

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 = 6.204 V/m; Power Drift = 0.17 dB

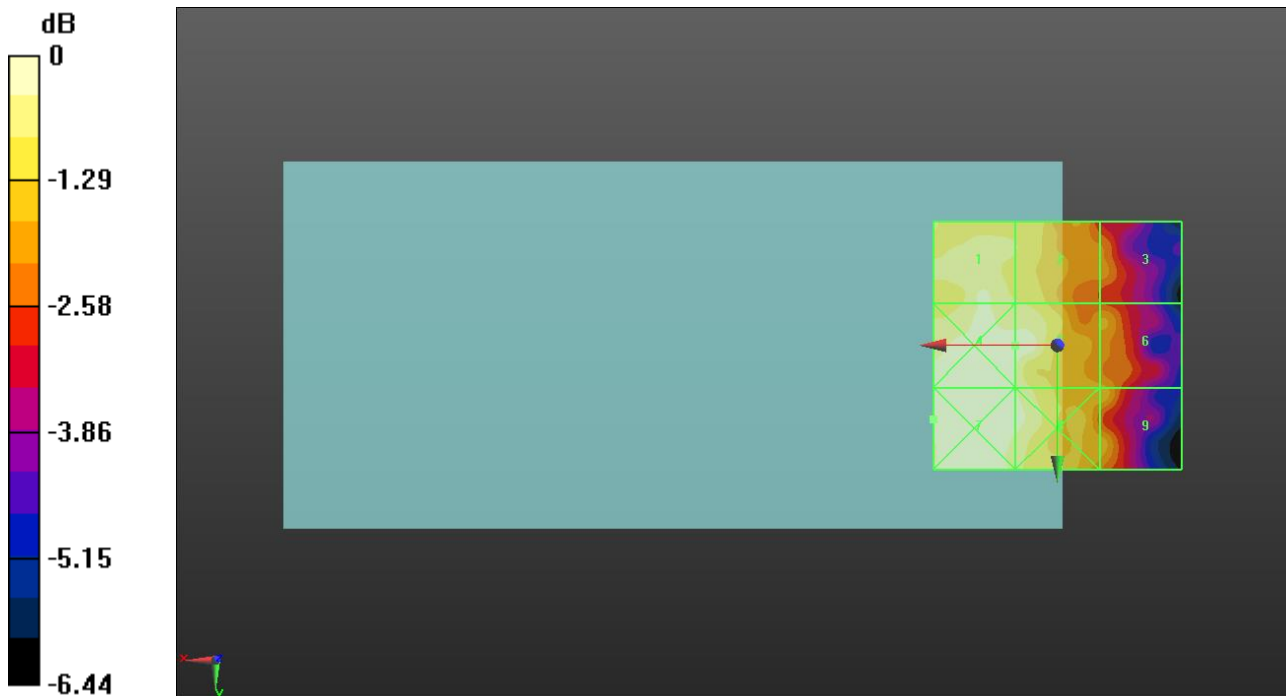
Applied MIF = 3.63 dB

RF audio interference level = 17.88 dBV/m

Emission category: **M4**

MIF scaled E-field

Grid 1 M4 17.66 dBV/m	Grid 2 M4 17.2 dBV/m	Grid 3 M4 16.12 dBV/m
Grid 4 M4 17.99 dBV/m	Grid 5 M4 17.88 dBV/m	Grid 6 M4 16.46 dBV/m
Grid 7 M4 18.02 dBV/m	Grid 8 M4 17.77 dBV/m	Grid 9 M4 16.61 dBV/m



0 dB = 7.958 V/m = 18.02 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 = 6.621 V/m; Power Drift = 0.15 dB

