Appendix B.　Plots of RF Emission Measurement

The plots are shown as follows.

SPORTON INTERNATIONAL (KUNSHAN) INC.
TEL : 86-0512-5790-0158
FAX : 86-0512-5790-0958
FCC ID : Q78-Z932L

Page Number　　　　　: B1 of B1
Report Issued Date　: Jun. 07, 2013
Report Version　　　　: Rev. 01

#01 HAC RF_CDMA2000 BC0_RC1 SO3_Voice_Eighth rate_Ch1013_E

DUT: 342701A

Communication System: CDMA2000 (1xRTT, RC1, 1/8 Rate); Frequency: 824.7 MHz;Duty Cycle: 1:19.8153

Medium: Air Medium parameters used: $\sigma = 0$ S/m, $\varepsilon_r = 1$; $\rho = 0$ kg/m^3

Ambient Temperature：23.2 ℃

DASY5 Configuration:
- Probe: ER3DV6 - SN2476; ConvF(1, 1, 1); Calibrated: 2012-12-12;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn679; Calibrated: 2013-1-16
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.8 (4); SEMCAD X Version 14.6.8 (7028)

Ch1013/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 = 34.04 V/m; Power Drift = 0.13 dB
Applied MIF = 0.74 dB
RF audio interference level = 28.93 dBV/m
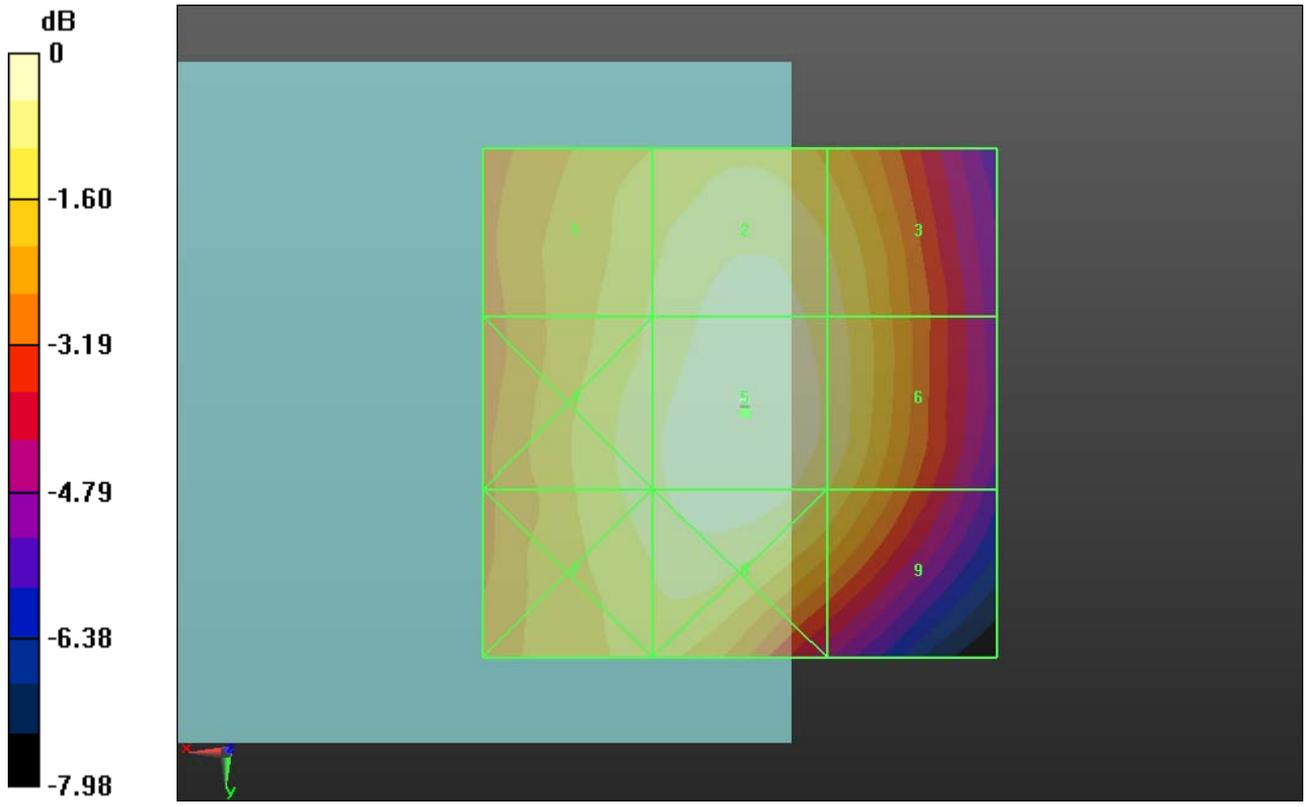**Emission category: M4**

