

HAC-RF Emission UAT

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: ER3DV6 - SN2509; ConvF(1, 1, 1); Calibrated: 5/12/2017;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1377; Calibrated: 9/14/2016
- 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 = 42.97 V/m; Power Drift = -0.09 dB

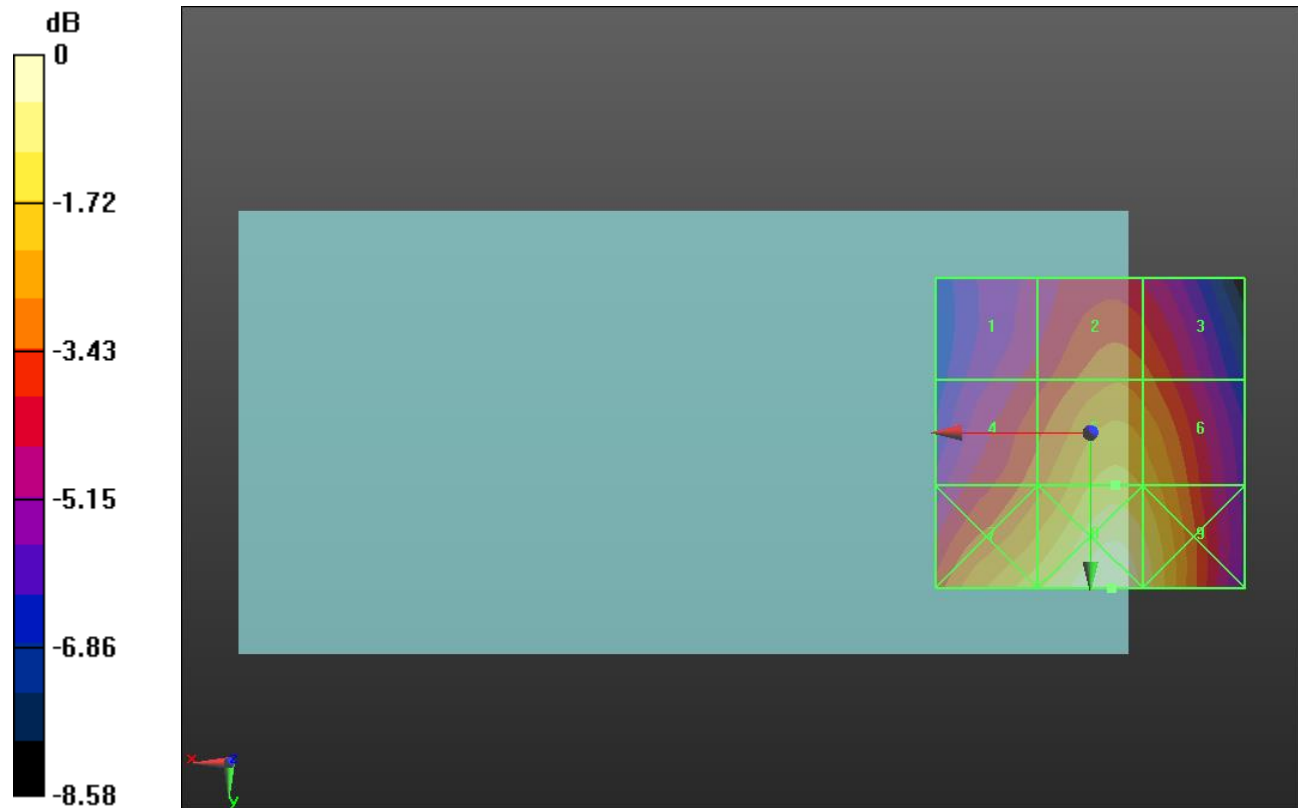
Applied MIF = 3.63 dB

RF audio interference level = 34.17 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 31.37 dBV/m	Grid 2 M4 32.71 dBV/m	Grid 3 M4 32.43 dBV/m
Grid 4 M4 32.57 dBV/m	Grid 5 M4 34.17 dBV/m	Grid 6 M4 33.81 dBV/m
Grid 7 M4 34.37 dBV/m	Grid 8 M4 35.59 dBV/m	Grid 9 M4 34.85 dBV/m



0 dB = 60.19 V/m = 35.59 dBV/m

HAC-RF Emission UAT

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: ER3DV6 - SN2509; ConvF(1, 1, 1); Calibrated: 5/12/2017;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1377; Calibrated: 9/14/2016
- 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 = 42.60 V/m; Power Drift = -0.04 dB

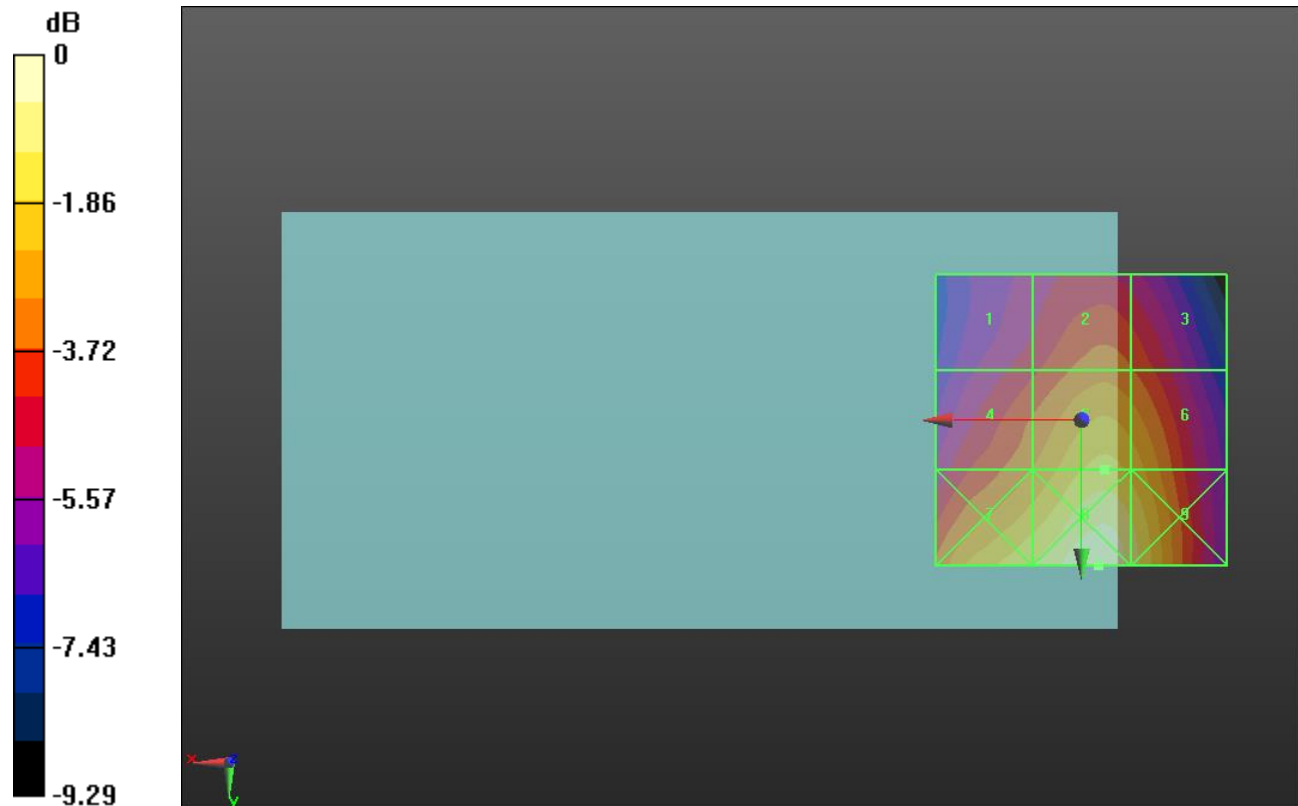
Applied MIF = 3.63 dB

RF audio interference level = 34.16 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 31.29 dBV/m	Grid 2 M4 32.49 dBV/m	Grid 3 M4 32.13 dBV/m
Grid 4 M4 32.7 dBV/m	Grid 5 M4 34.16 dBV/m	Grid 6 M4 33.72 dBV/m
Grid 7 M4 34.56 dBV/m	Grid 8 M4 35.75 dBV/m	Grid 9 M4 34.9 dBV/m



0 dB = 61.32 V/m = 35.75 dBV/m

HAC-RF Emission UAT

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: ER3DV6 - SN2509; ConvF(1, 1, 1); Calibrated: 5/12/2017;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1377; Calibrated: 9/14/2016
- 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 = 39.42 V/m; Power Drift = -0.03 dB

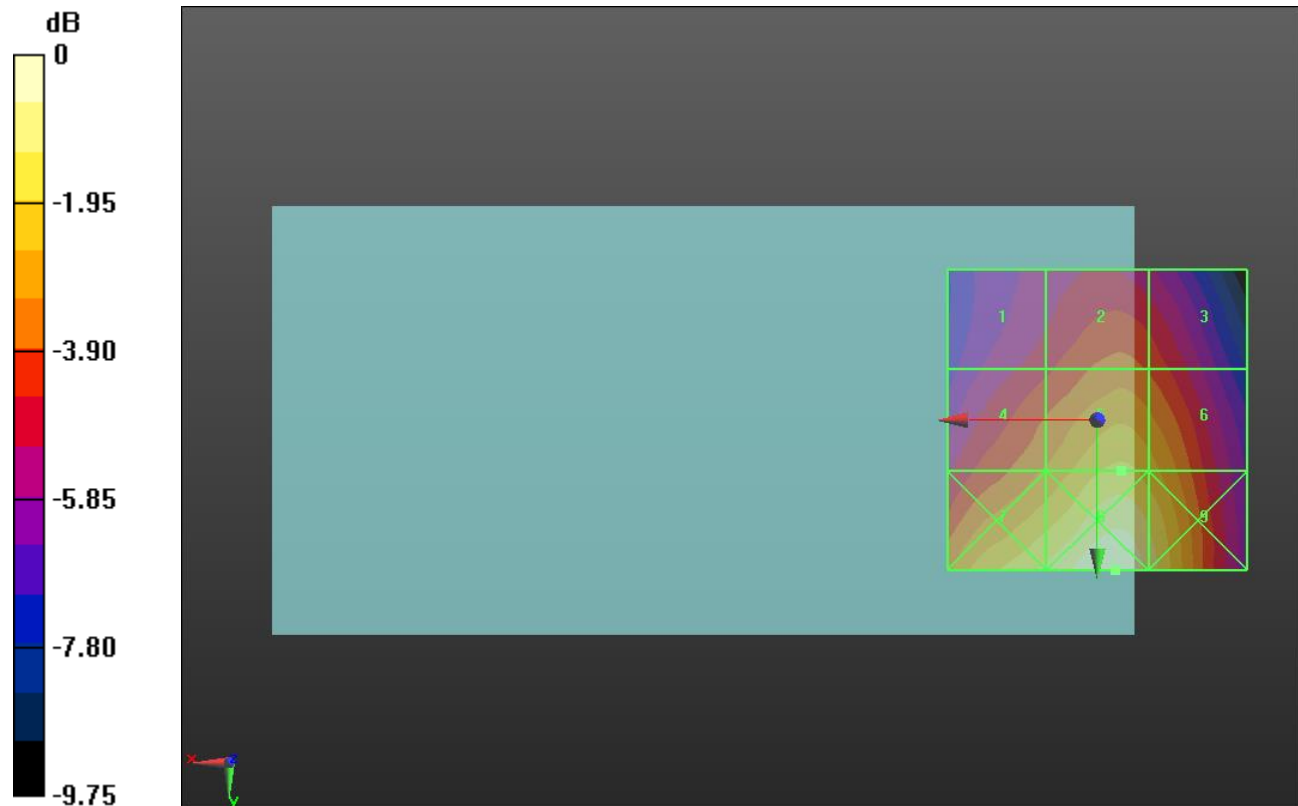
Applied MIF = 3.63 dB

RF audio interference level = 33.60 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 30.68 dBV/m	Grid 2 M4 31.75 dBV/m	Grid 3 M4 31.39 dBV/m
Grid 4 M4 32.23 dBV/m	Grid 5 M4 33.6 dBV/m	Grid 6 M4 33.13 dBV/m
Grid 7 M4 34.24 dBV/m	Grid 8 M4 35.35 dBV/m	Grid 9 M4 34.5 dBV/m



0 dB = 58.57 V/m = 35.35 dBV/m

HAC-RF Emission UAT

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: ER3DV6 - SN2509; ConvF(1, 1, 1); Calibrated: 5/12/2017;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1377; Calibrated: 9/14/2016
- 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 = 13.99 V/m; Power Drift = 0.26 dB

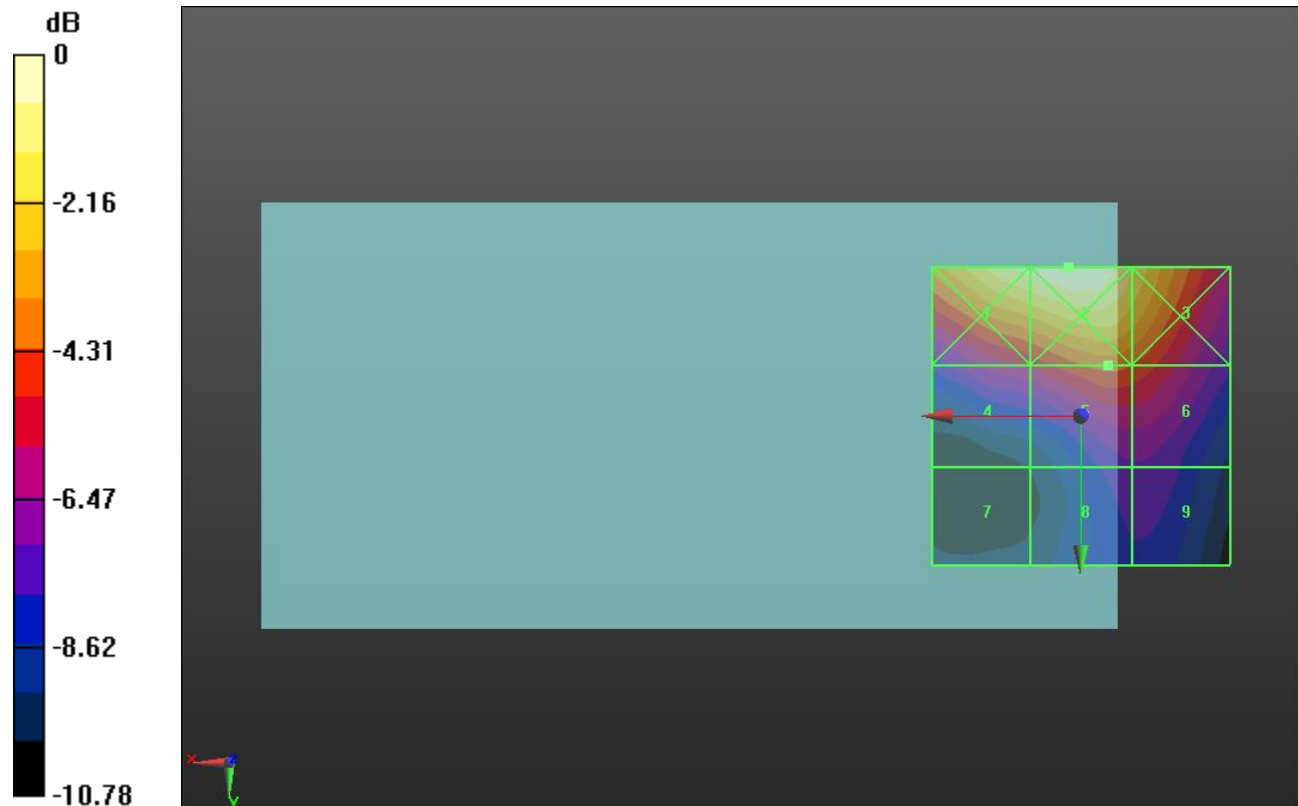
Applied MIF = 3.63 dB

RF audio interference level = 27.39 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M3 31.08 dBV/m	Grid 2 M3 31.4 dBV/m	Grid 3 M3 30.02 dBV/m
Grid 4 M4 25.83 dBV/m	Grid 5 M4 27.39 dBV/m	Grid 6 M4 27.11 dBV/m
Grid 7 M4 21.92 dBV/m	Grid 8 M4 24.12 dBV/m	Grid 9 M4 24.15 dBV/m



0 dB = 37.15 V/m = 31.40 dBV/m

HAC-RF Emission UAT

Communication System: UID 10021 - DAC, GSM-FDD (TDMA, GMSK); Frequency: 1880 MHz; Duty Cycle: 1:8.6896

Phantom section: RF Section

DASY5 Configuration:

- Probe: ER3DV6 - SN2509; ConvF(1, 1, 1); Calibrated: 5/12/2017;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1377; Calibrated: 9/14/2016
- 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 = 14.42 V/m; Power Drift = -0.03 dB

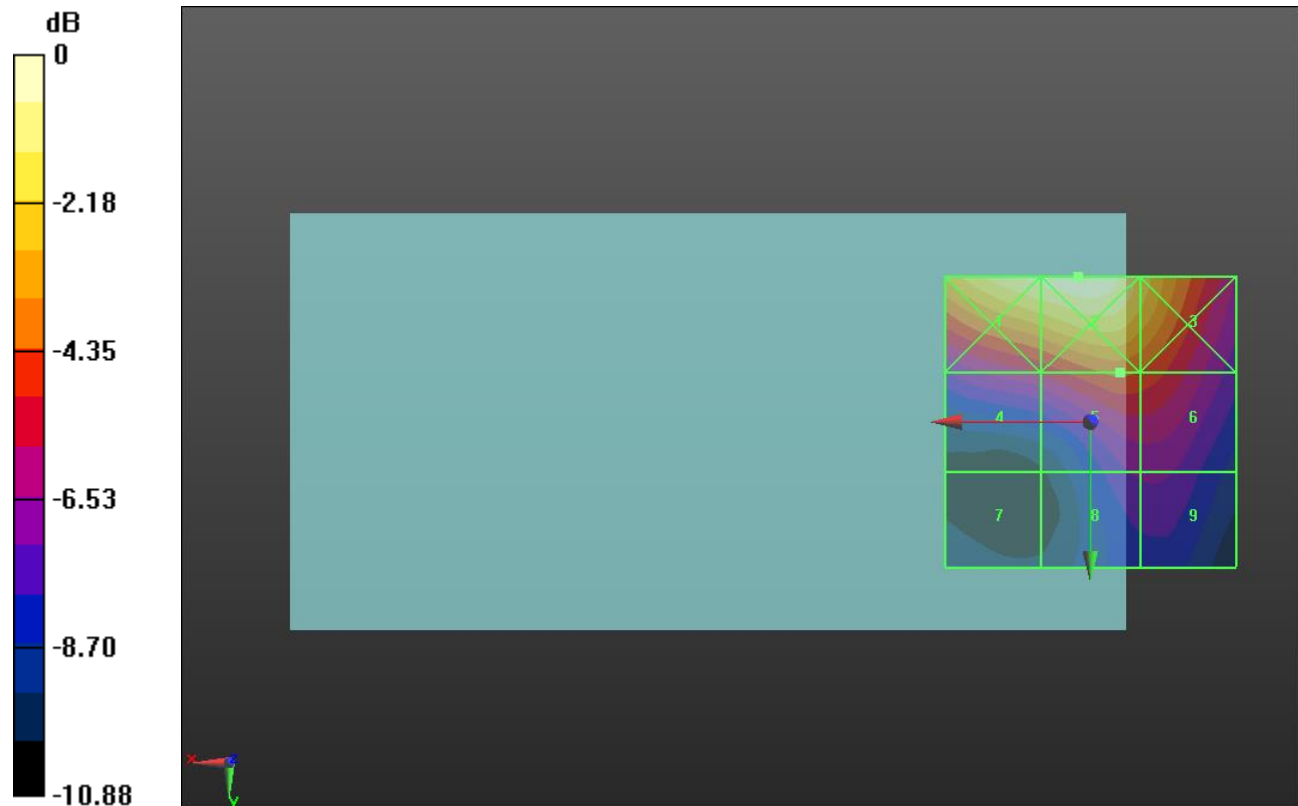
Applied MIF = 3.63 dB

RF audio interference level = 27.21 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M3 31.06 dBV/m	Grid 2 M3 31.38 dBV/m	Grid 3 M4 29.77 dBV/m
Grid 4 M4 25.72 dBV/m	Grid 5 M4 27.21 dBV/m	Grid 6 M4 26.98 dBV/m
Grid 7 M4 22.06 dBV/m	Grid 8 M4 24.31 dBV/m	Grid 9 M4 24.36 dBV/m



0 dB = 37.06 V/m = 31.38 dBV/m

HAC-RF Emission UAT

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: ER3DV6 - SN2509; ConvF(1, 1, 1); Calibrated: 5/12/2017;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1377; Calibrated: 9/14/2016
- 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 = 14.62 V/m; Power Drift = -0.06 dB

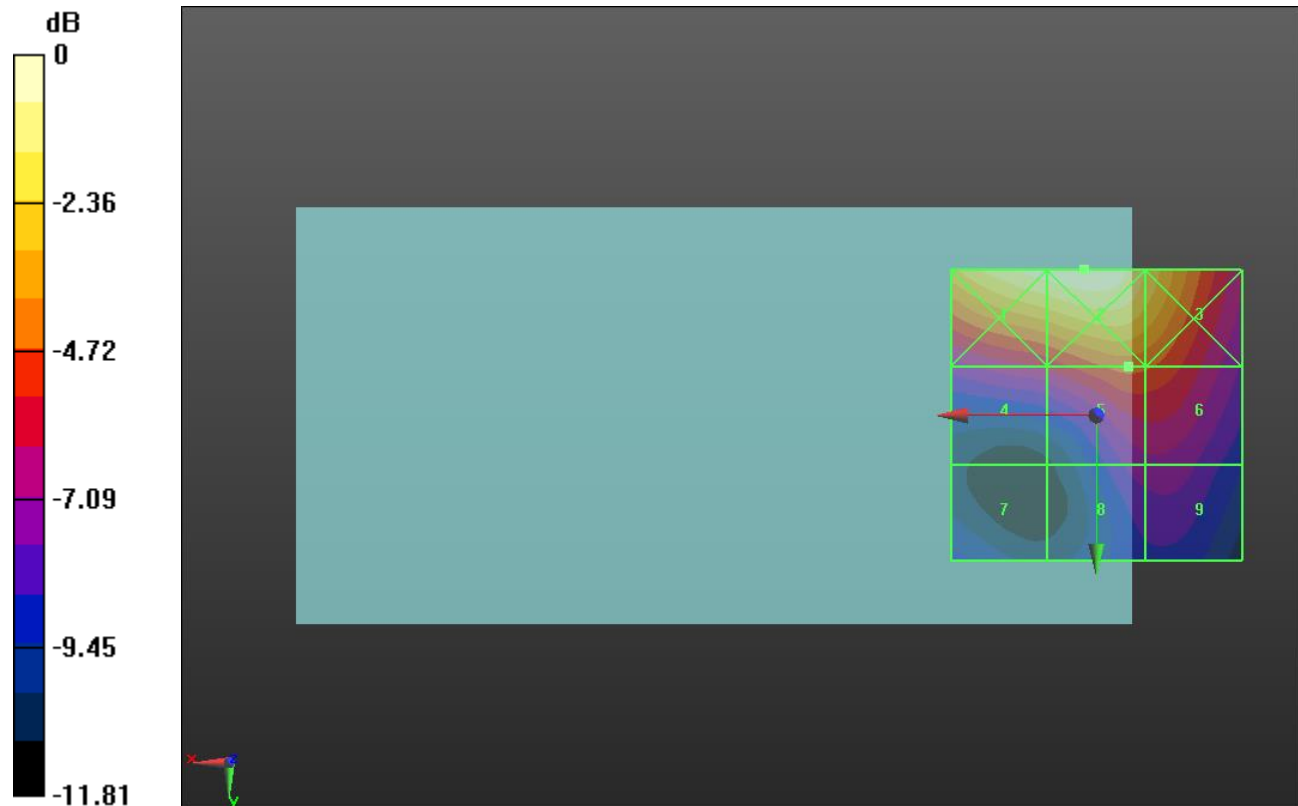
Applied MIF = 3.63 dB

RF audio interference level = 27.18 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M3 31.3 dBV/m	Grid 2 M3 31.56 dBV/m	Grid 3 M4 29.95 dBV/m
Grid 4 M4 25.5 dBV/m	Grid 5 M4 27.18 dBV/m	Grid 6 M4 27.01 dBV/m
Grid 7 M4 22.47 dBV/m	Grid 8 M4 24.21 dBV/m	Grid 9 M4 24.29 dBV/m



0 dB = 37.83 V/m = 31.56 dBV/m

HAC-RF Emission UAT

Communication System: UID 10295 - AAB, CDMA2000, RC1, SO3, 1/8th Rate 25 fr.; Frequency: 824.7 MHz; Duty Cycle: 1:17.7419

Phantom section: RF Section

DASY5 Configuration:

- Probe: ER3DV6 - SN2509; ConvF(1, 1, 1); Calibrated: 5/12/2017;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1377; Calibrated: 9/14/2016
- 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)

CDMA BC0 E-Field measurement/RC1_SO3_Ch 1013/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 = 31.87 V/m; Power Drift = -0.08 dB

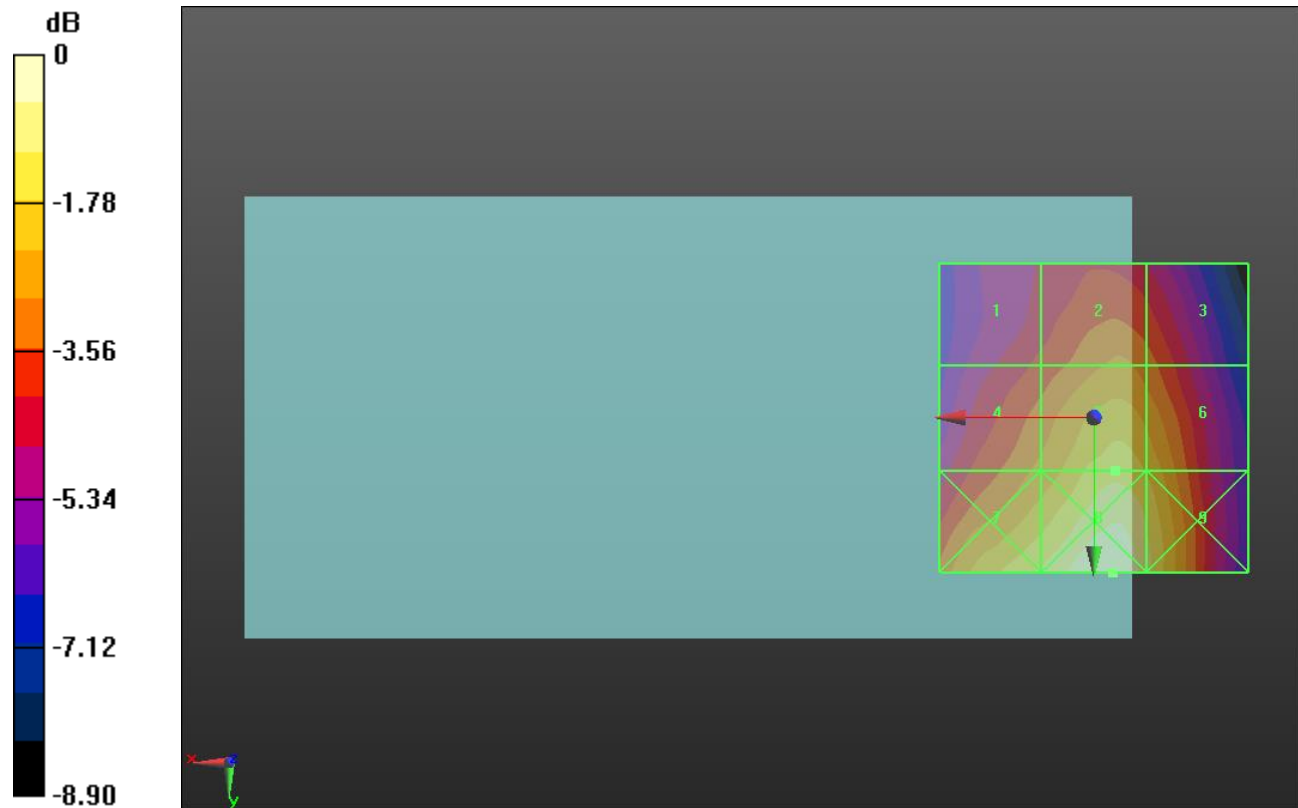
Applied MIF = 3.26 dB

RF audio interference level = 31.13 dBV/m

Emission category: **M4**

MIF scaled E-field

Grid 1 M4 28.55 dBV/m	Grid 2 M4 29.66 dBV/m	Grid 3 M4 29.26 dBV/m
Grid 4 M4 29.74 dBV/m	Grid 5 M4 31.13 dBV/m	Grid 6 M4 30.67 dBV/m
Grid 7 M4 31.45 dBV/m	Grid 8 M4 32.5 dBV/m	Grid 9 M4 31.55 dBV/m



0 dB = 42.15 V/m = 32.50 dBV/m

HAC-RF Emission UAT

Communication System: UID 10295 - AAB, CDMA2000, RC1, SO3, 1/8th Rate 25 fr.; Frequency: 836.60 MHz; Duty Cycle: 1:17.7419

Phantom section: RF Section

DASY5 Configuration:

- Probe: ER3DV6 - SN2509; ConvF(1, 1, 1); Calibrated: 5/12/2017;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1377; Calibrated: 9/14/2016
- 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)

CDMA BC0 E-Field measurement/RC1_SO3_Ch 384/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 = 30.31 V/m; Power Drift = -0.01 dB

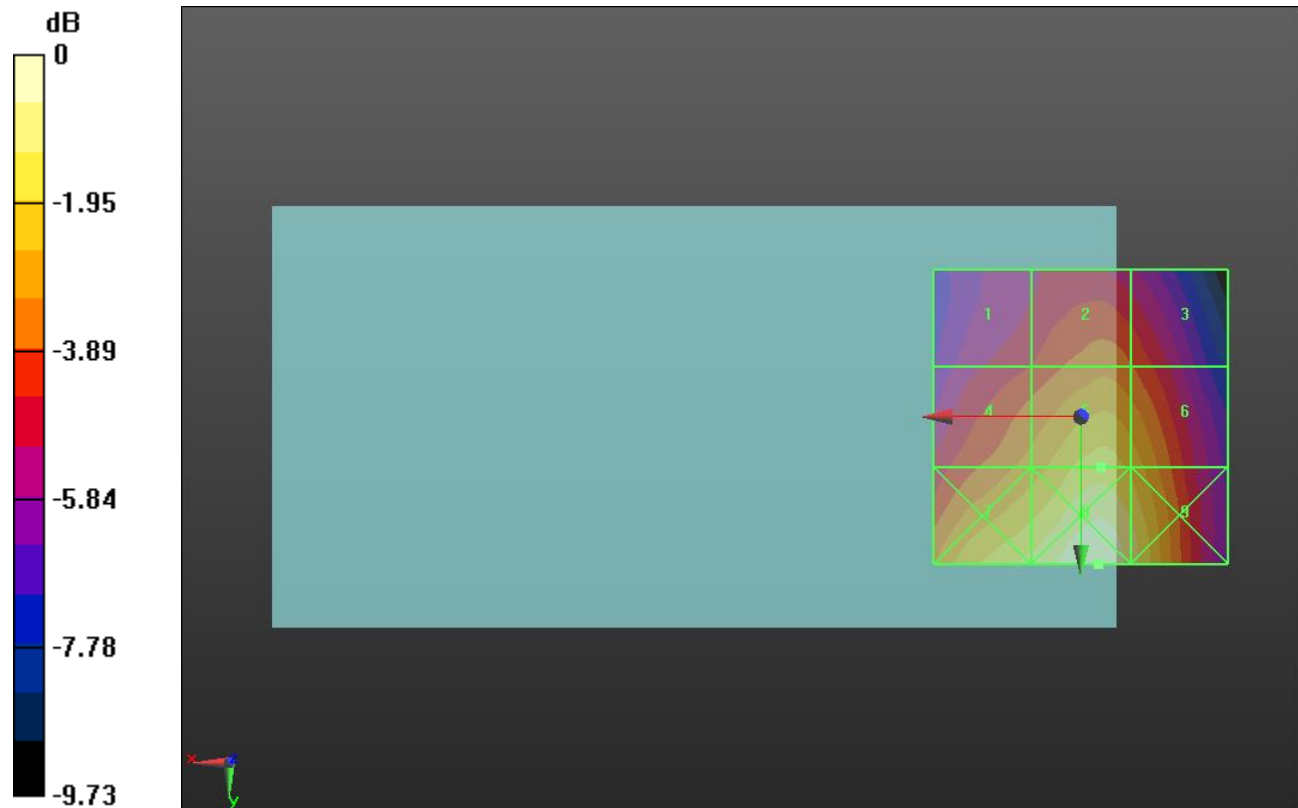
Applied MIF = 3.26 dB

RF audio interference level = 30.84 dBV/m

Emission category: **M4**

MIF scaled E-field

Grid 1 M4 27.95 dBV/m	Grid 2 M4 29.08 dBV/m	Grid 3 M4 28.62 dBV/m
Grid 4 M4 29.52 dBV/m	Grid 5 M4 30.84 dBV/m	Grid 6 M4 30.32 dBV/m
Grid 7 M4 31.41 dBV/m	Grid 8 M4 32.44 dBV/m	Grid 9 M4 31.48 dBV/m



0 dB = 41.86 V/m = 32.44 dBV/m

HAC-RF Emission UAT

Communication System: UID 10295 - AAB, CDMA2000, RC1, SO3, 1/8th Rate 25 fr.; Frequency: 848.31 MHz; Duty Cycle: 1:17.7419

Phantom section: RF Section

DASY5 Configuration:

- Probe: ER3DV6 - SN2509; ConvF(1, 1, 1); Calibrated: 5/12/2017;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1377; Calibrated: 9/14/2016
- 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)

CDMA BC0 E-Field measurement/RC1_SO3_Ch 777/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 = 27.37 V/m; Power Drift = 0.07 dB

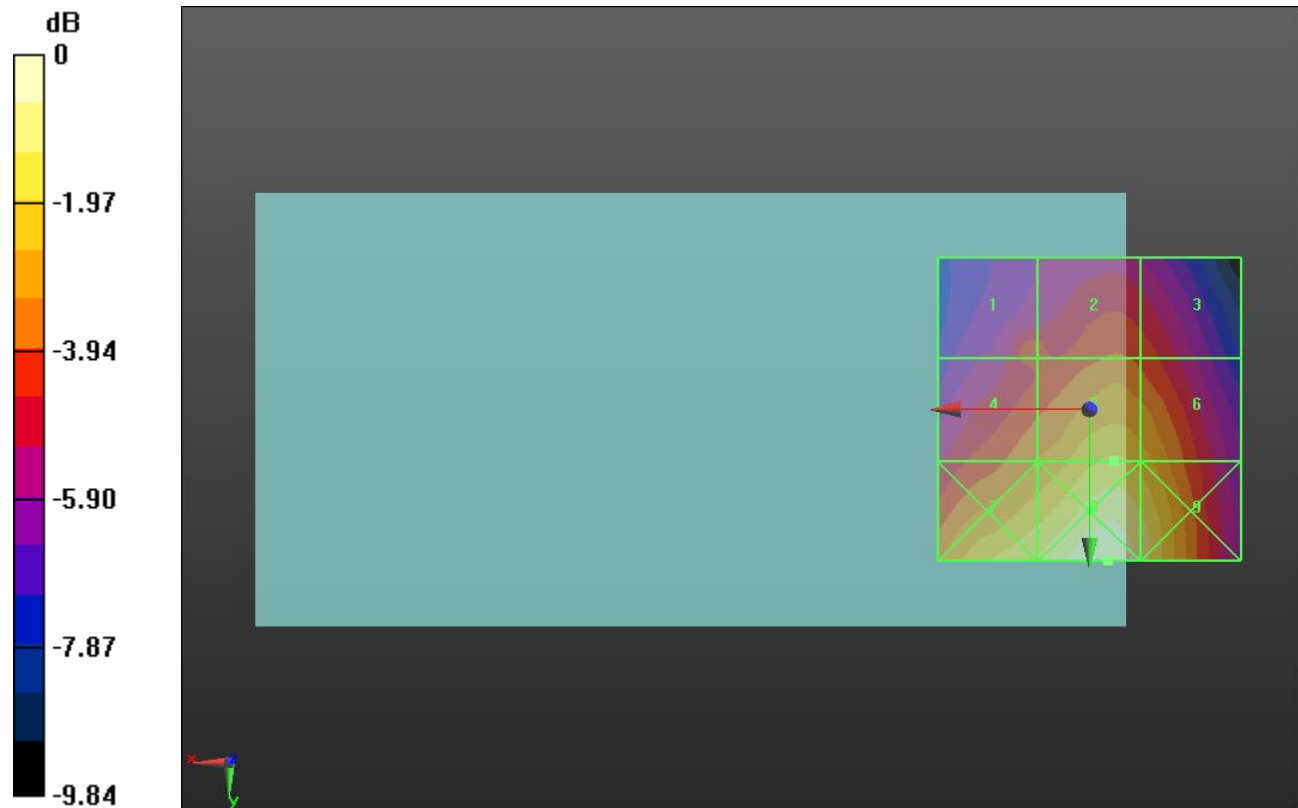
Applied MIF = 3.26 dB

RF audio interference level = 30.24 dBV/m

Emission category: **M4**

MIF scaled E-field

Grid 1 M4 27.89 dBV/m	Grid 2 M4 28.22 dBV/m	Grid 3 M4 27.95 dBV/m
Grid 4 M4 28.81 dBV/m	Grid 5 M4 30.24 dBV/m	Grid 6 M4 29.82 dBV/m
Grid 7 M4 30.87 dBV/m	Grid 8 M4 32.05 dBV/m	Grid 9 M4 31.11 dBV/m



