

HAC-RF Emission UAT

Communication System: UID 10021 - CAA, GSM-FDD (TDMA, GMSK); Frequency: 824.2 MHz; Duty Cycle: 1:8

Phantom section: RF Section

DASY5 Configuration:

- Probe: ER3DV6 - SN2339; ConvF(1, 1, 1); Calibrated: 2/26/2015;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1380; Calibrated: 7/13/2015
- 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 = 70.74 V/m; Power Drift = -0.50 dB

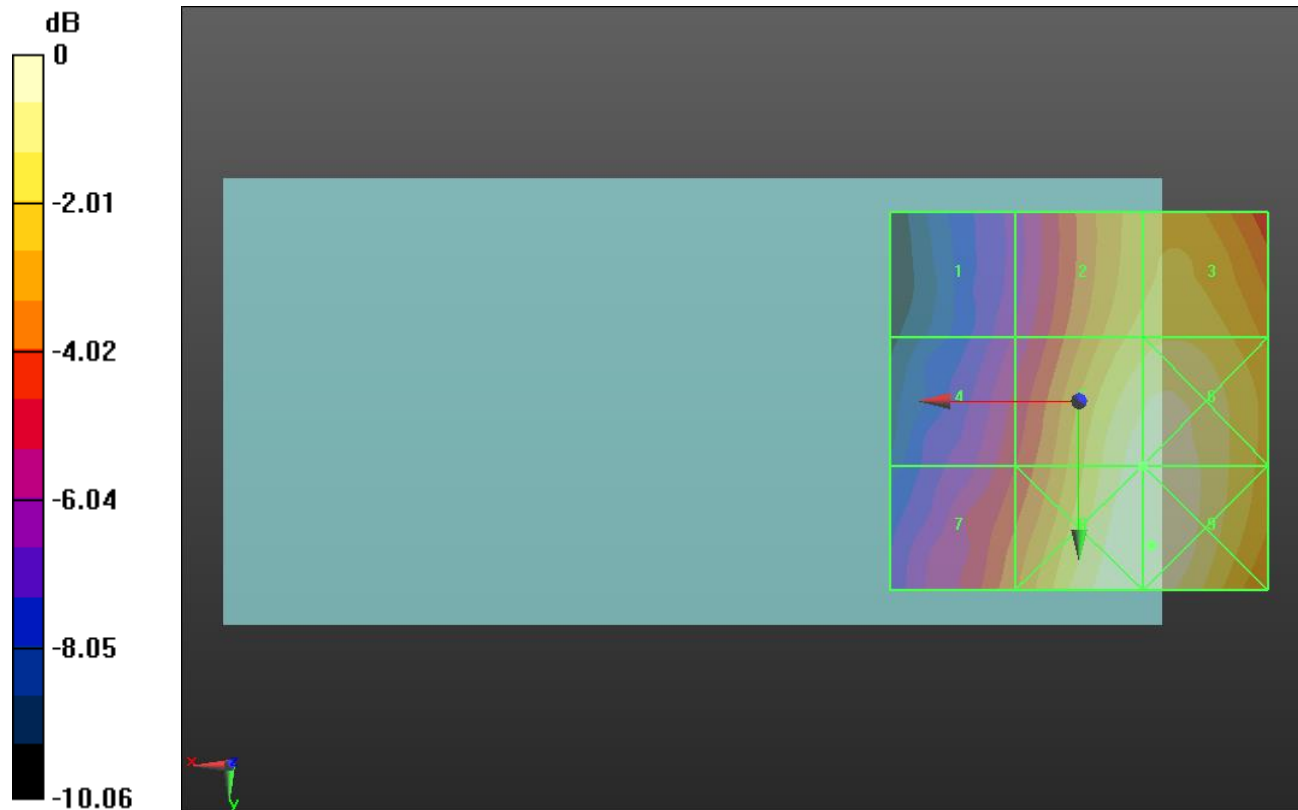
Applied MIF = 3.63 dB

RF audio interference level = 39.80 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 34.19 dBV/m	Grid 2 M4 38.44 dBV/m	Grid 3 M4 38.71 dBV/m
Grid 4 M4 35.39 dBV/m	Grid 5 M4 39.8 dBV/m	Grid 6 M4 39.9 dBV/m
Grid 7 M4 36.66 dBV/m	Grid 8 M3 40.07 dBV/m	Grid 9 M3 40.1 dBV/m



0 dB = 101.1 V/m = 40.10 dBV/m

HAC-RF Emission UAT

Communication System: UID 10021 - CAA, GSM-FDD (TDMA, GMSK); Frequency: 836.6 MHz; Duty Cycle: 1:8

Phantom section: RF Section

DASY5 Configuration:

- Probe: ER3DV6 - SN2339; ConvF(1, 1, 1); Calibrated: 2/26/2015;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1380; Calibrated: 7/13/2015
- 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 = 68.18 V/m; Power Drift = -0.06 dB

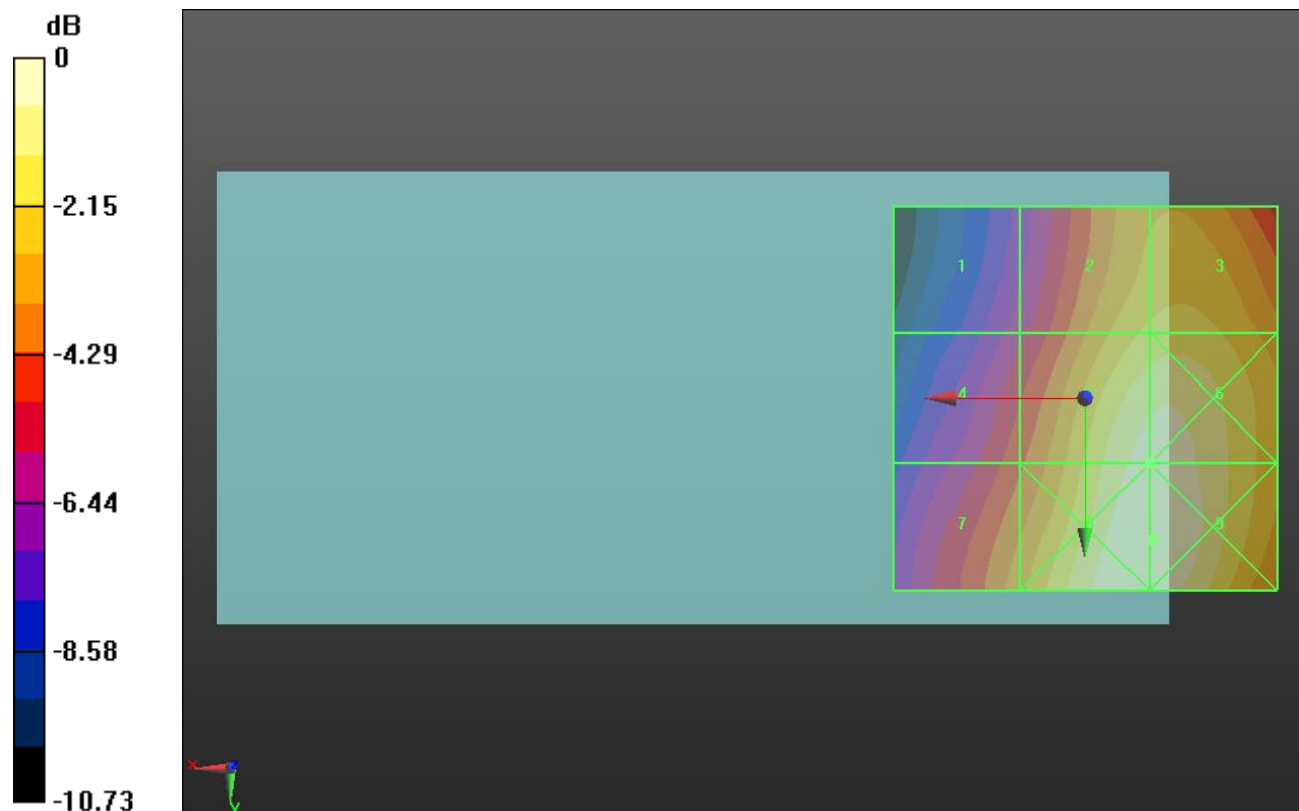
Applied MIF = 3.63 dB

RF audio interference level = 39.80 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 34.25 dBV/m	Grid 2 M4 38.21 dBV/m	Grid 3 M4 38.4 dBV/m
Grid 4 M4 35.75 dBV/m	Grid 5 M4 39.8 dBV/m	Grid 6 M4 39.85 dBV/m
Grid 7 M4 37.09 dBV/m	Grid 8 M3 40.16 dBV/m	Grid 9 M3 40.16 dBV/m



0 dB = 101.9 V/m = 40.16 dBV/m

HAC-RF Emission UAT

Communication System: UID 10021 - CAA, GSM-FDD (TDMA, GMSK); Frequency: 848.6 MHz; Duty Cycle: 1:8

Phantom section: RF Section

DASY5 Configuration:

- Probe: ER3DV6 - SN2339; ConvF(1, 1, 1); Calibrated: 2/26/2015;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1380; Calibrated: 7/13/2015
- 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 = 65.18 V/m; Power Drift = -0.01 dB

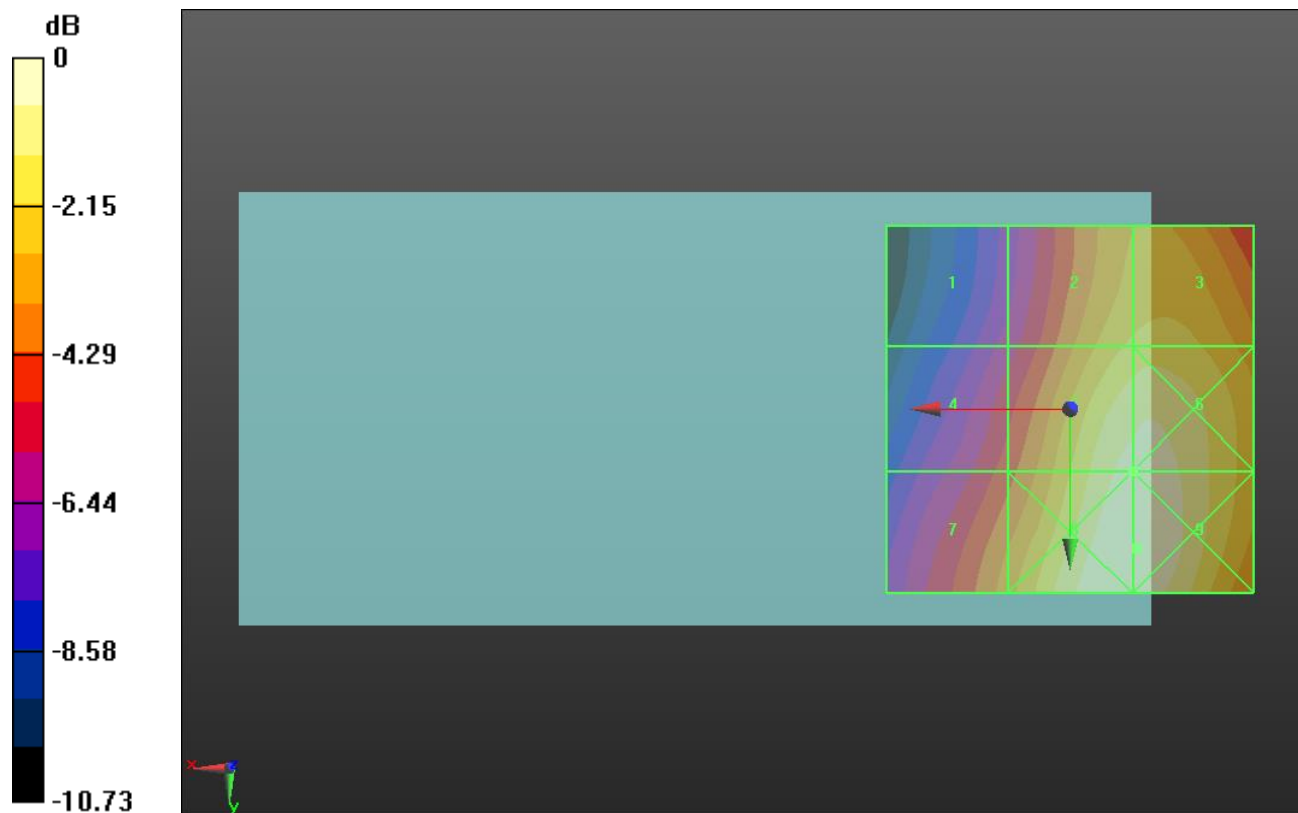
Applied MIF = 3.63 dB

RF audio interference level = 39.49 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 33.87 dBV/m	Grid 2 M4 37.94 dBV/m	Grid 3 M4 38.14 dBV/m
Grid 4 M4 35.34 dBV/m	Grid 5 M4 39.49 dBV/m	Grid 6 M4 39.56 dBV/m
Grid 7 M4 36.76 dBV/m	Grid 8 M4 39.9 dBV/m	Grid 9 M4 39.9 dBV/m



0 dB = 98.91 V/m = 39.90 dBV/m

HAC-RF Emission UAT

Communication System: UID 10021 - CAA, GSM-FDD (TDMA, GMSK); Frequency: 1850.2 MHz; Duty Cycle: 1:8

Phantom section: RF Section

DASY5 Configuration:

- Probe: ER3DV6 - SN2339; ConvF(1, 1, 1); Calibrated: 2/26/2015;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1380; Calibrated: 7/13/2015
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

GSM1900 E-Field measurement/Voice_ch 512/Hearing Aid Compatibility Test

(101x101x1): Interpolated grid: dx=0.5000 mm, dy=0.5000 mm

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 9.630 V/m; Power Drift = 0.03 dB

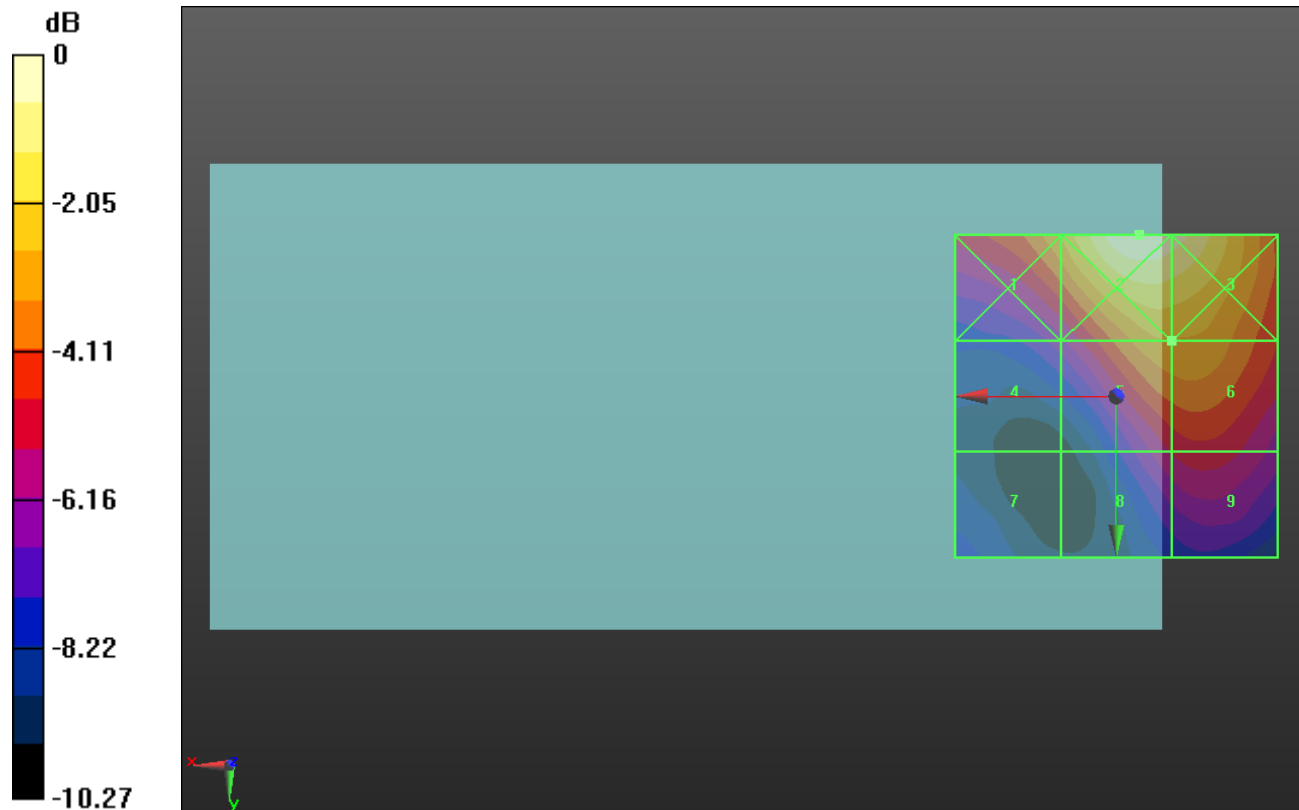
Applied MIF = 3.63 dB

RF audio interference level = 24.00 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 24.15 dBV/m	Grid 2 M4 26.78 dBV/m	Grid 3 M4 26.48 dBV/m
Grid 4 M4 20.45 dBV/m	Grid 5 M4 24 dBV/m	Grid 6 M4 24 dBV/m
Grid 7 M4 18.8 dBV/m	Grid 8 M4 21.37 dBV/m	Grid 9 M4 21.77 dBV/m



0 dB = 21.82 V/m = 26.78 dBV/m

HAC-RF Emission UAT

Communication System: UID 10021 - CAA, GSM-FDD (TDMA, GMSK); Frequency: 1880 MHz; Duty Cycle: 1:8

Phantom section: RF Section

DASY5 Configuration:

- Probe: ER3DV6 - SN2339; ConvF(1, 1, 1); Calibrated: 2/26/2015;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1380; Calibrated: 7/13/2015
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

GSM1900 E-Field measurement/Voice_ch 661/Hearing Aid Compatibility Test

(101x101x1): Interpolated grid: dx=0.5000 mm, dy=0.5000 mm

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 10.74 V/m; Power Drift = 0.01 dB

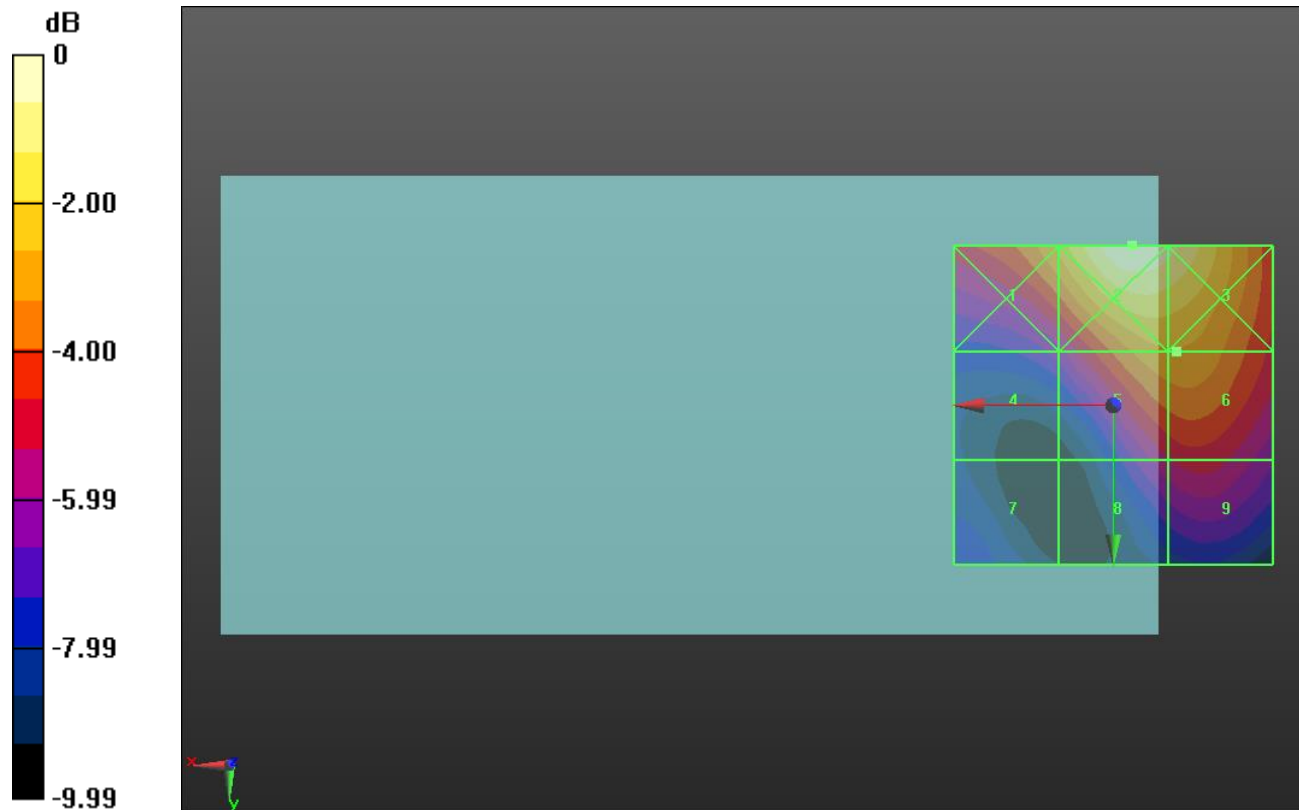
Applied MIF = 3.63 dB

RF audio interference level = 24.78 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 25.05 dBV/m	Grid 2 M4 27.5 dBV/m	Grid 3 M4 27.12 dBV/m
Grid 4 M4 21.3 dBV/m	Grid 5 M4 24.77 dBV/m	Grid 6 M4 24.78 dBV/m
Grid 7 M4 20.12 dBV/m	Grid 8 M4 22.12 dBV/m	Grid 9 M4 22.57 dBV/m



0 dB = 23.71 V/m = 27.50 dBV/m

HAC-RF Emission UAT

Communication System: UID 10021 - CAA, GSM-FDD (TDMA, GMSK); Frequency: 1909.8 MHz; Duty Cycle: 1:8

Phantom section: RF Section

DASY5 Configuration:

- Probe: ER3DV6 - SN2339; ConvF(1, 1, 1); Calibrated: 2/26/2015;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1380; Calibrated: 7/13/2015
- 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 = 11.70 V/m; Power Drift = 0.01 dB

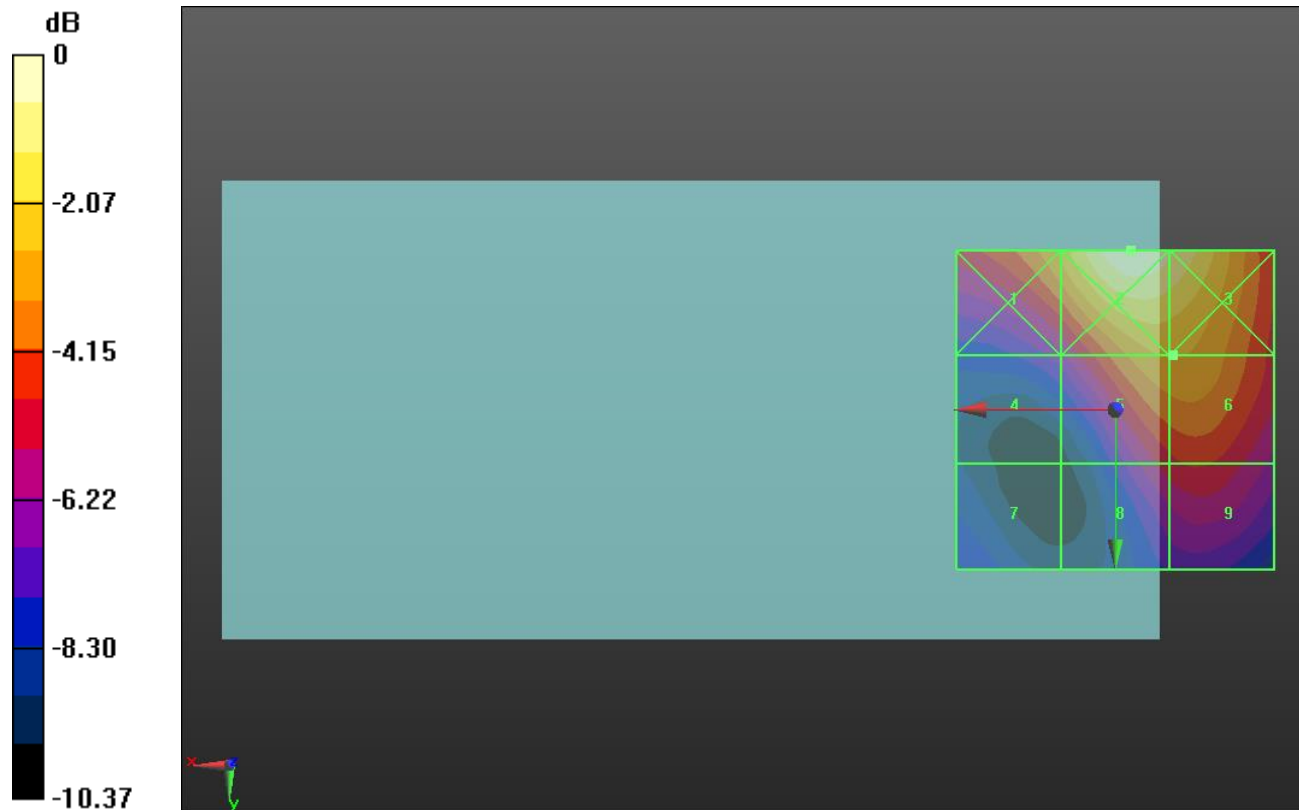
Applied MIF = 3.63 dB

RF audio interference level = 25.42 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 25.61 dBV/m	Grid 2 M4 28.15 dBV/m	Grid 3 M4 27.62 dBV/m
Grid 4 M4 21.78 dBV/m	Grid 5 M4 25.42 dBV/m	Grid 6 M4 25.42 dBV/m
Grid 7 M4 20.47 dBV/m	Grid 8 M4 23.05 dBV/m	Grid 9 M4 23.4 dBV/m



0 dB = 25.55 V/m = 28.15 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: 1:1

Phantom section: RF Section

DASY5 Configuration:

- Probe: ER3DV6 - SN2339; ConvF(1, 1, 1); Calibrated: 2/26/2015;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1380; Calibrated: 7/13/2015
- 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 = 25.97 V/m; Power Drift = 0.07 dB

