

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: 2019-11-21
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1447; Calibrated: 2020-03-20
- 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 = 27.61 V/m; Power Drift = 0.01 dB

Applied MIF = 3.63 dB

RF audio interference level = 30.45 dBV/m

Emission category: **M4**

MIF scaled E-field

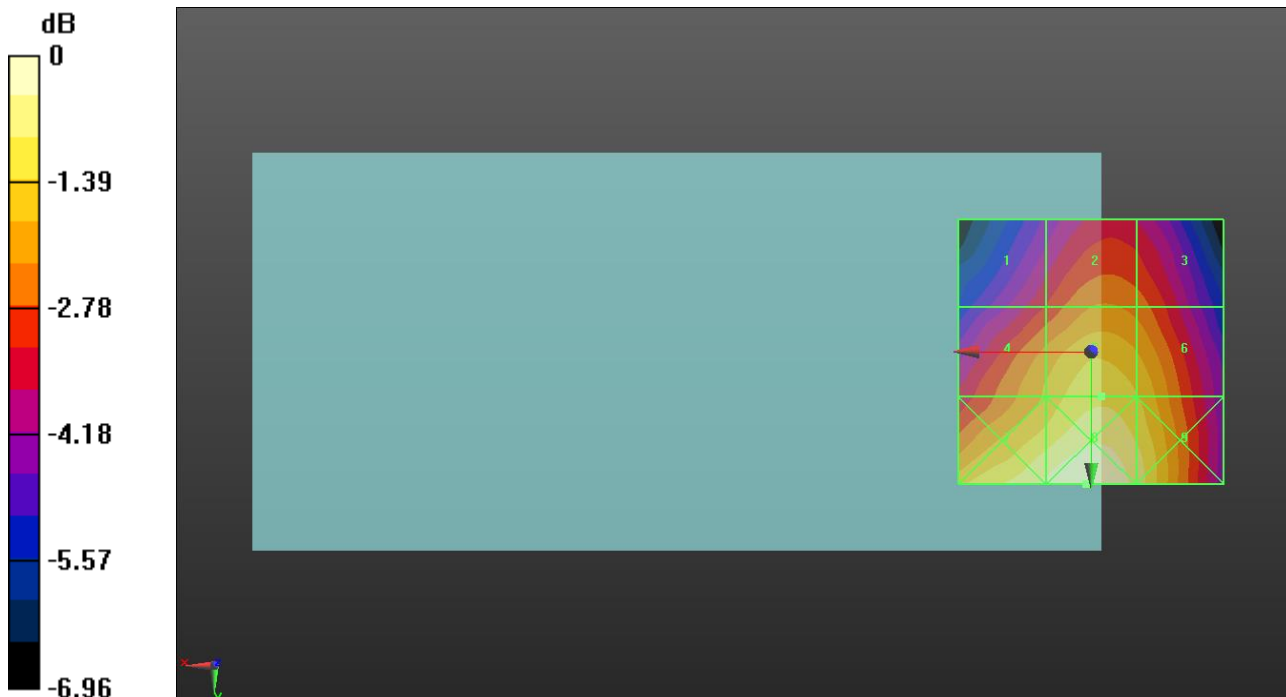
Grid 1 M4 28.28 dBV/m	Grid 2 M4 29.22 dBV/m	Grid 3 M4 28.99 dBV/m
Grid 4 M4 29.73 dBV/m	Grid 5 M4 30.45 dBV/m	Grid 6 M4 30.13 dBV/m
Grid 7 M4 31.12 dBV/m	Grid 8 M4 31.48 dBV/m	Grid 9 M4 30.85 dBV/m

Cursor:

Total = 31.48 dBV/m

E Category: M4

Location: 1, 25, 7.7 mm



0 dB = 37.48 V/m = 31.48 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: 2019-11-21
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1447; Calibrated: 2020-03-20
- 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 = 33.51 V/m; Power Drift = 0.13 dB

