

HAC-RF Emission UAT

Communication System: UID 10021 - DAC, GSM-FDD (TDMA, GMSK); Frequency: 824.2 MHz; Duty Cycle: 1:8.6896

Phantom section: RF Section

DASY5 Configuration:

- Probe: ER3DV6 - SN2509; ConvF(1, 1, 1); Calibrated: 5/12/2017;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1377; Calibrated: 9/14/2016
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

GSM850 E-Field measurement/Voice_ch 128/Hearing Aid Compatibility Test

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

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 63.07 V/m; Power Drift = -0.64 dB

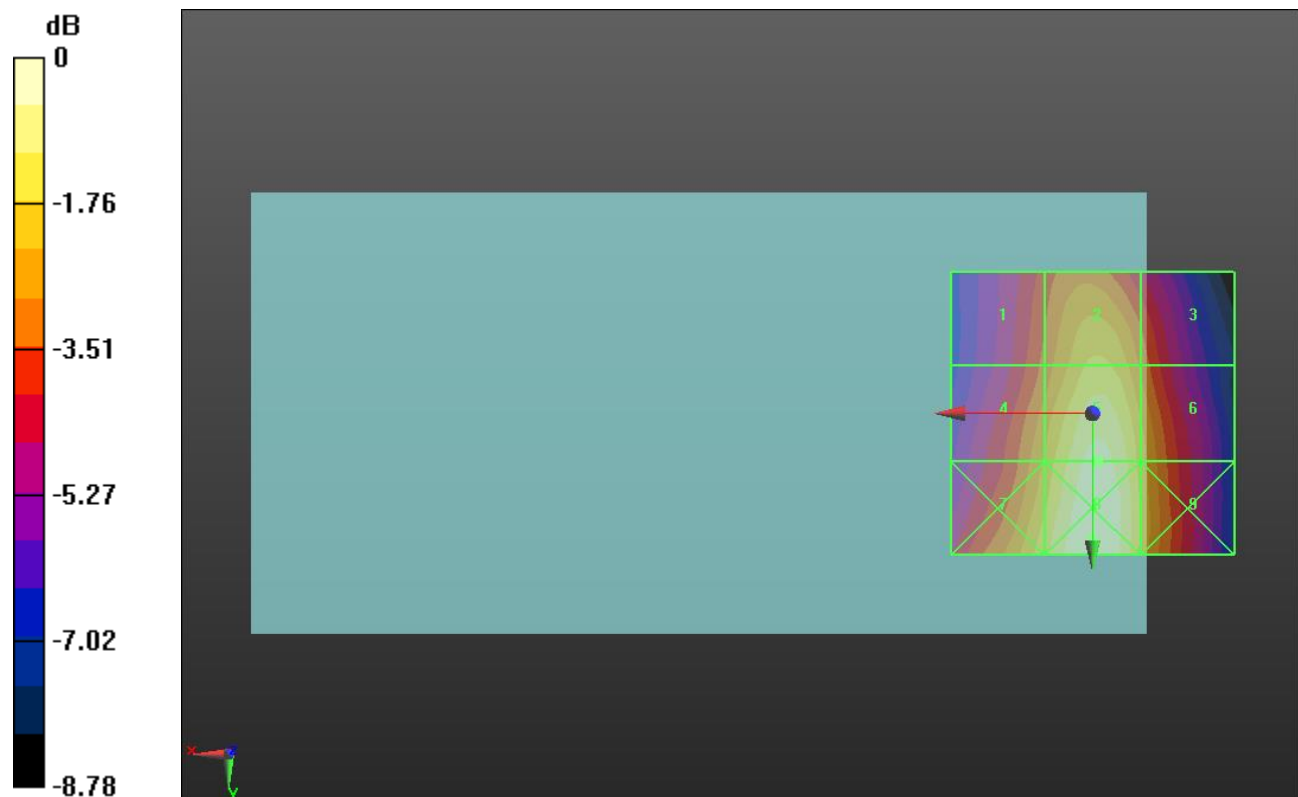
Applied MIF = 3.63 dB

RF audio interference level = 35.74 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 32.82 dBV/m	Grid 2 M4 34.51 dBV/m	Grid 3 M4 33.11 dBV/m
Grid 4 M4 33.88 dBV/m	Grid 5 M4 35.74 dBV/m	Grid 6 M4 34.12 dBV/m
Grid 7 M4 34.78 dBV/m	Grid 8 M4 36.12 dBV/m	Grid 9 M4 34.35 dBV/m



0 dB = 63.94 V/m = 36.12 dBV/m

HAC-RF Emission UAT

Communication System: UID 10021 - DAC, GSM-FDD (TDMA, GMSK); Frequency: 836.6 MHz; Duty Cycle: 1:8.6896

Phantom section: RF Section

DASY5 Configuration:

- Probe: ER3DV6 - SN2509; ConvF(1, 1, 1); Calibrated: 5/12/2017;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1377; Calibrated: 9/14/2016
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

GSM850 E-Field measurement/Voice_ch 190/Hearing Aid Compatibility Test

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

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 61.17 V/m; Power Drift = -0.06 dB

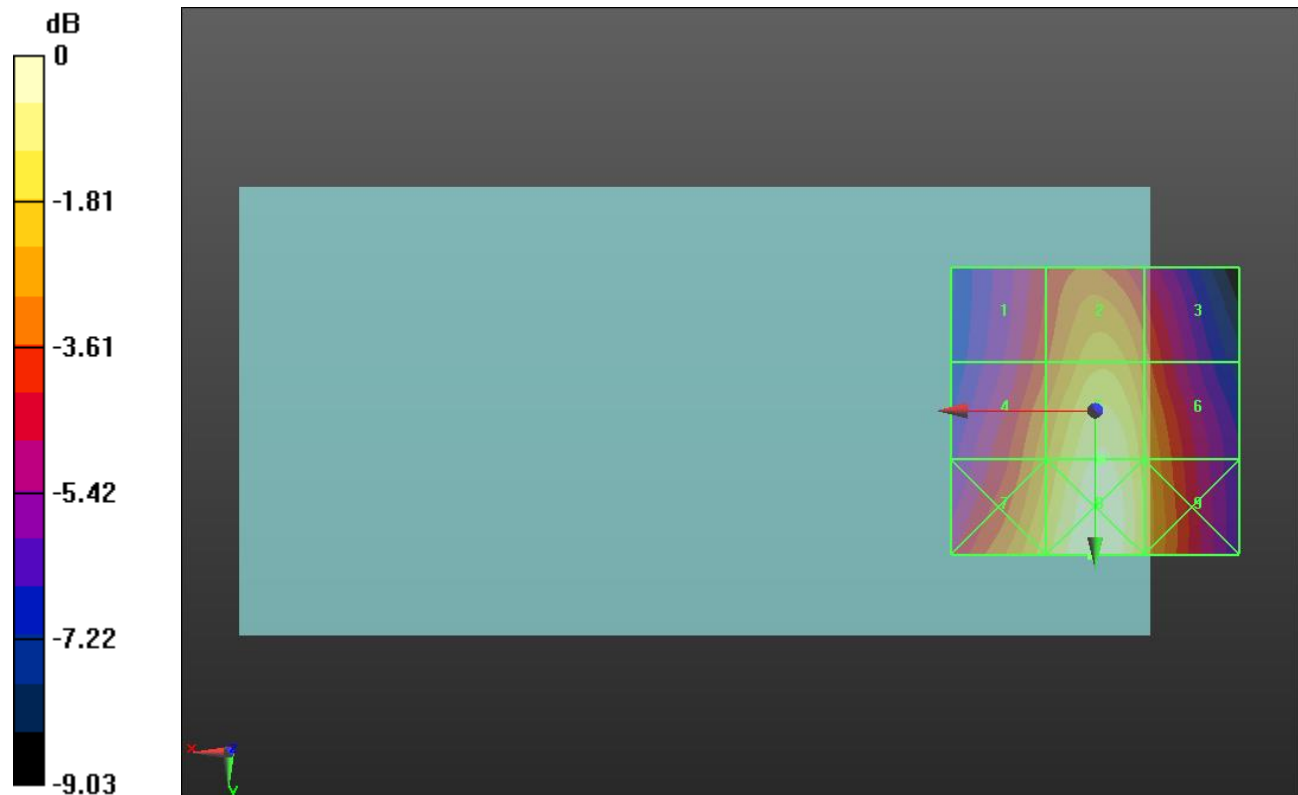
Applied MIF = 3.63 dB

RF audio interference level = 35.51 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 32.33 dBV/m	Grid 2 M4 34.08 dBV/m	Grid 3 M4 32.75 dBV/m
Grid 4 M4 33.58 dBV/m	Grid 5 M4 35.51 dBV/m	Grid 6 M4 33.93 dBV/m
Grid 7 M4 34.61 dBV/m	Grid 8 M4 36.01 dBV/m	Grid 9 M4 34.22 dBV/m



0 dB = 63.18 V/m = 36.01 dBV/m

HAC-RF Emission UAT

Communication System: UID 10021 - DAC, GSM-FDD (TDMA, GMSK); Frequency: 848.6 MHz; Duty Cycle: 1:8.6896

Phantom section: RF Section

DASY5 Configuration:

- Probe: ER3DV6 - SN2509; ConvF(1, 1, 1); Calibrated: 5/12/2017;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1377; Calibrated: 9/14/2016
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

GSM850 E-Field measurement/Voice_ch 251/Hearing Aid Compatibility Test

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

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 69.77 V/m; Power Drift = -0.09 dB

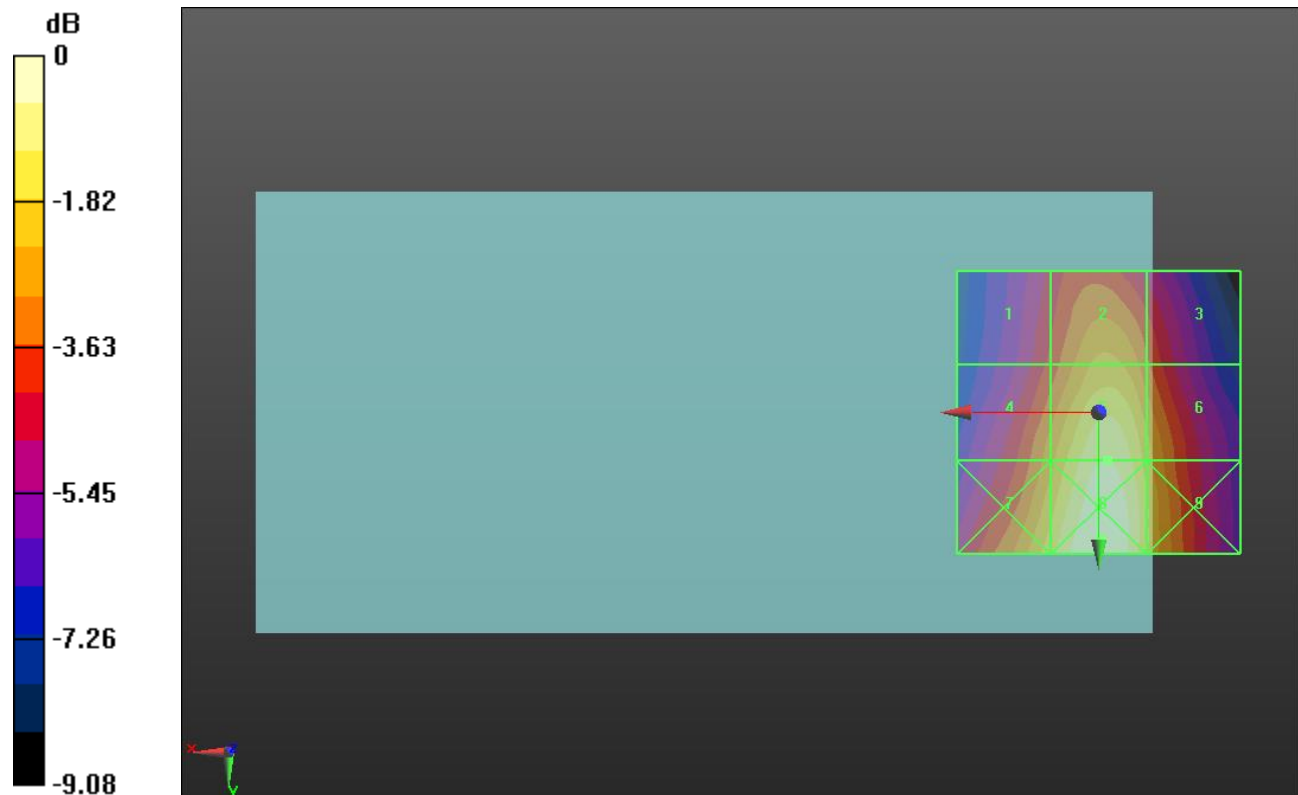
Applied MIF = 3.63 dB

RF audio interference level = 36.85 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 33.44 dBV/m	Grid 2 M4 35.23 dBV/m	Grid 3 M4 33.96 dBV/m
Grid 4 M4 34.82 dBV/m	Grid 5 M4 36.85 dBV/m	Grid 6 M4 35.33 dBV/m
Grid 7 M4 36.05 dBV/m	Grid 8 M4 37.43 dBV/m	Grid 9 M4 35.73 dBV/m



0 dB = 74.40 V/m = 37.43 dBV/m

HAC-RF Emission UAT

Communication System: UID 10021 - DAC, GSM-FDD (TDMA, GMSK); Frequency: 1850.2 MHz; Duty Cycle: 1:8.6896

Phantom section: RF Section

DASY5 Configuration:

- Probe: ER3DV6 - SN2509; ConvF(1, 1, 1); Calibrated: 5/12/2017;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1377; Calibrated: 9/14/2016
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

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

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

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 38.98 V/m; Power Drift = -0.09 dB

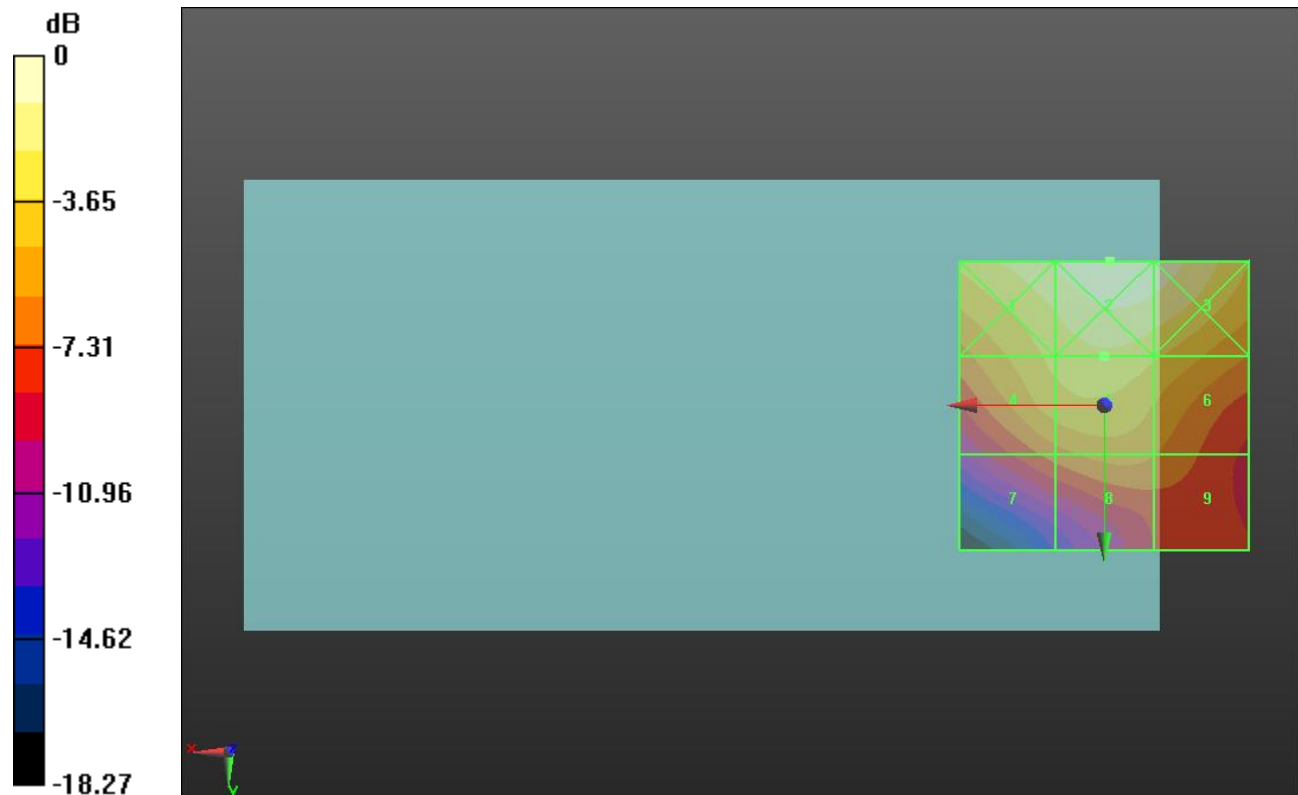
Applied MIF = 3.63 dB

RF audio interference level = 33.08 dBV/m

Emission category: M3

MIF scaled E-field

Grid 1 M3 34.7 dBV/m	Grid 2 M2 35.74 dBV/m	Grid 3 M2 35.23 dBV/m
Grid 4 M3 32.45 dBV/m	Grid 5 M3 33.08 dBV/m	Grid 6 M3 32.32 dBV/m
Grid 7 M4 29.04 dBV/m	Grid 8 M3 30.16 dBV/m	Grid 9 M4 29.7 dBV/m



0 dB = 61.23 V/m = 35.74 dBV/m

HAC-RF Emission UAT

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

Phantom section: RF Section

DASY5 Configuration:

- Probe: ER3DV6 - SN2509; ConvF(1, 1, 1); Calibrated: 5/12/2017;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1377; Calibrated: 9/14/2016
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.8 (7);SEMCAD X Version 14.6.10 (7164)

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

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

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 29.78 V/m; Power Drift = -0.03 dB

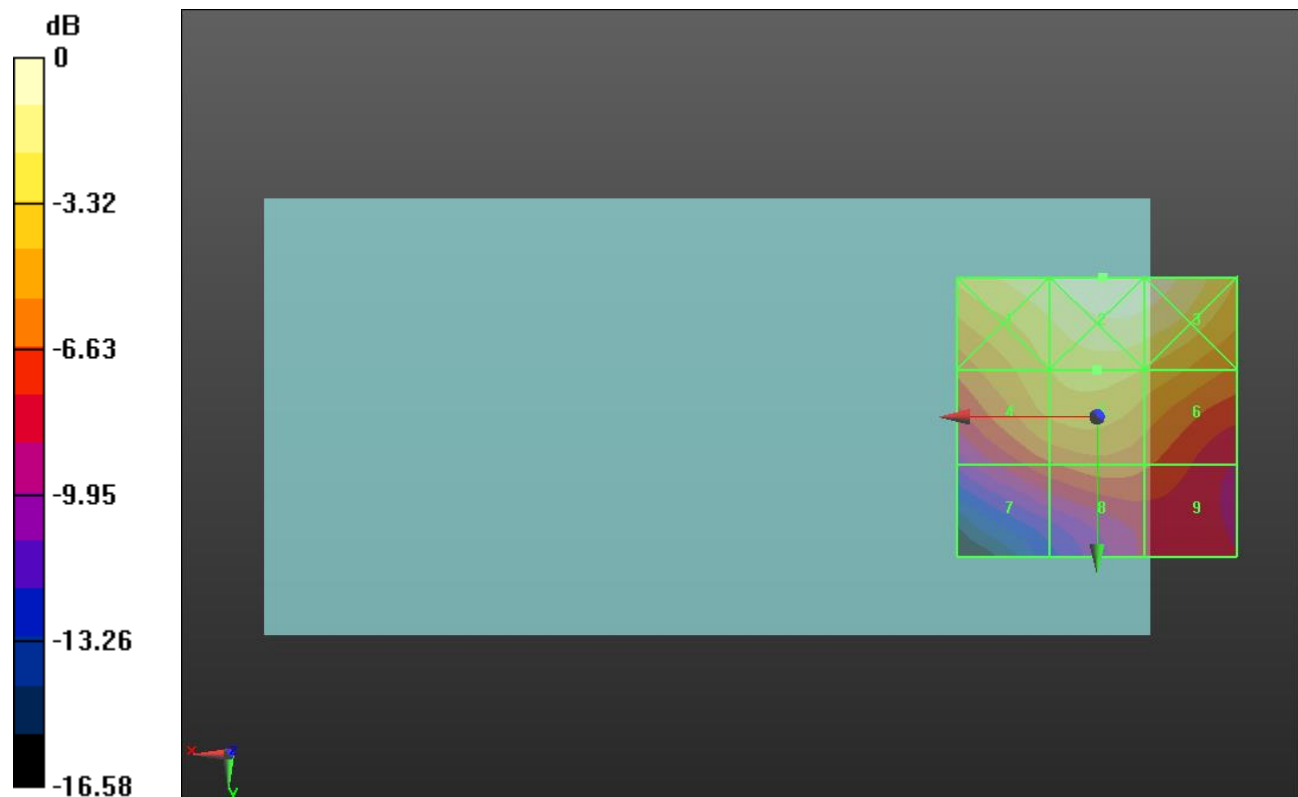
Applied MIF = 3.63 dB

RF audio interference level = 31.09 dBV/m

Emission category: M3

MIF scaled E-field

Grid 1 M3 32.85 dBV/m	Grid 2 M3 33.84 dBV/m	Grid 3 M3 33.44 dBV/m
Grid 4 M3 30.52 dBV/m	Grid 5 M3 31.09 dBV/m	Grid 6 M3 30.49 dBV/m
Grid 7 M4 27.02 dBV/m	Grid 8 M4 27.91 dBV/m	Grid 9 M4 27.4 dBV/m



0 dB = 49.19 V/m = 33.84 dBV/m

HAC-RF Emission UAT

Communication System: UID 10021 - DAC, GSM-FDD (TDMA, GMSK); Frequency: 1909.8 MHz; Duty Cycle: 1:8.6896

Phantom section: RF Section

DASY5 Configuration:

- Probe: ER3DV6 - SN2509; ConvF(1, 1, 1); Calibrated: 5/12/2017;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1377; Calibrated: 9/14/2016
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

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

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

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 35.21 V/m; Power Drift = -0.04 dB

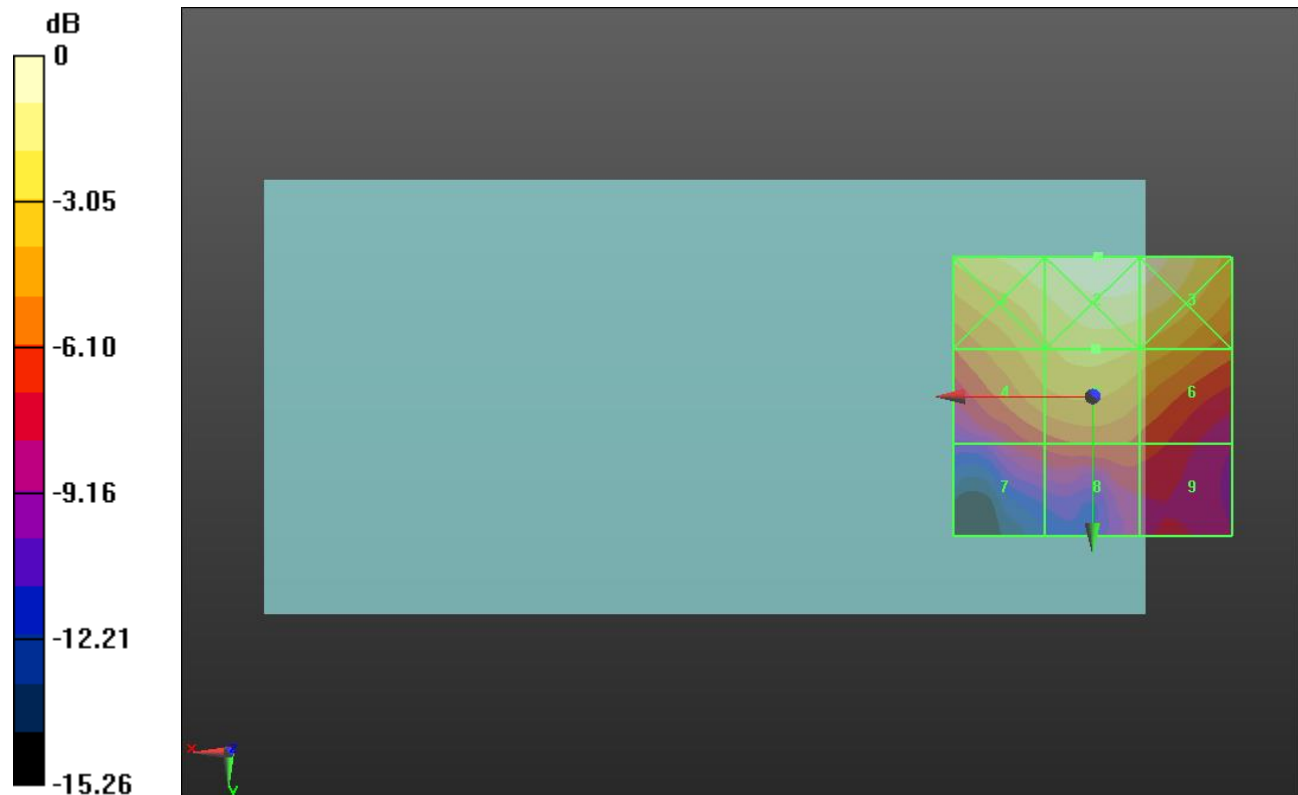
Applied MIF = 3.63 dB

RF audio interference level = 32.86 dBV/m

Emission category: M3

MIF scaled E-field

Grid 1 M3 34.53 dBV/m	Grid 2 M2 35.48 dBV/m	Grid 3 M2 35.09 dBV/m
Grid 4 M3 32.21 dBV/m	Grid 5 M3 32.86 dBV/m	Grid 6 M3 32.3 dBV/m
Grid 7 M4 28.75 dBV/m	Grid 8 M4 29.48 dBV/m	Grid 9 M4 29.06 dBV/m



0 dB = 59.44 V/m = 35.48 dBV/m

HAC-RF Emission UAT

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

Phantom section: RF Section

DASY5 Configuration:

- Probe: ER3DV6 - SN2509; ConvF(1, 1, 1); Calibrated: 5/12/2017;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1377; Calibrated: 9/14/2016
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.8 (7);SEMCAD X Version 14.6.10 (7164)

CDMA BC0 E-Field measurement/RC1_SO3_Ch 1013/Hearing Aid Compatibility Test (101x101x1):

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

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 9.749 V/m; Power Drift = 0.18 dB

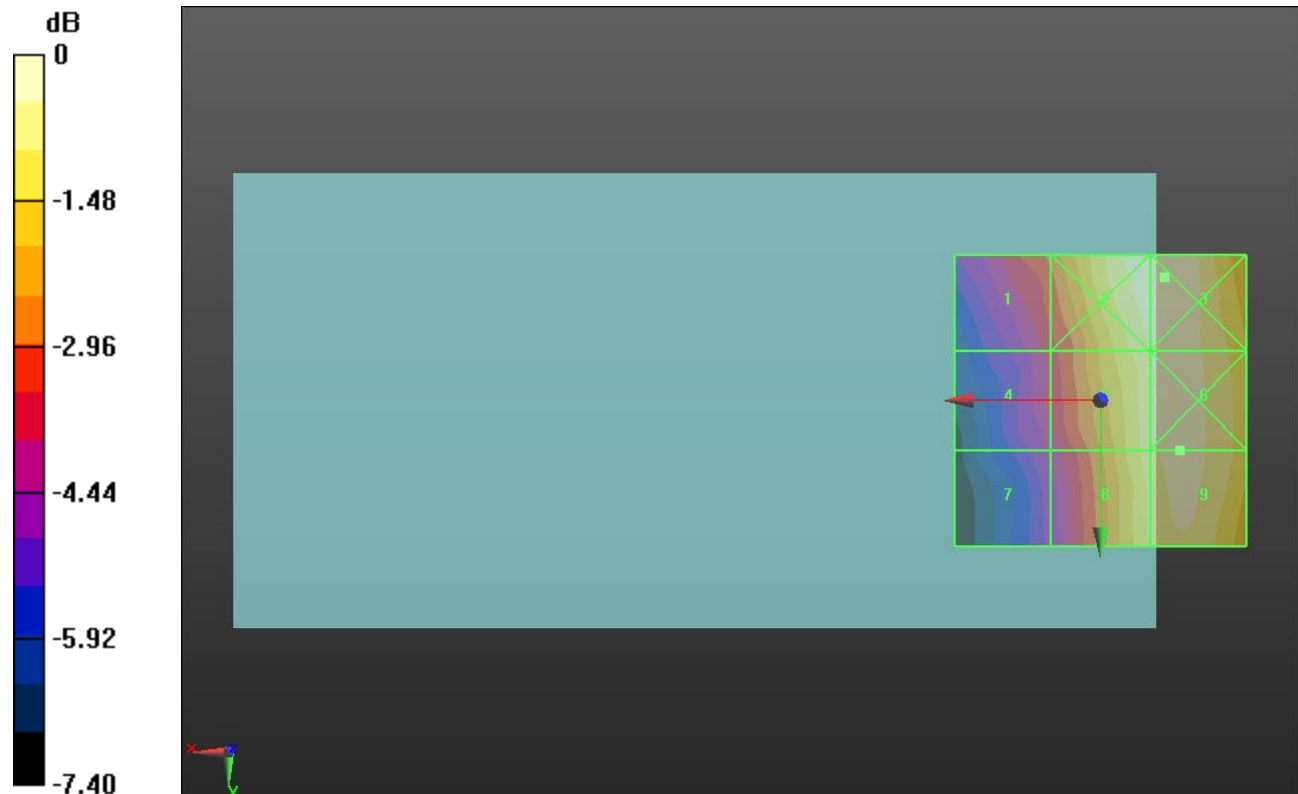
Applied MIF = 3.26 dB

RF audio interference level = 23.79 dBV/m

Emission category: **M4**

MIF scaled E-field

Grid 1 M4 21.25 dBV/m	Grid 2 M4 23.96 dBV/m	Grid 3 M4 24.04 dBV/m
Grid 4 M4 20.41 dBV/m	Grid 5 M4 23.54 dBV/m	Grid 6 M4 23.88 dBV/m
Grid 7 M4 19.81 dBV/m	Grid 8 M4 23.36 dBV/m	Grid 9 M4 23.79 dBV/m