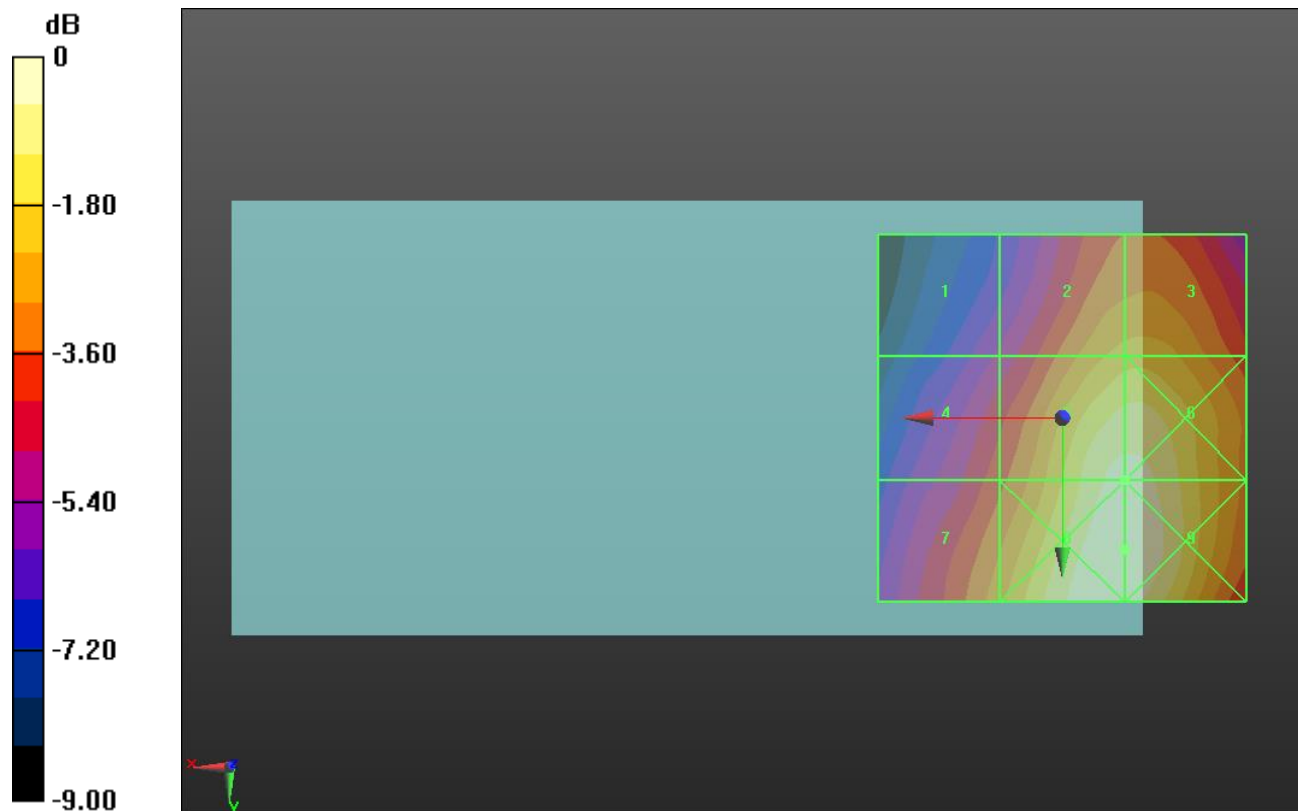
Applied MIF = 3.26 dB

RF audio interference level = 30.70 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 25.81 dBV/m	Grid 2 M4 28.91 dBV/m	Grid 3 M4 28.98 dBV/m
Grid 4 M4 27.29 dBV/m	Grid 5 M4 30.7 dBV/m	Grid 6 M4 30.72 dBV/m
Grid 7 M4 28.48 dBV/m	Grid 8 M4 31.04 dBV/m	Grid 9 M4 31.04 dBV/m



0 dB = 35.64 V/m = 31.04 dBV/m

HAC-RF Emission UAT

Communication System: UID 10295 - AAB, CDMA2000, RC1, SO3, 1/8th Rate 25 fr.; Frequency: 831.99 MHz; Duty Cycle: 1:1

Phantom section: RF Section

DASY5 Configuration:

- Probe: ER3DV6 - SN2339; ConvF(1, 1, 1); Calibrated: 2/26/2015;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1380; Calibrated: 7/13/2015
- 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 = 24.44 V/m; Power Drift = -0.06 dB

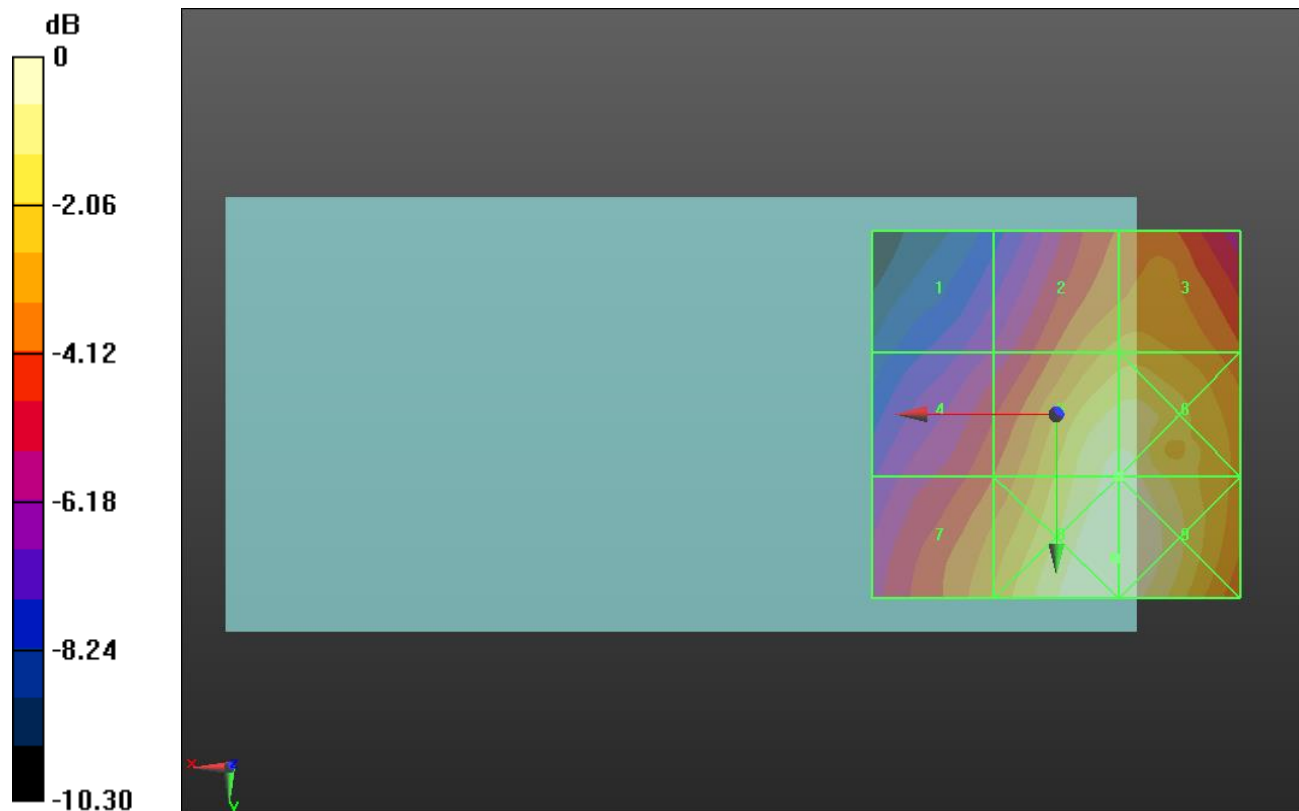
Applied MIF = 3.26 dB

RF audio interference level = 30.30 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 24.72 dBV/m	Grid 2 M4 28.26 dBV/m	Grid 3 M4 28.38 dBV/m
Grid 4 M4 26.65 dBV/m	Grid 5 M4 30.3 dBV/m	Grid 6 M4 30.3 dBV/m
Grid 7 M4 28.08 dBV/m	Grid 8 M4 30.73 dBV/m	Grid 9 M4 30.73 dBV/m



0 dB = 34.40 V/m = 30.73 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: 1:1

Phantom section: RF Section

DASY5 Configuration:

- Probe: ER3DV6 - SN2339; ConvF(1, 1, 1); Calibrated: 2/26/2015;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1380; Calibrated: 7/13/2015
- 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 = 22.56 V/m; Power Drift = -0.01 dB

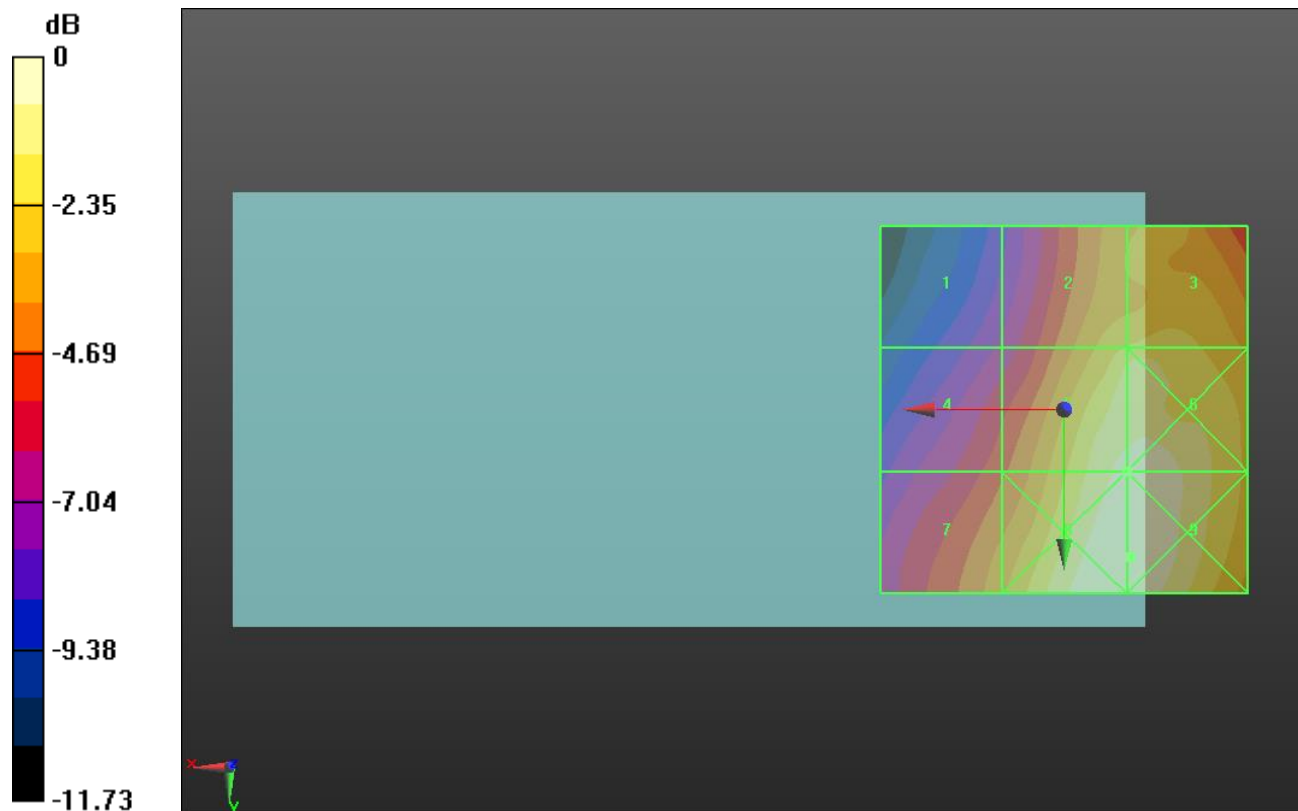
Applied MIF = 3.26 dB

RF audio interference level = 30.03 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 23.72 dBV/m	Grid 2 M4 28.24 dBV/m	Grid 3 M4 28.54 dBV/m
Grid 4 M4 25.71 dBV/m	Grid 5 M4 30.03 dBV/m	Grid 6 M4 30.14 dBV/m
Grid 7 M4 27.25 dBV/m	Grid 8 M4 30.53 dBV/m	Grid 9 M4 30.53 dBV/m



0 dB = 33.63 V/m = 30.53 dBV/m

HAC-RF Emission UAT

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

Phantom section: RF Section

DASY5 Configuration:

- Probe: ER3DV6 - SN2339; ConvF(1, 1, 1); Calibrated: 2/26/2015;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1380; Calibrated: 7/13/2015
- 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 = 15.11 V/m; Power Drift = -0.00 dB

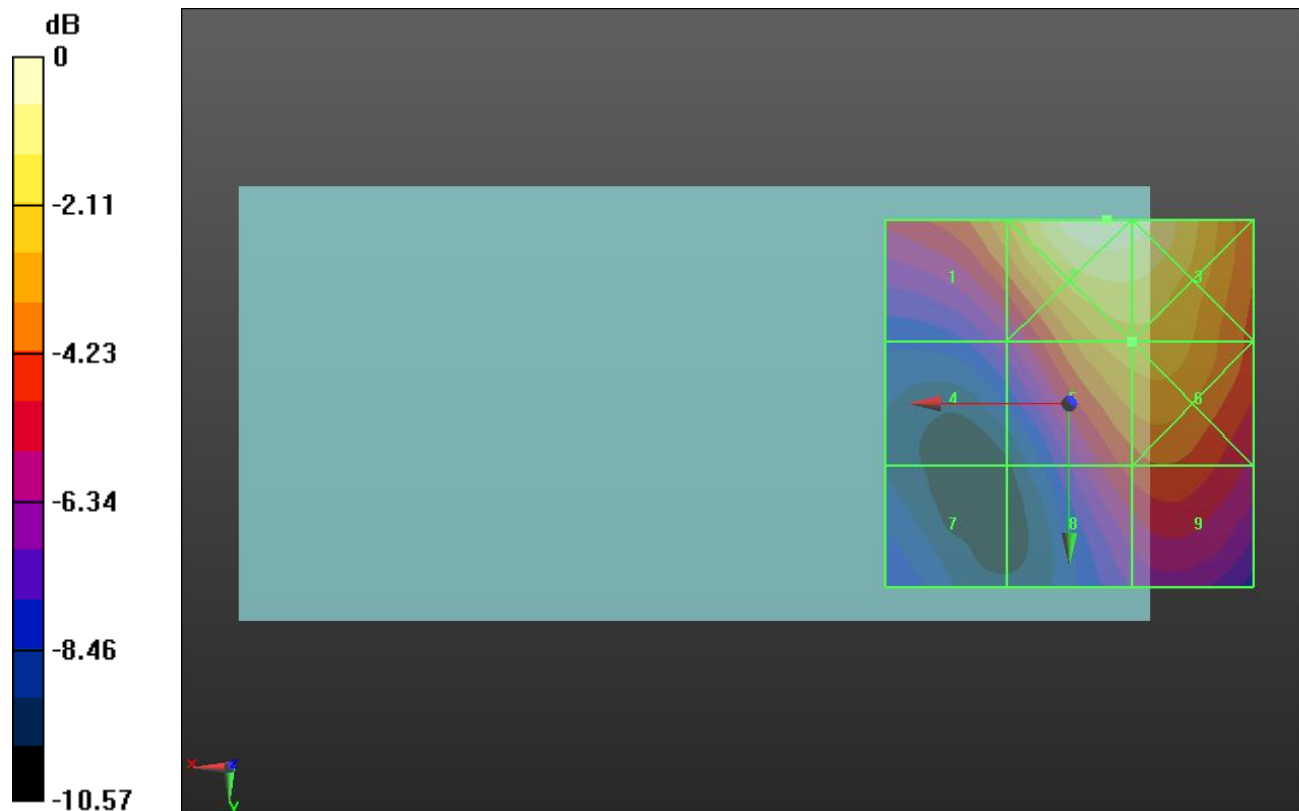
Applied MIF = 3.26 dB

RF audio interference level = 27.42 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 26.97 dBV/m	Grid 2 M4 29.79 dBV/m	Grid 3 M4 29.53 dBV/m
Grid 4 M4 23.34 dBV/m	Grid 5 M4 27.42 dBV/m	Grid 6 M4 27.46 dBV/m
Grid 7 M4 21.9 dBV/m	Grid 8 M4 25.18 dBV/m	Grid 9 M4 25.55 dBV/m



0 dB = 30.86 V/m = 29.79 dBV/m

HAC-RF Emission UAT

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

Phantom section: RF Section

DASY5 Configuration:

- Probe: ER3DV6 - SN2339; ConvF(1, 1, 1); Calibrated: 2/26/2015;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1380; Calibrated: 7/13/2015
- 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 = 15.37 V/m; Power Drift = 0.11 dB

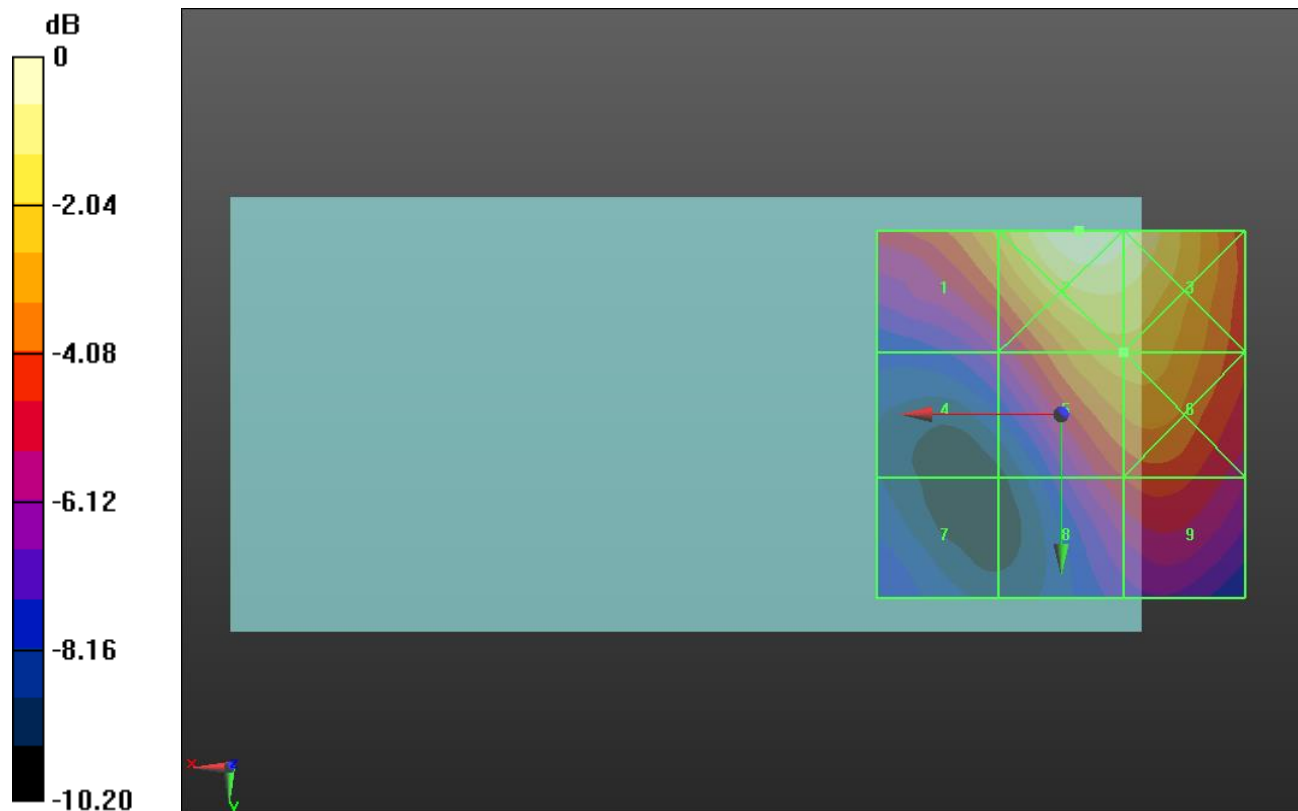
Applied MIF = 3.26 dB

RF audio interference level = 27.51 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 27.37 dBV/m	Grid 2 M4 29.81 dBV/m	Grid 3 M4 29.43 dBV/m
Grid 4 M4 23.79 dBV/m	Grid 5 M4 27.51 dBV/m	Grid 6 M4 27.51 dBV/m
Grid 7 M4 22.33 dBV/m	Grid 8 M4 25.1 dBV/m	Grid 9 M4 25.47 dBV/m



0 dB = 30.95 V/m = 29.81 dBV/m

HAC-RF Emission UAT

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

Phantom section: RF Section

DASY5 Configuration:

- Probe: ER3DV6 - SN2339; ConvF(1, 1, 1); Calibrated: 2/26/2015;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1380; Calibrated: 7/13/2015
- 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 = 15.82 V/m; Power Drift = -0.12 dB

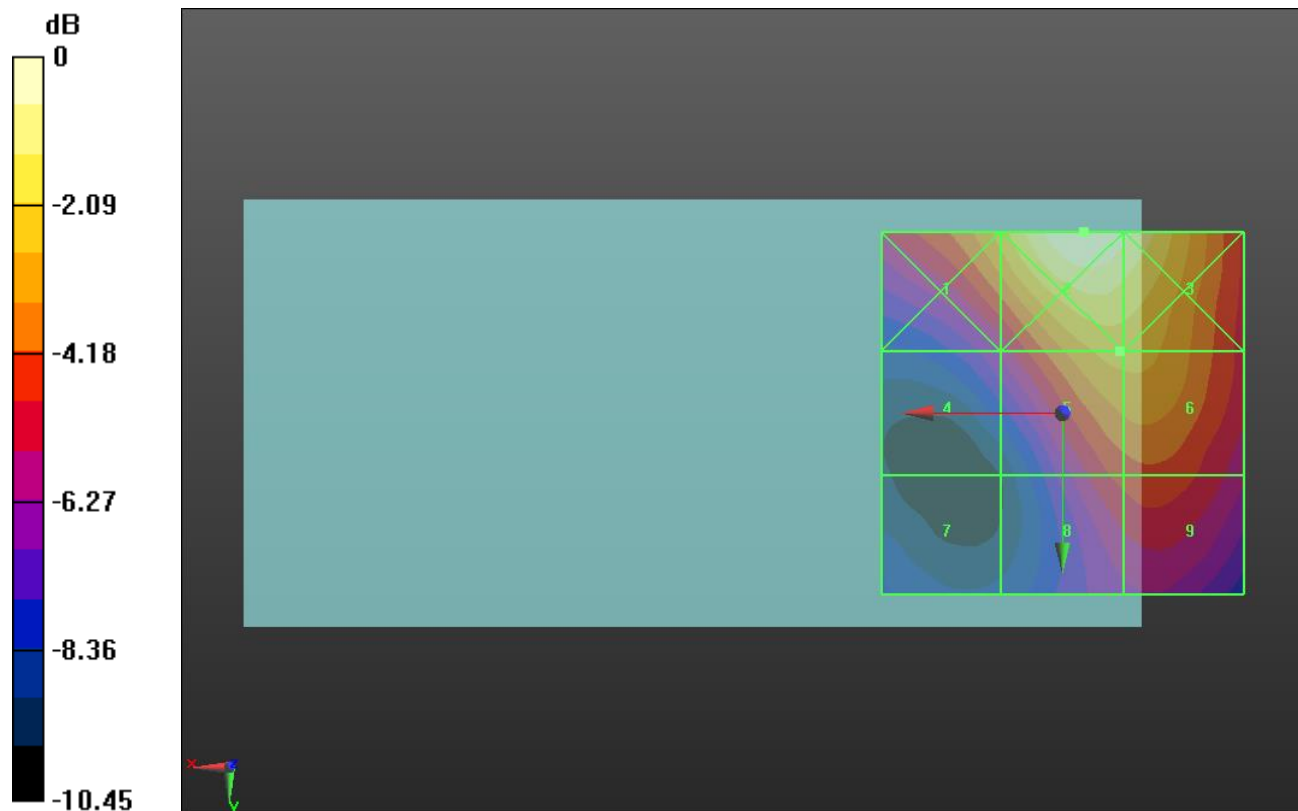
Applied MIF = 3.26 dB

RF audio interference level = 27.30 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 27.39 dBV/m	Grid 2 M4 29.83 dBV/m	Grid 3 M4 29.35 dBV/m
Grid 4 M4 23.73 dBV/m	Grid 5 M4 27.3 dBV/m	Grid 6 M4 27.3 dBV/m
Grid 7 M4 21.66 dBV/m	Grid 8 M4 25.27 dBV/m	Grid 9 M4 25.49 dBV/m



0 dB = 31.00 V/m = 29.83 dBV/m

HAC-RF Emission UAT

Communication System: UID 10295 - AAB, CDMA2000, RC1, SO3, 1/8th Rate 25 fr.; Frequency: 817.9 MHz; Duty Cycle: 1:1

Phantom section: RF Section

DASY5 Configuration:

- Probe: ER3DV6 - SN2339; ConvF(1, 1, 1); Calibrated: 2/26/2015;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1380; Calibrated: 7/13/2015
- 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 476/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 = 25.16 V/m; Power Drift = 0.02 dB

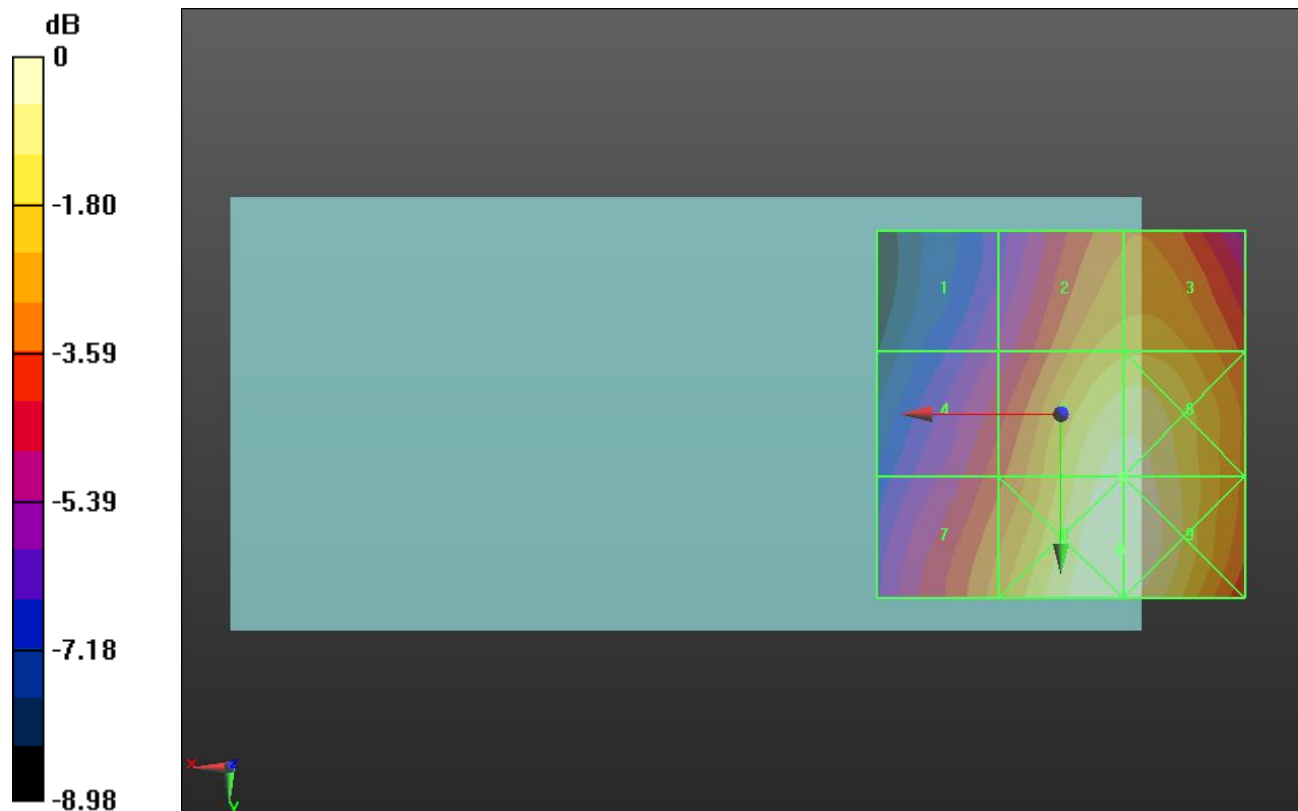
Applied MIF = 3.26 dB

RF audio interference level = 30.32 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 25.47 dBV/m	Grid 2 M4 28.71 dBV/m	Grid 3 M4 28.77 dBV/m
Grid 4 M4 26.86 dBV/m	Grid 5 M4 30.32 dBV/m	Grid 6 M4 30.32 dBV/m
Grid 7 M4 27.99 dBV/m	Grid 8 M4 30.62 dBV/m	Grid 9 M4 30.62 dBV/m



0 dB = 33.98 V/m = 30.62 dBV/m

HAC-RF Emission UAT

Communication System: UID 10295 - AAB, CDMA2000, RC1, SO3, 1/8th Rate 25 fr.; Frequency: 820.5 MHz; Duty Cycle: 1:1

Phantom section: RF Section

DASY5 Configuration:

- Probe: ER3DV6 - SN2339; ConvF(1, 1, 1); Calibrated: 2/26/2015;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1380; Calibrated: 7/13/2015
- 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 580/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 = 24.62 V/m; Power Drift = -0.01 dB

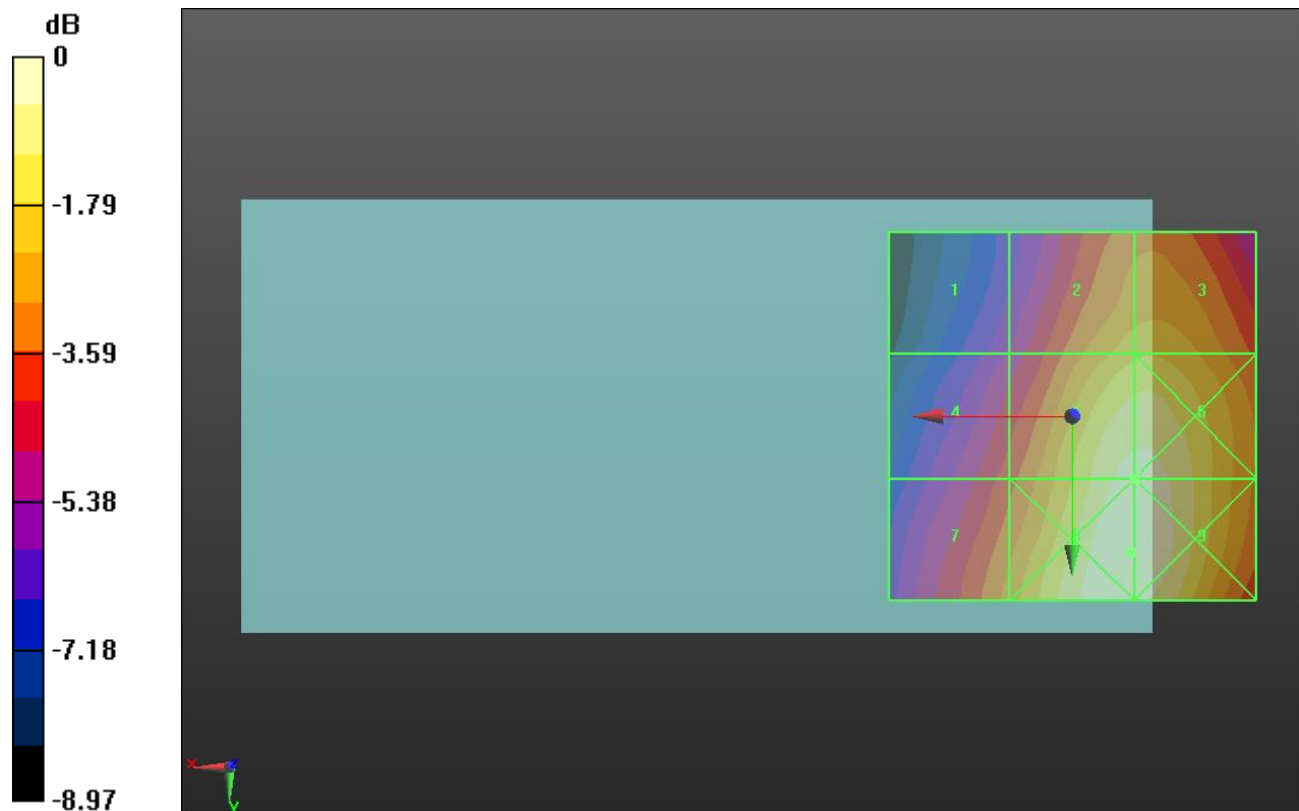
Applied MIF = 3.26 dB

RF audio interference level = 30.24 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 25.3 dBV/m	Grid 2 M4 28.65 dBV/m	Grid 3 M4 28.75 dBV/m
Grid 4 M4 26.79 dBV/m	Grid 5 M4 30.24 dBV/m	Grid 6 M4 30.26 dBV/m
Grid 7 M4 27.86 dBV/m	Grid 8 M4 30.57 dBV/m	Grid 9 M4 30.57 dBV/m



0 dB = 33.78 V/m = 30.57 dBV/m

HAC-RF Emission UAT

Communication System: UID 10295 - AAB, CDMA2000, RC1, SO3, 1/8th Rate 25 fr.; Frequency: 822.75 MHz; Duty Cycle: 1:1

Phantom section: RF Section

DASY5 Configuration:

- Probe: ER3DV6 - SN2339; ConvF(1, 1, 1); Calibrated: 2/26/2015;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1380; Calibrated: 7/13/2015
- 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 = 25.25 V/m; Power Drift = 0.07 dB

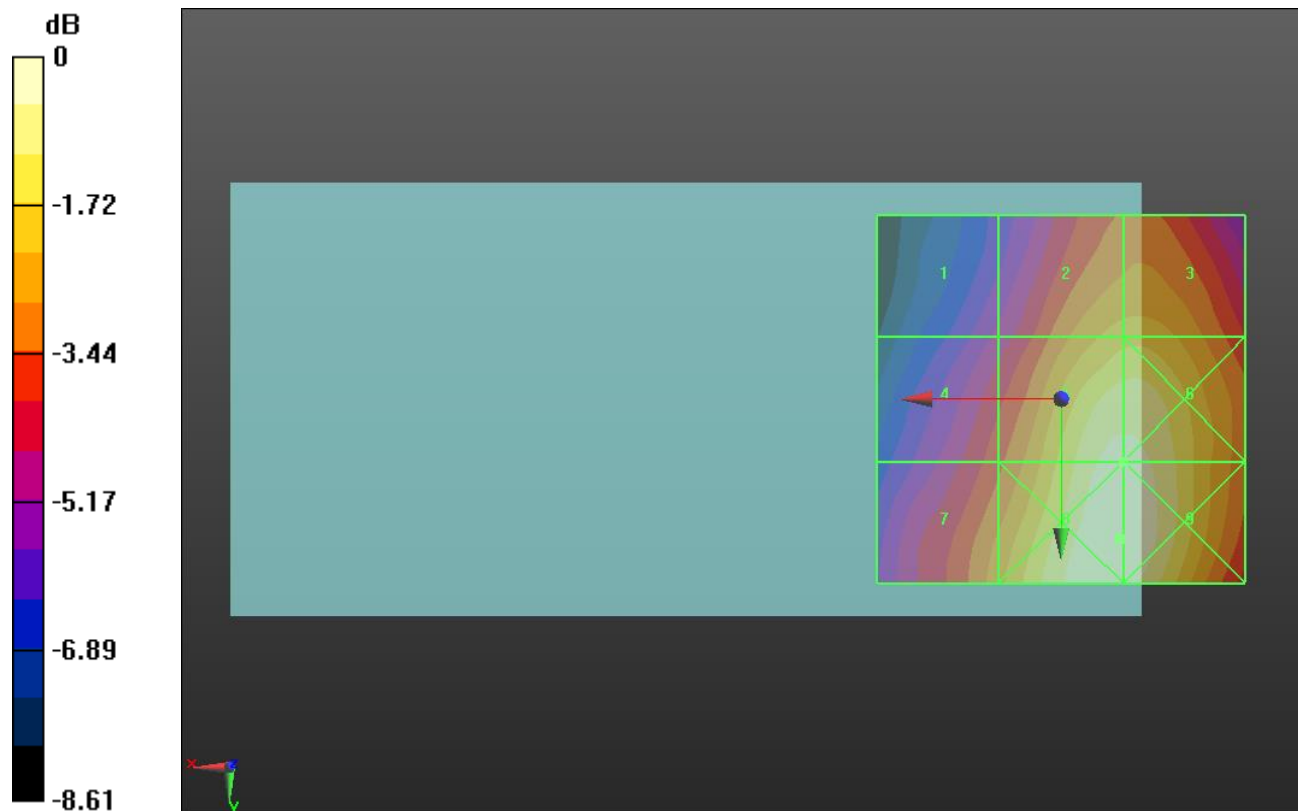
Applied MIF = 3.26 dB

RF audio interference level = 30.18 dBV/m

Emission category: **M4**

MIF scaled E-field

Grid 1 M4 25.58 dBV/m	Grid 2 M4 28.55 dBV/m	Grid 3 M4 28.6 dBV/m
Grid 4 M4 26.95 dBV/m	Grid 5 M4 30.18 dBV/m	Grid 6 M4 30.18 dBV/m
Grid 7 M4 28.05 dBV/m	Grid 8 M4 30.53 dBV/m	Grid 9 M4 30.53 dBV/m



0 dB = 33.61 V/m = 30.53 dBV/m

HAC-RF Emission UAT

Communication System: UID 10295 - AAB, CDMA2000, RC1, SO3, 1/8th Rate 25 fr.; Frequency: 1711.25 MHz; Duty Cycle: 1:1

Phantom section: RF Section

DASY5 Configuration:

- Probe: ER3DV6 - SN2339; ConvF(1, 1, 1); Calibrated: 2/26/2015;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1380; Calibrated: 7/13/2015
- 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 BC15 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 = 14.18 V/m; Power Drift = 0.06 dB

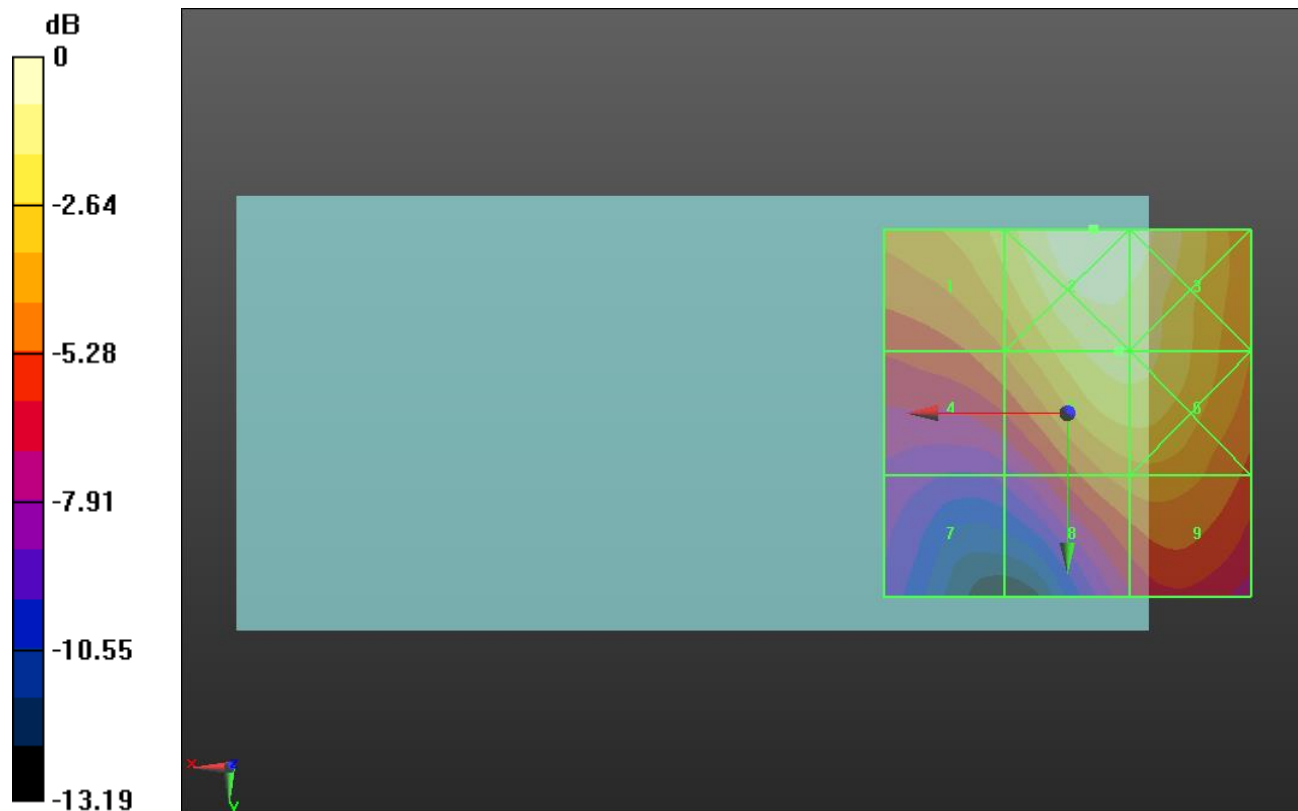
Applied MIF = 3.26 dB

RF audio interference level = 26.02 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 25.13 dBV/m	Grid 2 M4 27.31 dBV/m	Grid 3 M4 26.97 dBV/m
Grid 4 M4 22.99 dBV/m	Grid 5 M4 26.02 dBV/m	Grid 6 M4 25.97 dBV/m
Grid 7 M4 19.22 dBV/m	Grid 8 M4 23.39 dBV/m	Grid 9 M4 23.55 dBV/m



0 dB = 23.21 V/m = 27.31 dBV/m

HAC-RF Emission UAT

Communication System: UID 10295 - AAB, CDMA2000, RC1, SO3, 1/8th Rate 25 fr.; Frequency: 1732.5 MHz; Duty Cycle: 1:1

Phantom section: RF Section

DASY5 Configuration:

- Probe: ER3DV6 - SN2339; ConvF(1, 1, 1); Calibrated: 2/26/2015;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1380; Calibrated: 7/13/2015
- 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 BC15 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 = 14.68 V/m; Power Drift = -0.17 dB

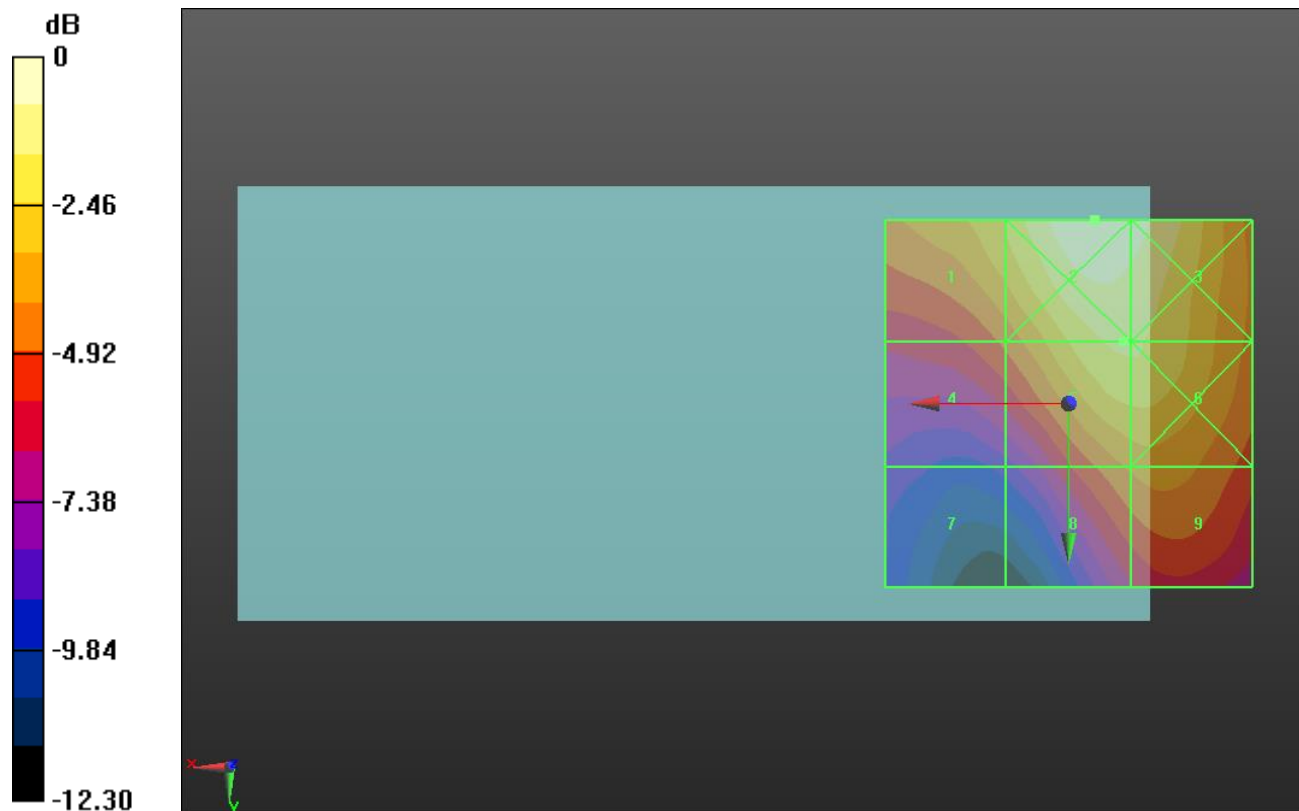
Applied MIF = 3.26 dB

RF audio interference level = 26.38 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 25.53 dBV/m	Grid 2 M4 27.88 dBV/m	Grid 3 M4 27.48 dBV/m
Grid 4 M4 23.25 dBV/m	Grid 5 M4 26.38 dBV/m	Grid 6 M4 26.35 dBV/m
Grid 7 M4 19.5 dBV/m	Grid 8 M4 23.97 dBV/m	Grid 9 M4 24.22 dBV/m



0 dB = 24.79 V/m = 27.89 dBV/m

HAC-RF Emission UAT

Communication System: UID 10295 - AAB, CDMA2000, RC1, SO3, 1/8th Rate 25 fr.; Frequency: 1753.75 MHz; Duty Cycle: 1:1

Phantom section: RF Section

DASY5 Configuration:

- Probe: ER3DV6 - SN2339; ConvF(1, 1, 1); Calibrated: 2/26/2015;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1380; Calibrated: 7/13/2015
- 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 BC15 E-Field measurement/RC1_SO3__ch 875/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 = 14.38 V/m; Power Drift = -0.00 dB

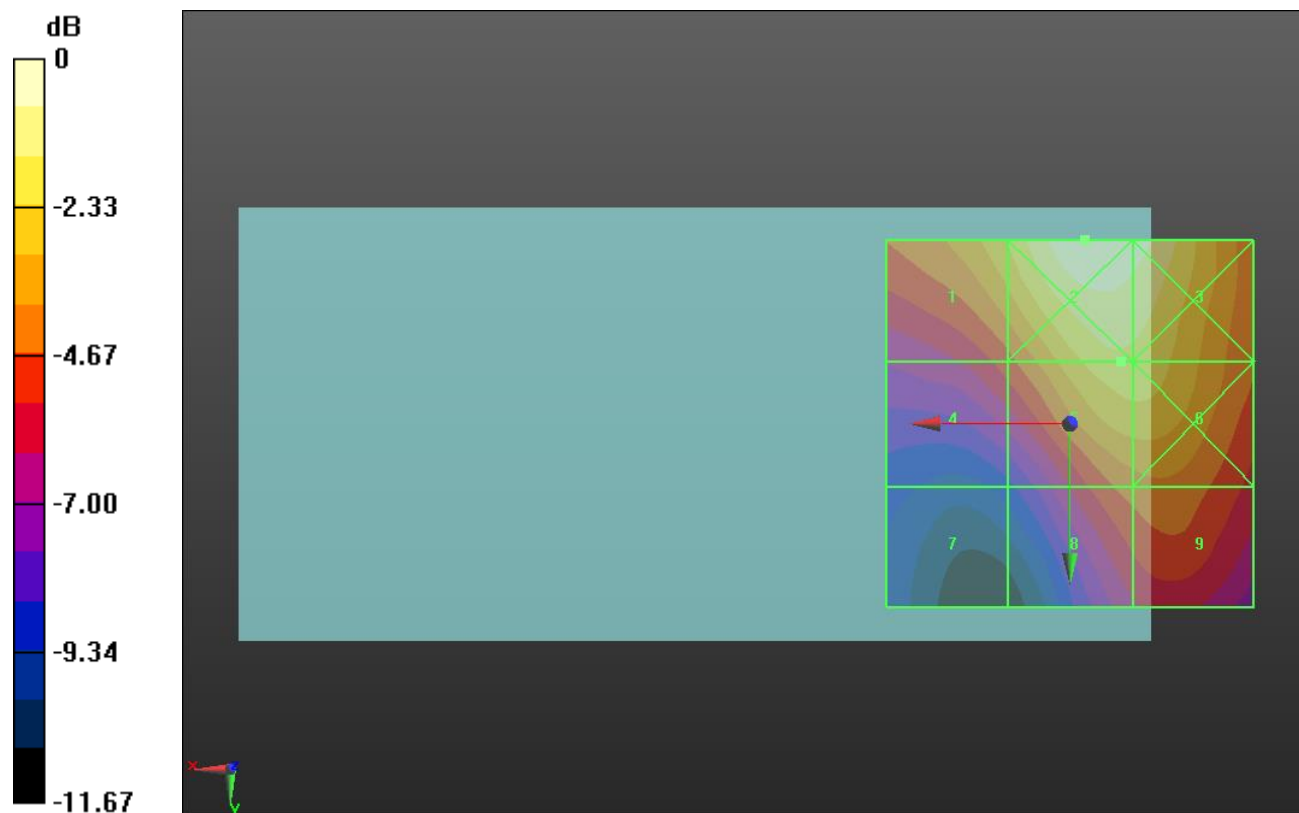
Applied MIF = 3.26 dB

RF audio interference level = 26.58 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 26.04 dBV/m	Grid 2 M4 28.31 dBV/m	Grid 3 M4 27.97 dBV/m
Grid 4 M4 23.36 dBV/m	Grid 5 M4 26.58 dBV/m	Grid 6 M4 26.54 dBV/m
Grid 7 M4 19.5 dBV/m	Grid 8 M4 24.05 dBV/m	Grid 9 M4 24.29 dBV/m



0 dB = 26.04 V/m = 28.31 dBV/m

HAC-RF Emission UAT

Communication System: UID 10173 - CAB, LTE-TDD (SC-FDMA, 1 RB, 20 MHz, 16-QAM); Frequency: 2506 MHz; Duty Cycle: 1:8

Phantom section: RF Section

DASY5 Configuration:

- Probe: ER3DV6 - SN2339; ConvF(1, 1, 1); Calibrated: 2/26/2015;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1380; Calibrated: 7/13/2015
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7331)

LTE Band 41 E-Field measurement/LTE TDD_16QAM_RB 1/50_ch 39750/Hearing Aid Compatibility Test (101x101x1):

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 9.072 V/m; Power Drift = -0.05 dB

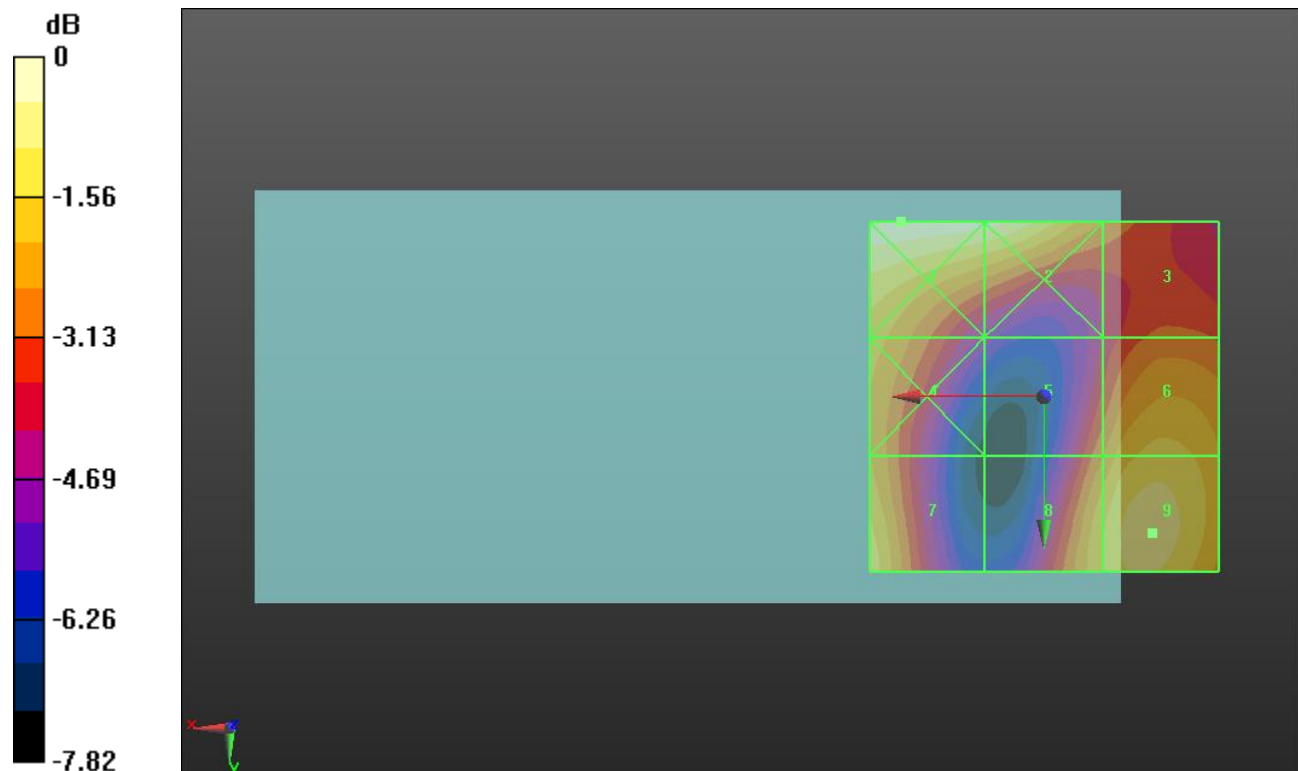
Applied MIF = -1.44 dB

RF audio interference level = 22.50 dBV/m

Emission category: **M4**

MIF scaled E-field

Grid 1 M4 23.26 dBV/m	Grid 2 M4 22.98 dBV/m	Grid 3 M4 20.64 dBV/m
Grid 4 M4 21.45 dBV/m	Grid 5 M4 20.68 dBV/m	Grid 6 M4 21.93 dBV/m
Grid 7 M4 22.1 dBV/m	Grid 8 M4 21.77 dBV/m	Grid 9 M4 22.5 dBV/m



0 dB = 14.55 V/m = 23.26 dBV/m

HAC-RF Emission UAT

Communication System: UID 10173 - CAB, LTE-TDD (SC-FDMA, 1 RB, 20 MHz, 16-QAM); Frequency: 2549.5 MHz; Duty Cycle: 1:8

Phantom section: RF Section

DASY5 Configuration:

- Probe: ER3DV6 - SN2339; ConvF(1, 1, 1); Calibrated: 2/26/2015;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1380; Calibrated: 7/13/2015
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.8 (7);SEMCAD X Version 14.6.10 (7331)

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 = 14.53 V/m; Power Drift = 0.05 dB

