Appendix B. Plots of RF Emission Measurement

The plots are shown as follows.

SPORTON INTERNATIONAL INC.
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Page Number   : B1 of B1
Report Issued Date : Feb. 18, 2013
Report Version   : Rev. 01

#01 HAC_E_CDMA2000 BC10_RC1_SO3_1/8Rate_Ch476

DUT: 2D2016

Communication System: CDMA2000 (1xRTT, RC1, 1/8 Rate); Frequency: 817.9 MHz;Duty Cycle: 1:19.8153

Medium: Air Medium parameters used: σ = 0 mho/m, ε_r = 1; ρ = 1000 kg/m^3

Ambient Temperature：22.4 ℃

DASY5 Configuration:
- Probe: ER3DV6 - SN2476; ConvF(1, 1, 1); Calibrated: 2012/12/12;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn910; Calibrated: 2012/12/5
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.8 (1); SEMCAD X Version 14.6.5 (6469)

Ch476/E Scan - ER3D: 15 mm from Probe Center to the Device/Hearing Aid Compatibility Test (101x101x1): Measurement grid: dx=5mm, dy=5mm

Device Reference Point: 0, 0, -6.3 mm
Reference Value = 27.97 V/m; Power Drift = -0.18 dB
Applied MIF = 0.74 dB
RF audio interference level = 27.76 dB V/m
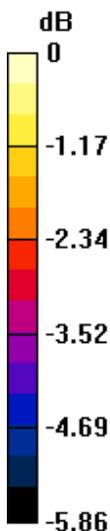**Emission category: M4**

MIF scaled E-field

Grid 1 **M4** **26.15 dB V/m**	Grid 2 **M4** **26.91 dB V/m**	Grid 3 **M4** **26.55 dB V/m**
Grid 4 **M4** **26.56 dB V/m**	Grid 5 **M4** **27.76 dB V/m**	Grid 6 **M4** **26.77 dB V/m**
Grid 7 **M4** **26.42 dB V/m**	Grid 8 **M4** **27 dB V/m**	Grid 9 **M4** **26.63 dB V/m**

Cursor:
Total = 27.76 dB V/m
E Category: M4
Location: -4.5, -4.5, 8.7 mm

0 dB = 24.44 V/m = 27.76 dB V/m

#02 HAC_E_CDMA2000 BC10_RC1_SO3_1/8Rate_Ch580

DUT: 2D2016

Communication System: CDMA2000 (1xRTT, RC1, 1/8 Rate); Frequency: 820.5 MHz;Duty Cycle: 1:19.8153

Medium: Air Medium parameters used: $\sigma = 0$ mho/m, $\varepsilon_r = 1$; $\rho = 1000$ kg/m^3

Ambient Temperature：22.4 ℃

DASY5 Configuration:
- Probe: ER3DV6 - SN2476; ConvF(1, 1, 1); Calibrated: 2012/12/12;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn910; Calibrated: 2012/12/5
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.8 (1); SEMCAD X Version 14.6.5 (6469)

Ch580/E Scan - ER3D: 15 mm from Probe Center to the Device/Hearing Aid Compatibility Test (101x101x1): Measurement grid: dx=5mm, dy=5mm

