

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) @ 824.2 MHz; Calibrated: 2020-11-23
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1343; Calibrated: 2020-08-25
- 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_ch128/Hearing Aid Compatibility Test (101x101x1):

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

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 42.45 V/m; Power Drift = 0.00 dB

Applied MIF = 3.63 dB

RF audio interference level = 34.19 dBV/m

Emission category: M4

MIF scaled E-field

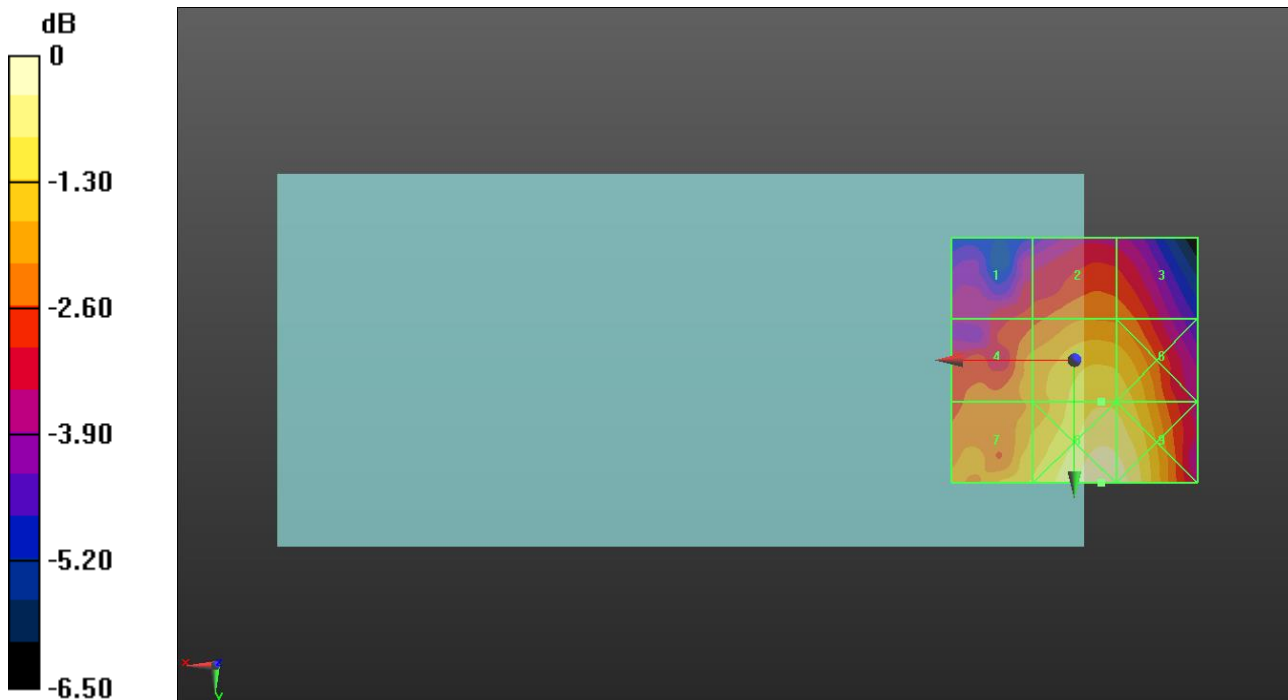
Grid 1 M4 32.36 dBV/m	Grid 2 M4 32.9 dBV/m	Grid 3 M4 32.84 dBV/m
Grid 4 M4 33.2 dBV/m	Grid 5 M4 34.19 dBV/m	Grid 6 M4 34.13 dBV/m
Grid 7 M4 33.89 dBV/m	Grid 8 M4 35.09 dBV/m	Grid 9 M4 34.93 dBV/m

Cursor:

Total = 35.09 dBV/m

E Category: M4

Location: -5.5, 25, 7.7 mm



0 dB = 56.82 V/m = 35.09 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) @ 836.6 MHz; Calibrated: 2020-11-23
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1343; Calibrated: 2020-08-25
- 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_ch190/Hearing Aid Compatibility Test (101x101x1):

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

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 38.14 V/m; Power Drift = 0.17 dB