0 dB = 15.93 V/m = 24.04 dBV/m

HAC-RF Emission UAT

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

Phantom section: RF Section

DASY5 Configuration:

- Probe: ER3DV6 - SN2509; ConvF(1, 1, 1); Calibrated: 5/12/2017;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1377; Calibrated: 9/14/2016
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

CDMA BC0 E-Field measurement/RC1_SO3_Ch 384/Hearing Aid Compatibility Test (101x101x1):

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

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 51.98 V/m; Power Drift = -0.02 dB

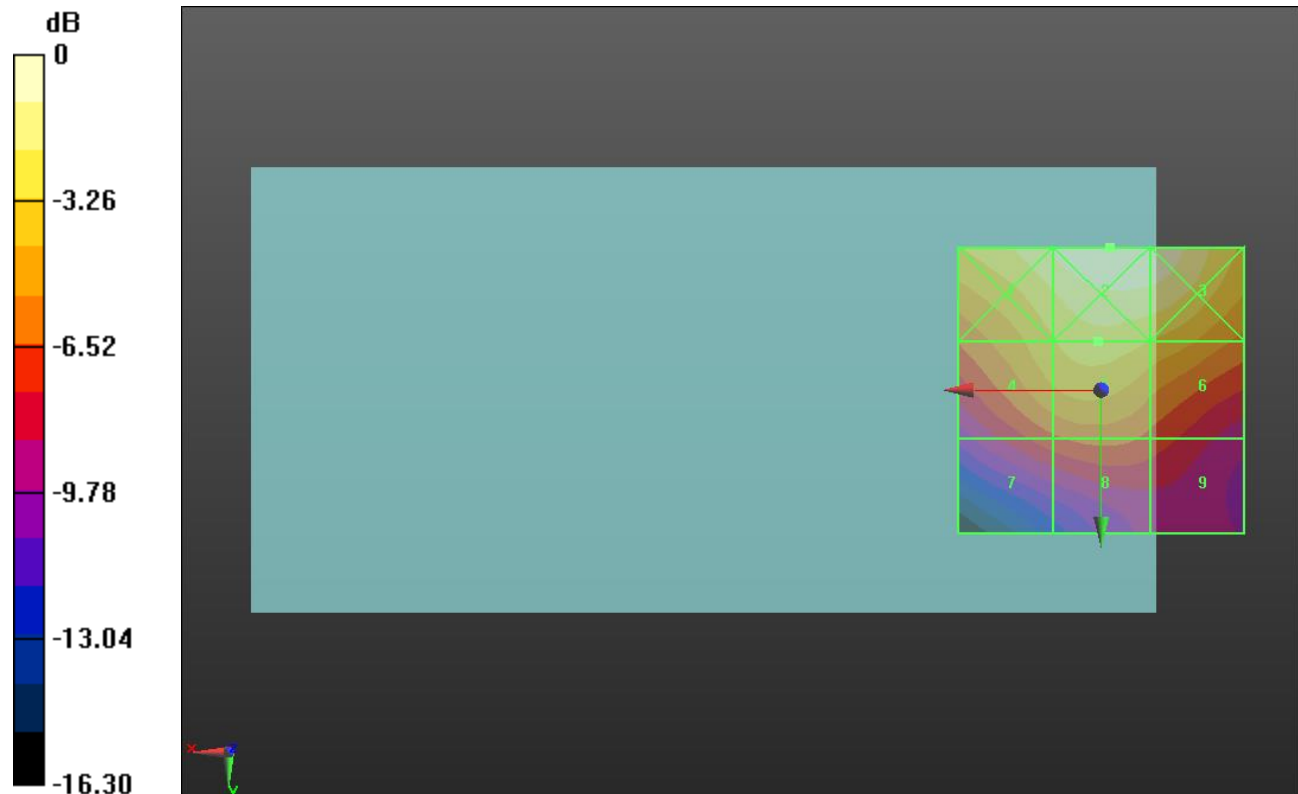
Applied MIF = 3.26 dB

RF audio interference level = 35.54 dBV/m

Emission category: **M4**

MIF scaled E-field

Grid 1 M4 37.3 dBV/m	Grid 2 M4 38.14 dBV/m	Grid 3 M4 37.95 dBV/m
Grid 4 M4 34.77 dBV/m	Grid 5 M4 35.54 dBV/m	Grid 6 M4 34.89 dBV/m
Grid 7 M4 31.34 dBV/m	Grid 8 M4 32.04 dBV/m	Grid 9 M4 31.29 dBV/m



0 dB = 80.75 V/m = 38.14 dBV/m

HAC-RF Emission UAT

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

Phantom section: RF Section

DASY5 Configuration:

- Probe: ER3DV6 - SN2509; ConvF(1, 1, 1); Calibrated: 5/12/2017;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1377; Calibrated: 9/14/2016
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

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

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

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 50.32 V/m; Power Drift = -0.02 dB

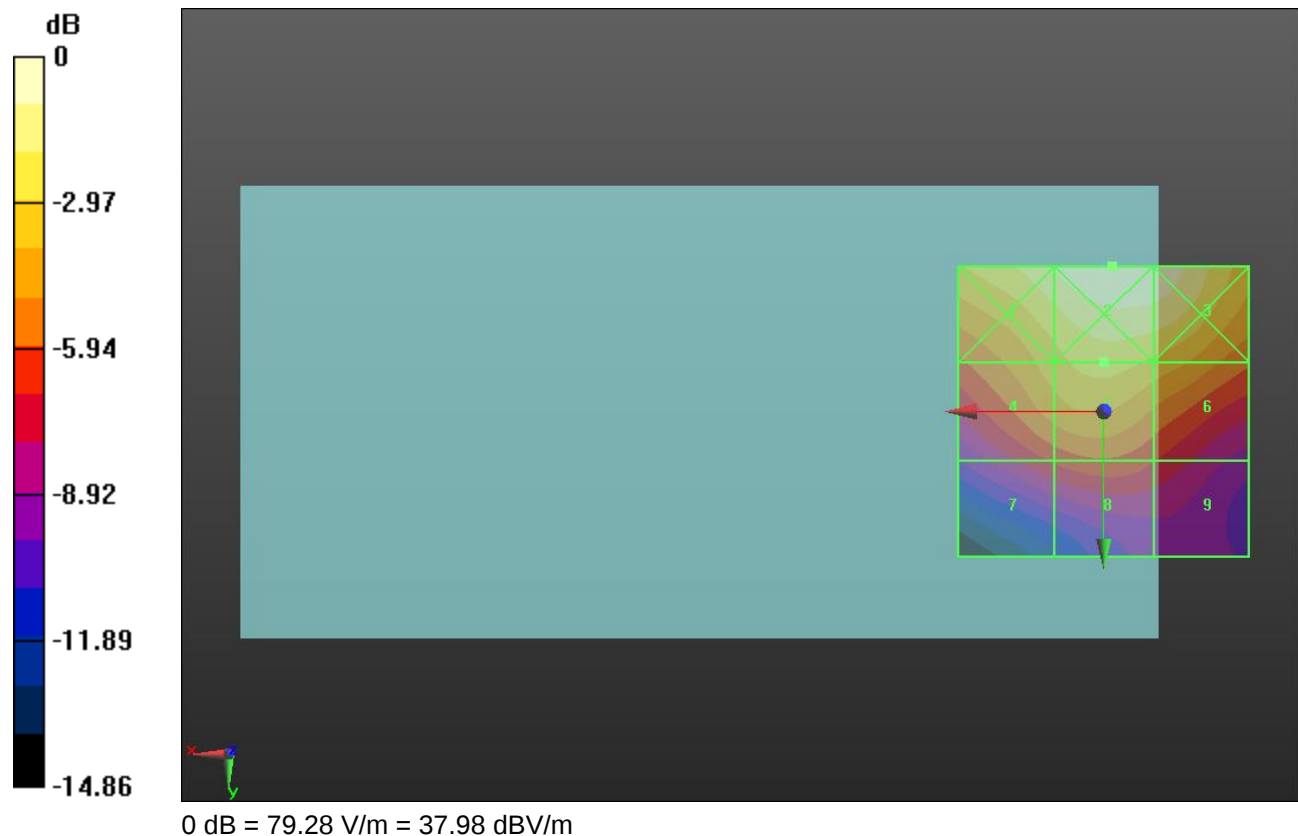
Applied MIF = 3.26 dB

RF audio interference level = 35.42 dBV/m

Emission category: **M4**

MIF scaled E-field

Grid 1 M4 37.19 dBV/m	Grid 2 M4 37.98 dBV/m	Grid 3 M4 37.77 dBV/m
Grid 4 M4 34.61 dBV/m	Grid 5 M4 35.42 dBV/m	Grid 6 M4 34.81 dBV/m
Grid 7 M4 31.23 dBV/m	Grid 8 M4 31.92 dBV/m	Grid 9 M4 31.12 dBV/m



HAC-RF Emission UAT

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

Phantom section: RF Section

DASY5 Configuration:

- Probe: ER3DV6 - SN2509; ConvF(1, 1, 1); Calibrated: 5/12/2017;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1377; Calibrated: 9/14/2016
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.8 (7);SEMCAD X Version 14.6.10 (7164)

CDMA BC1 E-Field measurement/RC1_SO3_Ch 25/Hearing Aid Compatibility Test (101x101x1):

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

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 34.61 V/m; Power Drift = 0.07 dB

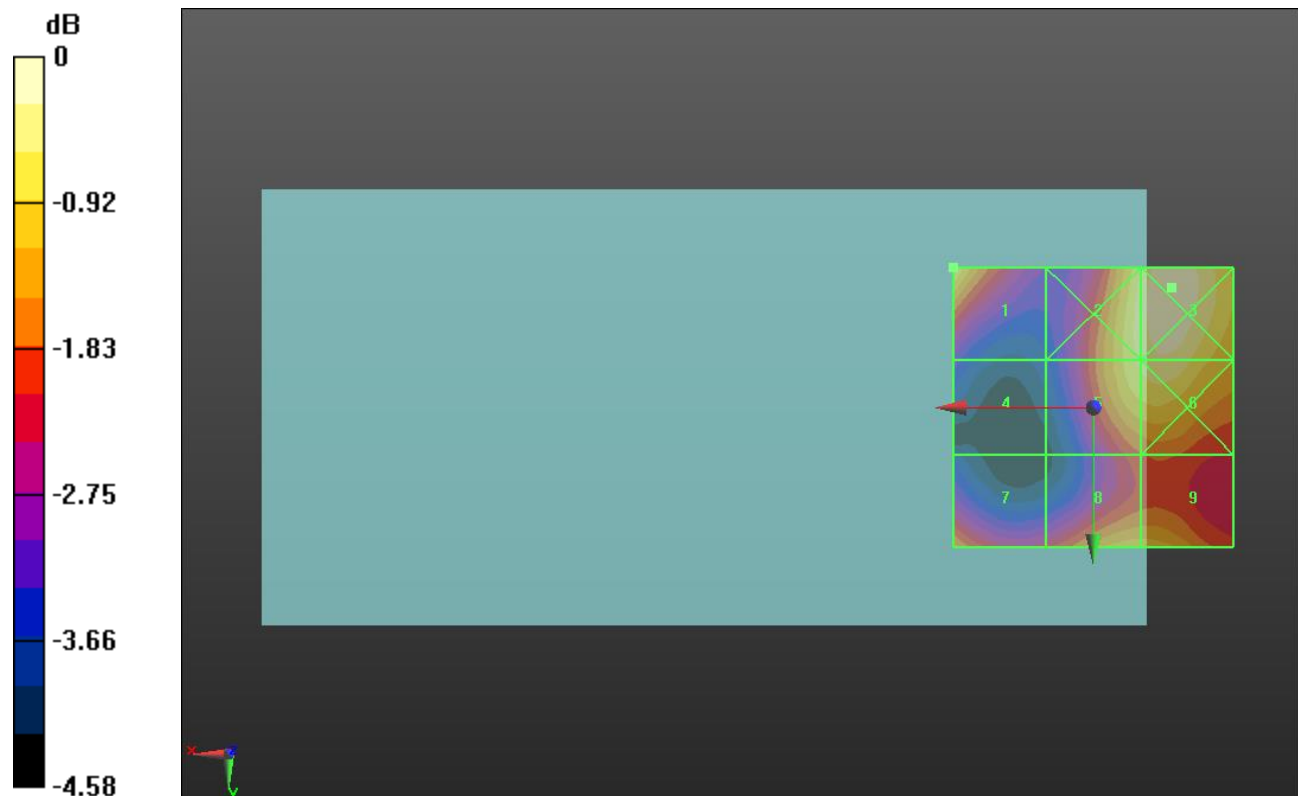
Applied MIF = 3.26 dB

RF audio interference level = 33.20 dBV/m

Emission category: **M3**

MIF scaled E-field

Grid 1 M3 33.2 dBV/m	Grid 2 M3 33.22 dBV/m	Grid 3 M3 33.66 dBV/m
Grid 4 M3 30.55 dBV/m	Grid 5 M3 33.12 dBV/m	Grid 6 M3 33.3 dBV/m
Grid 7 M3 32.33 dBV/m	Grid 8 M3 32.71 dBV/m	Grid 9 M3 32.7 dBV/m



0 dB = 48.20 V/m = 33.66 dBV/m

HAC-RF Emission UAT

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

Phantom section: RF Section

DASY5 Configuration:

- Probe: ER3DV6 - SN2509; ConvF(1, 1, 1); Calibrated: 5/12/2017;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1377; Calibrated: 9/14/2016
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.8 (7);SEMCAD X Version 14.6.10 (7164)

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

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

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 23.40 V/m; Power Drift = -0.07 dB

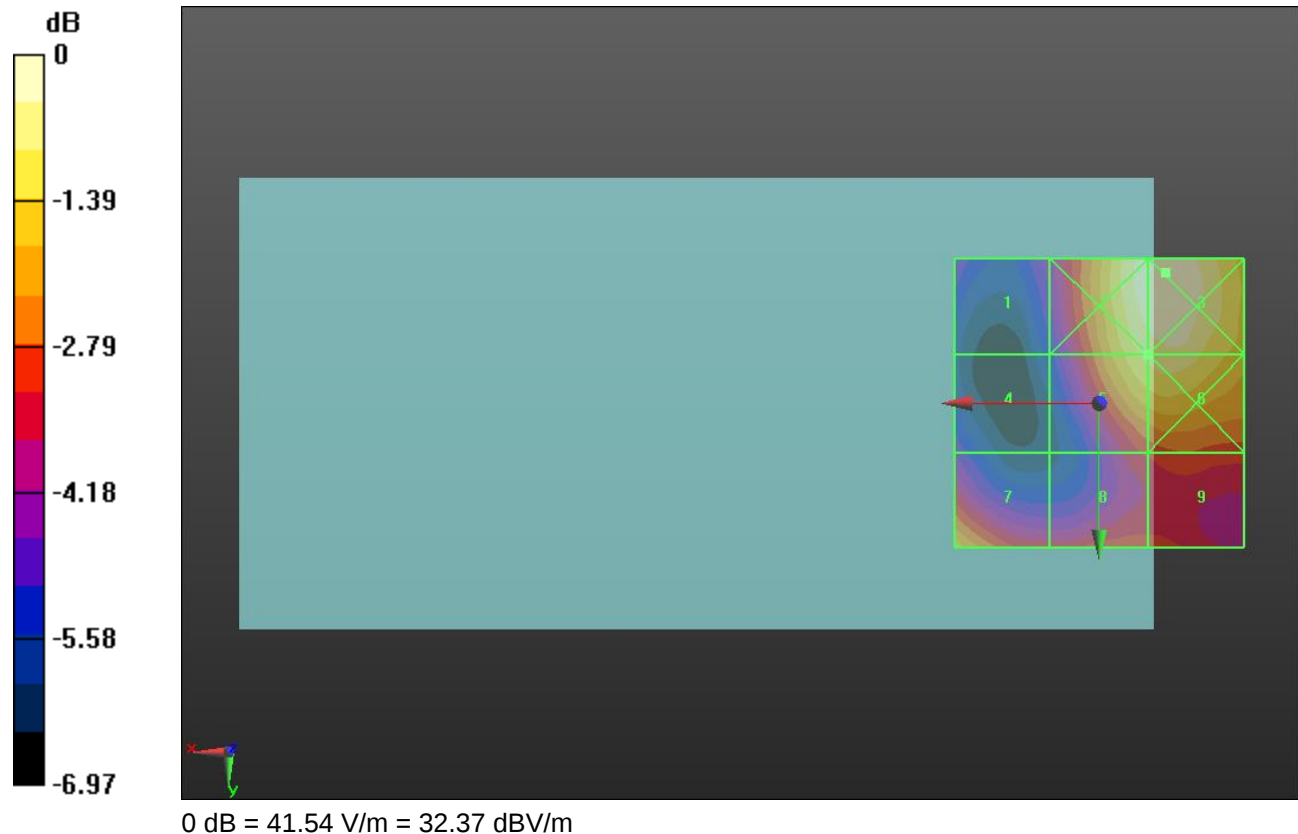
Applied MIF = 3.26 dB

RF audio interference level = 31.60 dBV/m

Emission category: **M3**

MIF scaled E-field

Grid 1 M4 28.09 dBV/m	Grid 2 M3 32.23 dBV/m	Grid 3 M3 32.37 dBV/m
Grid 4 M4 27.76 dBV/m	Grid 5 M3 31.6 dBV/m	Grid 6 M3 31.79 dBV/m
Grid 7 M3 30.87 dBV/m	Grid 8 M4 29.45 dBV/m	Grid 9 M4 29.59 dBV/m



HAC-RF Emission UAT

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

Phantom section: RF Section

DASY5 Configuration:

- Probe: ER3DV6 - SN2509; ConvF(1, 1, 1); Calibrated: 5/12/2017;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1377; Calibrated: 9/14/2016
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

CDMA BC1 E-Field measurement/RC1_SO3_Ch 1175/Hearing Aid Compatibility Test (101x101x1):

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

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 21.89 V/m; Power Drift = -0.18 dB

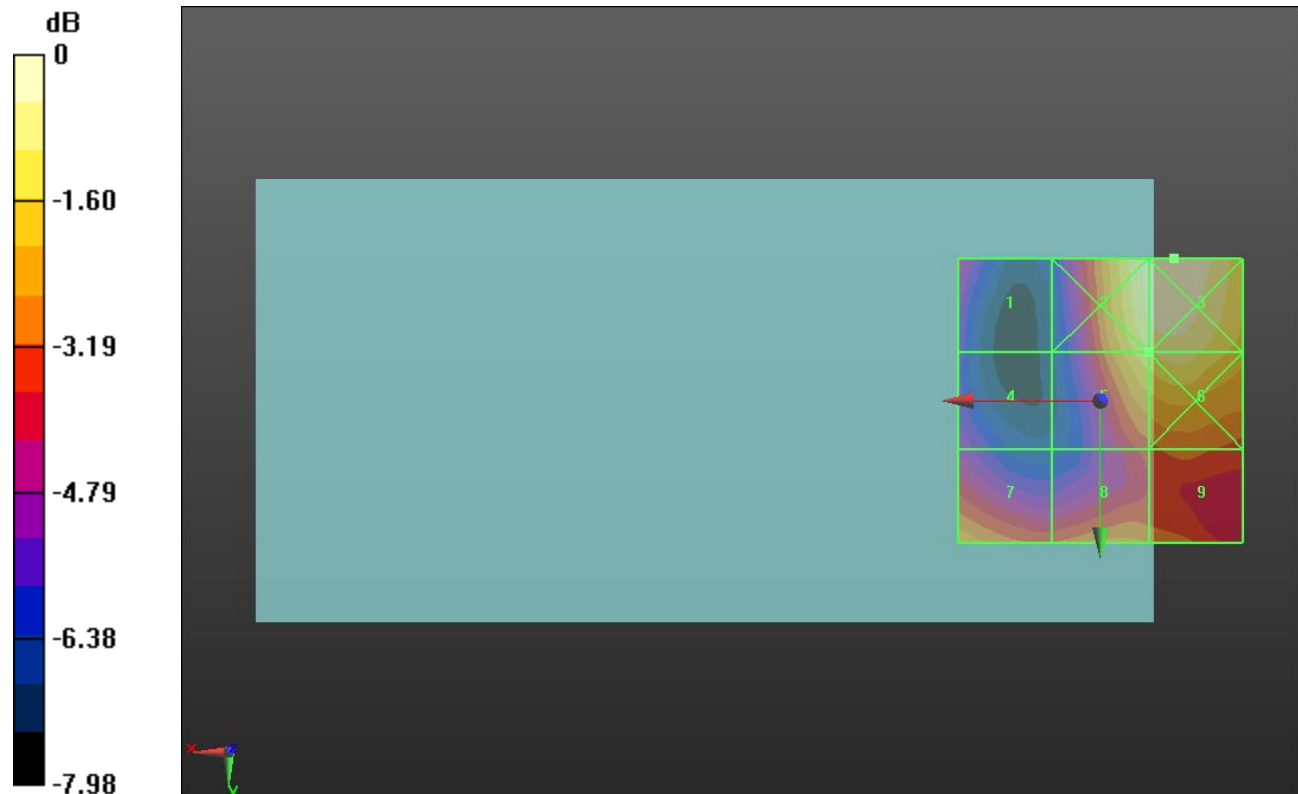
Applied MIF = 3.26 dB

RF audio interference level = 31.47 dBV/m

Emission category: **M3**

MIF scaled E-field

Grid 1 M4 28.34 dBV/m	Grid 2 M3 32.29 dBV/m	Grid 3 M3 32.64 dBV/m
Grid 4 M4 27.83 dBV/m	Grid 5 M3 31.47 dBV/m	Grid 6 M3 31.83 dBV/m
Grid 7 M3 30.52 dBV/m	Grid 8 M3 30.19 dBV/m	Grid 9 M4 29.93 dBV/m



0 dB = 42.85 V/m = 32.64 dBV/m

HAC-RF Emission UAT

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

Phantom section: RF Section

DASY5 Configuration:

- Probe: ER3DV6 - SN2509; ConvF(1, 1, 1); Calibrated: 5/12/2017;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1377; Calibrated: 9/14/2016
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.8 (7);SEMCAD X Version 14.6.10 (7164)

CDMA BC10 E-Field measurement/RC1_SO3_ch 450/Hearing Aid Compatibility Test (101x101x1):

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

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 41.50 V/m; Power Drift = -0.00 dB

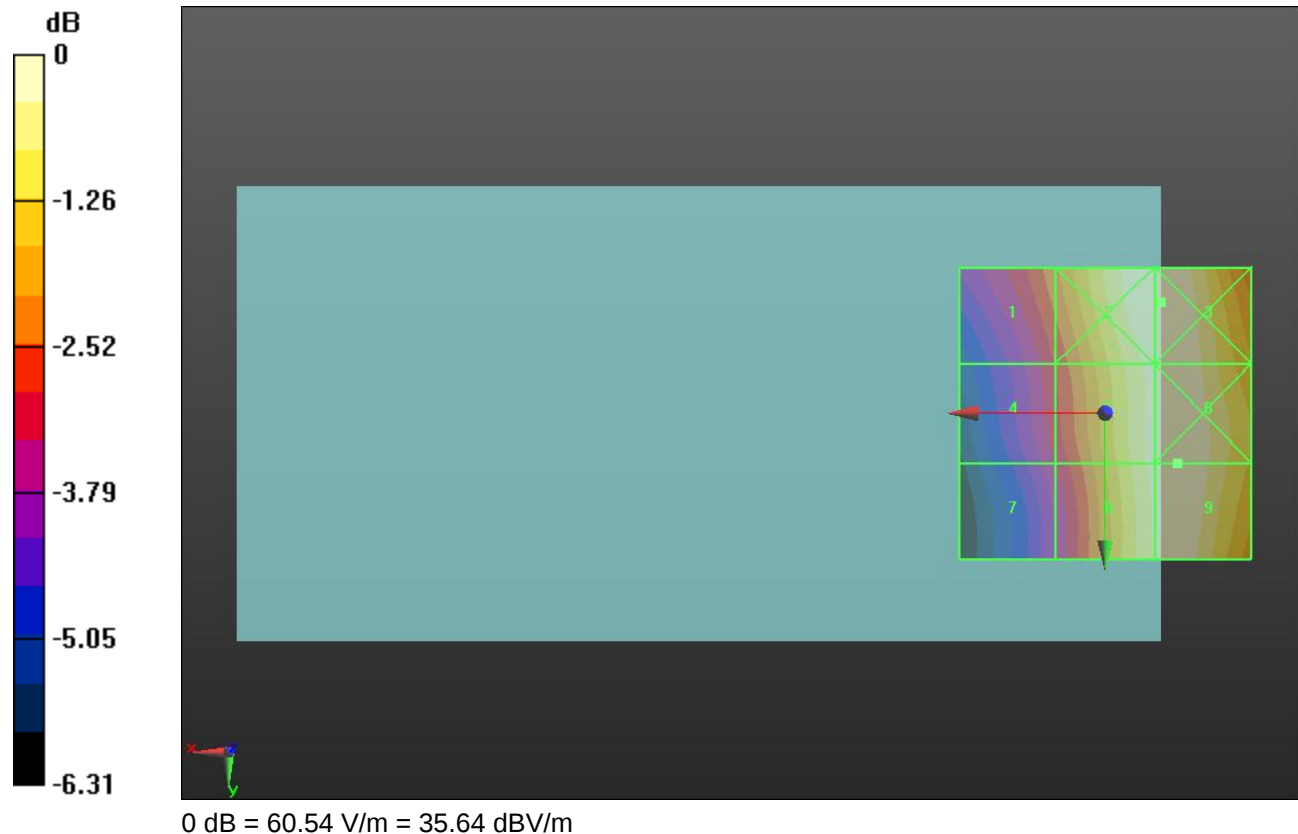
Applied MIF = 3.26 dB

RF audio interference level = 35.60 dBV/m

Emission category: **M4**

MIF scaled E-field

Grid 1 M4 33.47 dBV/m	Grid 2 M4 35.63 dBV/m	Grid 3 M4 35.64 dBV/m
Grid 4 M4 32.76 dBV/m	Grid 5 M4 35.44 dBV/m	Grid 6 M4 35.63 dBV/m
Grid 7 M4 32.31 dBV/m	Grid 8 M4 35.39 dBV/m	Grid 9 M4 35.6 dBV/m



HAC-RF Emission UAT

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

Phantom section: RF Section

DASY5 Configuration:

- Probe: ER3DV6 - SN2509; ConvF(1, 1, 1); Calibrated: 5/12/2017;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1377; Calibrated: 9/14/2016
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.8 (7);SEMCAD X Version 14.6.10 (7164)

CDMA BC10 E-Field measurement/RC1_SO3_ch 560/Hearing Aid Compatibility Test (101x101x1):

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

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 42.92 V/m; Power Drift = -0.04 dB

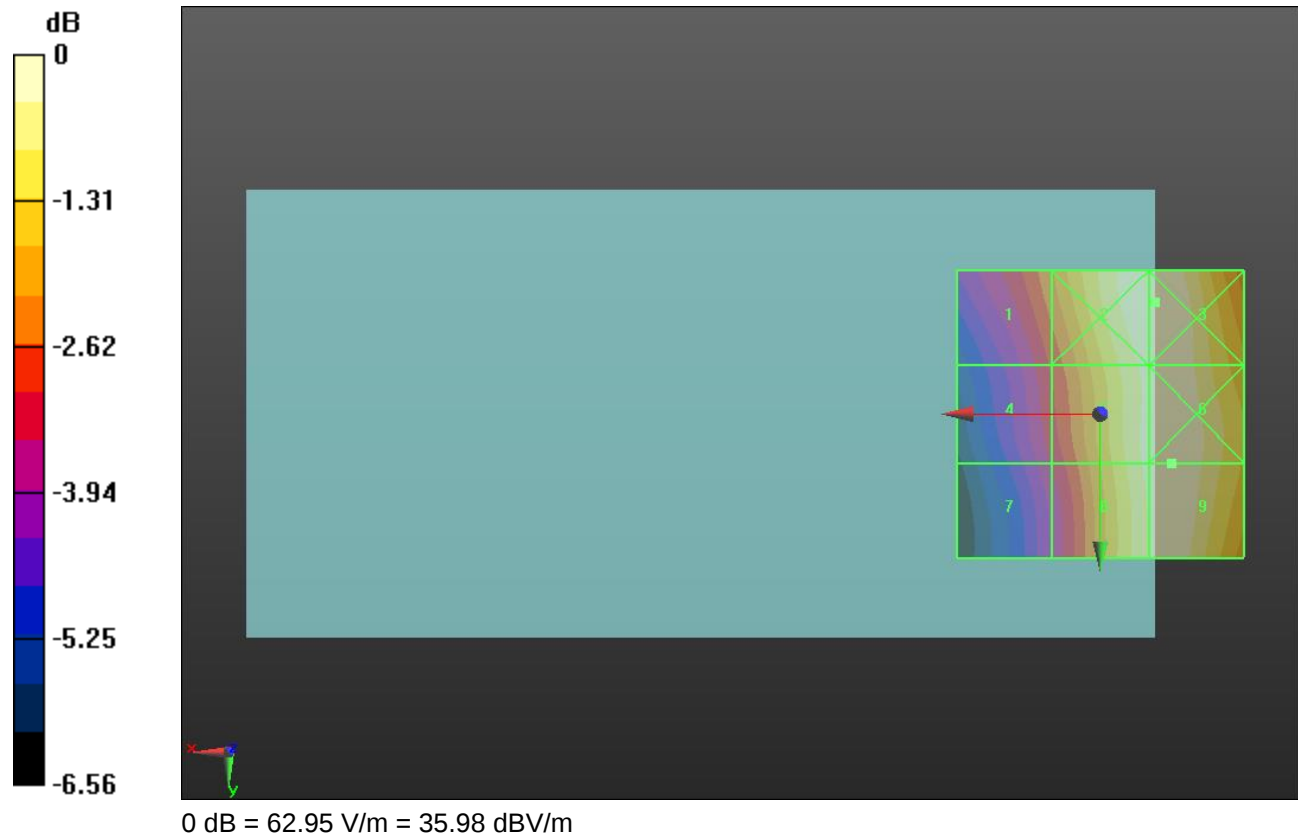
Applied MIF = 3.26 dB

RF audio interference level = 35.92 dBV/m

Emission category: **M4**

MIF scaled E-field

Grid 1 M4 33.75 dBV/m	Grid 2 M4 35.97 dBV/m	Grid 3 M4 35.98 dBV/m
Grid 4 M4 33.01 dBV/m	Grid 5 M4 35.75 dBV/m	Grid 6 M4 35.95 dBV/m
Grid 7 M4 32.51 dBV/m	Grid 8 M4 35.7 dBV/m	Grid 9 M4 35.92 dBV/m