0 dB = 40.06 V/m = 32.05 dBV/m

HAC-RF Emission UAT

Communication System: UID 10295 - AAB, CDMA2000, RC1, SO3, 1/8th Rate 25 fr.; Frequency: 1851.25 MHz; Duty Cycle: 1:17.7419

Phantom section: RF Section

DASY5 Configuration:

- Probe: ER3DV6 - SN2509; ConvF(1, 1, 1); Calibrated: 5/12/2017;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1377; Calibrated: 9/14/2016
- 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)

CDMA BC1 E-Field measurement/RC1_SO3_Ch 25/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 = 9.814 V/m; Power Drift = 0.01 dB

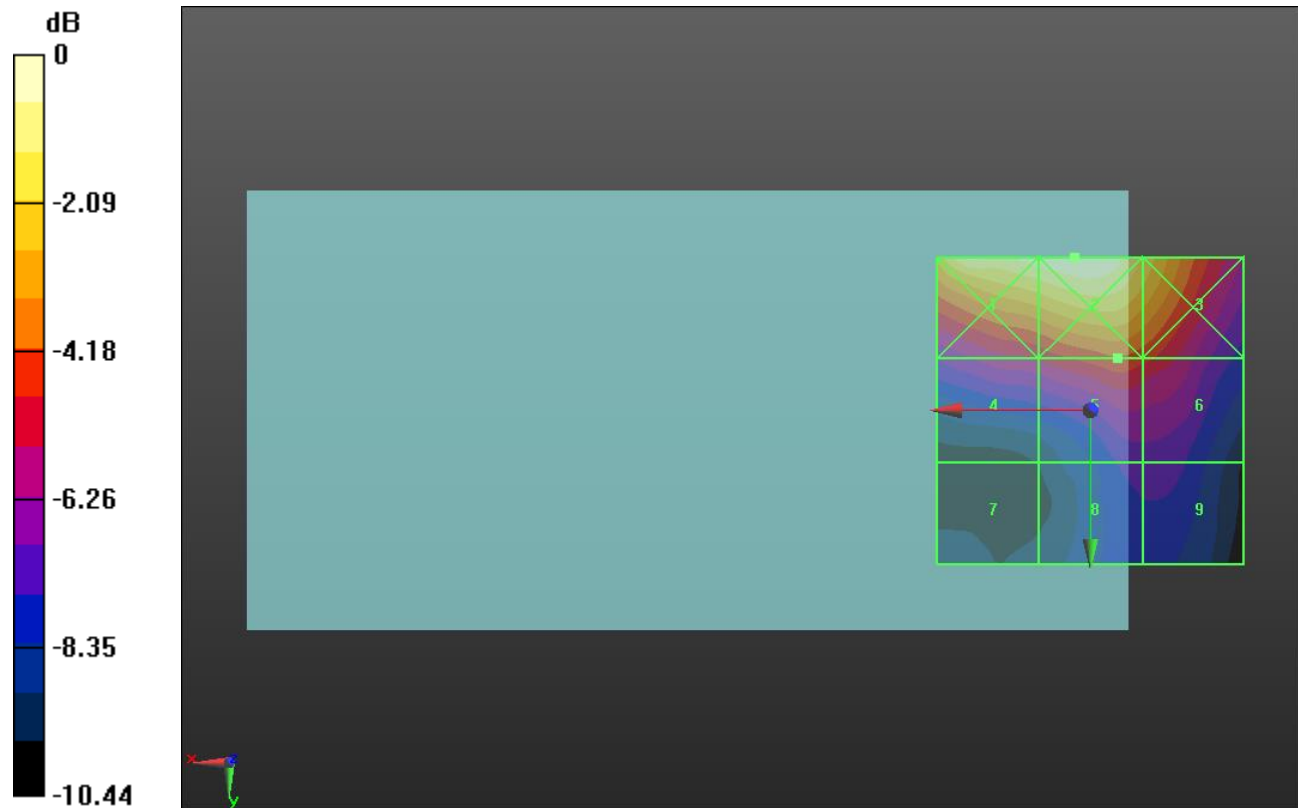
Applied MIF = 3.26 dB

RF audio interference level = 23.66 dBV/m

Emission category: **M4**

MIF scaled E-field

Grid 1 M4 27.67 dBV/m	Grid 2 M4 27.91 dBV/m	Grid 3 M4 26.42 dBV/m
Grid 4 M4 22.45 dBV/m	Grid 5 M4 23.66 dBV/m	Grid 6 M4 23.29 dBV/m
Grid 7 M4 18.67 dBV/m	Grid 8 M4 20.68 dBV/m	Grid 9 M4 20.7 dBV/m



0 dB = 24.85 V/m = 27.91 dBV/m

HAC-RF Emission UAT

Communication System: UID 10295 - AAB, CDMA2000, RC1, SO3, 1/8th Rate 25 fr.; Frequency: 1880 MHz; Duty Cycle: 1:17.7419

Phantom section: RF Section

DASY5 Configuration:

- Probe: ER3DV6 - SN2509; ConvF(1, 1, 1); Calibrated: 5/12/2017;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1377; Calibrated: 9/14/2016
- 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)

CDMA BC1 E-Field measurement/RC1_SO3_Ch 600/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 = 9.695 V/m; Power Drift = 0.06 dB

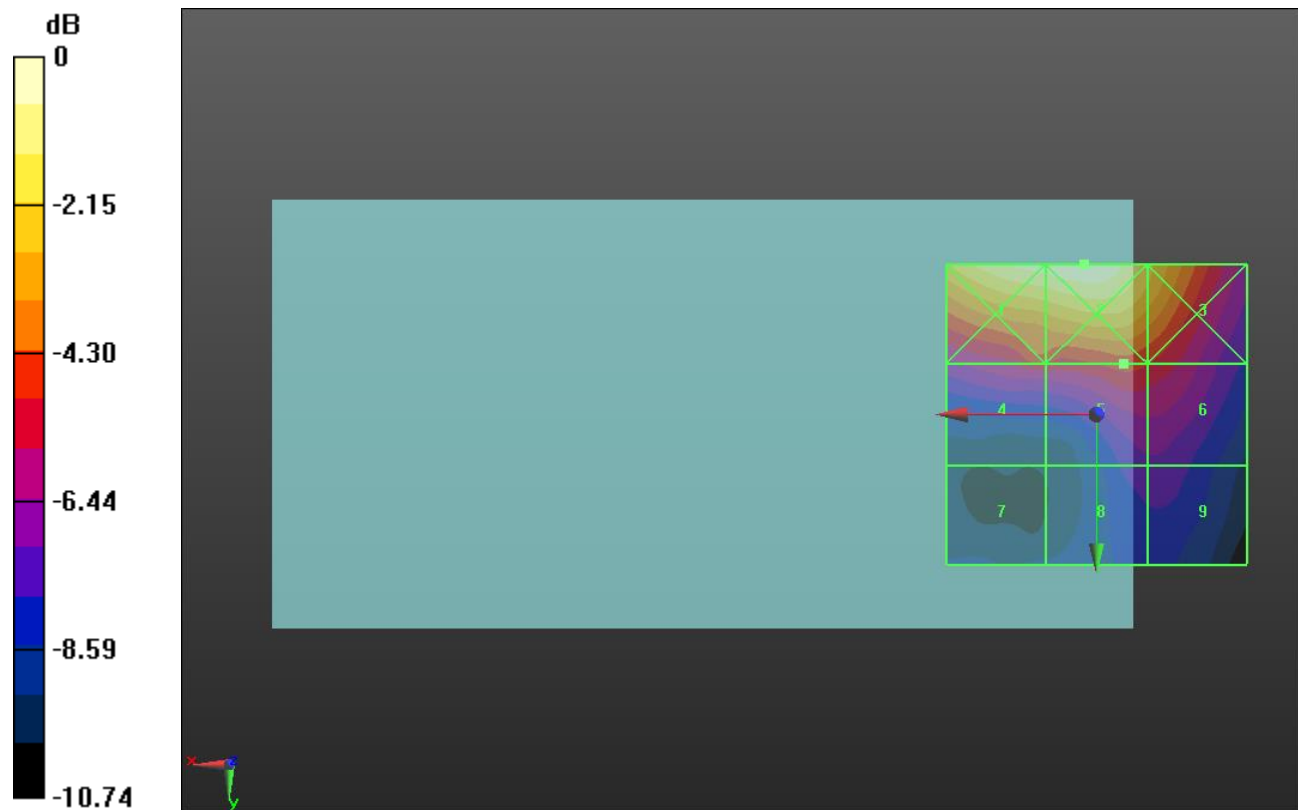
Applied MIF = 3.26 dB

RF audio interference level = 23.32 dBV/m

Emission category: **M4**

MIF scaled E-field

Grid 1 M4 27.68 dBV/m	Grid 2 M4 27.95 dBV/m	Grid 3 M4 26.13 dBV/m
Grid 4 M4 22.94 dBV/m	Grid 5 M4 23.32 dBV/m	Grid 6 M4 23 dBV/m
Grid 7 M4 18.94 dBV/m	Grid 8 M4 20.64 dBV/m	Grid 9 M4 20.66 dBV/m



0 dB = 24.97 V/m = 27.95 dBV/m

HAC-RF Emission UAT

Communication System: UID 10295 - AAB, CDMA2000, RC1, SO3, 1/8th Rate 25 fr.; Frequency: 1908.75 MHz; Duty Cycle: 1:17.7419

Phantom section: RF Section

DASY5 Configuration:

- Probe: ER3DV6 - SN2509; ConvF(1, 1, 1); Calibrated: 5/12/2017;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1377; Calibrated: 9/14/2016
- 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)

CDMA BC1 E-Field measurement/RC1_SO3_Ch 1175/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 = 9.969 V/m; Power Drift = -0.10 dB

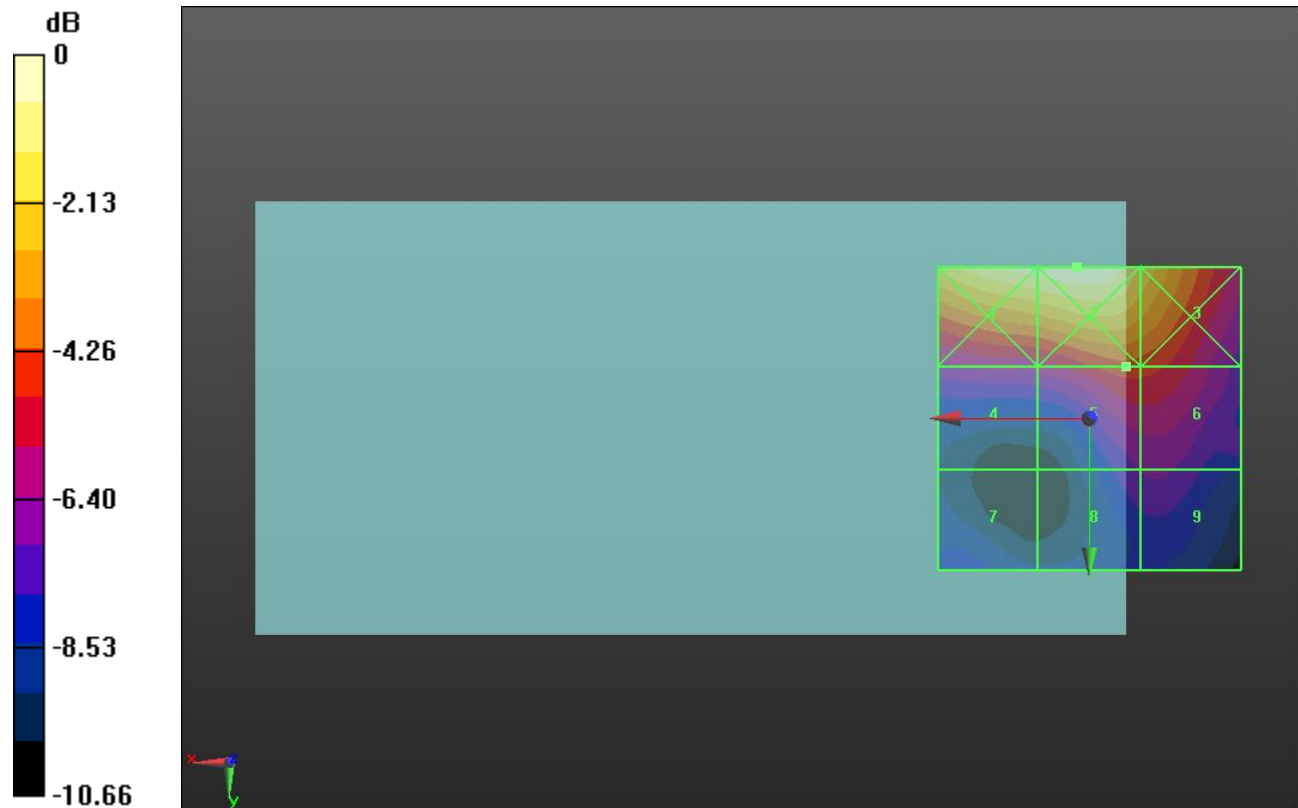
Applied MIF = 3.26 dB

RF audio interference level = 23.39 dBV/m

Emission category: **M4**

MIF scaled E-field

Grid 1 M4 27.68 dBV/m	Grid 2 M4 27.9 dBV/m	Grid 3 M4 26.43 dBV/m
Grid 4 M4 21.85 dBV/m	Grid 5 M4 23.39 dBV/m	Grid 6 M4 23.3 dBV/m
Grid 7 M4 19.95 dBV/m	Grid 8 M4 20.86 dBV/m	Grid 9 M4 20.98 dBV/m



0 dB = 24.84 V/m = 27.90 dBV/m

HAC-RF Emission UAT

Communication System: UID 10295 - AAB, CDMA2000, RC1, SO3, 1/8th Rate 25 fr.; Frequency: 817.3 MHz; Duty Cycle: 1:17.7419

Phantom section: RF Section

DASY5 Configuration:

- Probe: ER3DV6 - SN2509; ConvF(1, 1, 1); Calibrated: 5/12/2017;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1377; Calibrated: 9/14/2016
- 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)

CDMA BC10 E-Field measurement/RC1_SO3_ch 450/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 = 31.07 V/m; Power Drift = 0.01 dB

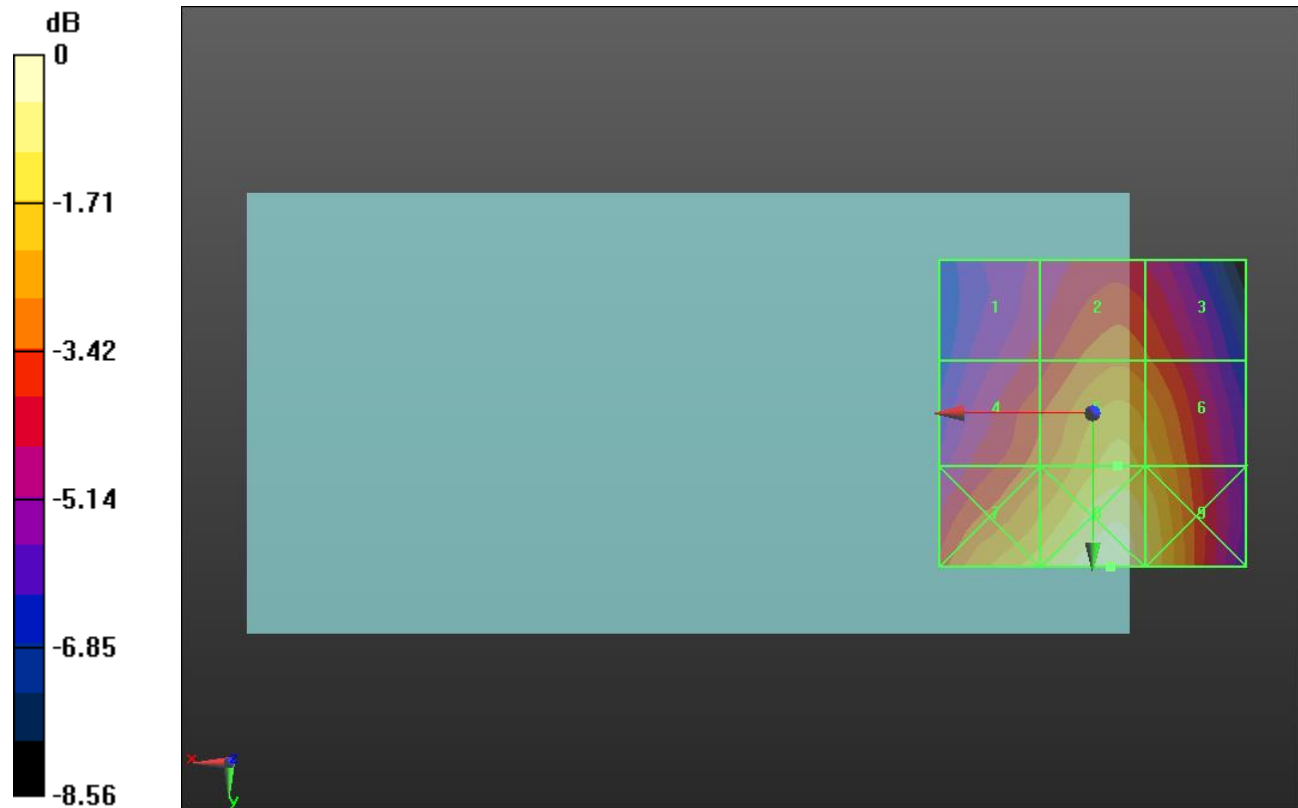
Applied MIF = 3.26 dB

RF audio interference level = 30.93 dBV/m

Emission category: **M4**

MIF scaled E-field

Grid 1 M4 28.15 dBV/m	Grid 2 M4 29.44 dBV/m	Grid 3 M4 29.12 dBV/m
Grid 4 M4 29.31 dBV/m	Grid 5 M4 30.93 dBV/m	Grid 6 M4 30.49 dBV/m
Grid 7 M4 31.11 dBV/m	Grid 8 M4 32.37 dBV/m	Grid 9 M4 31.43 dBV/m



0 dB = 41.53 V/m = 32.37 dBV/m

HAC-RF Emission UAT

Communication System: UID 10295 - AAB, CDMA2000, RC1, SO3, 1/8th Rate 25 fr.; Frequency: 820 MHz; Duty Cycle: 1:17.7419

Phantom section: RF Section

DASY5 Configuration:

- Probe: ER3DV6 - SN2509; ConvF(1, 1, 1); Calibrated: 5/12/2017;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1377; Calibrated: 9/14/2016
- 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)

CDMA BC10 E-Field measurement/RC1_SO3_ch 560/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 = 31.32 V/m; Power Drift = 0.04 dB

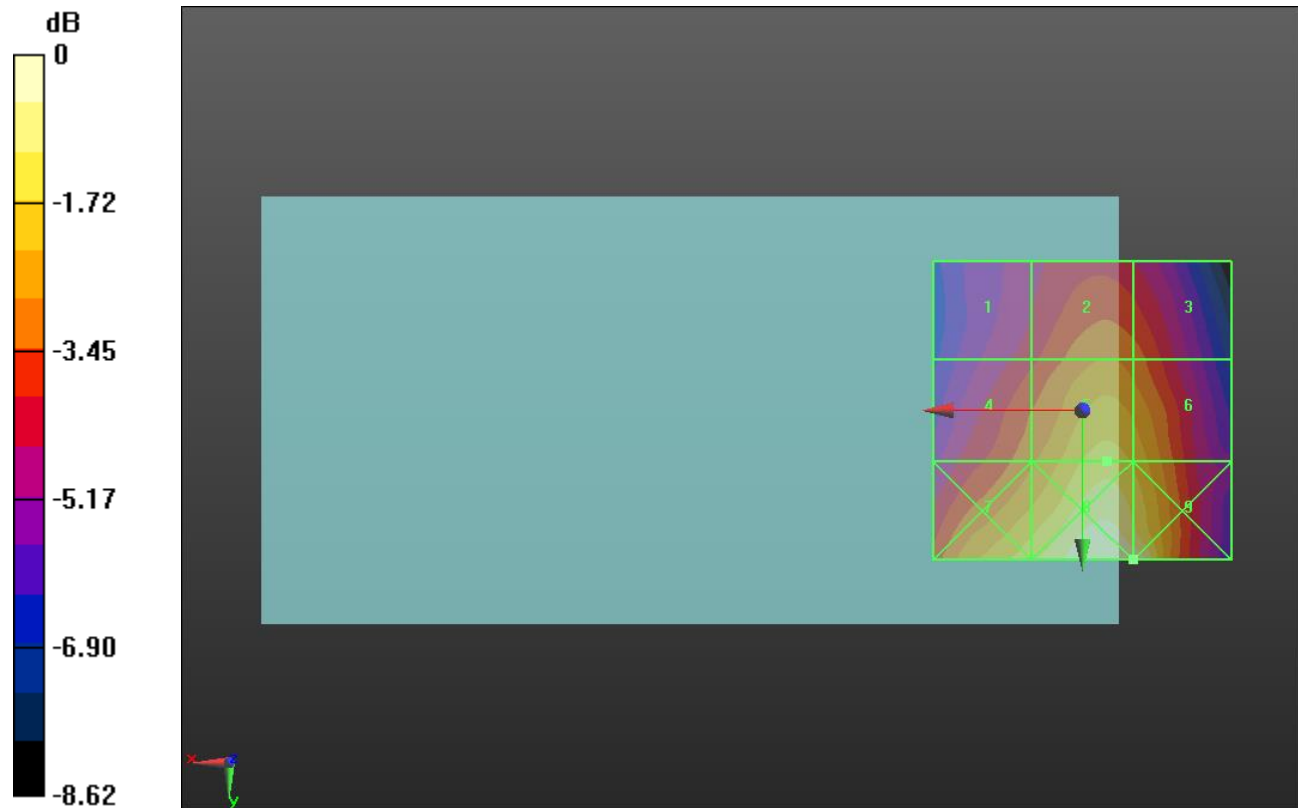
Applied MIF = 3.26 dB

RF audio interference level = 31.11 dBV/m

Emission category: **M4**

MIF scaled E-field

Grid 1 M4 28.35 dBV/m	Grid 2 M4 29.68 dBV/m	Grid 3 M4 29.39 dBV/m
Grid 4 M4 29.55 dBV/m	Grid 5 M4 31.11 dBV/m	Grid 6 M4 30.7 dBV/m
Grid 7 M4 31.22 dBV/m	Grid 8 M4 32.51 dBV/m	Grid 9 M4 32.51 dBV/m



0 dB = 42.21 V/m = 32.51 dBV/m

HAC-RF Emission UAT

Communication System: UID 10295 - AAB, CDMA2000, RC1, SO3, 1/8th Rate 25 fr.; Frequency: 822.8 MHz; Duty Cycle: 1:17.7419

Phantom section: RF Section

DASY5 Configuration:

- Probe: ER3DV6 - SN2509; ConvF(1, 1, 1); Calibrated: 5/12/2017;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1377; Calibrated: 9/14/2016
- 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)

CDMA BC10 E-Field measurement/RC1_SO3_ch 670/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 = 31.87 V/m; Power Drift = -0.01 dB

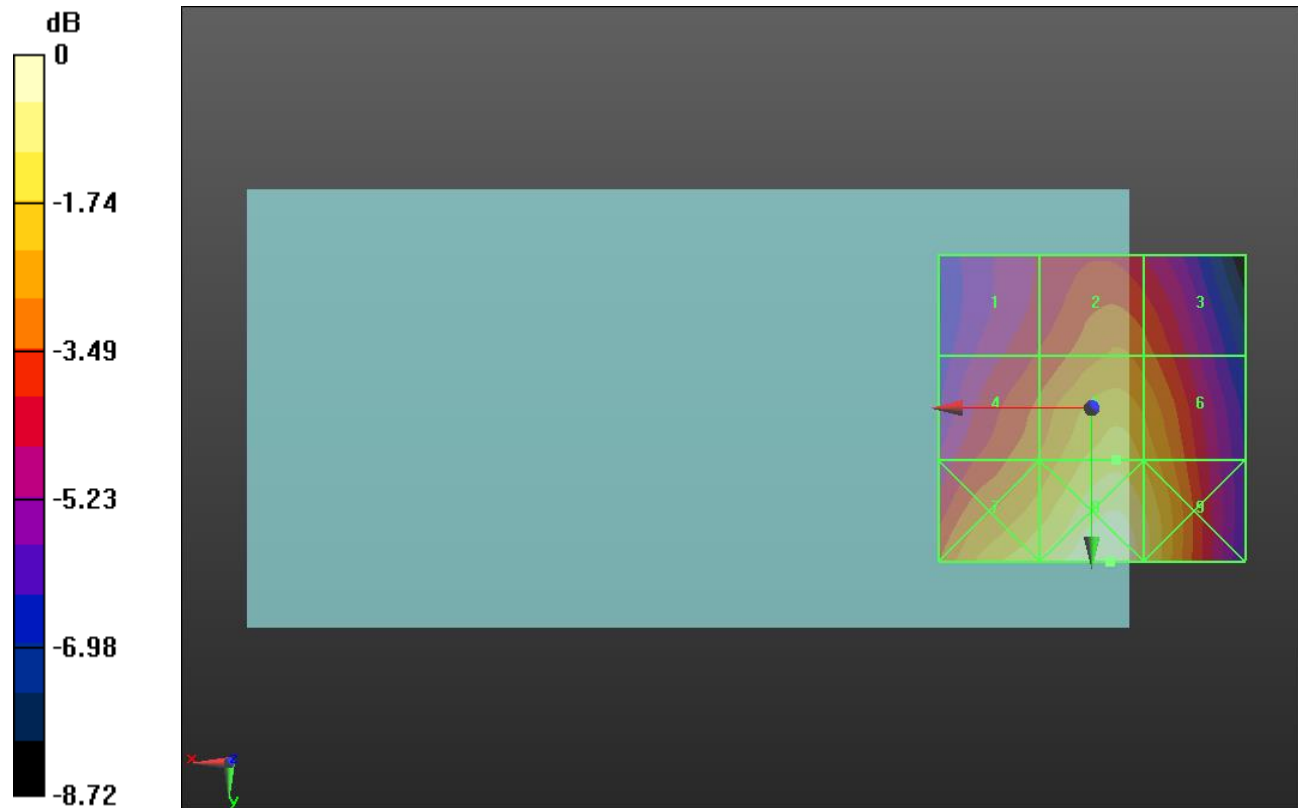
Applied MIF = 3.26 dB

RF audio interference level = 31.18 dBV/m

Emission category: **M4**

MIF scaled E-field

Grid 1 M4 28.54 dBV/m	Grid 2 M4 29.71 dBV/m	Grid 3 M4 29.33 dBV/m
Grid 4 M4 29.73 dBV/m	Grid 5 M4 31.18 dBV/m	Grid 6 M4 30.68 dBV/m
Grid 7 M4 31.41 dBV/m	Grid 8 M4 32.5 dBV/m	Grid 9 M4 31.62 dBV/m



0 dB = 42.15 V/m = 32.50 dBV/m

HAC-RF Emission UAT

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: ER3DV6 - SN2509; ConvF(1, 1, 1); Calibrated: 5/12/2017;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1377; Calibrated: 9/14/2016
- 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 1/50_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 = 31.45 V/m; Power Drift = 0.05 dB

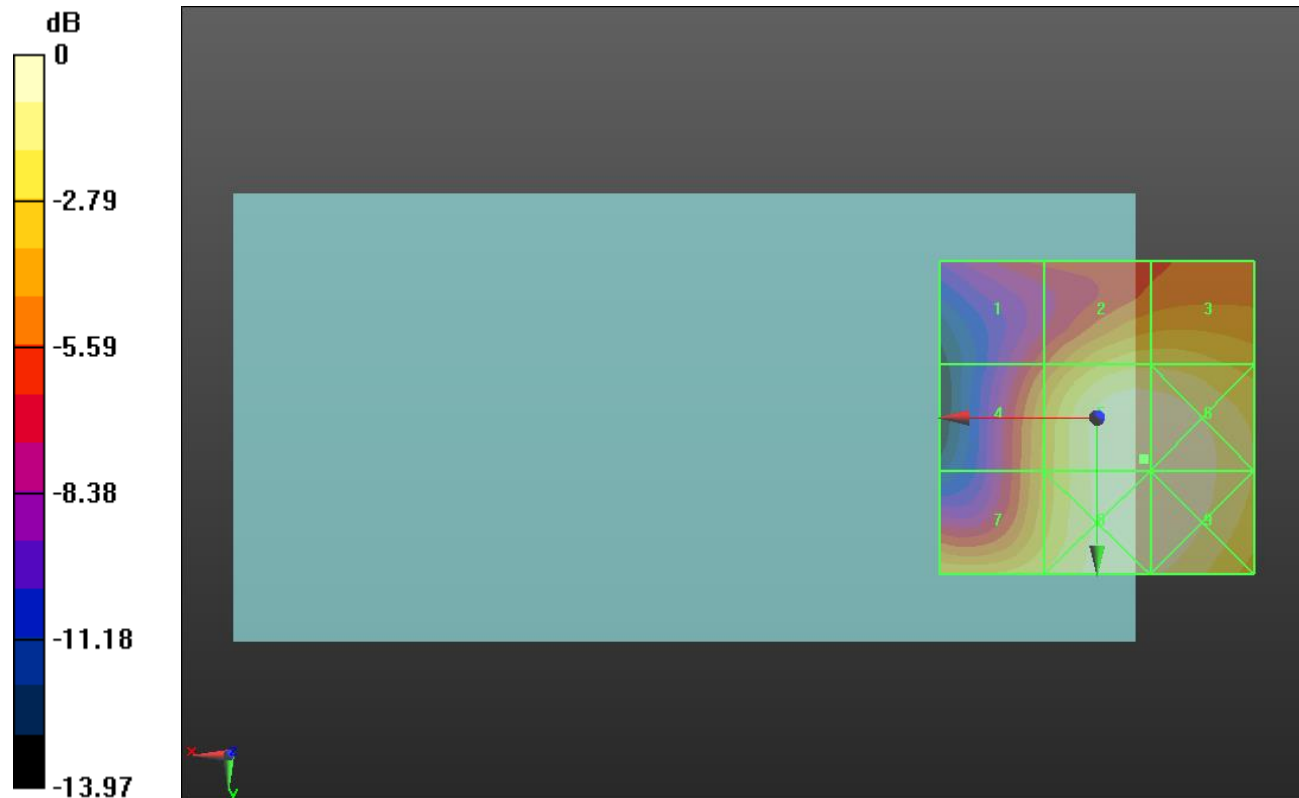
Applied MIF = -1.44 dB

RF audio interference level = 25.03 dBV/m

Emission category: **M4**

MIF scaled E-field

Grid 1 M4 19.31 dBV/m	Grid 2 M4 23.02 dBV/m	Grid 3 M4 23.01 dBV/m
Grid 4 M4 21.56 dBV/m	Grid 5 M4 25.03 dBV/m	Grid 6 M4 25.03 dBV/m
Grid 7 M4 23.33 dBV/m	Grid 8 M4 25.03 dBV/m	Grid 9 M4 25.03 dBV/m



0 dB = 17.85 V/m = 25.03 dBV/m

HAC-RF Emission UAT

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: ER3DV6 - SN2509; ConvF(1, 1, 1); Calibrated: 5/12/2017;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1377; Calibrated: 9/14/2016
- 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 1/50_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 = 28.81 V/m; Power Drift = -0.05 dB

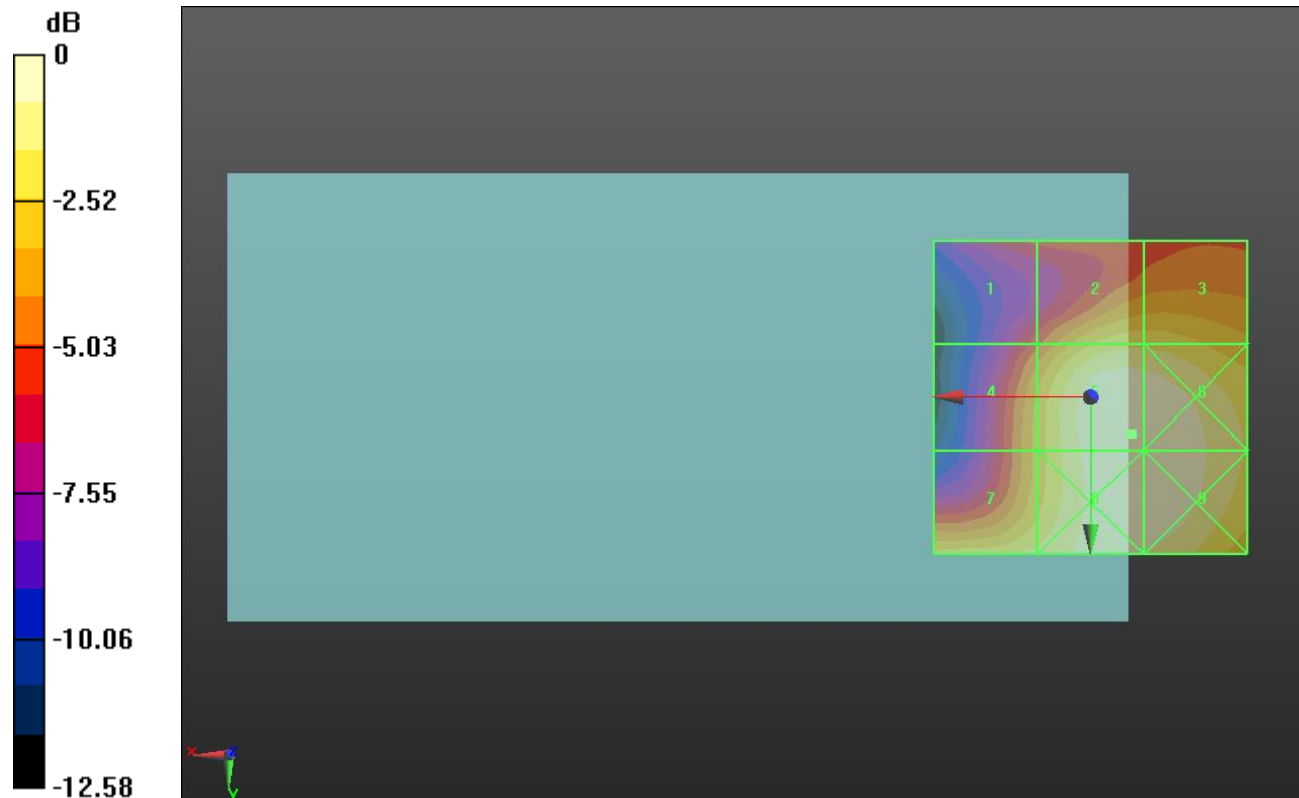
Applied MIF = -1.44 dB

RF audio interference level = 23.98 dBV/m

Emission category: **M4**

MIF scaled E-field

Grid 1 M4 18.72 dBV/m	Grid 2 M4 22.11 dBV/m	Grid 3 M4 22.09 dBV/m
Grid 4 M4 21.01 dBV/m	Grid 5 M4 23.98 dBV/m	Grid 6 M4 23.95 dBV/m
Grid 7 M4 22.68 dBV/m	Grid 8 M4 23.95 dBV/m	Grid 9 M4 23.94 dBV/m