MIF scaled E-field

Grid 1 **M4** **27.96 dBV/m**	Grid 2 **M4** **28.64 dBV/m**	Grid 3 **M4** **28.17 dBV/m**
Grid 4 **M4** **28.3 dBV/m**	Grid 5 **M4** **28.93 dBV/m**	Grid 6 **M4** **28.32 dBV/m**
Grid 7 **M4** **28.21 dBV/m**	Grid 8 **M4** **28.77 dBV/m**	Grid 9 **M4** **27.88 dBV/m**

Cursor:
Total = 28.93 dBV/m
E Category: M4
Location: -0.5, 1, 8.7 mm

0 dB = 27.97 V/m = 28.93 dBV/m

#02 HAC RF_CDMA2000 BC0_RC1 SO3_Voice_Eighth rate_Ch384_E

DUT: 342701A

Communication System: CDMA2000 (1xRTT, RC1, 1/8 Rate); Frequency: 836.52 MHz;Duty Cycle: 1:19.8153

Medium: Air Medium parameters used: $\sigma = 0$ S/m, $\varepsilon_r = 1$; $\rho = 0$ kg/m^3

Ambient Temperature：23.2 ℃

DASY5 Configuration:
- Probe: ER3DV6 - SN2476; ConvF(1, 1, 1); Calibrated: 2012-12-12;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn679; Calibrated: 2013-1-16
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.8 (4); SEMCAD X Version 14.6.8 (7028)

Ch384/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 = 32.15 V/m; Power Drift = -0.07 dB

Applied MIF = 0.74 dB

RF audio interference level = 28.55 dBV/m
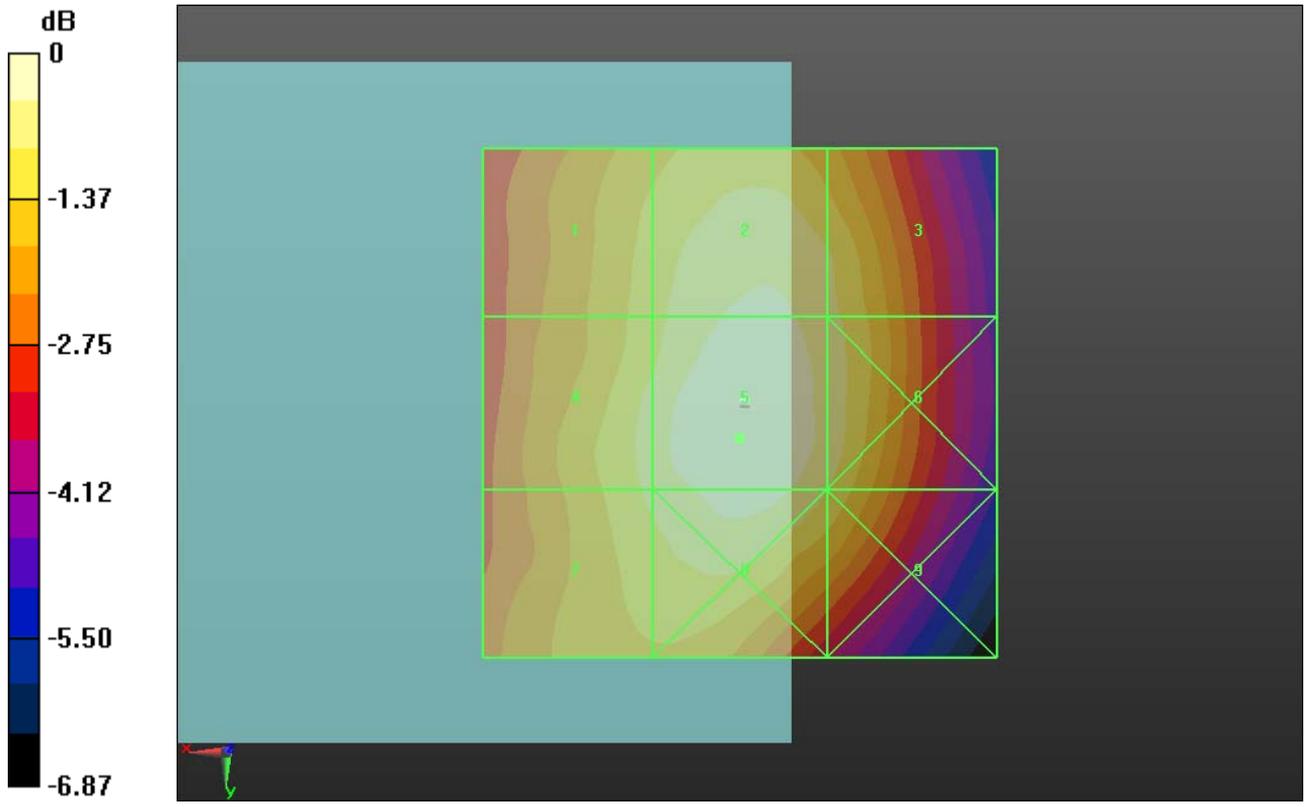
Emission category: M4