HAC-RF Emission UAT

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

Phantom section: RF Section

DASY5 Configuration:

- Probe: ER3DV6 - SN2509; ConvF(1, 1, 1); Calibrated: 5/12/2017;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1377; Calibrated: 9/14/2016
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.8 (7);SEMCAD X Version 14.6.10 (7164)

CDMA BC10 E-Field measurement/RC1_SO3_ch 670/Hearing Aid Compatibility Test (101x101x1):

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

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 45.17 V/m; Power Drift = -0.04 dB

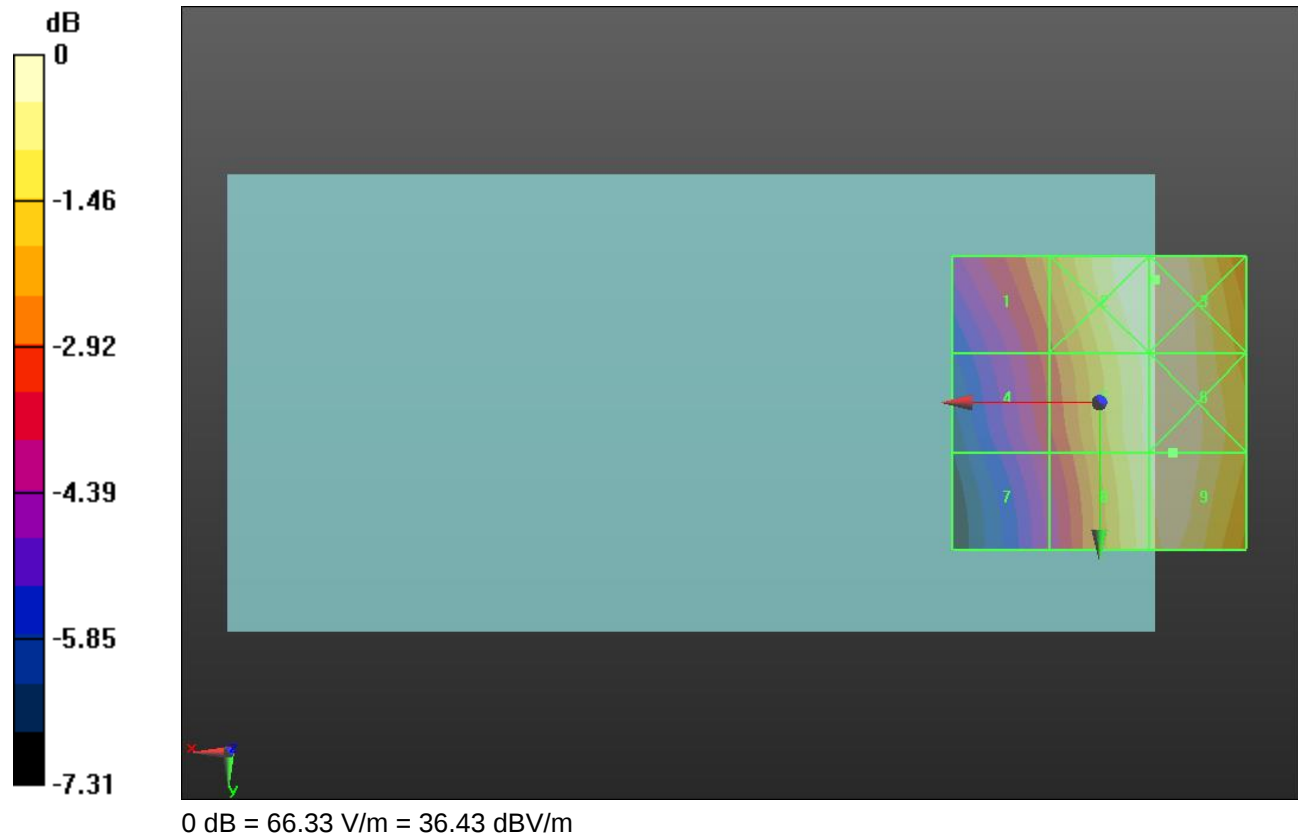
Applied MIF = 3.26 dB

RF audio interference level = 36.24 dBV/m

Emission category: **M4**

MIF scaled E-field

Grid 1 M4 34.23 dBV/m	Grid 2 M4 36.43 dBV/m	Grid 3 M4 36.43 dBV/m
Grid 4 M4 33.36 dBV/m	Grid 5 M4 36.14 dBV/m	Grid 6 M4 36.3 dBV/m
Grid 7 M4 32.75 dBV/m	Grid 8 M4 36.02 dBV/m	Grid 9 M4 36.24 dBV/m



HAC-RF Emission UAT

Communication System: UID 10173 - CAC, LTE-TDD (SC-FDMA, 1 RB, 20 MHz, 16-QAM); Frequency: 2506 MHz; Duty Cycle: 1:8.87156

Phantom section: RF Section

DASY5 Configuration:

- Probe: ER3DV6 - SN2509; ConvF(1, 1, 1); Calibrated: 5/12/2017;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1377; Calibrated: 9/14/2016
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.8 (7);SEMCAD X Version 14.6.10 (7164)

LTE Band 41 E-Field measurement/LTE TDD_16QAM_RB 1/50_ch 39750/Hearing Aid Compatibility Test (101x101x1): Interpolated grid: dx=0.5000 mm, dy=0.5000 mm

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 24.74 V/m; Power Drift = -0.04 dB

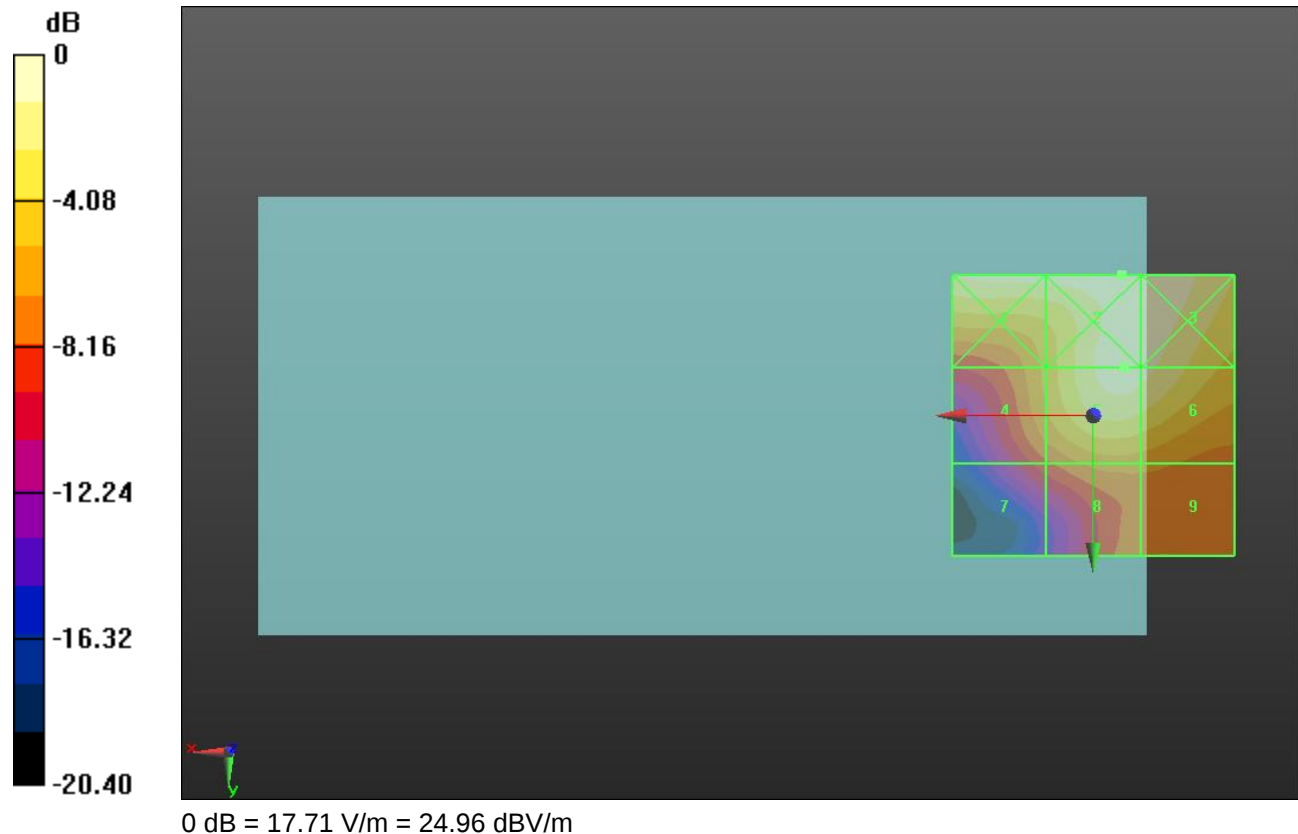
Applied MIF = -1.44 dB

RF audio interference level = 24.29 dBV/m

Emission category: **M4**

MIF scaled E-field

Grid 1 M4 24.42 dBV/m	Grid 2 M4 24.96 dBV/m	Grid 3 M4 24.9 dBV/m
Grid 4 M4 19.89 dBV/m	Grid 5 M4 24.29 dBV/m	Grid 6 M4 24.03 dBV/m
Grid 7 M4 16.46 dBV/m	Grid 8 M4 18.81 dBV/m	Grid 9 M4 18.71 dBV/m



HAC-RF Emission UAT

Communication System: UID 10173 - CAC, LTE-TDD (SC-FDMA, 1 RB, 20 MHz, 16-QAM); Frequency: 2549.5 MHz; Duty Cycle: 1:8.87156

Phantom section: RF Section

DASY5 Configuration:

- Probe: ER3DV6 - SN2509; ConvF(1, 1, 1); Calibrated: 5/12/2017;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1377; Calibrated: 9/14/2016
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

LTE Band 41 E-Field measurement/LTE TDD_16QAM_RB 1/50_ch 40185/Hearing Aid Compatibility Test (101x101x1):

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

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 41.77 V/m; Power Drift = -0.00 dB

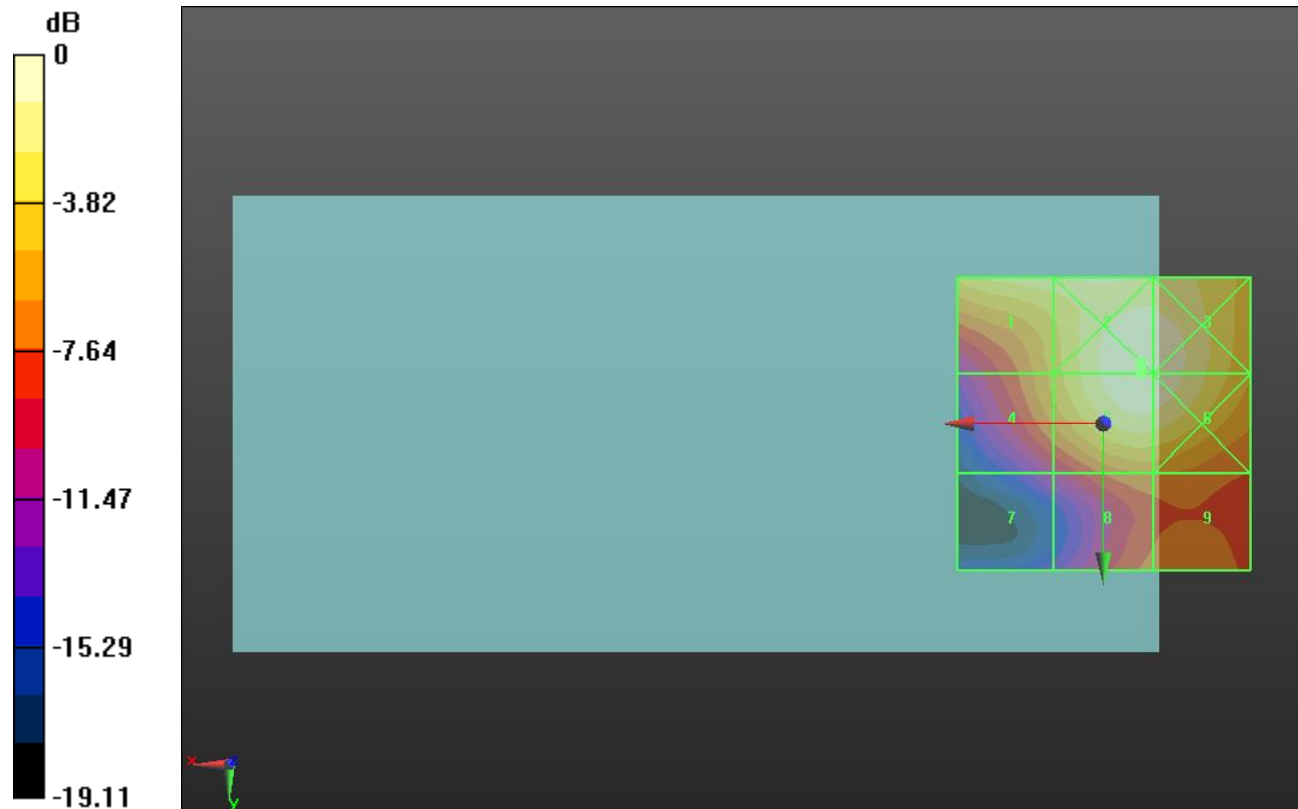
Applied MIF = -1.44 dB

RF audio interference level = 29.27 dBV/m

Emission category: **M4**

MIF scaled E-field

Grid 1 M4 27.93 dBV/m	Grid 2 M4 29.33 dBV/m	Grid 3 M4 29.22 dBV/m
Grid 4 M4 24.73 dBV/m	Grid 5 M4 29.27 dBV/m	Grid 6 M4 29.16 dBV/m
Grid 7 M4 18.56 dBV/m	Grid 8 M4 23.05 dBV/m	Grid 9 M4 23.05 dBV/m



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

HAC-RF Emission UAT

Communication System: UID 10173 - CAC, LTE-TDD (SC-FDMA, 1 RB, 20 MHz, 16-QAM); Frequency: 2593 MHz; Duty Cycle: 1:8.87156

Phantom section: RF Section

DASY5 Configuration:

- Probe: ER3DV6 - SN2509; ConvF(1, 1, 1); Calibrated: 5/12/2017;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1377; Calibrated: 9/14/2016
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.8 (7);SEMCAD X Version 14.6.10 (7164)

LTE Band 41 E-Field measurement/LTE TDD_16QAM_RB 1/50_ch 40620/Hearing Aid Compatibility Test (101x101x1):

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

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 22.13 V/m; Power Drift = -0.06 dB

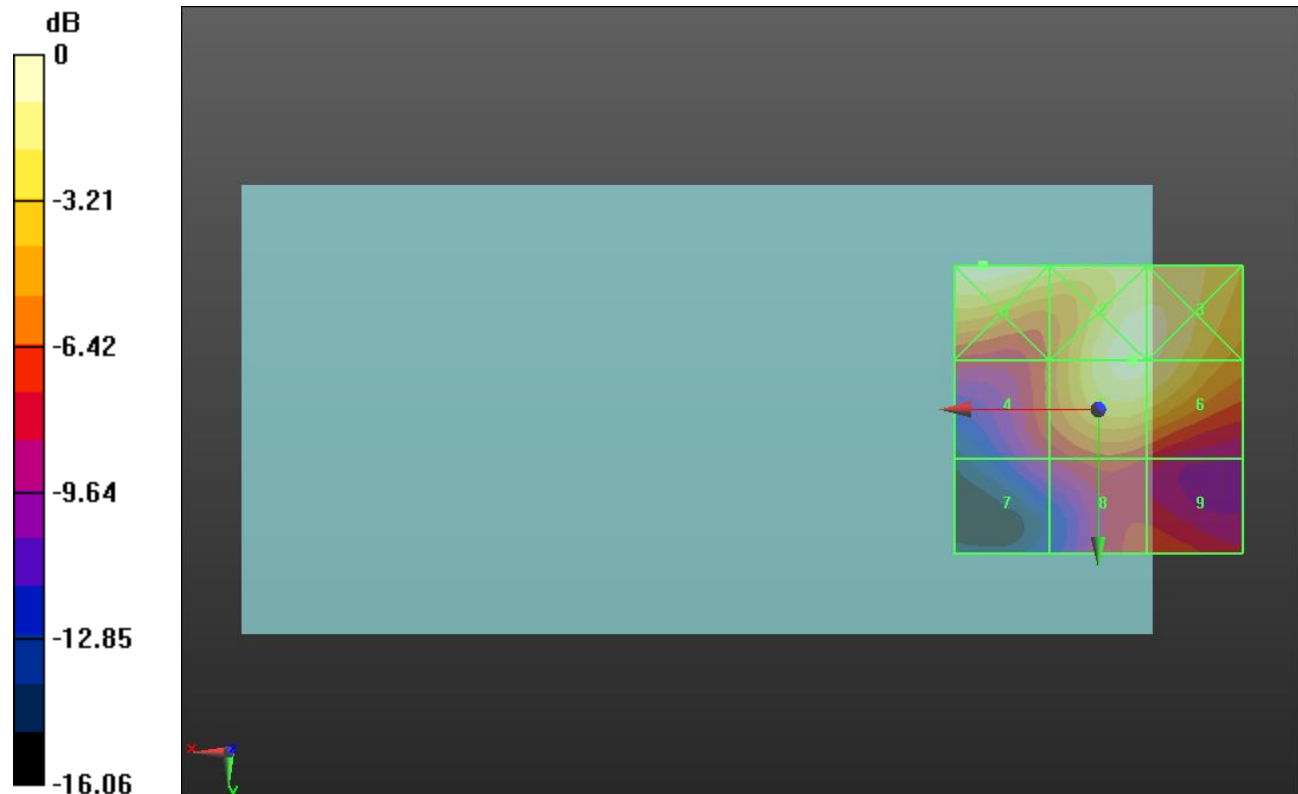
Applied MIF = -1.44 dB

RF audio interference level = 23.31 dBV/m

Emission category: **M4**

MIF scaled E-field

Grid 1 M4 23.88 dBV/m	Grid 2 M4 23.42 dBV/m	Grid 3 M4 23.28 dBV/m
Grid 4 M4 17.84 dBV/m	Grid 5 M4 23.31 dBV/m	Grid 6 M4 23.08 dBV/m
Grid 7 M4 15.3 dBV/m	Grid 8 M4 17.18 dBV/m	Grid 9 M4 17.12 dBV/m



0 dB = 15.63 V/m = 23.88 dBV/m

HAC-RF Emission UAT

Communication System: UID 10173 - CAC, LTE-TDD (SC-FDMA, 1 RB, 20 MHz, 16-QAM); Frequency: 2636.5 MHz; Duty Cycle: 1:8.87156

Phantom section: RF Section

DASY5 Configuration:

- Probe: ER3DV6 - SN2509; ConvF(1, 1, 1); Calibrated: 5/12/2017;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1377; Calibrated: 9/14/2016
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

LTE Band 41 E-Field measurement/LTE TDD_16QAM_RB 1/50_ch 41055/Hearing Aid Compatibility Test (101x101x1):

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

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 27.02 V/m; Power Drift = -0.04 dB

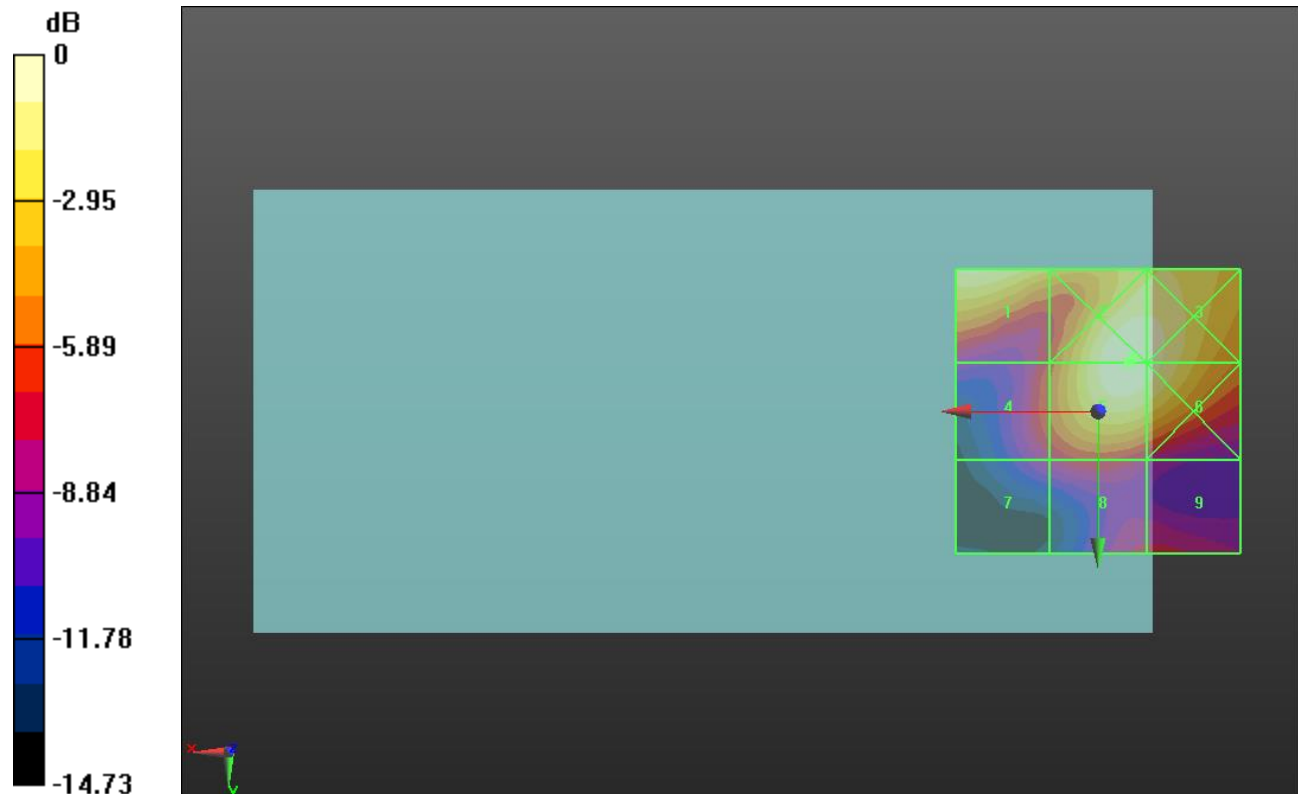
Applied MIF = -1.44 dB

RF audio interference level = 24.43 dBV/m

Emission category: **M4**

MIF scaled E-field

Grid 1 M4 23.74 dBV/m	Grid 2 M4 24.44 dBV/m	Grid 3 M4 24.12 dBV/m
Grid 4 M4 18.75 dBV/m	Grid 5 M4 24.43 dBV/m	Grid 6 M4 24.05 dBV/m
Grid 7 M4 16.28 dBV/m	Grid 8 M4 17.69 dBV/m	Grid 9 M4 17.06 dBV/m



0 dB = 16.67 V/m = 24.44 dBV/m

HAC-RF Emission UAT

Communication System: UID 10173 - CAC, LTE-TDD (SC-FDMA, 1 RB, 20 MHz, 16-QAM); Frequency: 2680 MHz; Duty Cycle: 1:8.87156

Phantom section: RF Section

DASY5 Configuration:

- Probe: ER3DV6 - SN2509; ConvF(1, 1, 1); Calibrated: 5/12/2017;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1377; Calibrated: 9/14/2016
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

LTE Band 41 E-Field measurement/LTE TDD_16QAM_RB 1/50_ch 41490/Hearing Aid Compatibility Test (101x101x1):

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

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 21.63 V/m; Power Drift = -0.07 dB

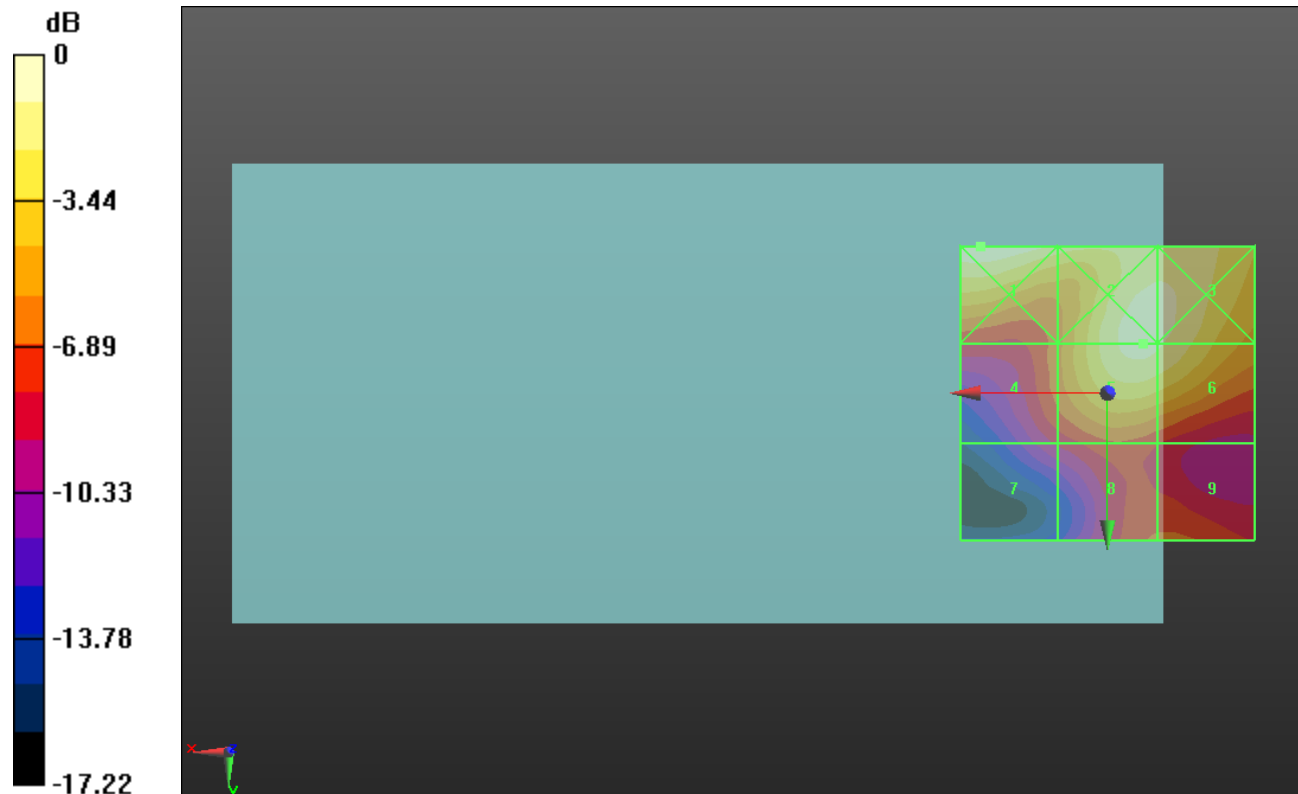
Applied MIF = -1.44 dB

RF audio interference level = 23.22 dBV/m

Emission category: **M4**

MIF scaled E-field

Grid 1 M4 23.92 dBV/m	Grid 2 M4 23.38 dBV/m	Grid 3 M4 23.21 dBV/m
Grid 4 M4 17.85 dBV/m	Grid 5 M4 23.22 dBV/m	Grid 6 M4 22.95 dBV/m
Grid 7 M4 14.99 dBV/m	Grid 8 M4 17.17 dBV/m	Grid 9 M4 17.28 dBV/m



0 dB = 15.71 V/m = 23.92 dBV/m

HAC-RF Emission LAT

Communication System: UID 10021 - DAC, GSM-FDD (TDMA, GMSK); Frequency: 824.2 MHz; Duty Cycle: 1:8.6896

Phantom section: RF Section

DASY5 Configuration:

- Probe: ER3DV6 - SN2509; ConvF(1, 1, 1); Calibrated: 5/12/2017;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1377; Calibrated: 9/14/2016
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7164)

GSM850 E-Field measurement/Voice_ch 128/Hearing Aid Compatibility Test

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

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 32.41 V/m; Power Drift = -0.05 dB

