

**#01 HAC\_E\_GSM850 Ch251****DUT: 850905-03**

Communication System: GSM850; Frequency: 848.8 MHz; Duty Cycle: 1:8.3

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

Ambient Temperature : 22.5

DASY5 Configuration:

- Probe: ER3DV6 - SN2358; ConvF(1, 1, 1); Calibrated: 2009/1/14
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn679; Calibrated: 2009/6/23
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY5, V5.0 Build 125; SEMCAD X Version 13.4 Build 125

**CH251/Hearing Aid Compatibility Test (101x101x1):** Measurement grid: dx=5mm, dy=5mm

Maximum value of peak Total field = 236.8 V/m

Probe Modulation Factor = 2.65

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 97.6 V/m; Power Drift = 0.016 dB

Test Arch Compensation is Applied.

**Hearing Aid Near-Field Category: M3 (AWF -5 dB)**

Peak E-field in V/m

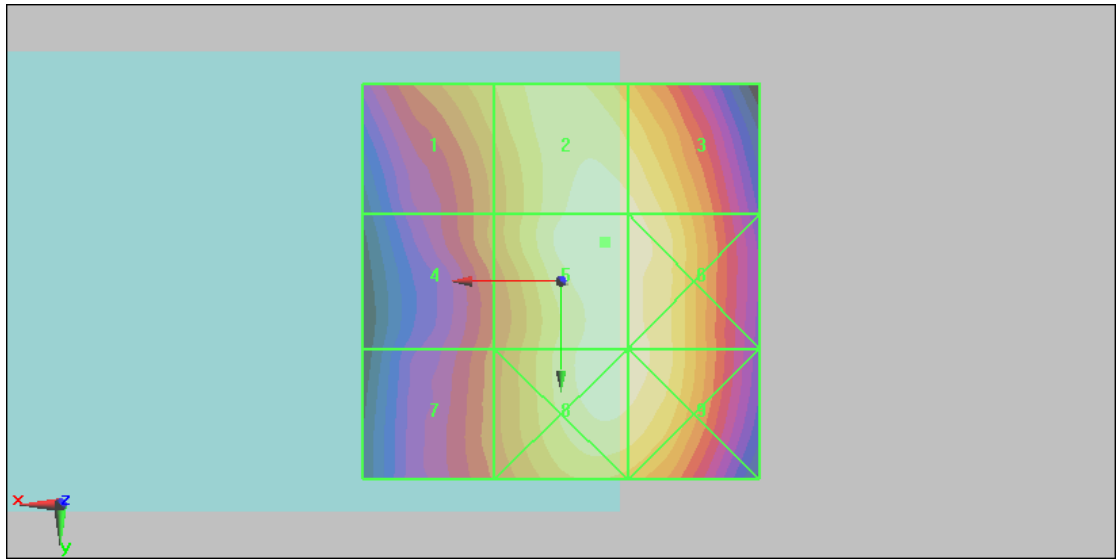
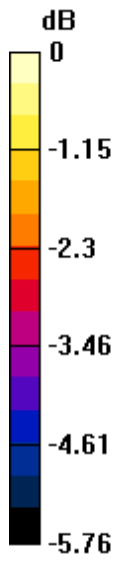
Grid 1 <b>207.3 M3</b>	Grid 2 <b>233.7 M3</b>	Grid 3 <b>230.7 M3</b>
Grid 4 <b>193.2 M3</b>	Grid 5 <b>236.8 M3</b>	Grid 6 <b>234.7 M3</b>
Grid 7 <b>187.0 M3</b>	Grid 8 <b>233.4 M3</b>	Grid 9 <b>232.7 M3</b>

**Cursor:**

Total = 236.8 V/m

E Category: M3

Location: -5.5, -5, 5.1 mm



0 dB = 236.8V/m

**#02 HAC\_E\_GSM1900 Ch512****DUT: 850905-03**

Communication System: PCS; Frequency: 1880 MHz; Duty Cycle: 1:8.3

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

Ambient Temperature : 22.4

DASY5 Configuration:

- Probe: ER3DV6 - SN2358; ConvF(1, 1, 1); Calibrated: 2009/1/14

- Sensor-Surface: (Fix Surface)

- Electronics: DAE4 Sn679; Calibrated: 2009/6/23

- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;

- Measurement SW: DASY5, V5.0 Build 125; SEMCAD X Version 13.4 Build 125

**CH512/Hearing Aid Compatibility Test (101x101x1):** Measurement grid: dx=5mm, dy=5mm

Maximum value of peak Total field = 78.4 V/m

Probe Modulation Factor = 2.7

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 18.6 V/m; Power Drift = -0.00967 dB

Test Arch Compensation is Applied.

**Hearing Aid Near-Field Category: M3 (AWF -5 dB)**

Peak E-field in V/m

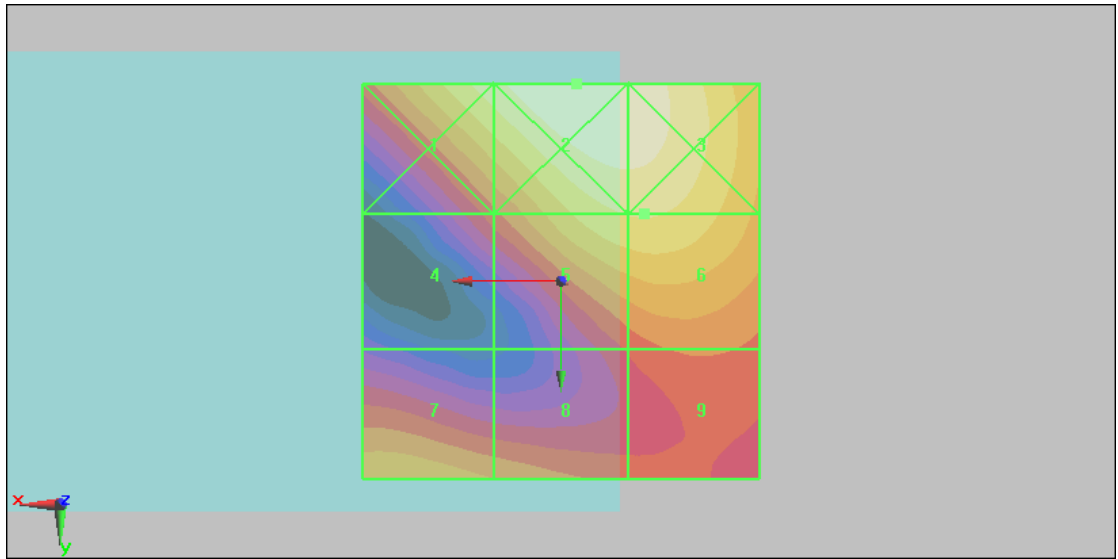
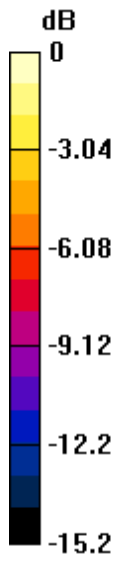
Grid 1	Grid 2	Grid 3
<b>84.5 M2</b>	<b>97.9 M2</b>	<b>94.5 M2</b>
Grid 4	Grid 5	Grid 6
<b>46.9 M4</b>	<b>77.9 M3</b>	<b>78.4 M3</b>
Grid 7	Grid 8	Grid 9
<b>61.6 M3</b>	<b>55.1 M3</b>	<b>49.7 M3</b>

**Cursor:**

Total = 97.9 V/m

E Category: M2

Location: -2, -25, 5.1 mm



0 dB = 97.9V/m

**#03 HAC\_E\_WCDMA V\_RMC12.2k\_Ch4182****DUT: 850905-03**

Communication System: WCDMA; Frequency: 836.4 MHz; Duty Cycle: 1:1  
 Medium: Air Medium parameters used:  $\sigma = 0$  mho/m,  $\epsilon_r = 1$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
 Ambient Temperature : 22.5

