

HAC-RFE CDMA BC0

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

Phantom section: RF Section

DASY5 Configuration:

- Probe: ER3DV6 - SN2540; ConvF(1, 1, 1); Calibrated: 8/26/2014;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1259; Calibrated: 1/14/2015
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.8 (7);SEMCAD X Version 14.6.10 (7164)

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

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

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 35.05 V/m; Power Drift = 0.13 dB

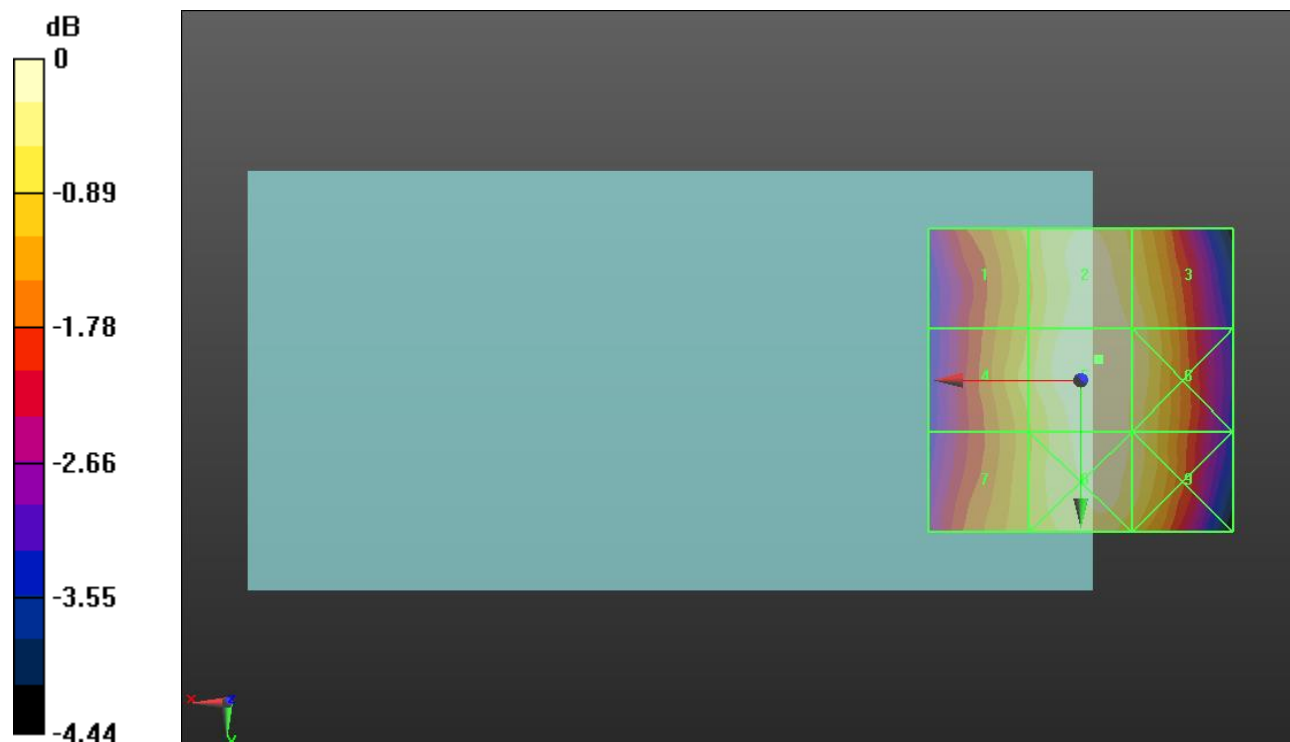
Applied MIF = 3.26 dB

RF audio interference level = 31.94 dBV/m

Emission category: **M4**

MIF scaled E-field

Grid 1 M4 31.19 dBV/m	Grid 2 M4 31.87 dBV/m	Grid 3 M4 31.62 dBV/m
Grid 4 M4 31.27 dBV/m	Grid 5 M4 31.94 dBV/m	Grid 6 M4 31.7 dBV/m
Grid 7 M4 31.07 dBV/m	Grid 8 M4 31.88 dBV/m	Grid 9 M4 31.61 dBV/m



0 dB = 39.55 V/m = 31.94 dBV/m

HAC-RFE CDMA BC0

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

Phantom section: RF Section

DASY5 Configuration:

- Probe: ER3DV6 - SN2540; ConvF(1, 1, 1); Calibrated: 8/26/2014;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1259; Calibrated: 1/14/2015
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.8 (7);SEMCAD X Version 14.6.10 (7164)

CDMA BC0 E-Field measurement/RC1_SO3_Ch 384/Hearing Aid Compatibility Test

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

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 30.49 V/m; Power Drift = -0.13 dB

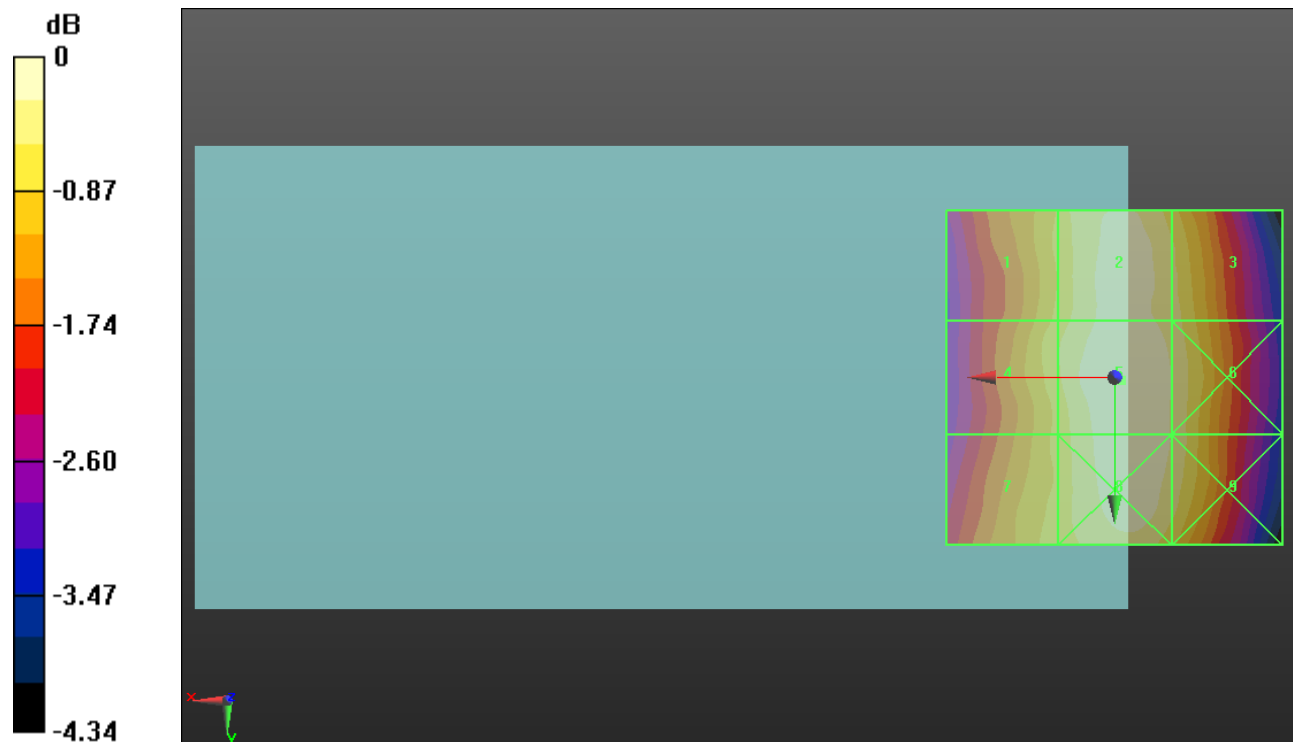
Applied MIF = 3.26 dB

RF audio interference level = 30.84 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 30.09 dBV/m	Grid 2 M4 30.72 dBV/m	Grid 3 M4 30.41 dBV/m
Grid 4 M4 30.25 dBV/m	Grid 5 M4 30.84 dBV/m	Grid 6 M4 30.55 dBV/m
Grid 7 M4 30.14 dBV/m	Grid 8 M4 30.8 dBV/m	Grid 9 M4 30.54 dBV/m