0 dB = 15.81 V/m = 23.98 dBV/m

HAC-RF Emission UAT

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: ER3DV6 - SN2509; ConvF(1, 1, 1); Calibrated: 5/12/2017;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1377; Calibrated: 9/14/2016
- 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 1/50_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 = 26.62 V/m; Power Drift = 0.16 dB

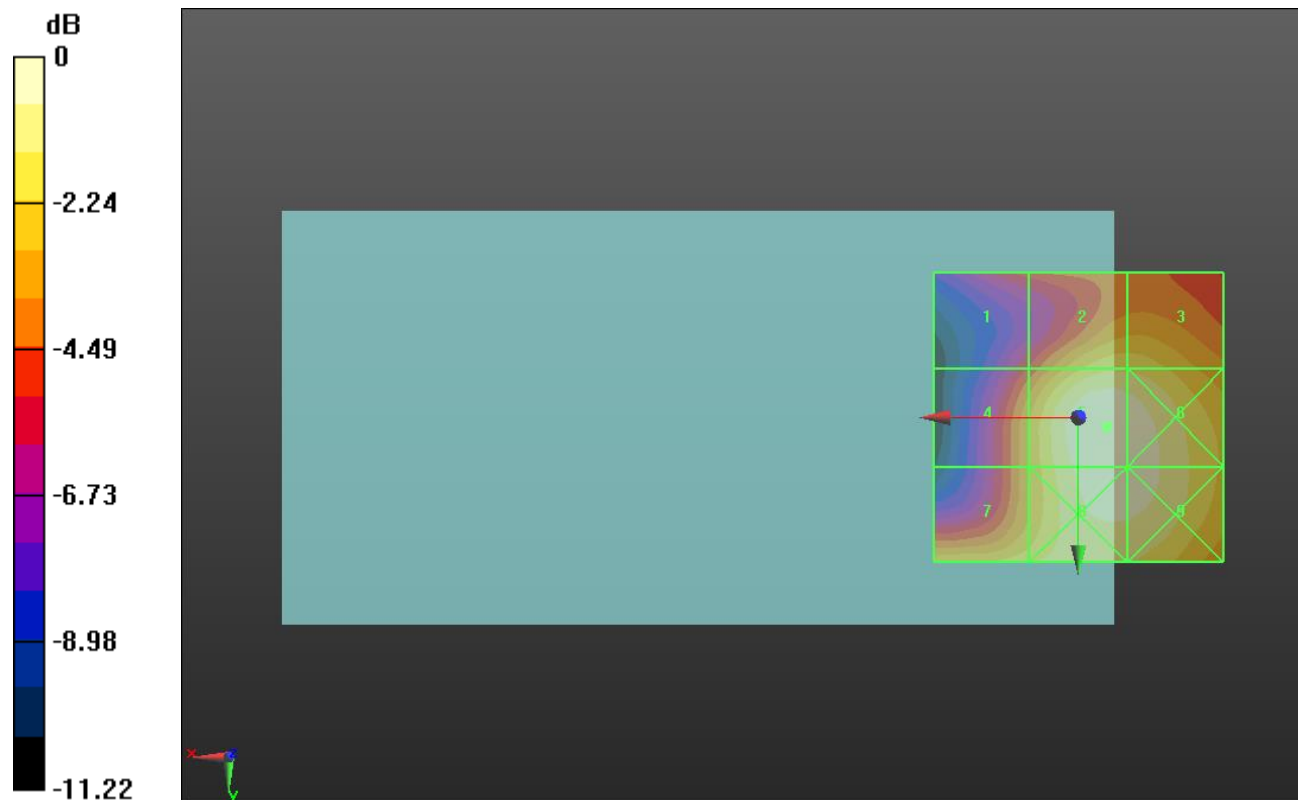
Applied MIF = -1.44 dB

RF audio interference level = 23.21 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 18.44 dBV/m	Grid 2 M4 21.65 dBV/m	Grid 3 M4 21.6 dBV/m
Grid 4 M4 20.31 dBV/m	Grid 5 M4 23.21 dBV/m	Grid 6 M4 22.98 dBV/m
Grid 7 M4 21.57 dBV/m	Grid 8 M4 23 dBV/m	Grid 9 M4 22.89 dBV/m



0 dB = 14.48 V/m = 23.22 dBV/m

HAC-RF Emission UAT

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: ER3DV6 - SN2509; ConvF(1, 1, 1); Calibrated: 5/12/2017;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1377; Calibrated: 9/14/2016
- 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 1/50_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 = 28.86 V/m; Power Drift = 0.09 dB

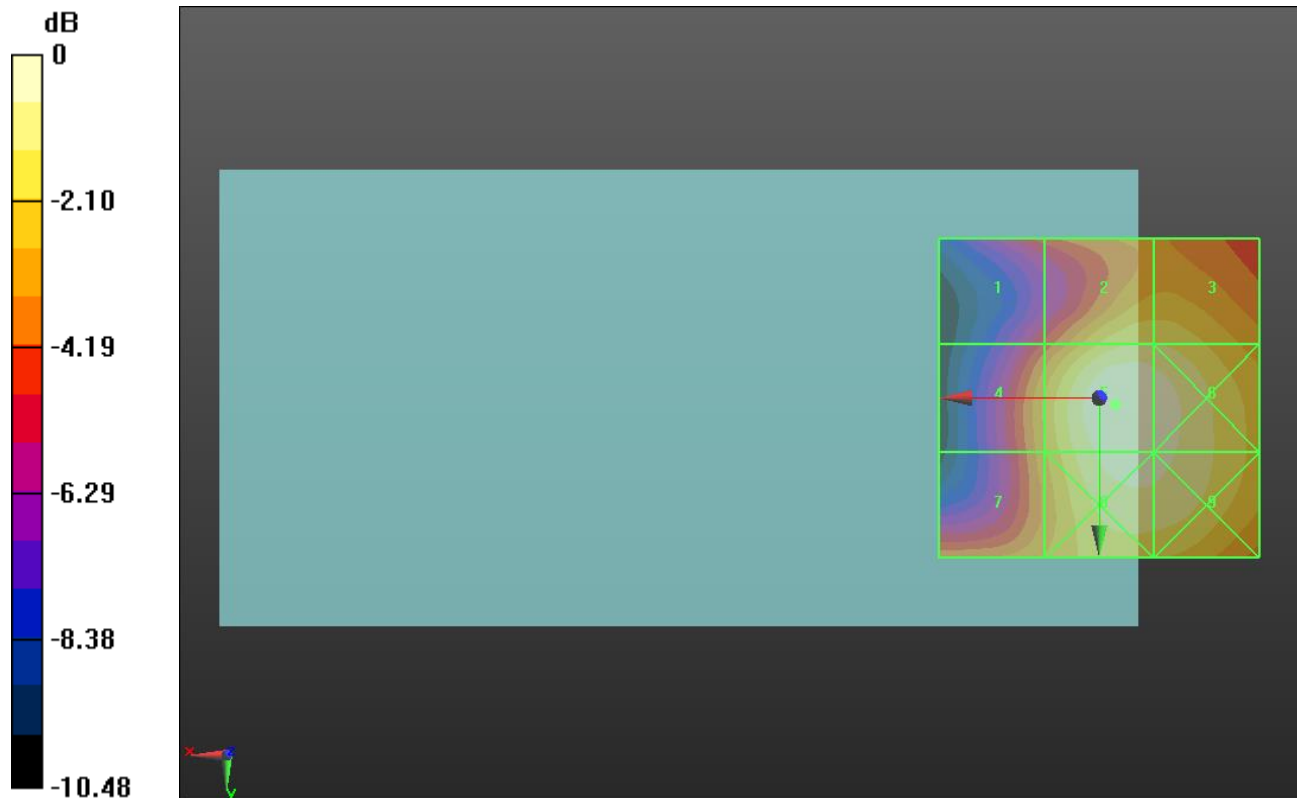
Applied MIF = -1.44 dB

RF audio interference level = 23.58 dBV/m

Emission category: **M4**

MIF scaled E-field

Grid 1 M4 19.16 dBV/m	Grid 2 M4 22.28 dBV/m	Grid 3 M4 22.24 dBV/m
Grid 4 M4 20.98 dBV/m	Grid 5 M4 23.58 dBV/m	Grid 6 M4 23.31 dBV/m
Grid 7 M4 20.94 dBV/m	Grid 8 M4 23.25 dBV/m	Grid 9 M4 23.12 dBV/m



0 dB = 15.11 V/m = 23.59 dBV/m

HAC-RF Emission UAT

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: ER3DV6 - SN2509; ConvF(1, 1, 1); Calibrated: 5/12/2017;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1377; Calibrated: 9/14/2016
- 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 1/50_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 = 29.95 V/m; Power Drift = 0.06 dB

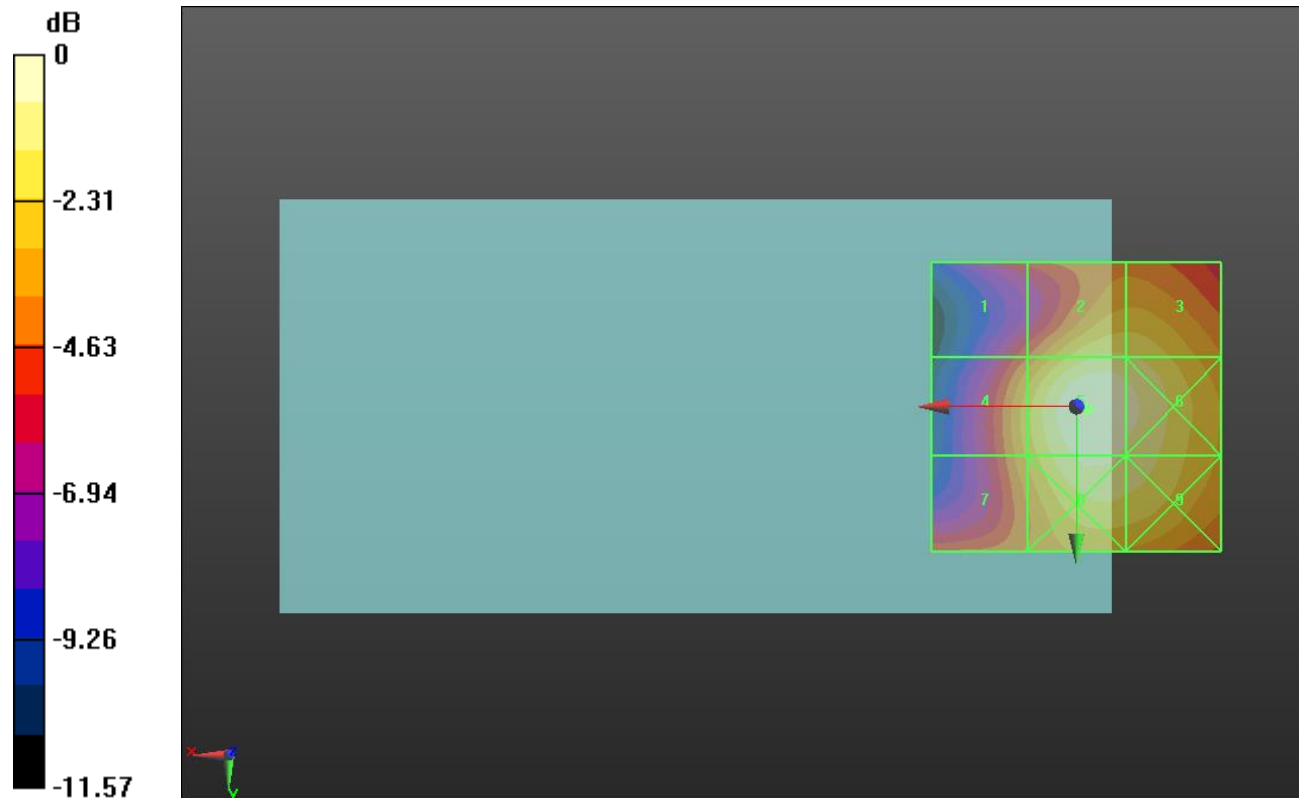
Applied MIF = -1.44 dB

RF audio interference level = 23.58 dBV/m

Emission category: **M4**

MIF scaled E-field

Grid 1 M4 18.99 dBV/m	Grid 2 M4 22.23 dBV/m	Grid 3 M4 22.16 dBV/m
Grid 4 M4 21.05 dBV/m	Grid 5 M4 23.58 dBV/m	Grid 6 M4 23.1 dBV/m
Grid 7 M4 20.65 dBV/m	Grid 8 M4 23 dBV/m	Grid 9 M4 22.69 dBV/m



0 dB = 15.10 V/m = 23.58 dBV/m

HAC-RF Emission UAT

Communication System: UID 10069 - CAB, IEEE 802.11a/h WiFi 5 GHz (OFDM, 54 Mbps); Frequency: 5200 MHz; Duty Cycle: 1:11.3763

Phantom section: RF Section

DASY5 Configuration:

- Probe: EF3DV3 - SN4041 (5-6 GHz); ConvF(1, 1, 1); Calibrated: 3/14/2017;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1377; Calibrated: 9/14/2016
- 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)

802.11a E-Field measurement/IEEE 802.11a_OFDM 54 Mbps_ch 40/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 = 14.13 V/m; Power Drift = -1.29 dB

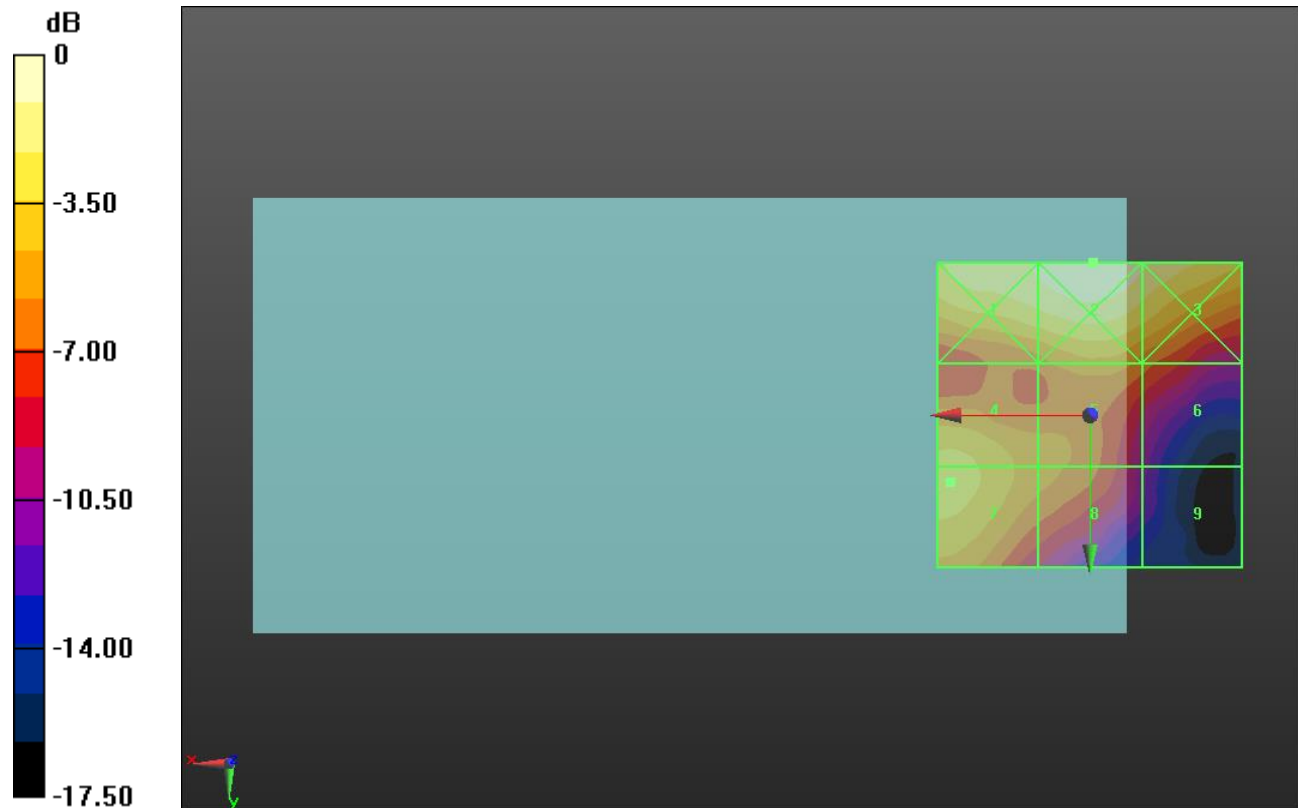
Applied MIF = -3.15 dB

RF audio interference level = 19.39 dBV/m

Emission category: **M4**

MIF scaled E-field

Grid 1 M4 21.4 dBV/m	Grid 2 M4 22.39 dBV/m	Grid 3 M4 21.52 dBV/m
Grid 4 M4 19.3 dBV/m	Grid 5 M4 17.39 dBV/m	Grid 6 M4 16.04 dBV/m
Grid 7 M4 19.39 dBV/m	Grid 8 M4 17.11 dBV/m	Grid 9 M4 11.5 dBV/m



0 dB = 13.16 V/m = 22.39 dBV/m

HAC-RF Emission UAT

Communication System: UID 10069 - CAB, IEEE 802.11a/h WiFi 5 GHz (OFDM, 54 Mbps); Frequency: 5220 MHz; Duty Cycle: 1:11.3763

Phantom section: RF Section

DASY5 Configuration:

- Probe: EF3DV3 - SN4041 (5-6 GHz); ConvF(1, 1, 1); Calibrated: 3/14/2017;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1377; Calibrated: 9/14/2016
- 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)

802.11a E-Field measurement/IEEE 802.11a_OFDM 54 Mbps_ch 44/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 = 13.07 V/m; Power Drift = -0.11 dB

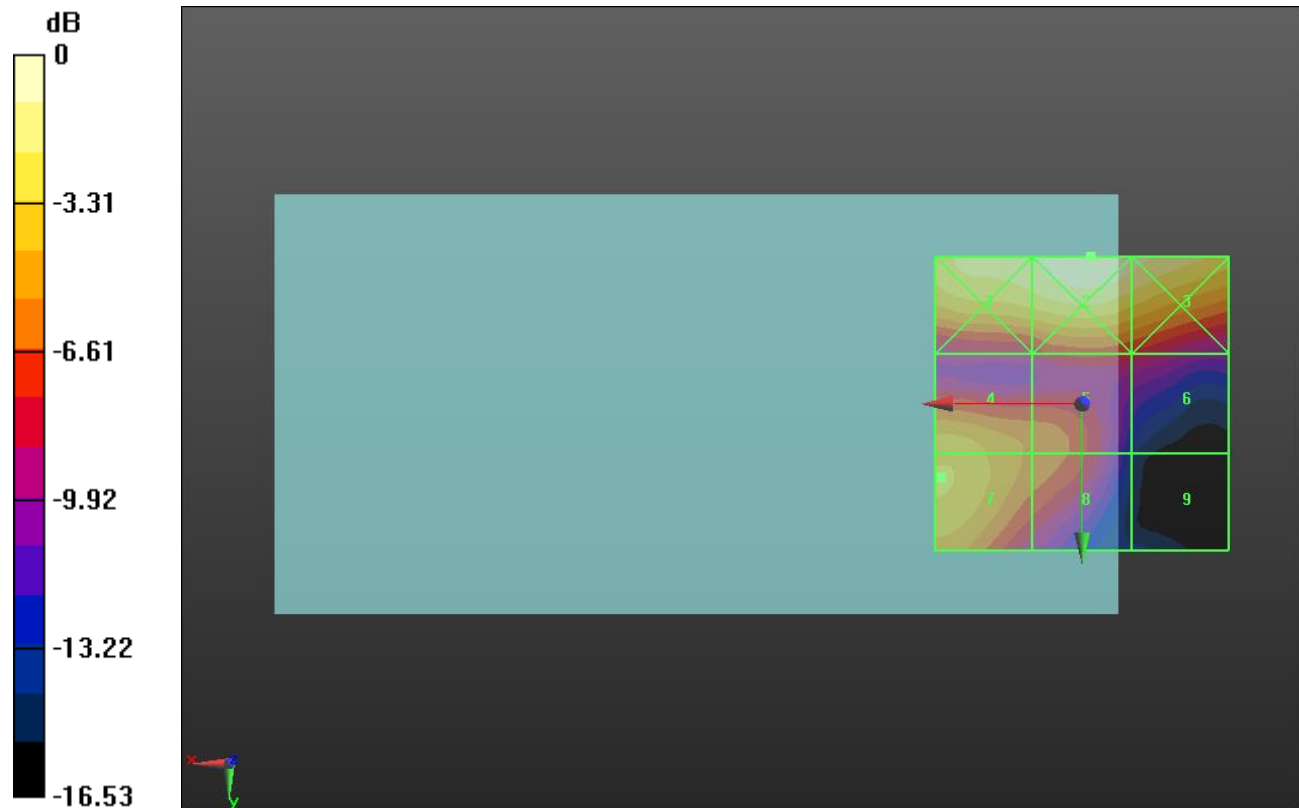
Applied MIF = -3.15 dB

RF audio interference level = 19.76 dBV/m

Emission category: **M4**

MIF scaled E-field

Grid 1 M4 21.71 dBV/m	Grid 2 M4 22.95 dBV/m	Grid 3 M4 22.32 dBV/m
Grid 4 M4 19.42 dBV/m	Grid 5 M4 17.3 dBV/m	Grid 6 M4 14.96 dBV/m
Grid 7 M4 19.76 dBV/m	Grid 8 M4 17.26 dBV/m	Grid 9 M4 9.21 dBV/m



0 dB = 14.04 V/m = 22.95 dBV/m

HAC-RF Emission UAT

Communication System: UID 10069 - CAB, IEEE 802.11a/h WiFi 5 GHz (OFDM, 54 Mbps); Frequency: 5240 MHz; Duty Cycle: 1:11.3763

Phantom section: RF Section 19.39

DASY5 Configuration:

- Probe: EF3DV3 - SN4041 (5-6 GHz); ConvF(1, 1, 1); Calibrated: 3/14/2017;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1377; Calibrated: 9/14/2016
- 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)

802.11a E-Field measurement/IEEE 802.11a_OFDM 54 Mbps_ch 48/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 = 13.31 V/m; Power Drift = 0.07 dB

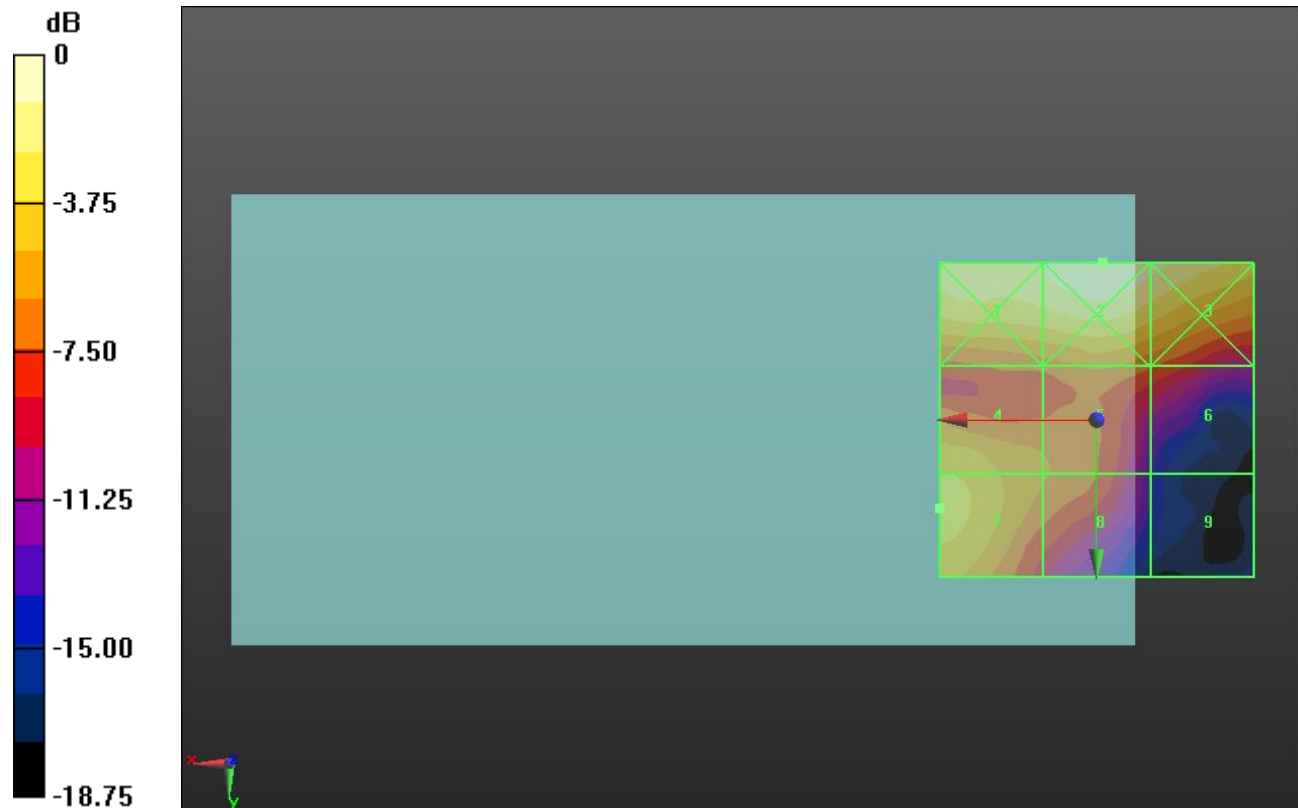
Applied MIF = -3.15 dB

RF audio interference level = 19.22 dBV/m

Emission category: **M4**

MIF scaled E-field

Grid 1 M4 21.35 dBV/m	Grid 2 M4 22.49 dBV/m	Grid 3 M4 21.69 dBV/m
Grid 4 M4 18.76 dBV/m	Grid 5 M4 16.53 dBV/m	Grid 6 M4 15.21 dBV/m
Grid 7 M4 19.22 dBV/m	Grid 8 M4 16.36 dBV/m	Grid 9 M4 9.13 dBV/m



0 dB = 13.32 V/m = 22.49 dBV/m

HAC-RF Emission UAT

Communication System: UID 10069 - CAB, IEEE 802.11a/h WiFi 5 GHz (OFDM, 54 Mbps); Frequency: 5260 MHz; Duty Cycle: 1:11.3763

Phantom section: RF Section

DASY5 Configuration:

- Probe: EF3DV3 - SN4041 (5-6 GHz); ConvF(1, 1, 1); Calibrated: 3/14/2017;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1377; Calibrated: 9/14/2016
- 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)

802.11a E-Field measurement/IEEE 802.11a_OFDM 54 Mbps_ch 52/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 = 12.91 V/m; Power Drift = -0.15 dB

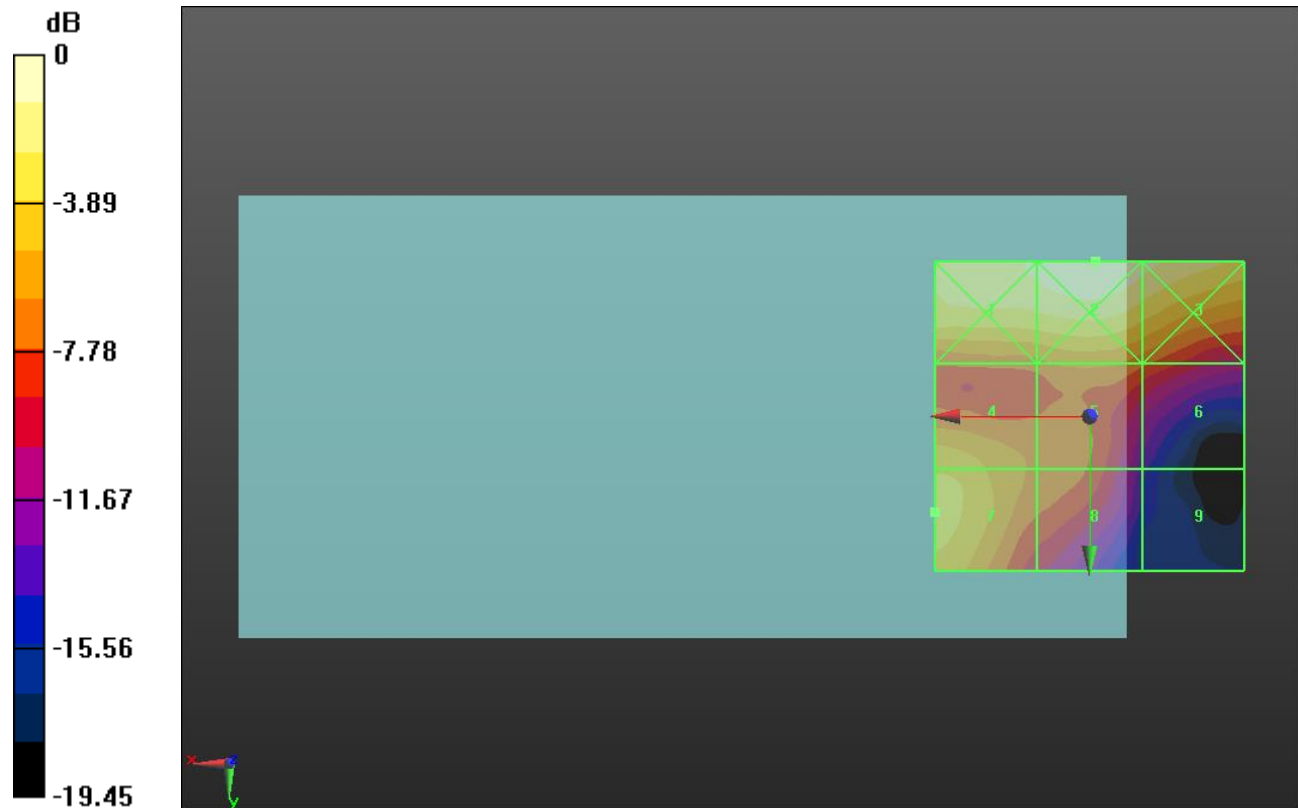
Applied MIF = -3.15 dB

RF audio interference level = 19.13 dBV/m

Emission category: **M4**

MIF scaled E-field

Grid 1 M4 21.39 dBV/m	Grid 2 M4 22.42 dBV/m	Grid 3 M4 21.61 dBV/m
Grid 4 M4 18.42 dBV/m	Grid 5 M4 16.32 dBV/m	Grid 6 M4 15.02 dBV/m
Grid 7 M4 19.13 dBV/m	Grid 8 M4 15.77 dBV/m	Grid 9 M4 8.87 dBV/m



0 dB = 13.22 V/m = 22.42 dBV/m

HAC-RF Emission UAT

Communication System: UID 10069 - CAB, IEEE 802.11a/h WiFi 5 GHz (OFDM, 54 Mbps); Frequency: 5280 MHz; Duty Cycle: 1:11.3763

Phantom section: RF Section

DASY5 Configuration:

- Probe: EF3DV3 - SN4041 (5-6 GHz); ConvF(1, 1, 1); Calibrated: 3/14/2017;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1377; Calibrated: 9/14/2016
- 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)

802.11a E-Field measurement/IEEE 802.11a_OFDM 54 Mbps_ch 56/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 = 11.95 V/m; Power Drift = 0.03 dB

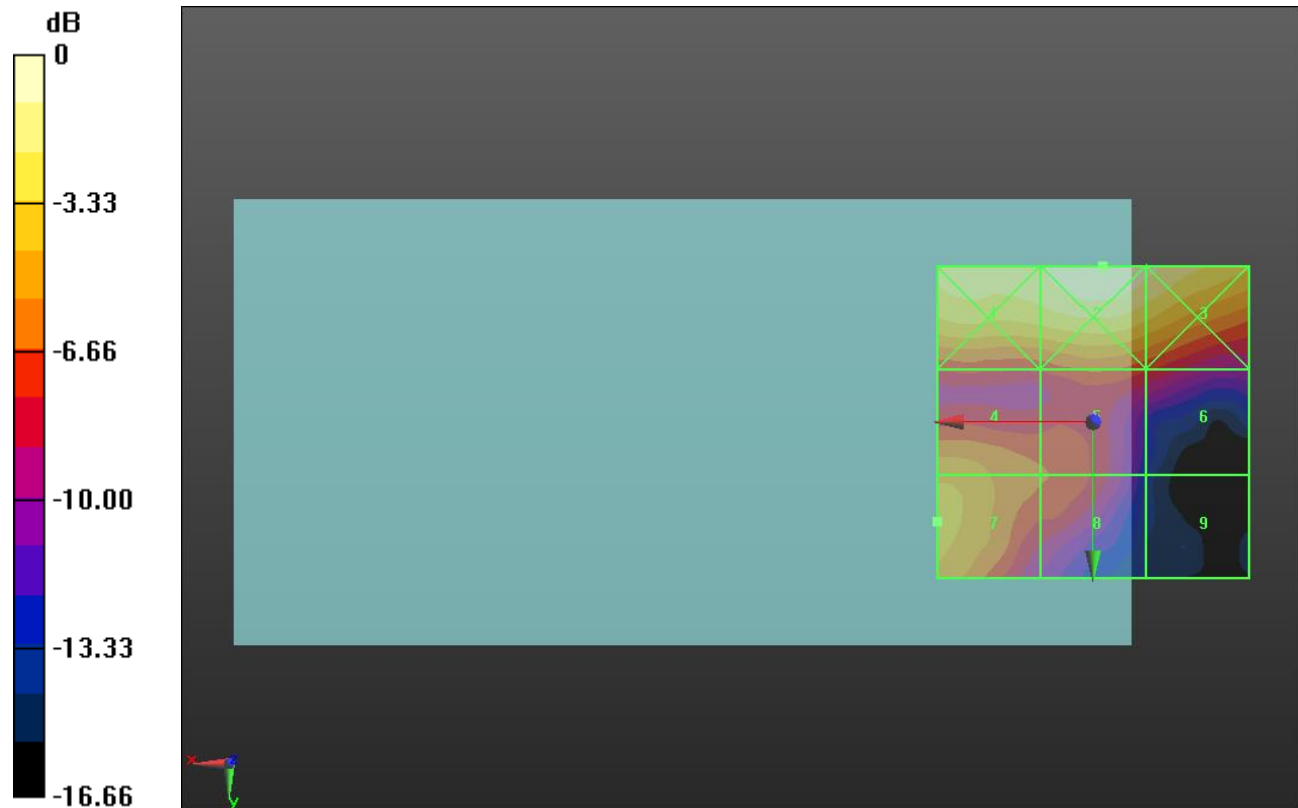
Applied MIF = -3.15 dB

RF audio interference level = 18.55 dBV/m

Emission category: **M4**

MIF scaled E-field

Grid 1 M4 21.13 dBV/m	Grid 2 M4 22.41 dBV/m	Grid 3 M4 21.72 dBV/m
Grid 4 M4 17.73 dBV/m	Grid 5 M4 16.01 dBV/m	Grid 6 M4 14.94 dBV/m
Grid 7 M4 18.55 dBV/m	Grid 8 M4 15.84 dBV/m	Grid 9 M4 9.04 dBV/m



0 dB = 13.19 V/m = 22.40 dBV/m

HAC-RF Emission UAT

Communication System: UID 10069 - CAB, IEEE 802.11a/h WiFi 5 GHz (OFDM, 54 Mbps); Frequency: 5300 MHz; Duty Cycle: 1:11.3763

Phantom section: RF Section

DASY5 Configuration:

- Probe: EF3DV3 - SN4041 (5-6 GHz); ConvF(1, 1, 1); Calibrated: 3/14/2017;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1377; Calibrated: 9/14/2016
- 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)

802.11a E-Field measurement/IEEE 802.11a_OFDM 54 Mbps_ch 60/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 = 11.04 V/m; Power Drift = 0.24 dB