## DASY5 Configuration:

- Probe: ER3DV6 - SN2358; ConvF(1, 1, 1); Calibrated: 2009/1/14
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn679; Calibrated: 2009/6/23
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY5, V5.0 Build 125; SEMCAD X Version 13.4 Build 125

**CH4182/Hearing Aid Compatibility Test (101x101x1):** Measurement grid: dx=5mm, dy=5mm

Maximum value of peak Total field = 91.3 V/m

Probe Modulation Factor = 0.981

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 100.5 V/m; Power Drift = 0.032 dB

Test Arch Compensation is Applied.

**Hearing Aid Near-Field Category: M4 (AWF 0 dB)**

Peak E-field in V/m

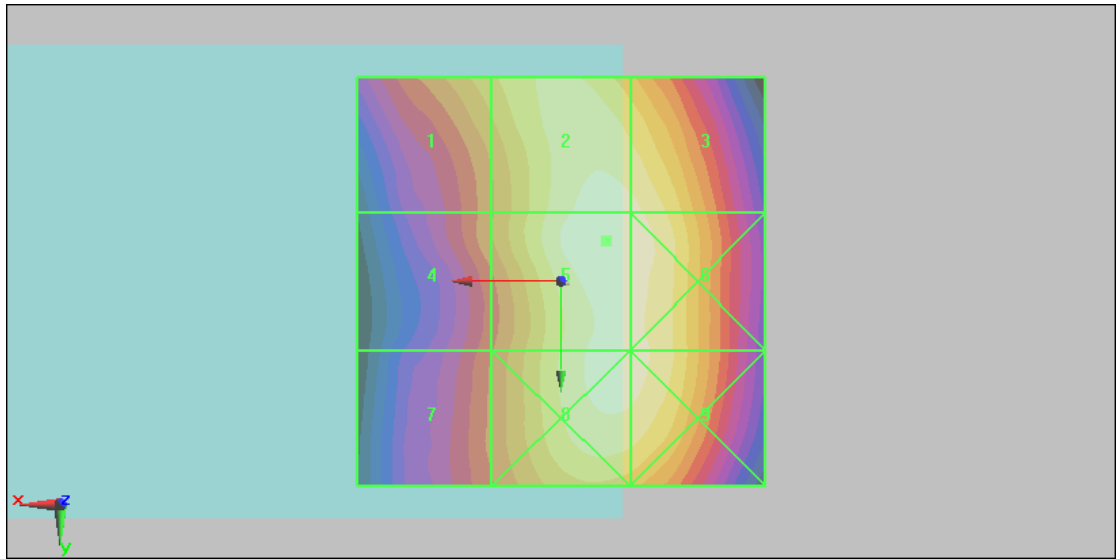
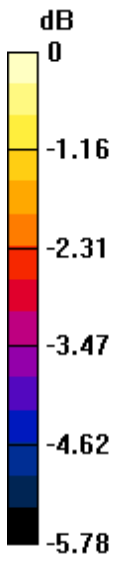
Grid 1 <b>79.2 M4</b>	Grid 2 <b>89.6 M4</b>	Grid 3 <b>88.8 M4</b>
Grid 4 <b>73.1 M4</b>	Grid 5 <b>91.3 M4</b>	Grid 6 <b>90.4 M4</b>
Grid 7 <b>71 M4</b>	Grid 8 <b>89.3 M4</b>	Grid 9 <b>89.2 M4</b>

**Cursor:**

Total = 91.3 V/m

E Category: M4

Location: -5.5, -5, 5.1 mm



0 dB = 91.3V/m

**#04 HAC\_E\_WCDMA II\_RMC12.2k\_Ch9262****DUT: 850905-03**

Communication System: WCDMA; Frequency: 1852.4 MHz; Duty Cycle: 1:1  
 Medium: Air Medium parameters used:  $\sigma = 0$  mho/m,  $\epsilon_r = 1$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
 Ambient Temperature : 22.4

