

GSM 850

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 - SN4064; ConvF(1, 1, 1); Calibrated: 2018-11-15;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1447; Calibrated: 2018-03-15
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

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 = 45.26 V/m; Power Drift = -0.00 dB

Applied MIF = 3.63 dB

RF audio interference level = 34.35 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 33.35 dBV/m	Grid 2 M4 33.75 dBV/m	Grid 3 M4 32.86 dBV/m
Grid 4 M4 33.9 dBV/m	Grid 5 M4 34.35 dBV/m	Grid 6 M4 33.72 dBV/m
Grid 7 M4 34.54 dBV/m	Grid 8 M4 34.82 dBV/m	Grid 9 M4 33.92 dBV/m



0 dB = 55.09 V/m = 34.82 dBV/m

GSM 850

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 - SN4064; ConvF(1, 1, 1); Calibrated: 2018-11-15;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1447; Calibrated: 2018-03-15
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

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 = 46.03 V/m; Power Drift = -0.11 dB

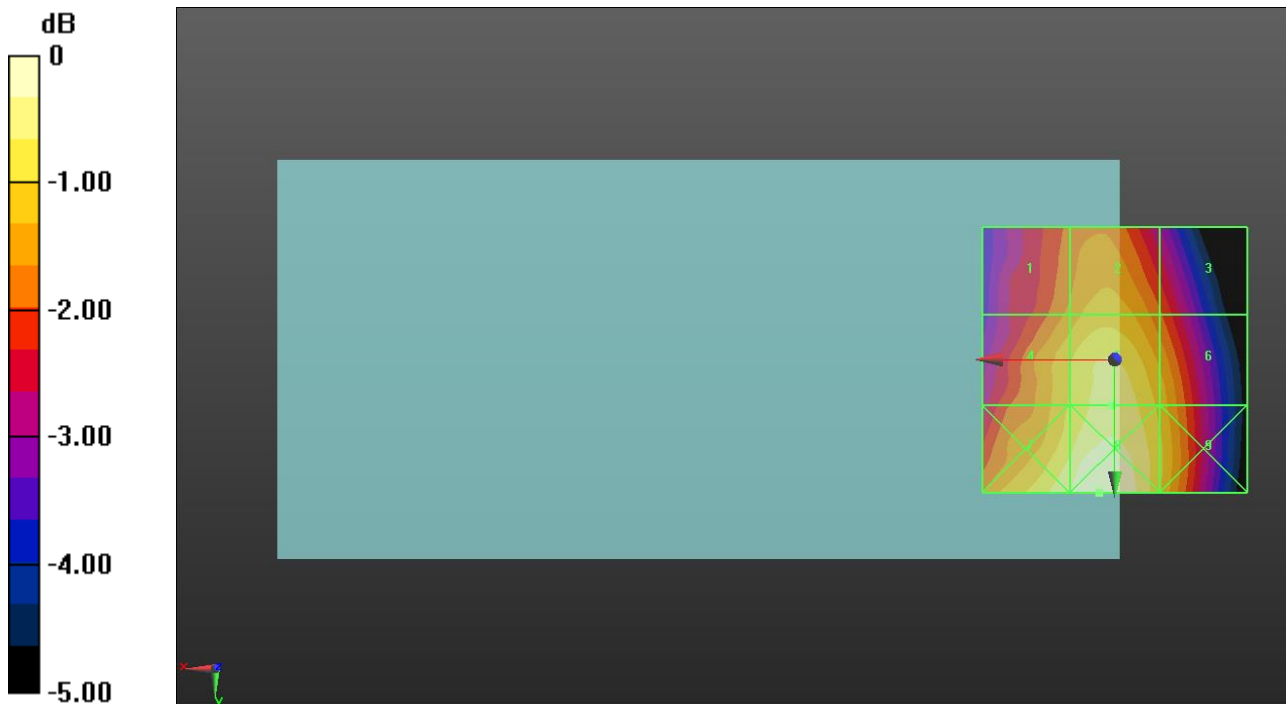
Applied MIF = 3.63 dB

RF audio interference level = 34.43 dBV/m

Emission category: **M4**

MIF scaled E-field

Grid 1 M4 33.33 dBV/m	Grid 2 M4 33.75 dBV/m	Grid 3 M4 32.94 dBV/m
Grid 4 M4 33.9 dBV/m	Grid 5 M4 34.43 dBV/m	Grid 6 M4 33.76 dBV/m
Grid 7 M4 34.53 dBV/m	Grid 8 M4 34.87 dBV/m	Grid 9 M4 33.97 dBV/m