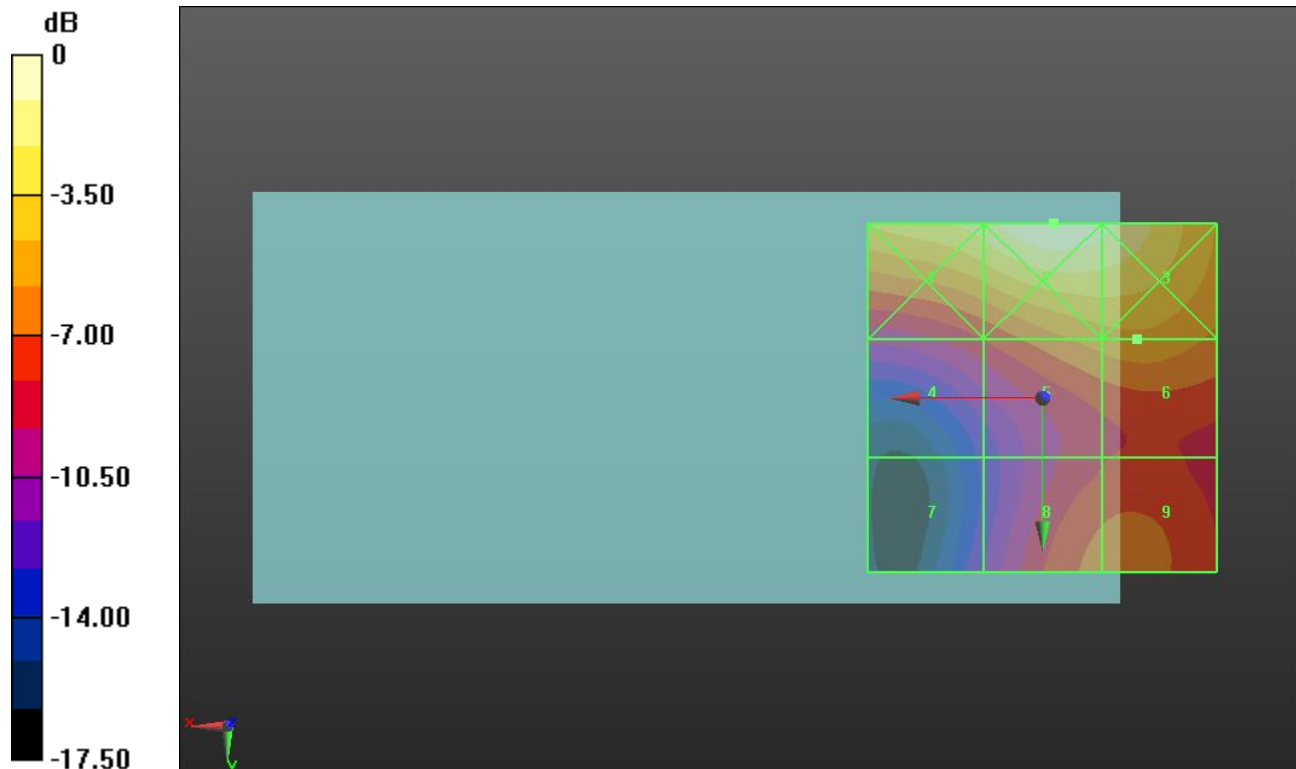
Applied MIF = -1.44 dB

RF audio interference level = 24.17 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 27.47 dBV/m	Grid 2 M4 29.12 dBV/m	Grid 3 M4 28.38 dBV/m
Grid 4 M4 21.05 dBV/m	Grid 5 M4 23.9 dBV/m	Grid 6 M4 24.17 dBV/m
Grid 7 M4 17.72 dBV/m	Grid 8 M4 22.59 dBV/m	Grid 9 M4 22.73 dBV/m



0 dB = 28.58 V/m = 29.12 dBV/m

HAC-RF Emission UAT

Communication System: UID 10173 - CAB, LTE-TDD (SC-FDMA, 1 RB, 20 MHz, 16-QAM); Frequency: 2593 MHz; Duty Cycle: 1:8

Phantom section: RF Section

DASY5 Configuration:

- Probe: ER3DV6 - SN2339; ConvF(1, 1, 1); Calibrated: 2/26/2015;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1380; Calibrated: 7/13/2015
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.8 (7);SEMCAD X Version 14.6.10 (7331)

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 = 15.41 V/m; Power Drift = 0.10 dB

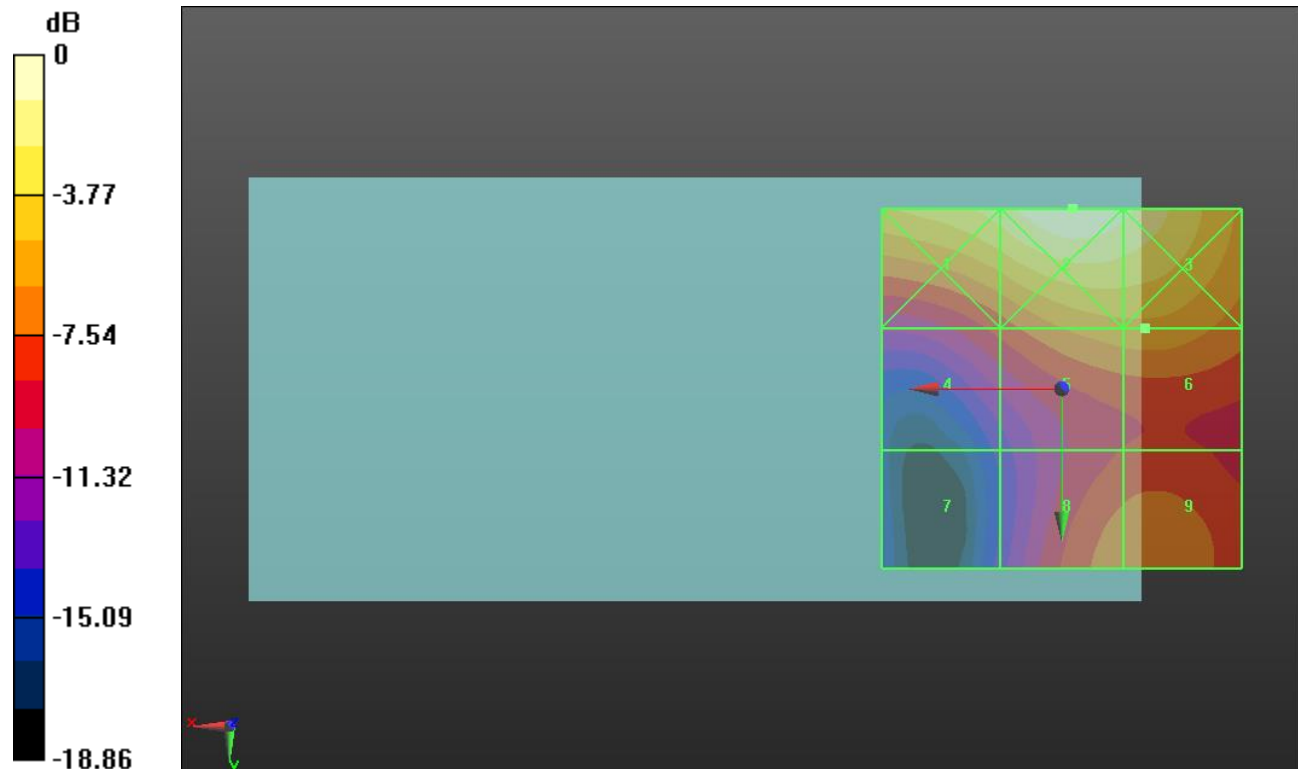
Applied MIF = -1.44 dB

RF audio interference level = 24.30 dBV/m

Emission category: **M4**

MIF scaled E-field

Grid 1 M4 27.87 dBV/m	Grid 2 M4 29.67 dBV/m	Grid 3 M4 28.76 dBV/m
Grid 4 M4 21.46 dBV/m	Grid 5 M4 24.25 dBV/m	Grid 6 M4 24.3 dBV/m
Grid 7 M4 16.66 dBV/m	Grid 8 M4 22.94 dBV/m	Grid 9 M4 23.15 dBV/m



0 dB = 30.43 V/m = 29.67 dBV/m

HAC-RF Emission UAT

Communication System: UID 10173 - CAB, LTE-TDD (SC-FDMA, 1 RB, 20 MHz, 16-QAM); Frequency: 2636.5 MHz; Duty Cycle: 1:8

Phantom section: RF Section

DASY5 Configuration:

- Probe: ER3DV6 - SN2339; ConvF(1, 1, 1); Calibrated: 2/26/2015;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1380; Calibrated: 7/13/2015
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7331)

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 = 15.31 V/m; Power Drift = -0.05 dB

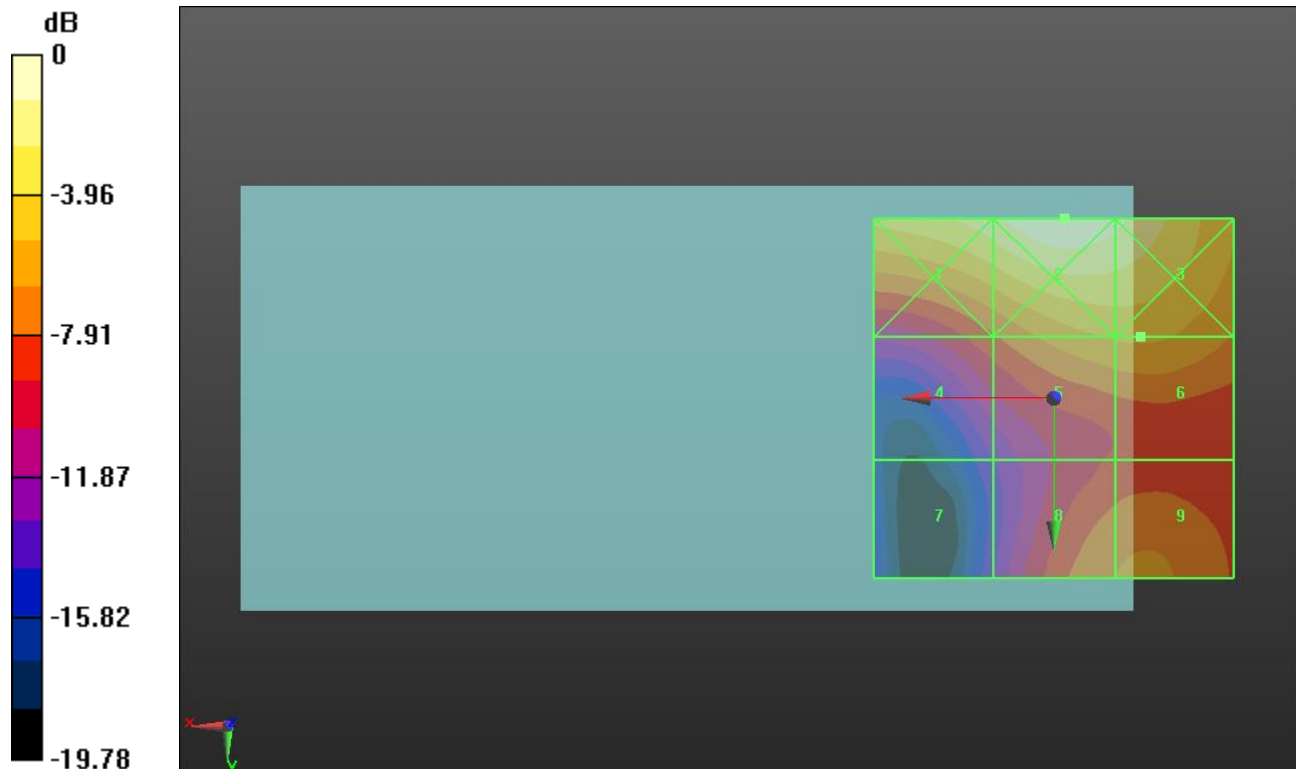
Applied MIF = -1.44 dB

RF audio interference level = 24.05 dBV/m

Emission category: **M4**

MIF scaled E-field

Grid 1 M4 27.38 dBV/m	Grid 2 M4 29.07 dBV/m	Grid 3 M4 28.14 dBV/m
Grid 4 M4 20.97 dBV/m	Grid 5 M4 23.94 dBV/m	Grid 6 M4 24.05 dBV/m
Grid 7 M4 15.99 dBV/m	Grid 8 M4 22.53 dBV/m	Grid 9 M4 22.76 dBV/m



0 dB = 28.41 V/m = 29.07 dBV/m

HAC-RF Emission UAT

Communication System: UID 10173 - CAB, LTE-TDD (SC-FDMA, 1 RB, 20 MHz, 16-QAM); Frequency: 2680 MHz; Duty Cycle: 1:8

Phantom section: RF Section

DASY5 Configuration:

- Probe: ER3DV6 - SN2339; ConvF(1, 1, 1); Calibrated: 2/26/2015;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1380; Calibrated: 7/13/2015
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.8 (7);SEMCAD X Version 14.6.10 (7331)

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 = 13.91 V/m; Power Drift = 0.00 dB

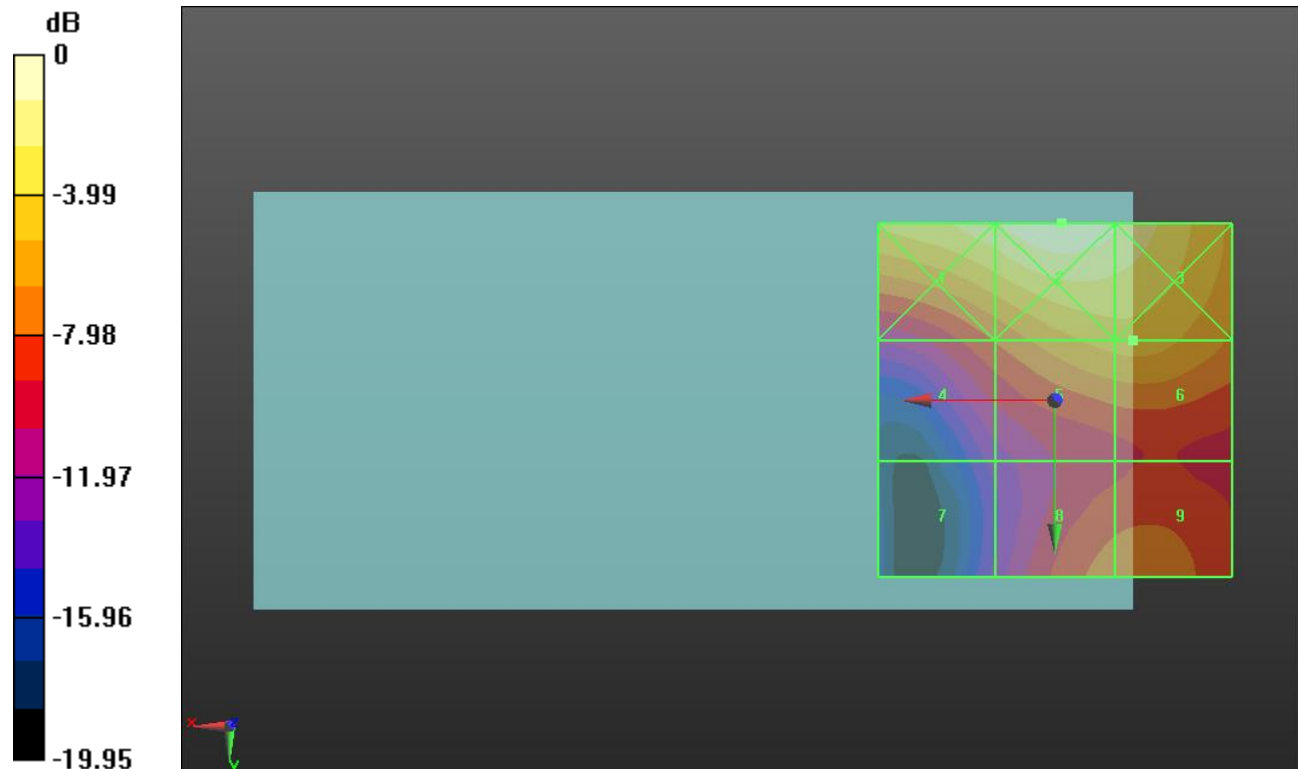
Applied MIF = -1.44 dB

RF audio interference level = 22.85 dBV/m

Emission category: **M4**

MIF scaled E-field

Grid 1 M4 26.09 dBV/m	Grid 2 M4 27.56 dBV/m	Grid 3 M4 26.48 dBV/m
Grid 4 M4 19.69 dBV/m	Grid 5 M4 22.79 dBV/m	Grid 6 M4 22.85 dBV/m
Grid 7 M4 14.87 dBV/m	Grid 8 M4 20.24 dBV/m	Grid 9 M4 20.39 dBV/m



0 dB = 23.87 V/m = 27.56 dBV/m

HAC-RF Emission UAT

Communication System: UID 10077 - CAA, IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 54 Mbps); Frequency: 2422 MHz; Duty Cycle: 1:1

Phantom section: RF Section

DASY5 Configuration:

- Probe: ER3DV6 - SN2339; ConvF(1, 1, 1); Calibrated: 2/26/2015;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1380; Calibrated: 7/13/2015
- 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)

WLAN 802.11g E-Field measurement/IEEE 802.11g_OFDM 54 Mbps_ch 3/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 = 18.93 V/m; Power Drift = -0.26 dB

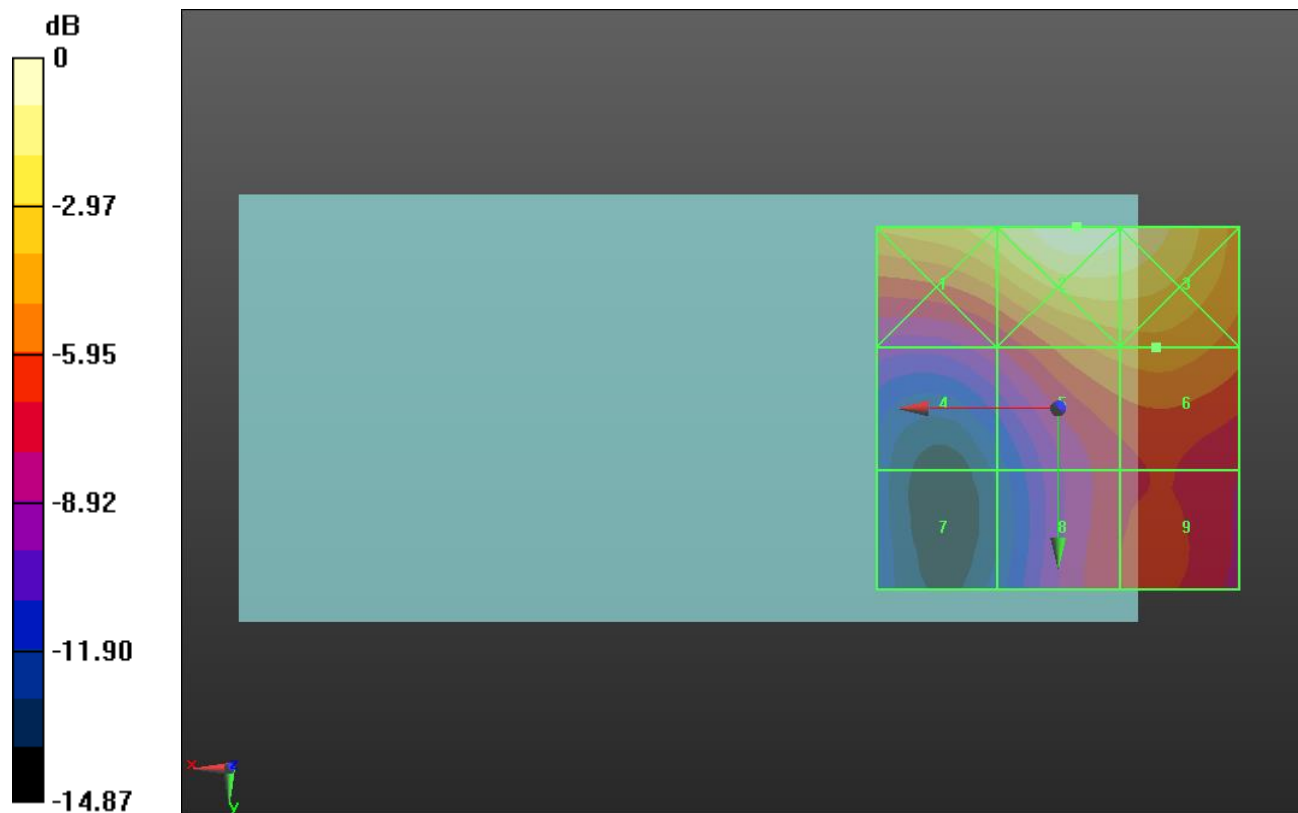
Applied MIF = 0.12 dB

RF audio interference level = 27.66 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 29.83 dBV/m	Grid 2 M3 31.98 dBV/m	Grid 3 M3 31.41 dBV/m
Grid 4 M4 24.02 dBV/m	Grid 5 M4 27.48 dBV/m	Grid 6 M4 27.66 dBV/m
Grid 7 M4 20.17 dBV/m	Grid 8 M4 25.05 dBV/m	Grid 9 M4 25.38 dBV/m



0 dB = 39.72 V/m = 31.98 dBV/m

HAC-RF Emission UAT

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

Phantom section: RF Section

DASY5 Configuration:

- Probe: ER3DV6 - SN2339; ConvF(1, 1, 1); Calibrated: 2/26/2015;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1380; Calibrated: 7/13/2015
- 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)

WLAN 802.11g E-Field measurement/IEEE 802.11g_OFDM 54 Mbps_ch 6/Hearing Aid Compatibility Test (101x101x1): Interpolated grid: dx=0.5000 mm, dy=0.5000 mm

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 19.36 V/m; Power Drift = -0.07 dB

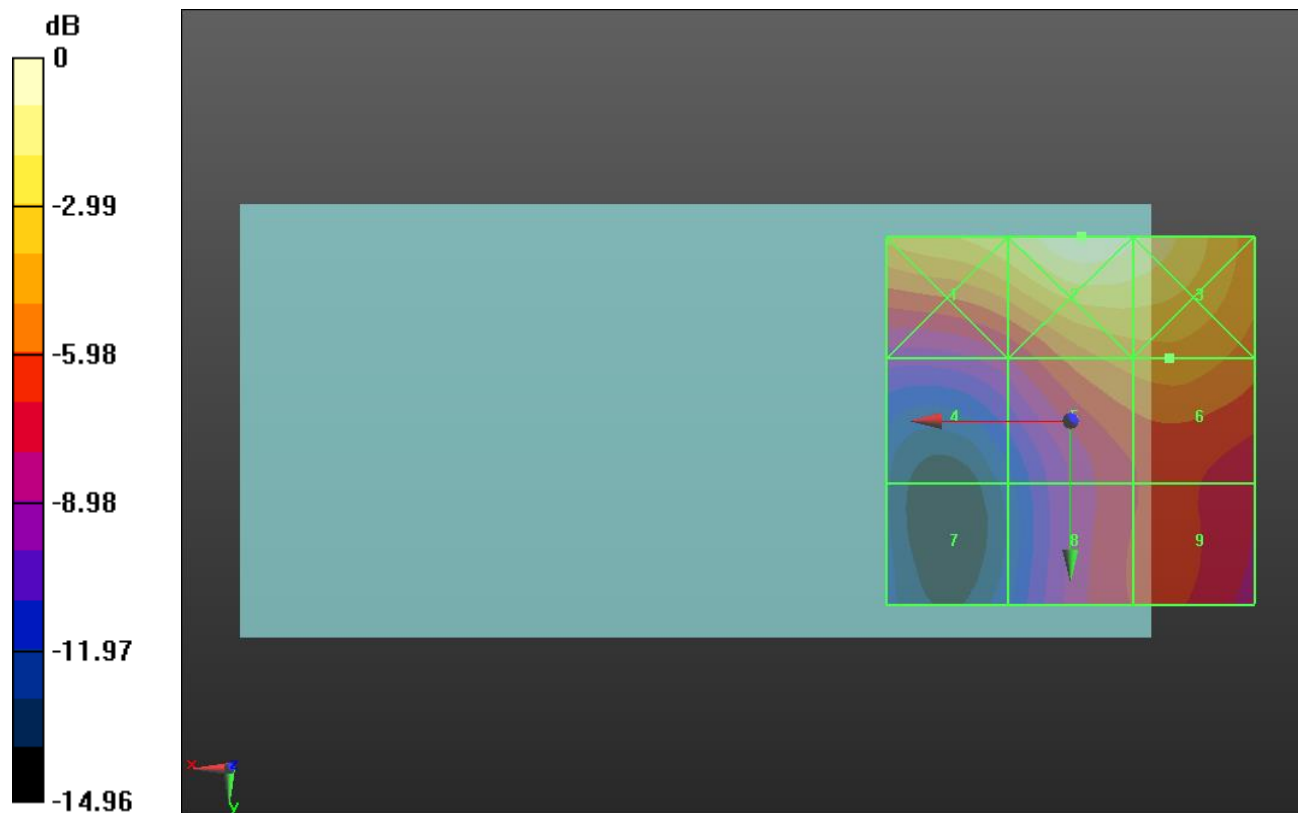
Applied MIF = 0.12 dB

RF audio interference level = 27.43 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 29.81 dBV/m	Grid 2 M3 31.78 dBV/m	Grid 3 M3 30.99 dBV/m
Grid 4 M4 23.76 dBV/m	Grid 5 M4 27.24 dBV/m	Grid 6 M4 27.43 dBV/m
Grid 7 M4 19.7 dBV/m	Grid 8 M4 24.95 dBV/m	Grid 9 M4 25.18 dBV/m



0 dB = 38.83 V/m = 31.78 dBV/m

HAC-RF Emission UAT

Communication System: UID 10077 - CAA, IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 54 Mbps); Frequency: 2452 MHz; Duty Cycle: 1:1

Phantom section: RF Section

DASY5 Configuration:

- Probe: ER3DV6 - SN2339; ConvF(1, 1, 1); Calibrated: 2/26/2015;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1380; Calibrated: 7/13/2015
- 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)

WLAN 802.11g E-Field measurement/IEEE 802.11g_OFDM 54 Mbps_ch 9/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 = 21.28 V/m; Power Drift = -0.03 dB

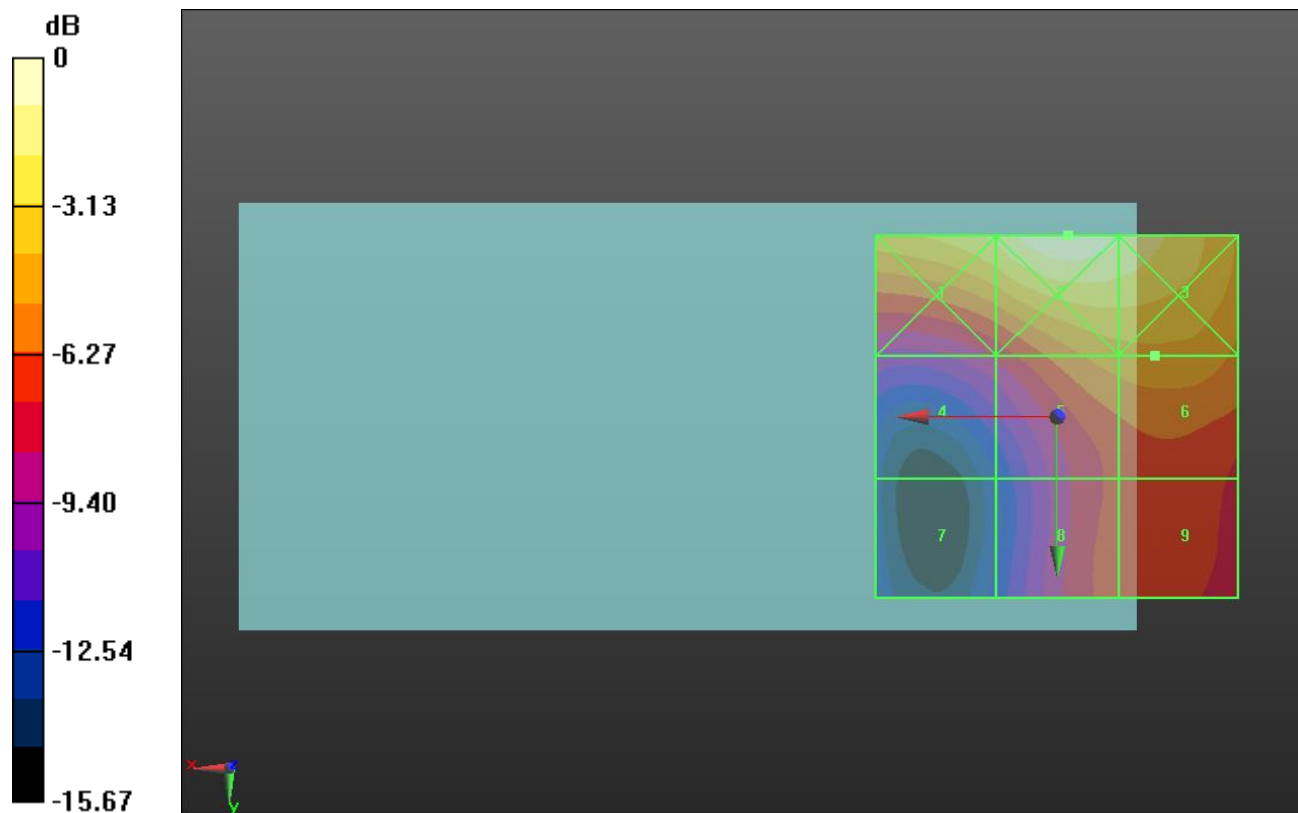
Applied MIF = 0.12 dB

RF audio interference level = 28.29 dBV/m

Emission category: **M4**

MIF scaled E-field

Grid 1 M3 30.98 dBV/m	Grid 2 M3 32.72 dBV/m	Grid 3 M3 31.89 dBV/m
Grid 4 M4 24.67 dBV/m	Grid 5 M4 28.1 dBV/m	Grid 6 M4 28.29 dBV/m
Grid 7 M4 20.68 dBV/m	Grid 8 M4 26.04 dBV/m	Grid 9 M4 26.35 dBV/m