Device Reference Point: 0, 0, -6.3 mm
Reference Value = 29.70 V/m; Power Drift = 0.07 dB
Applied MIF = 0.74 dB
RF audio interference level = 28.68 dB V/m
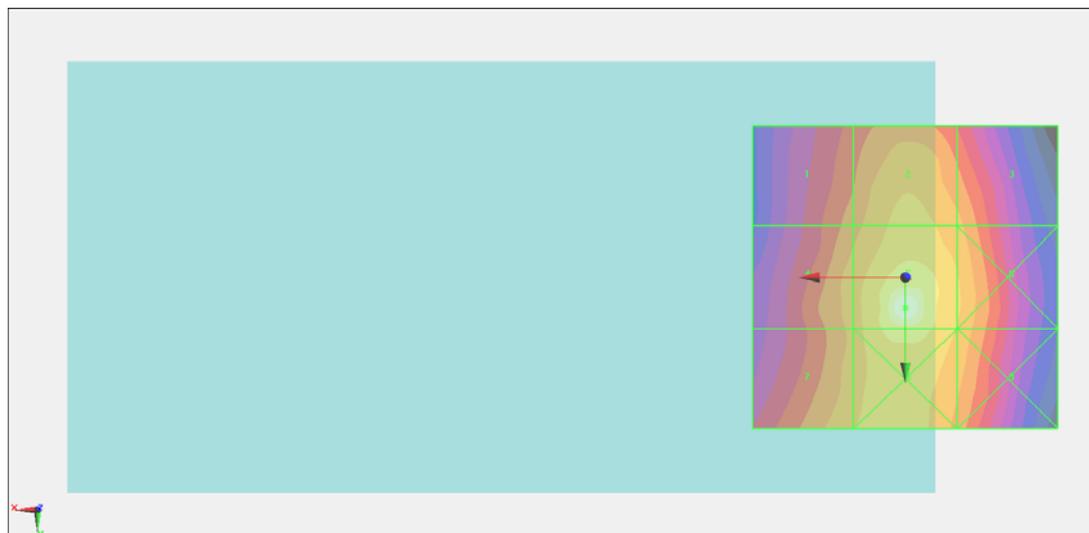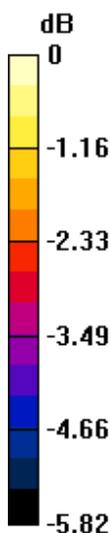**Emission category: M4**

MIF scaled E-field

Grid 1 **M4** **26.61 dB V/m**	Grid 2 **M4** **27.32 dB V/m**	Grid 3 **M4** **26.87 dB V/m**
Grid 4 **M4** **27 dB V/m**	Grid 5 **M4** **28.68 dB V/m**	Grid 6 **M4** **27.21 dB V/m**
Grid 7 **M4** **27.13 dB V/m**	Grid 8 **M4** **27.77 dB V/m**	Grid 9 **M4** **27.11 dB V/m**

Cursor:
Total = 28.68 dB V/m
E Category: M4
Location: 0, 5, 8.7 mm

0 dB = 27.18 V/m = 28.68 dB V/m

#03 HAC_E_CDMA2000 BC10_RC1_SO3_1/8Rate_Ch684

DUT: 2D2016

Communication System: CDMA2000 (1xRTT, RC1, 1/8 Rate); Frequency: 823.1 MHz;Duty Cycle: 1:19.8153

Medium: Air Medium parameters used: $\sigma = 0$ mho/m, $\varepsilon_r = 1$; $\rho = 1000$ kg/m^3

Ambient Temperature：22.4 ℃

DASY5 Configuration:
- Probe: ER3DV6 - SN2476; ConvF(1, 1, 1); Calibrated: 2012/12/12;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn910; Calibrated: 2012/12/5
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.8 (1); SEMCAD X Version 14.6.5 (6469)

Ch684/E Scan - ER3D: 15 mm from Probe Center to the Device/Hearing Aid Compatibility Test (101x101x1): Measurement grid: dx=5mm, dy=5mm

