

#01 HAC_E_CDMA2000 BC0_RC3+SO55_Ch1013

DUT: 2N1414

Communication System: CDMA2000 (1xRTT, RC3); Frequency: 824.7 MHz; Duty Cycle: 1:2.49459

Medium: Air Medium parameters used: $\sigma = 0$ mho/m, $\epsilon_r = 1$; $\rho = 1000$ kg/m³

Ambient Temperature : 22.6 °C

DASY5 Configuration:

- Probe: ER3DV6 - SN2358; ConvF(1, 1, 1); Calibrated: 2012/6/21;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn778; Calibrated: 2012/8/27
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6477)

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 = 81.49 V/m; Power Drift = 0.05 dB

Applied MIF = -19.71 dB

RF audio interference level = 16.29 dB V/m

Emission category: M4

MIF scaled E-field

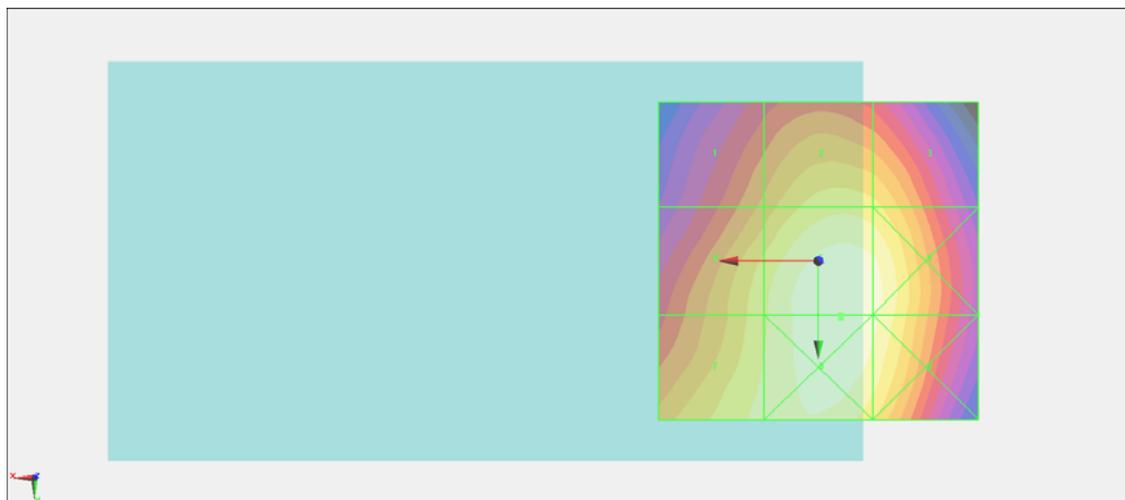
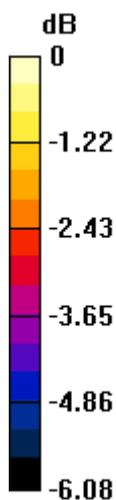
Grid 1 M4 14.43 dB V/m	Grid 2 M4 15.39 dB V/m	Grid 3 M4 15.23 dB V/m
Grid 4 M4 15.41 dB V/m	Grid 5 M4 16.29 dB V/m	Grid 6 M4 16.07 dB V/m
Grid 7 M4 15.63 dB V/m	Grid 8 M4 16.29 dB V/m	Grid 9 M4 16.01 dB V/m

Cursor:

Total = 16.29 dB V/m

E Category: M4

Location: -3.5, 9, 8.7 mm



0 dB = 6.526 V/m = 16.29 dB V/m

#02 HAC_E_CDMA2000 BC0_RC3+SO55_Ch384

DUT: 2N1414

Communication System: CDMA2000 (1xRTT, RC3); Frequency: 836.52 MHz; Duty Cycle: 1:2.49459

Medium: Air Medium parameters used: $\sigma = 0$ mho/m, $\epsilon_r = 1$; $\rho = 1000$ kg/m³

Ambient Temperature : 22.6 °C

DASY5 Configuration:

