

HAC-RF Emission

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 - SN4028; ConvF(1, 1, 1); Calibrated: 7/24/2017;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1472; Calibrated: 3/8/2018
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.8 (7);SEMCAD X Version 14.6.10 (7164)

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 = 32.93 V/m; Power Drift = 0.04 dB

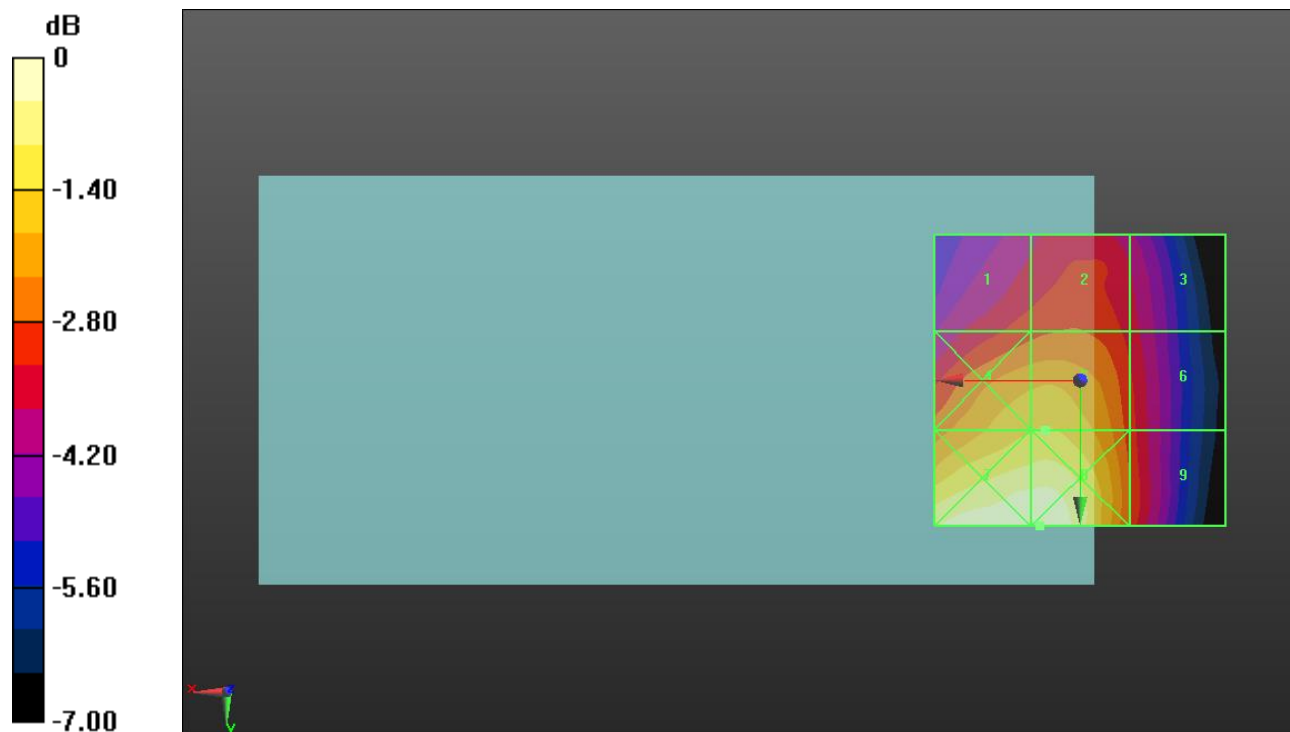
Applied MIF = 3.63 dB

RF audio interference level = 31.96 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 30.36 dBV/m	Grid 2 M4 30.55 dBV/m	Grid 3 M4 29.88 dBV/m
Grid 4 M4 31.89 dBV/m	Grid 5 M4 31.96 dBV/m	Grid 6 M4 30.31 dBV/m
Grid 7 M4 33.3 dBV/m	Grid 8 M4 33.32 dBV/m	Grid 9 M4 30.57 dBV/m



0 dB = 46.32 V/m = 33.32 dBV/m

HAC-RF Emission

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 - SN4028; ConvF(1, 1, 1); Calibrated: 7/24/2017;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1472; Calibrated: 3/8/2018
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.8 (7);SEMCAD X Version 14.6.10 (7164)

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 = 34.43 V/m; Power Drift = -0.02 dB

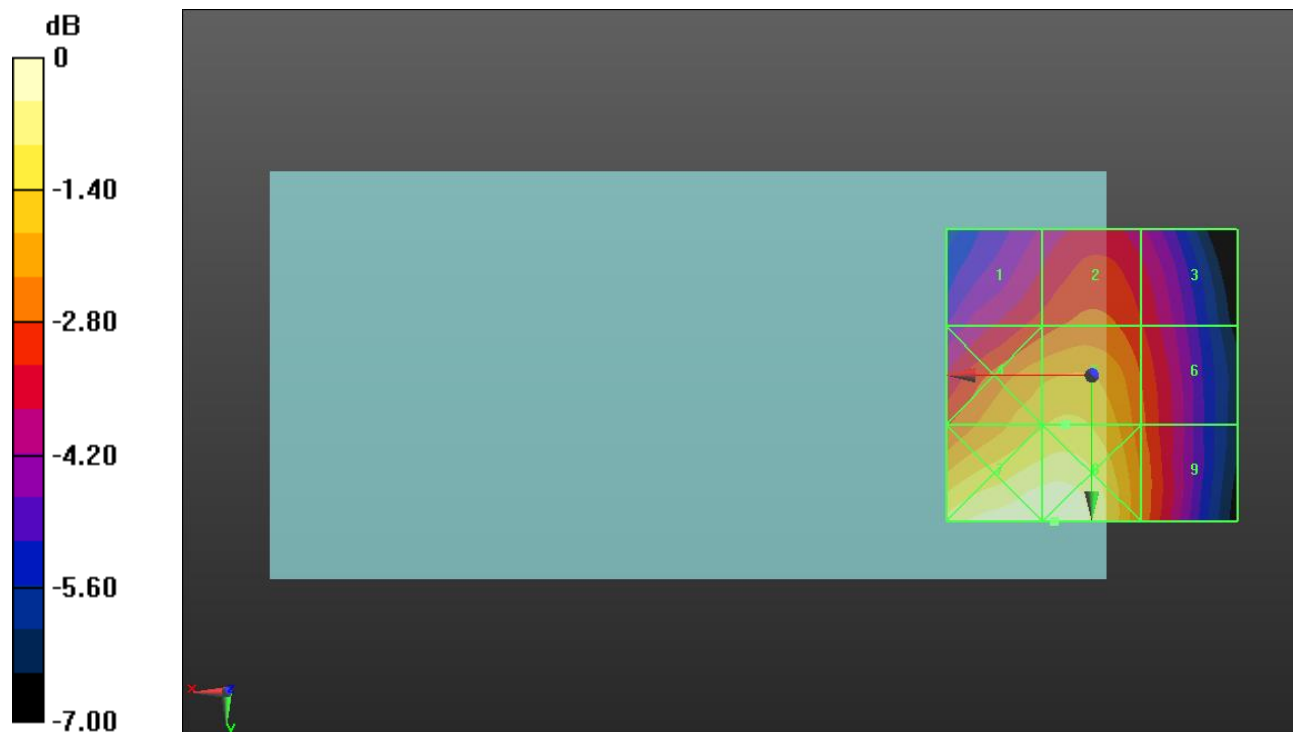
Applied MIF = 3.63 dB

RF audio interference level = 32.23 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 30.51 dBV/m	Grid 2 M4 30.92 dBV/m	Grid 3 M4 30.3 dBV/m
Grid 4 M4 32.08 dBV/m	Grid 5 M4 32.23 dBV/m	Grid 6 M4 30.88 dBV/m
Grid 7 M4 33.48 dBV/m	Grid 8 M4 33.52 dBV/m	Grid 9 M4 31.18 dBV/m



0 dB = 47.40 V/m = 33.52 dBV/m

HAC-RF Emission

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 - SN4028; ConvF(1, 1, 1); Calibrated: 7/24/2017;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1472; Calibrated: 3/8/2018
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.8 (7);SEMCAD X Version 14.6.10 (7164)

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 = 33.33 V/m; Power Drift = -0.05 dB

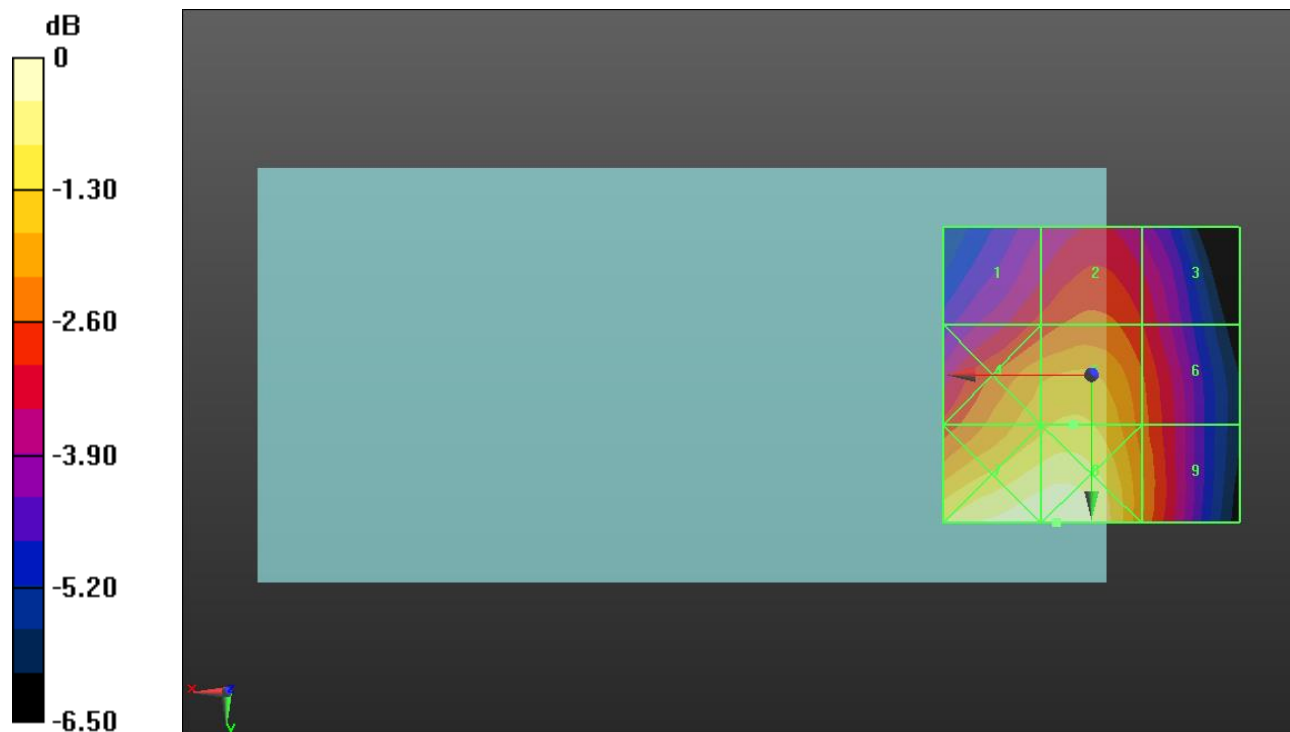
Applied MIF = 3.63 dB

RF audio interference level = 31.88 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 30.24 dBV/m	Grid 2 M4 30.66 dBV/m	Grid 3 M4 30.08 dBV/m
Grid 4 M4 31.68 dBV/m	Grid 5 M4 31.88 dBV/m	Grid 6 M4 30.71 dBV/m
Grid 7 M4 33.01 dBV/m	Grid 8 M4 33.08 dBV/m	Grid 9 M4 31.02 dBV/m



0 dB = 45.07 V/m = 33.08 dBV/m

HAC-RF Emission

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 - SN4028; ConvF(1, 1, 1); Calibrated: 7/24/2017;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1472; Calibrated: 3/8/2018
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.8 (7);SEMCAD X Version 14.6.10 (7164)

