

HAC-RF Emission ANT 1

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

Phantom section: RF Section

DASY5 Configuration:

- Probe: EF3DV3 - SN4041; ConvF(1, 1, 1) @ 824.2 MHz; Calibrated: 3/22/2021
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1547; Calibrated: 4/19/2021
- 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)

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 = 21.02 V/m; Power Drift = 0.06 dB

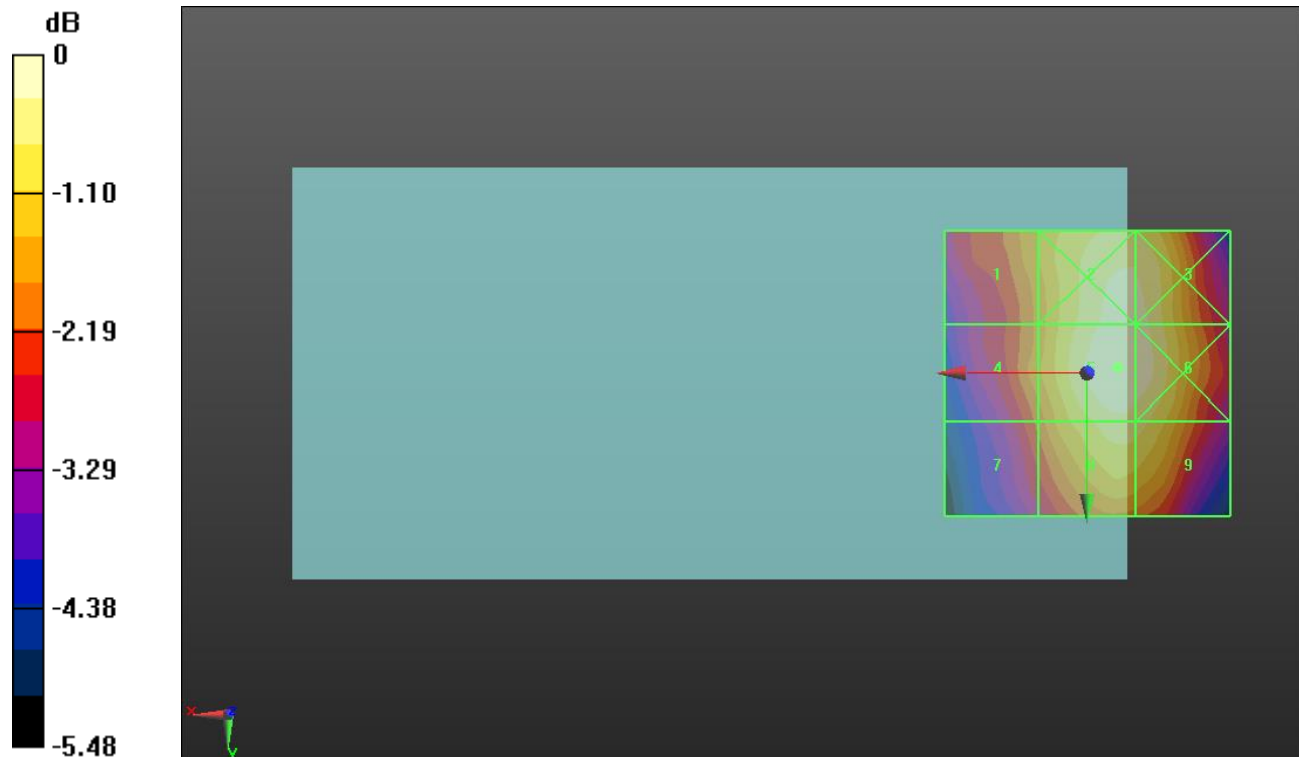
Applied MIF = 3.63 dB

RF audio interference level = 27.75 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 26.33 dBV/m	Grid 2 M4 27.6 dBV/m	Grid 3 M4 27.57 dBV/m
Grid 4 M4 26.24 dBV/m	Grid 5 M4 27.75 dBV/m	Grid 6 M4 27.68 dBV/m
Grid 7 M4 25.71 dBV/m	Grid 8 M4 27.3 dBV/m	Grid 9 M4 27.21 dBV/m



0 dB = 24.42 V/m = 27.75 dBV/m

HAC-RF Emission ANT 1

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

Phantom section: RF Section

DASY5 Configuration:

- Probe: EF3DV3 - SN4041; ConvF(1, 1, 1) @ 836.6 MHz; Calibrated: 3/22/2021
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1547; Calibrated: 4/19/2021
- 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)

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 = 21.16 V/m; Power Drift = -0.21 dB

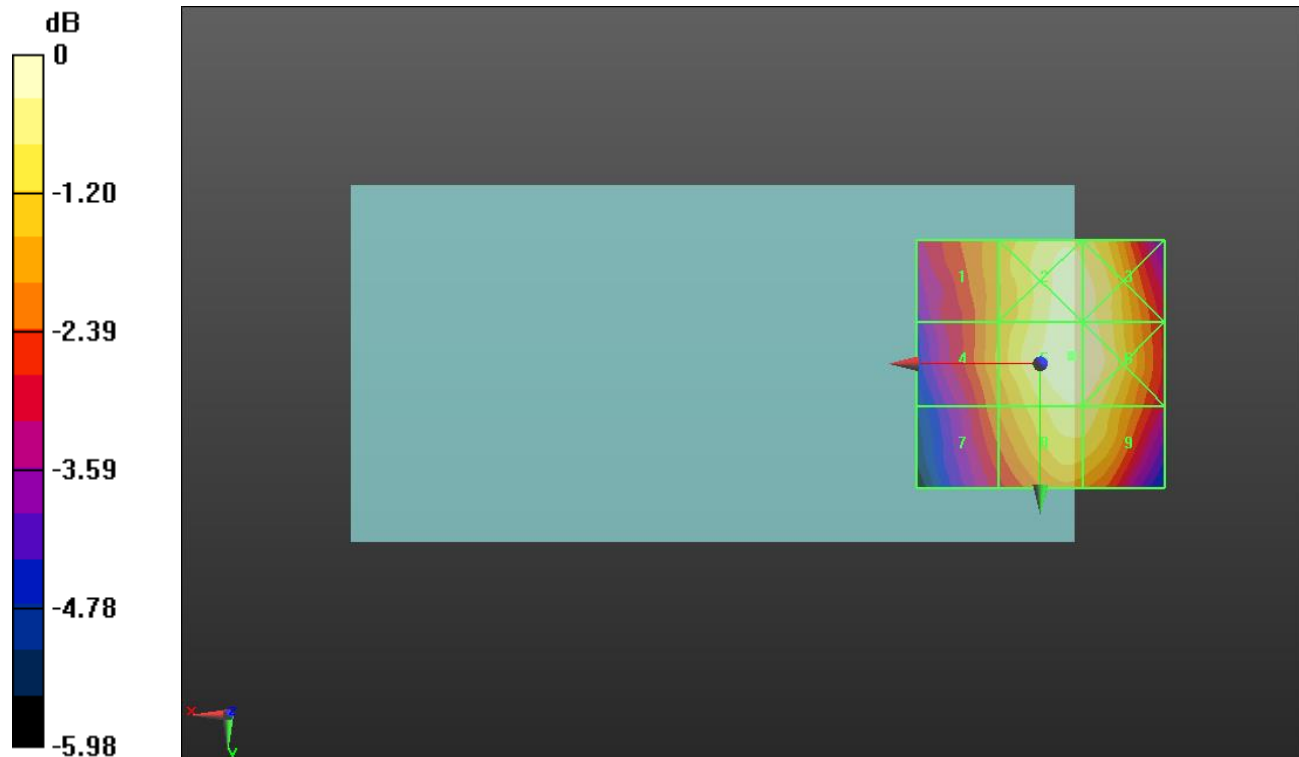
Applied MIF = 3.63 dB

RF audio interference level = 27.71 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 26.13 dBV/m	Grid 2 M4 27.59 dBV/m	Grid 3 M4 27.53 dBV/m
Grid 4 M4 26.22 dBV/m	Grid 5 M4 27.71 dBV/m	Grid 6 M4 27.67 dBV/m
Grid 7 M4 25.77 dBV/m	Grid 8 M4 27.29 dBV/m	Grid 9 M4 27.25 dBV/m



0 dB = 24.29 V/m = 27.71 dBV/m

HAC-RF Emission ANT 1

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

Phantom section: RF Section

DASY5 Configuration:

- Probe: EF3DV3 - SN4041; ConvF(1, 1, 1) @ 848.6 MHz; Calibrated: 3/22/2021
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1547; Calibrated: 4/19/2021
- 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)

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 = 18.86 V/m; Power Drift = 0.17 dB

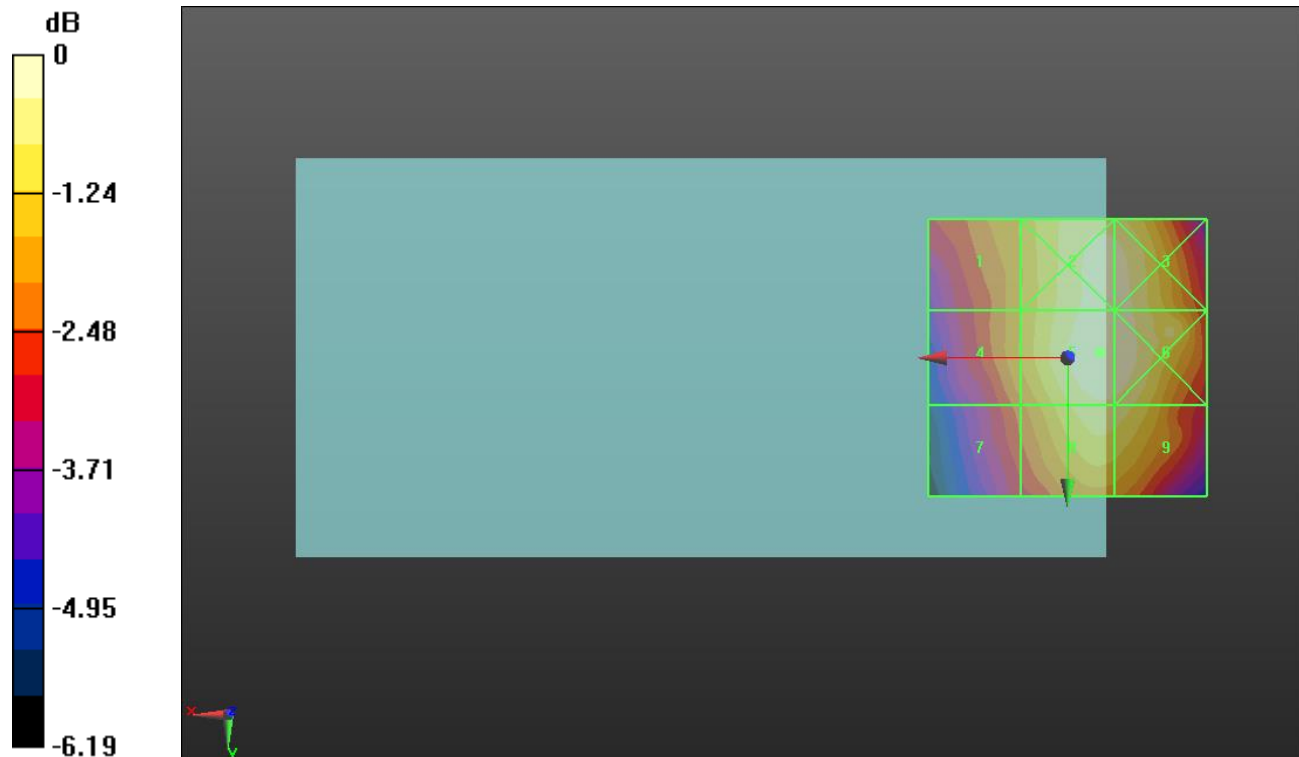
Applied MIF = 3.63 dB

RF audio interference level = 26.83 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 25.22 dBV/m	Grid 2 M4 26.66 dBV/m	Grid 3 M4 26.66 dBV/m
Grid 4 M4 25.23 dBV/m	Grid 5 M4 26.83 dBV/m	Grid 6 M4 26.77 dBV/m
Grid 7 M4 24.63 dBV/m	Grid 8 M4 26.35 dBV/m	Grid 9 M4 26.3 dBV/m



0 dB = 21.94 V/m = 26.82 dBV/m

HAC-RF Emission ANT 1

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

Phantom section: RF Section

DASY5 Configuration:

- Probe: EF3DV3 - SN4041; ConvF(1, 1, 1) @ 1850.2 MHz; Calibrated: 3/22/2021
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1547; Calibrated: 4/19/2021
- 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)

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 = 13.04 V/m; Power Drift = -0.18 dB

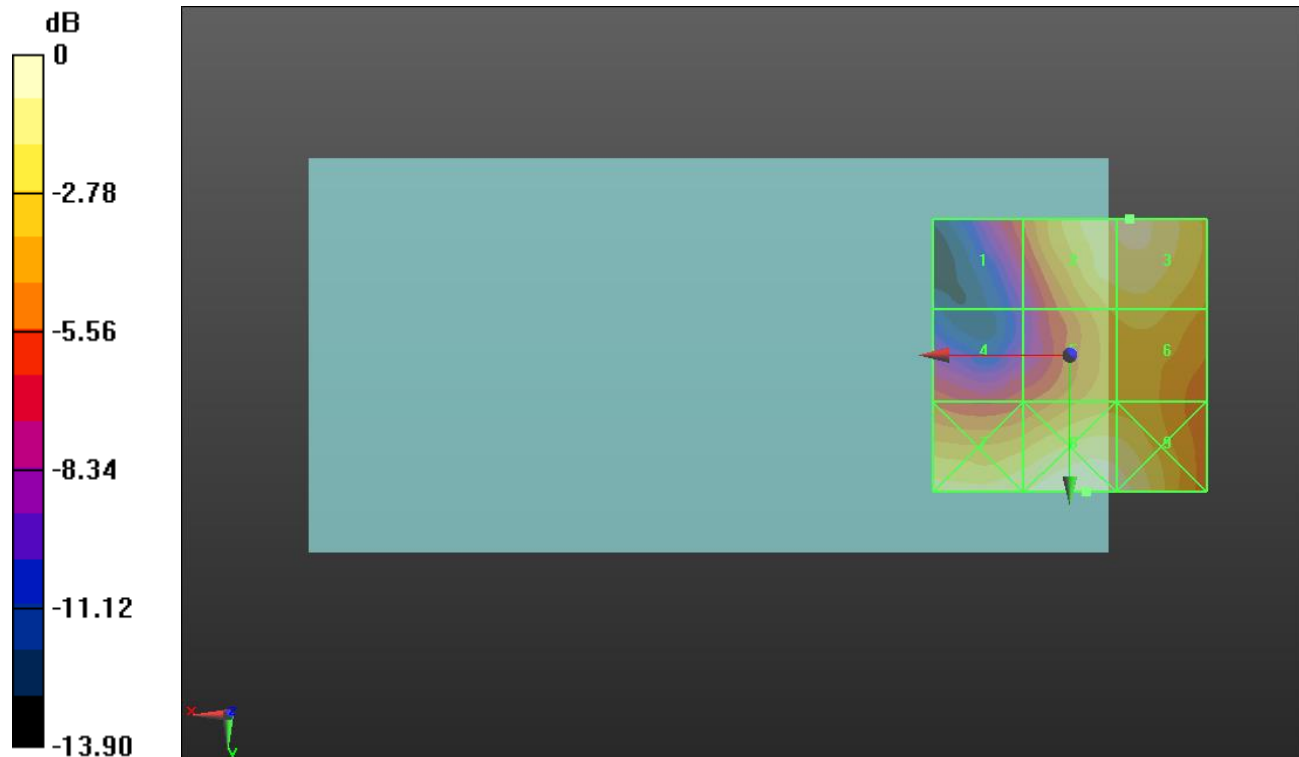
Applied MIF = 3.63 dB

RF audio interference level = 28.30 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 23.52 dBV/m	Grid 2 M4 28.2 dBV/m	Grid 3 M4 28.3 dBV/m
Grid 4 M4 23.27 dBV/m	Grid 5 M4 26.45 dBV/m	Grid 6 M4 26.76 dBV/m
Grid 7 M4 28.05 dBV/m	Grid 8 M4 28.98 dBV/m	Grid 9 M4 28.54 dBV/m



0 dB = 28.11 V/m = 28.98 dBV/m

HAC-RF Emission ANT 1

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

Phantom section: RF Section

DASY5 Configuration:

- Probe: EF3DV3 - SN4041; ConvF(1, 1, 1) @ 1880 MHz; Calibrated: 3/22/2021
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1547; Calibrated: 4/19/2021
- 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)

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

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

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 17.03 V/m; Power Drift = -0.09 dB

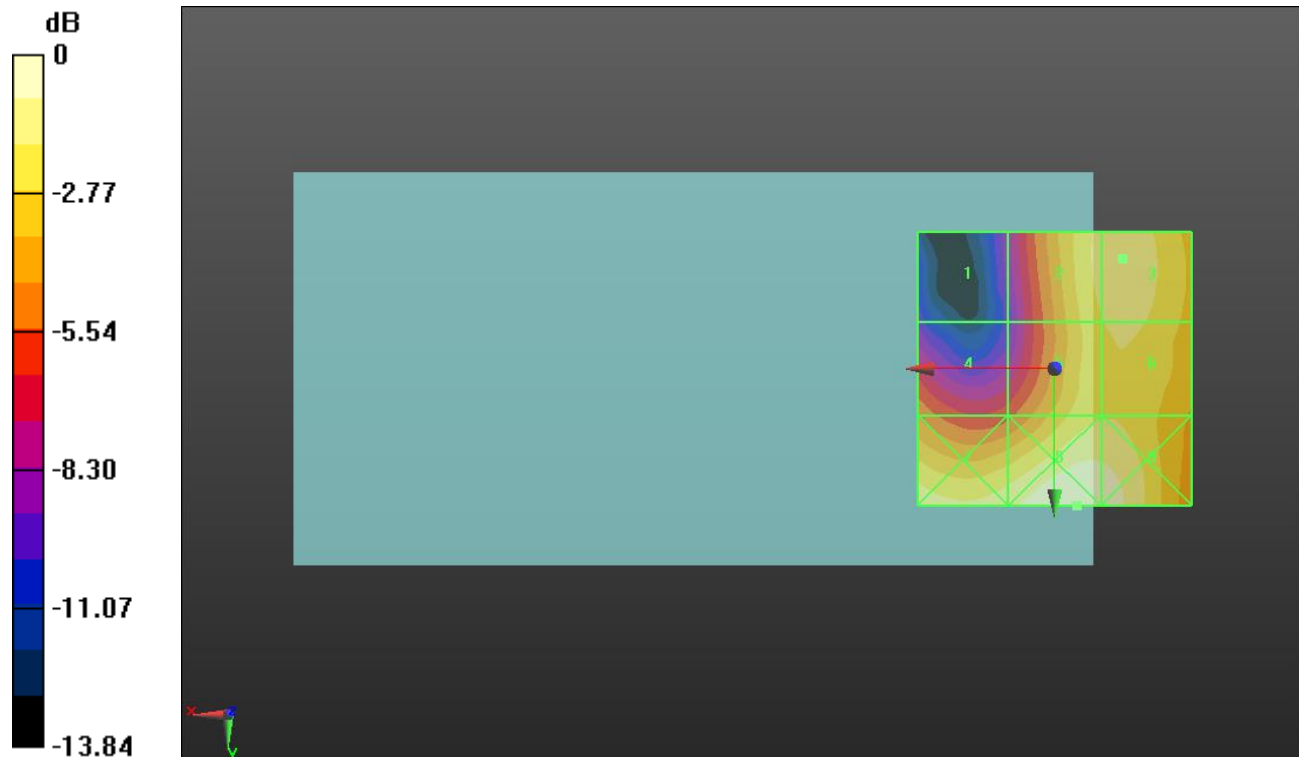
Applied MIF = 3.63 dB

RF audio interference level = 29.13 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 21.83 dBV/m	Grid 2 M4 28.78 dBV/m	Grid 3 M4 29.13 dBV/m
Grid 4 M4 25.6 dBV/m	Grid 5 M4 28.38 dBV/m	Grid 6 M4 28.66 dBV/m
Grid 7 M4 29.16 dBV/m	Grid 8 M3 30.27 dBV/m	Grid 9 M3 30.06 dBV/m



