

**01 HAC RF\_CDMA2000 BC0\_RC1 SO3\_1-8 Rate\_Ch1013**

**DUT: 332103**

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,  $\epsilon_r = 1$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature : 23.1 °C

DASY5 Configuration:

- Probe: ER3DV6 - SN2476; ConvF(1, 1, 1); Calibrated: 2012-12-12;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1210; Calibrated: 2012-12-5
- 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)

**E Scan - ER3D: 15 mm from Probe Center to the Device/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 = 30.03 V/m; Power Drift = -0.03 dB

Applied MIF = 0.74 dB

RF audio interference level = 27.79 dBV/m

**Emission category: M4**

MIF scaled E-field

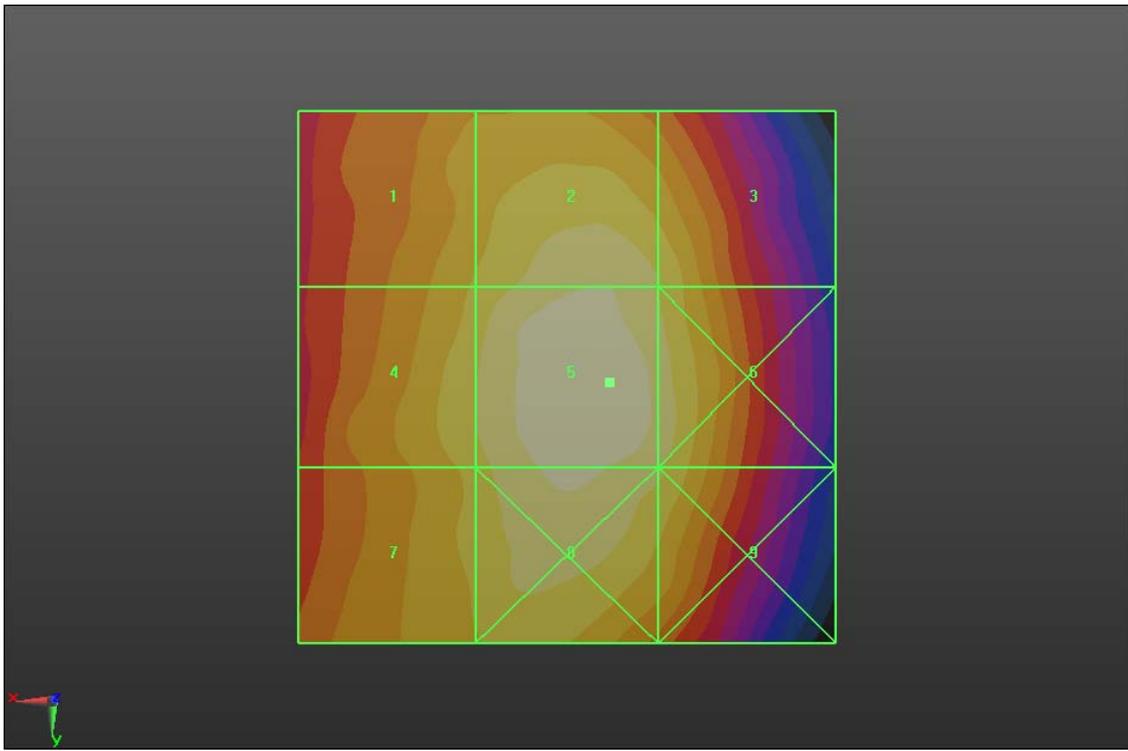
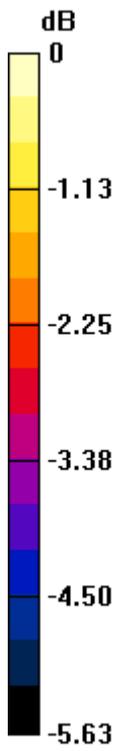
<b>Grid 1 M4</b> <b>26.73 dBV/m</b>	<b>Grid 2 M4</b> <b>27.43 dBV/m</b>	<b>Grid 3 M4</b> <b>27.06 dBV/m</b>
<b>Grid 4 M4</b> <b>27.06 dBV/m</b>	<b>Grid 5 M4</b> <b>27.79 dBV/m</b>	<b>Grid 6 M4</b> <b>27.33 dBV/m</b>
<b>Grid 7 M4</b> <b>26.86 dBV/m</b>	<b>Grid 8 M4</b> <b>27.51 dBV/m</b>	<b>Grid 9 M4</b> <b>27.12 dBV/m</b>

