



Appendix B. Plots of RF Emission Measurement

The plots are shown as follows.

#01 HAC RF_CDMA2000 BC1_RC1 SO3_Voice_Eighth Rate_Ch25_E

DUT: 331405A

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, $\epsilon_r = 1$; $\rho = 0$ kg/m³

Ambient Temperature : 23.3 °C

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

Reference Value = 5.619 V/m; Power Drift = 0.03 dB

Applied MIF = 0.74 dB

RF audio interference level = 19.55 dBV/m

Emission category: M4

MIF scaled E-field

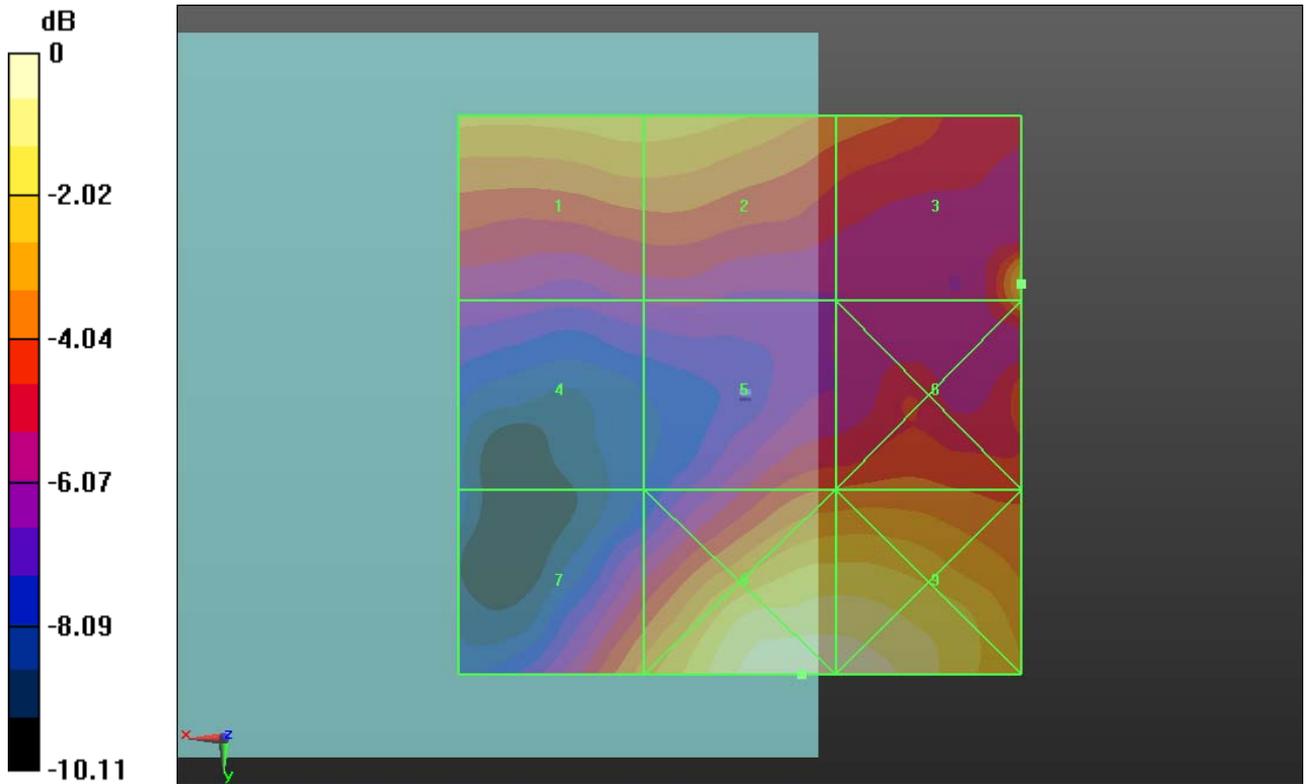
Grid 1 M4 19.44 dBV/m	Grid 2 M4 19.44 dBV/m	Grid 3 M4 19.55 dBV/m
Grid 4 M4 15.7 dBV/m	Grid 5 M4 17.7 dBV/m	Grid 6 M4 18.88 dBV/m
Grid 7 M4 18.7 dBV/m	Grid 8 M4 21.68 dBV/m	Grid 9 M4 21.48 dBV/m

