

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 - SN4066; ConvF(1, 1, 1) @ 824.2 MHz; Calibrated: 2020-07-24
- 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 = 53.84 V/m; Power Drift = 0.04 dB

Applied MIF = 3.63 dB

RF audio interference level = 35.75 dBV/m

Emission category: **M4**

MIF scaled E-field

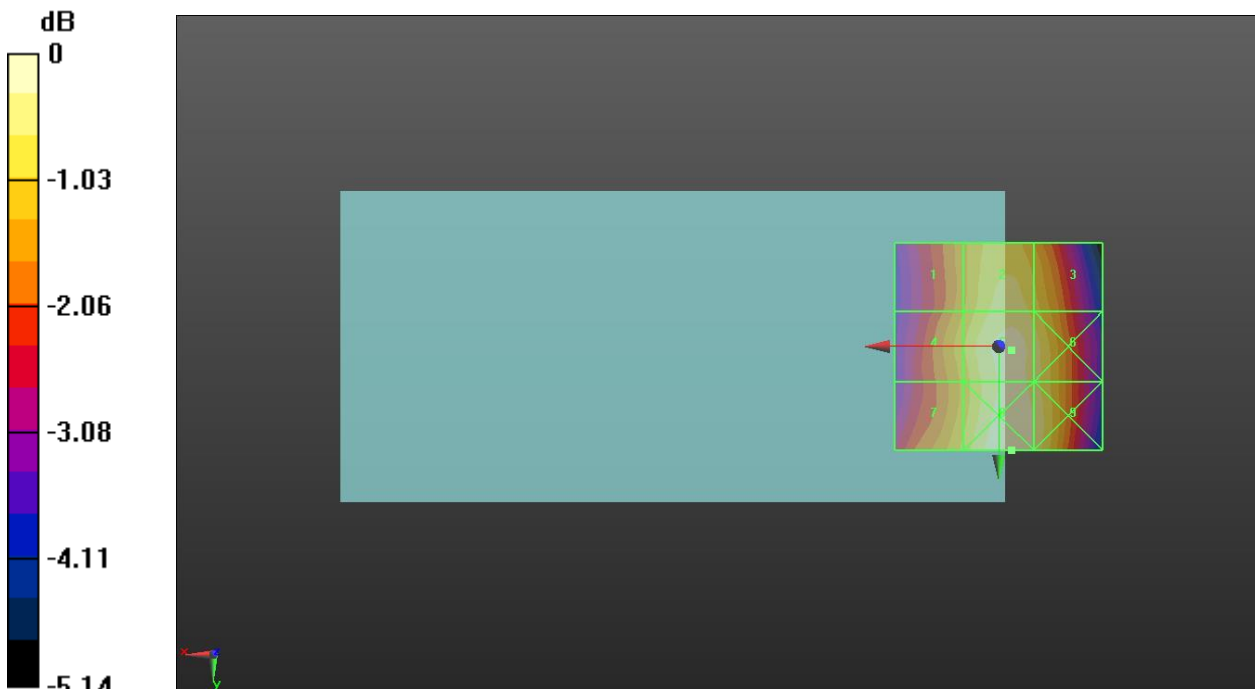
Grid 1 M4 34.55 dBV/m	Grid 2 M4 35.46 dBV/m	Grid 3 M4 35.11 dBV/m
Grid 4 M4 34.87 dBV/m	Grid 5 M4 35.75 dBV/m	Grid 6 M4 35.45 dBV/m
Grid 7 M4 35.02 dBV/m	Grid 8 M4 35.93 dBV/m	Grid 9 M4 35.59 dBV/m

Cursor:

Total = 35.93 dBV/m

E Category: M4

Location: -3, 25, 7.7 mm



0 dB = 62.60 V/m = 35.93 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 - SN4066; ConvF(1, 1, 1) @ 836.6 MHz; Calibrated: 2020-07-24
- 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 = 51.53 V/m; Power Drift = -0.01 dB