## DASY5 Configuration:

- Probe: ER3DV6 - SN2358; ConvF(1, 1, 1); Calibrated: 2009/1/14
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn679; Calibrated: 2009/6/23
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY5, V5.0 Build 125; SEMCAD X Version 13.4 Build 125

**CH9262/Hearing Aid Compatibility Test (101x101x1):** Measurement grid: dx=5mm, dy=5mm

Maximum value of peak Total field = 36.2 V/m

Probe Modulation Factor = 0.977

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 25 V/m; Power Drift = -0.050 dB

Test Arch Compensation is Applied.

**Hearing Aid Near-Field Category: M4 (AWF 0 dB)**

Peak E-field in V/m

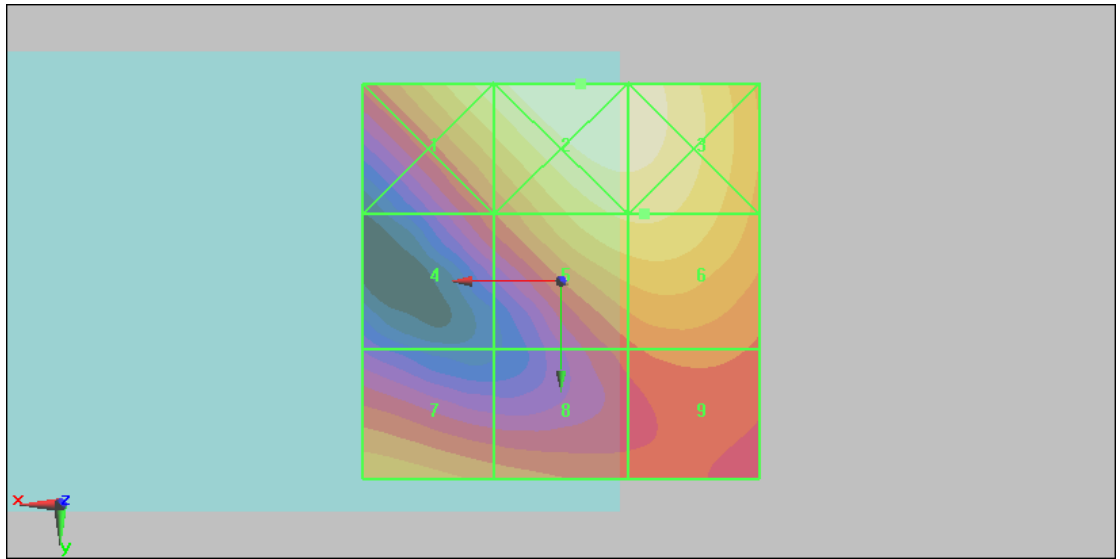
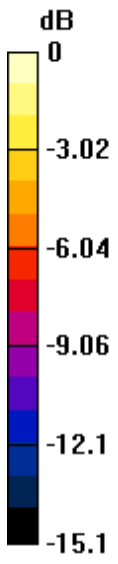
Grid 1 <b>38.2 M4</b>	Grid 2 <b>44.6 M4</b>	Grid 3 <b>42.9 M4</b>
Grid 4 <b>22 M4</b>	Grid 5 <b>36.1 M4</b>	Grid 6 <b>36.2 M4</b>
Grid 7 <b>28 M4</b>	Grid 8 <b>24.3 M4</b>	Grid 9 <b>23.5 M4</b>

**Cursor:**

Total = 44.6 V/m

E Category: M4

Location: -2.5, -25, 5.1 mm



0 dB = 44.6V/m



**#05 HAC\_H\_GSM850 CH251****DUT: 850905-03**

Communication System: GSM850; Frequency: 848.8 MHz; Duty Cycle: 1:8.3

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

Ambient Temperature : 22.5

## DASY5 Configuration:

- Probe: H3DV6 - SN6184; ; Calibrated: 2009/1/19

- Sensor-Surface: (Fix Surface)