0 dB = 34.84 V/m = 30.84 dBV/m

HAC-RFE CDMA BC0

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

Phantom section: RF Section

DASY5 Configuration:

- Probe: ER3DV6 - SN2540; ConvF(1, 1, 1); Calibrated: 8/26/2014;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1259; Calibrated: 1/14/2015
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.8 (7);SEMCAD X Version 14.6.10 (7164)

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

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

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 28.09 V/m; Power Drift = 0.07 dB

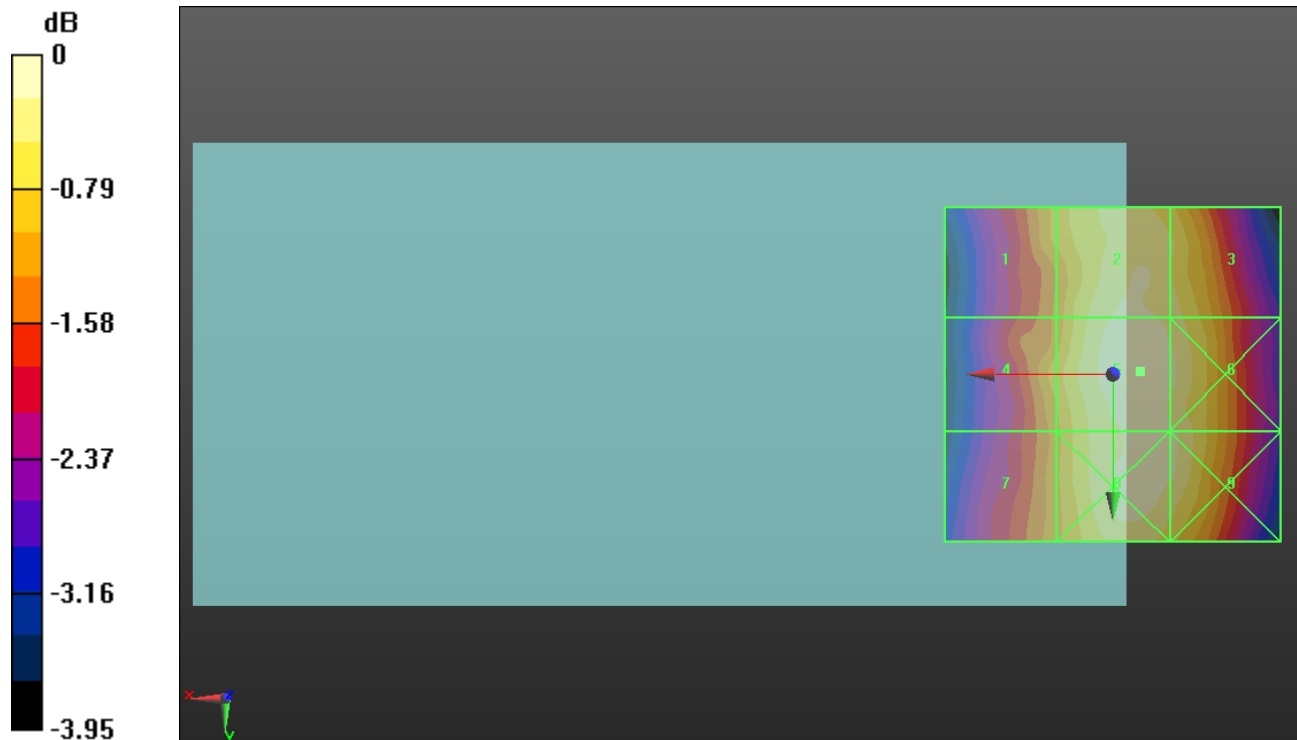
Applied MIF = 3.26 dB

RF audio interference level = 30.32 dBV/m

Emission category: **M4**

MIF scaled E-field

Grid 1 M4 29.37 dBV/m	Grid 2 M4 30.14 dBV/m	Grid 3 M4 29.96 dBV/m
Grid 4 M4 29.41 dBV/m	Grid 5 M4 30.32 dBV/m	Grid 6 M4 30.13 dBV/m
Grid 7 M4 29.21 dBV/m	Grid 8 M4 30.25 dBV/m	Grid 9 M4 30.14 dBV/m



0 dB = 32.80 V/m = 30.32 dBV/m

HAC-RFE CDMA BC1

Communication System: UID 10295 - AAA, 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 - SN2540; ConvF(1, 1, 1); Calibrated: 8/26/2014;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1259; Calibrated: 1/14/2015
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.8 (7);SEMCAD X Version 14.6.10 (7164)

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

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

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 12.16 V/m; Power Drift = -1.15 dB