Applied MIF = 3.63 dB

RF audio interference level = 33.45 dBV/m

Emission category: M4

MIF scaled E-field

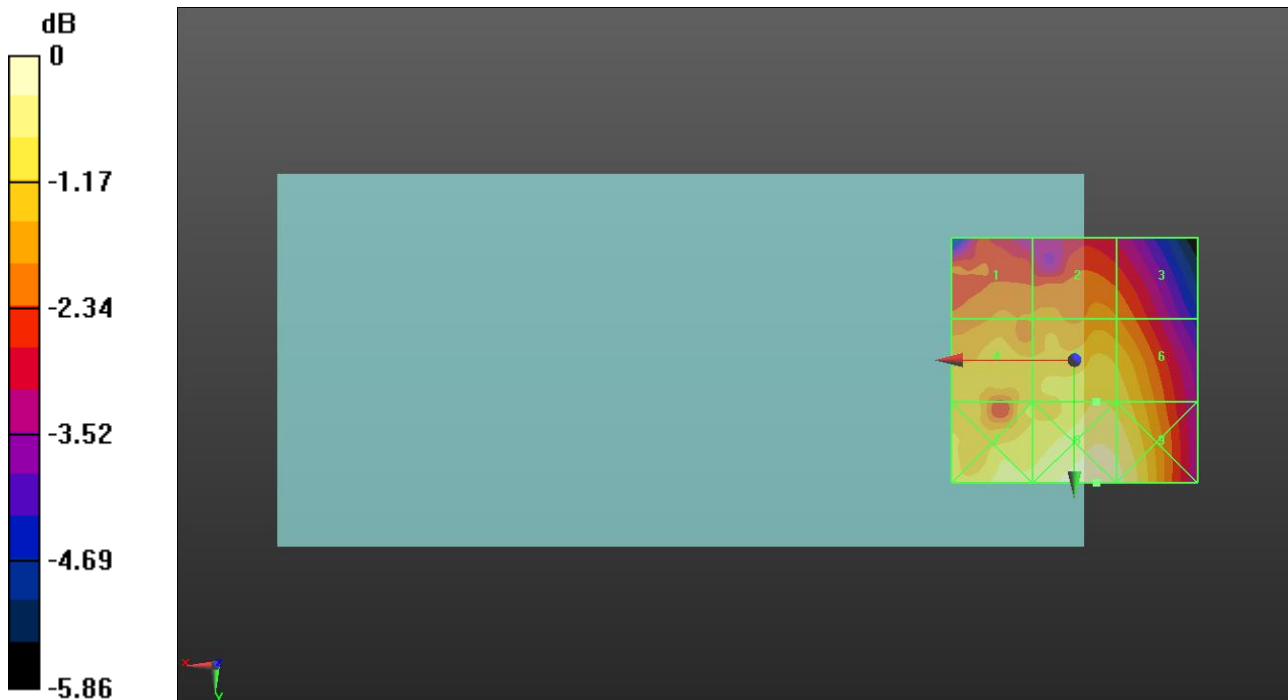
Grid 1 M4 32.34 dBV/m	Grid 2 M4 32.47 dBV/m	Grid 3 M4 32.31 dBV/m
Grid 4 M4 32.99 dBV/m	Grid 5 M4 33.45 dBV/m	Grid 6 M4 33.33 dBV/m
Grid 7 M4 33.65 dBV/m	Grid 8 M4 34.21 dBV/m	Grid 9 M4 34.01 dBV/m

Cursor:

Total = 34.21 dBV/m

E Category: M4

Location: -4.5, 25, 7.7 mm



0 dB = 51.35 V/m = 34.21 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) @ 848.6 MHz; Calibrated: 2020-11-23
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1343; Calibrated: 2020-08-25
- 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_ch251/Hearing Aid Compatibility Test (101x101x1):

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

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 43.08 V/m; Power Drift = 0.05 dB

Applied MIF = 3.63 dB

RF audio interference level = 33.93 dBV/m

Emission category: M4

MIF scaled E-field

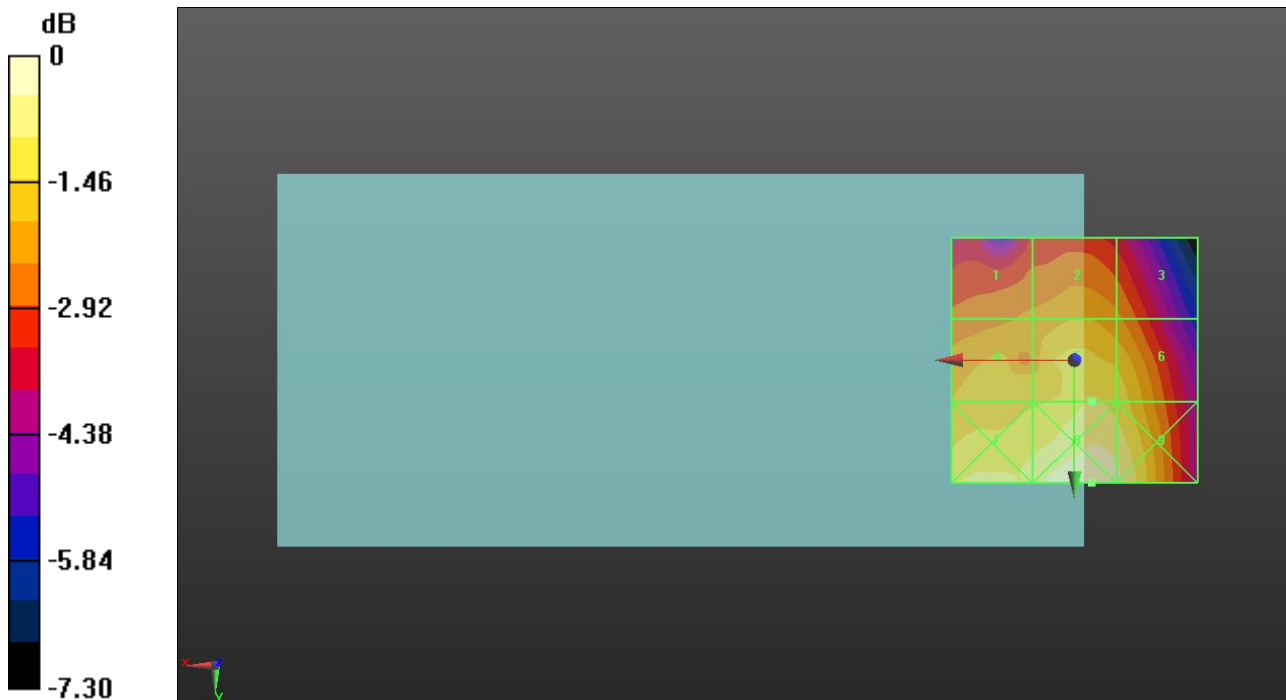
Grid 1 M4 32.58 dBV/m	Grid 2 M4 32.93 dBV/m	Grid 3 M4 32.58 dBV/m
Grid 4 M4 33.38 dBV/m	Grid 5 M4 33.93 dBV/m	Grid 6 M4 33.73 dBV/m
Grid 7 M4 34.03 dBV/m	Grid 8 M4 34.86 dBV/m	Grid 9 M4 34.55 dBV/m