0 dB = 32.64 V/m = 30.28 dBV/m

HAC-RF Emission ANT 1

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

Phantom section: RF Section

DASY5 Configuration:

- Probe: EF3DV3 - SN4041; ConvF(1, 1, 1) @ 1909.8 MHz; Calibrated: 3/22/2021
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1547; Calibrated: 4/19/2021
- 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)

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 = 19.55 V/m; Power Drift = -0.06 dB

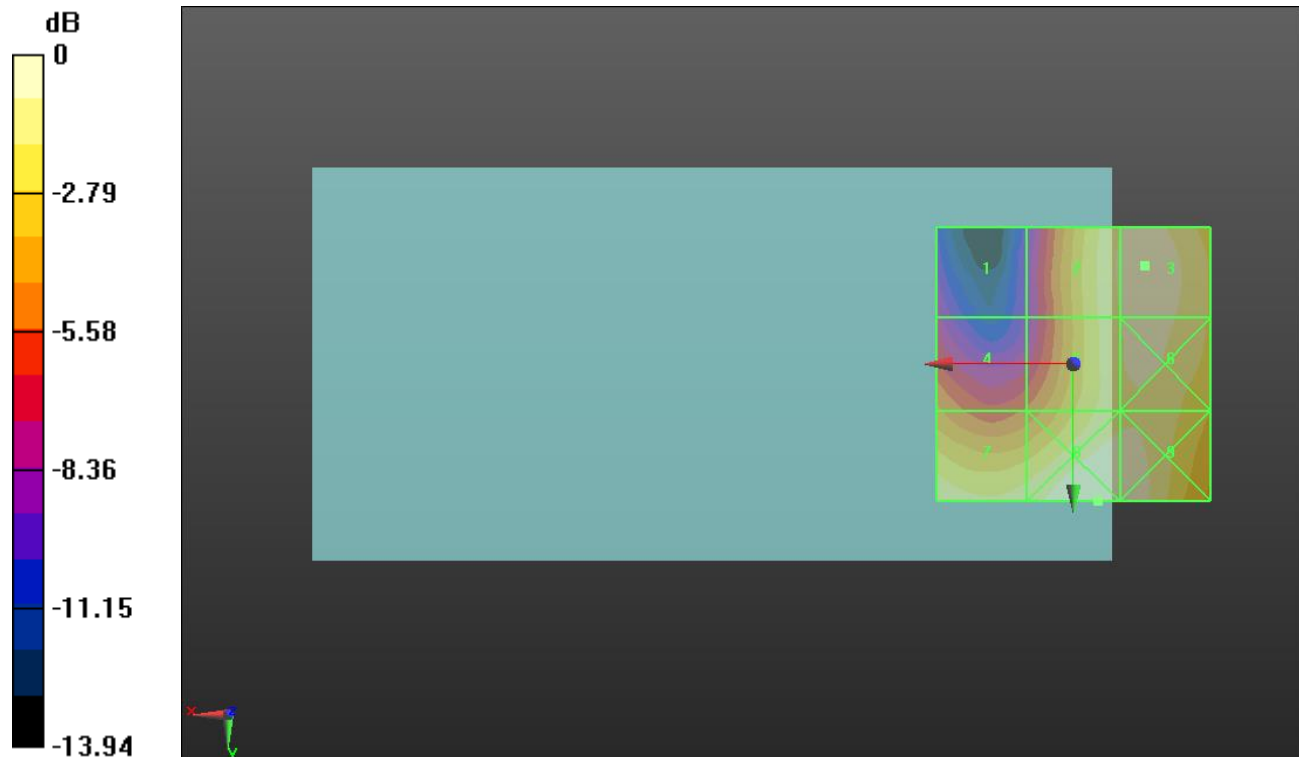
Applied MIF = 3.63 dB

RF audio interference level = 30.42 dBV/m

Emission category: M3

MIF scaled E-field

Grid 1 M4 22.92 dBV/m	Grid 2 M3 30.04 dBV/m	Grid 3 M3 30.42 dBV/m
Grid 4 M4 26.44 dBV/m	Grid 5 M4 29.87 dBV/m	Grid 6 M3 30.2 dBV/m
Grid 7 M4 29.86 dBV/m	Grid 8 M3 30.8 dBV/m	Grid 9 M3 30.69 dBV/m



0 dB = 34.68 V/m = 30.80 dBV/m

HAC-RF Emission ANT 1

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

Phantom section: RF Section

DASY5 Configuration:

- Probe: EF3DV3 - SN4041; ConvF(1, 1, 1) @ 2506 MHz; Calibrated: 3/22/2021
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1547; Calibrated: 4/19/2021
- 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.

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

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 9.245 V/m; Power Drift = -0.71 dB

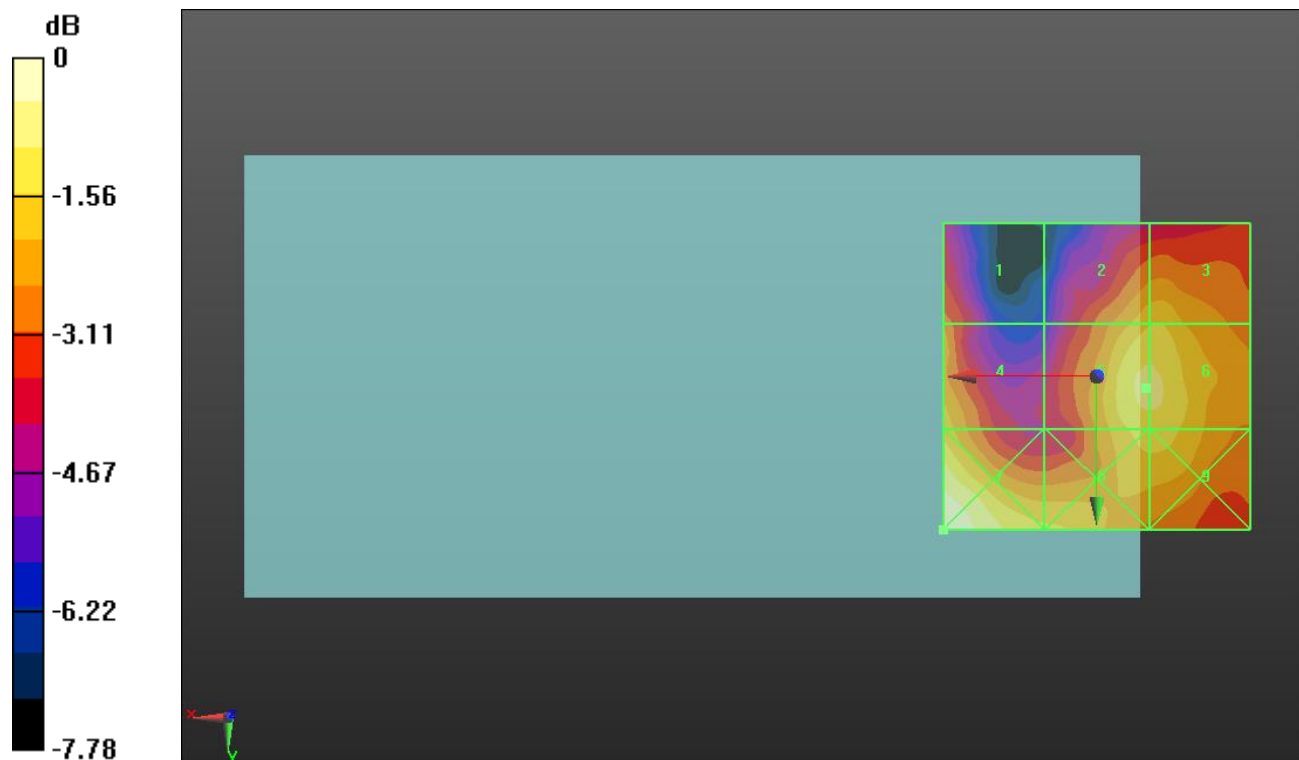
Applied MIF = -1.44 dB

RF audio interference level = 16.29 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 14.45 dBV/m	Grid 2 M4 15.64 dBV/m	Grid 3 M4 15.71 dBV/m
Grid 4 M4 15.53 dBV/m	Grid 5 M4 16.29 dBV/m	Grid 6 M4 16.29 dBV/m
Grid 7 M4 17.23 dBV/m	Grid 8 M4 15.98 dBV/m	Grid 9 M4 15.98 dBV/m



0 dB = 7.270 V/m = 17.23 dBV/m

HAC-RF Emission ANT 1

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

Phantom section: RF Section

DASY5 Configuration:

- Probe: EF3DV3 - SN4041; ConvF(1, 1, 1) @ 2549.5 MHz; Calibrated: 3/22/2021
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1547; Calibrated: 4/19/2021
- 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.

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 = 6.052 V/m; Power Drift = 0.36 dB

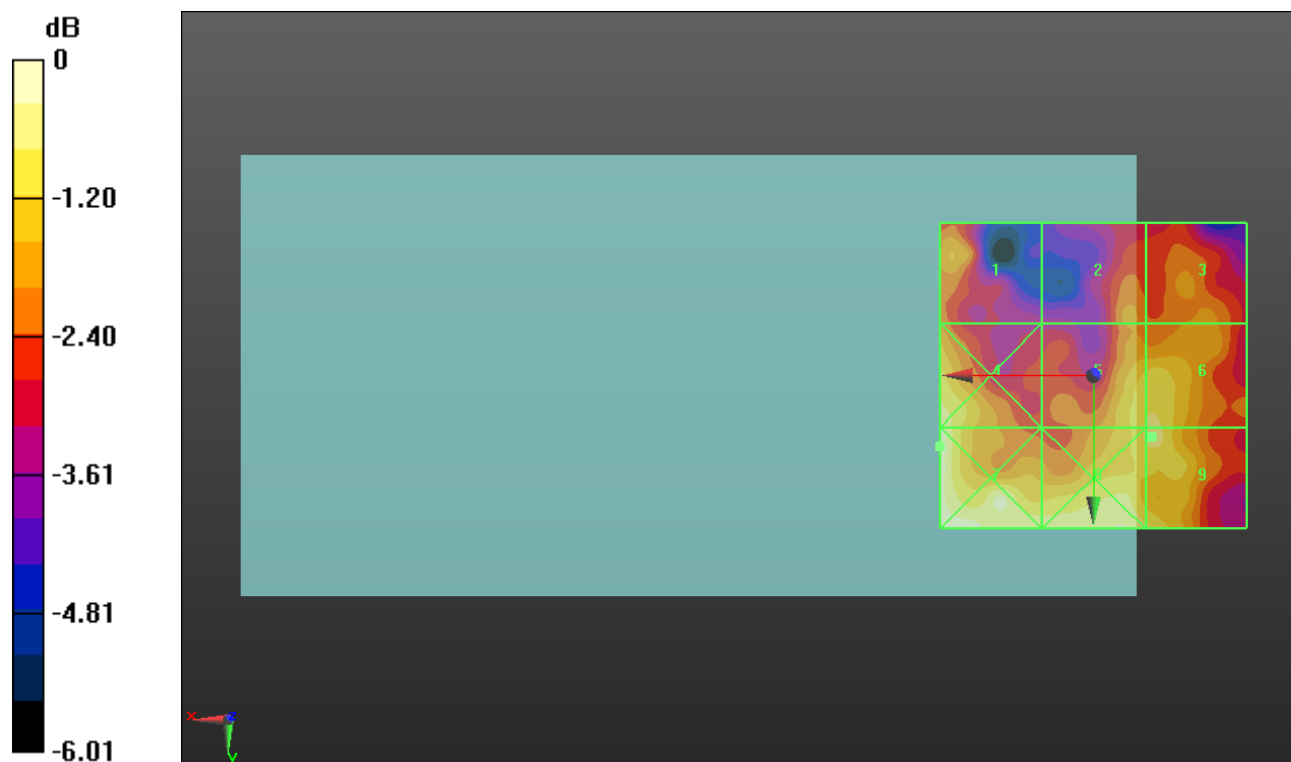
Applied MIF = -1.44 dB

RF audio interference level = 14.62 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 13.69 dBV/m	Grid 2 M4 13.44 dBV/m	Grid 3 M4 13.45 dBV/m
Grid 4 M4 15.07 dBV/m	Grid 5 M4 14.5 dBV/m	Grid 6 M4 14.57 dBV/m
Grid 7 M4 15.26 dBV/m	Grid 8 M4 14.93 dBV/m	Grid 9 M4 14.62 dBV/m



0 dB = 5.796 V/m = 15.26 dBV/m

HAC-RF Emission ANT 1

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

Phantom section: RF Section

DASY5 Configuration:

- Probe: EF3DV3 - SN4041; ConvF(1, 1, 1) @ 2593 MHz; Calibrated: 3/22/2021
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1547; Calibrated: 4/19/2021
- 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.

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 = 5.893 V/m; Power Drift = 0.11 dB

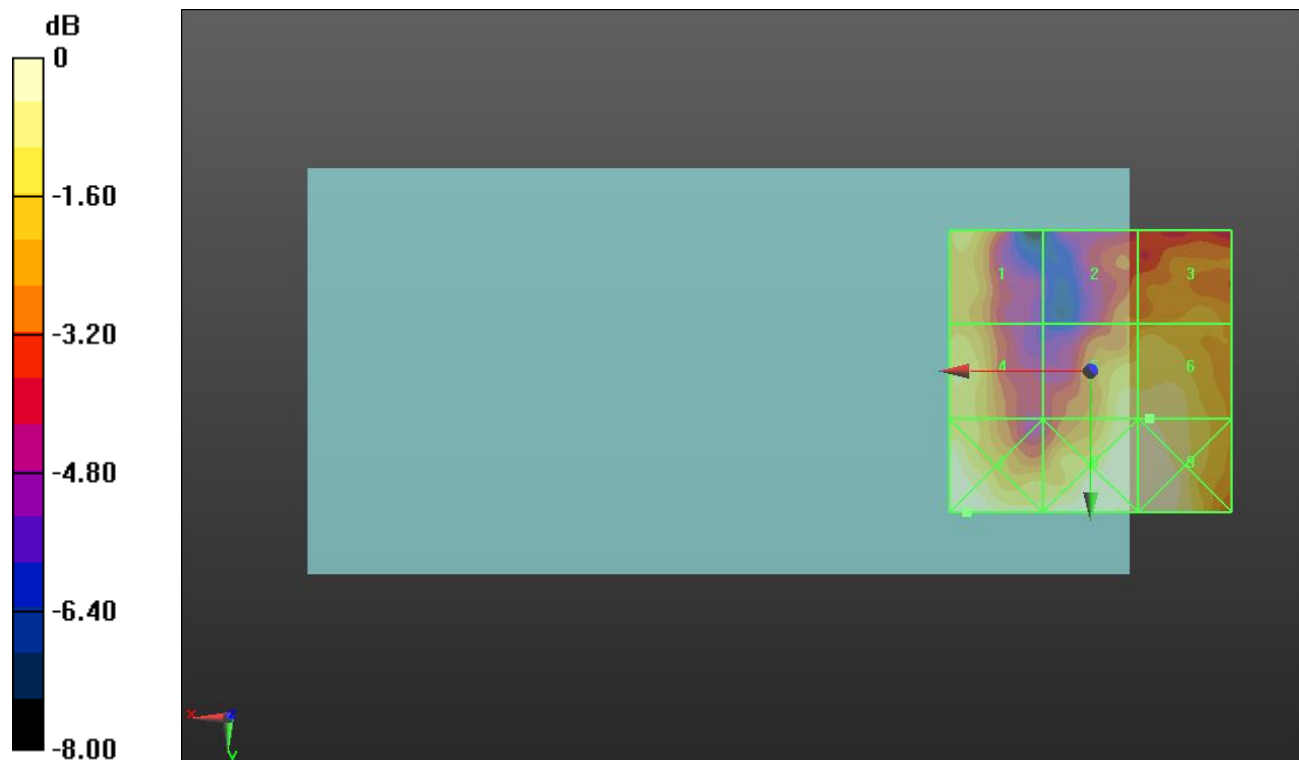
Applied MIF = -1.44 dB

RF audio interference level = 14.55 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 13.95 dBV/m	Grid 2 M4 12.6 dBV/m	Grid 3 M4 13.36 dBV/m
Grid 4 M4 14.1 dBV/m	Grid 5 M4 14.52 dBV/m	Grid 6 M4 14.55 dBV/m
Grid 7 M4 15.11 dBV/m	Grid 8 M4 15.08 dBV/m	Grid 9 M4 15.03 dBV/m



0 dB = 5.697 V/m = 15.11 dBV/m

HAC-RF Emission ANT 1

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

Phantom section: RF Section

DASY5 Configuration:

- Probe: EF3DV3 - SN4041; ConvF(1, 1, 1) @ 2636.5 MHz; Calibrated: 3/22/2021
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1547; Calibrated: 4/19/2021
- 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 = 5.961 V/m; Power Drift = 0.03 dB

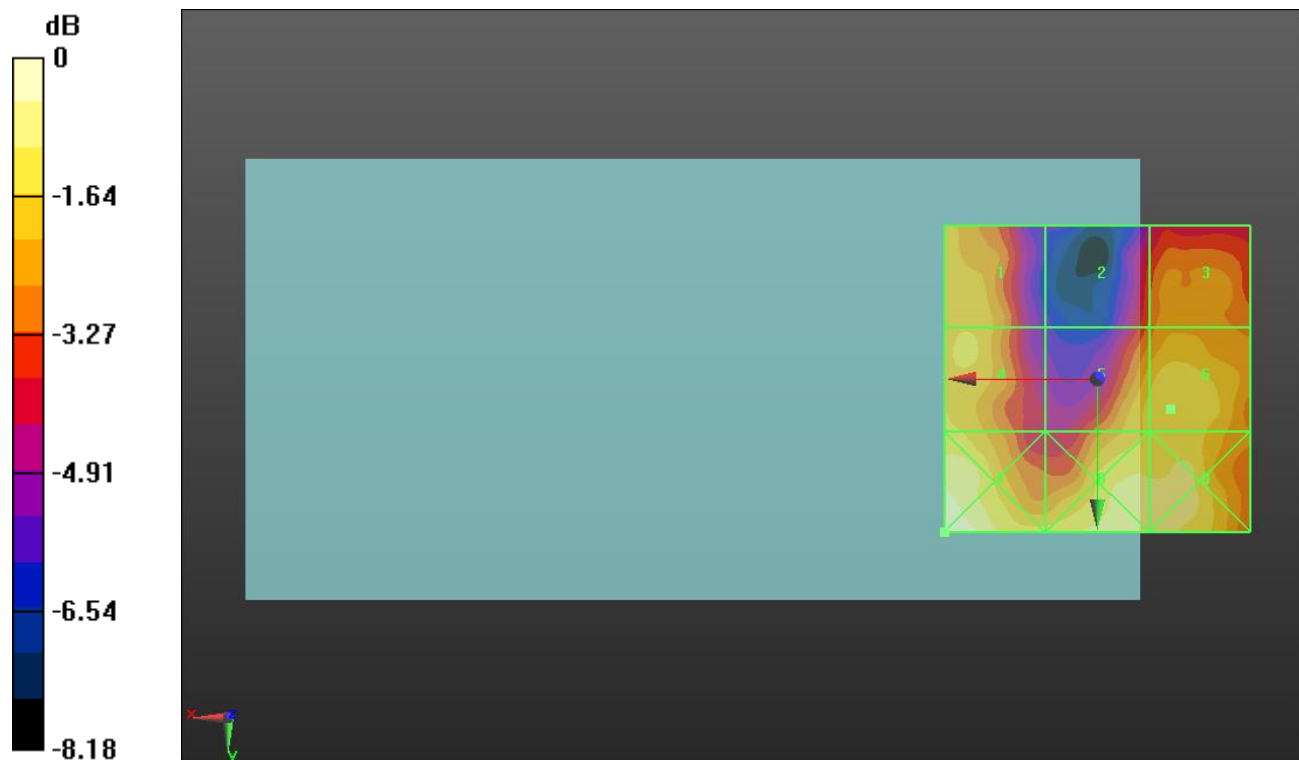
Applied MIF = -1.44 dB

RF audio interference level = 15.67 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 15.11 dBV/m	Grid 2 M4 13.71 dBV/m	Grid 3 M4 14.56 dBV/m
Grid 4 M4 15.29 dBV/m	Grid 5 M4 15.34 dBV/m	Grid 6 M4 15.67 dBV/m
Grid 7 M4 16.76 dBV/m	Grid 8 M4 16.21 dBV/m	Grid 9 M4 16.11 dBV/m



0 dB = 6.887 V/m = 16.76 dBV/m

HAC-RF Emission ANT 1

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

Phantom section: RF Section

DASY5 Configuration:

- Probe: EF3DV3 - SN4041; ConvF(1, 1, 1) @ 2680 MHz; Calibrated: 3/22/2021
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1547; Calibrated: 4/19/2021
- 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.

