

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 = 35.42 V/m; Power Drift = -0.11 dB

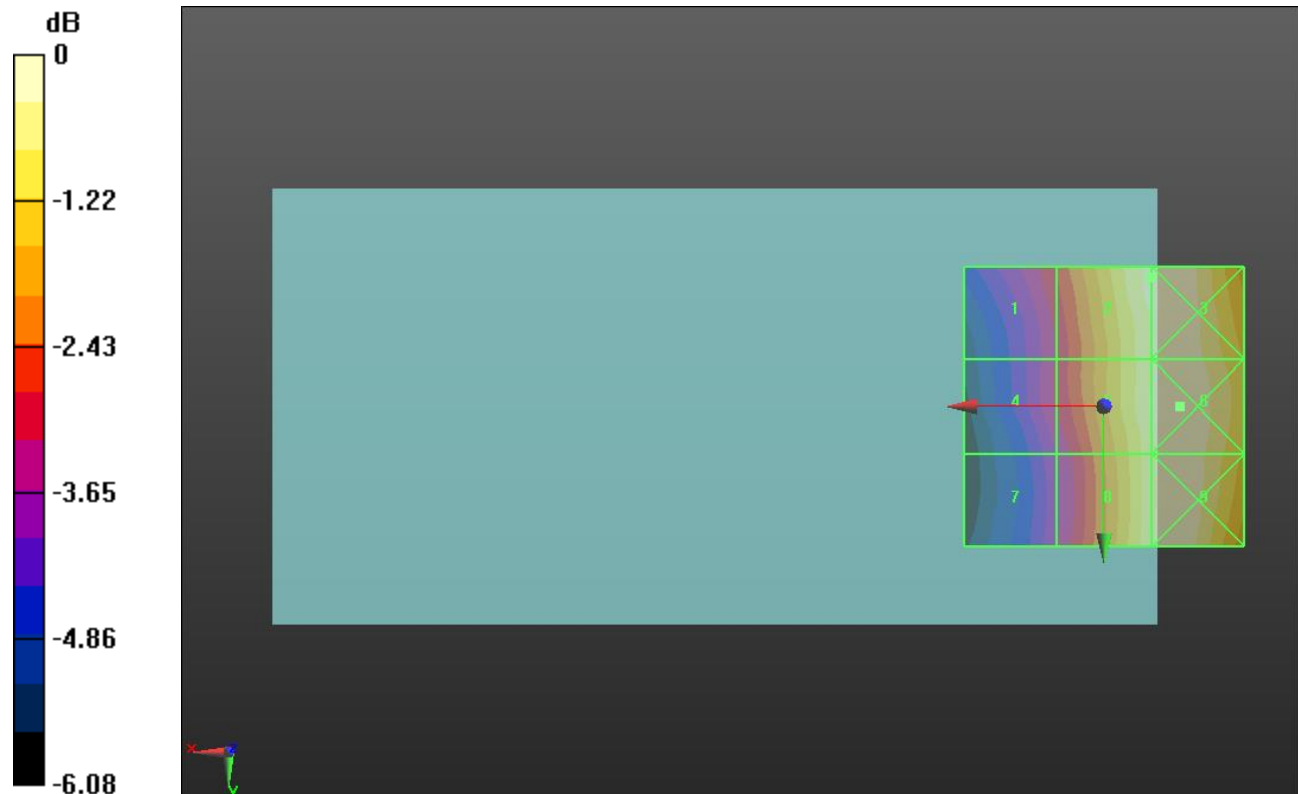
Applied MIF = 3.63 dB

RF audio interference level = 33.88 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 31.33 dBV/m	Grid 2 M4 33.88 dBV/m	Grid 3 M4 34.02 dBV/m
Grid 4 M4 30.98 dBV/m	Grid 5 M4 33.79 dBV/m	Grid 6 M4 34.13 dBV/m
Grid 7 M4 30.5 dBV/m	Grid 8 M4 33.69 dBV/m	Grid 9 M4 34.05 dBV/m



0 dB = 50.86 V/m = 34.13 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 = 32.19 V/m; Power Drift = -0.00 dB

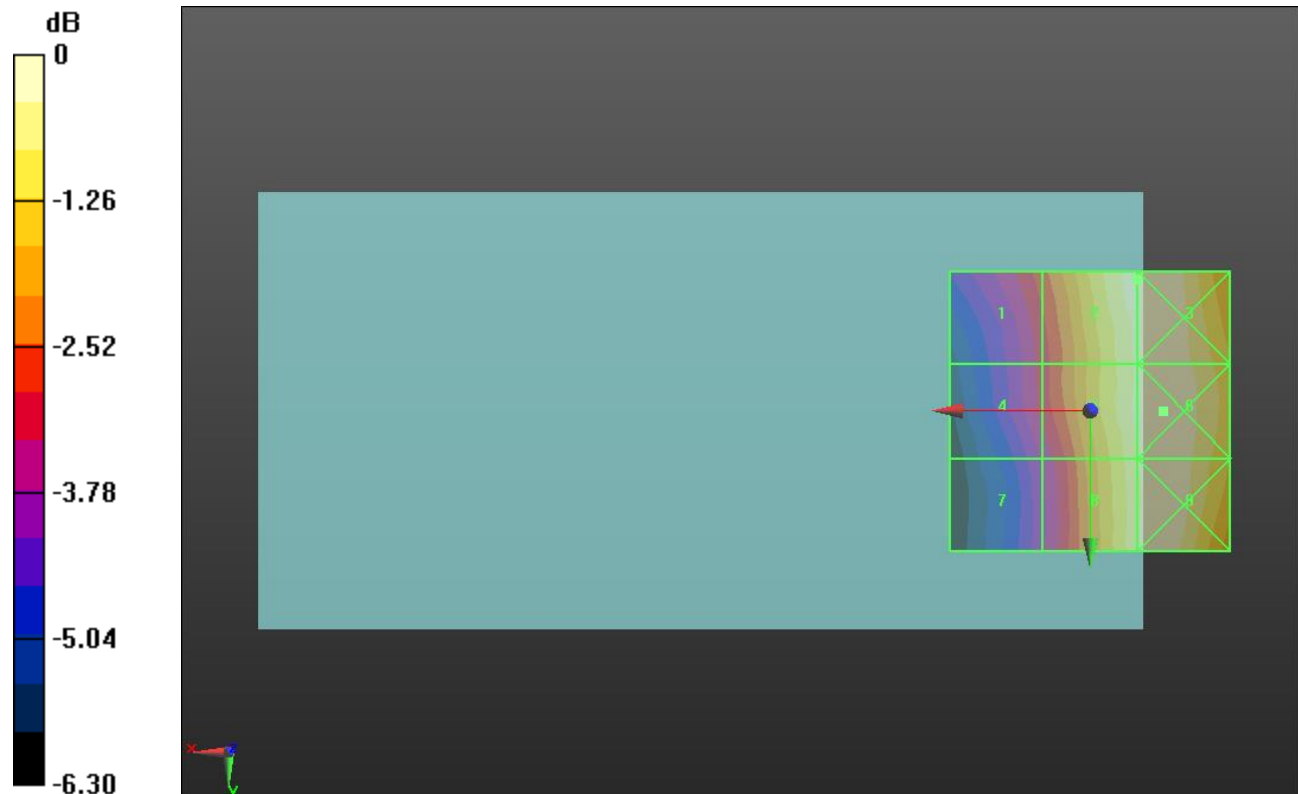
Applied MIF = 3.63 dB

RF audio interference level = 32.97 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 30.47 dBV/m	Grid 2 M4 32.97 dBV/m	Grid 3 M4 33.07 dBV/m
Grid 4 M4 30 dBV/m	Grid 5 M4 32.86 dBV/m	Grid 6 M4 33.13 dBV/m
Grid 7 M4 29.45 dBV/m	Grid 8 M4 32.7 dBV/m	Grid 9 M4 33.06 dBV/m



0 dB = 45.34 V/m = 33.13 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 = 40.14 V/m; Power Drift = -0.11 dB

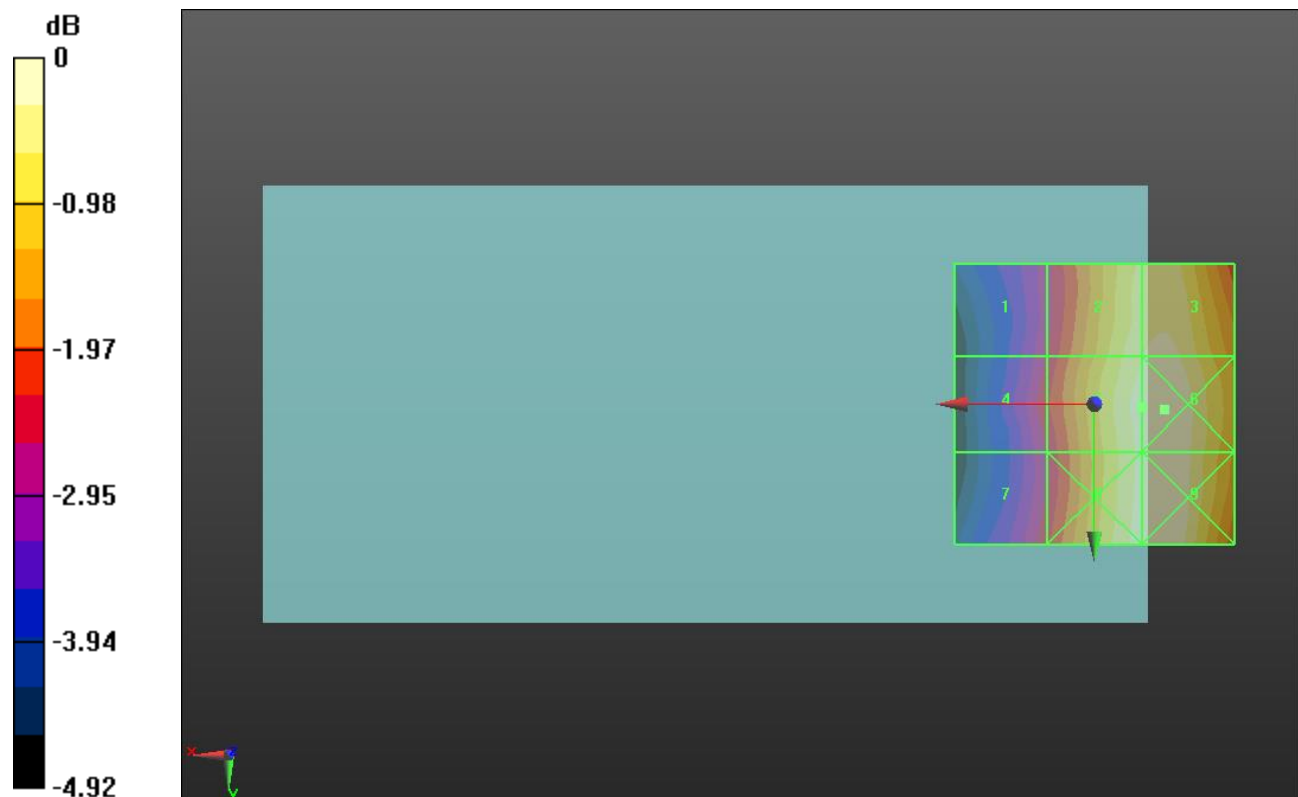
Applied MIF = 3.63 dB

RF audio interference level = 34.13 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 31.67 dBV/m	Grid 2 M4 33.92 dBV/m	Grid 3 M4 34.04 dBV/m
Grid 4 M4 31.91 dBV/m	Grid 5 M4 34.13 dBV/m	Grid 6 M4 34.26 dBV/m
Grid 7 M4 31.93 dBV/m	Grid 8 M4 34.16 dBV/m	Grid 9 M4 34.26 dBV/m



0 dB = 51.66 V/m = 34.26 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 = 18.53 V/m; Power Drift = 0.04 dB

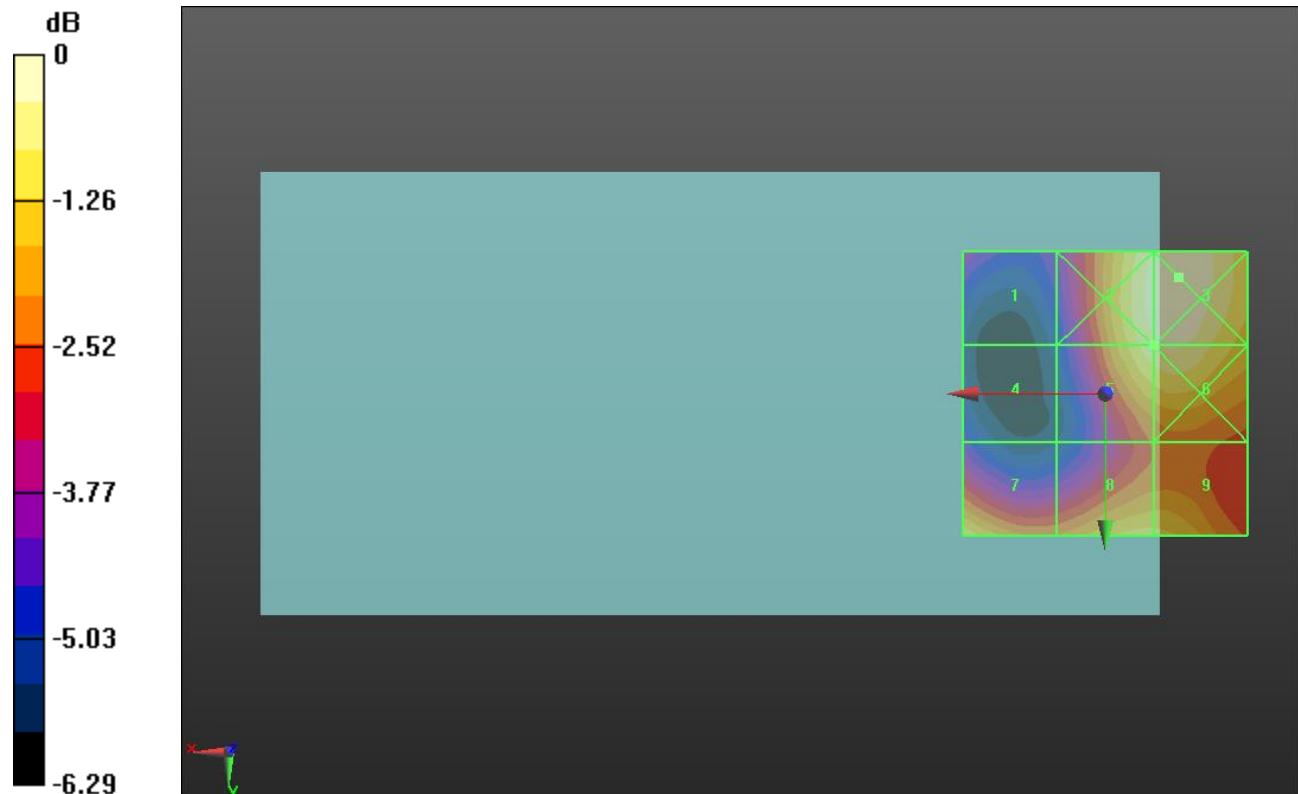
Applied MIF = 3.63 dB

RF audio interference level = 29.45 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 26.26 dBV/m	Grid 2 M4 29.75 dBV/m	Grid 3 M4 29.99 dBV/m
Grid 4 M4 25.67 dBV/m	Grid 5 M4 29.45 dBV/m	Grid 6 M4 29.63 dBV/m
Grid 7 M4 29.17 dBV/m	Grid 8 M4 28.95 dBV/m	Grid 9 M4 28.93 dBV/m



0 dB = 31.58 V/m = 29.99 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 = 17.22 V/m; Power Drift = -0.04 dB

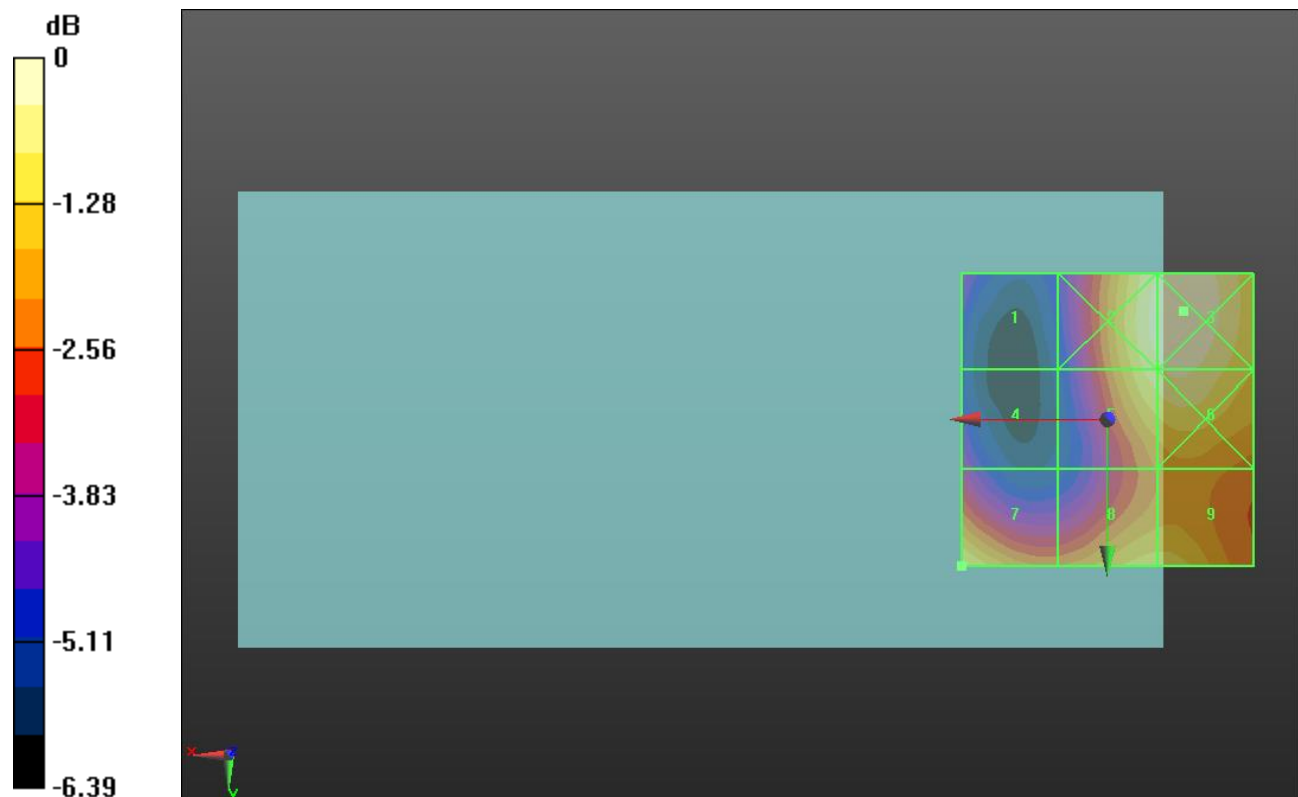
Applied MIF = 3.63 dB

RF audio interference level = 29.13 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 25.68 dBV/m	Grid 2 M4 29.39 dBV/m	Grid 3 M4 29.65 dBV/m
Grid 4 M4 25.96 dBV/m	Grid 5 M4 29.11 dBV/m	Grid 6 M4 29.31 dBV/m
Grid 7 M4 29.13 dBV/m	Grid 8 M4 28.68 dBV/m	Grid 9 M4 28.68 dBV/m



0 dB = 30.36 V/m = 29.65 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 = 23.00 V/m; Power Drift = -0.04 dB

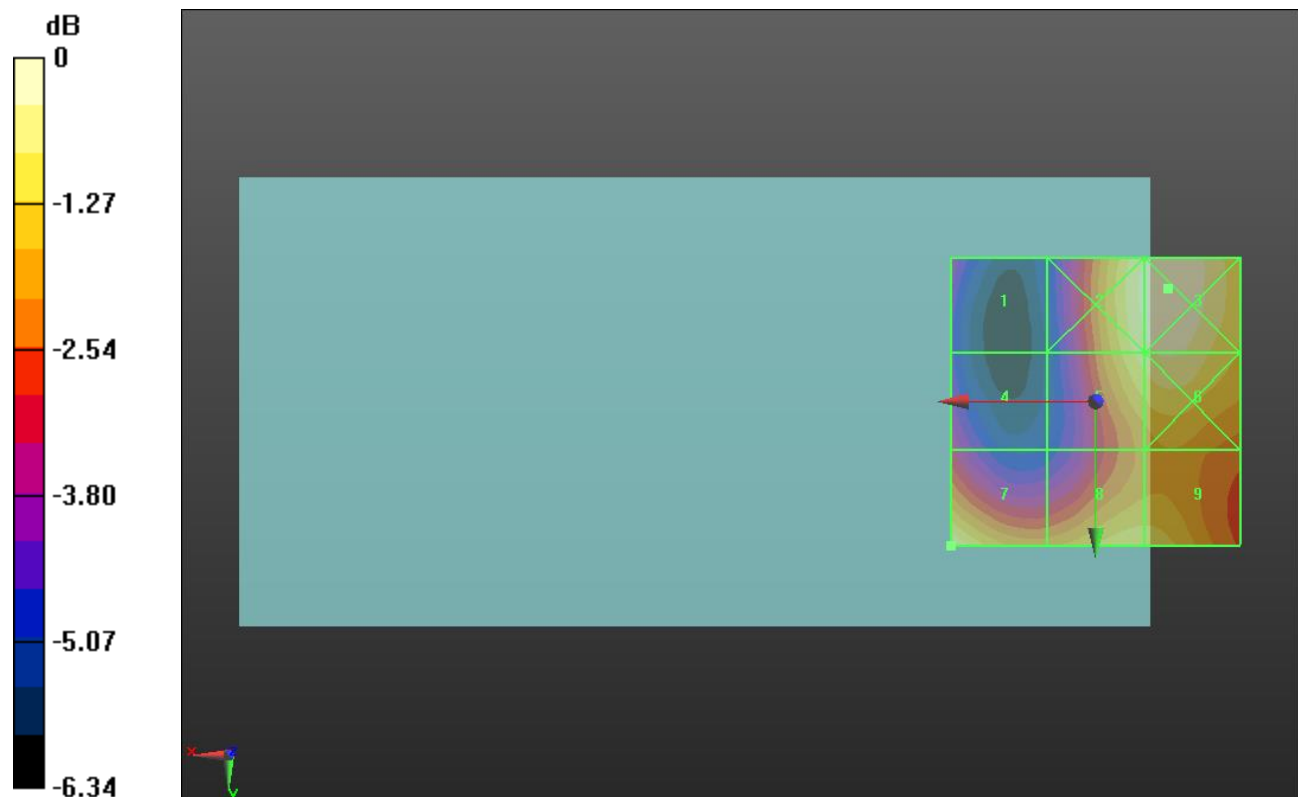
Applied MIF = 3.63 dB

RF audio interference level = 31.98 dBV/m

Emission category: M3

MIF scaled E-field

Grid 1 M4 28.59 dBV/m	Grid 2 M3 32.02 dBV/m	Grid 3 M3 32.3 dBV/m
Grid 4 M4 29.02 dBV/m	Grid 5 M3 31.71 dBV/m	Grid 6 M3 31.94 dBV/m
Grid 7 M3 31.98 dBV/m	Grid 8 M3 31.41 dBV/m	Grid 9 M3 31.4 dBV/m



0 dB = 41.21 V/m = 32.30 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 - SN2540; ConvF(1, 1, 1); Calibrated: 8/10/2015;
- 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 = 12.02 V/m; Power Drift = 0.18 dB

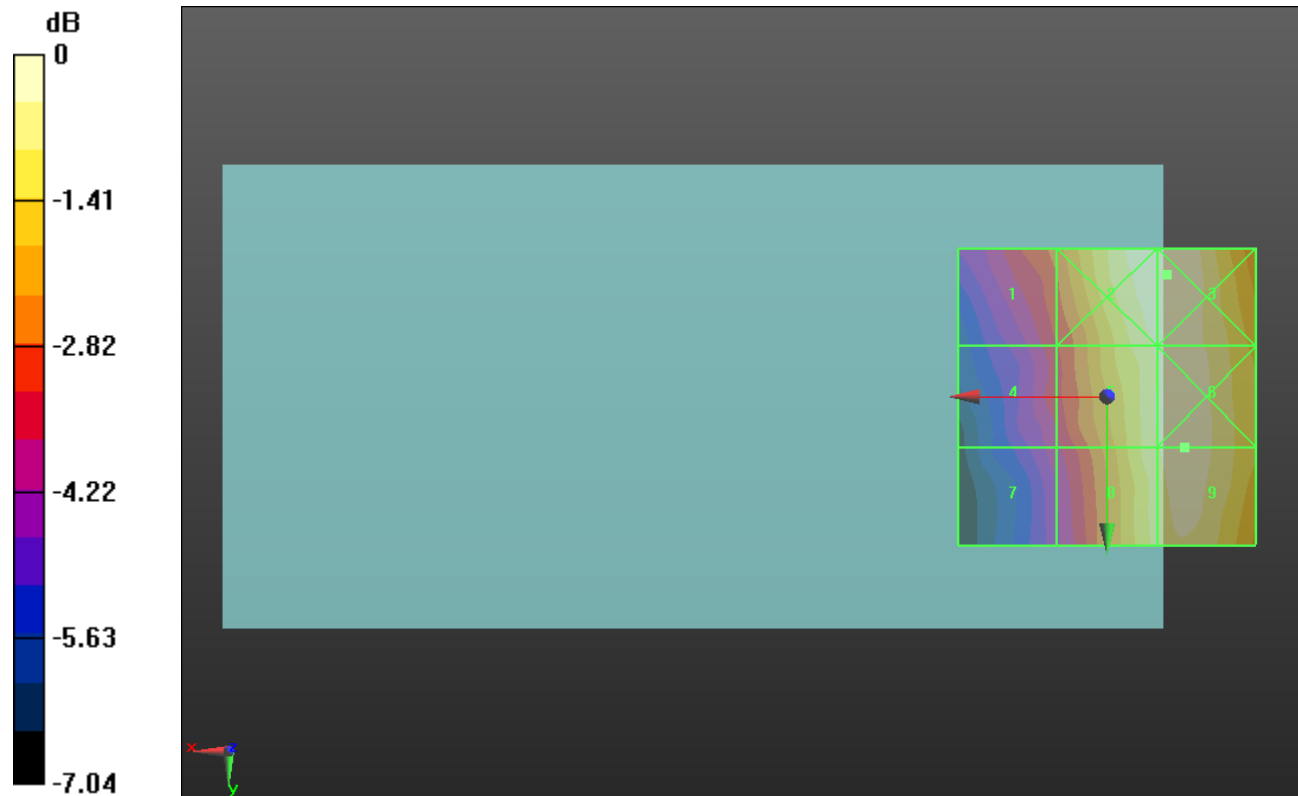
Applied MIF = 3.26 dB

RF audio interference level = 25.33 dBV/m

Emission category: **M4**

MIF scaled E-field

Grid 1 M4 22.95 dBV/m	Grid 2 M4 25.47 dBV/m	Grid 3 M4 25.51 dBV/m
Grid 4 M4 22.2 dBV/m	Grid 5 M4 25.12 dBV/m	Grid 6 M4 25.42 dBV/m
Grid 7 M4 21.66 dBV/m	Grid 8 M4 25.01 dBV/m	Grid 9 M4 25.33 dBV/m



0 dB = 18.86 V/m = 25.51 dBV/m

HAC-RF Emission UAT

Communication System: UID 10295 - AAB, CDMA2000, RC1, SO3, 1/8th Rate 25 fr.; Frequency: 836.52 MHz; Duty Cycle: 1:17.7419

Phantom section: RF Section

DASY5 Configuration:

- Probe: ER3DV6 - SN2540; ConvF(1, 1, 1); Calibrated: 8/10/2015;
- 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 = 150.7 V/m; Power Drift = -0.02 dB