Device Reference Point: 0, 0, -6.3 mm
Reference Value = 30.15 V/m; Power Drift = 0.05 dB
Applied MIF = 0.74 dB
RF audio interference level = 27.89 dB V/m
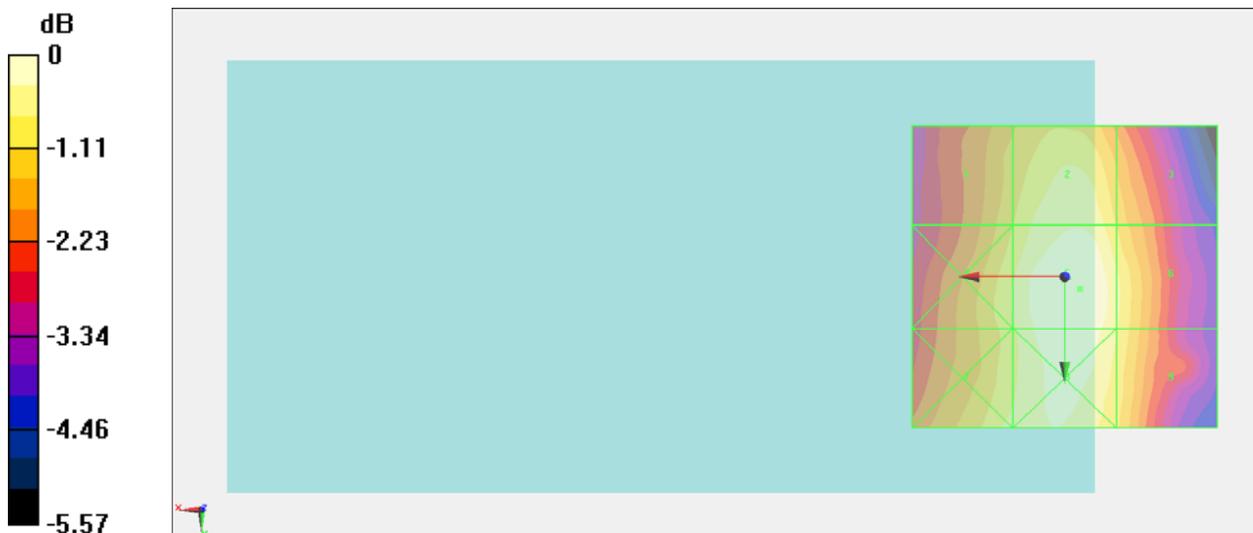**Emission category: M4**

MIF scaled E-field

Grid 1 **M4** **26.79 dB V/m**	Grid 2 **M4** **27.51 dB V/m**	Grid 3 **M4** **26.78 dB V/m**
Grid 4 **M4** **27.19 dB V/m**	Grid 5 **M4** **27.89 dB V/m**	Grid 6 **M4** **27.27 dB V/m**
Grid 7 **M4** **27.29 dB V/m**	Grid 8 **M4** **27.77 dB V/m**	Grid 9 **M4** **27.18 dB V/m**

Cursor:
Total = 27.89 dB V/m
E Category: M4
Location: -2.5, 2, 8.7 mm

0 dB = 24.82 V/m = 27.90 dB V/m

#04 HAC_E_CDMA2000 BC0_RC1_SO3_1/8Rate_Ch1013

DUT: 2D2016

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

Medium: Air Medium parameters used: $\sigma = 0$ mho/m, $\varepsilon_r = 1$; $\rho = 1000$ kg/m^3

Ambient Temperature：22.4 ℃

DASY5 Configuration:
- Probe: ER3DV6 - SN2476; ConvF(1, 1, 1); Calibrated: 2012/12/12;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn910; Calibrated: 2012/12/5
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.8 (1); SEMCAD X Version 14.6.5 (6469)

Ch1013/E Scan - ER3D: 15 mm from Probe Center to the Device/Hearing Aid Compatibility Test (101x101x1): Measurement grid: dx=5mm, dy=5mm

Device Reference Point: 0, 0, -6.3 mm
Reference Value = 29.31 V/m; Power Drift = -0.08 dB
Applied MIF = 0.74 dB
RF audio interference level = 27.50 dB V/m
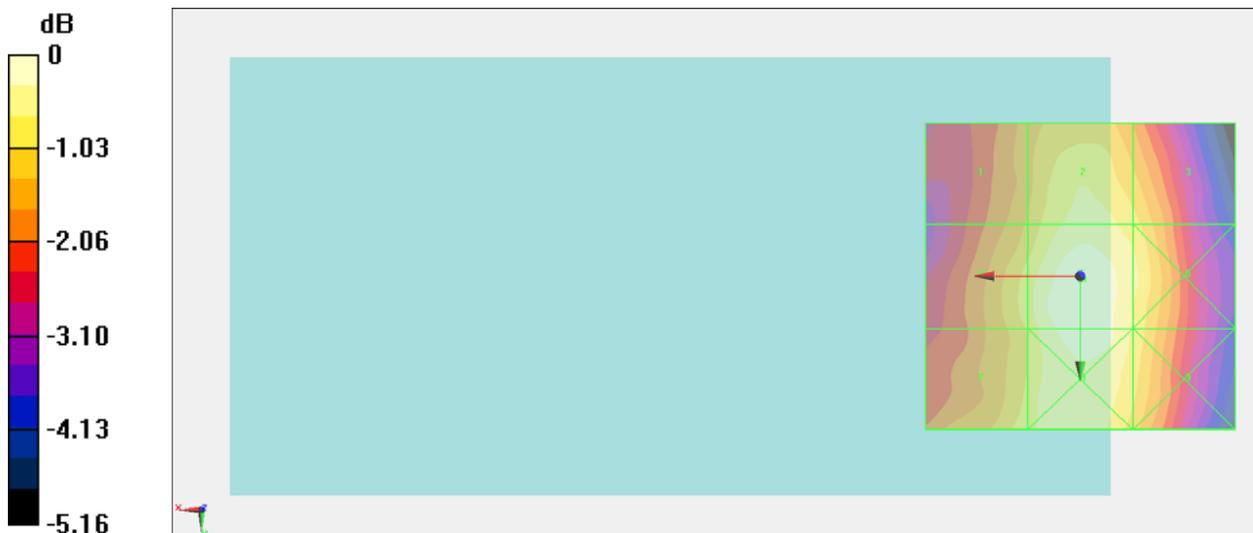**Emission category: M4**

