

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 (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 = 62.99 V/m; Power Drift = -0.08 dB

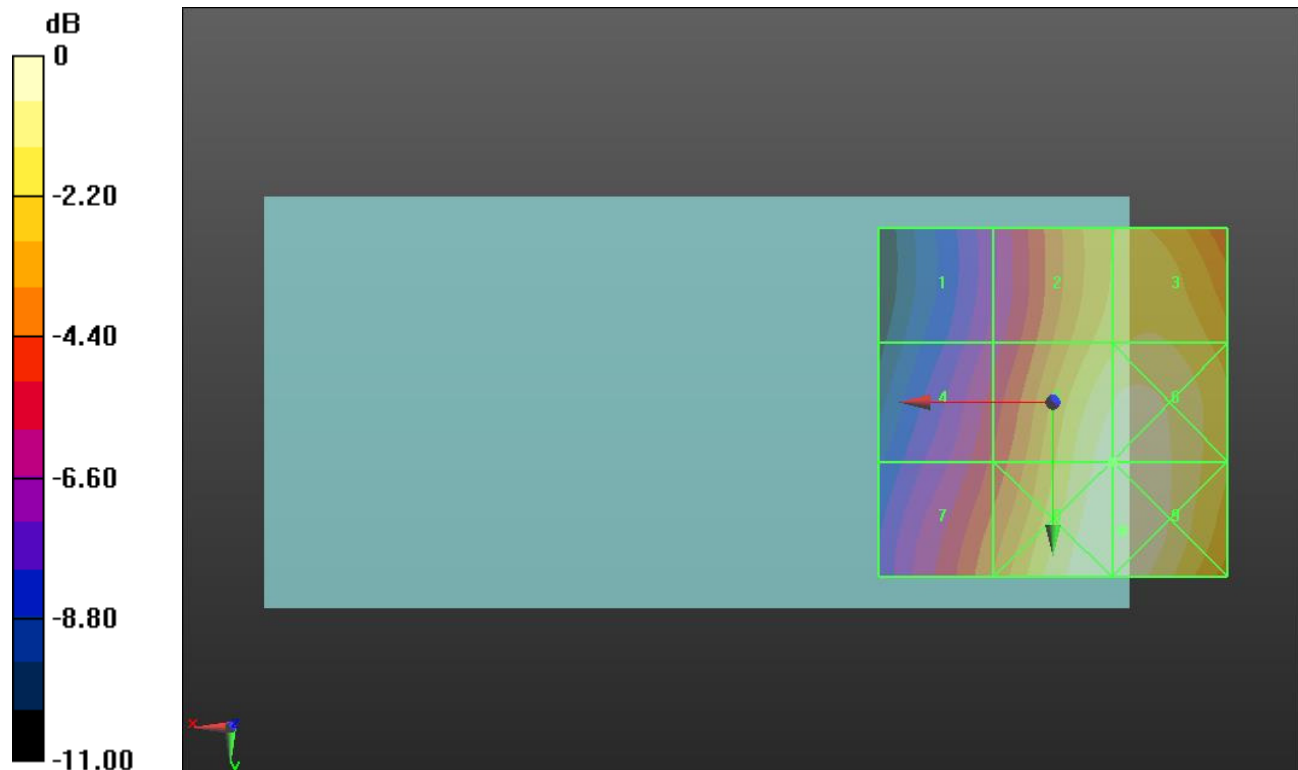
Applied MIF = 3.63 dB

RF audio interference level = 39.37 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 33.48 dBV/m	Grid 2 M4 38 dBV/m	Grid 3 M4 38.35 dBV/m
Grid 4 M4 34.75 dBV/m	Grid 5 M4 39.37 dBV/m	Grid 6 M4 39.5 dBV/m
Grid 7 M4 36.08 dBV/m	Grid 8 M4 39.65 dBV/m	Grid 9 M4 39.69 dBV/m



0 dB = 96.44 V/m = 39.69 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 (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 = 63.45 V/m; Power Drift = -0.06 dB

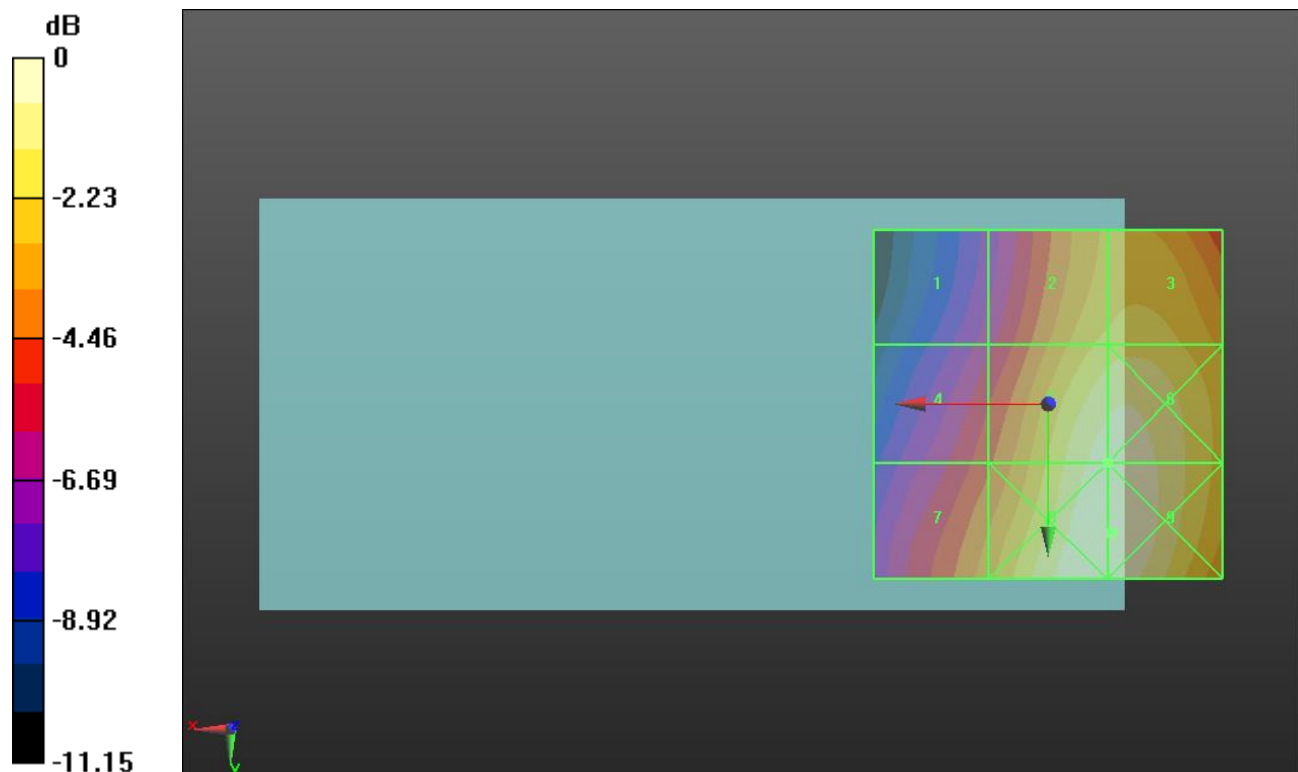
Applied MIF = 3.63 dB

RF audio interference level = 39.23 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 33.48 dBV/m	Grid 2 M4 37.65 dBV/m	Grid 3 M4 37.88 dBV/m
Grid 4 M4 35.05 dBV/m	Grid 5 M4 39.23 dBV/m	Grid 6 M4 39.29 dBV/m
Grid 7 M4 36.44 dBV/m	Grid 8 M4 39.6 dBV/m	Grid 9 M4 39.61 dBV/m



0 dB = 95.56 V/m = 39.61 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 (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 = 61.81 V/m; Power Drift = -0.01 dB

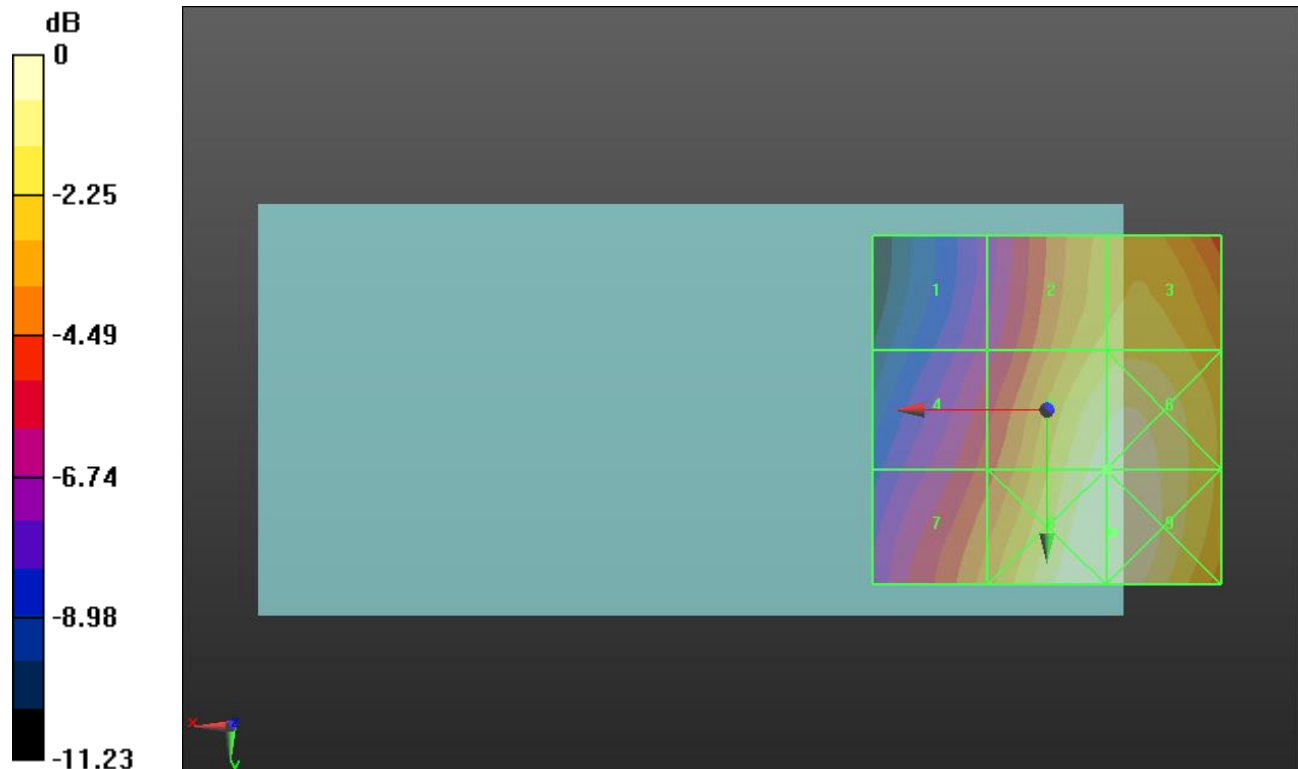
Applied MIF = 3.63 dB

RF audio interference level = 39.21 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 33.26 dBV/m	Grid 2 M4 37.66 dBV/m	Grid 3 M4 37.94 dBV/m
Grid 4 M4 34.81 dBV/m	Grid 5 M4 39.21 dBV/m	Grid 6 M4 39.31 dBV/m
Grid 7 M4 36.31 dBV/m	Grid 8 M4 39.56 dBV/m	Grid 9 M4 39.57 dBV/m



0 dB = 95.21 V/m = 39.57 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 = 10.38 V/m; Power Drift = -0.01 dB

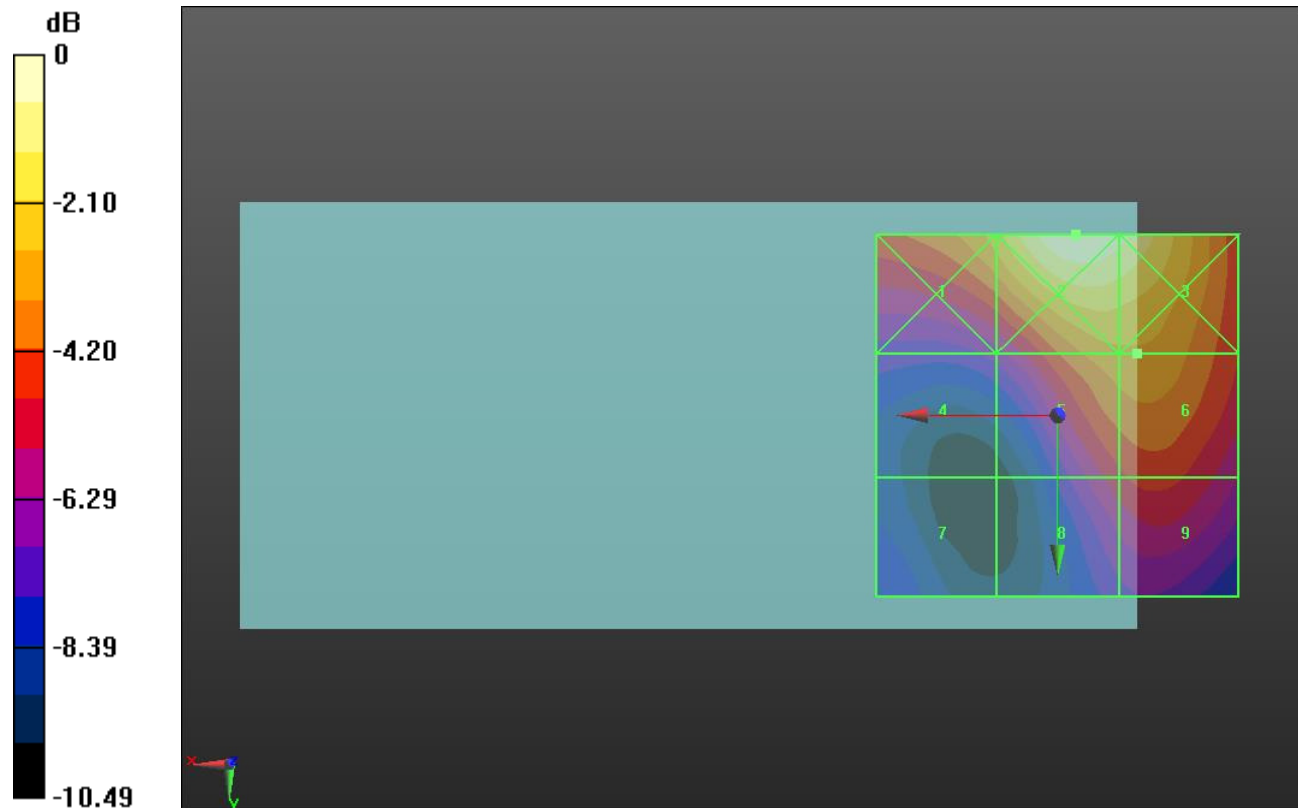
Applied MIF = 3.63 dB

RF audio interference level = 24.52 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 25 dBV/m	Grid 2 M4 27.41 dBV/m	Grid 3 M4 26.96 dBV/m
Grid 4 M4 20.83 dBV/m	Grid 5 M4 24.47 dBV/m	Grid 6 M4 24.52 dBV/m
Grid 7 M4 19.73 dBV/m	Grid 8 M4 22.35 dBV/m	Grid 9 M4 22.8 dBV/m



0 dB = 23.47 V/m = 27.41 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 = 11.45 V/m; Power Drift = -0.03 dB

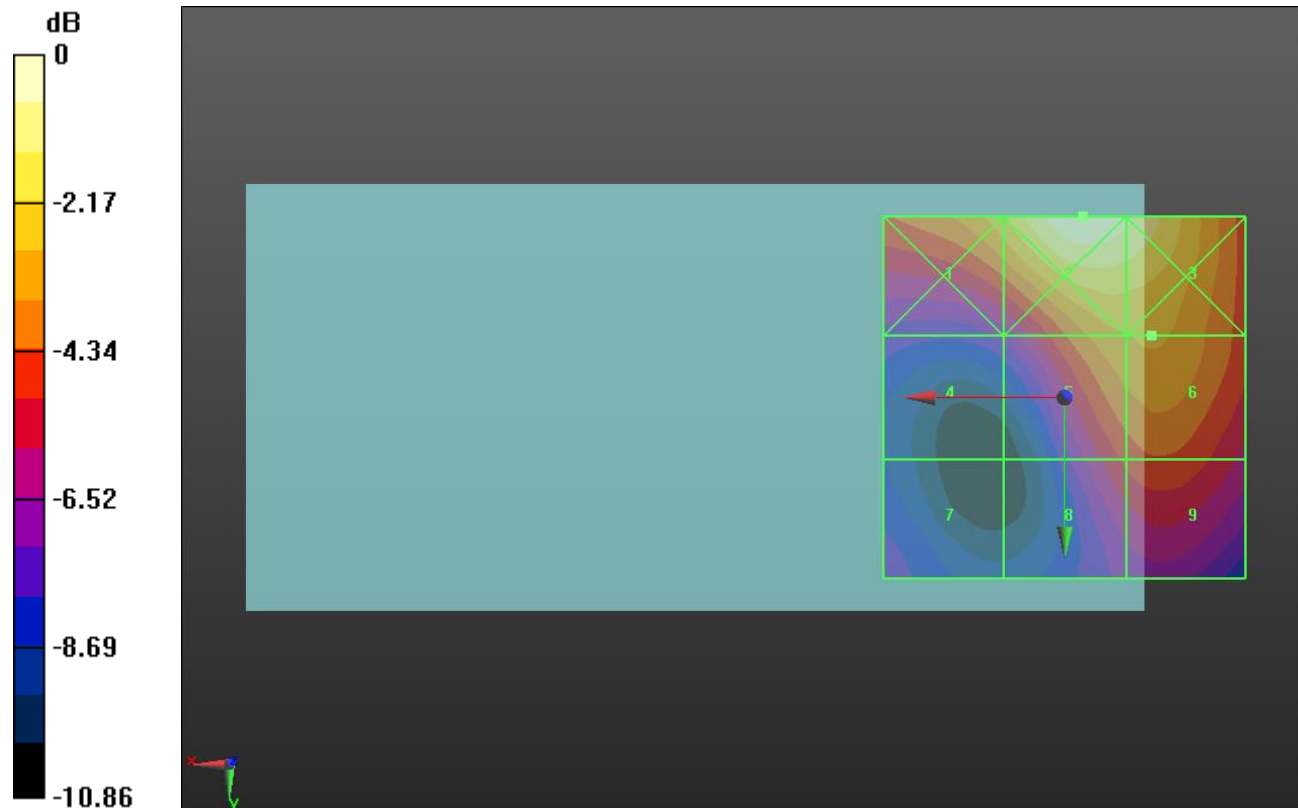
Applied MIF = 3.63 dB

RF audio interference level = 25.33 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 25.82 dBV/m	Grid 2 M4 28.14 dBV/m	Grid 3 M4 27.63 dBV/m
Grid 4 M4 21.18 dBV/m	Grid 5 M4 25.22 dBV/m	Grid 6 M4 25.33 dBV/m
Grid 7 M4 20.61 dBV/m	Grid 8 M4 23.29 dBV/m	Grid 9 M4 23.75 dBV/m



0 dB = 25.51 V/m = 28.13 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 = 12.05 V/m; Power Drift = -0.07 dB

