

**#04 HAC\_E\_GSM850 Ch128****DUT: 971509-01**

Communication System: GSM850; Frequency: 824.2 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

**CH128/Hearing Aid Compatibility Test (101x101x1):** Measurement grid: dx=5mm, dy=5mm

Maximum value of peak Total field = 205.6 V/m

Probe Modulation Factor = 2.65

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 99.5 V/m; Power Drift = 0.065 dB

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

Peak E-field in V/m

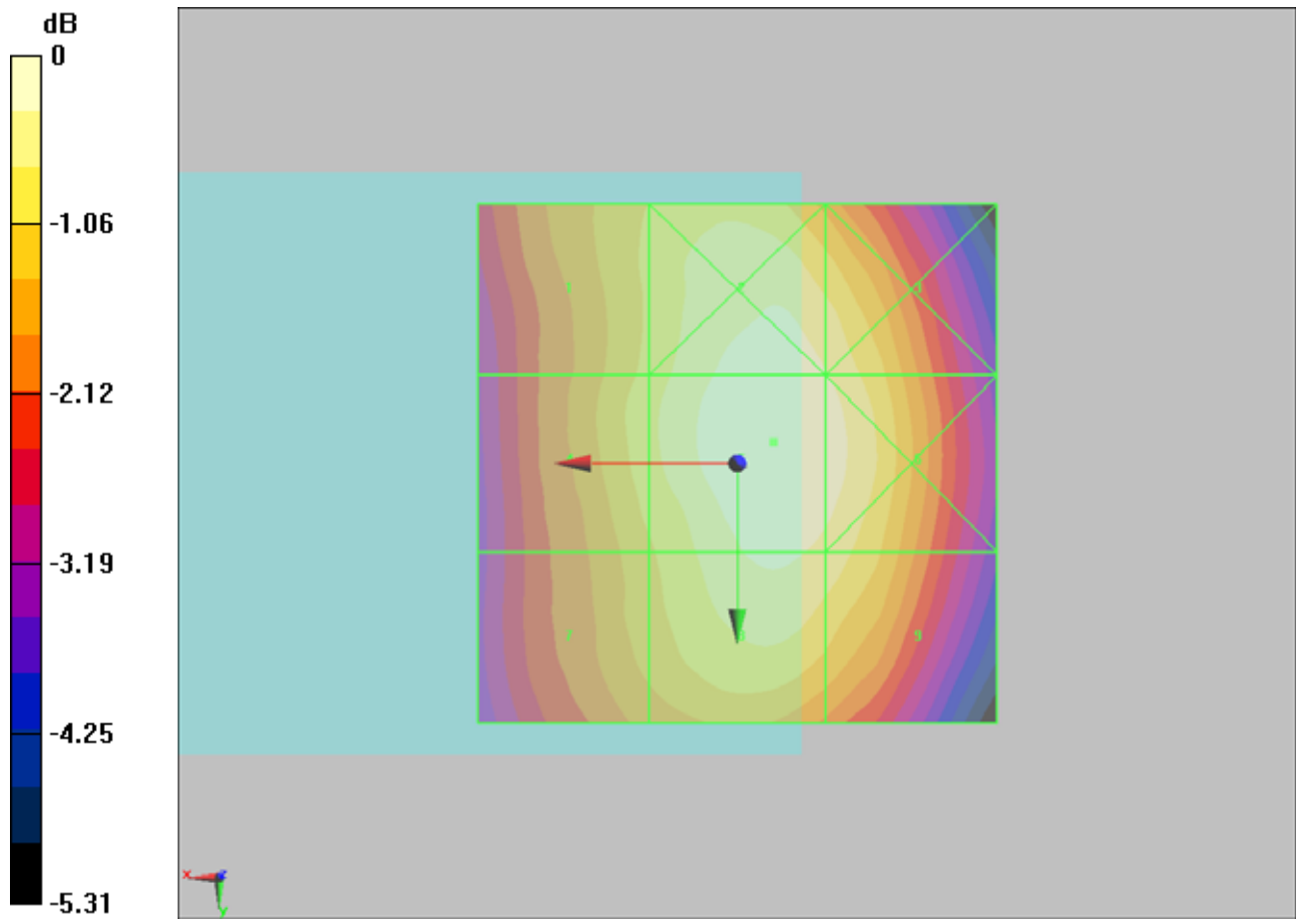
Grid 1 <b>184.9 M3</b>	Grid 2 <b>202.8 M3</b>	Grid 3 <b>197.9 M3</b>
Grid 4 <b>187.5 M3</b>	Grid 5 <b>205.6 M3</b>	Grid 6 <b>202.0 M3</b>
Grid 7 <b>180.8 M3</b>	Grid 8 <b>199.0 M3</b>	Grid 9 <b>195.1 M3</b>