- Electronics: DAE4 Sn679; Calibrated: 2009/6/23

- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;

- Measurement SW: DASY5, V5.0 Build 125; SEMCAD X Version 13.4 Build 125

**CH251/Hearing Aid Compatibility Test (101x101x1):** Measurement grid: dx=5mm, dy=5mm

Maximum value of peak Total field = 0.263 A/m

Probe Modulation Factor = 1.46

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 0.096 A/m; Power Drift = -0.097 dB

**Hearing Aid Near-Field Category: M4 (AWF -5 dB)**

Peak H-field in A/m

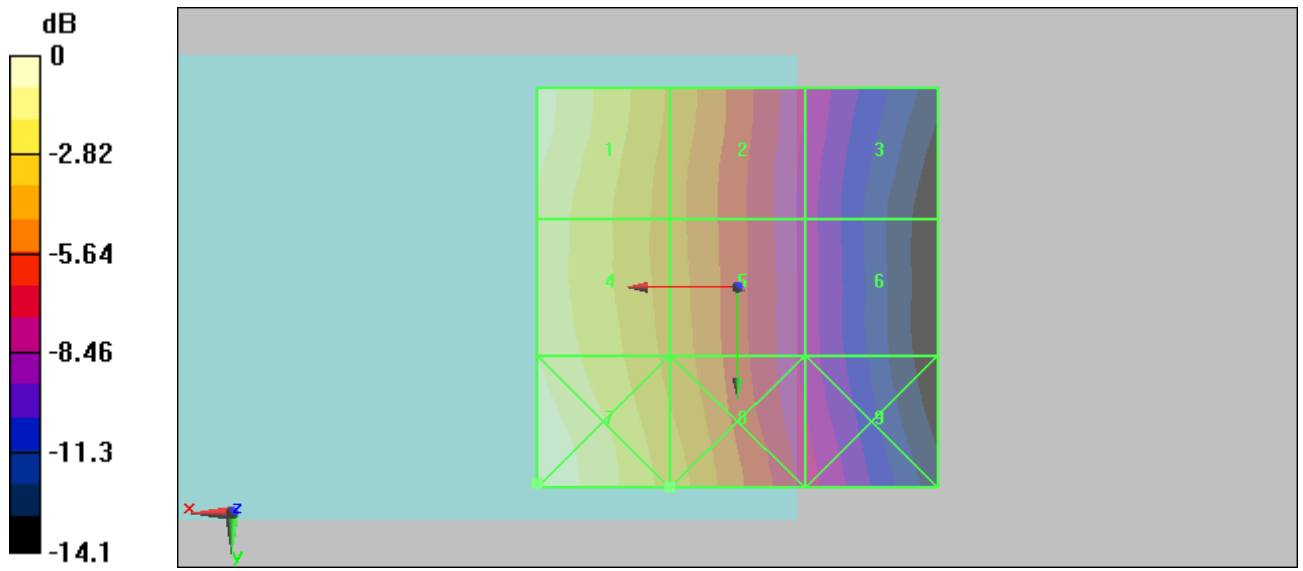
Grid 1 <b>0.263 M4</b>	Grid 2 <b>0.178 M4</b>	Grid 3 <b>0.105 M4</b>
Grid 4 <b>0.249 M4</b>	Grid 5 <b>0.175 M4</b>	Grid 6 <b>0.101 M4</b>
Grid 7 <b>0.277 M4</b>	Grid 8 <b>0.192 M4</b>	Grid 9 <b>0.112 M4</b>

**Cursor:**

Total = 0.277 A/m

H Category: M4

Location: 25, 24.5, 5.6 mm



0 dB = 0.277A/m

**#06 HAC\_H\_GSM1900 CH512****DUT: 850905-03**

Communication System: PCS; Frequency: 1850.2 MHz; Duty Cycle: 1:8.3

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

Ambient Temperature : 22.5

## DASY5 Configuration:

- Probe: H3DV6 - SN6184; ; Calibrated: 2009/1/19

- Sensor-Surface: (Fix Surface)