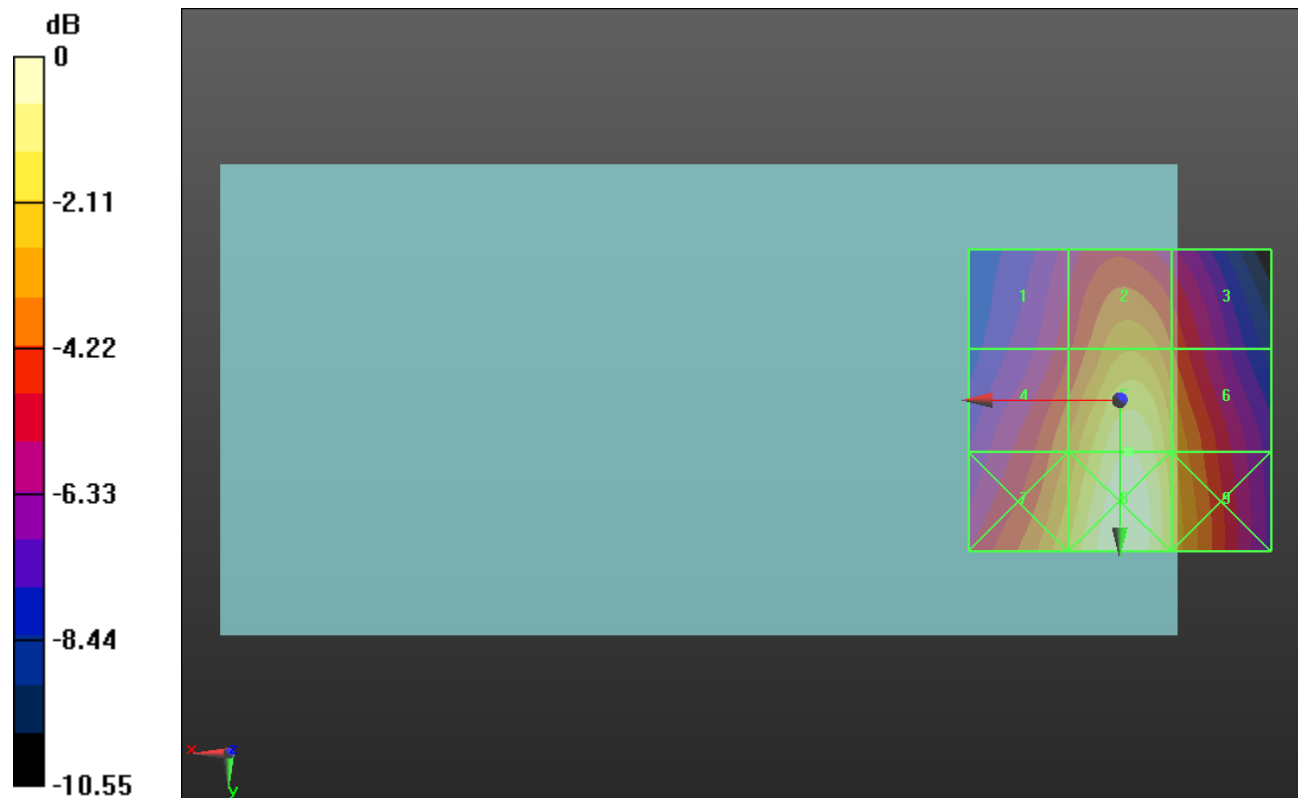
Applied MIF = 3.26 dB

RF audio interference level = 42.89 dBV/m

Emission category: **M3**

MIF scaled E-field

Grid 1 M4 38.55 dBV/m	Grid 2 M3 40.73 dBV/m	Grid 3 M4 39.46 dBV/m
Grid 4 M3 40.24 dBV/m	Grid 5 M3 42.89 dBV/m	Grid 6 M3 41.05 dBV/m
Grid 7 M3 41.53 dBV/m	Grid 8 M3 43.59 dBV/m	Grid 9 M3 41.52 dBV/m



0 dB = 151.2 V/m = 43.59 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 - SN2540; ConvF(1, 1, 1); Calibrated: 8/10/2015;
- 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 = 154.3 V/m; Power Drift = -0.01 dB

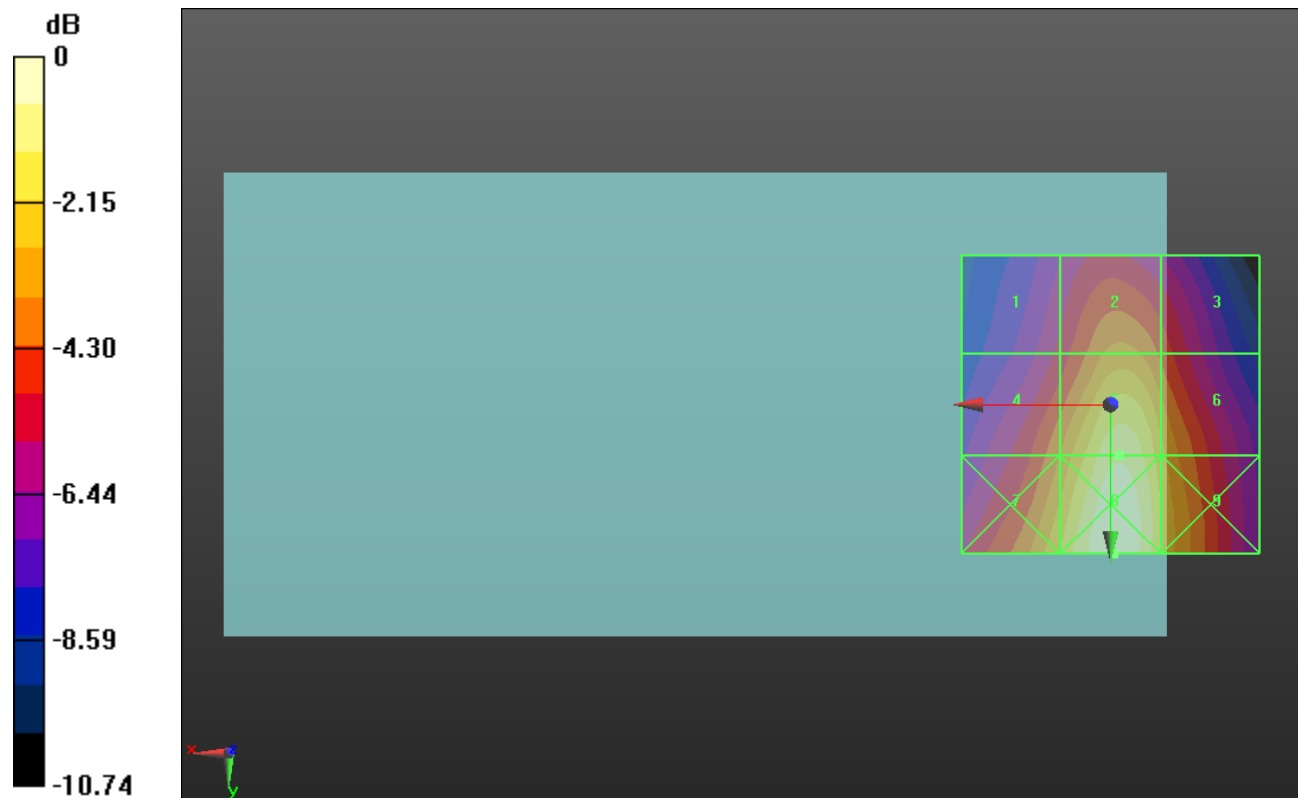
Applied MIF = 3.26 dB

RF audio interference level = 43.19 dBV/m

Emission category: **M3**

MIF scaled E-field

Grid 1 M4 38.59 dBV/m	Grid 2 M3 40.76 dBV/m	Grid 3 M4 39.59 dBV/m
Grid 4 M3 40.47 dBV/m	Grid 5 M3 43.19 dBV/m	Grid 6 M3 41.4 dBV/m
Grid 7 M3 41.94 dBV/m	Grid 8 M3 44.03 dBV/m	Grid 9 M3 41.98 dBV/m



0 dB = 159.0 V/m = 44.03 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 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 = 17.75 V/m; Power Drift = -0.07 dB

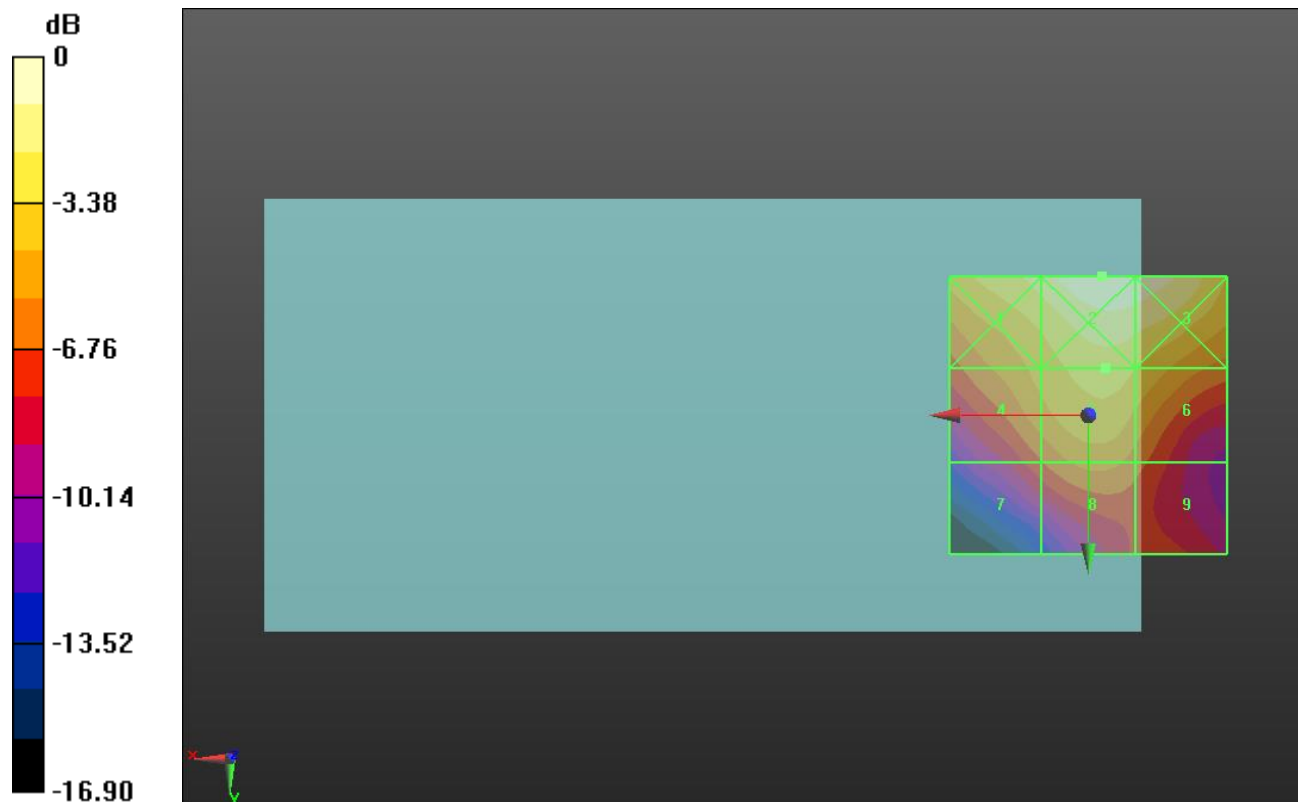
Applied MIF = 3.26 dB

RF audio interference level = 25.58 dBV/m

Emission category: **M4**

MIF scaled E-field

Grid 1 M4 26.68 dBV/m	Grid 2 M4 28.38 dBV/m	Grid 3 M4 28.05 dBV/m
Grid 4 M4 24.32 dBV/m	Grid 5 M4 25.58 dBV/m	Grid 6 M4 25.04 dBV/m
Grid 7 M4 21.51 dBV/m	Grid 8 M4 23.15 dBV/m	Grid 9 M4 22.16 dBV/m



0 dB = 26.23 V/m = 28.38 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 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 = 17.24 V/m; Power Drift = -0.01 dB

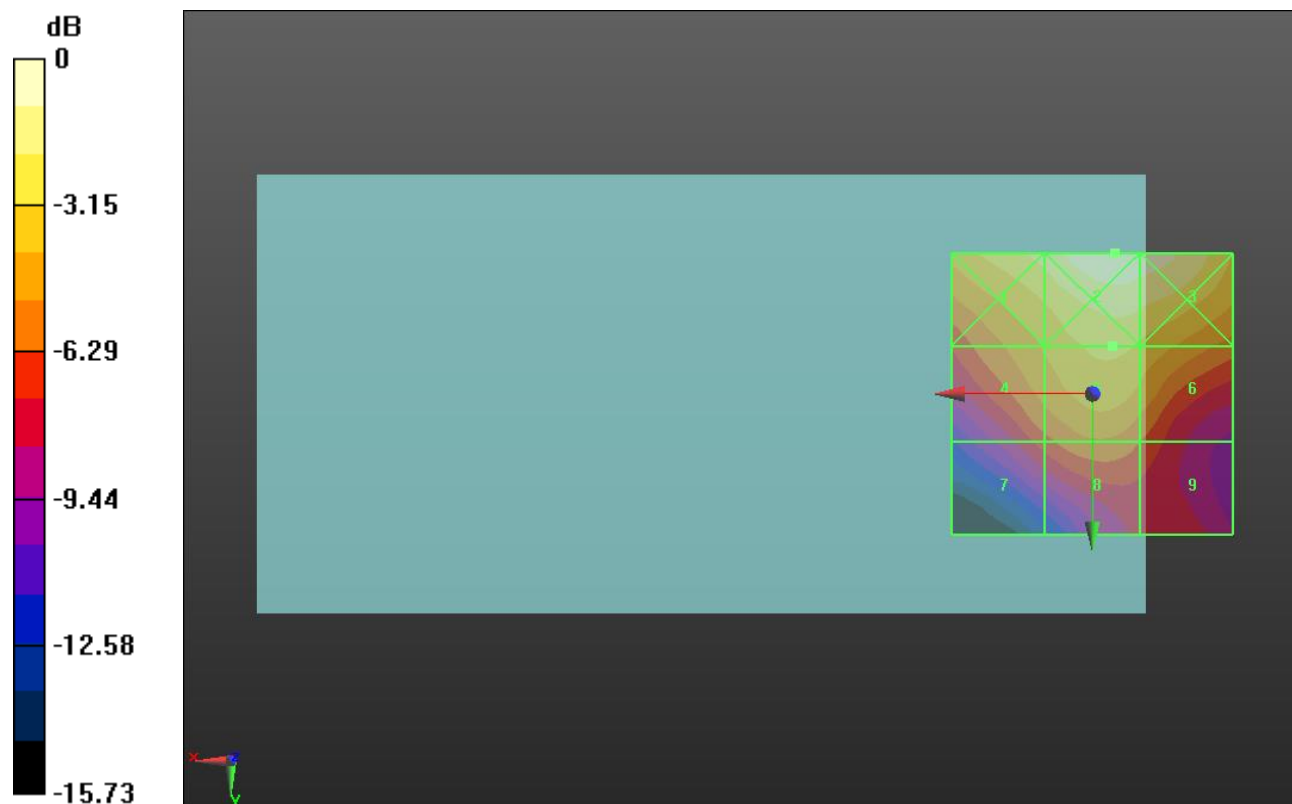
Applied MIF = 3.26 dB

RF audio interference level = 25.56 dBV/m

Emission category: **M4**

MIF scaled E-field

Grid 1 M4 26.83 dBV/m	Grid 2 M4 28.42 dBV/m	Grid 3 M4 28.17 dBV/m
Grid 4 M4 24.37 dBV/m	Grid 5 M4 25.56 dBV/m	Grid 6 M4 25.11 dBV/m
Grid 7 M4 21.69 dBV/m	Grid 8 M4 23.06 dBV/m	Grid 9 M4 22.14 dBV/m



0 dB = 26.35 V/m = 28.42 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 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 = 16.49 V/m; Power Drift = 0.05 dB

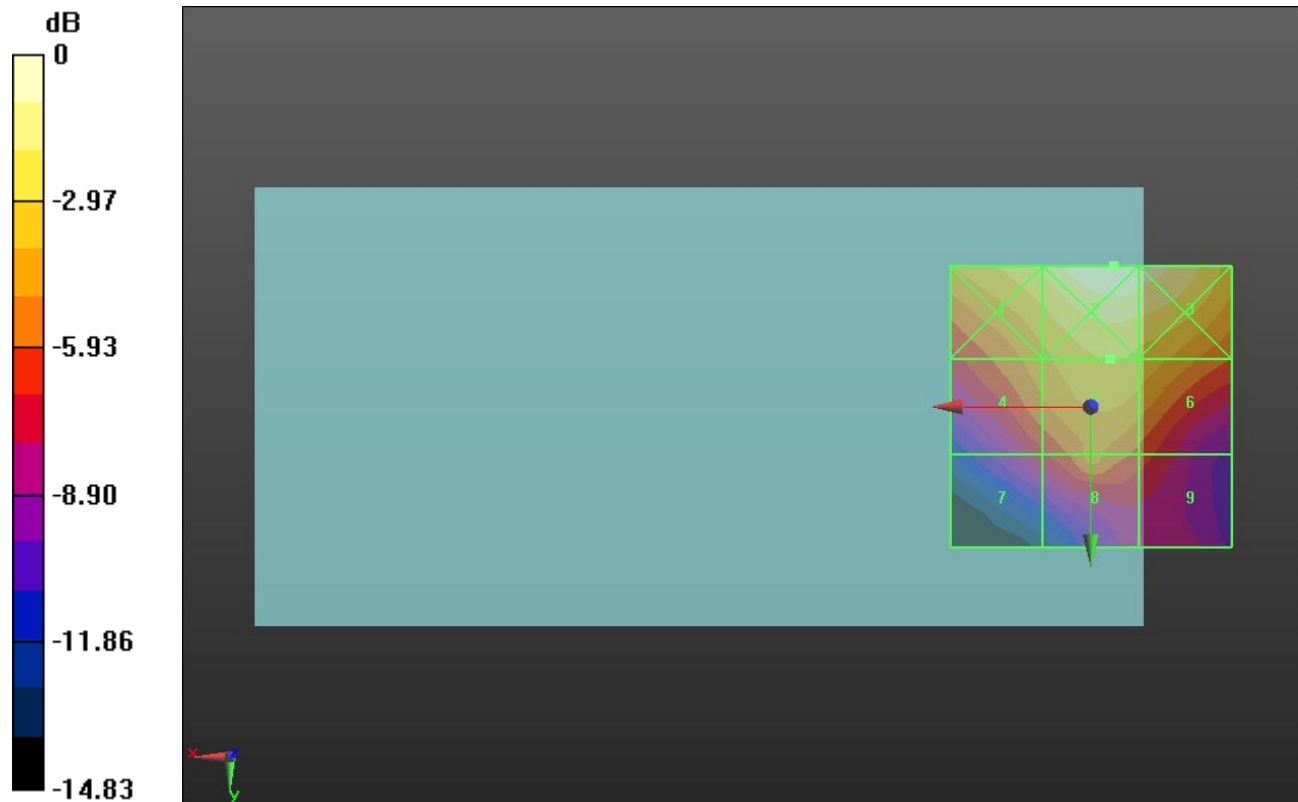
Applied MIF = 3.26 dB

RF audio interference level = 25.61 dBV/m

Emission category: **M4**

MIF scaled E-field

Grid 1 M4 26.86 dBV/m	Grid 2 M4 28.5 dBV/m	Grid 3 M4 28.2 dBV/m
Grid 4 M4 24.28 dBV/m	Grid 5 M4 25.61 dBV/m	Grid 6 M4 25.24 dBV/m
Grid 7 M4 21.36 dBV/m	Grid 8 M4 23.87 dBV/m	Grid 9 M4 22.23 dBV/m



0 dB = 26.61 V/m = 28.50 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 = 109.2 V/m; Power Drift = -0.04 dB

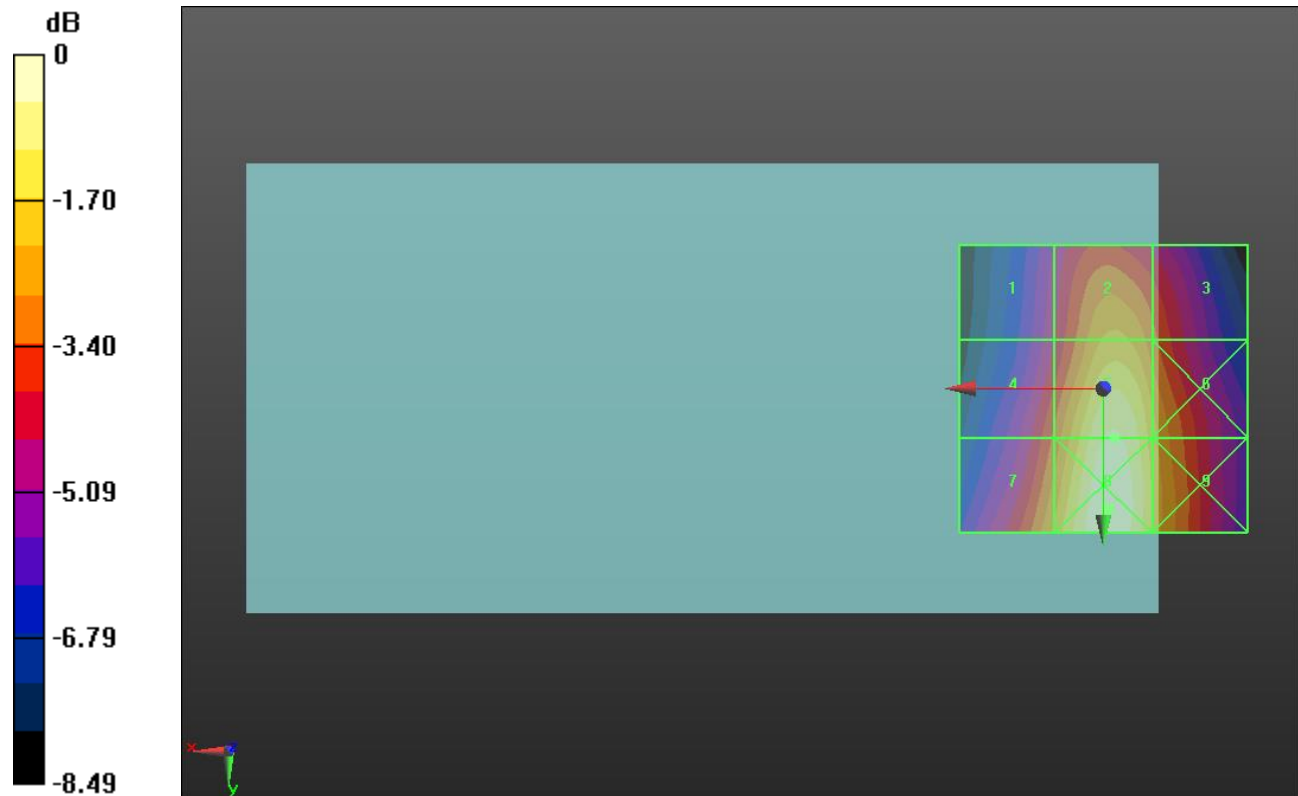
Applied MIF = 3.26 dB

RF audio interference level = 40.07 dBV/m

Emission category: **M3**

MIF scaled E-field

Grid 1 M4 36.04 dBV/m	Grid 2 M4 38.46 dBV/m	Grid 3 M4 37.4 dBV/m
Grid 4 M4 37.3 dBV/m	Grid 5 M3 40.07 dBV/m	Grid 6 M4 38.54 dBV/m
Grid 7 M4 38.43 dBV/m	Grid 8 M3 40.54 dBV/m	Grid 9 M4 38.82 dBV/m



0 dB = 106.4 V/m = 40.54 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 = 112.0 V/m; Power Drift = -0.04 dB

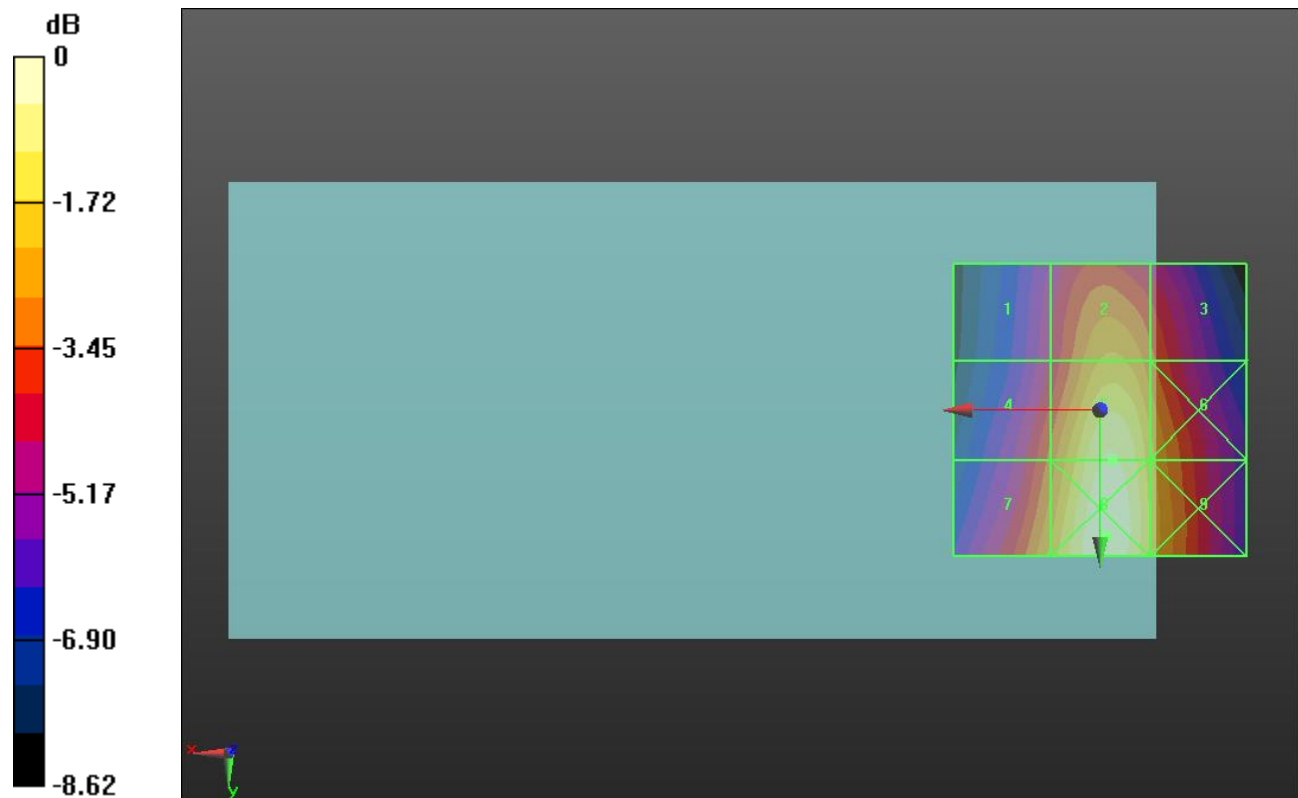
Applied MIF = 3.26 dB

RF audio interference level = 40.36 dBV/m

Emission category: **M3**

MIF scaled E-field

Grid 1 M4 36.34 dBV/m	Grid 2 M4 38.7 dBV/m	Grid 3 M4 37.65 dBV/m
Grid 4 M4 37.62 dBV/m	Grid 5 M3 40.36 dBV/m	Grid 6 M4 38.83 dBV/m
Grid 7 M4 38.73 dBV/m	Grid 8 M3 40.84 dBV/m	Grid 9 M4 39.11 dBV/m



0 dB = 110.2 V/m = 40.84 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 = 113.8 V/m; Power Drift = -0.02 dB