0 dB = 55.40 V/m = 34.87 dBV/m

GSM 850

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 - SN4064; ConvF(1, 1, 1); Calibrated: 2018-11-15;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1447; Calibrated: 2018-03-15
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

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 = 46.52 V/m; Power Drift = 0.00 dB

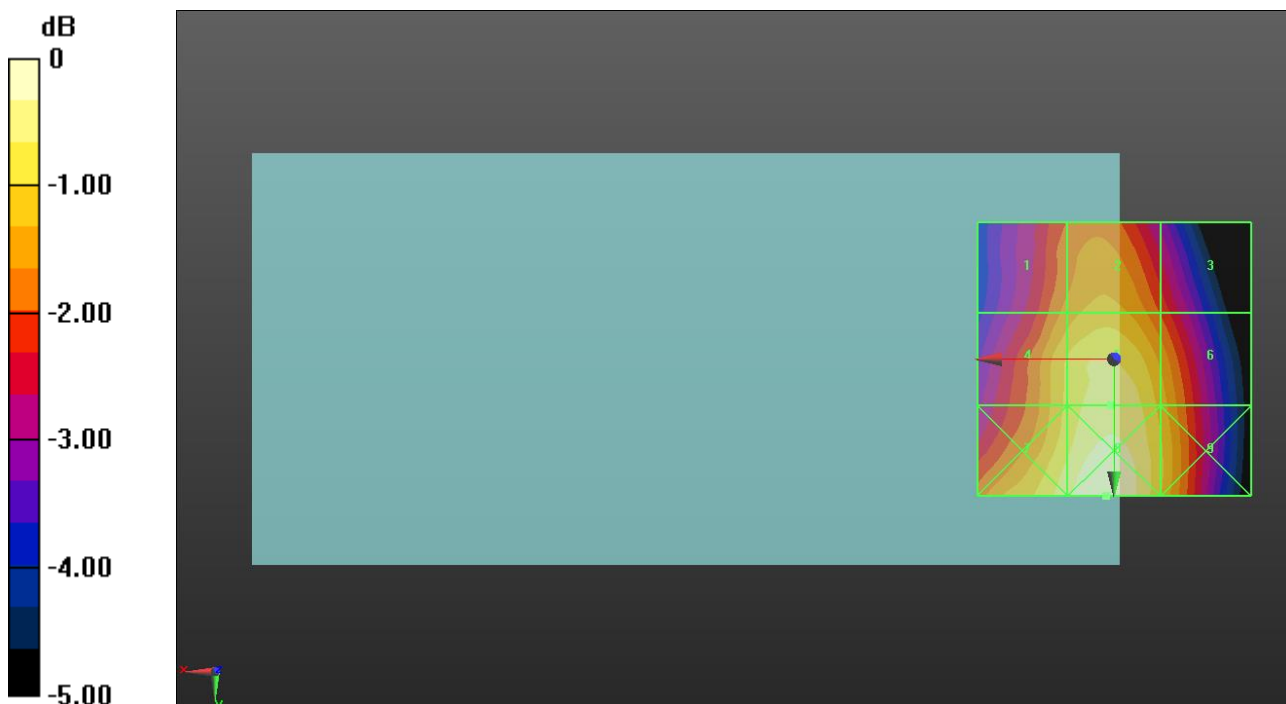
Applied MIF = 3.63 dB

RF audio interference level = 34.61 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 33.58 dBV/m	Grid 2 M4 33.91 dBV/m	Grid 3 M4 33.06 dBV/m
Grid 4 M4 34.18 dBV/m	Grid 5 M4 34.61 dBV/m	Grid 6 M4 33.97 dBV/m
Grid 7 M4 34.66 dBV/m	Grid 8 M4 35.09 dBV/m	Grid 9 M4 34.19 dBV/m