Cursor:

Total = 21.68 dBV/m

E Category: M4

Location: -5.5, 25, 8.7 mm



0 dB = 12.13 V/m = 21.68 dBV/m

#02 HAC RF_CDMA2000 BC1_RC1 SO3_Voice_Eighth Rate_Ch600_E

DUT: 331405A

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, $\epsilon_r = 1$; $\rho = 0$ kg/m³

Ambient Temperature : 23.3 °C

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

Reference Value = 6.814 V/m; Power Drift = 0.01 dB

Applied MIF = 0.74 dB

RF audio interference level = 18.89 dBV/m

Emission category: M4

MIF scaled E-field

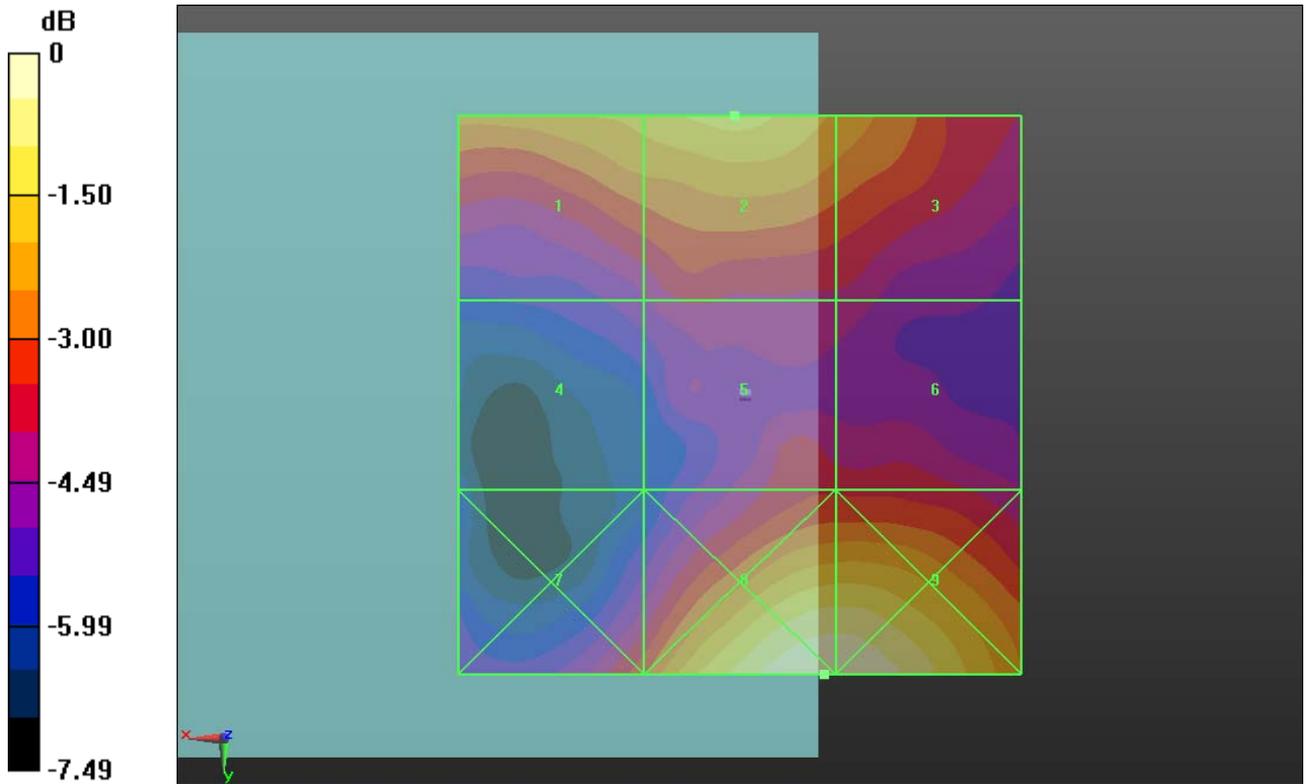
Grid 1 M4 18.35 dBV/m	Grid 2 M4 18.89 dBV/m	Grid 3 M4 18.07 dBV/m
Grid 4 M4 15.61 dBV/m	Grid 5 M4 16.61 dBV/m	Grid 6 M4 16.58 dBV/m
Grid 7 M4 17.11 dBV/m	Grid 8 M4 20.15 dBV/m	Grid 9 M4 20.14 dBV/m