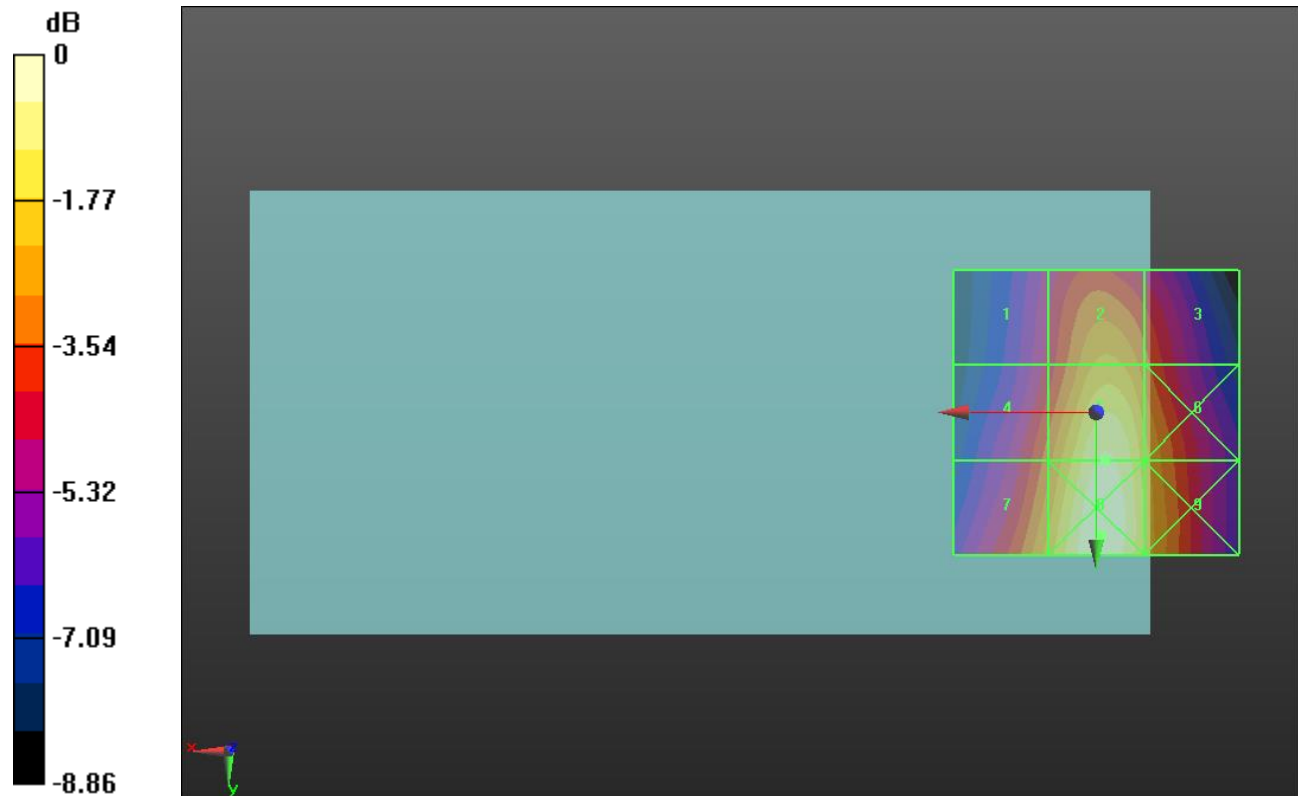
Applied MIF = 3.26 dB

RF audio interference level = 40.51 dBV/m

Emission category: **M3**

MIF scaled E-field

Grid 1 M4 36.5 dBV/m	Grid 2 M4 38.83 dBV/m	Grid 3 M4 37.72 dBV/m
Grid 4 M4 37.79 dBV/m	Grid 5 M3 40.51 dBV/m	Grid 6 M4 38.93 dBV/m
Grid 7 M4 38.9 dBV/m	Grid 8 M3 40.99 dBV/m	Grid 9 M4 39.21 dBV/m



0 dB = 112.1 V/m = 40.99 dBV/m

HAC-RF Emission UAT

Communication System: UID 10173, 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 - SN2540; ConvF(1, 1, 1); Calibrated: 8/10/2015;
- 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 = 40.21 V/m; Power Drift = -0.01 dB

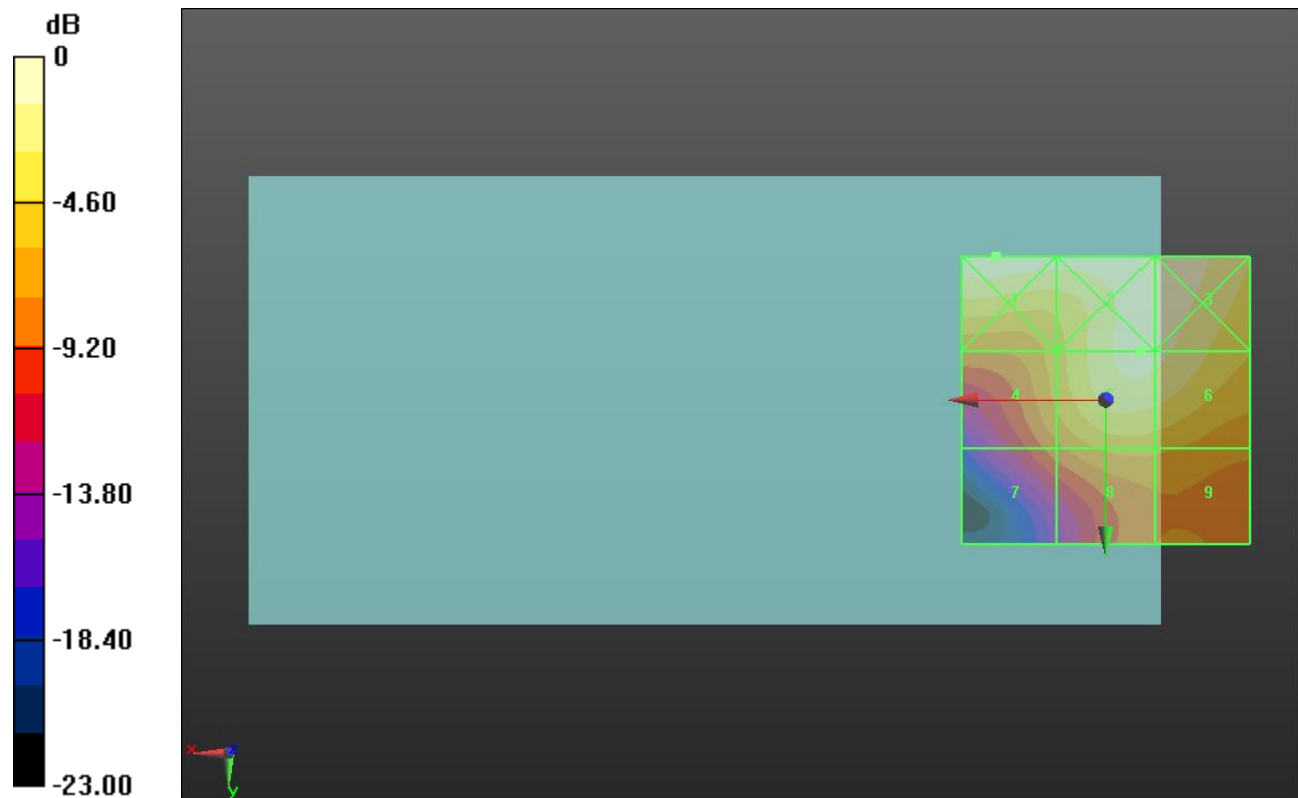
Applied MIF = -1.44 dB

RF audio interference level = 28.35 dBV/m

Emission category: **M4**

MIF scaled E-field

Grid 1 M4 29.33 dBV/m	Grid 2 M4 29.26 dBV/m	Grid 3 M4 29.18 dBV/m
Grid 4 M4 24.03 dBV/m	Grid 5 M4 28.35 dBV/m	Grid 6 M4 28.19 dBV/m
Grid 7 M4 21.18 dBV/m	Grid 8 M4 23.75 dBV/m	Grid 9 M4 23.57 dBV/m



0 dB = 29.28 V/m = 29.33 dBV/m

HAC-RF Emission UAT

Communication System: UID 10173, 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 - SN2540; ConvF(1, 1, 1); Calibrated: 8/10/2015;
- 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 = 45.25 V/m; Power Drift = -0.00 dB

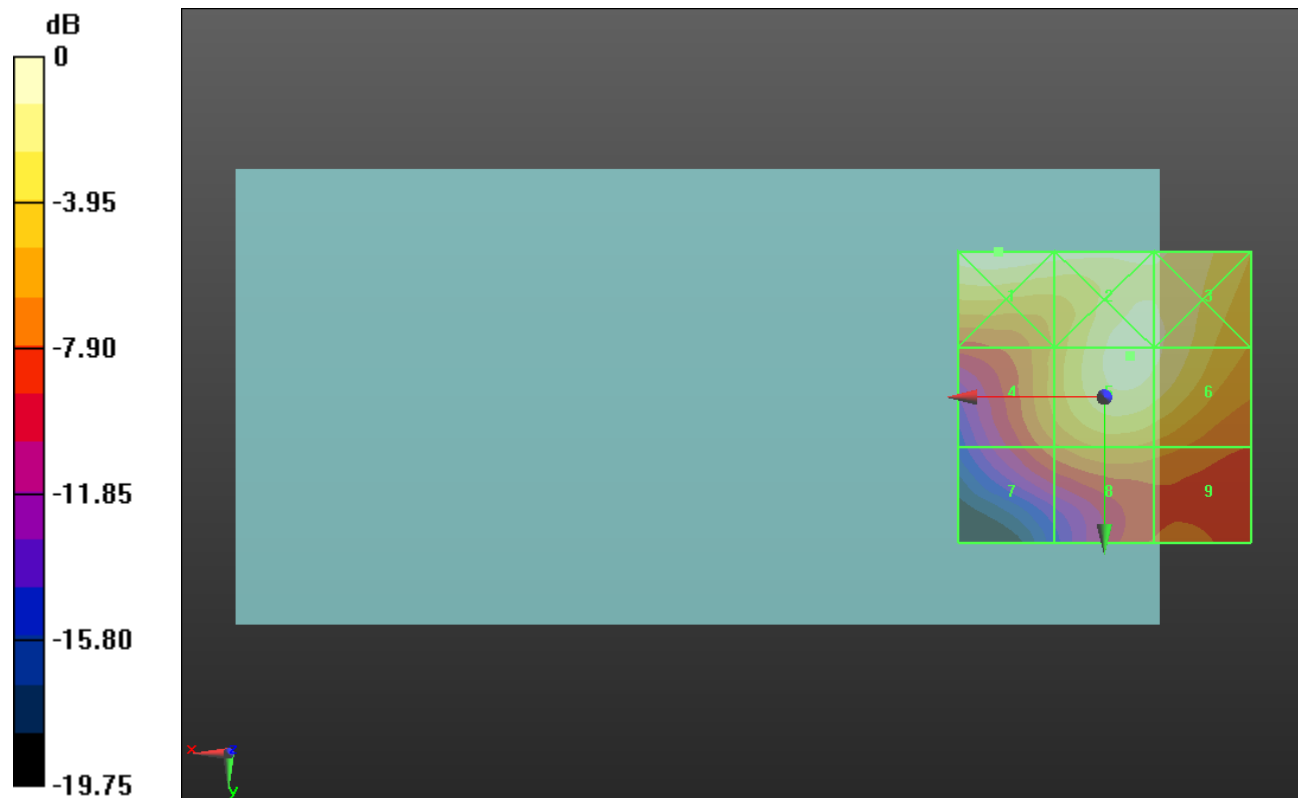
Applied MIF = -1.44 dB

RF audio interference level = 28.32 dBV/m

Emission category: **M4**

MIF scaled E-field

Grid 1 M4 28.95 dBV/m	Grid 2 M4 28.63 dBV/m	Grid 3 M4 27.94 dBV/m
Grid 4 M4 24.3 dBV/m	Grid 5 M4 28.32 dBV/m	Grid 6 M4 27.93 dBV/m
Grid 7 M4 22.07 dBV/m	Grid 8 M4 23.88 dBV/m	Grid 9 M4 23.18 dBV/m



0 dB = 28.01 V/m = 28.95 dBV/m

HAC-RF Emission UAT

Communication System: UID 10173, 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 - SN2540; ConvF(1, 1, 1); Calibrated: 8/10/2015;
- 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 = 39.60 V/m; Power Drift = -0.03 dB

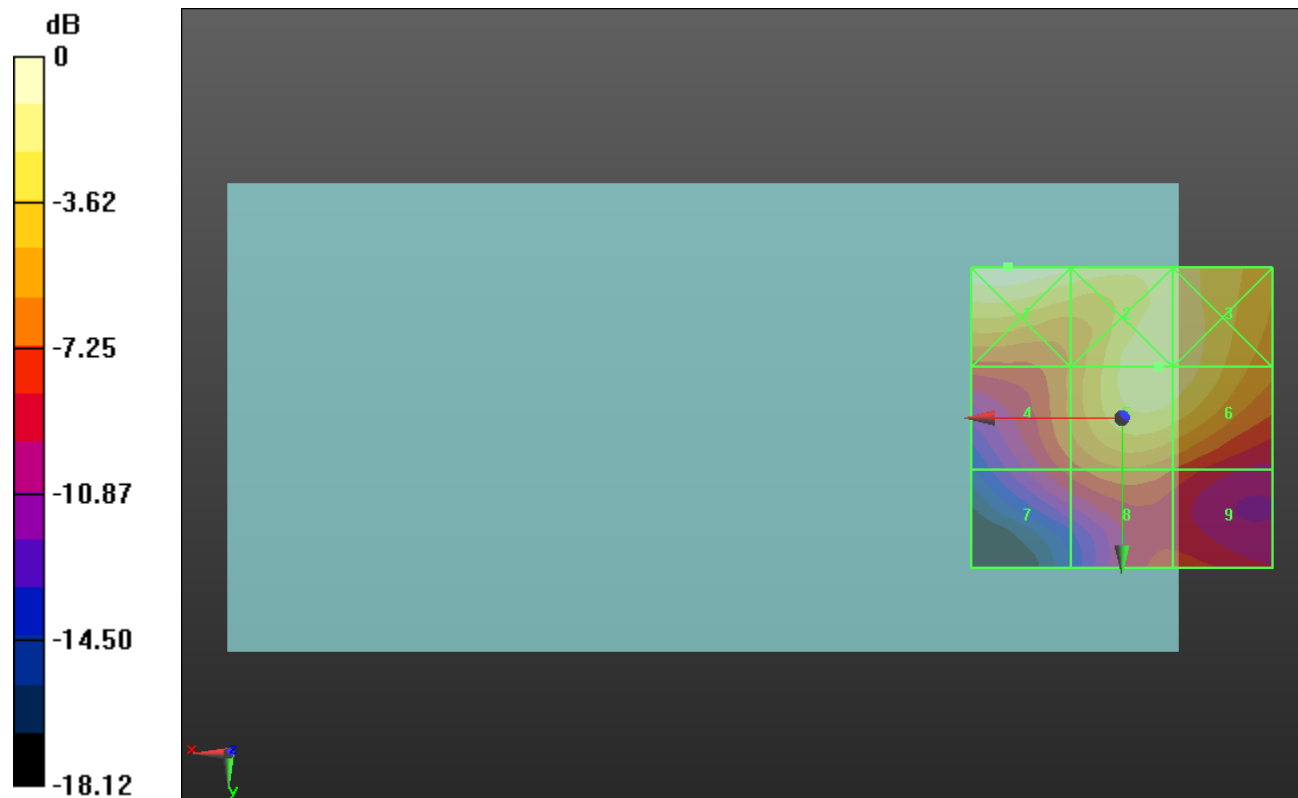
Applied MIF = -1.44 dB

RF audio interference level = 27.59 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 28.93 dBV/m	Grid 2 M4 28.03 dBV/m	Grid 3 M4 27.44 dBV/m
Grid 4 M4 23.23 dBV/m	Grid 5 M4 27.59 dBV/m	Grid 6 M4 27.38 dBV/m
Grid 7 M4 21.13 dBV/m	Grid 8 M4 22.81 dBV/m	Grid 9 M4 21.7 dBV/m



0 dB = 27.96 V/m = 28.93 dBV/m

HAC-RF Emission UAT

Communication System: UID 10173, 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 - SN2540; ConvF(1, 1, 1); Calibrated: 8/10/2015;
- 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 = 46.17 V/m; Power Drift = -0.04 dB

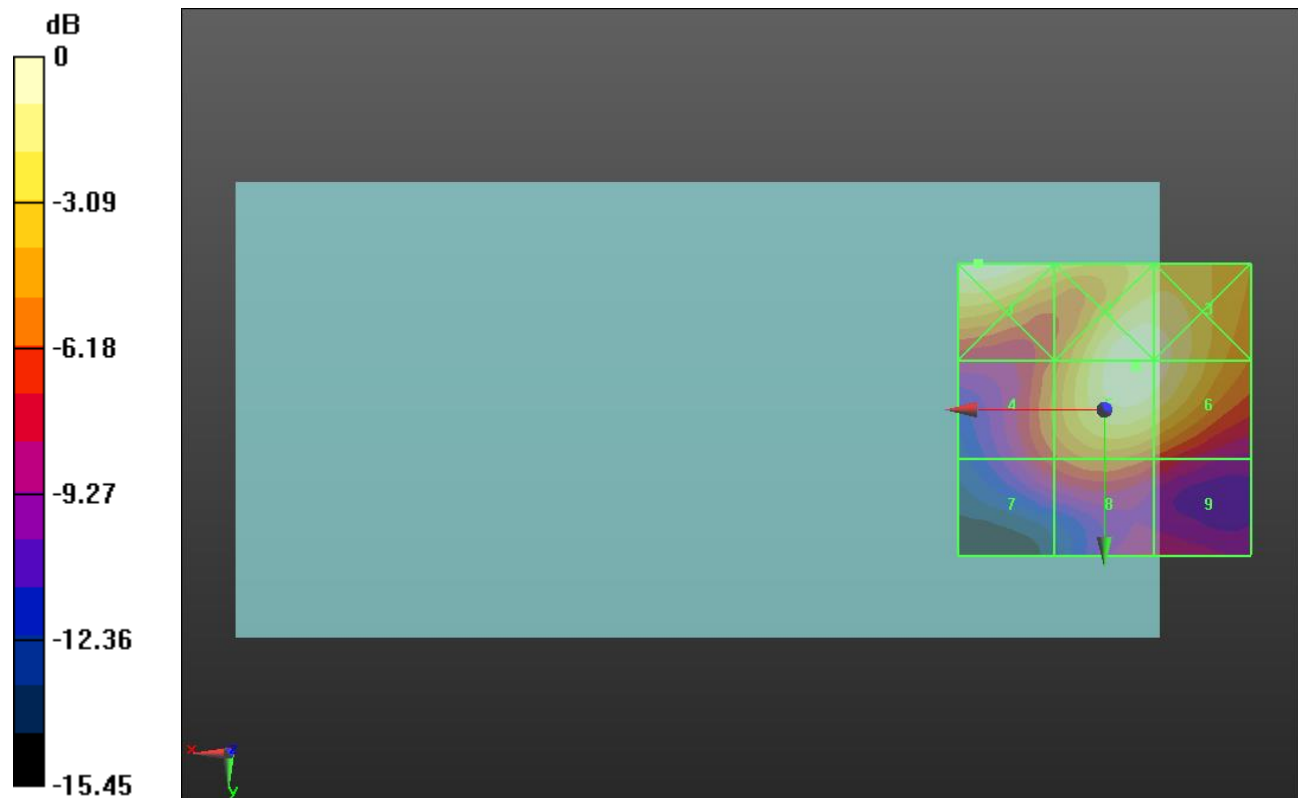
Applied MIF = -1.44 dB

RF audio interference level = 28.27 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 28.36 dBV/m	Grid 2 M4 28.24 dBV/m	Grid 3 M4 27.93 dBV/m
Grid 4 M4 23.64 dBV/m	Grid 5 M4 28.27 dBV/m	Grid 6 M4 27.93 dBV/m
Grid 7 M4 21.85 dBV/m	Grid 8 M4 23.33 dBV/m	Grid 9 M4 21.76 dBV/m



0 dB = 26.17 V/m = 28.36 dBV/m

HAC-RF Emission UAT

Communication System: UID 10173, 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 - SN2540; ConvF(1, 1, 1); Calibrated: 8/10/2015;
- 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 = 54.97 V/m; Power Drift = -0.03 dB

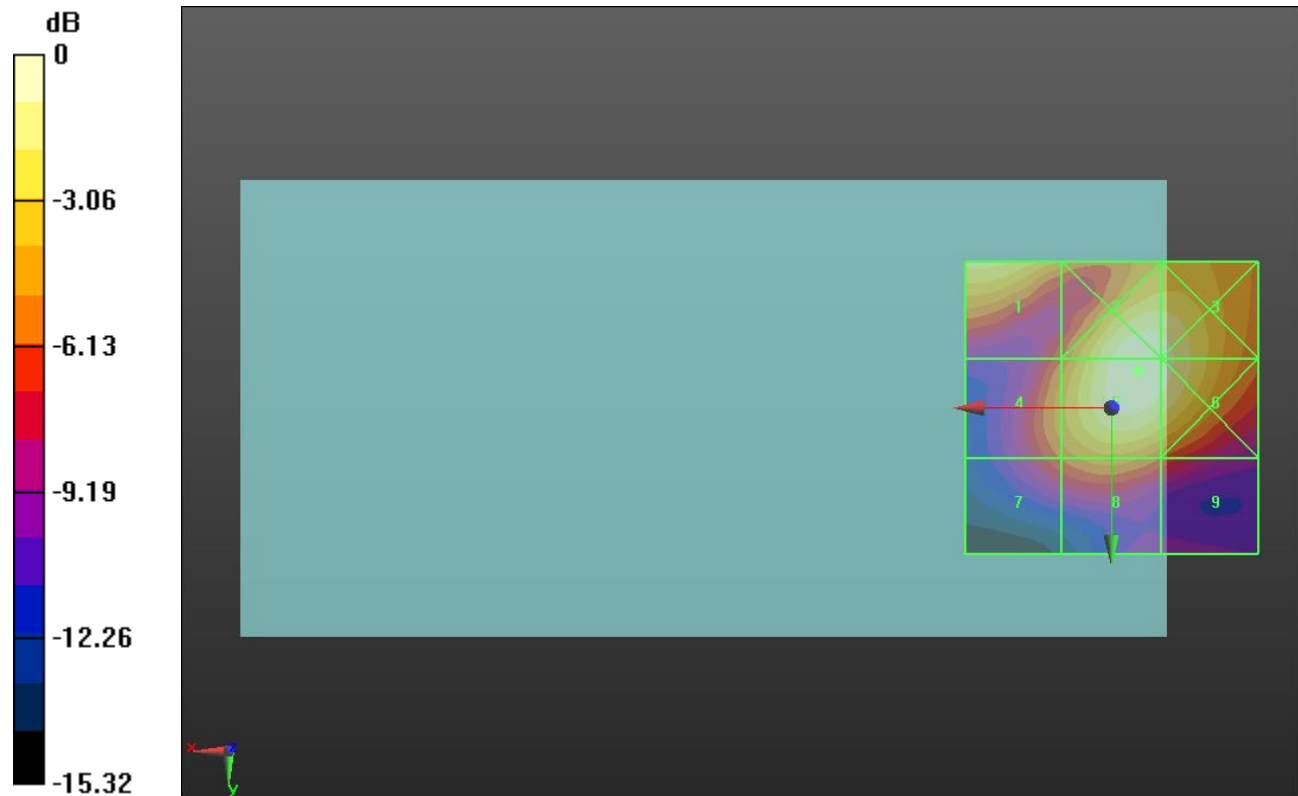
Applied MIF = -1.44 dB

RF audio interference level = 29.26 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 27.67 dBV/m	Grid 2 M4 29.17 dBV/m	Grid 3 M4 28.74 dBV/m
Grid 4 M4 24.9 dBV/m	Grid 5 M4 29.26 dBV/m	Grid 6 M4 28.77 dBV/m
Grid 7 M4 23.29 dBV/m	Grid 8 M4 24.9 dBV/m	Grid 9 M4 23.12 dBV/m



0 dB = 29.04 V/m = 29.26 dBV/m

HAC-RF Emission UAT

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 = 49.04 V/m; Power Drift = -1.84 dB

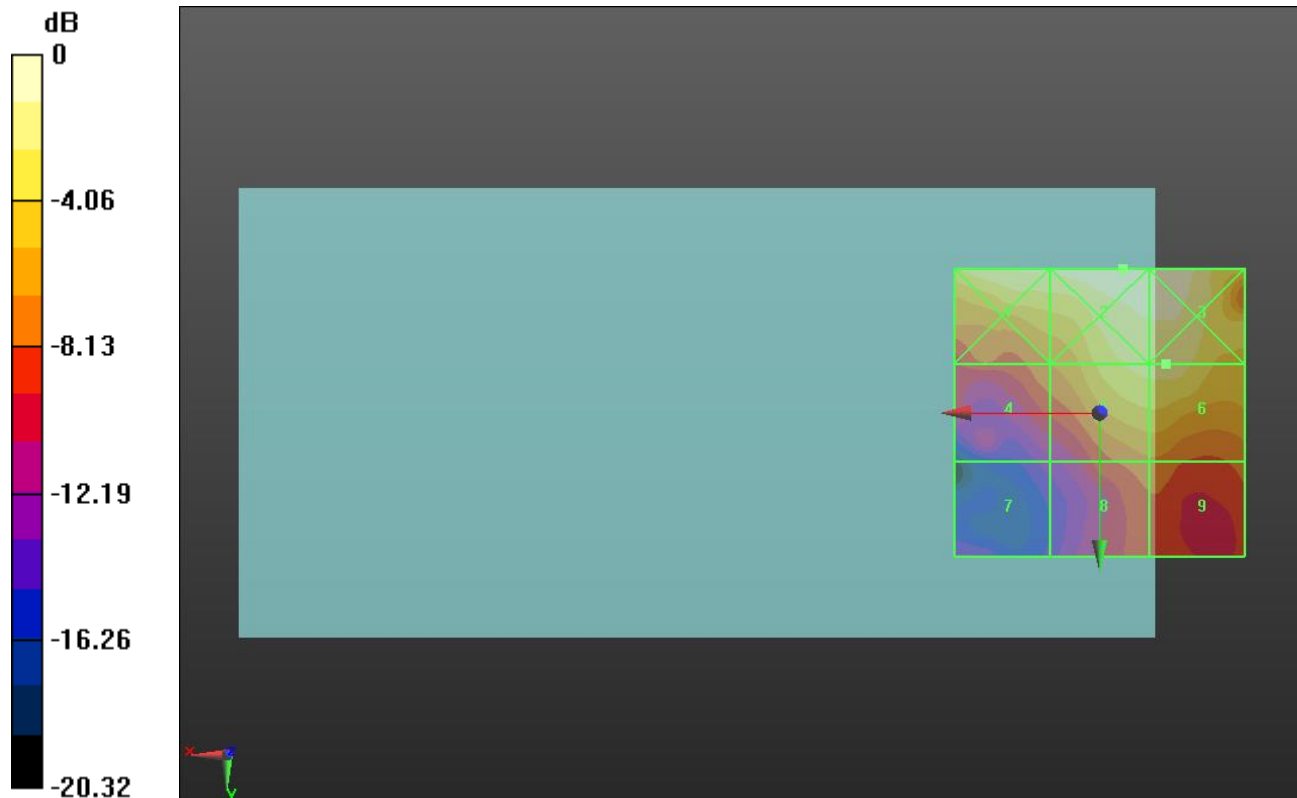
Applied MIF = -2.02 dB

RF audio interference level = 32.72 dBV/m

Emission category: **M3**

MIF scaled E-field

Grid 1 M3 33.99 dBV/m	Grid 2 M3 34.9 dBV/m	Grid 3 M3 34.73 dBV/m
Grid 4 M4 28.14 dBV/m	Grid 5 M3 32.68 dBV/m	Grid 6 M3 32.72 dBV/m
Grid 7 M4 22.24 dBV/m	Grid 8 M4 27.87 dBV/m	Grid 9 M4 27.91 dBV/m



0 dB = 55.58 V/m = 34.90 dBV/m

HAC-RF Emission UAT

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 = 43.71 V/m; Power Drift = 0.09 dB

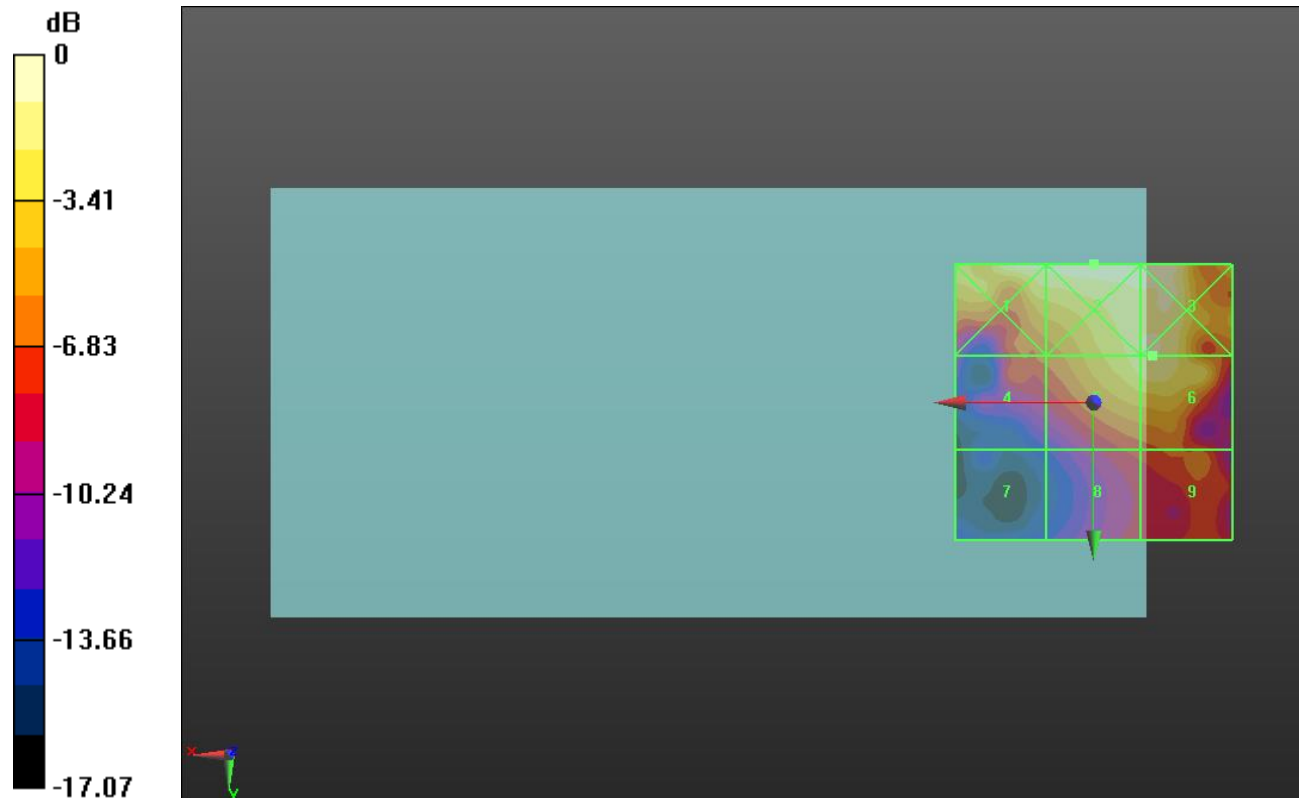
Applied MIF = -2.02 dB

RF audio interference level = 32.33 dBV/m

Emission category: **M3**

MIF scaled E-field

Grid 1 M3 33.07 dBV/m	Grid 2 M3 33.43 dBV/m	Grid 3 M3 33.08 dBV/m
Grid 4 M4 27.05 dBV/m	Grid 5 M3 32.07 dBV/m	Grid 6 M3 32.33 dBV/m
Grid 7 M4 21.61 dBV/m	Grid 8 M4 26.05 dBV/m	Grid 9 M4 27.45 dBV/m