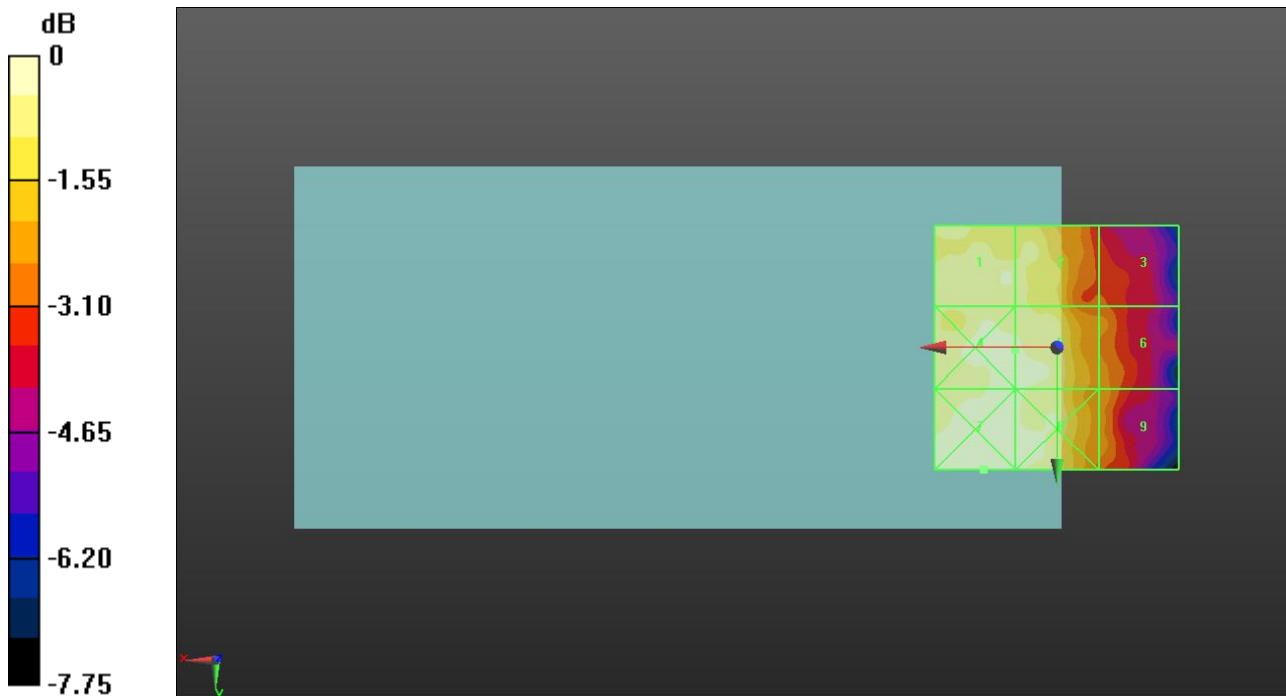
Applied MIF = 3.63 dB

RF audio interference level = 18.56 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 18.41 dBV/m	Grid 2 M4 18.25 dBV/m	Grid 3 M4 15.92 dBV/m
Grid 4 M4 18.69 dBV/m	Grid 5 M4 18.56 dBV/m	Grid 6 M4 16.66 dBV/m
Grid 7 M4 18.84 dBV/m	Grid 8 M4 18.64 dBV/m	Grid 9 M4 16.7 dBV/m



0 dB = 8.753 V/m = 18.84 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 = 7.663 V/m; Power Drift = 0.16 dB