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 = 5.258 V/m; Power Drift = 0.67 dB

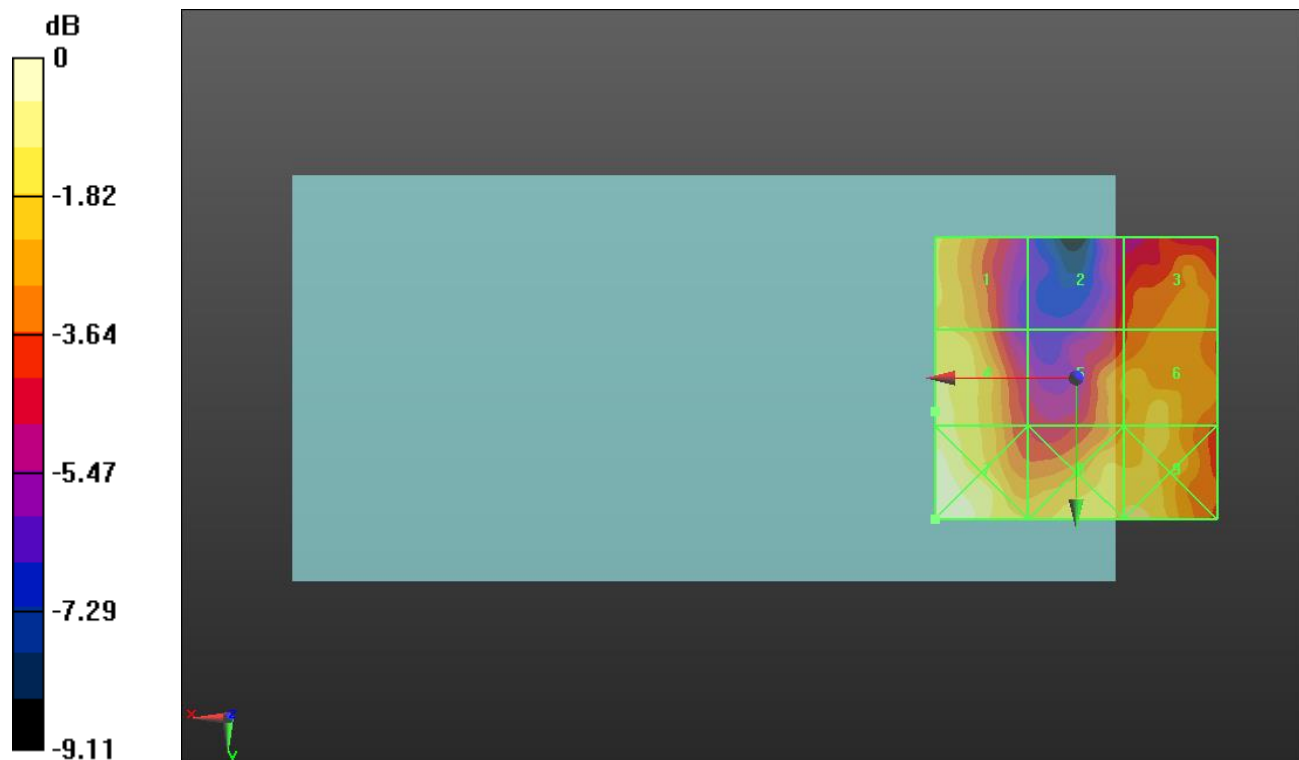
Applied MIF = -1.44 dB

RF audio interference level = 15.34 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 14.72 dBV/m	Grid 2 M4 12.59 dBV/m	Grid 3 M4 13.79 dBV/m
Grid 4 M4 15.34 dBV/m	Grid 5 M4 14.16 dBV/m	Grid 6 M4 14.82 dBV/m
Grid 7 M4 16.41 dBV/m	Grid 8 M4 15.39 dBV/m	Grid 9 M4 15.54 dBV/m



0 dB = 6.616 V/m = 16.41 dBV/m

HAC-RF Emission ANT 1

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

Phantom section: RF Section

DASY5 Configuration:

- Probe: EF3DV3 - SN4041; ConvF(1, 1, 1) @ 2506 MHz; Calibrated: 3/22/2021
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1547; Calibrated: 4/19/2021
- 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_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 = 13.80 V/m; Power Drift = -0.26 dB

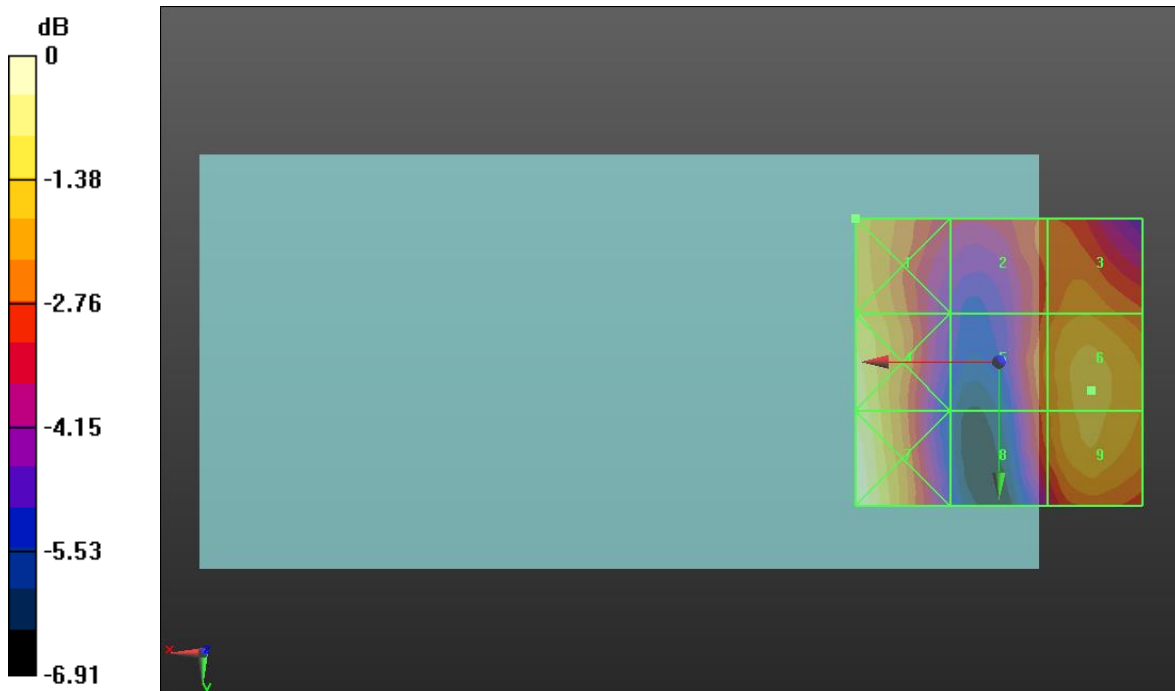
Applied MIF = -1.44 dB

RF audio interference level = 23.87 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 23.7 dBV/m	Grid 2 M4 22.44 dBV/m	Grid 3 M4 23.16 dBV/m
Grid 4 M4 24.5 dBV/m	Grid 5 M4 22.92 dBV/m	Grid 6 M4 23.87 dBV/m
Grid 7 M4 25.01 dBV/m	Grid 8 M4 22.66 dBV/m	Grid 9 M4 23.81 dBV/m



0 dB = 17.81 V/m = 25.01 dBV/m

HAC-RF Emission ANT 1

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

Phantom section: RF Section

DASY5 Configuration:

- Probe: EF3DV3 - SN4041; ConvF(1, 1, 1) @ 2549.5 MHz; Calibrated: 3/22/2021
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1547; Calibrated: 4/19/2021
- 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_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 = 10.77 V/m; Power Drift = -0.21 dB

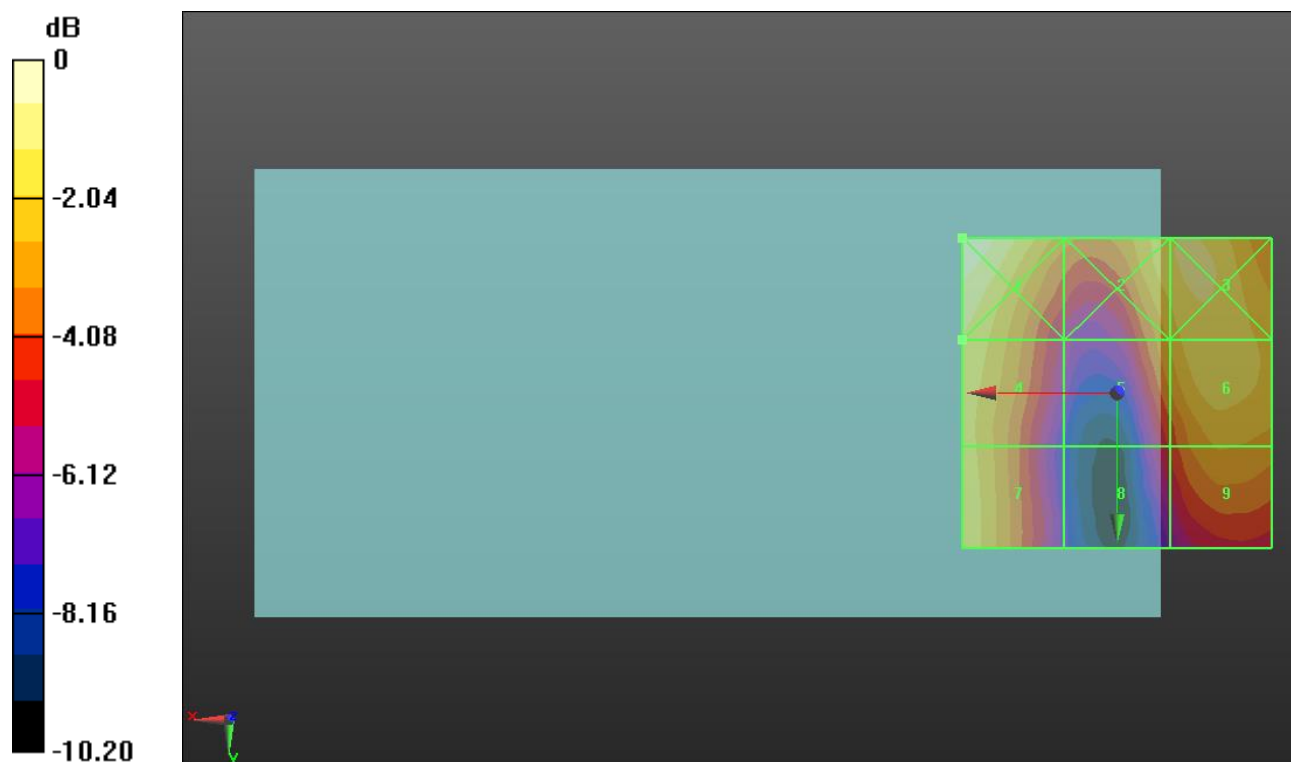
Applied MIF = -1.44 dB

RF audio interference level = 23.58 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 24.95 dBV/m	Grid 2 M4 23.49 dBV/m	Grid 3 M4 23.76 dBV/m
Grid 4 M4 23.58 dBV/m	Grid 5 M4 22.4 dBV/m	Grid 6 M4 23.47 dBV/m
Grid 7 M4 23.49 dBV/m	Grid 8 M4 20.38 dBV/m	Grid 9 M4 22.3 dBV/m



0 dB = 17.67 V/m = 24.94 dBV/m

HAC-RF Emission ANT 1

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

Phantom section: RF Section

DASY5 Configuration:

- Probe: EF3DV3 - SN4041; ConvF(1, 1, 1) @ 2593 MHz; Calibrated: 3/22/2021
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1547; Calibrated: 4/19/2021
- 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_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 = 9.835 V/m; Power Drift = -0.08 dB

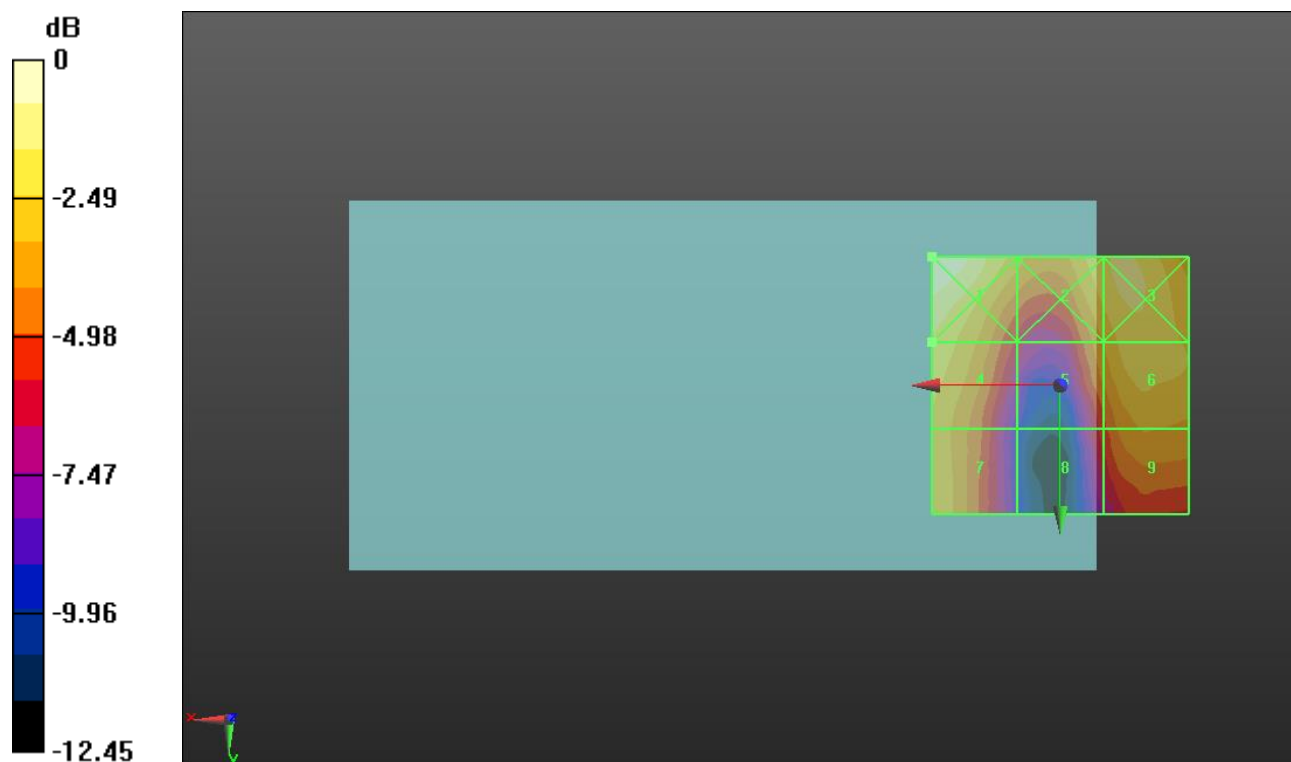
Applied MIF = -1.44 dB

RF audio interference level = 23.70 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 25.46 dBV/m	Grid 2 M4 23.68 dBV/m	Grid 3 M4 23.98 dBV/m
Grid 4 M4 23.7 dBV/m	Grid 5 M4 22.23 dBV/m	Grid 6 M4 23.56 dBV/m
Grid 7 M4 22.98 dBV/m	Grid 8 M4 20.22 dBV/m	Grid 9 M4 22.21 dBV/m



0 dB = 18.74 V/m = 25.46 dBV/m

HAC-RF Emission ANT 1

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

Phantom section: RF Section

DASY5 Configuration:

- Probe: EF3DV3 - SN4041; ConvF(1, 1, 1) @ 2636.5 MHz; Calibrated: 3/22/2021
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1547; Calibrated: 4/19/2021
- 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_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 = 7.093 V/m; Power Drift = -0.88 dB

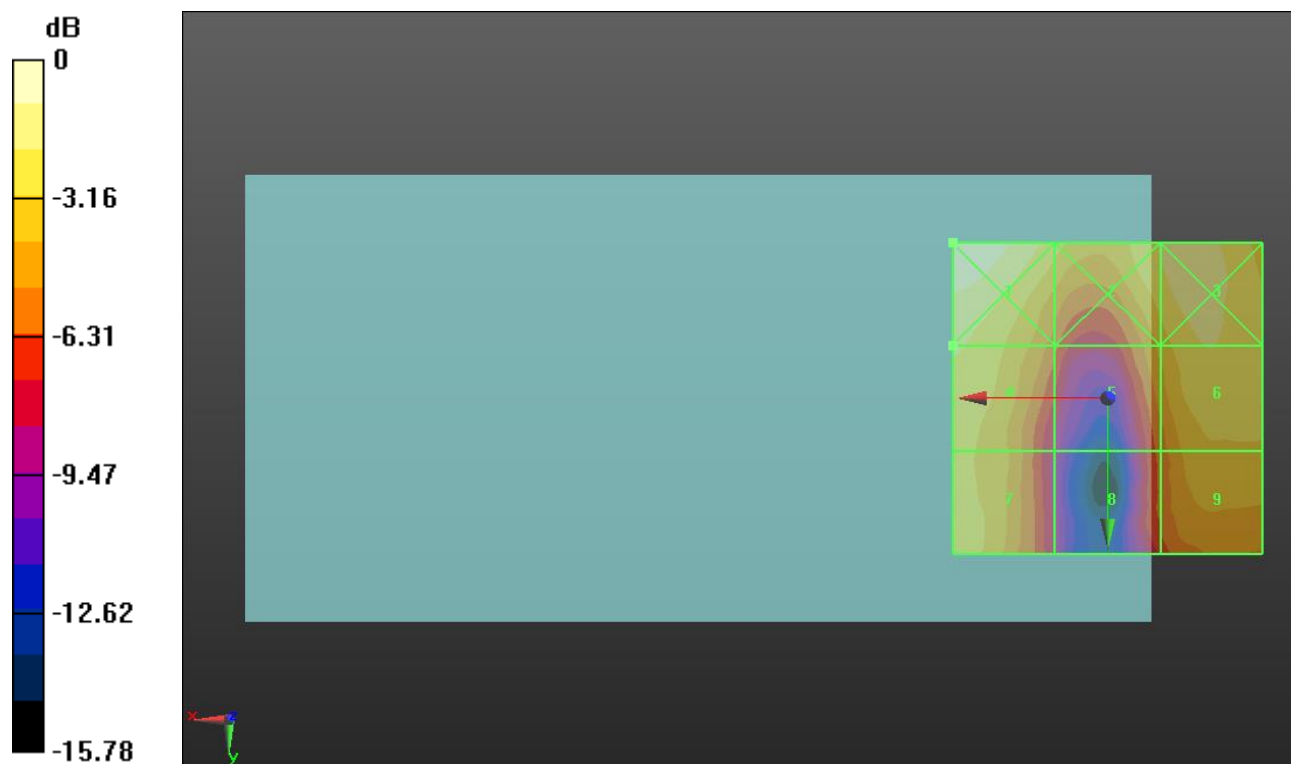
Applied MIF = -1.44 dB

RF audio interference level = 21.42 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 23.36 dBV/m	Grid 2 M4 21.35 dBV/m	Grid 3 M4 21.77 dBV/m
Grid 4 M4 21.42 dBV/m	Grid 5 M4 19.56 dBV/m	Grid 6 M4 21.3 dBV/m
Grid 7 M4 21.06 dBV/m	Grid 8 M4 17.57 dBV/m	Grid 9 M4 20.11 dBV/m