- Probe: ER3DV6 - SN2358; ConvF(1, 1, 1); Calibrated: 2012/6/21;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn778; Calibrated: 2012/8/27
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6477)

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 = 77.34 V/m; Power Drift = -0.21 dB

Applied MIF = -19.71 dB

RF audio interference level = 15.67 dB V/m

Emission category: M4

MIF scaled E-field

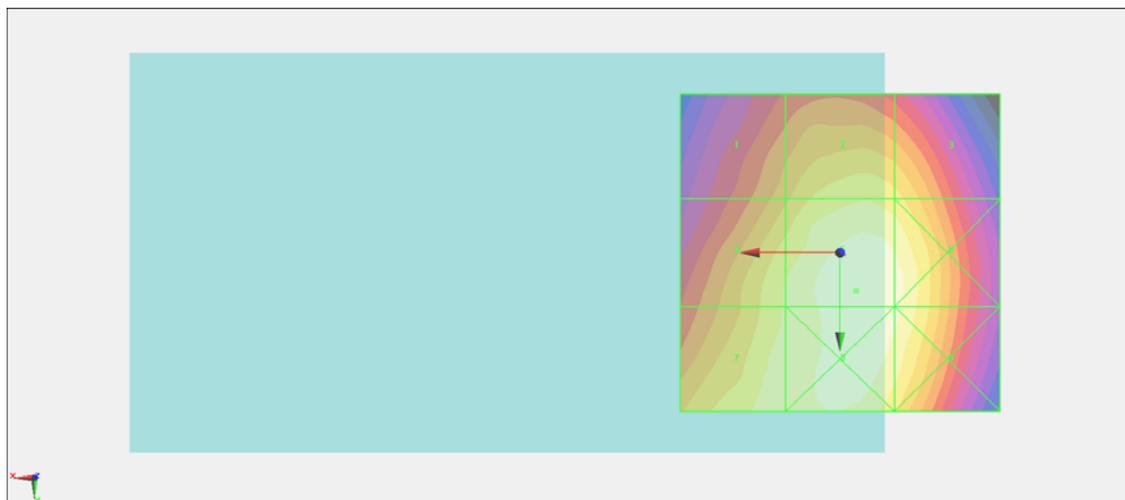
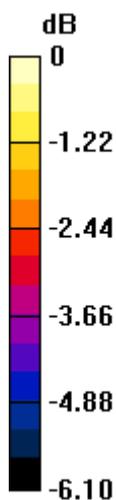
Grid 1 M4 13.96 dB V/m	Grid 2 M4 14.84 dB V/m	Grid 3 M4 14.62 dB V/m
Grid 4 M4 14.89 dB V/m	Grid 5 M4 15.67 dB V/m	Grid 6 M4 15.45 dB V/m
Grid 7 M4 15.18 dB V/m	Grid 8 M4 15.65 dB V/m	Grid 9 M4 15.39 dB V/m

Cursor:

Total = 15.67 dB V/m

E Category: M4

Location: -2.5, 6, 8.7 mm



0 dB = 6.072 V/m = 15.67 dB V/m

#03 HAC_E_CDMA2000 BC0_RC3+SO55_Ch777

DUT: 2N1414

Communication System: CDMA2000 (1xRTT, RC3); Frequency: 848.31 MHz; Duty Cycle: 1:2.49459

Medium: Air Medium parameters used: $\sigma = 0$ mho/m, $\epsilon_r = 1$; $\rho = 1000$ kg/m³

Ambient Temperature : 22.6 °C

DASY5 Configuration:

- Probe: ER3DV6 - SN2358; ConvF(1, 1, 1); Calibrated: 2012/6/21;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn778; Calibrated: 2012/8/27
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6477)

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 = 78.28 V/m; Power Drift = -0.09 dB