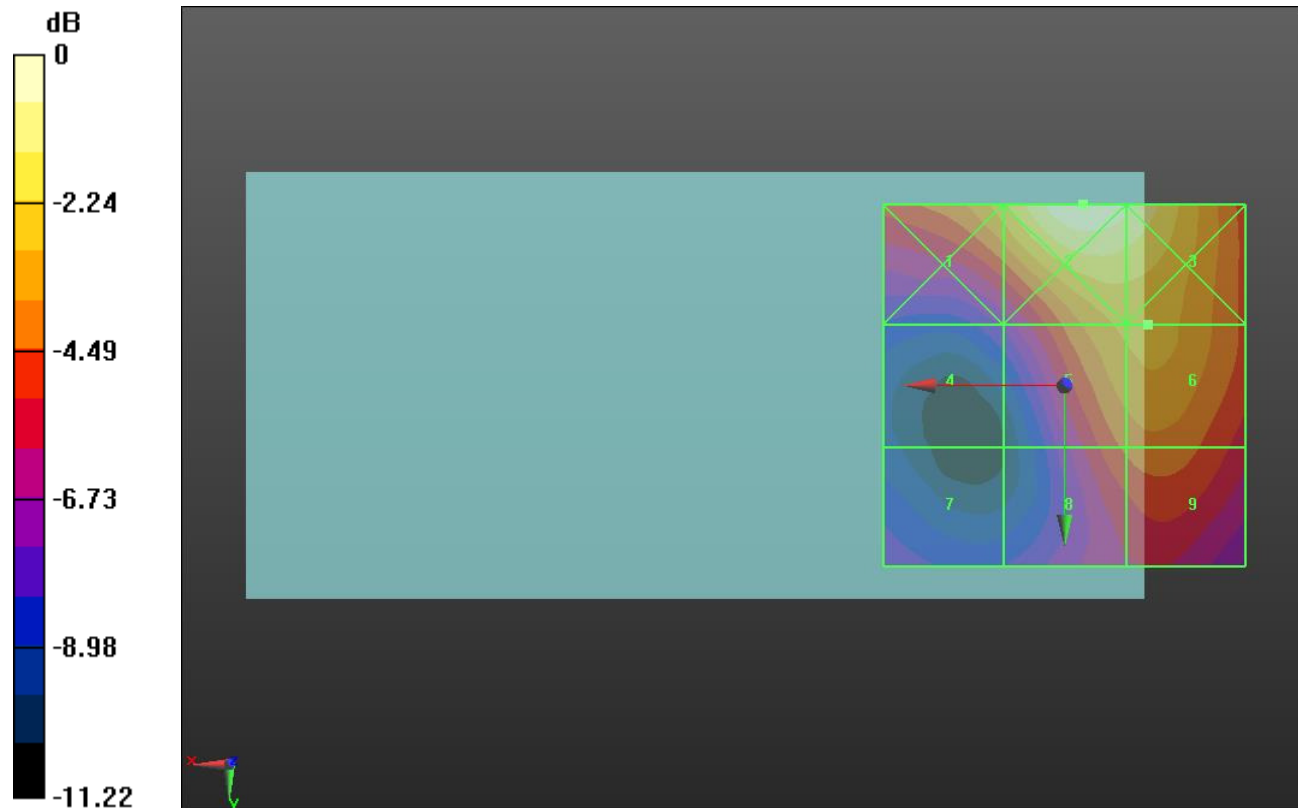
Applied MIF = 3.63 dB

RF audio interference level = 25.33 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 25.58 dBV/m	Grid 2 M4 28.06 dBV/m	Grid 3 M4 27.52 dBV/m
Grid 4 M4 20.86 dBV/m	Grid 5 M4 25.24 dBV/m	Grid 6 M4 25.33 dBV/m
Grid 7 M4 20.41 dBV/m	Grid 8 M4 23.74 dBV/m	Grid 9 M4 24.1 dBV/m



0 dB = 25.29 V/m = 28.06 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 (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 = 24.47 V/m; Power Drift = -0.07 dB

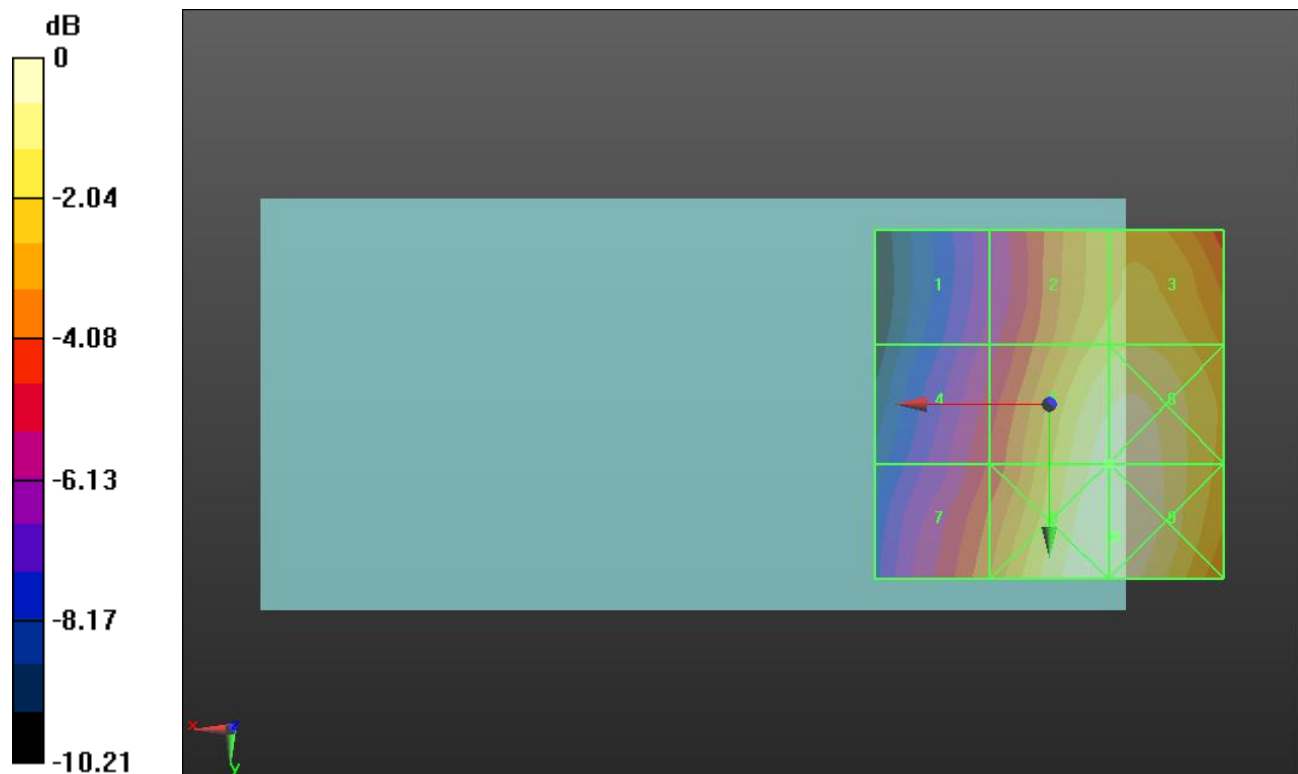
Applied MIF = 3.26 dB

RF audio interference level = 30.63 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 25.25 dBV/m	Grid 2 M4 29.31 dBV/m	Grid 3 M4 29.58 dBV/m
Grid 4 M4 26.34 dBV/m	Grid 5 M4 30.63 dBV/m	Grid 6 M4 30.74 dBV/m
Grid 7 M4 27.58 dBV/m	Grid 8 M4 30.94 dBV/m	Grid 9 M4 30.95 dBV/m



0 dB = 35.29 V/m = 30.95 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 (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 = 25.16 V/m; Power Drift = 0.10 dB

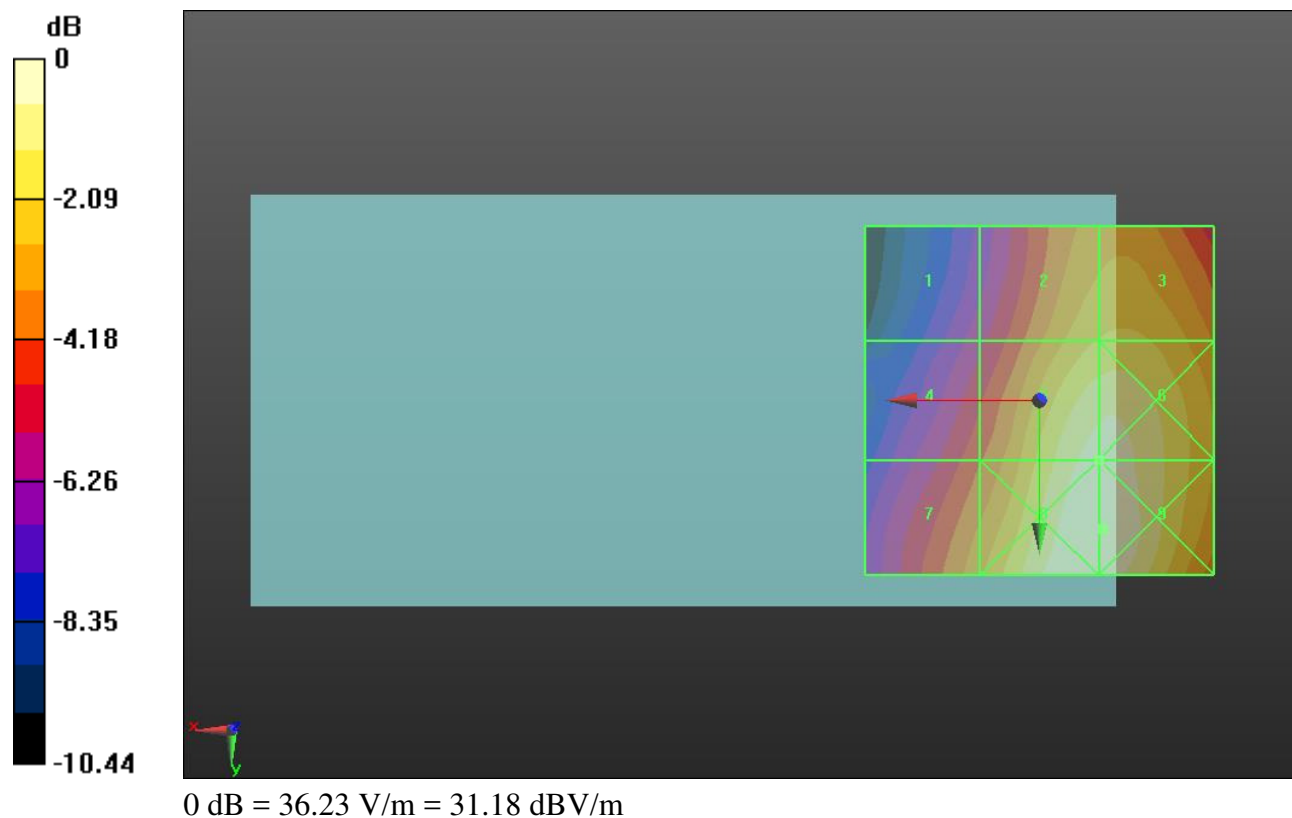
Applied MIF = 3.26 dB

RF audio interference level = 30.80 dBV/m

Emission category: **M4**

MIF scaled E-field

Grid 1 M4 25.46 dBV/m	Grid 2 M4 29.15 dBV/m	Grid 3 M4 29.3 dBV/m
Grid 4 M4 26.96 dBV/m	Grid 5 M4 30.8 dBV/m	Grid 6 M4 30.83 dBV/m
Grid 7 M4 28.3 dBV/m	Grid 8 M4 31.18 dBV/m	Grid 9 M4 31.18 dBV/m



Test Laboratory: UL Verification Services Inc. SAR Lab C

Date: 12/15/2015

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 (7331)

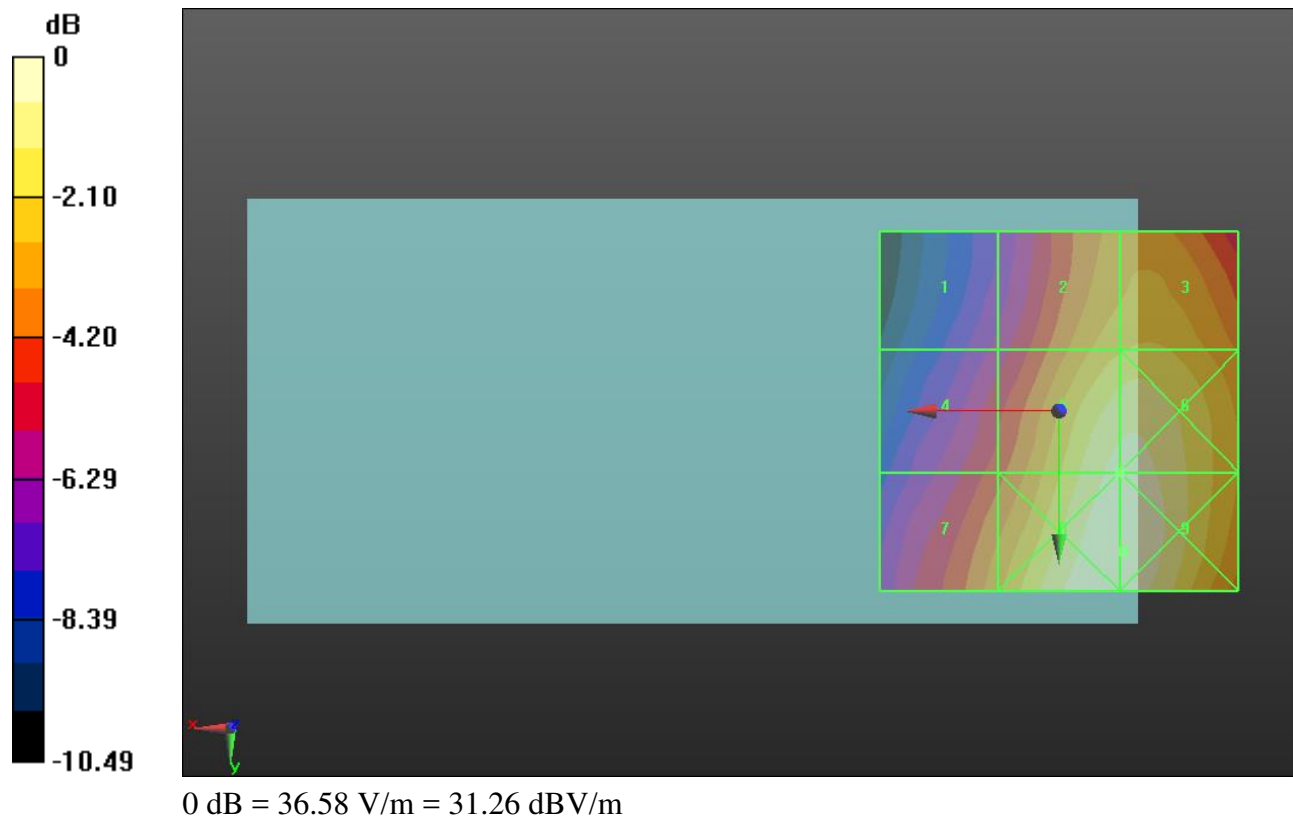
CDMA BC0 E-Field measurement/RC1_SO3_Ch 777/Hearing Aid Compatibility Test (101x101x1):

Interpolated grid: dx=0.5000 mm, dy=0.5000 mm
Device Reference Point: 0, 0, -6.3 mm
Reference Value = 25.02 V/m; Power Drift = 0.02 dB
Applied MIF = 3.26 dB
RF audio interference level = 30.79 dBV/m

Emission category: **M4**

MIF scaled E-field

Grid 1 M4 25.3 dBV/m	Grid 2 M4 29.11 dBV/m	Grid 3 M4 29.31 dBV/m
Grid 4 M4 26.83 dBV/m	Grid 5 M4 30.79 dBV/m	Grid 6 M4 30.84 dBV/m
Grid 7 M4 28.3 dBV/m	Grid 8 M4 31.26 dBV/m	Grid 9 M4 31.27 dBV/m



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 = 13.84 V/m; Power Drift = 0.05 dB

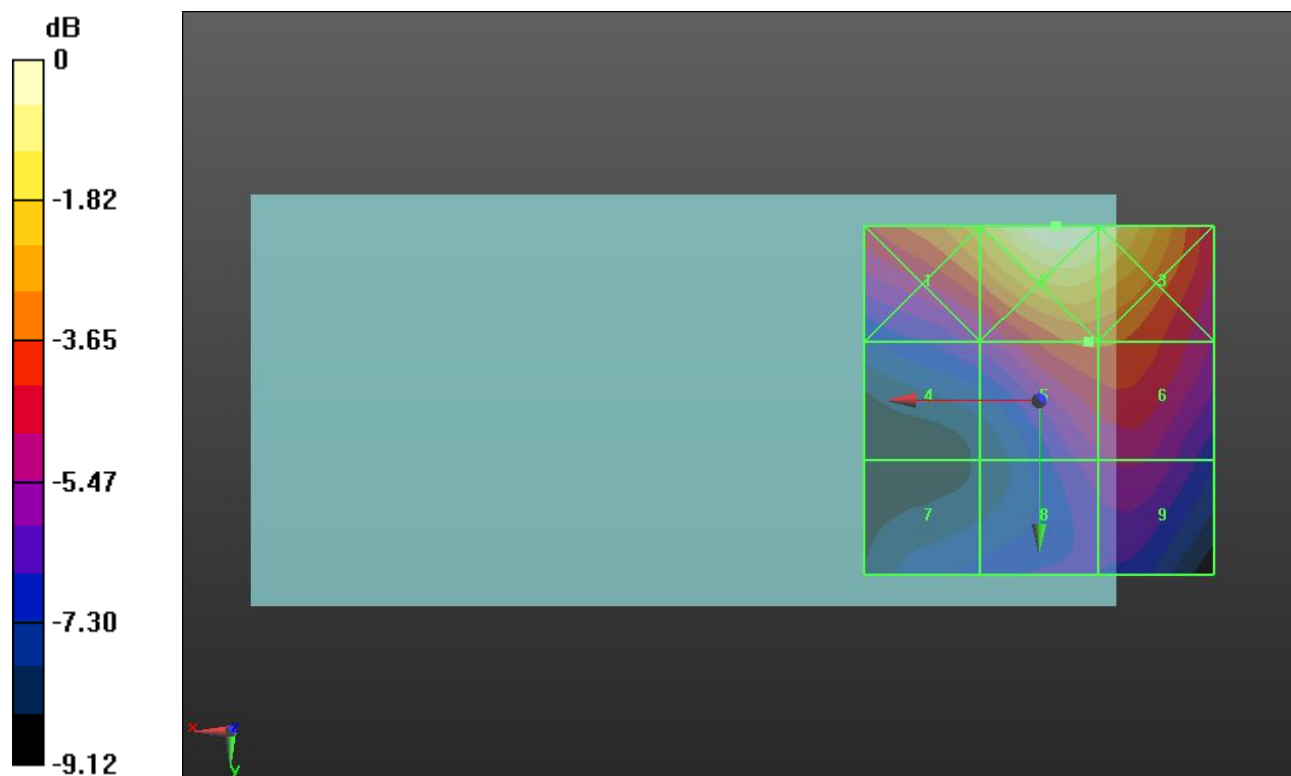
Applied MIF = 3.26 dB

RF audio interference level = 26.22 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 27.73 dBV/m	Grid 2 M4 29.71 dBV/m	Grid 3 M4 29.17 dBV/m
Grid 4 M4 24 dBV/m	Grid 5 M4 26.22 dBV/m	Grid 6 M4 26.19 dBV/m
Grid 7 M4 22.68 dBV/m	Grid 8 M4 24.14 dBV/m	Grid 9 M4 24.38 dBV/m