Applied MIF = 3.63 dB

RF audio interference level = 35.28 dBV/m

Emission category: **M4**

MIF scaled E-field

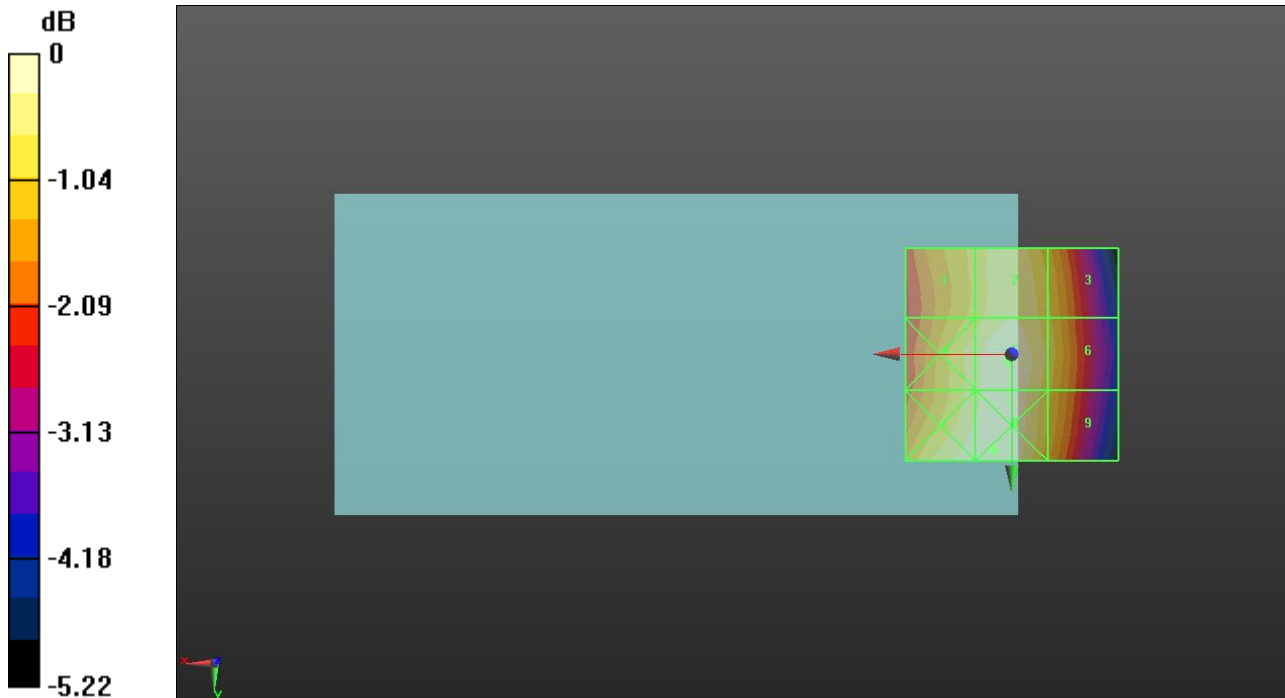
Grid 1 M4 34.47 dBV/m	Grid 2 M4 34.95 dBV/m	Grid 3 M4 34.39 dBV/m
Grid 4 M4 34.86 dBV/m	Grid 5 M4 35.28 dBV/m	Grid 6 M4 34.55 dBV/m
Grid 7 M4 35.21 dBV/m	Grid 8 M4 35.31 dBV/m	Grid 9 M4 34.37 dBV/m

Cursor:

Total = 35.31 dBV/m

E Category: M4

Location: 4, 22.5, 7.7 mm



0 dB = 58.29 V/m = 35.31 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 - SN4066; ConvF(1, 1, 1) @ 848.6 MHz; Calibrated: 2020-07-24
- 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 = 60.34 V/m; Power Drift = 0.04 dB

Applied MIF = 3.63 dB

RF audio interference level = 36.79 dBV/m

Emission category: **M4**

MIF scaled E-field

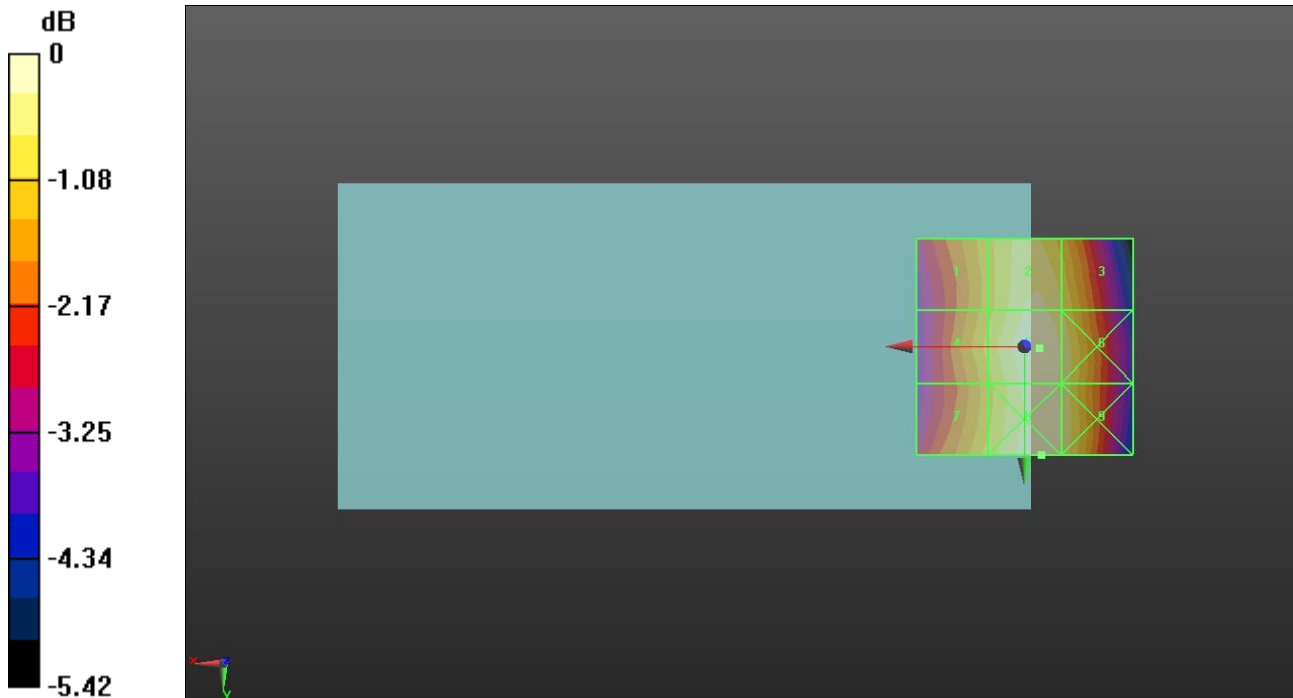
Grid 1 M4 35.63 dBV/m	Grid 2 M4 36.54 dBV/m	Grid 3 M4 36.17 dBV/m
Grid 4 M4 35.85 dBV/m	Grid 5 M4 36.79 dBV/m	Grid 6 M4 36.44 dBV/m
Grid 7 M4 35.89 dBV/m	Grid 8 M4 36.82 dBV/m	Grid 9 M4 36.47 dBV/m