Applied MIF = 3.63 dB

RF audio interference level = 32.22 dBV/m

Emission category: M4

MIF scaled E-field

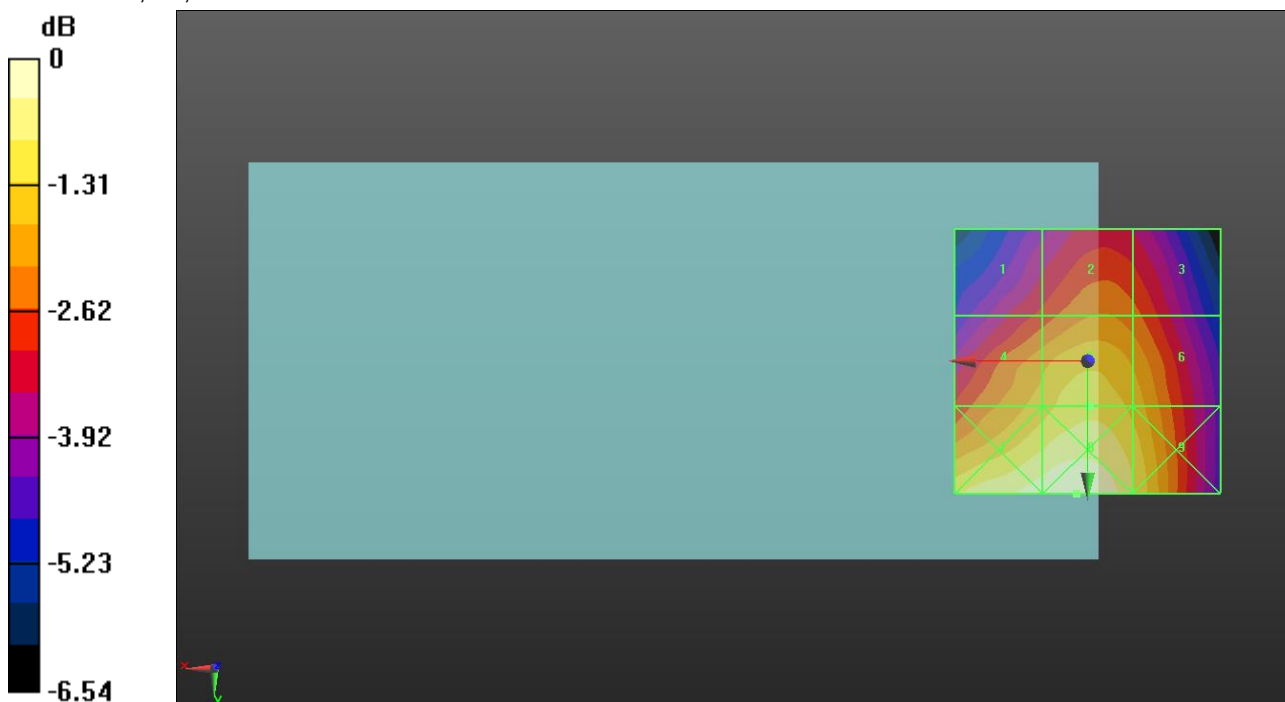
Grid 1 M4 30.37 dBV/m	Grid 2 M4 31.09 dBV/m	Grid 3 M4 30.81 dBV/m
Grid 4 M4 31.74 dBV/m	Grid 5 M4 32.22 dBV/m	Grid 6 M4 31.79 dBV/m
Grid 7 M4 33.07 dBV/m	Grid 8 M4 33.22 dBV/m	Grid 9 M4 32.43 dBV/m

Cursor:

Total = 33.22 dBV/m

E Category: M4

Location: 2, 25, 7.7 mm



0 dB = 45.84 V/m = 33.22 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: 2019-11-21
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1447; Calibrated: 2020-03-20
- 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 = 33.25 V/m; Power Drift = -0.11 dB

Applied MIF = 3.63 dB

RF audio interference level = 31.65 dBV/m

Emission category: M4

MIF scaled E-field

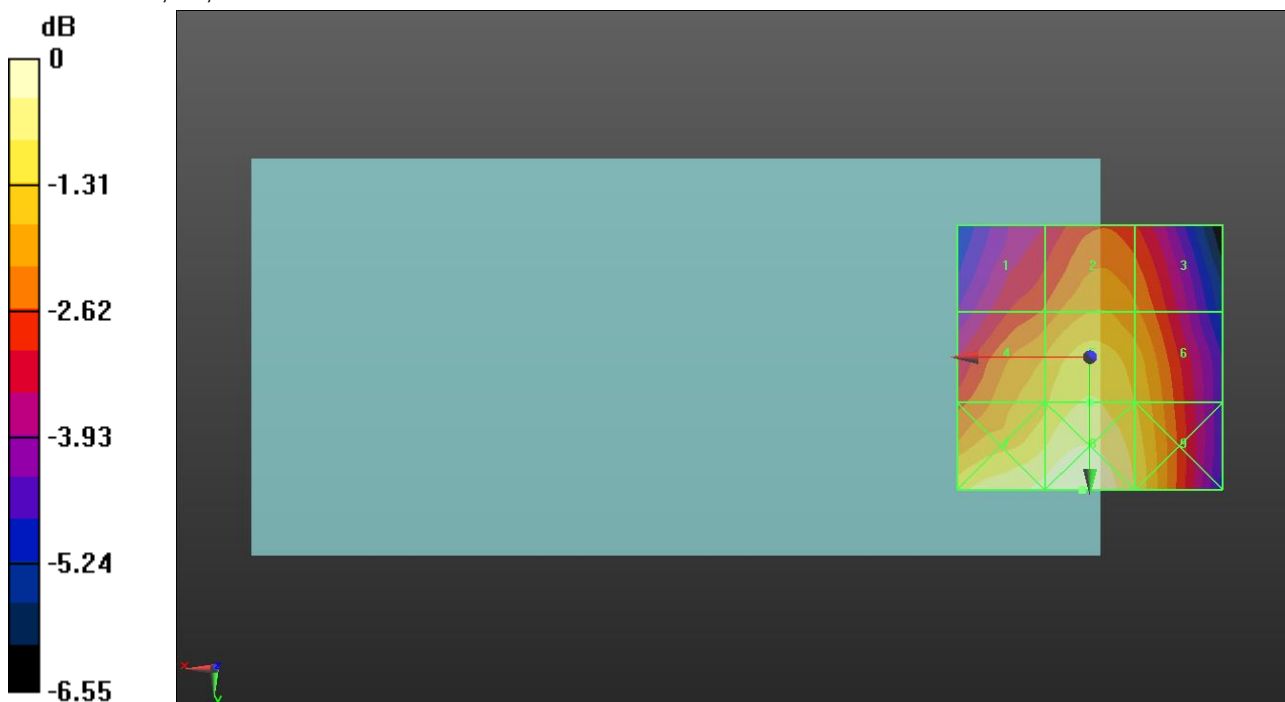
Grid 1 M4 29.99 dBV/m	Grid 2 M4 30.78 dBV/m	Grid 3 M4 30.43 dBV/m
Grid 4 M4 31.1 dBV/m	Grid 5 M4 31.65 dBV/m	Grid 6 M4 31.19 dBV/m
Grid 7 M4 32.23 dBV/m	Grid 8 M4 32.49 dBV/m	Grid 9 M4 31.6 dBV/m