- Electronics: DAE4 Sn679; Calibrated: 2009/6/23

- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;

- Measurement SW: DASY5, V5.0 Build 125; SEMCAD X Version 13.4 Build 125

**CH512/Hearing Aid Compatibility Test (101x101x1):** Measurement grid: dx=5mm, dy=5mm

Maximum value of peak Total field = 0.092 A/m

Probe Modulation Factor = 1.28

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 0.068 A/m; Power Drift = -0.183 dB

**Hearing Aid Near-Field Category: M4 (AWF -5 dB)**

Peak H-field in A/m

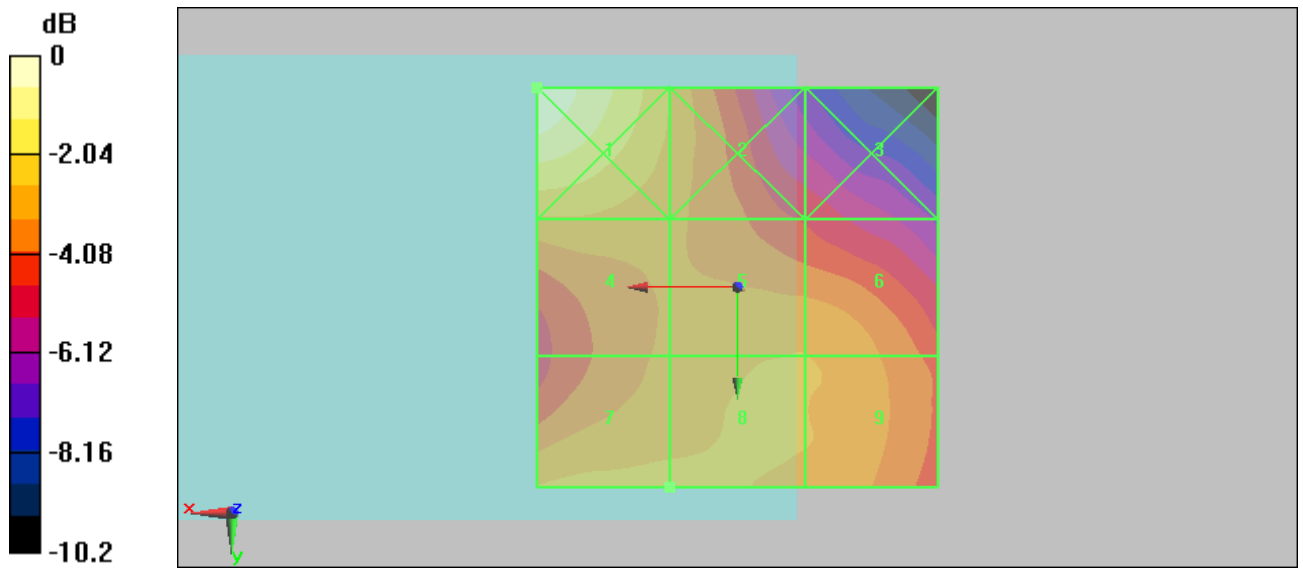
Grid 1 <b>0.123 M4</b>	Grid 2 <b>0.090 M4</b>	Grid 3 <b>0.071 M4</b>
Grid 4 <b>0.089 M4</b>	Grid 5 <b>0.090 M4</b>	Grid 6 <b>0.090 M4</b>
Grid 7 <b>0.092 M4</b>	Grid 8 <b>0.092 M4</b>	Grid 9 <b>0.091 M4</b>

**Cursor:**

Total = 0.123 A/m

H Category: M4

Location: 25, -25, 5.6 mm



0 dB = 0.123A/m

**#07 HAC\_H\_WCDMA V\_RMC12.2K\_CH4182****DUT: 850905-03**

Communication System: WCDMA; Frequency: 836.4 MHz; Duty Cycle: 1:1

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

Ambient Temperature : 22.6

## DASY5 Configuration:

- Probe: H3DV6 - SN6184; ; Calibrated: 2009/1/19

- Sensor-Surface: (Fix Surface)