MIF scaled E-field

Grid 1 **M4** **26.19 dB V/m**	Grid 2 **M4** **26.98 dB V/m**	Grid 3 **M4** **26.62 dB V/m**
Grid 4 **M4** **26.68 dB V/m**	Grid 5 **M4** **27.5 dB V/m**	Grid 6 **M4** **26.94 dB V/m**
Grid 7 **M4** **26.7 dB V/m**	Grid 8 **M4** **27.29 dB V/m**	Grid 9 **M4** **26.79 dB V/m**

Cursor:
Total = 27.50 dB V/m
E Category: M4
Location: -0.5, 0.5, 8.7 mm

0 dB = 23.72 V/m = 27.50 dB V/m

#05 HAC_E_CDMA2000 BC0_RC1_SO3_1/8Rate_Ch384

DUT: 2D2016

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

Medium: Air Medium parameters used: $\sigma = 0$ mho/m, $\varepsilon_r = 1$; $\rho = 1000$ kg/m^3

Ambient Temperature：22.4 ℃

DASY5 Configuration:
- Probe: ER3DV6 - SN2476; ConvF(1, 1, 1); Calibrated: 2012/12/12;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn910; Calibrated: 2012/12/5
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.8 (1); SEMCAD X Version 14.6.5 (6469)

Ch384/E Scan - ER3D: 15 mm from Probe Center to the Device/Hearing Aid Compatibility Test (101x101x1): Measurement grid: dx=5mm, dy=5mm

Device Reference Point: 0, 0, -6.3 mm
Reference Value = 28.09 V/m; Power Drift = 0.01 dB
Applied MIF = 0.74 dB
RF audio interference level = 27.36 dB V/m
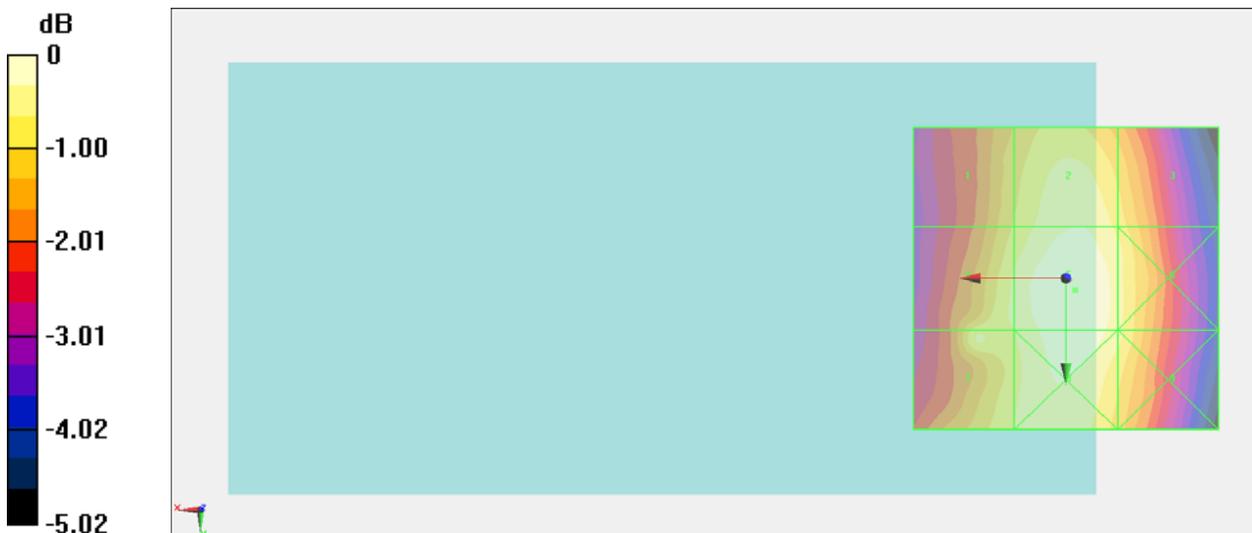**Emission category: M4**