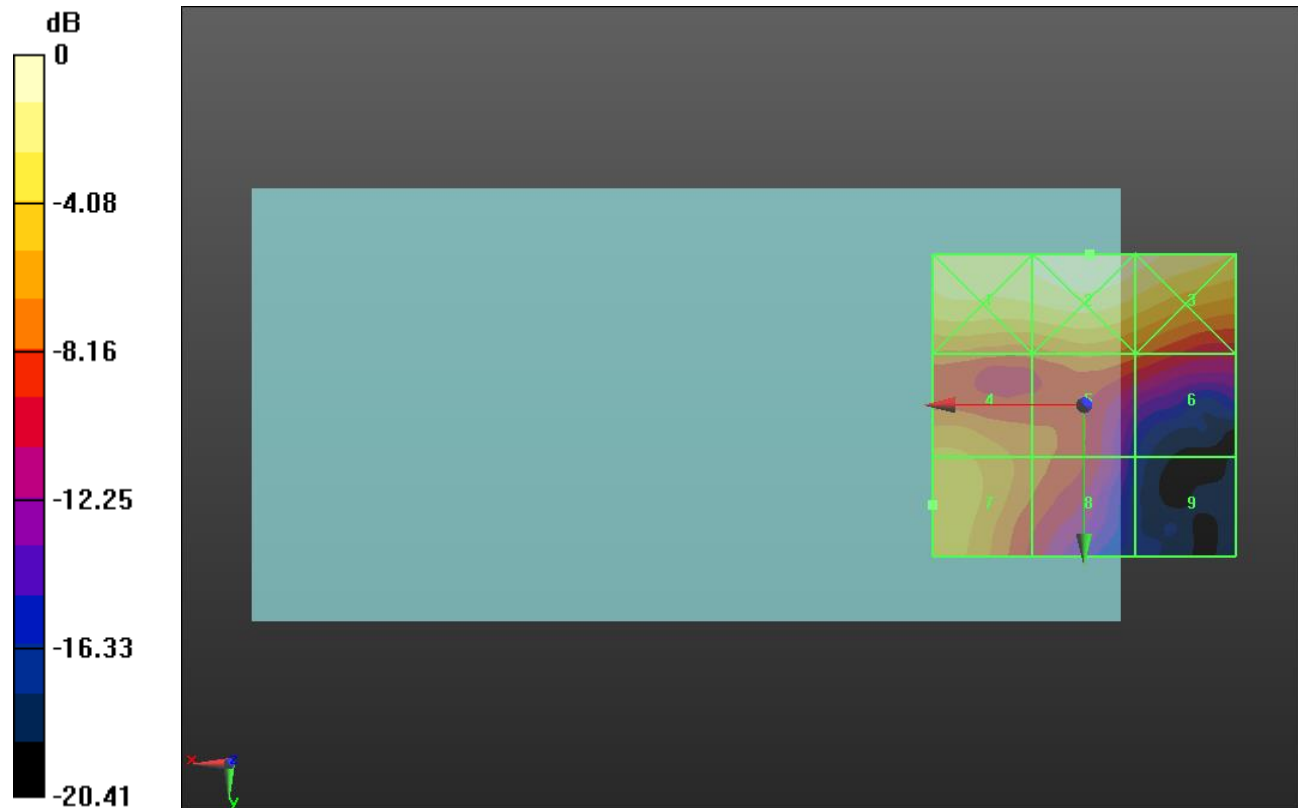
Applied MIF = -3.15 dB

RF audio interference level = 18.17 dBV/m

Emission category: **M4**

MIF scaled E-field

Grid 1 M4 21.16 dBV/m	Grid 2 M4 22.36 dBV/m	Grid 3 M4 21.7 dBV/m
Grid 4 M4 17.36 dBV/m	Grid 5 M4 15.97 dBV/m	Grid 6 M4 14.72 dBV/m
Grid 7 M4 18.17 dBV/m	Grid 8 M4 14.89 dBV/m	Grid 9 M4 6.25 dBV/m



0 dB = 13.12 V/m = 22.36 dBV/m

HAC-RF Emission UAT

Communication System: UID 10069 - CAB, IEEE 802.11a/h WiFi 5 GHz (OFDM, 54 Mbps); Frequency: 5540 MHz; Duty Cycle: 1:11.3763

Phantom section: RF Section

DASY5 Configuration:

- Probe: EF3DV3 - SN4041 (5-6 GHz); ConvF(1, 1, 1); Calibrated: 3/14/2017;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1377; Calibrated: 9/14/2016
- 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)

802.11a E-Field measurement/IEEE 802.11a_OFDM 54 Mbps_ch 108/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 = 10.49 V/m; Power Drift = -0.07 dB

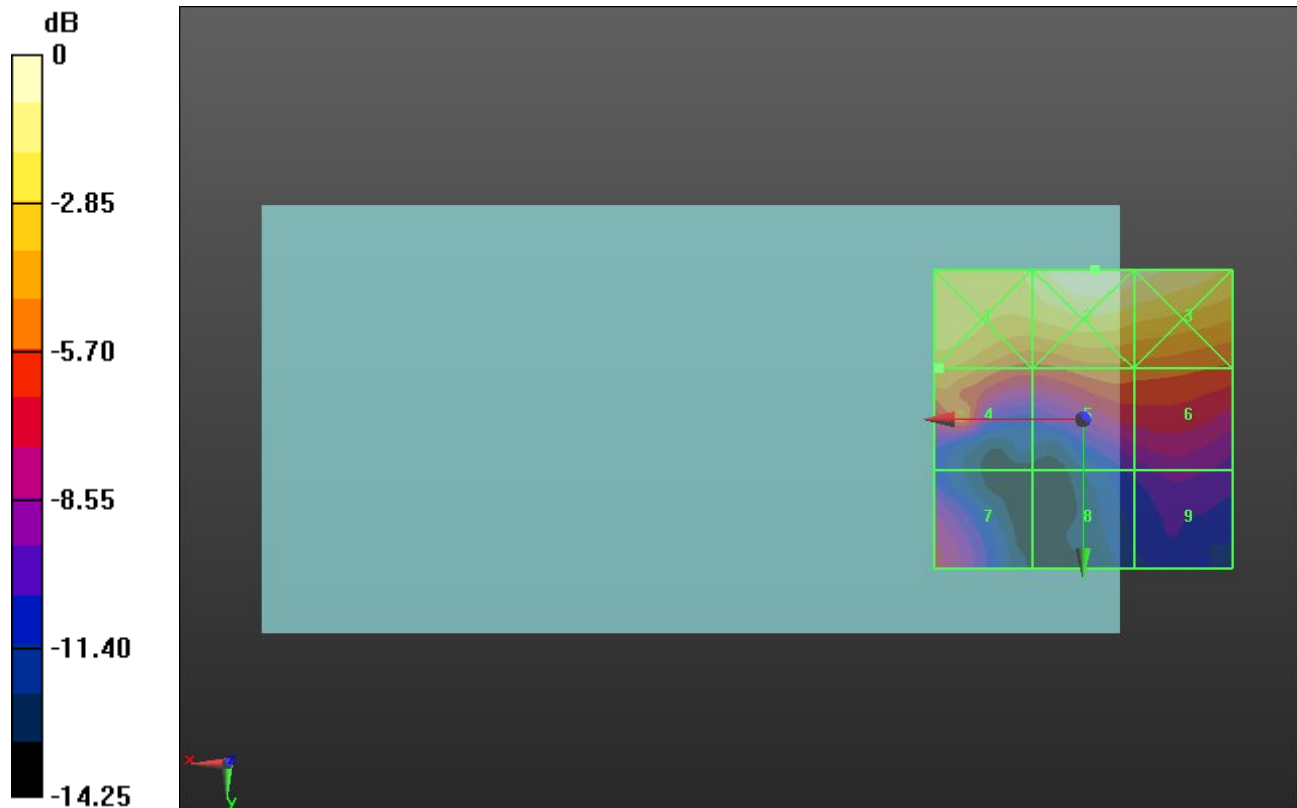
Applied MIF = -3.15 dB

RF audio interference level = 18.84 dBV/m

Emission category: **M4**

MIF scaled E-field

Grid 1 M4 20.93 dBV/m	Grid 2 M4 22.54 dBV/m	Grid 3 M4 22.09 dBV/m
Grid 4 M4 18.84 dBV/m	Grid 5 M4 17.54 dBV/m	Grid 6 M4 17.43 dBV/m
Grid 7 M4 15.4 dBV/m	Grid 8 M4 12.44 dBV/m	Grid 9 M4 13.46 dBV/m



0 dB = 13.40 V/m = 22.54 dBV/m

HAC-RF Emission UAT

Communication System: UID 10069 - CAB, IEEE 802.11a/h WiFi 5 GHz (OFDM, 54 Mbps); Frequency: 5620 MHz; Duty Cycle: 1:11.3763

Phantom section: RF Section

DASY5 Configuration:

- Probe: EF3DV3 - SN4041 (5-6 GHz); ConvF(1, 1, 1); Calibrated: 3/14/2017;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1377; Calibrated: 9/14/2016
- 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)

802.11a E-Field measurement/IEEE 802.11a_OFDM 54 Mbps_ch 124/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 = 9.614 V/m; Power Drift = 0.21 dB

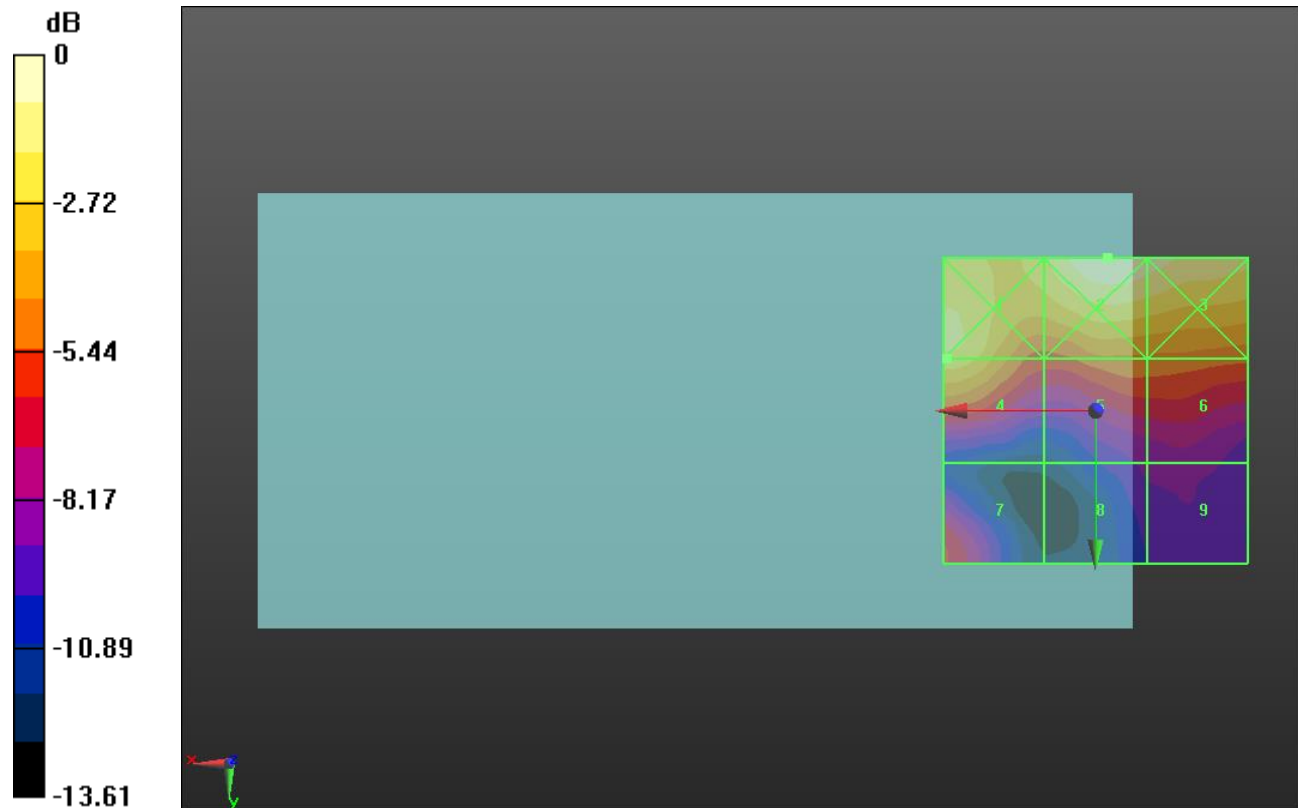
Applied MIF = -3.15 dB

RF audio interference level = 19.13 dBV/m

Emission category: **M4**

MIF scaled E-field

Grid 1 M4 19.69 dBV/m	Grid 2 M4 21.24 dBV/m	Grid 3 M4 20.81 dBV/m
Grid 4 M4 19.13 dBV/m	Grid 5 M4 16.58 dBV/m	Grid 6 M4 16.52 dBV/m
Grid 7 M4 15.09 dBV/m	Grid 8 M4 12.58 dBV/m	Grid 9 M4 12.81 dBV/m



0 dB = 11.54 V/m = 21.24 dBV/m

HAC-RF Emission UAT

Communication System: UID 10069 - CAB, IEEE 802.11a/h WiFi 5 GHz (OFDM, 54 Mbps); Frequency: 5720 MHz; Duty Cycle: 1:11.3763

Phantom section: RF Section

DASY5 Configuration:

- Probe: EF3DV3 - SN4041 (5-6 GHz); ConvF(1, 1, 1); Calibrated: 3/14/2017;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1377; Calibrated: 9/14/2016
- 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)

802.11a E-Field measurement/IEEE 802.11a_OFDM 54 Mbps_ch 144/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 = 12.51 V/m; Power Drift = -1.18 dB

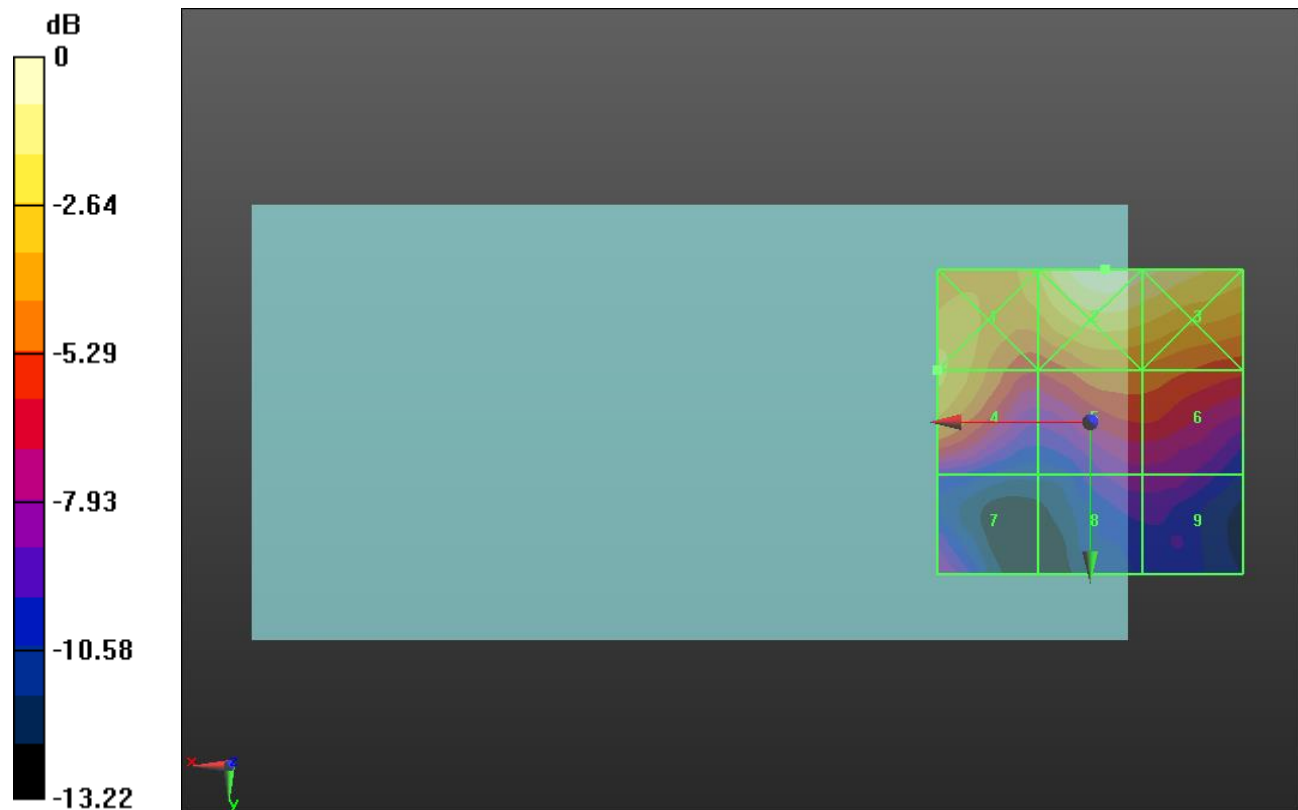
Applied MIF = -3.15 dB

RF audio interference level = 19.20 dBV/m

Emission category: **M4**

MIF scaled E-field

Grid 1 M4 19.21 dBV/m	Grid 2 M4 21.59 dBV/m	Grid 3 M4 21.1 dBV/m
Grid 4 M4 19.2 dBV/m	Grid 5 M4 17.17 dBV/m	Grid 6 M4 17.04 dBV/m
Grid 7 M4 13.81 dBV/m	Grid 8 M4 13.42 dBV/m	Grid 9 M4 13.43 dBV/m



0 dB = 12.01 V/m = 21.59 dBV/m

HAC-RF Emission UAT

Communication System: UID 10069 - CAB, IEEE 802.11a/h WiFi 5 GHz (OFDM, 54 Mbps); Frequency: 5765 MHz; Duty Cycle: 1:11.3763

Phantom section: RF Section

DASY5 Configuration:

- Probe: EF3DV3 - SN4041 (5-6 GHz); ConvF(1, 1, 1); Calibrated: 3/14/2017;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1377; Calibrated: 9/14/2016
- 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)

802.11a E-Field measurement/IEEE 802.11a_OFDM 54 Mbps_ch 153/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 = 12.93 V/m; Power Drift = -0.08 dB

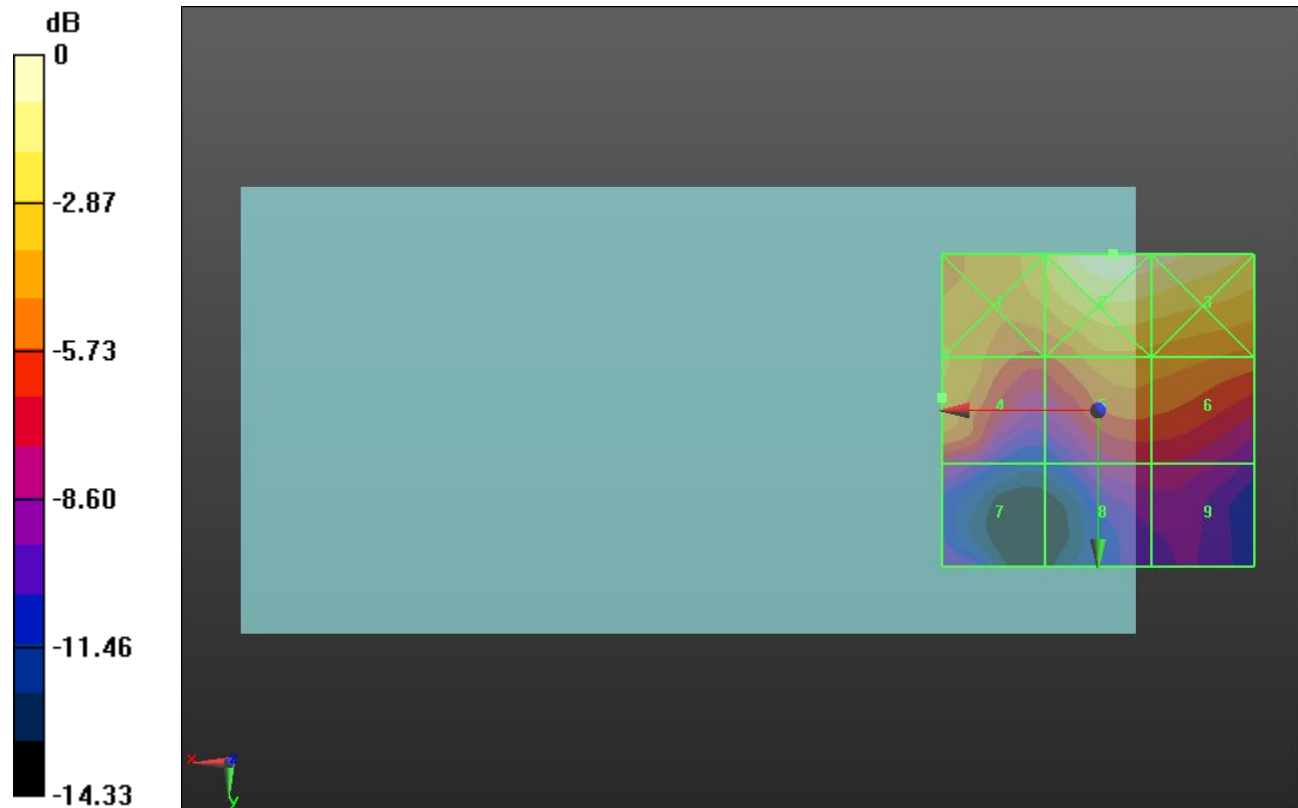
Applied MIF = -3.15 dB

RF audio interference level = 18.20 dBV/m

Emission category: **M4**

MIF scaled E-field

Grid 1 M4 19.24 dBV/m	Grid 2 M4 21.89 dBV/m	Grid 3 M4 21.56 dBV/m
Grid 4 M4 18.2 dBV/m	Grid 5 M4 17.9 dBV/m	Grid 6 M4 17.75 dBV/m
Grid 7 M4 13.92 dBV/m	Grid 8 M4 14.28 dBV/m	Grid 9 M4 14.28 dBV/m



0 dB = 12.44 V/m = 21.90 dBV/m

HAC-RF Emission UAT

Communication System: UID 10069 - CAB, IEEE 802.11a/h WiFi 5 GHz (OFDM, 54 Mbps); Frequency: 5785 MHz; Duty Cycle: 1:11.3763

Phantom section: RF Section

DASY5 Configuration:

- Probe: EF3DV3 - SN4041 (5-6 GHz); ConvF(1, 1, 1); Calibrated: 3/14/2017;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1377; Calibrated: 9/14/2016
- 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)

802.11a E-Field measurement/IEEE 802.11a_OFDM 54 Mbps_ch 157/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 = 11.20 V/m; Power Drift = 1.63 dB

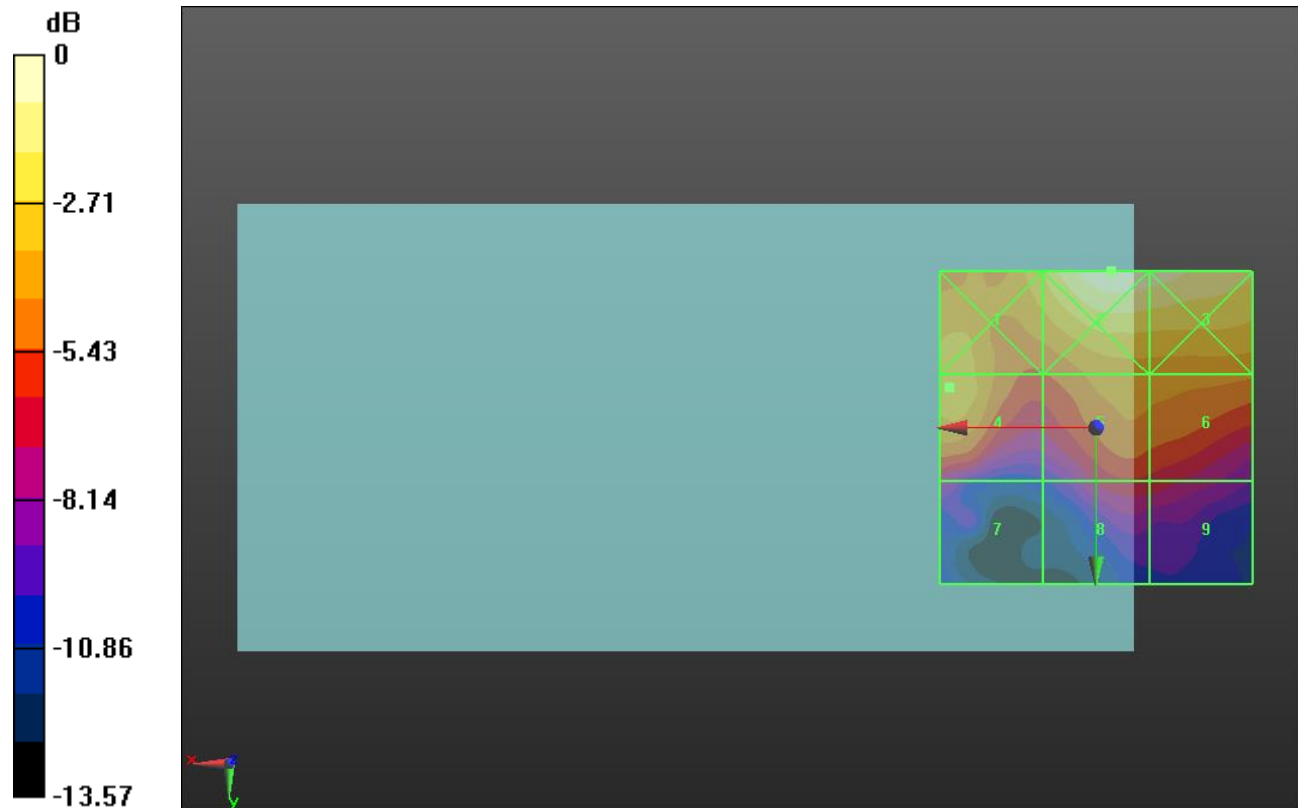
Applied MIF = -3.15 dB

RF audio interference level = 18.74 dBV/m

Emission category: **M4**

MIF scaled E-field

Grid 1 M4 19.05 dBV/m	Grid 2 M4 21.77 dBV/m	Grid 3 M4 21.53 dBV/m
Grid 4 M4 18.74 dBV/m	Grid 5 M4 17.8 dBV/m	Grid 6 M4 17.75 dBV/m
Grid 7 M4 14.11 dBV/m	Grid 8 M4 15.37 dBV/m	Grid 9 M4 15.19 dBV/m



0 dB = 12.26 V/m = 21.77 dBV/m

HAC-RF Emission UAT

Communication System: UID 10069 - CAB, IEEE 802.11a/h WiFi 5 GHz (OFDM, 54 Mbps); Frequency: 5805 MHz; Duty Cycle: 1:11.3763

Phantom section: RF Section

DASY5 Configuration:

- Probe: EF3DV3 - SN4041 (5-6 GHz); ConvF(1, 1, 1); Calibrated: 3/14/2017;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1377; Calibrated: 9/14/2016
- 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)

802.11a E-Field measurement/IEEE 802.11a_OFDM 54 Mbps_ch 161/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 = 12.95 V/m; Power Drift = 0.06 dB

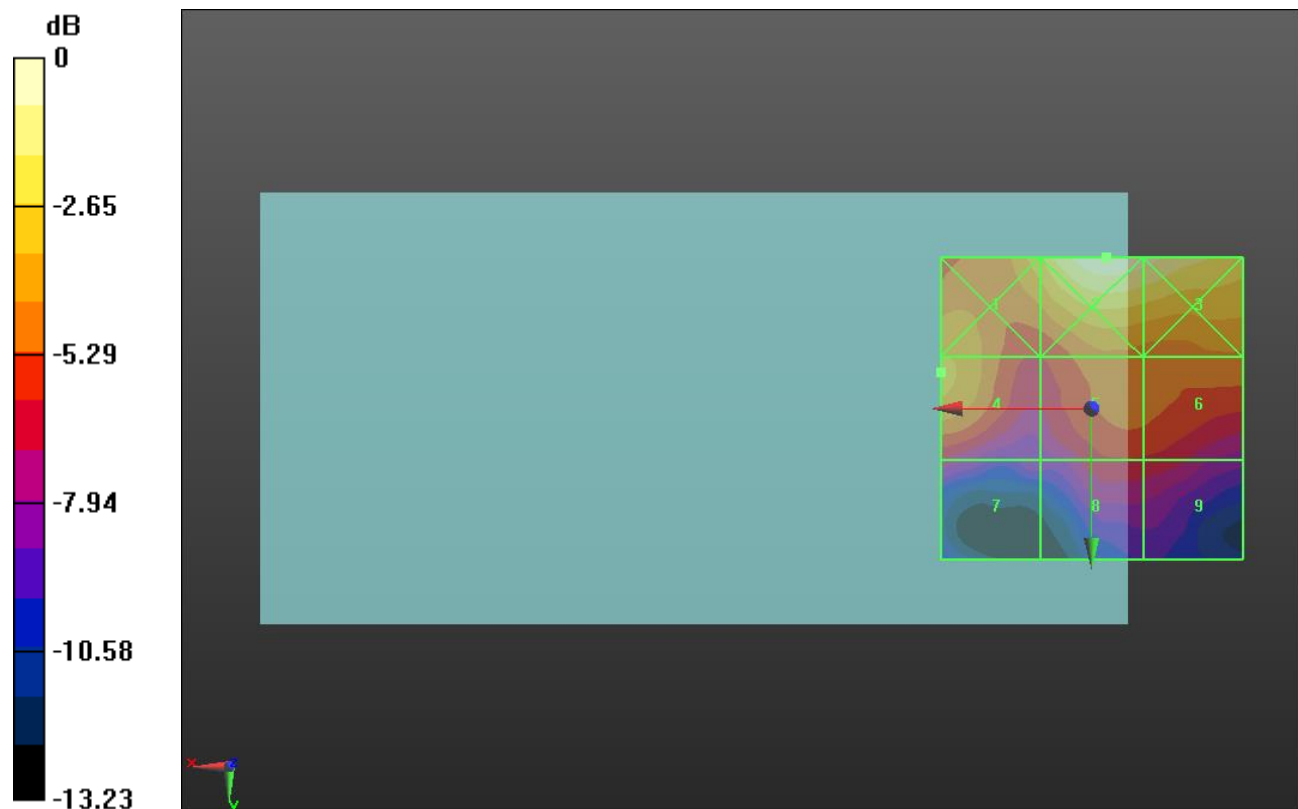
Applied MIF = -3.15 dB

RF audio interference level = 18.45 dBV/m

Emission category: **M4**

MIF scaled E-field

Grid 1 M4 19.05 dBV/m	Grid 2 M4 21.79 dBV/m	Grid 3 M4 21.34 dBV/m
Grid 4 M4 18.45 dBV/m	Grid 5 M4 17.25 dBV/m	Grid 6 M4 17.27 dBV/m
Grid 7 M4 14.81 dBV/m	Grid 8 M4 15.58 dBV/m	Grid 9 M4 15.51 dBV/m



0 dB = 12.29 V/m = 21.79 dBV/m

HAC-RF Emission LAT

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: ER3DV6 - SN2509; ConvF(1, 1, 1); Calibrated: 5/12/2017;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1377; Calibrated: 9/14/2016
- 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 = 35.06 V/m; Power Drift = -0.13 dB

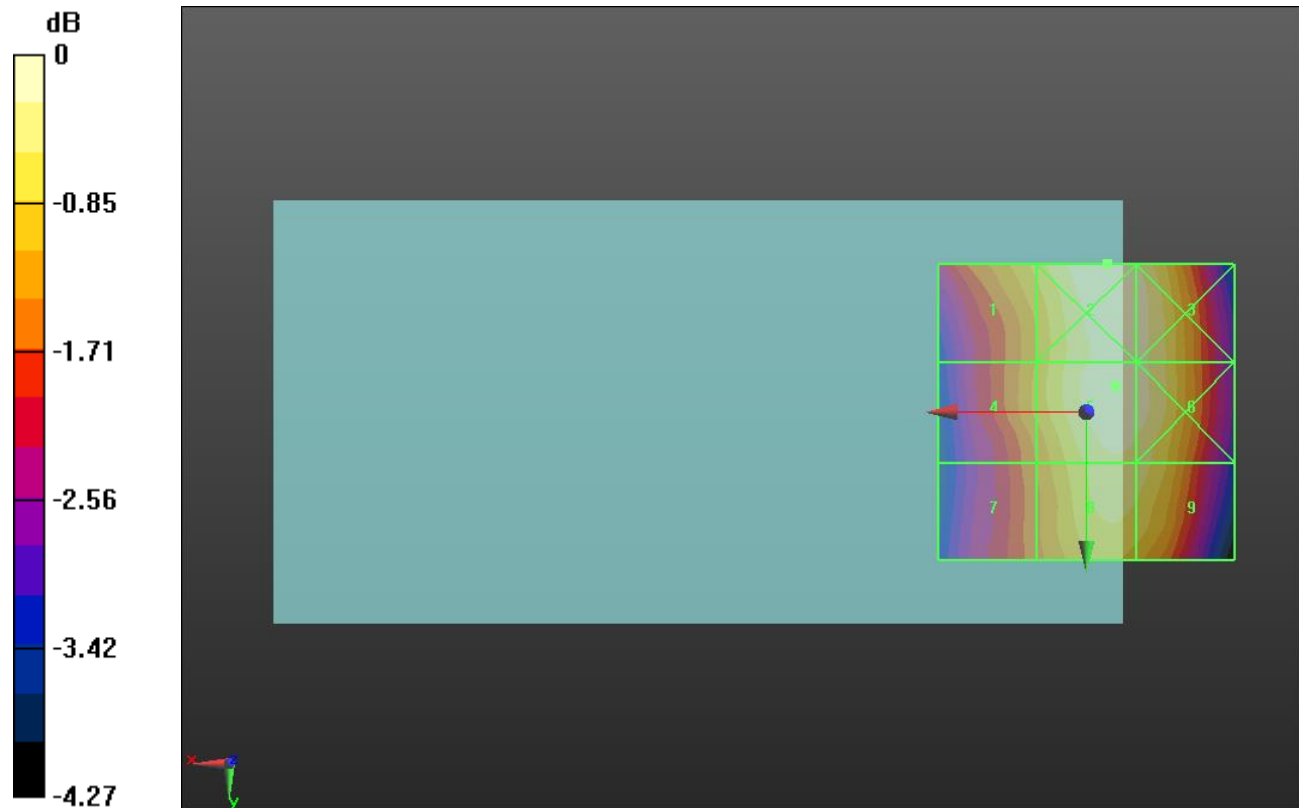
Applied MIF = 3.63 dB

RF audio interference level = 32.48 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 31.74 dBV/m	Grid 2 M4 32.49 dBV/m	Grid 3 M4 32.37 dBV/m
Grid 4 M4 31.45 dBV/m	Grid 5 M4 32.47 dBV/m	Grid 6 M4 32.37 dBV/m
Grid 7 M4 31.09 dBV/m	Grid 8 M4 32.15 dBV/m	Grid 9 M4 32.1 dBV/m



0 dB = 42.11 V/m = 32.49 dBV/m

HAC-RF Emission LAT

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: ER3DV6 - SN2509; ConvF(1, 1, 1); Calibrated: 5/12/2017;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1377; Calibrated: 9/14/2016
- 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 = 35.03 V/m; Power Drift = -0.06 dB

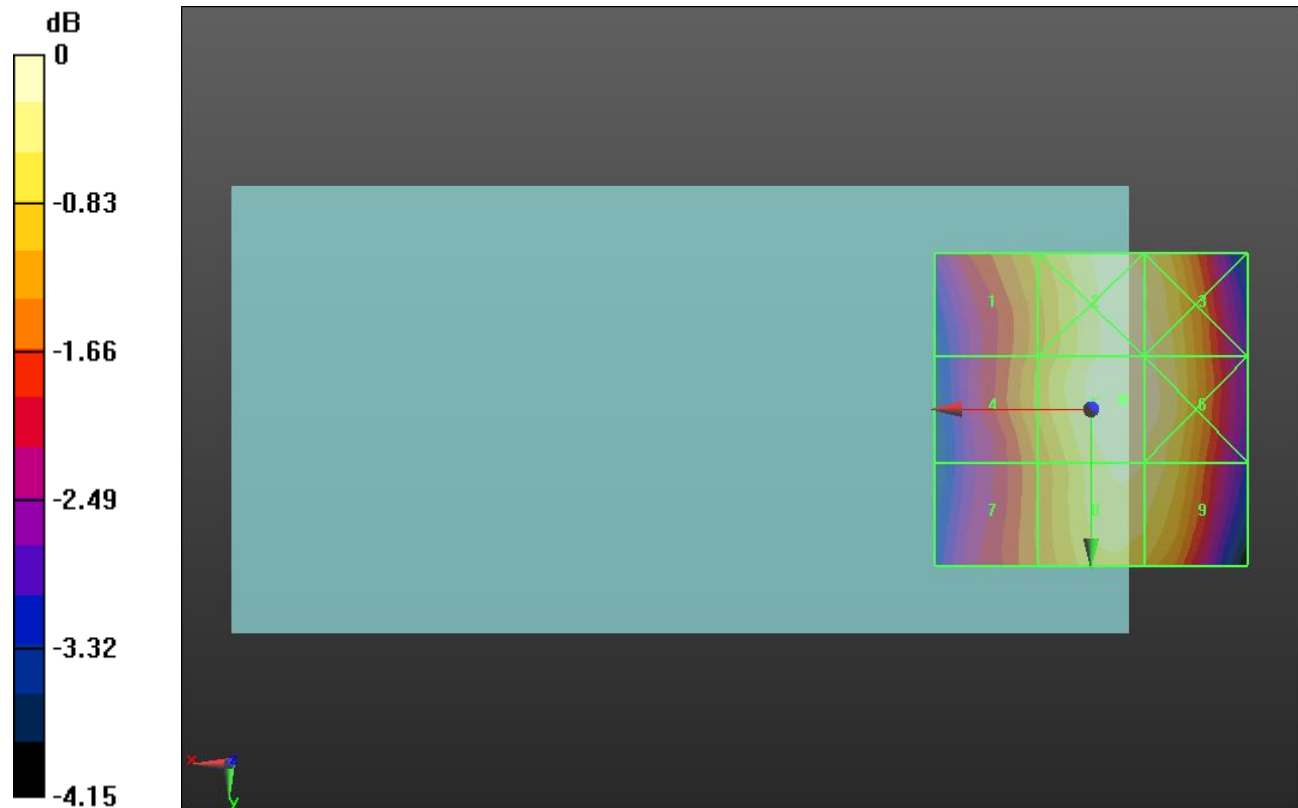
Applied MIF = 3.63 dB

RF audio interference level = 32.49 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 31.53 dBV/m	Grid 2 M4 32.41 dBV/m	Grid 3 M4 32.34 dBV/m
Grid 4 M4 31.48 dBV/m	Grid 5 M4 32.49 dBV/m	Grid 6 M4 32.4 dBV/m
Grid 7 M4 31.17 dBV/m	Grid 8 M4 32.28 dBV/m	Grid 9 M4 32.2 dBV/m