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 = 9.900 V/m; Power Drift = 0.25 dB

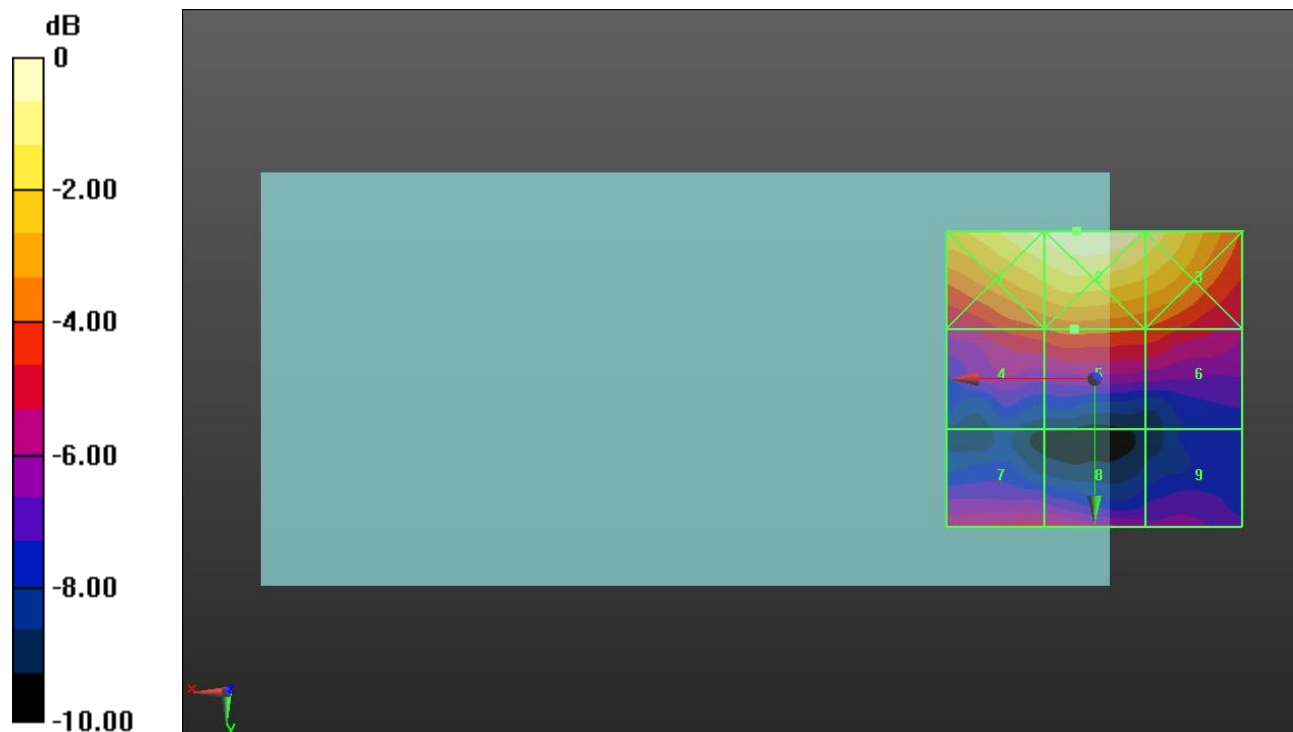
Applied MIF = 3.63 dB

RF audio interference level = 23.76 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 27.16 dBV/m	Grid 2 M4 27.45 dBV/m	Grid 3 M4 26.68 dBV/m
Grid 4 M4 23.45 dBV/m	Grid 5 M4 23.76 dBV/m	Grid 6 M4 23.43 dBV/m
Grid 7 M4 22.49 dBV/m	Grid 8 M4 22.44 dBV/m	Grid 9 M4 21.16 dBV/m



0 dB = 23.57 V/m = 27.45 dBV/m

HAC-RF Emission

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 - SN4028; ConvF(1, 1, 1); Calibrated: 7/24/2017;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1472; Calibrated: 3/8/2018
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.8 (7);SEMCAD X Version 14.6.10 (7164)

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 = 10.21 V/m; Power Drift = -0.11 dB

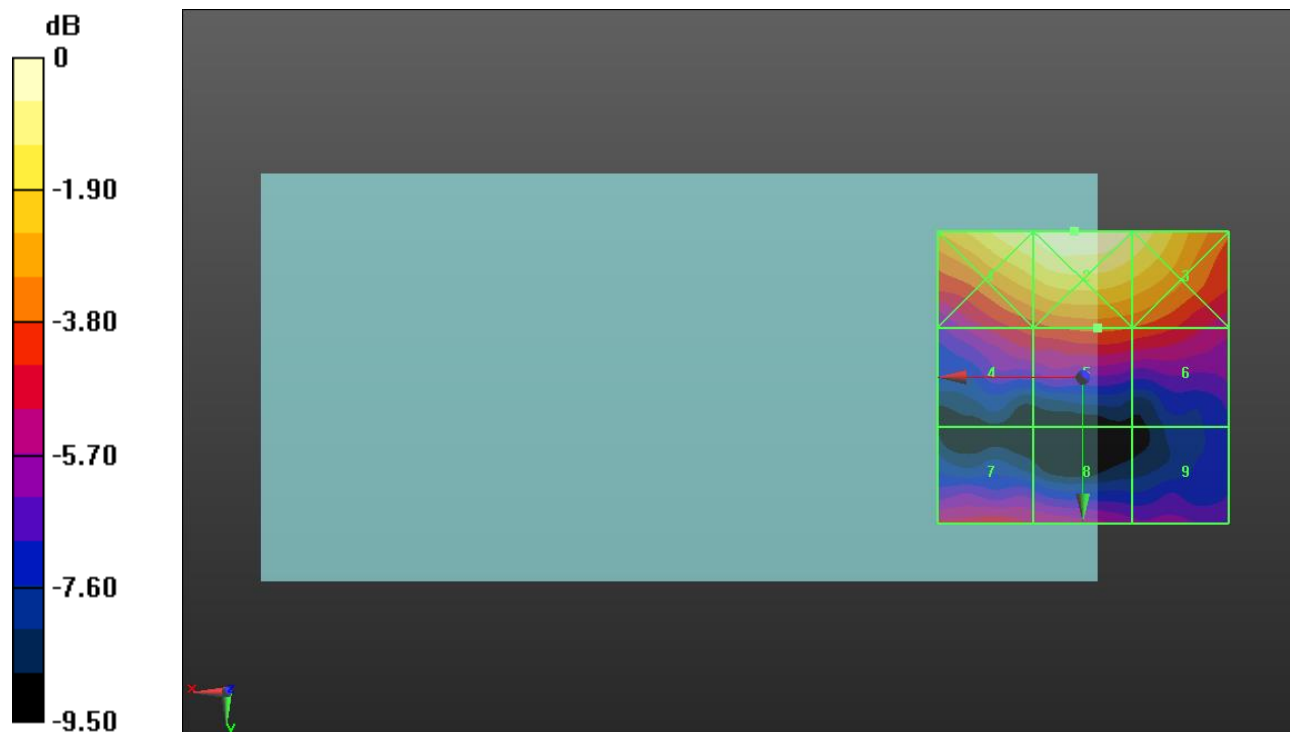
Applied MIF = 3.63 dB

RF audio interference level = 23.93 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 27.09 dBV/m	Grid 2 M4 27.51 dBV/m	Grid 3 M4 26.84 dBV/m
Grid 4 M4 23.44 dBV/m	Grid 5 M4 23.93 dBV/m	Grid 6 M4 23.71 dBV/m
Grid 7 M4 23.03 dBV/m	Grid 8 M4 22.52 dBV/m	Grid 9 M4 21.51 dBV/m



0 dB = 23.75 V/m = 27.51 dBV/m

HAC-RF Emission

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 - SN4028; ConvF(1, 1, 1); Calibrated: 7/24/2017;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1472; Calibrated: 3/8/2018
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.8 (7);SEMCAD X Version 14.6.10 (7164)

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 = 9.797 V/m; Power Drift = -0.24 dB

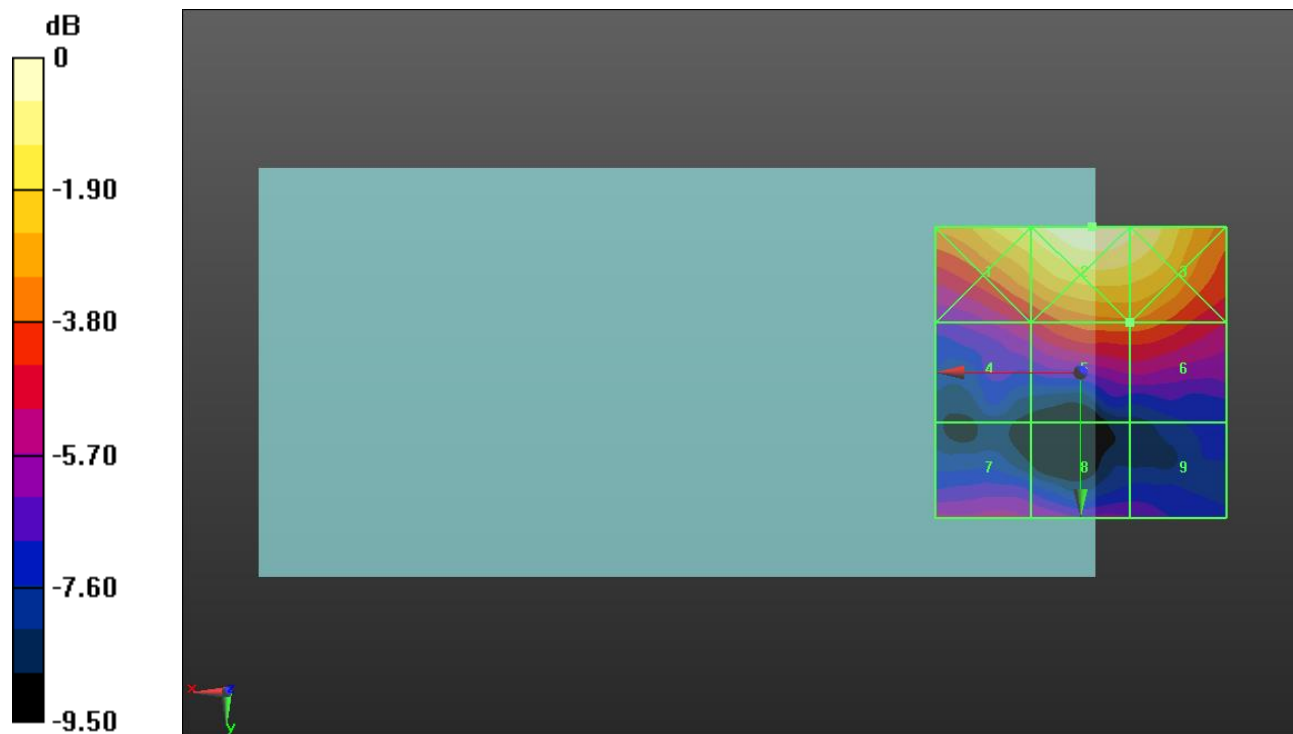
Applied MIF = 3.63 dB

RF audio interference level = 23.45 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 25.9 dBV/m	Grid 2 M4 26.8 dBV/m	Grid 3 M4 26.34 dBV/m
Grid 4 M4 22.12 dBV/m	Grid 5 M4 23.45 dBV/m	Grid 6 M4 23.45 dBV/m
Grid 7 M4 21.46 dBV/m	Grid 8 M4 21.22 dBV/m	Grid 9 M4 20.55 dBV/m



0 dB = 21.89 V/m = 26.80 dBV/m

HAC-RF Emission

Communication System: UID 10173 - CAD, LTE-TDD (SC-FDMA, 1 RB, 20 MHz, 16-QAM); Frequency: 2580 MHz; Duty Cycle: 1:8.87156

Phantom section: RF Section

DASY5 Configuration:

- Probe: EF3DV3 - SN4028; ConvF(1, 1, 1); Calibrated: 7/24/2017;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1472; Calibrated: 3/8/2018
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.8 (7);SEMCAD X Version 14.6.10 (7164)