Cursor:

Total = 34.86 dBV/m

E Category: M4

Location: -3.5, 25, 7.7 mm



0 dB = 55.31 V/m = 34.86 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) @ 1850.2 MHz; Calibrated: 2020-11-23
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1343; Calibrated: 2020-08-25
- 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_ch512/Hearing Aid Compatibility Test

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

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 9.086 V/m; Power Drift = 0.13 dB

Applied MIF = 3.63 dB

RF audio interference level = 24.07 dBV/m

Emission category: M4

MIF scaled E-field

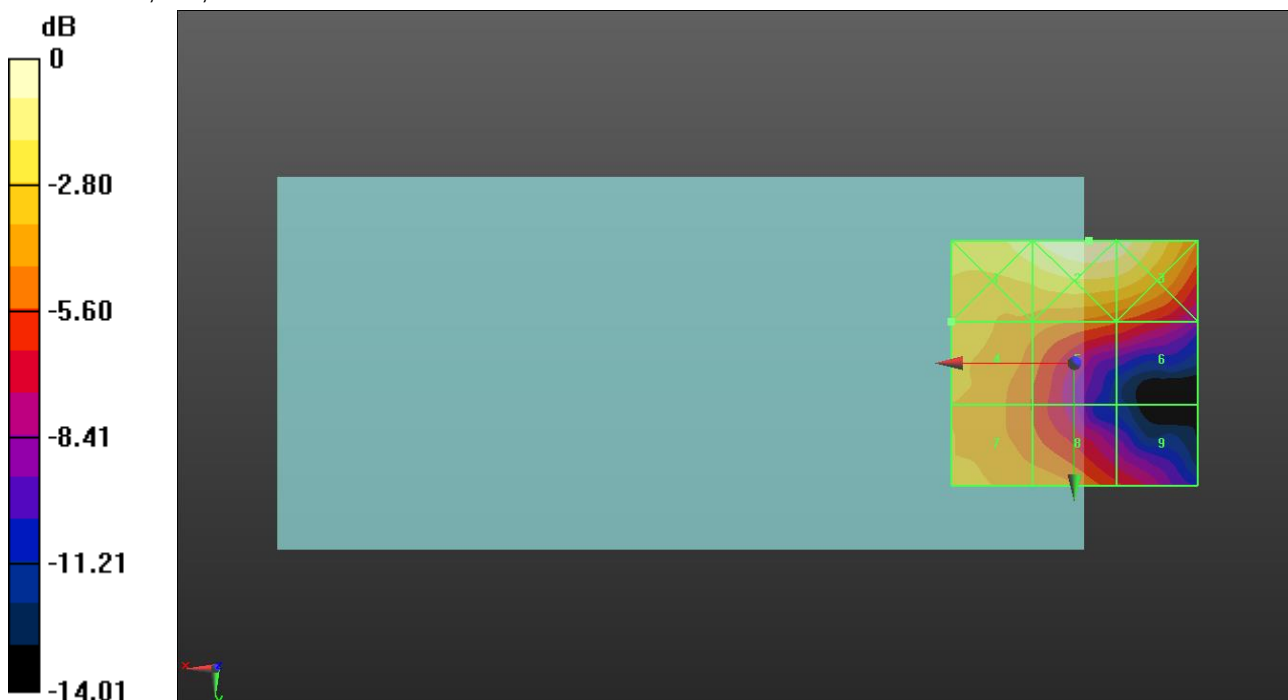
Grid 1 M4 26.07 dBV/m	Grid 2 M4 27.17 dBV/m	Grid 3 M4 26.8 dBV/m
Grid 4 M4 24.07 dBV/m	Grid 5 M4 23.12 dBV/m	Grid 6 M4 21.72 dBV/m
Grid 7 M4 23.63 dBV/m	Grid 8 M4 23.25 dBV/m	Grid 9 M4 20.98 dBV/m