Cursor:

Total = 32.49 dBV/m

E Category: M4

Location: 1.5, 25, 7.7 mm



0 dB = 42.11 V/m = 32.49 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: 2019-11-21
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1447; Calibrated: 2020-03-20
- 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 = 11.51 V/m; Power Drift = -0.15 dB

Applied MIF = 3.63 dB

RF audio interference level = 22.83 dBV/m

Emission category: M4

MIF scaled E-field

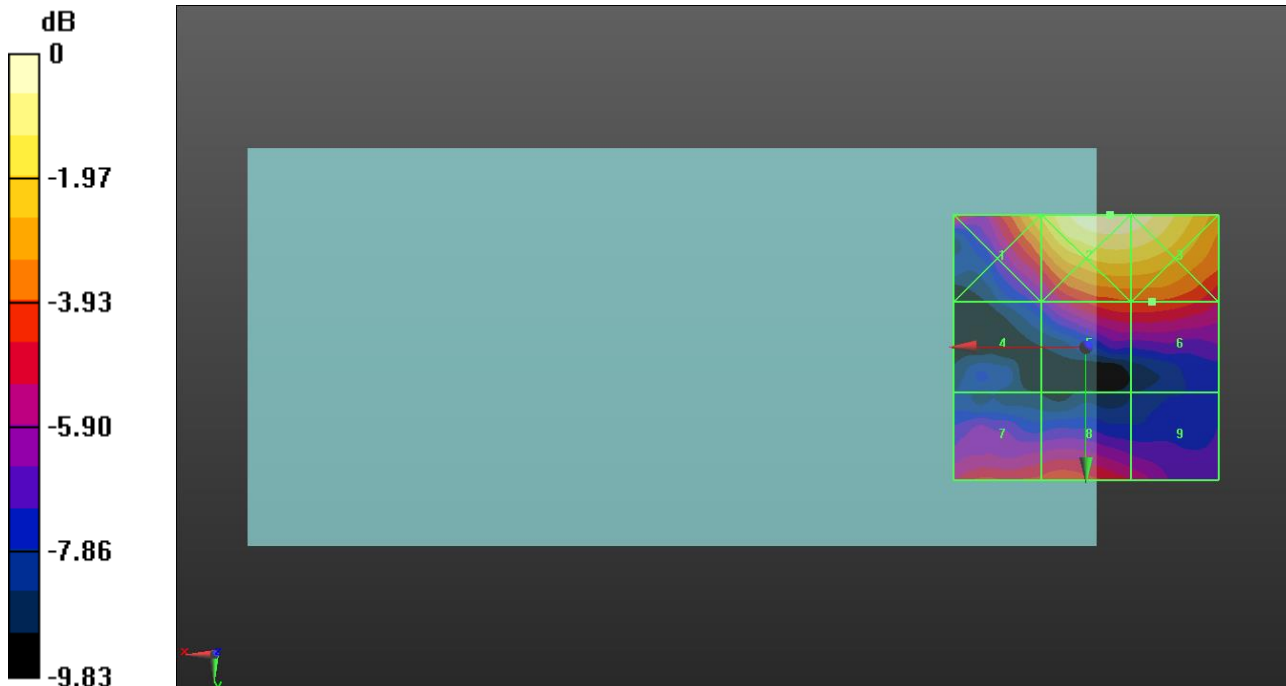
Grid 1 M4 25.03 dBV/m	Grid 2 M4 26.84 dBV/m	Grid 3 M4 26.68 dBV/m
Grid 4 M4 20.12 dBV/m	Grid 5 M4 22.83 dBV/m	Grid 6 M4 22.83 dBV/m
Grid 7 M4 22.51 dBV/m	Grid 8 M4 22.83 dBV/m	Grid 9 M4 21.6 dBV/m

Cursor:

Total = 26.84 dBV/m

E Category: M4

Location: -4.5, -25, 7.7 mm



0 dB = 21.99 V/m = 26.84 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: 2019-11-21
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1447; Calibrated: 2020-03-20
- 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 = 7.278 V/m; Power Drift = -0.15 dB