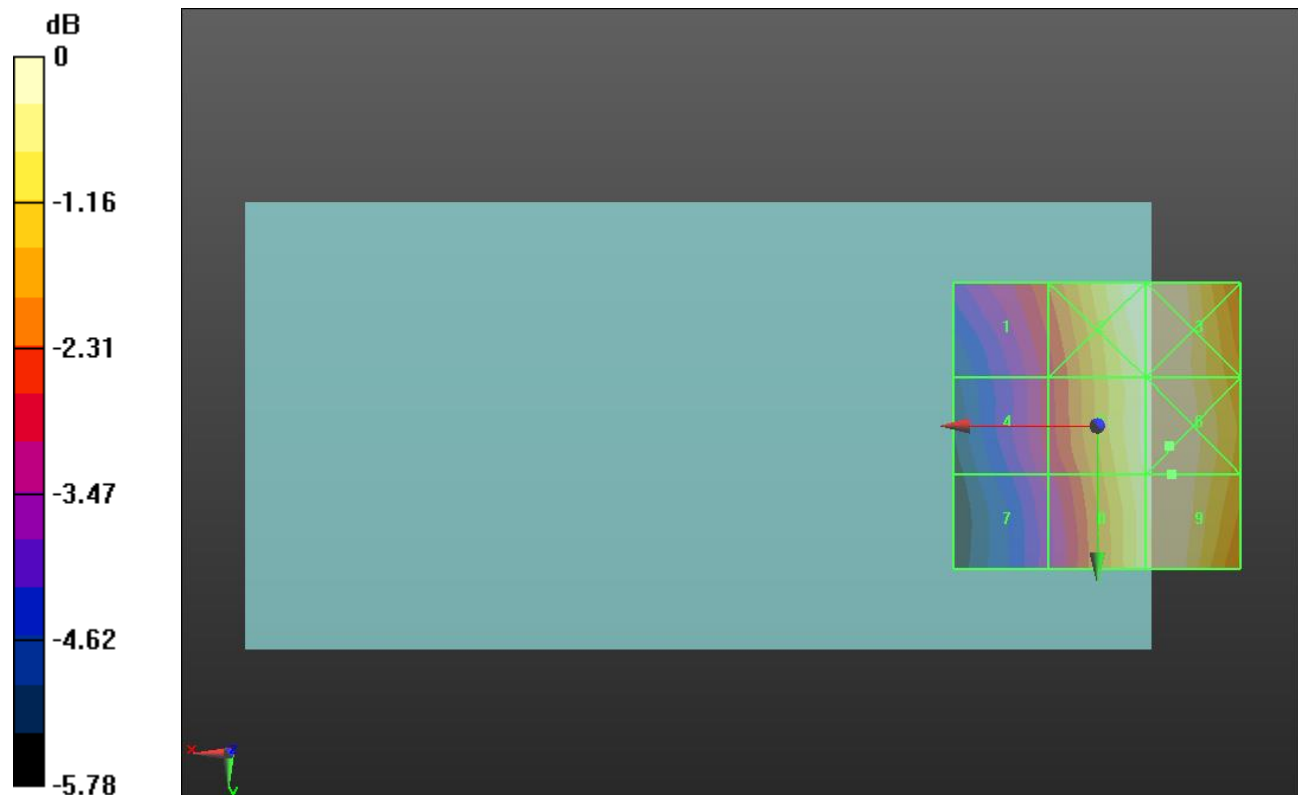
Applied MIF = 3.63 dB

RF audio interference level = 33.38 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 31.19 dBV/m	Grid 2 M4 33.43 dBV/m	Grid 3 M4 33.47 dBV/m
Grid 4 M4 30.62 dBV/m	Grid 5 M4 33.25 dBV/m	Grid 6 M4 33.48 dBV/m
Grid 7 M4 30.25 dBV/m	Grid 8 M4 33.11 dBV/m	Grid 9 M4 33.38 dBV/m



0 dB = 47.18 V/m = 33.48 dBV/m

HAC-RF Emission LAT

Communication System: UID 10021 - DAC, GSM-FDD (TDMA, GMSK); Frequency: 836.6 MHz; Duty Cycle: 1:8.6896

Phantom section: RF Section

DASY5 Configuration:

- Probe: ER3DV6 - SN2509; ConvF(1, 1, 1); Calibrated: 5/12/2017;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1377; Calibrated: 9/14/2016
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7164)

GSM850 E-Field measurement/Voice_ch 190/Hearing Aid Compatibility Test

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

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 32.44 V/m; Power Drift = -0.02 dB

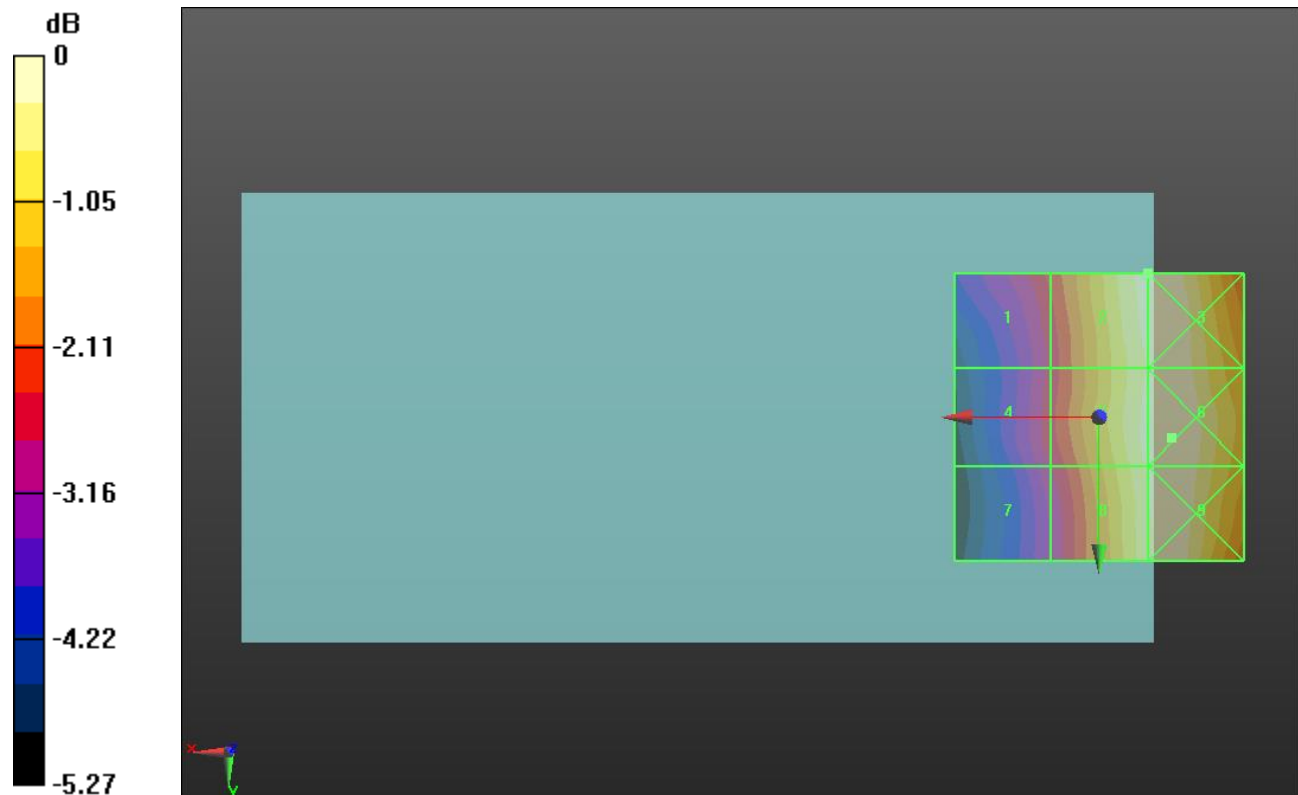
Applied MIF = 3.63 dB

RF audio interference level = 32.87 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 30.72 dBV/m	Grid 2 M4 32.87 dBV/m	Grid 3 M4 32.93 dBV/m
Grid 4 M4 30.48 dBV/m	Grid 5 M4 32.86 dBV/m	Grid 6 M4 33.06 dBV/m
Grid 7 M4 30.23 dBV/m	Grid 8 M4 32.75 dBV/m	Grid 9 M4 32.97 dBV/m



0 dB = 44.95 V/m = 33.05 dBV/m

HAC-RF Emission LAT

Communication System: UID 10021 - DAC, GSM-FDD (TDMA, GMSK); Frequency: 848.6 MHz; Duty Cycle: 1:8.6896

Phantom section: RF Section

DASY5 Configuration:

- Probe: ER3DV6 - SN2509; ConvF(1, 1, 1); Calibrated: 5/12/2017;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1377; Calibrated: 9/14/2016
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.8 (8); 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 = 38.33 V/m; Power Drift = -0.03 dB

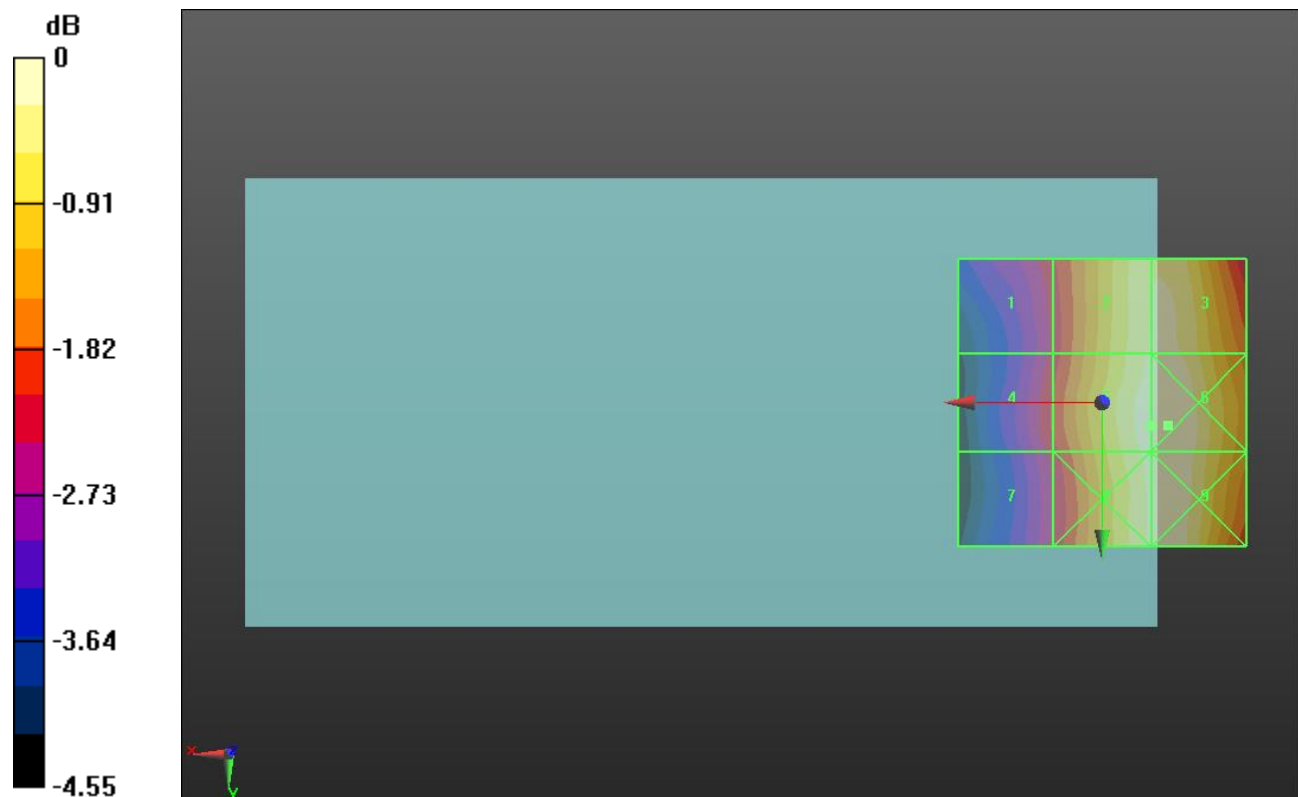
Applied MIF = 3.63 dB

RF audio interference level = 33.81 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 31.73 dBV/m	Grid 2 M4 33.62 dBV/m	Grid 3 M4 33.67 dBV/m
Grid 4 M4 31.82 dBV/m	Grid 5 M4 33.81 dBV/m	Grid 6 M4 33.88 dBV/m
Grid 7 M4 31.63 dBV/m	Grid 8 M4 33.71 dBV/m	Grid 9 M4 33.8 dBV/m



0 dB = 49.43 V/m = 33.88 dBV/m

HAC-RF Emission LAT

Communication System: UID 10021 - DAC, GSM-FDD (TDMA, GMSK); Frequency: 1850.2 MHz; Duty Cycle: 1:8.6896

Phantom section: RF Section

DASY5 Configuration:

- Probe: ER3DV6 - SN2540; ConvF(1, 1, 1); Calibrated: 8/10/2015;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1377; Calibrated: 9/14/2016
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.8 (8); 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 = 23.86 V/m; Power Drift = 0.03 dB

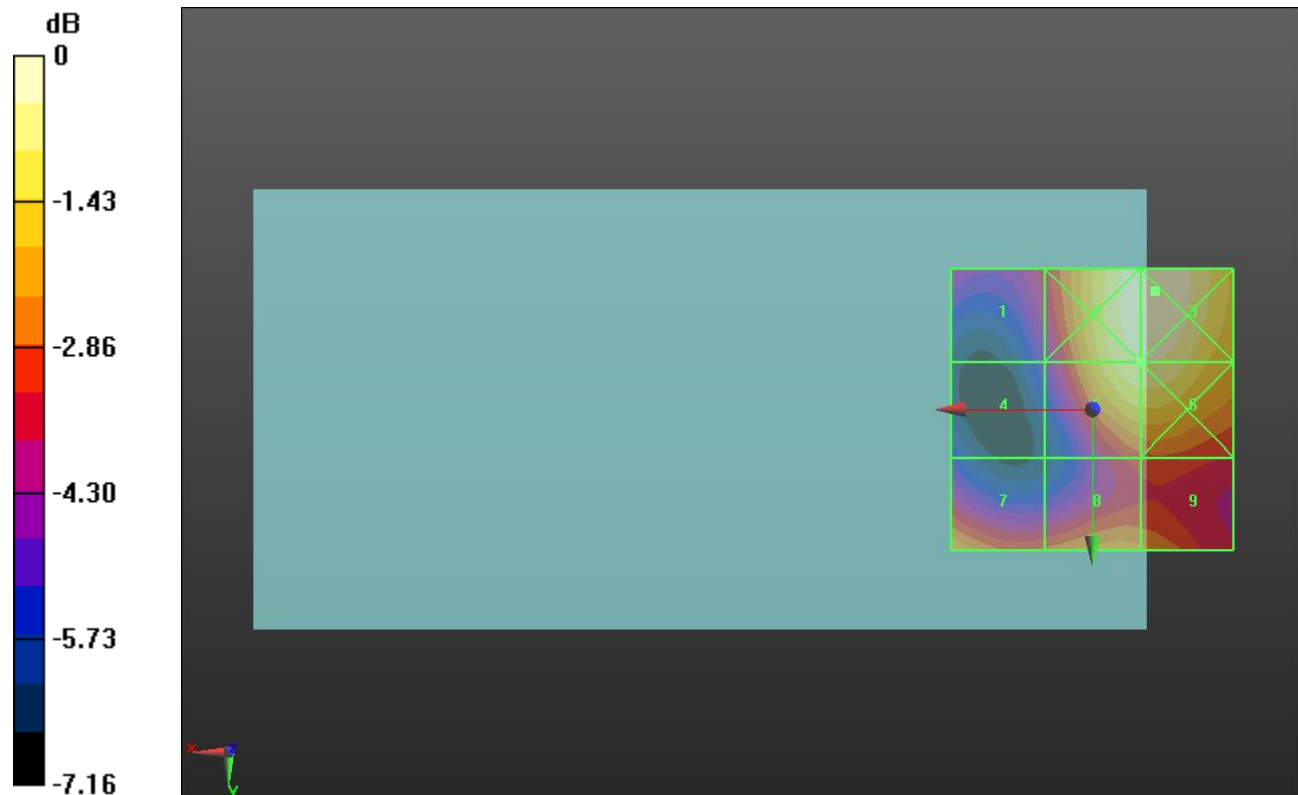
Applied MIF = 3.63 dB

RF audio interference level = 30.93 dBV/m

Emission category: M3

MIF scaled E-field

Grid 1 M4 27.88 dBV/m	Grid 2 M3 31.32 dBV/m	Grid 3 M3 31.4 dBV/m
Grid 4 M4 26.64 dBV/m	Grid 5 M3 30.93 dBV/m	Grid 6 M3 30.96 dBV/m
Grid 7 M4 29.66 dBV/m	Grid 8 M4 29.37 dBV/m	Grid 9 M4 29.23 dBV/m



0 dB = 37.17 V/m = 31.40 dBV/m

HAC-RF Emission LAT

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

Phantom section: RF Section

DASY5 Configuration:

- Probe: ER3DV6 - SN2540; ConvF(1, 1, 1); Calibrated: 8/10/2015;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1377; Calibrated: 9/14/2016
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7164)

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

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

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 19.25 V/m; Power Drift = -0.09 dB

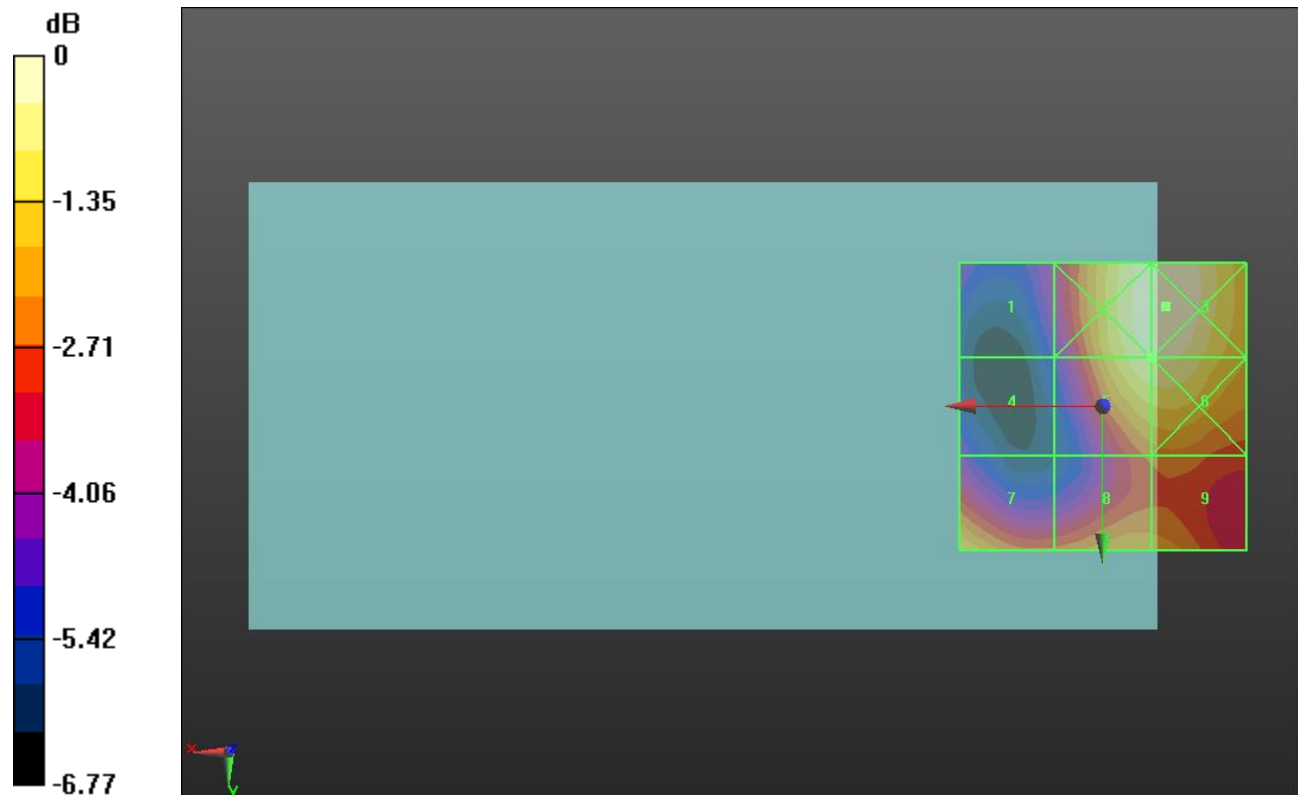
Applied MIF = 3.63 dB

RF audio interference level = 29.50 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 26.09 dBV/m	Grid 2 M4 29.89 dBV/m	Grid 3 M4 29.96 dBV/m
Grid 4 M4 25.57 dBV/m	Grid 5 M4 29.5 dBV/m	Grid 6 M4 29.57 dBV/m
Grid 7 M4 28.78 dBV/m	Grid 8 M4 28.18 dBV/m	Grid 9 M4 28.12 dBV/m



0 dB = 31.49 V/m = 29.96 dBV/m

HAC-RF Emission LAT

Communication System: UID 10021 - DAC, GSM-FDD (TDMA, GMSK); Frequency: 1909.8 MHz; Duty Cycle: 1:8.6896

Phantom section: RF Section

DASY5 Configuration:

- Probe: ER3DV6 - SN2540; ConvF(1, 1, 1); Calibrated: 8/10/2015;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1377; Calibrated: 9/14/2016
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.8 (8); 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 = 21.22 V/m; Power Drift = -0.03 dB

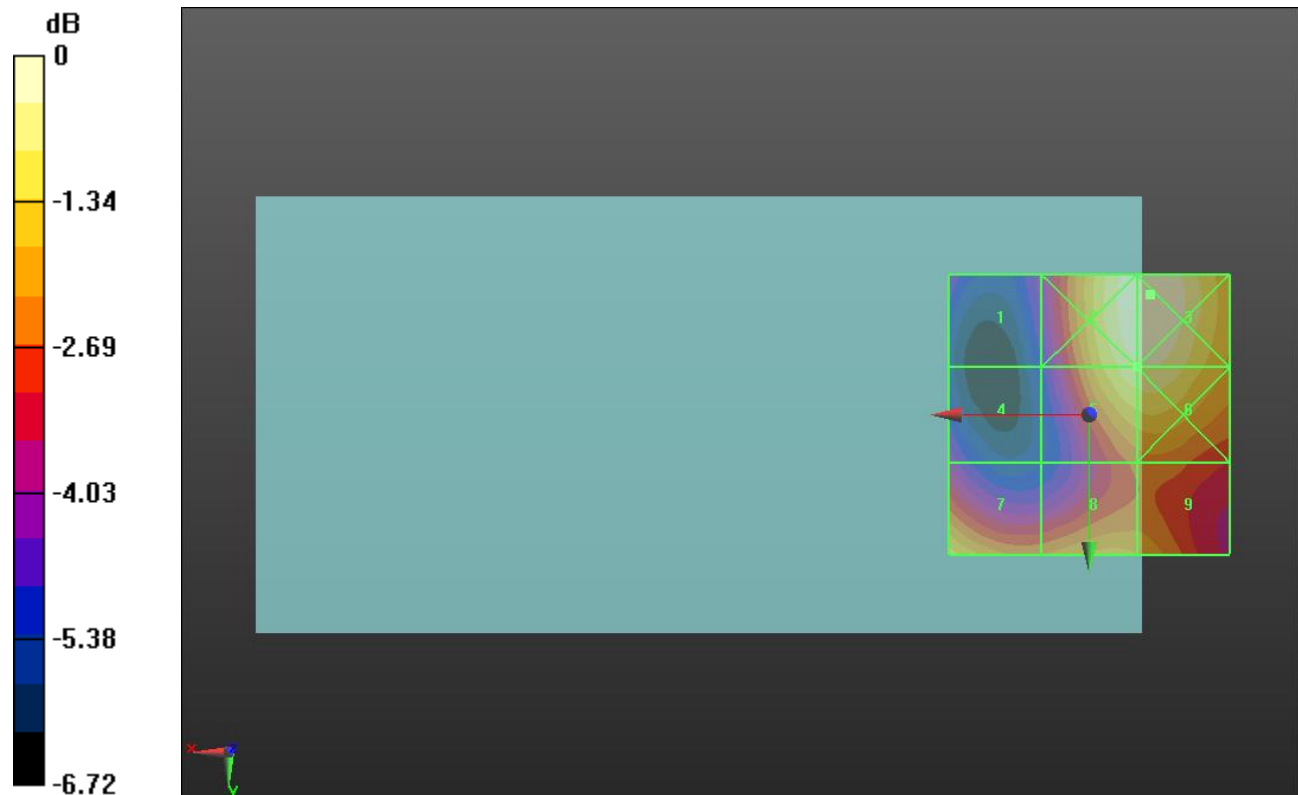
Applied MIF = 3.63 dB

RF audio interference level = 30.71 dBV/m

Emission category: M3

MIF scaled E-field

Grid 1 M4 27.04 dBV/m	Grid 2 M3 31.15 dBV/m	Grid 3 M3 31.23 dBV/m
Grid 4 M4 27.2 dBV/m	Grid 5 M3 30.71 dBV/m	Grid 6 M3 30.79 dBV/m
Grid 7 M3 30.19 dBV/m	Grid 8 M4 29.66 dBV/m	Grid 9 M4 29.47 dBV/m



0 dB = 36.44 V/m = 31.23 dBV/m

HAC-RF Emission LAT

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

Phantom section: RF Section

DASY5 Configuration:

- Probe: ER3DV6 - SN2509; ConvF(1, 1, 1); Calibrated: 5/12/2017;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1377; Calibrated: 9/14/2016
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.8 (8); 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 = 46.51 V/m; Power Drift = -0.06 dB

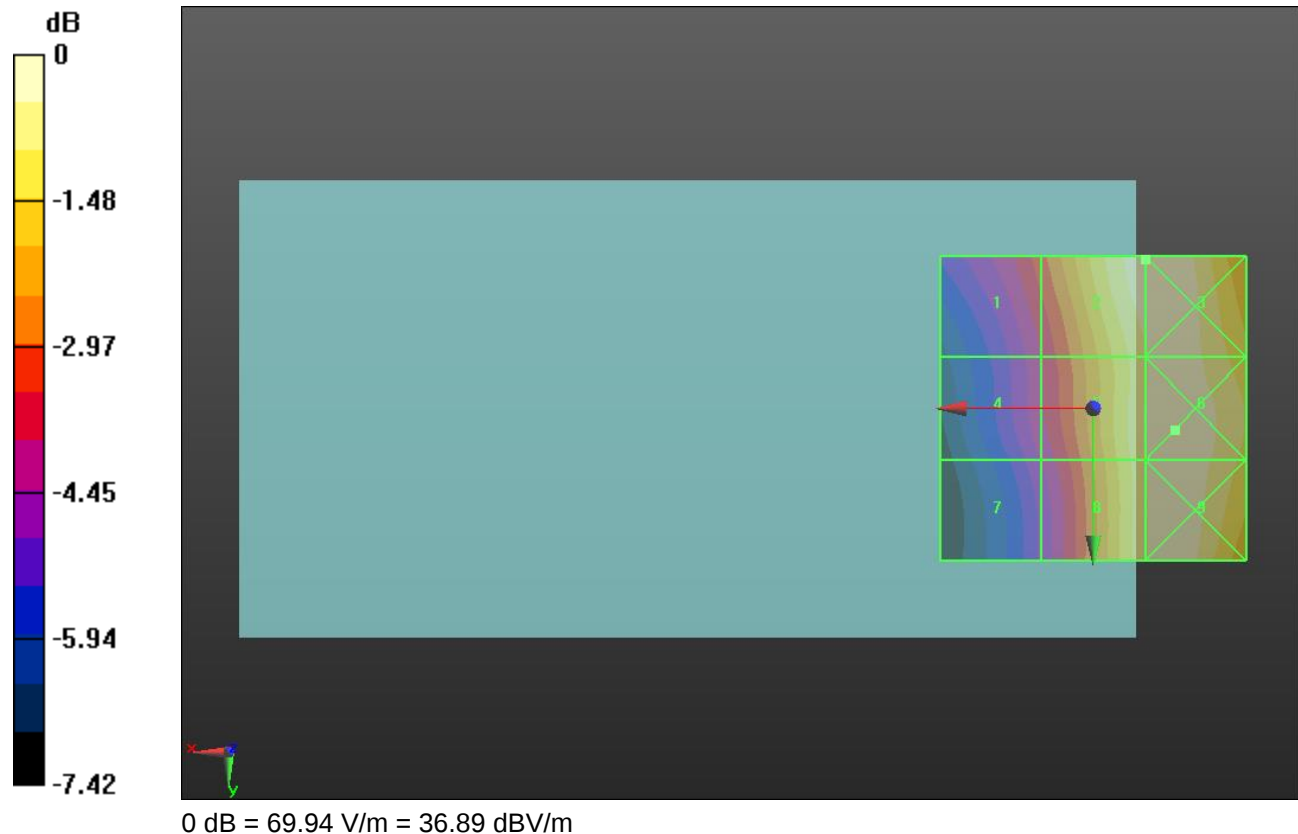
Applied MIF = 3.26 dB

RF audio interference level = 36.74 dBV/m

Emission category: **M4**

MIF scaled E-field

Grid 1 M4 33.77 dBV/m	Grid 2 M4 36.74 dBV/m	Grid 3 M4 36.83 dBV/m
Grid 4 M4 32.98 dBV/m	Grid 5 M4 36.47 dBV/m	Grid 6 M4 36.89 dBV/m
Grid 7 M4 32.48 dBV/m	Grid 8 M4 36.39 dBV/m	Grid 9 M4 36.84 dBV/m



HAC-RF Emission LAT

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

Phantom section: RF Section

DASY5 Configuration:

- Probe: ER3DV6 - SN2509; ConvF(1, 1, 1); Calibrated: 5/12/2017;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1377; Calibrated: 9/14/2016
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.8 (8); 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 = 47.78 V/m; Power Drift = -0.07 dB