Applied MIF = -19.71 dB

RF audio interference level = 15.90 dB V/m

Emission category: M4

MIF scaled E-field

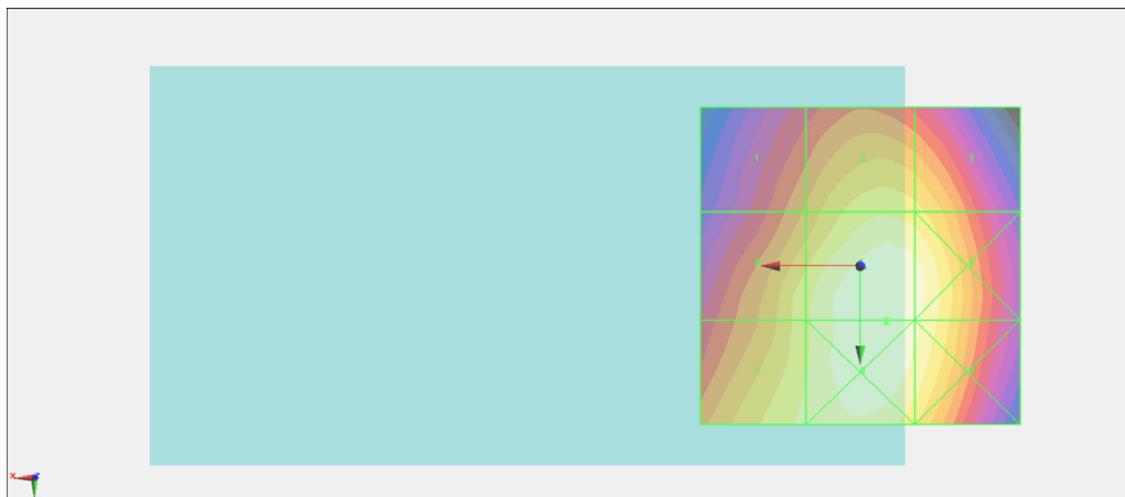
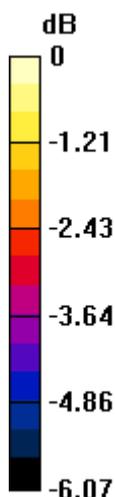
Grid 1 M4 13.97 dB V/m	Grid 2 M4 15.04 dB V/m	Grid 3 M4 14.88 dB V/m
Grid 4 M4 15.02 dB V/m	Grid 5 M4 15.9 dB V/m	Grid 6 M4 15.69 dB V/m
Grid 7 M4 15.22 dB V/m	Grid 8 M4 15.9 dB V/m	Grid 9 M4 15.63 dB V/m

Cursor:

Total = 15.90 dB V/m

E Category: M4

Location: -4, 9, 8.7 mm



0 dB = 6.241 V/m = 15.91 dB V/m

#04 HAC_E_CDMA2000 BC15_RC3+SO55_Ch25

DUT: 2N1414

Communication System: CDMA2000 (1xRTT, RC3); Frequency: 1711.25 MHz; Duty Cycle: 1:2.49459

Medium: Air Medium parameters used: $\sigma = 0$ mho/m, $\epsilon_r = 1$; $\rho = 1000$ kg/m³

Ambient Temperature : 22.6 °C

DASY5 Configuration:

- Probe: ER3DV6 - SN2358; ConvF(1, 1, 1); Calibrated: 2012/6/21;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn778; Calibrated: 2012/8/27
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6477)

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 = 28.98 V/m; Power Drift = 0.05 dB