0 dB = 30.58 V/m = 29.71 dBV/m

Test Laboratory: UL Verification Services Inc. SAR Lab C

Date: 12/15/2015

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 (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 = 13.30 V/m; Power Drift = 0.01 dB

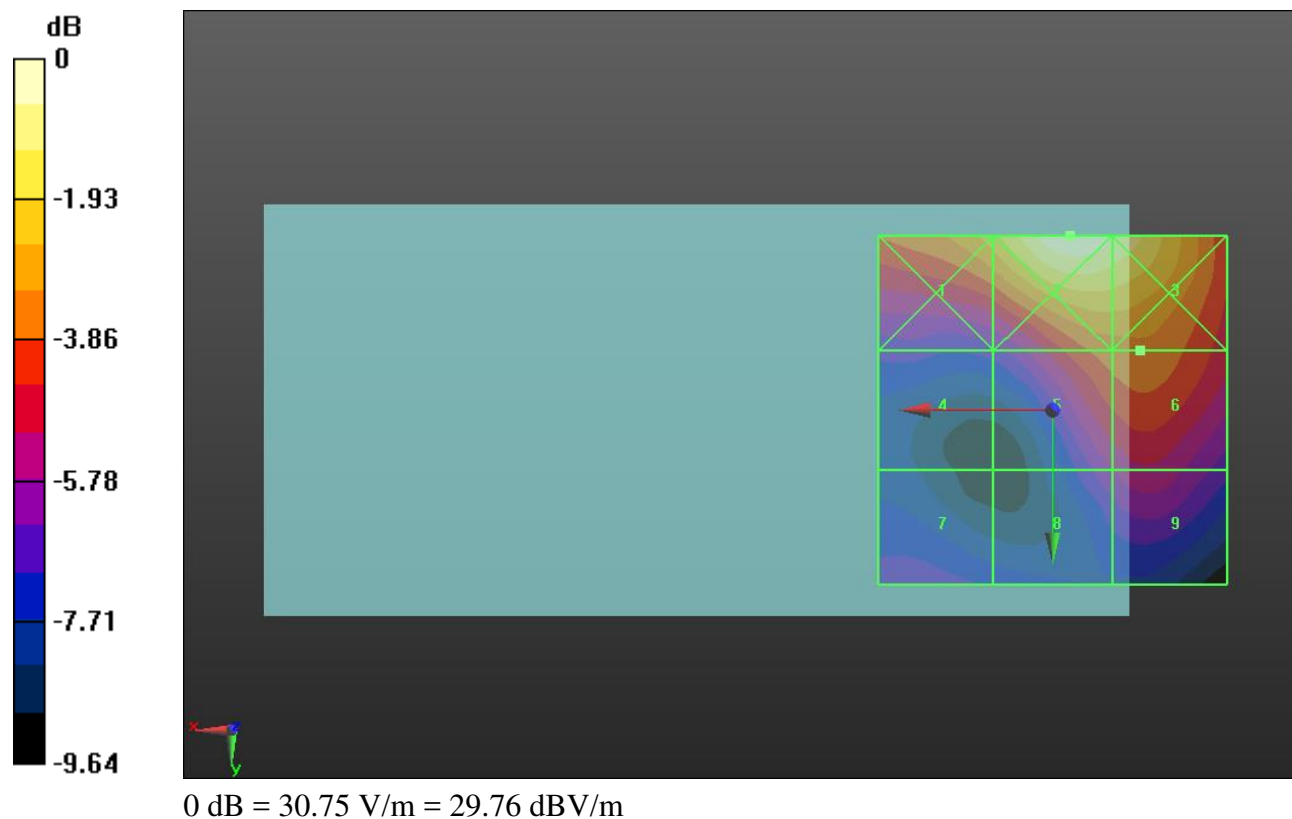
Applied MIF = 3.26 dB

RF audio interference level = 26.39 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 27.59 dBV/m	Grid 2 M4 29.76 dBV/m	Grid 3 M4 29.27 dBV/m
Grid 4 M4 23.11 dBV/m	Grid 5 M4 26.24 dBV/m	Grid 6 M4 26.39 dBV/m
Grid 7 M4 23.1 dBV/m	Grid 8 M4 24.02 dBV/m	Grid 9 M4 24.54 dBV/m



Test Laboratory: UL Verification Services Inc. SAR Lab C

Date: 12/15/2015

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 (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 = 14.60 V/m; Power Drift = -0.07 dB

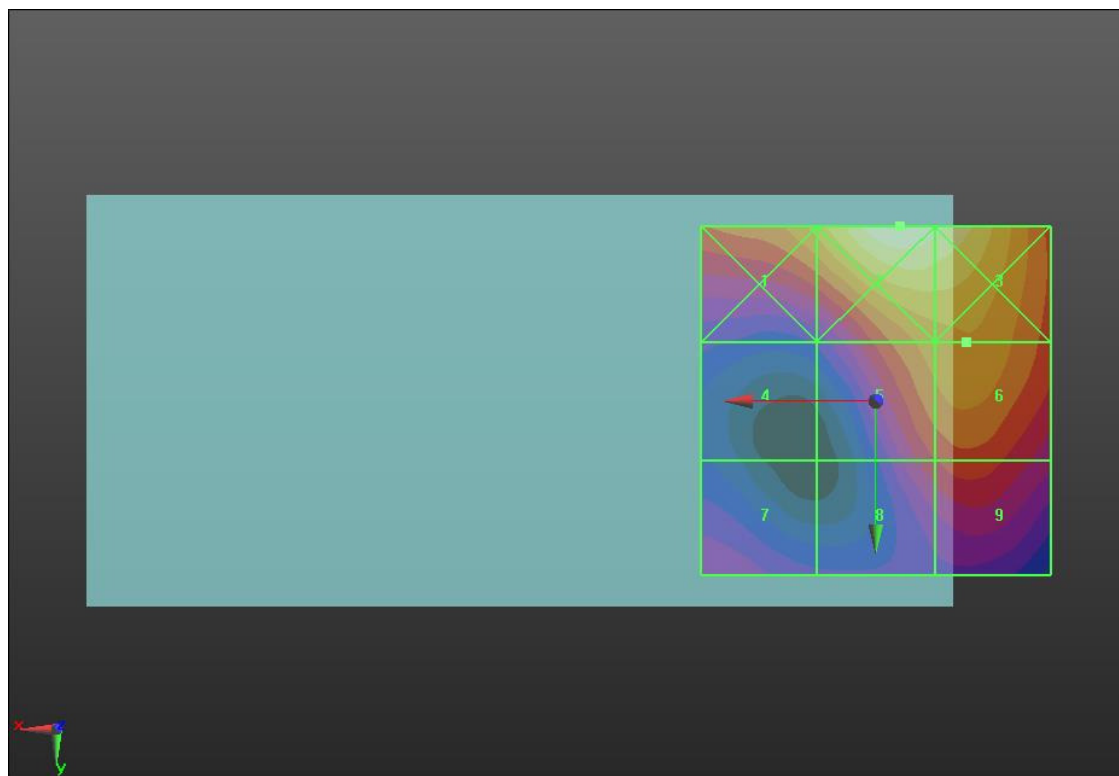
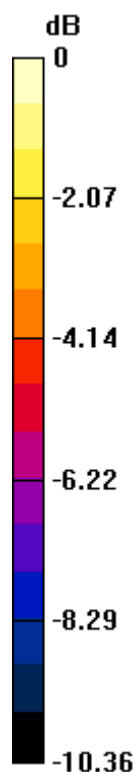
Applied MIF = 3.26 dB

RF audio interference level = 26.93 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 27.29 dBV/m	Grid 2 M4 29.76 dBV/m	Grid 3 M4 29.29 dBV/m
Grid 4 M4 22.43 dBV/m	Grid 5 M4 26.68 dBV/m	Grid 6 M4 26.93 dBV/m
Grid 7 M4 23.42 dBV/m	Grid 8 M4 24.91 dBV/m	Grid 9 M4 25.38 dBV/m



0 dB = 30.75 V/m = 29.76 dBV/m

Test Laboratory: UL Verification Services Inc. SAR Lab C

Date: 12/15/2015

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 (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 = 21.10 V/m; Power Drift = -0.01 dB

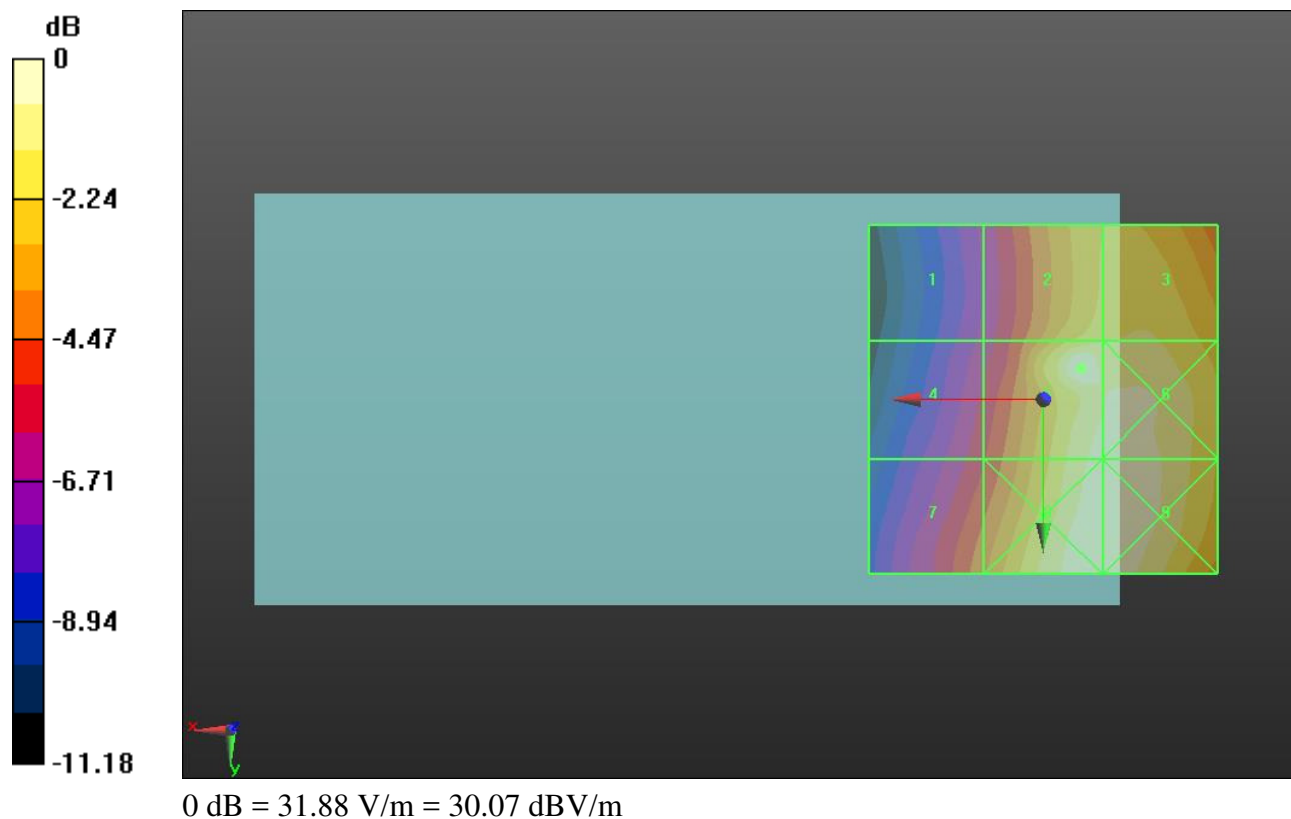
Applied MIF = 3.26 dB

RF audio interference level = 30.07 dBV/m

Emission category: **M4**

MIF scaled E-field

Grid 1 M4 23.71 dBV/m	Grid 2 M4 28.52 dBV/m	Grid 3 M4 28.7 dBV/m
Grid 4 M4 24.82 dBV/m	Grid 5 M4 30.07 dBV/m	Grid 6 M4 29.8 dBV/m
Grid 7 M4 26.24 dBV/m	Grid 8 M4 29.91 dBV/m	Grid 9 M4 29.95 dBV/m



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 = 21.66 V/m; Power Drift = -0.01 dB

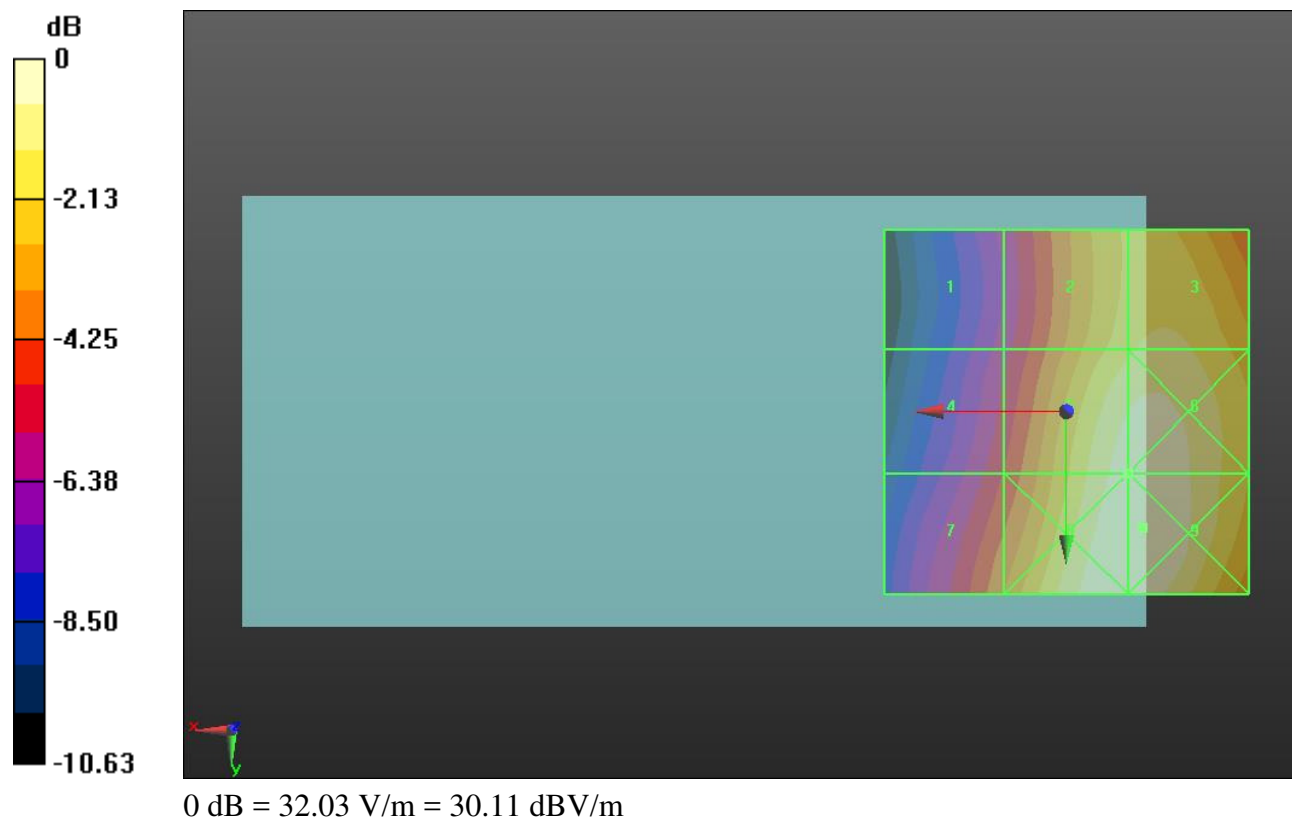
Applied MIF = 3.26 dB

RF audio interference level = 29.82 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 24.2 dBV/m	Grid 2 M4 28.58 dBV/m	Grid 3 M4 28.91 dBV/m
Grid 4 M4 25.24 dBV/m	Grid 5 M4 29.82 dBV/m	Grid 6 M4 29.96 dBV/m
Grid 7 M4 26.59 dBV/m	Grid 8 M4 30.06 dBV/m	Grid 9 M4 30.11 dBV/m



Test Laboratory: UL Verification Services Inc. SAR Lab C

Date: 12/16/2015

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 = 23.20 V/m; Power Drift = -0.02 dB

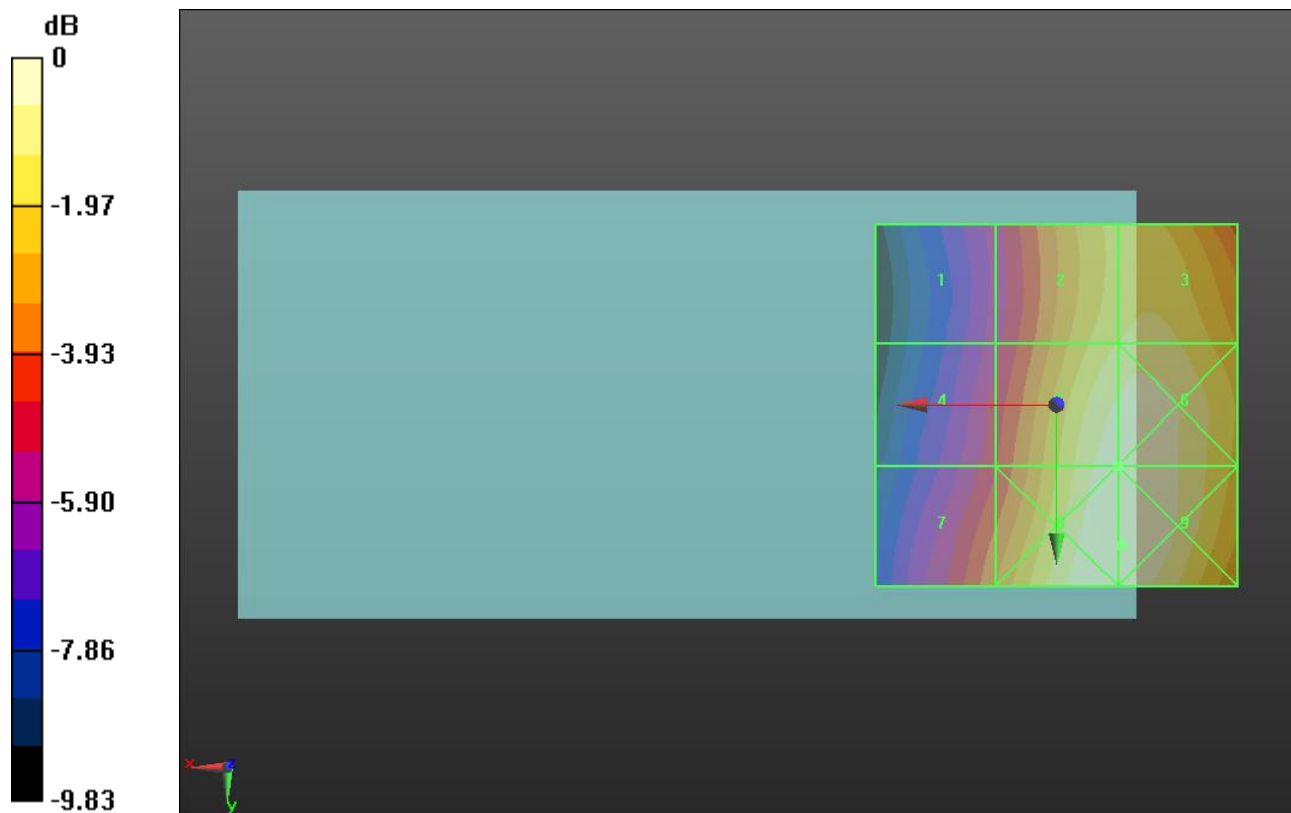
Applied MIF = 3.26 dB

RF audio interference level = 30.15 dBV/m

Emission category: **M4**

MIF scaled E-field

Grid 1 M4 24.89 dBV/m	Grid 2 M4 29.06 dBV/m	Grid 3 M4 29.32 dBV/m
Grid 4 M4 25.73 dBV/m	Grid 5 M4 30.15 dBV/m	Grid 6 M4 30.24 dBV/m
Grid 7 M4 27.04 dBV/m	Grid 8 M4 30.35 dBV/m	Grid 9 M4 30.35 dBV/m