Applied MIF = 3.63 dB

RF audio interference level = 22.33 dBV/m

Emission category: M4

MIF scaled E-field

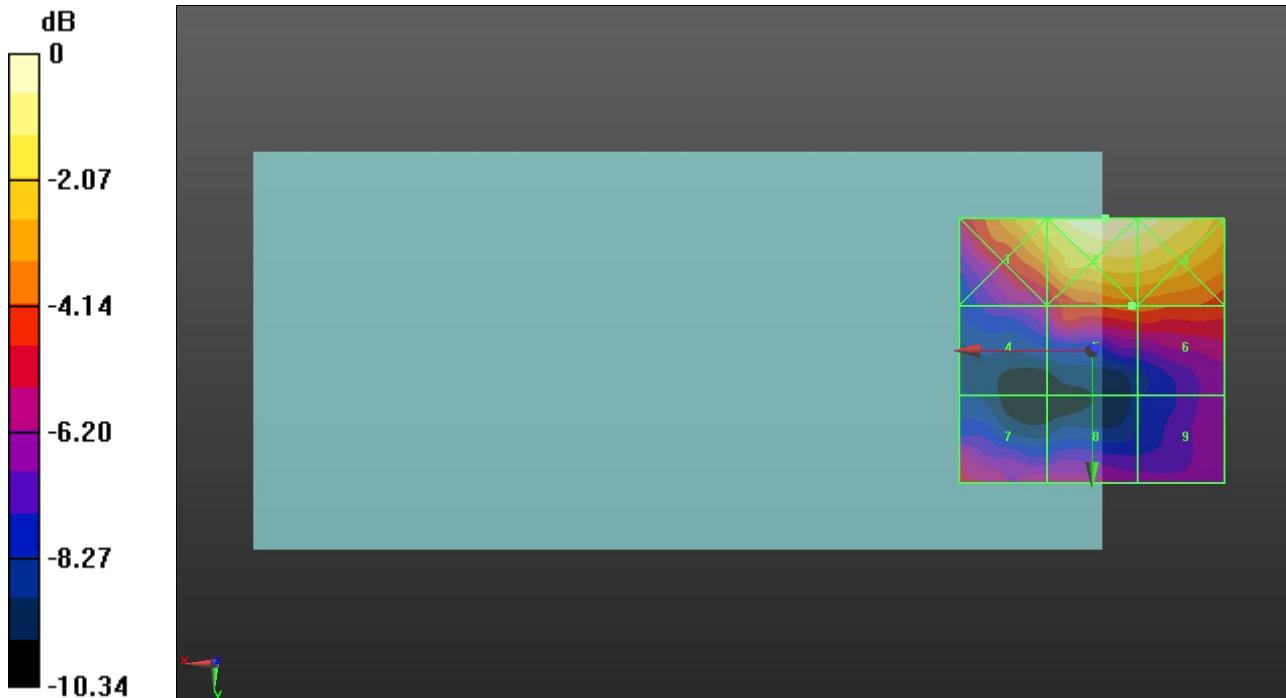
Grid 1 M4 24.63 dBV/m	Grid 2 M4 26.13 dBV/m	Grid 3 M4 25.87 dBV/m
Grid 4 M4 20.5 dBV/m	Grid 5 M4 22.33 dBV/m	Grid 6 M4 22.31 dBV/m
Grid 7 M4 20.74 dBV/m	Grid 8 M4 20.58 dBV/m	Grid 9 M4 19.86 dBV/m

Cursor:

Total = 26.13 dBV/m

E Category: M4

Location: -2.5, -25, 7.7 mm



0 dB = 20.26 V/m = 26.13 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: 2019-11-21
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1447; Calibrated: 2020-03-20
- 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 = 11.57 V/m; Power Drift = -0.03 dB

Applied MIF = 3.63 dB

RF audio interference level = 21.51 dBV/m

Emission category: M4

MIF scaled E-field

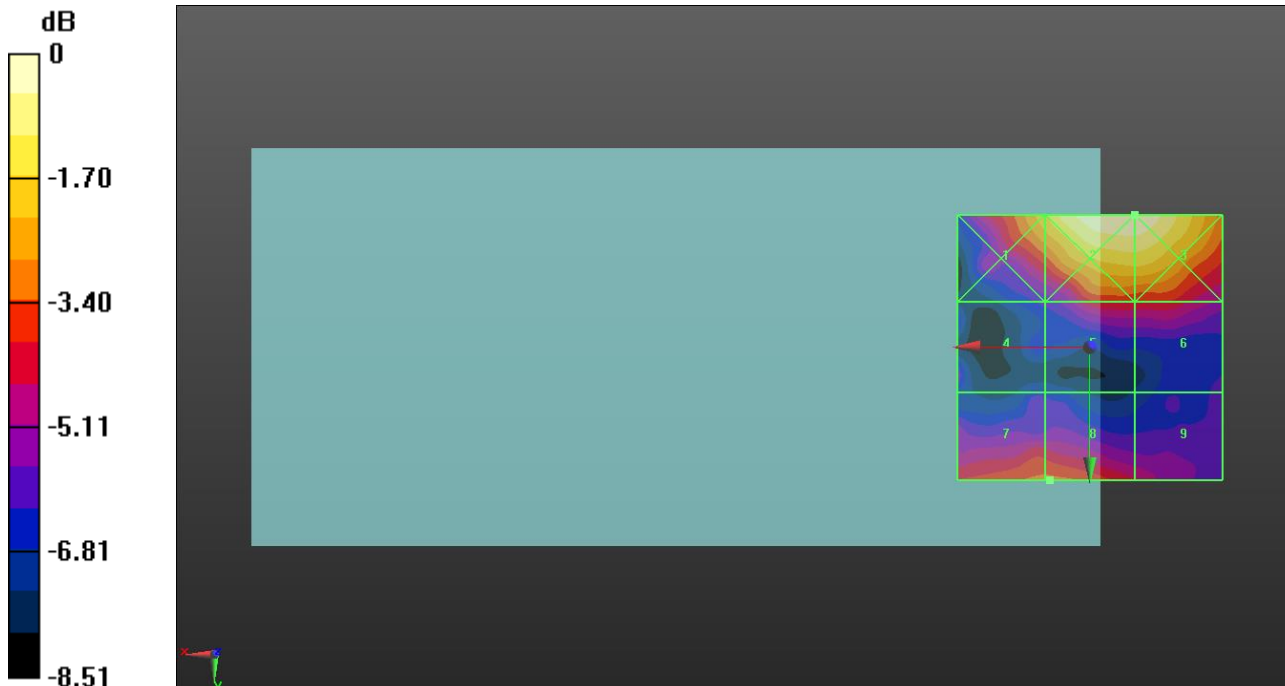
Grid 1 M4 22.96 dBV/m	Grid 2 M4 24.75 dBV/m	Grid 3 M4 24.75 dBV/m
Grid 4 M4 19.05 dBV/m	Grid 5 M4 20.88 dBV/m	Grid 6 M4 20.78 dBV/m
Grid 7 M4 21.49 dBV/m	Grid 8 M4 21.51 dBV/m	Grid 9 M4 20.33 dBV/m