0 dB = 46.92 V/m = 33.43 dBV/m

HAC-RF Emission UAT

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 = 47.36 V/m; Power Drift = -0.20 dB

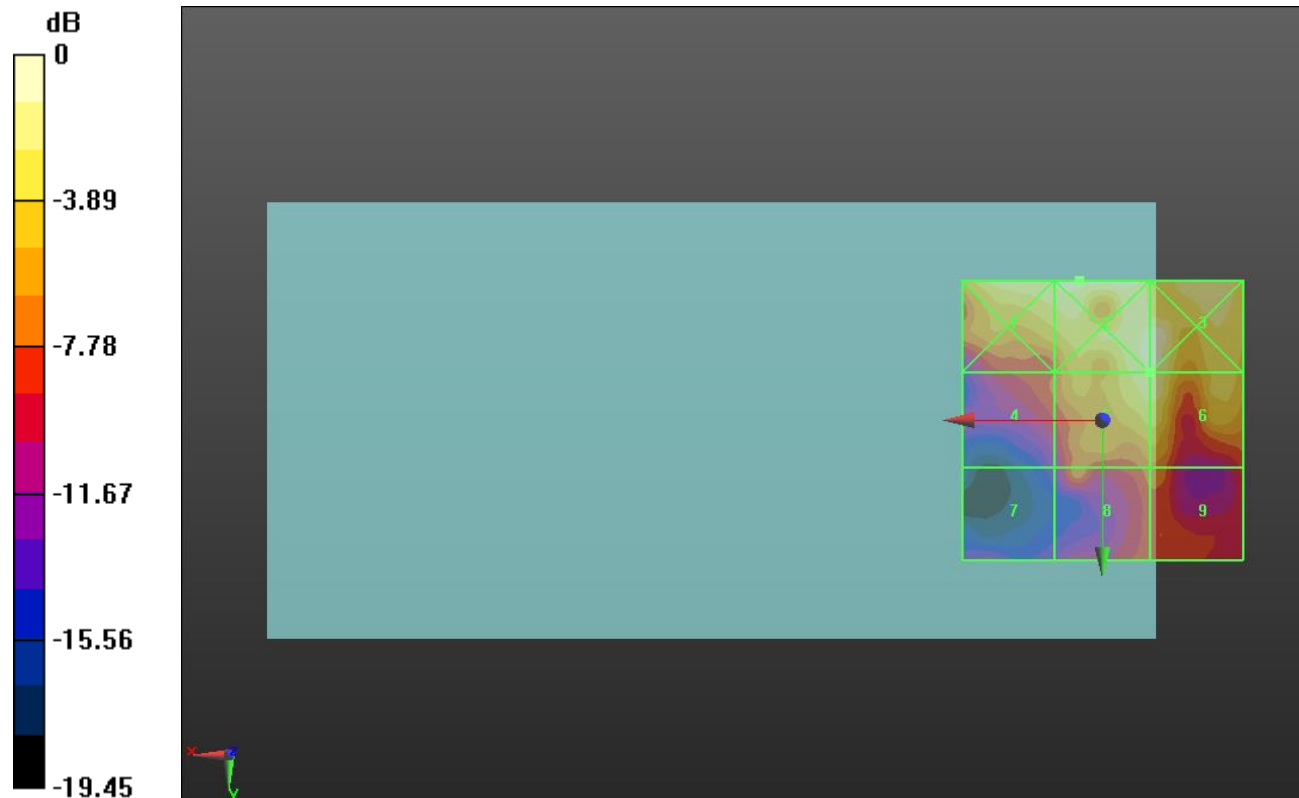
Applied MIF = -2.02 dB

RF audio interference level = 32.69 dBV/m

Emission category: **M3**

MIF scaled E-field

Grid 1 M3 33.16 dBV/m	Grid 2 M3 33.98 dBV/m	Grid 3 M3 33.41 dBV/m
Grid 4 M4 26.71 dBV/m	Grid 5 M3 32.69 dBV/m	Grid 6 M3 32.69 dBV/m
Grid 7 M4 21.86 dBV/m	Grid 8 M4 27.18 dBV/m	Grid 9 M4 27.27 dBV/m



0 dB = 50.02 V/m = 33.98 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 = 39.00 V/m; Power Drift = -0.02 dB

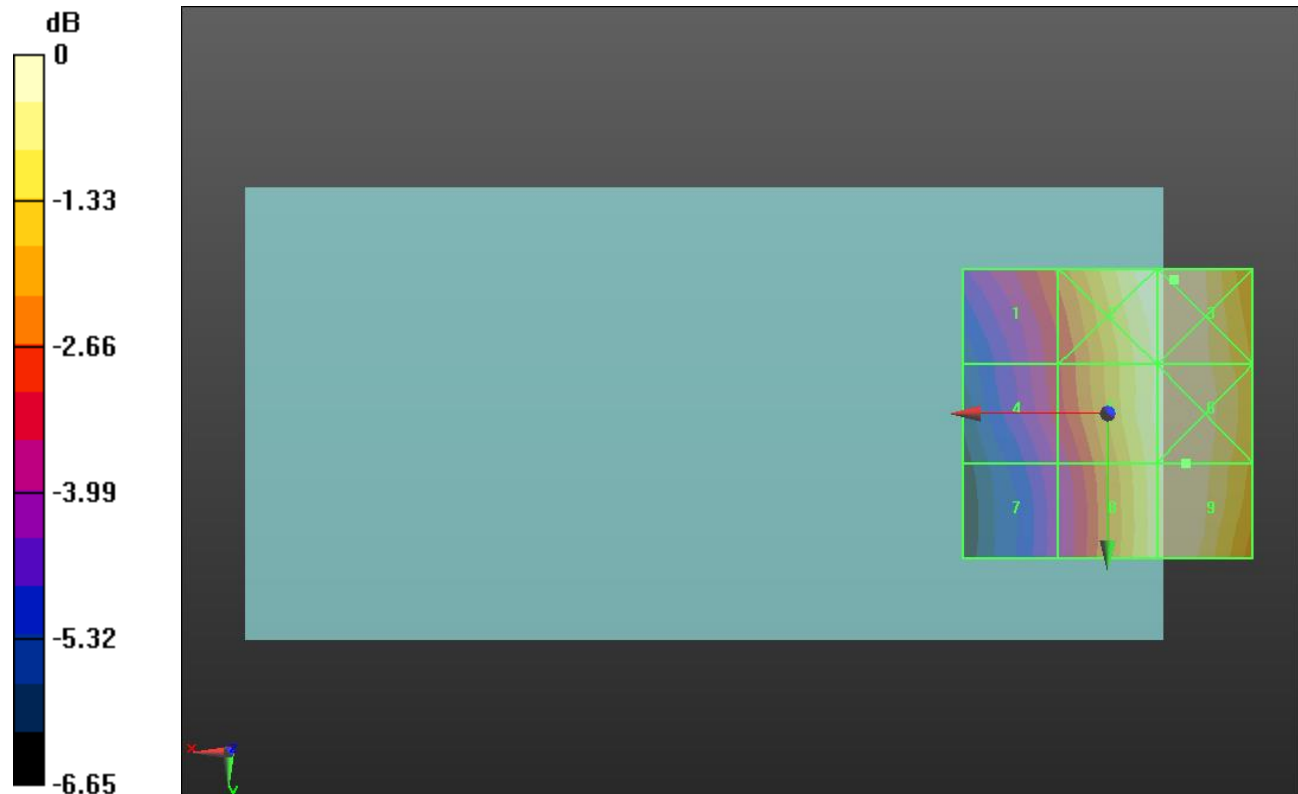
Applied MIF = 3.63 dB

RF audio interference level = 34.88 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 32.49 dBV/m	Grid 2 M4 34.95 dBV/m	Grid 3 M4 35.02 dBV/m
Grid 4 M4 31.88 dBV/m	Grid 5 M4 34.71 dBV/m	Grid 6 M4 35 dBV/m
Grid 7 M4 31.19 dBV/m	Grid 8 M4 34.51 dBV/m	Grid 9 M4 34.88 dBV/m



0 dB = 56.39 V/m = 35.02 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 = 32.19 V/m; Power Drift = -0.00 dB

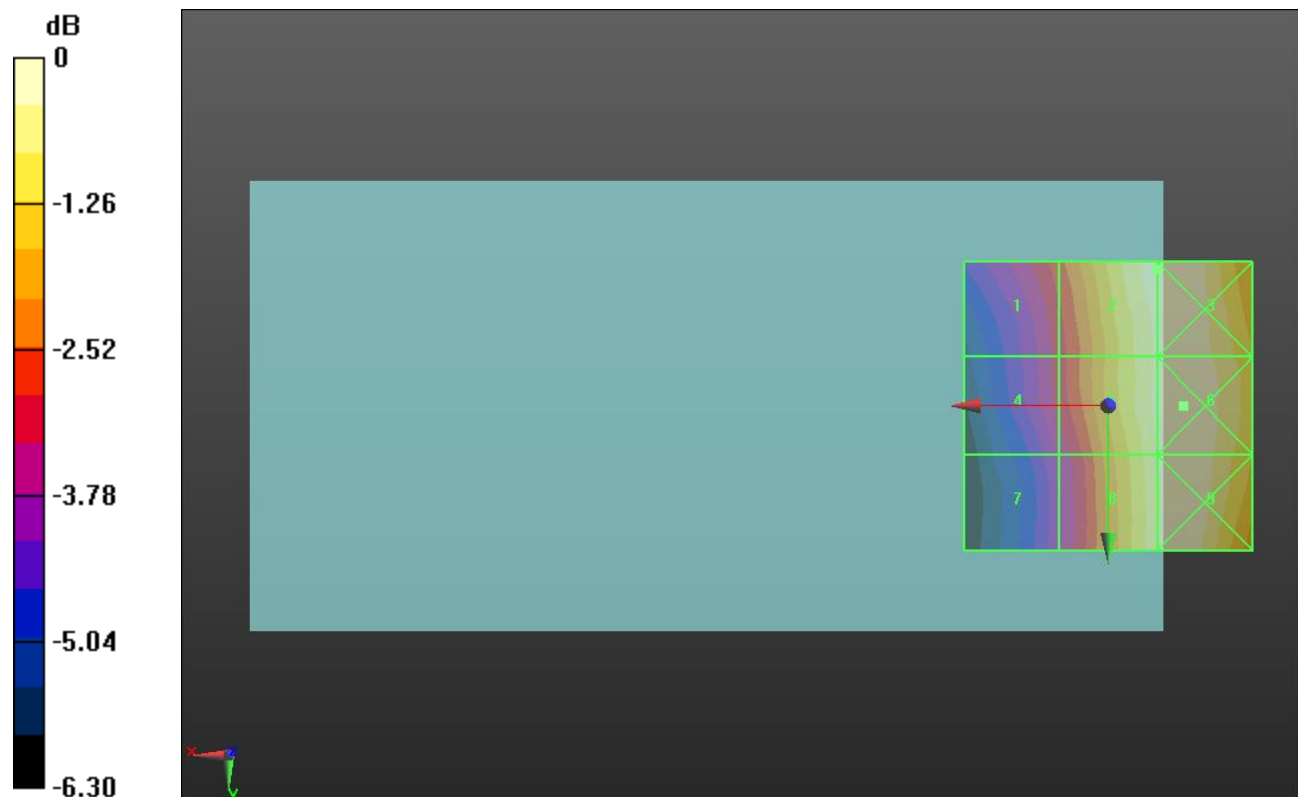
Applied MIF = 3.63 dB

RF audio interference level = 32.97 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 30.47 dBV/m	Grid 2 M4 32.97 dBV/m	Grid 3 M4 33.07 dBV/m
Grid 4 M4 30 dBV/m	Grid 5 M4 32.86 dBV/m	Grid 6 M4 33.13 dBV/m
Grid 7 M4 29.45 dBV/m	Grid 8 M4 32.7 dBV/m	Grid 9 M4 33.06 dBV/m



0 dB = 45.34 V/m = 33.13 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 = 44.48 V/m; Power Drift = -0.03 dB

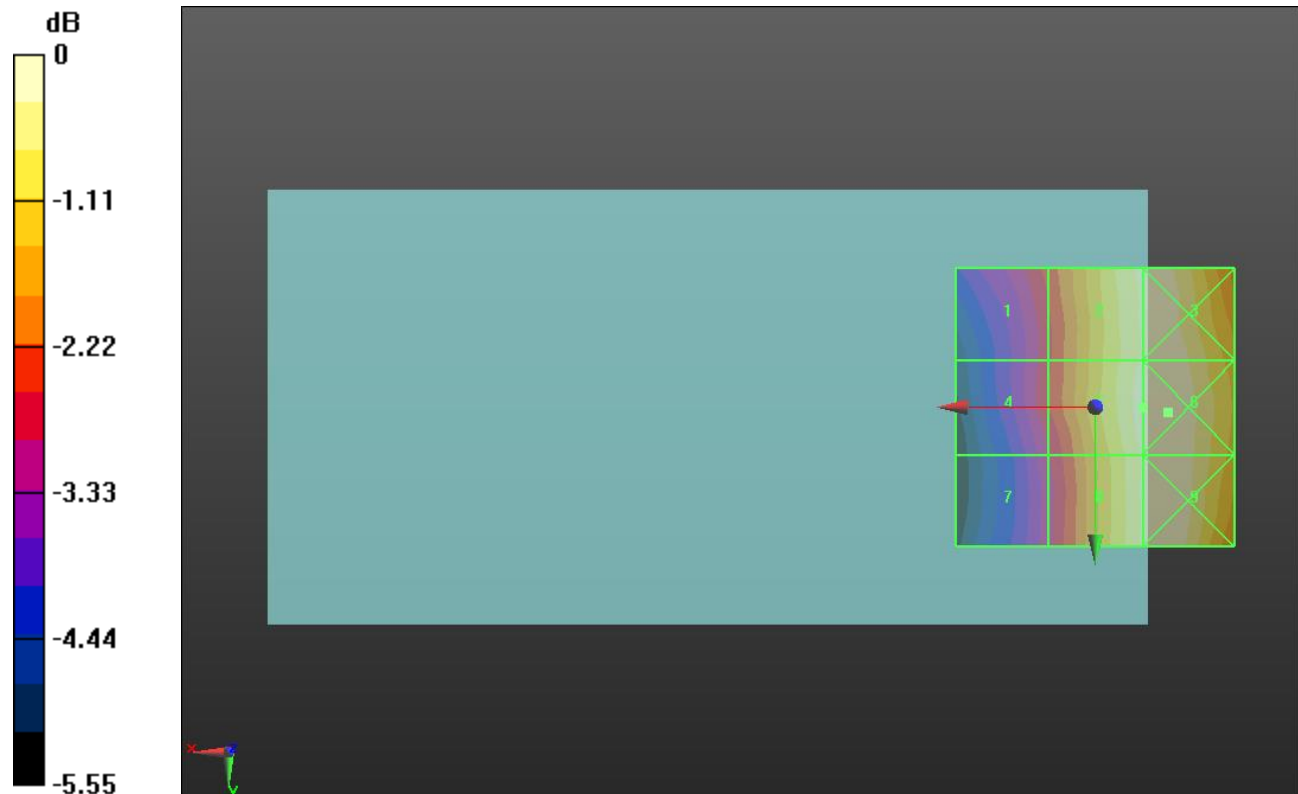
Applied MIF = 3.63 dB

RF audio interference level = 35.18 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 32.93 dBV/m	Grid 2 M4 35.1 dBV/m	Grid 3 M4 35.2 dBV/m
Grid 4 M4 32.76 dBV/m	Grid 5 M4 35.18 dBV/m	Grid 6 M4 35.37 dBV/m
Grid 7 M4 32.37 dBV/m	Grid 8 M4 35.07 dBV/m	Grid 9 M4 35.31 dBV/m



0 dB = 58.69 V/m = 35.37 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 = 16.76 V/m; Power Drift = -0.01 dB

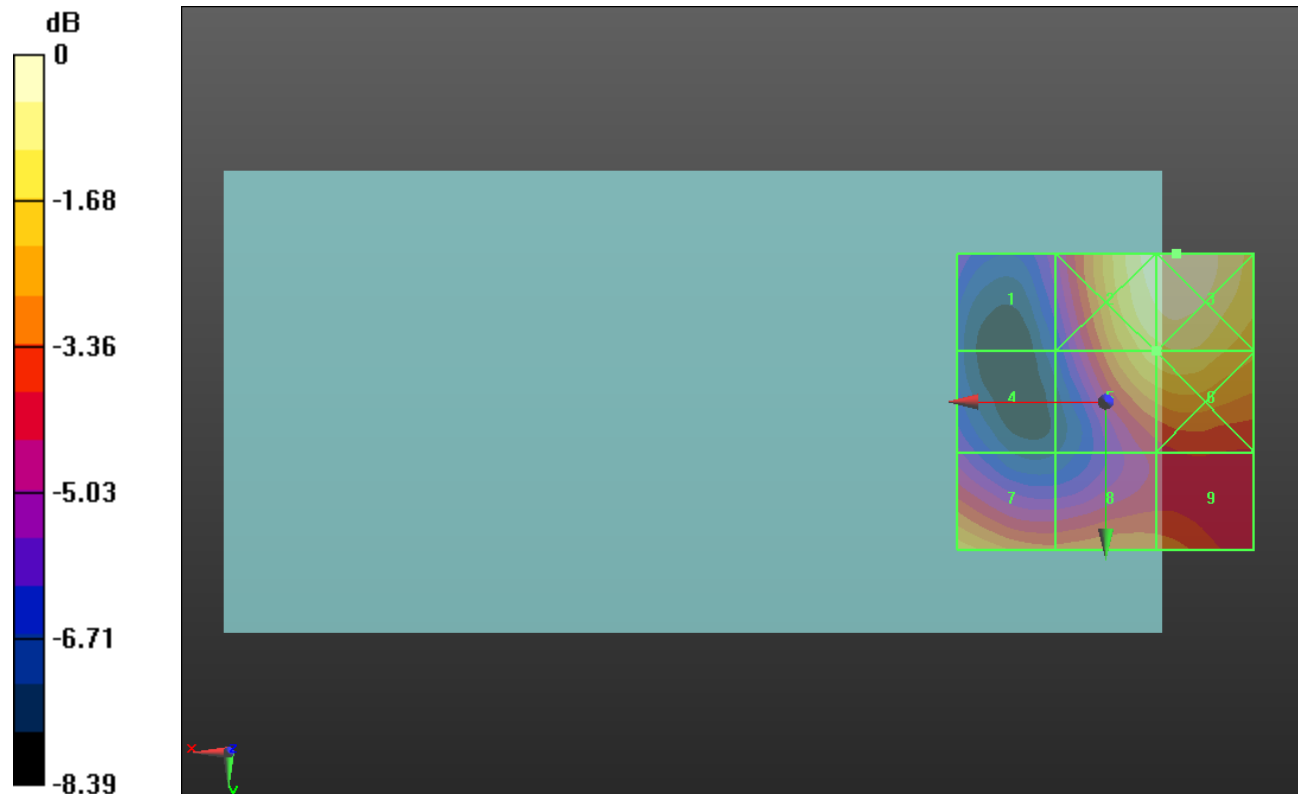
Applied MIF = 3.63 dB

RF audio interference level = 29.45 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 25.64 dBV/m	Grid 2 M3 30.58 dBV/m	Grid 3 M3 30.78 dBV/m
Grid 4 M4 25.39 dBV/m	Grid 5 M4 29.45 dBV/m	Grid 6 M4 29.66 dBV/m
Grid 7 M4 29 dBV/m	Grid 8 M4 28.05 dBV/m	Grid 9 M4 27.93 dBV/m



0 dB = 34.61 V/m = 30.78 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 = 16.87 V/m; Power Drift = 0.03 dB

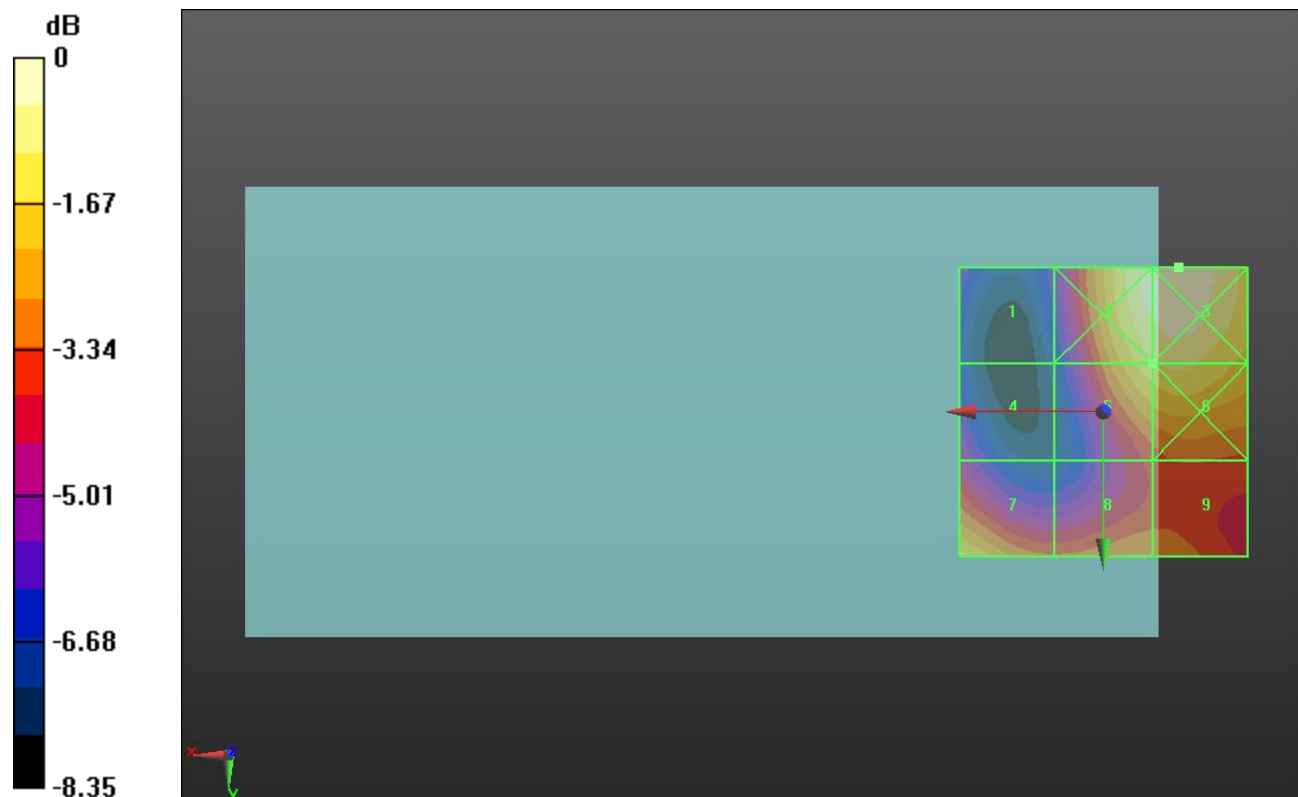
Applied MIF = 3.63 dB

RF audio interference level = 29.75 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 25.62 dBV/m	Grid 2 M3 30.7 dBV/m	Grid 3 M3 30.96 dBV/m
Grid 4 M4 26.27 dBV/m	Grid 5 M4 29.75 dBV/m	Grid 6 M3 30 dBV/m
Grid 7 M4 29.57 dBV/m	Grid 8 M4 28.25 dBV/m	Grid 9 M4 28.23 dBV/m



0 dB = 35.31 V/m = 30.96 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 = 19.18 V/m; Power Drift = -0.04 dB

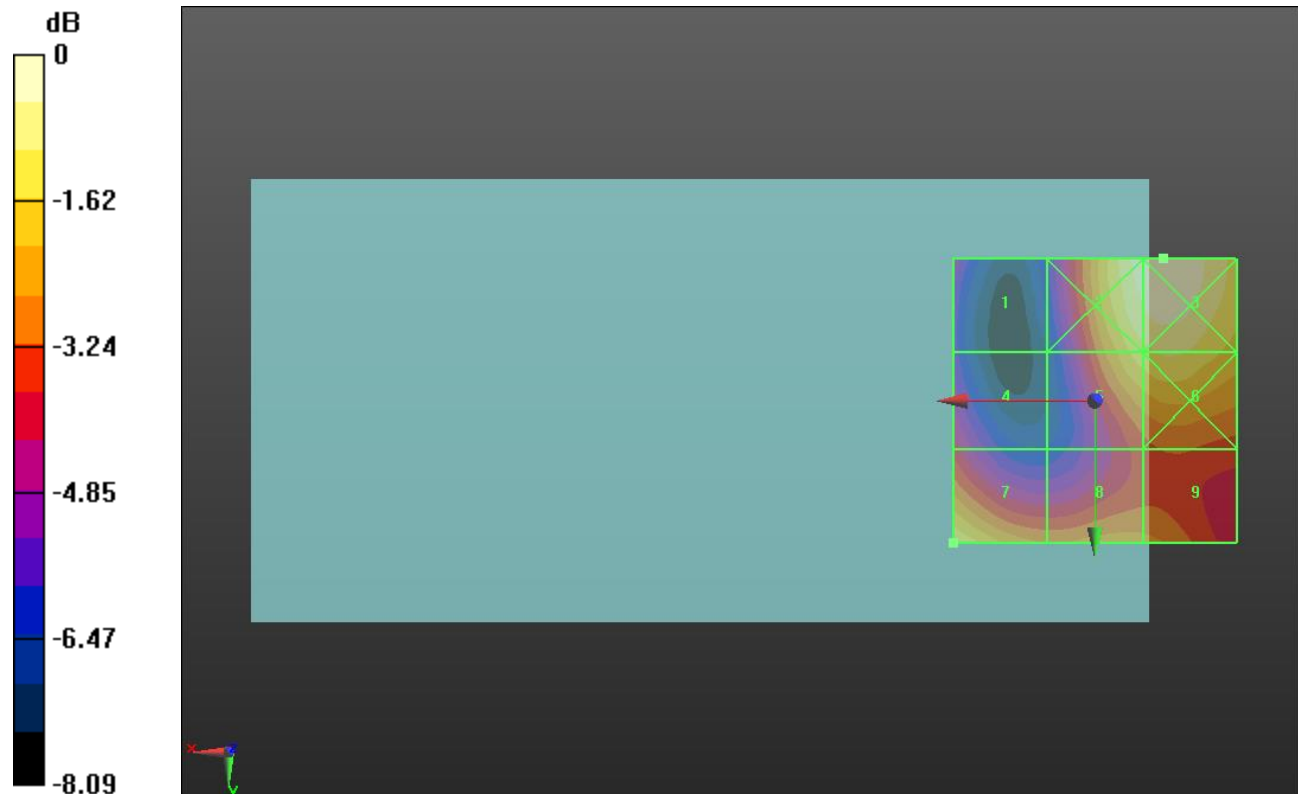
Applied MIF = 3.63 dB

RF audio interference level = 31.16 dBV/m

Emission category: M3

MIF scaled E-field

Grid 1 M4 27.35 dBV/m	Grid 2 M3 31.9 dBV/m	Grid 3 M3 32.15 dBV/m
Grid 4 M4 28.25 dBV/m	Grid 5 M3 30.86 dBV/m	Grid 6 M3 31.15 dBV/m
Grid 7 M3 31.16 dBV/m	Grid 8 M4 29.8 dBV/m	Grid 9 M4 29.71 dBV/m