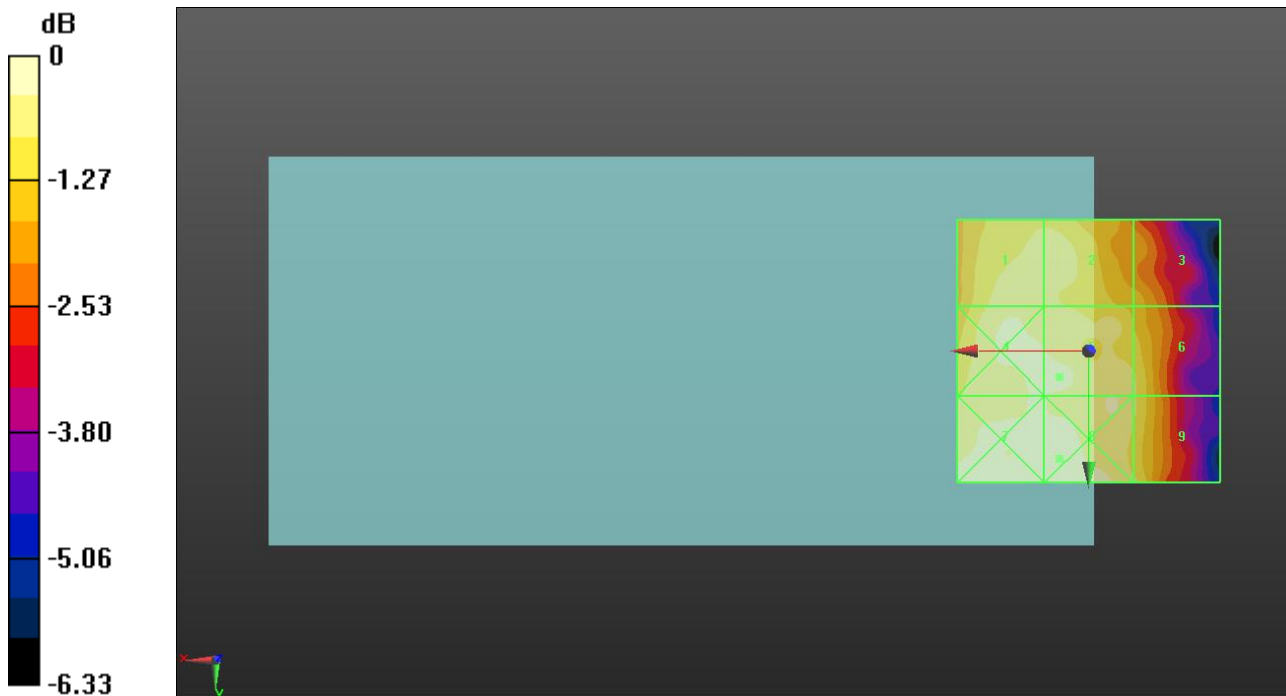
Applied MIF = 3.63 dB

RF audio interference level = 19.77 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 19.41 dBV/m	Grid 2 M4 19.34 dBV/m	Grid 3 M4 18.56 dBV/m
Grid 4 M4 19.74 dBV/m	Grid 5 M4 19.77 dBV/m	Grid 6 M4 19.21 dBV/m
Grid 7 M4 19.89 dBV/m	Grid 8 M4 19.93 dBV/m	Grid 9 M4 19.22 dBV/m



0 dB = 9.925 V/m = 19.93 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 = 16.28 V/m; Power Drift = 0.18 dB

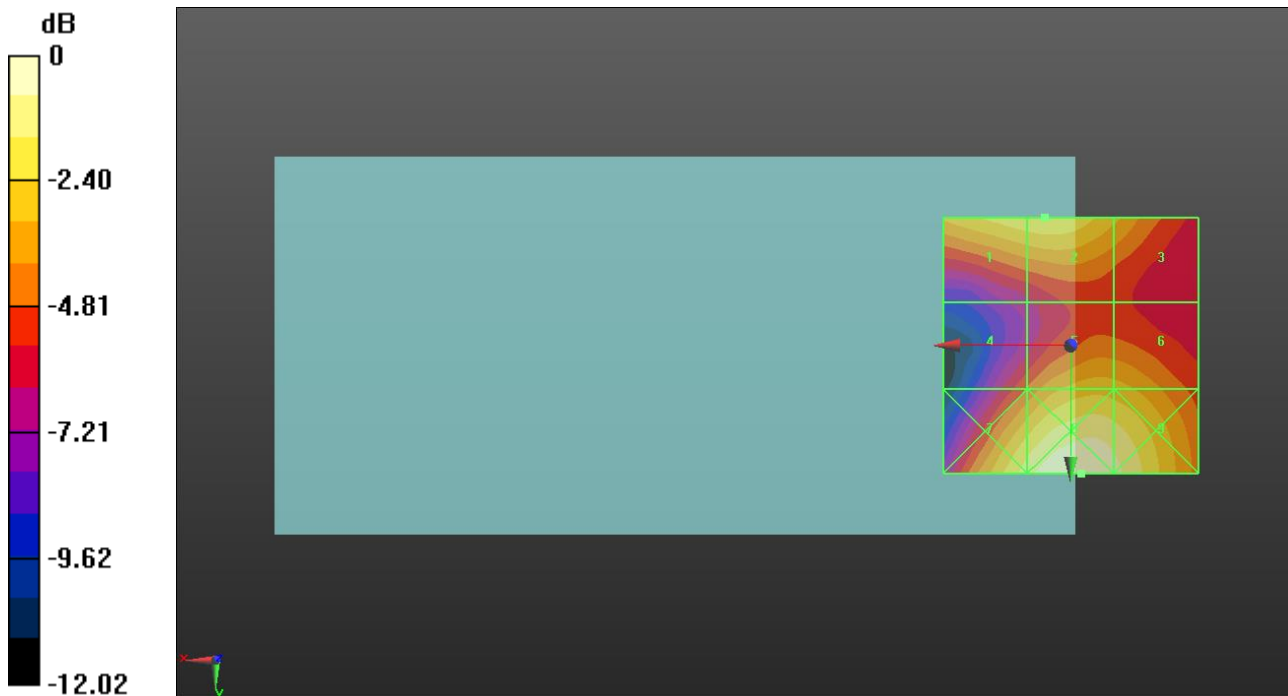
Applied MIF = 3.63 dB

RF audio interference level = 29.19 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 29.05 dBV/m	Grid 2 M4 29.19 dBV/m	Grid 3 M4 27.8 dBV/m
Grid 4 M4 26.09 dBV/m	Grid 5 M4 28.1 dBV/m	Grid 6 M4 27.95 dBV/m
Grid 7 M4 29.59 dBV/m	Grid 8 M3 30.76 dBV/m	Grid 9 M3 30.23 dBV/m