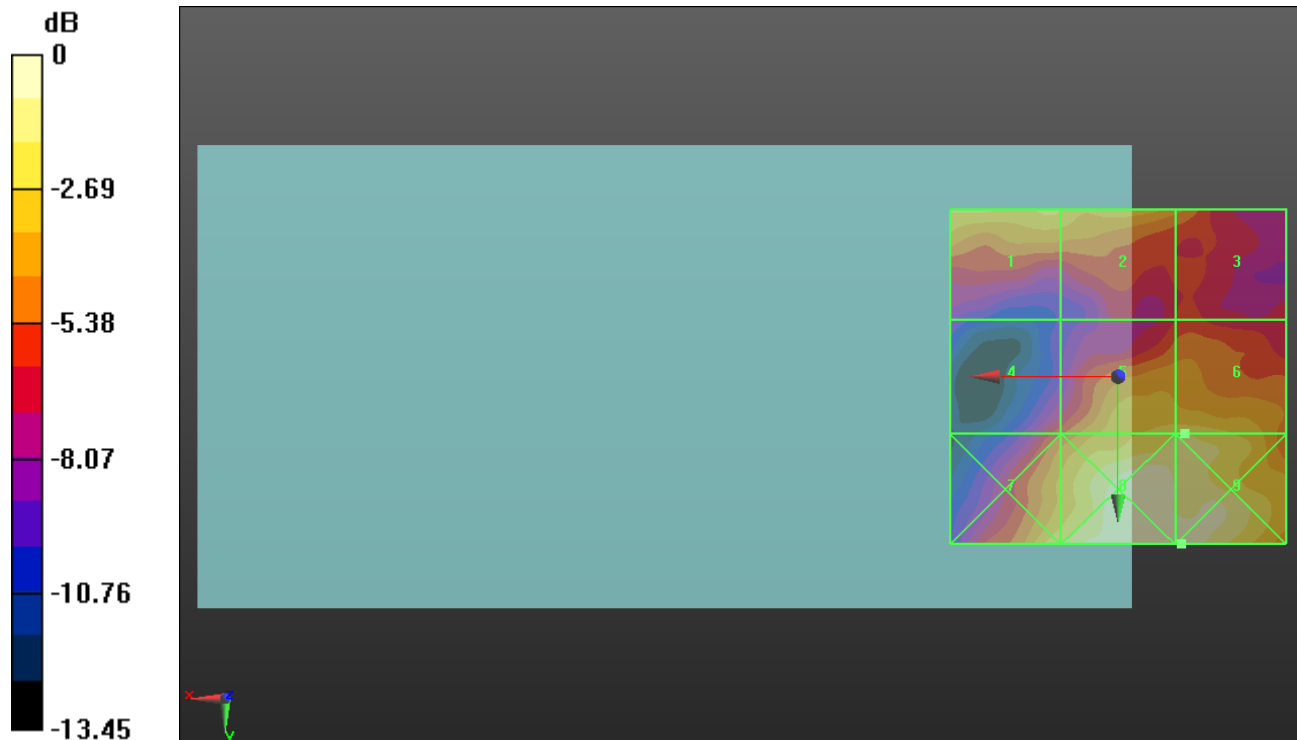
Applied MIF = 3.26 dB

RF audio interference level = 25.48 dBV/m

Emission category: **M4**

MIF scaled E-field

Grid 1 M4 24.99 dBV/m	Grid 2 M4 24.79 dBV/m	Grid 3 M4 23.4 dBV/m
Grid 4 M4 21.84 dBV/m	Grid 5 M4 25.34 dBV/m	Grid 6 M4 25.48 dBV/m
Grid 7 M4 25.74 dBV/m	Grid 8 M4 27.31 dBV/m	Grid 9 M4 27.35 dBV/m



0 dB = 23.30 V/m = 27.35 dBV/m

HAC-RFE CDMA BC1

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

Phantom section: RF Section

DASY5 Configuration:

- Probe: ER3DV6 - SN2540; ConvF(1, 1, 1); Calibrated: 8/26/2014;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1259; Calibrated: 1/14/2015
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.8 (7);SEMCAD X Version 14.6.10 (7164)

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

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

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 11.59 V/m; Power Drift = 0.84 dB

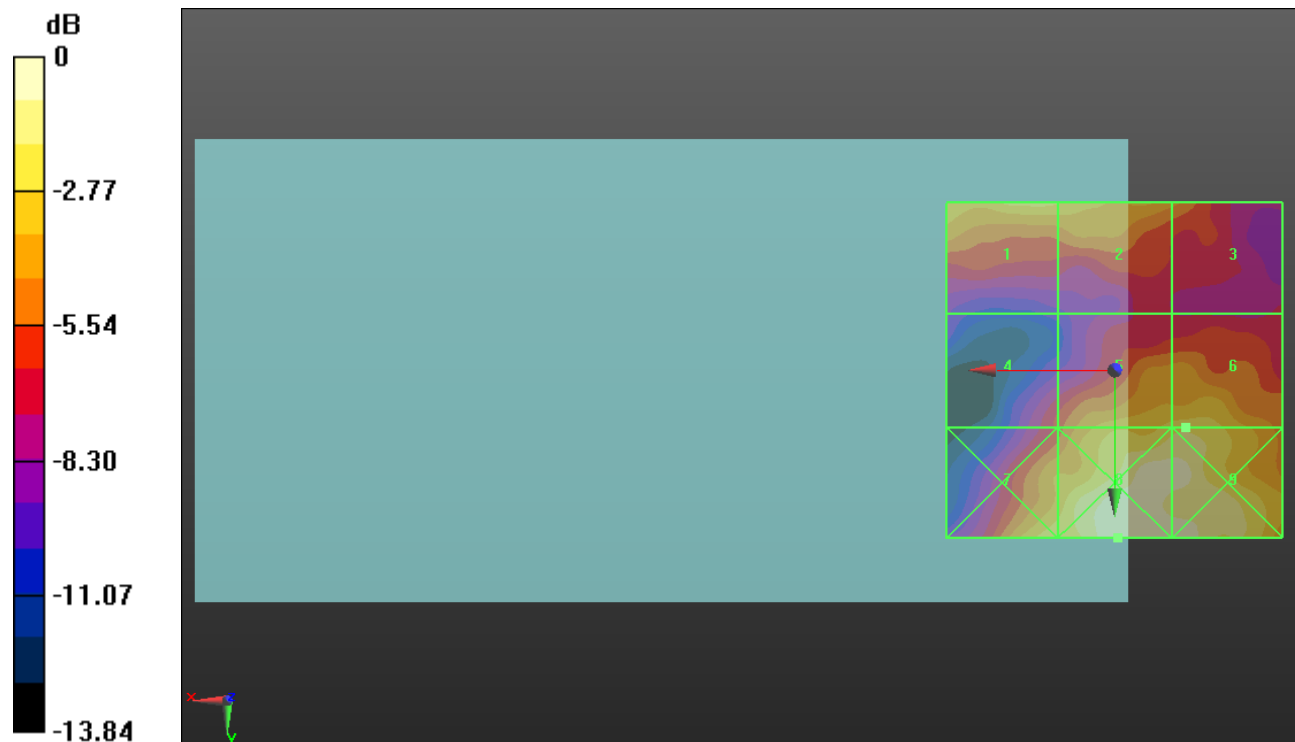
Applied MIF = 3.26 dB

RF audio interference level = 26.00 dBV/m

Emission category: **M4**

MIF scaled E-field

Grid 1 M4 25.8 dBV/m	Grid 2 M4 25.49 dBV/m	Grid 3 M4 23.91 dBV/m
Grid 4 M4 22.12 dBV/m	Grid 5 M4 25.79 dBV/m	Grid 6 M4 26 dBV/m
Grid 7 M4 26.27 dBV/m	Grid 8 M4 28.12 dBV/m	Grid 9 M4 28.05 dBV/m



0 dB = 25.46 V/m = 28.12 dBV/m

HAC-RFE CDMA BC1

Communication System: UID 10295 - AAA, 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 - SN2540; ConvF(1, 1, 1); Calibrated: 8/26/2014;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1259; Calibrated: 1/14/2015
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.8 (7);SEMCAD X Version 14.6.10 (7164)

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

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

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 10.63 V/m; Power Drift = 1.20 dB