0 dB = 43.26 V/m = 32.72 dBV/m

HAC-RF Emission LAT

Communication System: UID 10021 - CAA, GSM-FDD (TDMA, GMSK); Frequency: 824.2 MHz; Duty Cycle: 1:8

Phantom section: RF Section

DASY5 Configuration:

- Probe: ER3DV6 - SN2339; ConvF(1, 1, 1); Calibrated: 2/26/2015;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1380; Calibrated: 7/13/2015
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.8 (7);SEMCAD X Version 14.6.10 (7331)

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 = 67.90 V/m; Power Drift = -0.06 dB

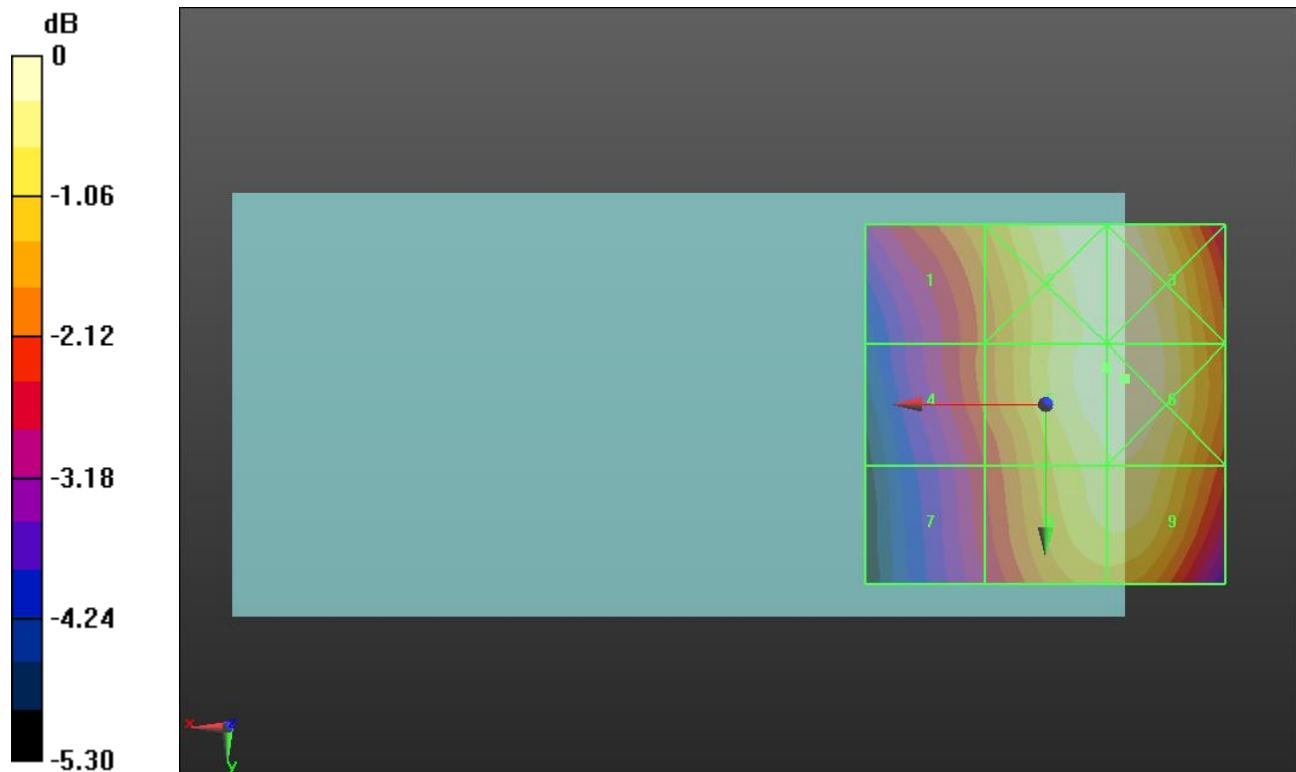
Applied MIF = 3.63 dB

RF audio interference level = 39.10 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 37.73 dBV/m	Grid 2 M4 39.05 dBV/m	Grid 3 M4 39.1 dBV/m
Grid 4 M4 37.21 dBV/m	Grid 5 M4 39.1 dBV/m	Grid 6 M4 39.14 dBV/m
Grid 7 M4 36.69 dBV/m	Grid 8 M4 38.73 dBV/m	Grid 9 M4 38.77 dBV/m



0 dB = 90.59 V/m = 39.14 dBV/m

HAC-RF Emission LAT

Communication System: UID 10021 - CAA, GSM-FDD (TDMA, GMSK); Frequency: 836.6 MHz; Duty Cycle: 1:8

Phantom section: RF Section

DASY5 Configuration:

- Probe: ER3DV6 - SN2339; ConvF(1, 1, 1); Calibrated: 2/26/2015;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1380; Calibrated: 7/13/2015
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7331)

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 = 61.14 V/m; Power Drift = 0.00 dB

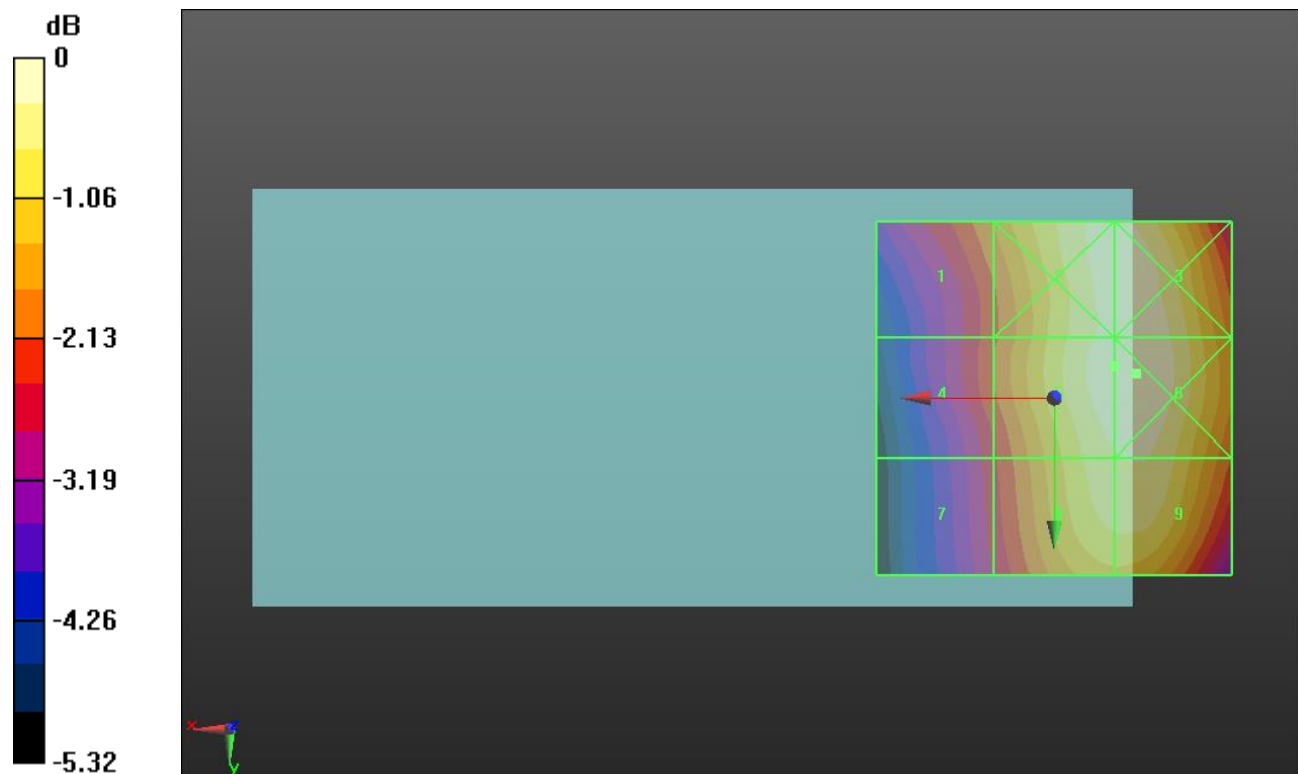
Applied MIF = 3.63 dB

RF audio interference level = 38.31 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 36.65 dBV/m	Grid 2 M4 38.23 dBV/m	Grid 3 M4 38.3 dBV/m
Grid 4 M4 36.26 dBV/m	Grid 5 M4 38.31 dBV/m	Grid 6 M4 38.37 dBV/m
Grid 7 M4 35.84 dBV/m	Grid 8 M4 37.98 dBV/m	Grid 9 M4 38.03 dBV/m



0 dB = 82.89 V/m = 38.37 dBV/m

HAC-RF Emission LAT

Communication System: UID 10021 - CAA, GSM-FDD (TDMA, GMSK); Frequency: 848.6 MHz; Duty Cycle: 1:8

Phantom section: RF Section

DASY5 Configuration:

- Probe: ER3DV6 - SN2339; ConvF(1, 1, 1); Calibrated: 2/26/2015;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1380; Calibrated: 7/13/2015
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7331)

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 = 63.31 V/m; Power Drift = -0.03 dB

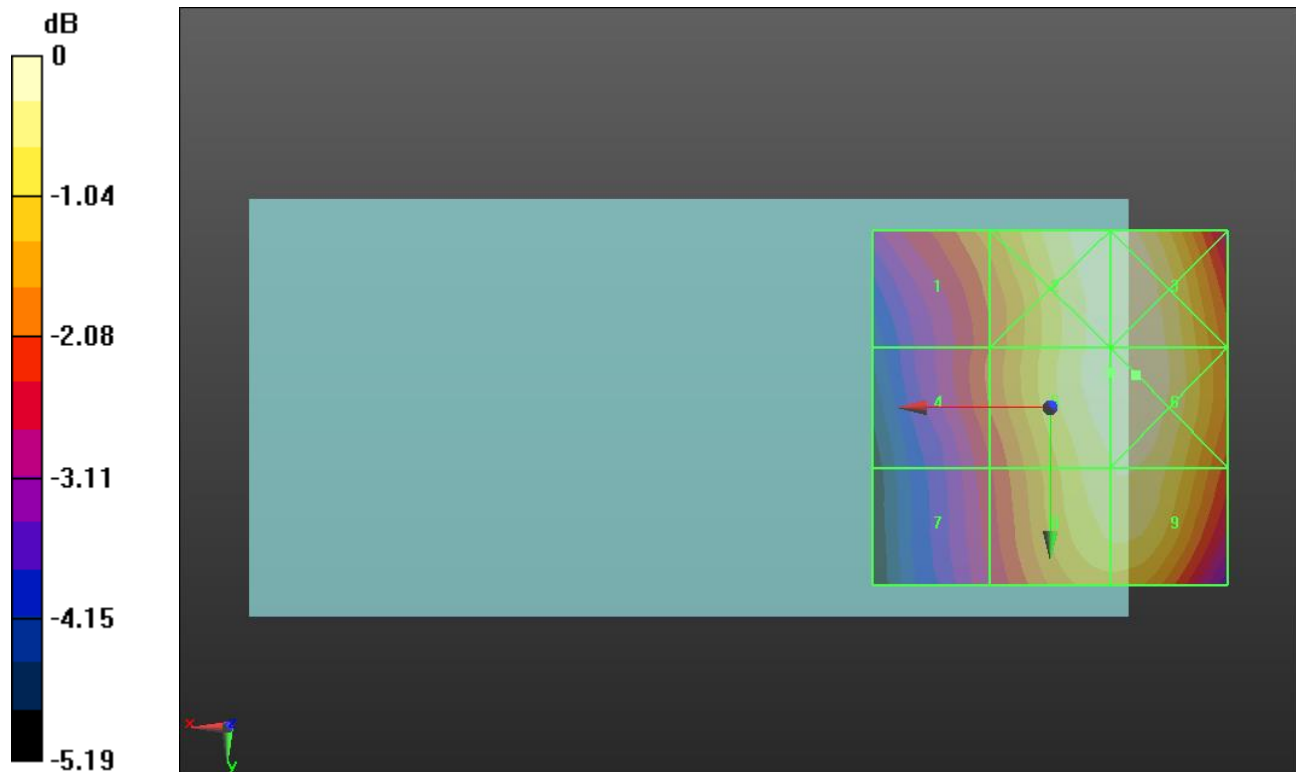
Applied MIF = 3.63 dB

RF audio interference level = 38.53 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 37.09 dBV/m	Grid 2 M4 38.52 dBV/m	Grid 3 M4 38.54 dBV/m
Grid 4 M4 36.61 dBV/m	Grid 5 M4 38.53 dBV/m	Grid 6 M4 38.58 dBV/m
Grid 7 M4 36.14 dBV/m	Grid 8 M4 38.21 dBV/m	Grid 9 M4 38.26 dBV/m



0 dB = 84.91 V/m = 38.58 dBV/m

HAC-RF Emission LAT

Communication System: UID 10021 - CAA, GSM-FDD (TDMA, GMSK); Frequency: 1850.2 MHz; Duty Cycle: 1:8

Phantom section: RF Section

DASY5 Configuration:

- Probe: ER3DV6 - SN2339; ConvF(1, 1, 1); Calibrated: 2/26/2015;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1380; Calibrated: 7/13/2015
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7331)

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 = 7.497 V/m; Power Drift = 0.04 dB

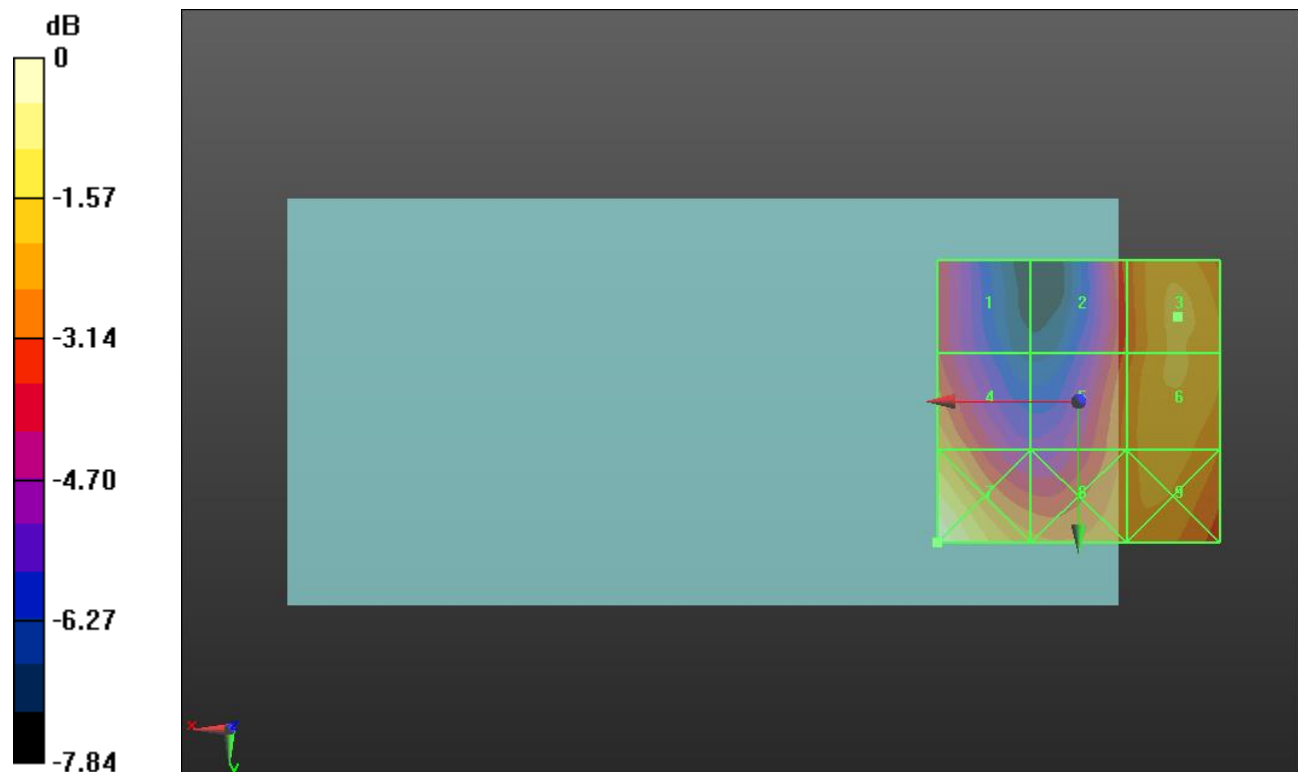
Applied MIF = 3.63 dB

RF audio interference level = 23.03 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 20.93 dBV/m	Grid 2 M4 21.56 dBV/m	Grid 3 M4 23.03 dBV/m
Grid 4 M4 22.48 dBV/m	Grid 5 M4 22.1 dBV/m	Grid 6 M4 22.99 dBV/m
Grid 7 M4 24.47 dBV/m	Grid 8 M4 22.25 dBV/m	Grid 9 M4 22.66 dBV/m



0 dB = 16.74 V/m = 24.48 dBV/m

HAC-RF Emission LAT

Communication System: UID 10021 - CAA, GSM-FDD (TDMA, GMSK); Frequency: 1880 MHz; Duty Cycle: 1:8

Phantom section: RF Section

DASY5 Configuration:

- Probe: ER3DV6 - SN2339; ConvF(1, 1, 1); Calibrated: 2/26/2015;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1380; Calibrated: 7/13/2015
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.8 (7);SEMCAD X Version 14.6.10 (7331)

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 = 6.819 V/m; Power Drift = -0.07 dB

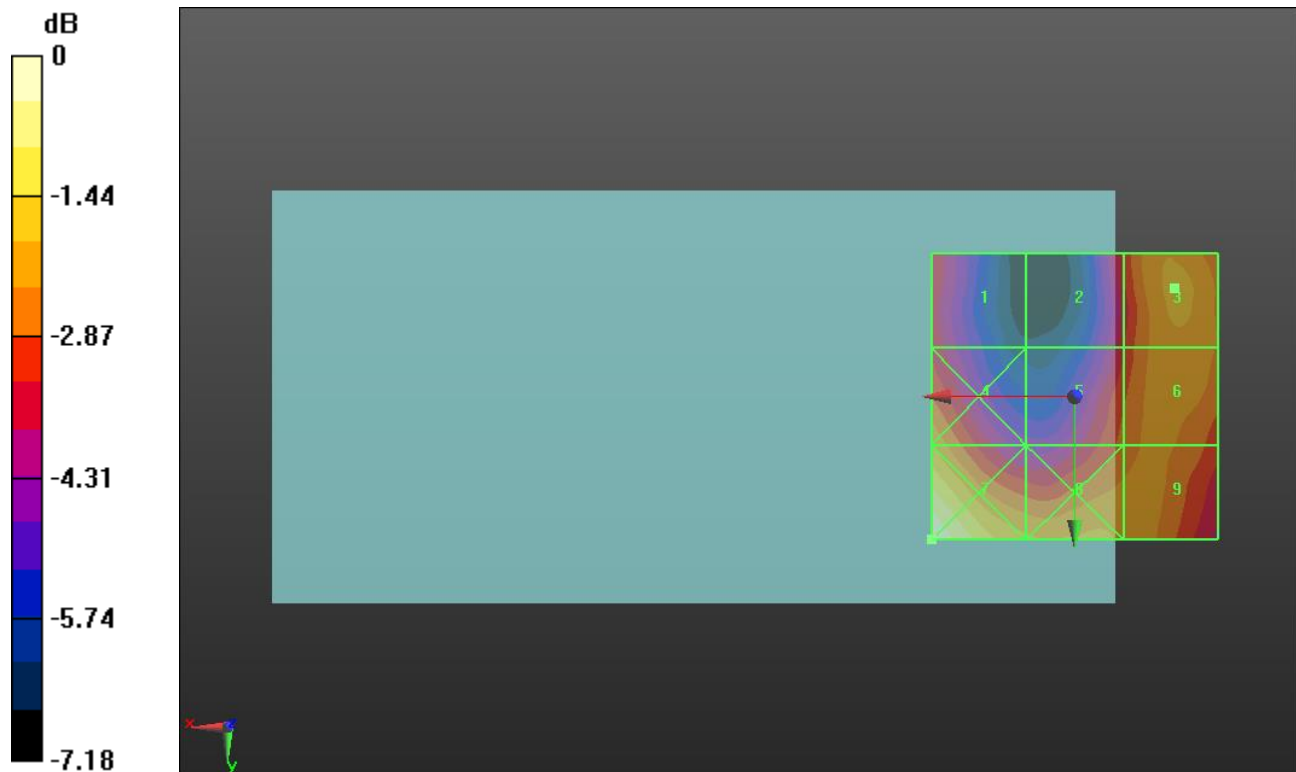
Applied MIF = 3.63 dB

RF audio interference level = 22.01 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 20.49 dBV/m	Grid 2 M4 20.56 dBV/m	Grid 3 M4 22.01 dBV/m
Grid 4 M4 21.93 dBV/m	Grid 5 M4 21.14 dBV/m	Grid 6 M4 21.82 dBV/m
Grid 7 M4 23.8 dBV/m	Grid 8 M4 22.05 dBV/m	Grid 9 M4 21.77 dBV/m



0 dB = 15.49 V/m = 23.80 dBV/m

HAC-RF Emission LAT

Communication System: UID 10021 - CAA, GSM-FDD (TDMA, GMSK); Frequency: 1909.8 MHz; Duty Cycle: 1:8

Phantom section: RF Section

DASY5 Configuration:

- Probe: ER3DV6 - SN2339; ConvF(1, 1, 1); Calibrated: 2/26/2015;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1380; Calibrated: 7/13/2015
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.8 (7);SEMCAD X Version 14.6.10 (7331)

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 = 6.887 V/m; Power Drift = -0.01 dB

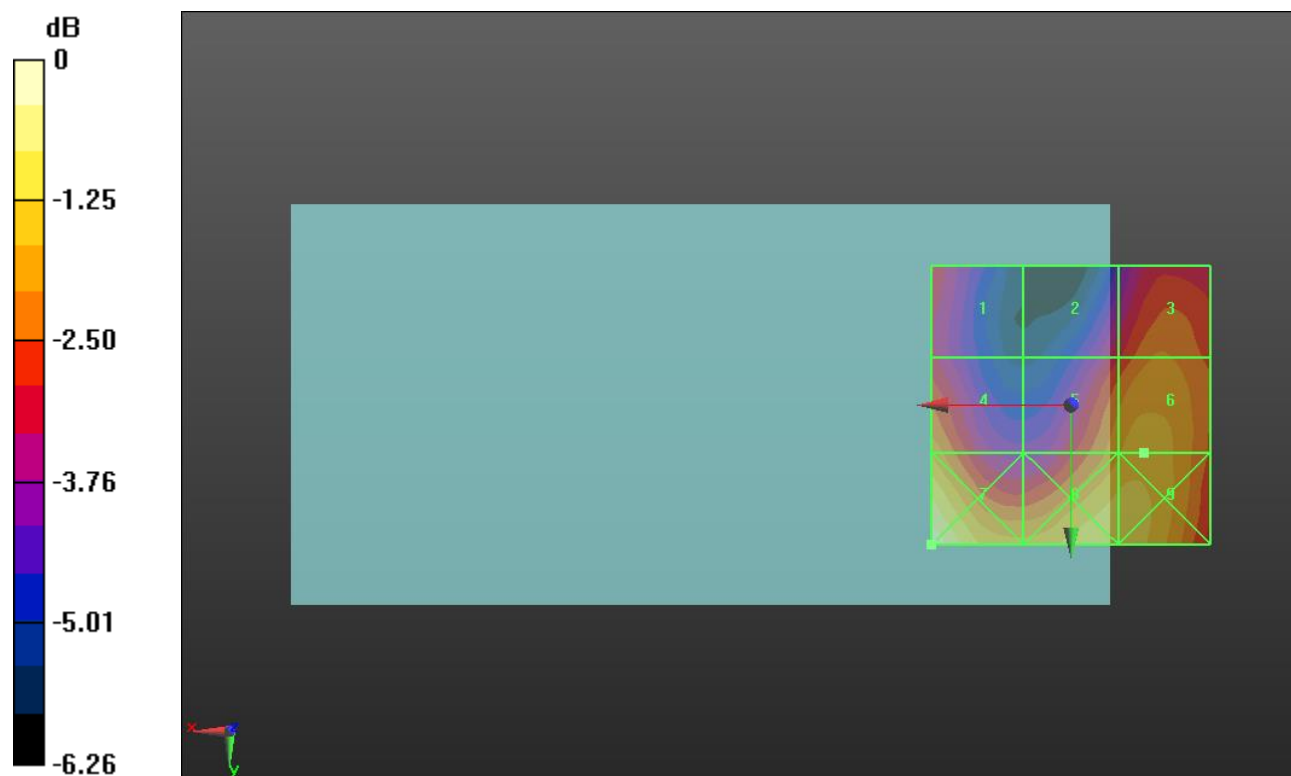
Applied MIF = 3.63 dB

RF audio interference level = 21.57 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 20.2 dBV/m	Grid 2 M4 20.04 dBV/m	Grid 3 M4 20.98 dBV/m
Grid 4 M4 21.26 dBV/m	Grid 5 M4 21.28 dBV/m	Grid 6 M4 21.57 dBV/m
Grid 7 M4 23 dBV/m	Grid 8 M4 22.07 dBV/m	Grid 9 M4 22.04 dBV/m



0 dB = 14.12 V/m = 23.00 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: 1:1

Phantom section: RF Section

DASY5 Configuration:

- Probe: ER3DV6 - SN2339; ConvF(1, 1, 1); Calibrated: 2/26/2015;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1380; Calibrated: 7/13/2015
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.8 (7);SEMCAD X Version 14.6.10 (7331)

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 = 23.38 V/m; Power Drift = 0.03 dB