0 dB = 34.52 V/m = 30.76 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 = 15.81 V/m; Power Drift = 0.01 dB

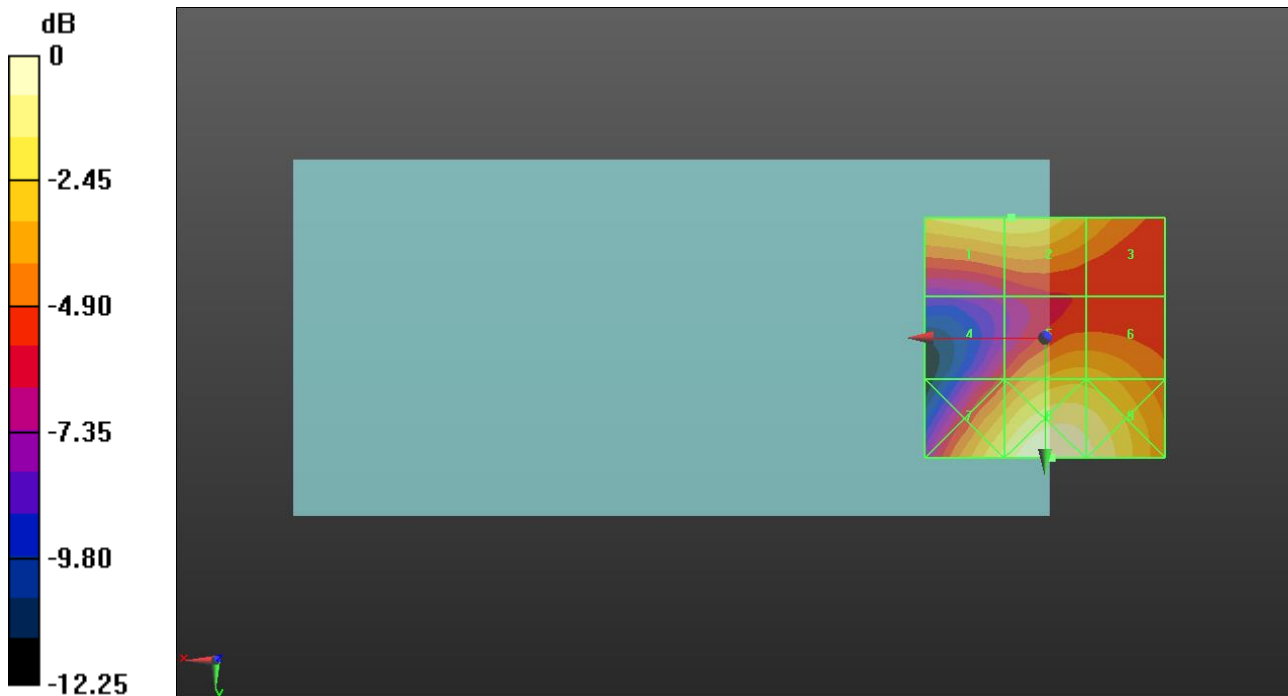
Applied MIF = 3.63 dB

RF audio interference level = 29.51 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 29.49 dBV/m	Grid 2 M4 29.51 dBV/m	Grid 3 M4 27.96 dBV/m
Grid 4 M4 25.83 dBV/m	Grid 5 M4 28.41 dBV/m	Grid 6 M4 28.35 dBV/m
Grid 7 M4 29.83 dBV/m	Grid 8 M3 31.1 dBV/m	Grid 9 M3 30.55 dBV/m



0 dB = 35.89 V/m = 31.10 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 = 18.17 V/m; Power Drift = -0.01 dB