**Cursor:**

Total = 27.79 dBV/m

E Category: M4

Location: -4, 0.5, 8.7 mm



0 dB = 24.53 V/m = 27.79 dBV/m

**02 HAC RF\_E\_CDMA2000 BC0\_RC1 SO3\_1-8 Rate\_Ch384**

**DUT: 332103**

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,  $\epsilon_r = 1$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature : 23.1 °C

DASY5 Configuration:

- Probe: ER3DV6 - SN2476; ConvF(1, 1, 1); Calibrated: 2012-12-12;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1210; Calibrated: 2012-12-5
- 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)

**E Scan - ER3D: 15 mm from Probe Center to the Device 2/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 = 34.36 V/m; Power Drift = -0.09 dB

Applied MIF = 0.74 dB

RF audio interference level = 29.06 dBV/m

**Emission category: M4**

MIF scaled E-field

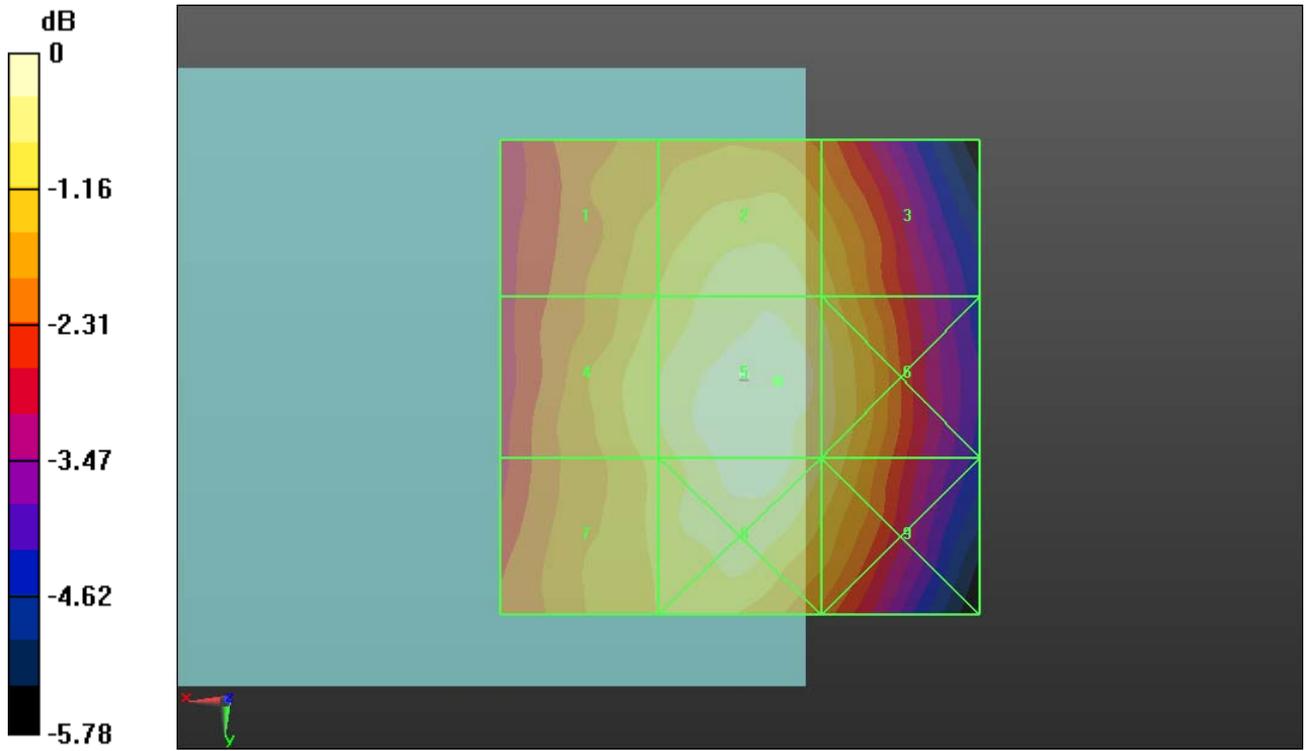
<b>Grid 1 M4</b> <b>27.94 dBV/m</b>	<b>Grid 2 M4</b> <b>28.64 dBV/m</b>	<b>Grid 3 M4</b> <b>28.17 dBV/m</b>
<b>Grid 4 M4</b> <b>28.31 dBV/m</b>	<b>Grid 5 M4</b> <b>29.06 dBV/m</b>	<b>Grid 6 M4</b> <b>28.53 dBV/m</b>
<b>Grid 7 M4</b> <b>28.09 dBV/m</b>	<b>Grid 8 M4</b> <b>28.89 dBV/m</b>	<b>Grid 9 M4</b> <b>28.34 dBV/m</b>

