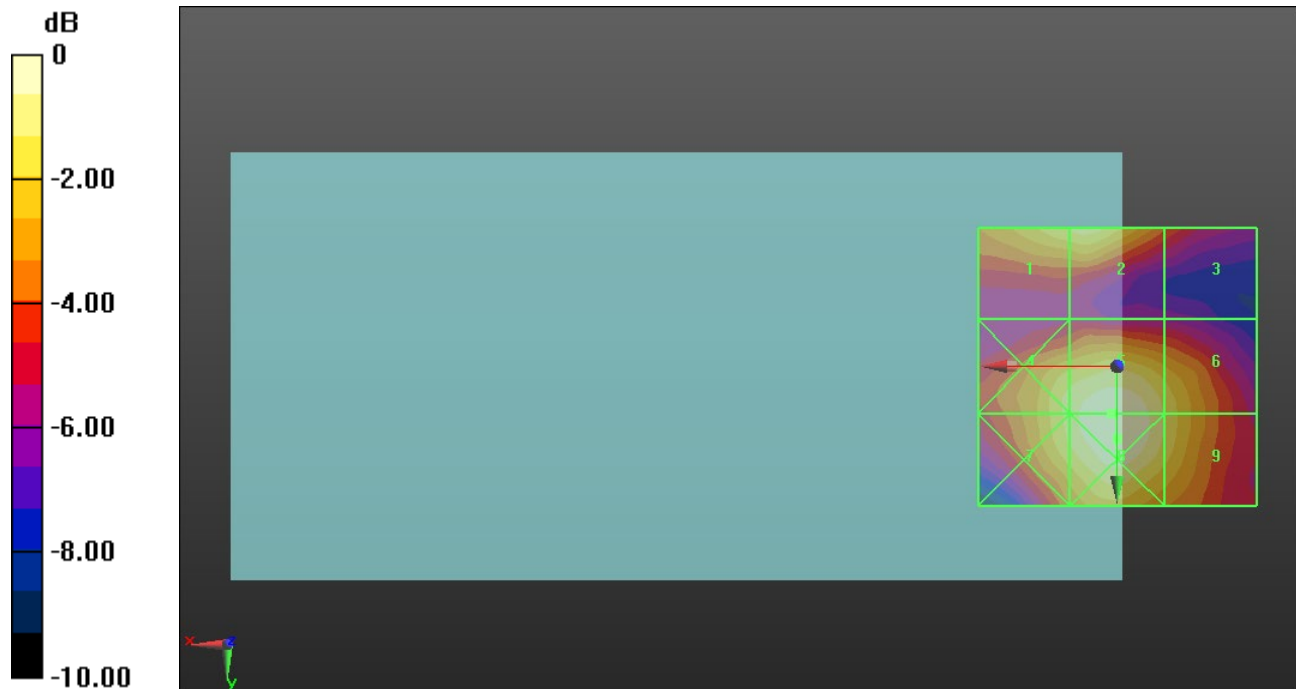
Applied MIF = -1.44 dB

RF audio interference level = 26.30 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 25.27 dBV/m	Grid 2 M4 25.49 dBV/m	Grid 3 M4 22.63 dBV/m
Grid 4 M4 25.42 dBV/m	Grid 5 M4 26.3 dBV/m	Grid 6 M4 25.04 dBV/m
Grid 7 M4 25.41 dBV/m	Grid 8 M4 26.43 dBV/m	Grid 9 M4 25.05 dBV/m



0 dB = 20.97 V/m = 26.43 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 - SN4028; ConvF(1, 1, 1) @ 3646.7 MHz; Calibrated: 8/13/2021
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1434; Calibrated: 11/11/2021
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.10 (4);SEMCAD X Version 14.6.14 (7495)

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 = 30.14 V/m; Power Drift = -0.19 dB