Cursor:

Total = 20.15 dBV/m

E Category: M4

Location: -7.5, 25, 8.7 mm



0 dB = 10.17 V/m = 20.15 dBV/m

#03 HAC RF_CDMA2000 BC1_RC1 SO3_Voice_Eighth Rate_Ch1175_E

DUT: 331405A

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, $\epsilon_r = 1$; $\rho = 0$ kg/m³

Ambient Temperature : 23.3 °C

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

Reference Value = 8.207 V/m; Power Drift = 0.14 dB

Applied MIF = 0.74 dB

RF audio interference level = 19.28 dBV/m

Emission category: M4

MIF scaled E-field

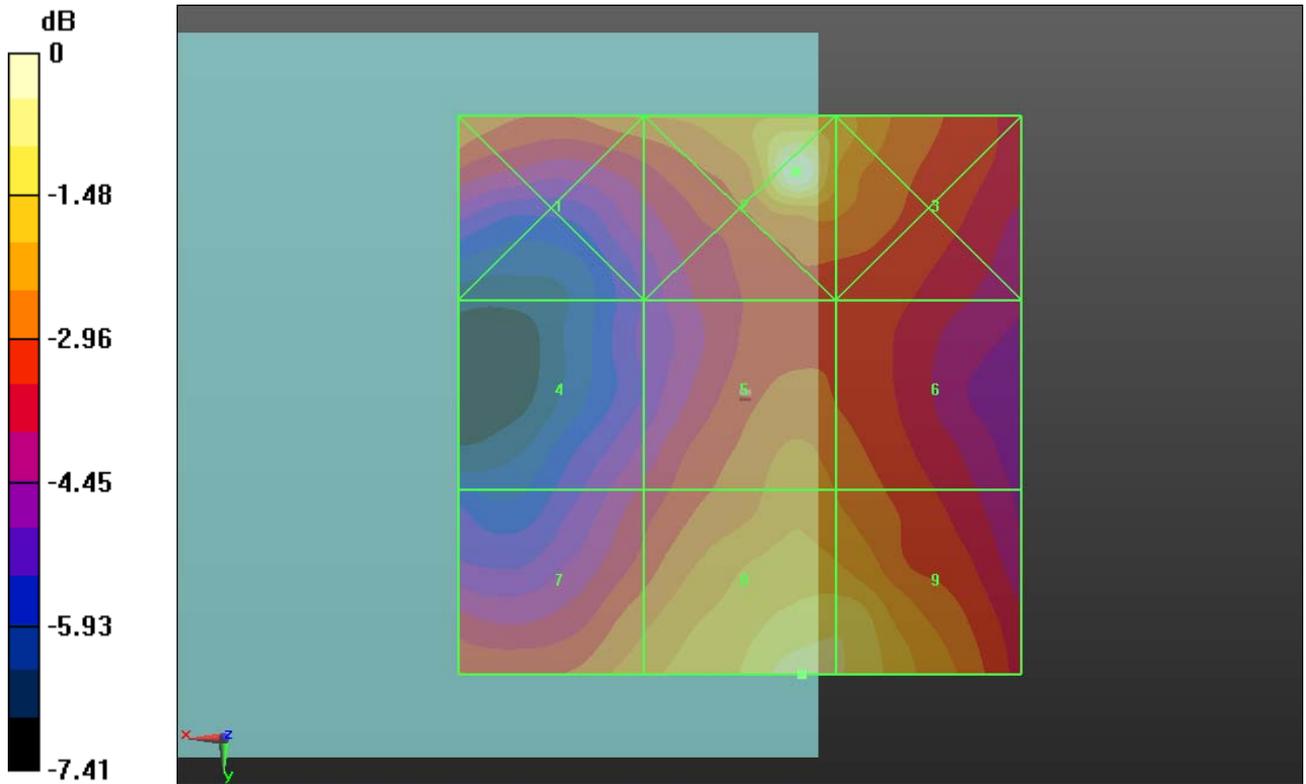
Grid 1 M4 17.57 dBV/m	Grid 2 M4 19.97 dBV/m	Grid 3 M4 18.32 dBV/m
Grid 4 M4 16.15 dBV/m	Grid 5 M4 17.79 dBV/m	Grid 6 M4 17.5 dBV/m
Grid 7 M4 17.85 dBV/m	Grid 8 M4 19.28 dBV/m	Grid 9 M4 19.07 dBV/m