0 dB = 42.13 V/m = 32.49 dBV/m

HAC-RF Emission LAT

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: ER3DV6 - SN2509; ConvF(1, 1, 1); Calibrated: 5/12/2017;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1377; Calibrated: 9/14/2016
- 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 = 34.58 V/m; Power Drift = -0.03 dB

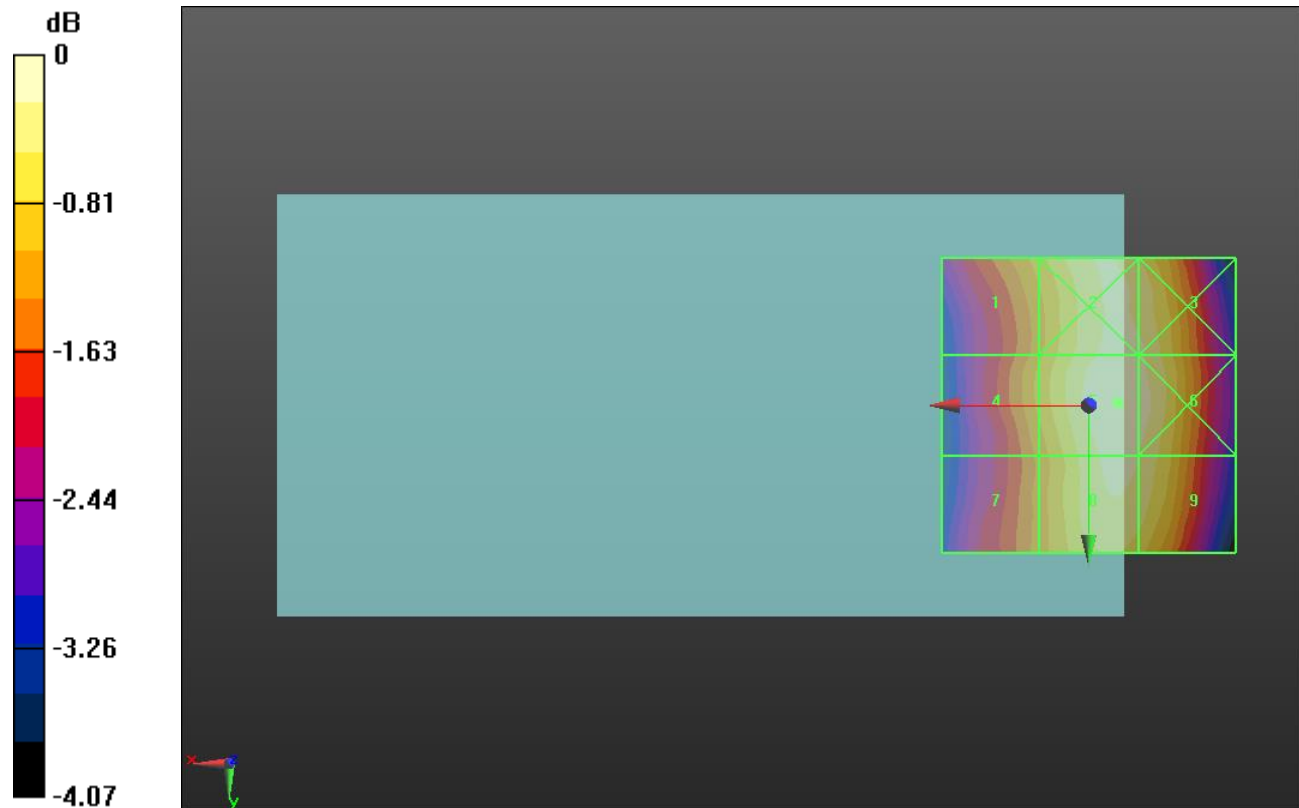
Applied MIF = 3.63 dB

RF audio interference level = 32.40 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 31.47 dBV/m	Grid 2 M4 32.28 dBV/m	Grid 3 M4 32.19 dBV/m
Grid 4 M4 31.4 dBV/m	Grid 5 M4 32.4 dBV/m	Grid 6 M4 32.29 dBV/m
Grid 7 M4 31.18 dBV/m	Grid 8 M4 32.22 dBV/m	Grid 9 M4 32.13 dBV/m



0 dB = 41.69 V/m = 32.40 dBV/m

HAC-RF Emission LAT

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: ER3DV6 - SN2509; ConvF(1, 1, 1); Calibrated: 5/12/2017;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1377; Calibrated: 9/14/2016
- 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 = 20.32 V/m; Power Drift = -0.05 dB

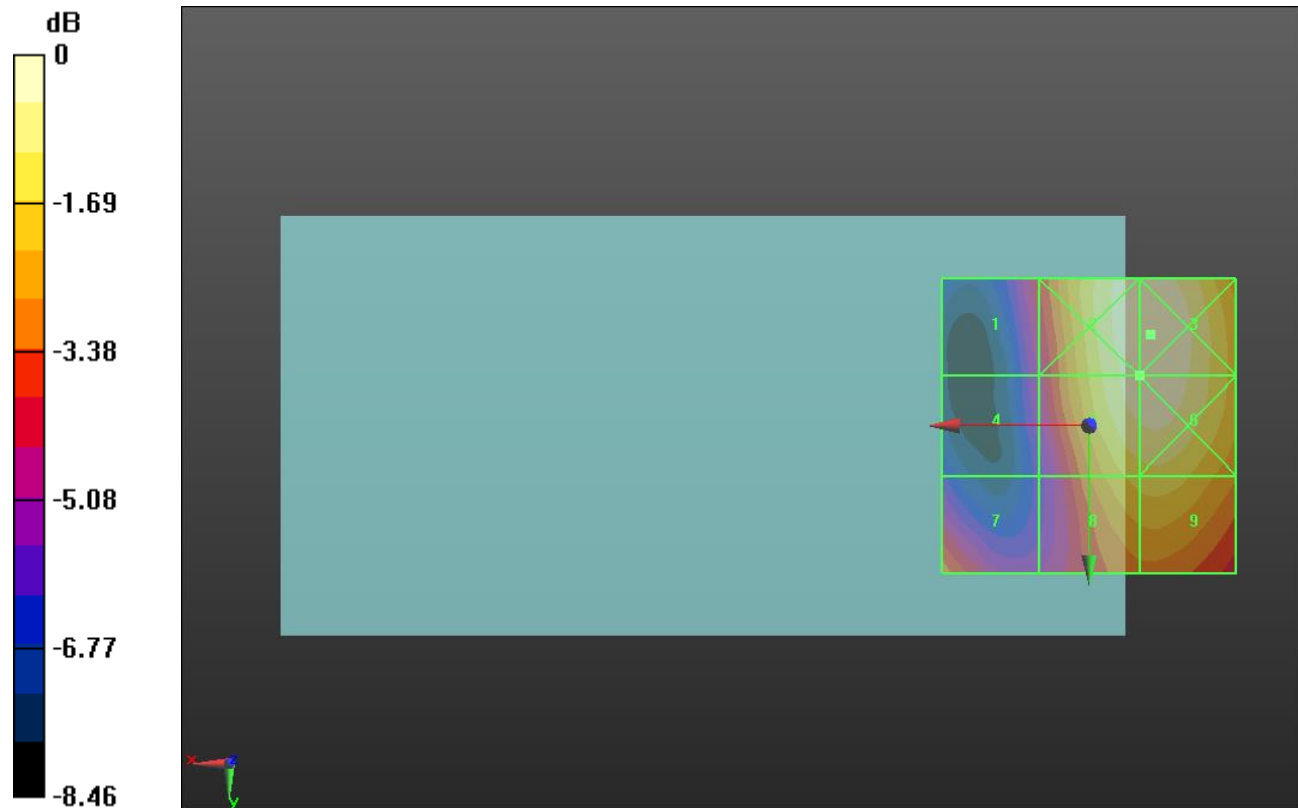
Applied MIF = 3.63 dB

RF audio interference level = 29.50 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 25.79 dBV/m	Grid 2 M4 29.66 dBV/m	Grid 3 M4 29.71 dBV/m
Grid 4 M4 24.9 dBV/m	Grid 5 M4 29.5 dBV/m	Grid 6 M4 29.59 dBV/m
Grid 7 M4 26.72 dBV/m	Grid 8 M4 28.29 dBV/m	Grid 9 M4 28.4 dBV/m



0 dB = 30.59 V/m = 29.71 dBV/m

HAC-RF Emission LAT

Communication System: UID 10021 - DAC, GSM-FDD (TDMA, GMSK); Frequency: 1880 MHz; Duty Cycle: 1:8.6896

Phantom section: RF Section

DASY5 Configuration:

- Probe: ER3DV6 - SN2509; ConvF(1, 1, 1); Calibrated: 5/12/2017;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1377; Calibrated: 9/14/2016
- 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 = 19.68 V/m; Power Drift = 0.03 dB

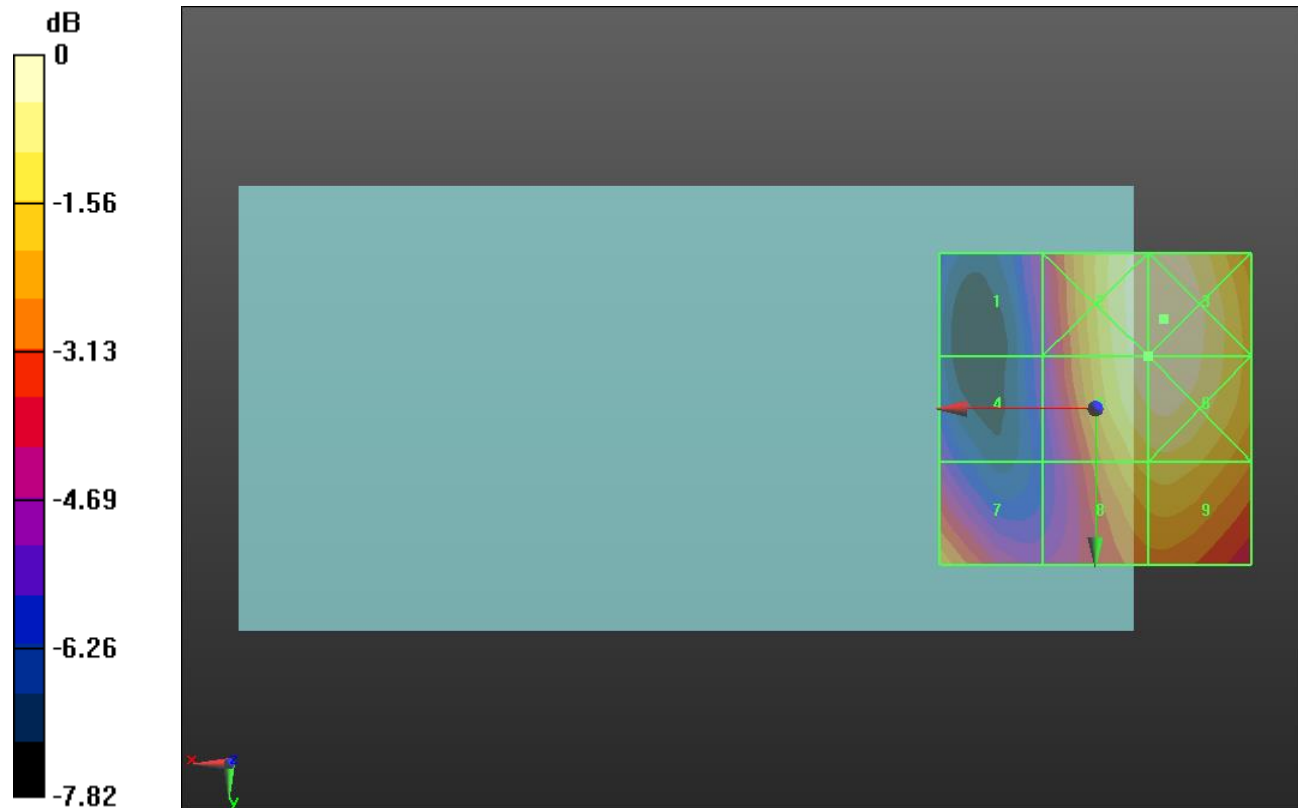
Applied MIF = 3.63 dB

RF audio interference level = 29.43 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 25.16 dBV/m	Grid 2 M4 29.52 dBV/m	Grid 3 M4 29.62 dBV/m
Grid 4 M4 24.7 dBV/m	Grid 5 M4 29.43 dBV/m	Grid 6 M4 29.54 dBV/m
Grid 7 M4 27.5 dBV/m	Grid 8 M4 28.31 dBV/m	Grid 9 M4 28.43 dBV/m



0 dB = 30.26 V/m = 29.62 dBV/m

HAC-RF Emission LAT

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: ER3DV6 - SN2509; ConvF(1, 1, 1); Calibrated: 5/12/2017;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1377; Calibrated: 9/14/2016
- 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 = 19.09 V/m; Power Drift = -0.03 dB

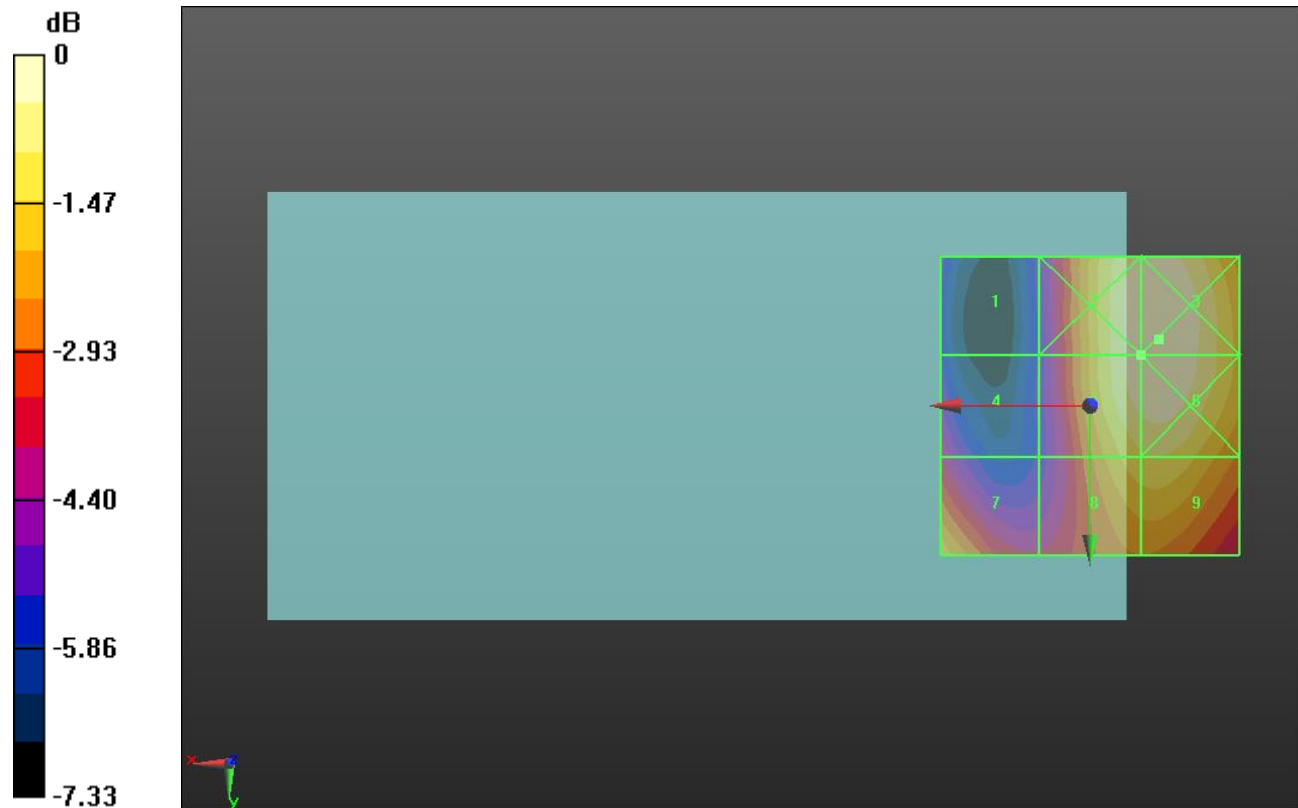
Applied MIF = 3.63 dB

RF audio interference level = 29.01 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 24.3 dBV/m	Grid 2 M4 29.02 dBV/m	Grid 3 M4 29.17 dBV/m
Grid 4 M4 25.29 dBV/m	Grid 5 M4 29.01 dBV/m	Grid 6 M4 29.15 dBV/m
Grid 7 M4 27.66 dBV/m	Grid 8 M4 28.12 dBV/m	Grid 9 M4 28.23 dBV/m



0 dB = 28.74 V/m = 29.17 dBV/m

HAC-RF Emission LAT

Communication System: UID 10295 - AAB, CDMA2000, RC1, SO3, 1/8th Rate 25 fr.; Frequency: 824.7 MHz; Duty Cycle: 1:17.7419

Phantom section: RF Section

DASY5 Configuration:

- Probe: ER3DV6 - SN2509; ConvF(1, 1, 1); Calibrated: 5/12/2017;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1377; Calibrated: 9/14/2016
- 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)

CDMA BC0 E-Field measurement/RC1_SO3_Ch 1013/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 = 21.79 V/m; Power Drift = 0.01 dB

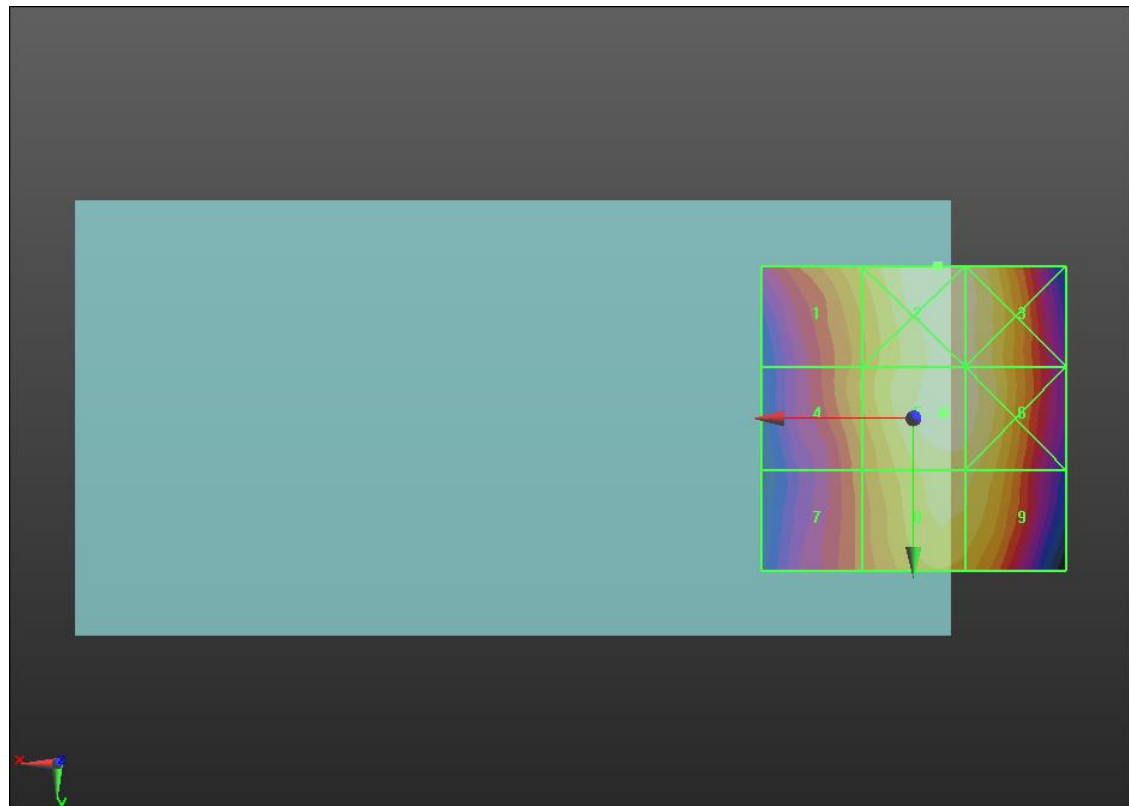
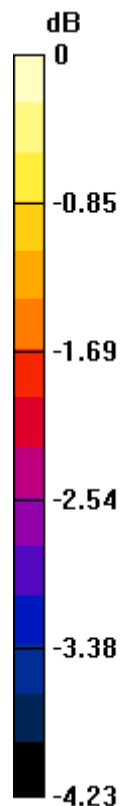
Applied MIF = 3.26 dB

RF audio interference level = 28.09 dBV/m

Emission category: **M4**

MIF scaled E-field

Grid 1 M4 27.34 dBV/m	Grid 2 M4 28.1 dBV/m	Grid 3 M4 27.96 dBV/m
Grid 4 M4 27.03 dBV/m	Grid 5 M4 28.09 dBV/m	Grid 6 M4 27.98 dBV/m
Grid 7 M4 26.63 dBV/m	Grid 8 M4 27.75 dBV/m	Grid 9 M4 27.66 dBV/m



0 dB = 25.41 V/m = 28.10 dBV/m

HAC-RF Emission LAT

Communication System: UID 10295 - AAB, CDMA2000, RC1, SO3, 1/8th Rate 25 fr.; Frequency: 836.60 MHz; Duty Cycle: 1:17.7419

Phantom section: RF Section

DASY5 Configuration:

- Probe: ER3DV6 - SN2509; ConvF(1, 1, 1); Calibrated: 5/12/2017;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1377; Calibrated: 9/14/2016
- 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)

CDMA BC0 E-Field measurement/RC1_SO3_Ch 384/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 = 20.97 V/m; Power Drift = 0.02 dB

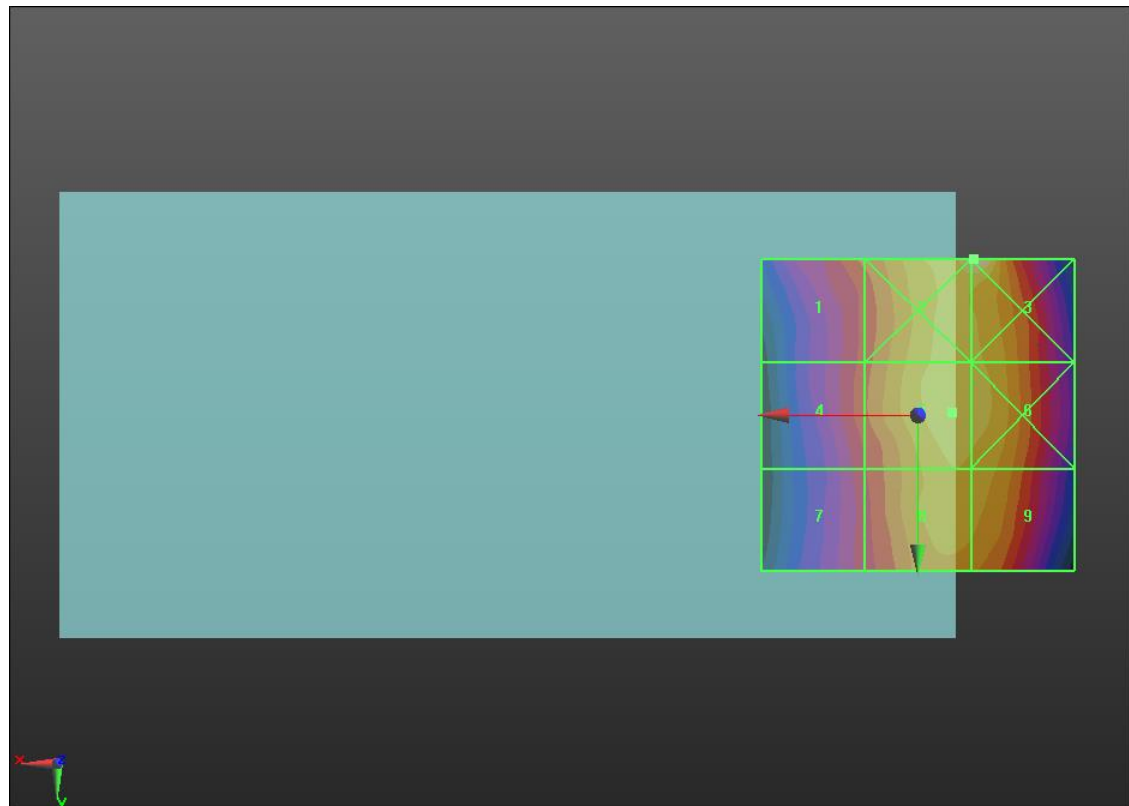
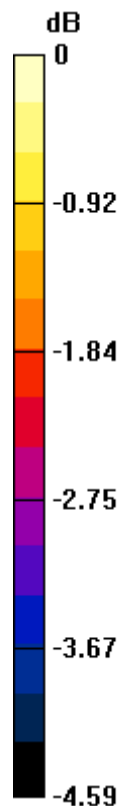
Applied MIF = 3.26 dB

RF audio interference level = 27.87 dBV/m

Emission category: **M4**

MIF scaled E-field

Grid 1 M4 26.79 dBV/m	Grid 2 M4 28.46 dBV/m	Grid 3 M4 28.52 dBV/m
Grid 4 M4 26.64 dBV/m	Grid 5 M4 27.87 dBV/m	Grid 6 M4 27.82 dBV/m
Grid 7 M4 26.35 dBV/m	Grid 8 M4 27.6 dBV/m	Grid 9 M4 27.55 dBV/m



0 dB = 26.66 V/m = 28.52 dBV/m

HAC-RF Emission LAT

Communication System: UID 10295 - AAB, CDMA2000, RC1, SO3, 1/8th Rate 25 fr.; Frequency: 848.31 MHz; Duty Cycle: 1:17.7419

Phantom section: RF Section

DASY5 Configuration:

- Probe: ER3DV6 - SN2509; ConvF(1, 1, 1); Calibrated: 5/12/2017;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1377; Calibrated: 9/14/2016
- 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)

CDMA BC0 E-Field measurement/RC1_SO3_Ch 777/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 = 19.62 V/m; Power Drift = -0.02 dB

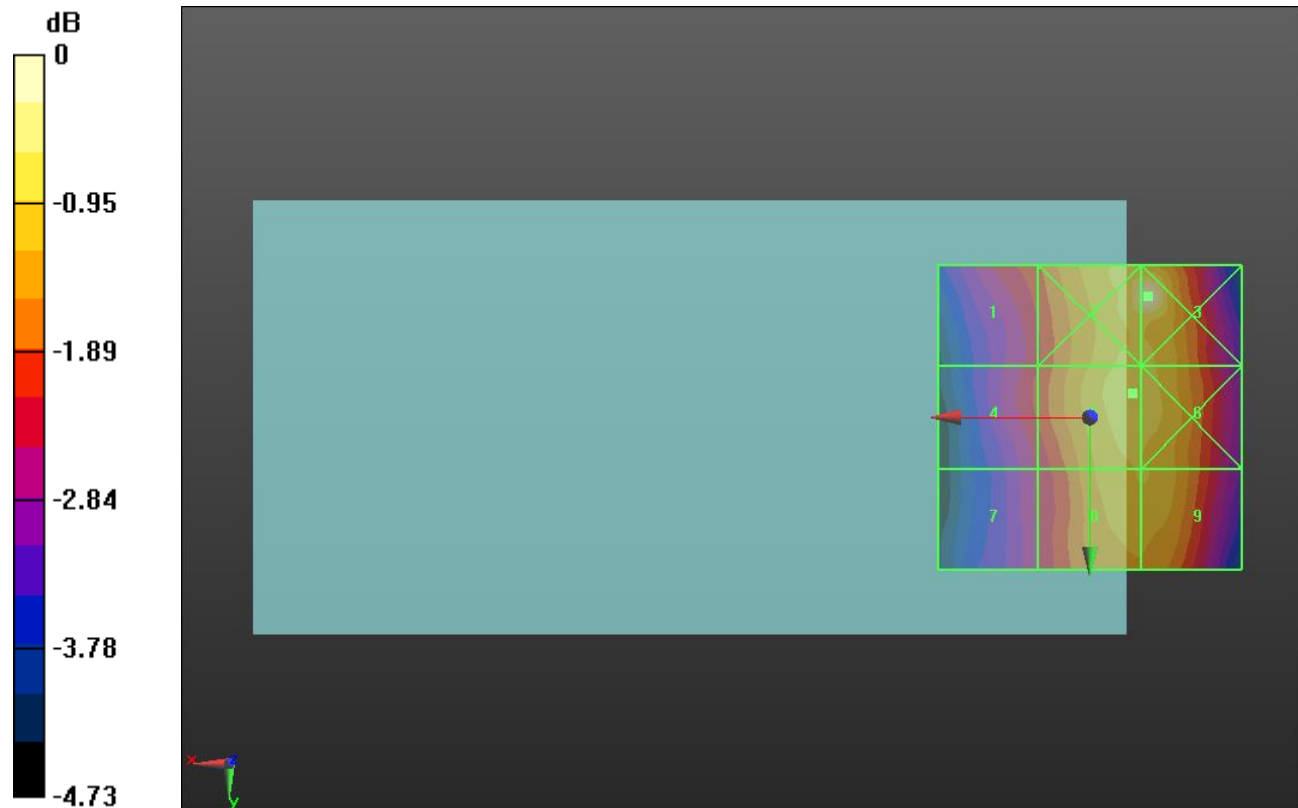
Applied MIF = 3.26 dB

RF audio interference level = 27.33 dBV/m

Emission category: **M4**

MIF scaled E-field

Grid 1 M4 26.17 dBV/m	Grid 2 M4 27.95 dBV/m	Grid 3 M4 28.09 dBV/m
Grid 4 M4 26.01 dBV/m	Grid 5 M4 27.33 dBV/m	Grid 6 M4 27.32 dBV/m
Grid 7 M4 25.67 dBV/m	Grid 8 M4 27.17 dBV/m	Grid 9 M4 27.17 dBV/m



0 dB = 25.39 V/m = 28.09 dBV/m

HAC-RF Emission LAT

Communication System: UID 10295 - AAB, CDMA2000, RC1, SO3, 1/8th Rate 25 fr.; Frequency: 1851.25 MHz; Duty Cycle: 1:17.7419

Phantom section: RF Section

DASY5 Configuration:

- Probe: ER3DV6 - SN2509; ConvF(1, 1, 1); Calibrated: 5/12/2017;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1377; Calibrated: 9/14/2016
- 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)

CDMA BC1 E-Field measurement/RC1_SO3_Ch 25/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 = 10.99 V/m; Power Drift = -0.02 dB

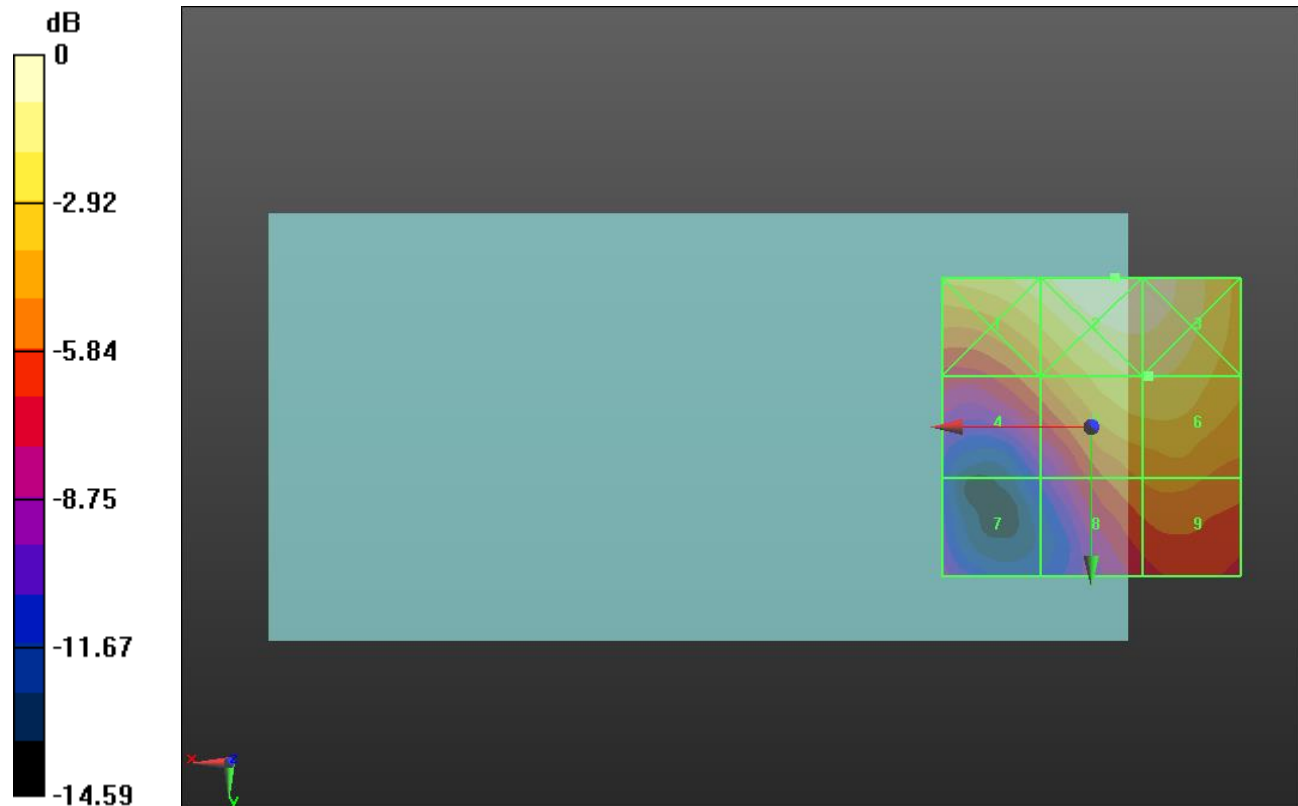
Applied MIF = 3.26 dB

RF audio interference level = 24.63 dBV/m

Emission category: **M4**

MIF scaled E-field

Grid 1 M4 25.29 dBV/m	Grid 2 M4 26.5 dBV/m	Grid 3 M4 26.26 dBV/m
Grid 4 M4 21.69 dBV/m	Grid 5 M4 24.62 dBV/m	Grid 6 M4 24.63 dBV/m
Grid 7 M4 17.49 dBV/m	Grid 8 M4 21.75 dBV/m	Grid 9 M4 22.03 dBV/m



0 dB = 21.14 V/m = 26.50 dBV/m

HAC-RF Emission LAT

Communication System: UID 10295 - AAB, CDMA2000, RC1, SO3, 1/8th Rate 25 fr.; Frequency: 1880 MHz; Duty Cycle: 1:17.7419

Phantom section: RF Section

DASY5 Configuration:

- Probe: ER3DV6 - SN2509; ConvF(1, 1, 1); Calibrated: 5/12/2017;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1377; Calibrated: 9/14/2016
- 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)

CDMA BC1 E-Field measurement/RC1_SO3_Ch 600/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 = 10.49 V/m; Power Drift = -0.04 dB