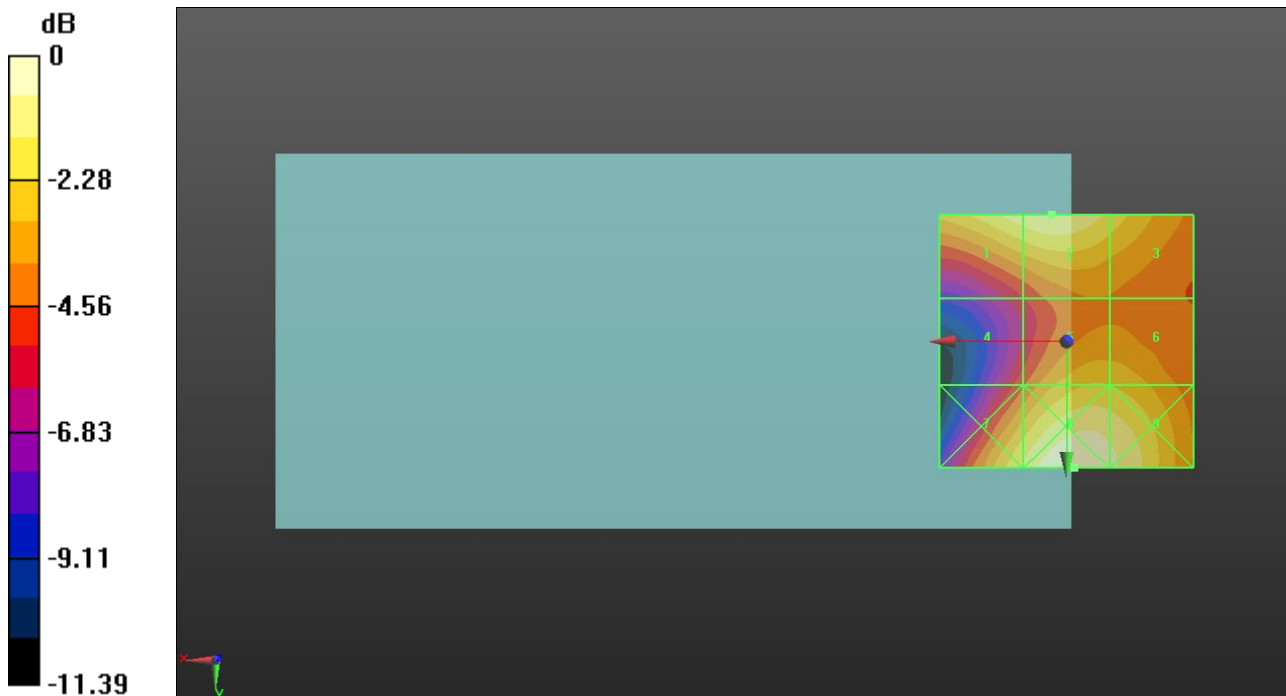
Applied MIF = 3.63 dB

RF audio interference level = 30.15 dBV/m

Emission category: M3

MIF scaled E-field

Grid 1 M4 29.89 dBV/m	Grid 2 M3 30.15 dBV/m	Grid 3 M4 29.13 dBV/m
Grid 4 M4 26.22 dBV/m	Grid 5 M4 28.65 dBV/m	Grid 6 M4 28.56 dBV/m
Grid 7 M4 29.58 dBV/m	Grid 8 M3 30.86 dBV/m	Grid 9 M3 30.34 dBV/m



0 dB = 34.90 V/m = 30.86 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 = 14.47 V/m; Power Drift = -0.17 dB