Cursor:

Total = 19.97 dBV/m

E Category: M4

Location: -5, -20, 8.7 mm



0 dB = 9.969 V/m = 19.97 dBV/m

#04 HAC RF_CDMA2000 BC10_RC1 SO3_Voice_Eighth Rate_Ch476_E

DUT: 331405A

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

Medium: Air Medium parameters used: $\sigma = 0$ S/m, $\epsilon_r = 1$; $\rho = 0$ kg/m³

Ambient Temperature : 23.3 °C

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)

Ch476/Hearing Aid Compatibility Test (101x101x1): Interpolated grid: dx=0.5000 mm, dy=0.5000 mm

Reference Value = 24.18 V/m; Power Drift = 0.03 dB

Applied MIF = 0.74 dB

RF audio interference level = 26.30 dBV/m

Emission category: M4

MIF scaled E-field

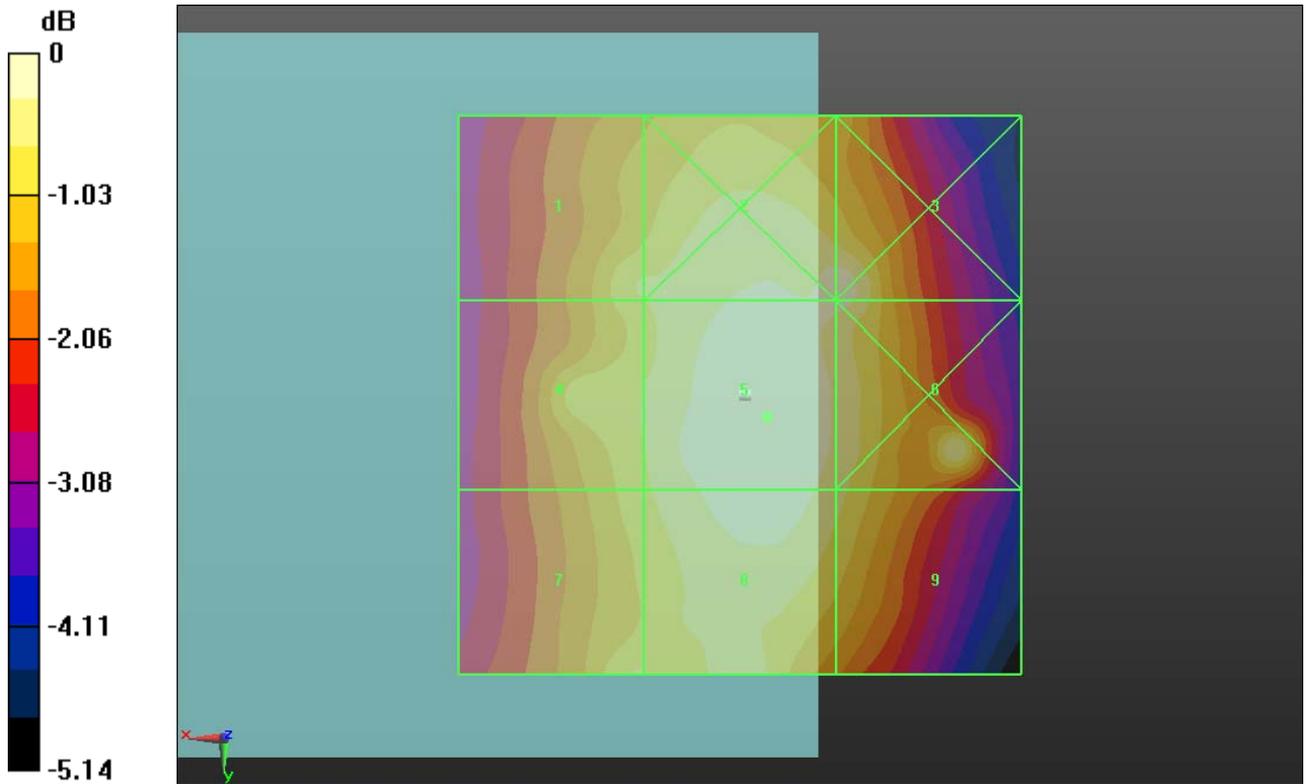
Grid 1 M4 25.65 dBV/m	Grid 2 M4 26.16 dBV/m	Grid 3 M4 26.16 dBV/m
Grid 4 M4 25.65 dBV/m	Grid 5 M4 26.3 dBV/m	Grid 6 M4 26.1 dBV/m
Grid 7 M4 25.66 dBV/m	Grid 8 M4 26.16 dBV/m	Grid 9 M4 25.75 dBV/m

Cursor:

Total = 26.30 dBV/m

E Category: M4

Location: -2.5, 2, 8.7 mm



0 dB = 20.65 V/m = 26.30 dBV/m

#05 HAC RF_CDMA2000 BC10_RC1 SO3_Voice_Eighth Rate_Ch580_E

DUT: 331405A

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

Medium: Air Medium parameters used: $\sigma = 0$ S/m, $\epsilon_r = 1$; $\rho = 0$ kg/m³

Ambient Temperature : 23.3 °C

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)

Ch580/Hearing Aid Compatibility Test (101x101x1): Interpolated grid: dx=0.5000 mm, dy=0.5000 mm