LTE Band 38 E-Field measurement/LTE TDD_16QAM_RB 1/49_ch 37850/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 = 11.41 V/m; Power Drift = -0.01 dB

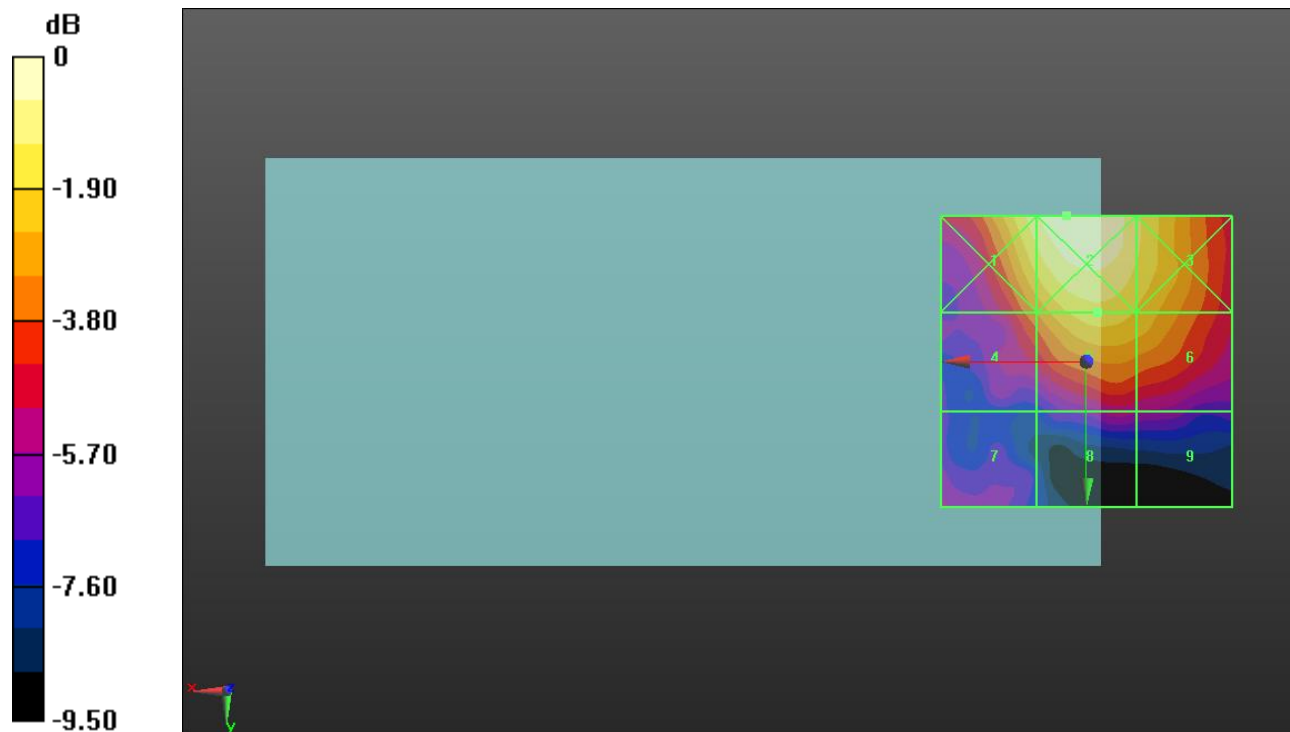
Applied MIF = -1.44 dB

RF audio interference level = 18.78 dBV/m

Emission category: **M4**

MIF scaled E-field

Grid 1 M4 19.56 dBV/m	Grid 2 M4 20.29 dBV/m	Grid 3 M4 19.22 dBV/m
Grid 4 M4 17.2 dBV/m	Grid 5 M4 18.78 dBV/m	Grid 6 M4 18.33 dBV/m
Grid 7 M4 14.82 dBV/m	Grid 8 M4 14.96 dBV/m	Grid 9 M4 14.69 dBV/m



0 dB = 10.34 V/m = 20.29 dBV/m

HAC-RF Emission

Communication System: UID 10173 - CAD, LTE-TDD (SC-FDMA, 1 RB, 20 MHz, 16-QAM); Frequency: 2595 MHz; Duty Cycle: 1:8.87156

Phantom section: RF Section

DASY5 Configuration:

- Probe: EF3DV3 - SN4028; ConvF(1, 1, 1); Calibrated: 7/24/2017;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1472; Calibrated: 3/8/2018
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.8 (7);SEMCAD X Version 14.6.10 (7164)

LTE Band 38 E-Field measurement/LTE TDD_16QAM_RB 1/49_ch 38000/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 = 11.54 V/m; Power Drift = 0.02 dB

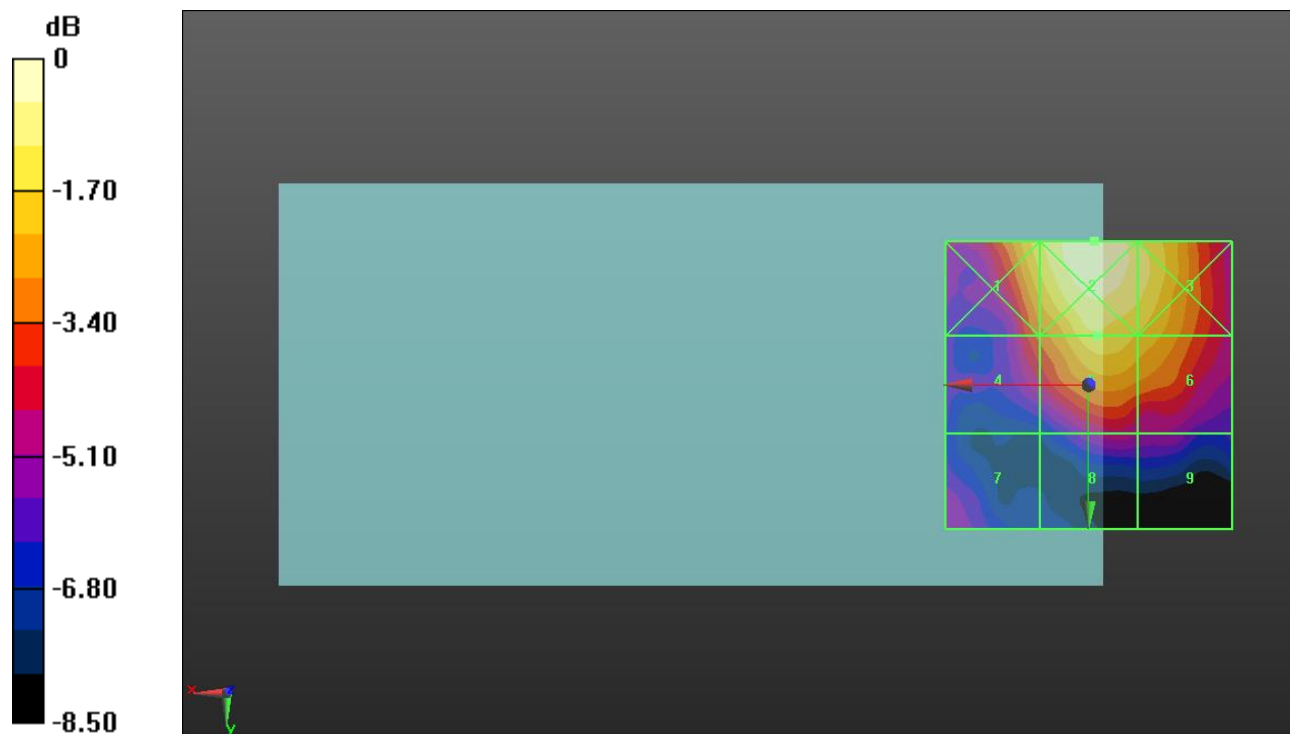
Applied MIF = -1.44 dB

RF audio interference level = 19.02 dBV/m

Emission category: **M4**

MIF scaled E-field

Grid 1 M4 19.03 dBV/m	Grid 2 M4 20.26 dBV/m	Grid 3 M4 19.5 dBV/m
Grid 4 M4 17.11 dBV/m	Grid 5 M4 19.02 dBV/m	Grid 6 M4 18.53 dBV/m
Grid 7 M4 14.94 dBV/m	Grid 8 M4 15.55 dBV/m	Grid 9 M4 15.25 dBV/m



0 dB = 10.31 V/m = 20.27 dBV/m

HAC-RF Emission

Communication System: UID 10173 - CAD, LTE-TDD (SC-FDMA, 1 RB, 20 MHz, 16-QAM); Frequency: 2610 MHz; Duty Cycle: 1:8.87156

Phantom section: RF Section

DASY5 Configuration:

- Probe: EF3DV3 - SN4028; ConvF(1, 1, 1); Calibrated: 7/24/2017;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1472; Calibrated: 3/8/2018
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.8 (7);SEMCAD X Version 14.6.10 (7164)

LTE Band 38 E-Field measurement/LTE TDD_16QAM_RB 1/49_ch 38150/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 = 12.77 V/m; Power Drift = -0.03 dB

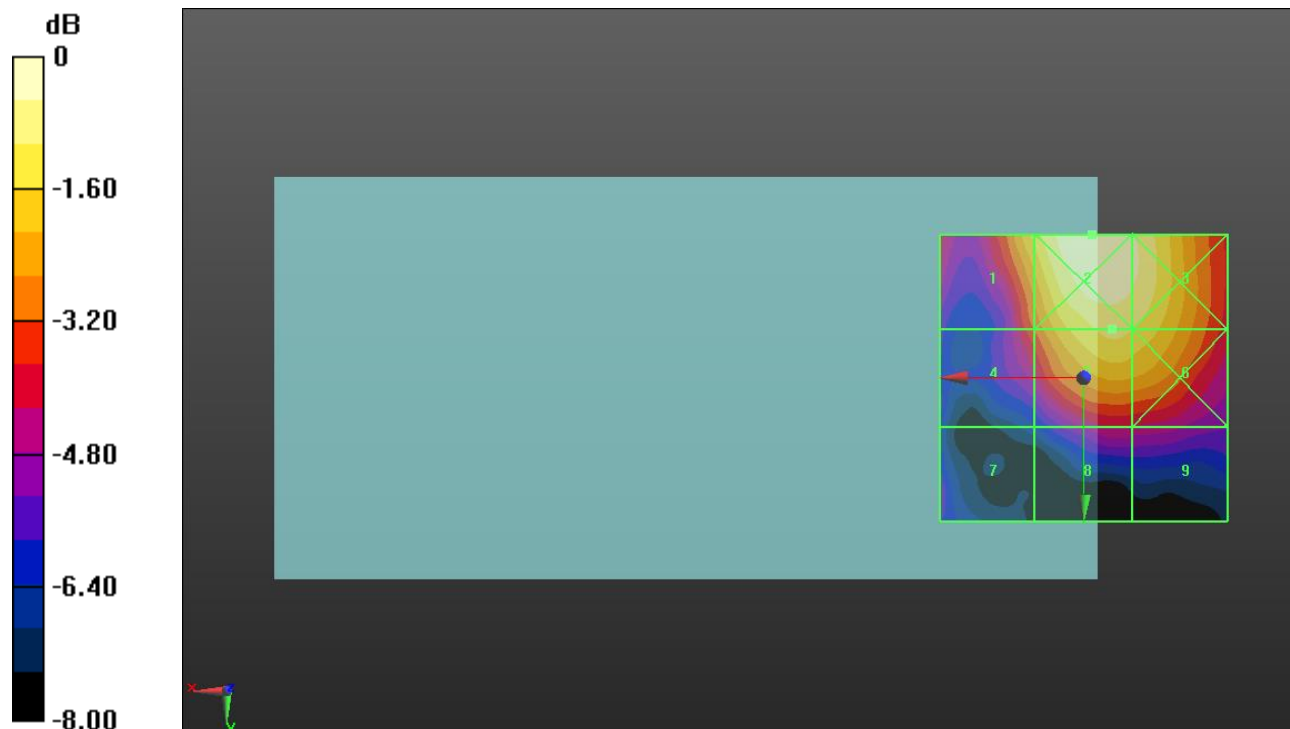
Applied MIF = -1.44 dB

RF audio interference level = 19.57 dBV/m

Emission category: **M4**

MIF scaled E-field

Grid 1 M4 19.11 dBV/m	Grid 2 M4 20.47 dBV/m	Grid 3 M4 20.09 dBV/m
Grid 4 M4 17.35 dBV/m	Grid 5 M4 19.57 dBV/m	Grid 6 M4 19.42 dBV/m
Grid 7 M4 15.15 dBV/m	Grid 8 M4 16.31 dBV/m	Grid 9 M4 16.17 dBV/m