0 dB = 56.81 V/m = 35.09 dBV/m

GSM 1900

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 - SN4064; ConvF(1, 1, 1); Calibrated: 2018-11-15;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1447; Calibrated: 2018-03-15
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

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

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

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 18.73 V/m; Power Drift = -0.09 dB

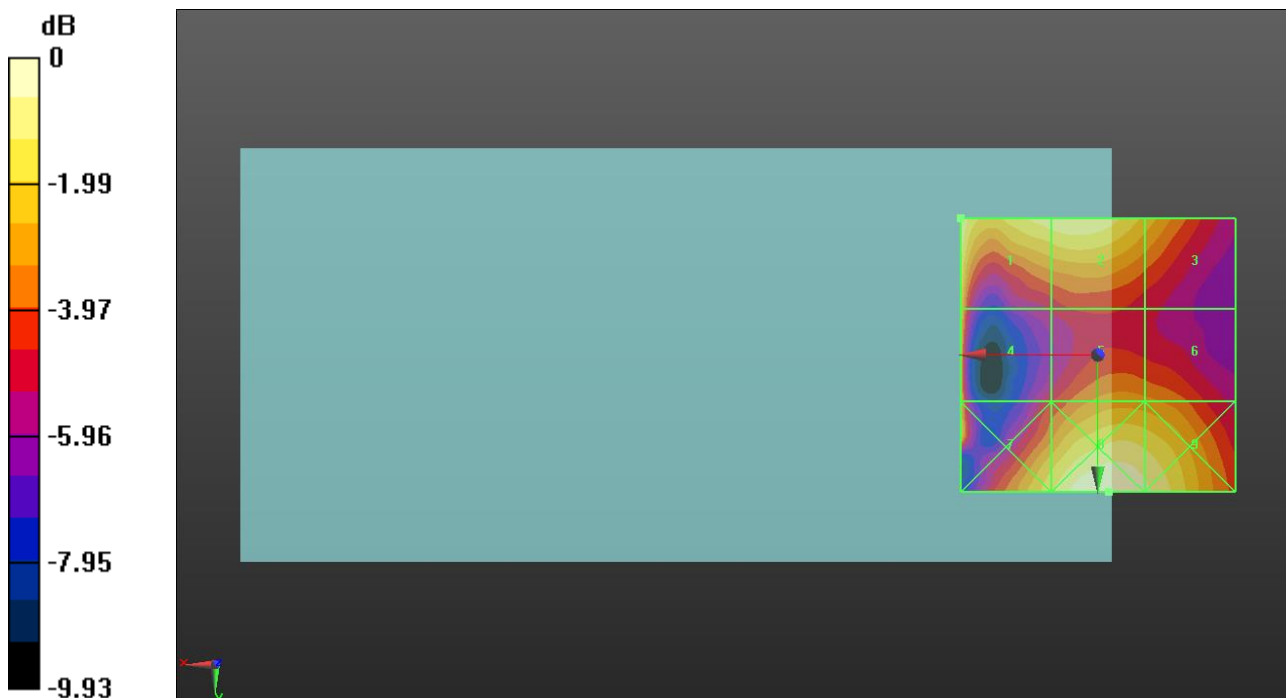
Applied MIF = 3.63 dB

RF audio interference level = 30.74 dBV/m

Emission category: M3

MIF scaled E-field

Grid 1 M3 30.74 dBV/m	Grid 2 M3 30.67 dBV/m	Grid 3 M4 29.2 dBV/m
Grid 4 M4 29.85 dBV/m	Grid 5 M4 28.44 dBV/m	Grid 6 M4 28.29 dBV/m
Grid 7 M3 30.19 dBV/m	Grid 8 M3 31.33 dBV/m	Grid 9 M3 30.86 dBV/m



0 dB = 36.86 V/m = 31.33 dBV/m

GSM 1900

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 - SN4064; ConvF(1, 1, 1); Calibrated: 2018-11-15;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1447; Calibrated: 2018-03-15
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

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 = 17.28 V/m; Power Drift = -0.14 dB