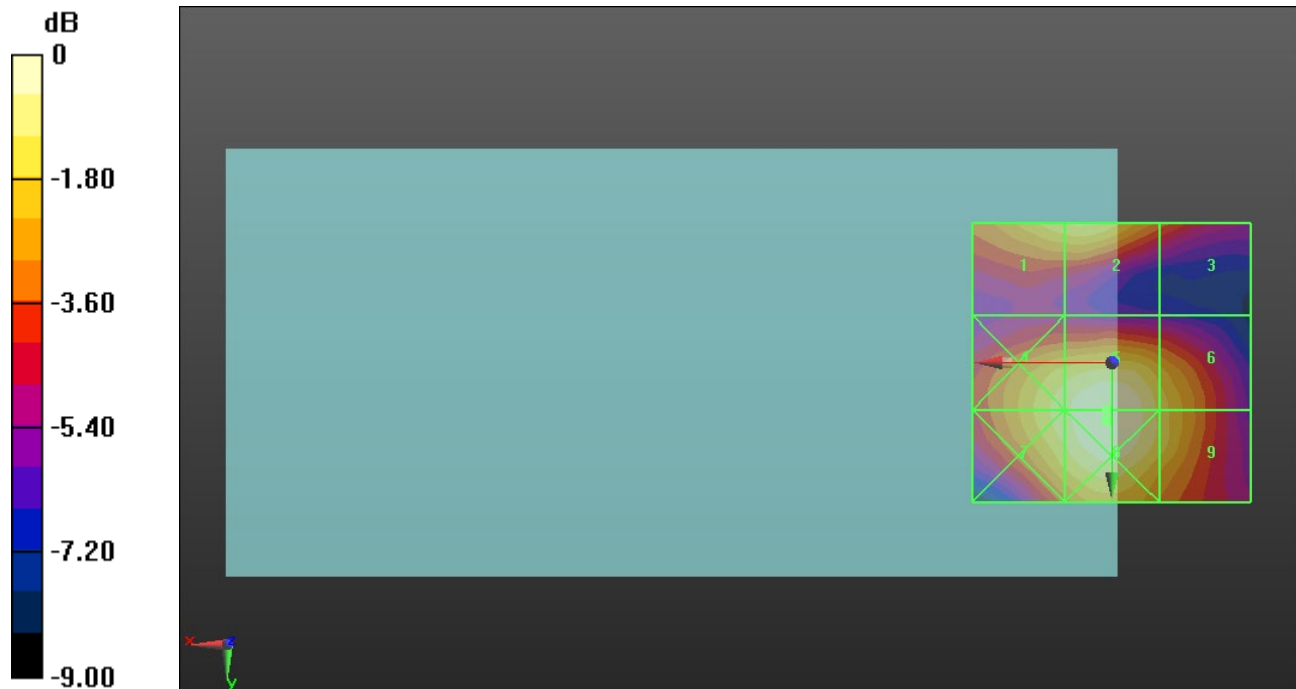
Applied MIF = -1.44 dB

RF audio interference level = 25.96 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 24.74 dBV/m	Grid 2 M4 24.91 dBV/m	Grid 3 M4 22.79 dBV/m
Grid 4 M4 25.23 dBV/m	Grid 5 M4 25.96 dBV/m	Grid 6 M4 24.62 dBV/m
Grid 7 M4 25.24 dBV/m	Grid 8 M4 25.98 dBV/m	Grid 9 M4 24.66 dBV/m



0 dB = 19.91 V/m = 25.98 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 - SN4028; ConvF(1, 1, 1) @ 3690 MHz; Calibrated: 8/13/2021
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1434; Calibrated: 11/11/2021
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7495)

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 = 29.24 V/m; Power Drift = 0.15 dB