Cursor:

Total = 36.82 dBV/m

E Category: M4

Location: -4, 25, 7.7 mm



0 dB = 69.31 V/m = 36.82 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 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 = 17.23 V/m; Power Drift = 0.14 dB

Applied MIF = 3.63 dB

RF audio interference level = 28.20 dBV/m

Emission category: M4

MIF scaled E-field

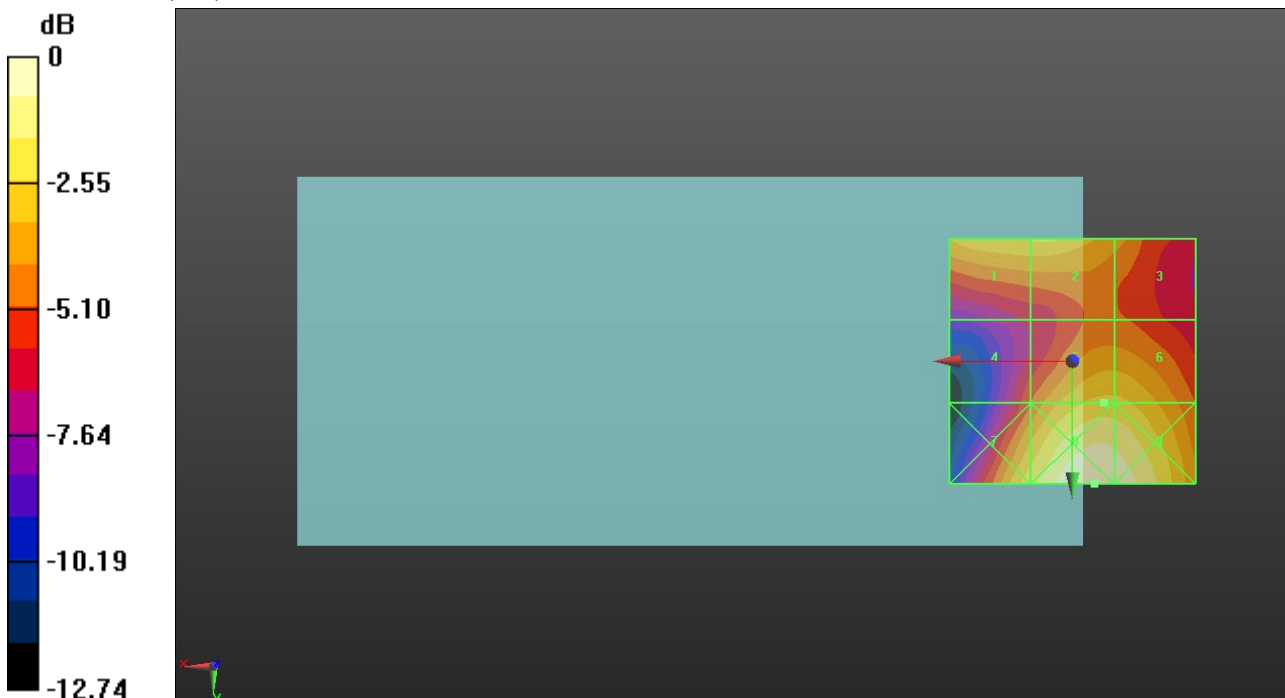
Grid 1 M4 28 dBV/m	Grid 2 M4 28.12 dBV/m	Grid 3 M4 26.64 dBV/m
Grid 4 M4 25.34 dBV/m	Grid 5 M4 28.2 dBV/m	Grid 6 M4 28.15 dBV/m
Grid 7 M4 28.55 dBV/m	Grid 8 M3 30.42 dBV/m	Grid 9 M3 30.14 dBV/m

Cursor:

Total = 30.42 dBV/m

E Category: M3

Location: -4.5, 25, 7.7 mm



0 dB = 33.19 V/m = 30.42 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 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 = 18.61 V/m; Power Drift = -0.03 dB

Applied MIF = 3.63 dB

RF audio interference level = 29.84 dBV/m

Emission category: **M4**

MIF scaled E-field

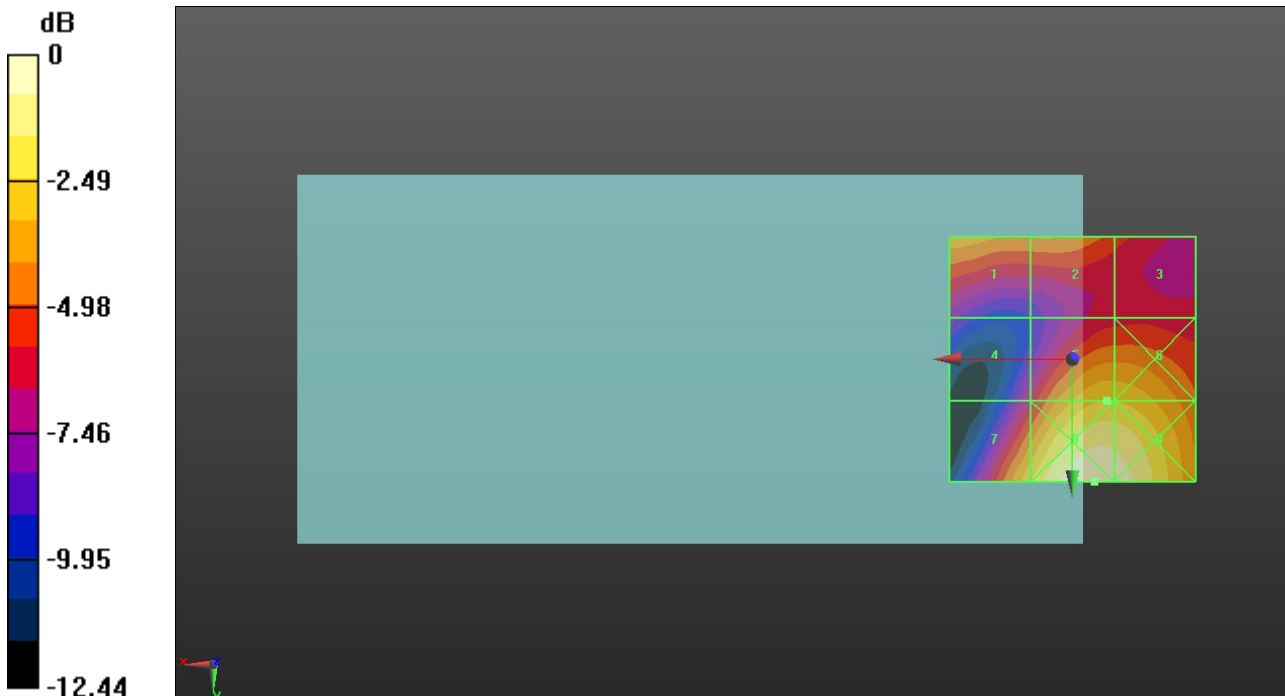
Grid 1 M4 28.76 dBV/m	Grid 2 M4 28.27 dBV/m	Grid 3 M4 26.96 dBV/m
Grid 4 M4 25.85 dBV/m	Grid 5 M4 29.84 dBV/m	Grid 6 M4 29.8 dBV/m
Grid 7 M4 29.79 dBV/m	Grid 8 M3 32.28 dBV/m	Grid 9 M3 32.03 dBV/m

Cursor:

Total = 32.28 dBV/m

E Category: M3

Location: -4.5, 25, 7.7 mm



0 dB = 41.11 V/m = 32.28 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 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 = 17.99 V/m; Power Drift = 0.01 dB