**Cursor:**

Total = 29.06 dBV/m

E Category: M4

Location: -4, 0.5, 8.7 mm



0 dB = 28.38 V/m = 29.06 dBV/m

**03 HAC RF\_E\_CDMA2000 BC0\_RC1 SO3\_1-8 Rate\_Ch777**

**DUT: 332103**

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,  $\epsilon_r = 1$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature : 23.3 °C

DASY5 Configuration:

- Probe: ER3DV6 - SN2476; ConvF(1, 1, 1); Calibrated: 2012-12-12;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1210; Calibrated: 2012-12-5
- 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)

**E Scan - ER3D: 15 mm from Probe Center to the Device 3/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 = 35.28 V/m; Power Drift = -0.11 dB

Applied MIF = 0.74 dB

RF audio interference level = 29.24 dBV/m

**Emission category: M4**

MIF scaled E-field

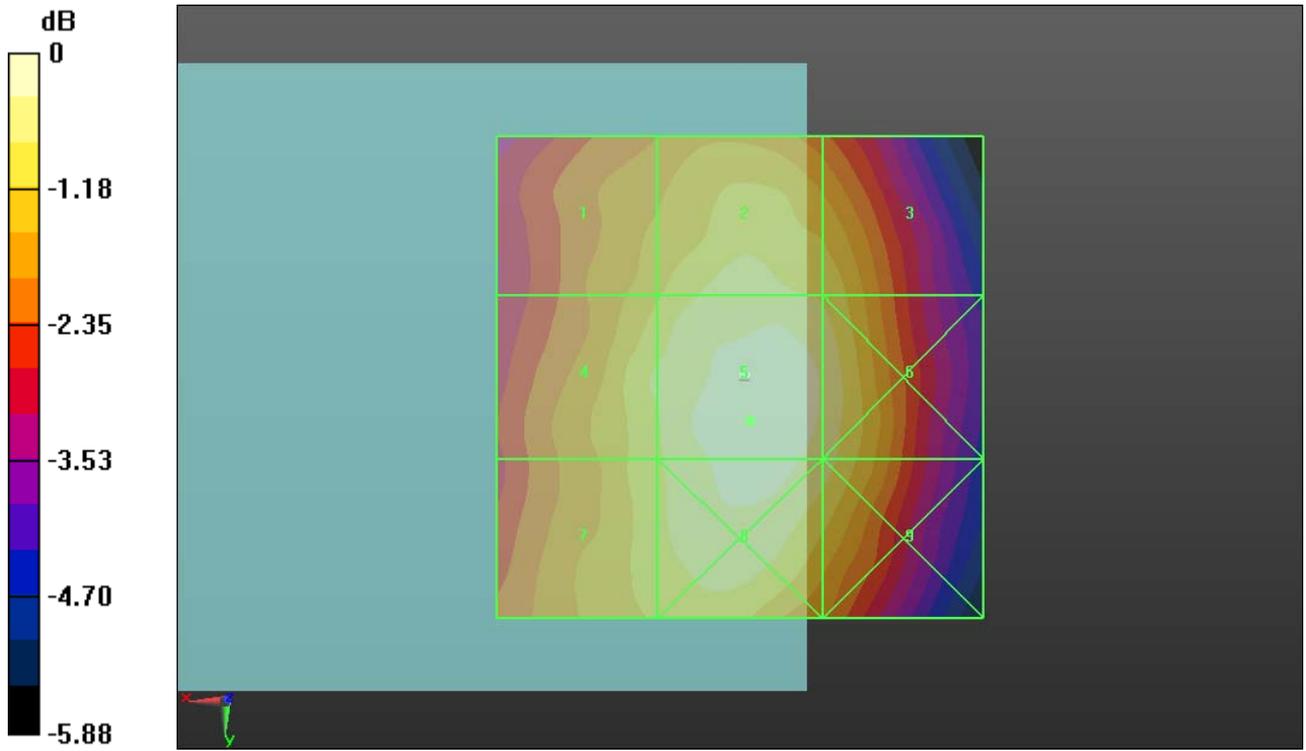
<b>Grid 1 M4</b> <b>28 dBV/m</b>	<b>Grid 2 M4</b> <b>28.67 dBV/m</b>	<b>Grid 3 M4</b> <b>28.41 dBV/m</b>
<b>Grid 4 M4</b> <b>28.52 dBV/m</b>	<b>Grid 5 M4</b> <b>29.24 dBV/m</b>	<b>Grid 6 M4</b> <b>28.8 dBV/m</b>
<b>Grid 7 M4</b> <b>28.4 dBV/m</b>	<b>Grid 8 M4</b> <b>29.08 dBV/m</b>	<b>Grid 9 M4</b> <b>28.65 dBV/m</b>