0 dB = 32.94 V/m = 30.35 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 = 11.65 V/m; Power Drift = -0.00 dB

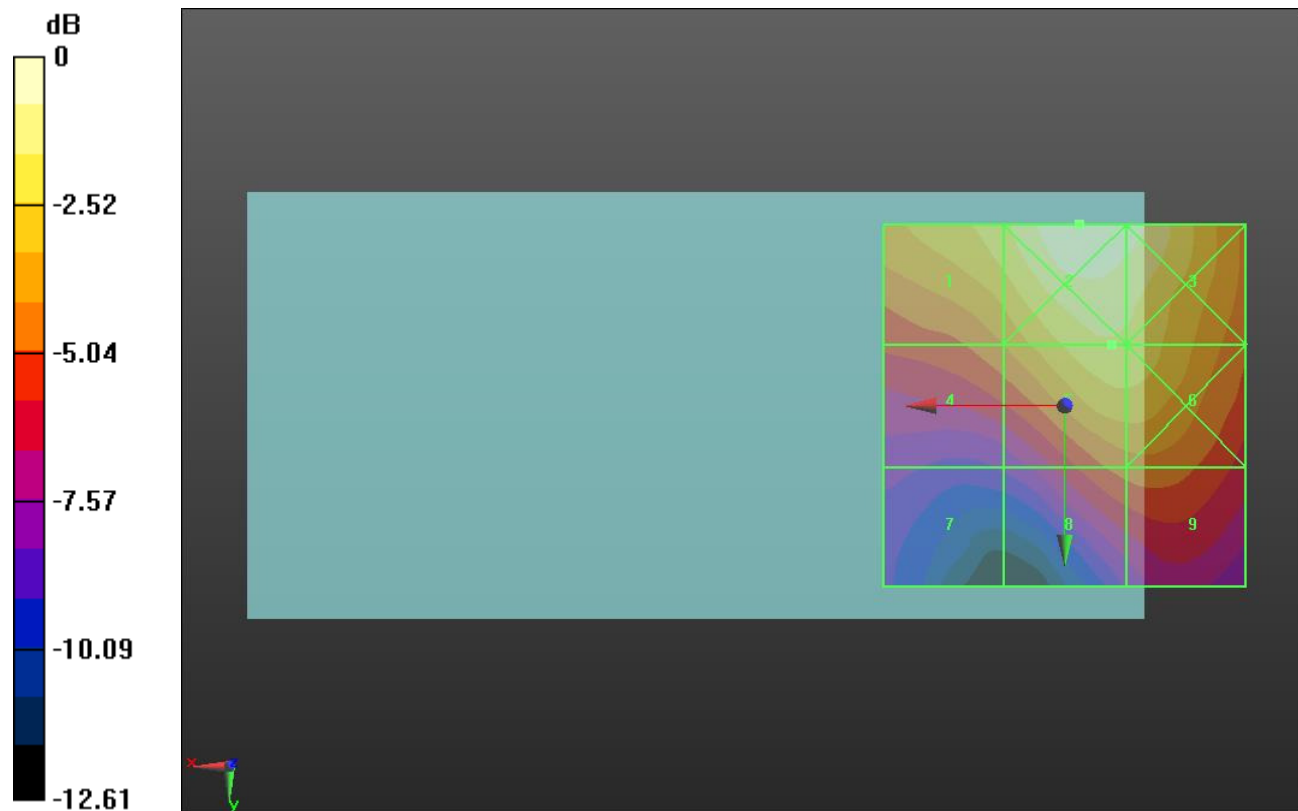
Applied MIF = 3.26 dB

RF audio interference level = 24.13 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 24 dBV/m	Grid 2 M4 25.92 dBV/m	Grid 3 M4 25.52 dBV/m
Grid 4 M4 21.74 dBV/m	Grid 5 M4 24.13 dBV/m	Grid 6 M4 24.05 dBV/m
Grid 7 M4 17.94 dBV/m	Grid 8 M4 21.28 dBV/m	Grid 9 M4 21.44 dBV/m



0 dB = 19.77 V/m = 25.92 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 = 12.35 V/m; Power Drift = -0.04 dB

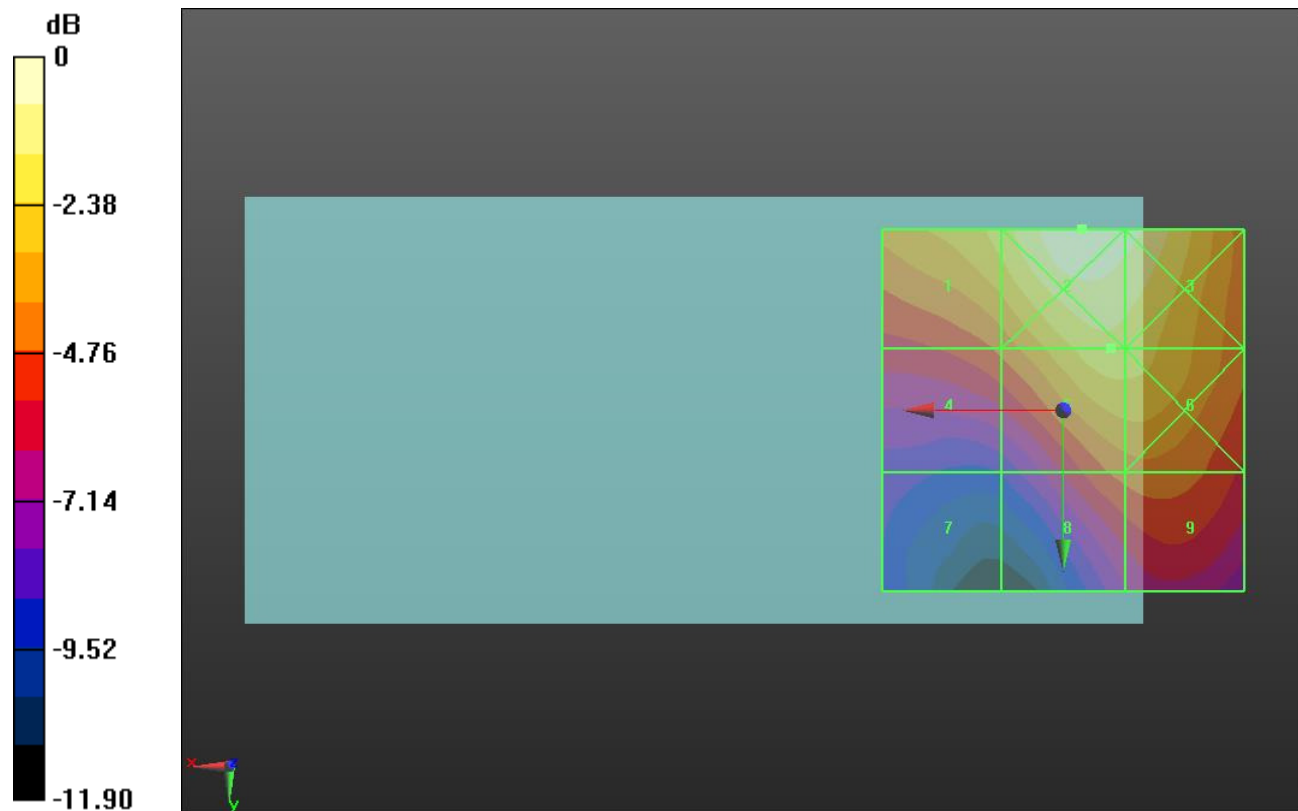
Applied MIF = 3.26 dB

RF audio interference level = 25.00 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 24.89 dBV/m	Grid 2 M4 26.86 dBV/m	Grid 3 M4 26.47 dBV/m
Grid 4 M4 22.35 dBV/m	Grid 5 M4 25 dBV/m	Grid 6 M4 24.91 dBV/m
Grid 7 M4 18.77 dBV/m	Grid 8 M4 22.45 dBV/m	Grid 9 M4 22.65 dBV/m



0 dB = 22.04 V/m = 26.86 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 = 12.91 V/m; Power Drift = 0.00 dB

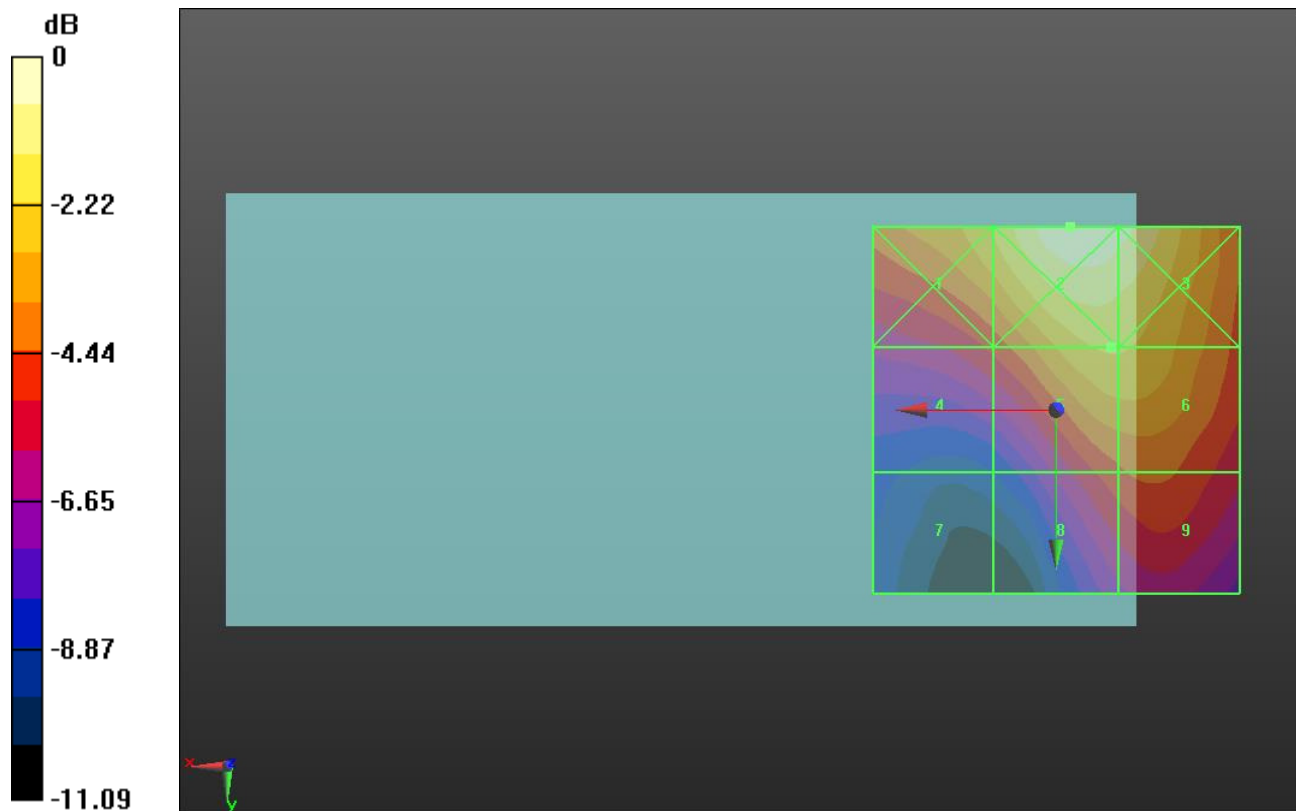
Applied MIF = 3.26 dB

RF audio interference level = 25.65 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 25.65 dBV/m	Grid 2 M4 27.77 dBV/m	Grid 3 M4 27.35 dBV/m
Grid 4 M4 22.84 dBV/m	Grid 5 M4 25.65 dBV/m	Grid 6 M4 25.63 dBV/m
Grid 7 M4 19.32 dBV/m	Grid 8 M4 23.2 dBV/m	Grid 9 M4 23.51 dBV/m



0 dB = 24.46 V/m = 27.77 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 = 22.94 V/m; Power Drift = -0.04 dB

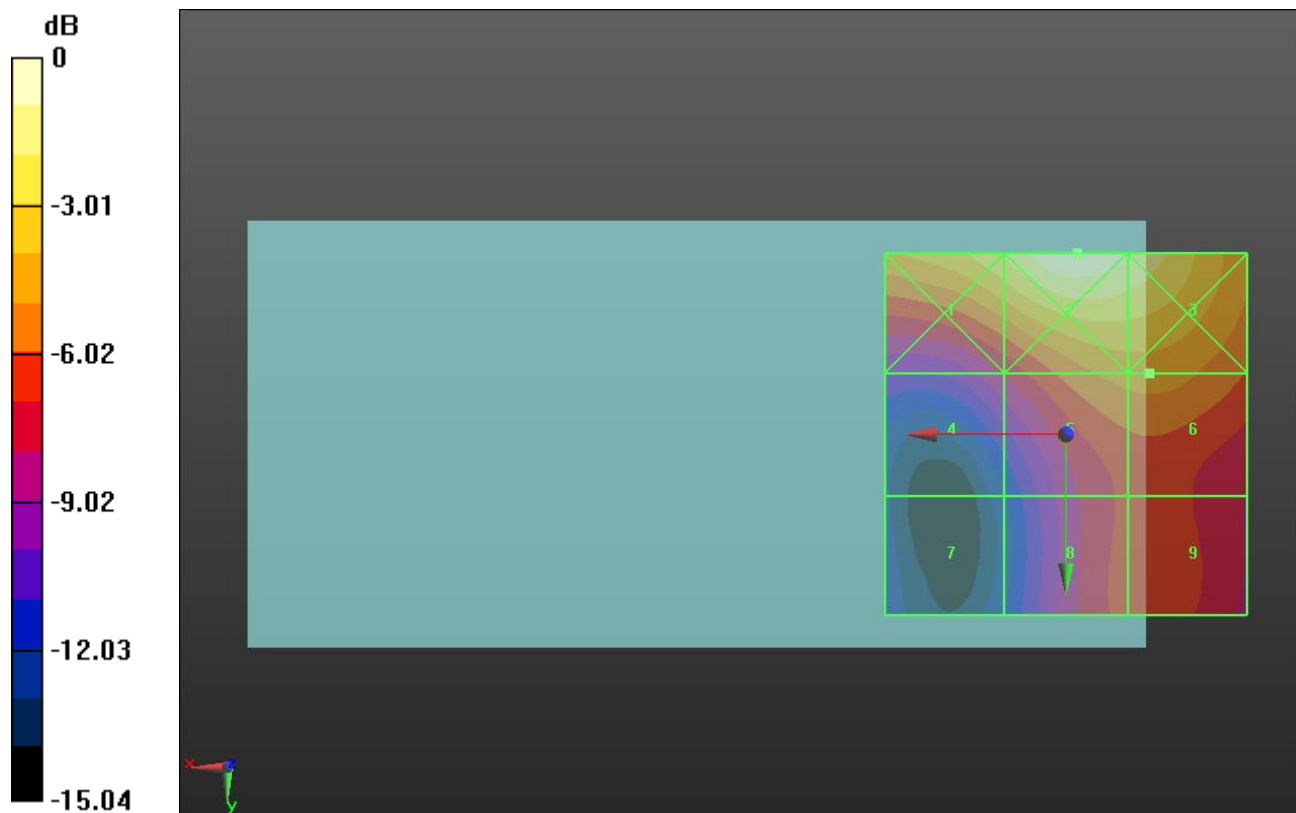
Applied MIF = 0.12 dB

RF audio interference level = 28.51 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M3 31.19 dBV/m	Grid 2 M3 33.03 dBV/m	Grid 3 M3 32.18 dBV/m
Grid 4 M4 25.2 dBV/m	Grid 5 M4 28.44 dBV/m	Grid 6 M4 28.51 dBV/m
Grid 7 M4 21.19 dBV/m	Grid 8 M4 26.45 dBV/m	Grid 9 M4 26.67 dBV/m



0 dB = 44.81 V/m = 33.03 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 = 19.10 V/m; Power Drift = -0.02 dB