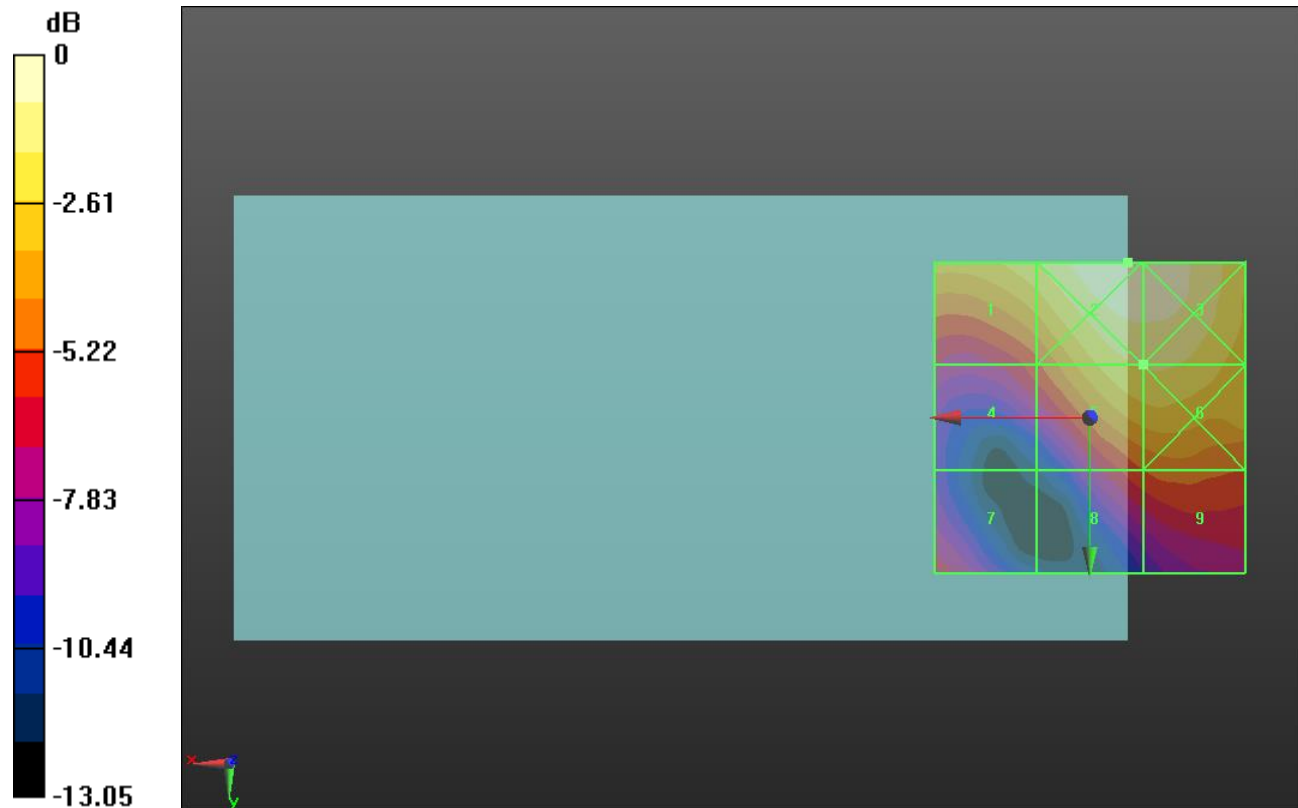
Applied MIF = 3.26 dB

RF audio interference level = 24.86 dBV/m

Emission category: **M4**

MIF scaled E-field

Grid 1 M4 24.79 dBV/m	Grid 2 M4 26.51 dBV/m	Grid 3 M4 26.45 dBV/m
Grid 4 M4 21.06 dBV/m	Grid 5 M4 24.86 dBV/m	Grid 6 M4 24.91 dBV/m
Grid 7 M4 20.11 dBV/m	Grid 8 M4 21.27 dBV/m	Grid 9 M4 21.75 dBV/m



0 dB = 21.16 V/m = 26.51 dBV/m

HAC-RF Emission LAT

Communication System: UID 10295 - AAB, CDMA2000, RC1, SO3, 1/8th Rate 25 fr.; Frequency: 1908.75 MHz; Duty Cycle: 1:17.7419

Phantom section: RF Section

DASY5 Configuration:

- Probe: ER3DV6 - SN2509; ConvF(1, 1, 1); Calibrated: 5/12/2017;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1377; Calibrated: 9/14/2016
- 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)

CDMA BC1 E-Field measurement/RC1_SO3_Ch 1175/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 = 9.560 V/m; Power Drift = -0.02 dB

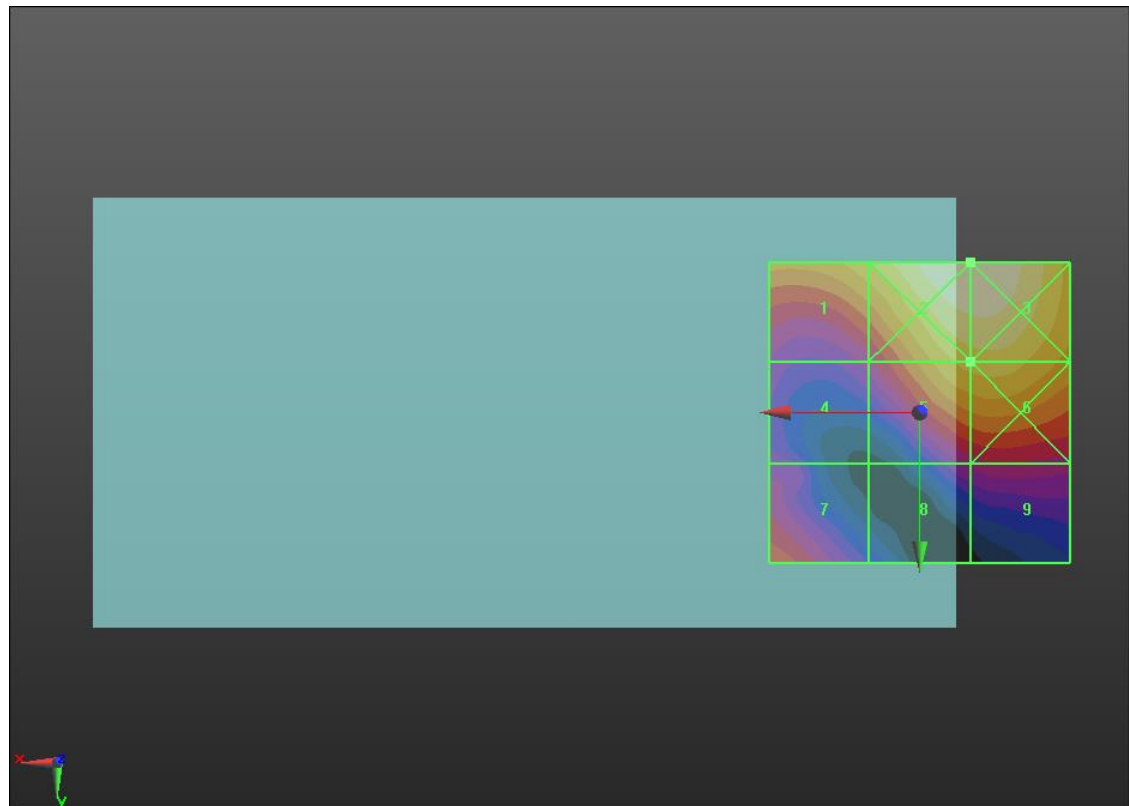
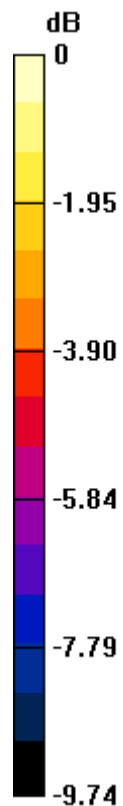
Applied MIF = 3.26 dB

RF audio interference level = 24.39 dBV/m

Emission category: **M4**

MIF scaled E-field

Grid 1 M4 24.11 dBV/m	Grid 2 M4 26.06 dBV/m	Grid 3 M4 26.06 dBV/m
Grid 4 M4 20.62 dBV/m	Grid 5 M4 24.39 dBV/m	Grid 6 M4 24.51 dBV/m
Grid 7 M4 22.07 dBV/m	Grid 8 M4 20.51 dBV/m	Grid 9 M4 20.91 dBV/m



0 dB = 20.09 V/m = 26.06 dBV/m

HAC-RF Emission LAT

Communication System: UID 10295 - AAB, CDMA2000, RC1, SO3, 1/8th Rate 25 fr.; Frequency: 817.3 MHz; Duty Cycle: 1:17.7419

Phantom section: RF Section

DASY5 Configuration:

- Probe: ER3DV6 - SN2509; ConvF(1, 1, 1); Calibrated: 5/12/2017;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1377; Calibrated: 9/14/2016
- 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)

CDMA BC10 E-Field measurement/RC1_SO3_ch 450/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 = 21.09 V/m; Power Drift = -0.04 dB

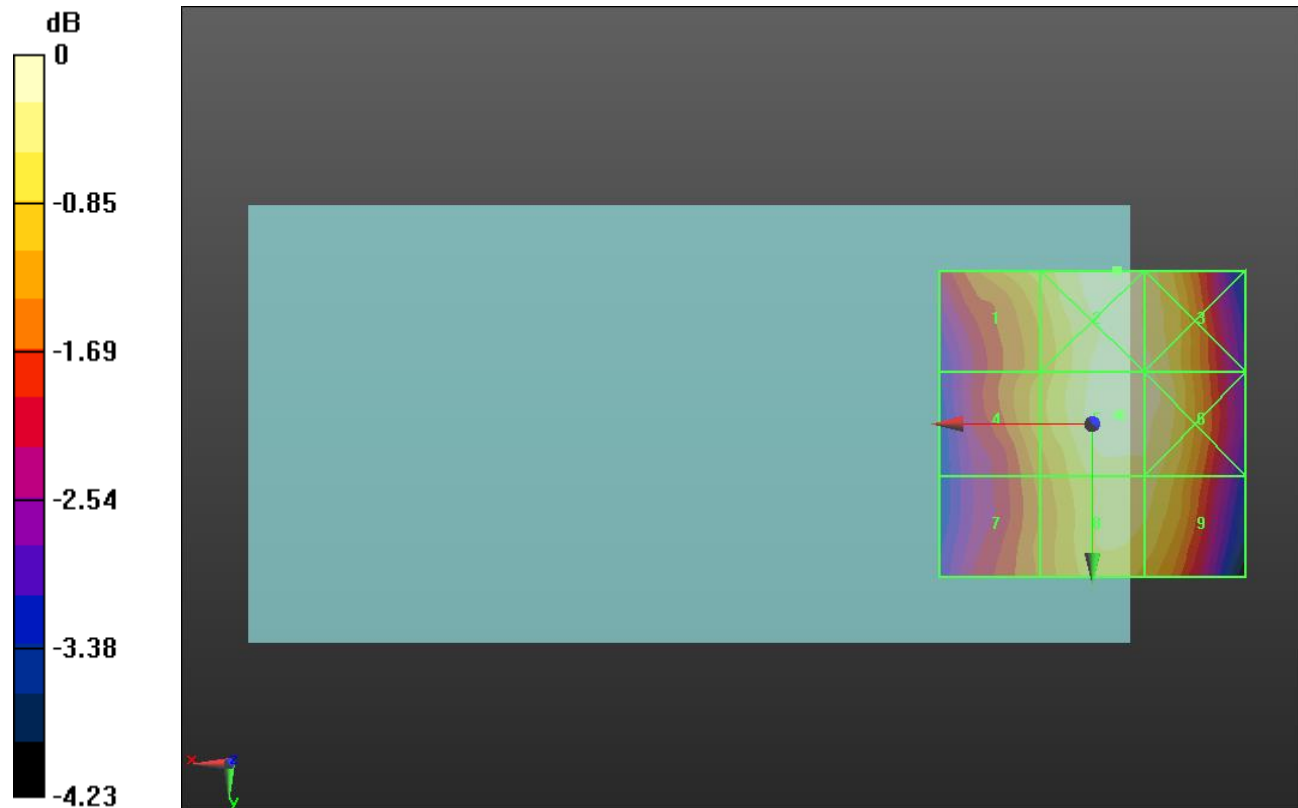
Applied MIF = 3.26 dB

RF audio interference level = 27.65 dBV/m

Emission category: **M4**

MIF scaled E-field

Grid 1 M4 26.97 dBV/m	Grid 2 M4 27.66 dBV/m	Grid 3 M4 27.49 dBV/m
Grid 4 M4 26.73 dBV/m	Grid 5 M4 27.65 dBV/m	Grid 6 M4 27.59 dBV/m
Grid 7 M4 26.37 dBV/m	Grid 8 M4 27.36 dBV/m	Grid 9 M4 27.27 dBV/m



0 dB = 24.16 V/m = 27.66 dBV/m

HAC-RF Emission LAT

Communication System: UID 10295 - AAB, CDMA2000, RC1, SO3, 1/8th Rate 25 fr.; Frequency: 820 MHz; Duty Cycle: 1:17.7419

Phantom section: RF Section

DASY5 Configuration:

- Probe: ER3DV6 - SN2509; ConvF(1, 1, 1); Calibrated: 5/12/2017;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1377; Calibrated: 9/14/2016
- 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)

CDMA BC10 E-Field measurement/RC1_SO3_ch 560/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 = 21.71 V/m; Power Drift = -0.08 dB

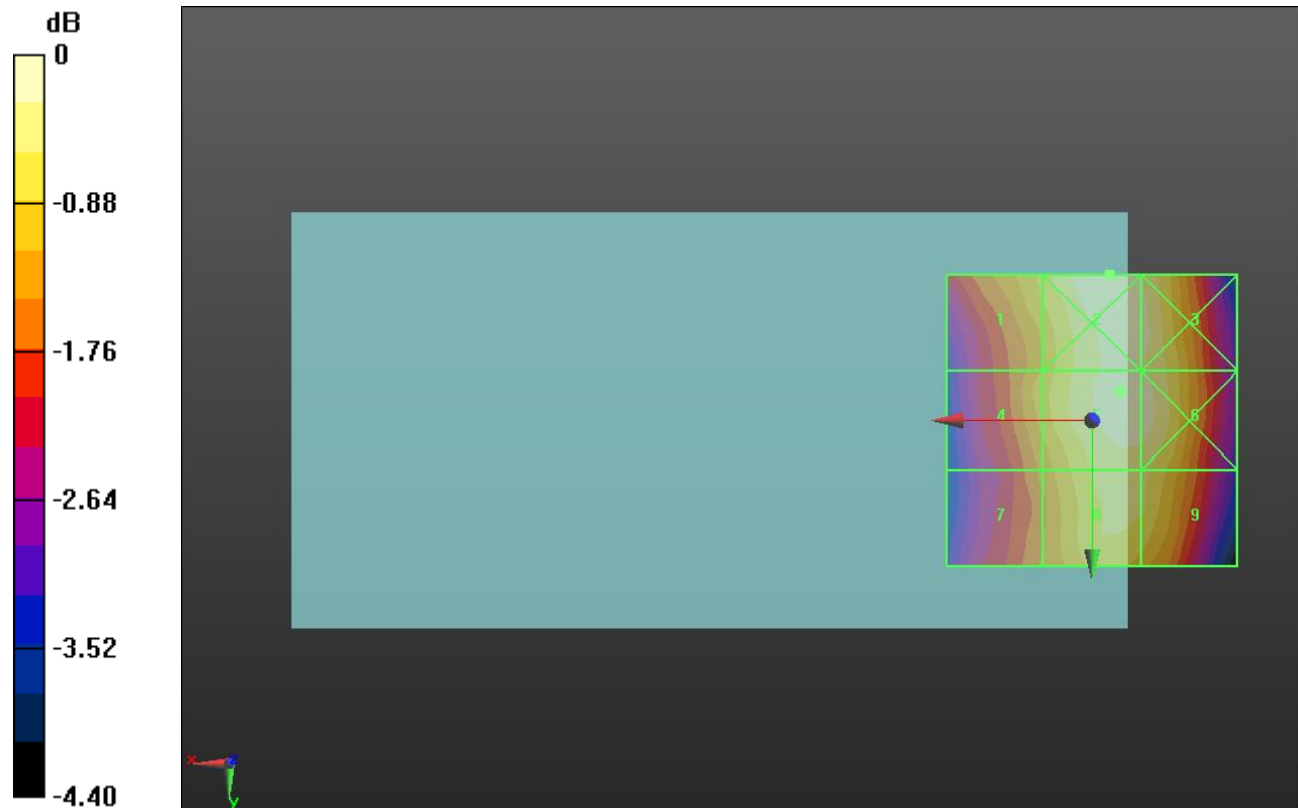
Applied MIF = 3.26 dB

RF audio interference level = 27.90 dBV/m

Emission category: **M4**

MIF scaled E-field

Grid 1 M4 27.21 dBV/m	Grid 2 M4 27.99 dBV/m	Grid 3 M4 27.82 dBV/m
Grid 4 M4 27.02 dBV/m	Grid 5 M4 27.9 dBV/m	Grid 6 M4 27.85 dBV/m
Grid 7 M4 26.64 dBV/m	Grid 8 M4 27.65 dBV/m	Grid 9 M4 27.54 dBV/m



0 dB = 25.10 V/m = 27.99 dBV/m

HAC-RF Emission LAT

Communication System: UID 10295 - AAB, CDMA2000, RC1, SO3, 1/8th Rate 25 fr.; Frequency: 822.8 MHz; Duty Cycle: 1:17.7419

Phantom section: RF Section

DASY5 Configuration:

- Probe: ER3DV6 - SN2509; ConvF(1, 1, 1); Calibrated: 5/12/2017;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1377; Calibrated: 9/14/2016
- 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)

CDMA BC10 E-Field measurement/RC1_SO3_ch 670/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 = 22.23 V/m; Power Drift = -0.16 dB

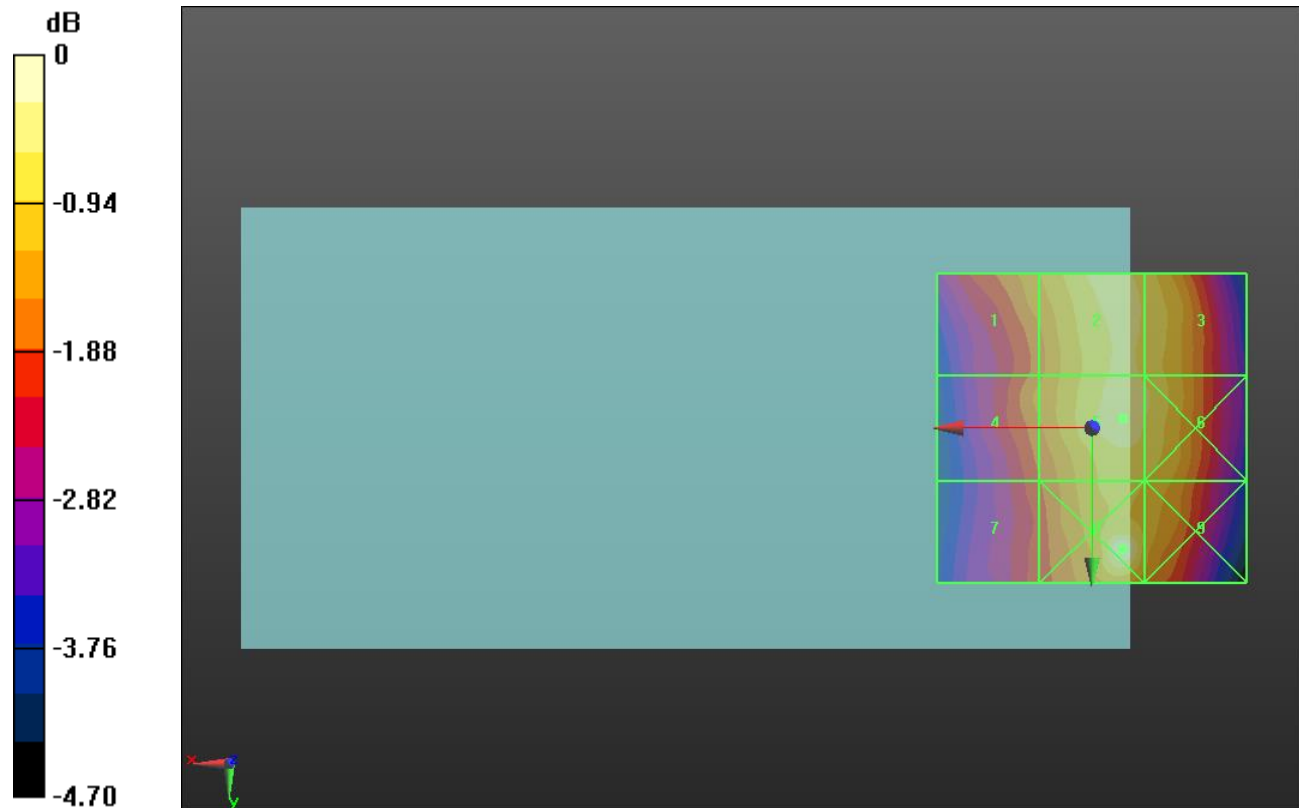
Applied MIF = 3.26 dB

RF audio interference level = 28.20 dBV/m

Emission category: **M4**

MIF scaled E-field

Grid 1 M4 27.39 dBV/m	Grid 2 M4 28.13 dBV/m	Grid 3 M4 28 dBV/m
Grid 4 M4 27.18 dBV/m	Grid 5 M4 28.2 dBV/m	Grid 6 M4 28.07 dBV/m
Grid 7 M4 26.75 dBV/m	Grid 8 M4 28.64 dBV/m	Grid 9 M4 27.72 dBV/m



0 dB = 27.05 V/m = 28.64 dBV/m

HAC-RF Emission LAT

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: ER3DV6 - SN2509; ConvF(1, 1, 1); Calibrated: 5/12/2017;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1377; Calibrated: 9/14/2016
- 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 1/50_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 = 16.97 V/m; Power Drift = 0.02 dB

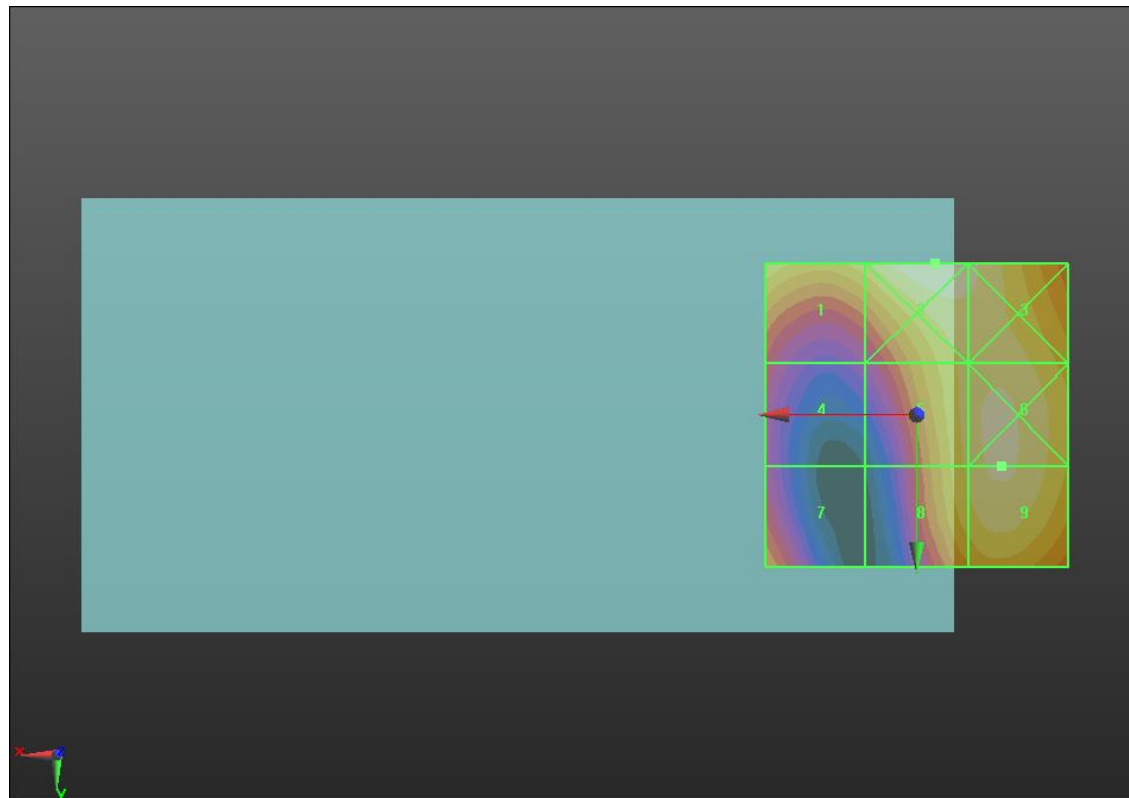
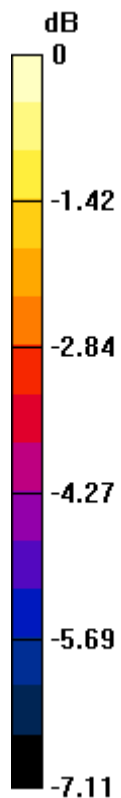
Applied MIF = -1.44 dB

RF audio interference level = 24.19 dBV/m

Emission category: **M4**

MIF scaled E-field

Grid 1 M4 23.71 dBV/m	Grid 2 M4 24.61 dBV/m	Grid 3 M4 24.32 dBV/m
Grid 4 M4 21.31 dBV/m	Grid 5 M4 23.88 dBV/m	Grid 6 M4 24.23 dBV/m
Grid 7 M4 22.27 dBV/m	Grid 8 M4 23.77 dBV/m	Grid 9 M4 24.19 dBV/m



0 dB = 16.99 V/m = 24.60 dBV/m

HAC-RF Emission LAT

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: ER3DV6 - SN2509; ConvF(1, 1, 1); Calibrated: 5/12/2017;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1377; Calibrated: 9/14/2016
- 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 1/50_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 = 15.15 V/m; Power Drift = -0.05 dB

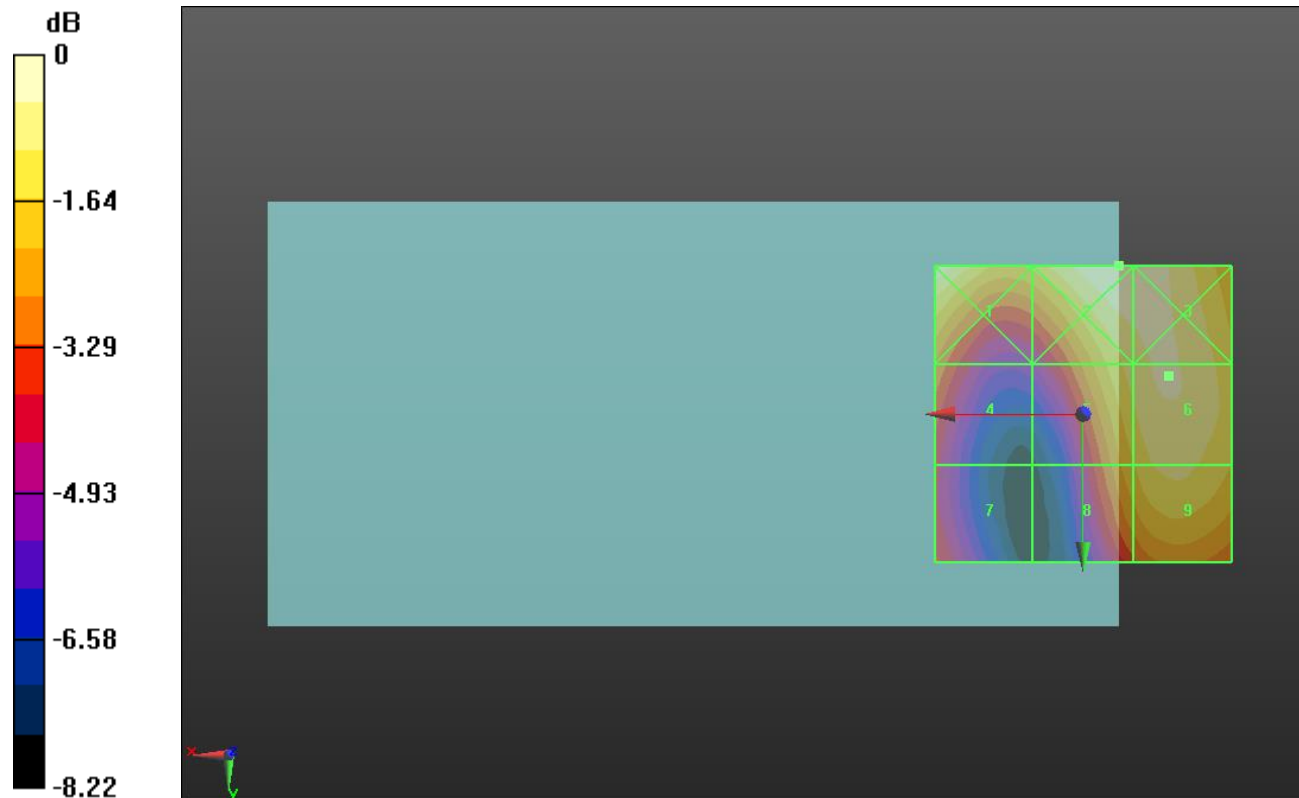
Applied MIF = -1.44 dB

RF audio interference level = 24.13 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 24.59 dBV/m	Grid 2 M4 24.61 dBV/m	Grid 3 M4 24.53 dBV/m
Grid 4 M4 21.89 dBV/m	Grid 5 M4 23.79 dBV/m	Grid 6 M4 24.13 dBV/m
Grid 7 M4 20.95 dBV/m	Grid 8 M4 22.96 dBV/m	Grid 9 M4 23.69 dBV/m



0 dB = 17.00 V/m = 24.61 dBV/m

HAC-RF Emission LAT

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: ER3DV6 - SN2509; ConvF(1, 1, 1); Calibrated: 5/12/2017;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1377; Calibrated: 9/14/2016
- 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 1/50_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 = 15.39 V/m; Power Drift = -0.00 dB

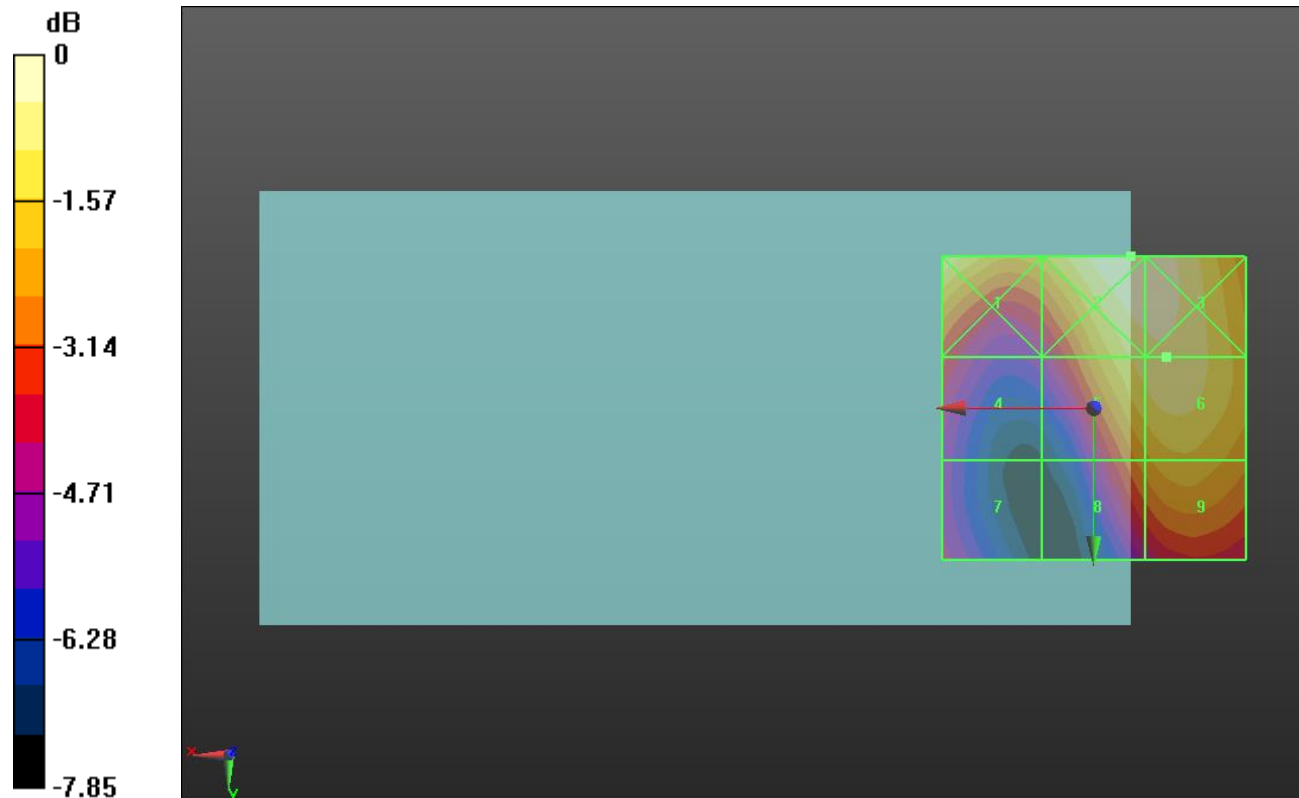
Applied MIF = -1.44 dB

RF audio interference level = 23.77 dBV/m

Emission category: **M4**

MIF scaled E-field

Grid 1 M4 23.91 dBV/m	Grid 2 M4 24.36 dBV/m	Grid 3 M4 24.29 dBV/m
Grid 4 M4 20.95 dBV/m	Grid 5 M4 23.61 dBV/m	Grid 6 M4 23.77 dBV/m
Grid 7 M4 19.94 dBV/m	Grid 8 M4 22.11 dBV/m	Grid 9 M4 22.7 dBV/m



0 dB = 16.53 V/m = 24.37 dBV/m

HAC-RF Emission LAT

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: ER3DV6 - SN2509; ConvF(1, 1, 1); Calibrated: 5/12/2017;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1377; Calibrated: 9/14/2016
- 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 1/50_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 = 14.21 V/m; Power Drift = -0.04 dB

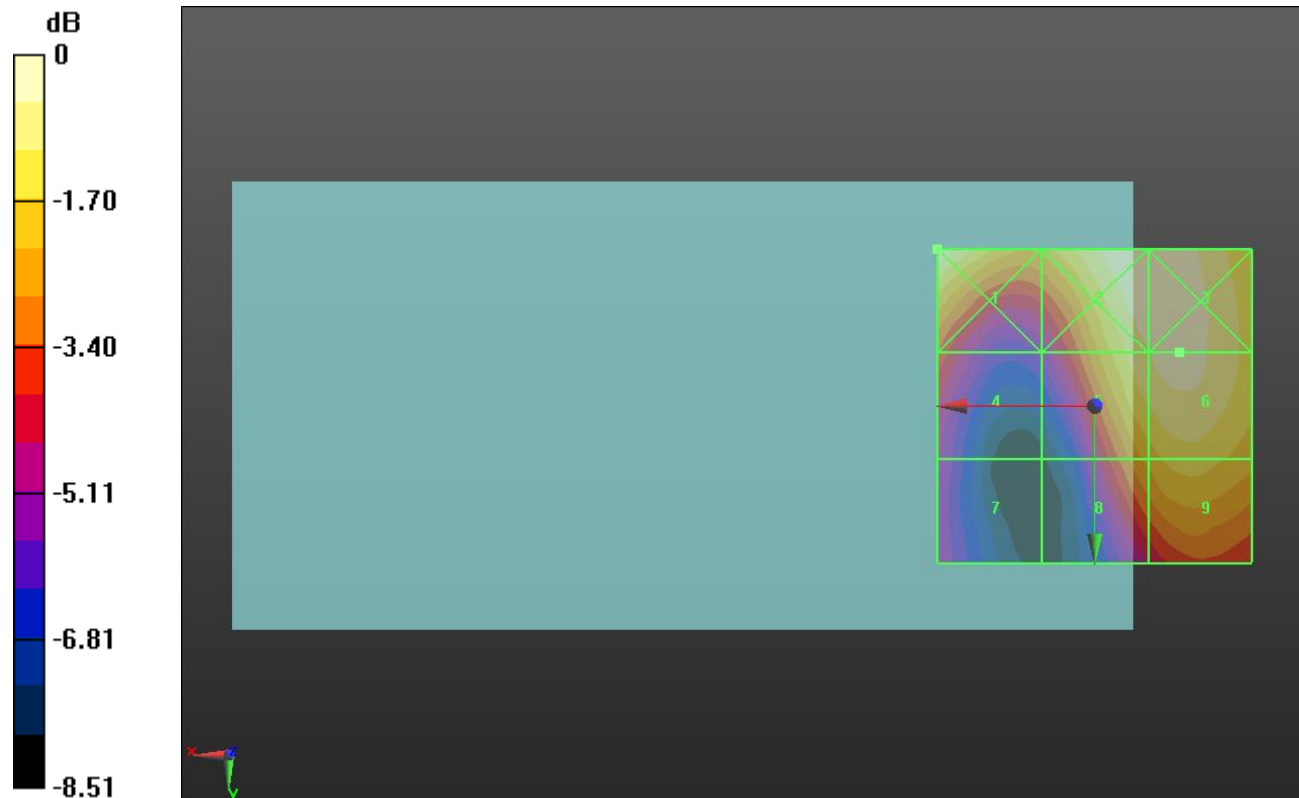
Applied MIF = -1.44 dB

RF audio interference level = 23.18 dBV/m

Emission category: **M4**

MIF scaled E-field

Grid 1 M4 23.47 dBV/m	Grid 2 M4 23.39 dBV/m	Grid 3 M4 23.39 dBV/m
Grid 4 M4 20.05 dBV/m	Grid 5 M4 22.88 dBV/m	Grid 6 M4 23.18 dBV/m
Grid 7 M4 18.51 dBV/m	Grid 8 M4 21.4 dBV/m	Grid 9 M4 22.08 dBV/m