0 dB = 14.73 V/m = 23.36 dBV/m

HAC-RF Emission ANT 1

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

Phantom section: RF Section

DASY5 Configuration:

- Probe: EF3DV3 - SN4041; ConvF(1, 1, 1) @ 2680 MHz; Calibrated: 3/22/2021
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1547; Calibrated: 4/19/2021
- 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_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 = 7.314 V/m; Power Drift = -0.16 dB

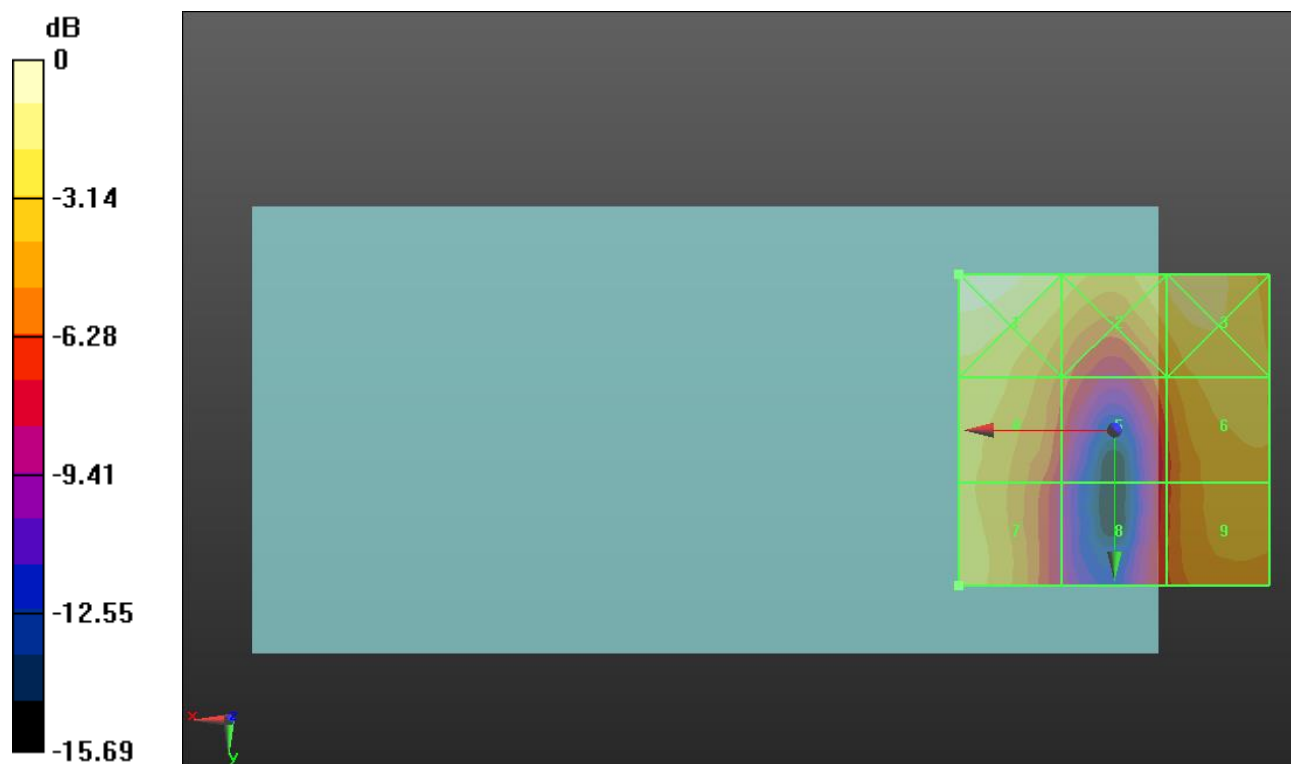
Applied MIF = -1.44 dB

RF audio interference level = 22.46 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 24.82 dBV/m	Grid 2 M4 22.91 dBV/m	Grid 3 M4 23.32 dBV/m
Grid 4 M4 22.33 dBV/m	Grid 5 M4 20.08 dBV/m	Grid 6 M4 22.14 dBV/m
Grid 7 M4 22.46 dBV/m	Grid 8 M4 18.5 dBV/m	Grid 9 M4 21.41 dBV/m



0 dB = 17.41 V/m = 24.82 dBV/m

HAC-RF Emission ANT 1

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

Phantom section: RF Section

DASY5 Configuration:

- Probe: EF3DV3 - SN4041; ConvF(1, 1, 1) @ 3560 MHz; Calibrated: 3/22/2021
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1547; Calibrated: 4/19/2021
- 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 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 = 4.597 V/m; Power Drift = -0.35 dB

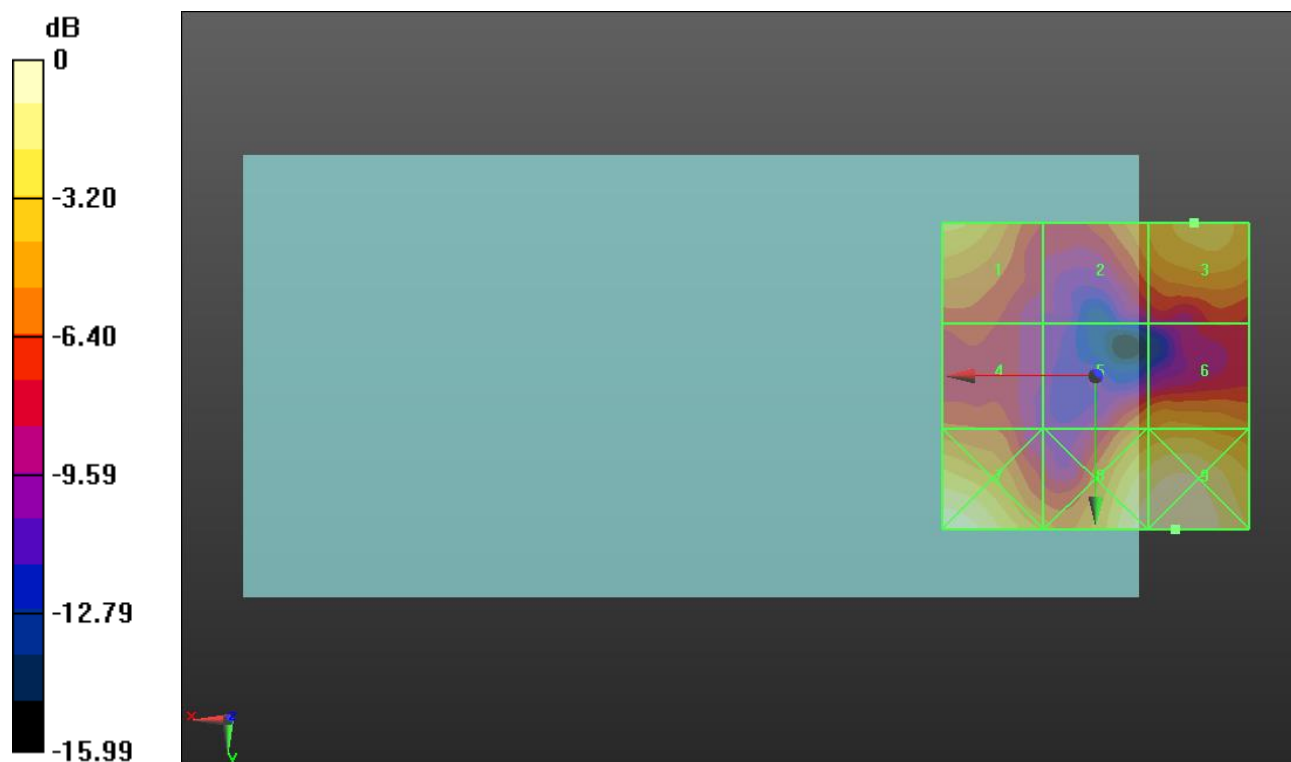
Applied MIF = -1.44 dB

RF audio interference level = 18.55 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 18.41 dBV/m	Grid 2 M4 17.17 dBV/m	Grid 3 M4 18.55 dBV/m
Grid 4 M4 15.3 dBV/m	Grid 5 M4 16.71 dBV/m	Grid 6 M4 17.48 dBV/m
Grid 7 M4 21.2 dBV/m	Grid 8 M4 20.81 dBV/m	Grid 9 M4 21.3 dBV/m



0 dB = 11.62 V/m = 21.30 dBV/m

HAC-RF Emission ANT 1

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

Phantom section: RF Section

DASY5 Configuration:

- Probe: EF3DV3 - SN4041; ConvF(1, 1, 1) @ 3603.3 MHz; Calibrated: 3/22/2021
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1547; Calibrated: 4/19/2021
- 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 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 = 4.375 V/m; Power Drift = 0.18 dB

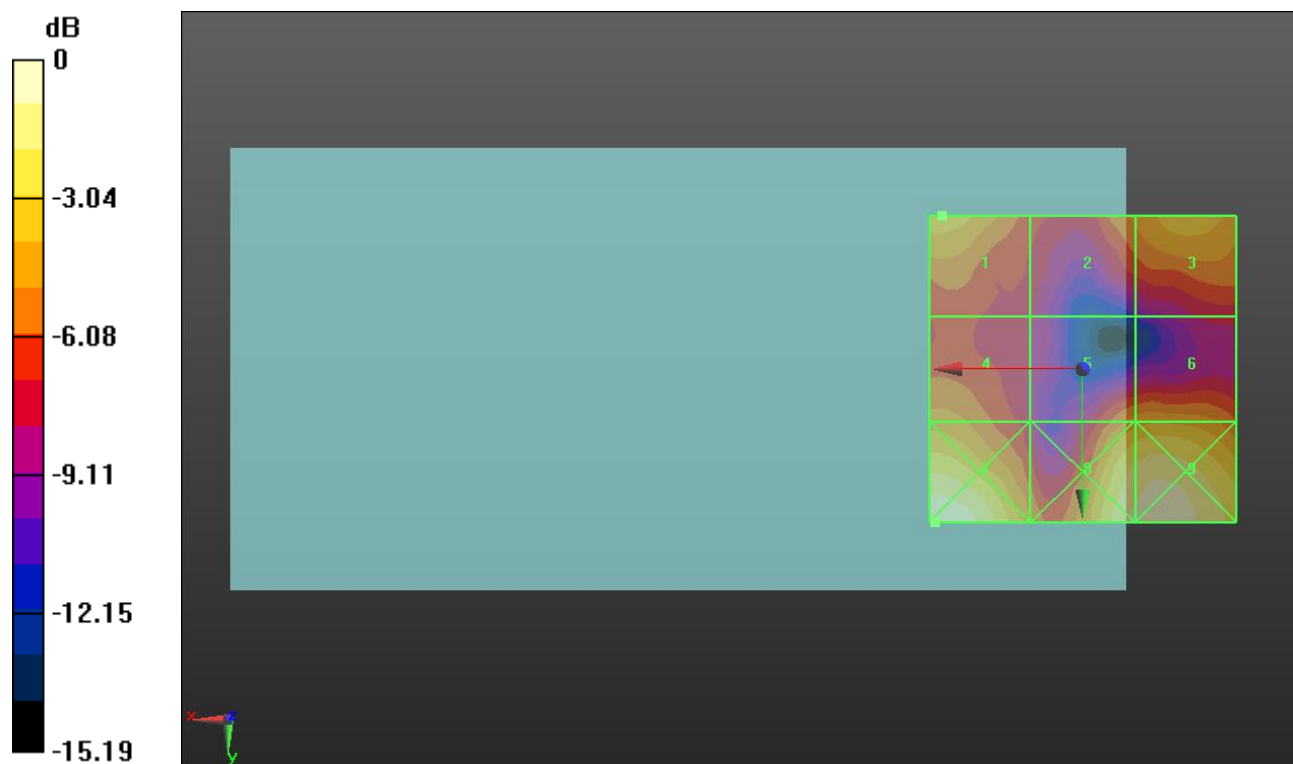
Applied MIF = -1.44 dB

RF audio interference level = 18.37 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 18.37 dBV/m	Grid 2 M4 16.9 dBV/m	Grid 3 M4 18.26 dBV/m
Grid 4 M4 17.26 dBV/m	Grid 5 M4 17.15 dBV/m	Grid 6 M4 17.57 dBV/m
Grid 7 M4 21.74 dBV/m	Grid 8 M4 21.03 dBV/m	Grid 9 M4 21.47 dBV/m



0 dB = 12.22 V/m = 21.74 dBV/m

HAC-RF Emission ANT 1

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

Phantom section: RF Section

DASY5 Configuration:

- Probe: EF3DV3 - SN4041; ConvF(1, 1, 1) @ 3646.7 MHz; Calibrated: 3/22/2021
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1547; Calibrated: 4/19/2021
- 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 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 = 4.122 V/m; Power Drift = -0.63 dB

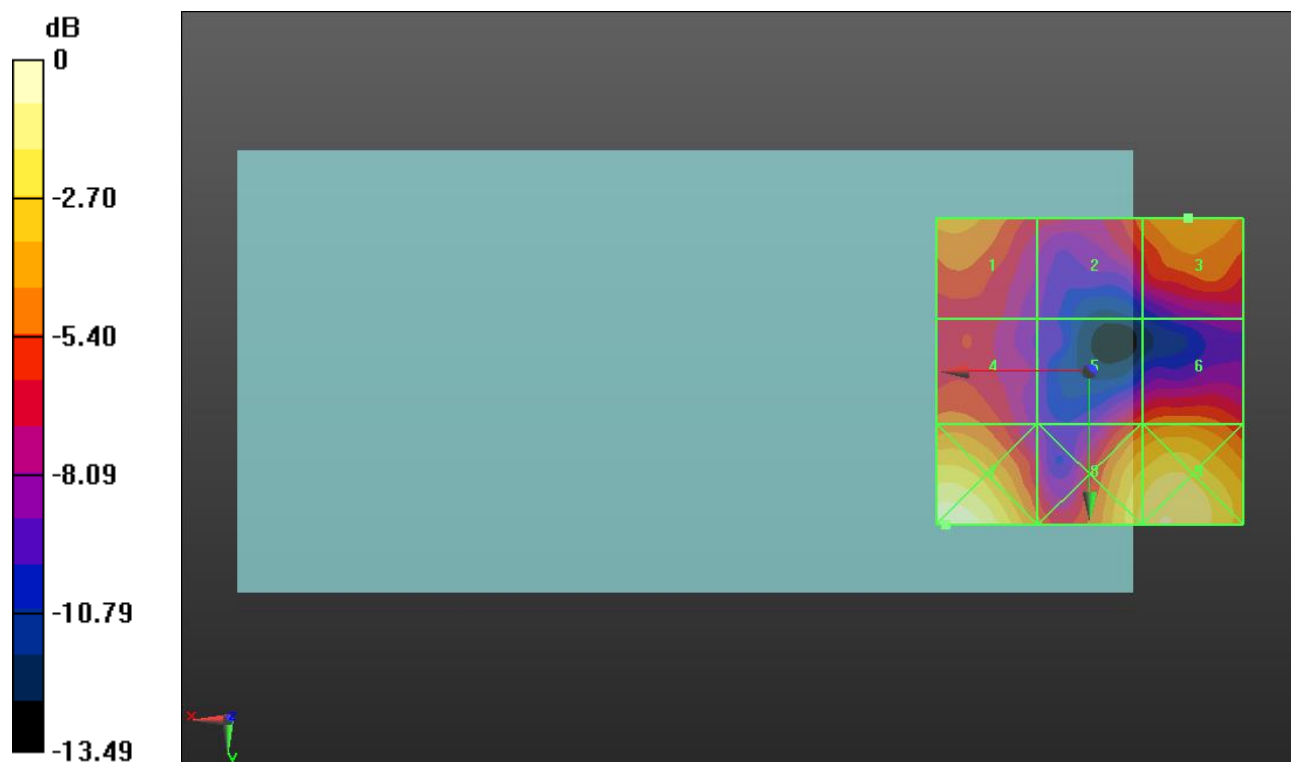
Applied MIF = -1.44 dB

RF audio interference level = 18.35 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 18.09 dBV/m	Grid 2 M4 17.29 dBV/m	Grid 3 M4 18.35 dBV/m
Grid 4 M4 17.21 dBV/m	Grid 5 M4 16.63 dBV/m	Grid 6 M4 17.45 dBV/m
Grid 7 M4 22.09 dBV/m	Grid 8 M4 20.58 dBV/m	Grid 9 M4 21.23 dBV/m



0 dB = 12.72 V/m = 22.09 dBV/m

HAC-RF Emission ANT 1

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

Phantom section: RF Section

DASY5 Configuration:

- Probe: EF3DV3 - SN4041; ConvF(1, 1, 1) @ 3690 MHz; Calibrated: 3/22/2021
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1547; Calibrated: 4/19/2021
- 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 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 = 4.115 V/m; Power Drift = -0.27 dB