0 dB = 40.52 V/m = 32.15 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 = 44.37 V/m; Power Drift = -0.01 dB

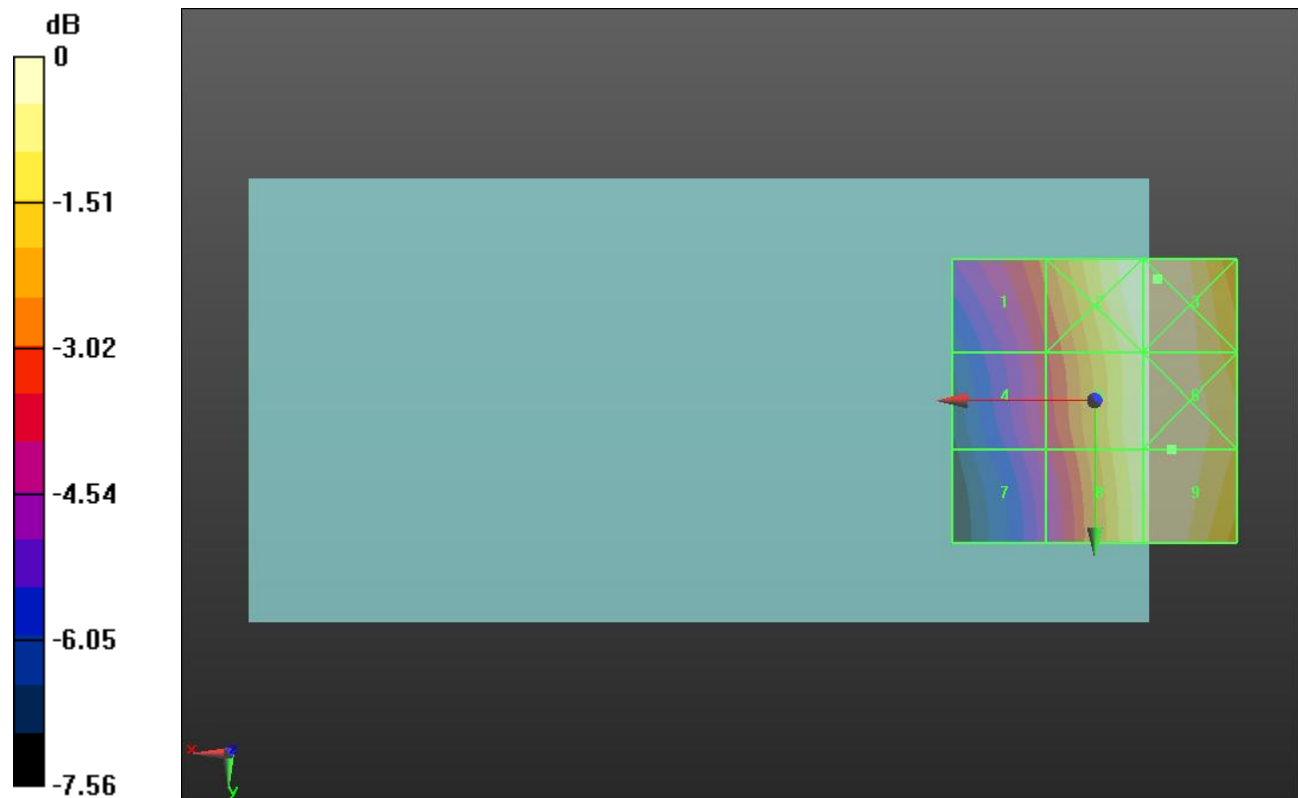
Applied MIF = 3.26 dB

RF audio interference level = 36.49 dBV/m

Emission category: **M4**

MIF scaled E-field

Grid 1 M4 33.81 dBV/m	Grid 2 M4 36.5 dBV/m	Grid 3 M4 36.57 dBV/m
Grid 4 M4 33 dBV/m	Grid 5 M4 36.19 dBV/m	Grid 6 M4 36.54 dBV/m
Grid 7 M4 32.48 dBV/m	Grid 8 M4 36.12 dBV/m	Grid 9 M4 36.49 dBV/m



0 dB = 67.39 V/m = 36.57 dBV/m

HAC-RF Emission LAT

Communication System: UID 10295 - AAB, CDMA2000, RC1, SO3, 1/8th Rate 25 fr.; Frequency: 836.52 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 = 44.05 V/m; Power Drift = -0.02 dB

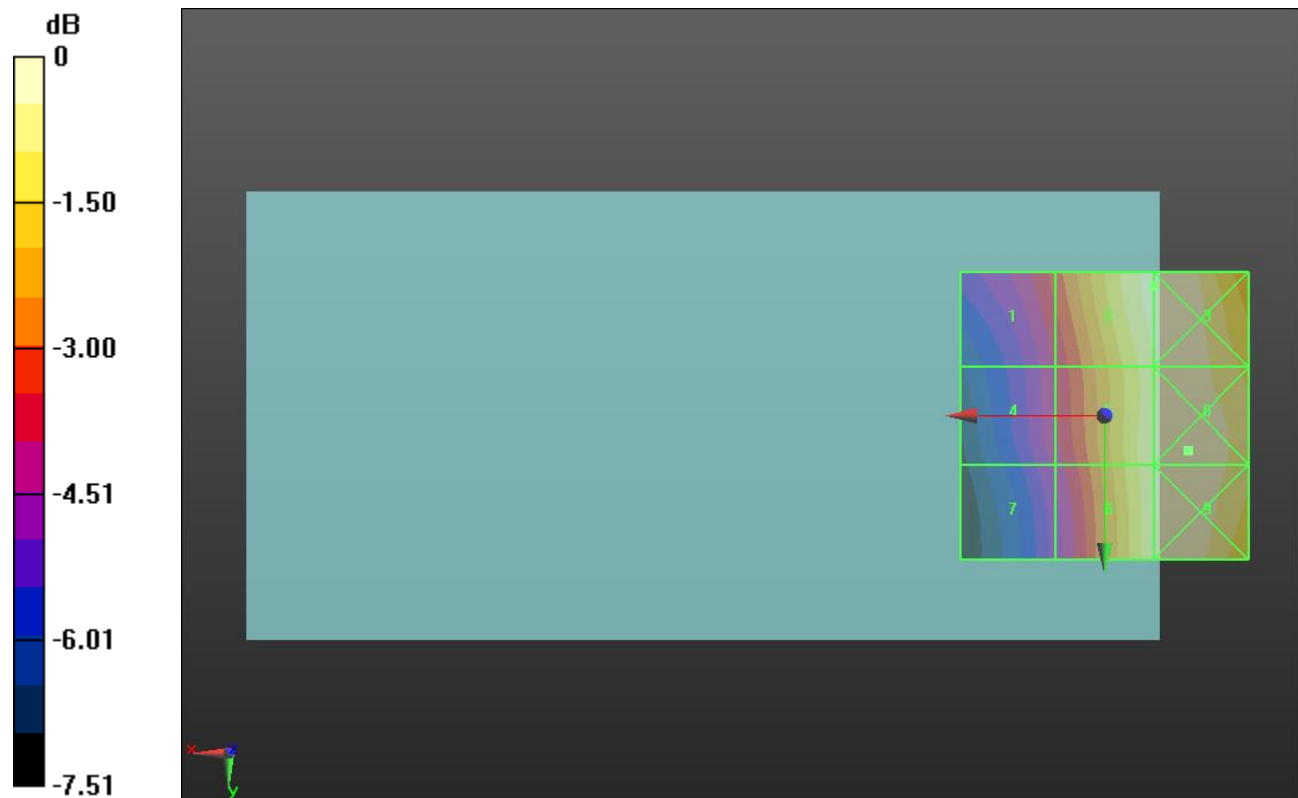
Applied MIF = 3.26 dB

RF audio interference level = 36.34 dBV/m

Emission category: **M4**

MIF scaled E-field

Grid 1 M4 33.36 dBV/m	Grid 2 M4 36.34 dBV/m	Grid 3 M4 36.48 dBV/m
Grid 4 M4 32.67 dBV/m	Grid 5 M4 36.15 dBV/m	Grid 6 M4 36.61 dBV/m
Grid 7 M4 32.3 dBV/m	Grid 8 M4 36.11 dBV/m	Grid 9 M4 36.59 dBV/m



0 dB = 67.65 V/m = 36.61 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 = 44.08 V/m; Power Drift = -0.02 dB

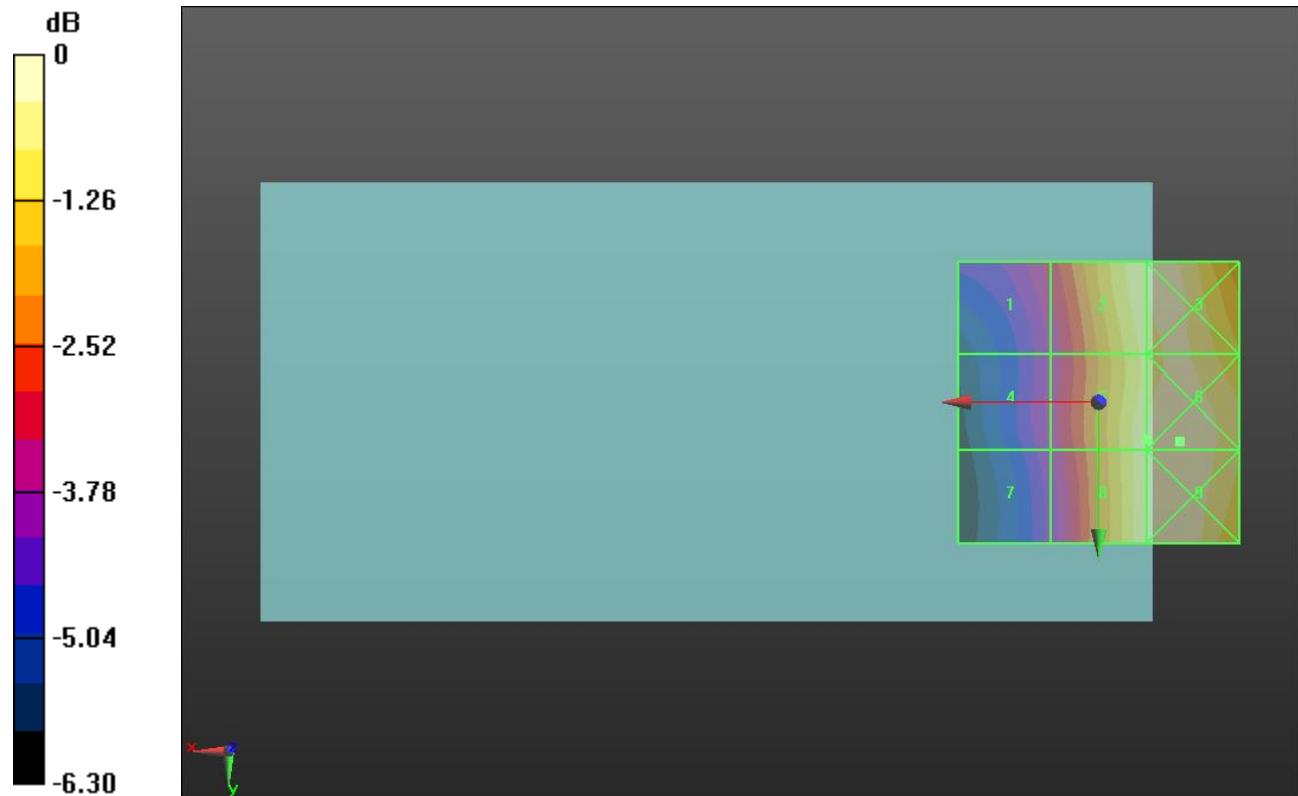
Applied MIF = 3.26 dB

RF audio interference level = 35.67 dBV/m

Emission category: **M4**

MIF scaled E-field

Grid 1 M4 32.94 dBV/m	Grid 2 M4 35.66 dBV/m	Grid 3 M4 35.81 dBV/m
Grid 4 M4 32.51 dBV/m	Grid 5 M4 35.67 dBV/m	Grid 6 M4 36.09 dBV/m
Grid 7 M4 32.36 dBV/m	Grid 8 M4 35.66 dBV/m	Grid 9 M4 36.08 dBV/m



0 dB = 63.72 V/m = 36.09 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 = 29.87 V/m; Power Drift = 0.02 dB

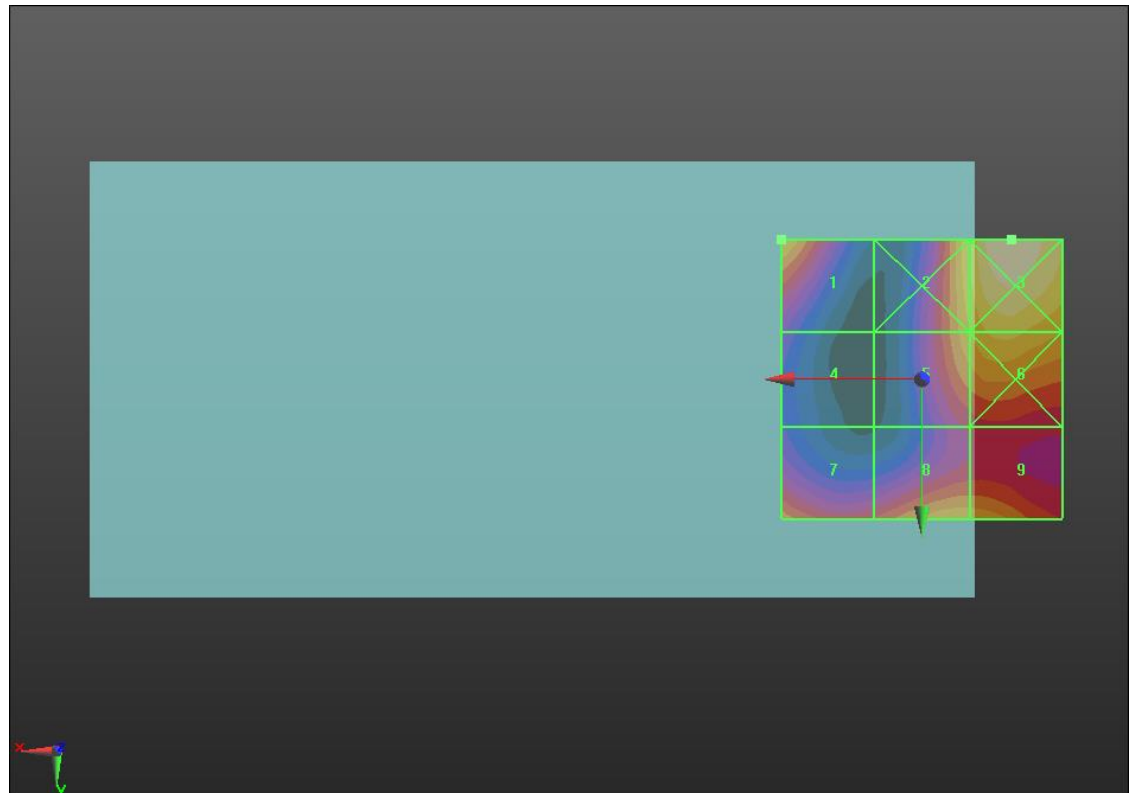
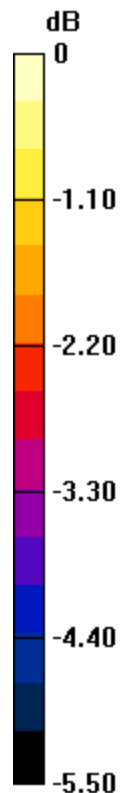
Applied MIF = 3.26 dB

RF audio interference level = 32.20 dBV/m

Emission category: M3

MIF scaled E-field

Grid 1 M3 32.2 dBV/m	Grid 2 M3 32.47 dBV/m	Grid 3 M3 33.52 dBV/m
Grid 4 M4 29.94 dBV/m	Grid 5 M3 32.03 dBV/m	Grid 6 M3 32.56 dBV/m
Grid 7 M3 31.64 dBV/m	Grid 8 M3 32.11 dBV/m	Grid 9 M3 32.1 dBV/m



0 dB = 47.43 V/m = 33.52 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 = 32.21 V/m; Power Drift = -0.02 dB

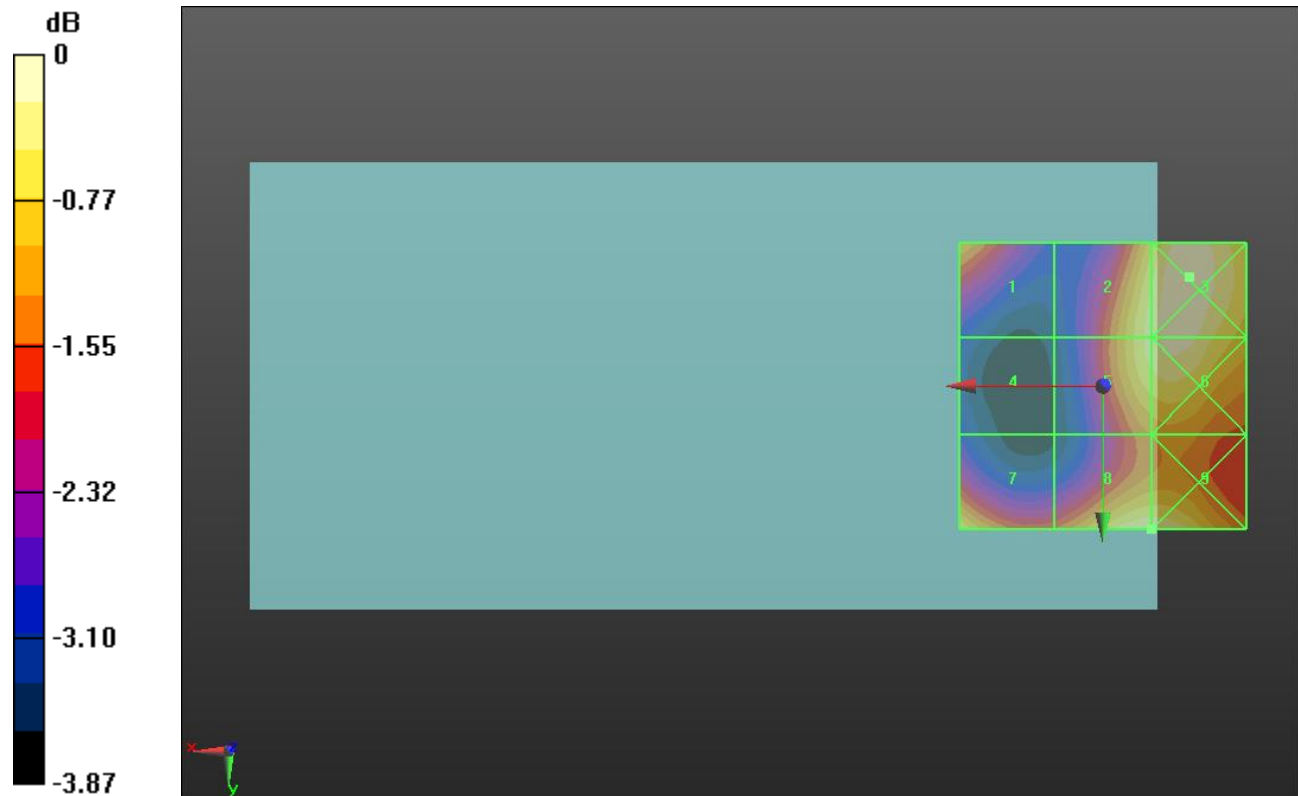
Applied MIF = 3.26 dB

RF audio interference level = 32.61 dBV/m

Emission category: **M3**

MIF scaled E-field

Grid 1 M3 31.81 dBV/m	Grid 2 M3 32.43 dBV/m	Grid 3 M3 32.8 dBV/m
Grid 4 M4 29.95 dBV/m	Grid 5 M3 32.43 dBV/m	Grid 6 M3 32.66 dBV/m
Grid 7 M3 32.39 dBV/m	Grid 8 M3 32.61 dBV/m	Grid 9 M3 32.61 dBV/m



0 dB = 43.66 V/m = 32.80 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 = 32.93 V/m; Power Drift = -0.00 dB

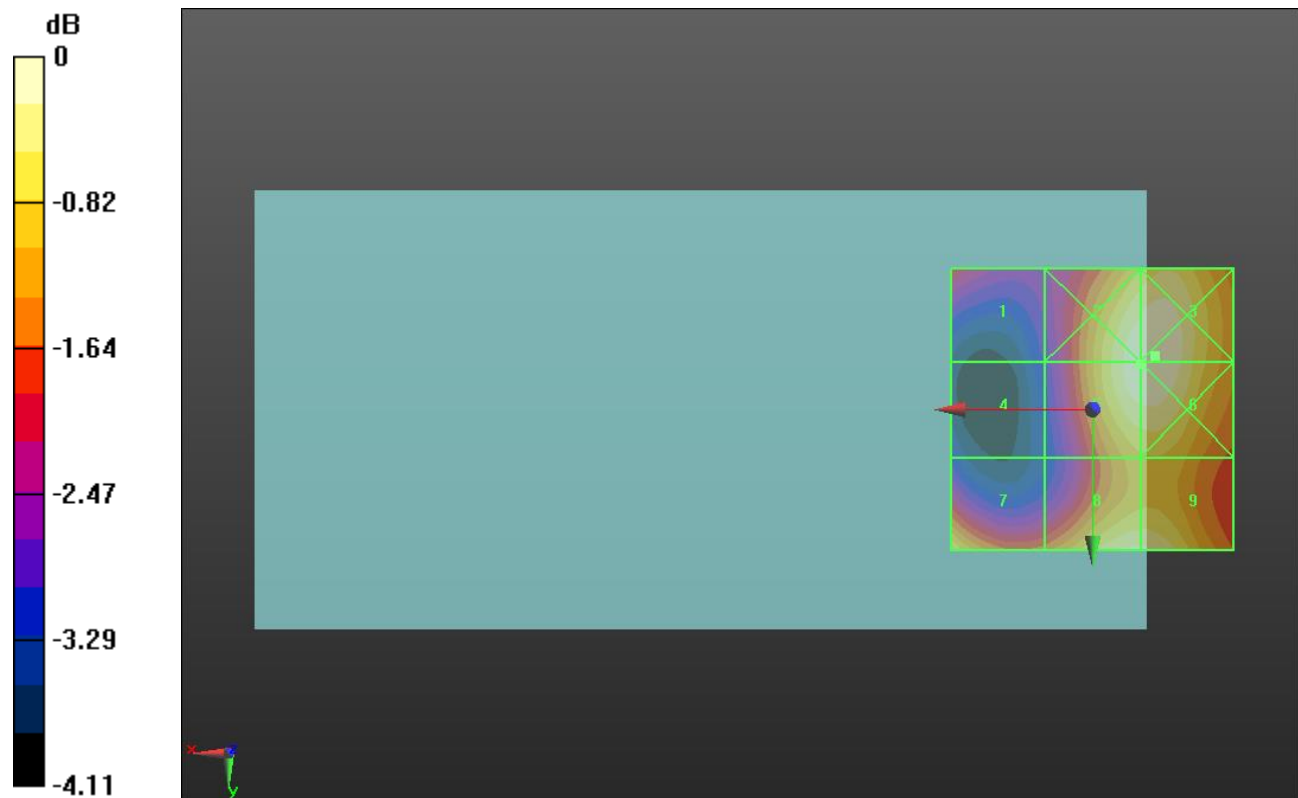
Applied MIF = 3.26 dB

RF audio interference level = 32.71 dBV/m

Emission category: **M3**

MIF scaled E-field

Grid 1 M3 30.86 dBV/m	Grid 2 M3 32.71 dBV/m	Grid 3 M3 32.75 dBV/m
Grid 4 M4 29.82 dBV/m	Grid 5 M3 32.71 dBV/m	Grid 6 M3 32.75 dBV/m
Grid 7 M3 32.33 dBV/m	Grid 8 M3 32.59 dBV/m	Grid 9 M3 32.59 dBV/m



0 dB = 43.43 V/m = 32.76 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 - SN2540; ConvF(1, 1, 1); Calibrated: 8/10/2015;
- 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 = 53.73 V/m; Power Drift = 0.02 dB

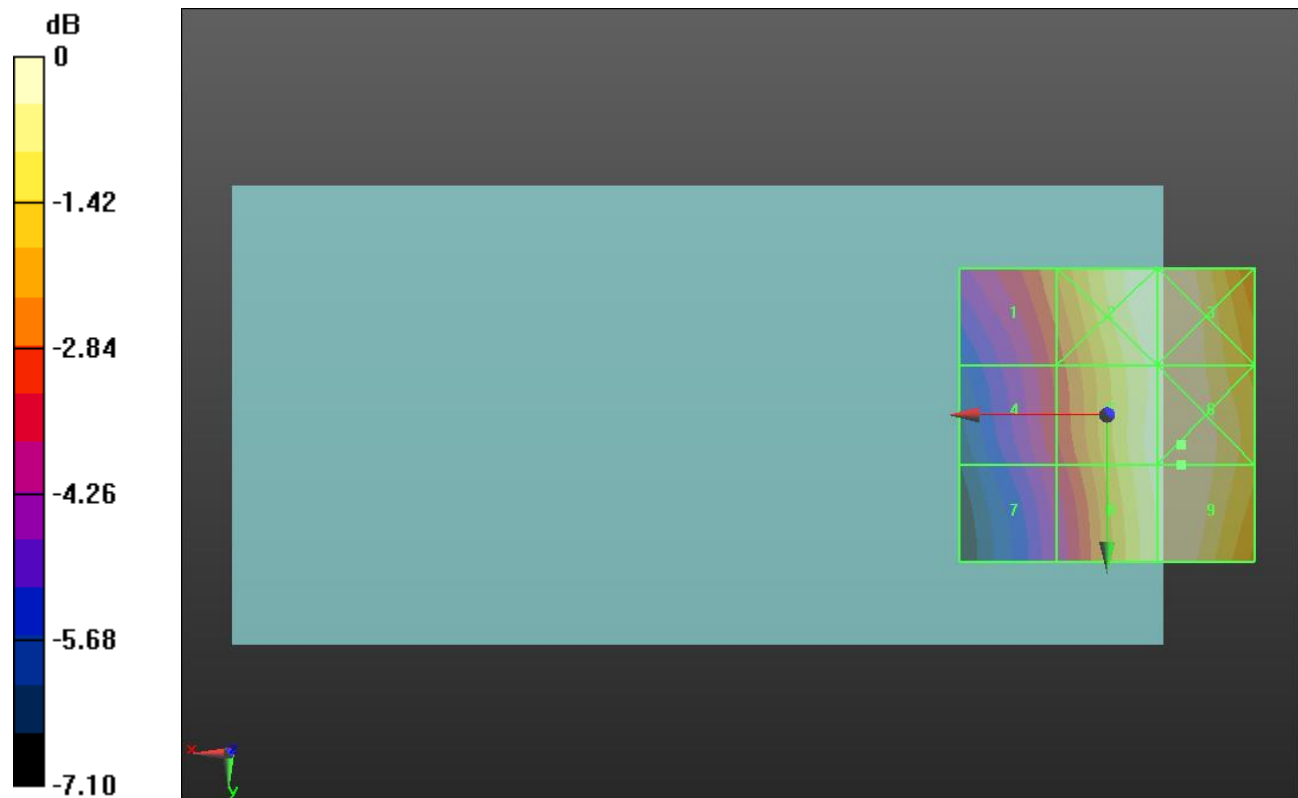
Applied MIF = 3.26 dB

RF audio interference level = 37.82 dBV/m

Emission category: **M4**

MIF scaled E-field

Grid 1 M4 35.53 dBV/m	Grid 2 M4 37.84 dBV/m	Grid 3 M4 37.85 dBV/m
Grid 4 M4 34.78 dBV/m	Grid 5 M4 37.67 dBV/m	Grid 6 M4 37.87 dBV/m
Grid 7 M4 34.27 dBV/m	Grid 8 M4 37.6 dBV/m	Grid 9 M4 37.82 dBV/m



0 dB = 78.21 V/m = 37.87 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 - SN2540; ConvF(1, 1, 1); Calibrated: 8/10/2015;
- 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 = 55.31 V/m; Power Drift = -0.01 dB