0 dB = 14.92 V/m = 23.48 dBV/m

HAC-RF Emission LAT

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: ER3DV6 - SN2509; ConvF(1, 1, 1); Calibrated: 5/12/2017;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1377; Calibrated: 9/14/2016
- 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 1/50_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 = 13.92 V/m; Power Drift = 0.00 dB

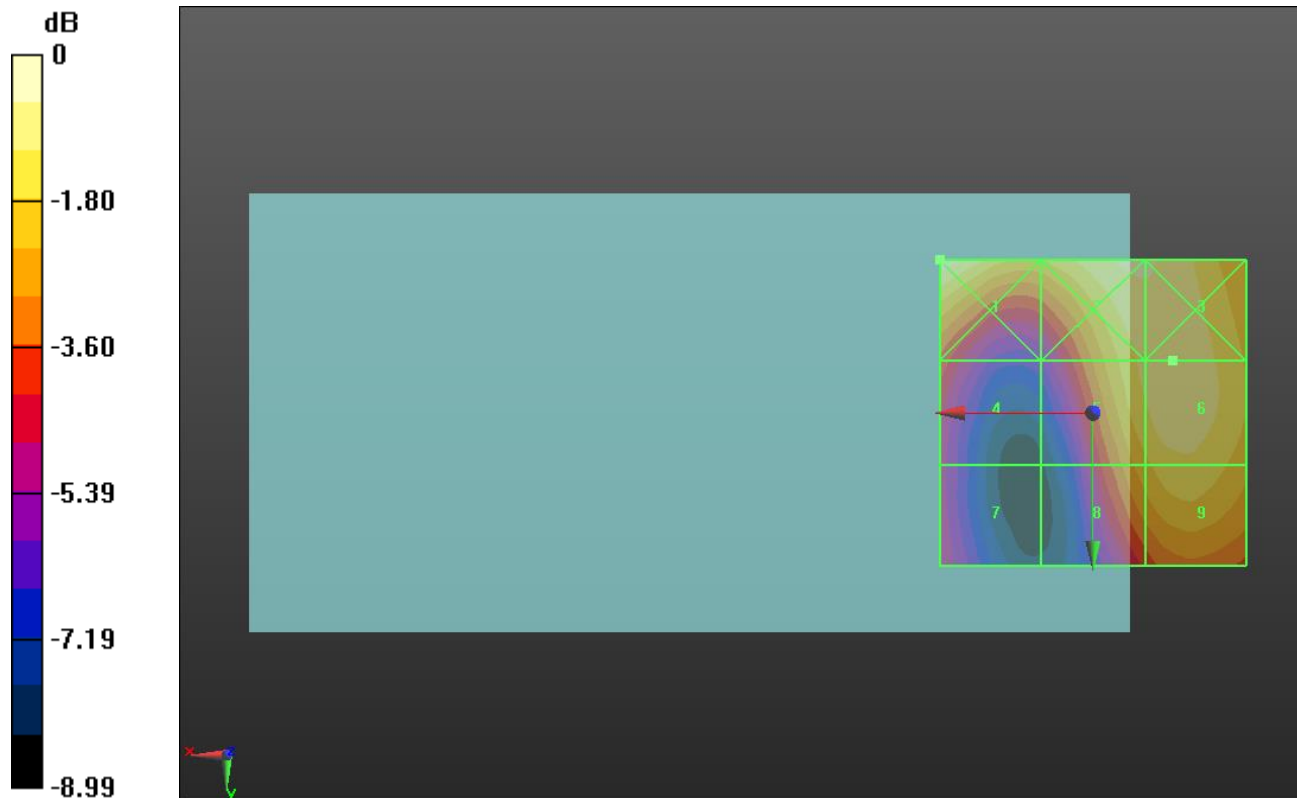
Applied MIF = -1.44 dB

RF audio interference level = 22.76 dBV/m

Emission category: **M4**

MIF scaled E-field

Grid 1 M4 23.47 dBV/m	Grid 2 M4 22.98 dBV/m	Grid 3 M4 22.95 dBV/m
Grid 4 M4 19.78 dBV/m	Grid 5 M4 22.46 dBV/m	Grid 6 M4 22.76 dBV/m
Grid 7 M4 18.67 dBV/m	Grid 8 M4 21.49 dBV/m	Grid 9 M4 22.17 dBV/m



0 dB = 14.91 V/m = 23.47 dBV/m

HAC-RF Emission LAT

Communication System: UID 10061 - CAB, IEEE 802.11b WiFi 2.4 GHz (DSSS, 11 Mbps); Frequency: 2417 MHz; Duty Cycle: 1:2.29087

Phantom section: RF Section

DASY5 Configuration:

- Probe: ER3DV6 - SN2509; ConvF(1, 1, 1); Calibrated: 5/12/2017;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1377; Calibrated: 9/14/2016
- 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)

802.11b E-Field measurement/IEEE 802.11b_OFDM 11 Mbps_ch 2/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 = 14.36 V/m; Power Drift = -0.13 dB

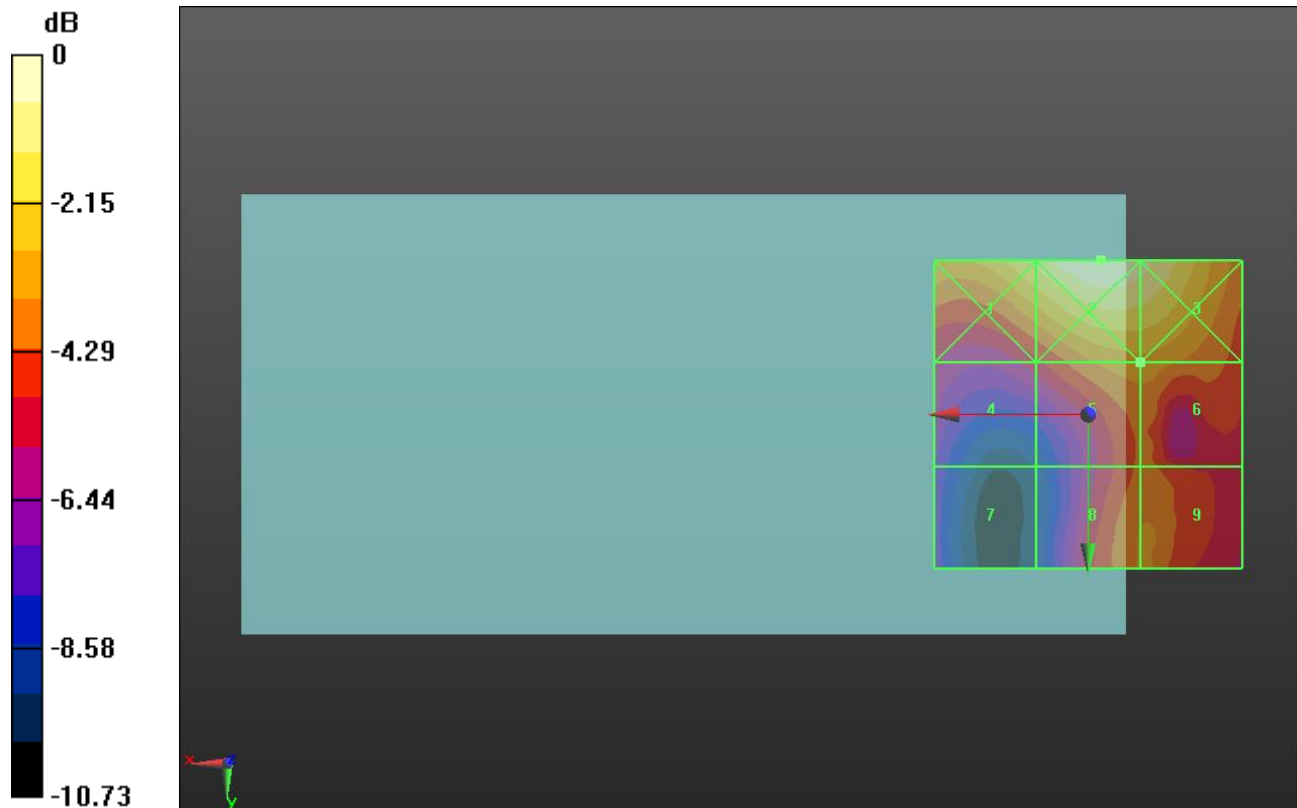
Applied MIF = -2.02 dB

RF audio interference level = 22.19 dBV/m

Emission category: **M4**

MIF scaled E-field

Grid 1 M4 24.1 dBV/m	Grid 2 M4 25.26 dBV/m	Grid 3 M4 24.84 dBV/m
Grid 4 M4 20.02 dBV/m	Grid 5 M4 22.19 dBV/m	Grid 6 M4 22.19 dBV/m
Grid 7 M4 18.18 dBV/m	Grid 8 M4 21.76 dBV/m	Grid 9 M4 21.79 dBV/m



0 dB = 18.33 V/m = 25.26 dBV/m

HAC-RF Emission LAT

Communication System: UID 10061 - CAB, IEEE 802.11b WiFi 2.4 GHz (DSSS, 11 Mbps); Frequency: 2437 MHz; Duty Cycle: 1:2.29087

Phantom section: RF Section

DASY5 Configuration:

- Probe: ER3DV6 - SN2509; ConvF(1, 1, 1); Calibrated: 5/12/2017;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1377; Calibrated: 9/14/2016
- 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)

802.11b E-Field measurement/IEEE 802.11b_OFDM 11 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 = 14.26 V/m; Power Drift = 0.64 dB

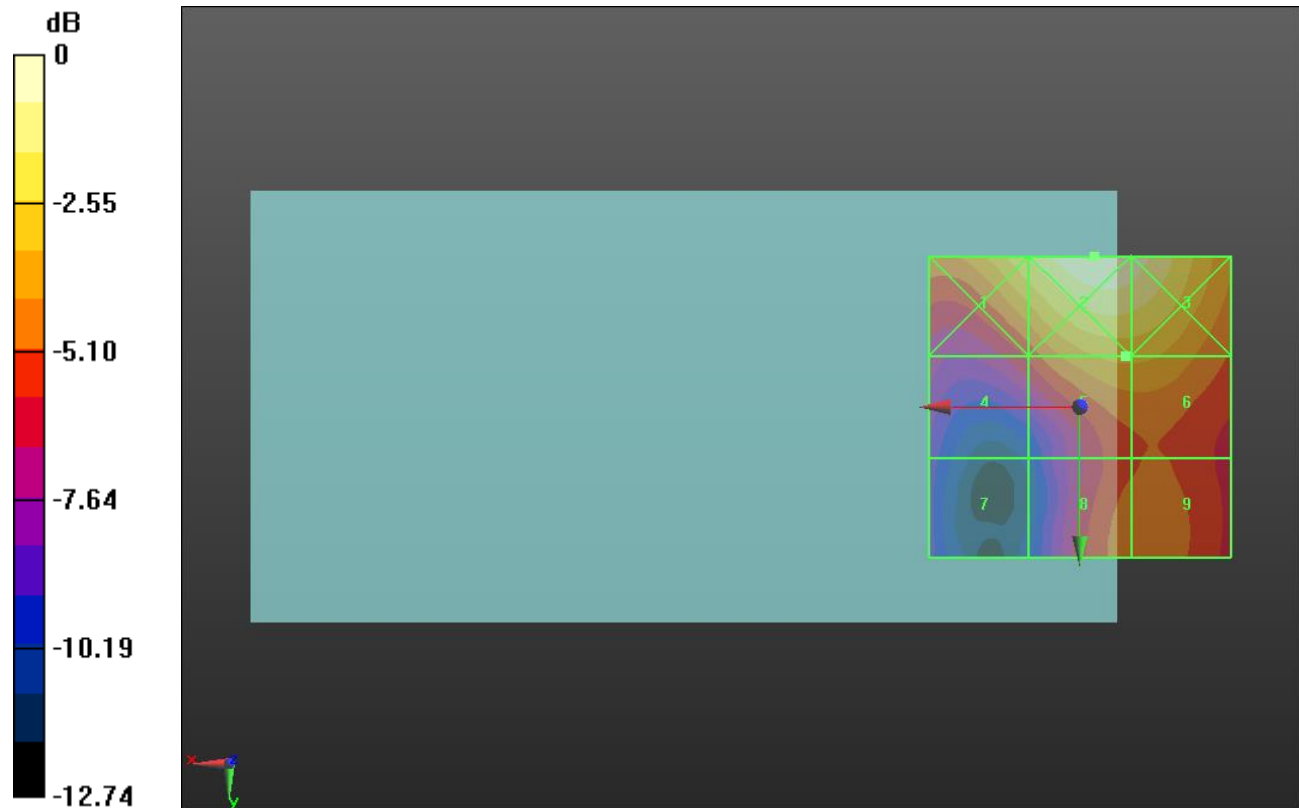
Applied MIF = -2.02 dB

RF audio interference level = 22.88 dBV/m

Emission category: **M4**

MIF scaled E-field

Grid 1 M4 24.37 dBV/m	Grid 2 M4 26.01 dBV/m	Grid 3 M4 25.63 dBV/m
Grid 4 M4 20.34 dBV/m	Grid 5 M4 22.88 dBV/m	Grid 6 M4 22.88 dBV/m
Grid 7 M4 17.35 dBV/m	Grid 8 M4 21.45 dBV/m	Grid 9 M4 21.54 dBV/m



0 dB = 19.97 V/m = 26.01 dBV/m

HAC-RF Emission LAT

Communication System: UID 10061 - CAB, IEEE 802.11b WiFi 2.4 GHz (DSSS, 11 Mbps); Frequency: 2457 MHz; Duty Cycle: 1:2.29087

Phantom section: RF Section

DASY5 Configuration:

- Probe: ER3DV6 - SN2509; ConvF(1, 1, 1); Calibrated: 5/12/2017;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1377; Calibrated: 9/14/2016
- 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)

802.11b E-Field measurement/IEEE 802.11b_OFDM 11 Mbps_ch 10/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 = 16.63 V/m; Power Drift = 0.03 dB

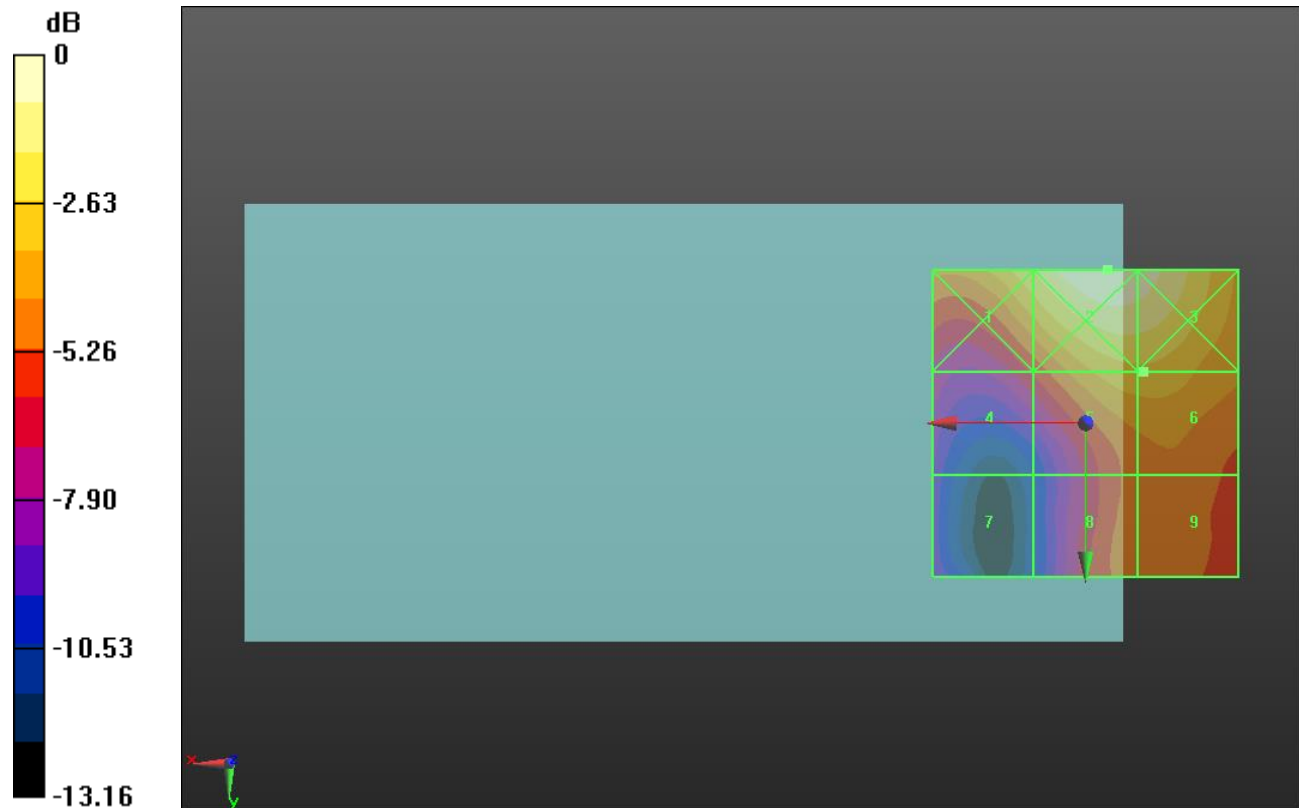
Applied MIF = -2.02 dB

RF audio interference level = 23.59 dBV/m

Emission category: **M4**

MIF scaled E-field

Grid 1 M4 24.69 dBV/m	Grid 2 M4 26.41 dBV/m	Grid 3 M4 26.1 dBV/m
Grid 4 M4 20.51 dBV/m	Grid 5 M4 23.58 dBV/m	Grid 6 M4 23.59 dBV/m
Grid 7 M4 17.64 dBV/m	Grid 8 M4 21.86 dBV/m	Grid 9 M4 22.01 dBV/m



0 dB = 20.91 V/m = 26.41 dBV/m

HAC-RF Emission LAT

Communication System: UID 10069 - CAB, IEEE 802.11a/h WiFi 5 GHz (OFDM, 54 Mbps); Frequency: 5200 MHz; Duty Cycle: 1:11.3763

Phantom section: RF Section

DASY5 Configuration:

- Probe: EF3DV3 - SN4041 (5-6 GHz); ConvF(1, 1, 1); Calibrated: 3/14/2017;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1377; Calibrated: 9/14/2016
- 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)

802.11a E-Field measurement/IEEE 802.11a_OFDM 54 Mbps_ch 40/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 = 8.073 V/m; Power Drift = -0.24 dB

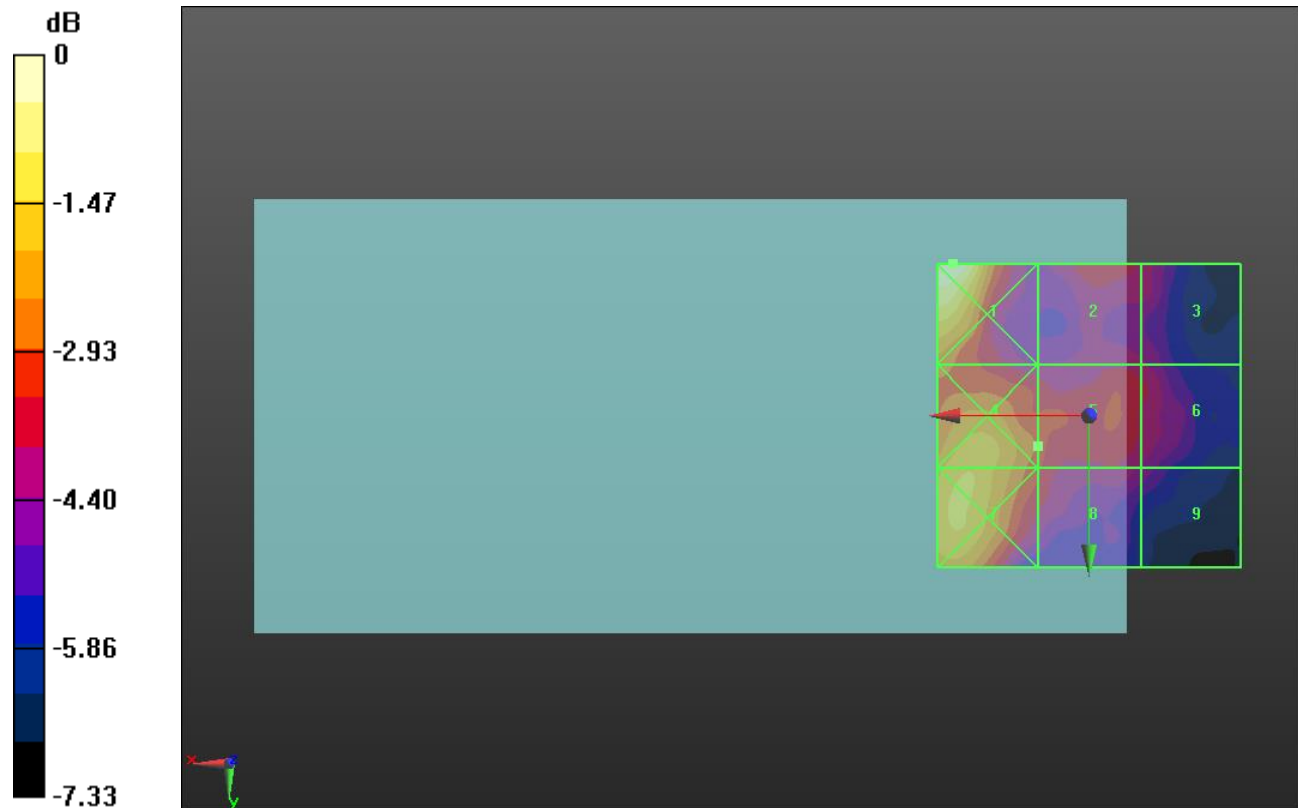
Applied MIF = -3.15 dB

RF audio interference level = 12.86 dBV/m

Emission category: **M4**

MIF scaled E-field

Grid 1 M4 15.89 dBV/m	Grid 2 M4 12.49 dBV/m	Grid 3 M4 11.92 dBV/m
Grid 4 M4 14.38 dBV/m	Grid 5 M4 12.86 dBV/m	Grid 6 M4 12.14 dBV/m
Grid 7 M4 14.5 dBV/m	Grid 8 M4 12.61 dBV/m	Grid 9 M4 11.41 dBV/m



0 dB = 6.227 V/m = 15.89 dBV/m

HAC-RF Emission LAT

Communication System: UID 10069 - CAB, IEEE 802.11a/h WiFi 5 GHz (OFDM, 54 Mbps); Frequency: 5220 MHz; Duty Cycle: 1:11.3763

Phantom section: RF Section

DASY5 Configuration:

- Probe: EF3DV3 - SN4041 (5-6 GHz); ConvF(1, 1, 1); Calibrated: 3/14/2017;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1377; Calibrated: 9/14/2016
- 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)

802.11a E-Field measurement/IEEE 802.11a_OFDM 54 Mbps_ch 44/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 = 7.687 V/m; Power Drift = 0.25 dB

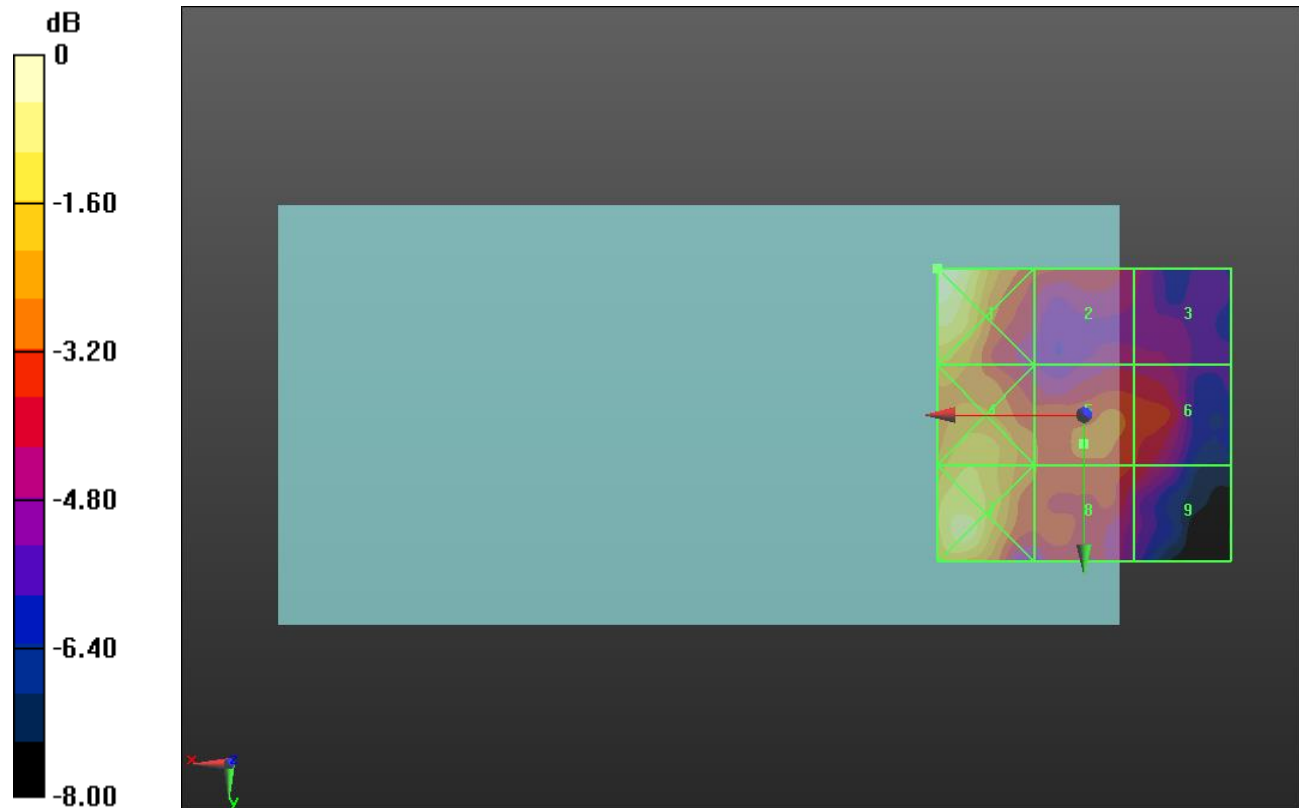
Applied MIF = -3.15 dB

RF audio interference level = 13.10 dBV/m

Emission category: **M4**

MIF scaled E-field

Grid 1 M4 15.97 dBV/m	Grid 2 M4 12.53 dBV/m	Grid 3 M4 11.53 dBV/m
Grid 4 M4 14.35 dBV/m	Grid 5 M4 13.1 dBV/m	Grid 6 M4 12.64 dBV/m
Grid 7 M4 15.29 dBV/m	Grid 8 M4 12.85 dBV/m	Grid 9 M4 12.25 dBV/m



0 dB = 6.288 V/m = 15.97 dBV/m

HAC-RF Emission LAT

Communication System: UID 10069 - CAB, IEEE 802.11a/h WiFi 5 GHz (OFDM, 54 Mbps); Frequency: 5240 MHz; Duty Cycle: 1:11.3763

Phantom section: RF Section

DASY5 Configuration:

- Probe: EF3DV3 - SN4041 (5-6 GHz); ConvF(1, 1, 1); Calibrated: 3/14/2017;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1377; Calibrated: 9/14/2016
- 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)

802.11a E-Field measurement/IEEE 802.11a_OFDM 54 Mbps_ch 48/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 = 7.227 V/m; Power Drift = -0.05 dB

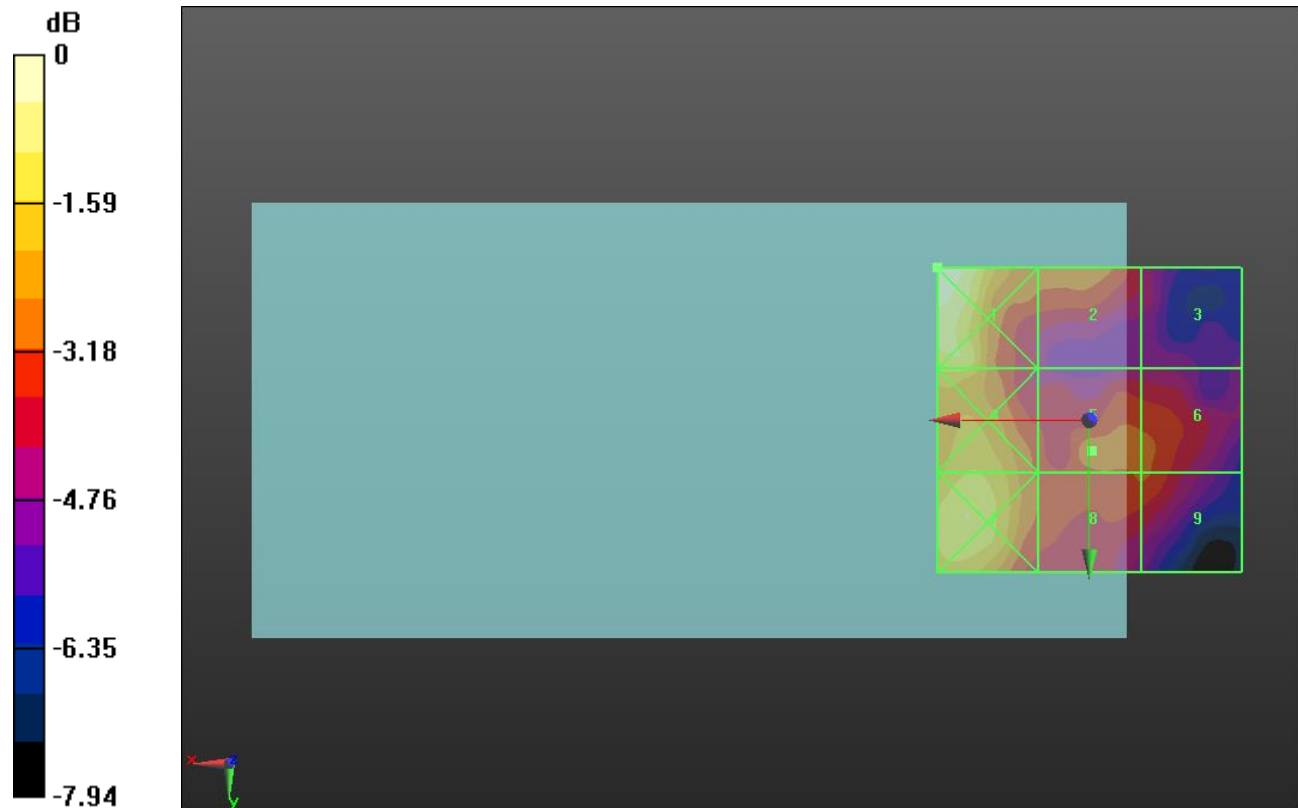
Applied MIF = -3.15 dB

RF audio interference level = 12.96 dBV/m

Emission category: **M4**

MIF scaled E-field

Grid 1 M4 15.71 dBV/m	Grid 2 M4 12.81 dBV/m	Grid 3 M4 11.43 dBV/m
Grid 4 M4 14.3 dBV/m	Grid 5 M4 12.96 dBV/m	Grid 6 M4 12.7 dBV/m
Grid 7 M4 14.67 dBV/m	Grid 8 M4 12.63 dBV/m	Grid 9 M4 12.63 dBV/m



0 dB = 6.105 V/m = 15.71 dBV/m

HAC-RF Emission LAT

Communication System: UID 10069 - CAB, IEEE 802.11a/h WiFi 5 GHz (OFDM, 54 Mbps); Frequency: 5260 MHz; Duty Cycle: 1:11.3763

Phantom section: RF Section

DASY5 Configuration:

- Probe: EF3DV3 - SN4041 (5-6 GHz); ConvF(1, 1, 1); Calibrated: 3/14/2017;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1377; Calibrated: 9/14/2016
- 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)

802.11a E-Field measurement/IEEE 802.11a_OFDM 54 Mbps_ch 52/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 = 7.349 V/m; Power Drift = -5.67 dB

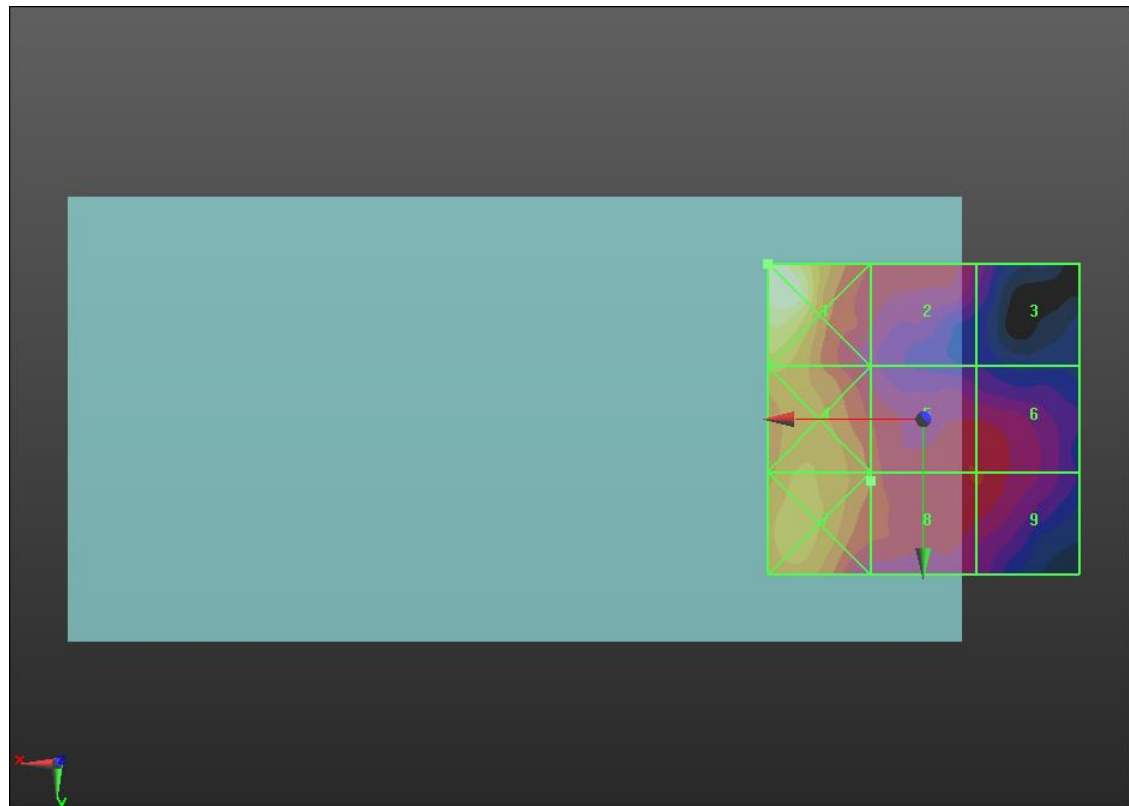
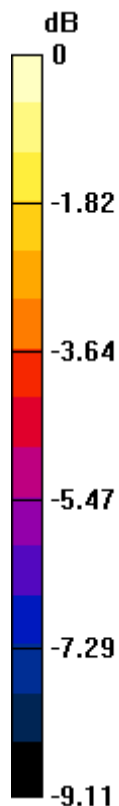
Applied MIF = -3.15 dB