- Electronics: DAE4 Sn679; Calibrated: 2009/6/23

- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;

- Measurement SW: DASY5, V5.0 Build 125; SEMCAD X Version 13.4 Build 125

**CH4182/Hearing Aid Compatibility Test (101x101x1):** Measurement grid: dx=5mm, dy=5mm

Maximum value of peak Total field = 0.145 A/m

Probe Modulation Factor = 0.828

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 0.097 A/m; Power Drift = -0.116 dB

**Hearing Aid Near-Field Category: M4 (AWF 0 dB)**

Peak H-field in A/m

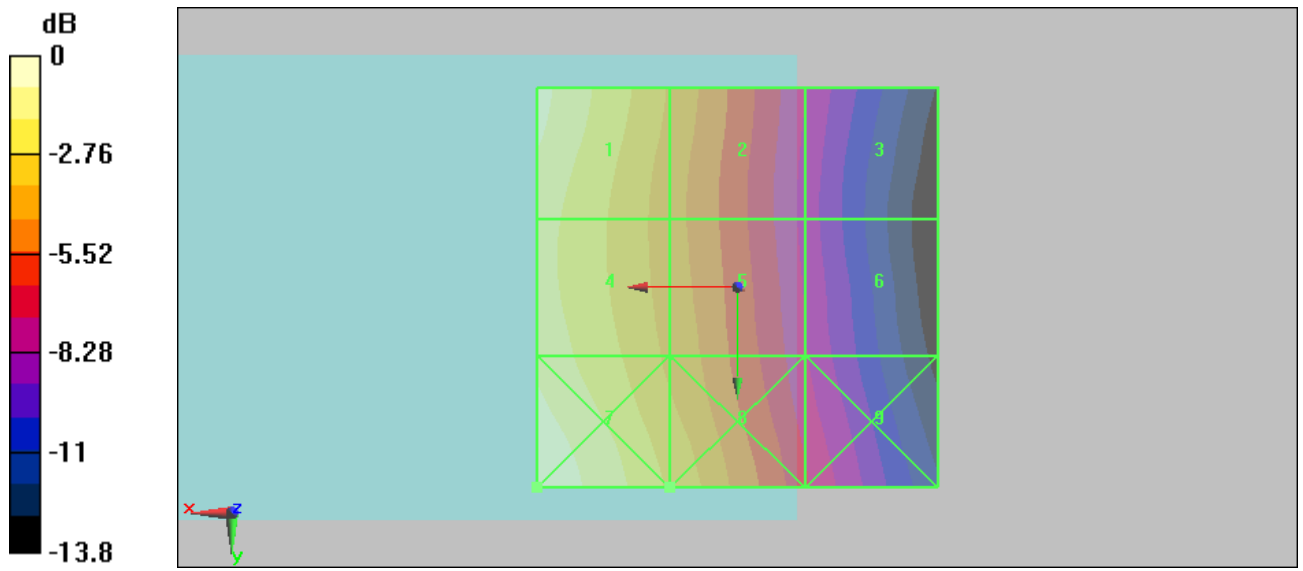
Grid 1 <b>0.145 M4</b>	Grid 2 <b>0.100 M4</b>	Grid 3 <b>0.060 M4</b>
Grid 4 <b>0.135 M4</b>	Grid 5 <b>0.099 M4</b>	Grid 6 <b>0.060 M4</b>
Grid 7 <b>0.154 M4</b>	Grid 8 <b>0.111 M4</b>	Grid 9 <b>0.067 M4</b>