MIF scaled E-field

Grid 1 **M4** **27.47 dBV/m**	Grid 2 **M4** **28.19 dBV/m**	Grid 3 **M4** **27.82 dBV/m**
Grid 4 **M4** **27.86 dBV/m**	Grid 5 **M4** **28.55 dBV/m**	Grid 6 **M4** **27.95 dBV/m**
Grid 7 **M4** **27.74 dBV/m**	Grid 8 **M4** **28.3 dBV/m**	Grid 9 **M4** **27.65 dBV/m**

Cursor:
Total = 28.55 dBV/m
E Category: M4
Location: 0, 3.5, 8.7 mm

0 dB = 26.75 V/m = 28.55 dBV/m

#03 HAC RF_CDMA2000 BC0_RC1 SO3_Voice_Eighth rate_Ch777_E

DUT: 342701A

Communication System: CDMA2000 (1xRTT, RC1, 1/8 Rate); Frequency: 848.31 MHz;Duty Cycle: 1:19.8153

Medium: Air Medium parameters used: $\sigma = 0$ S/m, $\varepsilon_r = 1$; $\rho = 0$ kg/m^3

Ambient Temperature：23.2 ℃

DASY5 Configuration:
- Probe: ER3DV6 - SN2476; ConvF(1, 1, 1); Calibrated: 2012-12-12;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn679; Calibrated: 2013-1-16
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.8 (4); SEMCAD X Version 14.6.8 (7028)

Ch777/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 = 31.65 V/m; Power Drift = -0.09 dB
Applied MIF = 0.74 dB
RF audio interference level = 28.33 dBV/m
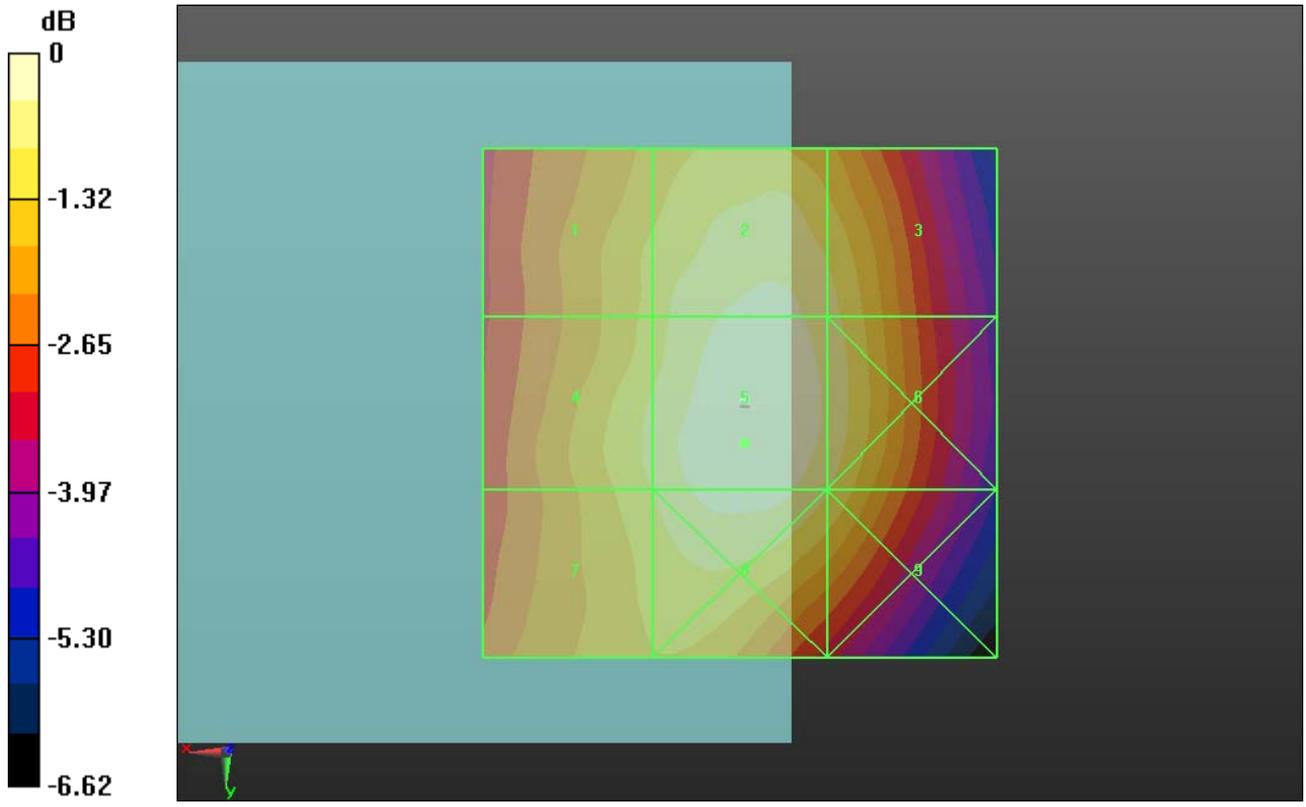**Emission category: M4**