0 dB = 10.56 V/m = 20.47 dBV/m

HAC-RF Emission

Communication System: UID 10173 - CAC, 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 - SN4028; ConvF(1, 1, 1); Calibrated: 7/24/2017;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1472; Calibrated: 3/8/2018
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.8 (7);SEMCAD X Version 14.6.10 (7164)

LTE Band 41 E-Field measurement/LTE TDD_16QAM_RB 1/49_ch 39750/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 = 8.867 V/m; Power Drift = -0.29 dB

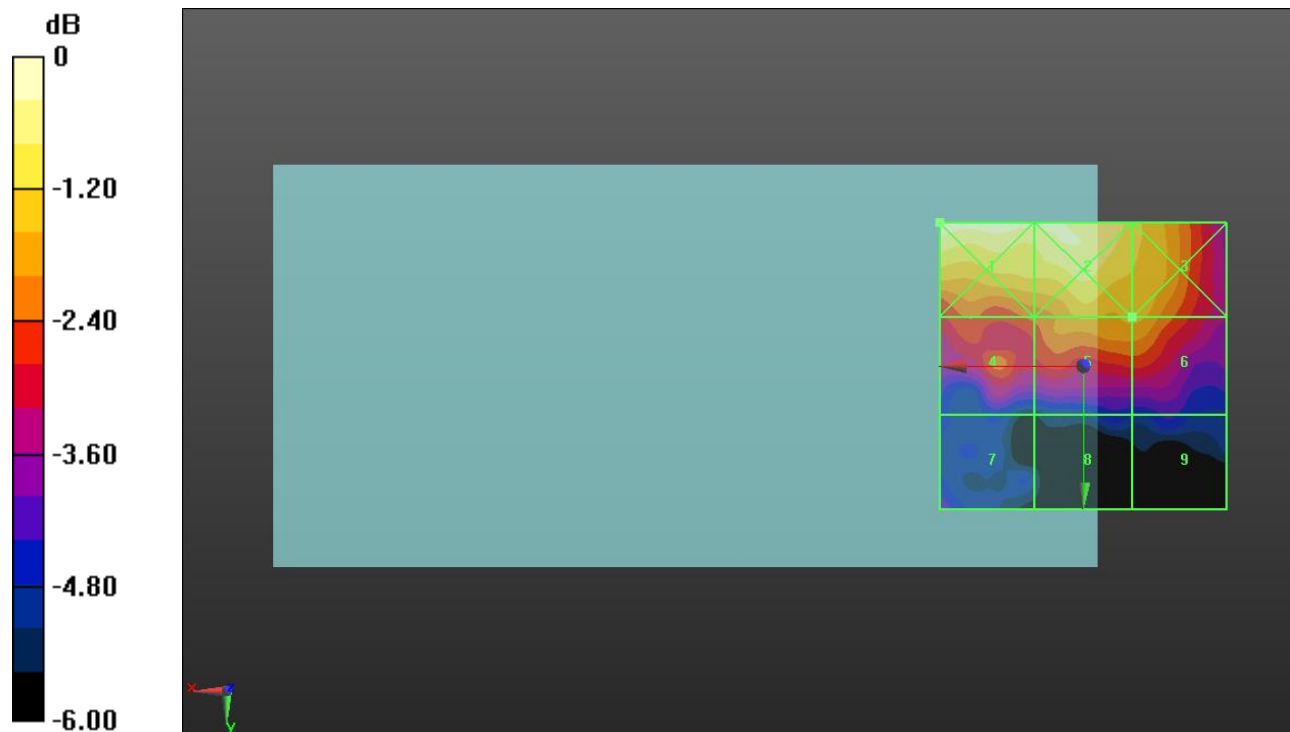
Applied MIF = -1.44 dB

RF audio interference level = 15.96 dBV/m

Emission category: **M4**

MIF scaled E-field

Grid 1 M4 17.43 dBV/m	Grid 2 M4 17.12 dBV/m	Grid 3 M4 16.43 dBV/m
Grid 4 M4 15.22 dBV/m	Grid 5 M4 15.96 dBV/m	Grid 6 M4 15.96 dBV/m
Grid 7 M4 13.6 dBV/m	Grid 8 M4 12.95 dBV/m	Grid 9 M4 13.15 dBV/m



0 dB = 7.438 V/m = 17.43 dBV/m

HAC-RF Emission

Communication System: UID 10173 - CAC, 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 - SN4028; ConvF(1, 1, 1); Calibrated: 7/24/2017;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1472; Calibrated: 3/8/2018
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.8 (7);SEMCAD X Version 14.6.10 (7164)

LTE Band 41 E-Field measurement/LTE TDD_16QAM_RB 1/49_ch 40185/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 = -0.15 dB

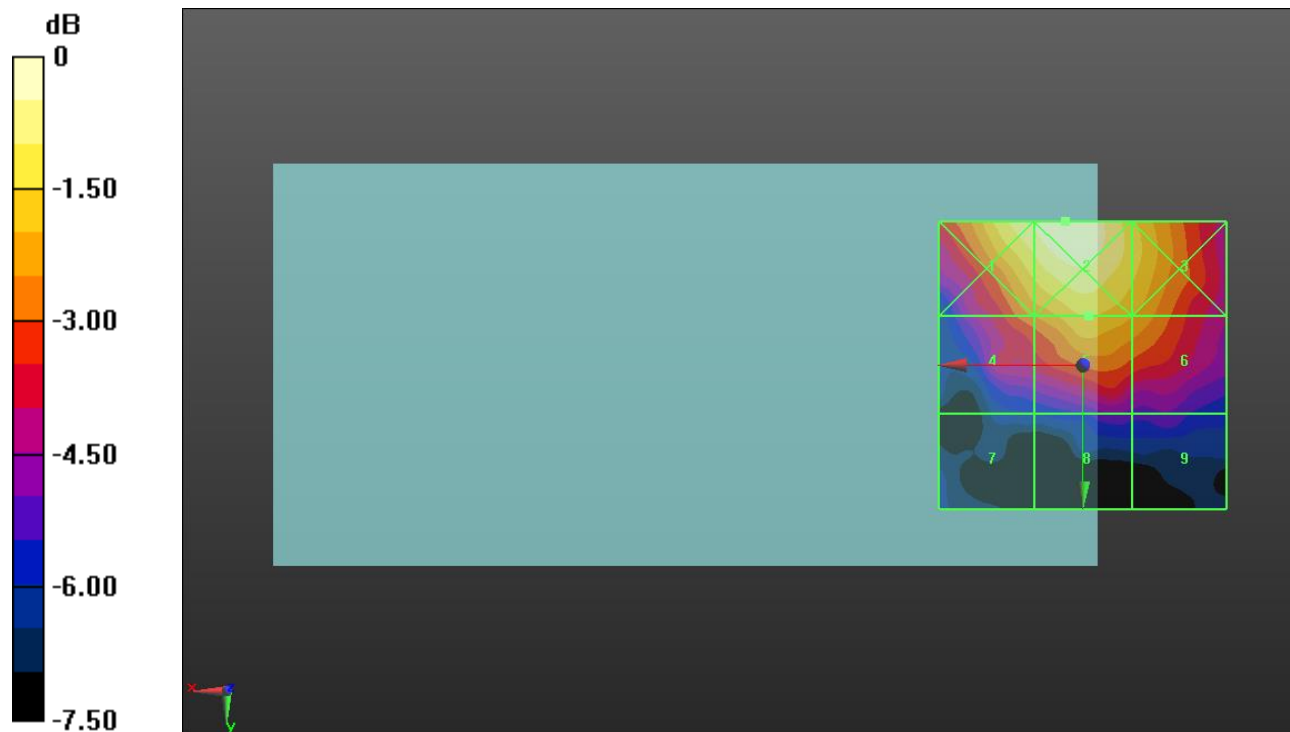
Applied MIF = -1.44 dB

RF audio interference level = 18.40 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 19.5 dBV/m	Grid 2 M4 19.88 dBV/m	Grid 3 M4 18.69 dBV/m
Grid 4 M4 17.41 dBV/m	Grid 5 M4 18.4 dBV/m	Grid 6 M4 17.92 dBV/m
Grid 7 M4 13.88 dBV/m	Grid 8 M4 14.87 dBV/m	Grid 9 M4 14.86 dBV/m



0 dB = 9.867 V/m = 19.88 dBV/m

HAC-RF Emission

Communication System: UID 10173 - CAC, 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 - SN4028; ConvF(1, 1, 1); Calibrated: 7/24/2017;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1472; Calibrated: 3/8/2018
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.8 (7);SEMCAD X Version 14.6.10 (7164)

LTE Band 41 E-Field measurement/LTE TDD_16QAM_RB 1/49_ch 40620/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 = 10.90 V/m; Power Drift = -0.16 dB

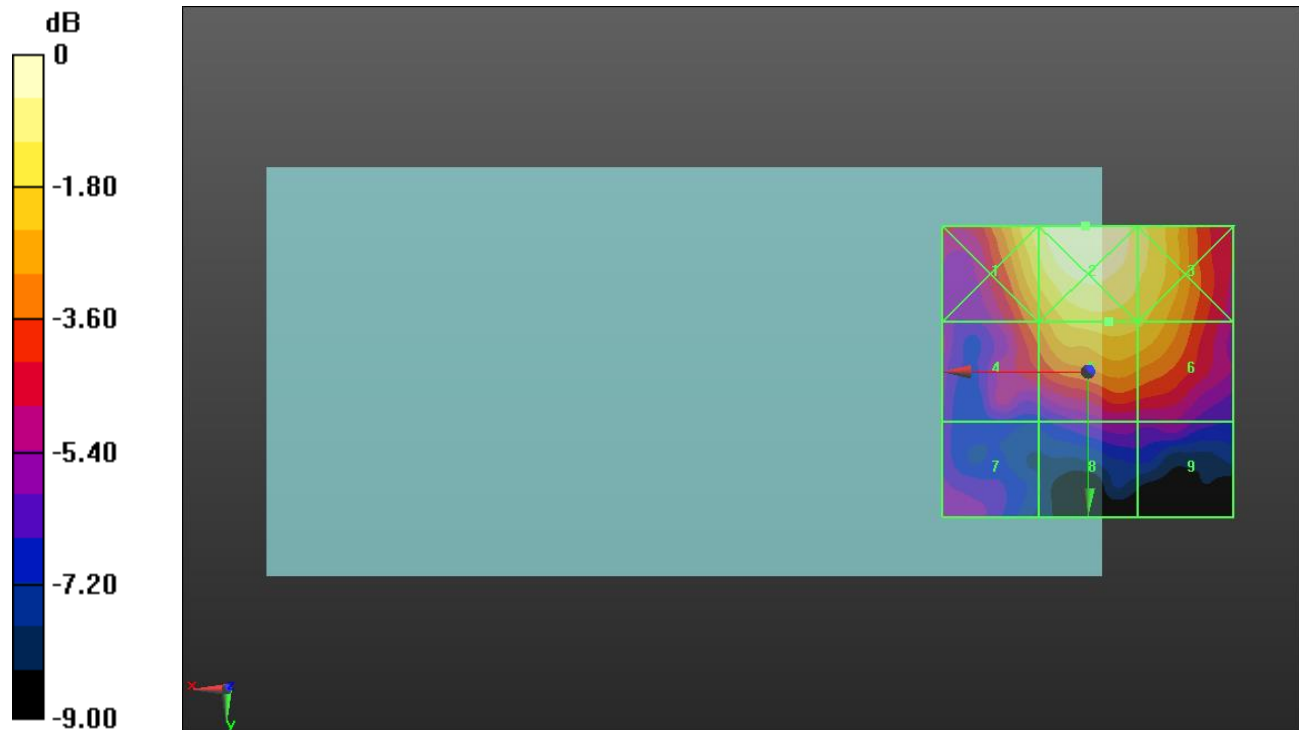
Applied MIF = -1.44 dB

RF audio interference level = 18.11 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 18.76 dBV/m	Grid 2 M4 19.57 dBV/m	Grid 3 M4 18.73 dBV/m
Grid 4 M4 16.68 dBV/m	Grid 5 M4 18.11 dBV/m	Grid 6 M4 17.91 dBV/m
Grid 7 M4 14.24 dBV/m	Grid 8 M4 14.26 dBV/m	Grid 9 M4 14.21 dBV/m