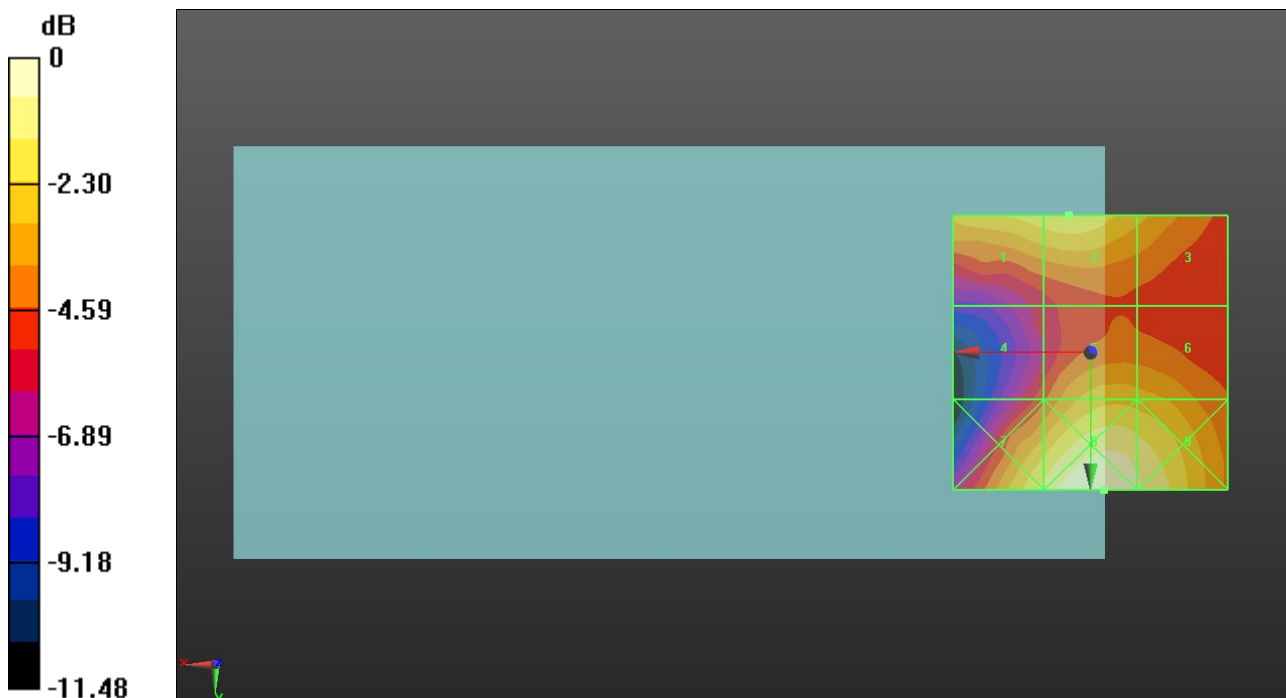
Applied MIF = 3.63 dB

RF audio interference level = 28.95 dBV/m

Emission category: **M4**

MIF scaled E-field

Grid 1 M4 28.74 dBV/m	Grid 2 M4 28.95 dBV/m	Grid 3 M4 27.78 dBV/m
Grid 4 M4 25.85 dBV/m	Grid 5 M4 28.06 dBV/m	Grid 6 M4 27.9 dBV/m
Grid 7 M4 29.3 dBV/m	Grid 8 M3 30.54 dBV/m	Grid 9 M4 29.91 dBV/m



0 dB = 33.64 V/m = 30.54 dBV/m

GSM 1900

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 - SN4064; ConvF(1, 1, 1); Calibrated: 2018-11-15;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1447; Calibrated: 2018-03-15
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

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 = 18.20 V/m; Power Drift = 0.04 dB