MIF scaled E-field

Grid 1 **M4** **27.21 dBV/m**	Grid 2 **M4** **28.03 dBV/m**	Grid 3 **M4** **27.66 dBV/m**
Grid 4 **M4** **27.59 dBV/m**	Grid 5 **M4** **28.33 dBV/m**	Grid 6 **M4** **27.82 dBV/m**
Grid 7 **M4** **27.46 dBV/m**	Grid 8 **M4** **28.08 dBV/m**	Grid 9 **M4** **27.5 dBV/m**

Cursor:
Total = 28.33 dBV/m
E Category: M4
Location: -0.5, 4, 8.7 mm

0 dB = 26.10 V/m = 28.33 dBV/m

#04 HAC RF_CDMA2000 BC1_RC1 SO3_Voice_Eighth rate_Ch25_E

DUT: 342701A

Communication System: CDMA2000 (1xRTT, RC1, 1/8 Rate); Frequency: 1851.25 MHz;Duty Cycle: 1:19.8153

Medium: Air Medium parameters used: $\sigma = 0$ S/m, $\varepsilon_r = 1$; $\rho = 0$ kg/m^3

Ambient Temperature：23.2 ℃

DASY5 Configuration:
- Probe: ER3DV6 - SN2476; ConvF(1, 1, 1); Calibrated: 2012-12-12;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn679; Calibrated: 2013-1-16
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.8 (4); SEMCAD X Version 14.6.8 (7028)