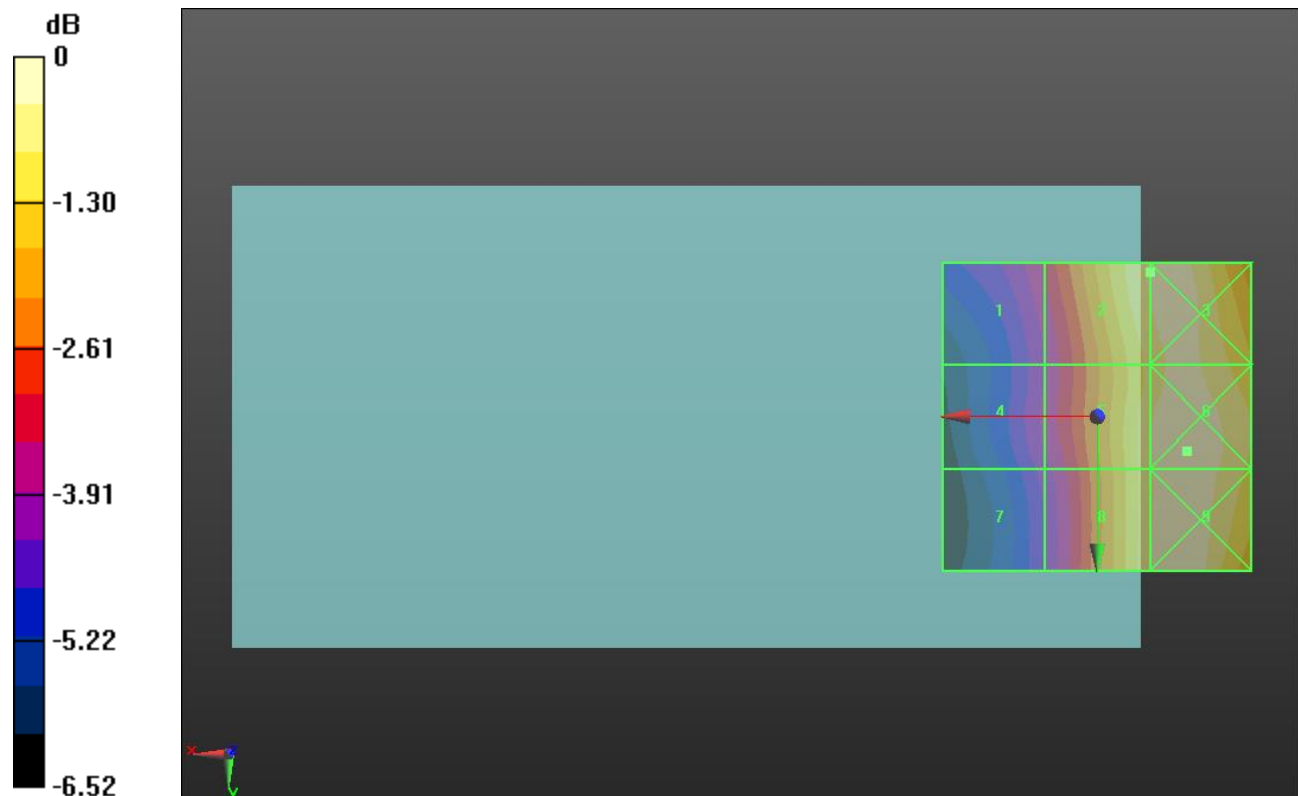
Applied MIF = 3.26 dB

RF audio interference level = 36.29 dBV/m

Emission category: **M4**

MIF scaled E-field

Grid 1 M4 33.3 dBV/m	Grid 2 M4 36.29 dBV/m	Grid 3 M4 36.45 dBV/m
Grid 4 M4 32.9 dBV/m	Grid 5 M4 36.21 dBV/m	Grid 6 M4 36.67 dBV/m
Grid 7 M4 32.59 dBV/m	Grid 8 M4 36.19 dBV/m	Grid 9 M4 36.63 dBV/m



0 dB = 68.13 V/m = 36.67 dBV/m

HAC-RF Emission LAT

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

Phantom section: RF Section

DASY5 Configuration:

- Probe: ER3DV6 - SN2509; ConvF(1, 1, 1); Calibrated: 5/12/2017;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1377; Calibrated: 9/14/2016
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.8 (8); 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 = 61.50 V/m; Power Drift = -0.03 dB

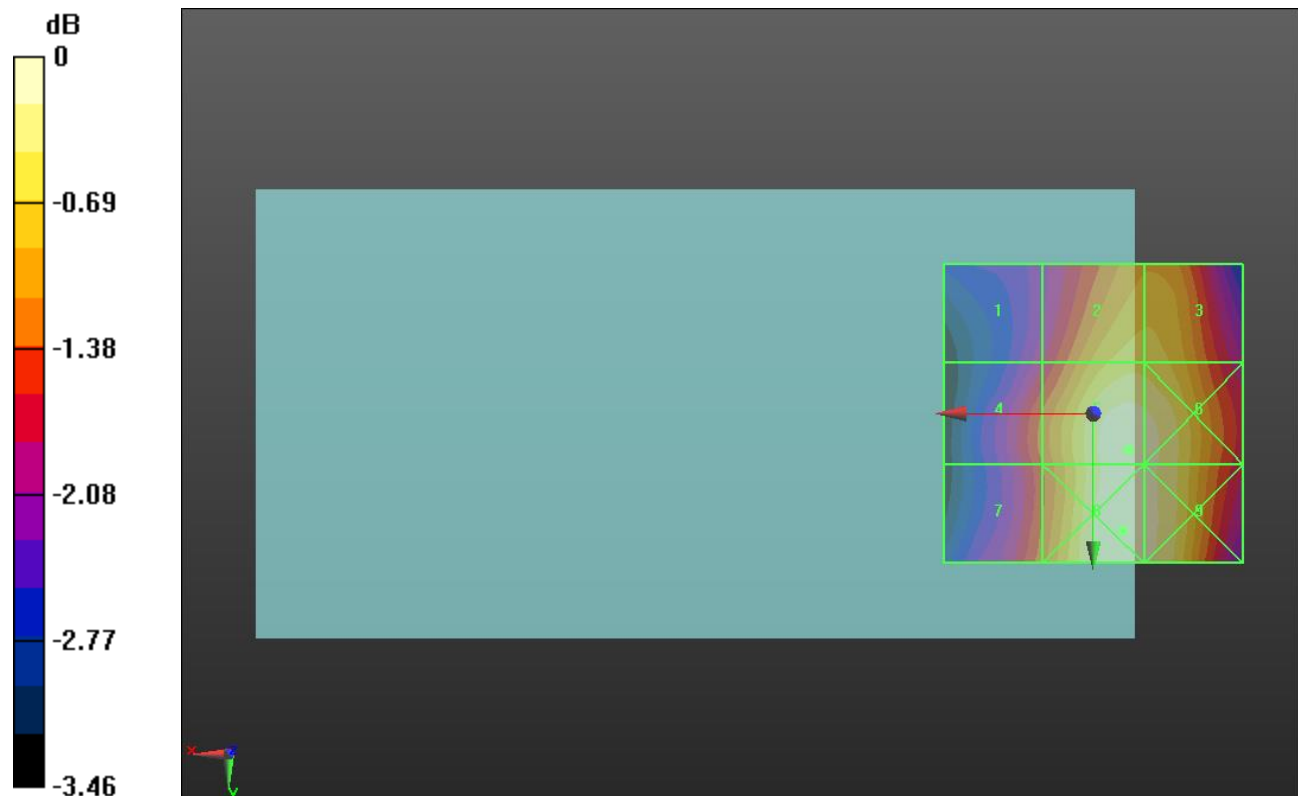
Applied MIF = 3.26 dB

RF audio interference level = 36.09 dBV/m

Emission category: **M4**

MIF scaled E-field

Grid 1 M4 34.3 dBV/m	Grid 2 M4 35.62 dBV/m	Grid 3 M4 35.62 dBV/m
Grid 4 M4 34.88 dBV/m	Grid 5 M4 36.09 dBV/m	Grid 6 M4 36.04 dBV/m
Grid 7 M4 34.94 dBV/m	Grid 8 M4 36.16 dBV/m	Grid 9 M4 36.06 dBV/m



0 dB = 64.23 V/m = 36.15 dBV/m

HAC-RF Emission LAT

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

Phantom section: RF Section

DASY5 Configuration:

- Probe: ER3DV6 - SN2509; ConvF(1, 1, 1); Calibrated: 5/12/2017;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1377; Calibrated: 9/14/2016
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.8 (8); 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 = 35.09 V/m; Power Drift = -0.11 dB

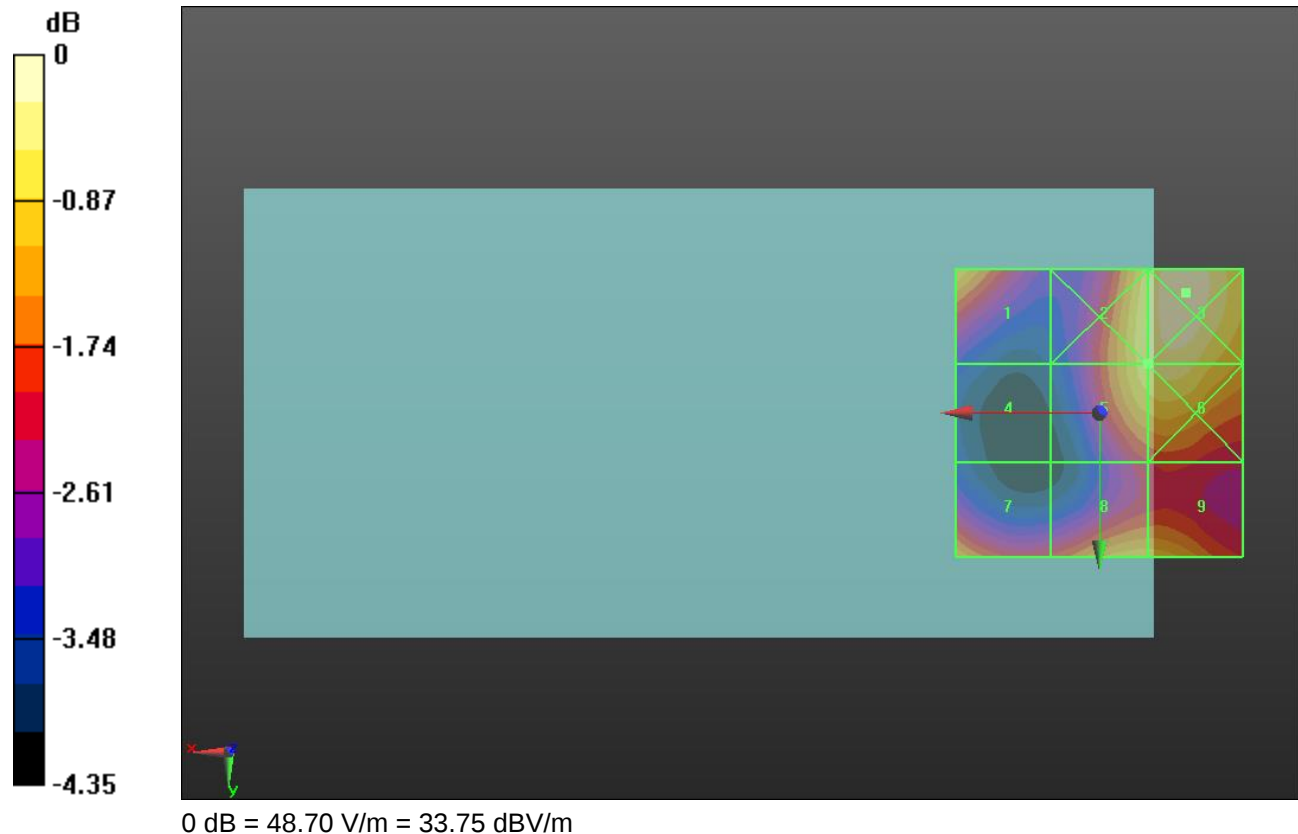
Applied MIF = 3.26 dB

RF audio interference level = 33.13 dBV/m

Emission category: **M3**

MIF scaled E-field

Grid 1 M3 32.91 dBV/m	Grid 2 M3 33.23 dBV/m	Grid 3 M3 33.75 dBV/m
Grid 4 M3 30.58 dBV/m	Grid 5 M3 33.13 dBV/m	Grid 6 M3 33.34 dBV/m
Grid 7 M3 32.69 dBV/m	Grid 8 M3 32.87 dBV/m	Grid 9 M3 32.86 dBV/m



HAC-RF Emission LAT

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

Phantom section: RF Section

DASY5 Configuration:

- Probe: ER3DV6 - SN2509; ConvF(1, 1, 1); Calibrated: 5/12/2017;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1377; Calibrated: 9/14/2016
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.8 (8); 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 = 34.71 V/m; Power Drift = 0.01 dB

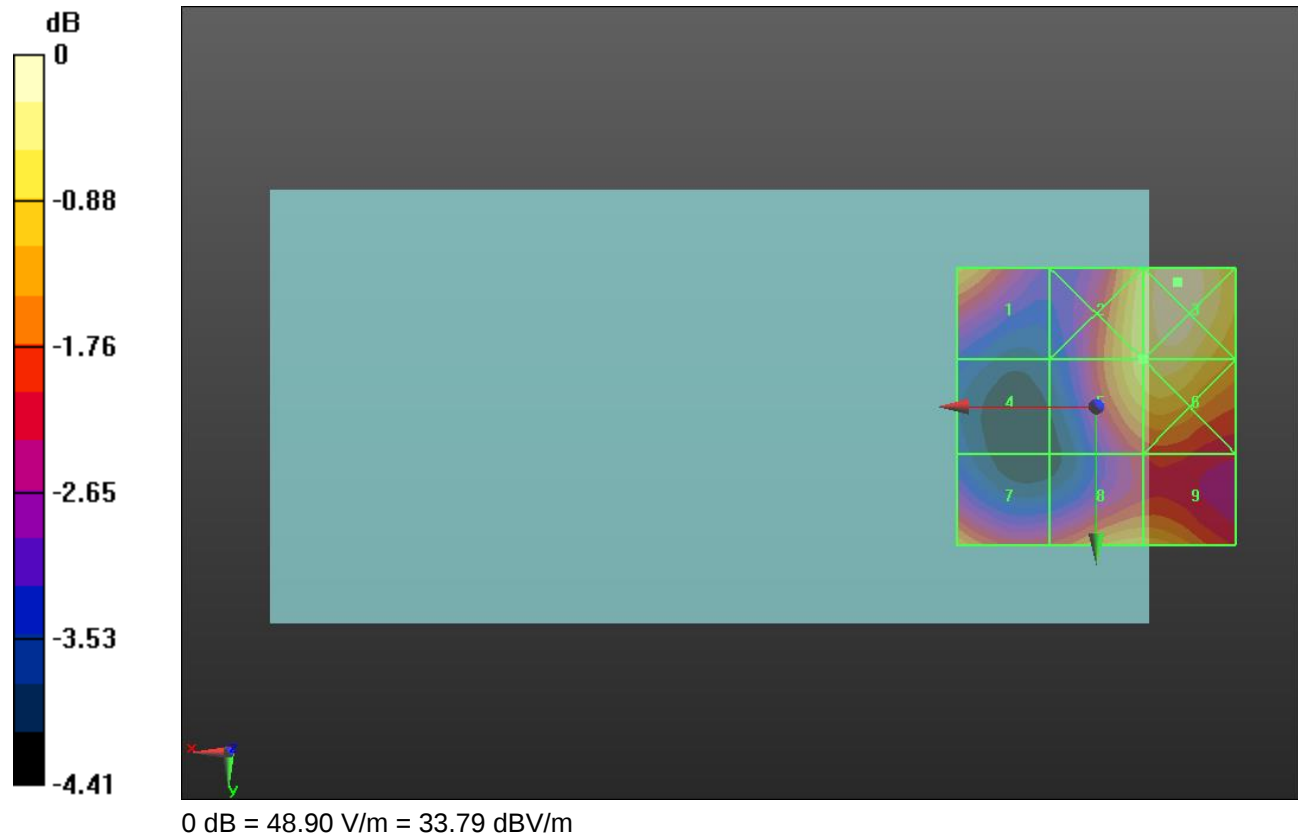
Applied MIF = 3.26 dB

RF audio interference level = 33.15 dBV/m

Emission category: **M3**

MIF scaled E-field

Grid 1 M3 32.76 dBV/m	Grid 2 M3 33.25 dBV/m	Grid 3 M3 33.79 dBV/m
Grid 4 M3 30.5 dBV/m	Grid 5 M3 33.15 dBV/m	Grid 6 M3 33.38 dBV/m
Grid 7 M3 32.69 dBV/m	Grid 8 M3 32.9 dBV/m	Grid 9 M3 32.9 dBV/m



HAC-RF Emission LAT

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

Phantom section: RF Section

DASY5 Configuration:

- Probe: ER3DV6 - SN2509; ConvF(1, 1, 1); Calibrated: 5/12/2017;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1377; Calibrated: 9/14/2016
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.8 (8); 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 = 34.25 V/m; Power Drift = 0.12 dB

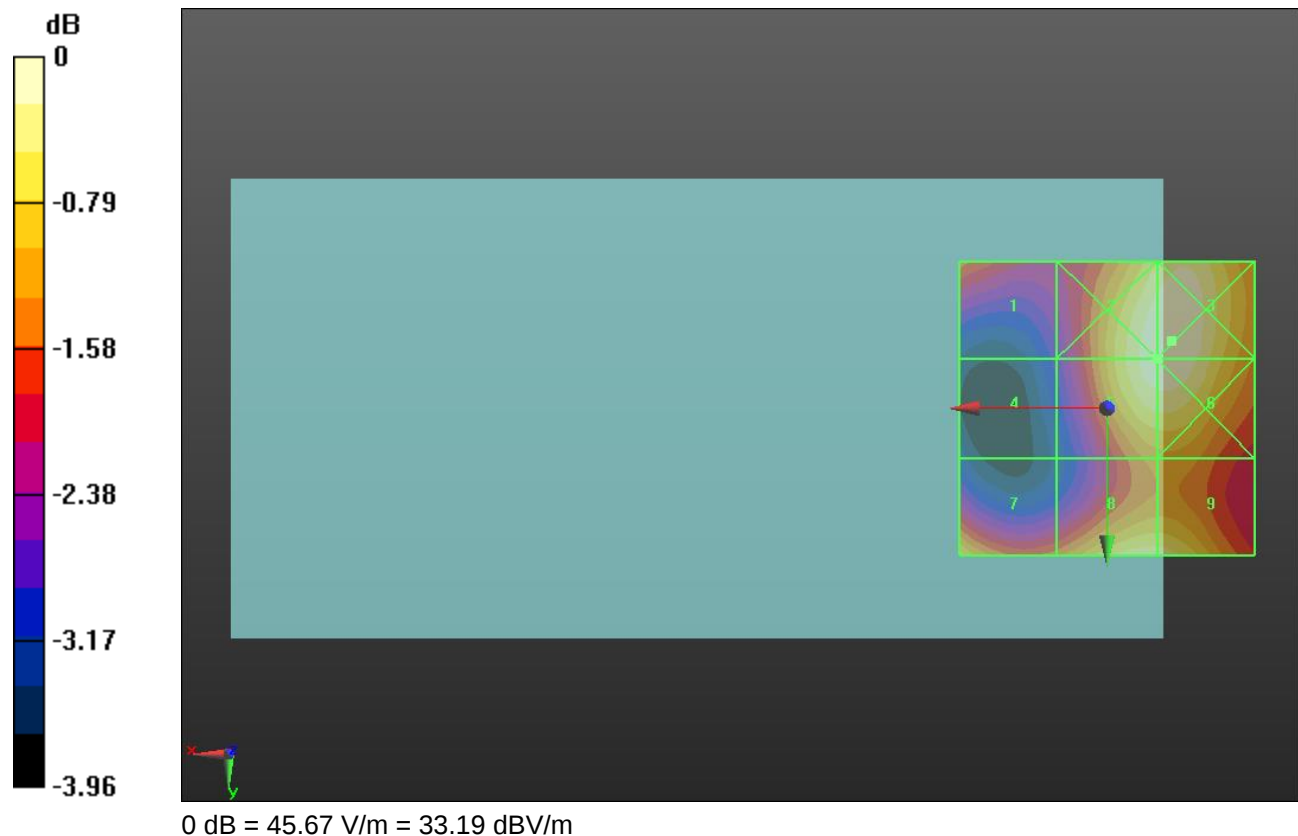
Applied MIF = 3.26 dB

RF audio interference level = 33.12 dBV/m

Emission category: **M3**

MIF scaled E-field

Grid 1 M3 31.77 dBV/m	Grid 2 M3 33.13 dBV/m	Grid 3 M3 33.19 dBV/m
Grid 4 M3 30.45 dBV/m	Grid 5 M3 33.12 dBV/m	Grid 6 M3 33.16 dBV/m
Grid 7 M3 32.59 dBV/m	Grid 8 M3 32.89 dBV/m	Grid 9 M3 32.88 dBV/m



HAC-RF Emission LAT

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

Phantom section: RF Section

DASY5 Configuration:

- Probe: ER3DV6 - SN2509; ConvF(1, 1, 1); Calibrated: 5/12/2017;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1377; Calibrated: 9/14/2016
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.8 (8);SEMCAD X Version 14.6.10 (7164)

CDMA BC10 E-Field measurement/RC1_SO3_ch 450/Hearing Aid Compatibility Test (101x101x1):

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

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 33.57 V/m; Power Drift = -0.05 dB

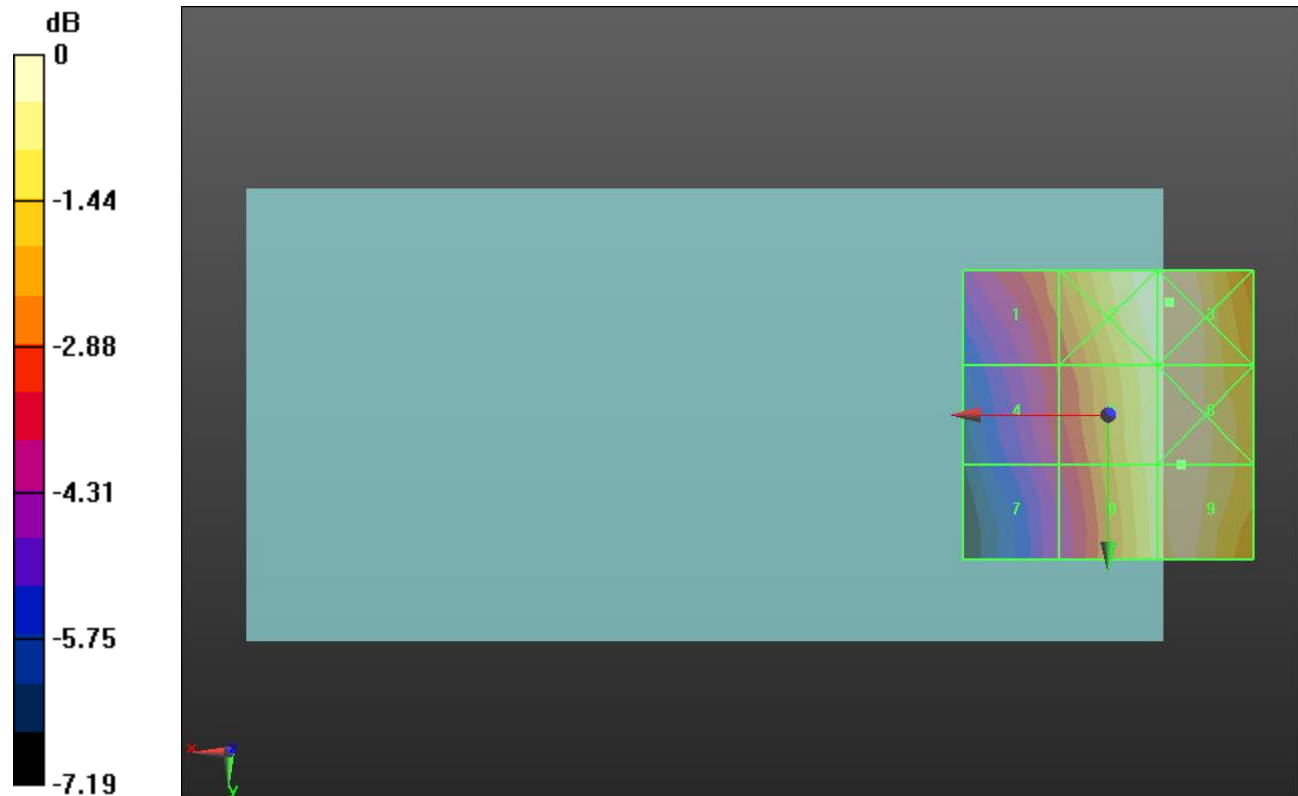
Applied MIF = 3.26 dB

RF audio interference level = 33.93 dBV/m

Emission category: **M4**

MIF scaled E-field

Grid 1 M4 31.69 dBV/m	Grid 2 M4 34.1 dBV/m	Grid 3 M4 34.16 dBV/m
Grid 4 M4 30.95 dBV/m	Grid 5 M4 33.72 dBV/m	Grid 6 M4 34 dBV/m
Grid 7 M4 30.38 dBV/m	Grid 8 M4 33.62 dBV/m	Grid 9 M4 33.93 dBV/m



0 dB = 51.07 V/m = 34.16 dBV/m

HAC-RF Emission LAT

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

Phantom section: RF Section

DASY5 Configuration:

- Probe: ER3DV6 - SN2509; ConvF(1, 1, 1); Calibrated: 5/12/2017;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1377; Calibrated: 9/14/2016
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.8 (8);SEMCAD X Version 14.6.10 (7164)

CDMA BC10 E-Field measurement/RC1_SO3_ch 560/Hearing Aid Compatibility Test (101x101x1):

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

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 32.51 V/m; Power Drift = 0.13 dB

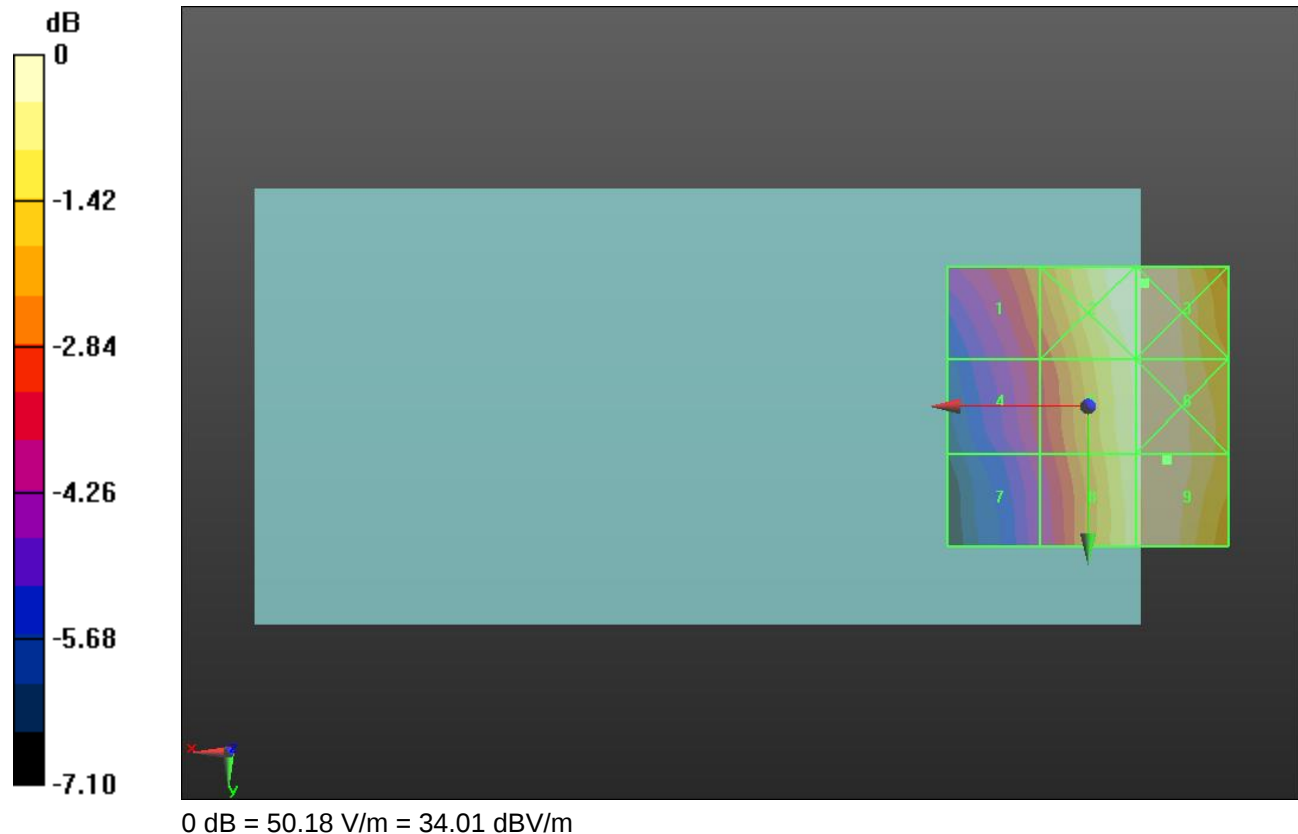
Applied MIF = 3.26 dB

RF audio interference level = 33.92 dBV/m

Emission category: **M4**

MIF scaled E-field

Grid 1 M4 31.66 dBV/m	Grid 2 M4 33.99 dBV/m	Grid 3 M4 34.01 dBV/m
Grid 4 M4 30.78 dBV/m	Grid 5 M4 33.68 dBV/m	Grid 6 M4 33.92 dBV/m
Grid 7 M4 30.2 dBV/m	Grid 8 M4 33.57 dBV/m	Grid 9 M4 33.92 dBV/m



HAC-RF Emission LAT

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

Phantom section: RF Section

DASY5 Configuration:

- Probe: ER3DV6 - SN2509; ConvF(1, 1, 1); Calibrated: 5/12/2017;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1377; Calibrated: 9/14/2016
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7164)

CDMA BC10 E-Field measurement/RC1_SO3_ch 670/Hearing Aid Compatibility Test (101x101x1): Interpolated grid: dx=0.5000 mm, dy=0.5000 mm