Applied MIF = 3.63 dB

RF audio interference level = 29.42 dBV/m

Emission category: M4

MIF scaled E-field

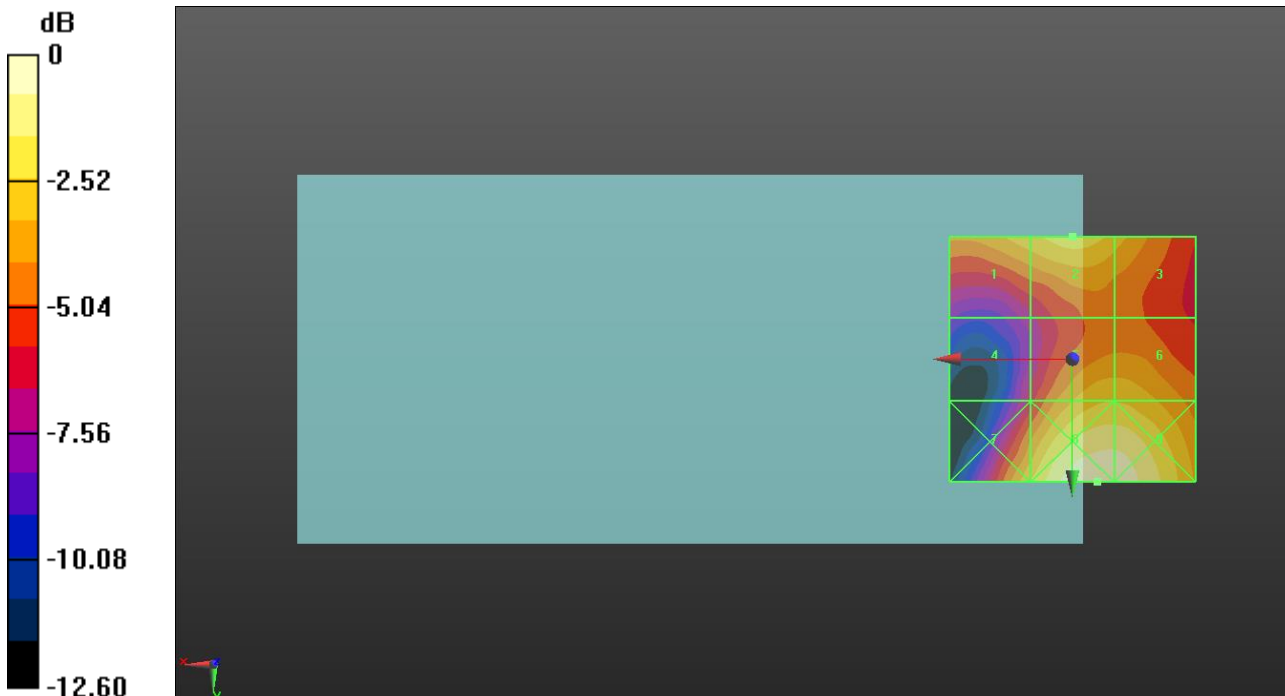
Grid 1 M4 28.62 dBV/m	Grid 2 M4 29.42 dBV/m	Grid 3 M4 28.43 dBV/m
Grid 4 M4 25.07 dBV/m	Grid 5 M4 28.76 dBV/m	Grid 6 M4 28.75 dBV/m
Grid 7 M4 28.86 dBV/m	Grid 8 M3 31.29 dBV/m	Grid 9 M3 31.11 dBV/m

Cursor:

Total = 31.29 dBV/m

E Category: M3

Location: -5, 25, 7.7 mm



0 dB = 36.70 V/m = 31.29 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 - SN4066; ConvF(1, 1, 1) @ 2506 MHz; Calibrated: 2020-07-24
- 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 = 11.87 V/m; Power Drift = -0.03 dB

Applied MIF = -1.44 dB

RF audio interference level = 19.78 dBV/m

Emission category: **M4**

MIF scaled E-field

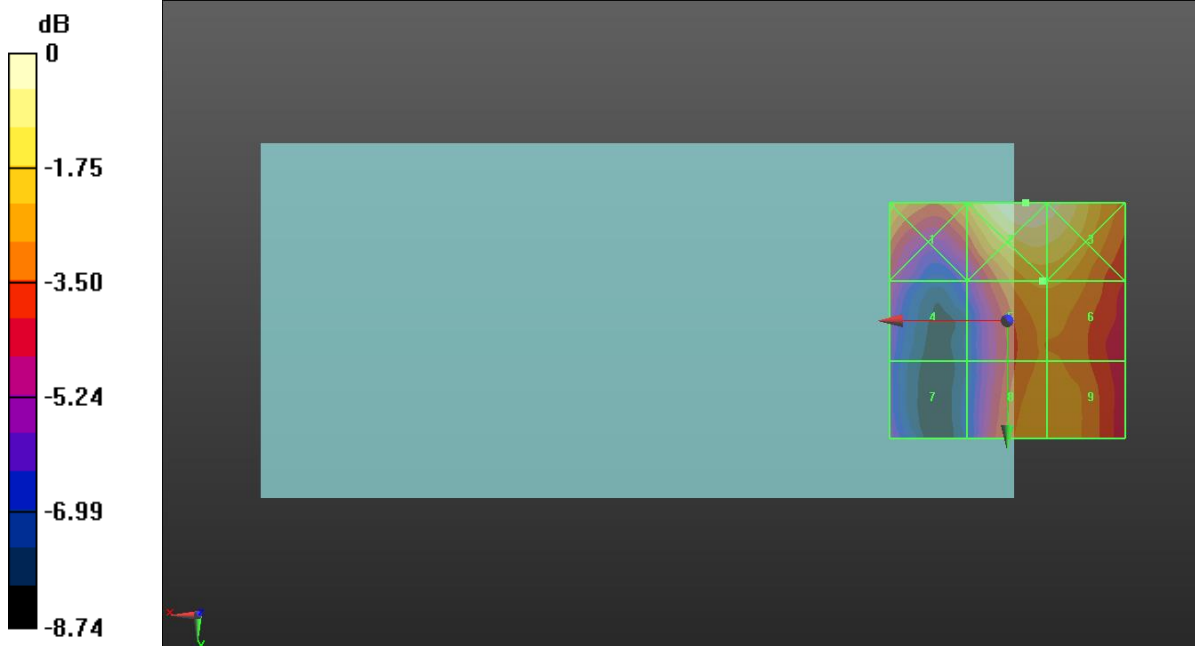
Grid 1 M4 20.07 dBV/m	Grid 2 M4 21.95 dBV/m	Grid 3 M4 21.72 dBV/m
Grid 4 M4 17.43 dBV/m	Grid 5 M4 19.78 dBV/m	Grid 6 M4 19.77 dBV/m
Grid 7 M4 16.73 dBV/m	Grid 8 M4 19.58 dBV/m	Grid 9 M4 19.57 dBV/m