MIF scaled E-field

Grid 1 **M4** **26.4 dB V/m**	Grid 2 **M4** **27.03 dB V/m**	Grid 3 **M4** **26.59 dB V/m**
Grid 4 **M4** **26.79 dB V/m**	Grid 5 **M4** **27.36 dB V/m**	Grid 6 **M4** **26.85 dB V/m**
Grid 7 **M4** **26.76 dB V/m**	Grid 8 **M4** **27.25 dB V/m**	Grid 9 **M4** **26.81 dB V/m**

Cursor:
Total = 27.36 dB V/m
E Category: M4
Location: -1.5, 2, 8.7 mm

0 dB = 23.33 V/m = 27.36 dB V/m

#06 HAC_E_CDMA2000 BC0_RC1_SO3_1/8Rate_Ch777

DUT: 2D2016

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

Medium: Air Medium parameters used: σ = 0 mho/m, $ε_r$ = 1; ρ = 1000 kg/m^3

Ambient Temperature：22.4 ℃

DASY5 Configuration:
- Probe: ER3DV6 - SN2476; ConvF(1, 1, 1); Calibrated: 2012/12/12;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn910; Calibrated: 2012/12/5
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.8 (1); SEMCAD X Version 14.6.5 (6469)

Ch777/E Scan - ER3D: 15 mm from Probe Center to the Device/Hearing Aid Compatibility Test (101x101x1): Measurement grid: dx=5mm, dy=5mm

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 25.59 V/m; Power Drift = -0.04 dB

Applied MIF = 0.74 dB

RF audio interference level = 26.33 dB V/m
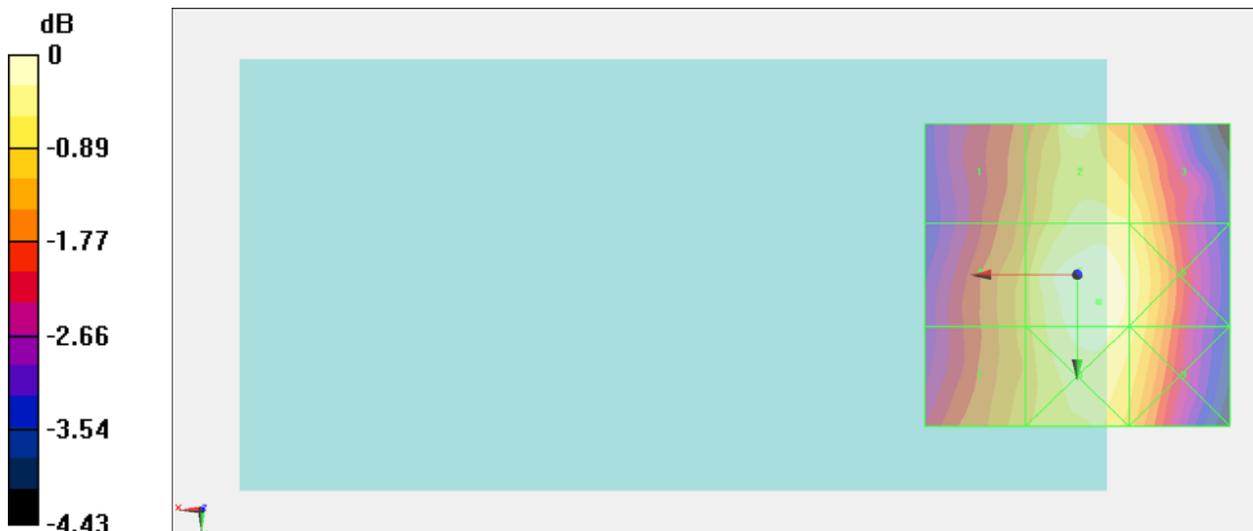
Emission category: M4