Cursor:

Total = 24.75 dBV/m

E Category: M4

Location: -8.5, -25, 7.7 mm



0 dB = 17.28 V/m = 24.75 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: 2019-11-21
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1447; Calibrated: 2020-03-20
- 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 16QAM 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 = 6.256 V/m; Power Drift = -0.04 dB

Applied MIF = -1.44 dB

RF audio interference level = 15.82 dBV/m

Emission category: M4

MIF scaled E-field

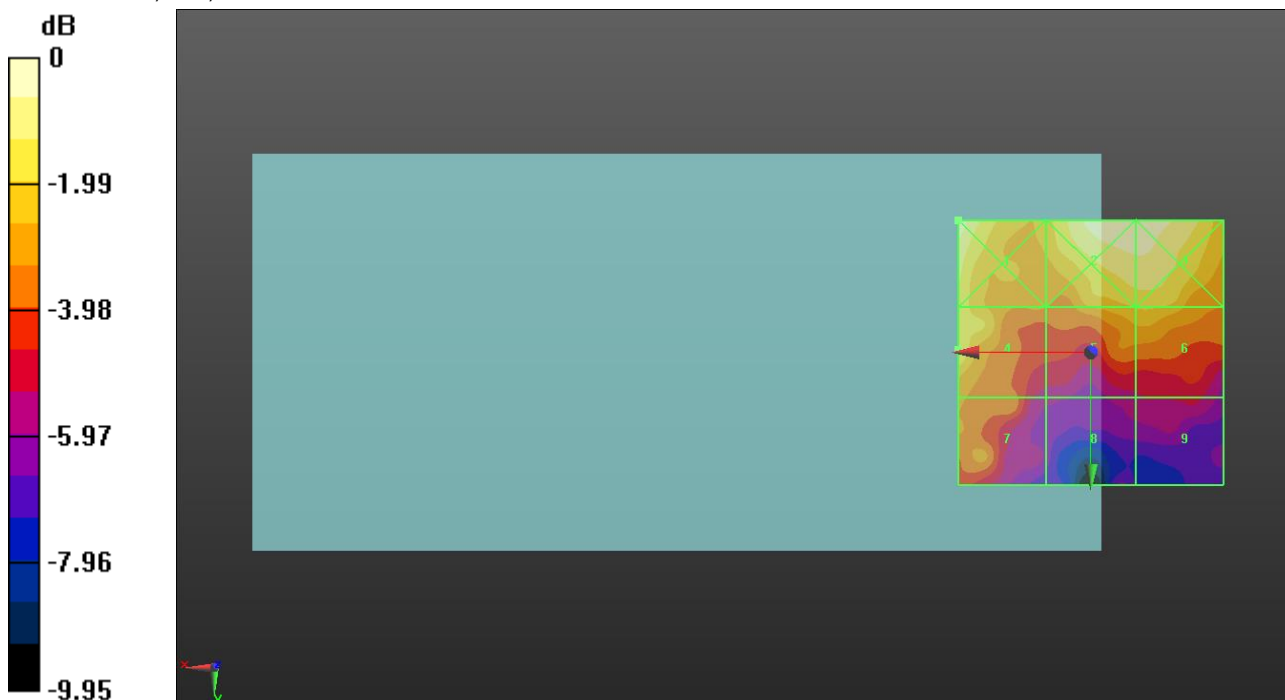
Grid 1 M4 16.98 dBV/m	Grid 2 M4 16.94 dBV/m	Grid 3 M4 16.84 dBV/m
Grid 4 M4 15.82 dBV/m	Grid 5 M4 15.03 dBV/m	Grid 6 M4 15.08 dBV/m
Grid 7 M4 13.9 dBV/m	Grid 8 M4 11.6 dBV/m	Grid 9 M4 11.92 dBV/m