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 31.88 V/m; Power Drift = -1.43 dB

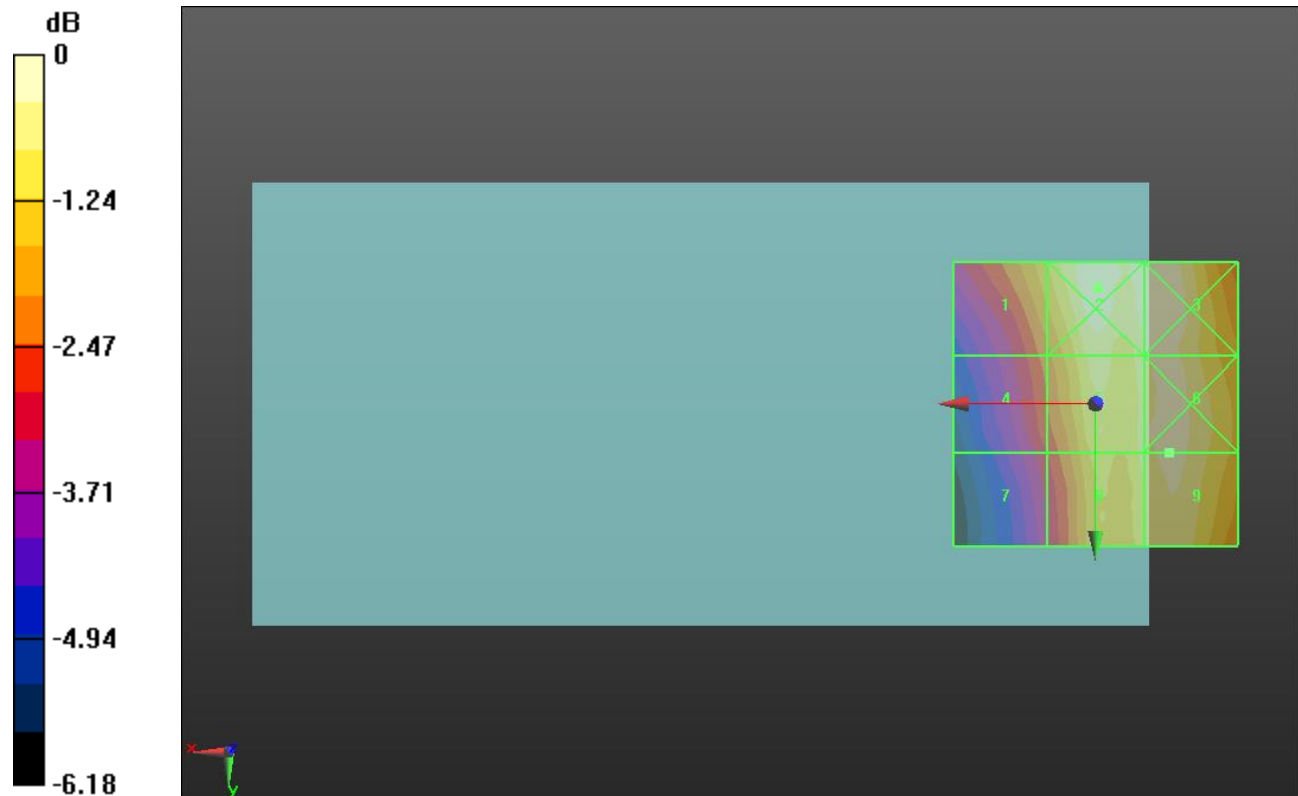
Applied MIF = 3.26 dB

RF audio interference level = 32.42 dBV/m

Emission category: **M4**

MIF scaled E-field

Grid 1 M4 31.47 dBV/m	Grid 2 M4 32.72 dBV/m	Grid 3 M4 32.63 dBV/m
Grid 4 M4 30.54 dBV/m	Grid 5 M4 32.21 dBV/m	Grid 6 M4 32.46 dBV/m
Grid 7 M4 29.87 dBV/m	Grid 8 M4 32.06 dBV/m	Grid 9 M4 32.42 dBV/m



0 dB = 43.27 V/m = 32.72 dBV/m

HAC-RF Emission LAT

Communication System: UID 10173 - CAC, LTE-TDD (SC-FDMA, 1 RB, 20 MHz, 16-QAM); Frequency: 2506 MHz; Duty Cycle: 1:8.87156

Phantom section: RF Section

DASY5 Configuration:

- Probe: ER3DV6 - SN2509; ConvF(1, 1, 1); Calibrated: 5/12/2017;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1377; Calibrated: 9/14/2016
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7164)

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

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

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 13.33 V/m; Power Drift = -0.06 dB

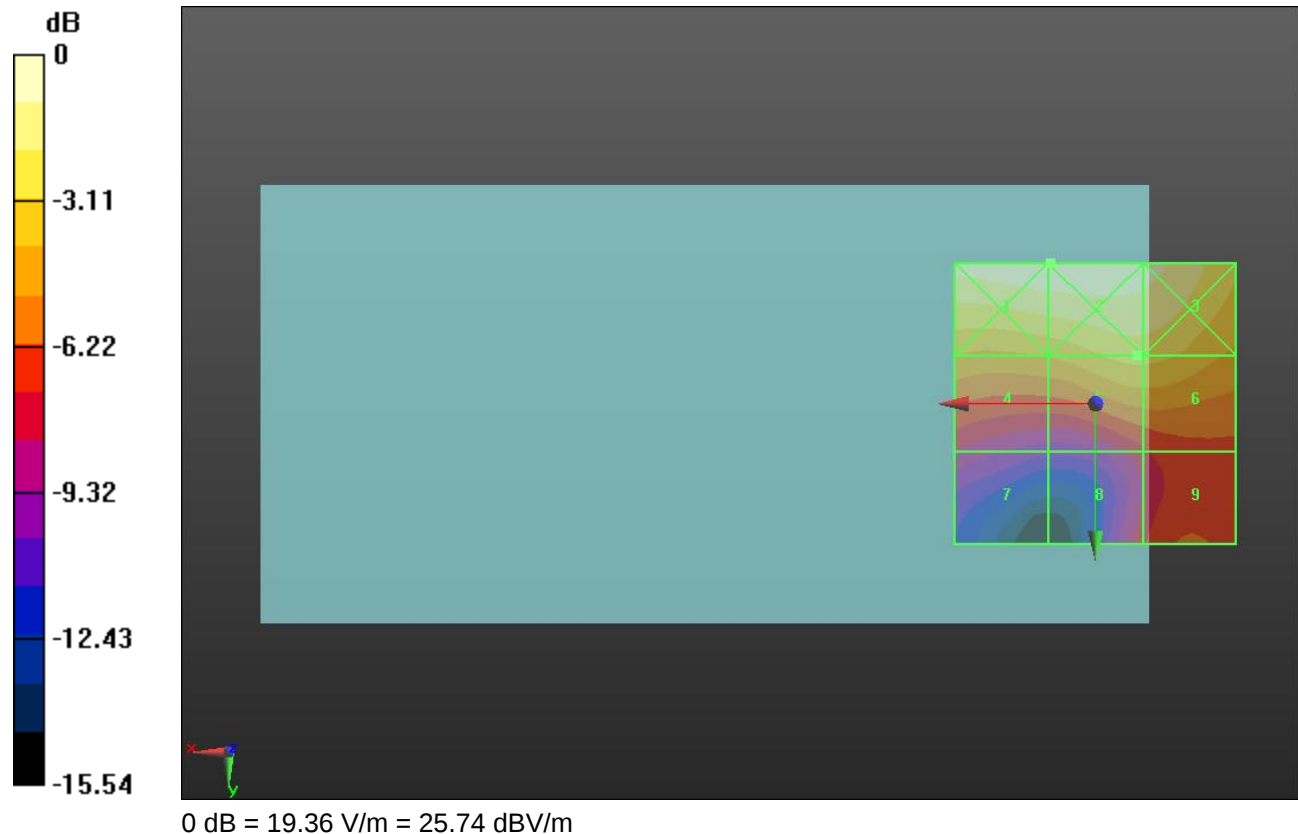
Applied MIF = -1.44 dB

RF audio interference level = 22.98 dBV/m

Emission category: **M4**

MIF scaled E-field

Grid 1 M4 25.73 dBV/m	Grid 2 M4 25.74 dBV/m	Grid 3 M4 25.11 dBV/m
Grid 4 M4 21.68 dBV/m	Grid 5 M4 22.98 dBV/m	Grid 6 M4 22.96 dBV/m
Grid 7 M4 17.42 dBV/m	Grid 8 M4 18.46 dBV/m	Grid 9 M4 19.7 dBV/m



HAC-RF Emission LAT

Communication System: UID 10173 - CAC, LTE-TDD (SC-FDMA, 1 RB, 20 MHz, 16-QAM); Frequency: 2549.5 MHz; Duty Cycle: 1:8.87156

Phantom section: RF Section

DASY5 Configuration:

- Probe: ER3DV6 - SN2509; ConvF(1, 1, 1); Calibrated: 5/12/2017;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1377; Calibrated: 9/14/2016
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7164)

LTE Band 41 E-Field measurement/LTE TDD_16QAM_RB 1/50_ch 40185/Hearing Aid Compatibility Test (101x101x1):

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

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 11.37 V/m; Power Drift = -0.10 dB

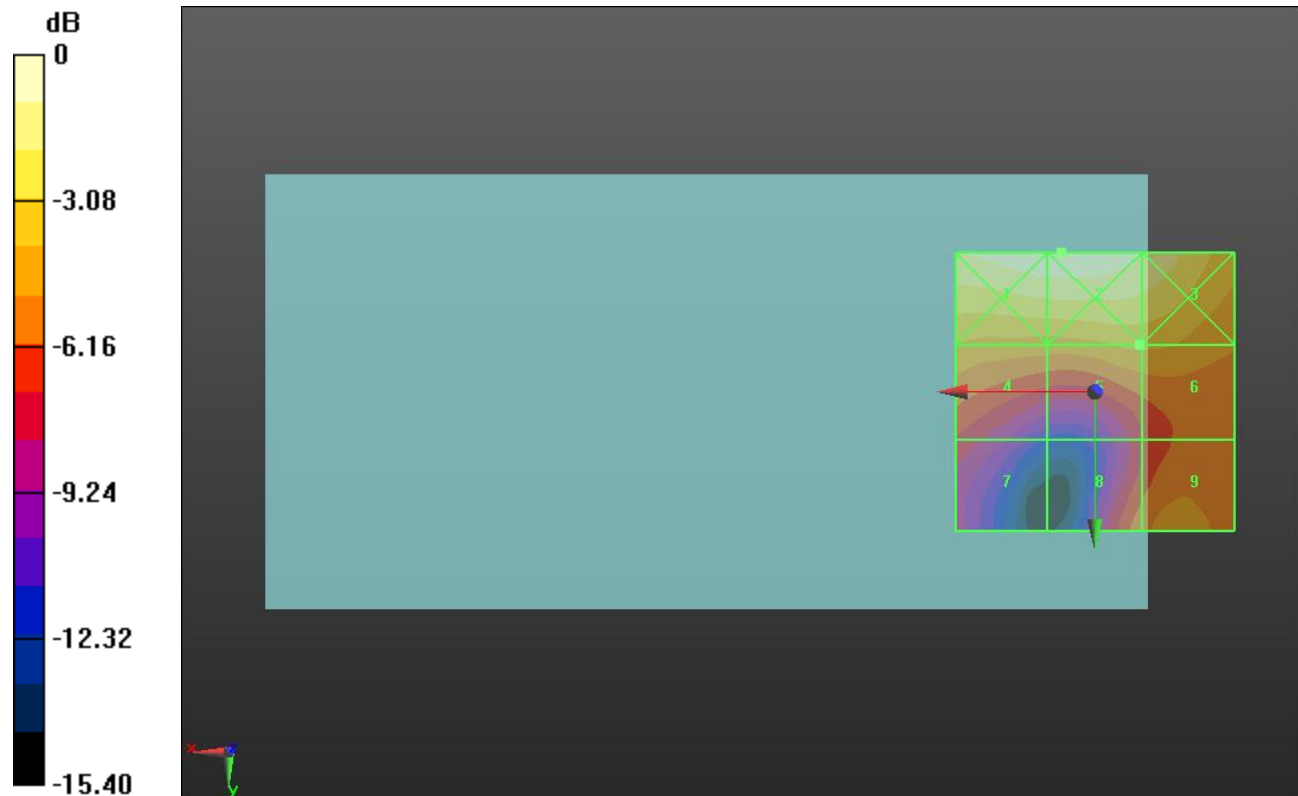
Applied MIF = -1.44 dB

RF audio interference level = 22.30 dBV/m

Emission category: **M4**

MIF scaled E-field

Grid 1 M4 26.13 dBV/m	Grid 2 M4 26.19 dBV/m	Grid 3 M4 25.21 dBV/m
Grid 4 M4 22.09 dBV/m	Grid 5 M4 22.3 dBV/m	Grid 6 M4 22.3 dBV/m
Grid 7 M4 18.94 dBV/m	Grid 8 M4 20.76 dBV/m	Grid 9 M4 21.56 dBV/m



0 dB = 20.39 V/m = 26.19 dBV/m

HAC-RF Emission LAT

Communication System: UID 10173 - CAC, LTE-TDD (SC-FDMA, 1 RB, 20 MHz, 16-QAM); Frequency: 2593 MHz; Duty Cycle: 1:8.87156

Phantom section: RF Section

DASY5 Configuration:

- Probe: ER3DV6 - SN2509; ConvF(1, 1, 1); Calibrated: 5/12/2017;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1377; Calibrated: 9/14/2016
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7164)

LTE Band 41 E-Field measurement/LTE TDD_16QAM_RB 1/50_ch 40620/Hearing Aid Compatibility Test (101x101x1):

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

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 12.55 V/m; Power Drift = -0.12 dB

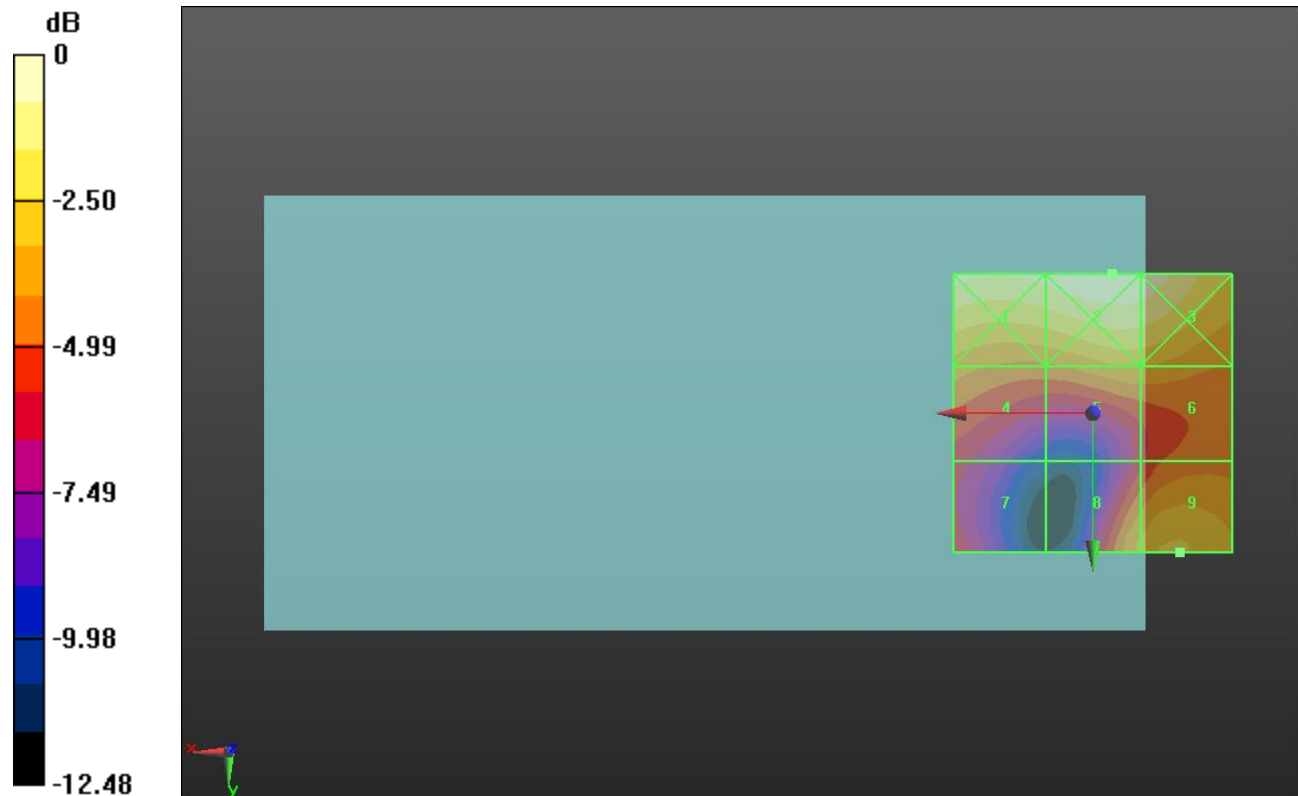
Applied MIF = -1.44 dB

RF audio interference level = 23.38 dBV/m

Emission category: **M4**

MIF scaled E-field

Grid 1 M4 25.25 dBV/m	Grid 2 M4 25.67 dBV/m	Grid 3 M4 25.47 dBV/m
Grid 4 M4 22.02 dBV/m	Grid 5 M4 22.42 dBV/m	Grid 6 M4 22.39 dBV/m
Grid 7 M4 20.03 dBV/m	Grid 8 M4 22.59 dBV/m	Grid 9 M4 23.38 dBV/m



0 dB = 19.20 V/m = 25.67 dBV/m

HAC-RF Emission LAT

Communication System: UID 10173 - CAC, LTE-TDD (SC-FDMA, 1 RB, 20 MHz, 16-QAM); Frequency: 2636.5 MHz; Duty Cycle: 1:8.87156

Phantom section: RF Section

DASY5 Configuration:

- Probe: ER3DV6 - SN2509; ConvF(1, 1, 1); Calibrated: 5/12/2017;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1377; Calibrated: 9/14/2016
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7164)

LTE Band 41 E-Field measurement/LTE TDD_16QAM_RB 1/50_ch 41055/Hearing Aid Compatibility Test (101x101x1): Interpolated grid: dx=0.5000 mm, dy=0.5000 mm

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 10.40 V/m; Power Drift = -0.01 dB

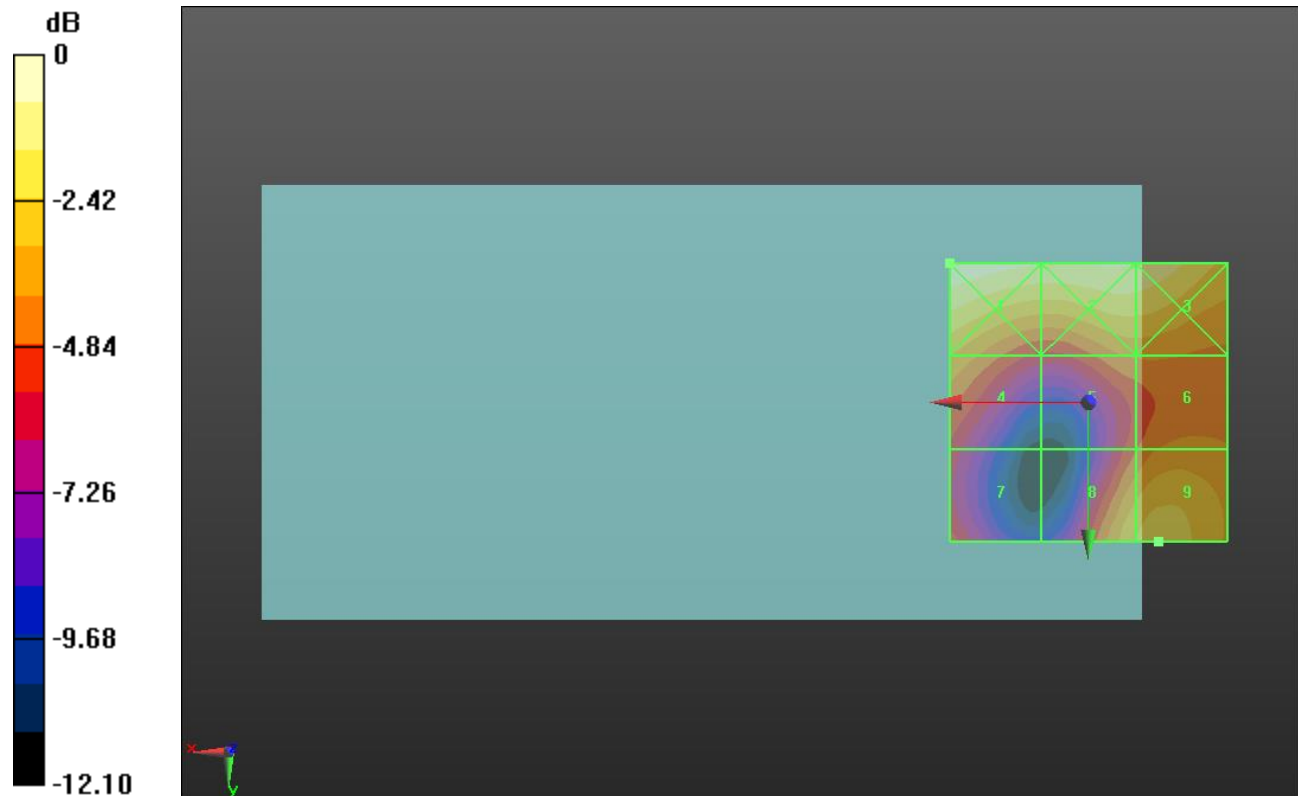
Applied MIF = -1.44 dB

RF audio interference level = 23.05 dBV/m

Emission category: **M4**

MIF scaled E-field

Grid 1 M4 24.99 dBV/m	Grid 2 M4 24.32 dBV/m	Grid 3 M4 24.17 dBV/m
Grid 4 M4 21.85 dBV/m	Grid 5 M4 21.09 dBV/m	Grid 6 M4 21.3 dBV/m
Grid 7 M4 19.89 dBV/m	Grid 8 M4 22.61 dBV/m	Grid 9 M4 23.05 dBV/m



0 dB = 17.77 V/m = 24.99 dBV/m

HAC-RF Emission LAT

Communication System: UID 10173 - CAC, LTE-TDD (SC-FDMA, 1 RB, 20 MHz, 16-QAM); Frequency: 2680 MHz; Duty Cycle: 1:8.87156

Phantom section: RF Section

DASY5 Configuration:

- Probe: ER3DV6 - SN2509; ConvF(1, 1, 1); Calibrated: 5/12/2017;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1377; Calibrated: 9/14/2016
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7164)

LTE Band 41 E-Field measurement/LTE TDD_16QAM_RB 1/50_ch 41490/Hearing Aid Compatibility Test (101x101x1): Interpolated grid: dx=0.5000 mm, dy=0.5000 mm

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 10.77 V/m; Power Drift = -0.06 dB

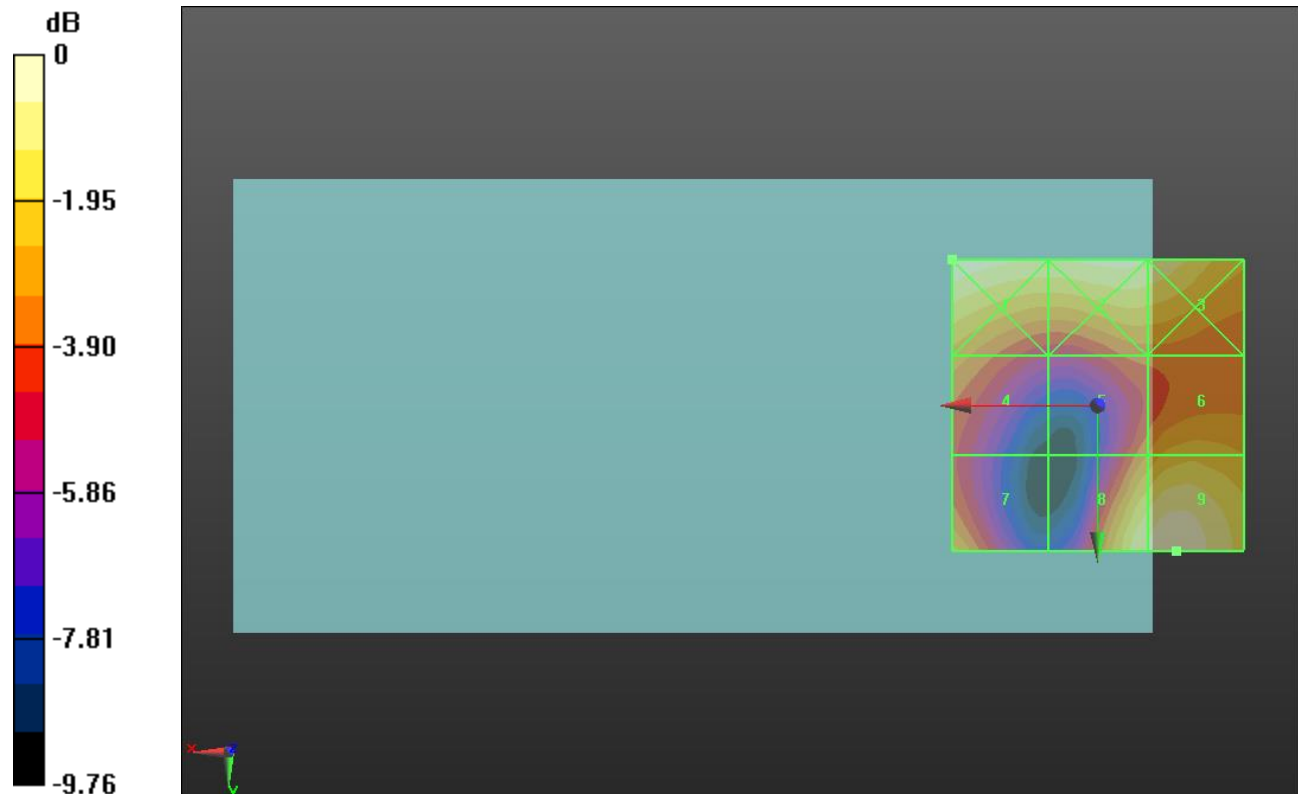
Applied MIF = -1.44 dB

RF audio interference level = 23.96 dBV/m

Emission category: **M4**

MIF scaled E-field

Grid 1 M4 24.05 dBV/m	Grid 2 M4 23.61 dBV/m	Grid 3 M4 23.45 dBV/m
Grid 4 M4 21.2 dBV/m	Grid 5 M4 20.84 dBV/m	Grid 6 M4 21.91 dBV/m
Grid 7 M4 21.73 dBV/m	Grid 8 M4 23.48 dBV/m	Grid 9 M4 23.96 dBV/m



0 dB = 15.93 V/m = 24.04 dBV/m

HAC-RF Emission LAT

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

Phantom section: RF Section

DASY5 Configuration:

- Probe: ER3DV6 - SN2509; ConvF(1, 1, 1); Calibrated: 5/12/2017;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1377; Calibrated: 9/14/2016
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

802.11b E-Field measurement/IEEE 802.11b_OFDM 11 Mbps_ch 2/Hearing Aid Compatibility Test (101x101x1): Interpolated grid: dx=0.5000 mm, dy=0.5000 mm

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 9.158 V/m; Power Drift = 0.18 dB

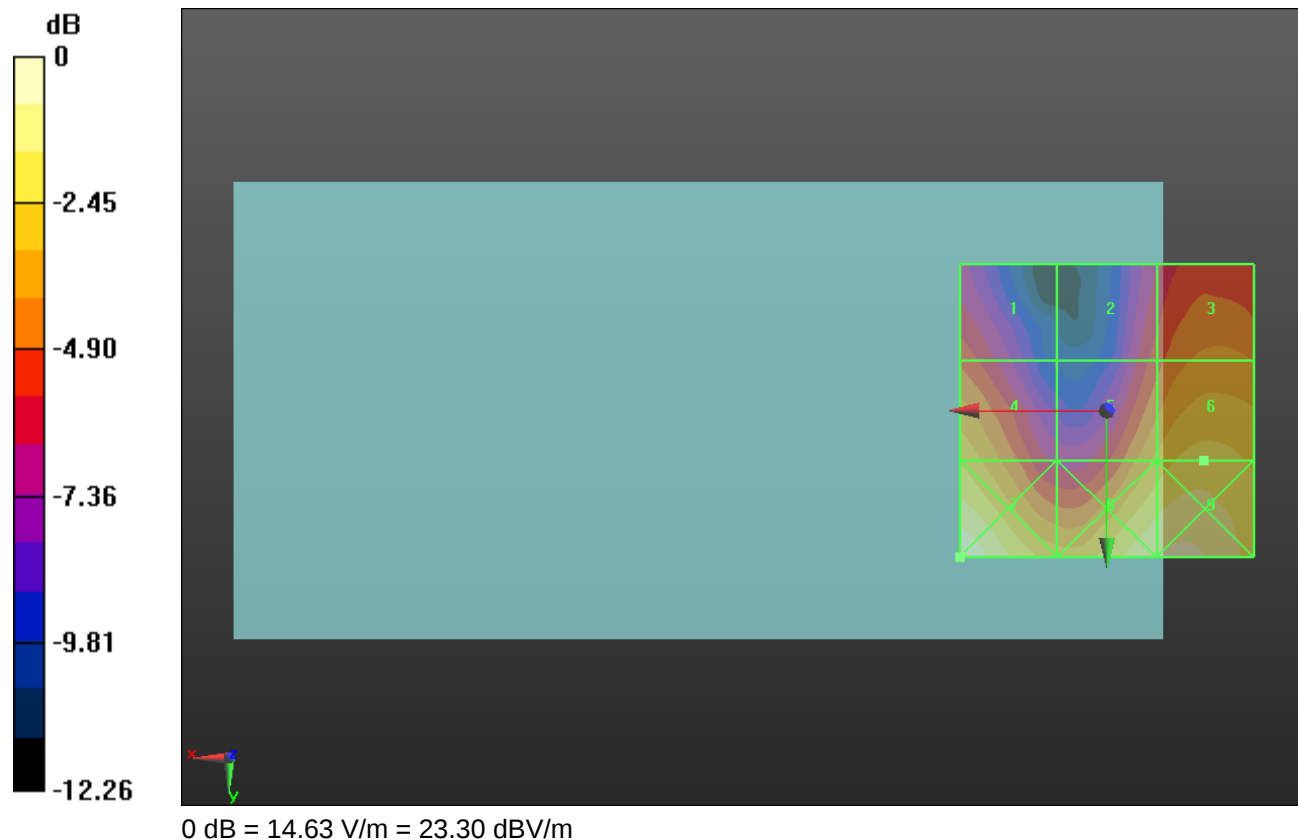
Applied MIF = -2.02 dB

RF audio interference level = 21.20 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 18.25 dBV/m	Grid 2 M4 18.08 dBV/m	Grid 3 M4 19.48 dBV/m
Grid 4 M4 20.79 dBV/m	Grid 5 M4 20.28 dBV/m	Grid 6 M4 21.2 dBV/m
Grid 7 M4 23.31 dBV/m	Grid 8 M4 22.51 dBV/m	Grid 9 M4 22.69 dBV/m