MIF scaled E-field

Grid 1 **M4** **25.03 dB V/m**	Grid 2 **M4** **26.16 dB V/m**	Grid 3 **M4** **25.74 dB V/m**
Grid 4 **M4** **25.36 dB V/m**	Grid 5 **M4** **26.33 dB V/m**	Grid 6 **M4** **25.97 dB V/m**
Grid 7 **M4** **25.39 dB V/m**	Grid 8 **M4** **26.19 dB V/m**	Grid 9 **M4** **25.88 dB V/m**

Cursor:
Total = 26.33 dB V/m
E Category: M4
Location: -3.5, 4.5, 8.7 mm

0 dB = 20.73 V/m = 26.33 dB V/m

#07 HAC_E_CDMA2000 BC0_RC1_SO3_1/8Rate_Ch25

DUT: 2D2016

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

Medium: Air Medium parameters used: $\sigma = 0$ mho/m, $\varepsilon_r = 1$; $\rho = 1000$ kg/m^3

Ambient Temperature：22.4 ℃

DASY5 Configuration:
- Probe: ER3DV6 - SN2476; ConvF(1, 1, 1); Calibrated: 2012/12/12;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn910; Calibrated: 2012/12/5
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.8 (1); SEMCAD X Version 14.6.5 (6469)

Ch25/E Scan - ER3D: 15 mm from Probe Center to the Device/Hearing Aid Compatibility Test (101x101x1): Measurement grid: dx=5mm, dy=5mm

Device Reference Point: 0, 0, -6.3 mm
Reference Value = 10.37 V/m; Power Drift = -0.15 dB
Applied MIF = 0.74 dB
RF audio interference level = 19.75 dB V/m
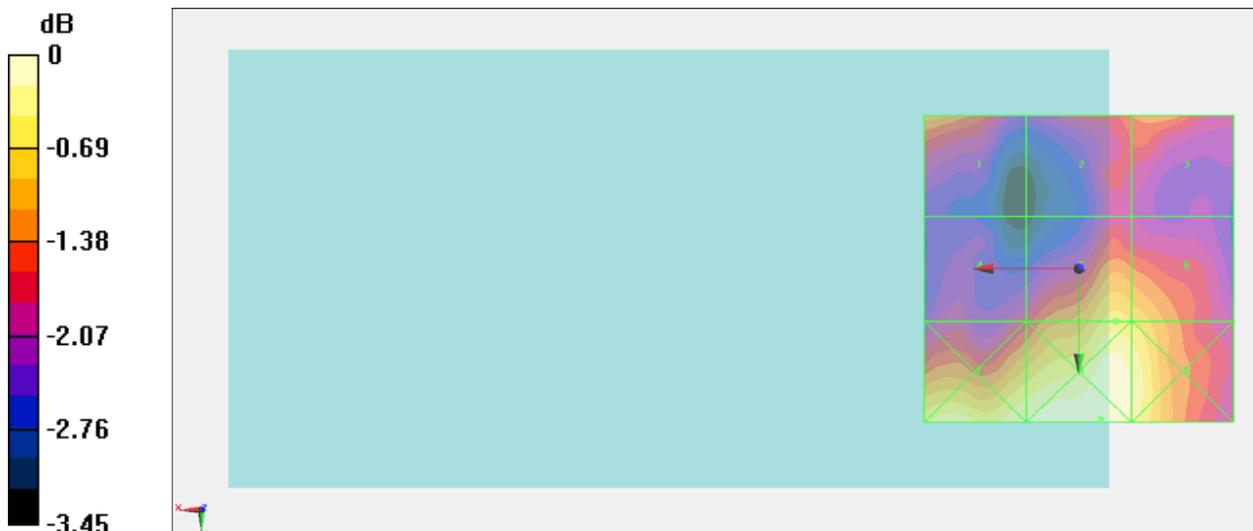**Emission category: M4**