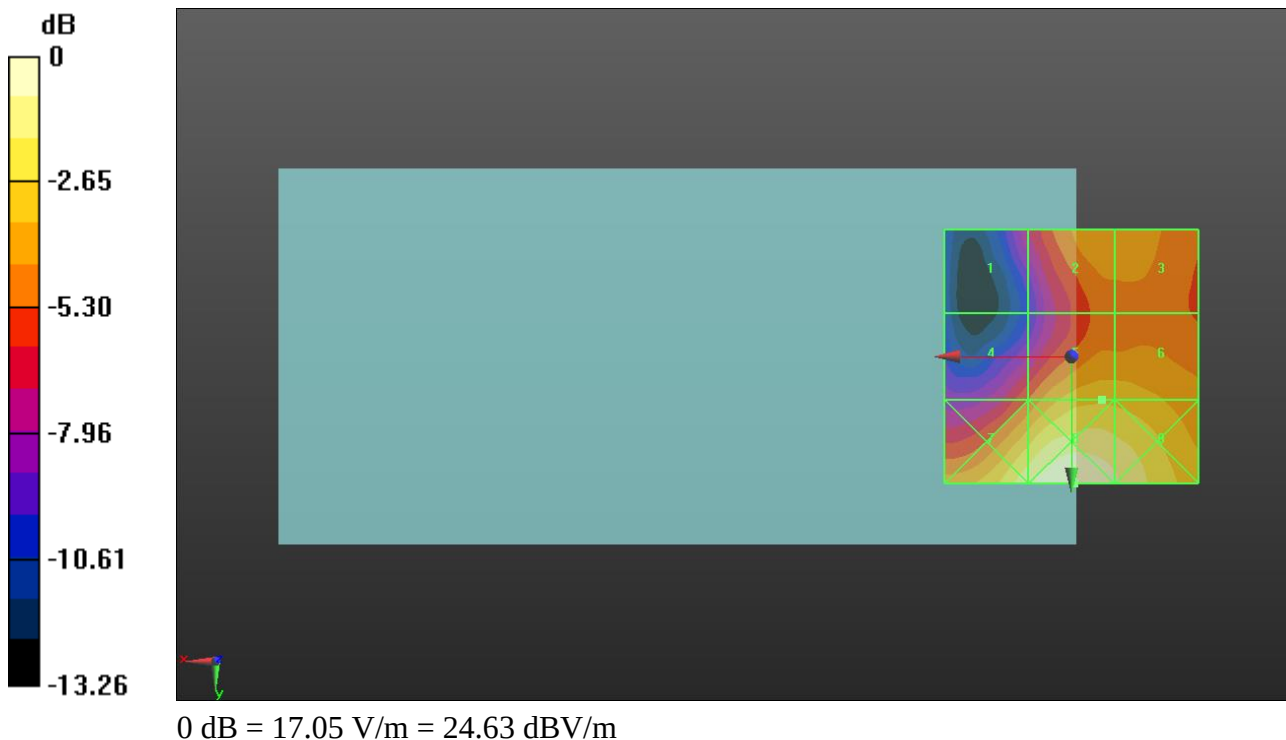
Applied MIF = -1.44 dB

RF audio interference level = 21.84 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 17.53 dBV/m	Grid 2 M4 20.87 dBV/m	Grid 3 M4 20.84 dBV/m
Grid 4 M4 19.4 dBV/m	Grid 5 M4 21.84 dBV/m	Grid 6 M4 21.77 dBV/m
Grid 7 M4 23.59 dBV/m	Grid 8 M4 24.63 dBV/m	Grid 9 M4 23.91 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 = 12.61 V/m; Power Drift = -0.01 dB