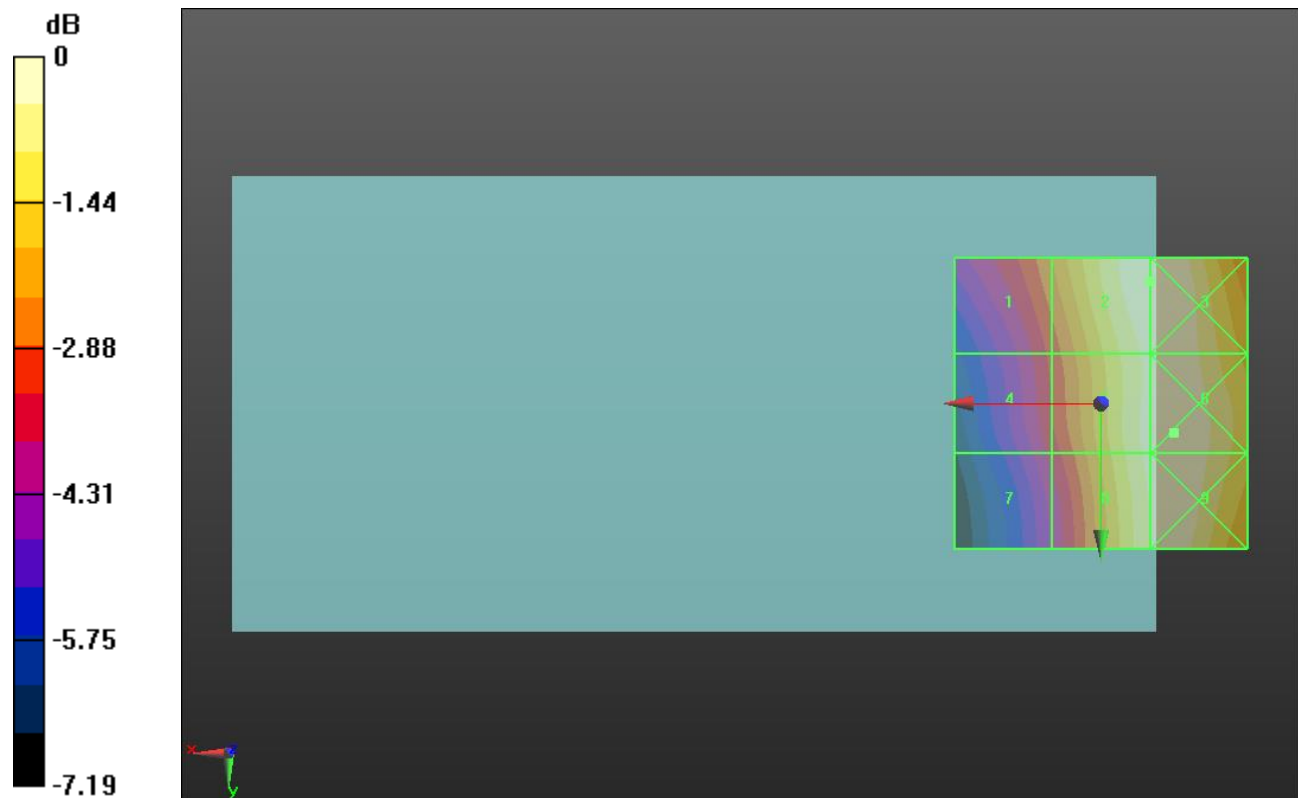
Applied MIF = 3.26 dB

RF audio interference level = 38.07 dBV/m

Emission category: **M4**

MIF scaled E-field

Grid 1 M4 35.71 dBV/m	Grid 2 M4 38.07 dBV/m	Grid 3 M4 38.09 dBV/m
Grid 4 M4 34.95 dBV/m	Grid 5 M4 37.91 dBV/m	Grid 6 M4 38.13 dBV/m
Grid 7 M4 34.47 dBV/m	Grid 8 M4 37.84 dBV/m	Grid 9 M4 38.08 dBV/m



0 dB = 80.61 V/m = 38.13 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 - SN2540; ConvF(1, 1, 1); Calibrated: 8/10/2015;
- 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 = 55.56 V/m; Power Drift = 0.01 dB

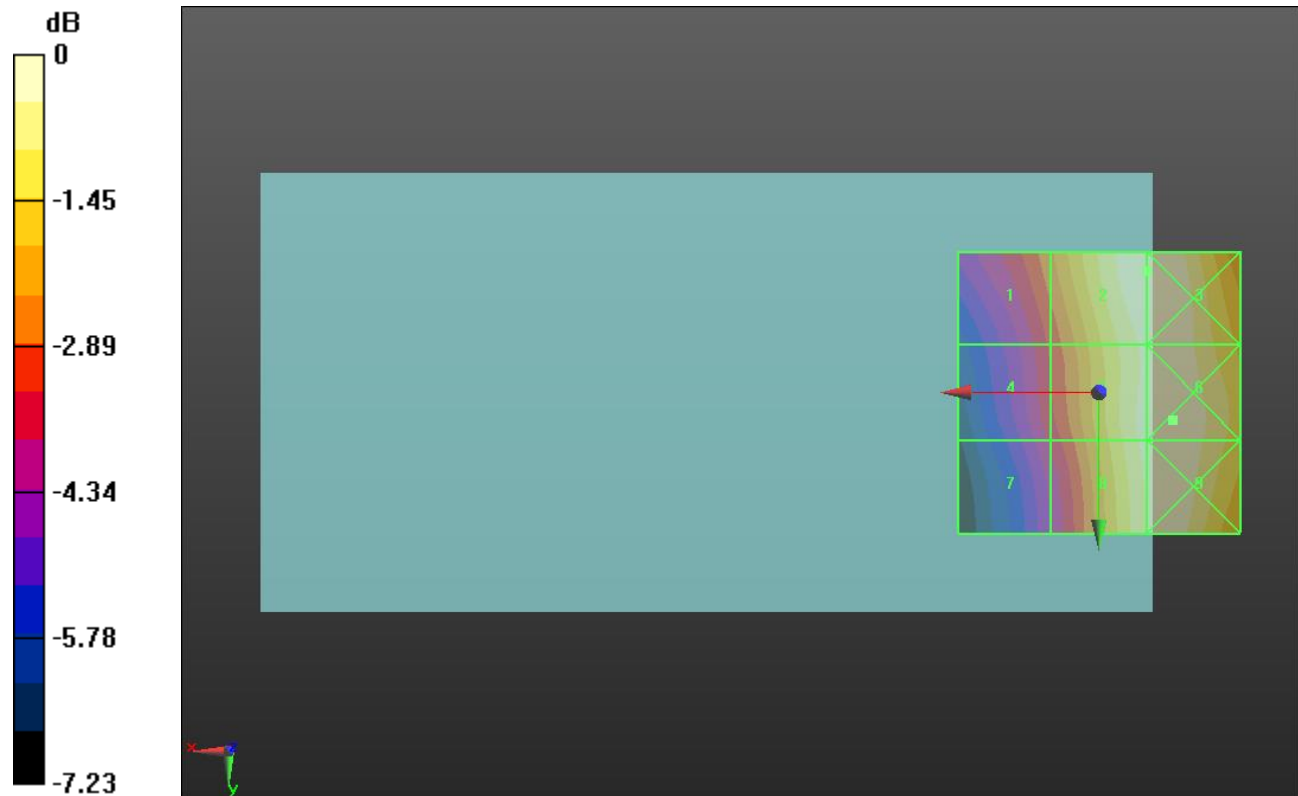
Applied MIF = 3.26 dB

RF audio interference level = 38.13 dBV/m

Emission category: **M4**

MIF scaled E-field

Grid 1 M4 35.72 dBV/m	Grid 2 M4 38.13 dBV/m	Grid 3 M4 38.15 dBV/m
Grid 4 M4 34.96 dBV/m	Grid 5 M4 37.96 dBV/m	Grid 6 M4 38.19 dBV/m
Grid 7 M4 34.47 dBV/m	Grid 8 M4 37.9 dBV/m	Grid 9 M4 38.15 dBV/m



0 dB = 81.21 V/m = 38.19 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 = 15.97 V/m; Power Drift = 0.02 dB

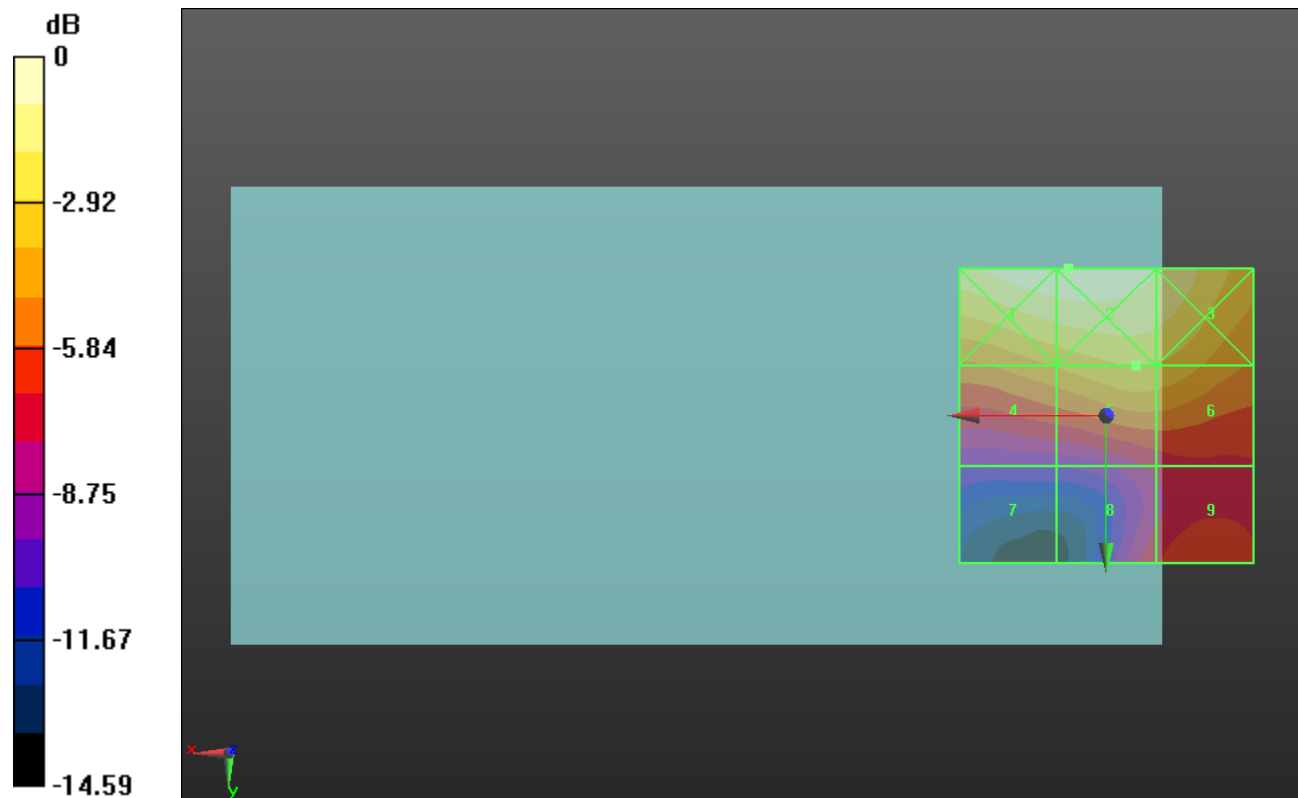
Applied MIF = -1.44 dB

RF audio interference level = 23.86 dBV/m

Emission category: **M4**

MIF scaled E-field

Grid 1 M4 26.67 dBV/m	Grid 2 M4 26.7 dBV/m	Grid 3 M4 25.79 dBV/m
Grid 4 M4 22.9 dBV/m	Grid 5 M4 23.86 dBV/m	Grid 6 M4 23.73 dBV/m
Grid 7 M4 17.23 dBV/m	Grid 8 M4 19.86 dBV/m	Grid 9 M4 20.63 dBV/m



0 dB = 21.64 V/m = 26.71 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 = 13.60 V/m; Power Drift = -0.09 dB

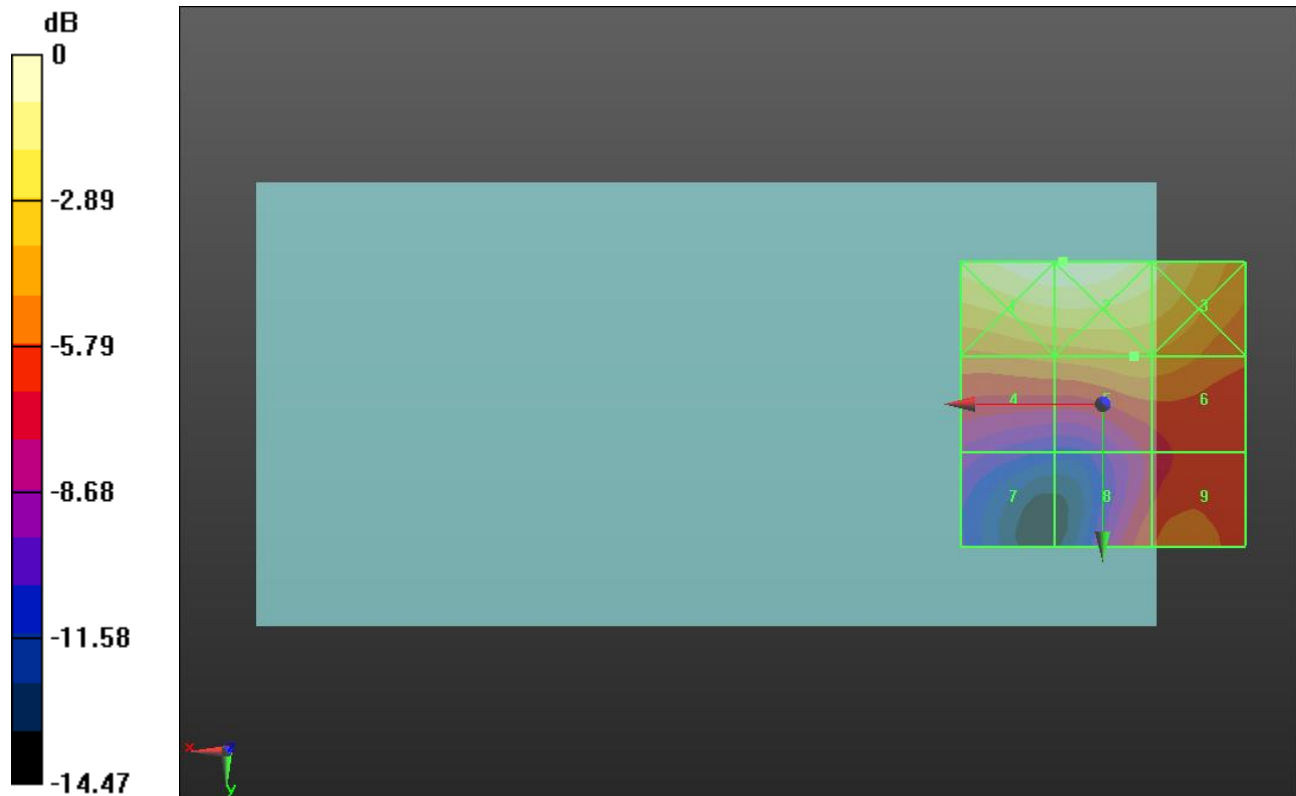
Applied MIF = -1.44 dB

RF audio interference level = 22.81 dBV/m

Emission category: **M4**

MIF scaled E-field

Grid 1 M4 26.72 dBV/m	Grid 2 M4 26.75 dBV/m	Grid 3 M4 25.36 dBV/m
Grid 4 M4 22.31 dBV/m	Grid 5 M4 22.81 dBV/m	Grid 6 M4 22.75 dBV/m
Grid 7 M4 17.88 dBV/m	Grid 8 M4 20.93 dBV/m	Grid 9 M4 21.51 dBV/m



0 dB = 21.76 V/m = 26.75 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 = 15.18 V/m; Power Drift = -0.02 dB

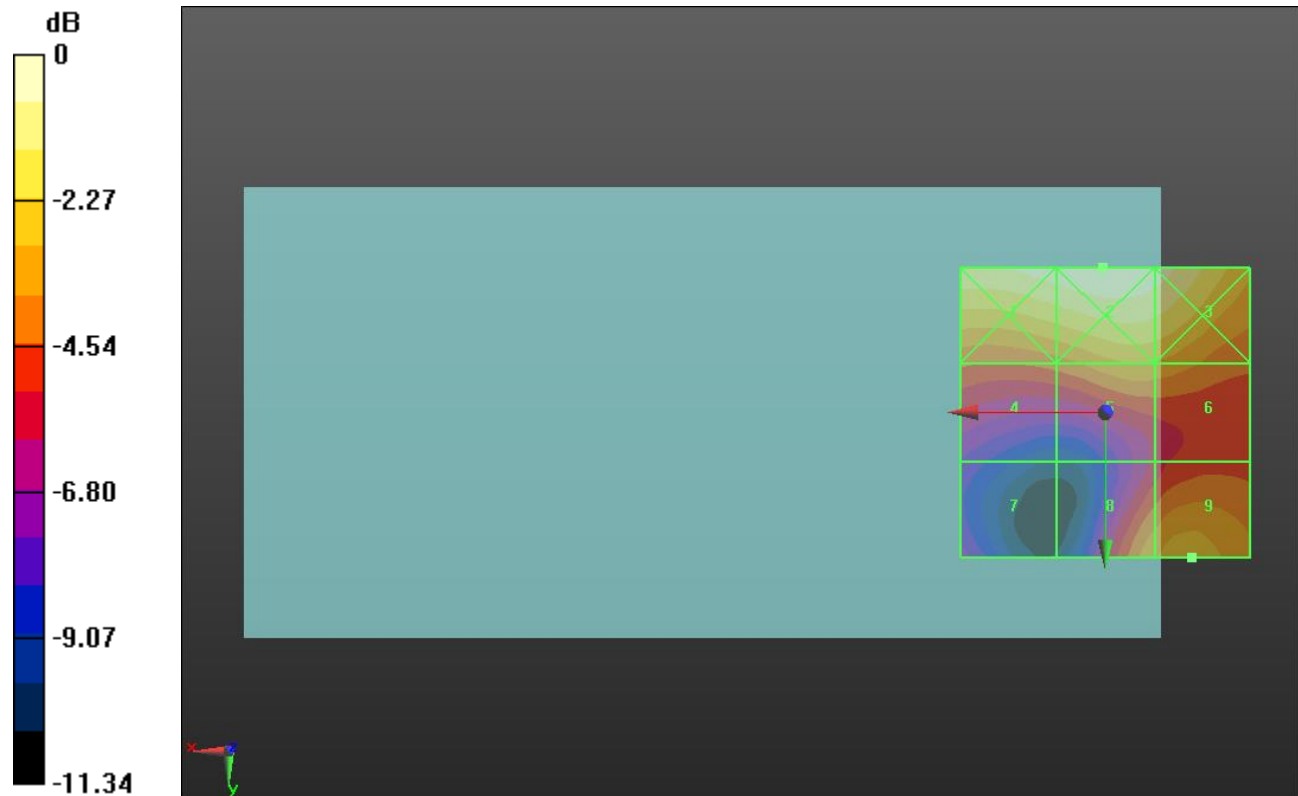
Applied MIF = -1.44 dB

RF audio interference level = 23.58 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 25.83 dBV/m	Grid 2 M4 26.11 dBV/m	Grid 3 M4 25.76 dBV/m
Grid 4 M4 21.96 dBV/m	Grid 5 M4 23.11 dBV/m	Grid 6 M4 23.02 dBV/m
Grid 7 M4 19.09 dBV/m	Grid 8 M4 22.98 dBV/m	Grid 9 M4 23.58 dBV/m



0 dB = 20.20 V/m = 26.11 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 = 12.25 V/m; Power Drift = 0.02 dB

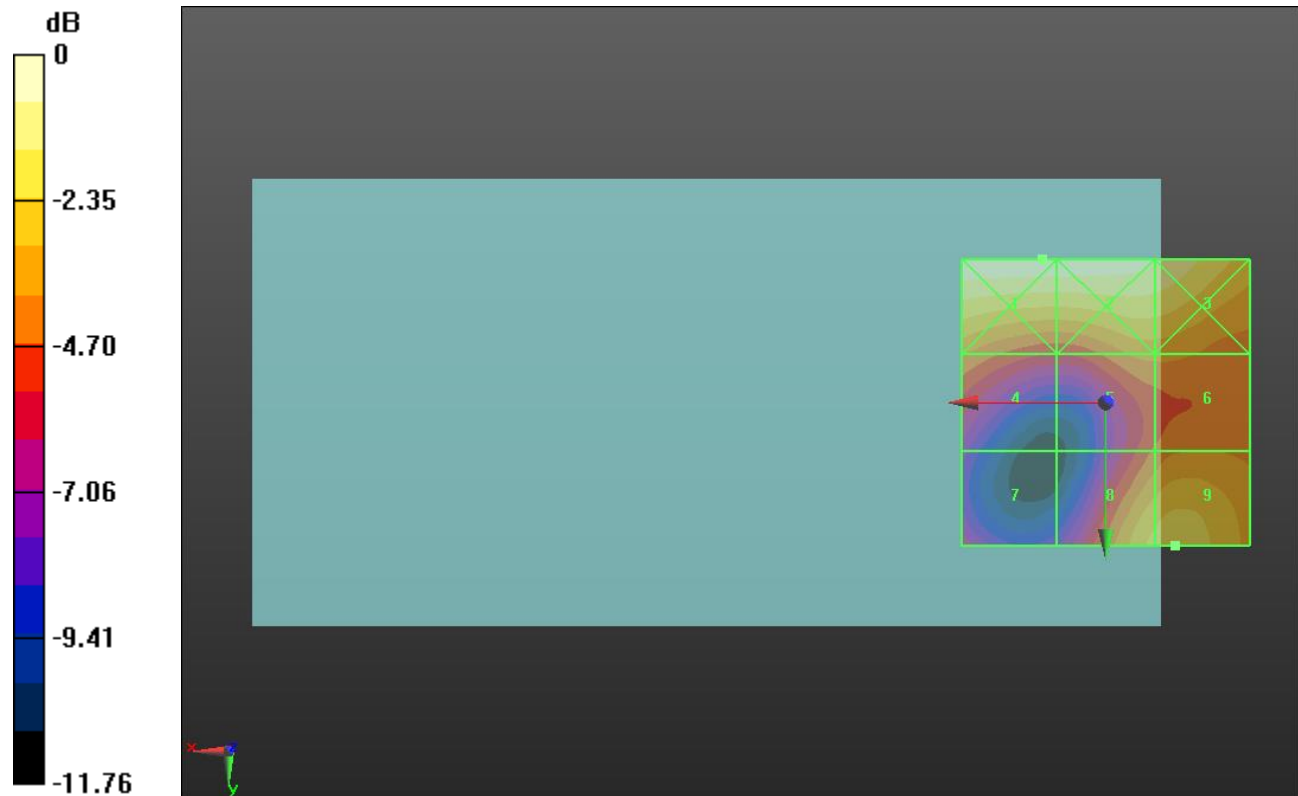
Applied MIF = -1.44 dB

RF audio interference level = 23.03 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 24.82 dBV/m	Grid 2 M4 24.81 dBV/m	Grid 3 M4 24.2 dBV/m
Grid 4 M4 21.06 dBV/m	Grid 5 M4 21.2 dBV/m	Grid 6 M4 21.2 dBV/m
Grid 7 M4 18.59 dBV/m	Grid 8 M4 22.74 dBV/m	Grid 9 M4 23.03 dBV/m



0 dB = 17.43 V/m = 24.83 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 = 11.78 V/m; Power Drift = -0.13 dB

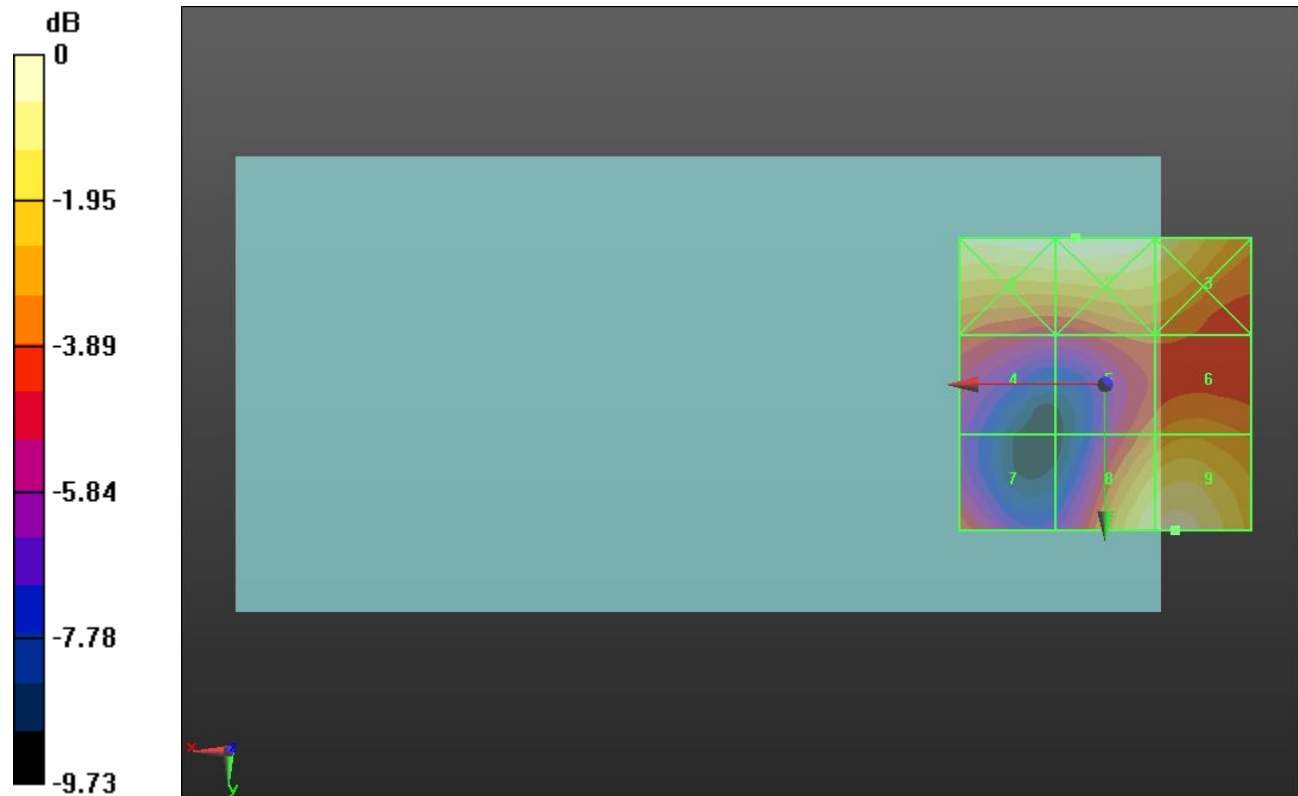
Applied MIF = -1.44 dB

RF audio interference level = 23.31 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 23.65 dBV/m	Grid 2 M4 23.69 dBV/m	Grid 3 M4 23.04 dBV/m
Grid 4 M4 19.86 dBV/m	Grid 5 M4 20.43 dBV/m	Grid 6 M4 21 dBV/m
Grid 7 M4 19.98 dBV/m	Grid 8 M4 23.04 dBV/m	Grid 9 M4 23.31 dBV/m



0 dB = 15.30 V/m = 23.69 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 = 9.660 V/m; Power Drift = 0.04 dB