0 dB = 9.516 V/m = 19.57 dBV/m

HAC-RF Emission

Communication System: UID 10173 - CAC, 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 - SN4028; ConvF(1, 1, 1); Calibrated: 7/24/2017;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1472; Calibrated: 3/8/2018
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.8 (7);SEMCAD X Version 14.6.10 (7164)

LTE Band 41 E-Field measurement/LTE TDD_16QAM_RB 1/49_ch 41055/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 = 11.37 V/m; Power Drift = 0.15 dB

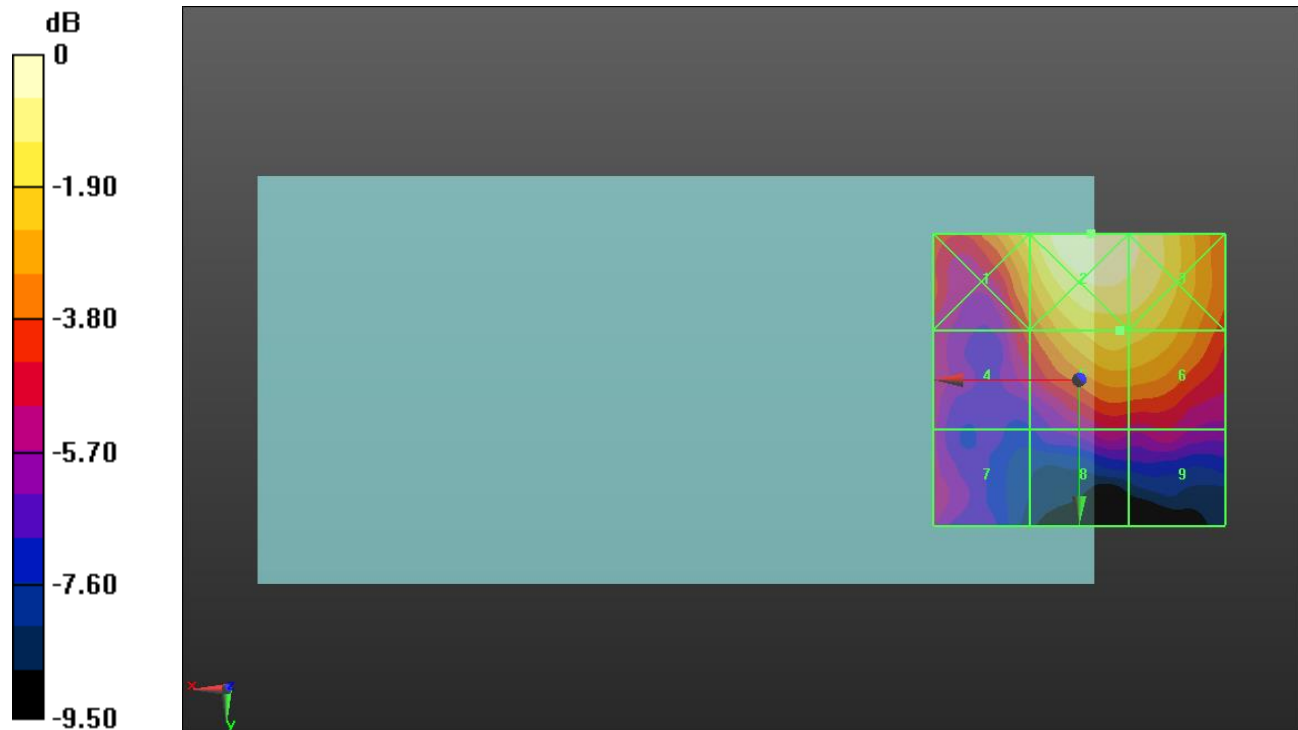
Applied MIF = -1.44 dB

RF audio interference level = 19.08 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 19.18 dBV/m	Grid 2 M4 20.64 dBV/m	Grid 3 M4 20.22 dBV/m
Grid 4 M4 16.7 dBV/m	Grid 5 M4 19.08 dBV/m	Grid 6 M4 19.05 dBV/m
Grid 7 M4 15.66 dBV/m	Grid 8 M4 15.6 dBV/m	Grid 9 M4 15.63 dBV/m



0 dB = 10.76 V/m = 20.64 dBV/m

HAC-RF Emission

Communication System: UID 10173 - CAC, 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 - SN4028; ConvF(1, 1, 1); Calibrated: 7/24/2017;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1472; Calibrated: 3/8/2018
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.8 (7);SEMCAD X Version 14.6.10 (7164)

LTE Band 41 E-Field measurement/LTE TDD_16QAM_RB 1/49_ch 41490/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 = 11.14 V/m; Power Drift = 0.16 dB

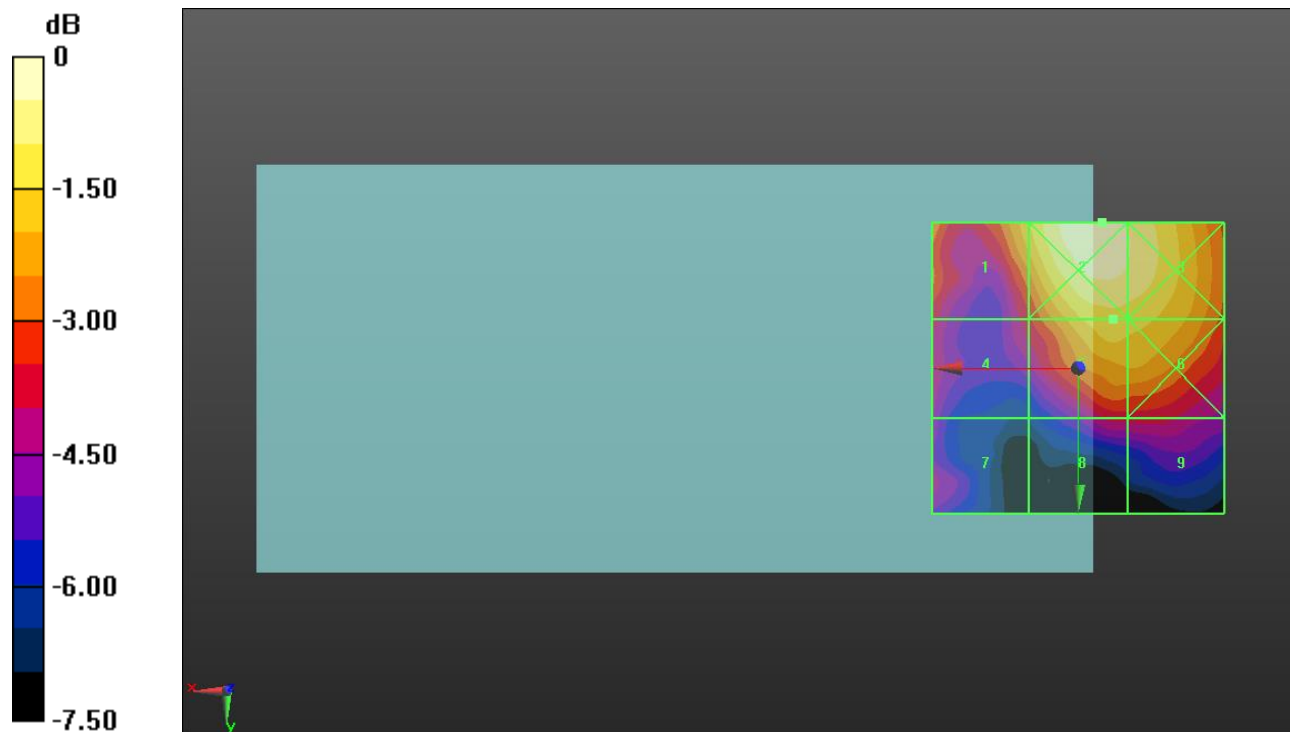
Applied MIF = -1.44 dB

RF audio interference level = 18.51 dBV/m

Emission category: **M4**

MIF scaled E-field

Grid 1 M4 18.1 dBV/m	Grid 2 M4 19.68 dBV/m	Grid 3 M4 19.23 dBV/m
Grid 4 M4 16.06 dBV/m	Grid 5 M4 18.51 dBV/m	Grid 6 M4 18.44 dBV/m
Grid 7 M4 15.43 dBV/m	Grid 8 M4 15.92 dBV/m	Grid 9 M4 15.93 dBV/m



0 dB = 9.636 V/m = 19.68 dBV/m

HAC-RF Emission

Communication System: UID 10077 - CAB, IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 54 Mbps); Frequency: 2412 MHz; Duty Cycle: 1:12.5893

Phantom section: RF Section

DASY5 Configuration:

- Probe: EF3DV3 - SN4028; ConvF(1, 1, 1); Calibrated: 7/24/2017;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1472; Calibrated: 3/8/2018
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.8 (7);SEMCAD X Version 14.6.10 (7164)

802.11g_ANT 1 E-Field measurement/IEEE 802.11g_OFDM 54 Mbps_ch 1/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 = 10.56 V/m; Power Drift = 0.06 dB

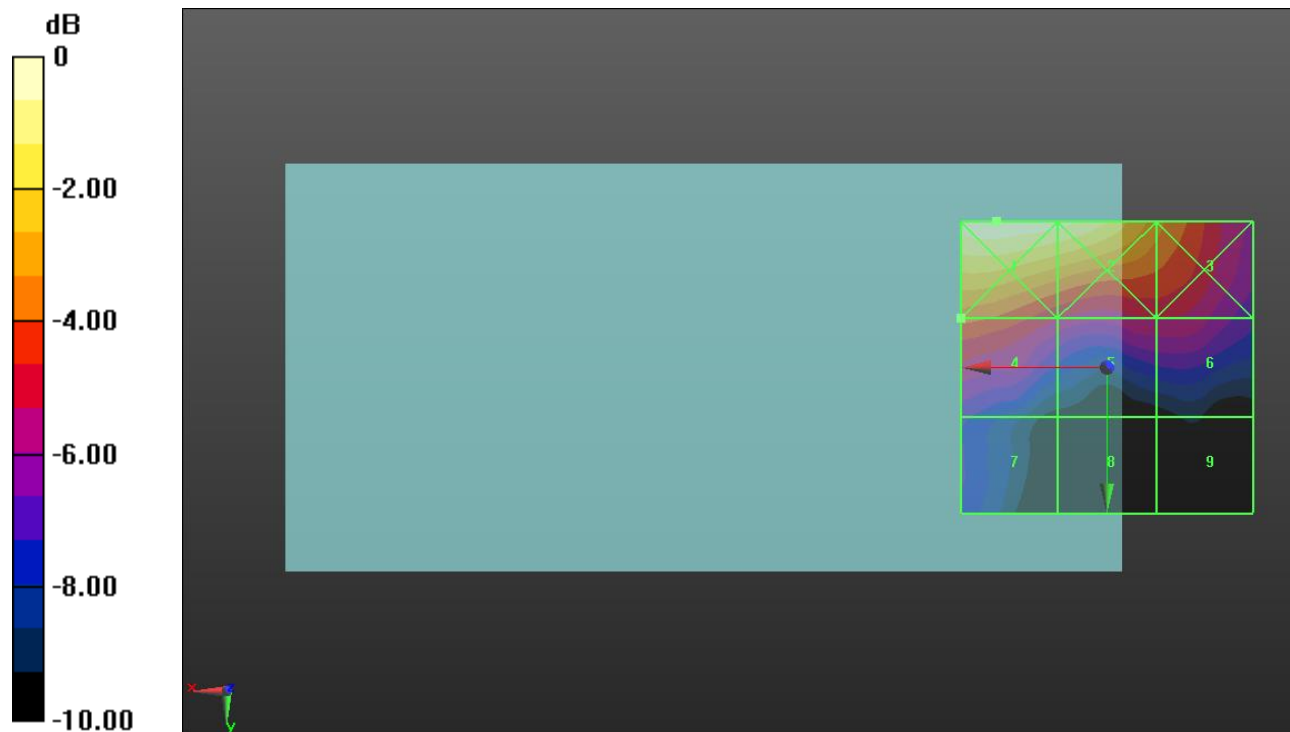
Applied MIF = 0.12 dB

RF audio interference level = 22.50 dBV/m

Emission category: **M4**

MIF scaled E-field

Grid 1 M4 26.22 dBV/m	Grid 2 M4 25.85 dBV/m	Grid 3 M4 23.17 dBV/m
Grid 4 M4 22.5 dBV/m	Grid 5 M4 20.97 dBV/m	Grid 6 M4 20.95 dBV/m
Grid 7 M4 19.11 dBV/m	Grid 8 M4 16.63 dBV/m	Grid 9 M4 17.1 dBV/m