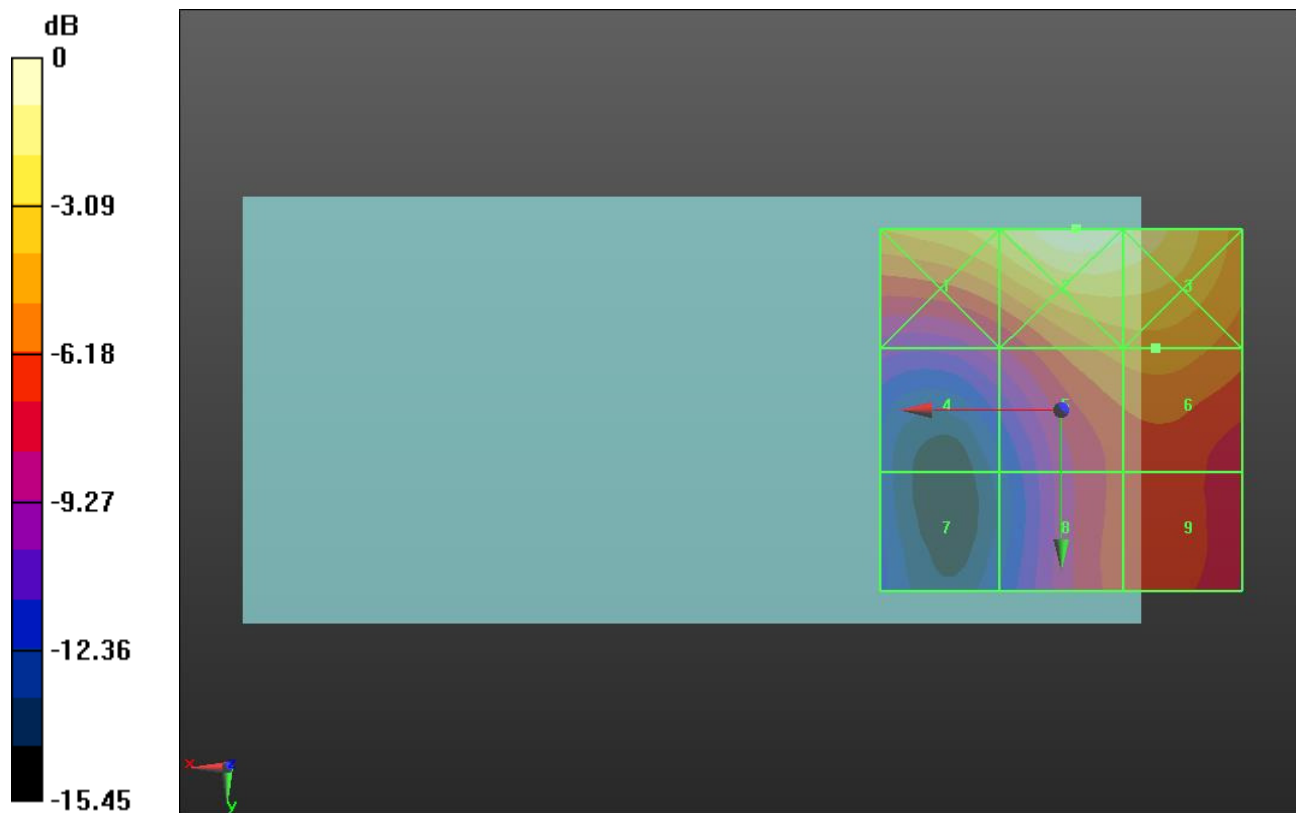
Applied MIF = 0.12 dB

RF audio interference level = 27.33 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 29.74 dBV/m	Grid 2 M3 31.87 dBV/m	Grid 3 M3 31.14 dBV/m
Grid 4 M4 23.45 dBV/m	Grid 5 M4 27.16 dBV/m	Grid 6 M4 27.33 dBV/m
Grid 7 M4 20.03 dBV/m	Grid 8 M4 25.22 dBV/m	Grid 9 M4 25.47 dBV/m



0 dB = 39.24 V/m = 31.87 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 = 21.71 V/m; Power Drift = -0.14 dB

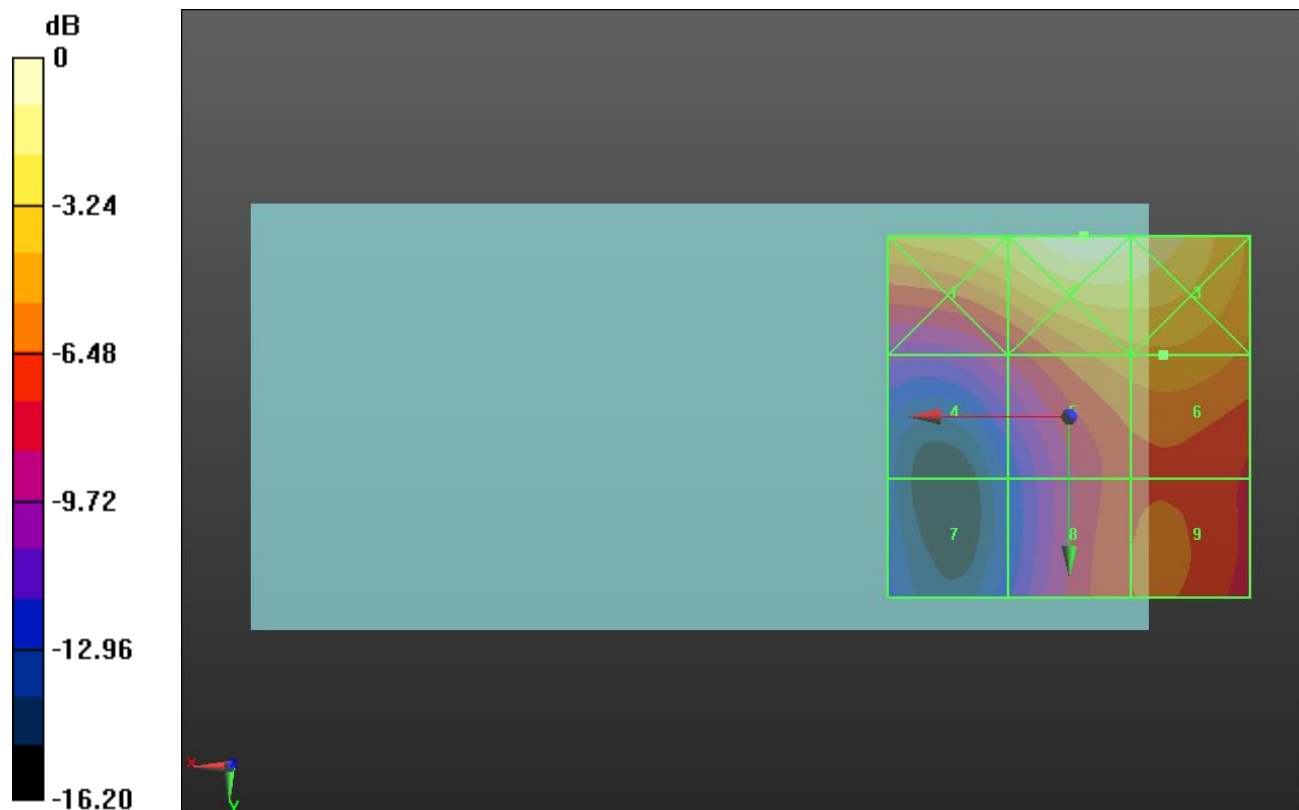
Applied MIF = 0.12 dB

RF audio interference level = 28.41 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M3 30.83 dBV/m	Grid 2 M3 32.91 dBV/m	Grid 3 M3 32.21 dBV/m
Grid 4 M4 24.55 dBV/m	Grid 5 M4 28.22 dBV/m	Grid 6 M4 28.41 dBV/m
Grid 7 M4 20.87 dBV/m	Grid 8 M4 26.48 dBV/m	Grid 9 M4 26.73 dBV/m



0 dB = 44.22 V/m = 32.91 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 = 76.11 V/m; Power Drift = -0.16 dB

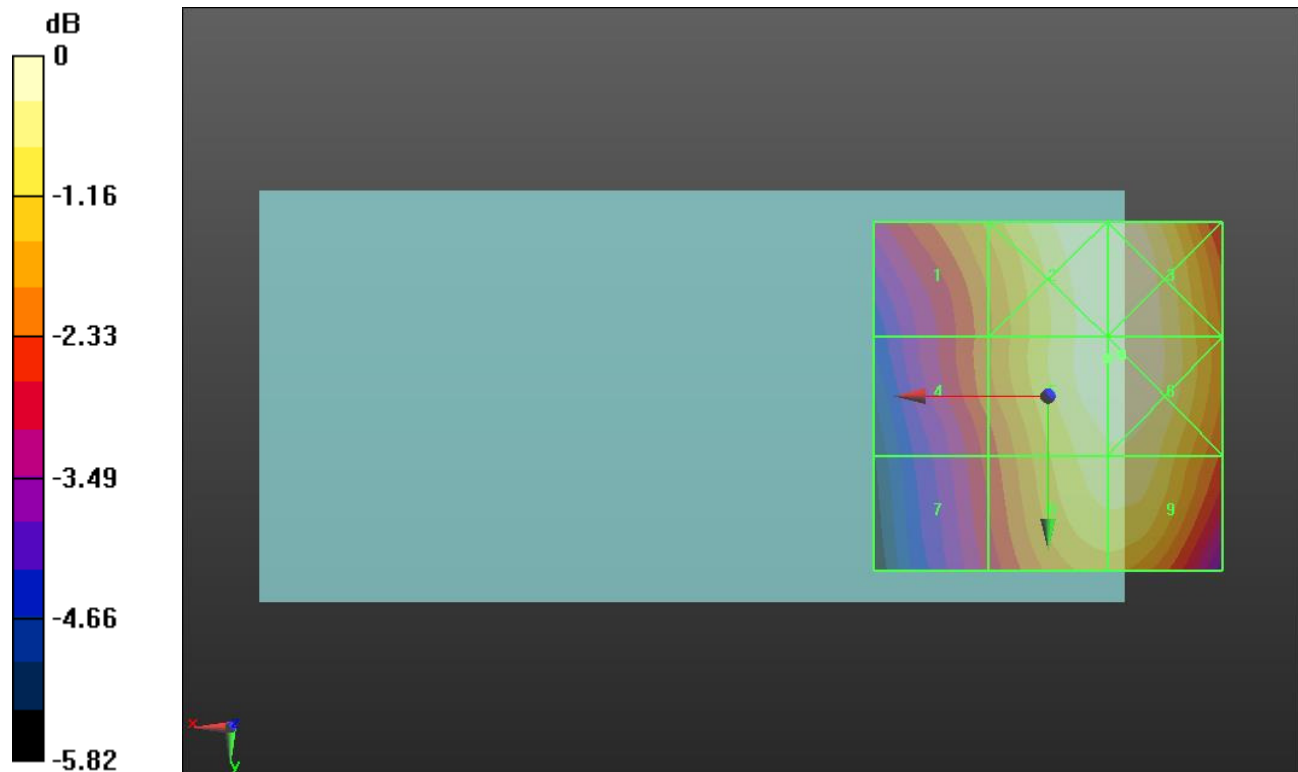
Applied MIF = 3.63 dB

RF audio interference level = 40.07 dBV/m

Emission category: M3

MIF scaled E-field

Grid 1 M4 38.68 dBV/m	Grid 2 M3 40.09 dBV/m	Grid 3 M3 40.09 dBV/m
Grid 4 M4 38.13 dBV/m	Grid 5 M3 40.07 dBV/m	Grid 6 M3 40.11 dBV/m
Grid 7 M4 37.57 dBV/m	Grid 8 M4 39.64 dBV/m	Grid 9 M4 39.67 dBV/m



0 dB = 101.2 V/m = 40.10 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 = 67.65 V/m; Power Drift = -0.08 dB

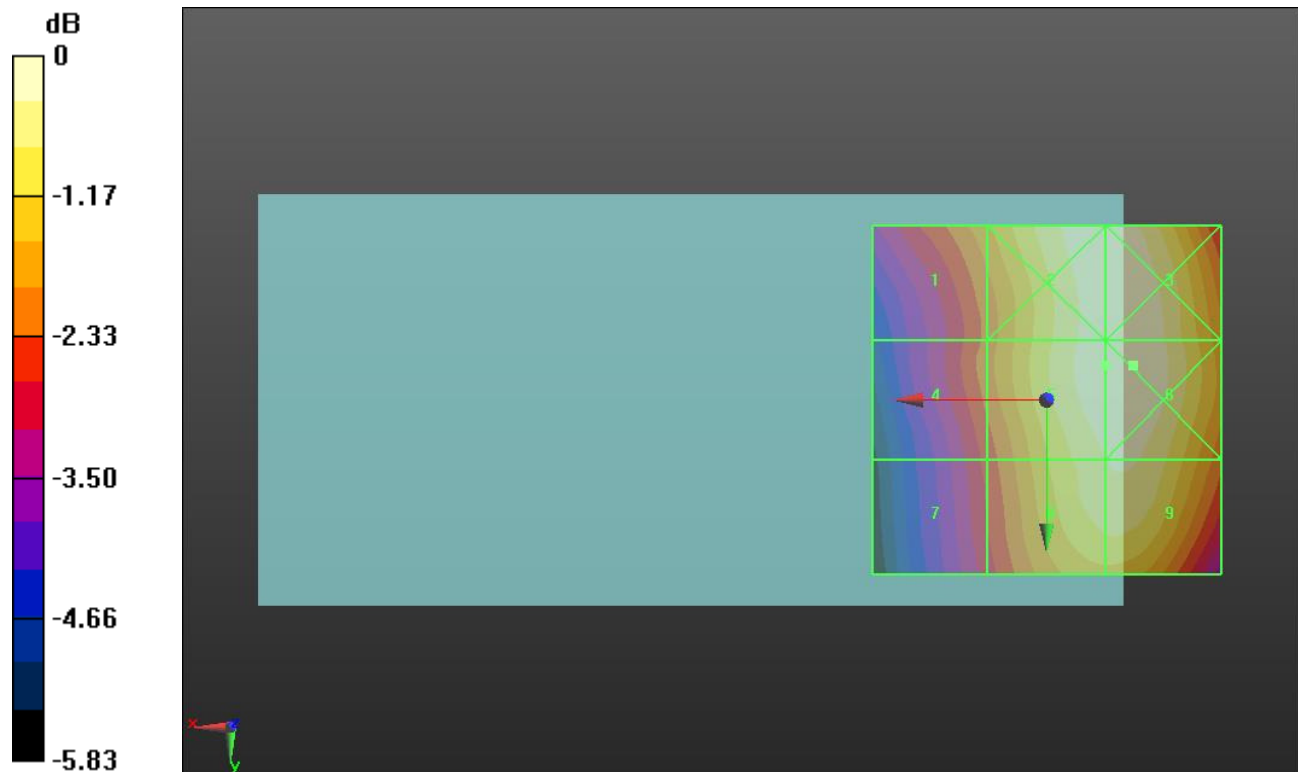
Applied MIF = 3.63 dB

RF audio interference level = 39.13 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 37.59 dBV/m	Grid 2 M4 39.14 dBV/m	Grid 3 M4 39.17 dBV/m
Grid 4 M4 37.12 dBV/m	Grid 5 M4 39.13 dBV/m	Grid 6 M4 39.19 dBV/m
Grid 7 M4 36.64 dBV/m	Grid 8 M4 38.81 dBV/m	Grid 9 M4 38.86 dBV/m



0 dB = 91.13 V/m = 39.19 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 = 67.72 V/m; Power Drift = 0.03 dB

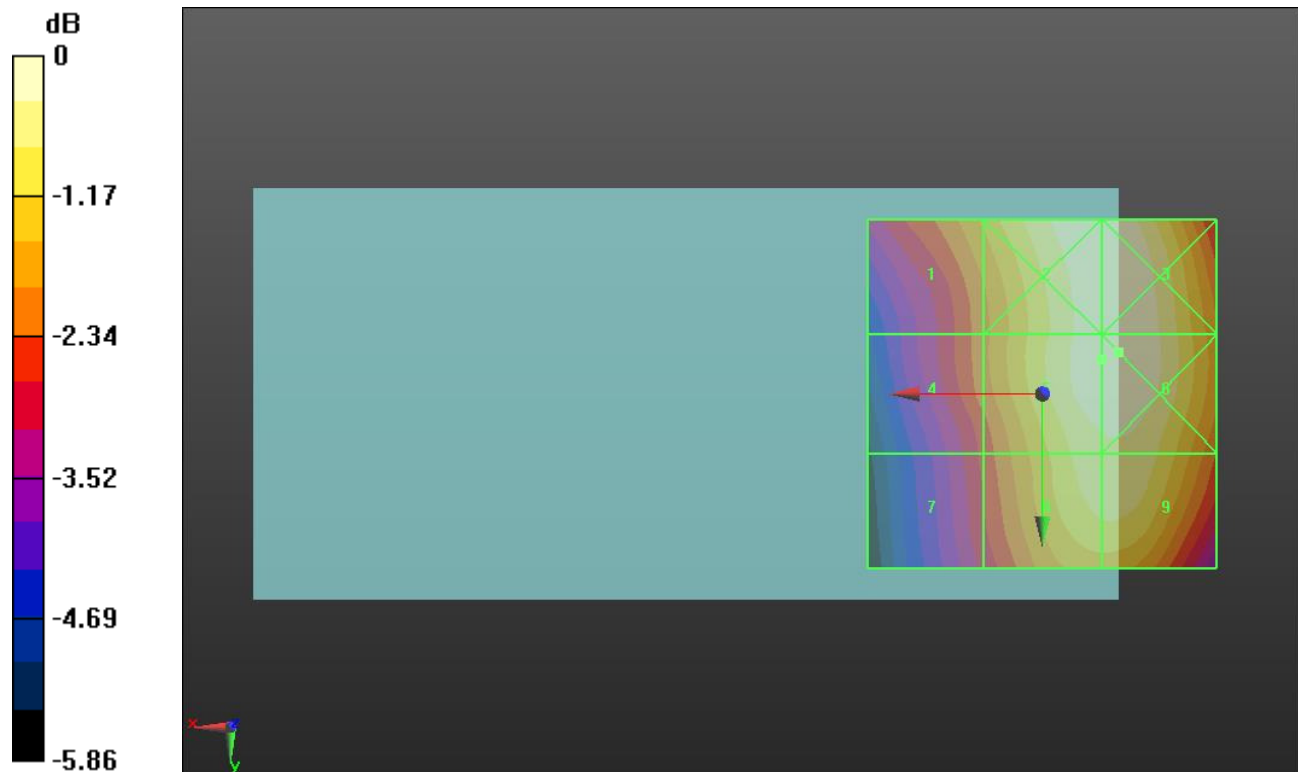
Applied MIF = 3.63 dB

RF audio interference level = 39.23 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 37.79 dBV/m	Grid 2 M4 39.25 dBV/m	Grid 3 M4 39.26 dBV/m
Grid 4 M4 37.21 dBV/m	Grid 5 M4 39.23 dBV/m	Grid 6 M4 39.28 dBV/m
Grid 7 M4 36.68 dBV/m	Grid 8 M4 38.82 dBV/m	Grid 9 M4 38.86 dBV/m



0 dB = 92.02 V/m = 39.28 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 (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 = 15.51 V/m; Power Drift = -0.66 dB