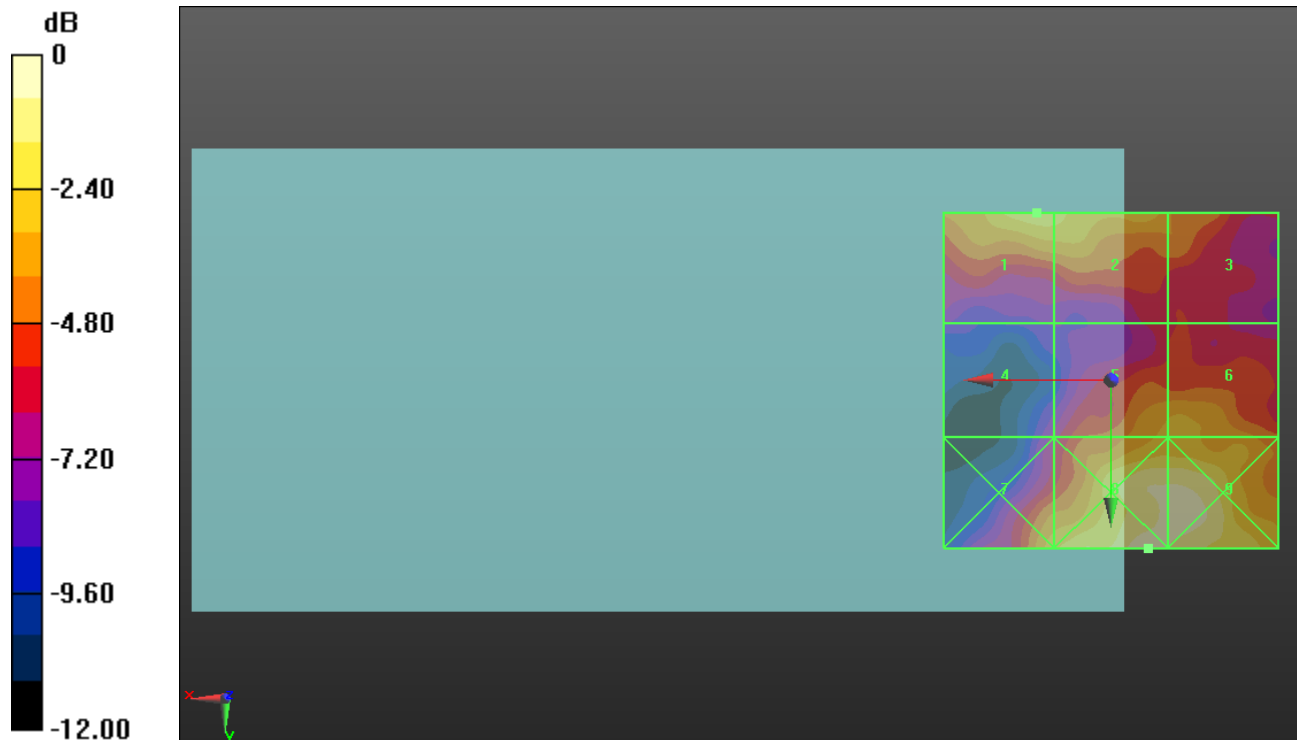
Applied MIF = 3.26 dB

RF audio interference level = 26.52 dBV/m

Emission category: **M4**

MIF scaled E-field

Grid 1 M4 26.52 dBV/m	Grid 2 M4 26.38 dBV/m	Grid 3 M4 24.49 dBV/m
Grid 4 M4 21.51 dBV/m	Grid 5 M4 25.28 dBV/m	Grid 6 M4 25.34 dBV/m
Grid 7 M4 25.72 dBV/m	Grid 8 M4 28.31 dBV/m	Grid 9 M4 27.92 dBV/m



0 dB = 26.03 V/m = 28.31 dBV/m

HAC-RFE CDMA BC10

Communication System: UID 10295 - AAB, CDMA2000, RC1, SO3, 1/8th Rate 25 fr.; Frequency: 817.9 MHz; Duty Cycle: 1:17.7419

Phantom section: RF Section

DASY5 Configuration:

- Probe: ER3DV6 - SN2540; ConvF(1, 1, 1); Calibrated: 8/26/2014;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1259; Calibrated: 1/14/2015
- 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 = 29.21 V/m; Power Drift = -23.49 dB

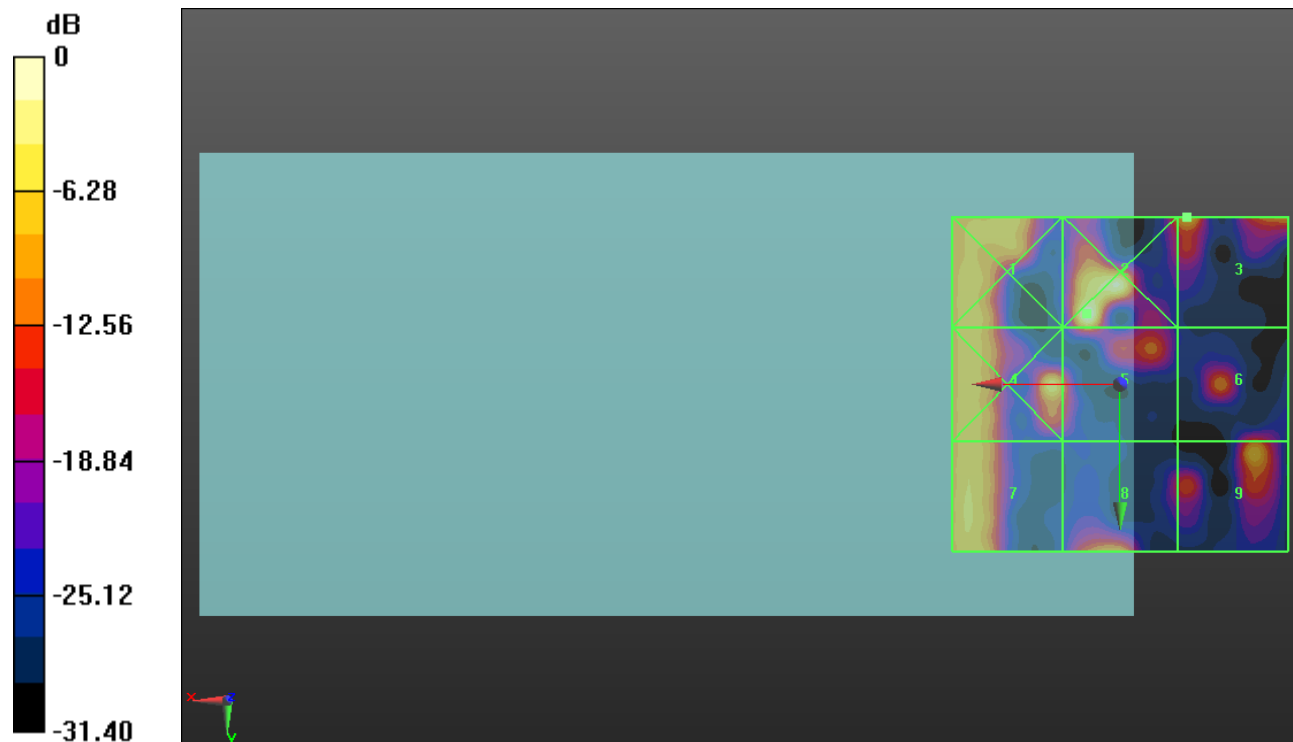
Applied MIF = 3.26 dB

RF audio interference level = 32.63 dBV/m

Emission category: **M4**

MIF scaled E-field

Grid 1 M4 30.8 dBV/m	Grid 2 M4 37.38 dBV/m	Grid 3 M4 32.63 dBV/m
Grid 4 M4 32.66 dBV/m	Grid 5 M4 27.87 dBV/m	Grid 6 M4 26.76 dBV/m
Grid 7 M4 31.41 dBV/m	Grid 8 M4 31.05 dBV/m	Grid 9 M4 31.2 dBV/m



0 dB = 74.00 V/m = 37.38 dBV/m

HAC-RFE CDMA BC10

Communication System: UID 10295 - AAB, CDMA2000, RC1, SO3, 1/8th Rate 25 fr.; Frequency: 820.5 MHz; Duty Cycle: 1:17.7419

Phantom section: RF Section

DASY5 Configuration:

- Probe: ER3DV6 - SN2540; ConvF(1, 1, 1); Calibrated: 8/26/2014;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1259; Calibrated: 1/14/2015
- 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 = 30.08 V/m; Power Drift = -0.45 dB

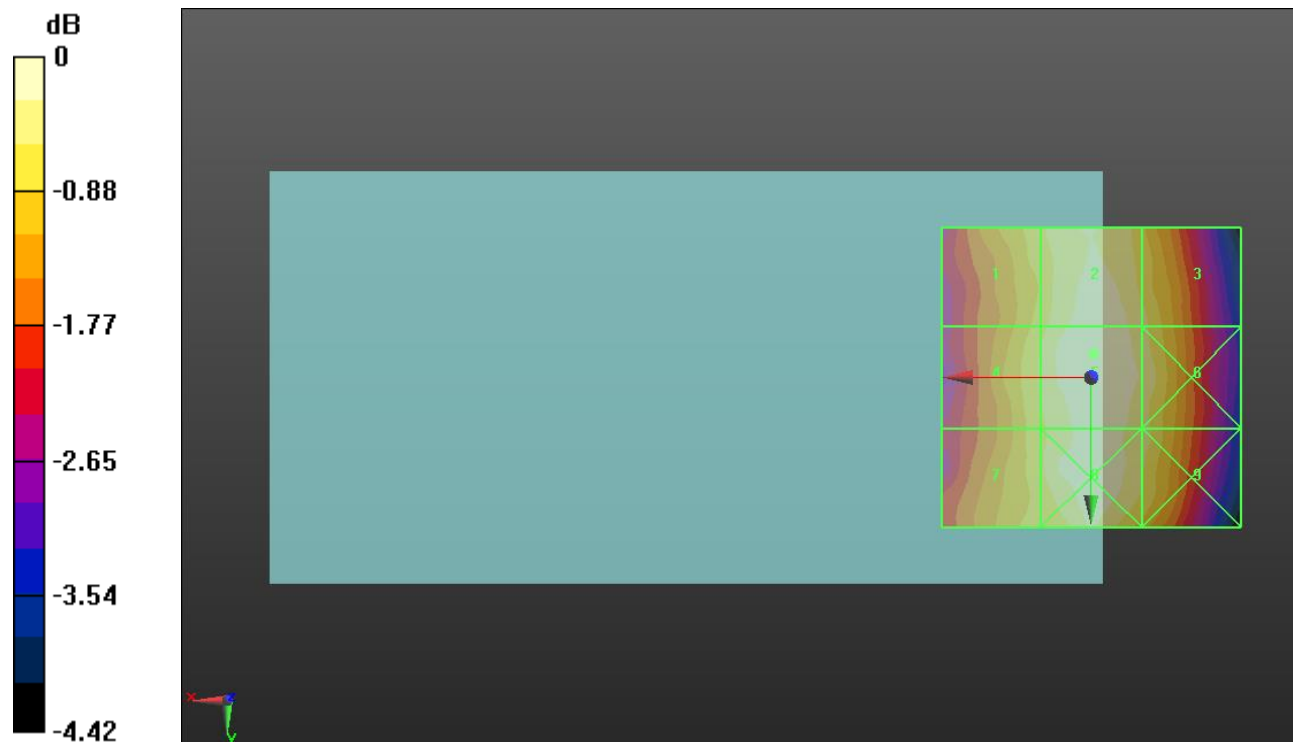
Applied MIF = 3.26 dB

RF audio interference level = 30.28 dBV/m

Emission category: **M4**

MIF scaled E-field

Grid 1 M4 29.62 dBV/m	Grid 2 M4 30.16 dBV/m	Grid 3 M4 29.81 dBV/m
Grid 4 M4 29.74 dBV/m	Grid 5 M4 30.28 dBV/m	Grid 6 M4 29.96 dBV/m
Grid 7 M4 29.63 dBV/m	Grid 8 M4 30.23 dBV/m	Grid 9 M4 29.85 dBV/m



0 dB = 32.67 V/m = 30.28 dBV/m

HAC-RFE CDMA BC10

Communication System: UID 10295 - AAB, CDMA2000, RC1, SO3, 1/8th Rate 25 fr.; Frequency: 823.1 MHz; Duty Cycle: 1:17.7419

Phantom section: RF Section

DASY5 Configuration:

- Probe: ER3DV6 - SN2540; ConvF(1, 1, 1); Calibrated: 8/26/2014;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1259; Calibrated: 1/14/2015
- 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 684/Hearing Aid Compatibility Test (101x101x1):

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

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 1.898 V/m; Power Drift = 0.16 dB

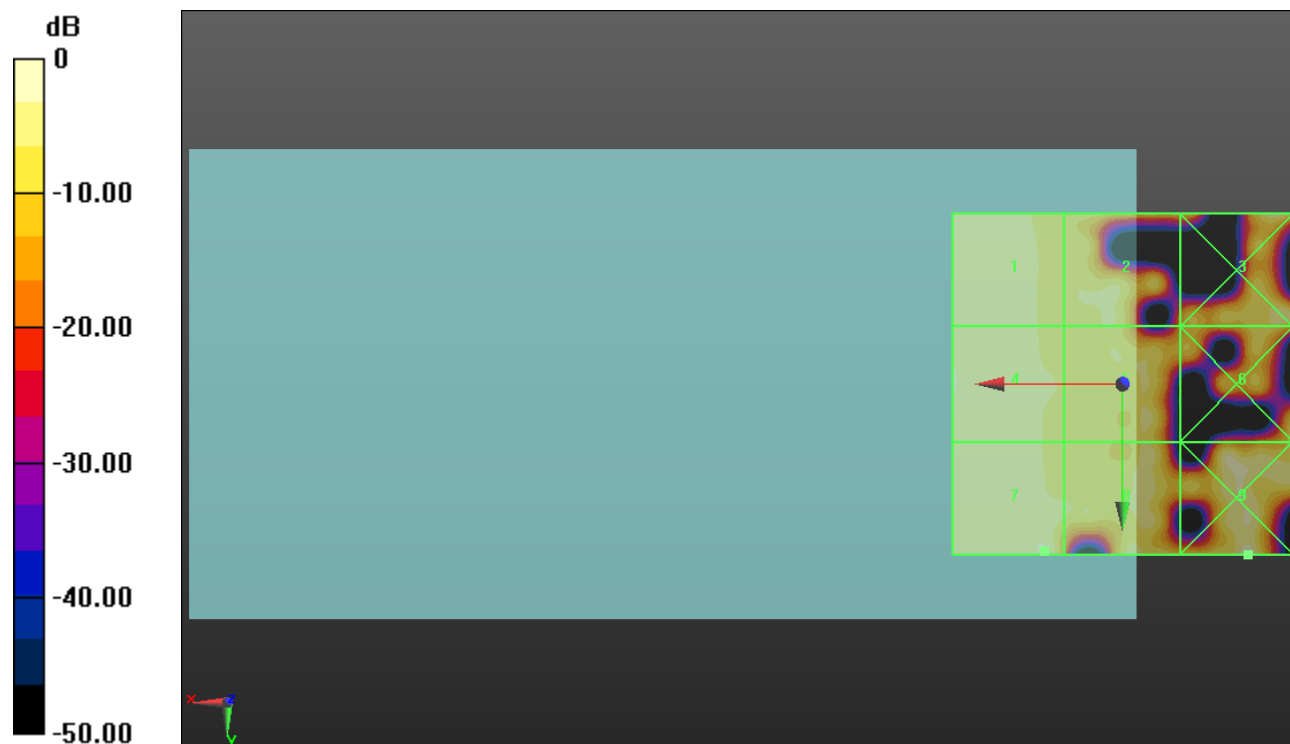
Applied MIF = 3.26 dB

RF audio interference level = 12.82 dBV/m

Emission category: **M4**

MIF scaled E-field

Grid 1 M4 11.8 dBV/m	Grid 2 M4 10.26 dBV/m	Grid 3 M4 13.38 dBV/m
Grid 4 M4 12.3 dBV/m	Grid 5 M4 10.29 dBV/m	Grid 6 M4 11.09 dBV/m
Grid 7 M4 12.82 dBV/m	Grid 8 M4 10.71 dBV/m	Grid 9 M4 15.5 dBV/m