MIF scaled E-field

Grid 1 **M4** **19.4 dB V/m**	Grid 2 **M4** **18.97 dB V/m**	Grid 3 **M4** **19.16 dB V/m**
Grid 4 **M4** **18.62 dB V/m**	Grid 5 **M4** **19.75 dB V/m**	Grid 6 **M4** **19.66 dB V/m**
Grid 7 **M4** **20.18 dB V/m**	Grid 8 **M4** **20.34 dB V/m**	Grid 9 **M4** **20.11 dB V/m**

Cursor:
Total = 20.34 dB V/m
E Category: M4
Location: -3.5, 24.5, 8.7 mm

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

#08 HAC_E_CDMA2000 BC0_RC1_SO3_1/8Rate_Ch600

DUT: 2D2016

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

Medium: Air Medium parameters used: $\sigma = 0$ mho/m, $\varepsilon_r = 1$; $\rho = 1000$ kg/m^3

Ambient Temperature：22.4 ℃

DASY5 Configuration:
- Probe: ER3DV6 - SN2476; ConvF(1, 1, 1); Calibrated: 2012/12/12;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn910; Calibrated: 2012/12/5
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.8 (1); SEMCAD X Version 14.6.5 (6469)

Ch600/E Scan - ER3D: 15 mm from Probe Center to the Device/Hearing Aid Compatibility Test (101x101x1): Measurement grid: dx=5mm, dy=5mm

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 9.543 V/m; Power Drift = -0.12 dB

Applied MIF = 0.74 dB

RF audio interference level = 19.85 dB V/m
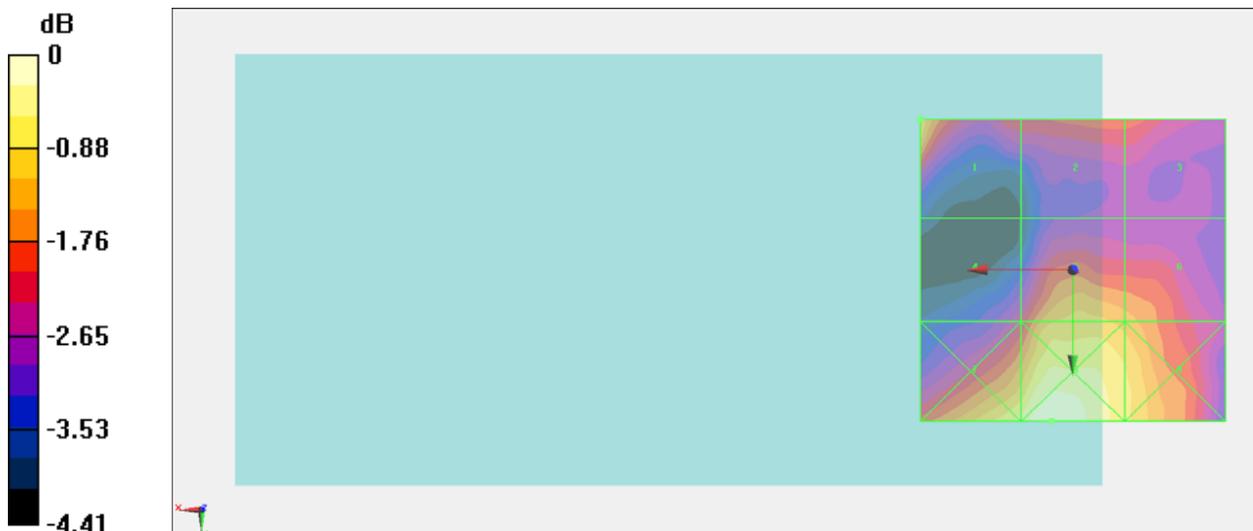
Emission category: M4

MIF scaled E-field

Grid 1 **M4** **19.85 dB V/m**	Grid 2 **M4** **18.8 dB V/m**	Grid 3 **M4** **18.79 dB V/m**
Grid 4 **M4** **18.33 dB V/m**	Grid 5 **M4** **19.56 dB V/m**	Grid 6 **M4** **19.32 dB V/m**
Grid 7 **M4** **20.2 dB V/m**	Grid 8 **M4** **20.63 dB V/m**	Grid 9 **M4** **19.85 dB V/m**