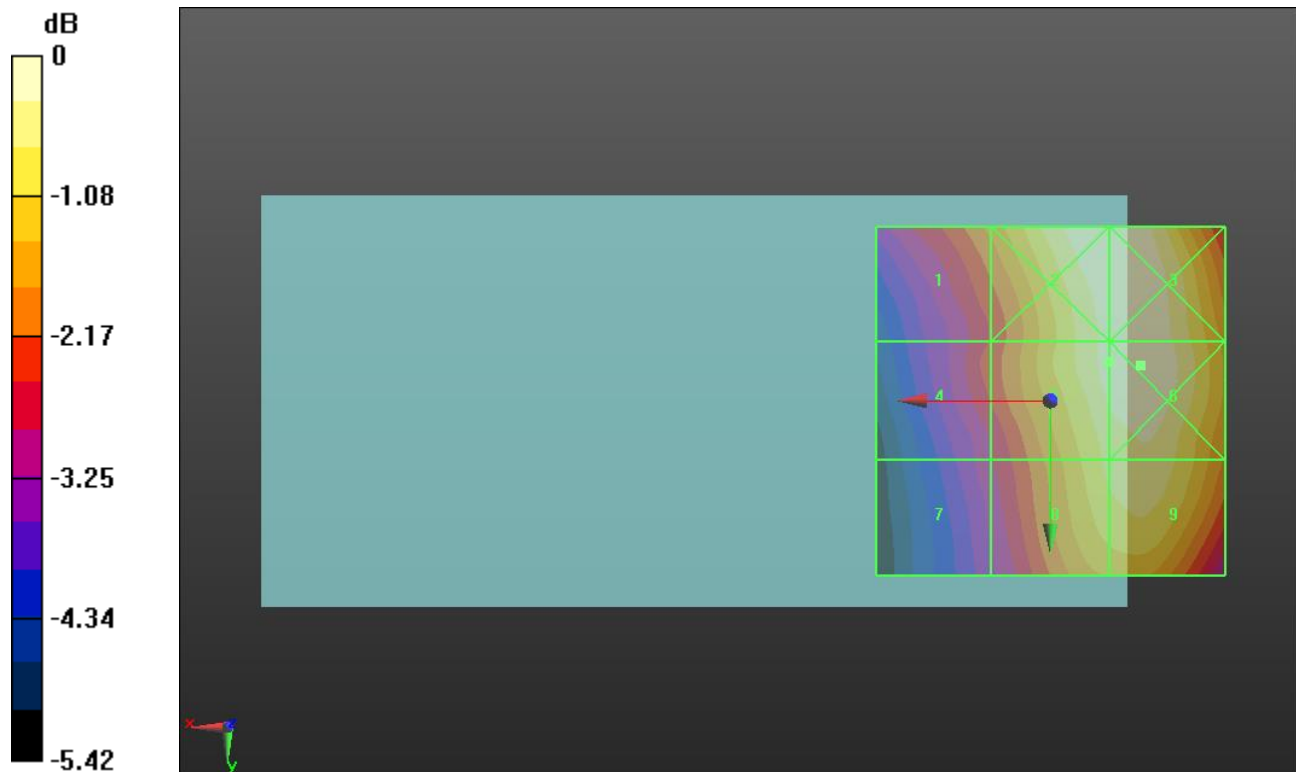
Applied MIF = 3.26 dB

RF audio interference level = 29.98 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 28.5 dBV/m	Grid 2 M4 30.11 dBV/m	Grid 3 M4 30.12 dBV/m
Grid 4 M4 27.84 dBV/m	Grid 5 M4 29.98 dBV/m	Grid 6 M4 30.16 dBV/m
Grid 7 M4 27.24 dBV/m	Grid 8 M4 29.56 dBV/m	Grid 9 M4 29.73 dBV/m



0 dB = 32.20 V/m = 30.16 dBV/m

HAC-RF Emission LAT

Communication System: UID 10295 - AAB, CDMA2000, RC1, SO3, 1/8th Rate 25 fr.; Frequency: 831.99 MHz; Duty Cycle: 1:1

Phantom section: RF Section

DASY5 Configuration:

- Probe: ER3DV6 - SN2339; ConvF(1, 1, 1); Calibrated: 2/26/2015;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1380; Calibrated: 7/13/2015
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7331)

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 = 24.07 V/m; Power Drift = 0.01 dB

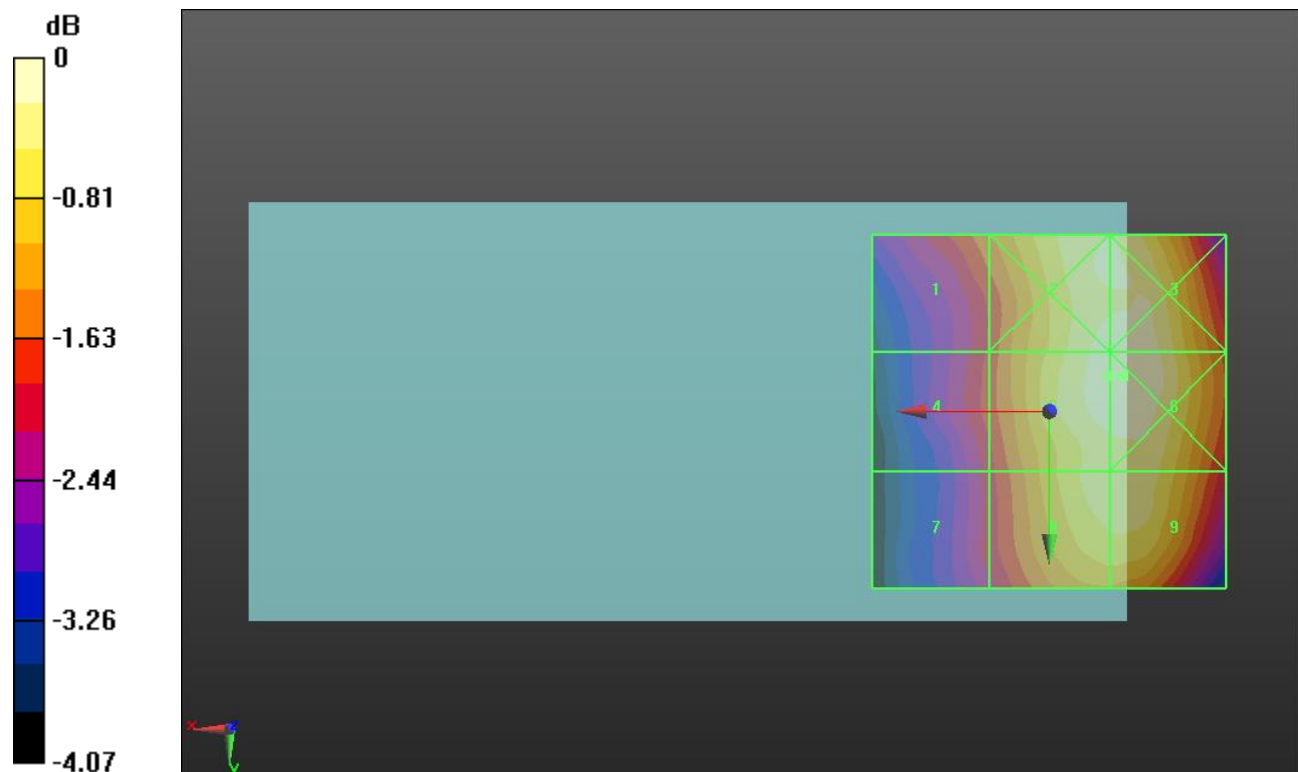
Applied MIF = 3.26 dB

RF audio interference level = 29.55 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 28.2 dBV/m	Grid 2 M4 29.48 dBV/m	Grid 3 M4 29.53 dBV/m
Grid 4 M4 27.85 dBV/m	Grid 5 M4 29.55 dBV/m	Grid 6 M4 29.59 dBV/m
Grid 7 M4 27.59 dBV/m	Grid 8 M4 29.27 dBV/m	Grid 9 M4 29.31 dBV/m



0 dB = 30.17 V/m = 29.59 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: 1:1

Phantom section: RF Section

DASY5 Configuration:

- Probe: ER3DV6 - SN2339; ConvF(1, 1, 1); Calibrated: 2/26/2015;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1380; Calibrated: 7/13/2015
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7331)

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 = 26.13 V/m; Power Drift = -0.03 dB

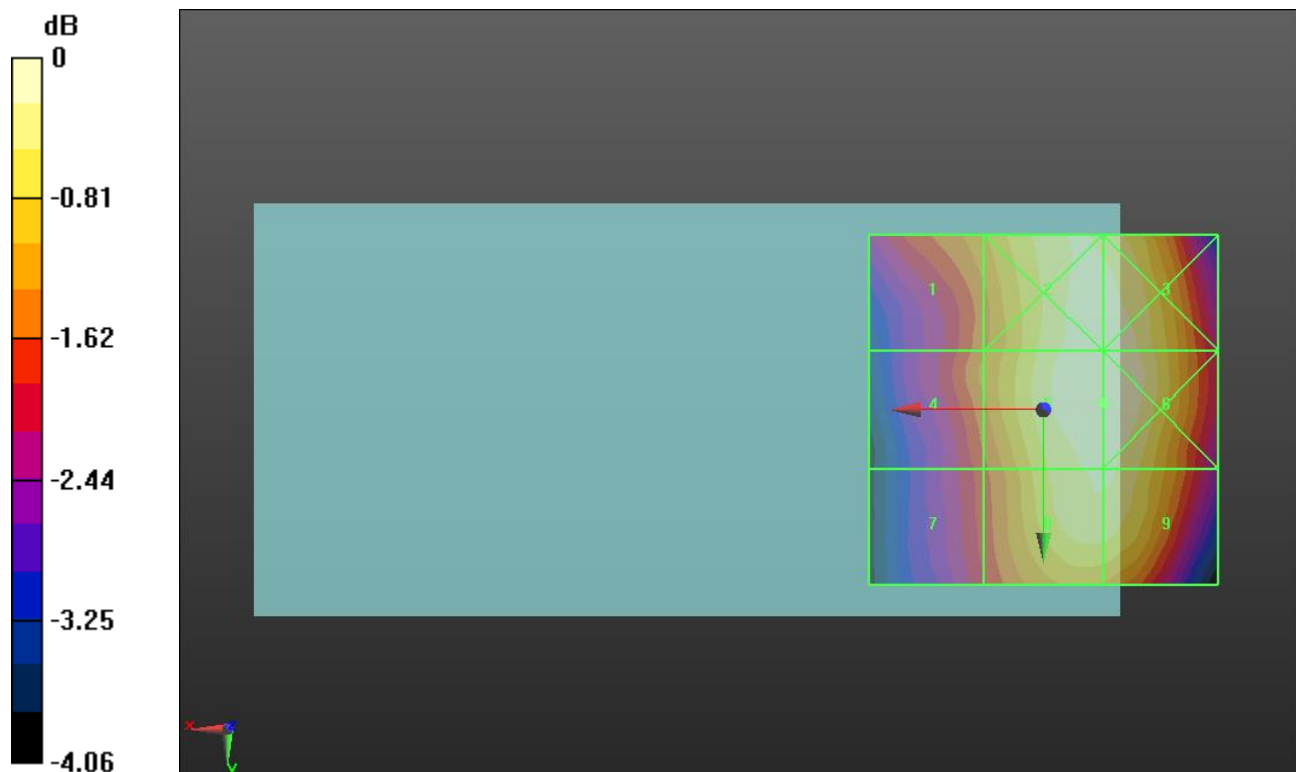
Applied MIF = 3.26 dB

RF audio interference level = 29.99 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 28.87 dBV/m	Grid 2 M4 29.95 dBV/m	Grid 3 M4 29.96 dBV/m
Grid 4 M4 28.73 dBV/m	Grid 5 M4 29.99 dBV/m	Grid 6 M4 29.99 dBV/m
Grid 7 M4 28.3 dBV/m	Grid 8 M4 29.77 dBV/m	Grid 9 M4 29.77 dBV/m



0 dB = 31.58 V/m = 29.99 dBV/m

HAC-RF Emission LAT

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

Phantom section: RF Section

DASY5 Configuration:

- Probe: ER3DV6 - SN2339; ConvF(1, 1, 1); Calibrated: 2/26/2015;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1380; Calibrated: 7/13/2015
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7331)

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 = 13.99 V/m; Power Drift = 0.01 dB

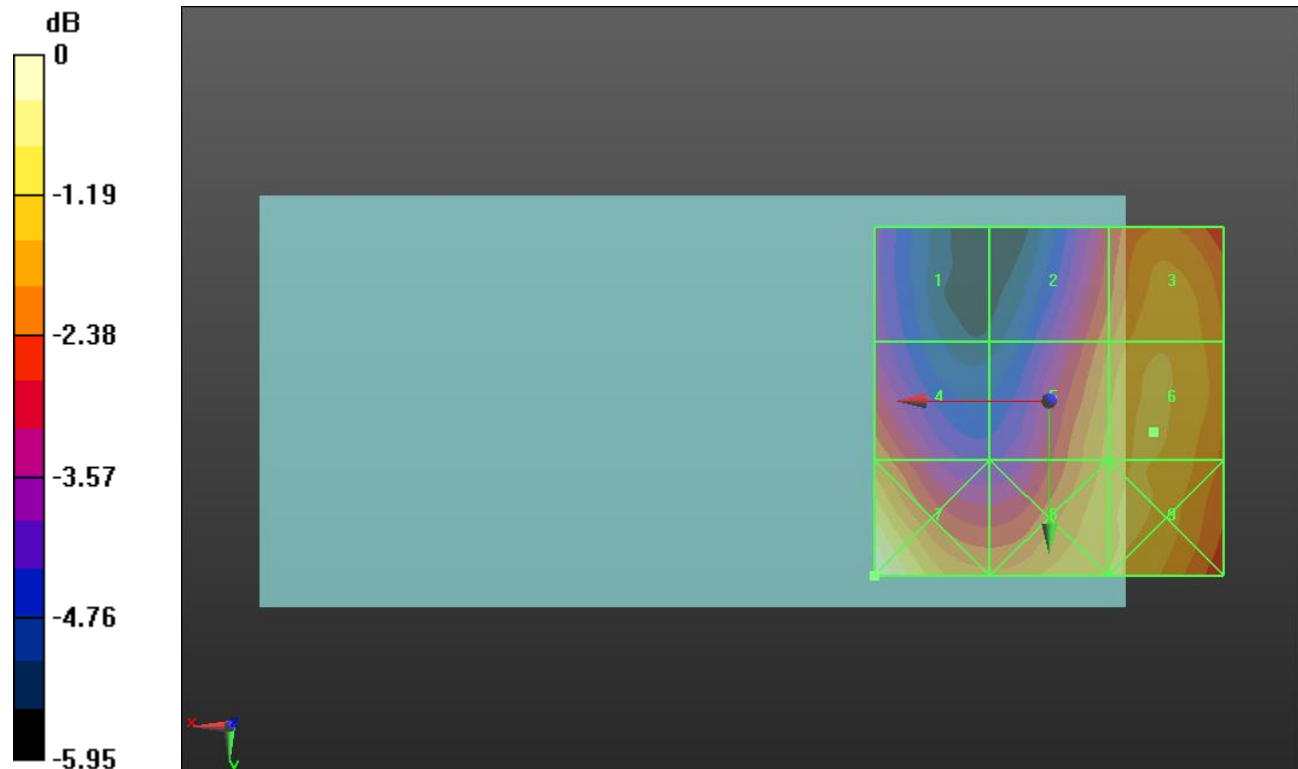
Applied MIF = 3.26 dB

RF audio interference level = 26.86 dBV/m

Emission category: **M4**

MIF scaled E-field

Grid 1 M4 24.42 dBV/m	Grid 2 M4 25.91 dBV/m	Grid 3 M4 26.74 dBV/m
Grid 4 M4 26.1 dBV/m	Grid 5 M4 26.54 dBV/m	Grid 6 M4 26.86 dBV/m
Grid 7 M4 27.98 dBV/m	Grid 8 M4 26.81 dBV/m	Grid 9 M4 26.84 dBV/m



0 dB = 25.05 V/m = 27.98 dBV/m

HAC-RF Emission LAT

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

Phantom section: RF Section

DASY5 Configuration:

- Probe: ER3DV6 - SN2339; ConvF(1, 1, 1); Calibrated: 2/26/2015;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1380; Calibrated: 7/13/2015
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7331)

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 = 14.63 V/m; Power Drift = -0.04 dB

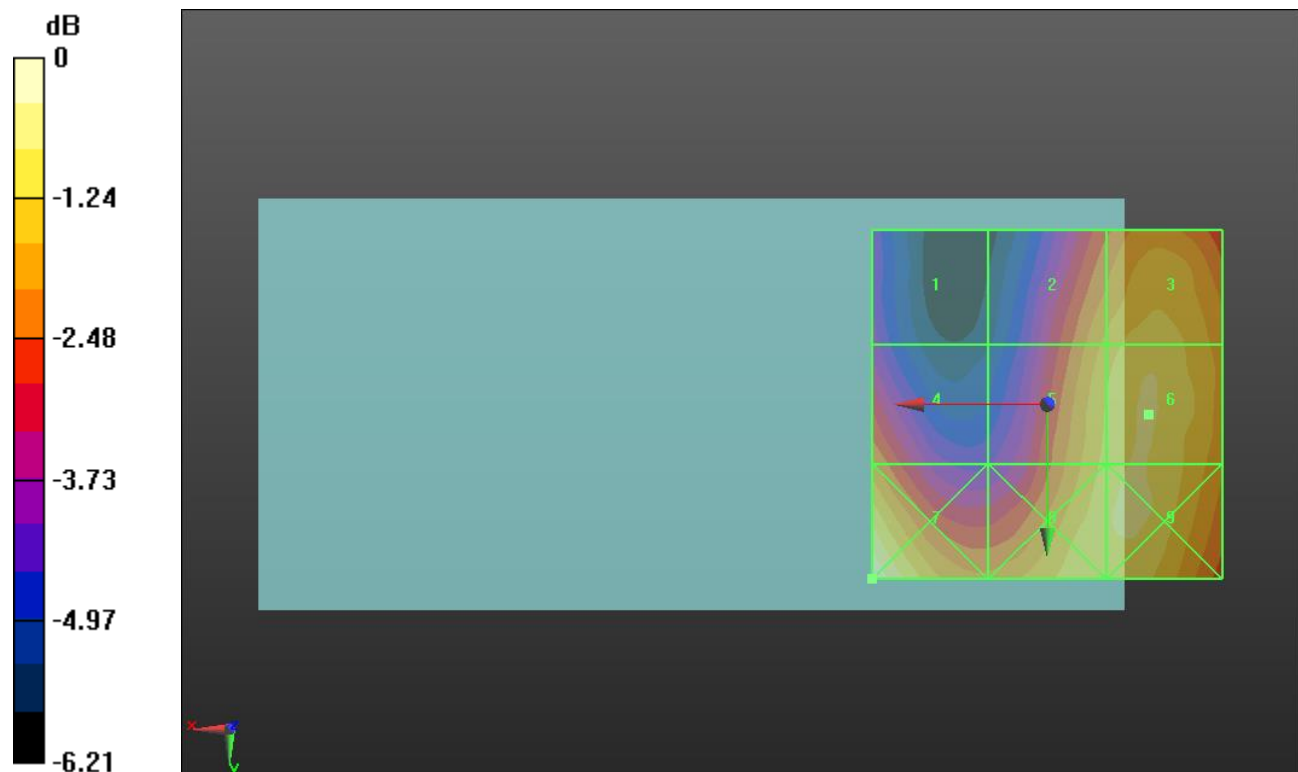
Applied MIF = 3.26 dB

RF audio interference level = 27.18 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 24.17 dBV/m	Grid 2 M4 26.47 dBV/m	Grid 3 M4 26.94 dBV/m
Grid 4 M4 26.02 dBV/m	Grid 5 M4 26.9 dBV/m	Grid 6 M4 27.18 dBV/m
Grid 7 M4 27.98 dBV/m	Grid 8 M4 27.15 dBV/m	Grid 9 M4 27.24 dBV/m



0 dB = 25.06 V/m = 27.98 dBV/m

HAC-RF Emission LAT

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

Phantom section: RF Section

DASY5 Configuration:

- Probe: ER3DV6 - SN2339; ConvF(1, 1, 1); Calibrated: 2/26/2015;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1380; Calibrated: 7/13/2015
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7331)

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 = 14.55 V/m; Power Drift = -0.09 dB

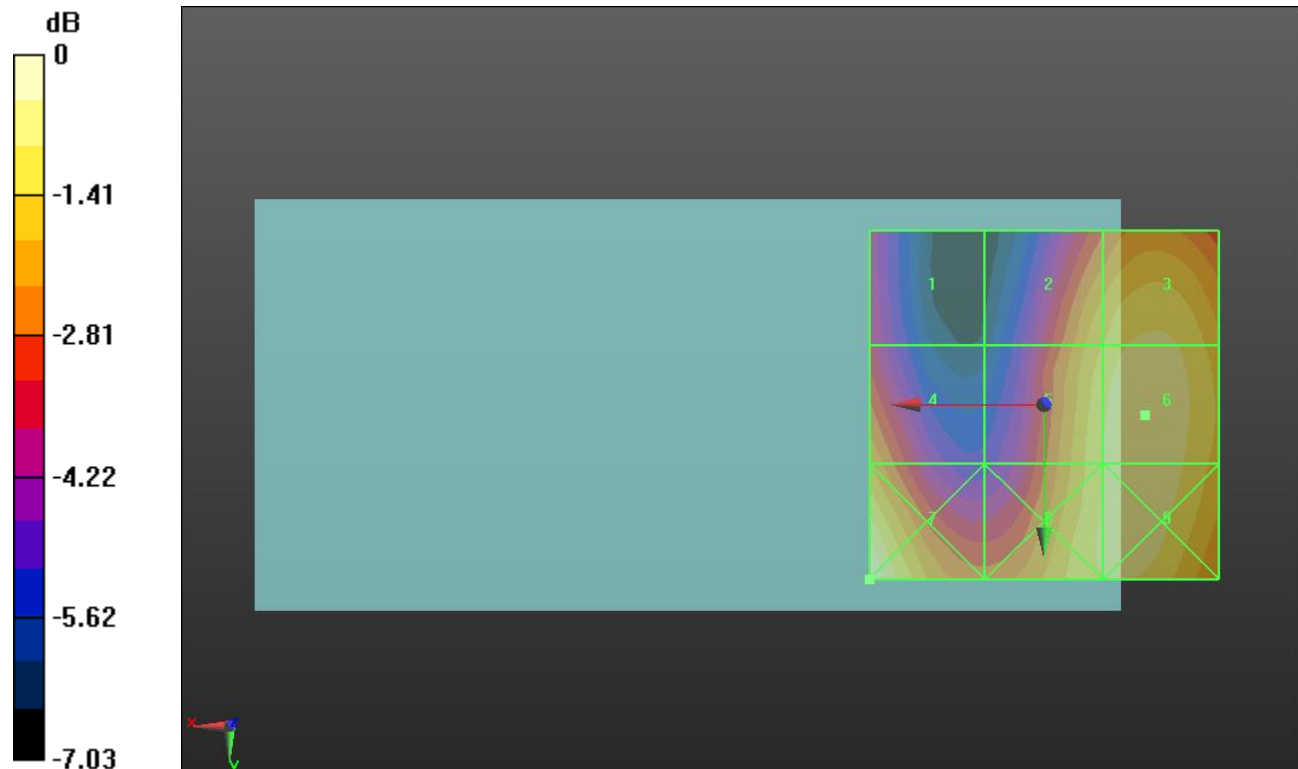
Applied MIF = 3.26 dB

RF audio interference level = 27.54 dBV/m

Emission category: **M4**

MIF scaled E-field

Grid 1 M4 24.48 dBV/m	Grid 2 M4 26.64 dBV/m	Grid 3 M4 27.21 dBV/m
Grid 4 M4 26.21 dBV/m	Grid 5 M4 27.1 dBV/m	Grid 6 M4 27.54 dBV/m
Grid 7 M4 28.01 dBV/m	Grid 8 M4 27.18 dBV/m	Grid 9 M4 27.47 dBV/m



0 dB = 25.15 V/m = 28.01 dBV/m

HAC-RF Emission LAT

Communication System: UID 10295 - AAB, CDMA2000, RC1, SO3, 1/8th Rate 25 fr.; Frequency: 817.9 MHz; Duty Cycle: 1:1

Phantom section: RF Section

DASY5 Configuration:

- Probe: ER3DV6 - SN2339; ConvF(1, 1, 1); Calibrated: 2/26/2015;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1380; Calibrated: 7/13/2015
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7331)

CDMA BC10 E-Field measurement/RC1_SO3_ch 476/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 = 22.53 V/m; Power Drift = -0.06 dB

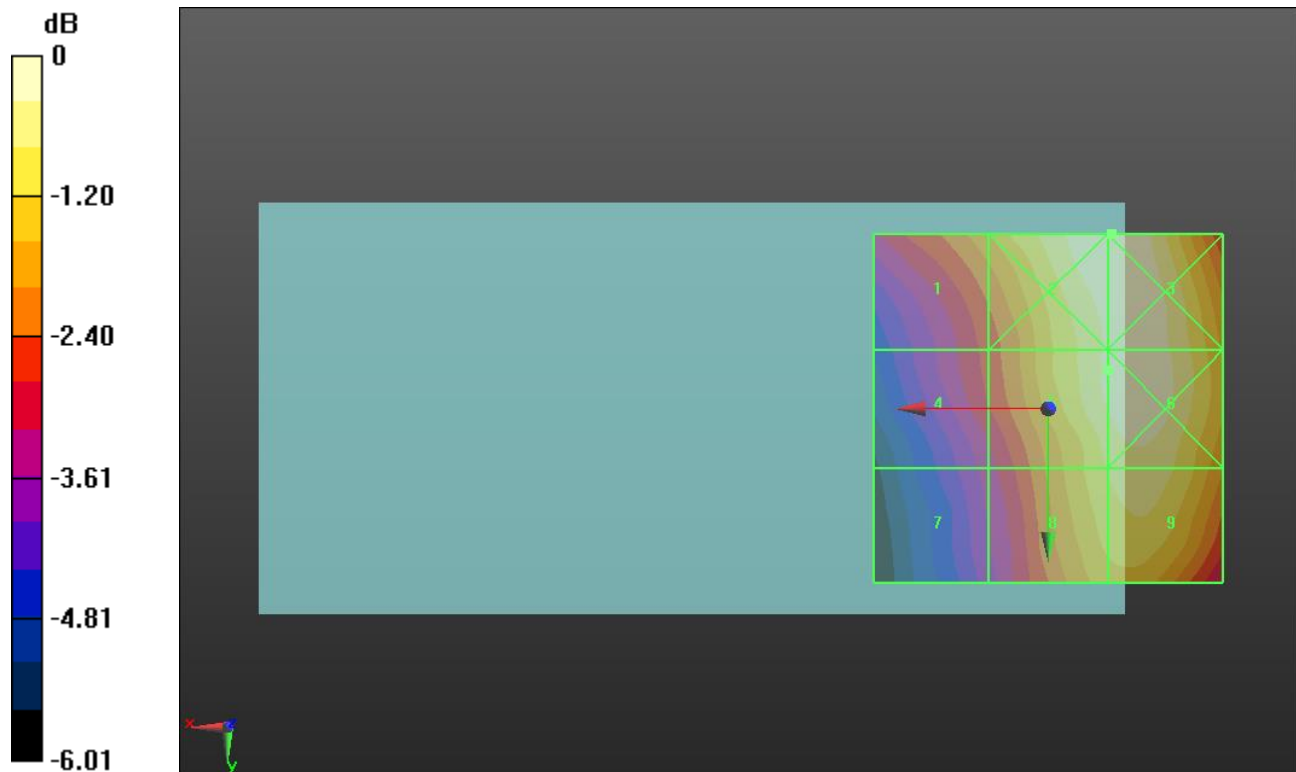
Applied MIF = 3.26 dB

RF audio interference level = 29.78 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 28.42 dBV/m	Grid 2 M4 30.03 dBV/m	Grid 3 M4 30.04 dBV/m
Grid 4 M4 27.43 dBV/m	Grid 5 M4 29.78 dBV/m	Grid 6 M4 29.97 dBV/m
Grid 7 M4 26.69 dBV/m	Grid 8 M4 29.26 dBV/m	Grid 9 M4 29.51 dBV/m



0 dB = 31.75 V/m = 30.03 dBV/m

HAC-RF Emission LAT

Communication System: UID 10295 - AAB, CDMA2000, RC1, SO3, 1/8th Rate 25 fr.; Frequency: 820.5 MHz; Duty Cycle: 1:1

Phantom section: RF Section

DASY5 Configuration:

- Probe: ER3DV6 - SN2339; ConvF(1, 1, 1); Calibrated: 2/26/2015;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1380; Calibrated: 7/13/2015
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7331)

CDMA BC10 E-Field measurement/RC1_SO3__ch 580/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 = 22.97 V/m; Power Drift = 0.07 dB