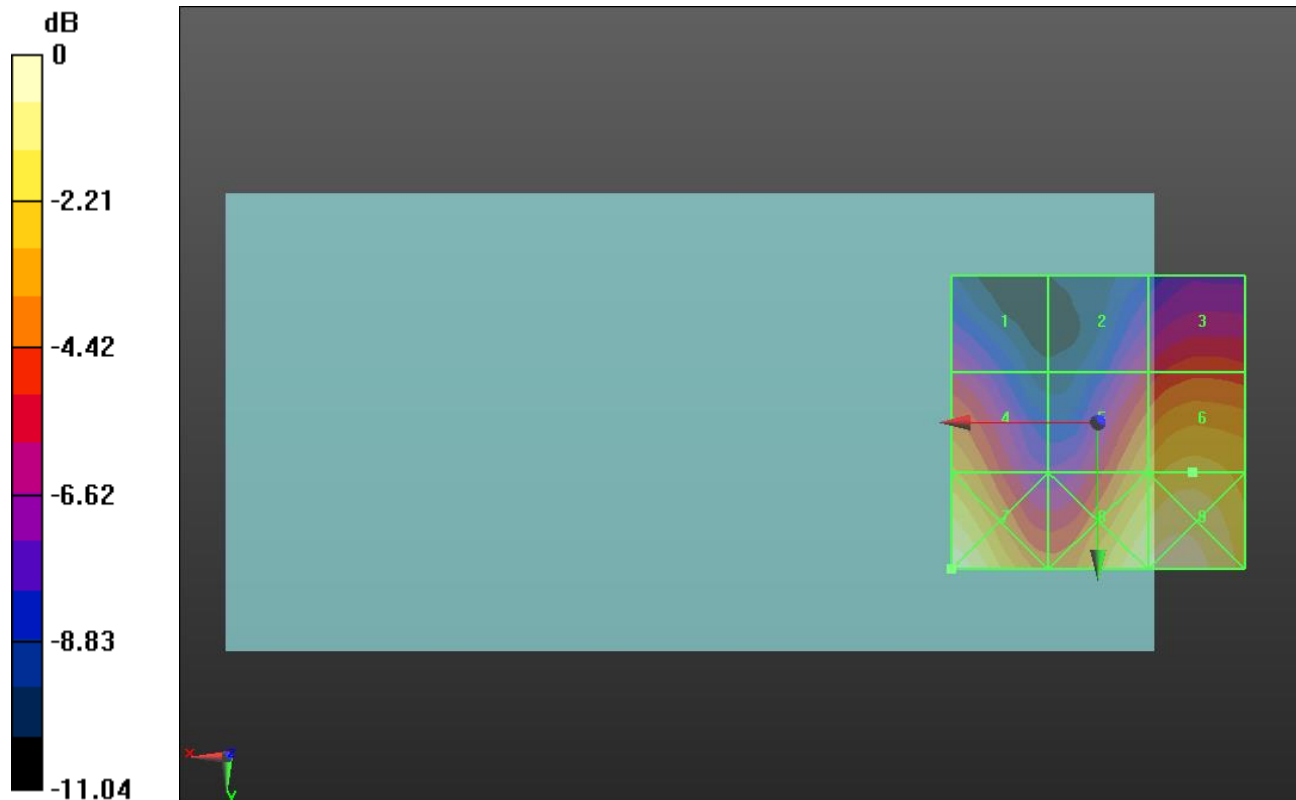
Applied MIF = -2.02 dB

RF audio interference level = 21.38 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 17.25 dBV/m	Grid 2 M4 17.55 dBV/m	Grid 3 M4 18.63 dBV/m
Grid 4 M4 20.5 dBV/m	Grid 5 M4 20.53 dBV/m	Grid 6 M4 21.38 dBV/m
Grid 7 M4 23.2 dBV/m	Grid 8 M4 22.59 dBV/m	Grid 9 M4 22.91 dBV/m



0 dB = 14.45 V/m = 23.20 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 = 9.245 V/m; Power Drift = 0.14 dB

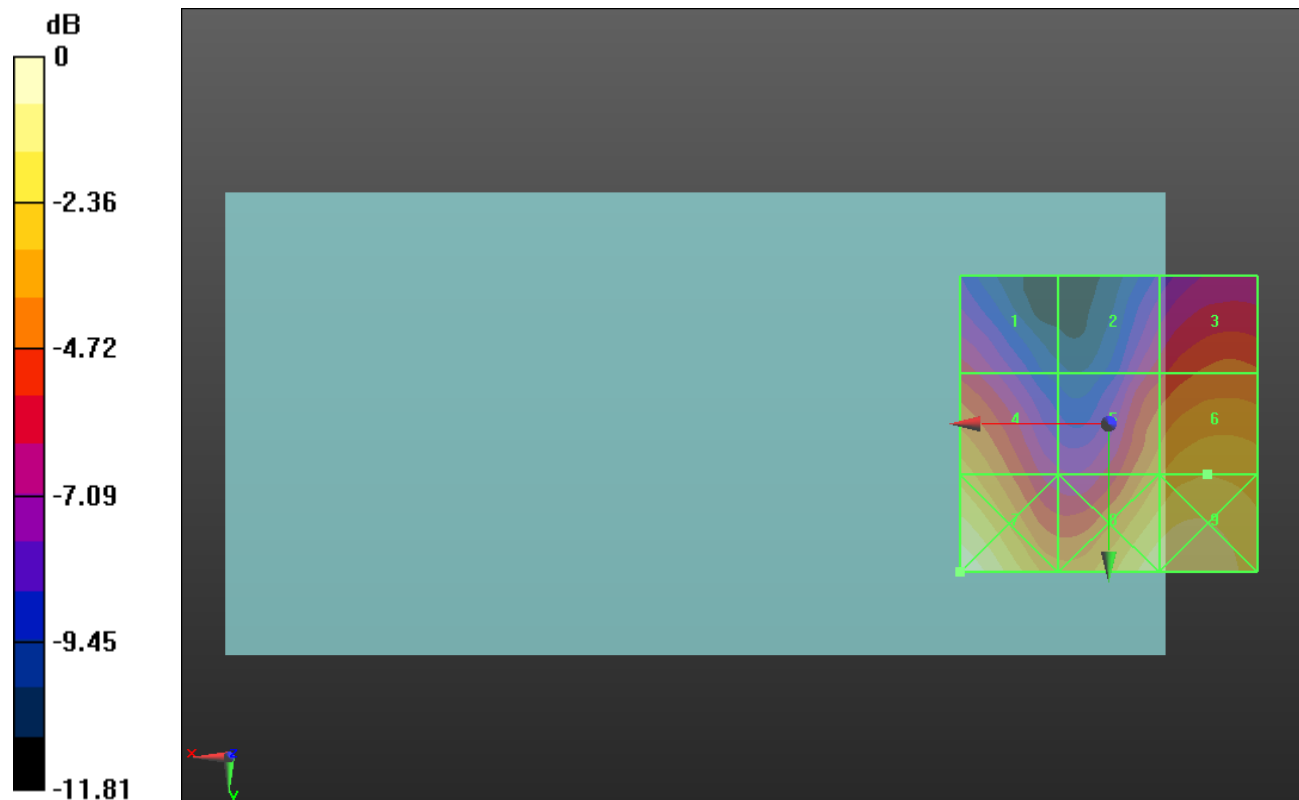
Applied MIF = -2.02 dB

RF audio interference level = 21.28 dBV/m

Emission category: **M4**

MIF scaled E-field

Grid 1 M4 17.96 dBV/m	Grid 2 M4 17.92 dBV/m	Grid 3 M4 19.31 dBV/m
Grid 4 M4 21 dBV/m	Grid 5 M4 20.43 dBV/m	Grid 6 M4 21.28 dBV/m
Grid 7 M4 23.66 dBV/m	Grid 8 M4 22.67 dBV/m	Grid 9 M4 22.88 dBV/m



0 dB = 15.25 V/m = 23.67 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 = 10.62 V/m; Power Drift = -1.07 dB

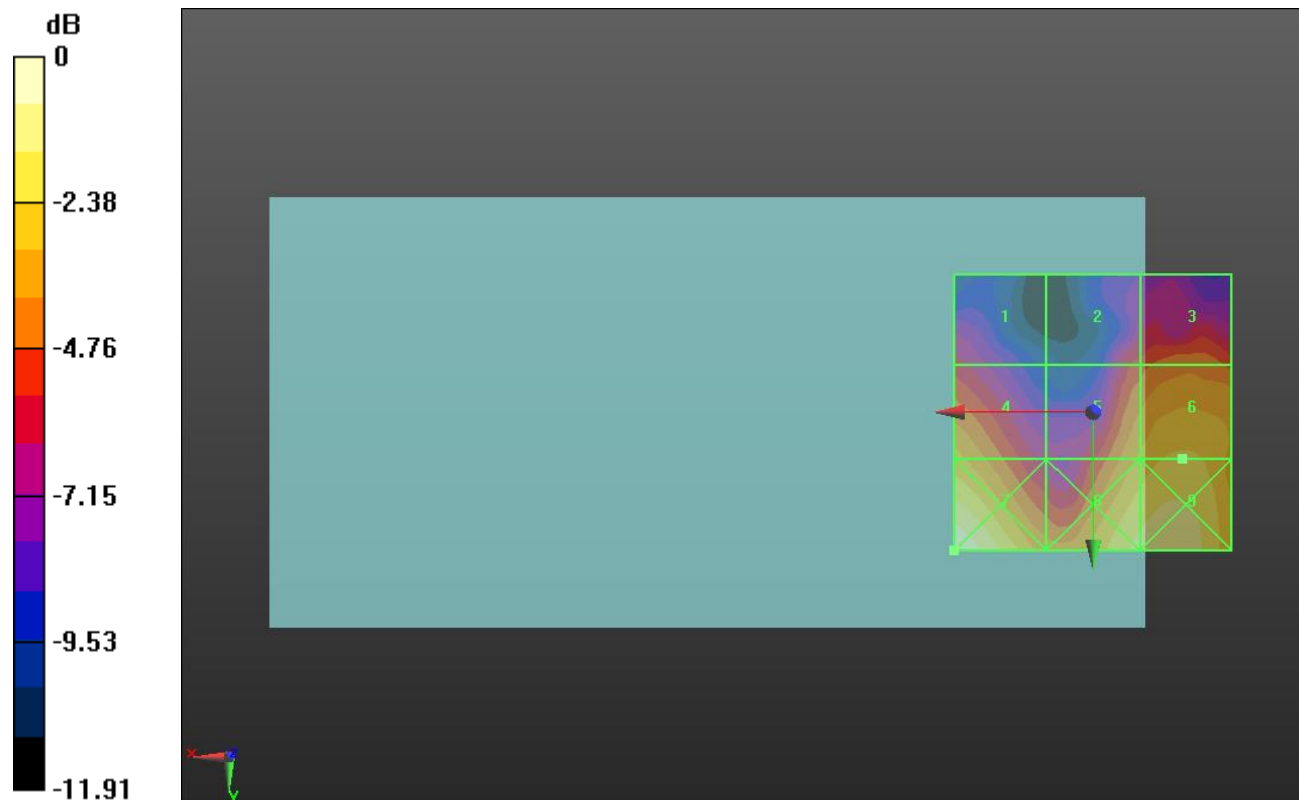
Applied MIF = -2.02 dB

RF audio interference level = 21.74 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 18.06 dBV/m	Grid 2 M4 18.83 dBV/m	Grid 3 M4 19.78 dBV/m
Grid 4 M4 21.11 dBV/m	Grid 5 M4 20.99 dBV/m	Grid 6 M4 21.74 dBV/m
Grid 7 M4 23.95 dBV/m	Grid 8 M4 22.67 dBV/m	Grid 9 M4 22.91 dBV/m



0 dB = 15.76 V/m = 23.95 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 = 15.21 V/m; Power Drift = -0.07 dB

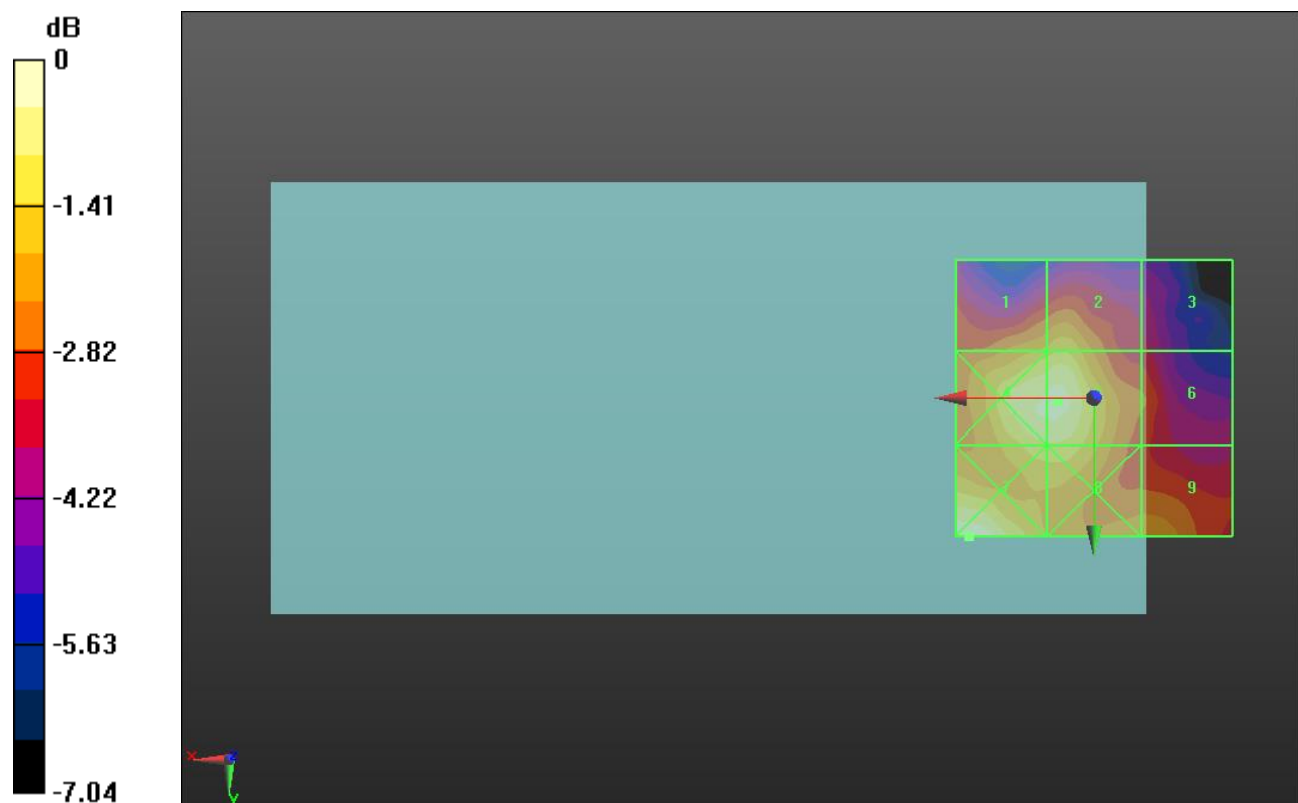
Applied MIF = -3.15 dB

RF audio interference level = 20.12 dBV/m

Emission category: **M4**

MIF scaled E-field

Grid 1 M4 18.73 dBV/m	Grid 2 M4 19 dBV/m	Grid 3 M4 16.88 dBV/m
Grid 4 M4 20.03 dBV/m	Grid 5 M4 20.12 dBV/m	Grid 6 M4 17.71 dBV/m
Grid 7 M4 20.4 dBV/m	Grid 8 M4 19.41 dBV/m	Grid 9 M4 18.55 dBV/m



0 dB = 10.47 V/m = 20.40 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 = 15.09 V/m; Power Drift = -0.09 dB

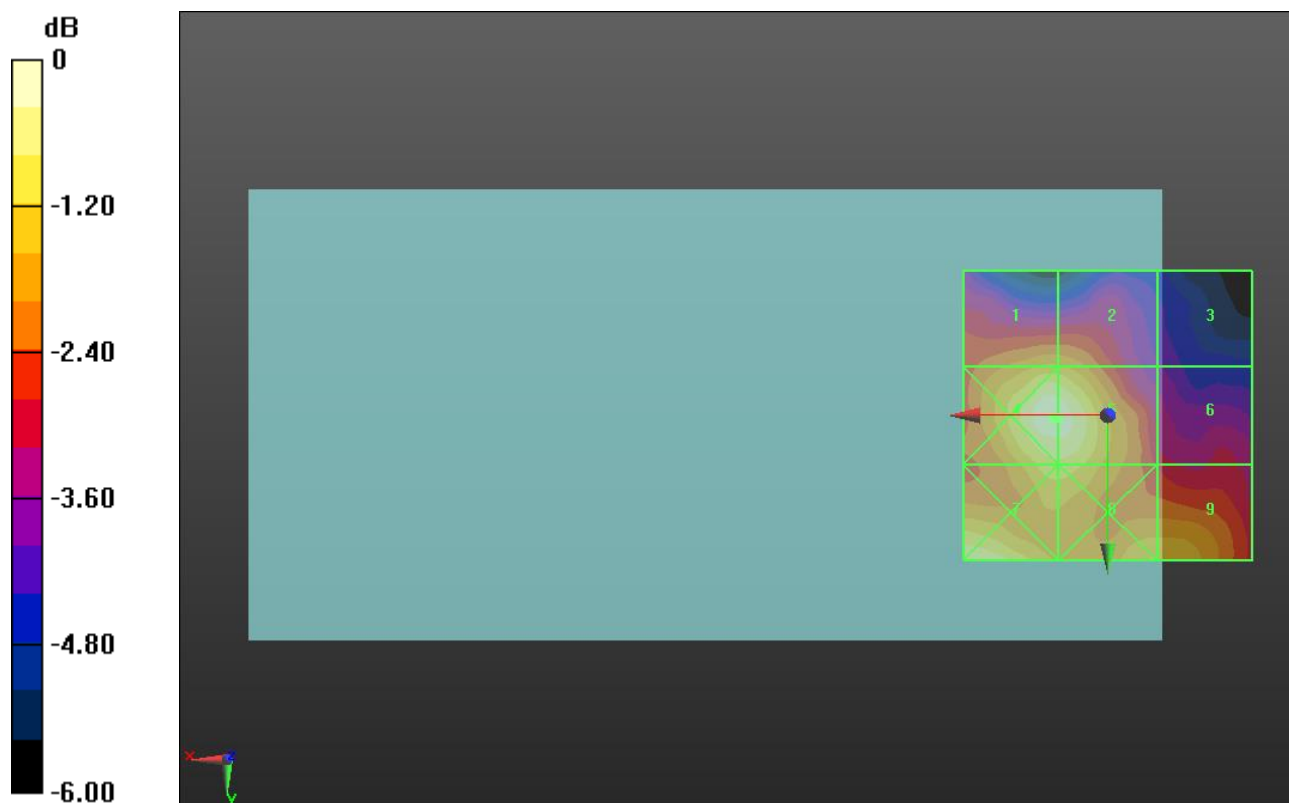
Applied MIF = -3.15 dB

RF audio interference level = 20.45 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 18.99 dBV/m	Grid 2 M4 18.98 dBV/m	Grid 3 M4 16.6 dBV/m
Grid 4 M4 20.51 dBV/m	Grid 5 M4 20.45 dBV/m	Grid 6 M4 17.67 dBV/m
Grid 7 M4 20.14 dBV/m	Grid 8 M4 19.58 dBV/m	Grid 9 M4 19.33 dBV/m



0 dB = 10.60 V/m = 20.51 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 = 15.38 V/m; Power Drift = 0.08 dB

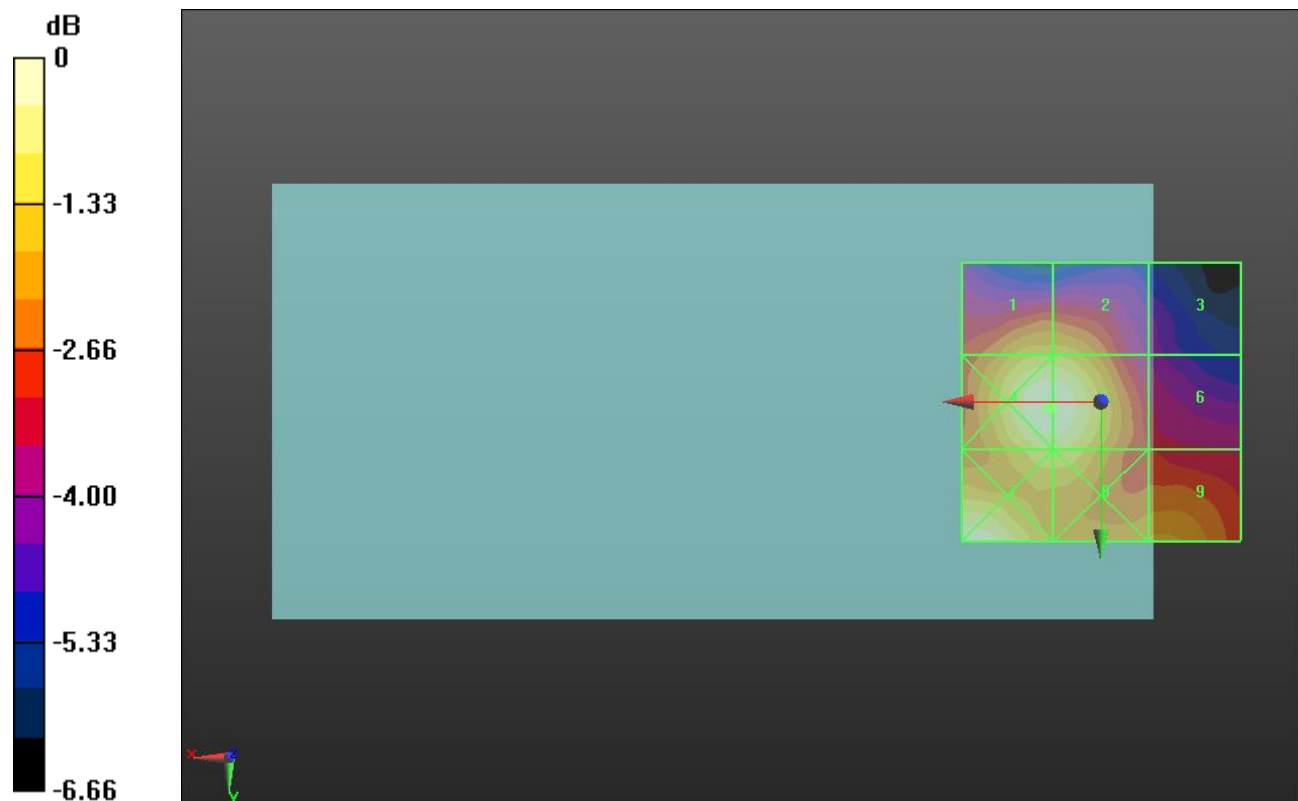
Applied MIF = -3.15 dB

RF audio interference level = 20.58 dBV/m

Emission category: **M4**

MIF scaled E-field

Grid 1 M4 19.23 dBV/m	Grid 2 M4 19.23 dBV/m	Grid 3 M4 16.55 dBV/m
Grid 4 M4 20.6 dBV/m	Grid 5 M4 20.58 dBV/m	Grid 6 M4 17.54 dBV/m
Grid 7 M4 20.51 dBV/m	Grid 8 M4 19.77 dBV/m	Grid 9 M4 18.96 dBV/m



0 dB = 10.71 V/m = 20.60 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 = 15.90 V/m; Power Drift = 0.08 dB

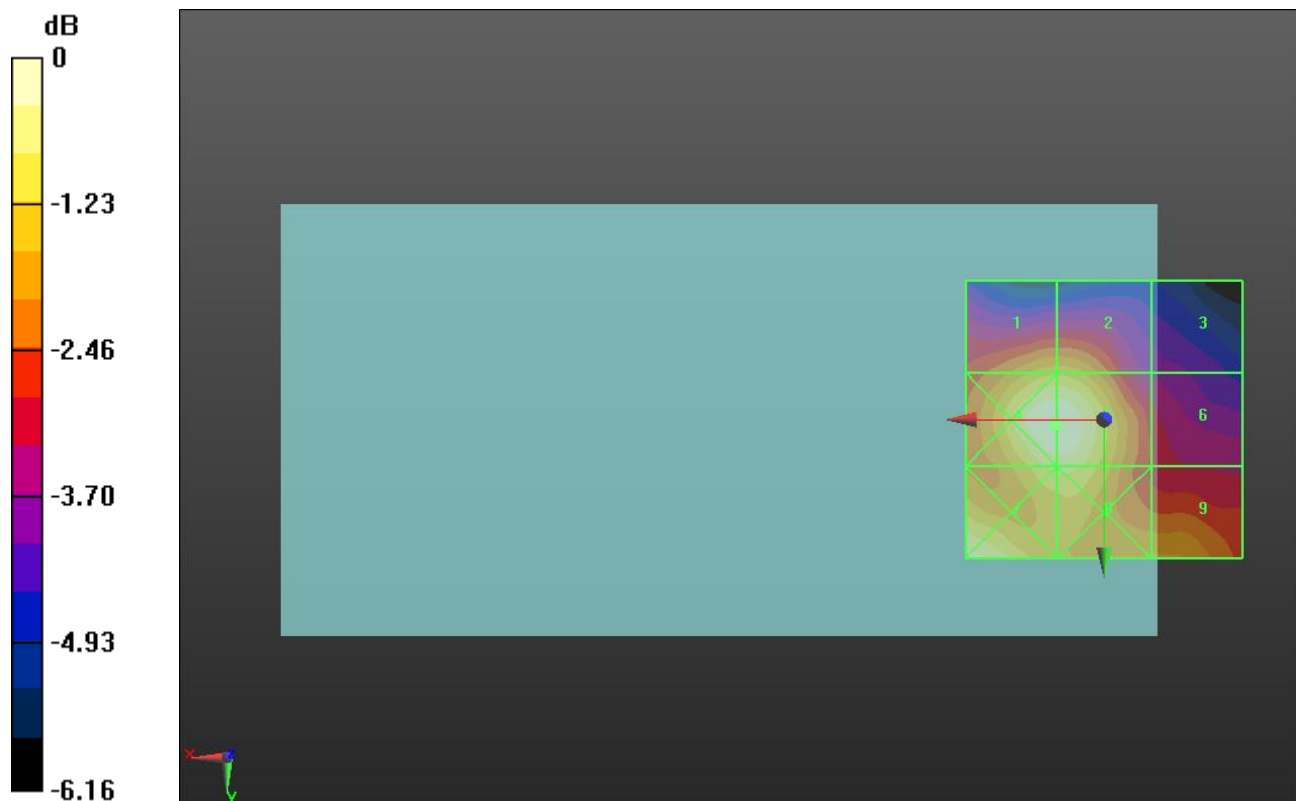
Applied MIF = -3.15 dB

RF audio interference level = 20.75 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 19.41 dBV/m	Grid 2 M4 19.41 dBV/m	Grid 3 M4 17.01 dBV/m
Grid 4 M4 20.76 dBV/m	Grid 5 M4 20.75 dBV/m	Grid 6 M4 17.87 dBV/m
Grid 7 M4 20.55 dBV/m	Grid 8 M4 20.08 dBV/m	Grid 9 M4 19.19 dBV/m



0 dB = 10.91 V/m = 20.76 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 = 16.09 V/m; Power Drift = -0.11 dB

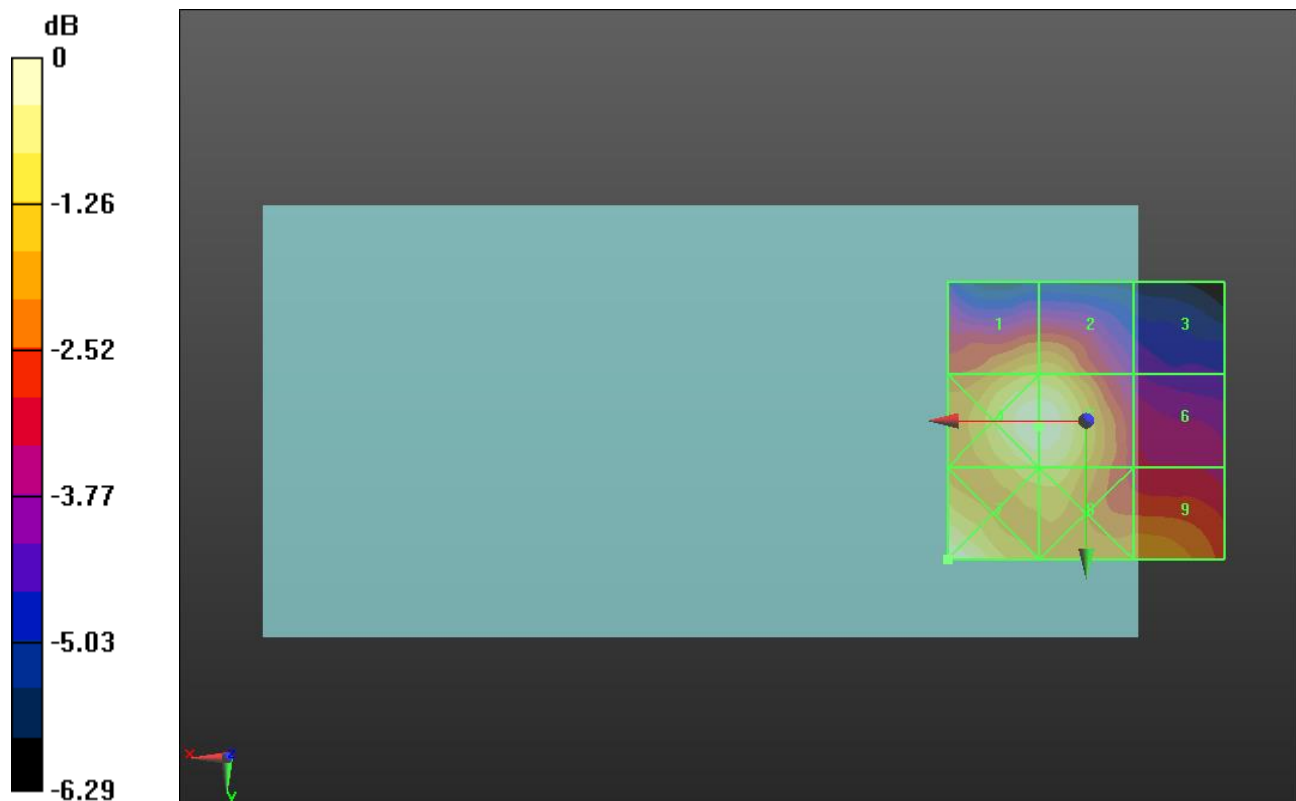
Applied MIF = -3.15 dB

RF audio interference level = 20.75 dBV/m

Emission category: **M4**

MIF scaled E-field

Grid 1 M4 19.59 dBV/m	Grid 2 M4 19.61 dBV/m	Grid 3 M4 16.86 dBV/m
Grid 4 M4 20.75 dBV/m	Grid 5 M4 20.75 dBV/m	Grid 6 M4 17.75 dBV/m
Grid 7 M4 20.85 dBV/m	Grid 8 M4 20 dBV/m	Grid 9 M4 19.16 dBV/m