Applied MIF = -19.71 dB

RF audio interference level = 11.55 dB V/m

Emission category: M4

MIF scaled E-field

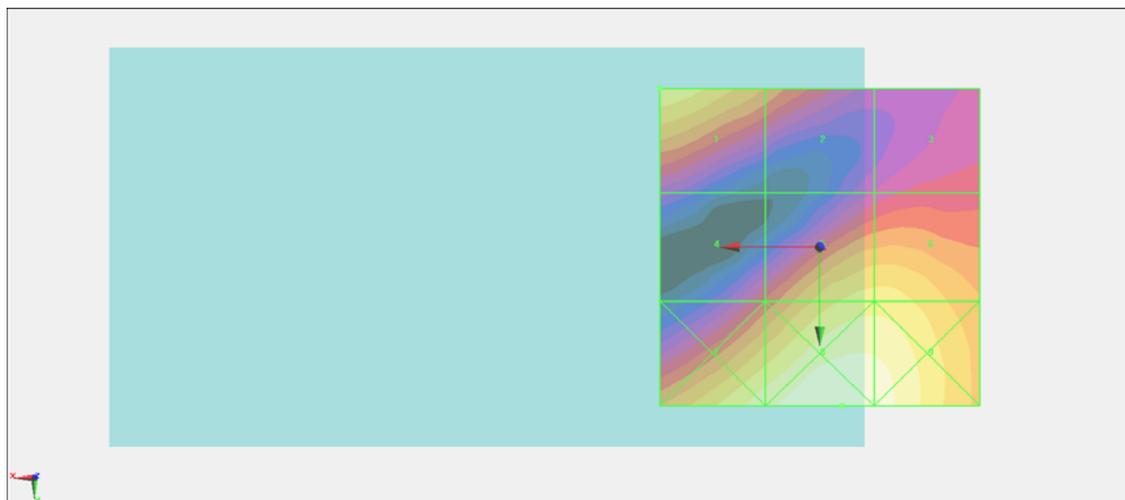
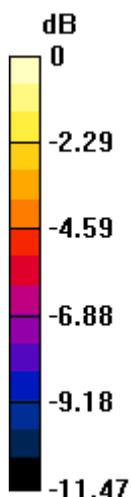
Grid 1 M4 11.55 dB V/m	Grid 2 M4 9.37 dB V/m	Grid 3 M4 7.6 dB V/m
Grid 4 M4 8.01 dB V/m	Grid 5 M4 11.32 dB V/m	Grid 6 M4 11.32 dB V/m
Grid 7 M4 12.24 dB V/m	Grid 8 M4 13.21 dB V/m	Grid 9 M4 12.91 dB V/m

Cursor:

Total = 13.21 dB V/m

E Category: M4

Location: -3.5, 25, 8.7 mm



0 dB = 4.579 V/m = 13.22 dB V/m

#05 HAC_E_CDMA2000 BC15_RC3+SO55_Ch425

DUT: 2N1414

Communication System: CDMA2000 (1xRTT, RC3); Frequency: 1731.25 MHz; Duty Cycle: 1:2.49459

Medium: Air Medium parameters used: $\sigma = 0$ mho/m, $\epsilon_r = 1$; $\rho = 1000$ kg/m³

Ambient Temperature : 22.6 °C

DASY5 Configuration:

- Probe: ER3DV6 - SN2358; ConvF(1, 1, 1); Calibrated: 2012/6/21;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn778; Calibrated: 2012/8/27
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6477)

Ch425/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 = 29.98 V/m; Power Drift = -0.09 dB