0 dB = 5.956 V/m = 15.50 dBV/m

HAC-RF Emission

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

Phantom section: RF Section

DASY5 Configuration:

- Probe: ER3DV6 - SN2540; ConvF(1, 1, 1); Calibrated: 8/26/2014;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1259; Calibrated: 1/14/2015
- 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)

LTE-TDD Band 41 E-Field measurement/1 RB_ 20MHz_ 16 QAM_ 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 = 8.971 V/m; Power Drift = 0.59 dB

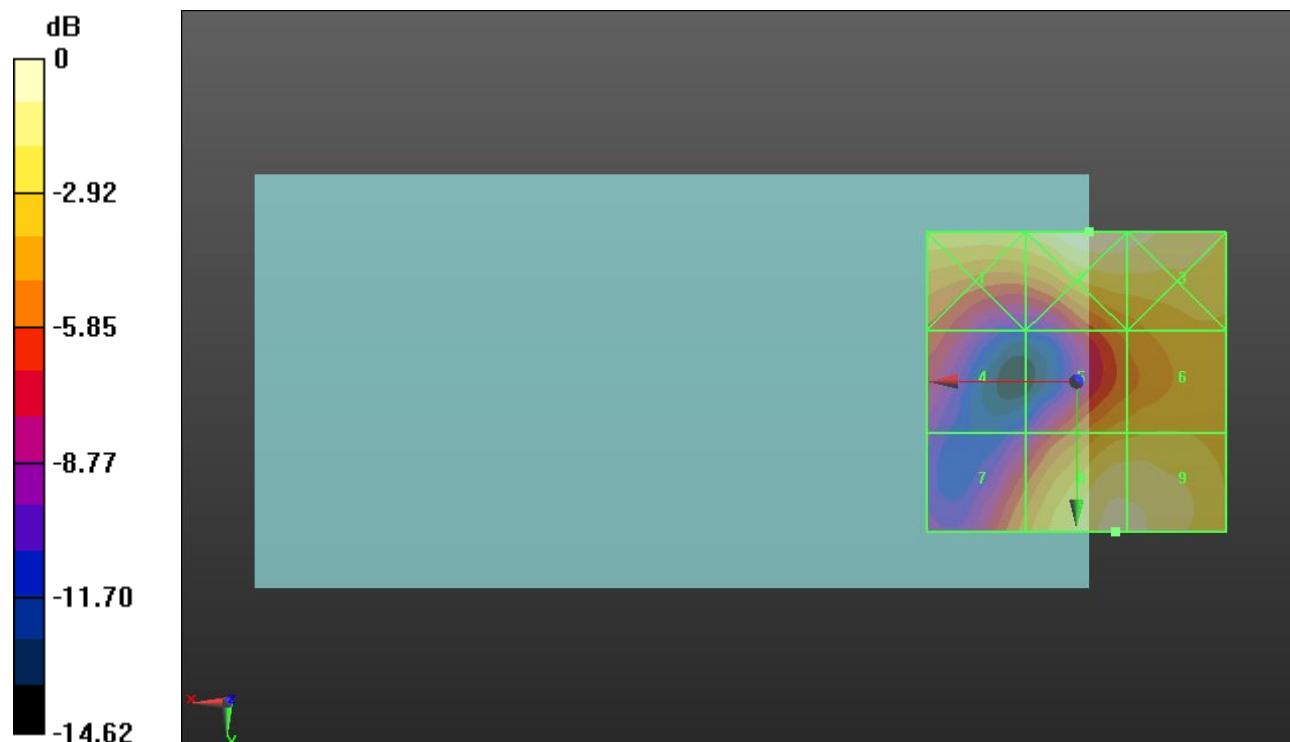
Applied MIF = -1.44 dB

RF audio interference level = 23.75 dBV/m

Emission category: **M4**

MIF scaled E-field

Grid 1 M4 22.71 dBV/m	Grid 2 M4 24.44 dBV/m	Grid 3 M4 24.03 dBV/m
Grid 4 M4 18.47 dBV/m	Grid 5 M4 21.26 dBV/m	Grid 6 M4 21.61 dBV/m
Grid 7 M4 20.18 dBV/m	Grid 8 M4 23.75 dBV/m	Grid 9 M4 23.68 dBV/m



0 dB = 16.68 V/m = 24.44 dBV/m

HAC-RF Emission

Frequency: 2549.5 MHz; Duty Cycle: 1:8.87156; Room Ambient Temperature: 24.0°C; Liquid Temperature: 23.0°C
 Medium parameters used: $\sigma = 0 \text{ S/m}$, $\epsilon_r = 1$; $\rho = 0 \text{ kg/m}^3$

DASY5 Configuration:

- Area Scan Setting: Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.0012W/kg
- Electronics: DAE4 Sn1259; Calibrated: 1/14/2015
- Probe: ER3DV6 - SN2540; ConvF(1, 1, 1); Calibrated: 8/26/2014;
- Sensor-Surface: (Fix Surface)
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB; Serial: 1155

LTE-TDD Band 41 E-Field measurement/1 RB_ 20MHz_ 16 QAM_ 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 = 7.186 V/m; Power Drift = -0.14 dB