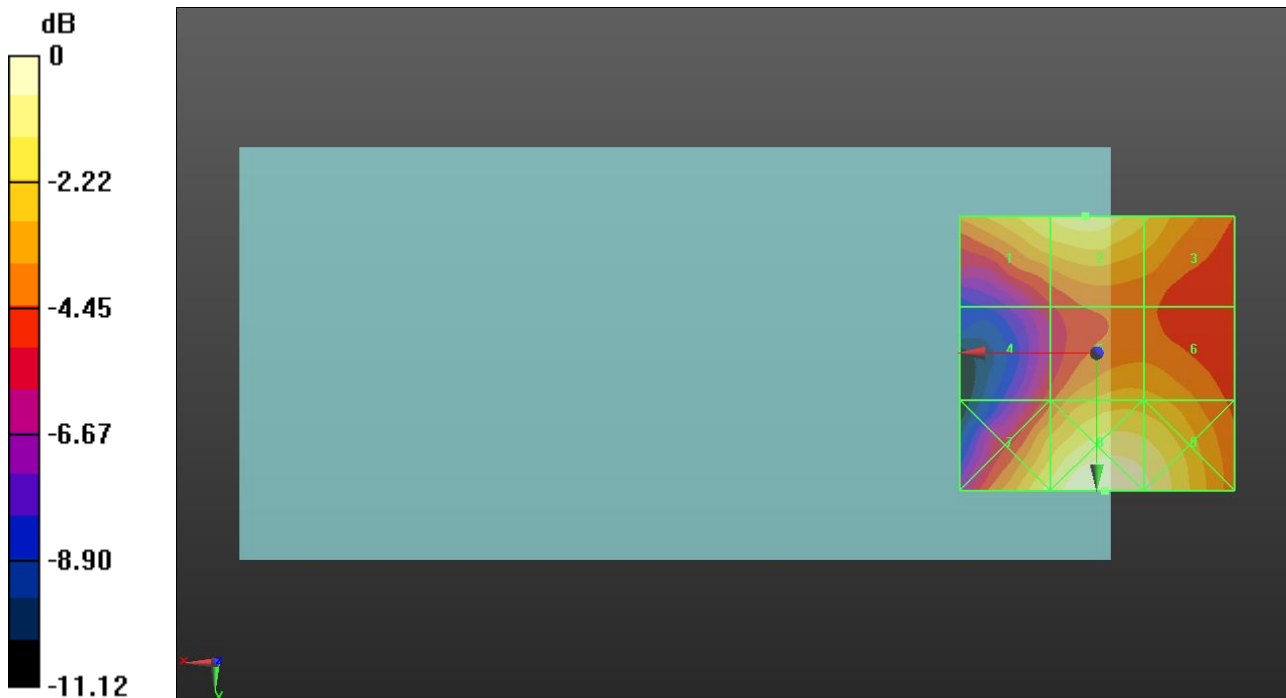
Applied MIF = 3.63 dB

RF audio interference level = 29.81 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 29.35 dBV/m	Grid 2 M4 29.81 dBV/m	Grid 3 M4 28.74 dBV/m
Grid 4 M4 26.07 dBV/m	Grid 5 M4 28.19 dBV/m	Grid 6 M4 28.09 dBV/m
Grid 7 M4 29.65 dBV/m	Grid 8 M3 30.73 dBV/m	Grid 9 M3 30.23 dBV/m



0 dB = 34.39 V/m = 30.73 dBV/m

LTE Band 41

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 - SN4064; ConvF(1, 1, 1); Calibrated: 2018-11-15;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1447; Calibrated: 2018-03-15
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

LTE Band 41 E-Field measurement/Voice_ch 39750 RB 1/0/Hearing Aid Compatibility

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

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 13.30 V/m; Power Drift = -0.09 dB