Cursor:
Total = 20.63 dB V/m
E Category: M4
Location: 3.5, 25, 8.7 mm

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

#09 HAC_E_CDMA2000 BC0_RC1_SO3_1/8Rate_Ch1175

DUT: 2D2016

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

Medium: Air Medium parameters used: $\sigma = 0$ mho/m, $\varepsilon_r = 1$; $\rho = 1000$ kg/m^3

Ambient Temperature：22.4 ℃

DASY5 Configuration:
- Probe: ER3DV6 - SN2476; ConvF(1, 1, 1); Calibrated: 2012/12/12;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn910; Calibrated: 2012/12/5
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.8 (1); SEMCAD X Version 14.6.5 (6469)

Ch1175/E Scan - ER3D: 15 mm from Probe Center to the Device/Hearing Aid Compatibility Test (101x101x1): Measurement grid: dx=5mm, dy=5mm

Device Reference Point: 0, 0, -6.3 mm
Reference Value = 9.170 V/m; Power Drift = -0.08 dB
Applied MIF = 0.74 dB
RF audio interference level = 20.19 dB V/m
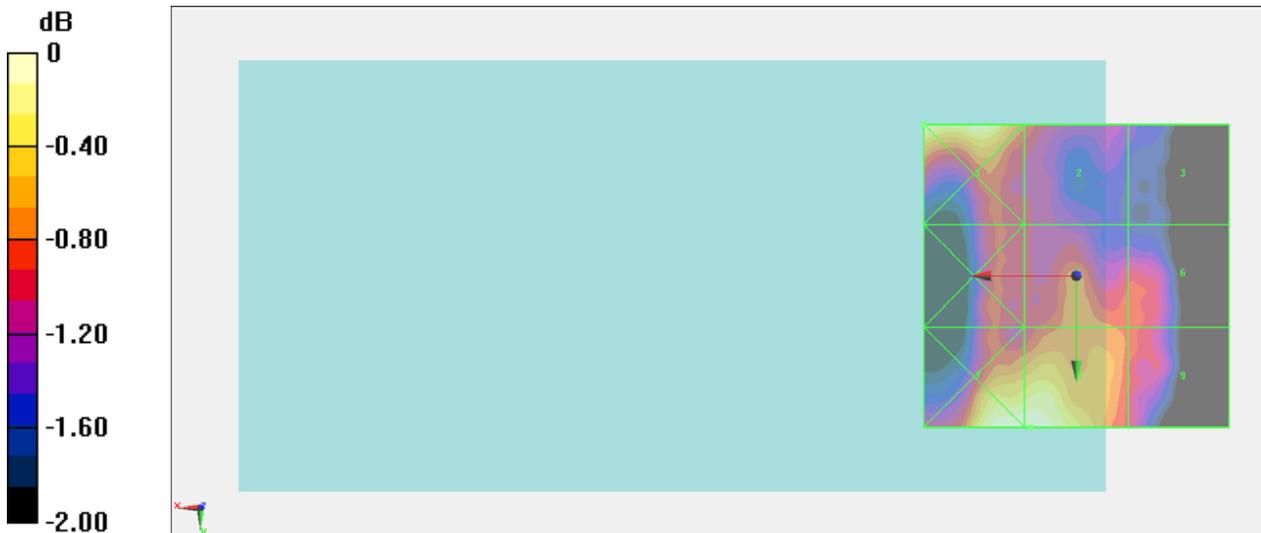**Emission category: M4**

MIF scaled E-field

Grid 1 **M4** **20.22 dB V/m**	Grid 2 **M4** **19.47 dB V/m**	Grid 3 **M4** **18.86 dB V/m**
Grid 4 **M4** **19.38 dB V/m**	Grid 5 **M4** **19.54 dB V/m**	Grid 6 **M4** **19.4 dB V/m**
Grid 7 **M4** **20.19 dB V/m**	Grid 8 **M4** **20.19 dB V/m**	Grid 9 **M4** **19.39 dB V/m**

Cursor:
Total = 20.22 dB V/m
E Category: M4
Location: 25, -25, 8.7 mm

0 dB = 10.25 V/m = 20.21 dB V/m