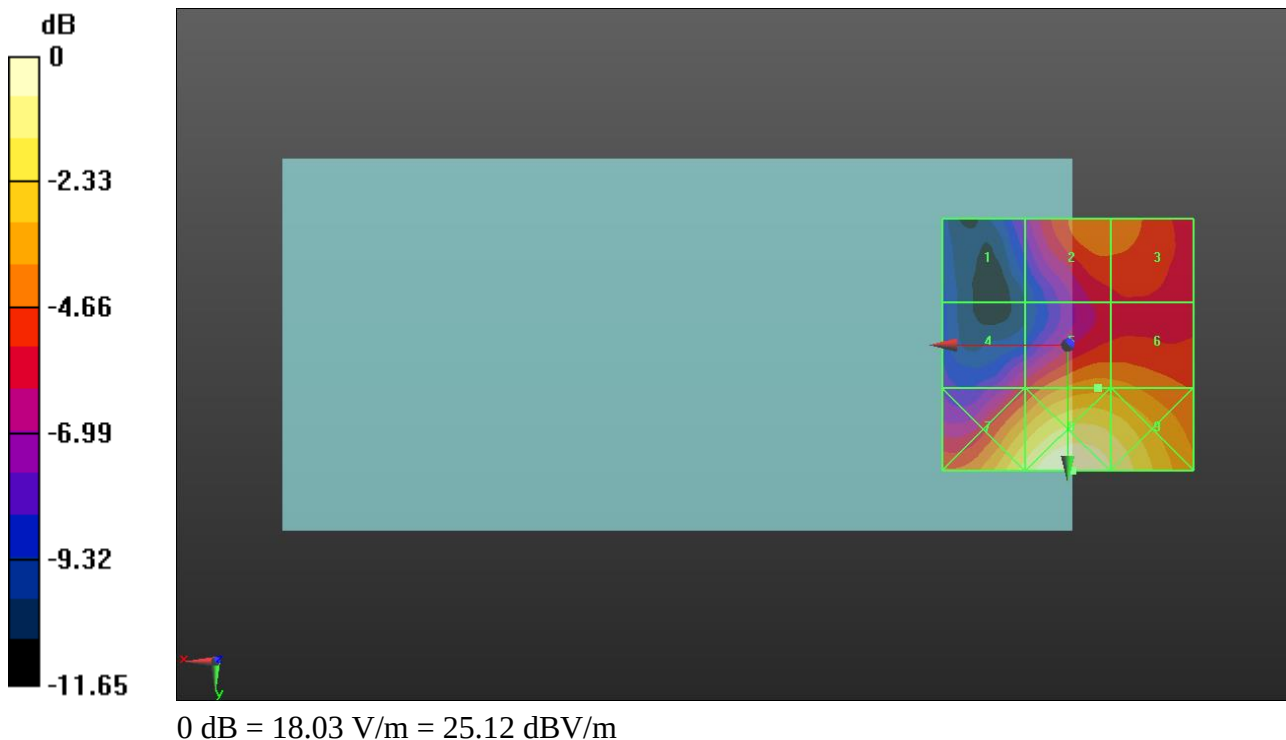
Applied MIF = -1.44 dB

RF audio interference level = 21.75 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 17.75 dBV/m	Grid 2 M4 21.16 dBV/m	Grid 3 M4 20.99 dBV/m
Grid 4 M4 19.42 dBV/m	Grid 5 M4 21.75 dBV/m	Grid 6 M4 21.66 dBV/m
Grid 7 M4 23.92 dBV/m	Grid 8 M4 25.12 dBV/m	Grid 9 M4 24.43 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 = 11.50 V/m; Power Drift = -0.15 dB

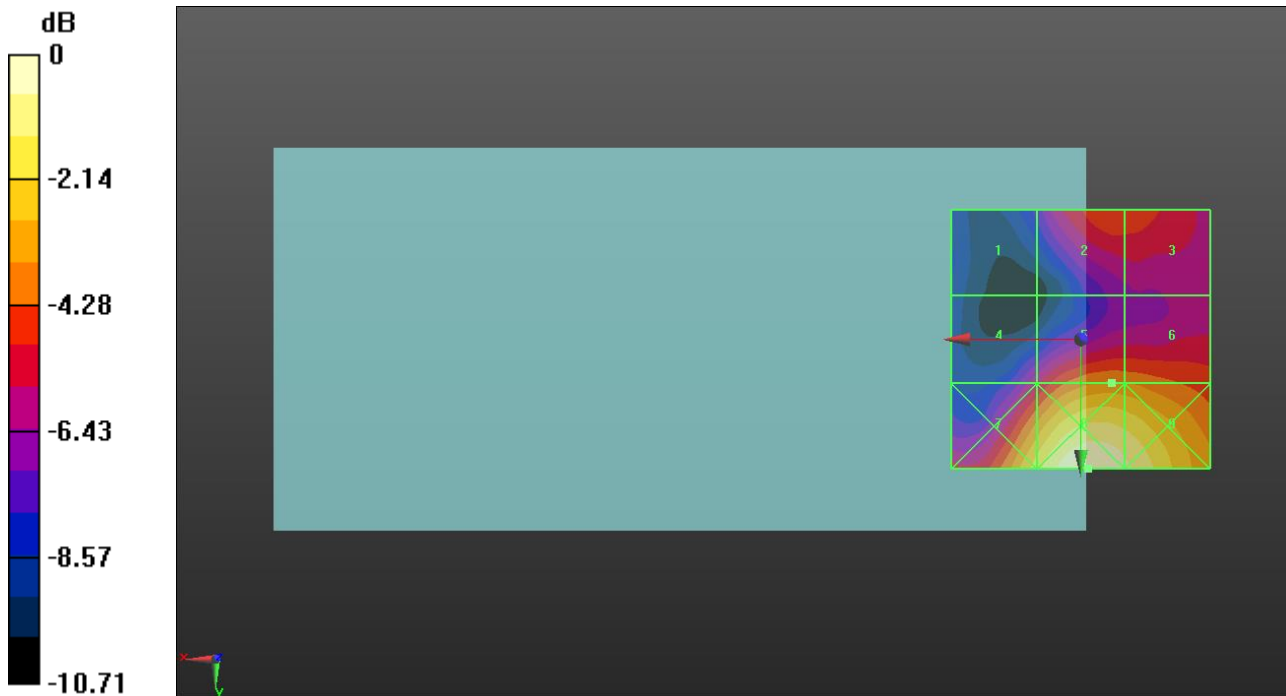
Applied MIF = -1.44 dB

RF audio interference level = 21.09 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 16.99 dBV/m	Grid 2 M4 20.21 dBV/m	Grid 3 M4 20.12 dBV/m
Grid 4 M4 18.69 dBV/m	Grid 5 M4 21.09 dBV/m	Grid 6 M4 20.99 dBV/m
Grid 7 M4 22.83 dBV/m	Grid 8 M4 24.51 dBV/m	Grid 9 M4 23.97 dBV/m