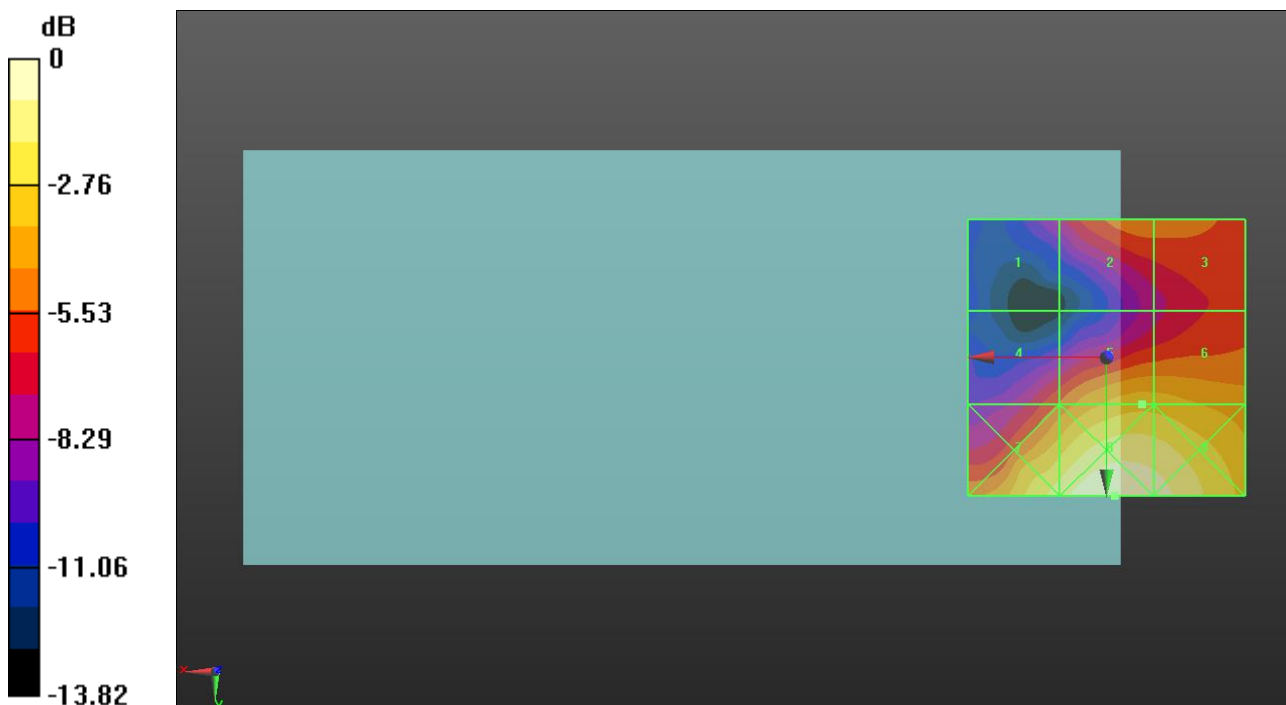
Applied MIF = -1.44 dB

RF audio interference level = 22.13 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 17.54 dBV/m	Grid 2 M4 20.39 dBV/m	Grid 3 M4 20.35 dBV/m
Grid 4 M4 19.86 dBV/m	Grid 5 M4 22.13 dBV/m	Grid 6 M4 22.08 dBV/m
Grid 7 M4 23.89 dBV/m	Grid 8 M4 25.2 dBV/m	Grid 9 M4 24.73 dBV/m



0 dB = 18.19 V/m = 25.20 dBV/m

LTE Band 41

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 - SN4064; ConvF(1, 1, 1); Calibrated: 2018-11-15;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1447; Calibrated: 2018-03-15
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

LTE Band 41 E-Field measurement/Voice_ch 40185 RB 1/0/Hearing Aid Compatibility Test (101x101x1):

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

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 11.69 V/m; Power Drift = 0.04 dB

Applied MIF = -1.44 dB

RF audio interference level = 21.88 dBV/m

Emission category: **M4**

MIF scaled E-field

Grid 1 M4 16.46 dBV/m	Grid 2 M4 17.91 dBV/m	Grid 3 M4 18.01 dBV/m
Grid 4 M4 18.67 dBV/m	Grid 5 M4 21.88 dBV/m	Grid 6 M4 21.82 dBV/m
Grid 7 M4 22.24 dBV/m	Grid 8 M4 24.6 dBV/m	Grid 9 M4 24.28 dBV/m



0 dB = 16.97 V/m = 24.59 dBV/m

LTE Band 41

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 - SN4064; ConvF(1, 1, 1); Calibrated: 2018-11-15;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1447; Calibrated: 2018-03-15
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

LTE Band 41 E-Field measurement/Voice_ch 40620 RB 1/0/Hearing Aid Compatibility

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

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 11.75 V/m; Power Drift = -0.06 dB