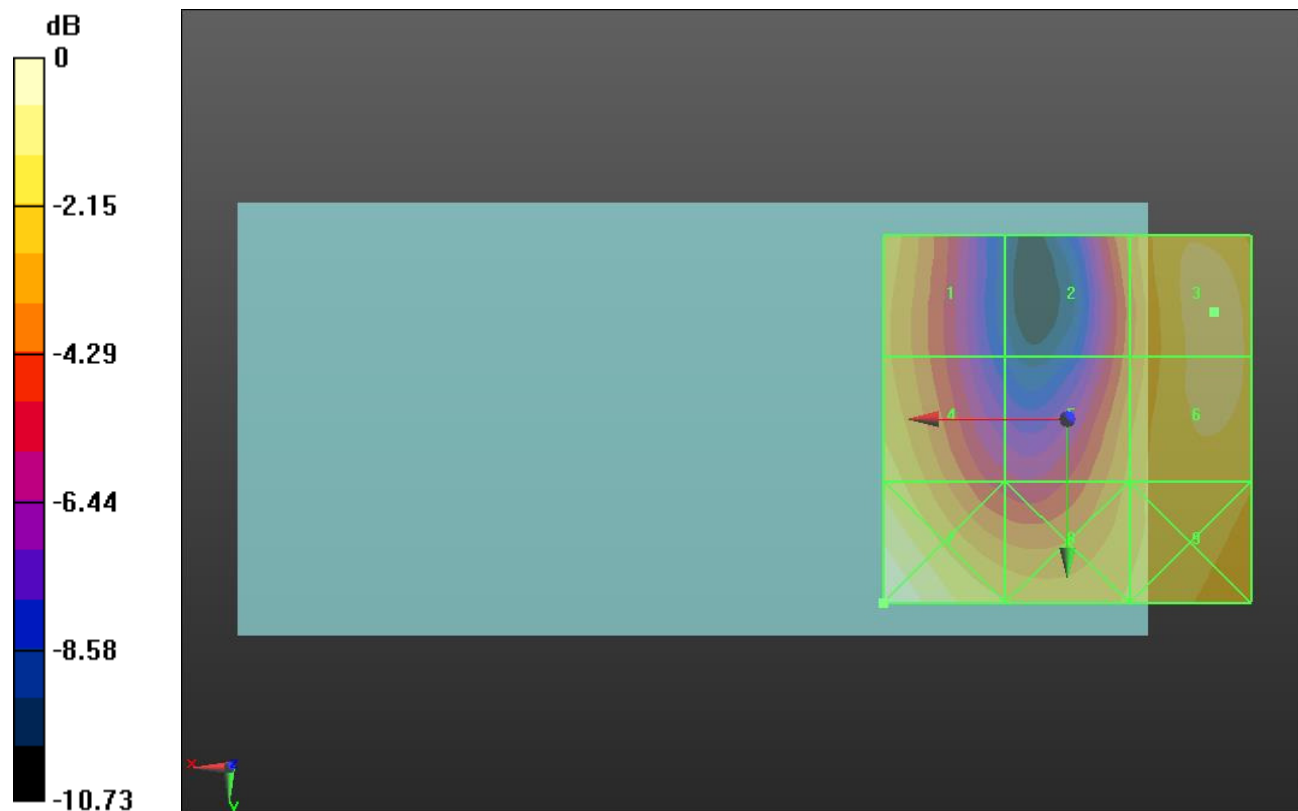
Applied MIF = 3.63 dB

RF audio interference level = 31.82 dBV/m

Emission category: M3

MIF scaled E-field

Grid 1 M3 30.6 dBV/m	Grid 2 M4 29.67 dBV/m	Grid 3 M3 31.82 dBV/m
Grid 4 M3 31.34 dBV/m	Grid 5 M3 30.33 dBV/m	Grid 6 M3 31.73 dBV/m
Grid 7 M3 32.97 dBV/m	Grid 8 M3 30.92 dBV/m	Grid 9 M3 31.37 dBV/m



0 dB = 44.49 V/m = 32.97 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 (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 = 12.85 V/m; Power Drift = -0.06 dB

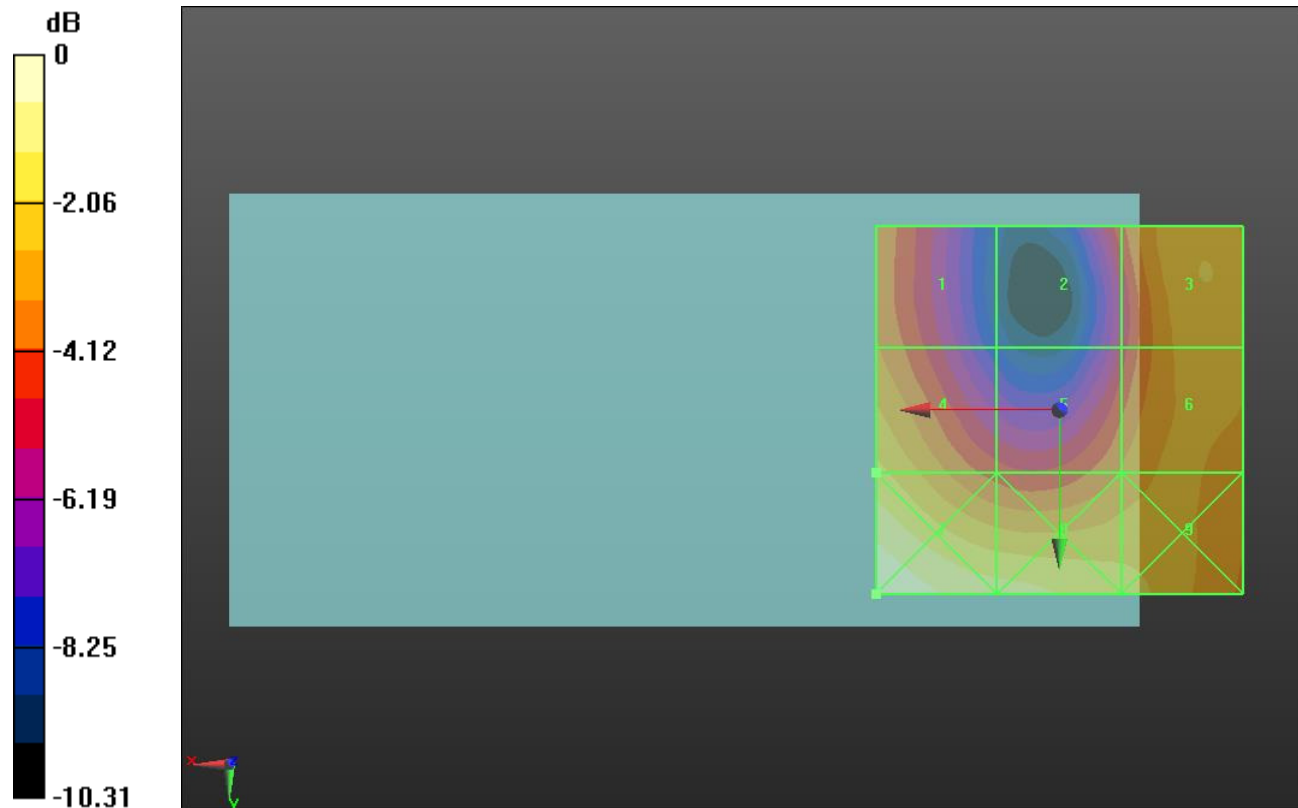
Applied MIF = 3.63 dB

RF audio interference level = 30.49 dBV/m

Emission category: M3

MIF scaled E-field

Grid 1 M4 28.94 dBV/m	Grid 2 M4 28.04 dBV/m	Grid 3 M3 30.25 dBV/m
Grid 4 M3 30.49 dBV/m	Grid 5 M4 28.96 dBV/m	Grid 6 M4 29.99 dBV/m
Grid 7 M3 32.29 dBV/m	Grid 8 M3 31.26 dBV/m	Grid 9 M3 30.51 dBV/m



0 dB = 41.17 V/m = 32.29 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 (7164)

GSM1900 E-Field measurement/Voice_ch 810/Hearing Aid Compatibility Test

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

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 14.88 V/m; Power Drift = -0.12 dB

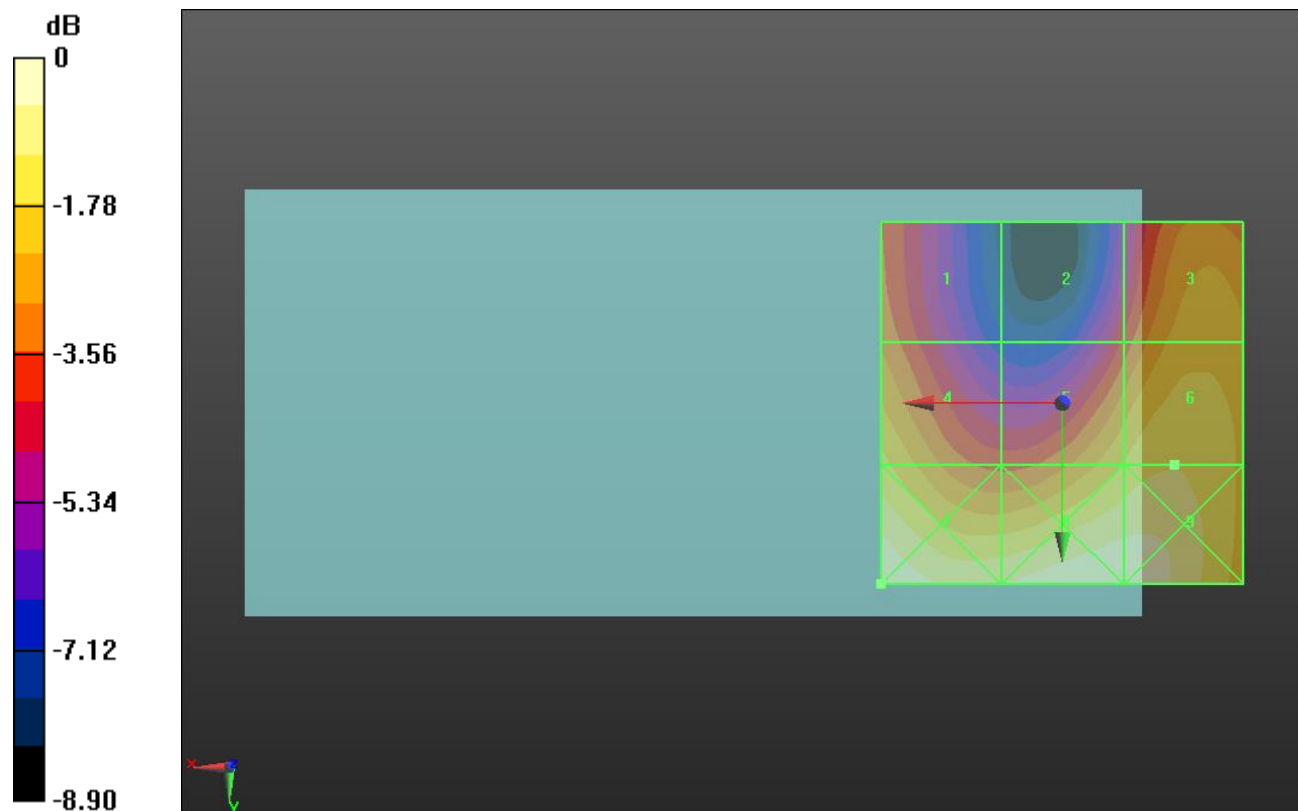
Applied MIF = 3.63 dB

RF audio interference level = 30.22 dBV/m

Emission category: M3

MIF scaled E-field

Grid 1 M4 28.38 dBV/m	Grid 2 M4 27.48 dBV/m	Grid 3 M4 29.5 dBV/m
Grid 4 M4 29.87 dBV/m	Grid 5 M4 29.73 dBV/m	Grid 6 M3 30.22 dBV/m
Grid 7 M3 31.43 dBV/m	Grid 8 M3 31.31 dBV/m	Grid 9 M3 31.24 dBV/m



0 dB = 37.28 V/m = 31.43 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 = 19.19 V/m; Power Drift = -0.01 dB

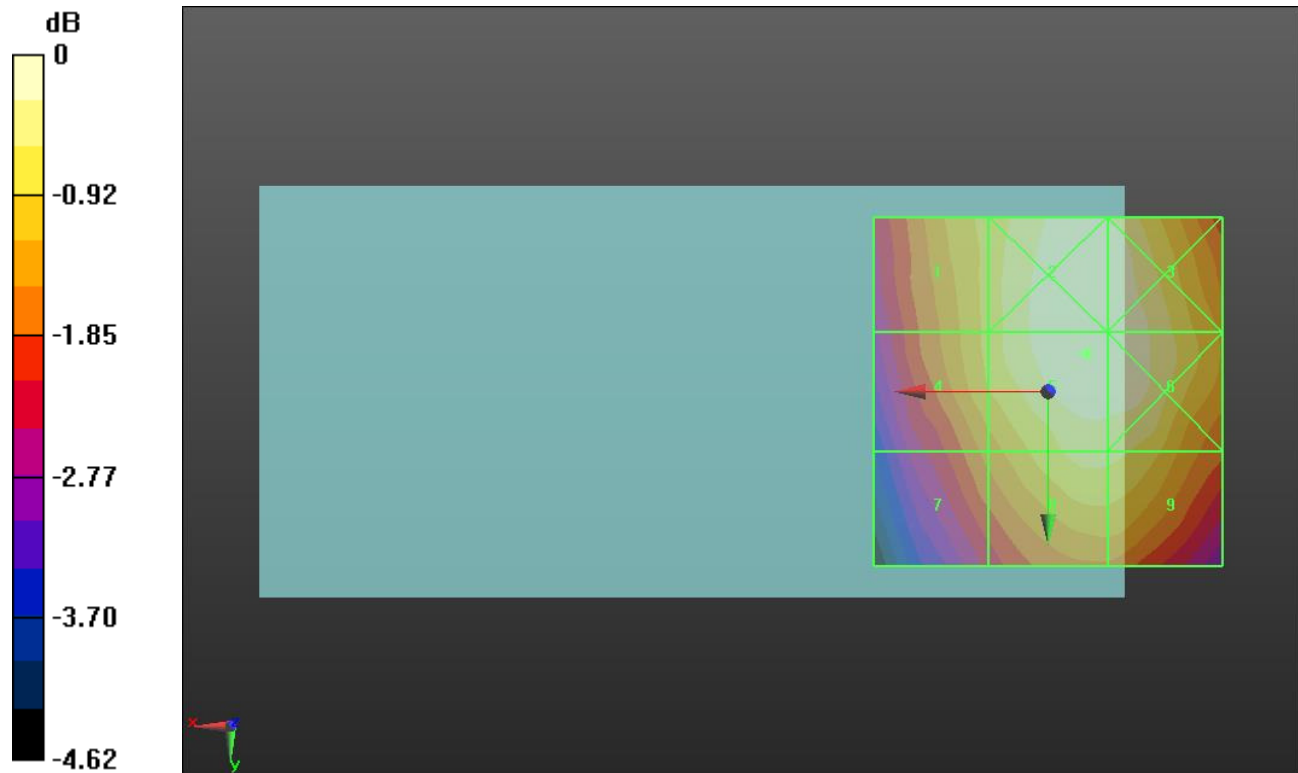
Applied MIF = 3.26 dB

RF audio interference level = 27.50 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 26.71 dBV/m	Grid 2 M4 27.45 dBV/m	Grid 3 M4 27.44 dBV/m
Grid 4 M4 26.69 dBV/m	Grid 5 M4 27.5 dBV/m	Grid 6 M4 27.45 dBV/m
Grid 7 M4 26.1 dBV/m	Grid 8 M4 27 dBV/m	Grid 9 M4 26.98 dBV/m



0 dB = 23.71 V/m = 27.50 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 = 17.31 V/m; Power Drift = -0.04 dB

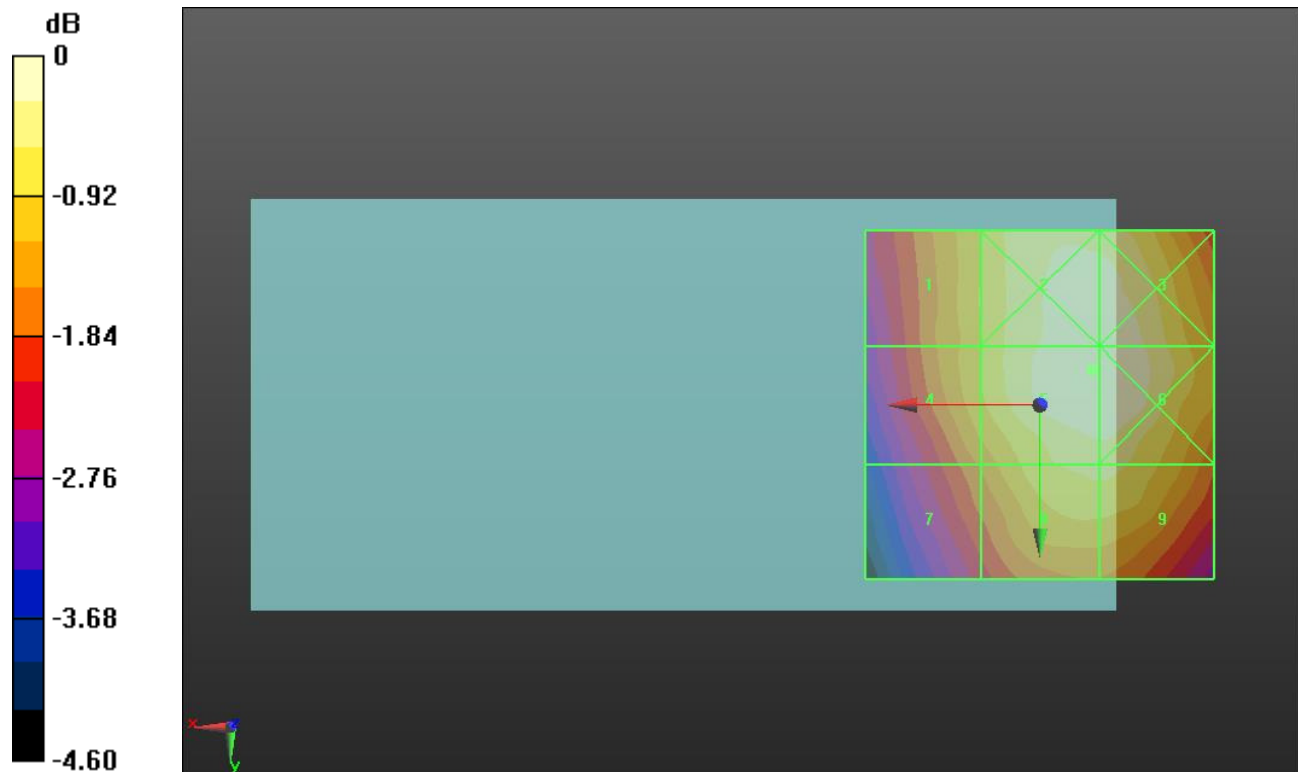
Applied MIF = 3.26 dB

RF audio interference level = 26.71 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 25.81 dBV/m	Grid 2 M4 26.67 dBV/m	Grid 3 M4 26.68 dBV/m
Grid 4 M4 25.81 dBV/m	Grid 5 M4 26.71 dBV/m	Grid 6 M4 26.71 dBV/m
Grid 7 M4 25.24 dBV/m	Grid 8 M4 26.21 dBV/m	Grid 9 M4 26.21 dBV/m



0 dB = 21.65 V/m = 26.71 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 = 16.89 V/m; Power Drift = -0.01 dB