0 dB = 20.46 V/m = 26.22 dBV/m

HAC-RF Emission

Communication System: UID 10077 - CAB, IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 54 Mbps); Frequency: 2437 MHz; Duty Cycle: 1:12.5893

Phantom section: RF Section

DASY5 Configuration:

- Probe: EF3DV3 - SN4028; ConvF(1, 1, 1); Calibrated: 7/24/2017;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1472; Calibrated: 3/8/2018
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.8 (7);SEMCAD X Version 14.6.10 (7164)

802.11g_ANT 1 E-Field measurement/IEEE 802.11g_OFDM 54 Mbps_ch 6/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 = 10.33 V/m; Power Drift = 0.16 dB

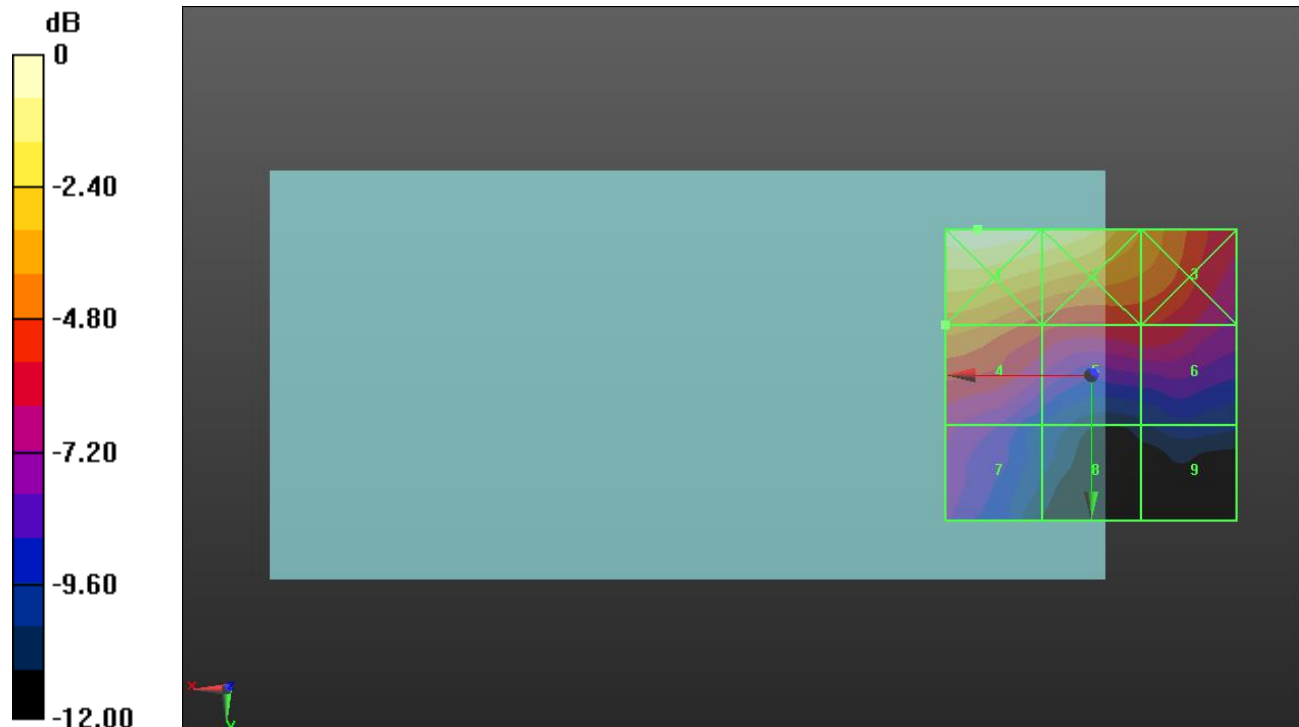
Applied MIF = 0.12 dB

RF audio interference level = 22.92 dBV/m

Emission category: **M4**

MIF scaled E-field

Grid 1 M4 26.55 dBV/m	Grid 2 M4 26.05 dBV/m	Grid 3 M4 23.35 dBV/m
Grid 4 M4 22.92 dBV/m	Grid 5 M4 21.31 dBV/m	Grid 6 M4 20.99 dBV/m
Grid 7 M4 19.72 dBV/m	Grid 8 M4 16.93 dBV/m	Grid 9 M4 16.74 dBV/m



0 dB = 21.26 V/m = 26.55 dBV/m

HAC-RF Emission

Communication System: UID 10077 - CAB, IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 54 Mbps); Frequency: 2462 MHz; Duty Cycle: 1:12.5893

Phantom section: RF Section

DASY5 Configuration:

- Probe: EF3DV3 - SN4028; ConvF(1, 1, 1); Calibrated: 7/24/2017;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1472; Calibrated: 3/8/2018
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.8 (7);SEMCAD X Version 14.6.10 (7164)

802.11g_ANT 1 E-Field measurement/IEEE 802.11g_OFDM 54 Mbps_ch 11/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 = 10.32 V/m; Power Drift = 0.05 dB

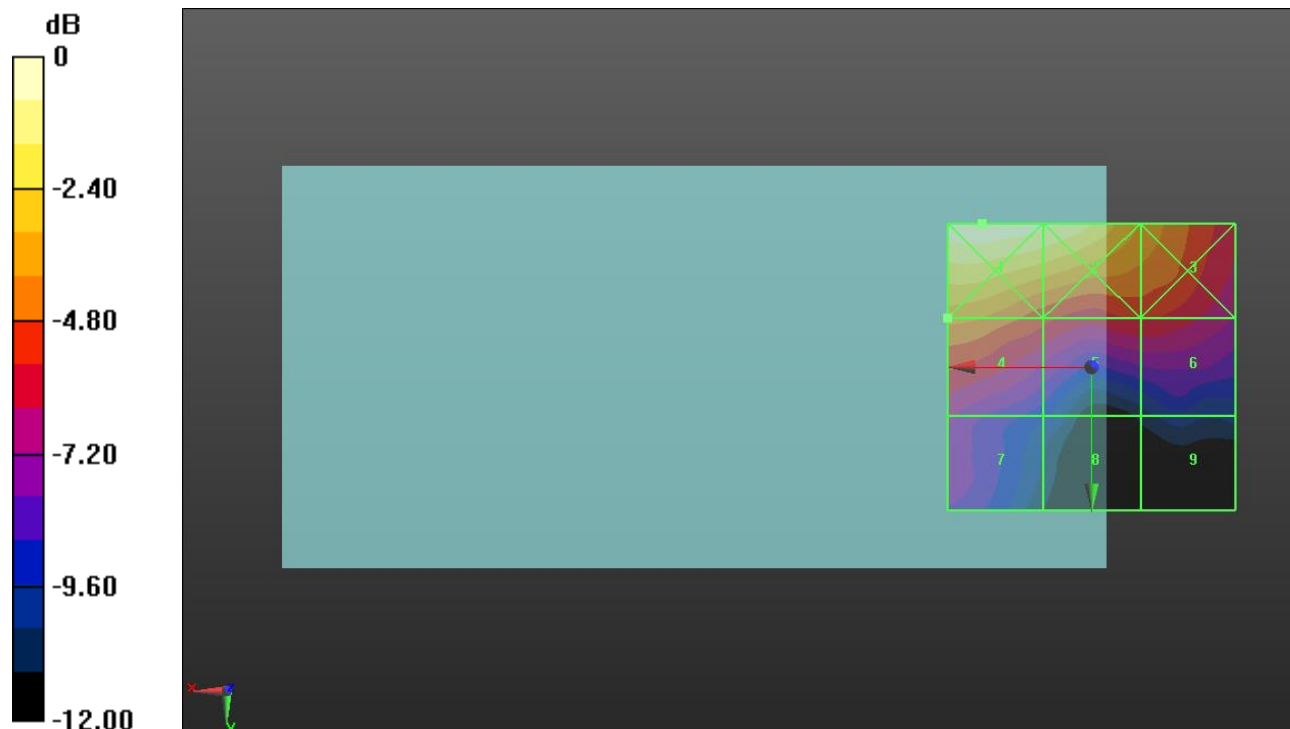
Applied MIF = 0.12 dB

RF audio interference level = 22.87 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 26.55 dBV/m	Grid 2 M4 26.04 dBV/m	Grid 3 M4 23.32 dBV/m
Grid 4 M4 22.87 dBV/m	Grid 5 M4 21.28 dBV/m	Grid 6 M4 21.05 dBV/m
Grid 7 M4 19.59 dBV/m	Grid 8 M4 17.19 dBV/m	Grid 9 M4 16.68 dBV/m



0 dB = 21.27 V/m = 26.56 dBV/m

HAC-RF Emission

Communication System: UID 10077 - CAB, IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 54 Mbps); Frequency: 2412 MHz; Duty Cycle: 1:12.5893

Phantom section: RF Section

DASY5 Configuration:

- Probe: EF3DV3 - SN4028; ConvF(1, 1, 1); Calibrated: 7/24/2017;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1472; Calibrated: 3/8/2018
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.8 (7);SEMCAD X Version 14.6.10 (7164)

802.11g_ANT 2 E-Field measurement/IEEE 802.11g_OFDM 54 Mbps_ch 1/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 = 13.41 V/m; Power Drift = 0.09 dB