**Cursor:**

Total = 205.6 V/m

E Category: M3

Location: -3.5, -2, 8.7 mm



0 dB = 205.6V/m

**#05 HAC\_E\_GSM850 Ch189****DUT: 971509-01**

Communication System: GSM850; Frequency: 836.4 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

**CH189/Hearing Aid Compatibility Test (101x101x1):** Measurement grid: dx=5mm, dy=5mm

Maximum value of peak Total field = 197.6 V/m

Probe Modulation Factor = 2.65

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 95.8 V/m; Power Drift = -0.040 dB

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

Peak E-field in V/m

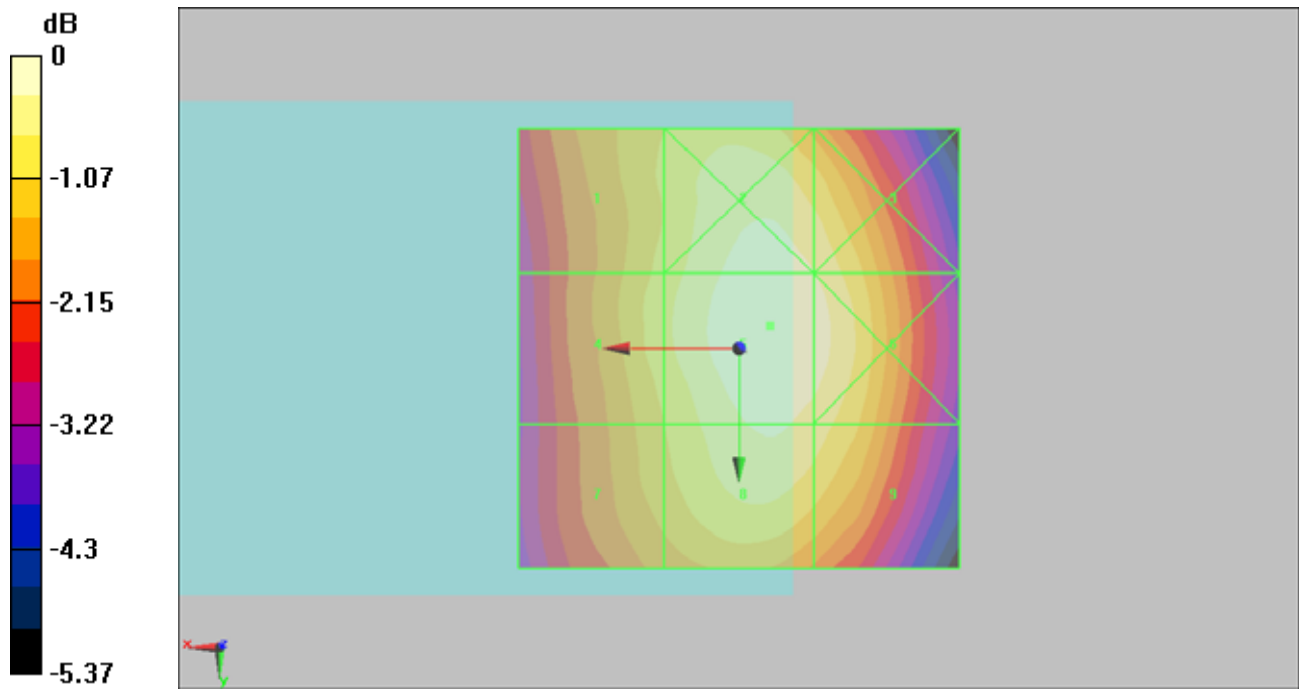
Grid 1 <b>177.8 M3</b>	Grid 2 <b>194.3 M3</b>	Grid 3 <b>189.9 M3</b>
Grid 4 <b>180.0 M3</b>	Grid 5 <b>197.6 M3</b>	Grid 6 <b>193.8 M3</b>
Grid 7 <b>174.7 M3</b>	Grid 8 <b>190.8 M3</b>	Grid 9 <b>186.5 M3</b>