Cursor:

Total = 27.17 dBV/m

E Category: M4

Location: -3, -25, 7.7 mm



0 dB = 22.83 V/m = 27.17 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) @ 1880 MHz; Calibrated: 2020-11-23
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1343; Calibrated: 2020-08-25
- 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_ch661/Hearing Aid Compatibility Test

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

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 12.10 V/m; Power Drift = 0.03 dB

Applied MIF = 3.63 dB

RF audio interference level = 24.63 dBV/m

Emission category: M4

MIF scaled E-field

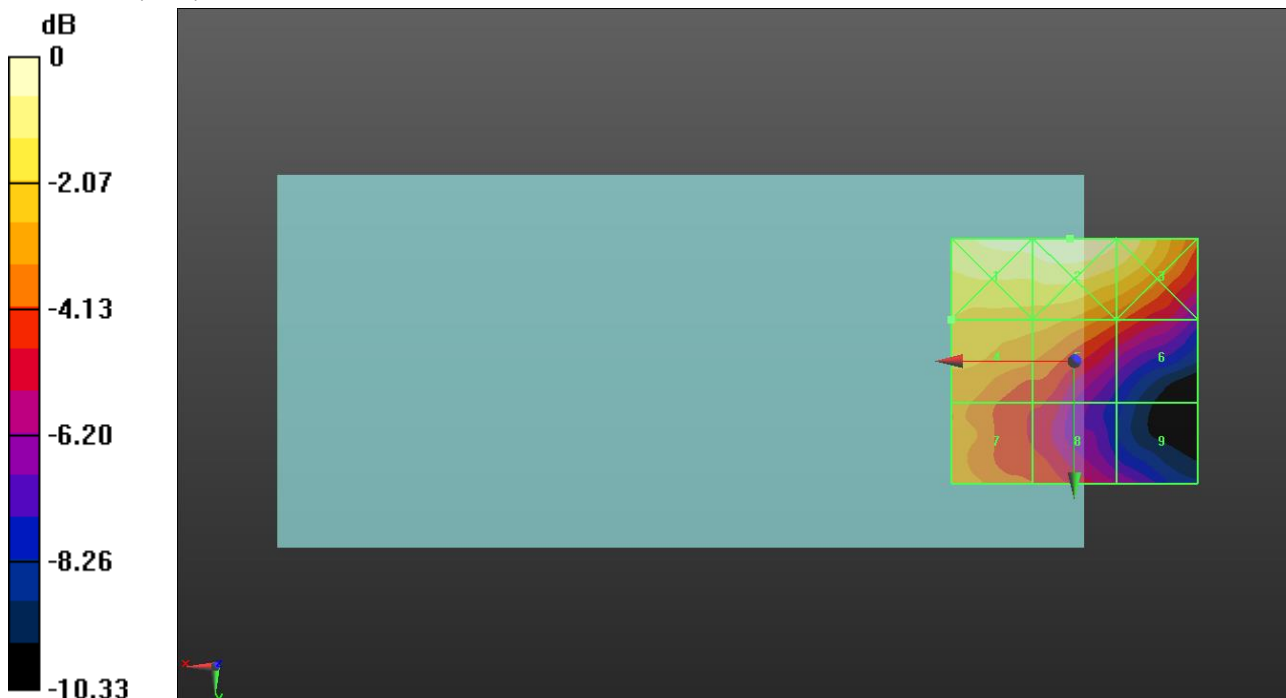
Grid 1 M4 26.34 dBV/m	Grid 2 M4 26.74 dBV/m	Grid 3 M4 26.16 dBV/m
Grid 4 M4 24.63 dBV/m	Grid 5 M4 24.33 dBV/m	Grid 6 M4 22.85 dBV/m
Grid 7 M4 23.49 dBV/m	Grid 8 M4 22.67 dBV/m	Grid 9 M4 20.72 dBV/m

Cursor:

Total = 26.74 dBV/m

E Category: M4

Location: 1, -25, 7.7 mm



0 dB = 21.72 V/m = 26.74 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) @ 1909.8 MHz; Calibrated: 2020-11-23
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1343; Calibrated: 2020-08-25
- 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_ch810/Hearing Aid Compatibility Test

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

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 12.11 V/m; Power Drift = -0.01 dB