Cursor:

Total = 16.98 dBV/m

E Category: M4

Location: 25, -25, 7.7 mm



0 dB = 7.064 V/m = 16.98 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: 2019-11-21
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1447; Calibrated: 2020-03-20
- 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 16QAM 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 = 6.877 V/m; Power Drift = -0.16 dB

Applied MIF = -1.44 dB

RF audio interference level = 15.26 dBV/m

Emission category: M4

MIF scaled E-field

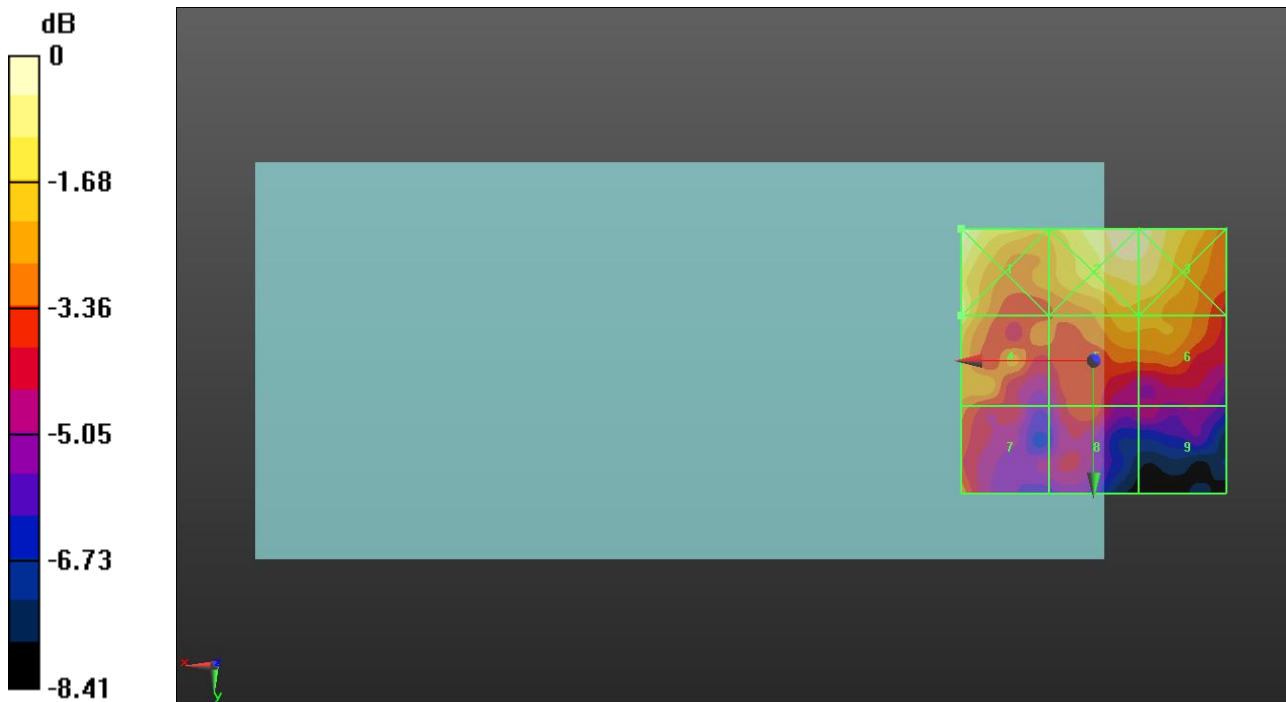
Grid 1 M4 16.25 dBV/m	Grid 2 M4 15.97 dBV/m	Grid 3 M4 15.95 dBV/m
Grid 4 M4 15.26 dBV/m	Grid 5 M4 14.36 dBV/m	Grid 6 M4 14.27 dBV/m
Grid 7 M4 13.55 dBV/m	Grid 8 M4 12.79 dBV/m	Grid 9 M4 11.64 dBV/m

Cursor:

Total = 16.25 dBV/m

E Category: M4

Location: 25, -25, 7.7 mm



0 dB = 6.494 V/m = 16.25 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: 2019-11-21
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1447; Calibrated: 2020-03-20
- 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 16QAM 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 = 8.350 V/m; Power Drift = 0.14 dB