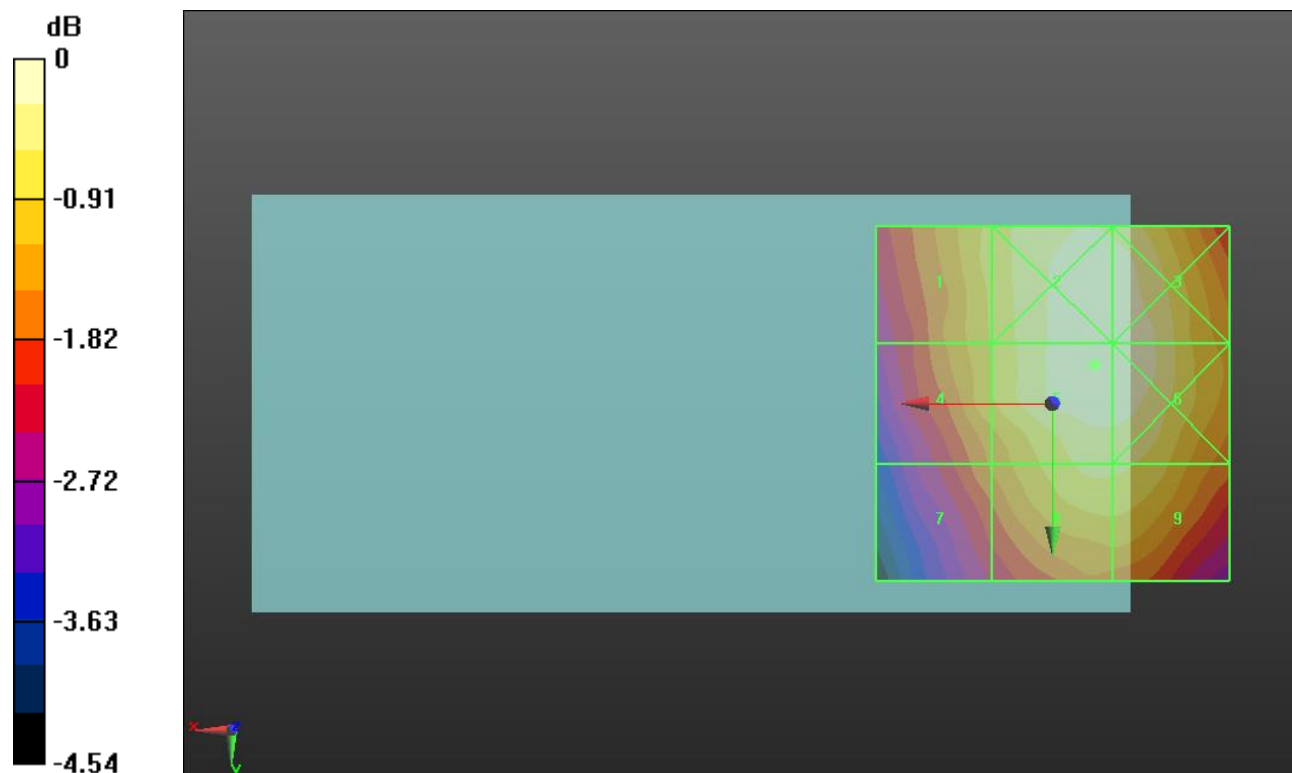
Applied MIF = 3.26 dB

RF audio interference level = 26.54 dBV/m

Emission category: **M4**

MIF scaled E-field

Grid 1 M4 25.77 dBV/m	Grid 2 M4 26.46 dBV/m	Grid 3 M4 26.45 dBV/m
Grid 4 M4 25.66 dBV/m	Grid 5 M4 26.54 dBV/m	Grid 6 M4 26.51 dBV/m
Grid 7 M4 25.09 dBV/m	Grid 8 M4 26.03 dBV/m	Grid 9 M4 26.02 dBV/m



0 dB = 21.22 V/m = 26.53 dBV/m

Test Laboratory: UL Verification Services Inc. SAR Lab C

Date: 12/15/2015

HAC-RF Emission LAT

Plot No. 30

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 = 10.45 V/m; Power Drift = 0.01 dB

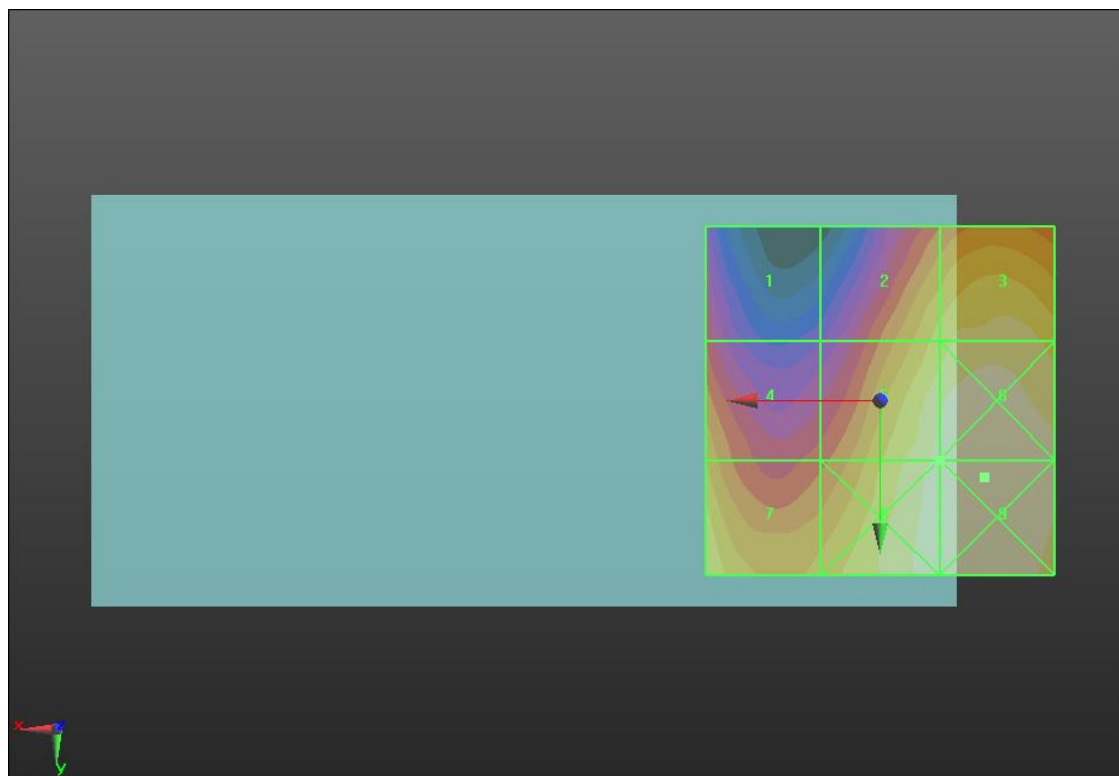
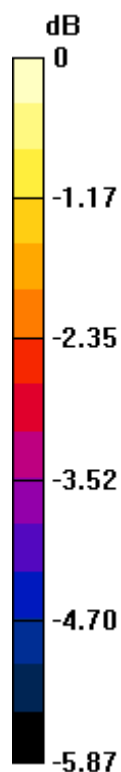
Applied MIF = 3.26 dB

RF audio interference level = 24.03 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 21.6 dBV/m	Grid 2 M4 23.33 dBV/m	Grid 3 M4 23.73 dBV/m
Grid 4 M4 22.76 dBV/m	Grid 5 M4 24.03 dBV/m	Grid 6 M4 24.28 dBV/m
Grid 7 M4 23.58 dBV/m	Grid 8 M4 24.14 dBV/m	Grid 9 M4 24.3 dBV/m



0 dB = 16.41 V/m = 24.30 dBV/m

Test Laboratory: UL Verification Services Inc. SAR Lab C

Date: 12/15/2015

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)

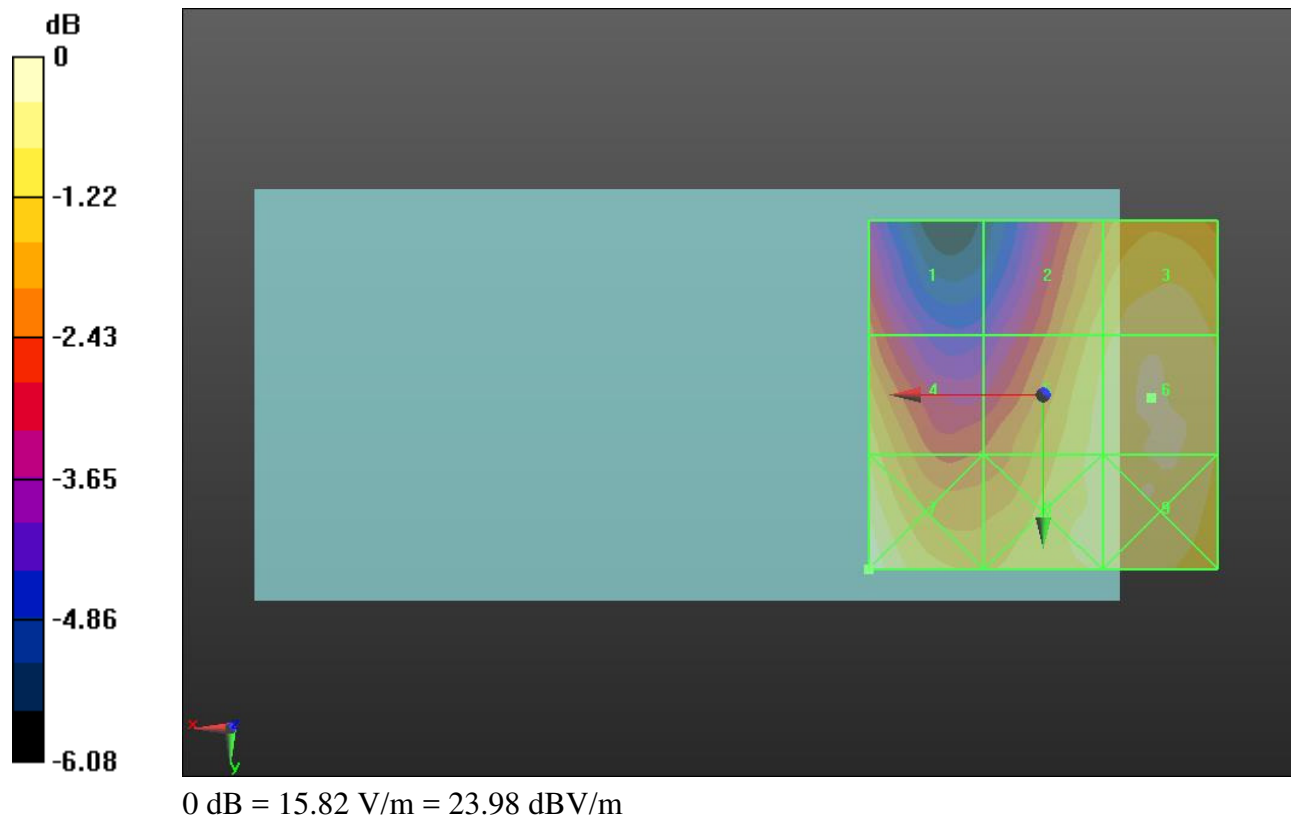
CDMA BC1 E-Field measurement/RC1_SO3_Ch 600/Hearing Aid Compatibility Test (101x101x1):

Interpolated grid: dx=0.5000 mm, dy=0.5000 mm
Device Reference Point: 0, 0, -6.3 mm
Reference Value = 9.770 V/m; Power Drift = 0.01 dB
Applied MIF = 3.26 dB
RF audio interference level = 23.64 dBV/m

Emission category: **M4**

MIF scaled E-field

Grid 1 M4 21.83 dBV/m	Grid 2 M4 23.02 dBV/m	Grid 3 M4 23.51 dBV/m
Grid 4 M4 23.13 dBV/m	Grid 5 M4 23.36 dBV/m	Grid 6 M4 23.64 dBV/m
Grid 7 M4 23.98 dBV/m	Grid 8 M4 23.36 dBV/m	Grid 9 M4 23.61 dBV/m



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 = 9.468 V/m; Power Drift = -0.02 dB

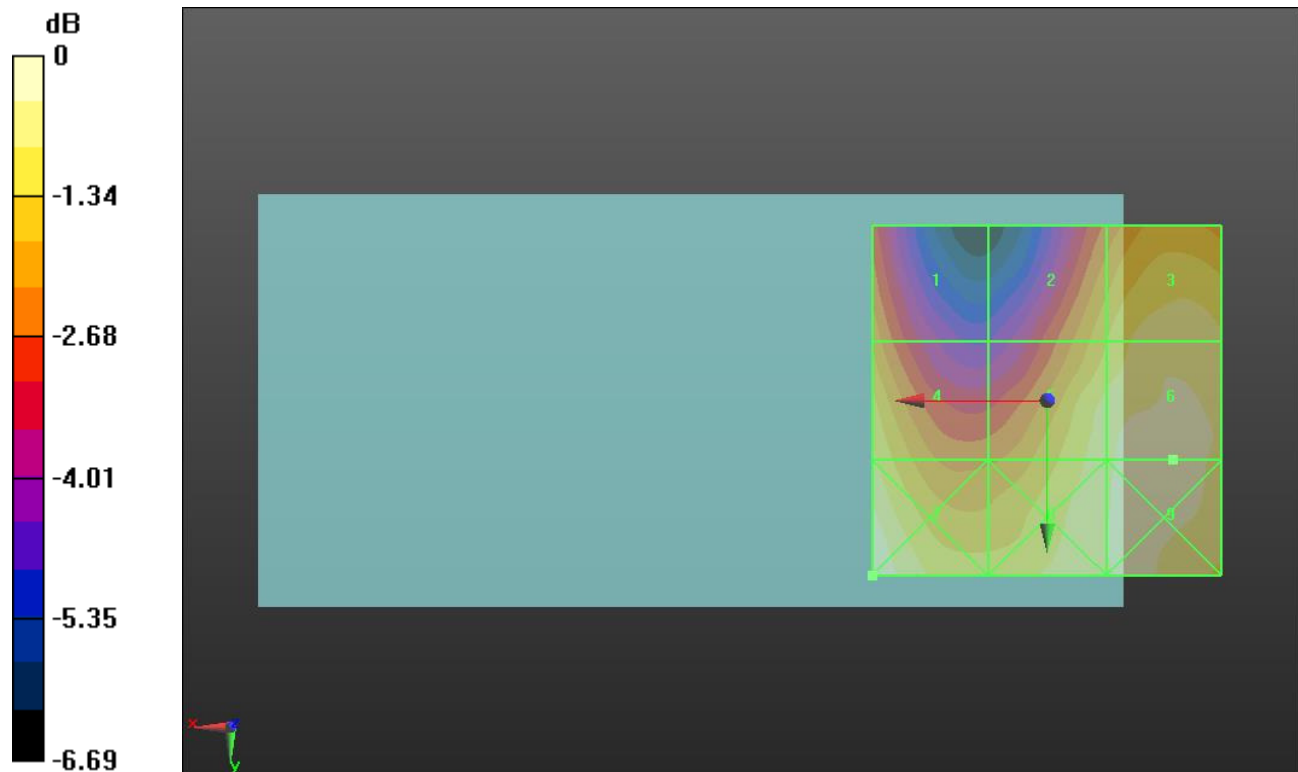
Applied MIF = 3.26 dB

RF audio interference level = 23.73 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 22.18 dBV/m	Grid 2 M4 22.69 dBV/m	Grid 3 M4 23.43 dBV/m
Grid 4 M4 23.26 dBV/m	Grid 5 M4 23.47 dBV/m	Grid 6 M4 23.73 dBV/m
Grid 7 M4 24.02 dBV/m	Grid 8 M4 23.58 dBV/m	Grid 9 M4 23.78 dBV/m



0 dB = 15.89 V/m = 24.02 dBV/m

Test Laboratory: UL Verification Services Inc. SAR Lab C

Date: 12/15/2015

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 (7164)

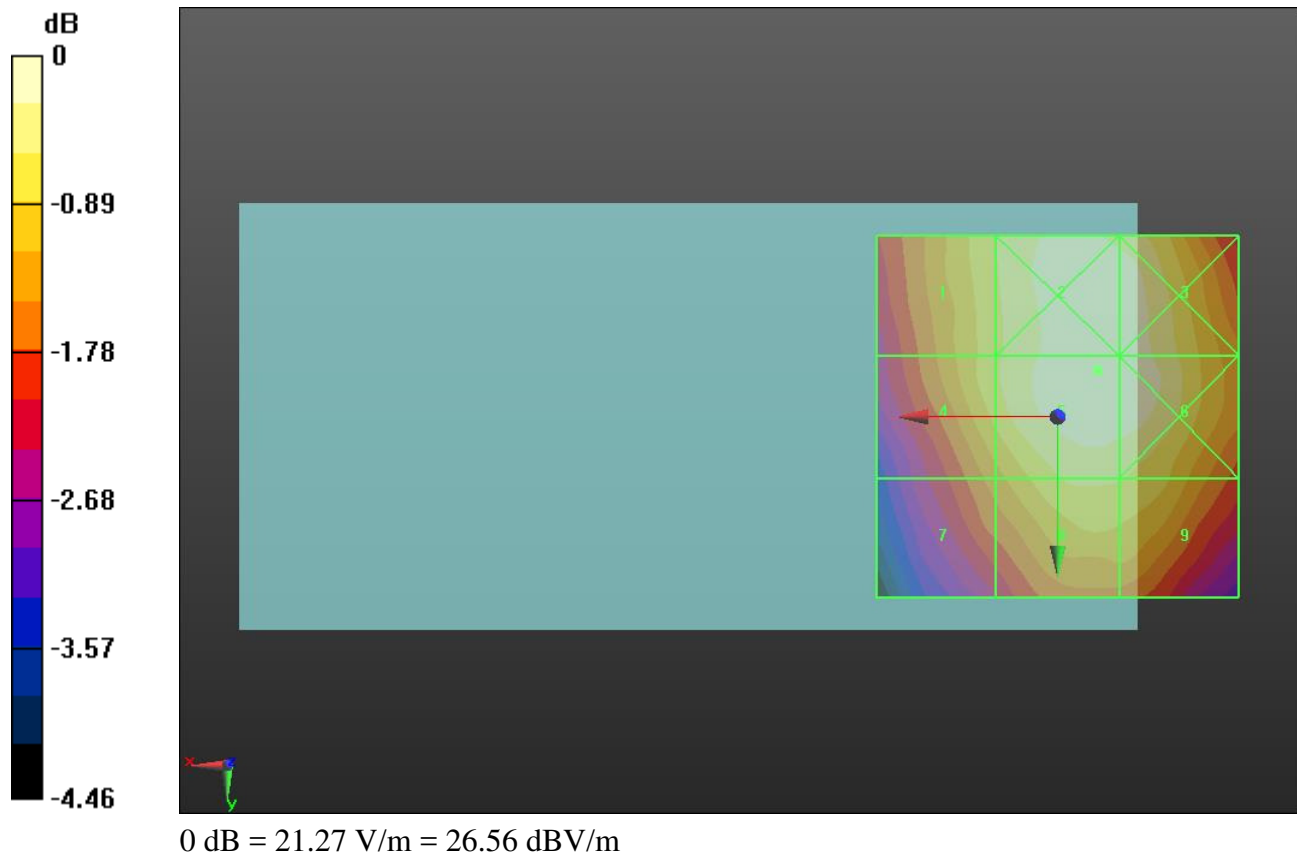
CDMA BC10 E-Field measurement/RC1_SO3_ch 476/Hearing Aid Compatibility Test (101x101x1): Interpolated grid: dx=0.5000 mm, dy=0.5000 mm

Device Reference Point: 0, 0, -6.3 mm
Reference Value = 17.22 V/m; Power Drift = 0.02 dB
Applied MIF = 3.26 dB
RF audio interference level = 26.56 dBV/m

Emission category: **M4**

MIF scaled E-field

Grid 1 M4 25.97 dBV/m	Grid 2 M4 26.56 dBV/m	Grid 3 M4 26.49 dBV/m
Grid 4 M4 25.93 dBV/m	Grid 5 M4 26.56 dBV/m	Grid 6 M4 26.5 dBV/m
Grid 7 M4 25.25 dBV/m	Grid 8 M4 26.02 dBV/m	Grid 9 M4 25.98 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 (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 = 17.70 V/m; Power Drift = -0.09 dB