Applied MIF = 3.63 dB

RF audio interference level = 24.35 dBV/m

Emission category: M4

MIF scaled E-field

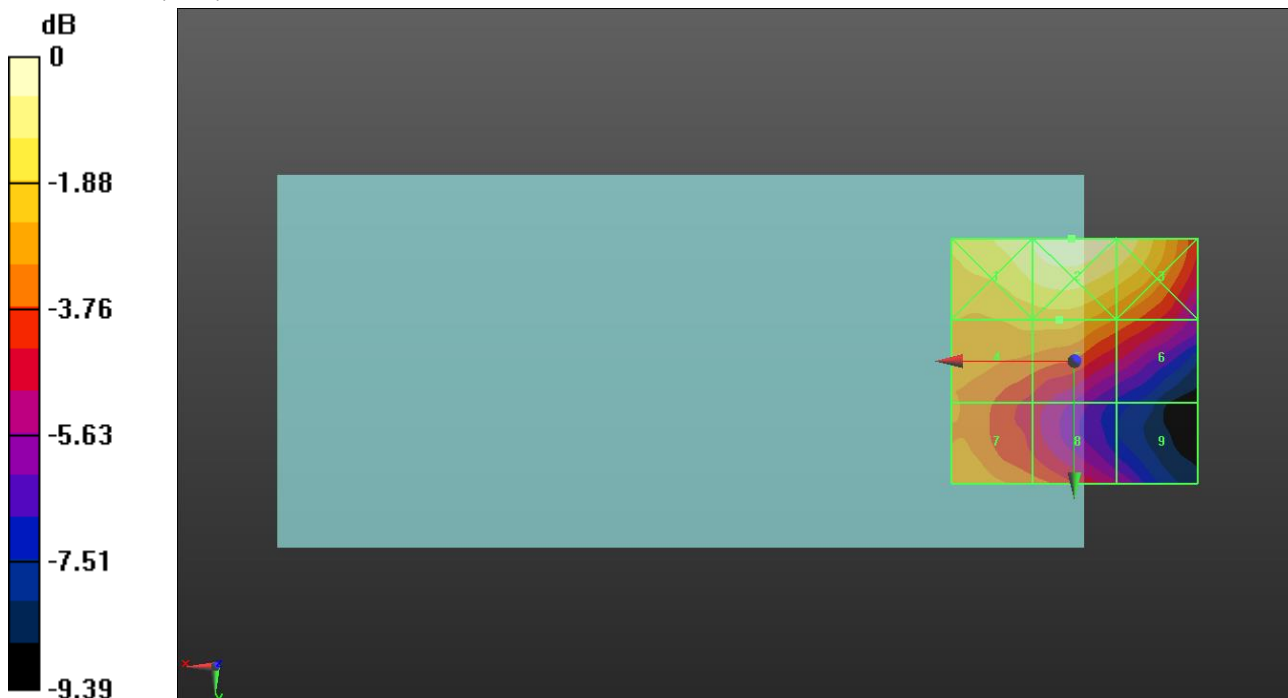
Grid 1 M4 26.07 dBV/m	Grid 2 M4 26.54 dBV/m	Grid 3 M4 25.98 dBV/m
Grid 4 M4 24.27 dBV/m	Grid 5 M4 24.35 dBV/m	Grid 6 M4 23.37 dBV/m
Grid 7 M4 23.94 dBV/m	Grid 8 M4 23.16 dBV/m	Grid 9 M4 21.21 dBV/m

Cursor:

Total = 26.54 dBV/m

E Category: M4

Location: 0.5, -25, 7.7 mm



0 dB = 21.23 V/m = 26.54 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) @ 2506 MHz; Calibrated: 2020-11-23
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1343; Calibrated: 2020-08-25
- 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/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 = 8.999 V/m; Power Drift = 0.07 dB

Applied MIF = -1.44 dB

RF audio interference level = 18.85 dBV/m

Emission category: M4

MIF scaled E-field

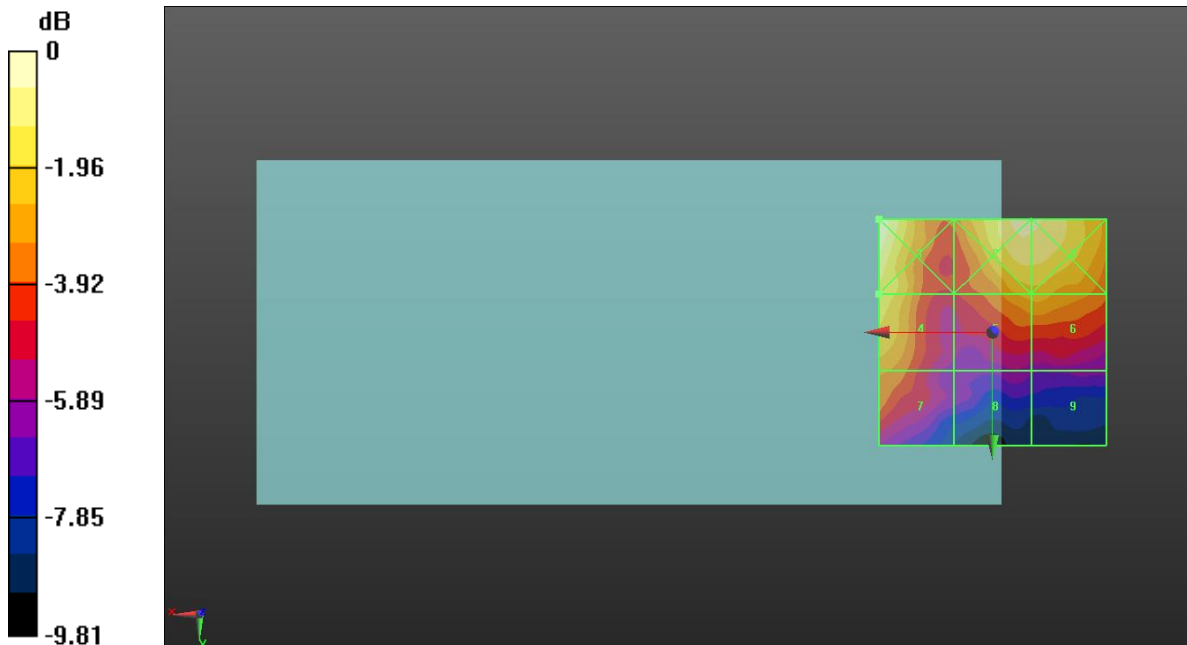
Grid 1 M4 20.39 dBV/m	Grid 2 M4 19.99 dBV/m	Grid 3 M4 19.87 dBV/m
Grid 4 M4 18.85 dBV/m	Grid 5 M4 18.08 dBV/m	Grid 6 M4 18.1 dBV/m
Grid 7 M4 17.28 dBV/m	Grid 8 M4 14.48 dBV/m	Grid 9 M4 14.17 dBV/m