**Cursor:**

Total = 29.24 dBV/m

E Category: M4

Location: -1, 4.5, 8.7 mm



0 dB = 28.96 V/m = 29.24 dBV/m

**04 HAC RF\_E\_CDMA2000 BC1\_RC1 SO3\_1-8 Rate\_Ch25**

**DUT: 332103**

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,  $\epsilon_r = 1$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature : 23.1 °C

DASY5 Configuration:

- Probe: ER3DV6 - SN2476; ConvF(1, 1, 1); Calibrated: 2012-12-12;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1210; Calibrated: 2012-12-5
- 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)

**E Scan - ER3D: 15 mm from Probe Center to the Device 4/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 = 13.67 V/m; Power Drift = -0.12 dB

Applied MIF = 0.74 dB

RF audio interference level = 23.06 dBV/m

**Emission category: M4**

MIF scaled E-field

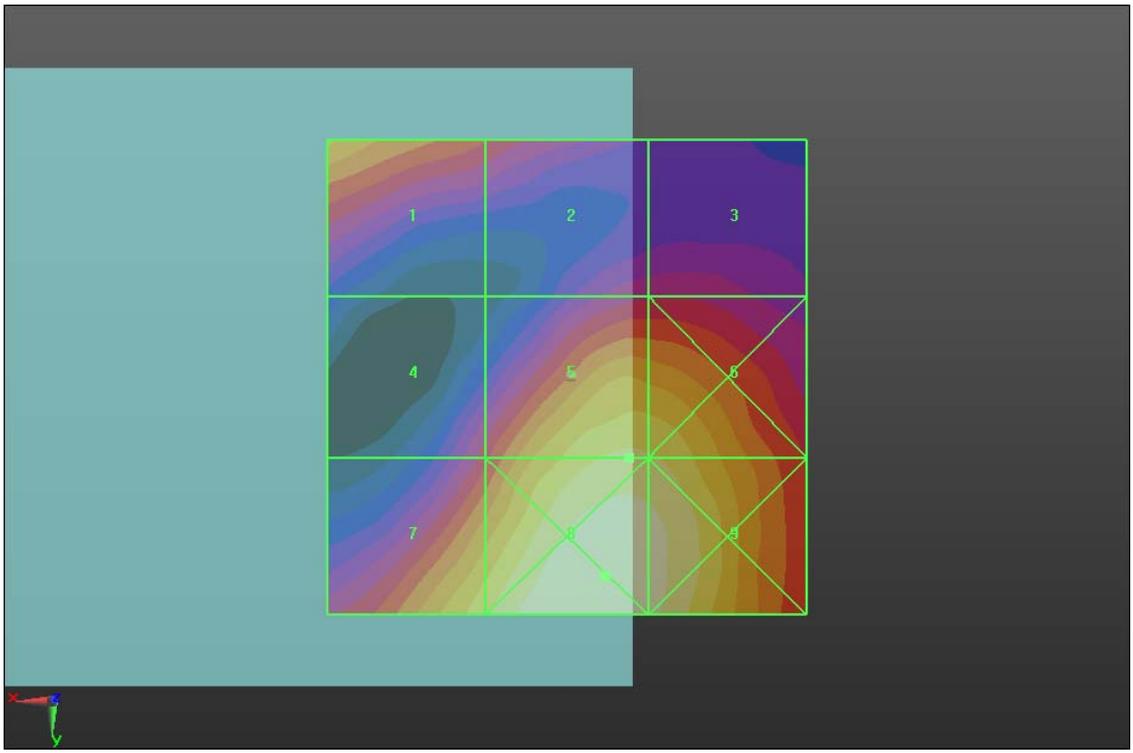
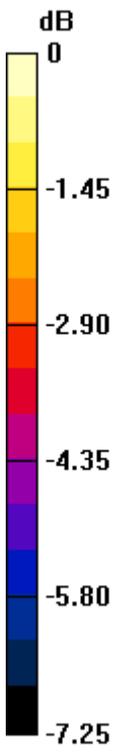
<b>Grid 1 M4</b> <b>22.12 dBV/m</b>	<b>Grid 2 M4</b> <b>20.61 dBV/m</b>	<b>Grid 3 M4</b> <b>20.01 dBV/m</b>