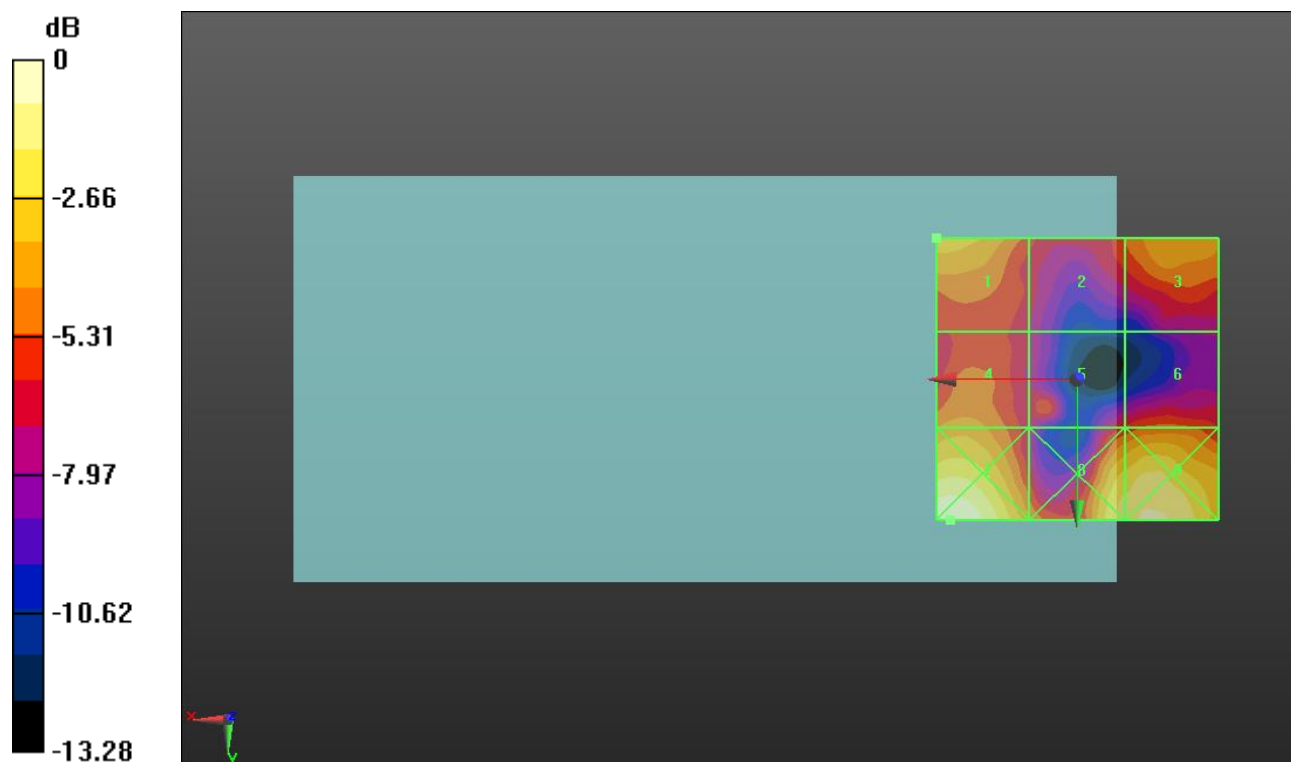
Applied MIF = -1.44 dB

RF audio interference level = 18.80 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 18.8 dBV/m	Grid 2 M4 16.38 dBV/m	Grid 3 M4 17.9 dBV/m
Grid 4 M4 17.74 dBV/m	Grid 5 M4 16.16 dBV/m	Grid 6 M4 16.69 dBV/m
Grid 7 M4 21.66 dBV/m	Grid 8 M4 20.27 dBV/m	Grid 9 M4 20.93 dBV/m



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

HAC-RF Emission ANT 2

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

Phantom section: RF Section

DASY5 Configuration:

- Probe: EF3DV3 - SN4041; ConvF(1, 1, 1) @ 824.2 MHz; Calibrated: 3/22/2021
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1547; Calibrated: 4/19/2021
- 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)

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 = 34.60 V/m; Power Drift = -0.05 dB

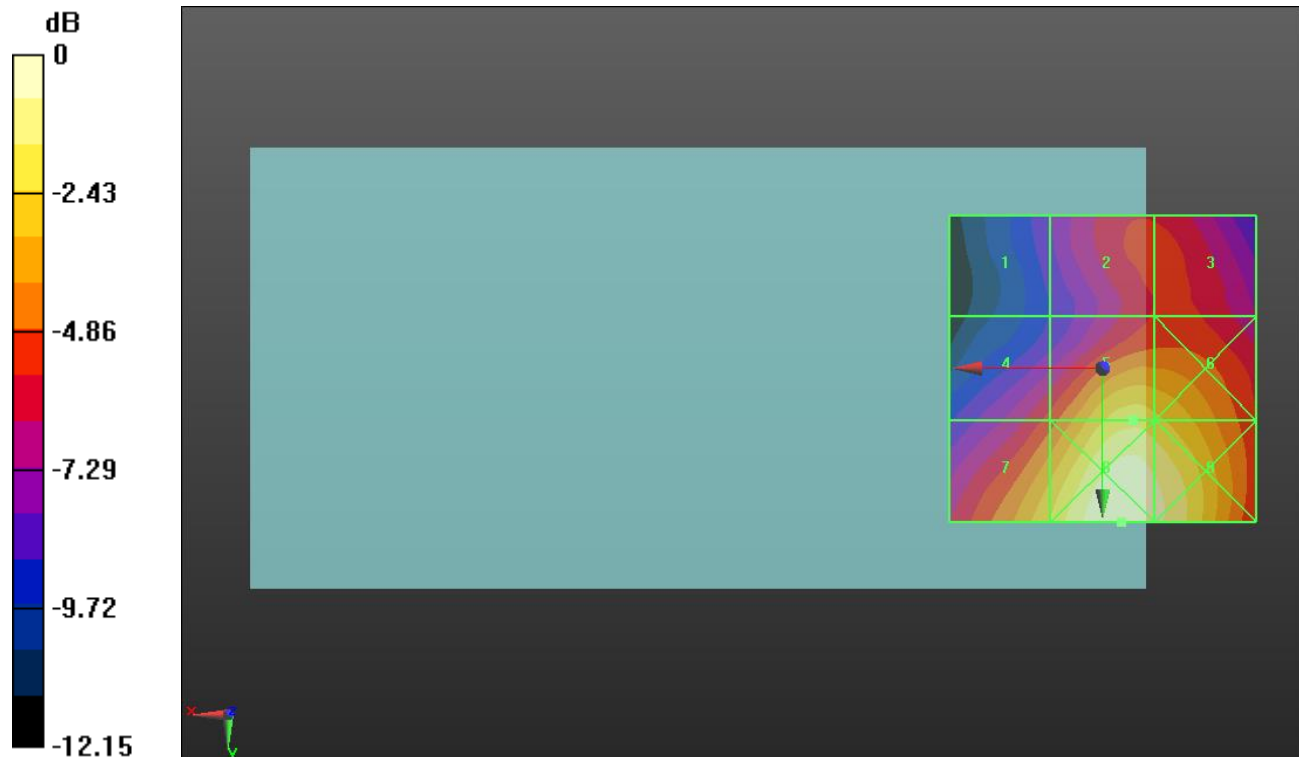
Applied MIF = 3.63 dB

RF audio interference level = 32.48 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 26.21 dBV/m	Grid 2 M4 28.98 dBV/m	Grid 3 M4 28.98 dBV/m
Grid 4 M4 29.13 dBV/m	Grid 5 M4 32.48 dBV/m	Grid 6 M4 32.15 dBV/m
Grid 7 M4 32 dBV/m	Grid 8 M4 34.33 dBV/m	Grid 9 M4 33.83 dBV/m



0 dB = 52.08 V/m = 34.33 dBV/m

HAC-RF Emission ANT 2

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

Phantom section: RF Section

DASY5 Configuration:

- Probe: EF3DV3 - SN4041; ConvF(1, 1, 1) @ 836.6 MHz; Calibrated: 3/22/2021
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1547; Calibrated: 4/19/2021
- 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)

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 = 32.40 V/m; Power Drift = -0.03 dB

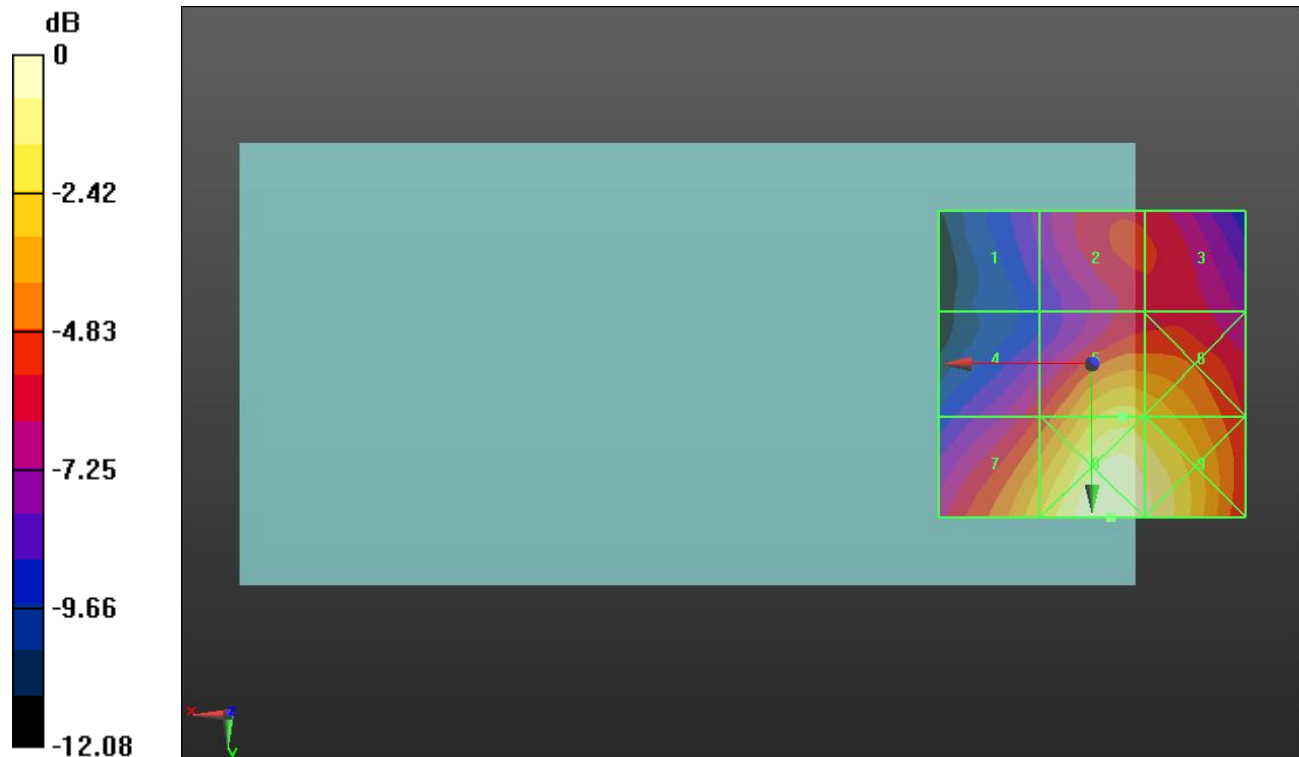
Applied MIF = 3.63 dB

RF audio interference level = 32.14 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 26.52 dBV/m	Grid 2 M4 28.73 dBV/m	Grid 3 M4 28.67 dBV/m
Grid 4 M4 28.64 dBV/m	Grid 5 M4 32.14 dBV/m	Grid 6 M4 31.8 dBV/m
Grid 7 M4 31.73 dBV/m	Grid 8 M4 34.16 dBV/m	Grid 9 M4 33.59 dBV/m



0 dB = 51.02 V/m = 34.15 dBV/m

HAC-RF Emission ANT 2

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

Phantom section: RF Section

DASY5 Configuration:

- Probe: EF3DV3 - SN4041; ConvF(1, 1, 1) @ 848.6 MHz; Calibrated: 3/22/2021
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1547; Calibrated: 4/19/2021
- 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)

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 = 29.63 V/m; Power Drift = 0.07 dB

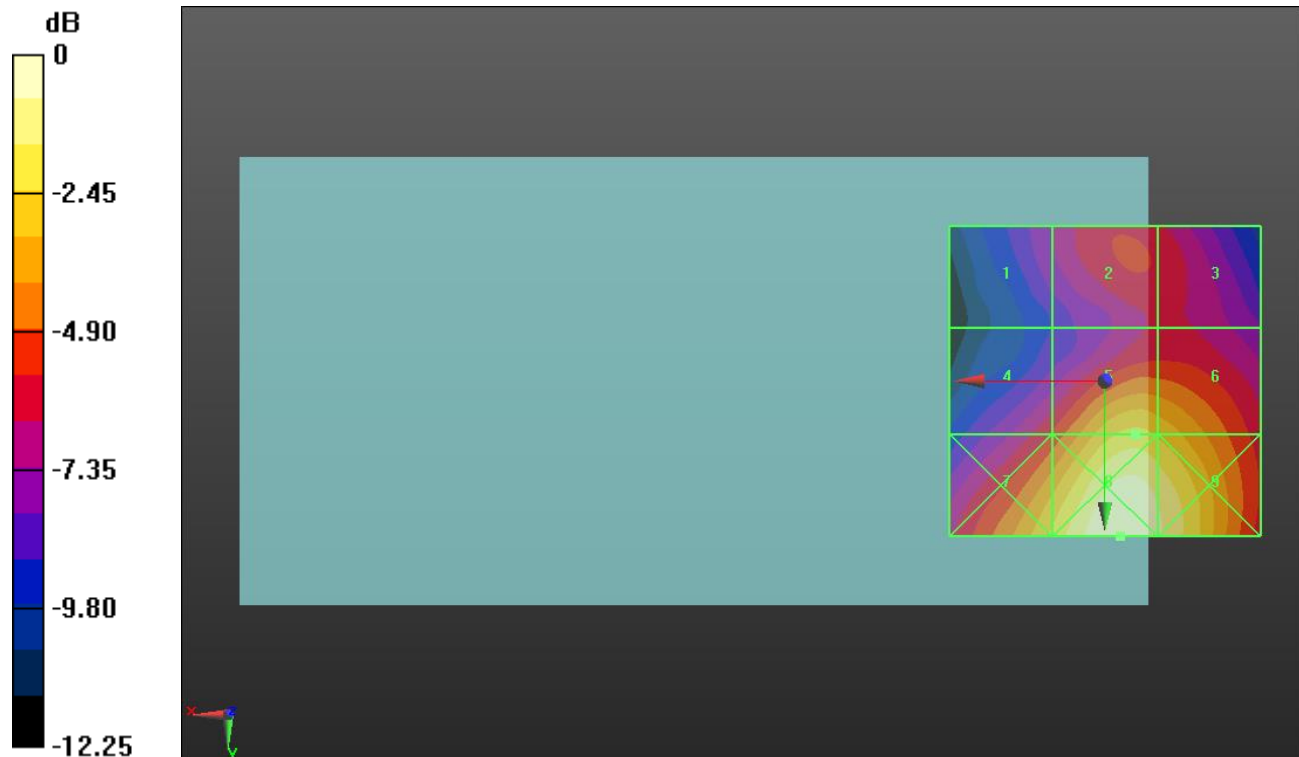
Applied MIF = 3.63 dB

RF audio interference level = 31.44 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 26.34 dBV/m	Grid 2 M4 28.06 dBV/m	Grid 3 M4 27.83 dBV/m
Grid 4 M4 28.08 dBV/m	Grid 5 M4 31.44 dBV/m	Grid 6 M4 31.05 dBV/m
Grid 7 M4 31.36 dBV/m	Grid 8 M4 33.63 dBV/m	Grid 9 M4 32.97 dBV/m



0 dB = 48.02 V/m = 33.63 dBV/m

HAC-RF Emission ANT 2

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

Phantom section: RF Section

DASY5 Configuration:

- Probe: EF3DV3 - SN4041; ConvF(1, 1, 1) @ 1850.2 MHz; Calibrated: 3/22/2021
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1547; Calibrated: 4/19/2021
- 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)

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 = 24.24 V/m; Power Drift = -0.09 dB

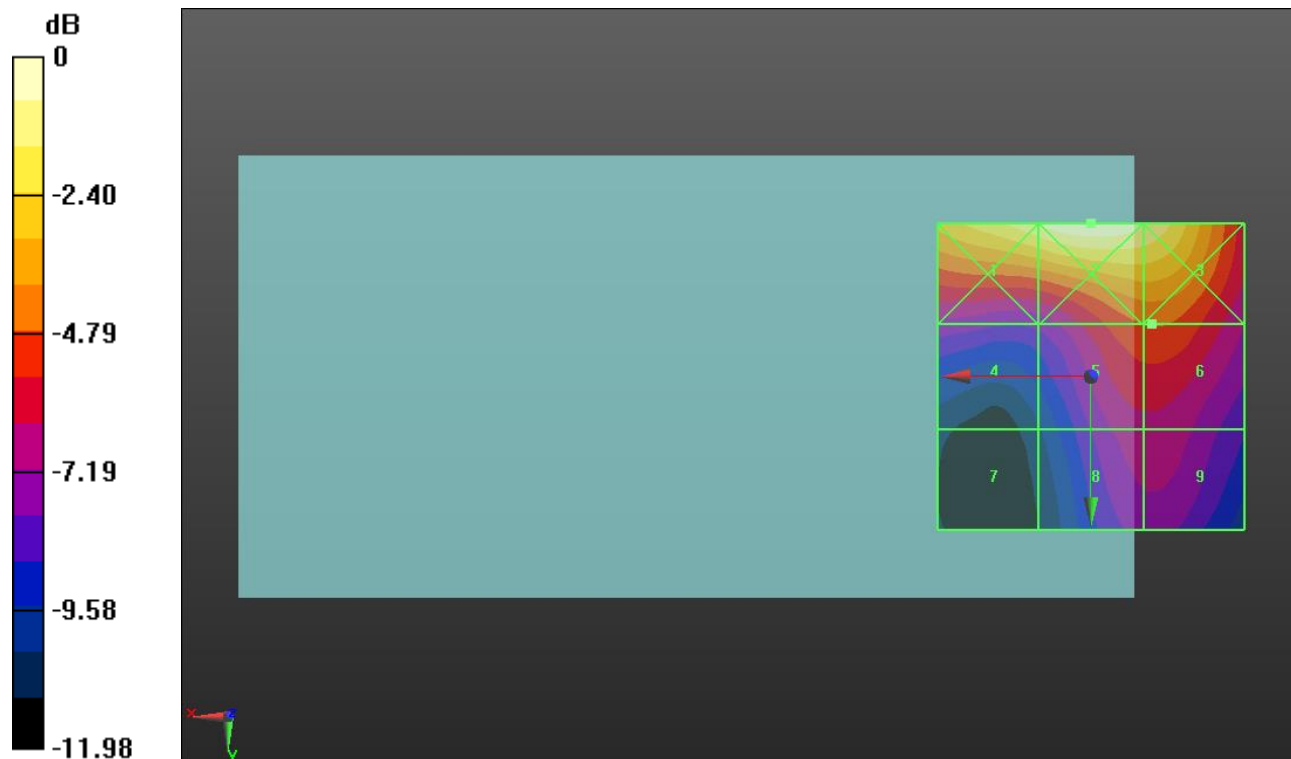
Applied MIF = 3.63 dB

RF audio interference level = 30.79 dBV/m

Emission category: M3

MIF scaled E-field

Grid 1 M3 34.75 dBV/m	Grid 2 M2 35.5 dBV/m	Grid 3 M3 34.88 dBV/m
Grid 4 M4 28.08 dBV/m	Grid 5 M3 30.74 dBV/m	Grid 6 M3 30.79 dBV/m
Grid 7 M4 25.07 dBV/m	Grid 8 M4 28.91 dBV/m	Grid 9 M4 28.93 dBV/m



0 dB = 59.58 V/m = 35.50 dBV/m

HAC-RF Emission ANT 2

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

Phantom section: RF Section

DASY5 Configuration:

- Probe: EF3DV3 - SN4041; ConvF(1, 1, 1) @ 1880 MHz; Calibrated: 3/22/2021
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1547; Calibrated: 4/19/2021
- 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)

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 = 25.28 V/m; Power Drift = -0.08 dB