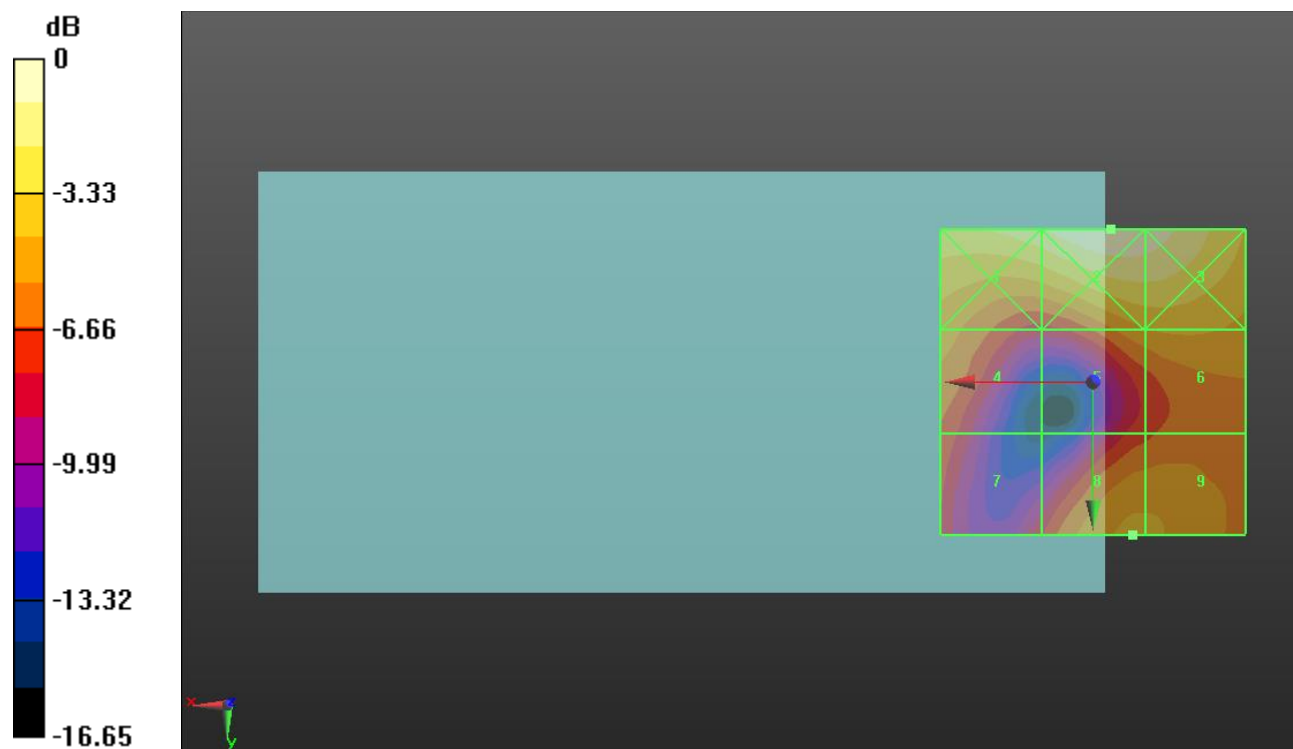
Applied MIF = -1.44 dB

RF audio interference level = 20.96 dBV/m

Emission category: **M4**

MIF scaled E-field

Grid 1 M4 23.96 dBV/m	Grid 2 M4 25.18 dBV/m	Grid 3 M4 24.82 dBV/m
Grid 4 M4 20.21 dBV/m	Grid 5 M4 20.6 dBV/m	Grid 6 M4 20.92 dBV/m
Grid 7 M4 18.31 dBV/m	Grid 8 M4 20.96 dBV/m	Grid 9 M4 20.92 dBV/m



0 dB = 18.15 V/m = 25.18 dBV/m

HAC-RF Emission

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

Phantom section: RF Section

DASY5 Configuration:

- Probe: ER3DV6 - SN2540; ConvF(1, 1, 1); Calibrated: 8/26/2014;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1259; Calibrated: 1/14/2015
- 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)

LTE-TDD Band 41 E-Field measurement/1 RB_ 20MHz_ 16 QAM_ 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 = 7.849 V/m; Power Drift = 0.32 dB

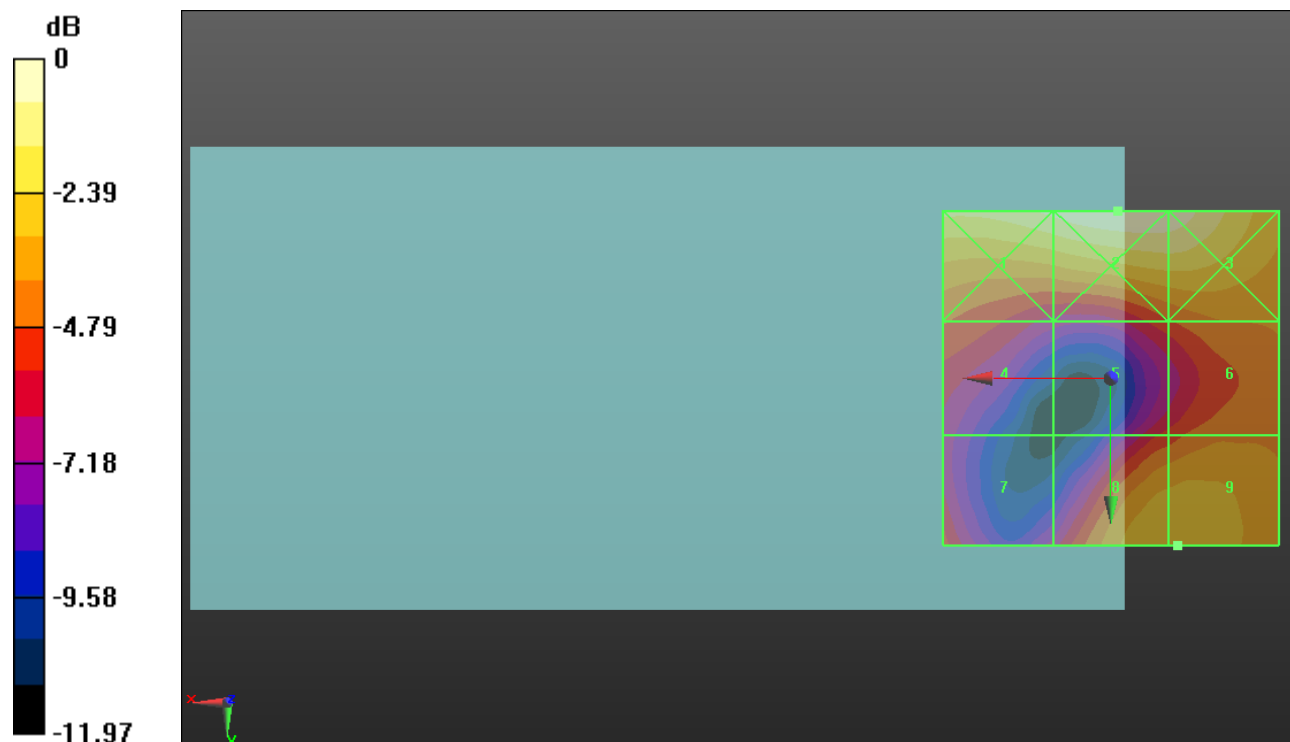
Applied MIF = -1.44 dB

RF audio interference level = 22.84 dBV/m

Emission category: **M4**

MIF scaled E-field

Grid 1 M4 24.75 dBV/m	Grid 2 M4 25.27 dBV/m	Grid 3 M4 25.06 dBV/m
Grid 4 M4 20.58 dBV/m	Grid 5 M4 20.38 dBV/m	Grid 6 M4 21.39 dBV/m
Grid 7 M4 20.23 dBV/m	Grid 8 M4 22.82 dBV/m	Grid 9 M4 22.84 dBV/m



0 dB = 18.35 V/m = 25.27 dBV/m

HAC-RF Emission

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

Phantom section: RF Section

DASY5 Configuration:

- Probe: ER3DV6 - SN2540; ConvF(1, 1, 1); Calibrated: 8/26/2014;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1259; Calibrated: 1/14/2015
- 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)

LTE-TDD Band 41 E-Field measurement/1 RB_ 20MHz_ 16 QAM_ 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 = 7.886 V/m; Power Drift = 0.07 dB