Ch25/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 = 3.621 V/m; Power Drift = 0.50 dB
Applied MIF = 0.74 dB
RF audio interference level = 17.87 dBV/m
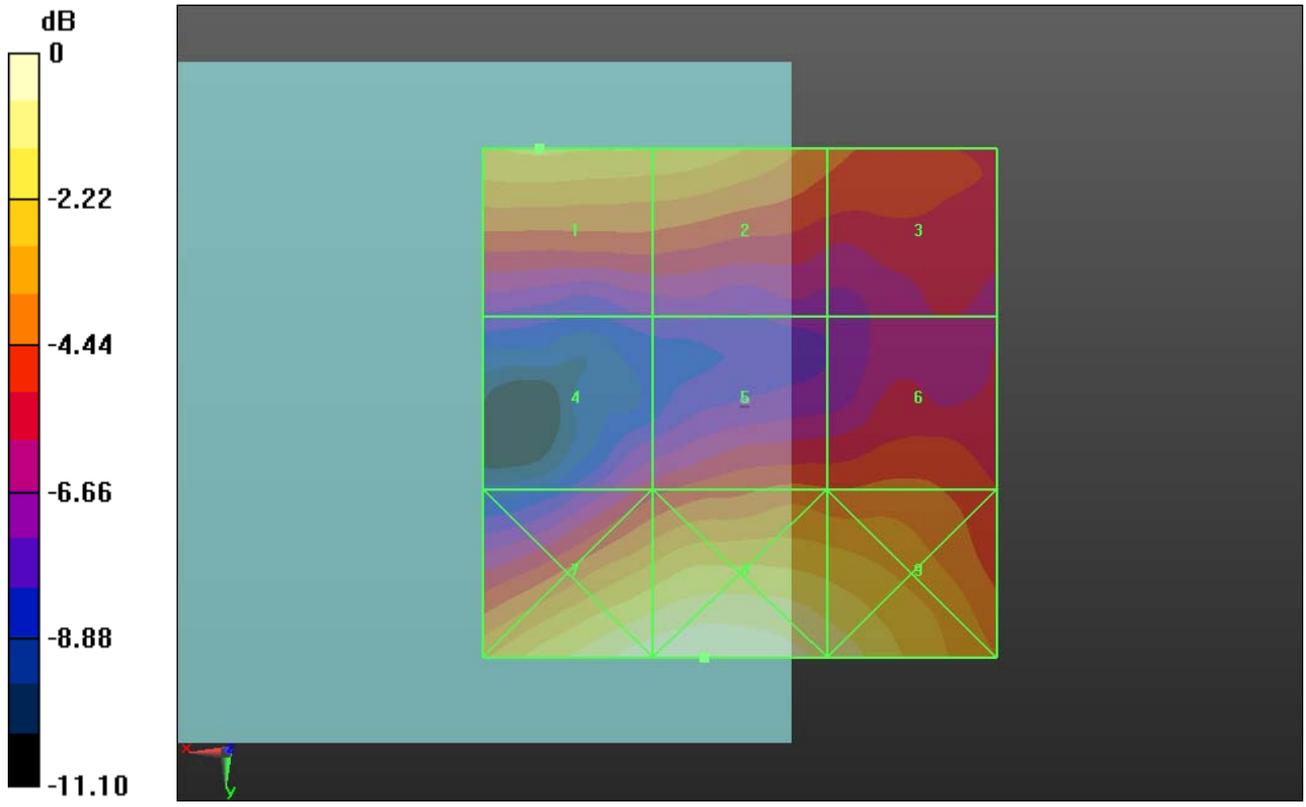**Emission category: M4**

MIF scaled E-field

Grid 1 **M4** 17.87 dBV/m	Grid 2 **M4** 17.7 dBV/m	Grid 3 **M4** 15.78 dBV/m
Grid 4 **M4** 14.41 dBV/m	Grid 5 **M4** 15.72 dBV/m	Grid 6 **M4** 15.72 dBV/m
Grid 7 **M4** 19.69 dBV/m	Grid 8 **M4** 19.92 dBV/m	Grid 9 **M4** 19.06 dBV/m

Cursor:
Total = 19.92 dBV/m
E Category: M4
Location: 3.5, 25, 8.7 mm

0 dB = 9.908 V/m = 19.92 dBV/m

#05 HAC RF_CDMA2000 BC1_RC1 SO3_Voice_Eighth rate_Ch600_E

DUT: 342701A

Communication System: CDMA2000 (1xRTT, RC1, 1/8 Rate); Frequency: 1880 MHz;Duty Cycle: 1:19.8153

Medium: Air Medium parameters used: $\sigma = 0$ S/m, $\varepsilon_r = 1$; $\rho = 0$ kg/m^3

Ambient Temperature：23.2 ℃

DASY5 Configuration:
- Probe: ER3DV6 - SN2476; ConvF(1, 1, 1); Calibrated: 2012-12-12;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn679; Calibrated: 2013-1-16
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.8 (4); SEMCAD X Version 14.6.8 (7028)

Ch600/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 = 3.723 V/m; Power Drift = 0.84 dB