Cursor:

Total = 21.95 dBV/m

E Category: M4

Location: -4, -25, 7.7 mm



0 dB = 12.51 V/m = 21.95 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 - SN4066; ConvF(1, 1, 1) @ 2549.5 MHz; Calibrated: 2020-07-24
- 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 = 12.35 V/m; Power Drift = -0.13 dB

Applied MIF = -1.44 dB

RF audio interference level = 20.03 dBV/m

Emission category: **M4**

MIF scaled E-field

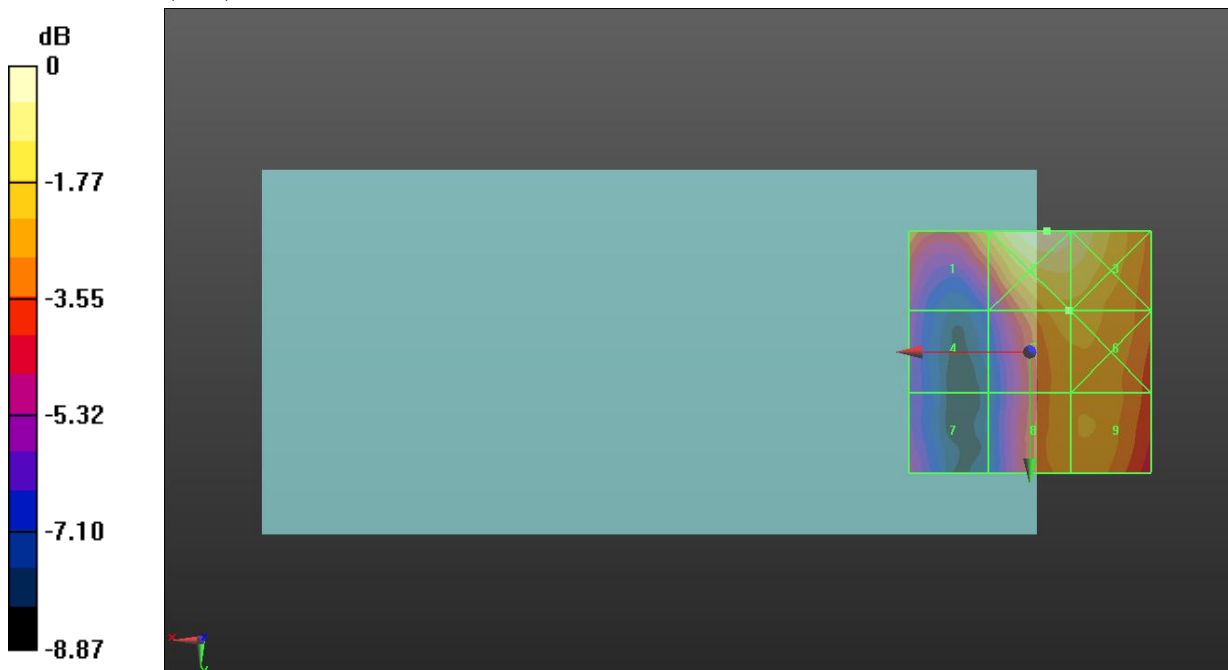
Grid 1 M4 19.94 dBV/m	Grid 2 M4 21.99 dBV/m	Grid 3 M4 21.65 dBV/m
Grid 4 M4 16.8 dBV/m	Grid 5 M4 20.03 dBV/m	Grid 6 M4 20.03 dBV/m
Grid 7 M4 17.06 dBV/m	Grid 8 M4 19.59 dBV/m	Grid 9 M4 19.66 dBV/m

Cursor:

Total = 21.99 dBV/m

E Category: M4

Location: -3.5, -25, 7.7 mm



0 dB = 12.58 V/m = 21.99 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 - SN4066; ConvF(1, 1, 1) @ 2593 MHz; Calibrated: 2020-07-24
- 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 = 12.98 V/m; Power Drift = -0.12 dB