**Cursor:**

Total = 0.154 A/m

H Category: M4

Location: 25, 25, 5.6 mm



0 dB = 0.154A/m

**#08 HAC\_H\_WCDMA II\_RMC12.2K\_CH9262****DUT: 850905-03**

Communication System: WCDMA; Frequency: 1852.4 MHz; Duty Cycle: 1:1

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

Ambient Temperature : 22.5

## DASY5 Configuration:

- Probe: H3DV6 - SN6184; ; Calibrated: 2009/1/19

- Sensor-Surface: (Fix Surface)

- Electronics: DAE4 Sn679; Calibrated: 2009/6/23

- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;

- Measurement SW: DASY5, V5.0 Build 125; SEMCAD X Version 13.4 Build 125

**CH9262/Hearing Aid Compatibility Test (101x101x1):** Measurement grid: dx=5mm, dy=5mm

Maximum value of peak Total field = 0.047 A/m

Probe Modulation Factor = 0.524

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 0.084 A/m; Power Drift = -0.215 dB

**Hearing Aid Near-Field Category: M4 (AWF 0 dB)**

Peak H-field in A/m

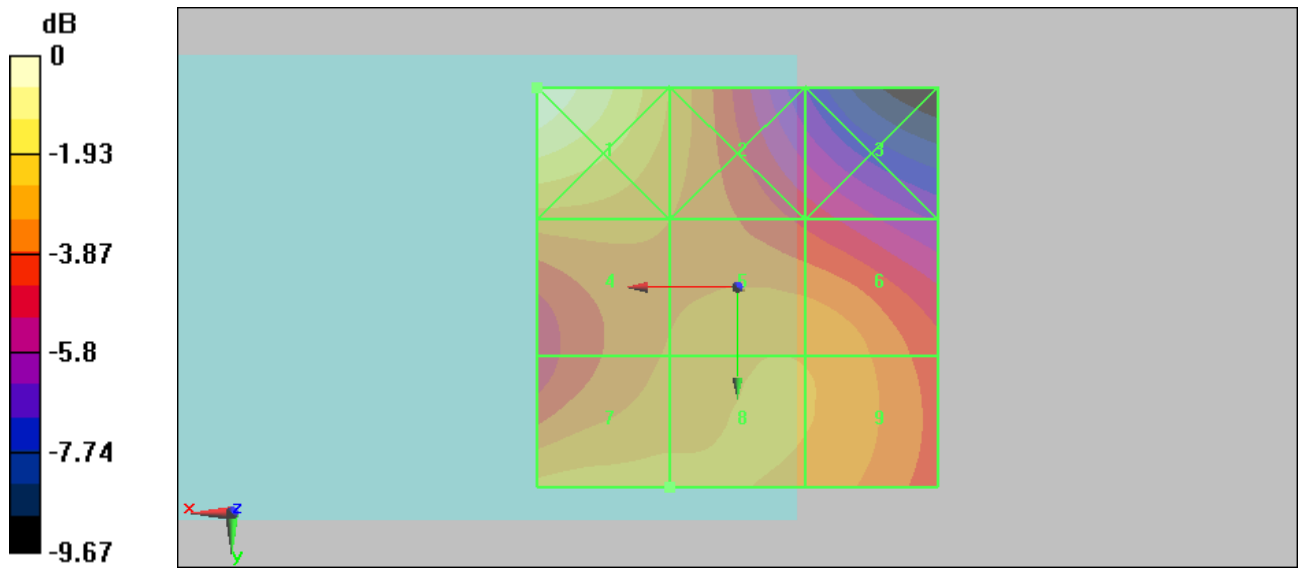
Grid 1 <b>0.061 M4</b>	Grid 2 <b>0.045 M4</b>	Grid 3 <b>0.036 M4</b>
Grid 4 <b>0.044 M4</b>	Grid 5 <b>0.045 M4</b>	Grid 6 <b>0.045 M4</b>
Grid 7 <b>0.047 M4</b>	Grid 8 <b>0.046 M4</b>	Grid 9 <b>0.046 M4</b>

**Cursor:**

Total = 0.061 A/m

H Category: M4

Location: 25, -25, 5.6 mm



0 dB = 0.061A/m