<b>Grid 4 M4</b> <b>20.38 dBV/m</b>	<b>Grid 5 M4</b> <b>23.06 dBV/m</b>	<b>Grid 6 M4</b> <b>23.01 dBV/m</b>
<b>Grid 7 M4</b> <b>22.86 dBV/m</b>	<b>Grid 8 M4</b> <b>23.91 dBV/m</b>	<b>Grid 9 M4</b> <b>23.65 dBV/m</b>

**Cursor:**

Total = 23.91 dBV/m

E Category: M4

Location: -4, 21, 8.7 mm



0 dB = 15.68 V/m = 23.91 dBV/m

**05 HAC RF\_E\_CDMA2000 BC1\_RC1 SO3\_1-8 Rate\_Ch600**

**DUT: 332103**

Communication System: CDMA2000 (1xRTT, RC1, 1/8 Rate); Frequency: 1880 MHz;Duty Cycle: 1:20

Medium: Air Medium parameters used:  $\sigma = 0$  S/m,  $\epsilon_r = 1$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature : 23.1 °C

DASY5 Configuration:

- Probe: ER3DV6 - SN2476; ConvF(1, 1, 1); Calibrated: 2012-12-12;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1210; Calibrated: 2012-12-5
- 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)

**E Scan - ER3D: 15 mm from Probe Center to the Device 5/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 = 15.00 V/m; Power Drift = 0.04 dB