Applied MIF = -1.44 dB

RF audio interference level = 20.66 dBV/m

Emission category: **M4**

MIF scaled E-field

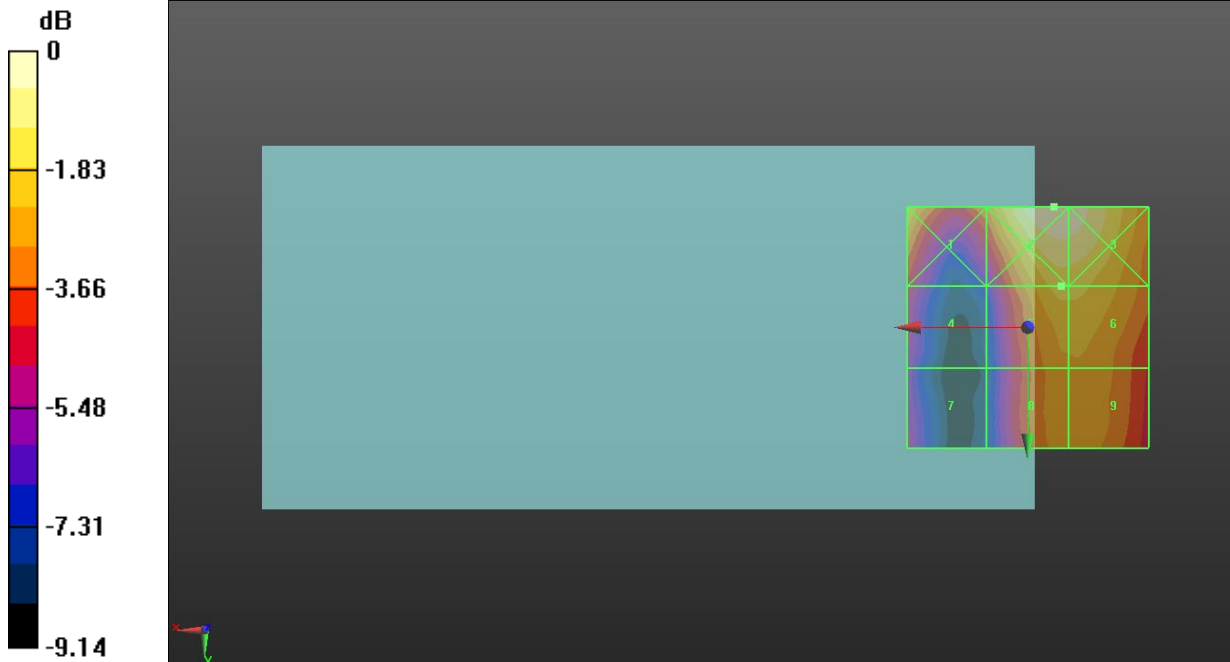
Grid 1 M4 20.81 dBV/m	Grid 2 M4 22.24 dBV/m	Grid 3 M4 22.12 dBV/m
Grid 4 M4 17.83 dBV/m	Grid 5 M4 20.66 dBV/m	Grid 6 M4 20.64 dBV/m
Grid 7 M4 17.25 dBV/m	Grid 8 M4 19.71 dBV/m	Grid 9 M4 19.73 dBV/m

Cursor:

Total = 22.24 dBV/m

E Category: M4

Location: -5.5, -25, 7.7 mm



0 dB = 12.94 V/m = 22.24 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 - SN4066; ConvF(1, 1, 1) @ 2636.5 MHz; Calibrated: 2020-07-24
- 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 = 11.45 V/m; Power Drift = -0.04 dB

Applied MIF = -1.44 dB

RF audio interference level = 20.33 dBV/m

Emission category: **M4**

MIF scaled E-field

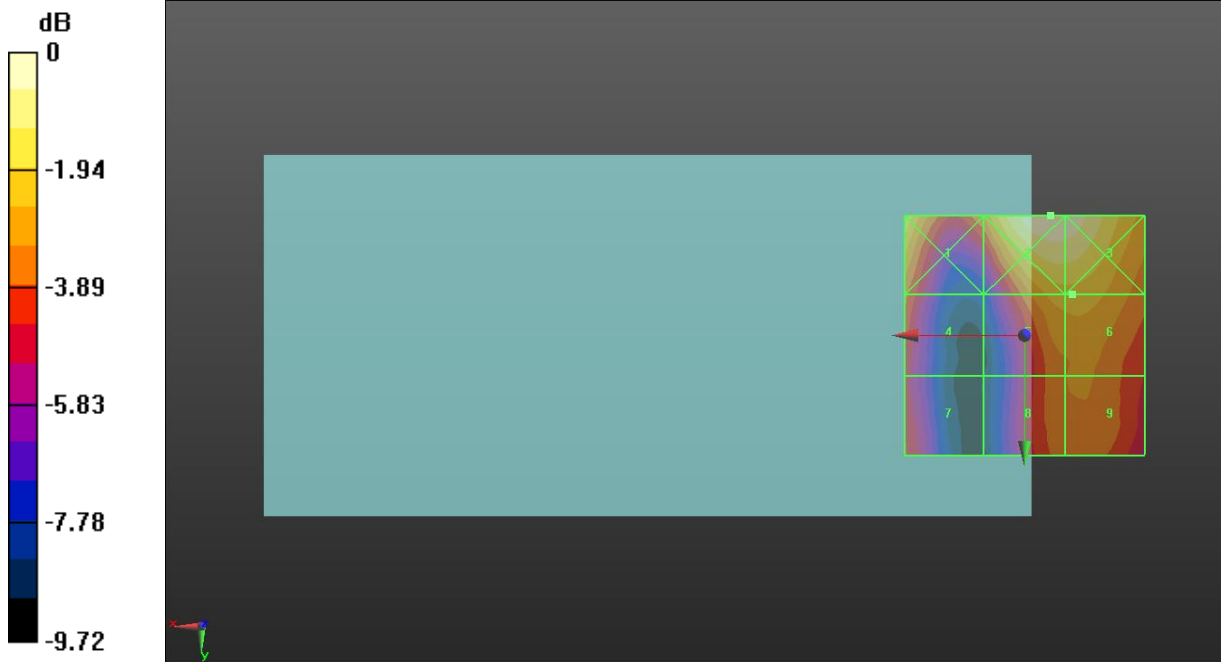
Grid 1 M4 21.41 dBV/m	Grid 2 M4 22.52 dBV/m	Grid 3 M4 22.41 dBV/m
Grid 4 M4 18.84 dBV/m	Grid 5 M4 20.3 dBV/m	Grid 6 M4 20.33 dBV/m
Grid 7 M4 18.14 dBV/m	Grid 8 M4 19.27 dBV/m	Grid 9 M4 19.4 dBV/m