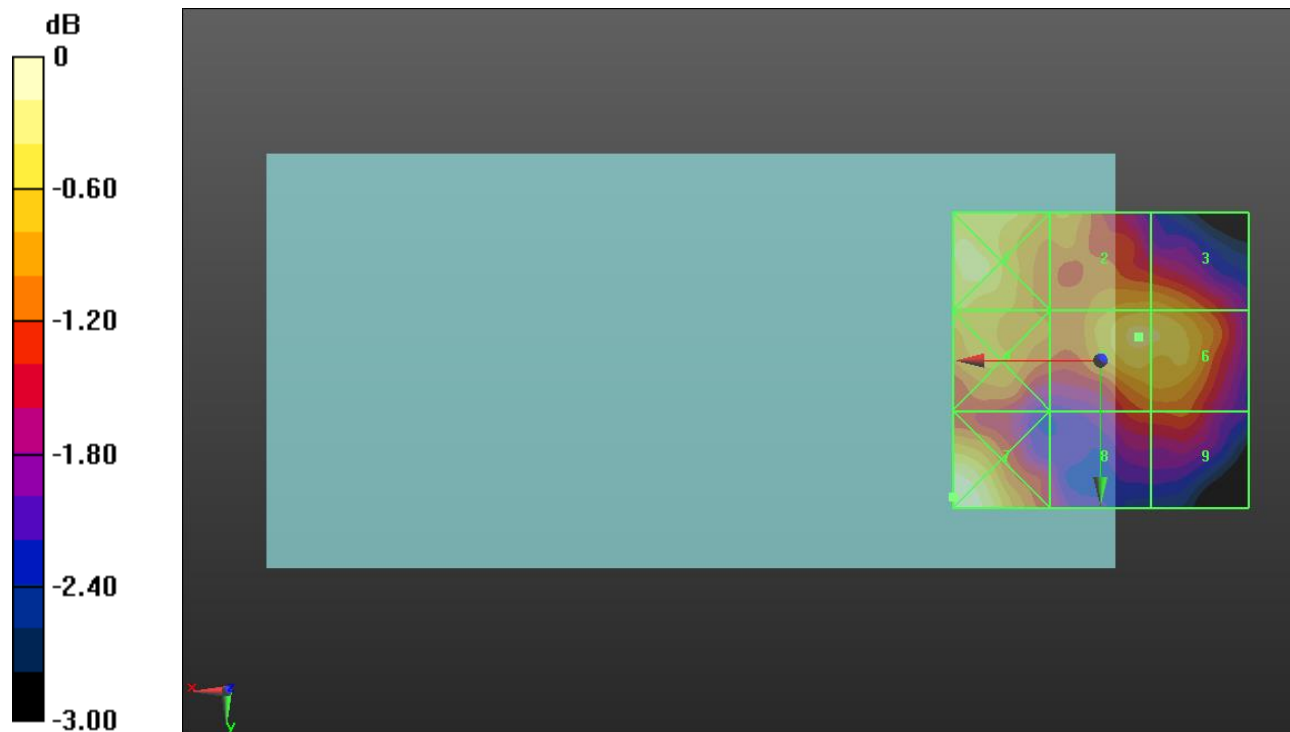
Applied MIF = 0.12 dB

RF audio interference level = 19.87 dBV/m

Emission category: **M4**

MIF scaled E-field

Grid 1 M4 19.9 dBV/m	Grid 2 M4 19.58 dBV/m	Grid 3 M4 19.58 dBV/m
Grid 4 M4 19.6 dBV/m	Grid 5 M4 19.87 dBV/m	Grid 6 M4 19.85 dBV/m
Grid 7 M4 20.22 dBV/m	Grid 8 M4 19.03 dBV/m	Grid 9 M4 19.09 dBV/m



0 dB = 10.25 V/m = 20.21 dBV/m

HAC-RF Emission

Communication System: UID 10077 - CAB, IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 54 Mbps); Frequency: 2437 MHz; Duty Cycle: 1:12.5893

Phantom section: RF Section

DASY5 Configuration:

- Probe: EF3DV3 - SN4028; ConvF(1, 1, 1); Calibrated: 7/24/2017;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1472; Calibrated: 3/8/2018
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.8 (7);SEMCAD X Version 14.6.10 (7164)

802.11g_ANT 2 E-Field measurement/IEEE 802.11g_OFDM 54 Mbps_ch 6/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 = 16.85 V/m; Power Drift = 0.03 dB

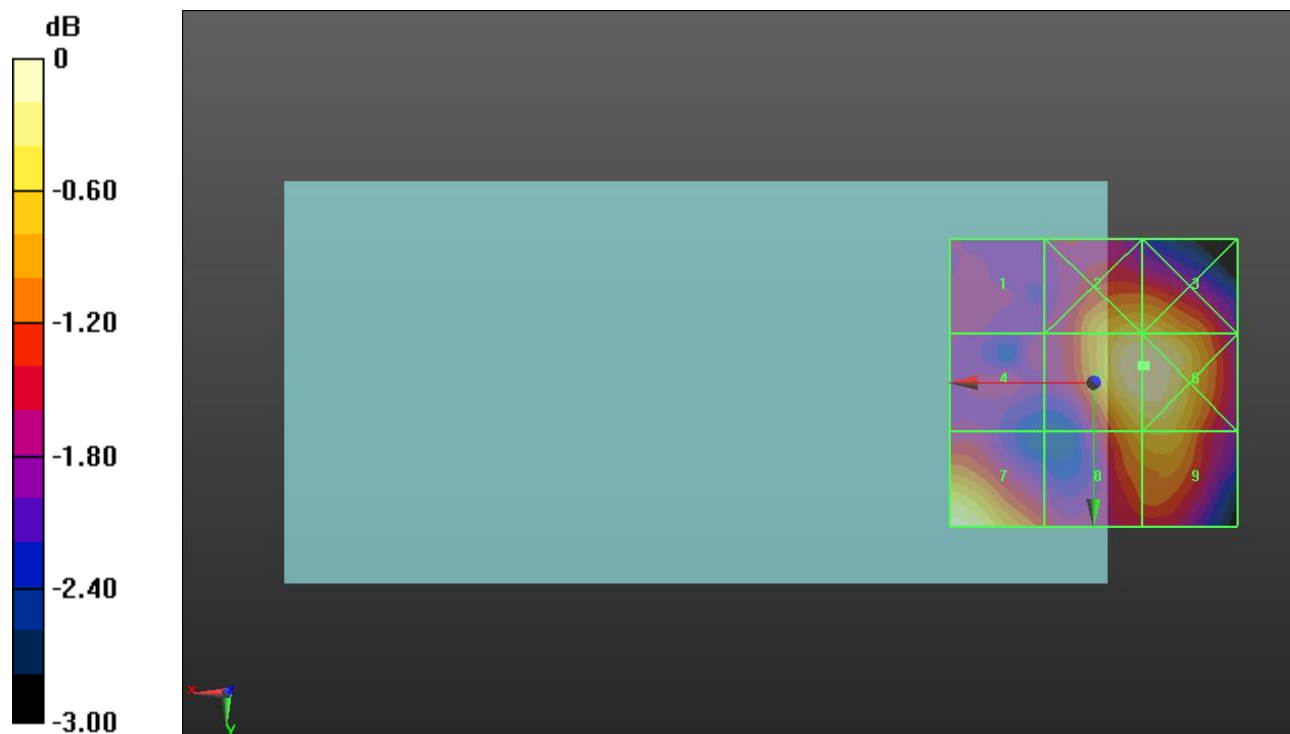
Applied MIF = 0.12 dB

RF audio interference level = 22.20 dBV/m

Emission category: **M4**

MIF scaled E-field

Grid 1 M4 20.51 dBV/m	Grid 2 M4 21.82 dBV/m	Grid 3 M4 21.82 dBV/m
Grid 4 M4 20.6 dBV/m	Grid 5 M4 22.2 dBV/m	Grid 6 M4 22.2 dBV/m
Grid 7 M4 22.08 dBV/m	Grid 8 M4 21.57 dBV/m	Grid 9 M4 21.66 dBV/m



0 dB = 12.88 V/m = 22.20 dBV/m

HAC-RF Emission

Communication System: UID 10077 - CAB, IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 54 Mbps); Frequency: 2462 MHz; Duty Cycle: 1:12.5893

Phantom section: RF Section

DASY5 Configuration:

- Probe: EF3DV3 - SN4028; ConvF(1, 1, 1); Calibrated: 7/24/2017;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1472; Calibrated: 3/8/2018
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.8 (7);SEMCAD X Version 14.6.10 (7164)

802.11g_ANT 2 E-Field measurement/IEEE 802.11g_OFDM 54 Mbps_ch 11/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 = 15.27 V/m; Power Drift = 0.18 dB

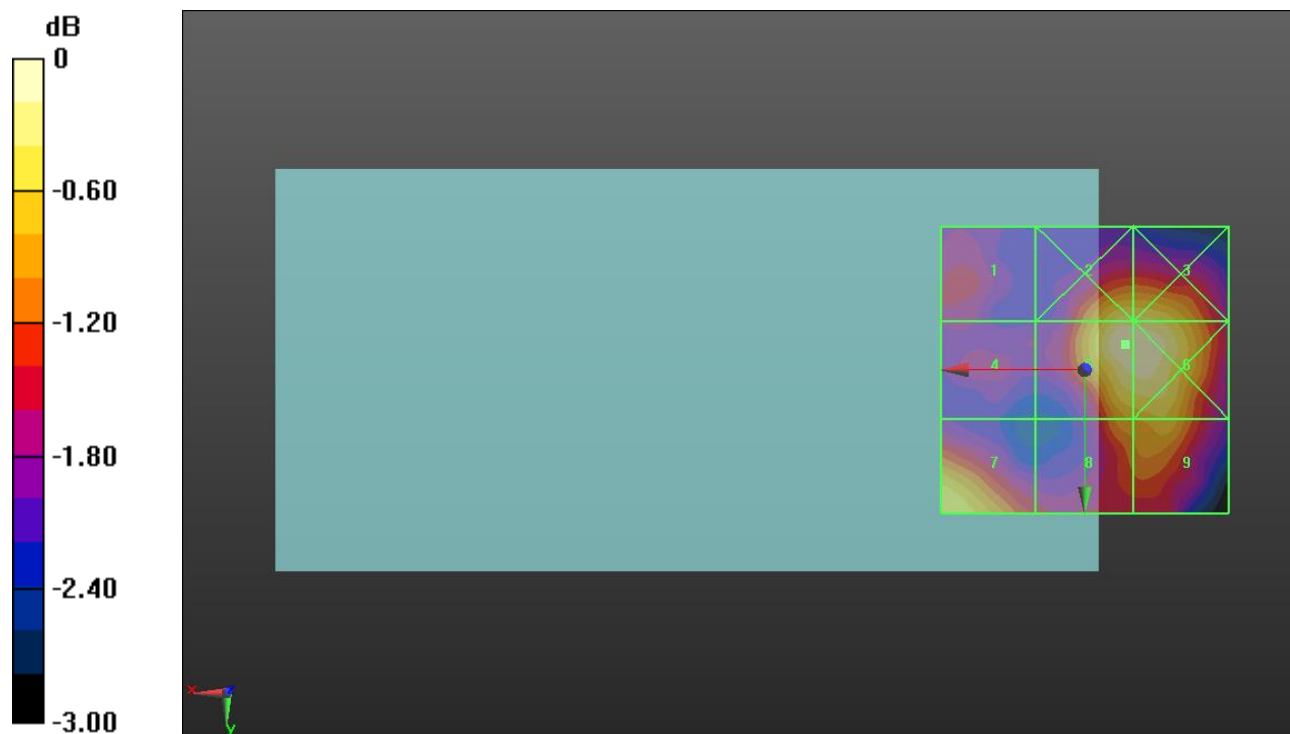
Applied MIF = 0.12 dB

RF audio interference level = 21.68 dBV/m

Emission category: **M4**

MIF scaled E-field

Grid 1 M4 20.2 dBV/m	Grid 2 M4 21.4 dBV/m	Grid 3 M4 21.4 dBV/m
Grid 4 M4 19.99 dBV/m	Grid 5 M4 21.68 dBV/m	Grid 6 M4 21.65 dBV/m
Grid 7 M4 21.28 dBV/m	Grid 8 M4 20.89 dBV/m	Grid 9 M4 21.07 dBV/m



0 dB = 12.13 V/m = 21.68 dBV/m

HAC-RF Emission

Communication System: UID 10030 - CAA, IEEE 802.15.1 Bluetooth (GFSK, DH1); Frequency: 2402 MHz; Duty Cycle: 1:3.38844

Phantom section: RF Section

DASY5 Configuration:

- Probe: EF3DV3 - SN4028; ConvF(1, 1, 1); Calibrated: 7/24/2017;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1472; Calibrated: 3/8/2018
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.8 (7);SEMCAD X Version 14.6.10 (7164)

Bluetooth_ANT 1 E-Field measurement/IEEE 802.15.1_GFSK DH1_ch 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 = 9.431 V/m; Power Drift = 0.01 dB