Applied MIF = 0.74 dB

RF audio interference level = 24.02 dBV/m

**Emission category: M4**

MIF scaled E-field

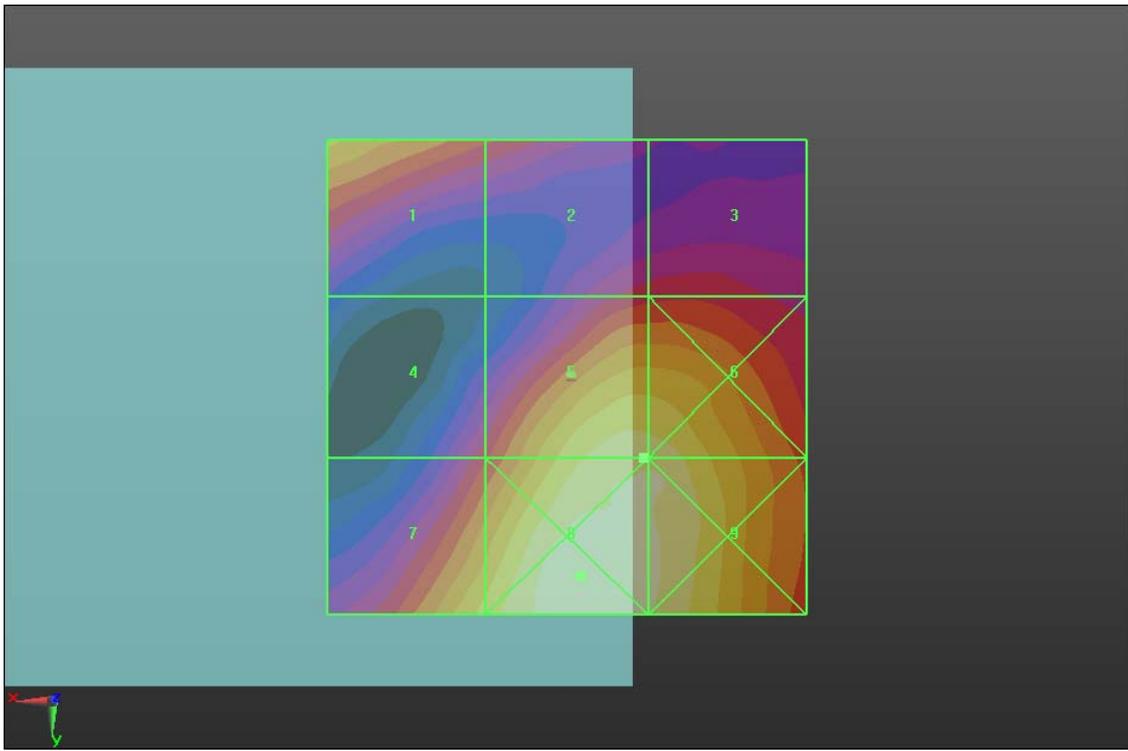
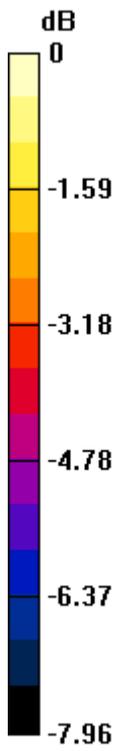
<b>Grid 1 M4</b> <b>22.77 dBV/m</b>	<b>Grid 2 M4</b> <b>21.13 dBV/m</b>	<b>Grid 3 M4</b> <b>20.92 dBV/m</b>
<b>Grid 4 M4</b> <b>20.9 dBV/m</b>	<b>Grid 5 M4</b> <b>24.02 dBV/m</b>	<b>Grid 6 M4</b> <b>24.02 dBV/m</b>
<b>Grid 7 M4</b> <b>23.34 dBV/m</b>	<b>Grid 8 M4</b> <b>24.69 dBV/m</b>	<b>Grid 9 M4</b> <b>24.3 dBV/m</b>

**Cursor:**

Total = 24.69 dBV/m

E Category: M4

Location: -1.5, 21, 8.7 mm



0 dB = 17.16 V/m = 24.69 dBV/m

**06 HAC RF\_E\_CDMA2000 BC1\_RC1 SO3\_1-8 Rate\_Ch1175**

**DUT: 332103**

Communication System: CDMA2000 (1xRTT, RC1, 1/8 Rate); Frequency: 1908.75 MHz; Duty Cycle: 1:20

Medium: Air Medium parameters used:  $\sigma = 0$  S/m,  $\epsilon_r = 1$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature : 23.1 °C

DASY5 Configuration:

- Probe: ER3DV6 - SN2476; ConvF(1, 1, 1); Calibrated: 2012-12-12;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1210; Calibrated: 2012-12-5
- 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)

**E Scan - ER3D: 15 mm from Probe Center to the Device 6/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 = 14.98 V/m; Power Drift = 0.02 dB