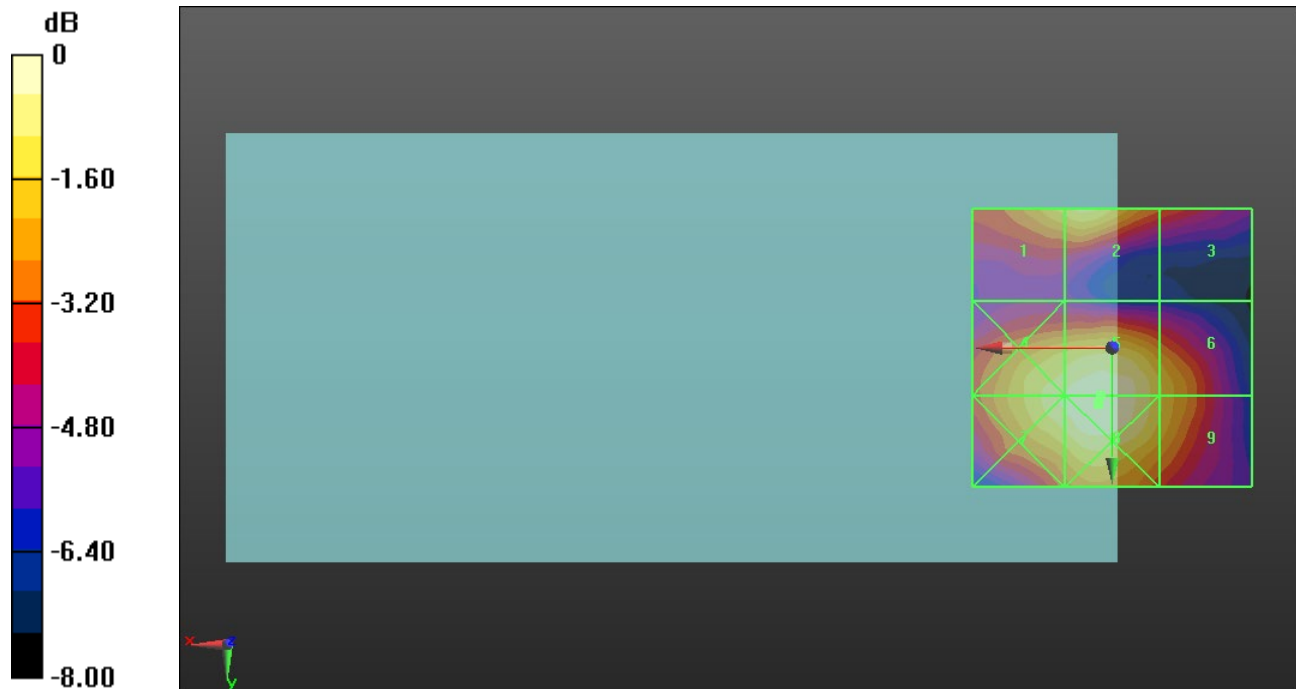
Applied MIF = -1.44 dB

RF audio interference level = 26.30 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 25.08 dBV/m	Grid 2 M4 25.43 dBV/m	Grid 3 M4 23.36 dBV/m
Grid 4 M4 25.86 dBV/m	Grid 5 M4 26.3 dBV/m	Grid 6 M4 24.88 dBV/m
Grid 7 M4 25.91 dBV/m	Grid 8 M4 26.35 dBV/m	Grid 9 M4 24.88 dBV/m



0 dB = 20.77 V/m = 26.35 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 - SN4028; ConvF(1, 1, 1) @ 3560 MHz; Calibrated: 8/13/2021
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1434; Calibrated: 11/11/2021
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7495)

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 = 4.859 V/m; Power Drift = 0.04 dB