Cursor:

Total = 20.39 dBV/m

E Category: M4

Location: 25, -25, 7.7 mm



0 dB = 10.46 V/m = 20.39 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) @ 2549.5 MHz; Calibrated: 2020-11-23
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1343; Calibrated: 2020-08-25
- 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/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 = 9.056 V/m; Power Drift = 0.01 dB

Applied MIF = -1.44 dB

RF audio interference level = 18.30 dBV/m

Emission category: M4

MIF scaled E-field

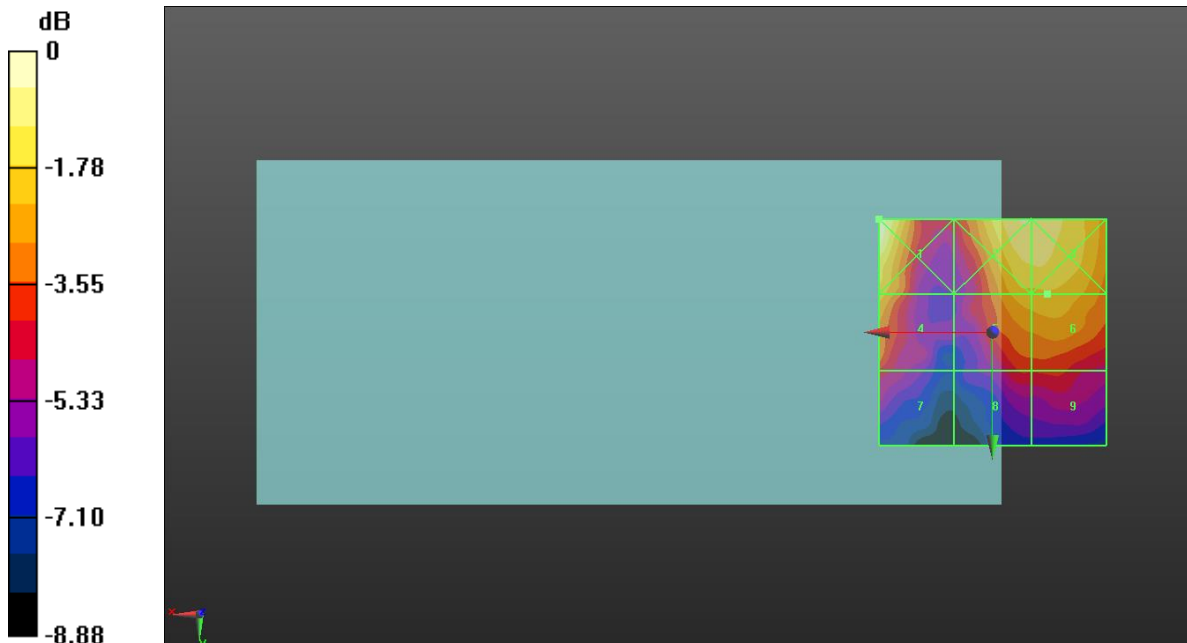
Grid 1 M4 20.13 dBV/m	Grid 2 M4 19.62 dBV/m	Grid 3 M4 19.6 dBV/m
Grid 4 M4 18.14 dBV/m	Grid 5 M4 18.23 dBV/m	Grid 6 M4 18.3 dBV/m
Grid 7 M4 15.92 dBV/m	Grid 8 M4 16.1 dBV/m	Grid 9 M4 16.16 dBV/m

Cursor:

Total = 20.13 dBV/m

E Category: M4

Location: 25, -25, 7.7 mm



0 dB = 10.16 V/m = 20.14 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) @ 2593 MHz; Calibrated: 2020-11-23
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1343; Calibrated: 2020-08-25
- 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/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 = 8.999 V/m; Power Drift = -0.14 dB