Applied MIF = -19.71 dB

RF audio interference level = 12.54 dB V/m

Emission category: M4

MIF scaled E-field

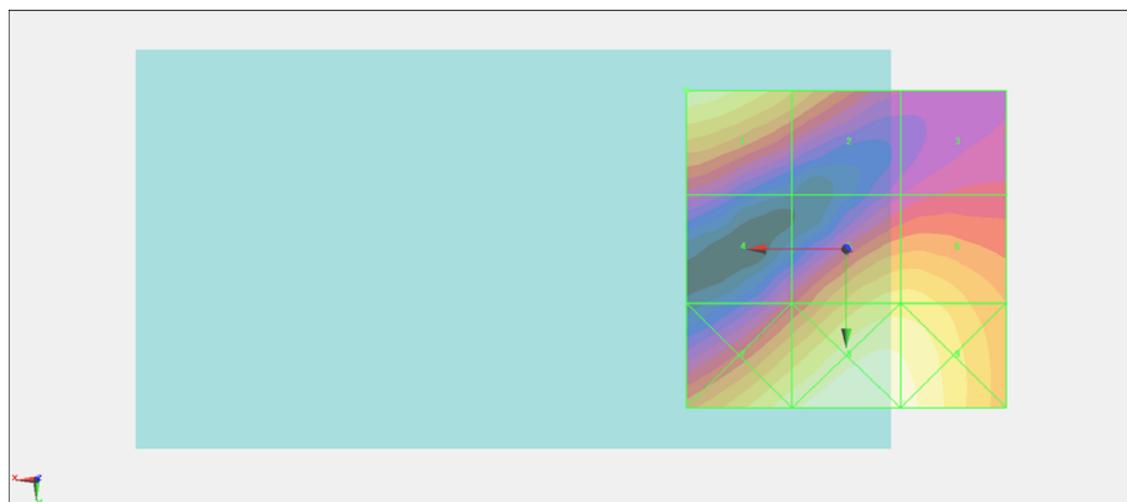
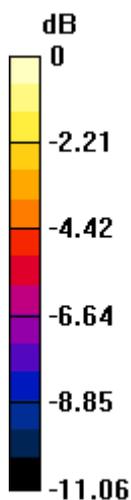
Grid 1 M4 12.54 dB V/m	Grid 2 M4 10.66 dB V/m	Grid 3 M4 7.88 dB V/m
Grid 4 M4 8.15 dB V/m	Grid 5 M4 11.67 dB V/m	Grid 6 M4 11.66 dB V/m
Grid 7 M4 12.56 dB V/m	Grid 8 M4 13.5 dB V/m	Grid 9 M4 13.13 dB V/m

Cursor:

Total = 12.54 dB V/m

E Category: M4

Location: 25, -25, 8.7 mm



0 dB = 4.732 V/m = 13.50 dB V/m

#06 HAC_E_CDMA2000 BC15_RC3+SO55_Ch875

DUT: 2N1414

Communication System: CDMA2000 (1xRTT, RC3); Frequency: 1753.75 MHz; Duty Cycle: 1:2.49459

Medium: Air Medium parameters used: $\sigma = 0$ mho/m, $\epsilon_r = 1$; $\rho = 1000$ kg/m³

Ambient Temperature : 22.6 °C

DASY5 Configuration:

- Probe: ER3DV6 - SN2358; ConvF(1, 1, 1); Calibrated: 2012/6/21;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn778; Calibrated: 2012/8/27
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6477)

Ch875/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 = 28.79 V/m; Power Drift = -0.06 dB

Applied MIF = -19.71 dB

RF audio interference level = 10.97 dB V/m

Emission category: M4

MIF scaled E-field

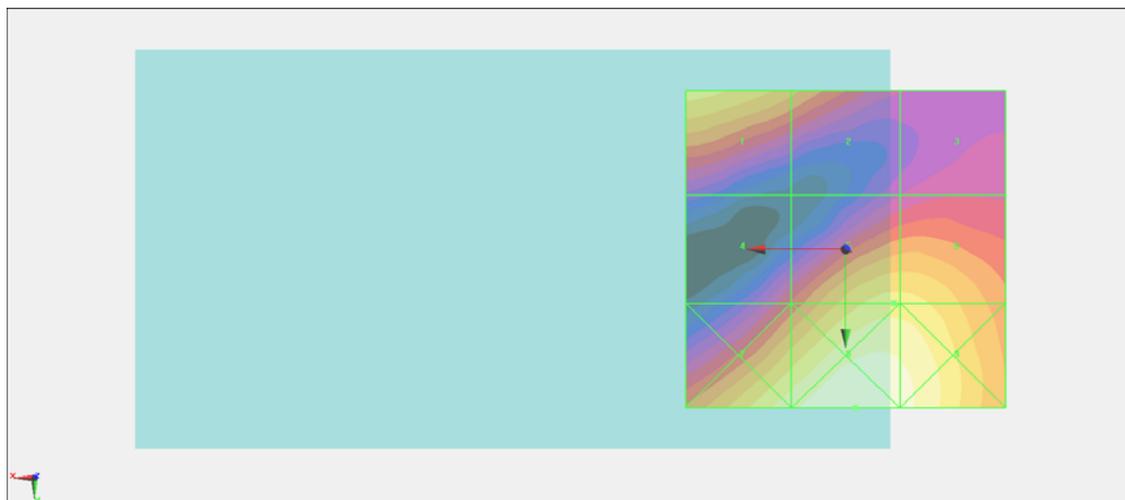
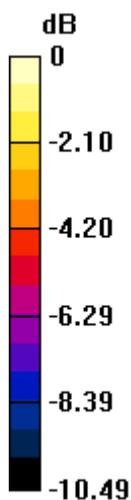
Grid 1 M4 10.94 dB V/m	Grid 2 M4 9.5 dB V/m	Grid 3 M4 7.14 dB V/m
Grid 4 M4 7.98 dB V/m	Grid 5 M4 10.97 dB V/m	Grid 6 M4 10.96 dB V/m
Grid 7 M4 11.85 dB V/m	Grid 8 M4 12.74 dB V/m	Grid 9 M4 12.33 dB V/m