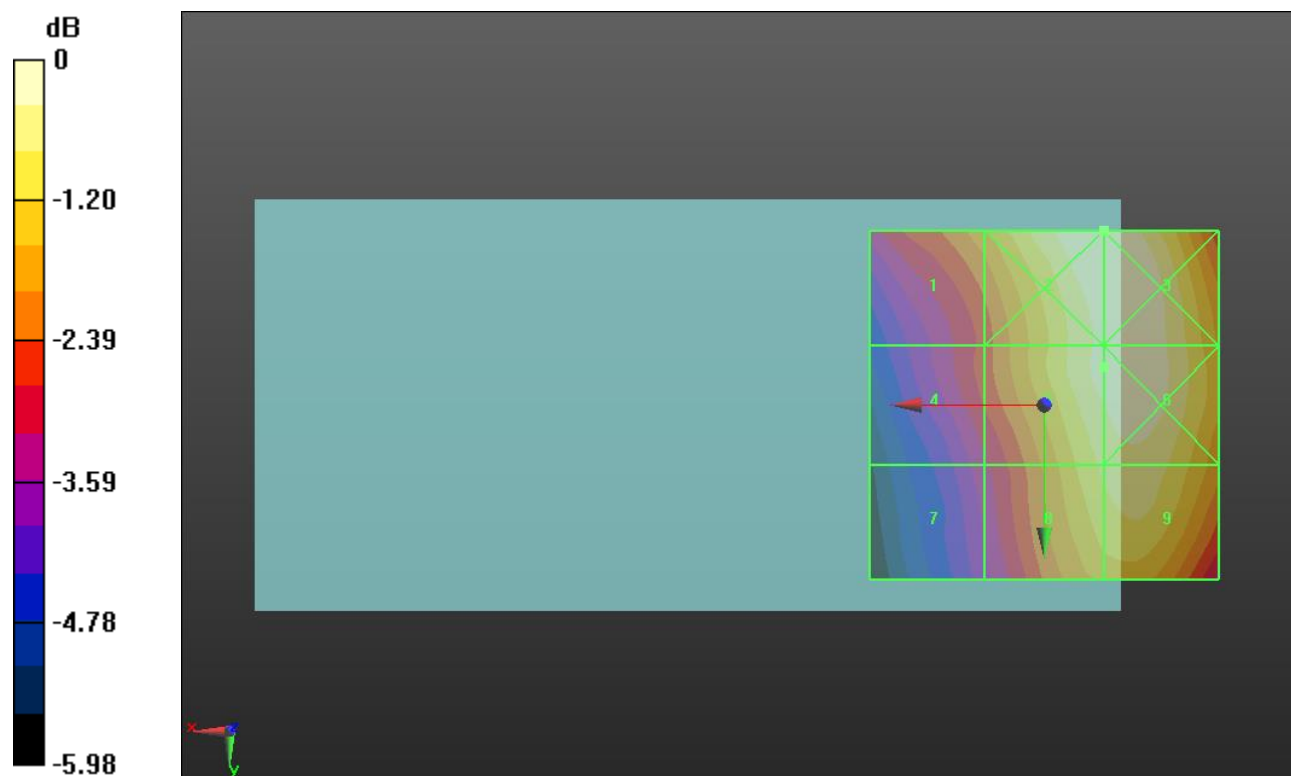
Applied MIF = 3.26 dB

RF audio interference level = 29.98 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 28.54 dBV/m	Grid 2 M4 30.19 dBV/m	Grid 3 M4 30.19 dBV/m
Grid 4 M4 27.65 dBV/m	Grid 5 M4 29.98 dBV/m	Grid 6 M4 30.14 dBV/m
Grid 7 M4 26.93 dBV/m	Grid 8 M4 29.49 dBV/m	Grid 9 M4 29.68 dBV/m



0 dB = 32.32 V/m = 30.19 dBV/m

HAC-RF Emission LAT

Communication System: UID 10295 - AAB, CDMA2000, RC1, SO3, 1/8th Rate 25 fr.; Frequency: 822.75 MHz; Duty Cycle: 1:1
Phantom section: RF Section
DASY5 Configuration:
- Probe: ER3DV6 - SN2339; ConvF(1, 1, 1); Calibrated: 2/26/2015;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1380; Calibrated: 7/13/2015
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7331)

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 = 23.46 V/m; Power Drift = 0.08 dB

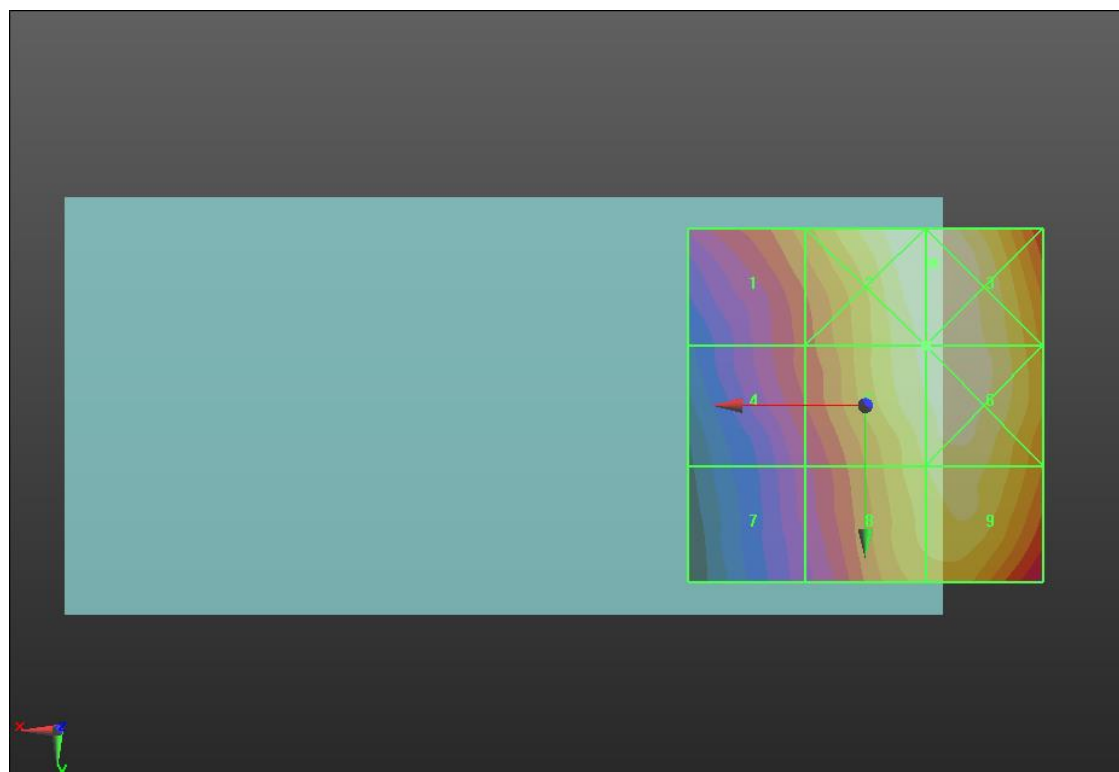
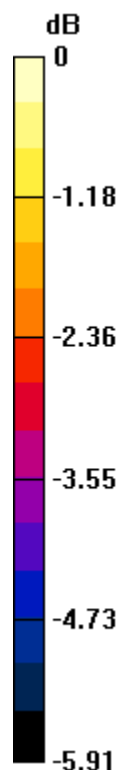
Applied MIF = 3.26 dB

RF audio interference level = 30.14 dBV/m

Emission category: **M4**

MIF scaled E-field

Grid 1 M4 28.7 dBV/m	Grid 2 M4 30.4 dBV/m	Grid 3 M4 30.42 dBV/m
Grid 4 M4 27.88 dBV/m	Grid 5 M4 30.14 dBV/m	Grid 6 M4 30.33 dBV/m
Grid 7 M4 27.17 dBV/m	Grid 8 M4 29.64 dBV/m	Grid 9 M4 29.86 dBV/m



0 dB = 33.20 V/m = 30.42 dBV/m

HAC-RF Emission LAT

Communication System: UID 10295 - AAB, CDMA2000, RC1, SO3, 1/8th Rate 25 fr.; Frequency: 1711.25 MHz; Duty Cycle: 1:1

Phantom section: RF Section

DASY5 Configuration:

- Probe: ER3DV6 - SN2339; ConvF(1, 1, 1); Calibrated: 2/26/2015;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1380; Calibrated: 7/13/2015
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7331)

CDMA BC15 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 = 11.93 V/m; Power Drift = -0.03 dB

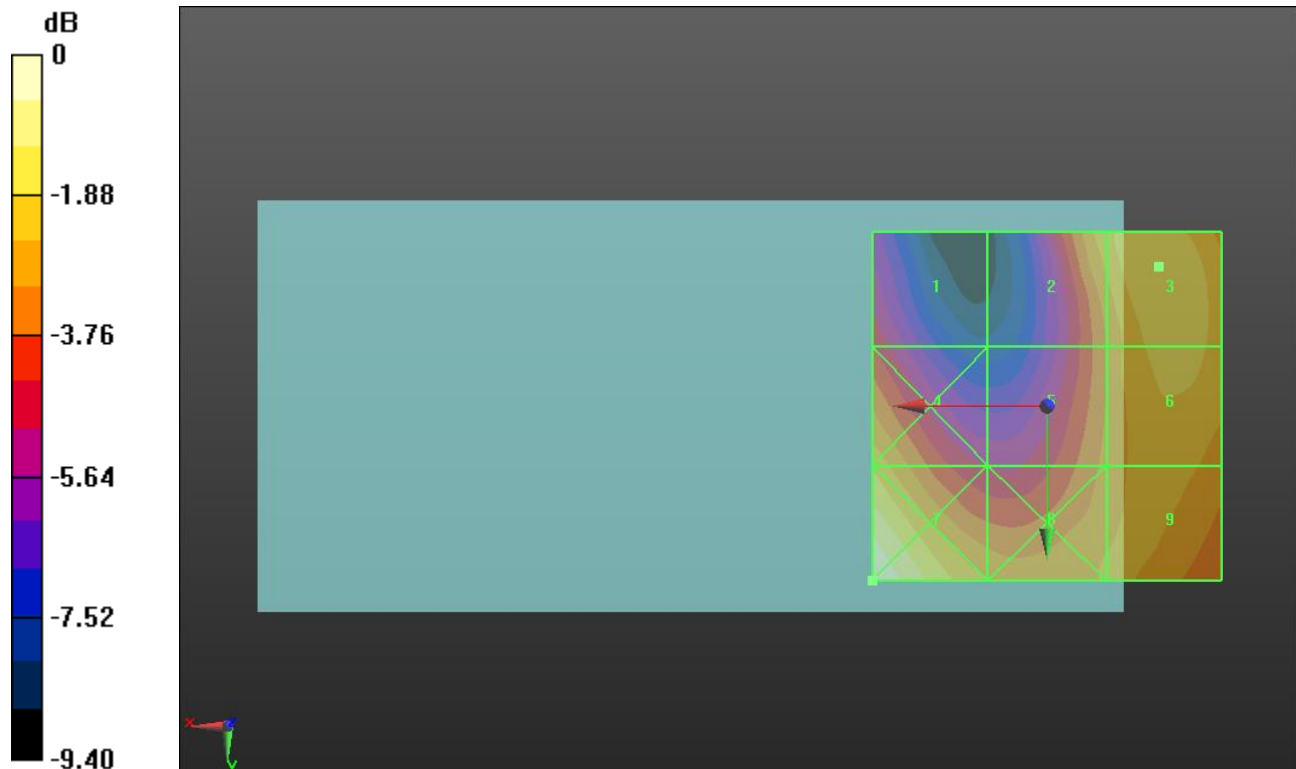
Applied MIF = 3.26 dB

RF audio interference level = 27.15 dBV/m

Emission category: **M4**

MIF scaled E-field

Grid 1 M4 24.14 dBV/m	Grid 2 M4 26.37 dBV/m	Grid 3 M4 27.15 dBV/m
Grid 4 M4 26.48 dBV/m	Grid 5 M4 25.53 dBV/m	Grid 6 M4 26.82 dBV/m
Grid 7 M4 28.43 dBV/m	Grid 8 M4 26.01 dBV/m	Grid 9 M4 26.17 dBV/m



0 dB = 26.40 V/m = 28.43 dBV/m

HAC-RF Emission LAT

Communication System: UID 10295 - AAB, CDMA2000, RC1, SO3, 1/8th Rate 25 fr.; Frequency: 1732.5 MHz; Duty Cycle: 1:1

Phantom section: RF Section

DASY5 Configuration:

- Probe: ER3DV6 - SN2339; ConvF(1, 1, 1); Calibrated: 2/26/2015;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1380; Calibrated: 7/13/2015
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.8 (7);SEMCAD X Version 14.6.10 (7331)

CDMA BC15 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 = 13.48 V/m; Power Drift = -0.02 dB

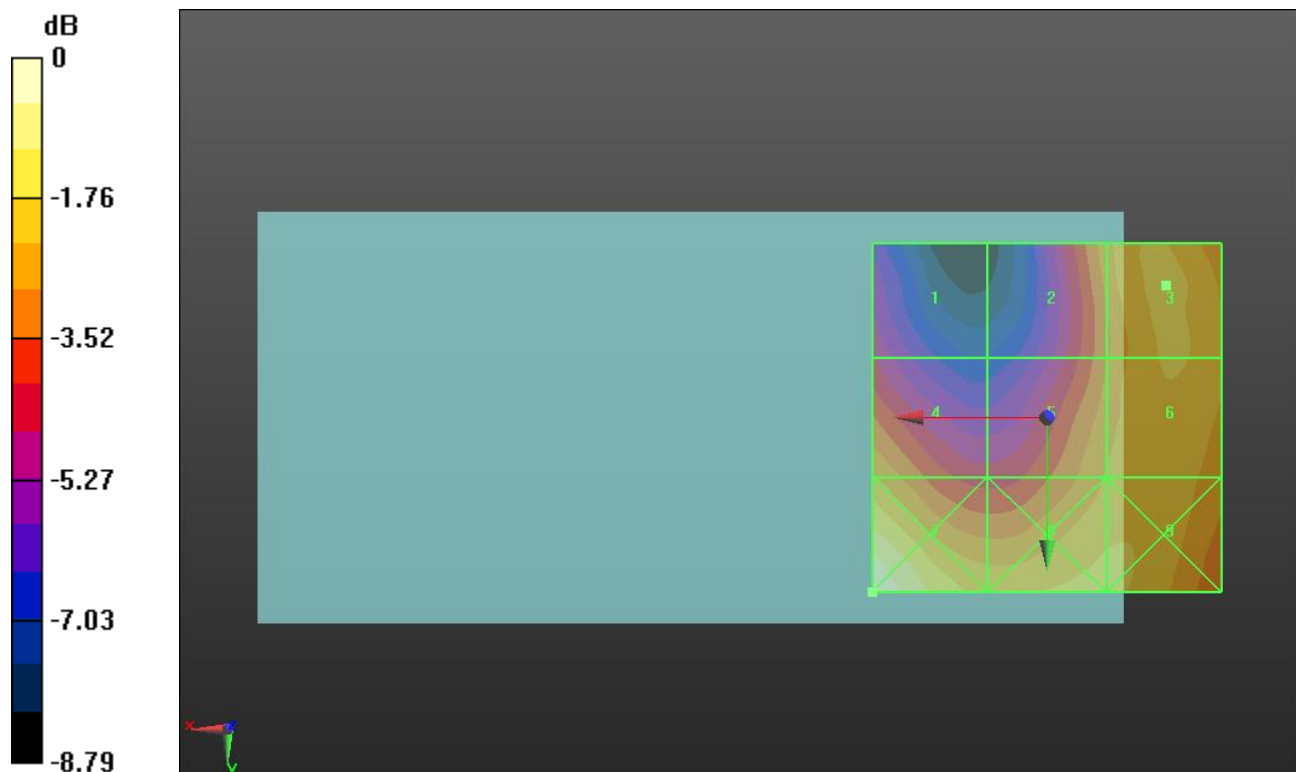
Applied MIF = 3.26 dB

RF audio interference level = 26.83 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 23.89 dBV/m	Grid 2 M4 25.88 dBV/m	Grid 3 M4 26.83 dBV/m
Grid 4 M4 26.21 dBV/m	Grid 5 M4 26.17 dBV/m	Grid 6 M4 26.74 dBV/m
Grid 7 M4 28.44 dBV/m	Grid 8 M4 26.8 dBV/m	Grid 9 M4 26.8 dBV/m



0 dB = 26.41 V/m = 28.44 dBV/m

HAC-RF Emission LAT

Communication System: UID 10295 - AAB, CDMA2000, RC1, SO3, 1/8th Rate 25 fr.; Frequency: 1753.75 MHz; Duty Cycle: 1:1

Phantom section: RF Section

DASY5 Configuration:

- Probe: ER3DV6 - SN2339; ConvF(1, 1, 1); Calibrated: 2/26/2015;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1380; Calibrated: 7/13/2015
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.8 (7);SEMCAD X Version 14.6.10 (7331)

CDMA BC15 E-Field measurement/RC1_SO3__ch 875/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 = 14.65 V/m; Power Drift = 0.04 dB

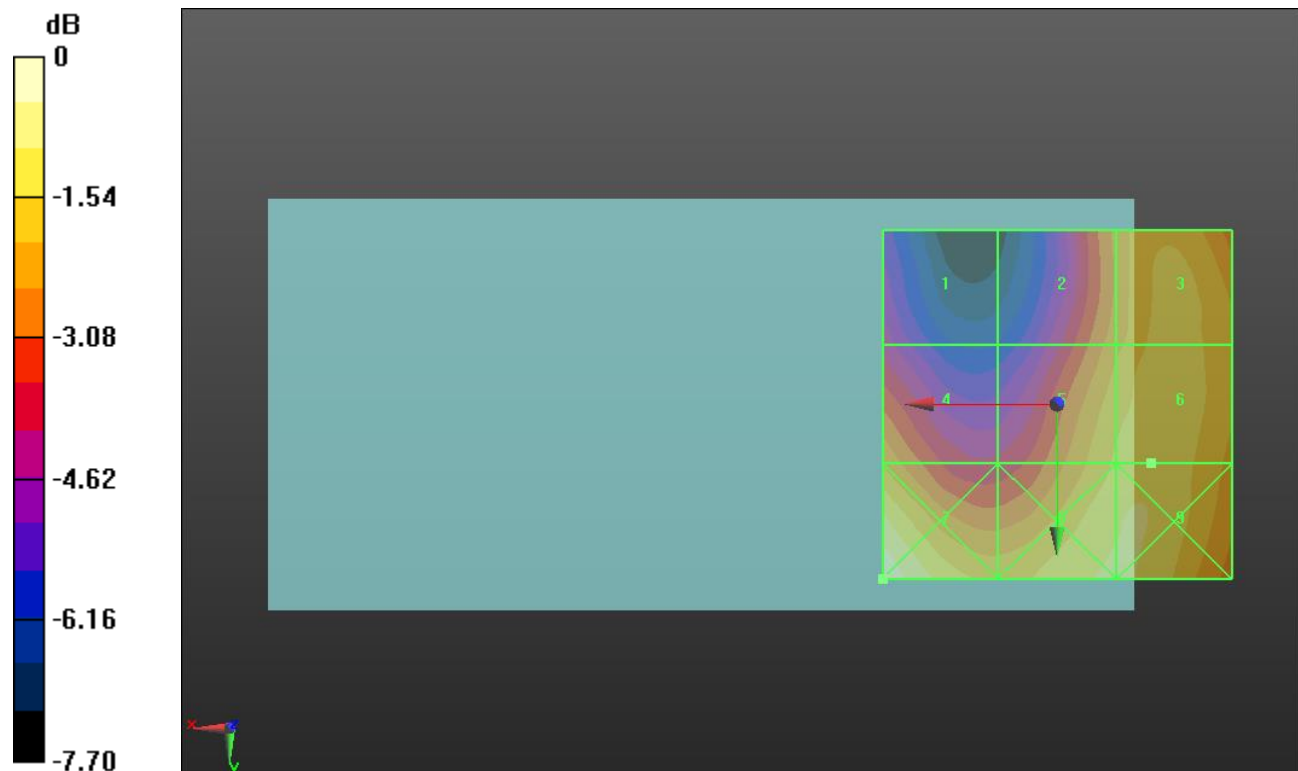
Applied MIF = 3.26 dB

RF audio interference level = 27.10 dBV/m

Emission category: **M4**

MIF scaled E-field

Grid 1 M4 24.06 dBV/m	Grid 2 M4 26.03 dBV/m	Grid 3 M4 26.94 dBV/m
Grid 4 M4 26.18 dBV/m	Grid 5 M4 26.8 dBV/m	Grid 6 M4 27.1 dBV/m
Grid 7 M4 28.24 dBV/m	Grid 8 M4 27.3 dBV/m	Grid 9 M4 27.3 dBV/m



0 dB = 25.82 V/m = 28.24 dBV/m

HAC-RF Emission LAT

Communication System: UID 10173 - CAB, LTE-TDD (SC-FDMA, 1 RB, 20 MHz, 16-QAM); Frequency: 2580 MHz; Duty Cycle: 1:8

Phantom section: RF Section

DASY5 Configuration:

- Probe: ER3DV6 - SN2339; ConvF(1, 1, 1); Calibrated: 2/26/2015;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1380; Calibrated: 7/13/2015
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.8 (7);SEMCAD X Version 14.6.10 (7331)

LTE Band 38 E-Field measurement/LTE TDD_16QAM_RB 1/50_ch 37850/Hearing Aid Compatibility Test (101x101x1):

Interpolated grid: dx=0.5000 mm, dy=0.5000 mm

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 10.46 V/m; Power Drift = 0.01 dB

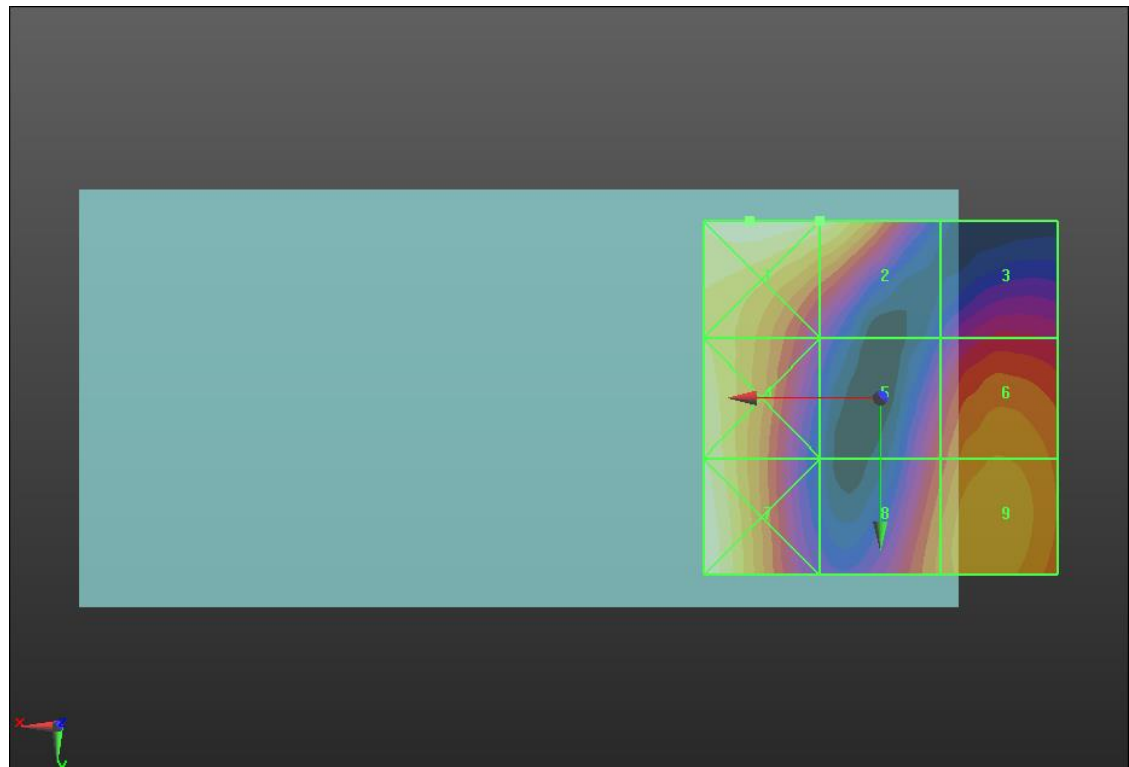
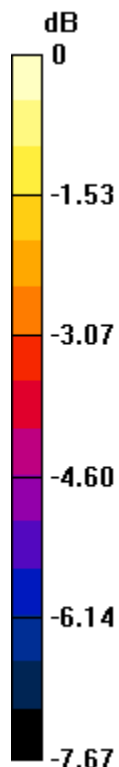
Applied MIF = -1.44 dB

RF audio interference level = 25.34 dBV/m

Emission category: **M4**

MIF scaled E-field

Grid 1 M4 25.97 dBV/m	Grid 2 M4 25.34 dBV/m	Grid 3 M4 22.06 dBV/m
Grid 4 M4 25.55 dBV/m	Grid 5 M4 22.61 dBV/m	Grid 6 M4 23.97 dBV/m
Grid 7 M4 25.97 dBV/m	Grid 8 M4 23.6 dBV/m	Grid 9 M4 24.38 dBV/m



0 dB = 19.89 V/m = 25.97 dBV/m

HAC-RF Emission LAT

Communication System: UID 10173 - CAB, LTE-TDD (SC-FDMA, 1 RB, 20 MHz, 16-QAM); Frequency: 2595 MHz; Duty Cycle: 1:8

Phantom section: RF Section

DASY5 Configuration:

- Probe: ER3DV6 - SN2339; ConvF(1, 1, 1); Calibrated: 2/26/2015;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1380; Calibrated: 7/13/2015
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.8 (7);SEMCAD X Version 14.6.10 (7331)

LTE Band 38 E-Field measurement/LTE TDD_16QAM_RB 1/50_ch 38000/Hearing Aid Compatibility Test (101x101x1):

Interpolated grid: dx=0.5000 mm, dy=0.5000 mm

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 11.26 V/m; Power Drift = -0.03 dB