Applied MIF = 0.74 dB

RF audio interference level = 18.22 dBV/m
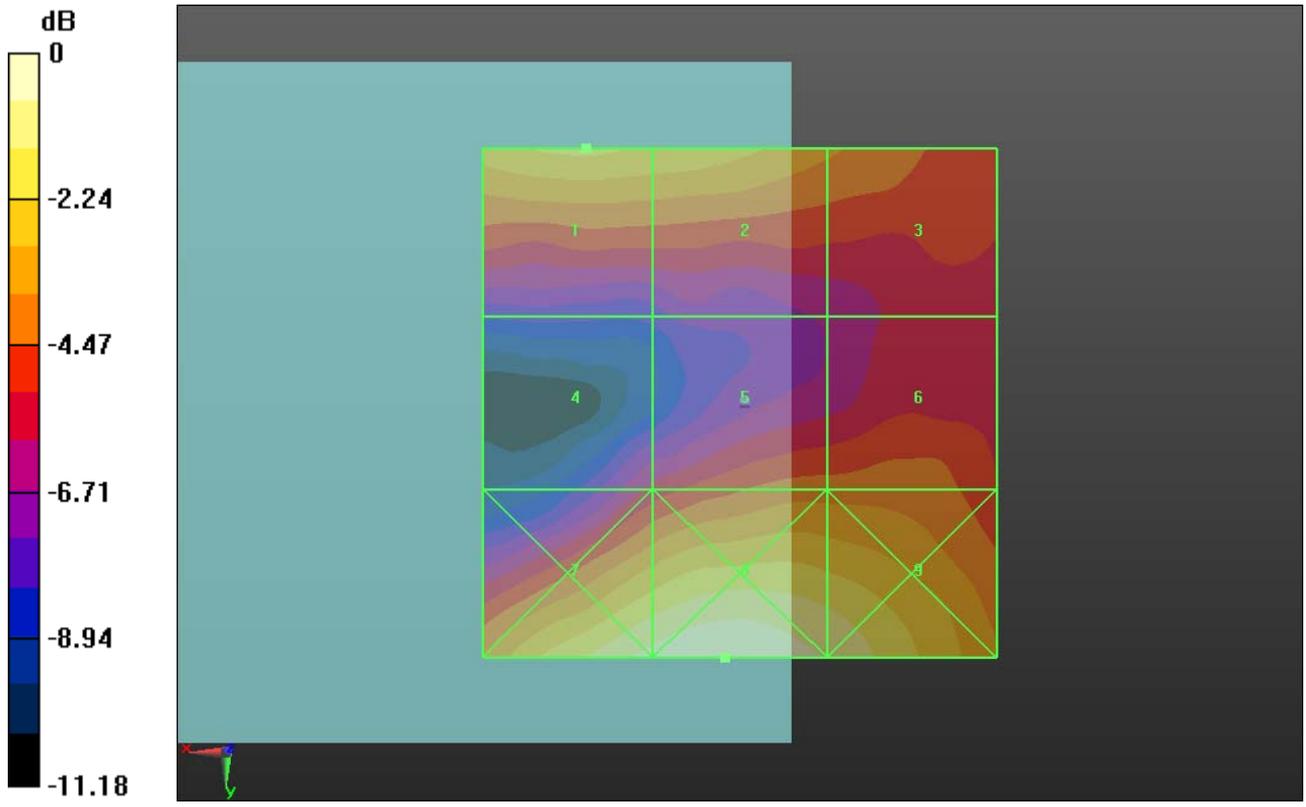
Emission category: M4

MIF scaled E-field

Grid 1 **M4**	Grid 2 **M4**	Grid 3 **M4**
18.22 dBV/m	**17.95 dBV/m**	**16.7 dBV/m**
Grid 4 **M4**	Grid 5 **M4**	Grid 6 **M4**
14.59 dBV/m	**16.2 dBV/m**	**16.25 dBV/m**
Grid 7 **M4**	Grid 8 **M4**	Grid 9 **M4**
19.8 dBV/m	**20.26 dBV/m**	**19.49 dBV/m**

Cursor:
Total = 20.26 dBV/m
E Category: M4
Location: 1.5, 25, 8.7 mm

0 dB = 10.30 V/m = 20.26 dBV/m

#06 HAC RF_CDMA2000 BC1_RC1 SO3_Voice_Eighth rate_Ch1175_E

DUT: 342701A

Communication System: CDMA2000 (1xRTT, RC1, 1/8 Rate); Frequency: 1908.75 MHz;Duty Cycle: 1:19.8153

Medium: Air Medium parameters used: $\sigma = 0$ S/m, $\varepsilon_r = 1$; $\rho = 0$ kg/m^3

Ambient Temperature：23.2 ℃

DASY5 Configuration:
- Probe: ER3DV6 - SN2476; ConvF(1, 1, 1); Calibrated: 2012-12-12;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn679; Calibrated: 2013-1-16
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.8 (4); SEMCAD X Version 14.6.8 (7028)