Cursor:

Total = 12.74 dB V/m

E Category: M4

Location: -1.5, 25, 8.7 mm



0 dB = 4.334 V/m = 12.74 dB V/m

#07 HAC_E_CDMA2000 BC1_RC3+SO55_Ch25

DUT: 2N1414

Communication System: CDMA2000 (1xRTT, RC3); Frequency: 1851.25 MHz; Duty Cycle: 1:2.49459

Medium: Air Medium parameters used: $\sigma = 0$ mho/m, $\epsilon_r = 1$; $\rho = 1000$ kg/m³

Ambient Temperature : 22.6 °C

DASY5 Configuration:

- Probe: ER3DV6 - SN2358; ConvF(1, 1, 1); Calibrated: 2012/6/21;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn778; Calibrated: 2012/8/27
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6477)

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 = 29.80 V/m; Power Drift = 0.09 dB

Applied MIF = -19.71 dB

RF audio interference level = 11.27 dB V/m

Emission category: M4

MIF scaled E-field

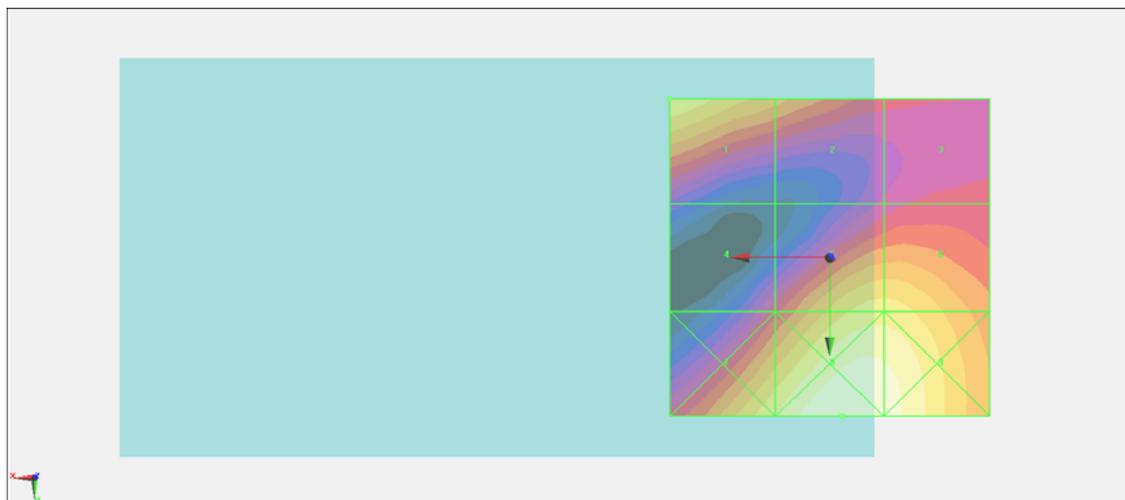
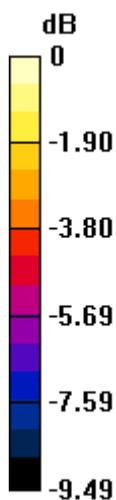
Grid 1 M4 11.27 dB V/m	Grid 2 M4 9.68 dB V/m	Grid 3 M4 7.86 dB V/m
Grid 4 M4 7.9 dB V/m	Grid 5 M4 10.98 dB V/m	Grid 6 M4 10.98 dB V/m
Grid 7 M4 11.32 dB V/m	Grid 8 M4 12.56 dB V/m	Grid 9 M4 12.27 dB V/m