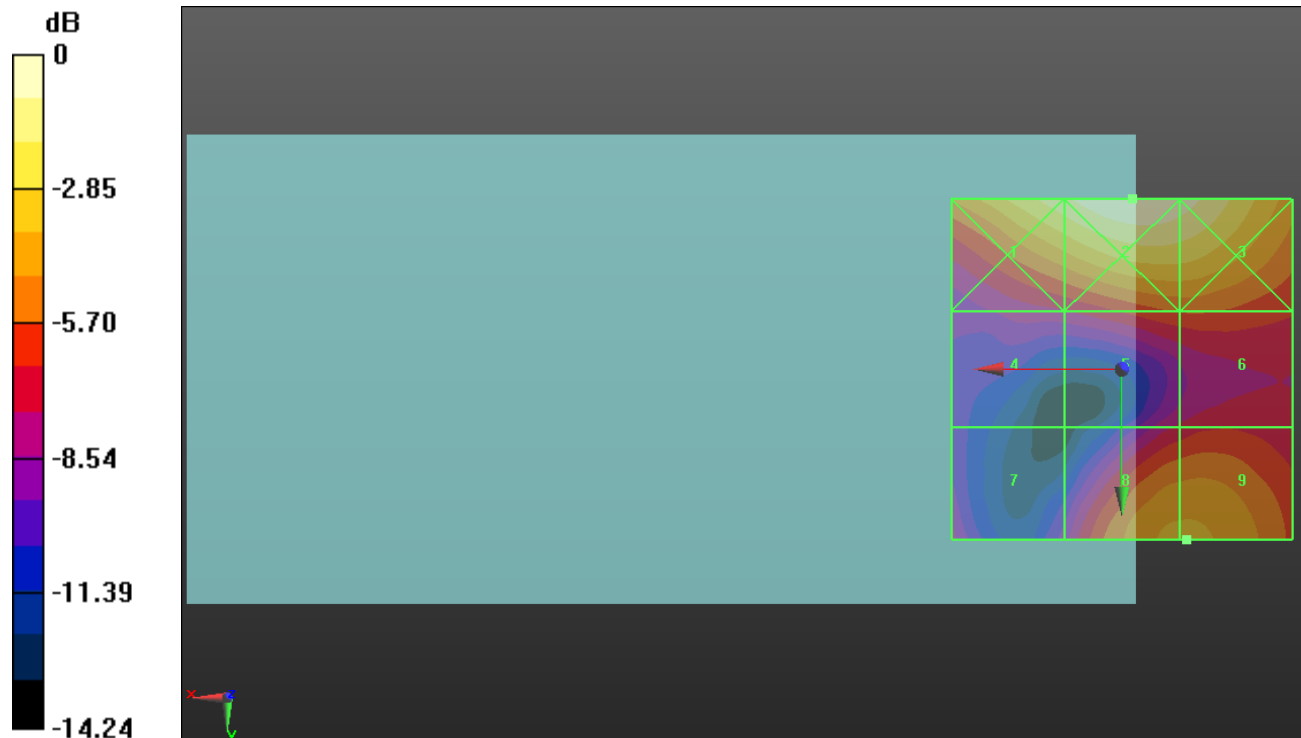
Applied MIF = -1.44 dB

RF audio interference level = 21.56 dBV/m

Emission category: **M4**

MIF scaled E-field

Grid 1 M4 24 dBV/m	Grid 2 M4 25.17 dBV/m	Grid 3 M4 24.69 dBV/m
Grid 4 M4 17.5 dBV/m	Grid 5 M4 19.54 dBV/m	Grid 6 M4 19.61 dBV/m
Grid 7 M4 17.29 dBV/m	Grid 8 M4 21.55 dBV/m	Grid 9 M4 21.56 dBV/m



0 dB = 18.13 V/m = 25.17 dBV/m

HAC-RF Emission

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

Phantom section: RF Section

DASY5 Configuration:

- Probe: ER3DV6 - SN2540; ConvF(1, 1, 1); Calibrated: 8/26/2014;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1259; Calibrated: 1/14/2015
- 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)

LTE-TDD Band 41 E-Field measurement/1 RB_ 20MHz_ 16 QAM_ 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 = 7.249 V/m; Power Drift = 2.19 dB

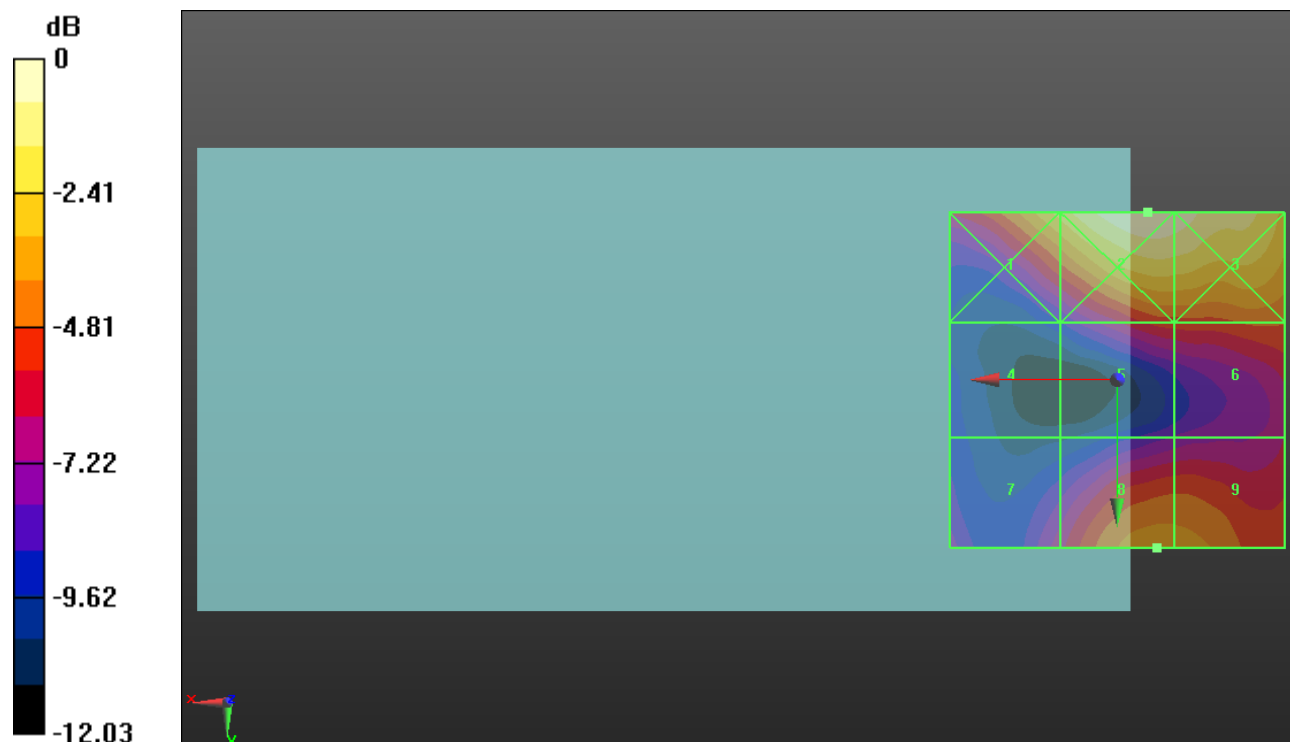
Applied MIF = -1.44 dB

RF audio interference level = 20.48 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 22.03 dBV/m	Grid 2 M4 24.06 dBV/m	Grid 3 M4 23.79 dBV/m
Grid 4 M4 15.2 dBV/m	Grid 5 M4 18.9 dBV/m	Grid 6 M4 19.43 dBV/m
Grid 7 M4 17.39 dBV/m	Grid 8 M4 20.48 dBV/m	Grid 9 M4 20.39 dBV/m



0 dB = 15.97 V/m = 24.07 dBV/m