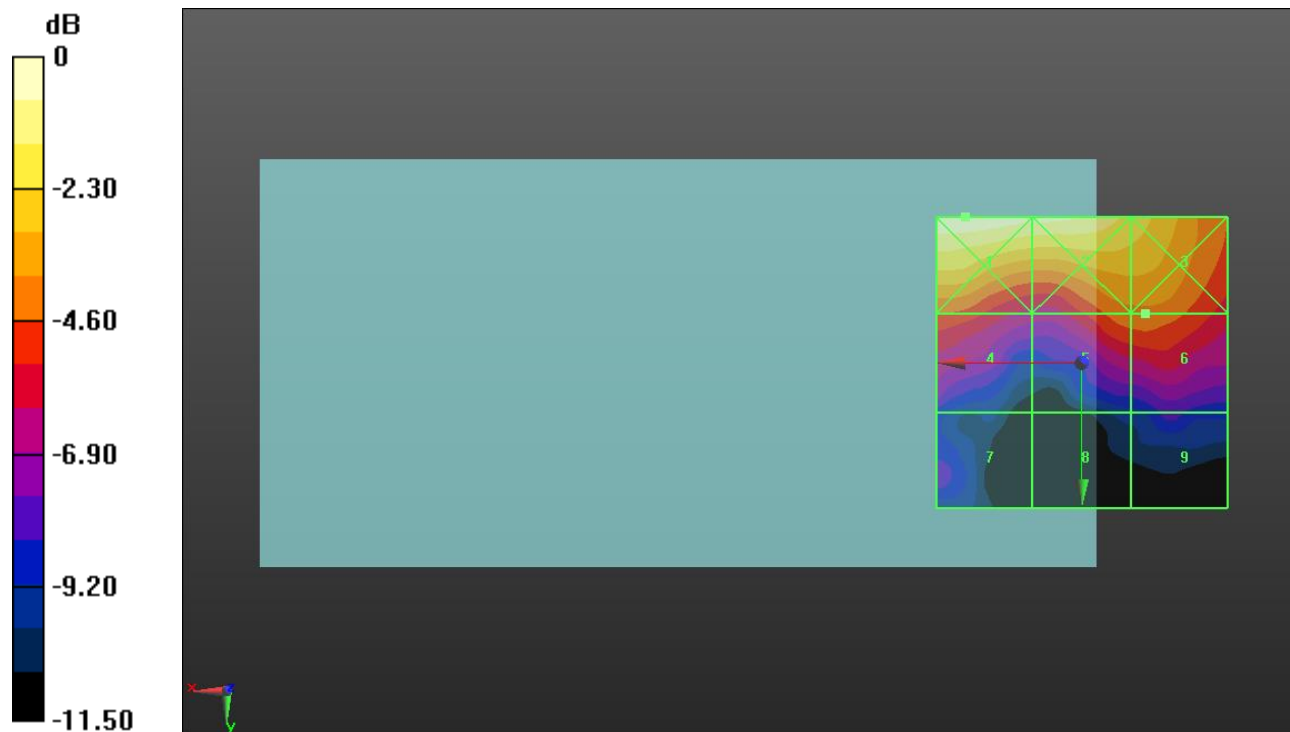
Applied MIF = 1.02 dB

RF audio interference level = 21.88 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 25.91 dBV/m	Grid 2 M4 25.45 dBV/m	Grid 3 M4 24.13 dBV/m
Grid 4 M4 21.36 dBV/m	Grid 5 M4 21.85 dBV/m	Grid 6 M4 21.88 dBV/m
Grid 7 M4 18.17 dBV/m	Grid 8 M4 16.53 dBV/m	Grid 9 M4 17.83 dBV/m



0 dB = 19.75 V/m = 25.91 dBV/m

HAC-RF Emission

Communication System: UID 10030 - CAA, IEEE 802.15.1 Bluetooth (GFSK, DH1); Frequency: 2441 MHz; Duty Cycle: 1:3.38844

Phantom section: RF Section

DASY5 Configuration:

- Probe: EF3DV3 - SN4028; ConvF(1, 1, 1); Calibrated: 7/24/2017;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1472; Calibrated: 3/8/2018
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.8 (7);SEMCAD X Version 14.6.10 (7164)

Bluetooth_ANT 1 E-Field measurement/IEEE 802.15.1_GFSK DH1_ch 39/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 = 10.01 V/m; Power Drift = 0.11 dB

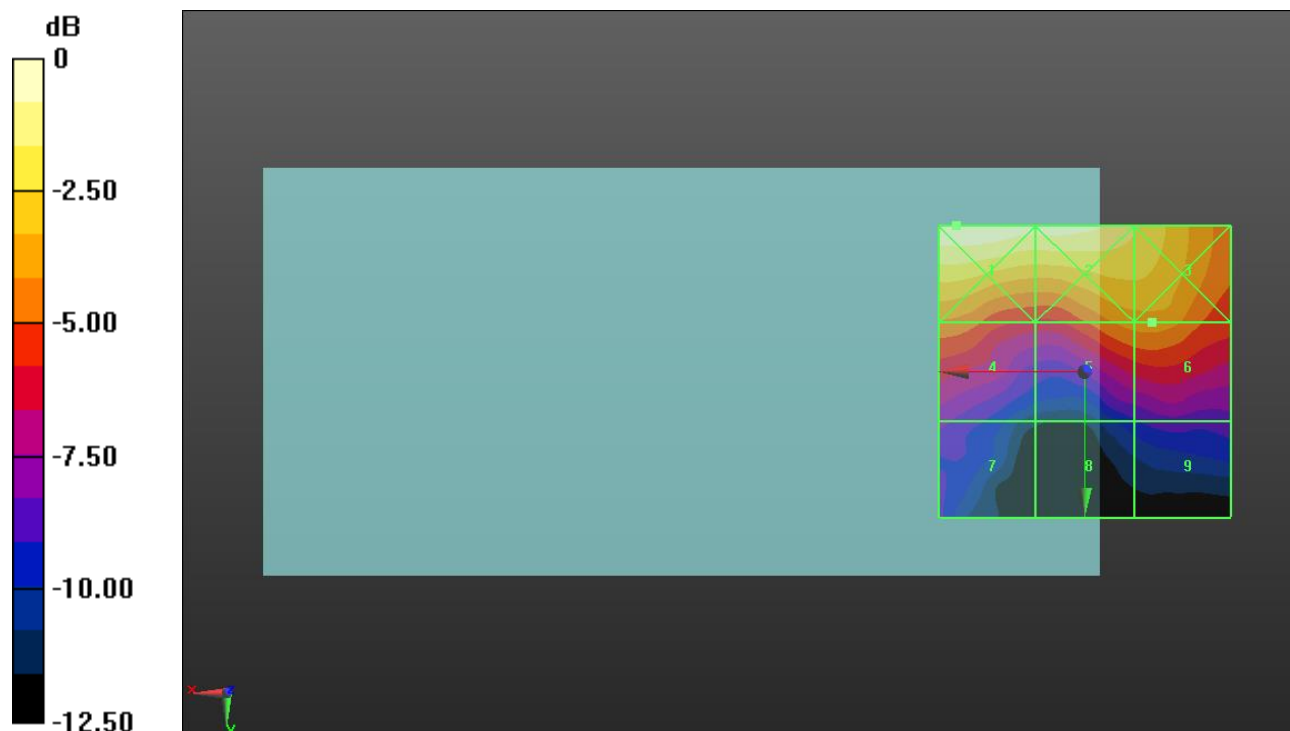
Applied MIF = 1.02 dB

RF audio interference level = 23.00 dBV/m

Emission category: **M4**

MIF scaled E-field

Grid 1 M4 26.72 dBV/m	Grid 2 M4 26.38 dBV/m	Grid 3 M4 25.18 dBV/m
Grid 4 M4 22.46 dBV/m	Grid 5 M4 22.93 dBV/m	Grid 6 M4 23 dBV/m
Grid 7 M4 18.69 dBV/m	Grid 8 M4 17.47 dBV/m	Grid 9 M4 18.14 dBV/m



0 dB = 21.68 V/m = 26.72 dBV/m

HAC-RF Emission

Communication System: UID 10030 - CAA, IEEE 802.15.1 Bluetooth (GFSK, DH1); Frequency: 2480 MHz; Duty Cycle: 1:3.38844

Phantom section: RF Section

DASY5 Configuration:

- Probe: EF3DV3 - SN4028; ConvF(1, 1, 1); Calibrated: 7/24/2017;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1472; Calibrated: 3/8/2018
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.8 (7);SEMCAD X Version 14.6.10 (7164)

Bluetooth_ANT 1 E-Field measurement/IEEE 802.15.1_GFSK DH1_ch 78/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 = 9.602 V/m; Power Drift = -0.36 dB

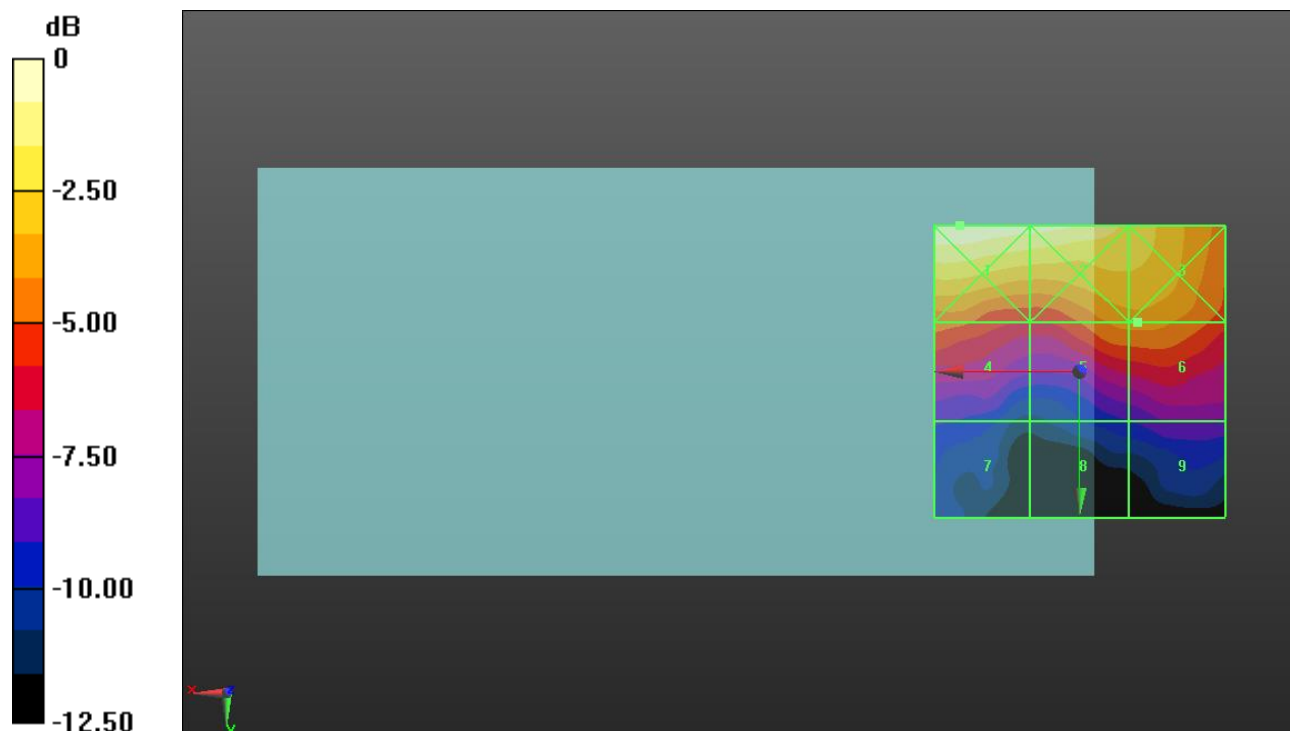
Applied MIF = 1.02 dB

RF audio interference level = 22.65 dBV/m

Emission category: **M4**

MIF scaled E-field

Grid 1 M4 26.43 dBV/m	Grid 2 M4 25.96 dBV/m	Grid 3 M4 24.53 dBV/m
Grid 4 M4 21.79 dBV/m	Grid 5 M4 22.62 dBV/m	Grid 6 M4 22.65 dBV/m
Grid 7 M4 17.46 dBV/m	Grid 8 M4 17.28 dBV/m	Grid 9 M4 18.2 dBV/m



0 dB = 20.95 V/m = 26.42 dBV/m