Reference Value = 27.09 V/m; Power Drift = 0.09 dB

Applied MIF = 0.74 dB

RF audio interference level = 27.66 dBV/m

Emission category: M4

MIF scaled E-field

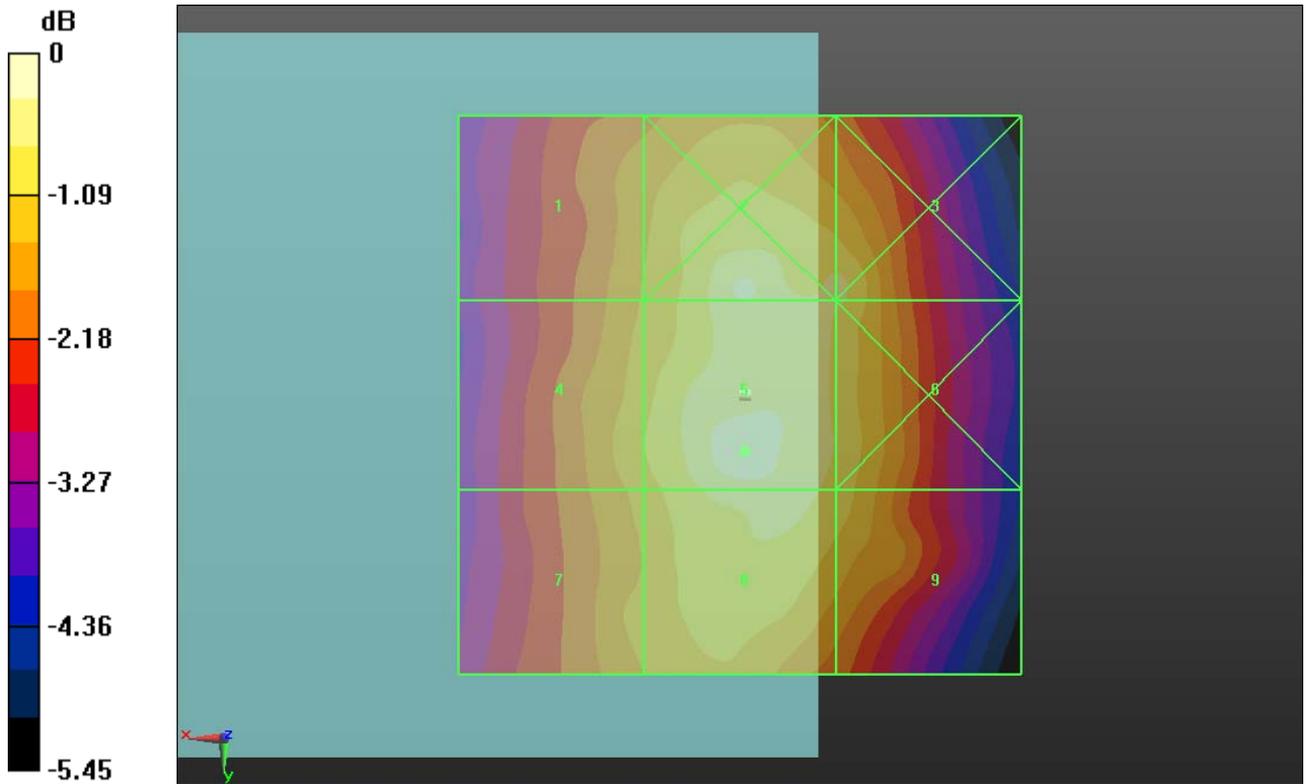
Grid 1 M4 26.26 dBV/m	Grid 2 M4 27.35 dBV/m	Grid 3 M4 27.02 dBV/m
Grid 4 M4 26.57 dBV/m	Grid 5 M4 27.66 dBV/m	Grid 6 M4 27 dBV/m
Grid 7 M4 26.4 dBV/m	Grid 8 M4 27.18 dBV/m	Grid 9 M4 26.81 dBV/m

Cursor:

Total = 27.66 dBV/m

E Category: M4

Location: -0.5, 5, 8.7 mm



0 dB = 24.16 V/m = 27.66 dBV/m

#06 HAC RF_CDMA2000 BC10_RC1 SO3_Voice_Eighth Rate_Ch684_E

DUT: 331405A

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

Medium: Air Medium parameters used: $\sigma = 0$ S/m, $\epsilon_r = 1$; $\rho = 0$ kg/m³

Ambient Temperature : 23.3 °C

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)

Ch684/Hearing Aid Compatibility Test (101x101x1): Interpolated grid: dx=0.5000 mm, dy=0.5000 mm