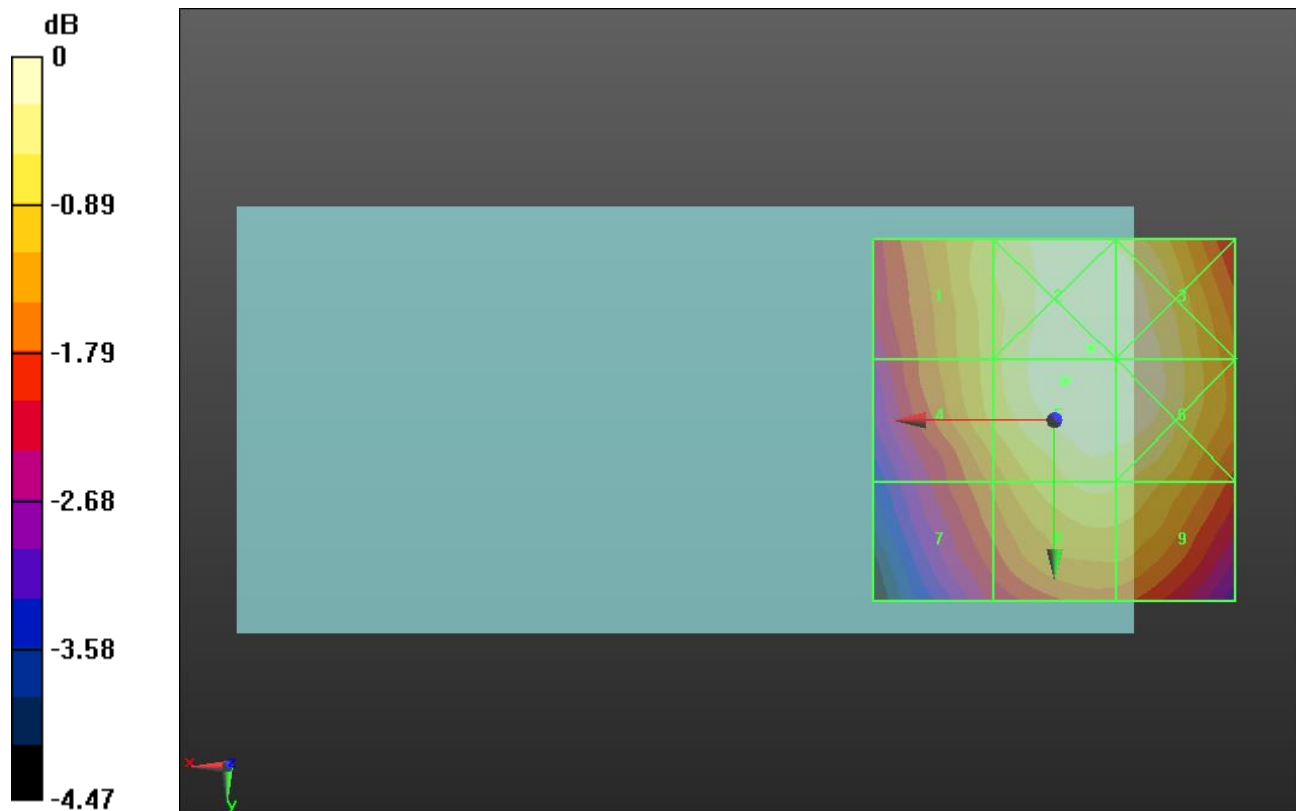
Applied MIF = 3.26 dB

RF audio interference level = 26.76 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 26.16 dBV/m	Grid 2 M4 26.76 dBV/m	Grid 3 M4 26.67 dBV/m
Grid 4 M4 26.06 dBV/m	Grid 5 M4 26.76 dBV/m	Grid 6 M4 26.7 dBV/m
Grid 7 M4 25.38 dBV/m	Grid 8 M4 26.27 dBV/m	Grid 9 M4 26.23 dBV/m



0 dB = 21.79 V/m = 26.77 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 (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 = 29.36 V/m; Power Drift = -0.16 dB

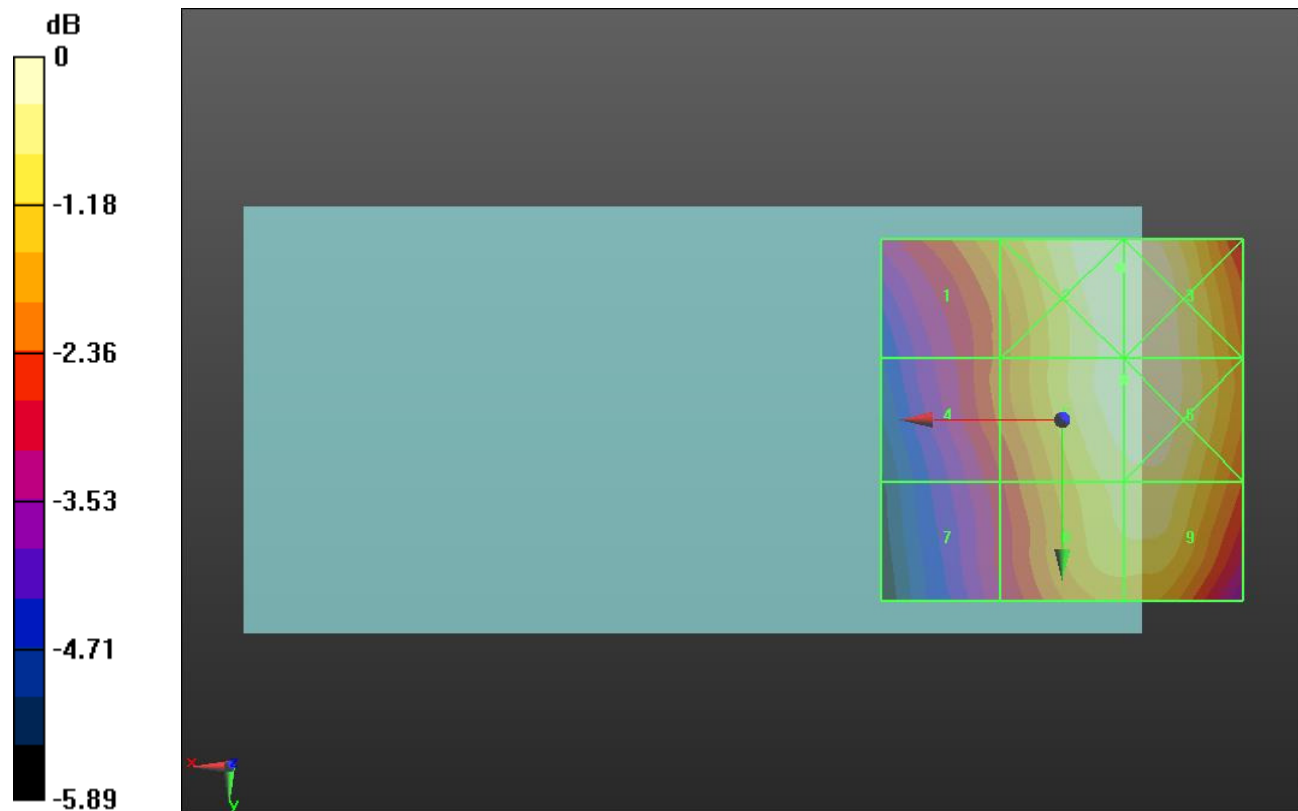
Applied MIF = 3.26 dB

RF audio interference level = 31.67 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 30.25 dBV/m	Grid 2 M4 31.75 dBV/m	Grid 3 M4 31.74 dBV/m
Grid 4 M4 29.63 dBV/m	Grid 5 M4 31.67 dBV/m	Grid 6 M4 31.72 dBV/m
Grid 7 M4 28.97 dBV/m	Grid 8 M4 31.17 dBV/m	Grid 9 M4 31.26 dBV/m



0 dB = 38.66 V/m = 31.75 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 (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 = 10.46 V/m; Power Drift = -0.12 dB

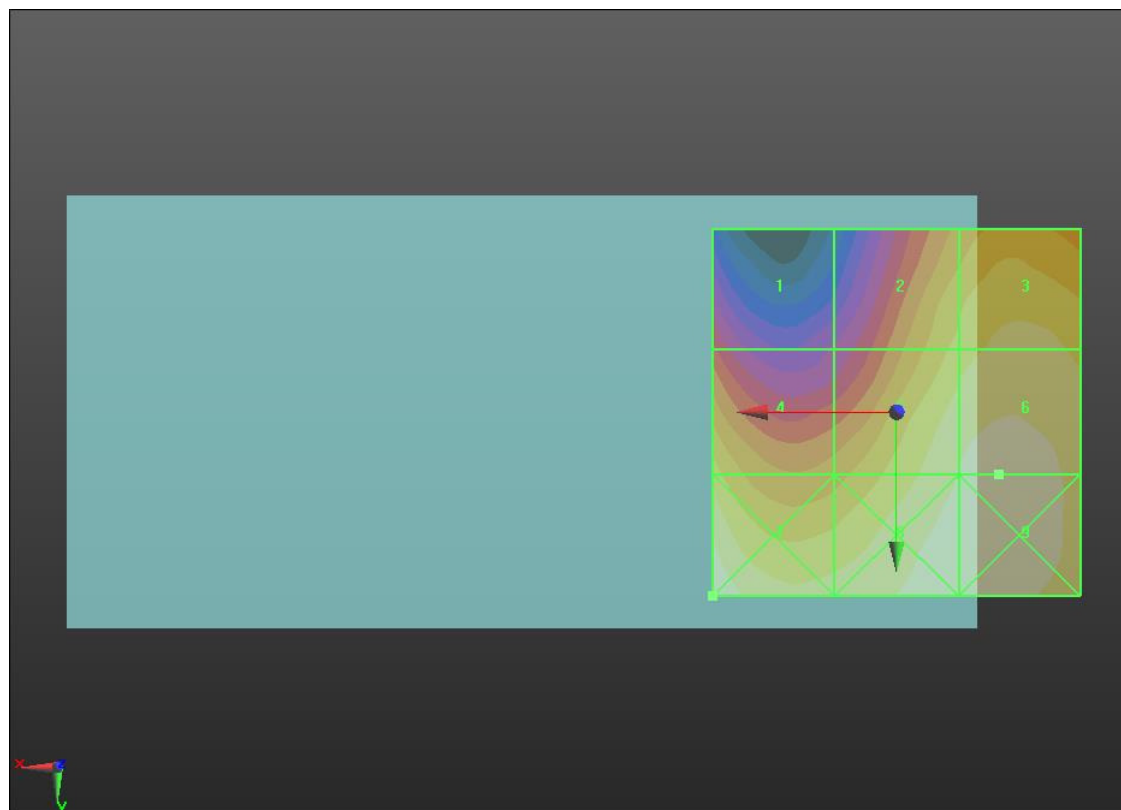
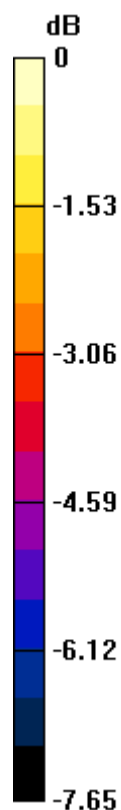
Applied MIF = 3.26 dB

RF audio interference level = 24.52 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 21.41 dBV/m	Grid 2 M4 23.47 dBV/m	Grid 3 M4 23.99 dBV/m
Grid 4 M4 23.56 dBV/m	Grid 5 M4 24.32 dBV/m	Grid 6 M4 24.52 dBV/m
Grid 7 M4 24.81 dBV/m	Grid 8 M4 24.59 dBV/m	Grid 9 M4 24.67 dBV/m



0 dB = 17.40 V/m = 24.81 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 (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 = 10.70 V/m; Power Drift = -0.08 dB

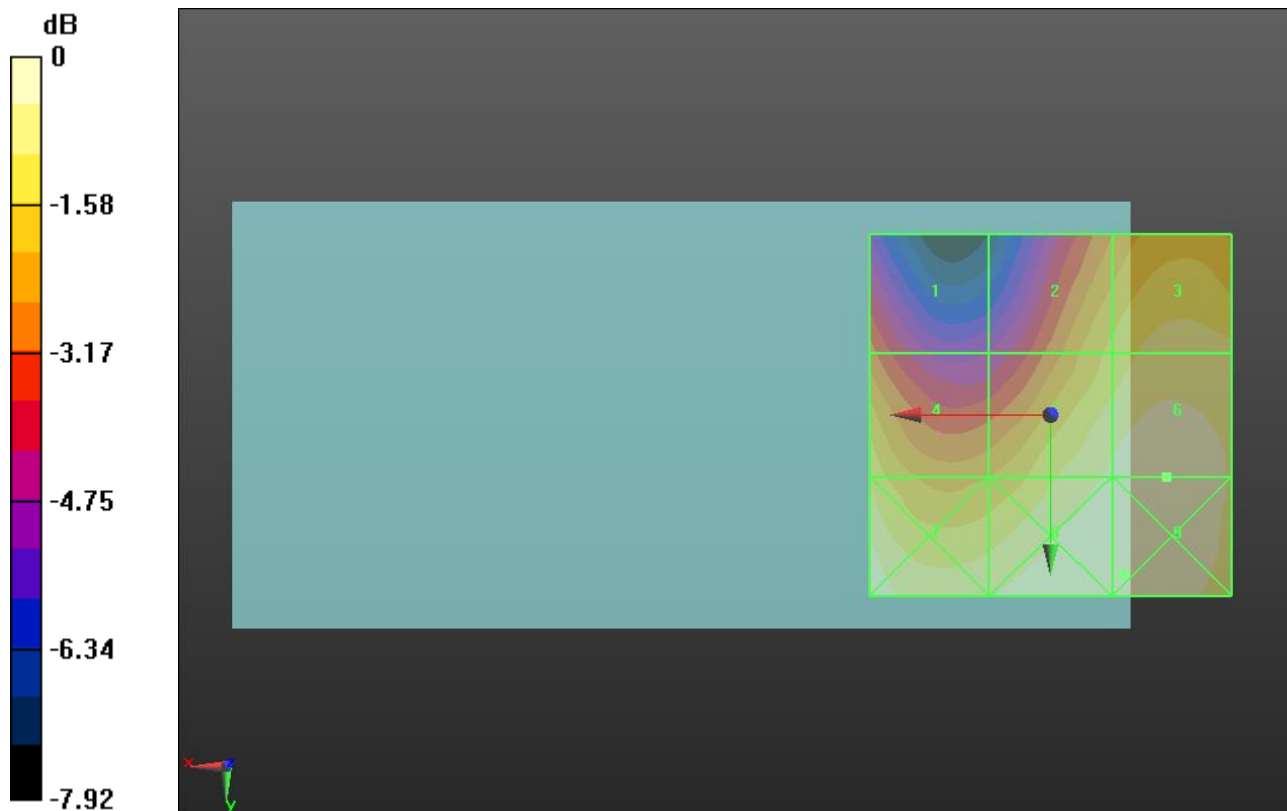
Applied MIF = 3.26 dB

RF audio interference level = 24.84 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 22.15 dBV/m	Grid 2 M4 23.61 dBV/m	Grid 3 M4 24.22 dBV/m
Grid 4 M4 23.89 dBV/m	Grid 5 M4 24.58 dBV/m	Grid 6 M4 24.84 dBV/m
Grid 7 M4 25.01 dBV/m	Grid 8 M4 25.02 dBV/m	Grid 9 M4 25.02 dBV/m



0 dB = 17.83 V/m = 25.02 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 (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 = 10.65 V/m; Power Drift = 0.05 dB

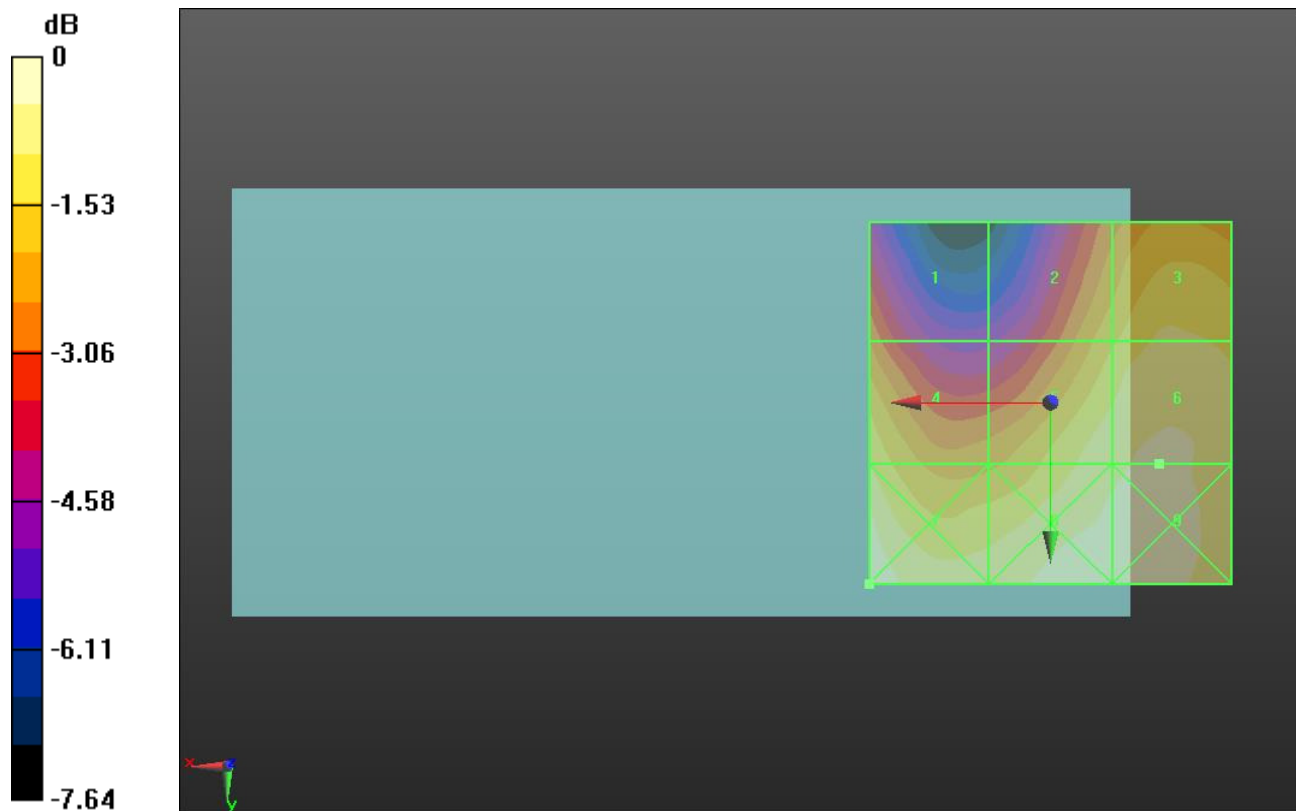
Applied MIF = 3.26 dB

RF audio interference level = 24.90 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 22.73 dBV/m	Grid 2 M4 23.66 dBV/m	Grid 3 M4 24.36 dBV/m
Grid 4 M4 24.29 dBV/m	Grid 5 M4 24.62 dBV/m	Grid 6 M4 24.9 dBV/m
Grid 7 M4 25.27 dBV/m	Grid 8 M4 25.05 dBV/m	Grid 9 M4 25.08 dBV/m



0 dB = 18.34 V/m = 25.27 dBV/m