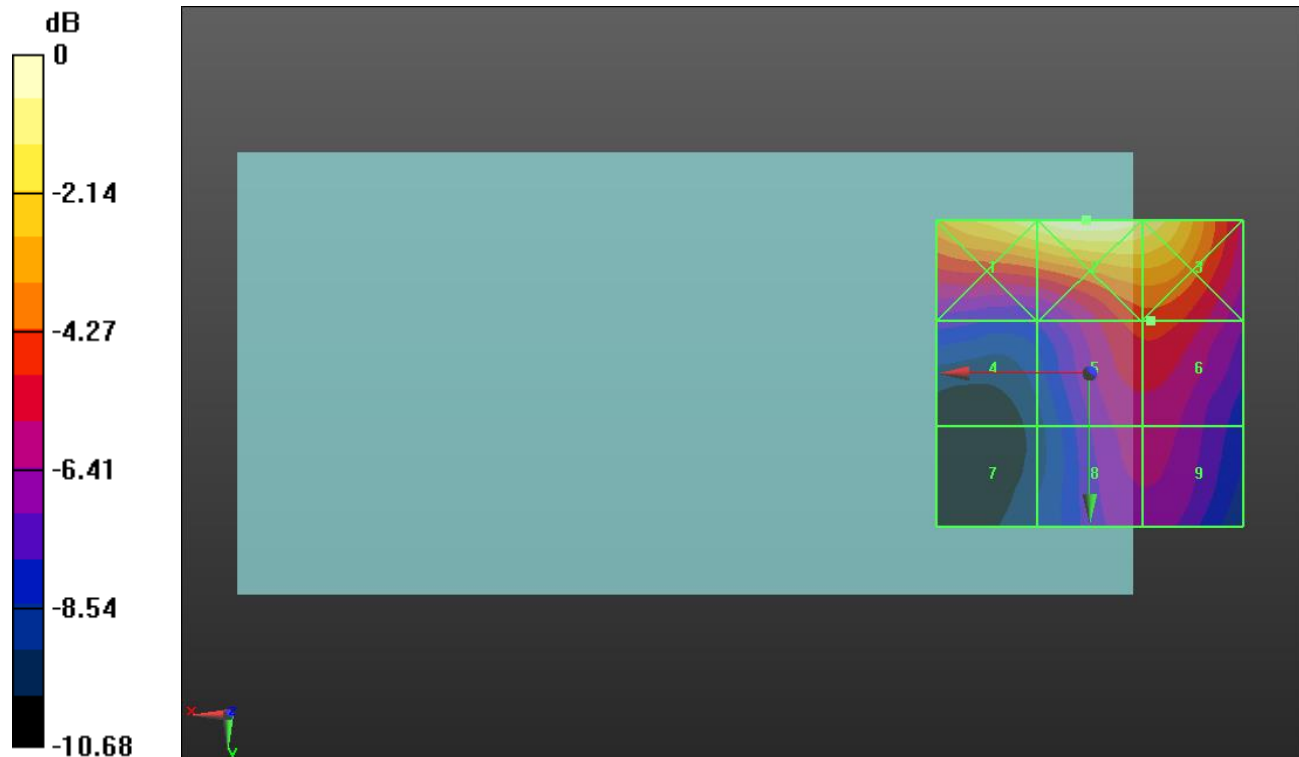
Applied MIF = 3.63 dB

RF audio interference level = 30.66 dBV/m

Emission category: M3

MIF scaled E-field

Grid 1 M3 34.56 dBV/m	Grid 2 M2 35.26 dBV/m	Grid 3 M3 34.62 dBV/m
Grid 4 M4 27.81 dBV/m	Grid 5 M3 30.63 dBV/m	Grid 6 M3 30.66 dBV/m
Grid 7 M4 26.08 dBV/m	Grid 8 M4 29.24 dBV/m	Grid 9 M4 29.25 dBV/m



0 dB = 57.91 V/m = 35.26 dBV/m

HAC-RF Emission ANT 2

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

Phantom section: RF Section

DASY5 Configuration:

- Probe: EF3DV3 - SN4041; ConvF(1, 1, 1) @ 1909.8 MHz; Calibrated: 3/22/2021
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1547; Calibrated: 4/19/2021
- 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)

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 = 26.22 V/m; Power Drift = -0.35 dB

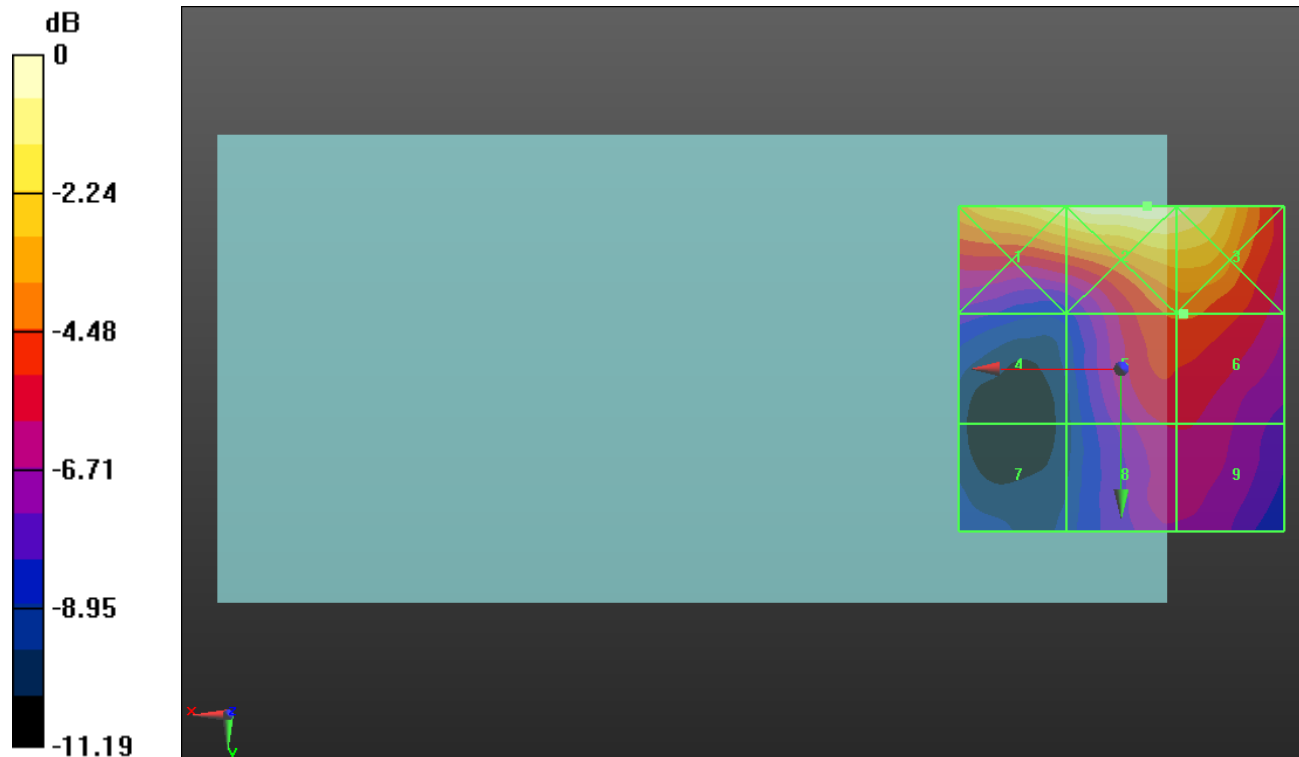
Applied MIF = 3.63 dB

RF audio interference level = 30.47 dBV/m

Emission category: M3

MIF scaled E-field

Grid 1 M3 33.94 dBV/m	Grid 2 M3 34.75 dBV/m	Grid 3 M3 34.41 dBV/m
Grid 4 M4 27.1 dBV/m	Grid 5 M3 30.44 dBV/m	Grid 6 M3 30.47 dBV/m
Grid 7 M4 25.65 dBV/m	Grid 8 M4 28.88 dBV/m	Grid 9 M4 28.88 dBV/m



0 dB = 54.63 V/m = 34.75 dBV/m

HAC-RF Emission ANT 2

Communication System: UID 0, 1@IEEE 802.11b/g/n 2.4 GHz Band (0); Frequency: 2422 MHz; Duty Cycle: 1:1

Phantom section: RF Section

DASY5 Configuration:

- Probe: EF3DV3 - SN4041; ConvF(1, 1, 1) @ 2422 MHz; Calibrated: 3/22/2021
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1547; Calibrated: 4/19/2021
- 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)

802.11g_E-Field measurement/DSSS/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 = 38.64 V/m; Power Drift = -0.02 dB

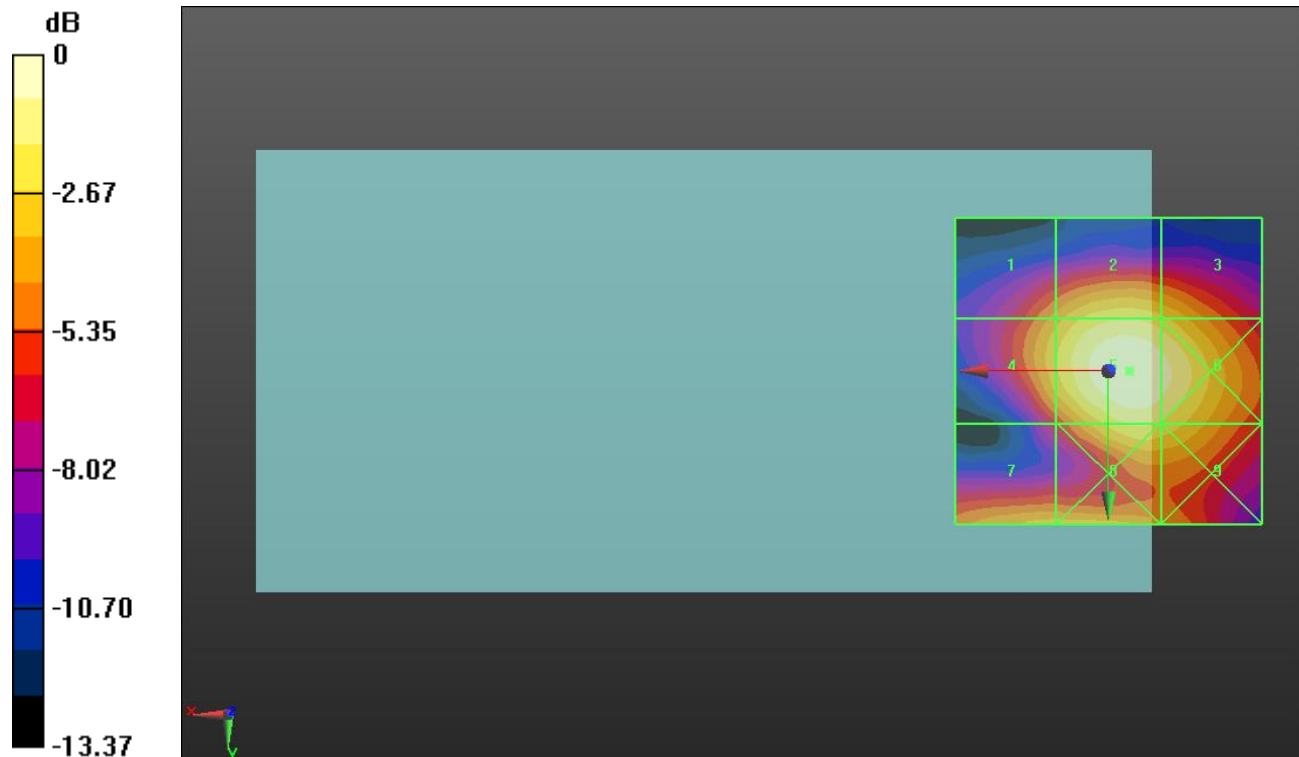
Applied MIF = 0.00 dB

RF audio interference level = 27.06 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 23.15 dBV/m	Grid 2 M4 25.31 dBV/m	Grid 3 M4 24.71 dBV/m
Grid 4 M4 24.41 dBV/m	Grid 5 M4 27.06 dBV/m	Grid 6 M4 26.56 dBV/m
Grid 7 M4 24.19 dBV/m	Grid 8 M4 25.48 dBV/m	Grid 9 M4 25.15 dBV/m



0 dB = 22.55 V/m = 27.06 dBV/m

HAC-RF Emission ANT 2

Communication System: UID 0, 1@IEEE 802.11b/g/n 2.4 GHz Band (0); Frequency: 2437 MHz; Duty Cycle: 1:1

Phantom section: RF Section

DASY5 Configuration:

- Probe: EF3DV3 - SN4041; ConvF(1, 1, 1) @ 2437 MHz; Calibrated: 3/22/2021
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1547; Calibrated: 4/19/2021
- 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)

802.11g_E-Field measurement/DSSS/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 = 47.83 V/m; Power Drift = -0.03 dB

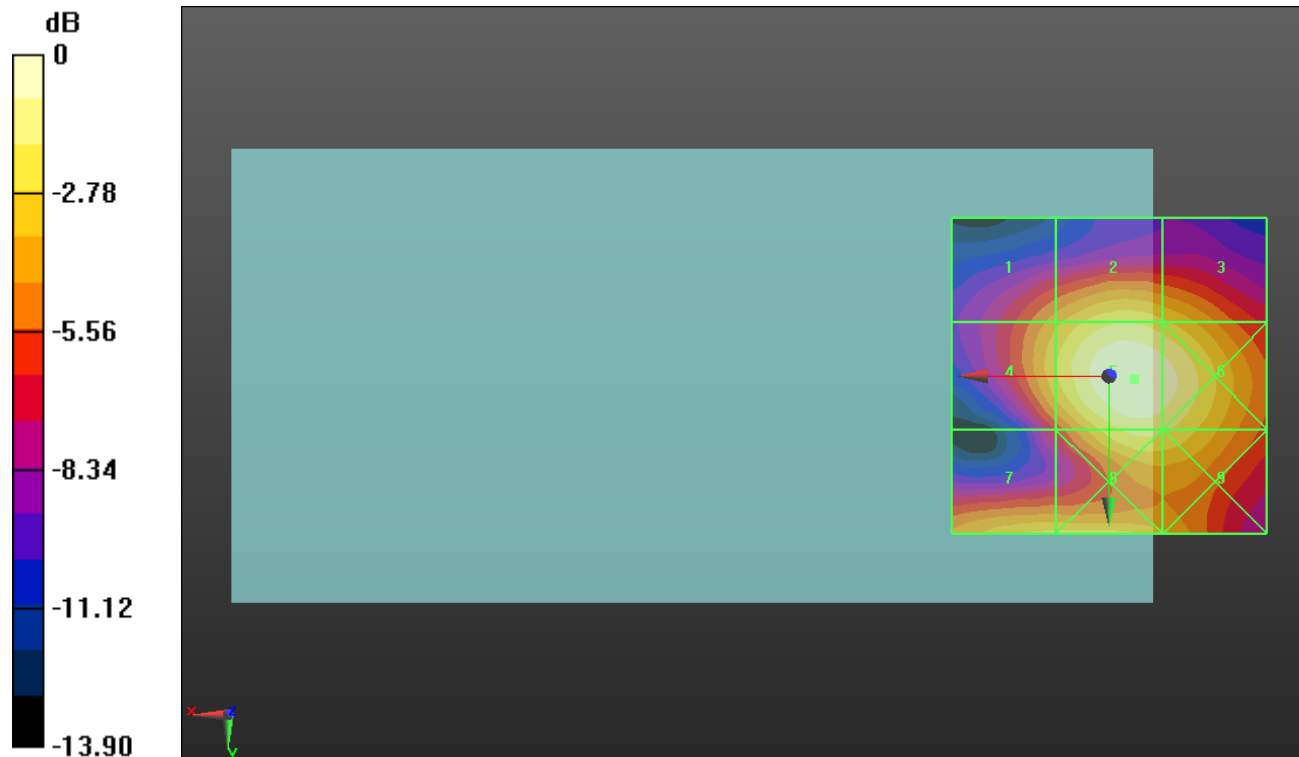
Applied MIF = 0.00 dB

RF audio interference level = 28.93 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 24.9 dBV/m	Grid 2 M4 27.07 dBV/m	Grid 3 M4 26.41 dBV/m
Grid 4 M4 26.12 dBV/m	Grid 5 M4 28.93 dBV/m	Grid 6 M4 28.49 dBV/m
Grid 7 M4 26.61 dBV/m	Grid 8 M4 27.47 dBV/m	Grid 9 M4 27.23 dBV/m



0 dB = 27.95 V/m = 28.93 dBV/m

HAC-RF Emission ANT 2

Communication System: UID 0, 1@IEEE 802.11b/g/n 2.4 GHz Band (0); Frequency: 2452 MHz; Duty Cycle: 1:1

Phantom section: RF Section

DASY5 Configuration:

- Probe: EF3DV3 - SN4041; ConvF(1, 1, 1) @ 2452 MHz; Calibrated: 3/22/2021
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1547; Calibrated: 4/19/2021
- 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)

802.11g_E-Field measurement/DSSS/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 = 44.03 V/m; Power Drift = -0.01 dB

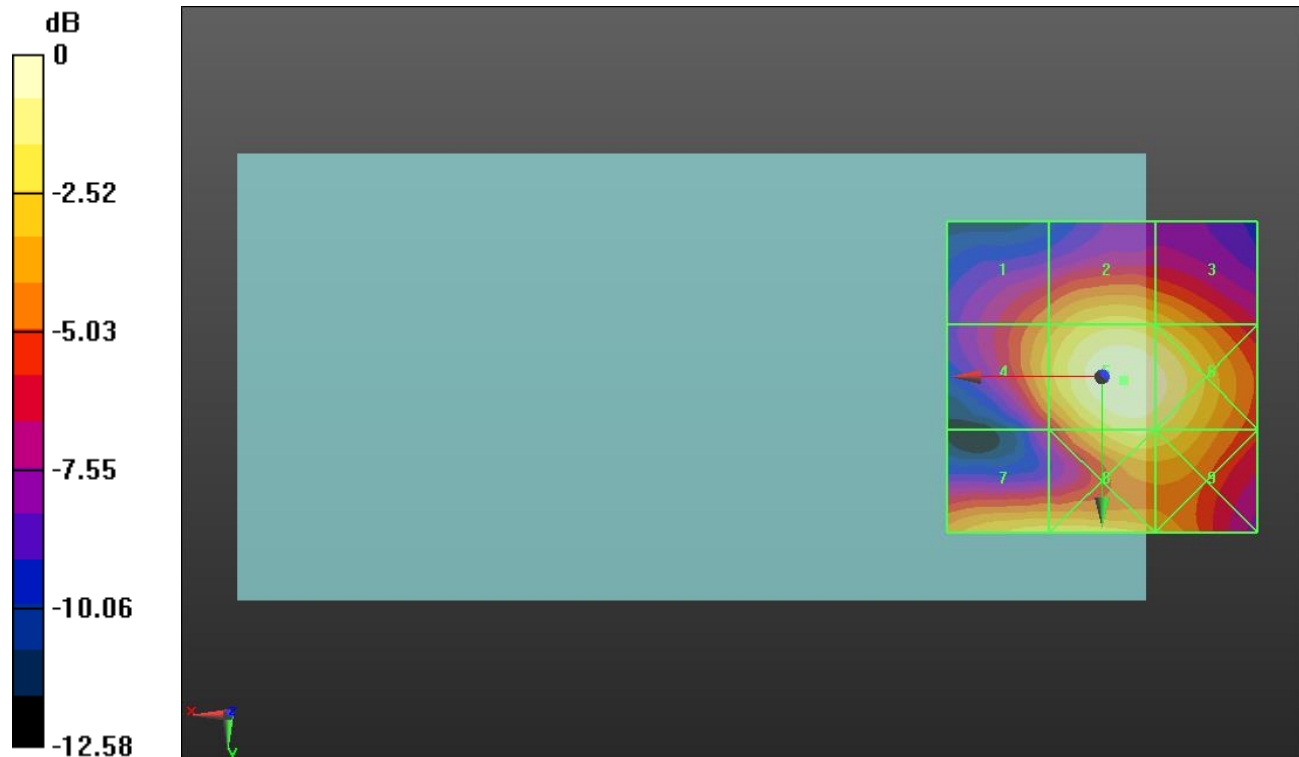
Applied MIF = 0.00 dB

RF audio interference level = 28.26 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 24.28 dBV/m	Grid 2 M4 26.32 dBV/m	Grid 3 M4 25.73 dBV/m
Grid 4 M4 25.53 dBV/m	Grid 5 M4 28.26 dBV/m	Grid 6 M4 27.81 dBV/m
Grid 7 M4 26.51 dBV/m	Grid 8 M4 26.87 dBV/m	Grid 9 M4 26.63 dBV/m