0 dB = 16.80 V/m = 24.51 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

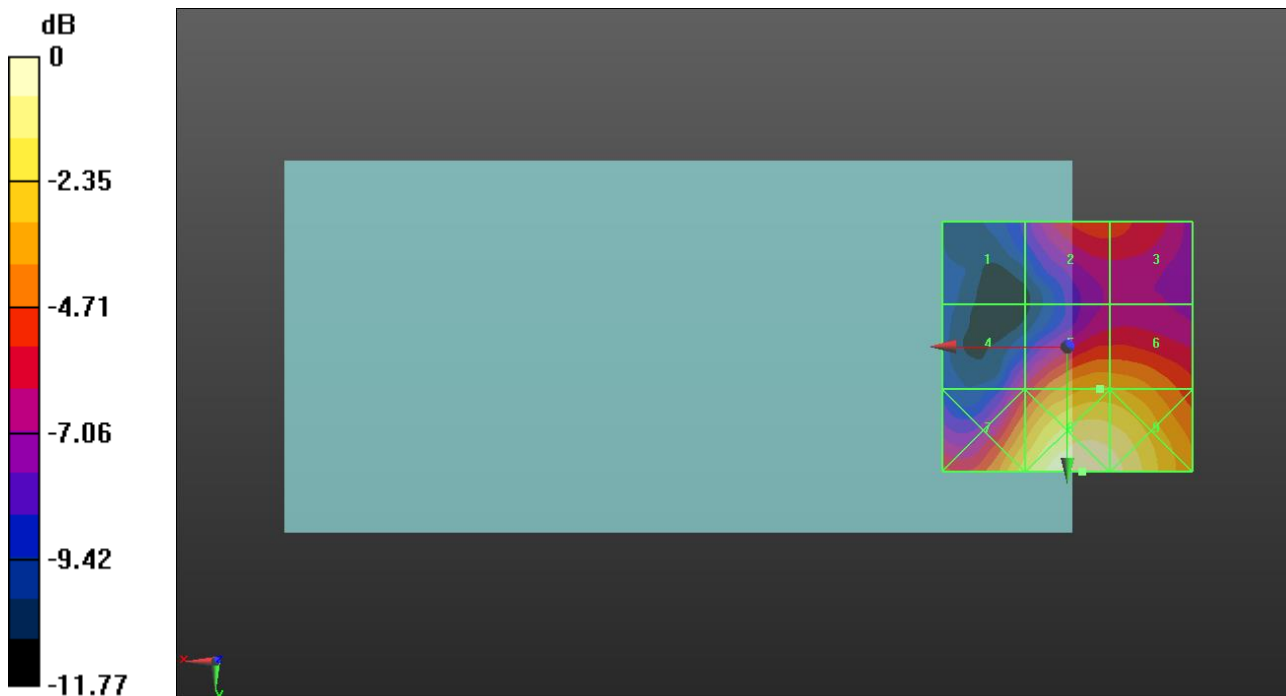
Applied MIF = -1.44 dB

RF audio interference level = 20.76 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 15.45 dBV/m	Grid 2 M4 18.77 dBV/m	Grid 3 M4 18.69 dBV/m
Grid 4 M4 17.63 dBV/m	Grid 5 M4 20.76 dBV/m	Grid 6 M4 20.71 dBV/m
Grid 7 M4 21.89 dBV/m	Grid 8 M4 23.72 dBV/m	Grid 9 M4 23.35 dBV/m



0 dB = 15.34 V/m = 23.72 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 = 11.21 V/m; Power Drift = 0.03 dB

Applied MIF = -1.44 dB

RF audio interference level = 21.41 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 16.39 dBV/m	Grid 2 M4 18.97 dBV/m	Grid 3 M4 18.83 dBV/m
Grid 4 M4 17.85 dBV/m	Grid 5 M4 21.41 dBV/m	Grid 6 M4 21.34 dBV/m
Grid 7 M4 21.65 dBV/m	Grid 8 M4 24.14 dBV/m	Grid 9 M4 23.85 dBV/m