Applied MIF = -1.44 dB

RF audio interference level = 16.46 dBV/m

Emission category: M4

MIF scaled E-field

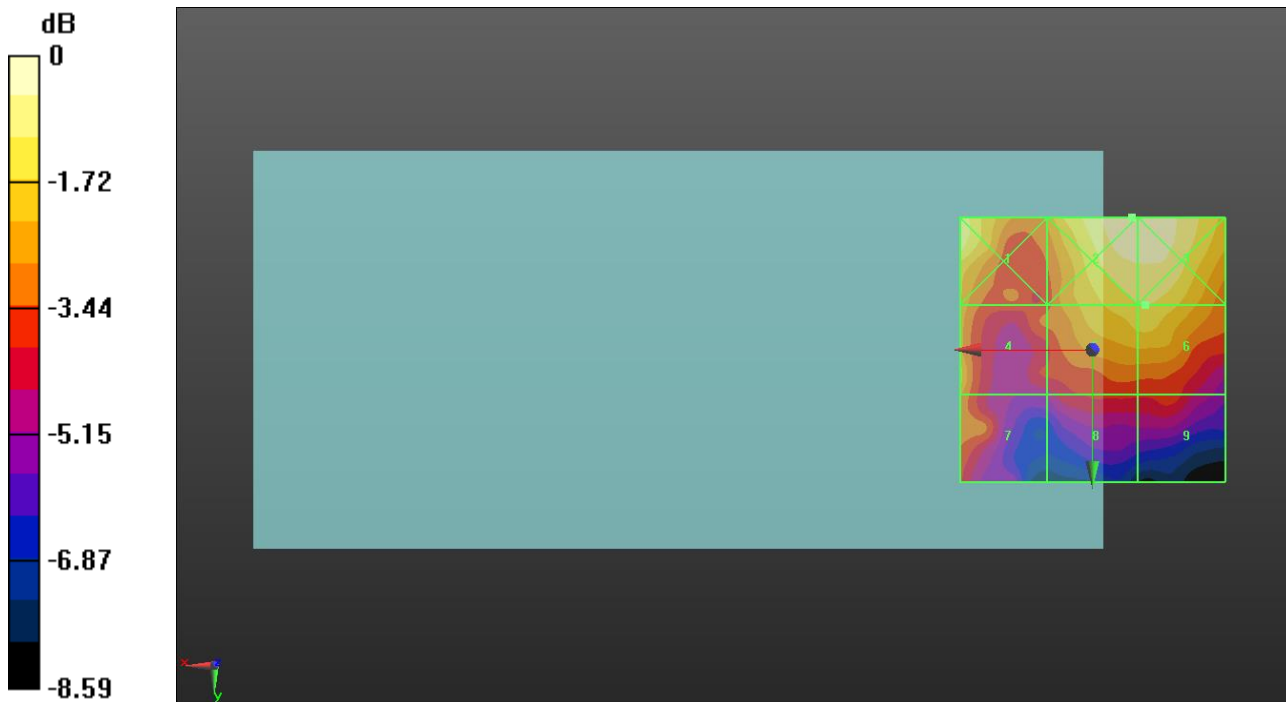
Grid 1 M4 16.94 dBV/m	Grid 2 M4 17.59 dBV/m	Grid 3 M4 17.59 dBV/m
Grid 4 M4 15.68 dBV/m	Grid 5 M4 16.43 dBV/m	Grid 6 M4 16.46 dBV/m
Grid 7 M4 14.86 dBV/m	Grid 8 M4 13.74 dBV/m	Grid 9 M4 13.94 dBV/m

Cursor:

Total = 17.59 dBV/m

E Category: M4

Location: -7.5, -25, 7.7 mm



0 dB = 7.580 V/m = 17.59 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: 2019-11-21
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1447; Calibrated: 2020-03-20
- 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 16QAM 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 = 9.934 V/m; Power Drift = 0.02 dB

Applied MIF = -1.44 dB

RF audio interference level = 17.27 dBV/m

Emission category: M4

MIF scaled E-field

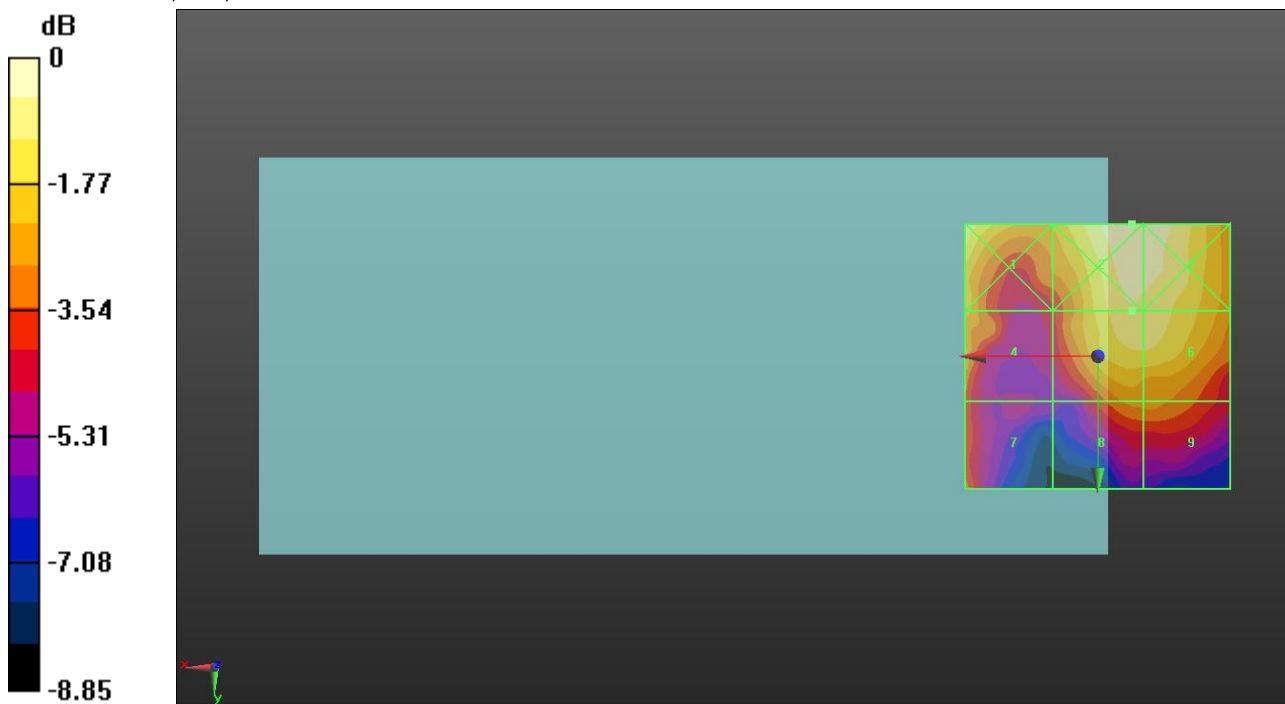
Grid 1 M4 17.35 dBV/m	Grid 2 M4 17.93 dBV/m	Grid 3 M4 17.83 dBV/m
Grid 4 M4 15.98 dBV/m	Grid 5 M4 17.27 dBV/m	Grid 6 M4 17.19 dBV/m
Grid 7 M4 14.83 dBV/m	Grid 8 M4 15.21 dBV/m	Grid 9 M4 15.23 dBV/m