0 dB = 25.89 V/m = 28.26 dBV/m

HAC-RF Emission ANT 3

Communication System: UID 0, 1@IEEE 802.11b/g/n 2.4 GHz Band (0); Frequency: 2417 MHz; Duty Cycle: 1:1

Phantom section: RF Section

DASY5 Configuration:

- Probe: EF3DV3 - SN4041; ConvF(1, 1, 1) @ 2417 MHz; Calibrated: 3/22/2021
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1547; Calibrated: 4/19/2021
- 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)

802.11b_E-Field measurement/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 = 11.05 V/m; Power Drift = -0.16 dB

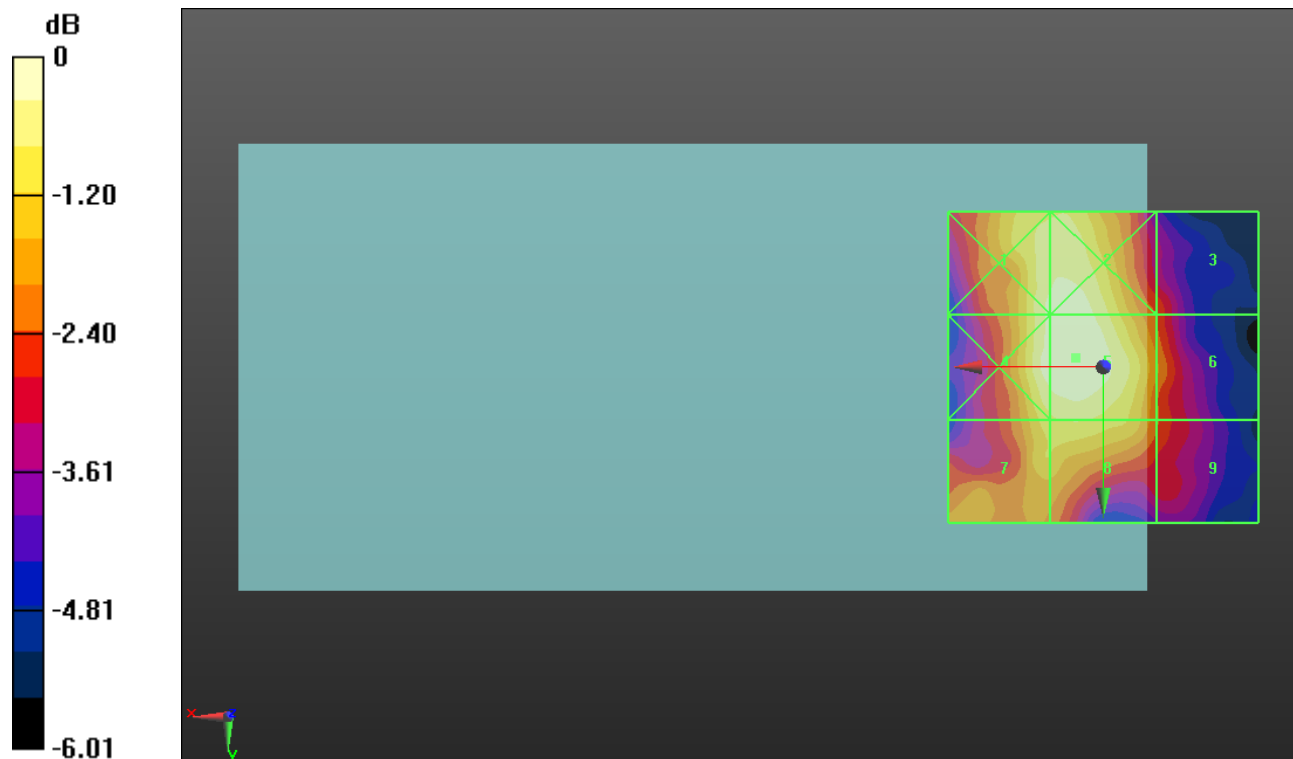
Applied MIF = 0.00 dB

RF audio interference level = 18.54 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 18.26 dBV/m	Grid 2 M4 18.42 dBV/m	Grid 3 M4 16.1 dBV/m
Grid 4 M4 18.43 dBV/m	Grid 5 M4 18.54 dBV/m	Grid 6 M4 16.66 dBV/m
Grid 7 M4 17.64 dBV/m	Grid 8 M4 17.78 dBV/m	Grid 9 M4 16.26 dBV/m



0 dB = 8.455 V/m = 18.54 dBV/m

HAC-RF Emission ANT 3

Communication System: UID 0, 1@IEEE 802.11b/g/n 2.4 GHz Band (0); Frequency: 2437 MHz; Duty Cycle: 1:1

Phantom section: RF Section

DASY5 Configuration:

- Probe: EF3DV3 - SN4041; ConvF(1, 1, 1) @ 2437 MHz; Calibrated: 3/22/2021
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1547; Calibrated: 4/19/2021
- 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)

802.11b_E-Field measurement/OFDM 11 Mbps Ch. 6/Hearing Aid Compatibility Test (101x101x1):

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

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 9.810 V/m; Power Drift = -0.22 dB

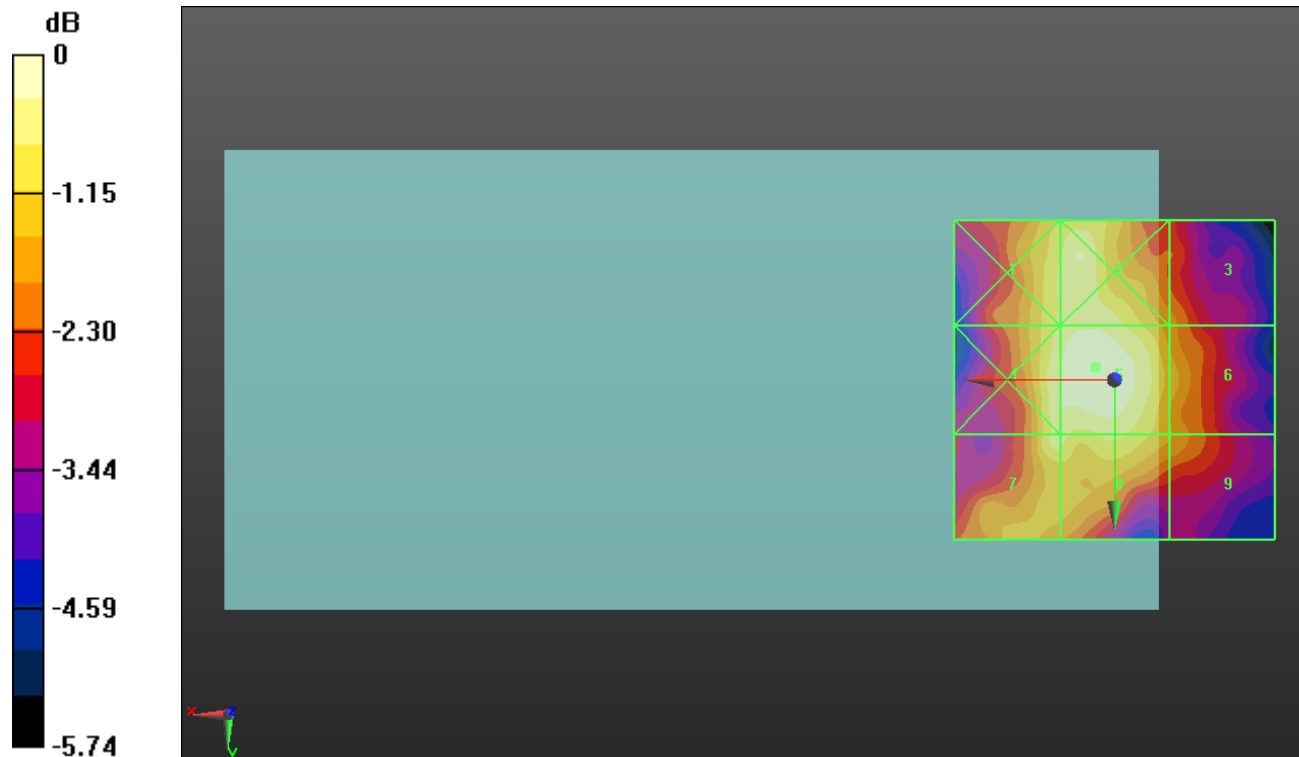
Applied MIF = 0.00 dB

RF audio interference level = 17.88 dBV/m

Emission category: **M4**

MIF scaled E-field

Grid 1 M4 17.21 dBV/m	Grid 2 M4 17.51 dBV/m	Grid 3 M4 16.18 dBV/m
Grid 4 M4 17.56 dBV/m	Grid 5 M4 17.88 dBV/m	Grid 6 M4 16.64 dBV/m
Grid 7 M4 17.27 dBV/m	Grid 8 M4 17.27 dBV/m	Grid 9 M4 16.41 dBV/m



0 dB = 7.834 V/m = 17.88 dBV/m

HAC-RF Emission ANT 3

Communication System: UID 0, 1@IEEE 802.11b/g/n 2.4 GHz Band (0); Frequency: 2462 MHz; Duty Cycle: 1:1

Phantom section: RF Section

DASY5 Configuration:

- Probe: EF3DV3 - SN4041; ConvF(1, 1, 1) @ 2462 MHz; Calibrated: 3/22/2021
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1547; Calibrated: 4/19/2021
- 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)

802.11b_E-Field measurement/OFDM 11 Mbps Ch. 11/Hearing Aid Compatibility Test (101x101x1):

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

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 9.612 V/m; Power Drift = -0.01 dB

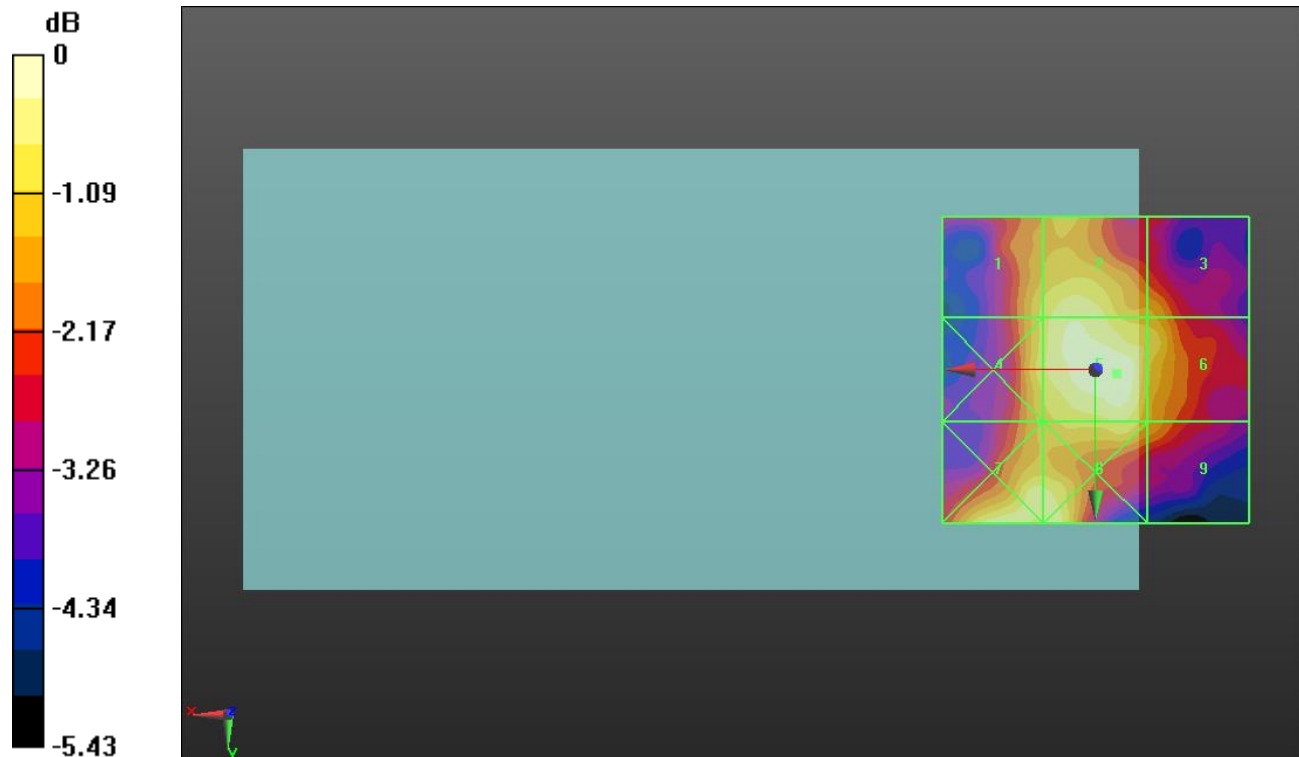
Applied MIF = 0.00 dB

RF audio interference level = 17.76 dBV/m

Emission category: **M4**

MIF scaled E-field

Grid 1 M4 16.86 dBV/m	Grid 2 M4 17.38 dBV/m	Grid 3 M4 16.51 dBV/m
Grid 4 M4 16.99 dBV/m	Grid 5 M4 17.76 dBV/m	Grid 6 M4 17.01 dBV/m
Grid 7 M4 17.45 dBV/m	Grid 8 M4 17.24 dBV/m	Grid 9 M4 16.39 dBV/m



0 dB = 7.730 V/m = 17.76 dBV/m

HAC-RF Emission ANT 3

Communication System: UID 0, 1@IEEE 802.11b/g/n 2.4 GHz Band (0); Frequency: 2422 MHz; Duty Cycle: 1:1

Phantom section: RF Section

DASY5 Configuration:

- Probe: EF3DV3 - SN4041; ConvF(1, 1, 1) @ 2422 MHz; Calibrated: 3/22/2021
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1547; Calibrated: 4/19/2021
- 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)

802.11g_E-Field measurement/DSSS/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 = 6.256 V/m; Power Drift = 0.52 dB

Applied MIF = 0.00 dB

RF audio interference level = 17.59 dBV/m

Emission category: **M4**

MIF scaled E-field

Grid 1 M4 13.95 dBV/m	Grid 2 M4 14.12 dBV/m	Grid 3 M4 13.13 dBV/m
Grid 4 M4 16.07 dBV/m	Grid 5 M4 17.59 dBV/m	Grid 6 M4 13.47 dBV/m
Grid 7 M4 20.9 dBV/m	Grid 8 M4 18.5 dBV/m	Grid 9 M4 13.27 dBV/m



0 dB = 11.09 V/m = 20.90 dBV/m

HAC-RF Emission ANT 3

Communication System: UID 0, 1@IEEE 802.11b/g/n 2.4 GHz Band (0); Frequency: 2437 MHz; Duty Cycle: 1:1

Phantom section: RF Section

DASY5 Configuration:

- Probe: EF3DV3 - SN4041; ConvF(1, 1, 1) @ 2437 MHz; Calibrated: 3/22/2021
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1547; Calibrated: 4/19/2021
- 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)

802.11g_E-Field measurement/DSSS/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 = 6.043 V/m; Power Drift = 0.07 dB

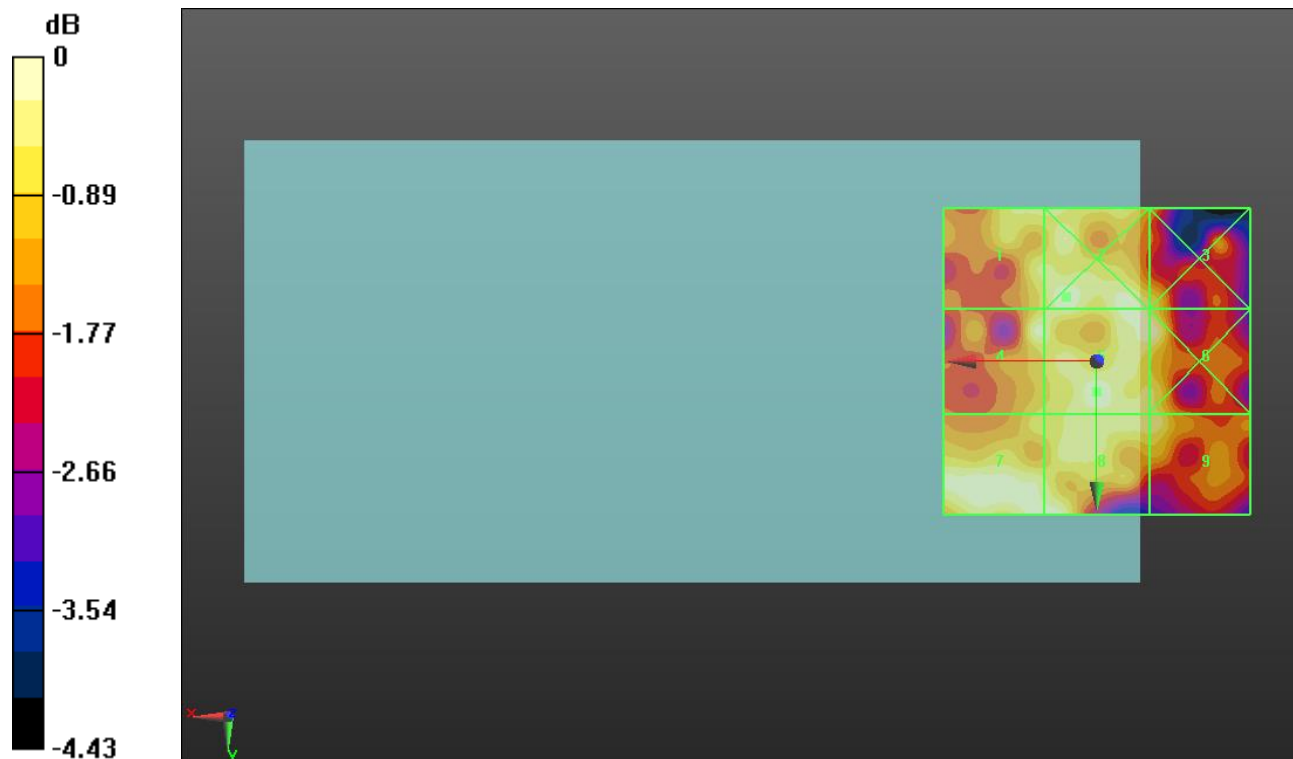
Applied MIF = 0.00 dB

RF audio interference level = 14.23 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 13.87 dBV/m	Grid 2 M4 14.27 dBV/m	Grid 3 M4 13.85 dBV/m
Grid 4 M4 14.09 dBV/m	Grid 5 M4 14.23 dBV/m	Grid 6 M4 14.18 dBV/m
Grid 7 M4 14.18 dBV/m	Grid 8 M4 14.2 dBV/m	Grid 9 M4 13.96 dBV/m



0 dB = 5.173 V/m = 14.27 dBV/m

HAC-RF Emission ANT 3

Communication System: UID 0, 1@IEEE 802.11b/g/n 2.4 GHz Band (0); Frequency: 2452 MHz; Duty Cycle: 1:1

Phantom section: RF Section

DASY5 Configuration:

- Probe: EF3DV3 - SN4041; ConvF(1, 1, 1) @ 2452 MHz; Calibrated: 3/22/2021
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1547; Calibrated: 4/19/2021
- 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)

802.11g_E-Field measurement/DSSS/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 = 6.269 V/m; Power Drift = -0.53 dB