Applied MIF = -1.44 dB

RF audio interference level = 21.08 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 18.25 dBV/m	Grid 2 M4 16.61 dBV/m	Grid 3 M4 16.6 dBV/m
Grid 4 M4 18.56 dBV/m	Grid 5 M4 21.08 dBV/m	Grid 6 M4 21.06 dBV/m
Grid 7 M4 21.06 dBV/m	Grid 8 M4 23.53 dBV/m	Grid 9 M4 23.4 dBV/m



0 dB = 15.01 V/m = 23.53 dBV/m

LTE Band 41

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 - SN4064; ConvF(1, 1, 1); Calibrated: 2018-11-15;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1447; Calibrated: 2018-03-15
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

LTE Band 41 E-Field measurement/Voice_ch 41055 RB 1/0/Hearing Aid Compatibility Test (101x101x1):

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

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 10.97 V/m; Power Drift = 0.03 dB

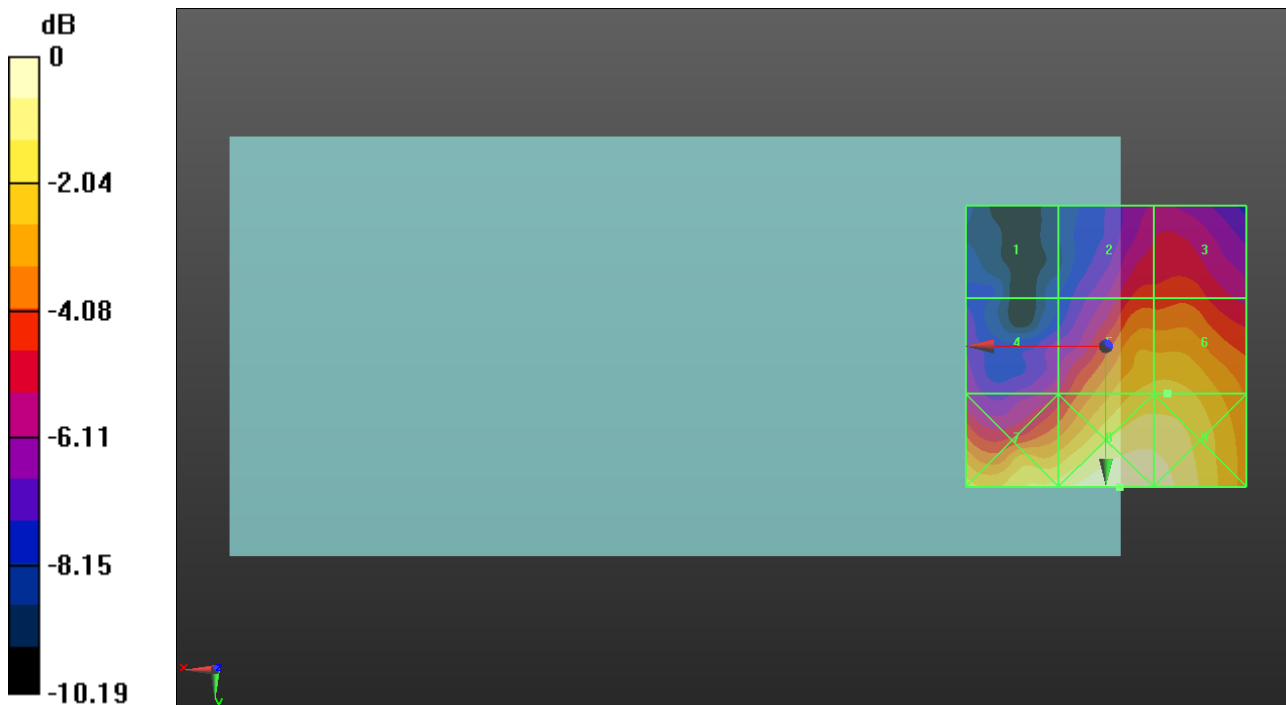
Applied MIF = -1.44 dB

RF audio interference level = 19.77 dBV/m

Emission category: **M4**

MIF scaled E-field

Grid 1 M4 13.77 dBV/m	Grid 2 M4 17.19 dBV/m	Grid 3 M4 17.39 dBV/m
Grid 4 M4 16.28 dBV/m	Grid 5 M4 19.76 dBV/m	Grid 6 M4 19.77 dBV/m
Grid 7 M4 20.49 dBV/m	Grid 8 M4 21.56 dBV/m	Grid 9 M4 21.28 dBV/m