HAC-RF Emission LAT

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

Phantom section: RF Section

DASY5 Configuration:

- Probe: ER3DV6 - SN2509; ConvF(1, 1, 1); Calibrated: 5/12/2017;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1377; Calibrated: 9/14/2016
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

802.11b E-Field measurement/IEEE 802.11b_OFDM 11 Mbps_ch 6/Hearing Aid Compatibility Test (101x101x1): Interpolated grid: dx=0.5000 mm, dy=0.5000 mm

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 8.857 V/m; Power Drift = 0.72 dB

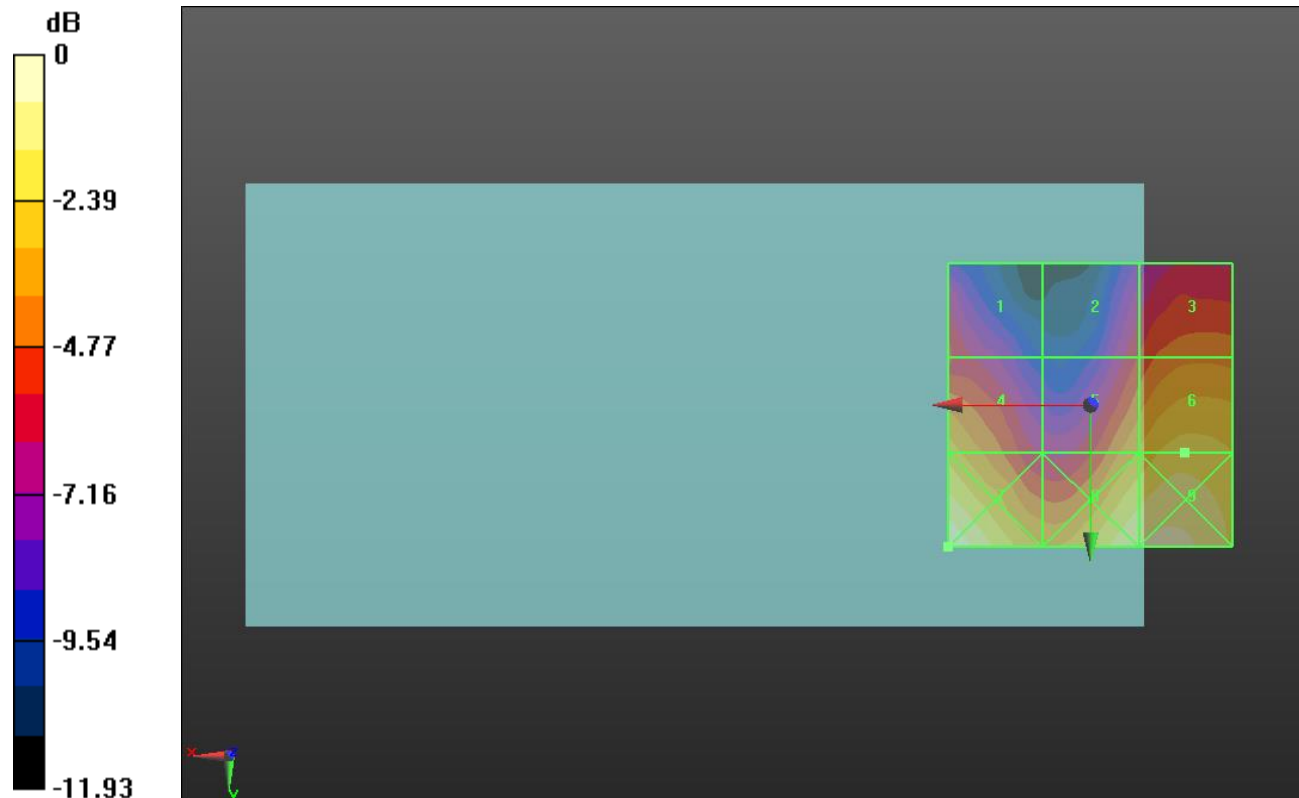
Applied MIF = -2.02 dB

RF audio interference level = 21.31 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 17.91 dBV/m	Grid 2 M4 17.8 dBV/m	Grid 3 M4 19.14 dBV/m
Grid 4 M4 20.61 dBV/m	Grid 5 M4 20.23 dBV/m	Grid 6 M4 21.31 dBV/m
Grid 7 M4 23.27 dBV/m	Grid 8 M4 22.53 dBV/m	Grid 9 M4 22.83 dBV/m



0 dB = 14.57 V/m = 23.27 dBV/m

HAC-RF Emission LAT

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

Phantom section: RF Section

DASY5 Configuration:

- Probe: ER3DV6 - SN2509; ConvF(1, 1, 1); Calibrated: 5/12/2017;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1377; Calibrated: 9/14/2016
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

802.11b E-Field measurement/IEEE 802.11b_OFDM 11 Mbps_ch 10/Hearing Aid Compatibility Test (101x101x1): Interpolated grid: dx=0.5000 mm, dy=0.5000 mm

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 9.716 V/m; Power Drift = 0.04 dB

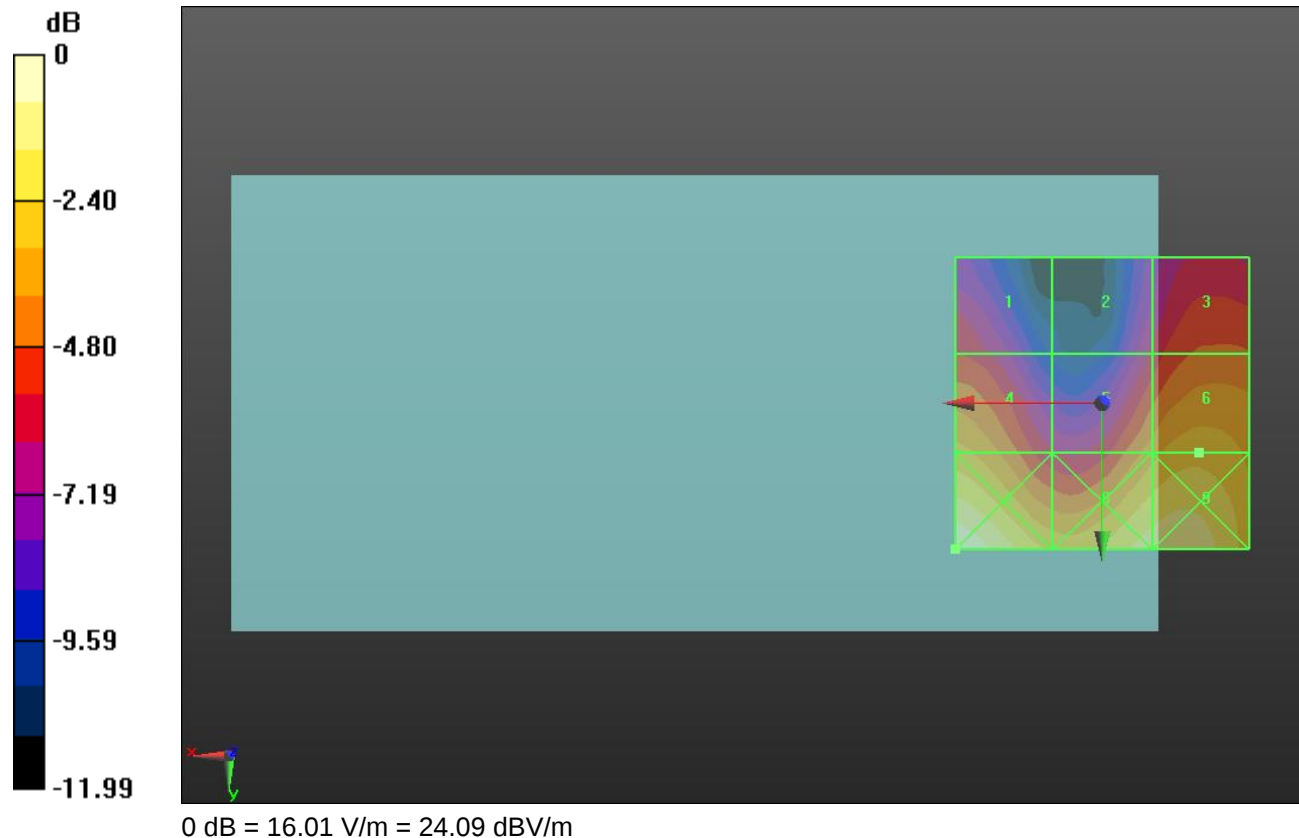
Applied MIF = -2.02 dB

RF audio interference level = 21.42 dBV/m

Emission category: **M4**

MIF scaled E-field

Grid 1 M4 18.55 dBV/m	Grid 2 M4 17.95 dBV/m	Grid 3 M4 19.5 dBV/m
Grid 4 M4 21.21 dBV/m	Grid 5 M4 20.59 dBV/m	Grid 6 M4 21.42 dBV/m
Grid 7 M4 24.09 dBV/m	Grid 8 M4 22.95 dBV/m	Grid 9 M4 23.09 dBV/m



HAC-RF Emission LAT

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

Phantom section: RF Section

DASY5 Configuration:

- Probe: EF3DV3 - SN4041 (5-6 GHz); ConvF(1, 1, 1); Calibrated: 3/14/2017;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1377; Calibrated: 9/14/2016
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

802.11a E-Field measurement/IEEE 802.11a_OFDM 54 Mbps_ch 40/Hearing Aid Compatibility Test (101x101x1): Interpolated grid: dx=0.5000 mm, dy=0.5000 mm

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 16.98 V/m; Power Drift = -0.63 dB

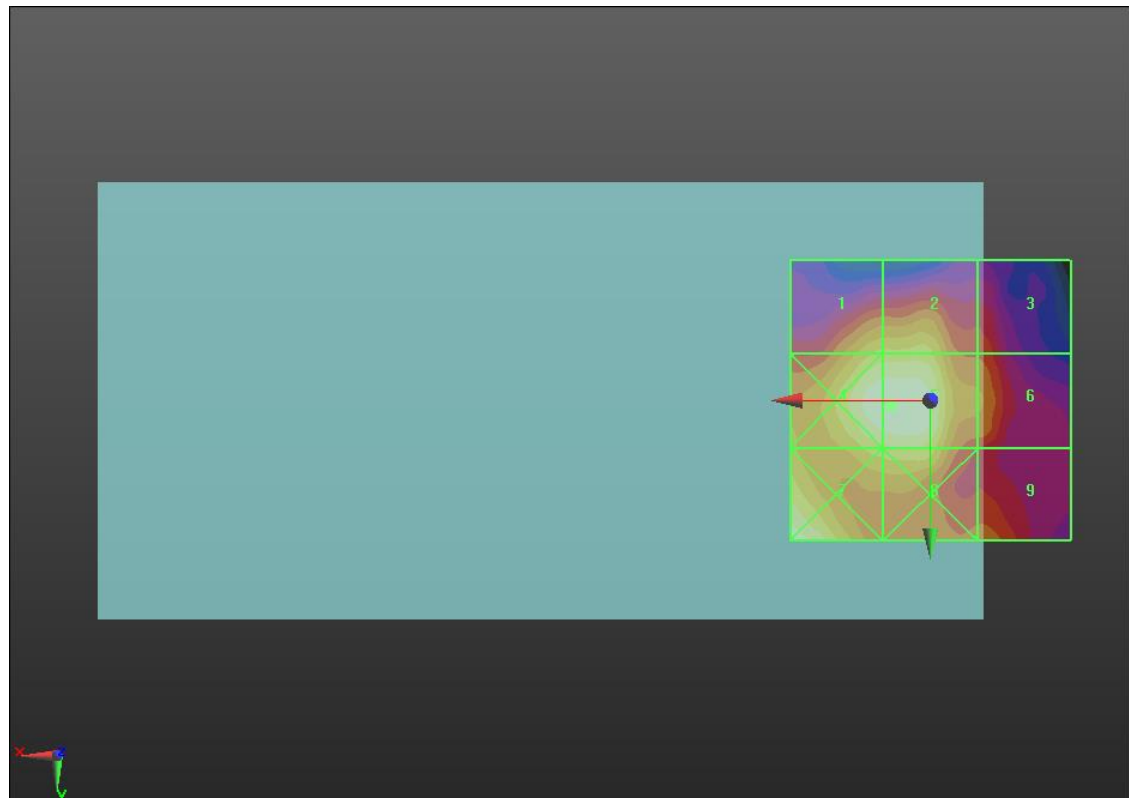
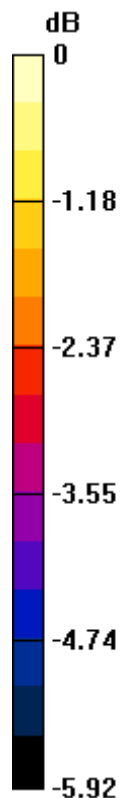
Applied MIF = -3.15 dB

RF audio interference level = 19.98 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 18.91 dBV/m	Grid 2 M4 19.02 dBV/m	Grid 3 M4 17.57 dBV/m
Grid 4 M4 19.96 dBV/m	Grid 5 M4 19.98 dBV/m	Grid 6 M4 18.12 dBV/m
Grid 7 M4 19.89 dBV/m	Grid 8 M4 19.2 dBV/m	Grid 9 M4 17.93 dBV/m



0 dB = 9.975 V/m = 19.98 dBV/m

HAC-RF Emission LAT

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

Phantom section: RF Section

DASY5 Configuration:

- Probe: EF3DV3 - SN4041 (5-6 GHz); ConvF(1, 1, 1); Calibrated: 3/14/2017;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1377; Calibrated: 9/14/2016
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

802.11a E-Field measurement/IEEE 802.11a_OFDM 54 Mbps_ch 44/Hearing Aid Compatibility Test (101x101x1): Interpolated grid: dx=0.5000 mm, dy=0.5000 mm

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 15.67 V/m; Power Drift = -0.04 dB

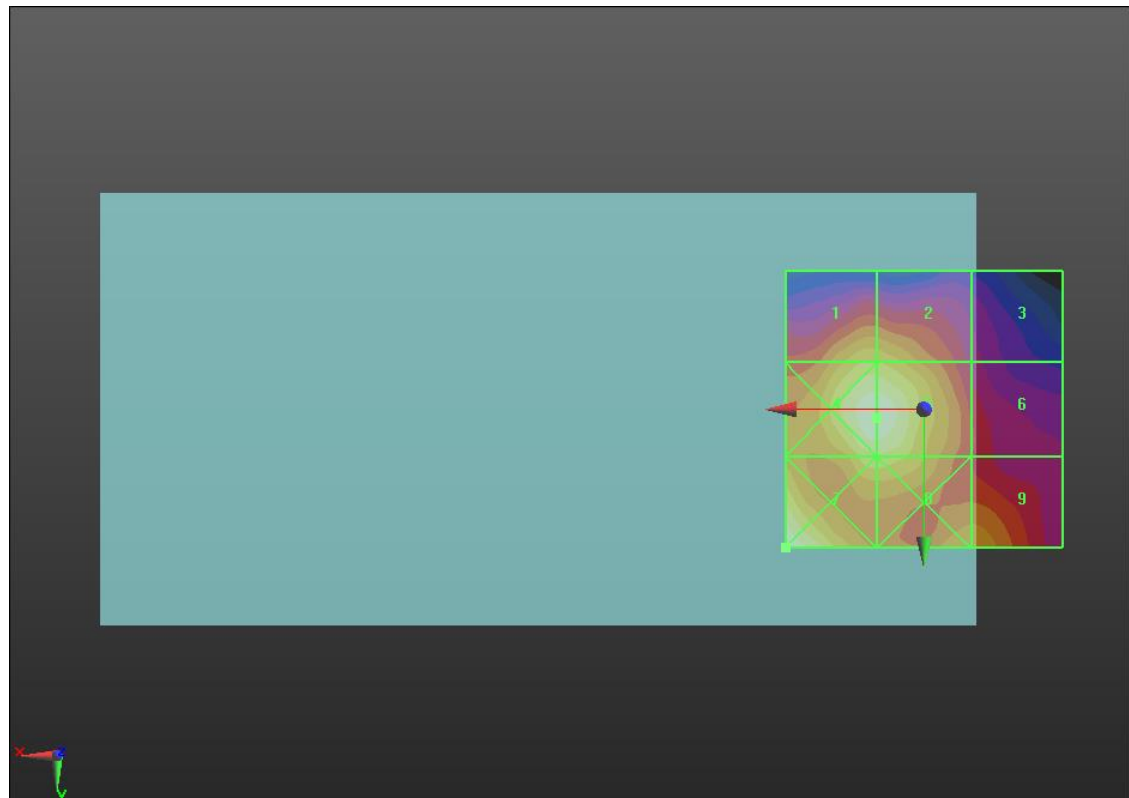
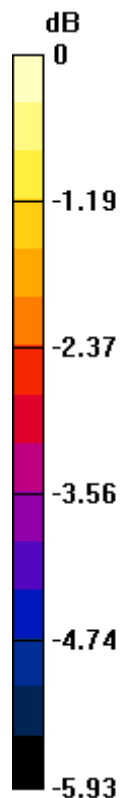
Applied MIF = -3.15 dB

RF audio interference level = 20.19 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 19.22 dBV/m	Grid 2 M4 19.2 dBV/m	Grid 3 M4 17.08 dBV/m
Grid 4 M4 20.19 dBV/m	Grid 5 M4 20.19 dBV/m	Grid 6 M4 17.67 dBV/m
Grid 7 M4 20.34 dBV/m	Grid 8 M4 19.48 dBV/m	Grid 9 M4 18.76 dBV/m



0 dB = 10.40 V/m = 20.34 dBV/m

HAC-RF Emission LAT

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

Phantom section: RF Section

DASY5 Configuration:

- Probe: EF3DV3 - SN4041 (5-6 GHz); ConvF(1, 1, 1); Calibrated: 3/14/2017;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1377; Calibrated: 9/14/2016
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

802.11a E-Field measurement/IEEE 802.11a_OFDM 54 Mbps_ch 48/Hearing Aid Compatibility Test (101x101x1): Interpolated grid: dx=0.5000 mm, dy=0.5000 mm

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 16.22 V/m; Power Drift = 0.12 dB

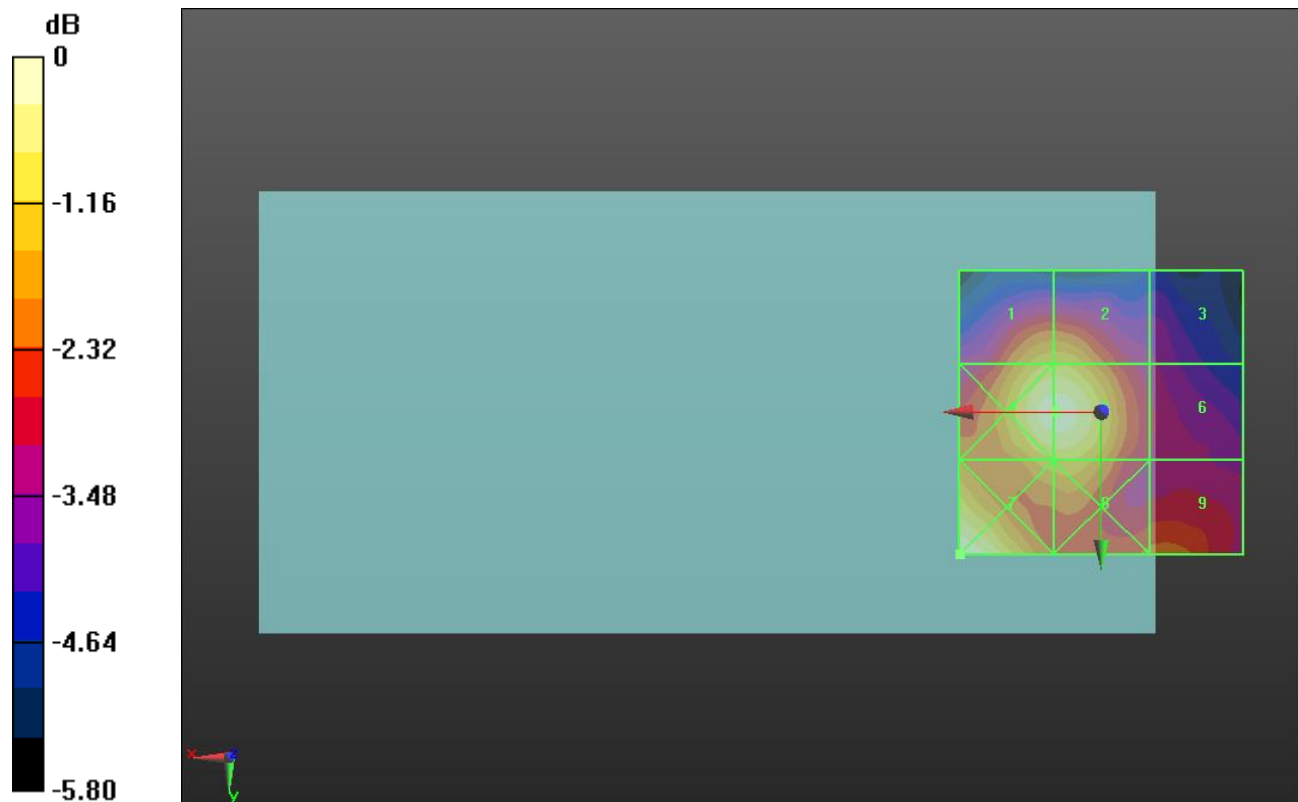
Applied MIF = -3.15 dB

RF audio interference level = 20.59 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 19.62 dBV/m	Grid 2 M4 19.63 dBV/m	Grid 3 M4 17.41 dBV/m
Grid 4 M4 20.58 dBV/m	Grid 5 M4 20.59 dBV/m	Grid 6 M4 17.79 dBV/m
Grid 7 M4 20.75 dBV/m	Grid 8 M4 19.63 dBV/m	Grid 9 M4 18.67 dBV/m



0 dB = 10.90 V/m = 20.75 dBV/m

HAC-RF Emission LAT

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

Phantom section: RF Section

DASY5 Configuration:

- Probe: EF3DV3 - SN4041 (5-6 GHz); ConvF(1, 1, 1); Calibrated: 3/14/2017;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1377; Calibrated: 9/14/2016
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

802.11a E-Field measurement/IEEE 802.11a_OFDM 54 Mbps_ch 52/Hearing Aid Compatibility Test (101x101x1): Interpolated grid: dx=0.5000 mm, dy=0.5000 mm

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 16.39 V/m; Power Drift = 0.01 dB

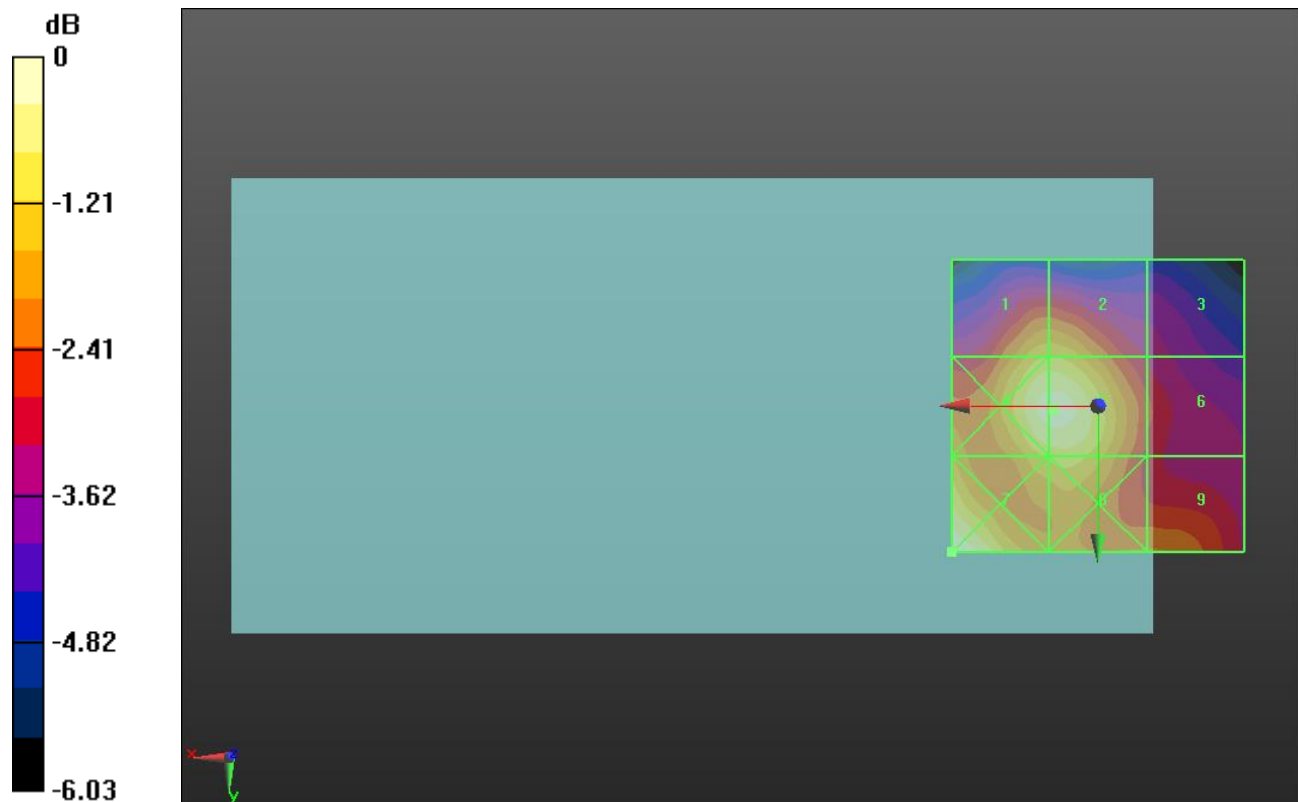
Applied MIF = -3.15 dB

RF audio interference level = 20.40 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 19.43 dBV/m	Grid 2 M4 19.43 dBV/m	Grid 3 M4 17.36 dBV/m
Grid 4 M4 20.37 dBV/m	Grid 5 M4 20.4 dBV/m	Grid 6 M4 17.95 dBV/m
Grid 7 M4 20.62 dBV/m	Grid 8 M4 19.66 dBV/m	Grid 9 M4 18.7 dBV/m



0 dB = 10.75 V/m = 20.63 dBV/m

HAC-RF Emission LAT

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

Phantom section: RF Section

DASY5 Configuration:

- Probe: EF3DV3 - SN4041 (5-6 GHz); ConvF(1, 1, 1); Calibrated: 3/14/2017;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1377; Calibrated: 9/14/2016
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.8 (7);SEMCAD X Version 14.6.10 (7164)

802.11a E-Field measurement/IEEE 802.11a_OFDM 54 Mbps_ch 56/Hearing Aid Compatibility Test (101x101x1): Interpolated grid: dx=0.5000 mm, dy=0.5000 mm

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 16.29 V/m; Power Drift = 0.04 dB