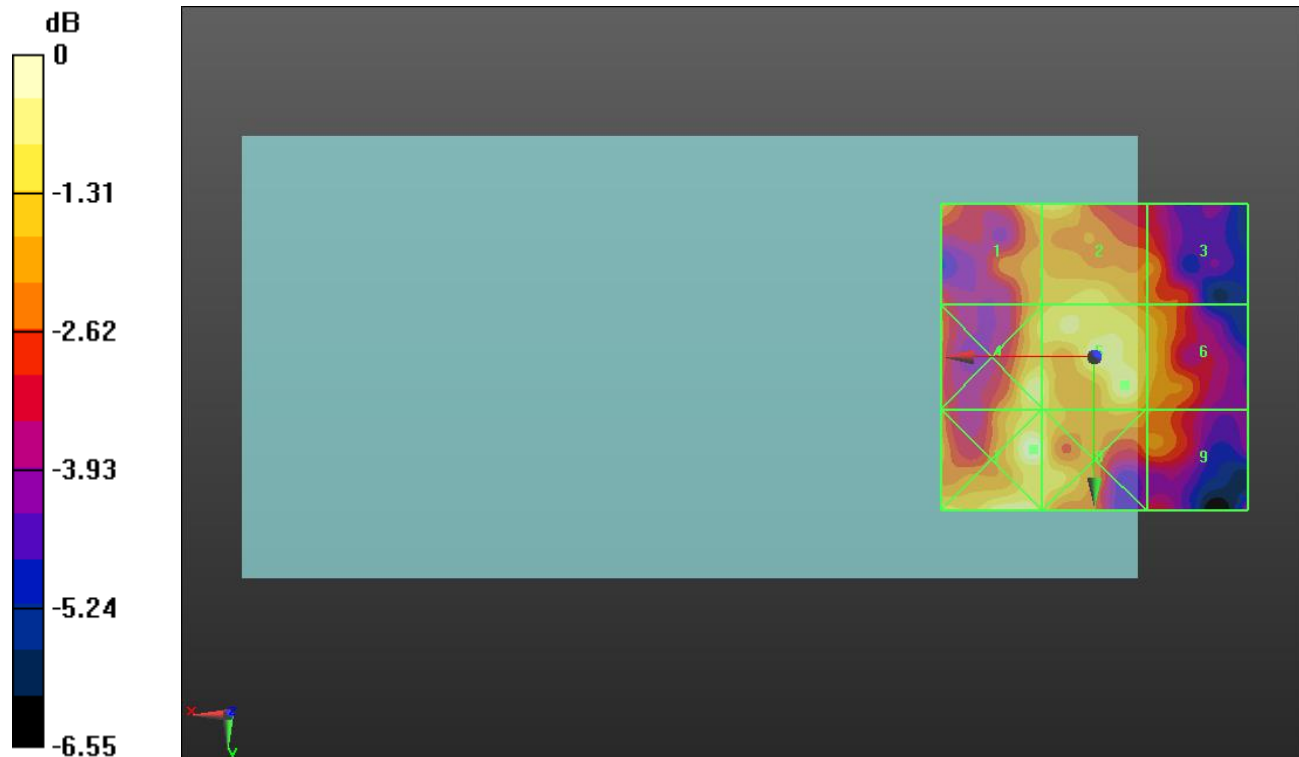
Applied MIF = 0.00 dB

RF audio interference level = 14.22 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 13.68 dBV/m	Grid 2 M4 13.75 dBV/m	Grid 3 M4 12.59 dBV/m
Grid 4 M4 14.15 dBV/m	Grid 5 M4 14.22 dBV/m	Grid 6 M4 13.28 dBV/m
Grid 7 M4 14.6 dBV/m	Grid 8 M4 14.05 dBV/m	Grid 9 M4 12.65 dBV/m



HAC-RF Emission ANT 4

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

Phantom section: RF Section

DASY5 Configuration:

- Probe: EF3DV3 - SN4041; ConvF(1, 1, 1) @ 3560 MHz; Calibrated: 3/22/2021
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1547; Calibrated: 4/19/2021
- 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 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 = 4.803 V/m; Power Drift = -0.81 dB

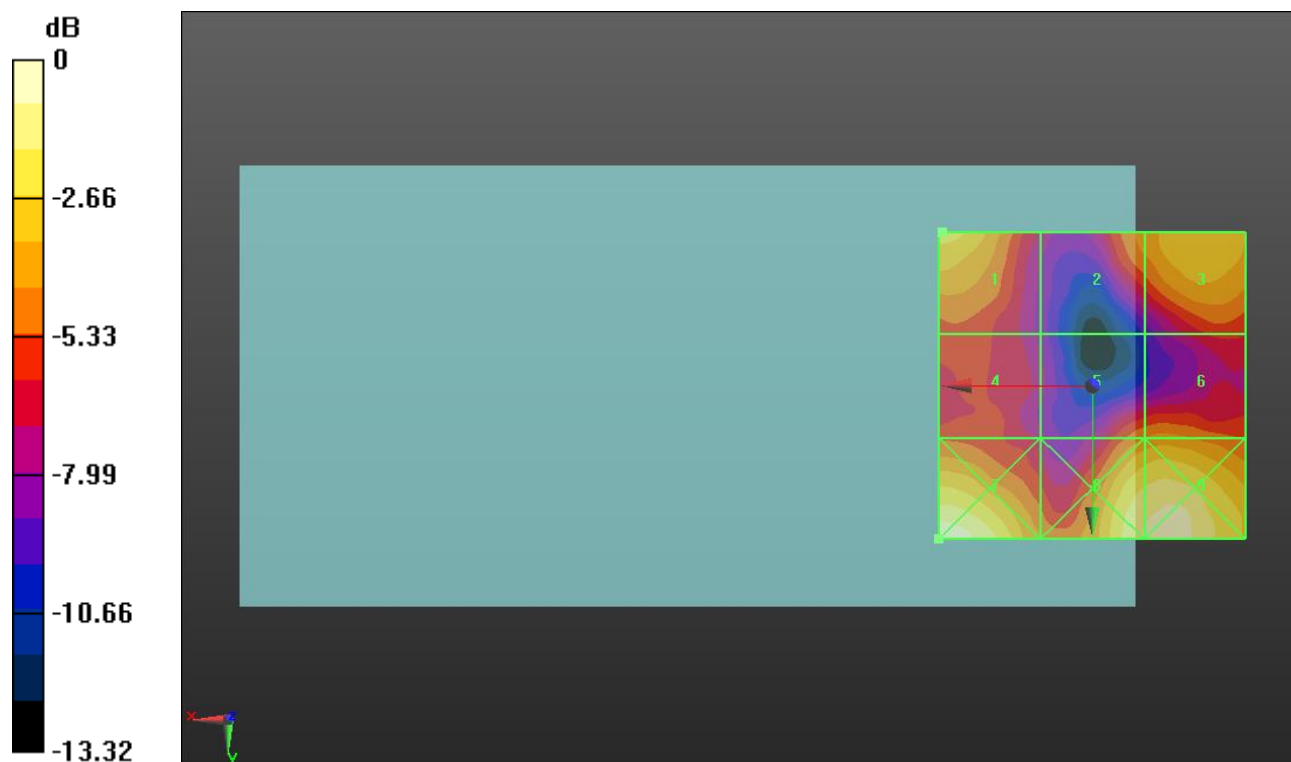
Applied MIF = -1.44 dB

RF audio interference level = 18.81 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 18.81 dBV/m	Grid 2 M4 17.03 dBV/m	Grid 3 M4 18.33 dBV/m
Grid 4 M4 15.66 dBV/m	Grid 5 M4 16.71 dBV/m	Grid 6 M4 17.06 dBV/m
Grid 7 M4 21.11 dBV/m	Grid 8 M4 20.28 dBV/m	Grid 9 M4 20.61 dBV/m



0 dB = 11.37 V/m = 21.12 dBV/m

HAC-RF Emission ANT 4

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

Phantom section: RF Section

DASY5 Configuration:

- Probe: EF3DV3 - SN4041; ConvF(1, 1, 1) @ 3603.3 MHz; Calibrated: 3/22/2021
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1547; Calibrated: 4/19/2021
- 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 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 = 4.177 V/m; Power Drift = -0.37 dB

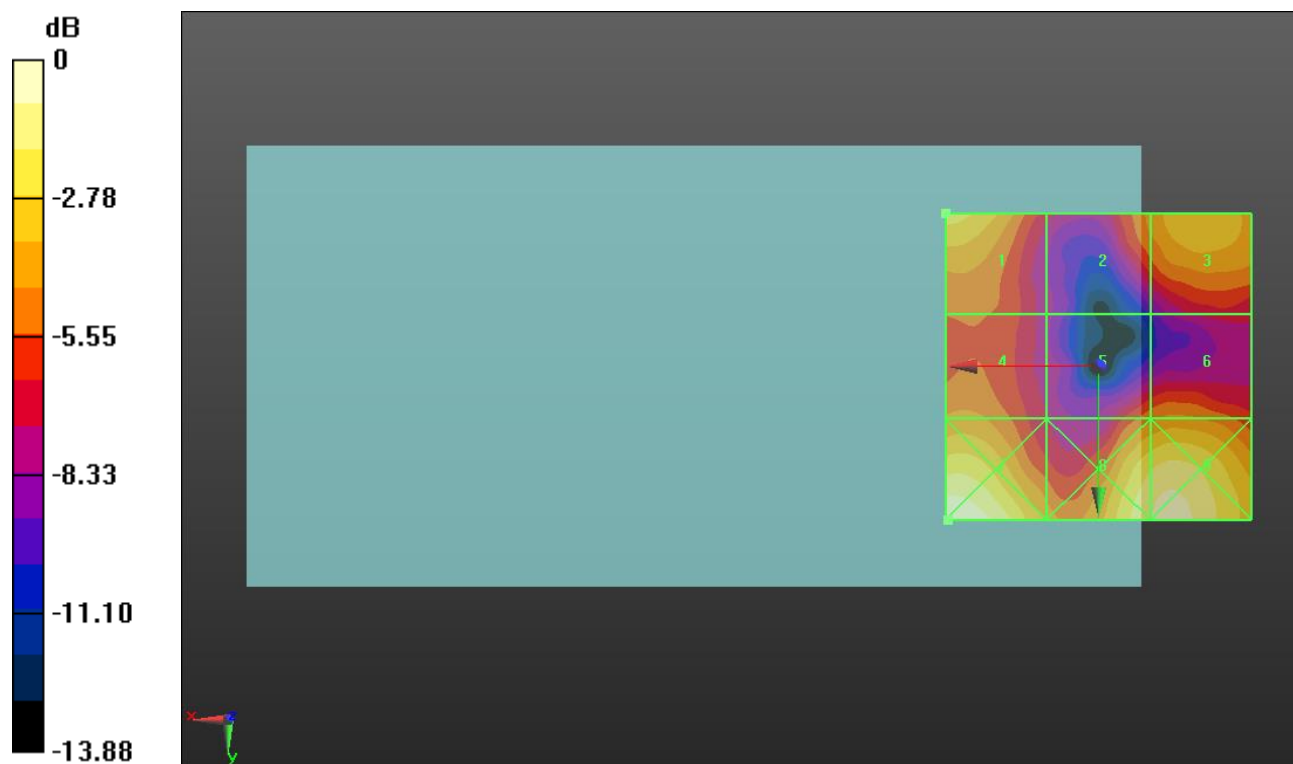
Applied MIF = -1.44 dB

RF audio interference level = 19.27 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 19.27 dBV/m	Grid 2 M4 17.2 dBV/m	Grid 3 M4 18.39 dBV/m
Grid 4 M4 17.17 dBV/m	Grid 5 M4 16.6 dBV/m	Grid 6 M4 17.15 dBV/m
Grid 7 M4 21.47 dBV/m	Grid 8 M4 20.53 dBV/m	Grid 9 M4 20.83 dBV/m



0 dB = 11.84 V/m = 21.47 dBV/m

HAC-RF Emission ANT 4

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

Phantom section: RF Section

DASY5 Configuration:

- Probe: EF3DV3 - SN4041; ConvF(1, 1, 1) @ 3646.7 MHz; Calibrated: 3/22/2021
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1547; Calibrated: 4/19/2021
- 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 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 = 3.718 V/m; Power Drift = 0.50 dB

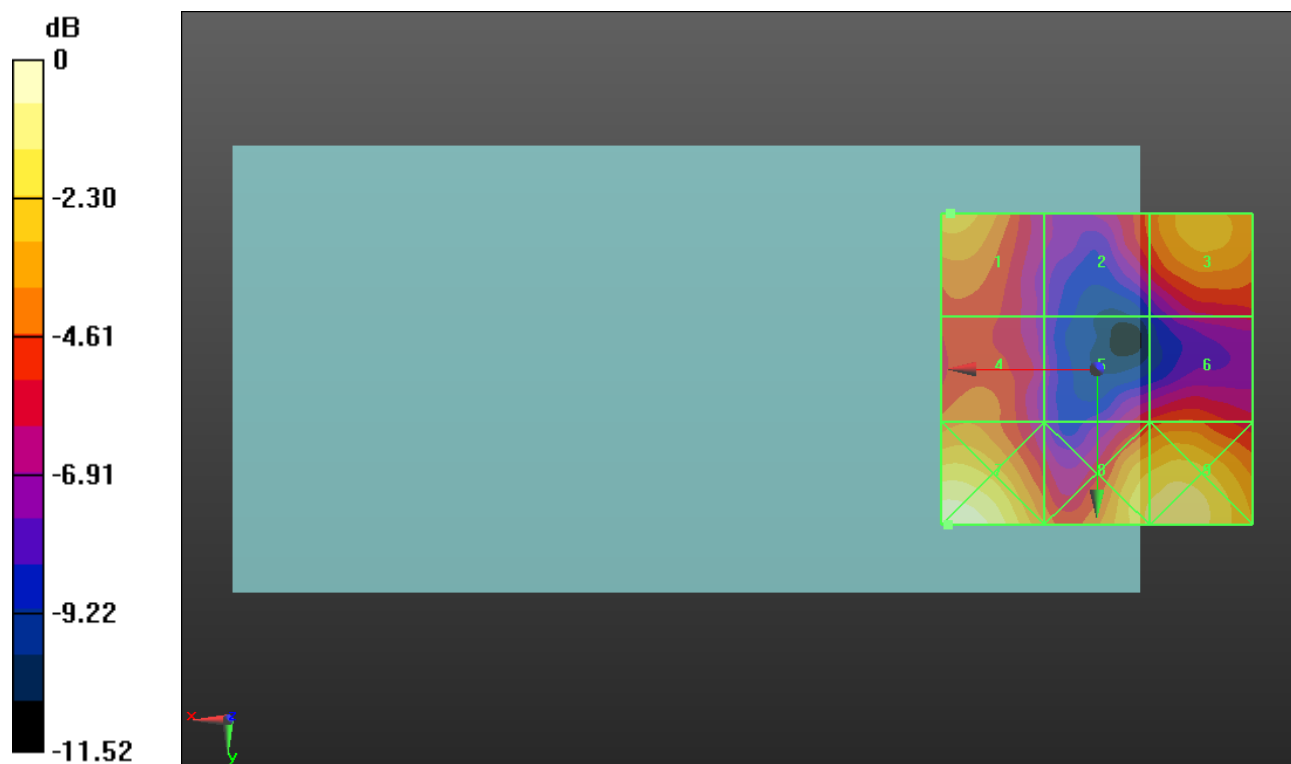
Applied MIF = -1.44 dB

RF audio interference level = 18.98 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 18.98 dBV/m	Grid 2 M4 17.25 dBV/m	Grid 3 M4 18.96 dBV/m
Grid 4 M4 17.66 dBV/m	Grid 5 M4 16.39 dBV/m	Grid 6 M4 17.09 dBV/m
Grid 7 M4 21.52 dBV/m	Grid 8 M4 20.22 dBV/m	Grid 9 M4 20.68 dBV/m



0 dB = 11.92 V/m = 21.53 dBV/m

HAC-RF Emission ANT 4

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

Phantom section: RF Section

DASY5 Configuration:

- Probe: EF3DV3 - SN4041; ConvF(1, 1, 1) @ 3690 MHz; Calibrated: 3/22/2021
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1547; Calibrated: 4/19/2021
- 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 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 = 4.571 V/m; Power Drift = 0.05 dB

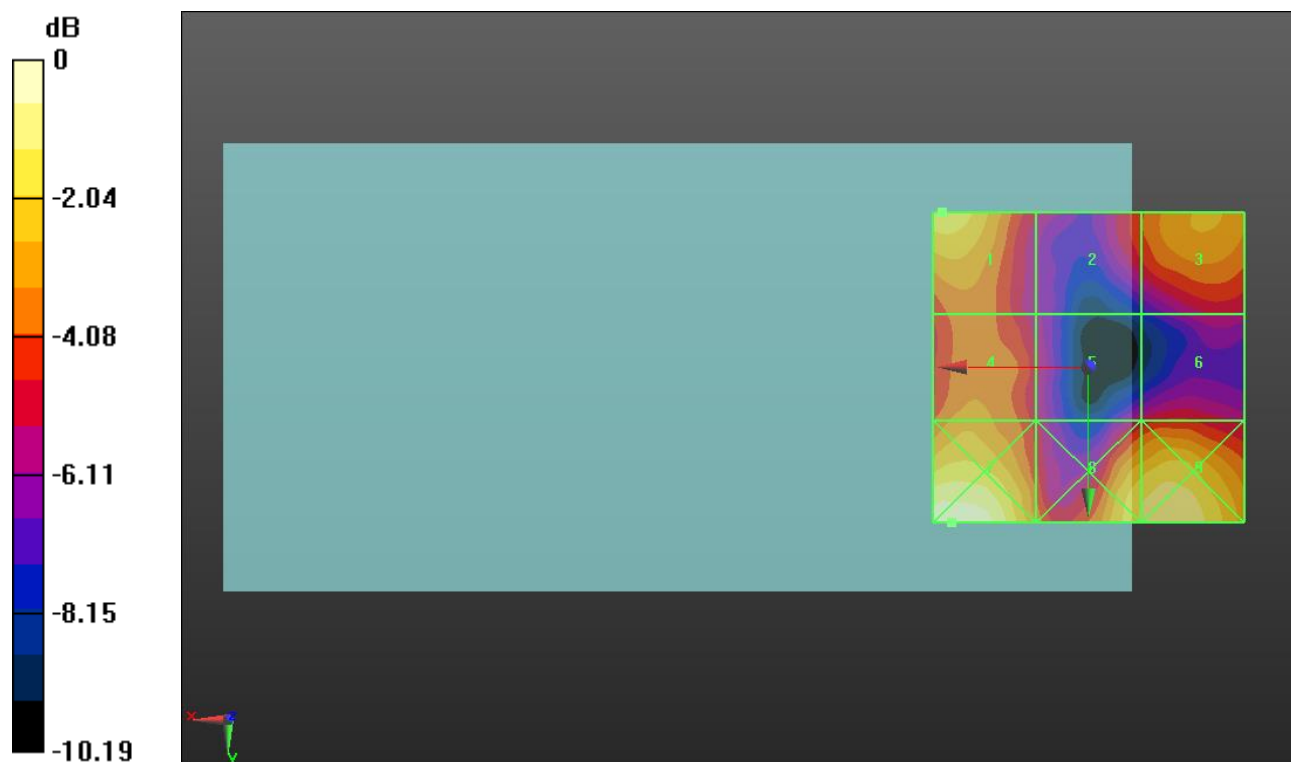
Applied MIF = -1.44 dB

RF audio interference level = 19.39 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 19.39 dBV/m	Grid 2 M4 16.68 dBV/m	Grid 3 M4 18.24 dBV/m
Grid 4 M4 17.81 dBV/m	Grid 5 M4 15.68 dBV/m	Grid 6 M4 16.17 dBV/m
Grid 7 M4 20.8 dBV/m	Grid 8 M4 19.5 dBV/m	Grid 9 M4 20.13 dBV/m



0 dB = 10.96 V/m = 20.80 dBV/m