0 dB = 11.96 V/m = 21.55 dBV/m

LTE Band 41

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 - SN4064; ConvF(1, 1, 1); Calibrated: 2018-11-15;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1447; Calibrated: 2018-03-15
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

LTE Band 41 E-Field measurement/Voice_ch 41490 RB 1/0/Hearing Aid Compatibility

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

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 10.73 V/m; Power Drift = -0.61 dB

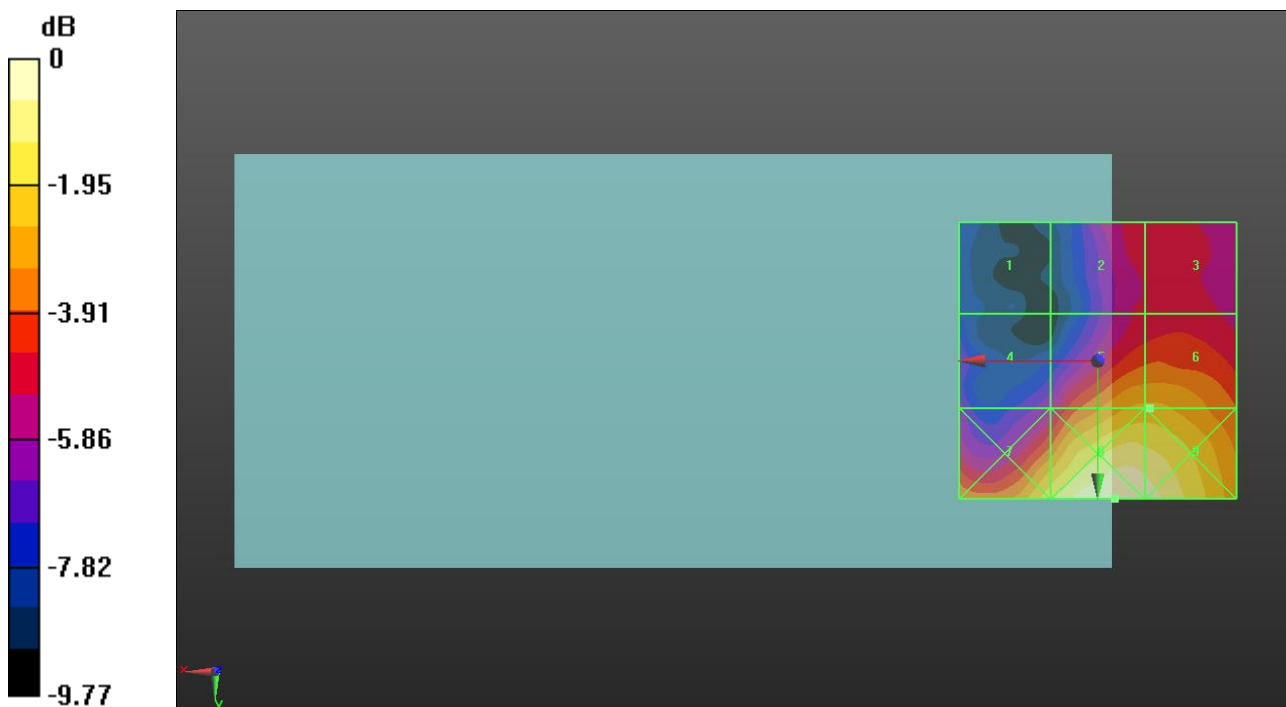
Applied MIF = -1.44 dB

RF audio interference level = 20.27 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 15.06 dBV/m	Grid 2 M4 17.83 dBV/m	Grid 3 M4 17.95 dBV/m
Grid 4 M4 16.95 dBV/m	Grid 5 M4 20.26 dBV/m	Grid 6 M4 20.27 dBV/m
Grid 7 M4 21.25 dBV/m	Grid 8 M4 22.68 dBV/m	Grid 9 M4 22.38 dBV/m



0 dB = 13.62 V/m = 22.68 dBV/m