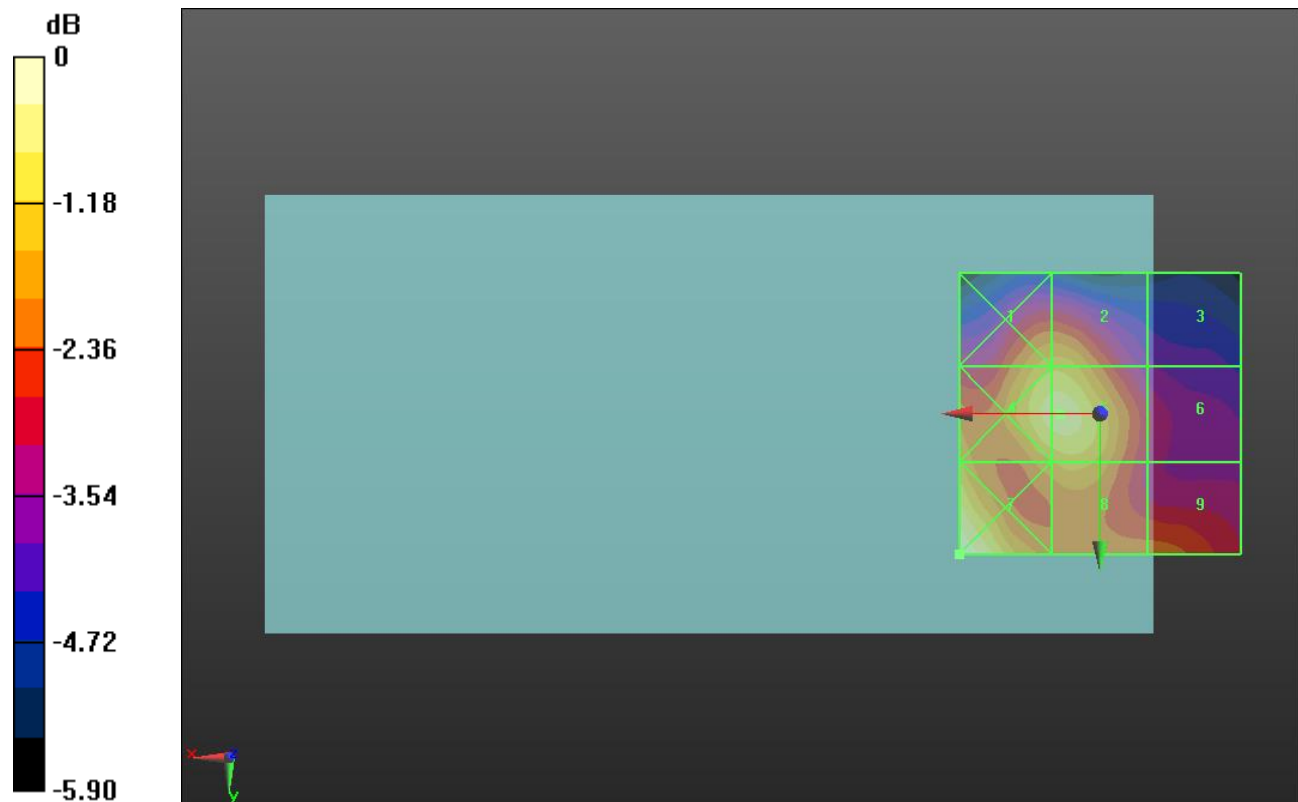
Applied MIF = -3.15 dB

RF audio interference level = 20.33 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 19.58 dBV/m	Grid 2 M4 19.59 dBV/m	Grid 3 M4 17.13 dBV/m
Grid 4 M4 20.28 dBV/m	Grid 5 M4 20.33 dBV/m	Grid 6 M4 17.87 dBV/m
Grid 7 M4 20.89 dBV/m	Grid 8 M4 19.51 dBV/m	Grid 9 M4 18.83 dBV/m



0 dB = 11.08 V/m = 20.89 dBV/m

HAC-RF Emission LAT

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

Phantom section: RF Section

DASY5 Configuration:

- Probe: EF3DV3 - SN4041 (5-6 GHz); ConvF(1, 1, 1); Calibrated: 3/14/2017;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1377; Calibrated: 9/14/2016
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

802.11a E-Field measurement/IEEE 802.11a_OFDM 54 Mbps_ch 60/Hearing Aid Compatibility Test (101x101x1): Interpolated grid: dx=0.5000 mm, dy=0.5000 mm

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 15.83 V/m; Power Drift = 0.01 dB

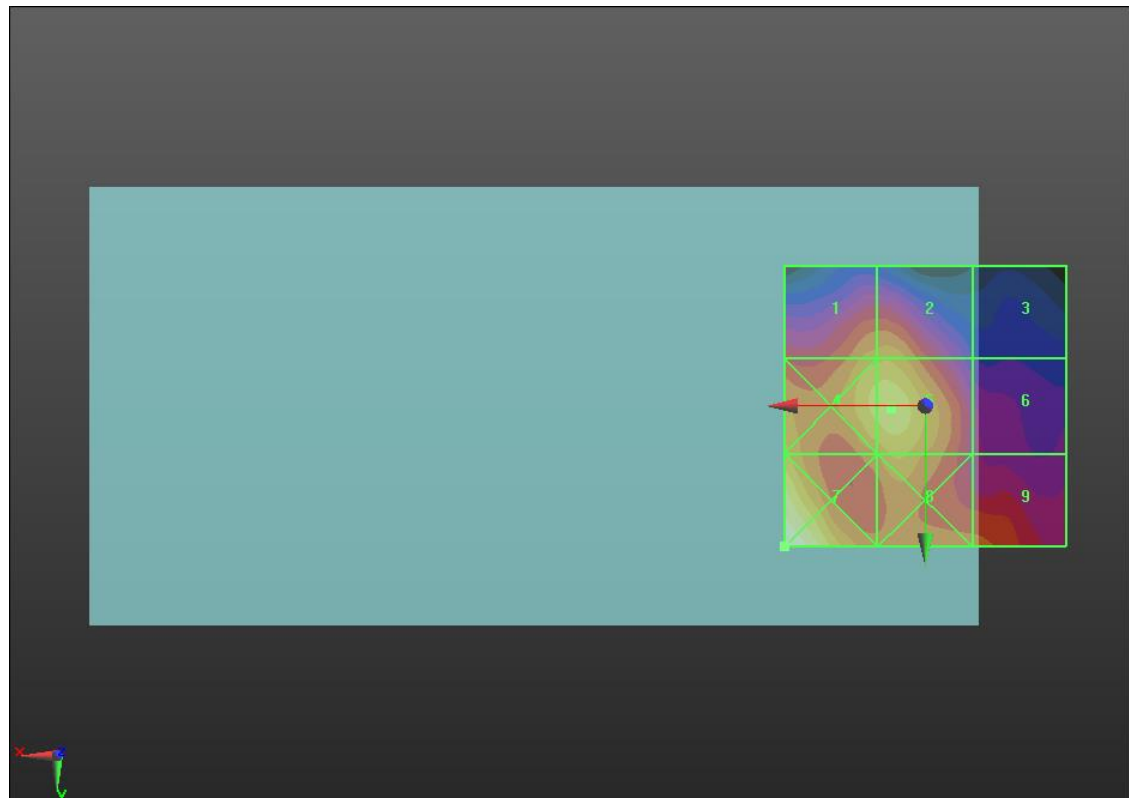
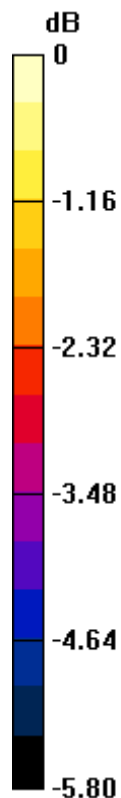
Applied MIF = -3.15 dB

RF audio interference level = 20.03 dBV/m

Emission category: **M4**

MIF scaled E-field

Grid 1 M4 19.24 dBV/m	Grid 2 M4 19.3 dBV/m	Grid 3 M4 16.71 dBV/m
Grid 4 M4 19.89 dBV/m	Grid 5 M4 20.03 dBV/m	Grid 6 M4 17.65 dBV/m
Grid 7 M4 20.9 dBV/m	Grid 8 M4 19.43 dBV/m	Grid 9 M4 18.77 dBV/m



0 dB = 11.09 V/m = 20.90 dBV/m

HAC-RF Emission LAT

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

Phantom section: RF Section

DASY5 Configuration:

- Probe: EF3DV3 - SN4041 (5-6 GHz); ConvF(1, 1, 1); Calibrated: 3/14/2017;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1377; Calibrated: 9/14/2016
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

802.11a E-Field measurement/IEEE 802.11a_OFDM 54 Mbps_ch 108/Hearing Aid Compatibility Test (101x101x1):

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

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 17.78 V/m; Power Drift = 0.65 dB

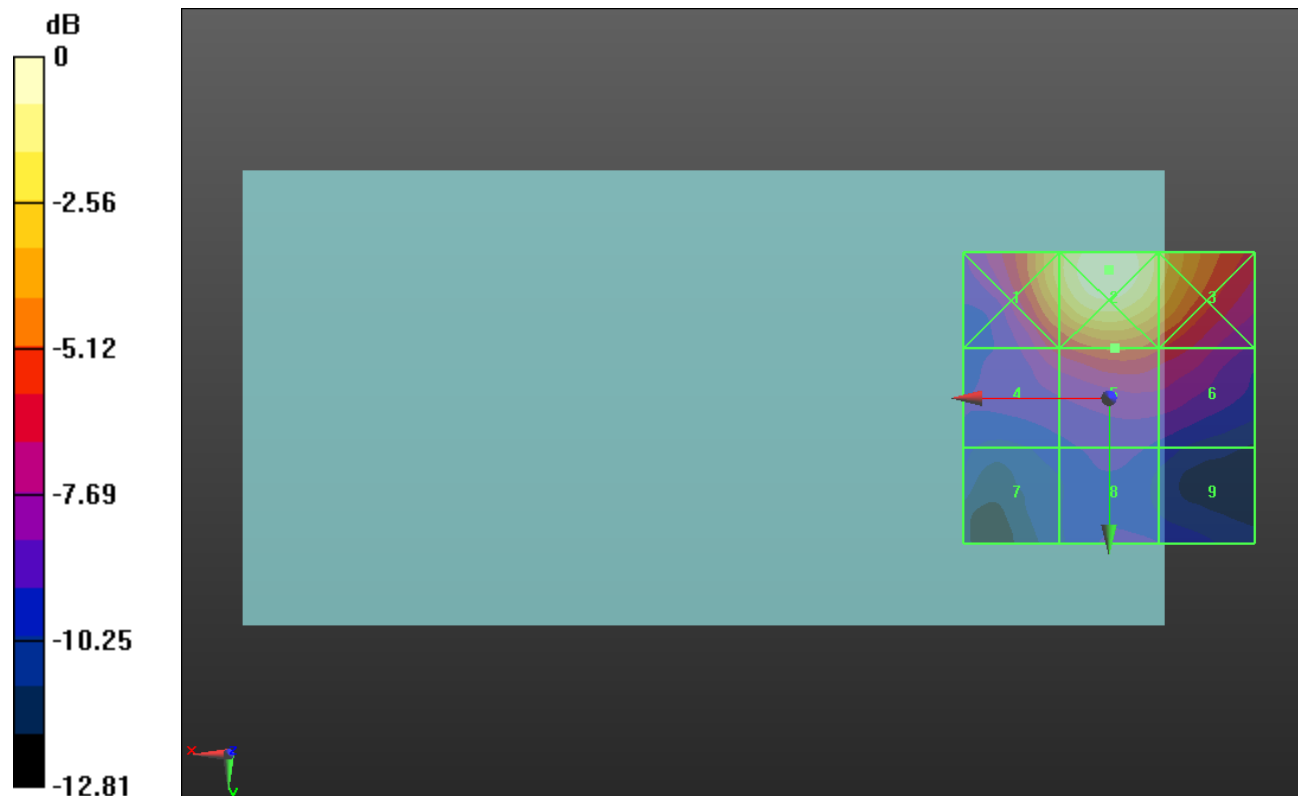
Applied MIF = -3.15 dB

RF audio interference level = 22.67 dBV/m

Emission category: **M4**

MIF scaled E-field

Grid 1 M4 25.6 dBV/m	Grid 2 M4 27.6 dBV/m	Grid 3 M4 25.63 dBV/m
Grid 4 M4 21.21 dBV/m	Grid 5 M4 22.67 dBV/m	Grid 6 M4 21.76 dBV/m
Grid 7 M4 17.94 dBV/m	Grid 8 M4 18.65 dBV/m	Grid 9 M4 18.3 dBV/m



0 dB = 23.98 V/m = 27.60 dBV/m

HAC-RF Emission LAT

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

Phantom section: RF Section

DASY5 Configuration:

- Probe: EF3DV3 - SN4041 (5-6 GHz); ConvF(1, 1, 1); Calibrated: 3/14/2017;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1377; Calibrated: 9/14/2016
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

802.11a E-Field measurement/IEEE 802.11a_OFDM 54 Mbps_ch 124/Hearing Aid Compatibility Test (101x101x1): Interpolated grid: dx=0.5000 mm, dy=0.5000 mm

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 22.55 V/m; Power Drift = -1.21 dB

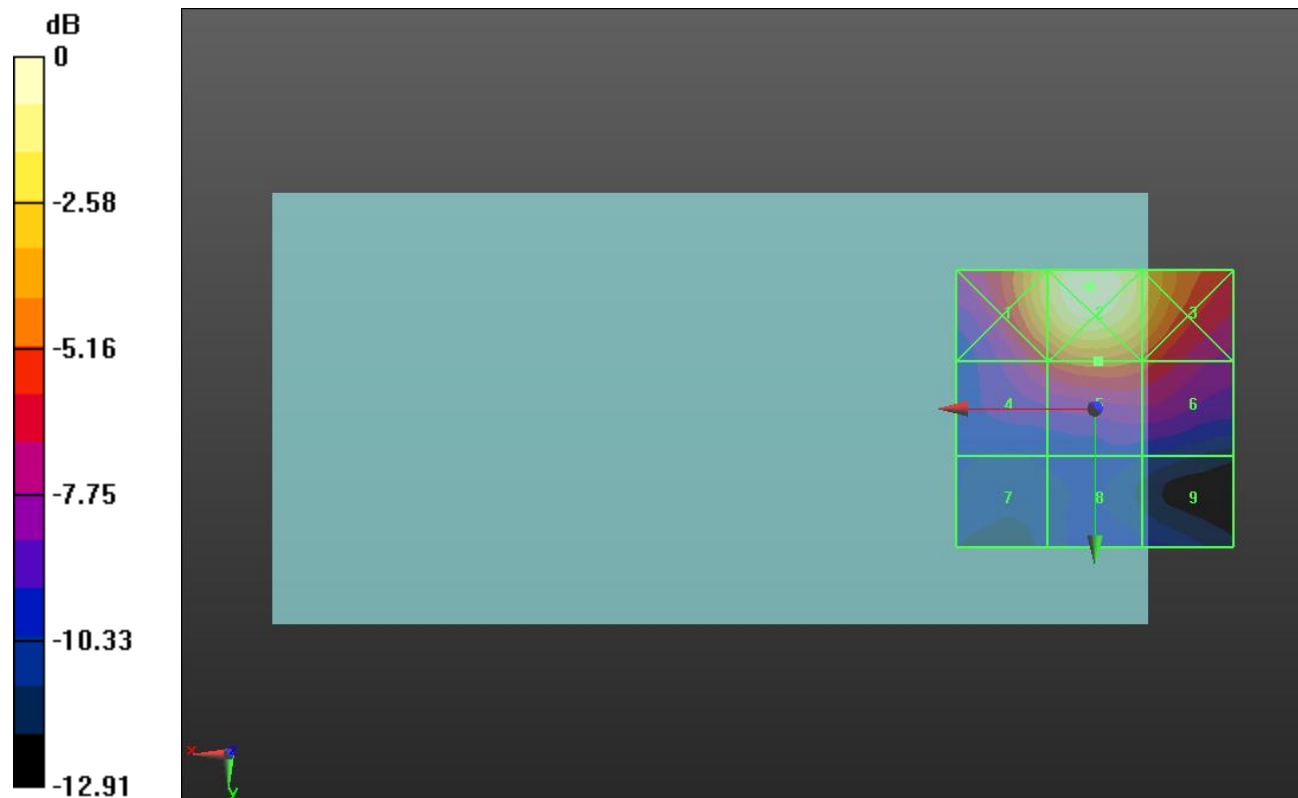
Applied MIF = -3.15 dB

RF audio interference level = 24.56 dBV/m

Emission category: **M4**

MIF scaled E-field

Grid 1 M4 27.31 dBV/m	Grid 2 M4 29.14 dBV/m	Grid 3 M4 27.05 dBV/m
Grid 4 M4 23.18 dBV/m	Grid 5 M4 24.56 dBV/m	Grid 6 M4 23.64 dBV/m
Grid 7 M4 19.09 dBV/m	Grid 8 M4 19.56 dBV/m	Grid 9 M4 19.37 dBV/m



0 dB = 28.64 V/m = 29.14 dBV/m

HAC-RF Emission LAT

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

Phantom section: RF Section

DASY5 Configuration:

- Probe: EF3DV3 - SN4041 (5-6 GHz); ConvF(1, 1, 1); Calibrated: 3/14/2017;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1377; Calibrated: 9/14/2016
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

802.11a E-Field measurement/IEEE 802.11a_OFDM 54 Mbps_ch 144/Hearing Aid Compatibility Test (101x101x1): Interpolated grid: dx=0.5000 mm, dy=0.5000 mm

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 24.41 V/m; Power Drift = -0.96 dB

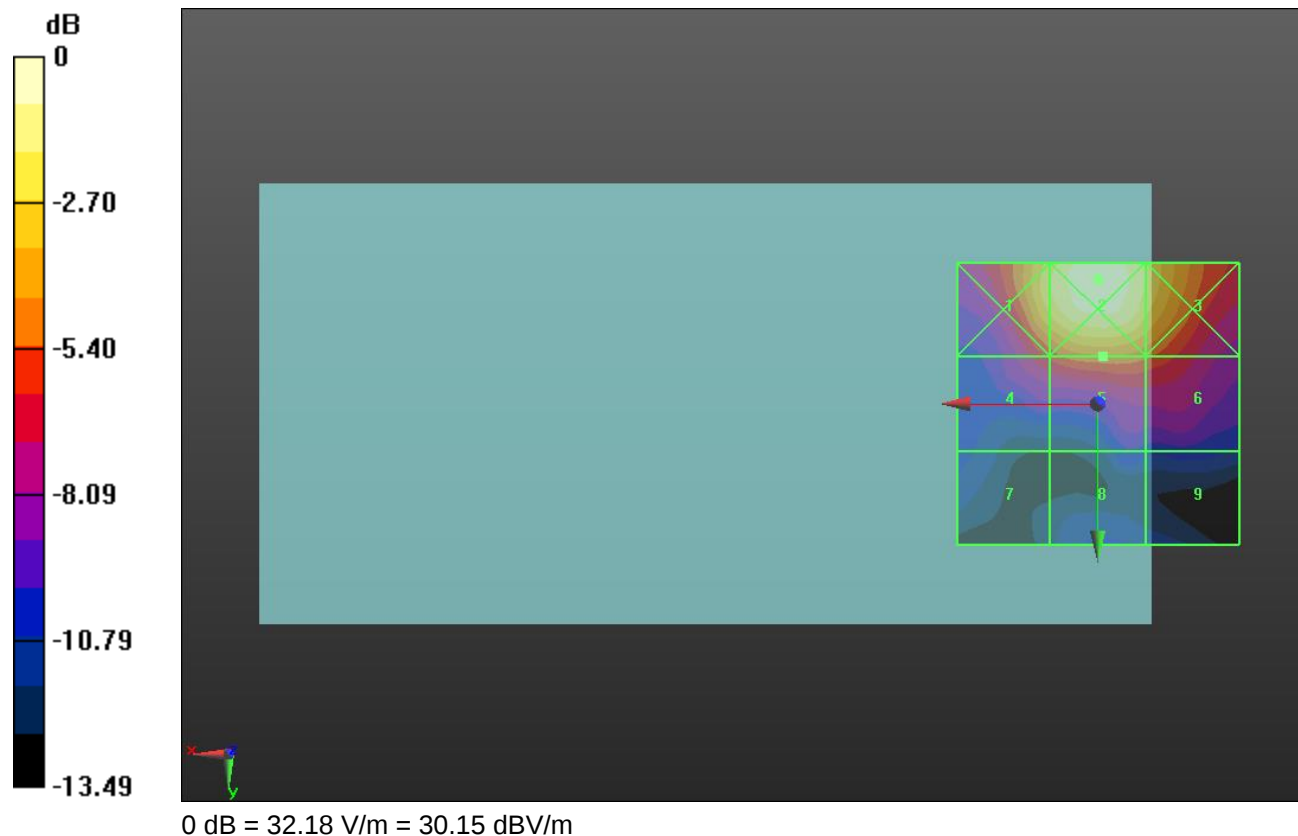
Applied MIF = -3.15 dB

RF audio interference level = 25.66 dBV/m

Emission category: **M4**

MIF scaled E-field

Grid 1 M4 28.29 dBV/m	Grid 2 M3 30.15 dBV/m	Grid 3 M4 28.38 dBV/m
Grid 4 M4 24.2 dBV/m	Grid 5 M4 25.66 dBV/m	Grid 6 M4 25.01 dBV/m
Grid 7 M4 19.77 dBV/m	Grid 8 M4 20.19 dBV/m	Grid 9 M4 19.91 dBV/m



HAC-RF Emission LAT

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

Phantom section: RF Section

DASY5 Configuration:

- Probe: EF3DV3 - SN4041 (5-6 GHz); ConvF(1, 1, 1); Calibrated: 3/14/2017;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1377; Calibrated: 9/14/2016
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

802.11a E-Field measurement/IEEE 802.11a_OFDM 54 Mbps_ch 153/Hearing Aid Compatibility Test (101x101x1):

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

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 22.87 V/m; Power Drift = -0.15 dB

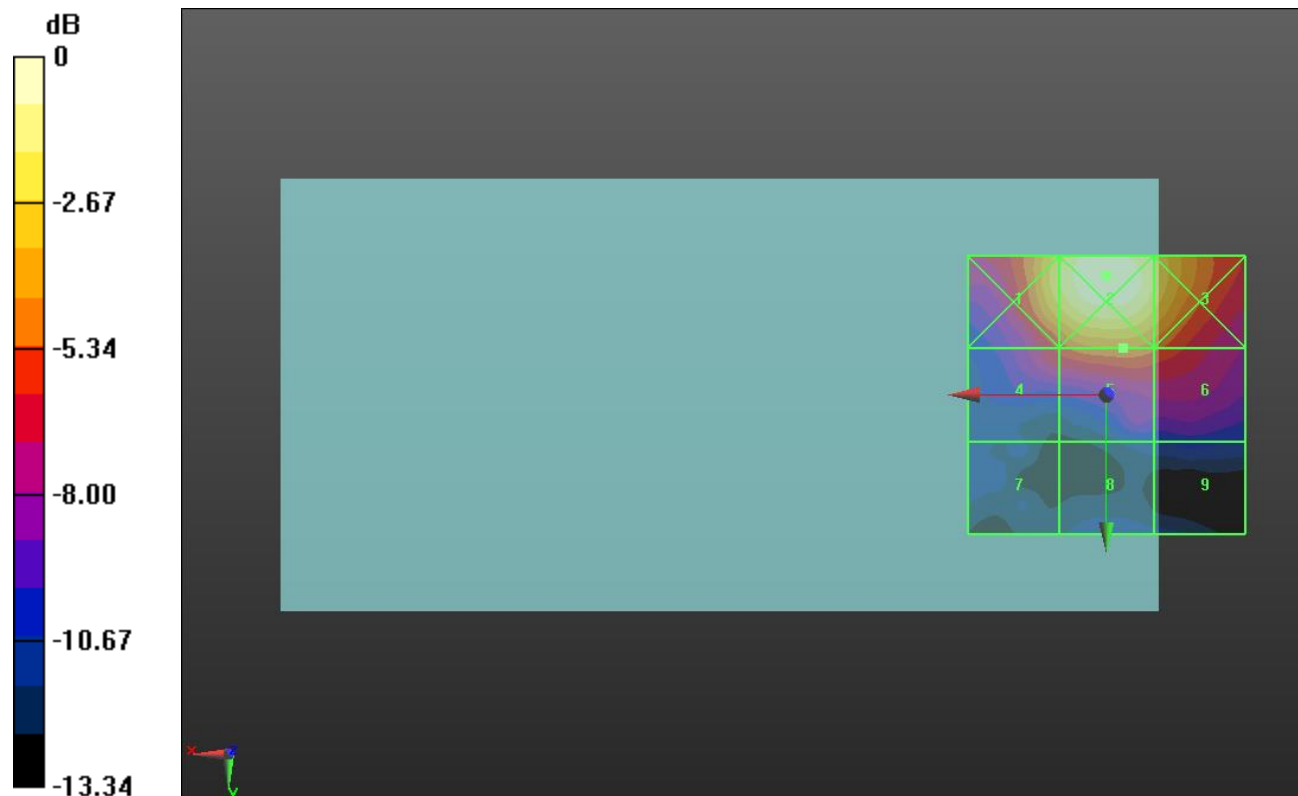
Applied MIF = -3.15 dB

RF audio interference level = 25.87 dBV/m

Emission category: **M4**

MIF scaled E-field

Grid 1 M4 28.44 dBV/m	Grid 2 M3 30.24 dBV/m	Grid 3 M4 28.55 dBV/m
Grid 4 M4 24.39 dBV/m	Grid 5 M4 25.87 dBV/m	Grid 6 M4 25.19 dBV/m
Grid 7 M4 19.43 dBV/m	Grid 8 M4 19.54 dBV/m	Grid 9 M4 20.04 dBV/m



0 dB = 32.49 V/m = 30.23 dBV/m

HAC-RF Emission LAT

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

Phantom section: RF Section

DASY5 Configuration:

- Probe: EF3DV3 - SN4041 (5-6 GHz); ConvF(1, 1, 1); Calibrated: 3/14/2017;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1377; Calibrated: 9/14/2016
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

802.11a E-Field measurement/IEEE 802.11a_OFDM 54 Mbps_ch 157/Hearing Aid Compatibility Test (101x101x1): Interpolated grid: dx=0.5000 mm, dy=0.5000 mm

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 24.23 V/m; Power Drift = 0.05 dB

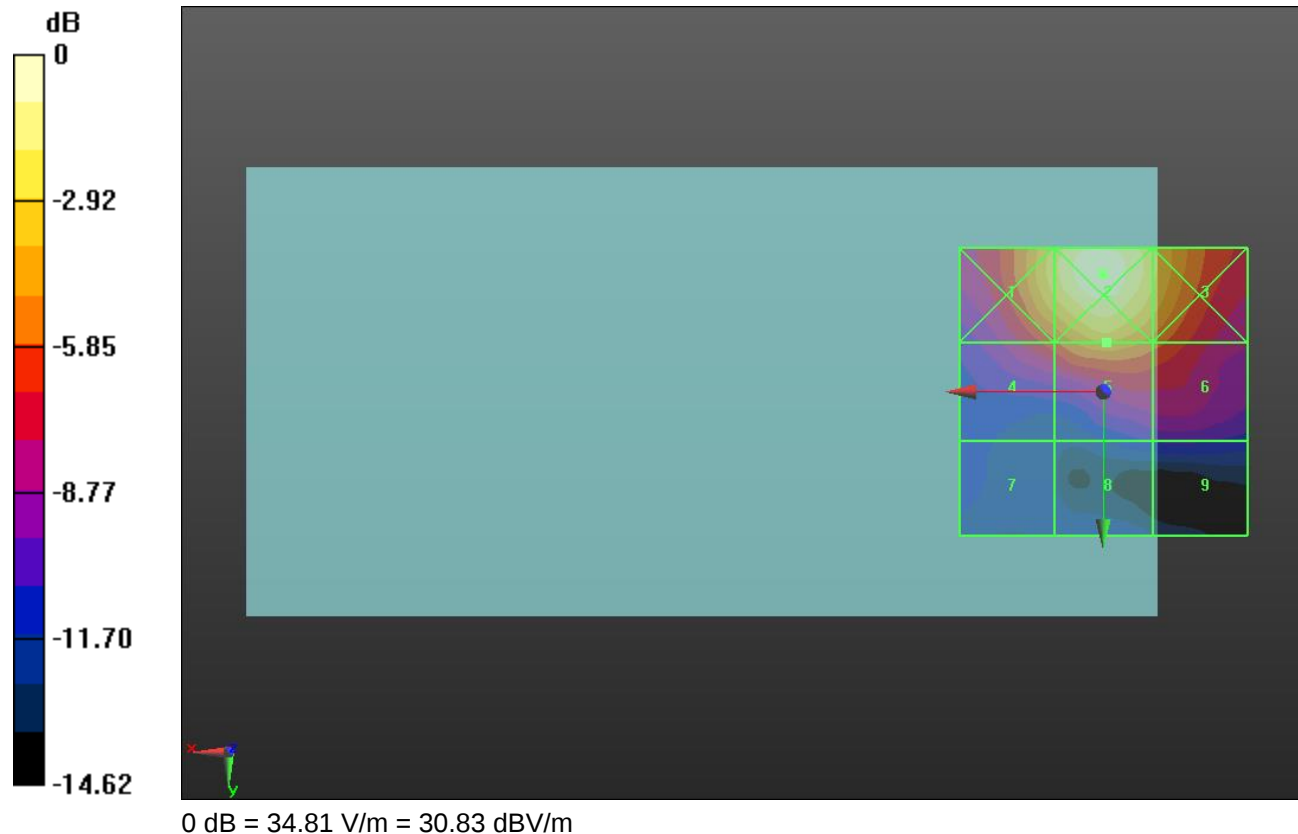
Applied MIF = -3.15 dB

RF audio interference level = 26.94 dBV/m

Emission category: **M4**

MIF scaled E-field

Grid 1 M4 28.59 dBV/m	Grid 2 M3 30.83 dBV/m	Grid 3 M4 28.27 dBV/m
Grid 4 M4 24.75 dBV/m	Grid 5 M4 26.94 dBV/m	Grid 6 M4 25.51 dBV/m
Grid 7 M4 19.67 dBV/m	Grid 8 M4 20.18 dBV/m	Grid 9 M4 20.36 dBV/m



HAC-RF Emission LAT

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

Phantom section: RF Section

DASY5 Configuration:

- Probe: EF3DV3 - SN4041 (5-6 GHz); ConvF(1, 1, 1); Calibrated: 3/14/2017;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1377; Calibrated: 9/14/2016
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

802.11a E-Field measurement/IEEE 802.11a_OFDM 54 Mbps_ch 161/Hearing Aid Compatibility Test (101x101x1): Interpolated grid: dx=0.5000 mm, dy=0.5000 mm

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 24.15 V/m; Power Drift = 0.25 dB

Applied MIF = -3.15 dB

RF audio interference level = 26.91 dBV/m

Emission category: **M4**

MIF scaled E-field

Grid 1 M4 28.64 dBV/m	Grid 2 M3 31.06 dBV/m	Grid 3 M4 28.97 dBV/m
Grid 4 M4 24.94 dBV/m	Grid 5 M4 26.91 dBV/m	Grid 6 M4 25.95 dBV/m
Grid 7 M4 19.8 dBV/m	Grid 8 M4 20.75 dBV/m	Grid 9 M4 20.94 dBV/m