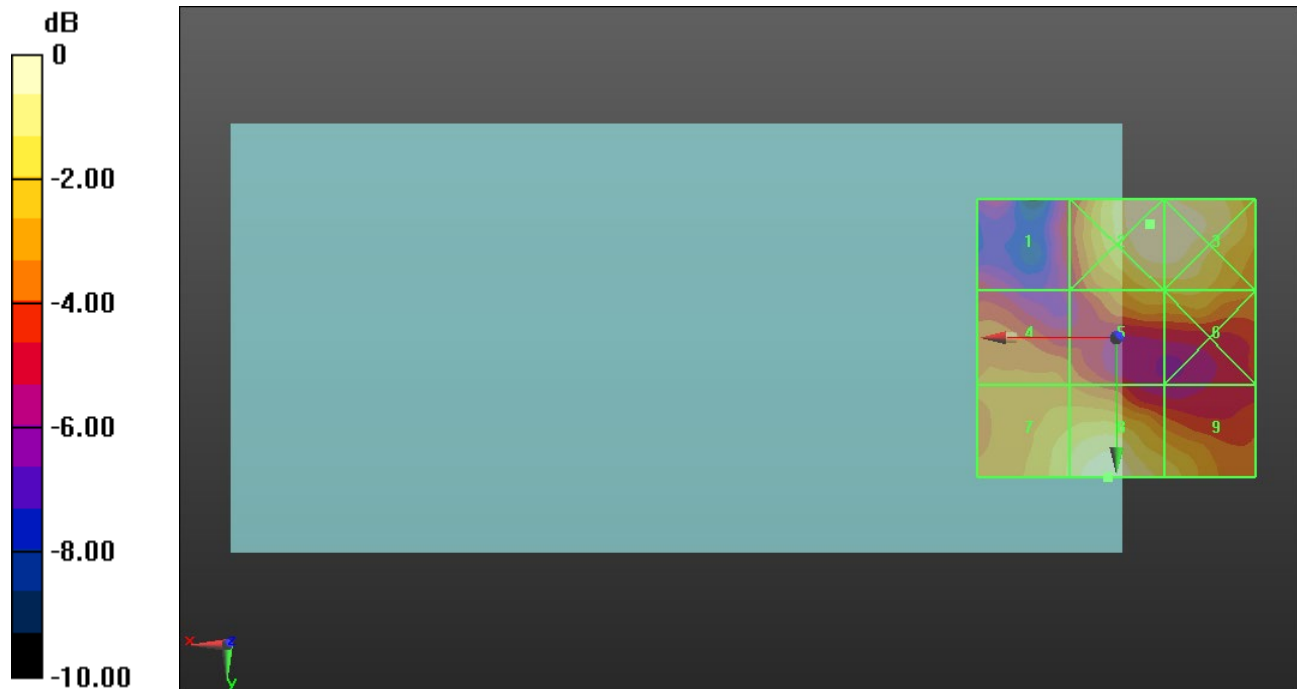
Applied MIF = -1.44 dB

RF audio interference level = 15.25 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 11.01 dBV/m	Grid 2 M4 15.44 dBV/m	Grid 3 M4 15.22 dBV/m
Grid 4 M4 12.36 dBV/m	Grid 5 M4 13.55 dBV/m	Grid 6 M4 13.65 dBV/m
Grid 7 M4 14.26 dBV/m	Grid 8 M4 15.25 dBV/m	Grid 9 M4 14 dBV/m



0 dB = 5.913 V/m = 15.44 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 - SN4028; ConvF(1, 1, 1) @ 3603.3 MHz; Calibrated: 8/13/2021
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1434; Calibrated: 11/11/2021
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.10 (4);SEMCAD X Version 14.6.14 (7495)

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 = 6.374 V/m; Power Drift = -0.17 dB