Cursor:

Total = 12.56 dB V/m

E Category: M4

Location: -2, 25, 8.7 mm



0 dB = 4.245 V/m = 12.56 dB V/m

#08 HAC_E_CDMA2000 BC1_RC3+SO55_Ch600

DUT: 2N1414

Communication System: CDMA2000 (1xRTT, RC3); Frequency: 1880 MHz; Duty Cycle: 1:2.49459

Medium: Air Medium parameters used: $\sigma = 0$ mho/m, $\epsilon_r = 1$; $\rho = 1000$ kg/m³

Ambient Temperature : 22.6 °C

DASY5 Configuration:

- Probe: ER3DV6 - SN2358; ConvF(1, 1, 1); Calibrated: 2012/6/21;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn778; Calibrated: 2012/8/27
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6477)

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 = 30.79 V/m; Power Drift = 0.01 dB

Applied MIF = -19.71 dB

RF audio interference level = 11.54 dB V/m

Emission category: M4

MIF scaled E-field

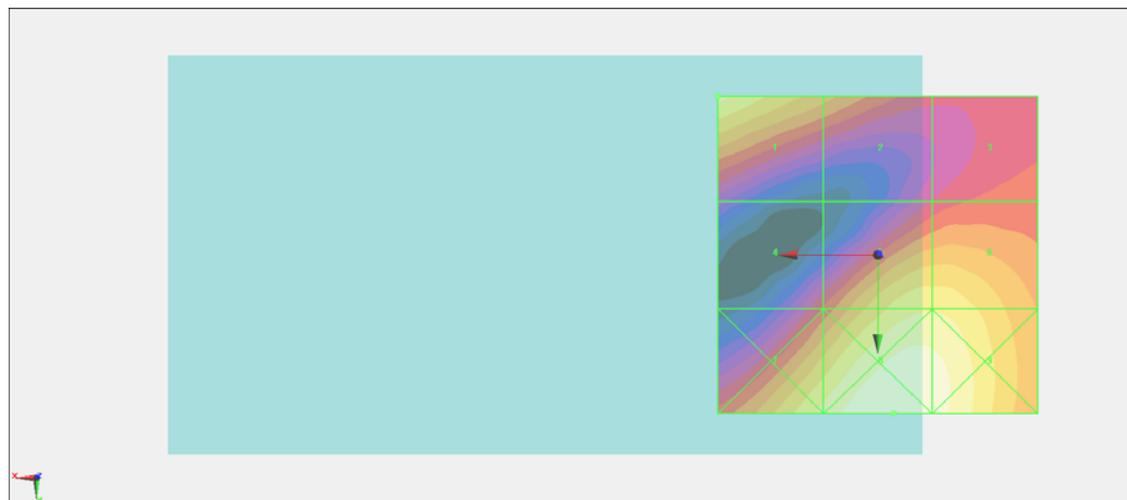
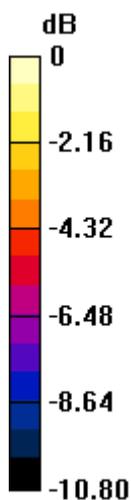
Grid 1 M4 11.54 dB V/m	Grid 2 M4 9.45 dB V/m	Grid 3 M4 8.04 dB V/m
Grid 4 M4 7.86 dB V/m	Grid 5 M4 11.24 dB V/m	Grid 6 M4 11.23 dB V/m
Grid 7 M4 11.55 dB V/m	Grid 8 M4 12.73 dB V/m	Grid 9 M4 12.39 dB V/m