Cursor:

Total = 22.52 dBV/m

E Category: M4

Location: -5.5, -25, 7.7 mm



0 dB = 13.36 V/m = 22.52 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 - SN4066; ConvF(1, 1, 1) @ 2680 MHz; Calibrated: 2020-07-24
- 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 = 9.549 V/m; Power Drift = 0.10 dB

Applied MIF = -1.44 dB

RF audio interference level = 19.45 dBV/m

Emission category: **M4**

MIF scaled E-field

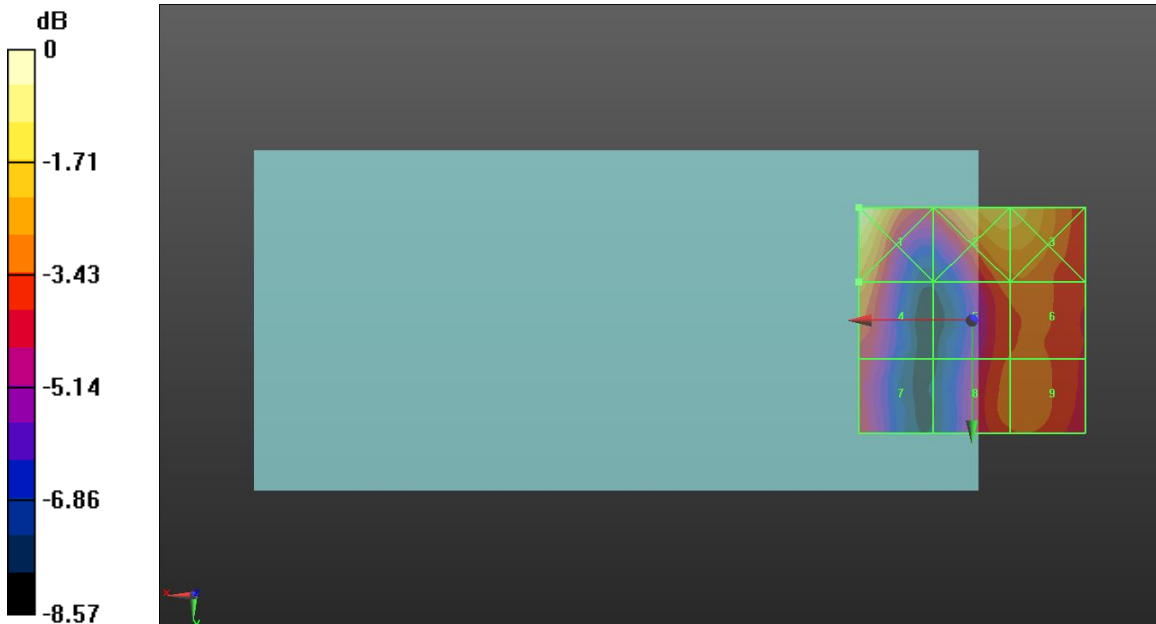
Grid 1 M4 21.93 dBV/m	Grid 2 M4 20.67 dBV/m	Grid 3 M4 20.62 dBV/m
Grid 4 M4 19.45 dBV/m	Grid 5 M4 18.89 dBV/m	Grid 6 M4 19.01 dBV/m
Grid 7 M4 17.98 dBV/m	Grid 8 M4 18.73 dBV/m	Grid 9 M4 18.87 dBV/m

Cursor:

Total = 21.93 dBV/m

E Category: M4

Location: 25, -25, 7.7 mm



0 dB = 12.49 V/m = 21.93 dBV/m