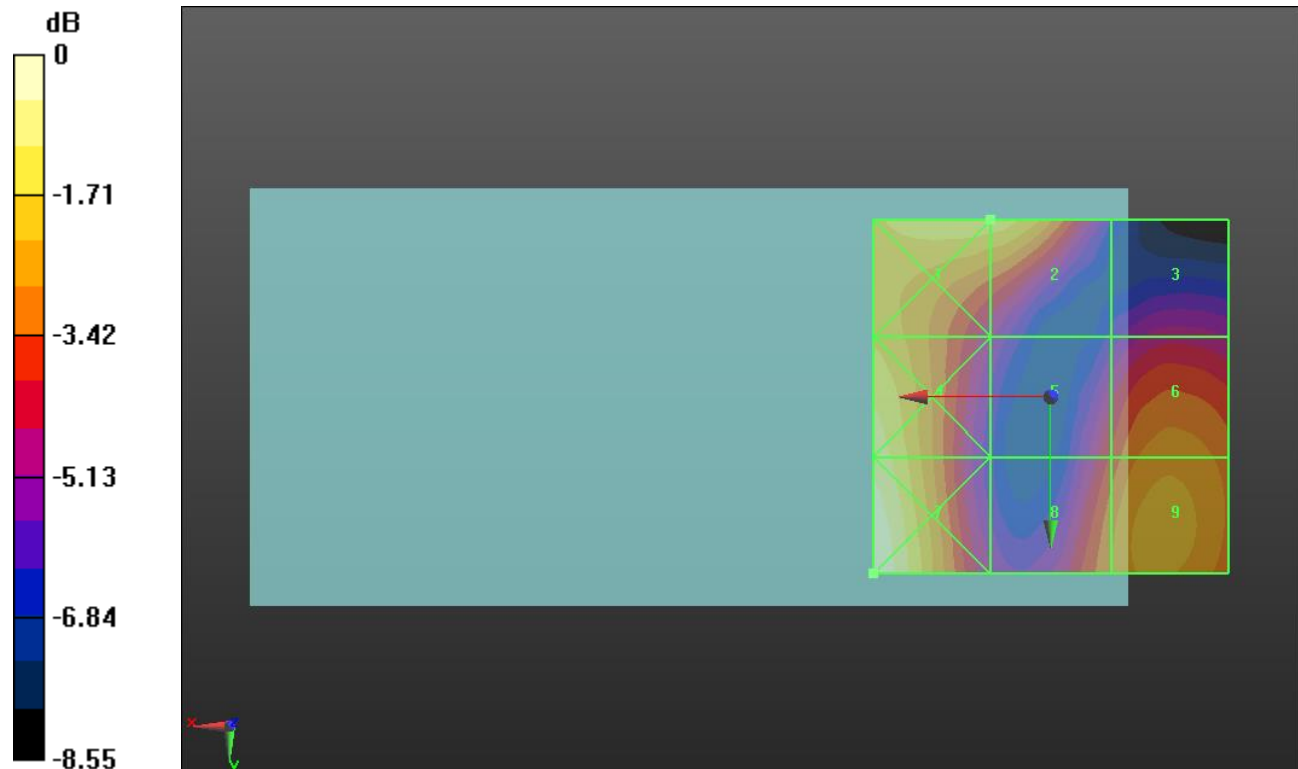
Applied MIF = -1.44 dB

RF audio interference level = 25.18 dBV/m

Emission category: **M4**

MIF scaled E-field

Grid 1 M4 25.32 dBV/m	Grid 2 M4 25.18 dBV/m	Grid 3 M4 21.69 dBV/m
Grid 4 M4 25.69 dBV/m	Grid 5 M4 22.6 dBV/m	Grid 6 M4 23.97 dBV/m
Grid 7 M4 26.43 dBV/m	Grid 8 M4 23.6 dBV/m	Grid 9 M4 24.47 dBV/m



0 dB = 20.97 V/m = 26.43 dBV/m

HAC-RF Emission LAT

Communication System: UID 10173 - CAB, LTE-TDD (SC-FDMA, 1 RB, 20 MHz, 16-QAM); Frequency: 2610 MHz; Duty Cycle: 1:8

Phantom section: RF Section

DASY5 Configuration:

- Probe: ER3DV6 - SN2339; ConvF(1, 1, 1); Calibrated: 2/26/2015;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1380; Calibrated: 7/13/2015
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7331)

LTE Band 38 E-Field measurement/LTE TDD_16QAM_RB 1/50_ch 38150/Hearing Aid Compatibility Test (101x101x1):

Interpolated grid: dx=0.5000 mm, dy=0.5000 mm

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 13.02 V/m; Power Drift = 0.02 dB

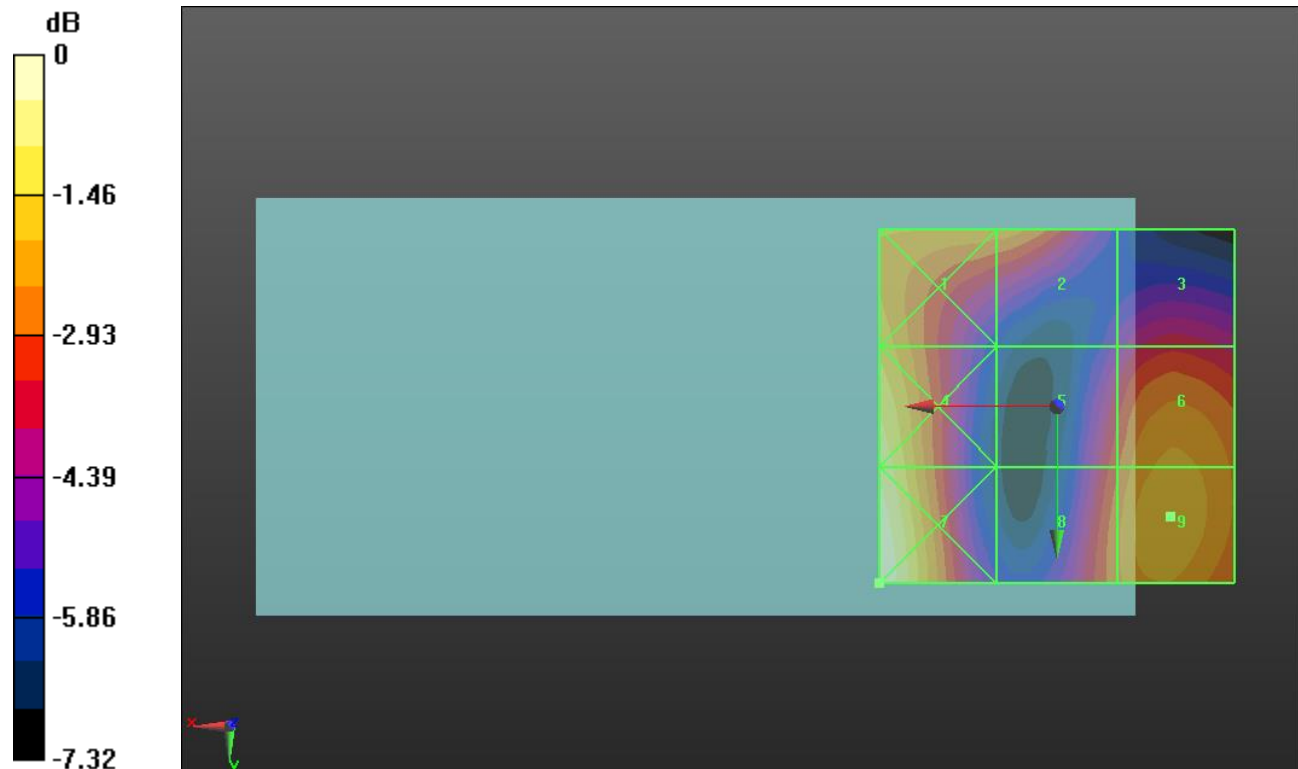
Applied MIF = -1.44 dB

RF audio interference level = 25.35 dBV/m

Emission category: **M4**

MIF scaled E-field

Grid 1 M4 25.33 dBV/m	Grid 2 M4 24.84 dBV/m	Grid 3 M4 23.37 dBV/m
Grid 4 M4 26.31 dBV/m	Grid 5 M4 23.92 dBV/m	Grid 6 M4 25.12 dBV/m
Grid 7 M4 26.91 dBV/m	Grid 8 M4 24.41 dBV/m	Grid 9 M4 25.35 dBV/m



0 dB = 22.16 V/m = 26.91 dBV/m

HAC-RF Emission LAT

Communication System: UID 10173 - CAB, LTE-TDD (SC-FDMA, 1 RB, 20 MHz, 16-QAM); Frequency: 2506 MHz; Duty Cycle: 1:8

Phantom section: RF Section

DASY5 Configuration:

- Probe: ER3DV6 - SN2339; ConvF(1, 1, 1); Calibrated: 2/26/2015;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1380; Calibrated: 7/13/2015
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7331)

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 = 9.116 V/m; Power Drift = 0.00 dB

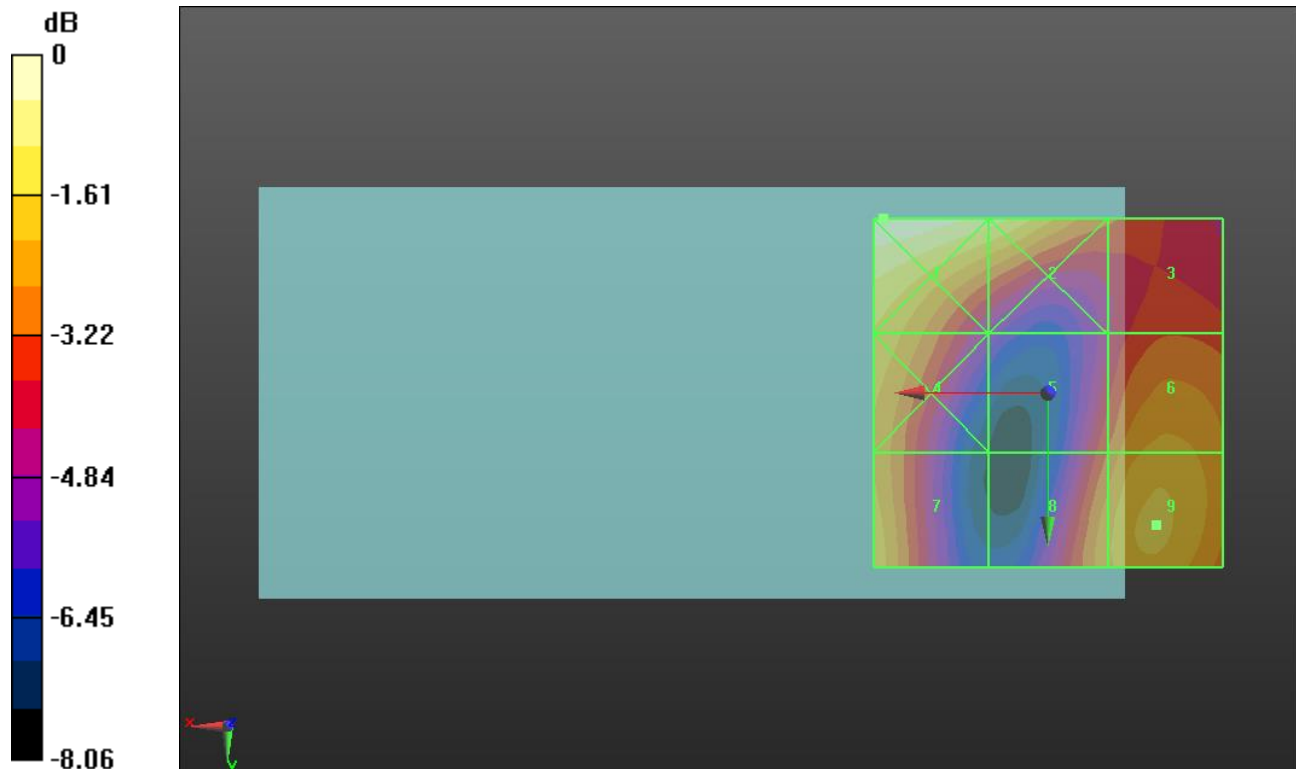
Applied MIF = -1.44 dB

RF audio interference level = 22.37 dBV/m

Emission category: **M4**

MIF scaled E-field

Grid 1 M4 23.86 dBV/m	Grid 2 M4 23.1 dBV/m	Grid 3 M4 20.79 dBV/m
Grid 4 M4 22.19 dBV/m	Grid 5 M4 20.67 dBV/m	Grid 6 M4 21.93 dBV/m
Grid 7 M4 22.14 dBV/m	Grid 8 M4 21.61 dBV/m	Grid 9 M4 22.37 dBV/m



0 dB = 15.59 V/m = 23.86 dBV/m

HAC-RF Emission LAT

Communication System: UID 10173 - CAB, LTE-TDD (SC-FDMA, 1 RB, 20 MHz, 16-QAM); Frequency: 2549.5 MHz; Duty Cycle: 1:8

Phantom section: RF Section

DASY5 Configuration:

- Probe: ER3DV6 - SN2339; ConvF(1, 1, 1); Calibrated: 2/26/2015;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1380; Calibrated: 7/13/2015
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.8 (7);SEMCAD X Version 14.6.10 (7331)

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 = 9.099 V/m; Power Drift = -0.07 dB

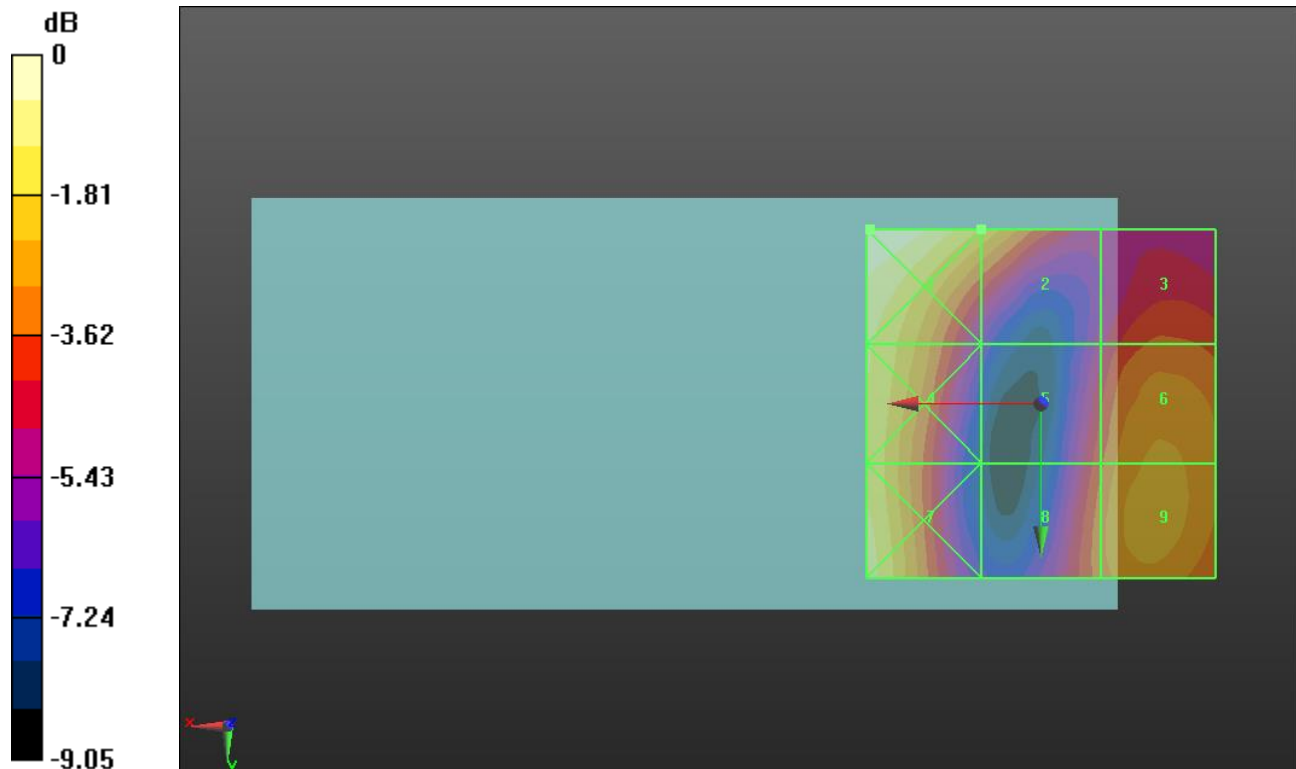
Applied MIF = -1.44 dB

RF audio interference level = 23.26 dBV/m

Emission category: **M4**

MIF scaled E-field

Grid 1 M4 25.11 dBV/m	Grid 2 M4 23.26 dBV/m	Grid 3 M4 21.66 dBV/m
Grid 4 M4 24.01 dBV/m	Grid 5 M4 21.37 dBV/m	Grid 6 M4 22.85 dBV/m
Grid 7 M4 24.22 dBV/m	Grid 8 M4 21.9 dBV/m	Grid 9 M4 23.03 dBV/m



0 dB = 18.02 V/m = 25.12 dBV/m

HAC-RF Emission LAT

Communication System: UID 10173 - CAB, LTE-TDD (SC-FDMA, 1 RB, 20 MHz, 16-QAM); Frequency: 2593 MHz; Duty Cycle: 1:8

Phantom section: RF Section

DASY5 Configuration:

- Probe: ER3DV6 - SN2339; ConvF(1, 1, 1); Calibrated: 2/26/2015;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1380; Calibrated: 7/13/2015
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.8 (7);SEMCAD X Version 14.6.10 (7331)

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 = 9.738 V/m; Power Drift = -0.09 dB

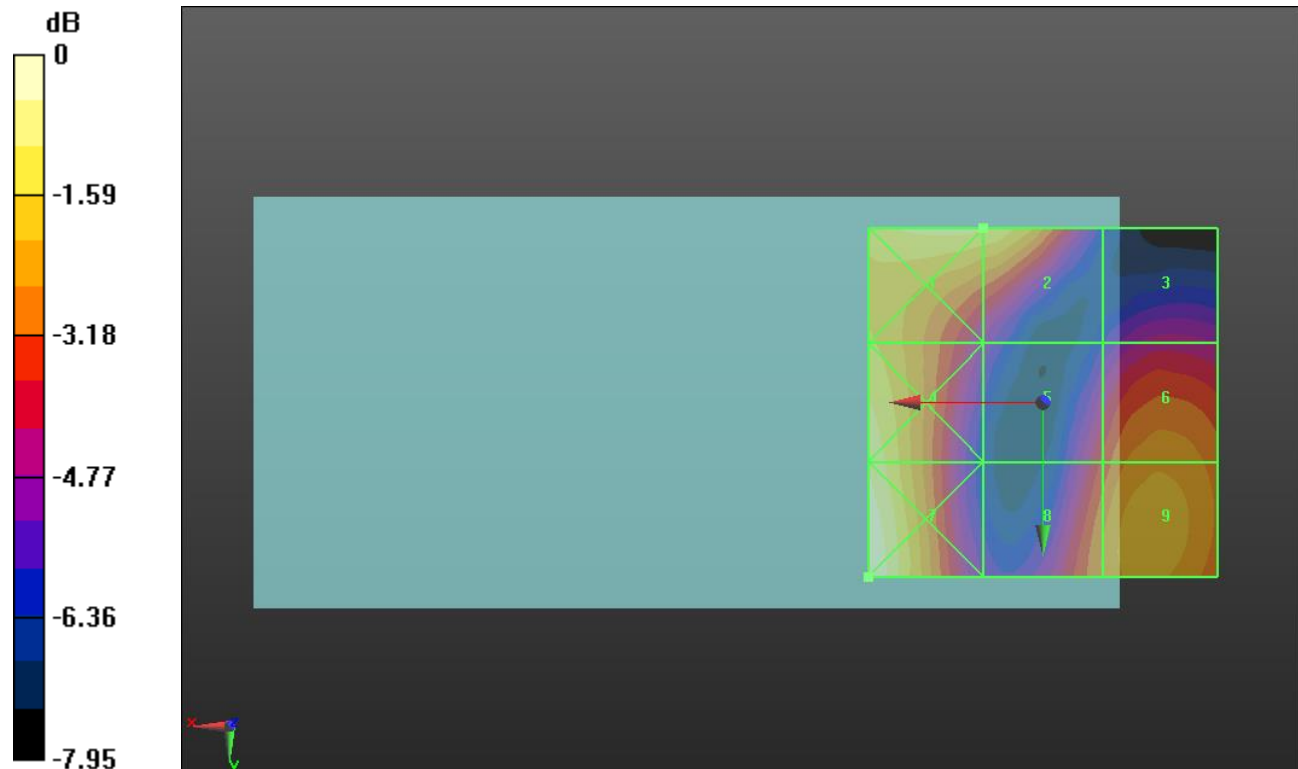
Applied MIF = -1.44 dB

RF audio interference level = 24.26 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 24.41 dBV/m	Grid 2 M4 24.26 dBV/m	Grid 3 M4 20.78 dBV/m
Grid 4 M4 24.62 dBV/m	Grid 5 M4 21.67 dBV/m	Grid 6 M4 23.01 dBV/m
Grid 7 M4 25.23 dBV/m	Grid 8 M4 22.64 dBV/m	Grid 9 M4 23.5 dBV/m



0 dB = 18.26 V/m = 25.23 dBV/m

HAC-RF Emission LAT

Communication System: UID 10173 - CAB, LTE-TDD (SC-FDMA, 1 RB, 20 MHz, 16-QAM); Frequency: 2636.5 MHz; Duty Cycle: 1:8

Phantom section: RF Section

DASY5 Configuration:

- Probe: ER3DV6 - SN2339; ConvF(1, 1, 1); Calibrated: 2/26/2015;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1380; Calibrated: 7/13/2015
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.8 (7);SEMCAD X Version 14.6.10 (7331)

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 = 11.37 V/m; Power Drift = 0.00 dB

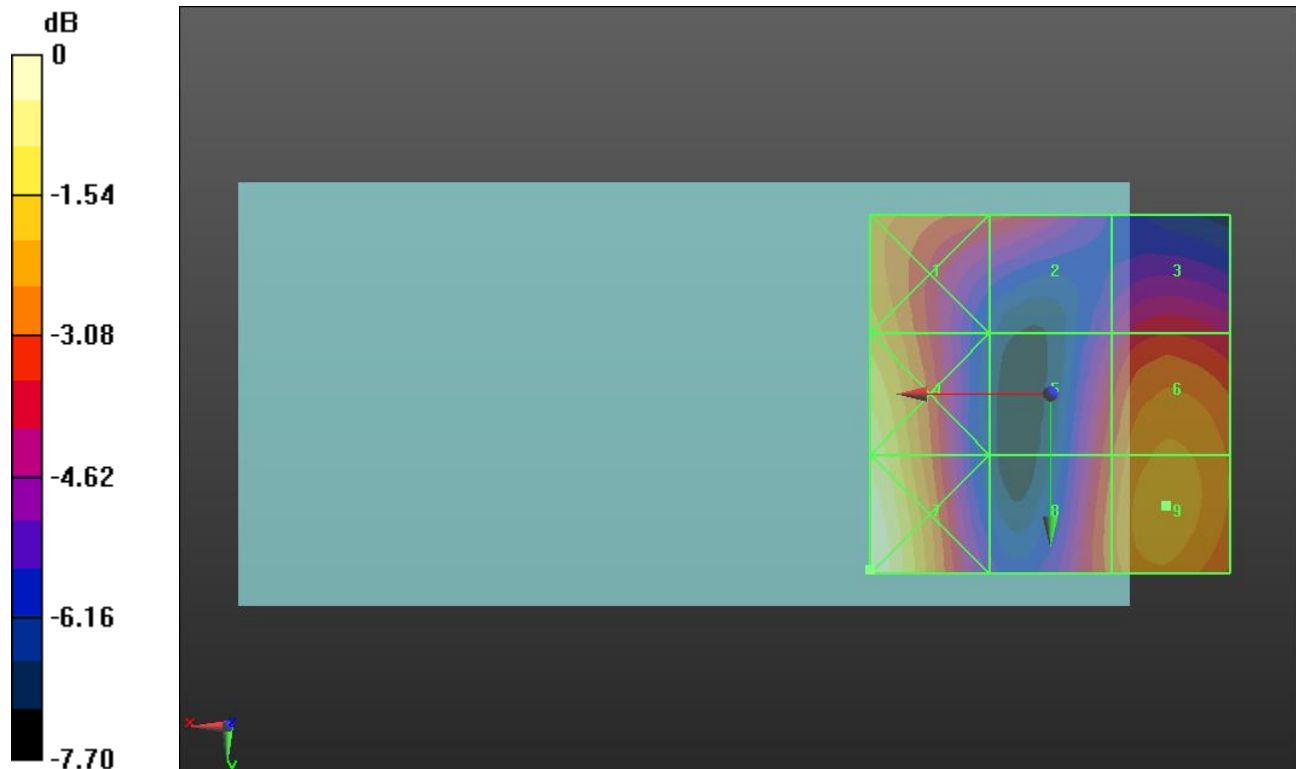
Applied MIF = -1.44 dB

RF audio interference level = 24.30 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 24.23 dBV/m	Grid 2 M4 22.67 dBV/m	Grid 3 M4 22.42 dBV/m
Grid 4 M4 25.37 dBV/m	Grid 5 M4 22.86 dBV/m	Grid 6 M4 24.09 dBV/m
Grid 7 M4 26.01 dBV/m	Grid 8 M4 23.26 dBV/m	Grid 9 M4 24.3 dBV/m



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

HAC-RF Emission LAT

Communication System: UID 10173 - CAB, LTE-TDD (SC-FDMA, 1 RB, 20 MHz, 16-QAM); Frequency: 2680 MHz; Duty Cycle: 1:8

Phantom section: RF Section

DASY5 Configuration:

- Probe: ER3DV6 - SN2339; ConvF(1, 1, 1); Calibrated: 2/26/2015;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1380; Calibrated: 7/13/2015
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7331)

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 = 9.847 V/m; Power Drift = -0.05 dB

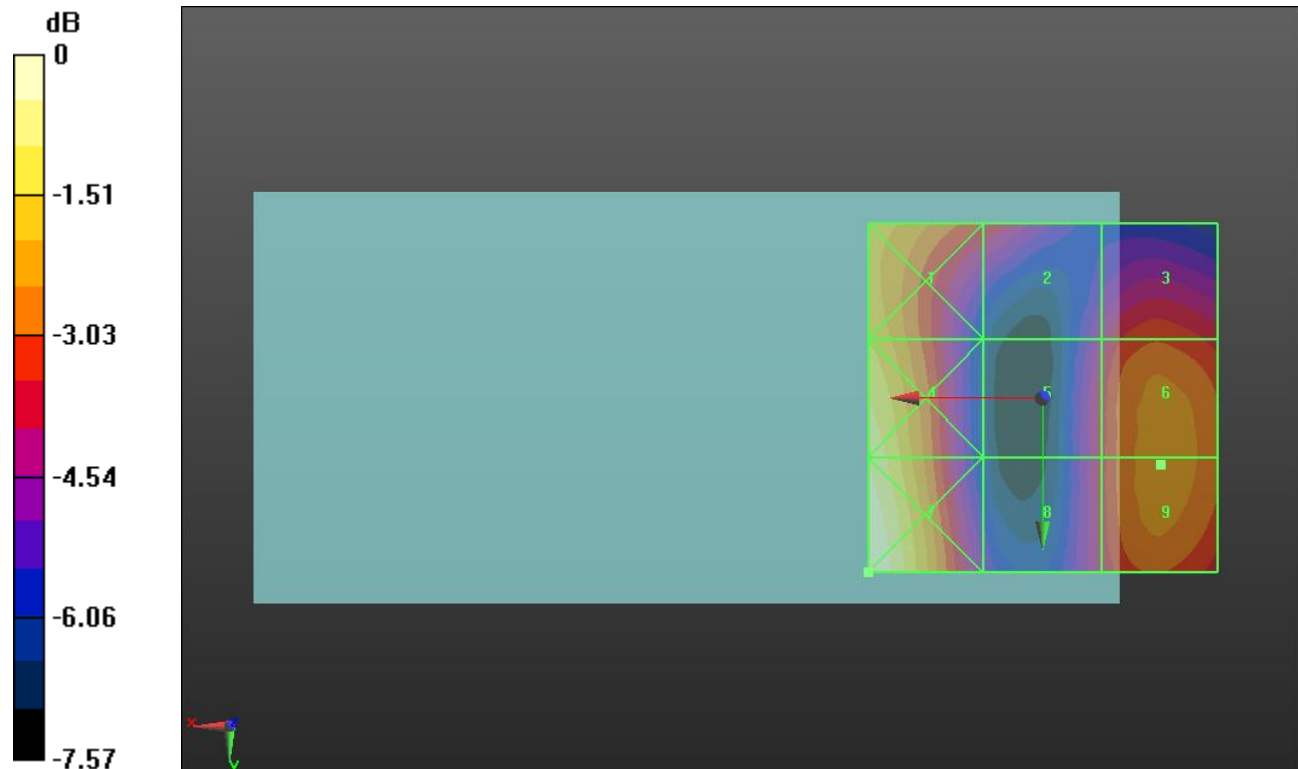
Applied MIF = -1.44 dB

RF audio interference level = 23.12 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 23.81 dBV/m	Grid 2 M4 21.9 dBV/m	Grid 3 M4 22.26 dBV/m
Grid 4 M4 24.75 dBV/m	Grid 5 M4 21.63 dBV/m	Grid 6 M4 23.11 dBV/m
Grid 7 M4 25.34 dBV/m	Grid 8 M4 21.64 dBV/m	Grid 9 M4 23.12 dBV/m



0 dB = 18.49 V/m = 25.34 dBV/m