Cursor:

Total = 12.73 dB V/m

E Category: M4

Location: -2.5, 25, 8.7 mm



0 dB = 4.330 V/m = 12.73 dB V/m

#09 HAC_E_CDMA2000 BC1_RC3+SO55_Ch1175

DUT: 2N1414

Communication System: CDMA2000 (1xRTT, RC3); Frequency: 1908.75 MHz; Duty Cycle: 1:2.49459

Medium: Air Medium parameters used: $\sigma = 0$ mho/m, $\epsilon_r = 1$; $\rho = 1000$ kg/m³

Ambient Temperature : 22.6 °C

DASY5 Configuration:

- Probe: ER3DV6 - SN2358; ConvF(1, 1, 1); Calibrated: 2012/6/21;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn778; Calibrated: 2012/8/27
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6477)

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 = 30.41 V/m; Power Drift = -0.01 dB

Applied MIF = -19.71 dB

RF audio interference level = 11.20 dB V/m

Emission category: M4

MIF scaled E-field

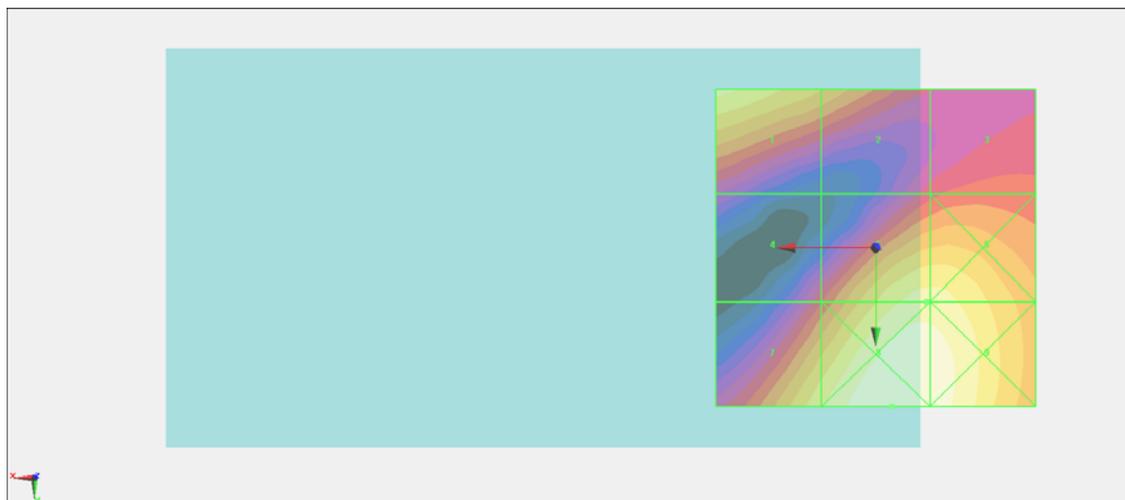
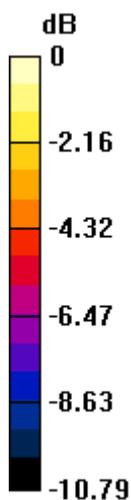
Grid 1 M4 11.13 dB V/m	Grid 2 M4 9.5 dB V/m	Grid 3 M4 7.69 dB V/m
Grid 4 M4 7.3 dB V/m	Grid 5 M4 11.2 dB V/m	Grid 6 M4 11.2 dB V/m
Grid 7 M4 10.79 dB V/m	Grid 8 M4 12.32 dB V/m	Grid 9 M4 12.12 dB V/m

Cursor:

Total = 12.32 dB V/m

E Category: M4

Location: -2.5, 25, 8.7 mm



0 dB = 4.131 V/m = 12.32 dB V/m