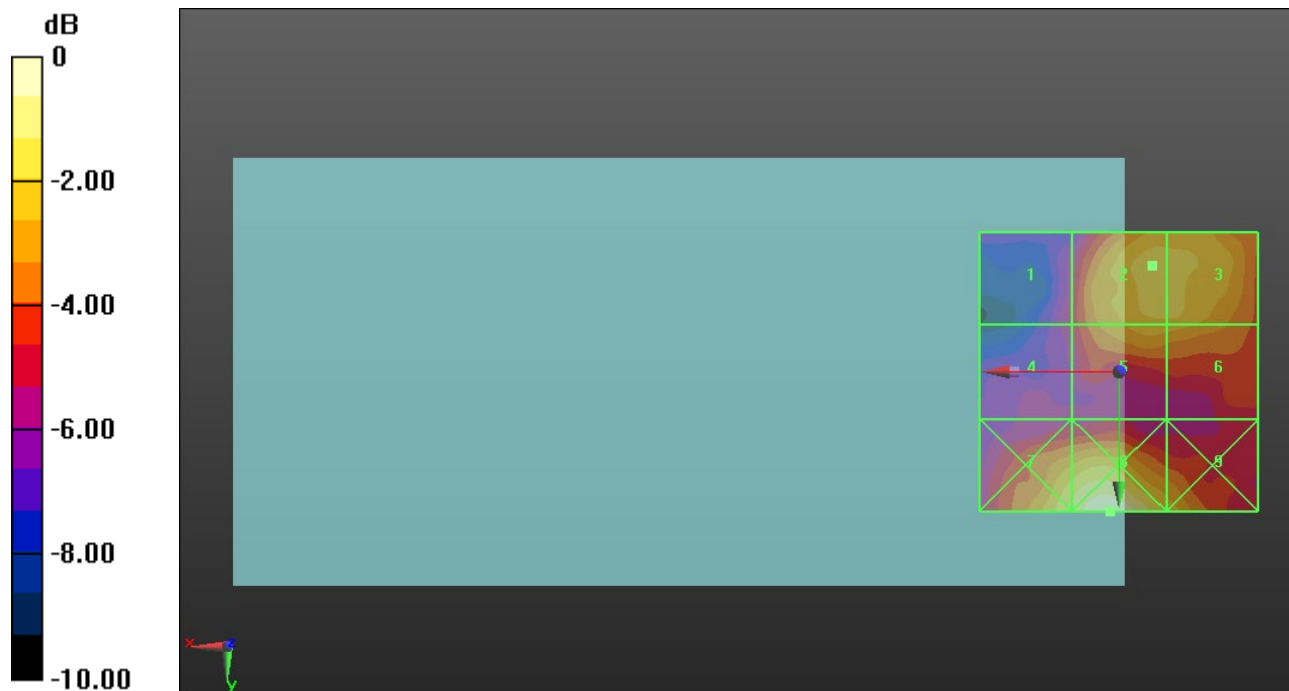
Applied MIF = -1.44 dB

RF audio interference level = 15.19 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 11.69 dBV/m	Grid 2 M4 15.19 dBV/m	Grid 3 M4 15.07 dBV/m
Grid 4 M4 11.65 dBV/m	Grid 5 M4 14.6 dBV/m	Grid 6 M4 14.57 dBV/m
Grid 7 M4 15.67 dBV/m	Grid 8 M4 16.8 dBV/m	Grid 9 M4 14.77 dBV/m



0 dB = 6.918 V/m = 16.80 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 - SN4028; ConvF(1, 1, 1) @ 3646.7 MHz; Calibrated: 8/13/2021
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1434; Calibrated: 11/11/2021
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7495)

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 = 6.393 V/m; Power Drift = -0.11 dB

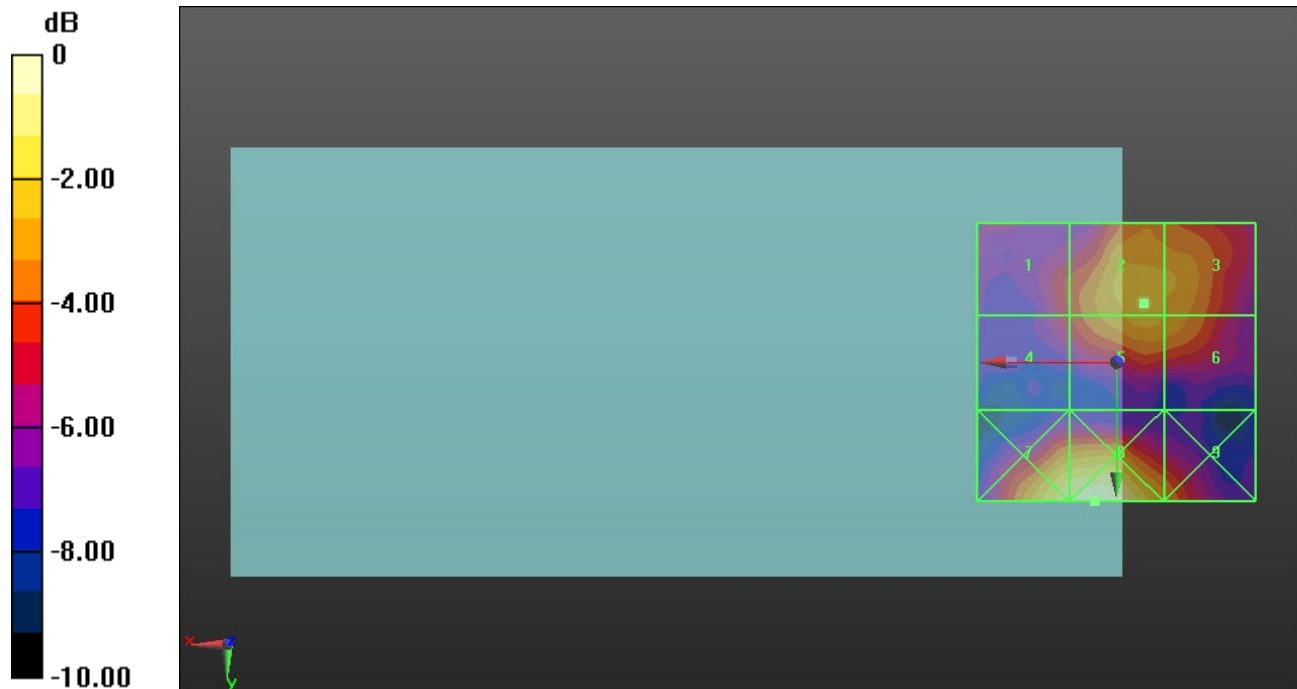
Applied MIF = -1.44 dB

RF audio interference level = 14.67 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 12.07 dBV/m	Grid 2 M4 14.67 dBV/m	Grid 3 M4 14.08 dBV/m
Grid 4 M4 11.84 dBV/m	Grid 5 M4 14.39 dBV/m	Grid 6 M4 13.76 dBV/m
Grid 7 M4 15.77 dBV/m	Grid 8 M4 16.5 dBV/m	Grid 9 M4 13.6 dBV/m