Applied MIF = 0.74 dB

RF audio interference level = 23.92 dBV/m

**Emission category: M4**

MIF scaled E-field

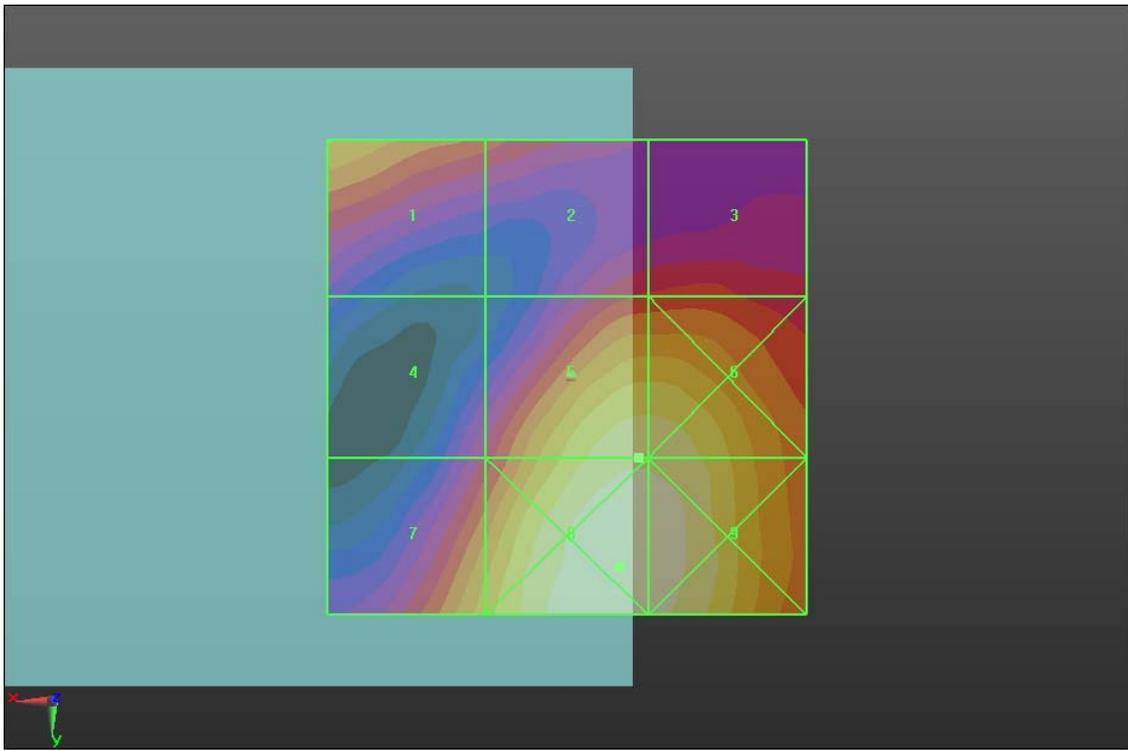
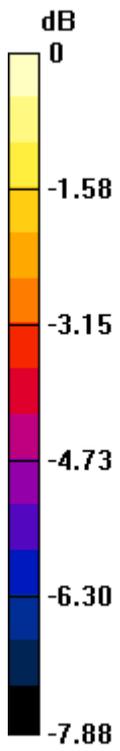
<b>Grid 1 M4</b> <b>22.51 dBV/m</b>	<b>Grid 2 M4</b> <b>21.22 dBV/m</b>	<b>Grid 3 M4</b> <b>21.11 dBV/m</b>
<b>Grid 4 M4</b> <b>20.52 dBV/m</b>	<b>Grid 5 M4</b> <b>23.92 dBV/m</b>	<b>Grid 6 M4</b> <b>23.9 dBV/m</b>
<b>Grid 7 M4</b> <b>22.76 dBV/m</b>	<b>Grid 8 M4</b> <b>24.52 dBV/m</b>	<b>Grid 9 M4</b> <b>24.43 dBV/m</b>

**Cursor:**

Total = 24.52 dBV/m

E Category: M4

Location: -5.5, 20, 8.7 mm



0 dB = 16.83 V/m = 24.52 dBV/m