Reference Value = 28.19 V/m; Power Drift = 0.01 dB

Applied MIF = 0.74 dB

RF audio interference level = 27.83 dBV/m

Emission category: M4

MIF scaled E-field

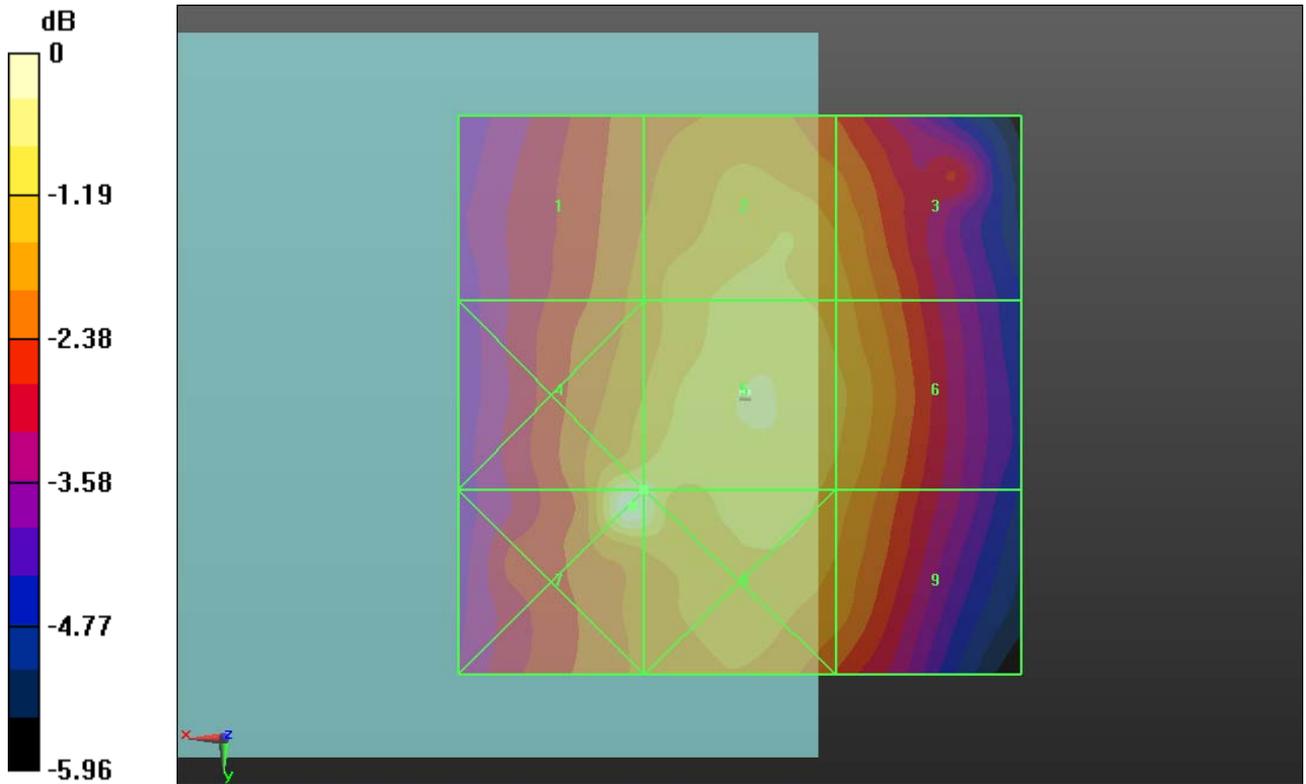
Grid 1 M4 26.52 dBV/m	Grid 2 M4 27.27 dBV/m	Grid 3 M4 26.93 dBV/m
Grid 4 M4 27.97 dBV/m	Grid 5 M4 27.83 dBV/m	Grid 6 M4 27.24 dBV/m
Grid 7 M4 28.31 dBV/m	Grid 8 M4 28.07 dBV/m	Grid 9 M4 26.97 dBV/m

Cursor:

Total = 28.31 dBV/m

E Category: M4

Location: 9.5, 10, 8.7 mm



0 dB = 26.04 V/m = 28.31 dBV/m