0 dB = 6.687 V/m = 16.50 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 - SN4028; ConvF(1, 1, 1) @ 3690 MHz; Calibrated: 8/13/2021
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1434; Calibrated: 11/11/2021
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7495)

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 = 6.653 V/m; Power Drift = -0.01 dB

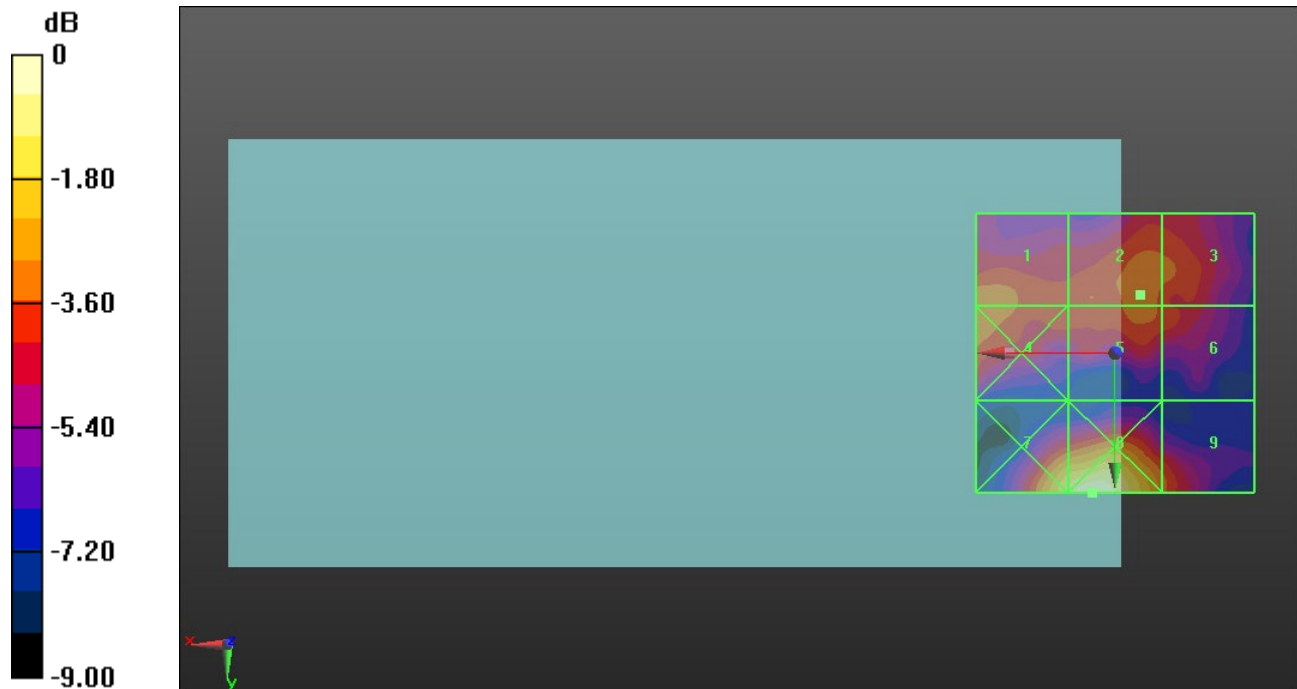
Applied MIF = -1.44 dB

RF audio interference level = 14.38 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 14.33 dBV/m	Grid 2 M4 14.38 dBV/m	Grid 3 M4 14.03 dBV/m
Grid 4 M4 14.33 dBV/m	Grid 5 M4 14.22 dBV/m	Grid 6 M4 13.66 dBV/m
Grid 7 M4 16.44 dBV/m	Grid 8 M4 17.41 dBV/m	Grid 9 M4 14.13 dBV/m



0 dB = 7.419 V/m = 17.41 dBV/m