Applied MIF = -1.44 dB

RF audio interference level = 18.44 dBV/m

Emission category: M4

MIF scaled E-field

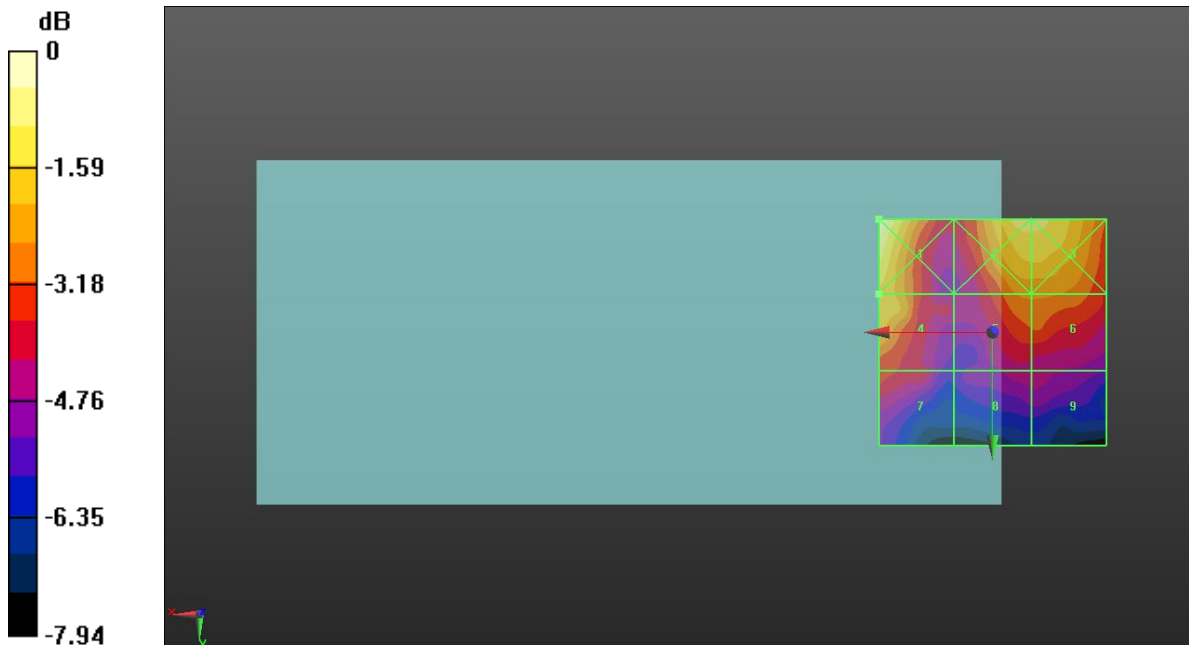
Grid 1 M4 20.14 dBV/m	Grid 2 M4 19.42 dBV/m	Grid 3 M4 19.3 dBV/m
Grid 4 M4 18.44 dBV/m	Grid 5 M4 17.62 dBV/m	Grid 6 M4 17.61 dBV/m
Grid 7 M4 16.84 dBV/m	Grid 8 M4 15.73 dBV/m	Grid 9 M4 15.73 dBV/m

Cursor:

Total = 20.14 dBV/m

E Category: M4

Location: 25, -25, 7.7 mm



0 dB = 10.16 V/m = 20.14 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) @ 2636.5 MHz; Calibrated: 2020-11-23
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1343; Calibrated: 2020-08-25
- 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/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 = 8.209 V/m; Power Drift = 0.06 dB

Applied MIF = -1.44 dB

RF audio interference level = 17.11 dBV/m

Emission category: M4

MIF scaled E-field

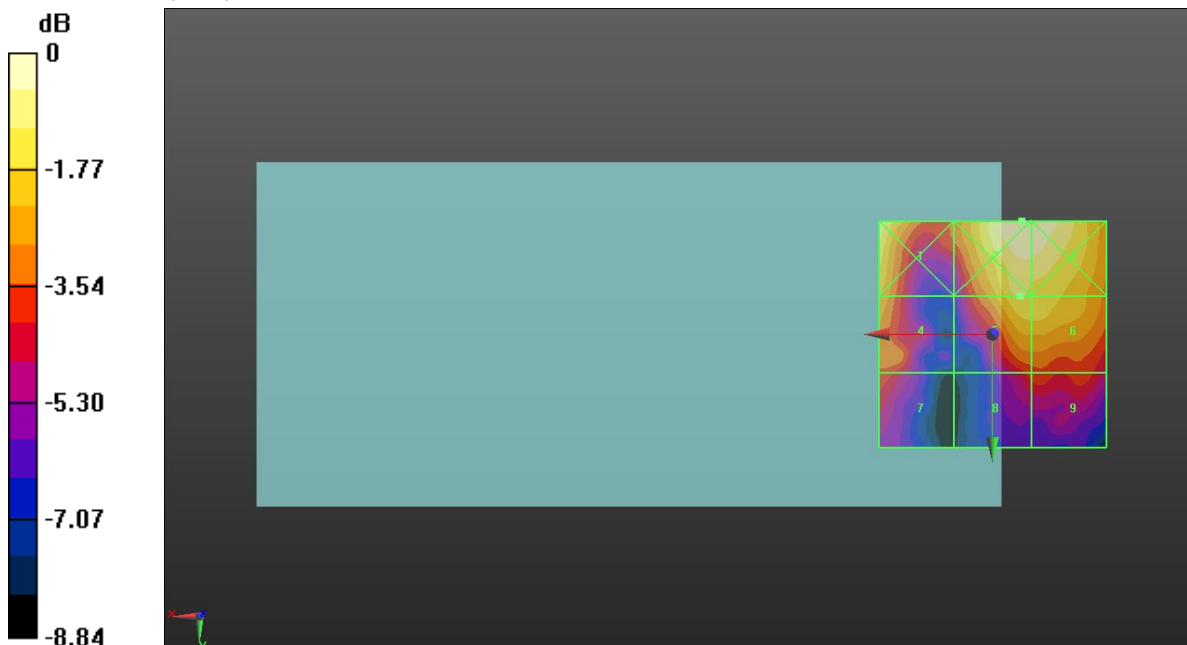
Grid 1 M4 17.74 dBV/m	Grid 2 M4 18.2 dBV/m	Grid 3 M4 18.07 dBV/m
Grid 4 M4 15.95 dBV/m	Grid 5 M4 17.11 dBV/m	Grid 6 M4 16.88 dBV/m
Grid 7 M4 14.53 dBV/m	Grid 8 M4 14.4 dBV/m	Grid 9 M4 14.59 dBV/m