0 dB = 11.03 V/m = 20.85 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 = 15.60 V/m; Power Drift = -0.07 dB

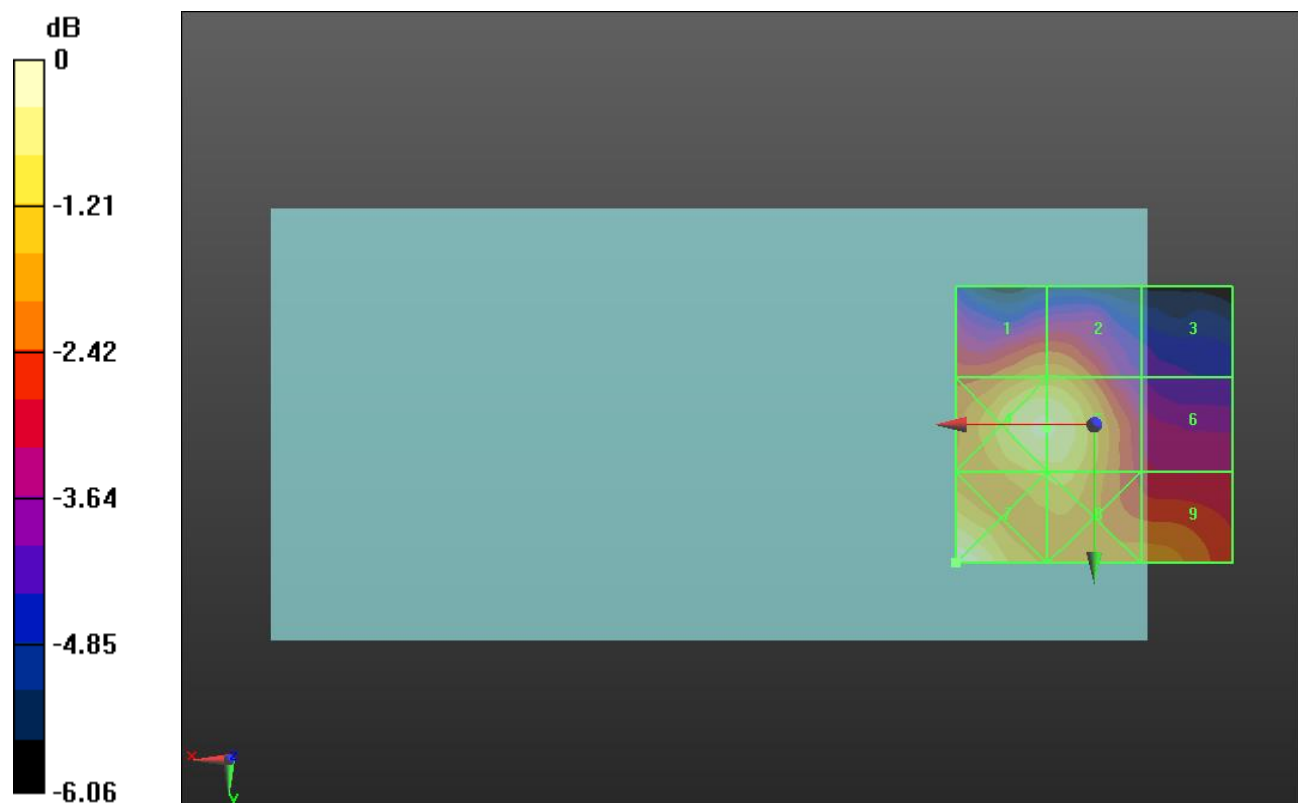
Applied MIF = -3.15 dB

RF audio interference level = 20.55 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 19.39 dBV/m	Grid 2 M4 19.39 dBV/m	Grid 3 M4 16.89 dBV/m
Grid 4 M4 20.56 dBV/m	Grid 5 M4 20.55 dBV/m	Grid 6 M4 17.89 dBV/m
Grid 7 M4 20.88 dBV/m	Grid 8 M4 19.89 dBV/m	Grid 9 M4 19.24 dBV/m



0 dB = 11.07 V/m = 20.88 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 = 9.138 V/m; Power Drift = 0.16 dB

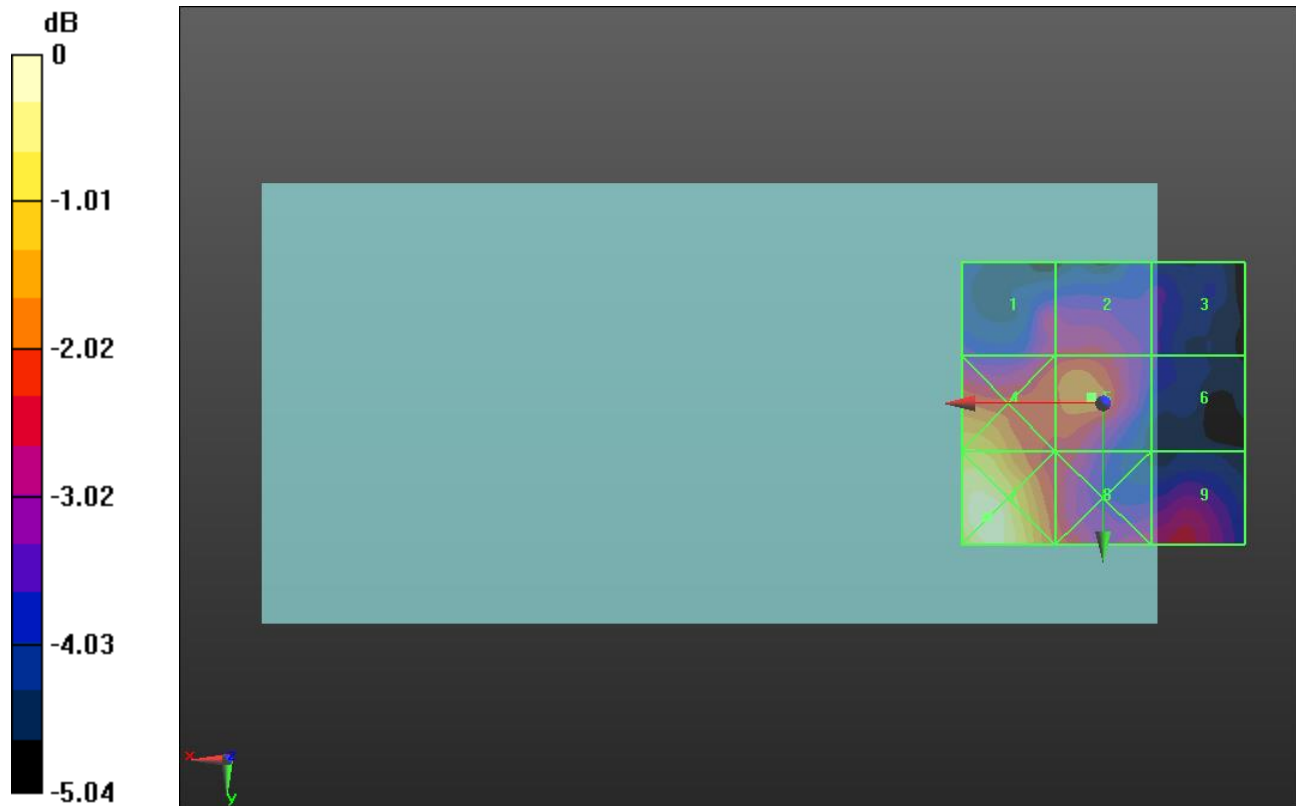
Applied MIF = -3.15 dB

RF audio interference level = 14.62 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 13.73 dBV/m	Grid 2 M4 13.9 dBV/m	Grid 3 M4 12.81 dBV/m
Grid 4 M4 15.4 dBV/m	Grid 5 M4 14.62 dBV/m	Grid 6 M4 12.8 dBV/m
Grid 7 M4 16.36 dBV/m	Grid 8 M4 14.34 dBV/m	Grid 9 M4 13.87 dBV/m



0 dB = 6.574 V/m = 16.36 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 = 9.190 V/m; Power Drift = -0.28 dB

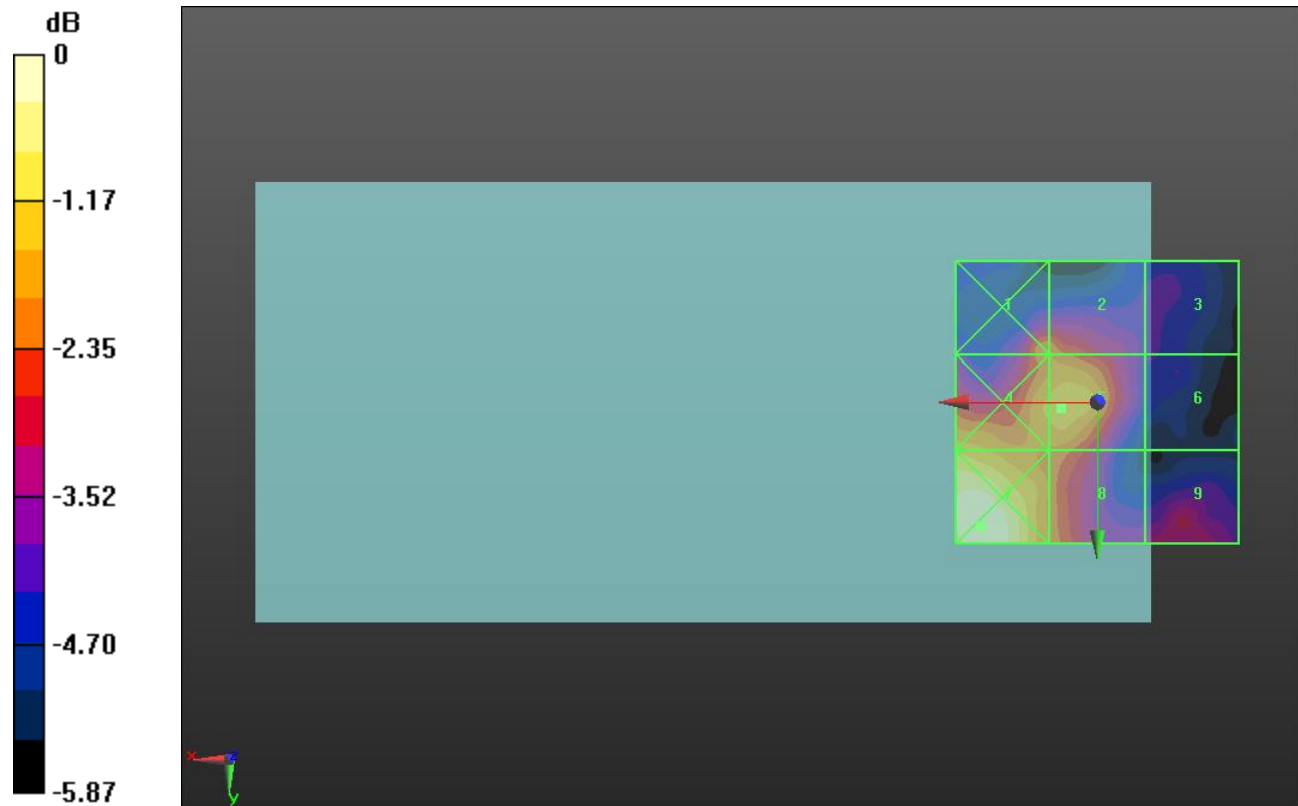
Applied MIF = -3.15 dB

RF audio interference level = 14.16 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 13.64 dBV/m	Grid 2 M4 13.62 dBV/m	Grid 3 M4 11.47 dBV/m
Grid 4 M4 14.27 dBV/m	Grid 5 M4 14.16 dBV/m	Grid 6 M4 11.45 dBV/m
Grid 7 M4 15.53 dBV/m	Grid 8 M4 13.54 dBV/m	Grid 9 M4 12.45 dBV/m



0 dB = 5.975 V/m = 15.53 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 = 9.361 V/m; Power Drift = 0.02 dB

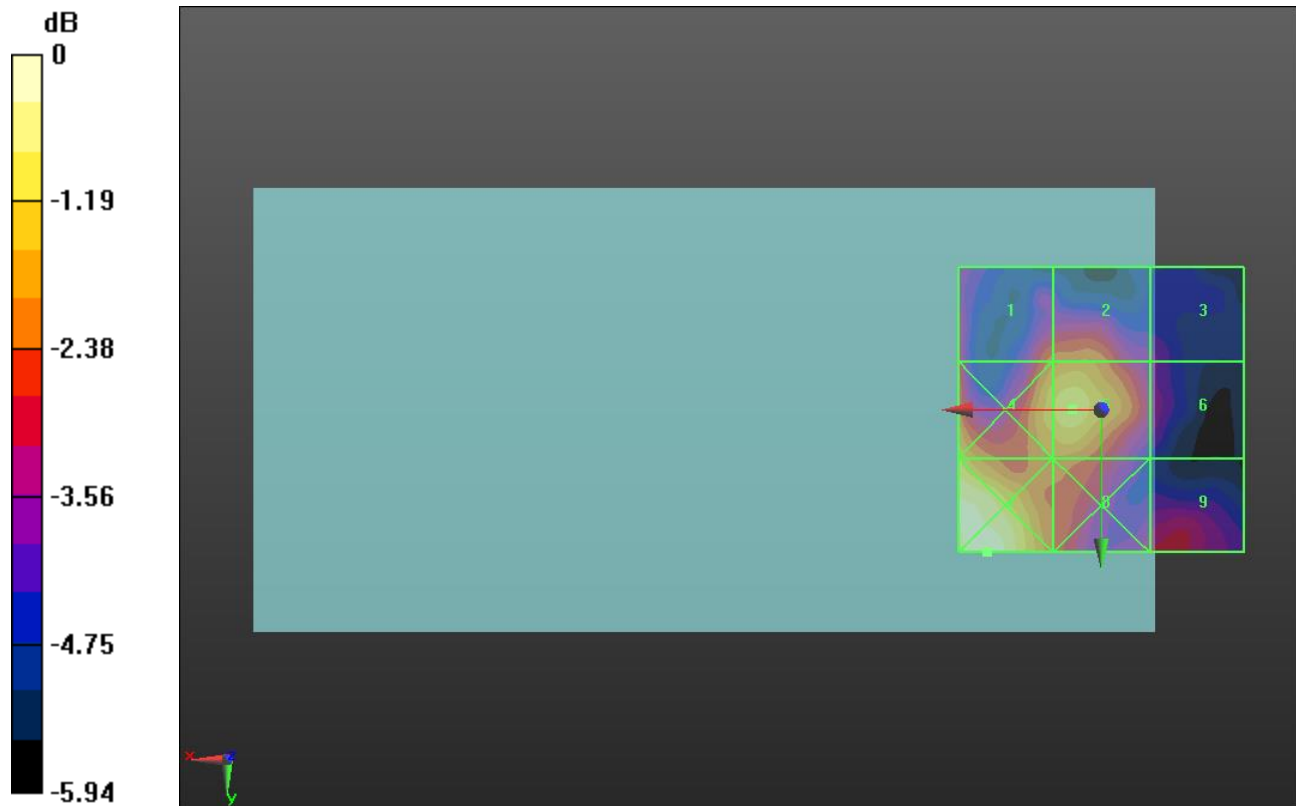
Applied MIF = -3.15 dB

RF audio interference level = 14.76 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 13.53 dBV/m	Grid 2 M4 13.74 dBV/m	Grid 3 M4 11.88 dBV/m
Grid 4 M4 14.52 dBV/m	Grid 5 M4 14.76 dBV/m	Grid 6 M4 12.27 dBV/m
Grid 7 M4 15.65 dBV/m	Grid 8 M4 13.64 dBV/m	Grid 9 M4 12.67 dBV/m



0 dB = 6.059 V/m = 15.65 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 = 9.747 V/m; Power Drift = -0.05 dB

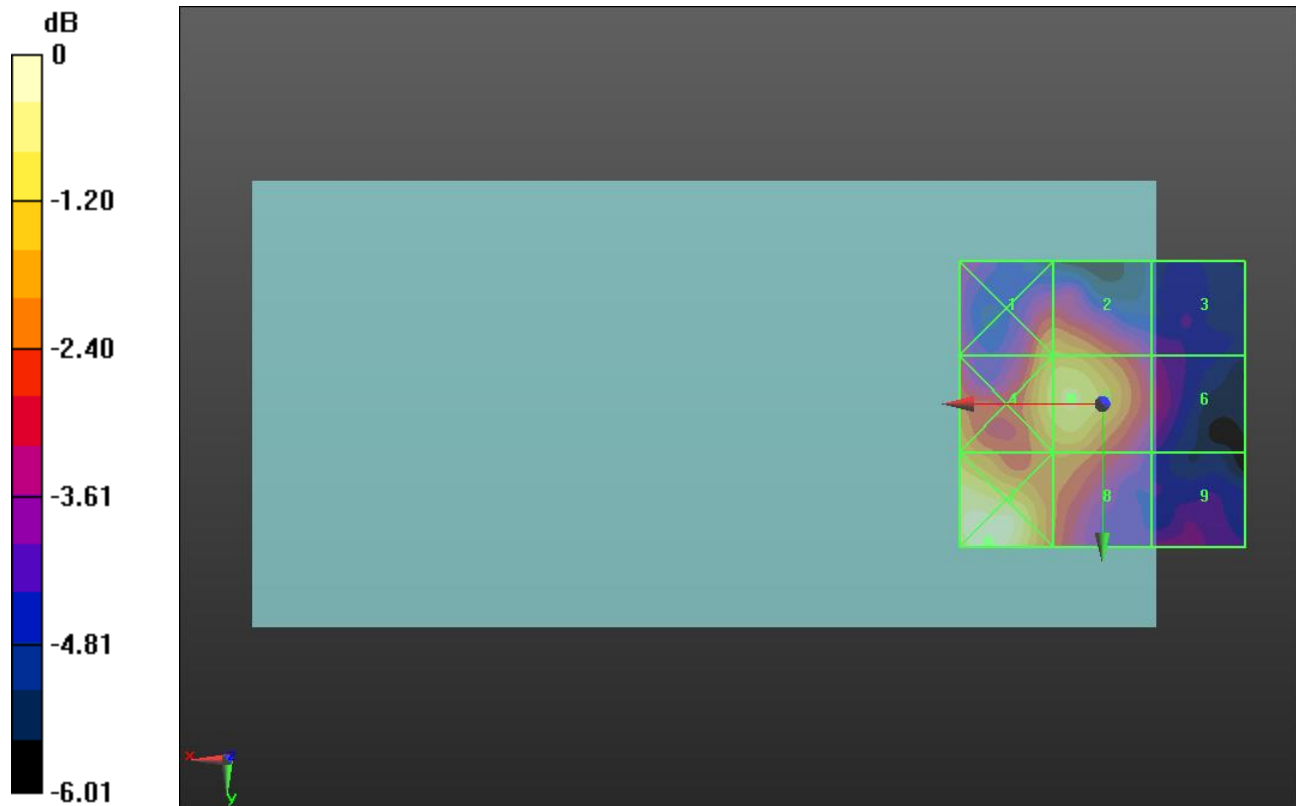
Applied MIF = -3.15 dB

RF audio interference level = 15.18 dBV/m

Emission category: **M4**

MIF scaled E-field

Grid 1 M4 14.45 dBV/m	Grid 2 M4 14.46 dBV/m	Grid 3 M4 12.08 dBV/m
Grid 4 M4 14.96 dBV/m	Grid 5 M4 15.18 dBV/m	Grid 6 M4 12.7 dBV/m
Grid 7 M4 15.93 dBV/m	Grid 8 M4 14.06 dBV/m	Grid 9 M4 12.21 dBV/m



0 dB = 6.258 V/m = 15.93 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 = 9.390 V/m; Power Drift = 0.05 dB

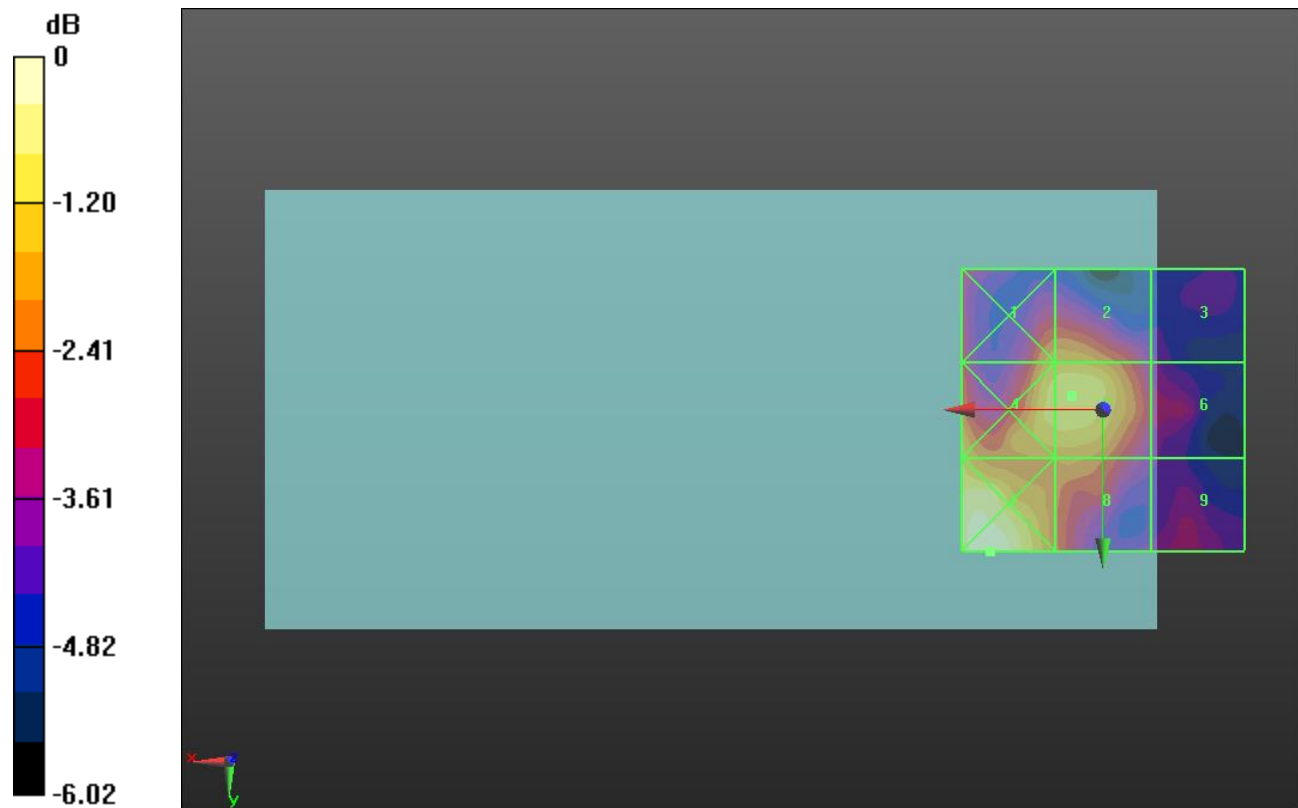
Applied MIF = -3.15 dB

RF audio interference level = 14.86 dBV/m

Emission category: **M4**

MIF scaled E-field

Grid 1 M4 14.05 dBV/m	Grid 2 M4 14.12 dBV/m	Grid 3 M4 11.91 dBV/m
Grid 4 M4 14.77 dBV/m	Grid 5 M4 14.86 dBV/m	Grid 6 M4 12.5 dBV/m
Grid 7 M4 15.66 dBV/m	Grid 8 M4 13.8 dBV/m	Grid 9 M4 12.22 dBV/m



0 dB = 6.068 V/m = 15.66 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 = 9.746 V/m; Power Drift = 0.04 dB

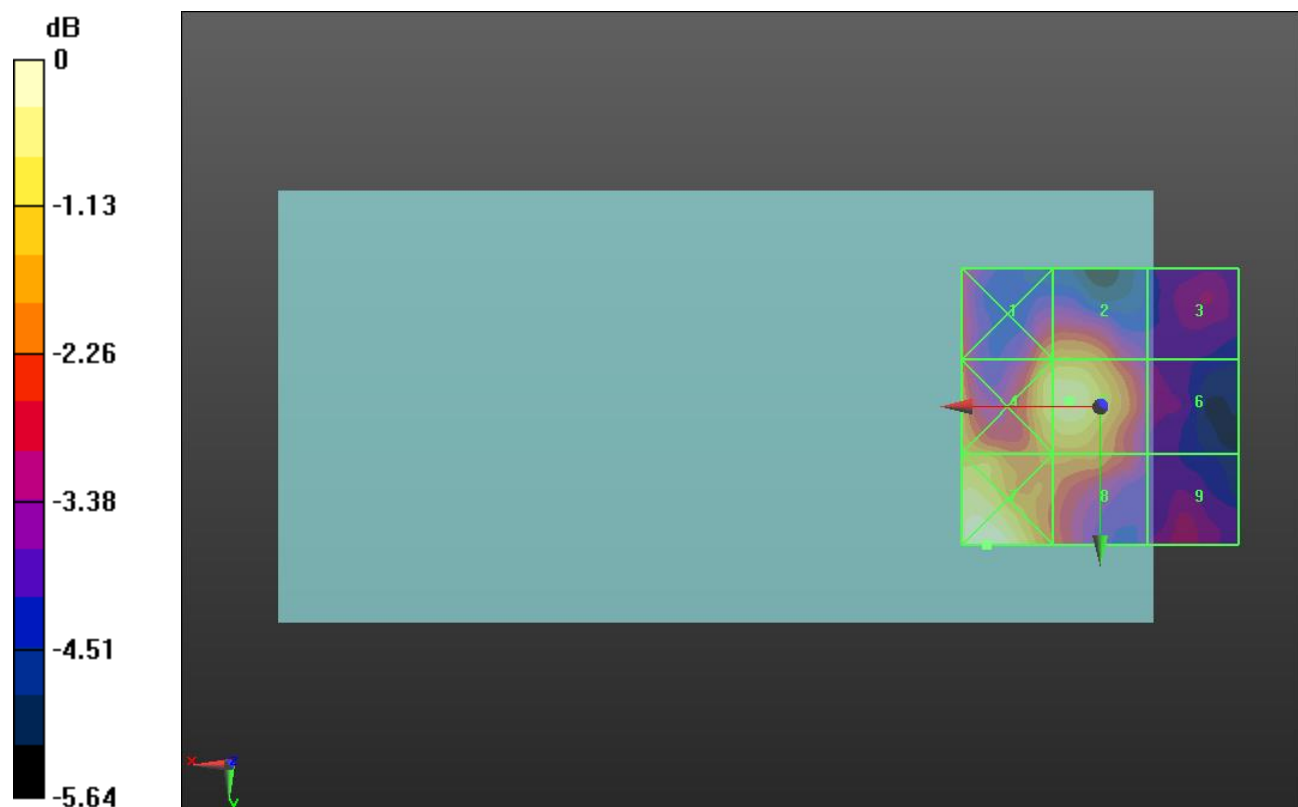
Applied MIF = -3.15 dB

RF audio interference level = 15.19 dBV/m

Emission category: **M4**

MIF scaled E-field

Grid 1 M4 14.08 dBV/m	Grid 2 M4 14.21 dBV/m	Grid 3 M4 12.27 dBV/m
Grid 4 M4 14.96 dBV/m	Grid 5 M4 15.19 dBV/m	Grid 6 M4 12.38 dBV/m
Grid 7 M4 15.6 dBV/m	Grid 8 M4 13.95 dBV/m	Grid 9 M4 12.35 dBV/m



0 dB = 6.023 V/m = 15.60 dBV/m