RF audio interference level = 12.98 dBV/m

Emission category: **M4**

MIF scaled E-field

Grid 1 M4 16.63 dBV/m	Grid 2 M4 12.41 dBV/m	Grid 3 M4 11.1 dBV/m
Grid 4 M4 14.43 dBV/m	Grid 5 M4 12.9 dBV/m	Grid 6 M4 12.41 dBV/m
Grid 7 M4 14.51 dBV/m	Grid 8 M4 12.98 dBV/m	Grid 9 M4 12.43 dBV/m



0 dB = 6.781 V/m = 16.63 dBV/m

HAC-RF Emission LAT

Communication System: UID 10069 - CAB, IEEE 802.11a/h WiFi 5 GHz (OFDM, 54 Mbps); Frequency: 5280 MHz; Duty Cycle: 1:11.3763

Phantom section: RF Section

DASY5 Configuration:

- Probe: EF3DV3 - SN4041 (5-6 GHz); ConvF(1, 1, 1); Calibrated: 3/14/2017;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1377; Calibrated: 9/14/2016
- 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)

802.11a E-Field measurement/IEEE 802.11a_OFDM 54 Mbps_ch 56/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 = 6.791 V/m; Power Drift = -0.29 dB

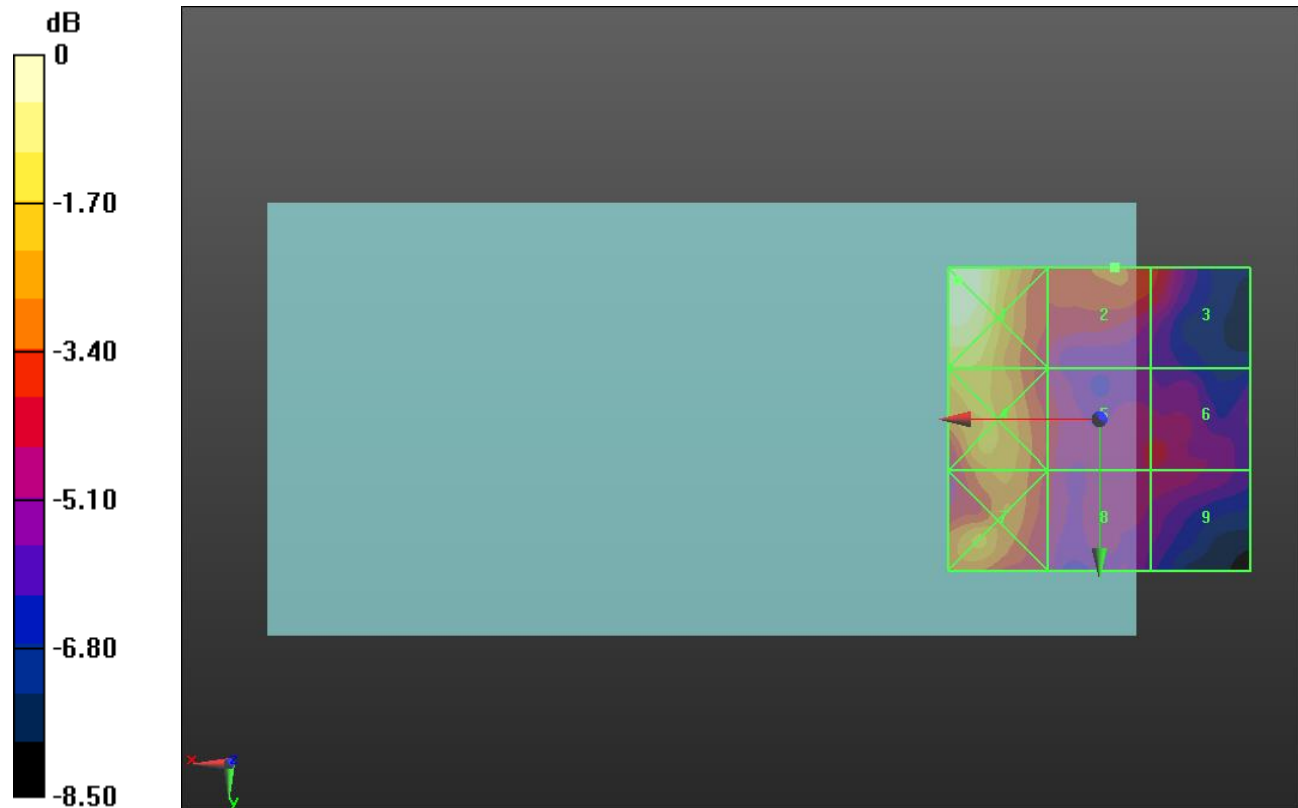
Applied MIF = -3.15 dB

RF audio interference level = 13.15 dBV/m

Emission category: **M4**

MIF scaled E-field

Grid 1 M4 16.44 dBV/m	Grid 2 M4 13.15 dBV/m	Grid 3 M4 12.79 dBV/m
Grid 4 M4 14.77 dBV/m	Grid 5 M4 12.4 dBV/m	Grid 6 M4 12.06 dBV/m
Grid 7 M4 14.35 dBV/m	Grid 8 M4 12.23 dBV/m	Grid 9 M4 11.9 dBV/m



0 dB = 6.636 V/m = 16.44 dBV/m

HAC-RF Emission LAT

Communication System: UID 10069 - CAB, IEEE 802.11a/h WiFi 5 GHz (OFDM, 54 Mbps); Frequency: 5300 MHz; Duty Cycle: 1:11.3763

Phantom section: RF Section

DASY5 Configuration:

- Probe: EF3DV3 - SN4041 (5-6 GHz); ConvF(1, 1, 1); Calibrated: 3/14/2017;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1377; Calibrated: 9/14/2016
- 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)

802.11a E-Field measurement/IEEE 802.11a_OFDM 54 Mbps_ch 60/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 = 7.456 V/m; Power Drift = 0.20 dB

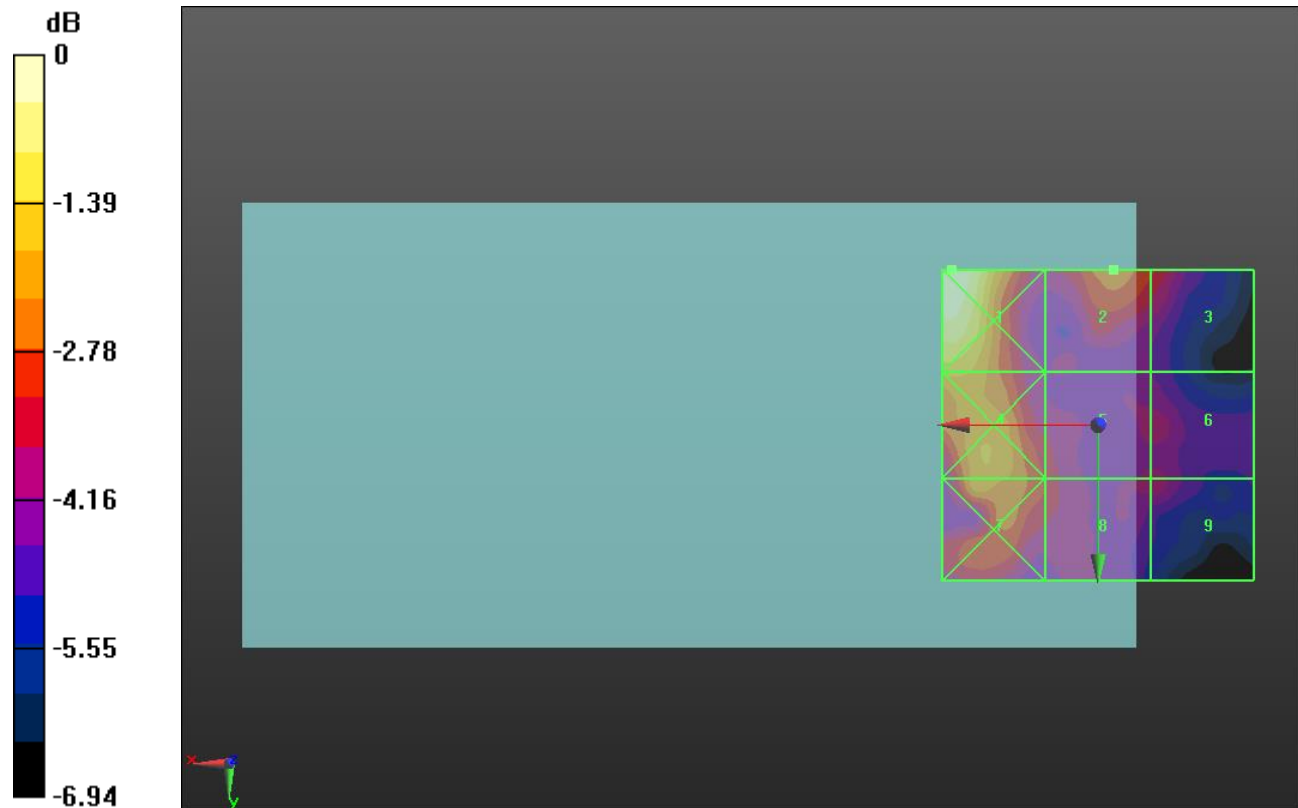
Applied MIF = -3.15 dB

RF audio interference level = 14.17 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 16.68 dBV/m	Grid 2 M4 14.17 dBV/m	Grid 3 M4 13.6 dBV/m
Grid 4 M4 15 dBV/m	Grid 5 M4 13.41 dBV/m	Grid 6 M4 12.77 dBV/m
Grid 7 M4 14.76 dBV/m	Grid 8 M4 13.45 dBV/m	Grid 9 M4 12.72 dBV/m



0 dB = 6.824 V/m = 16.68 dBV/m

HAC-RF Emission LAT

Communication System: UID 10069 - CAB, IEEE 802.11a/h WiFi 5 GHz (OFDM, 54 Mbps); Frequency: 5540 MHz; Duty Cycle: 1:11.3763

Phantom section: RF Section

DASY5 Configuration:

- Probe: EF3DV3 - SN4041 (5-6 GHz); ConvF(1, 1, 1); Calibrated: 3/14/2017;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1377; Calibrated: 9/14/2016
- 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)

802.11a E-Field measurement/IEEE 802.11a_OFDM 54 Mbps_ch 108/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 = 5.469 V/m; Power Drift = -0.18 dB

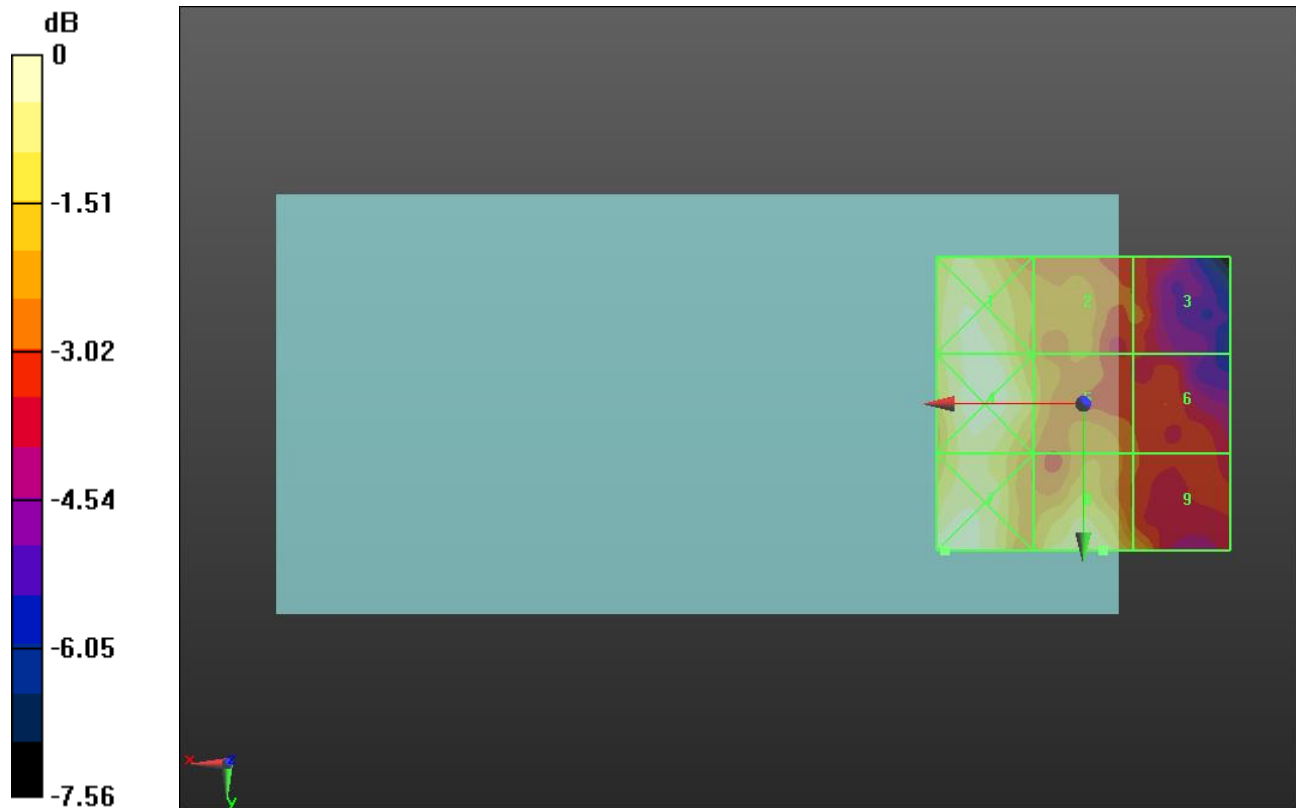
Applied MIF = -3.15 dB

RF audio interference level = 11.84 dBV/m

Emission category: **M4**

MIF scaled E-field

Grid 1 M4 12.35 dBV/m	Grid 2 M4 10.69 dBV/m	Grid 3 M4 9.82 dBV/m
Grid 4 M4 12.57 dBV/m	Grid 5 M4 11.11 dBV/m	Grid 6 M4 9.79 dBV/m
Grid 7 M4 12.66 dBV/m	Grid 8 M4 11.84 dBV/m	Grid 9 M4 11.01 dBV/m



0 dB = 4.293 V/m = 12.66 dBV/m

HAC-RF Emission LAT

Communication System: UID 10069 - CAB, IEEE 802.11a/h WiFi 5 GHz (OFDM, 54 Mbps); Frequency: 5620 MHz; Duty Cycle: 1:11.3763

Phantom section: RF Section

DASY5 Configuration:

- Probe: EF3DV3 - SN4041 (5-6 GHz); ConvF(1, 1, 1); Calibrated: 3/14/2017;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1377; Calibrated: 9/14/2016
- 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)

802.11a E-Field measurement/IEEE 802.11a_OFDM 54 Mbps_ch 124/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 = 6.404 V/m; Power Drift = -0.53 dB

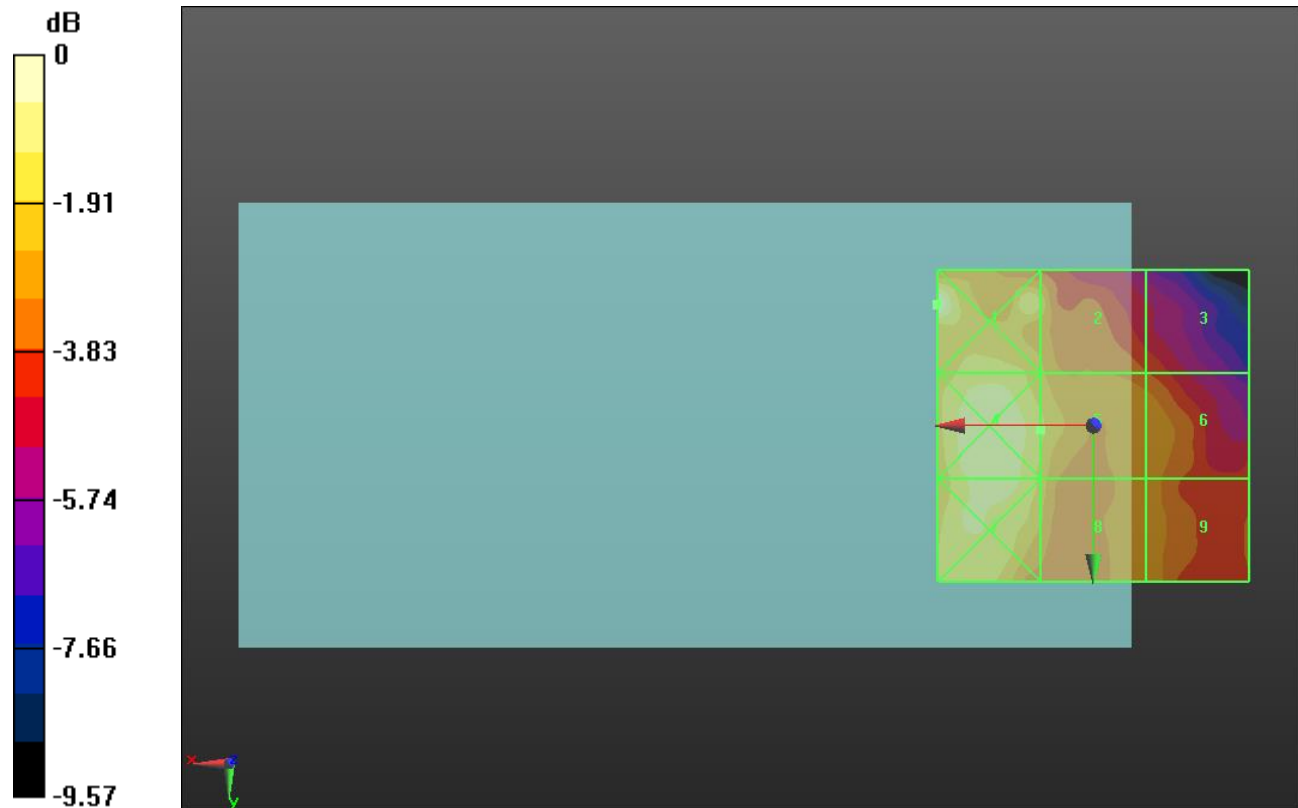
Applied MIF = -3.15 dB

RF audio interference level = 11.00 dBV/m

Emission category: **M4**

MIF scaled E-field

Grid 1 M4 12.74 dBV/m	Grid 2 M4 10.77 dBV/m	Grid 3 M4 8.98 dBV/m
Grid 4 M4 12.04 dBV/m	Grid 5 M4 11 dBV/m	Grid 6 M4 9.97 dBV/m
Grid 7 M4 11.82 dBV/m	Grid 8 M4 10.64 dBV/m	Grid 9 M4 9.88 dBV/m



0 dB = 4.334 V/m = 12.74 dBV/m

HAC-RF Emission LAT

Communication System: UID 10069 - CAB, IEEE 802.11a/h WiFi 5 GHz (OFDM, 54 Mbps); Frequency: 5720 MHz; Duty Cycle: 1:11.3763

Phantom section: RF Section

DASY5 Configuration:

- Probe: EF3DV3 - SN4041 (5-6 GHz); ConvF(1, 1, 1); Calibrated: 3/14/2017;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1377; Calibrated: 9/14/2016
- 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)

802.11a E-Field measurement/IEEE 802.11a_OFDM 54 Mbps_ch 144/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 = 7.201 V/m; Power Drift = 0.07 dB

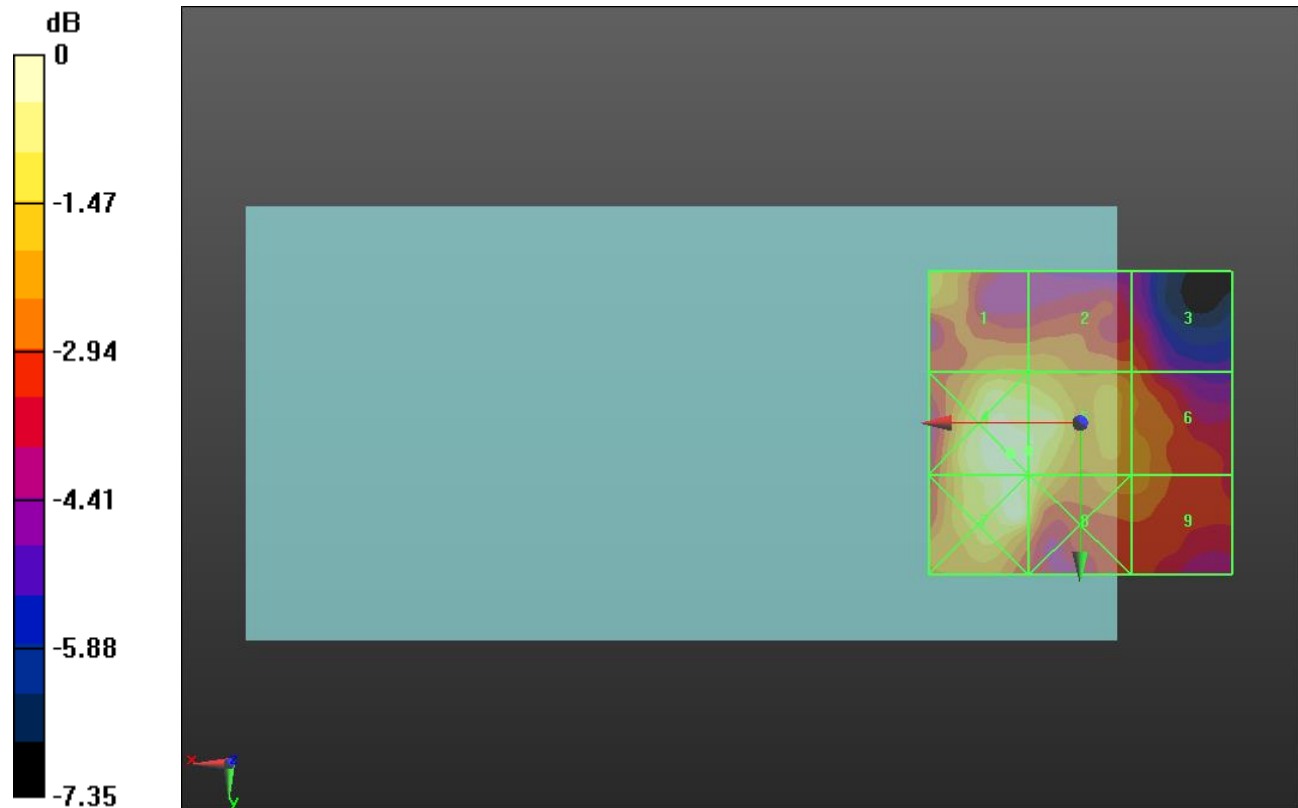
Applied MIF = -3.15 dB

RF audio interference level = 12.97 dBV/m

Emission category: **M4**

MIF scaled E-field

Grid 1 M4 11.47 dBV/m	Grid 2 M4 11.38 dBV/m	Grid 3 M4 10.54 dBV/m
Grid 4 M4 13.27 dBV/m	Grid 5 M4 12.97 dBV/m	Grid 6 M4 11.18 dBV/m
Grid 7 M4 13.21 dBV/m	Grid 8 M4 12.67 dBV/m	Grid 9 M4 11.1 dBV/m



0 dB = 4.606 V/m = 13.27 dBV/m

HAC-RF Emission LAT

Communication System: UID 10069 - CAB, IEEE 802.11a/h WiFi 5 GHz (OFDM, 54 Mbps); Frequency: 5765 MHz; Duty Cycle: 1:11.3763

Phantom section: RF Section

DASY5 Configuration:

- Probe: EF3DV3 - SN4041 (5-6 GHz); ConvF(1, 1, 1); Calibrated: 3/14/2017;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1377; Calibrated: 9/14/2016
- 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)

802.11a E-Field measurement/IEEE 802.11a_OFDM 54 Mbps_ch 153/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 = 7.675 V/m; Power Drift = -1.16 dB

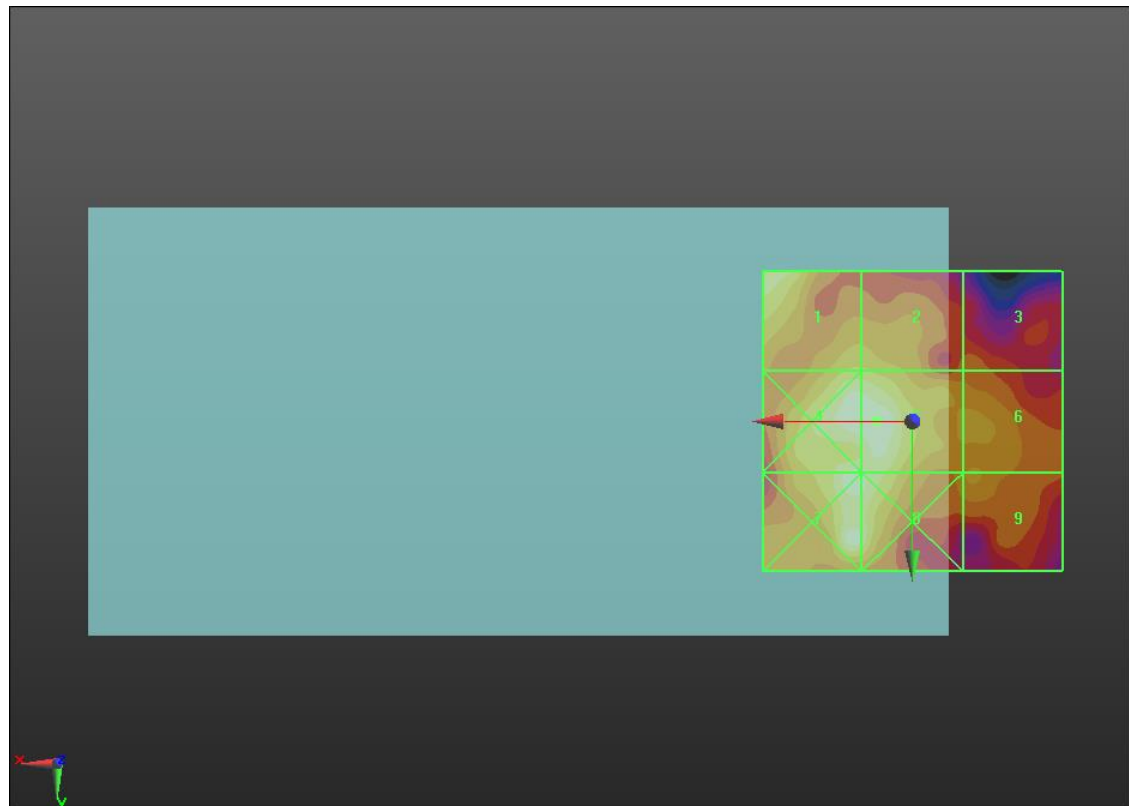
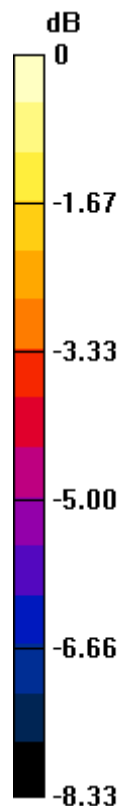
Applied MIF = -3.15 dB

RF audio interference level = 12.97 dBV/m

Emission category: **M4**

MIF scaled E-field

Grid 1 M4 12.29 dBV/m	Grid 2 M4 11.44 dBV/m	Grid 3 M4 10.07 dBV/m
Grid 4 M4 12.75 dBV/m	Grid 5 M4 12.97 dBV/m	Grid 6 M4 10.96 dBV/m
Grid 7 M4 12.83 dBV/m	Grid 8 M4 12.67 dBV/m	Grid 9 M4 10.86 dBV/m



0 dB = 4.452 V/m = 12.97 dBV/m

HAC-RF Emission LAT

Communication System: UID 10069 - CAB, IEEE 802.11a/h WiFi 5 GHz (OFDM, 54 Mbps); Frequency: 5785 MHz; Duty Cycle: 1:11.3763

Phantom section: RF Section

DASY5 Configuration:

- Probe: EF3DV3 - SN4041 (5-6 GHz); ConvF(1, 1, 1); Calibrated: 3/14/2017;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1377; Calibrated: 9/14/2016
- 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)

802.11a E-Field measurement/IEEE 802.11a_OFDM 54 Mbps_ch 157/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 = 8.036 V/m; Power Drift = -0.32 dB

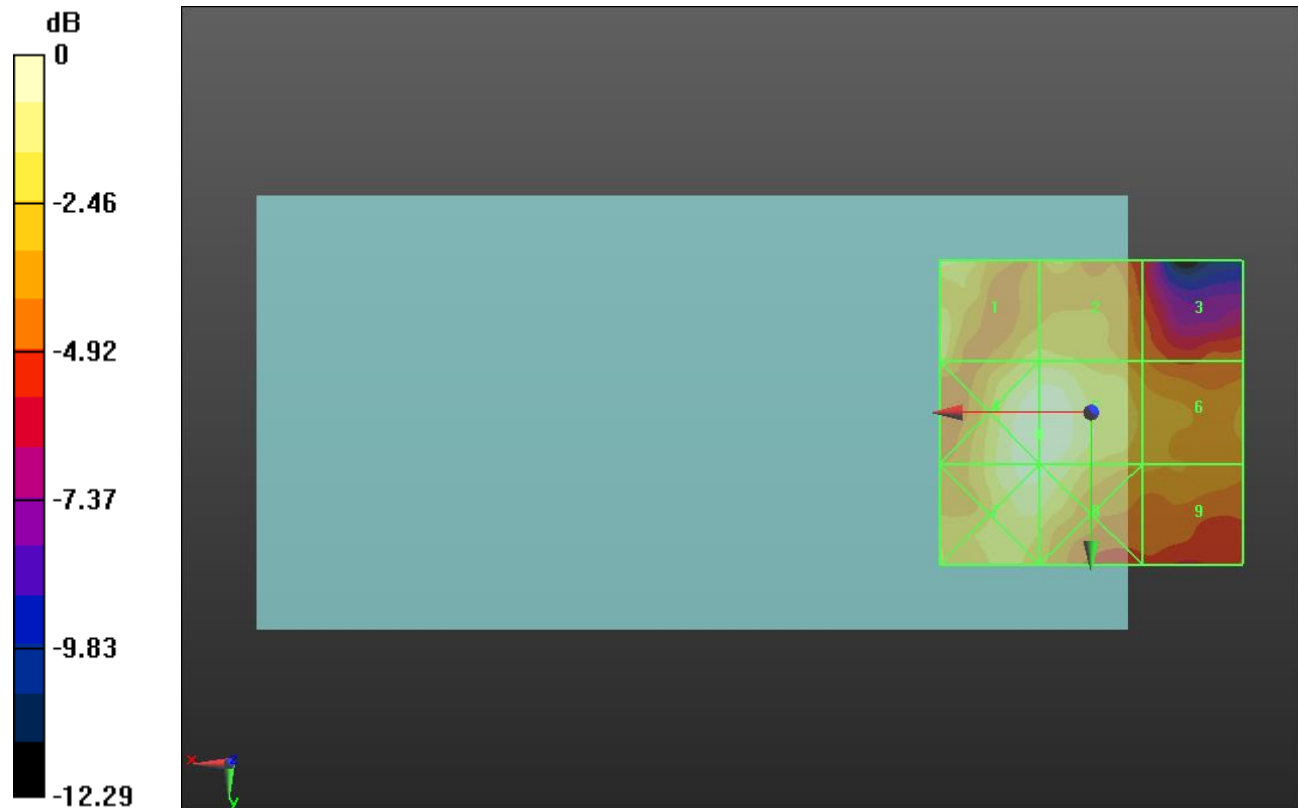
Applied MIF = -3.15 dB

RF audio interference level = 13.22 dBV/m

Emission category: **M4**

MIF scaled E-field

Grid 1 M4 12.18 dBV/m	Grid 2 M4 11.26 dBV/m	Grid 3 M4 9.27 dBV/m
Grid 4 M4 13.22 dBV/m	Grid 5 M4 13.22 dBV/m	Grid 6 M4 10.65 dBV/m
Grid 7 M4 12.81 dBV/m	Grid 8 M4 12.77 dBV/m	Grid 9 M4 10.08 dBV/m



0 dB = 4.580 V/m = 13.22 dBV/m

HAC-RF Emission LAT

Communication System: UID 10069 - CAB, IEEE 802.11a/h WiFi 5 GHz (OFDM, 54 Mbps); Frequency: 5805 MHz; Duty Cycle: 1:11.3763

Phantom section: RF Section

DASY5 Configuration:

- Probe: EF3DV3 - SN4041 (5-6 GHz); ConvF(1, 1, 1); Calibrated: 3/14/2017;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1377; Calibrated: 9/14/2016
- 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)

802.11a E-Field measurement/IEEE 802.11a_OFDM 54 Mbps_ch 161/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 = 7.177 V/m; Power Drift = 1.15 dB

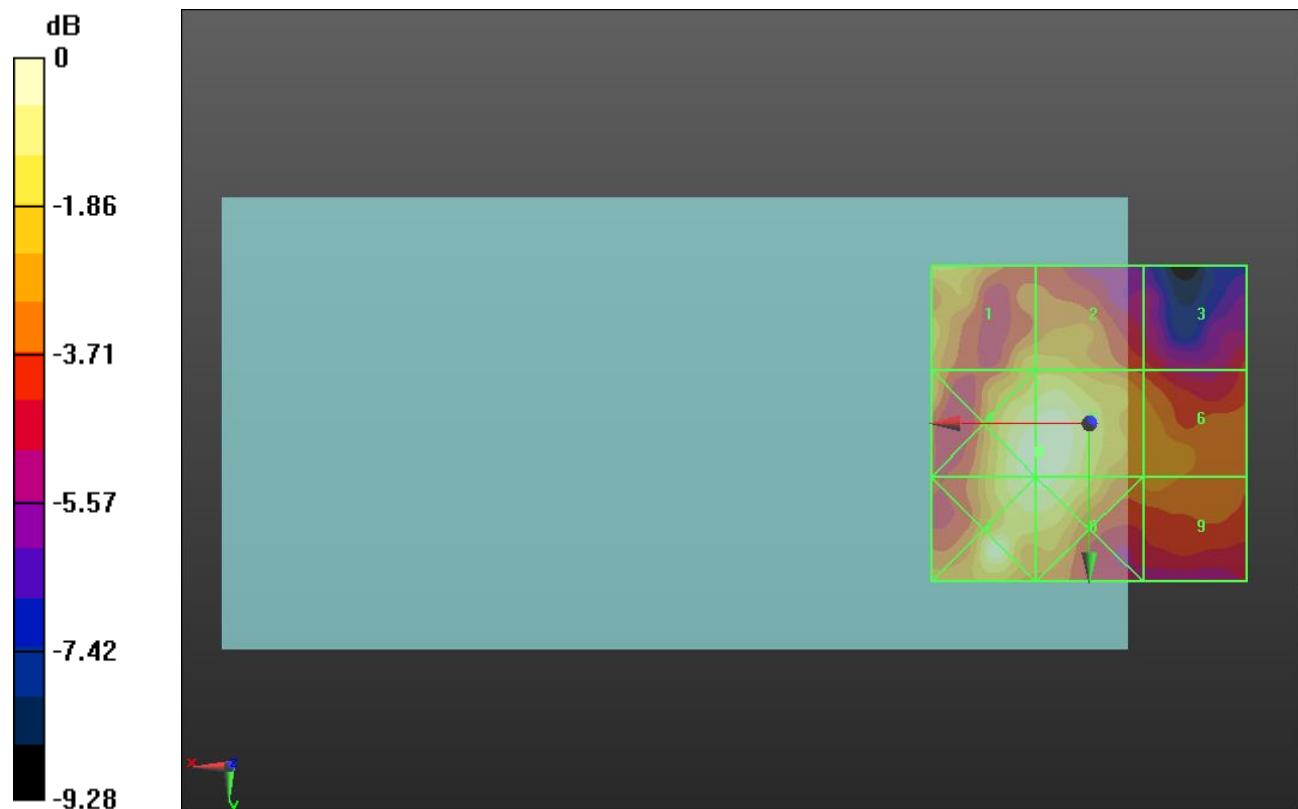
Applied MIF = -3.15 dB

RF audio interference level = 13.31 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 11.82 dBV/m	Grid 2 M4 11.34 dBV/m	Grid 3 M4 9.37 dBV/m
Grid 4 M4 13.29 dBV/m	Grid 5 M4 13.31 dBV/m	Grid 6 M4 10.68 dBV/m
Grid 7 M4 13.23 dBV/m	Grid 8 M4 12.99 dBV/m	Grid 9 M4 10.46 dBV/m



0 dB = 4.630 V/m = 13.31 dBV/m