Cursor:

Total = 17.93 dBV/m

E Category: M4

Location: -6.5, -25, 7.7 mm



0 dB = 7.884 V/m = 17.93 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: 2019-11-21
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1447; Calibrated: 2020-03-20
- 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 16QAM 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 = 8.582 V/m; Power Drift = 0.08 dB

Applied MIF = -1.44 dB

RF audio interference level = 16.91 dBV/m

Emission category: M4

MIF scaled E-field

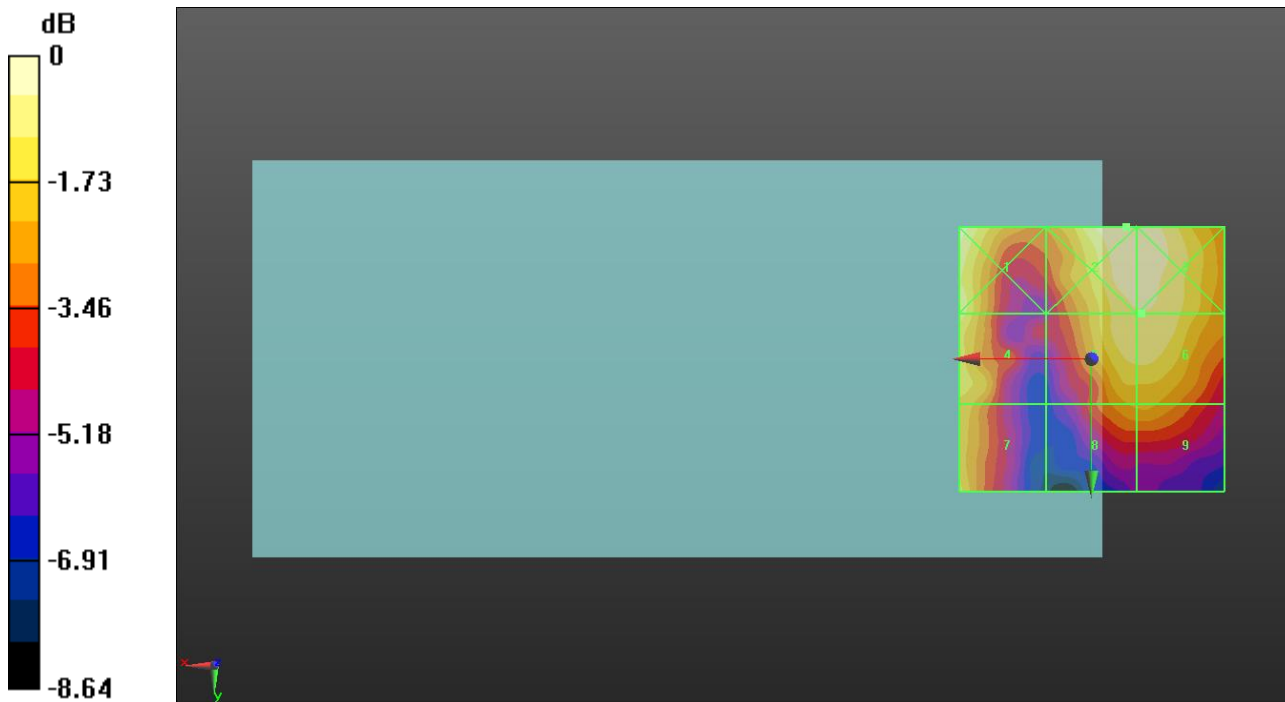
Grid 1 M4 17.44 dBV/m	Grid 2 M4 17.5 dBV/m	Grid 3 M4 17.44 dBV/m
Grid 4 M4 16.82 dBV/m	Grid 5 M4 16.9 dBV/m	Grid 6 M4 16.91 dBV/m
Grid 7 M4 16.1 dBV/m	Grid 8 M4 15.35 dBV/m	Grid 9 M4 15.39 dBV/m

Cursor:

Total = 17.50 dBV/m

E Category: M4

Location: -6.5, -25, 7.7 mm



0 dB = 7.501 V/m = 17.50 dBV/m