Cursor:

Total = 18.20 dBV/m

E Category: M4

Location: -6.5, -25, 7.7 mm



0 dB = 8.126 V/m = 18.20 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) @ 2680 MHz; Calibrated: 2020-11-23
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1343; Calibrated: 2020-08-25
- 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/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 = 7.406 V/m; Power Drift = -0.01 dB

Applied MIF = -1.44 dB

RF audio interference level = 16.61 dBV/m

Emission category: M4

MIF scaled E-field

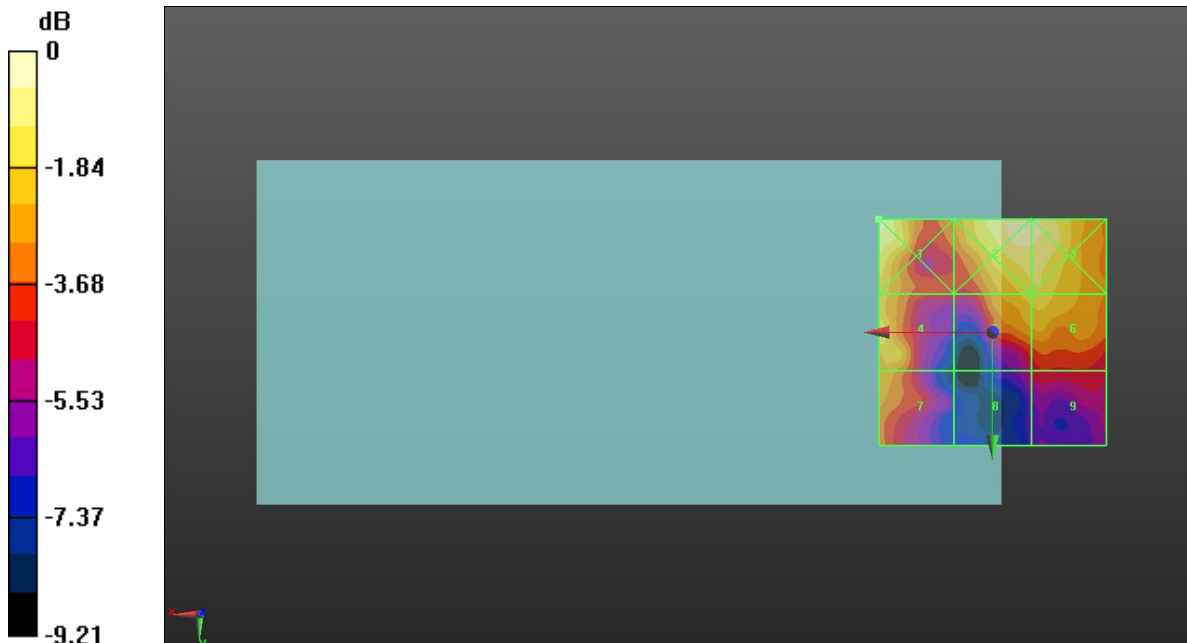
Grid 1 M4 17.63 dBV/m	Grid 2 M4 17.28 dBV/m	Grid 3 M4 17.21 dBV/m
Grid 4 M4 16.61 dBV/m	Grid 5 M4 16.12 dBV/m	Grid 6 M4 16.2 dBV/m
Grid 7 M4 14.99 dBV/m	Grid 8 M4 12.79 dBV/m	Grid 9 M4 13.37 dBV/m

Cursor:

Total = 17.63 dBV/m

E Category: M4

Location: 25, -25, 7.7 mm



0 dB = 7.612 V/m = 17.63 dBV/m