Ch1175/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 = 3.681 V/m; Power Drift = 0.46 dB
Applied MIF = 0.74 dB
RF audio interference level = 17.71 dBV/m
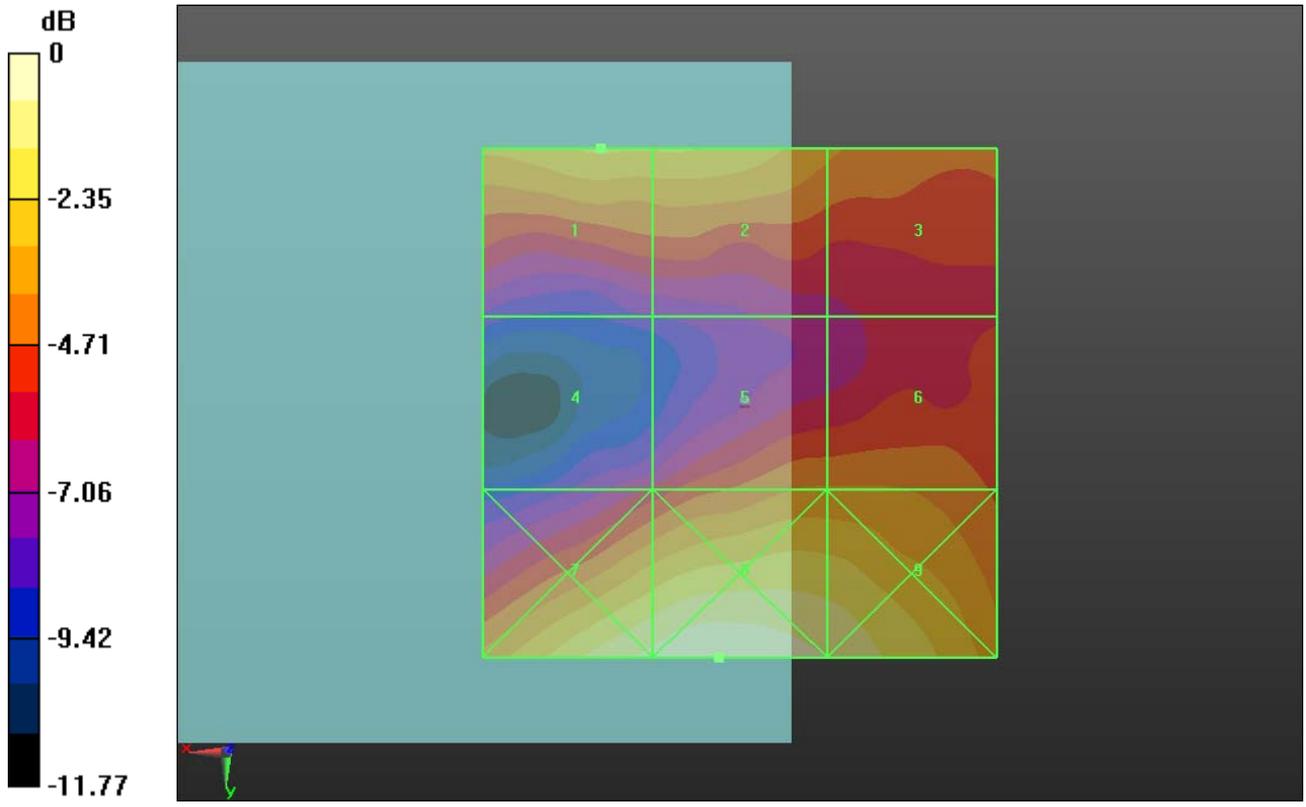**Emission category: M4**

MIF scaled E-field

Grid 1 **M4** **17.71 dBV/m**	Grid 2 **M4** **17.69 dBV/m**	Grid 3 **M4** **16.21 dBV/m**
Grid 4 **M4** **13.89 dBV/m**	Grid 5 **M4** **16.11 dBV/m**	Grid 6 **M4** **16.12 dBV/m**
Grid 7 **M4** **19.41 dBV/m**	Grid 8 **M4** **19.94 dBV/m**	Grid 9 **M4** **19.16 dBV/m**

Cursor:
Total = 19.94 dBV/m
E Category: M4
Location: 2, 25, 8.7 mm

0 dB = 9.935 V/m = 19.94 dBV/m