**Cursor:**

Total = 197.6 V/m

E Category: M3

Location: -3.5, -2.5, 8.7 mm



0 dB = 197.6V/m

**#06 HAC\_E\_GSM850 Ch251****DUT: 971509-01**

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 : 22.4

## 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

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

Maximum value of peak Total field = 209.1 V/m

Probe Modulation Factor = 2.65

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 100.9 V/m; Power Drift = 0.055 dB

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

Peak E-field in V/m

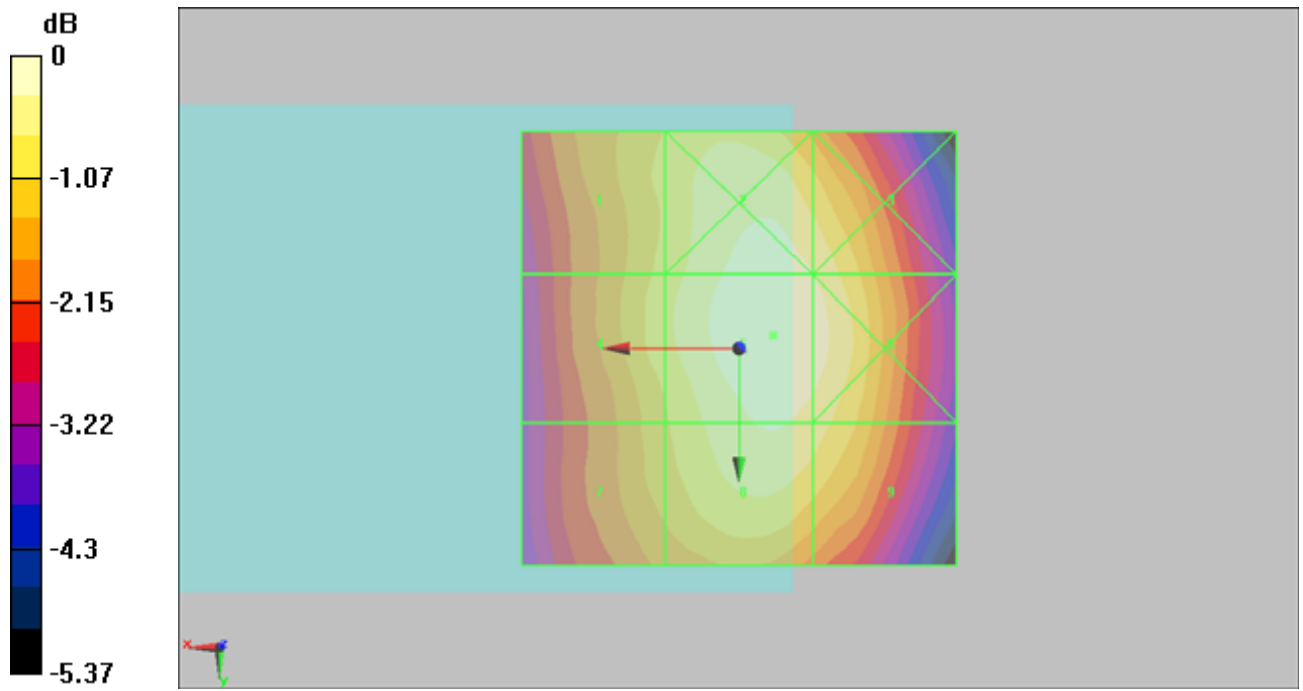
Grid 1 <b>188.2 M3</b>	Grid 2 <b>205.7 M3</b>	Grid 3 <b>200.9 M3</b>
Grid 4 <b>190.6 M3</b>	Grid 5 <b>209.1 M3</b>	Grid 6 <b>205.1 M3</b>
Grid 7 <b>183.9 M3</b>	Grid 8 <b>201.5 M3</b>	Grid 9 <b>197.2 M3</b>

**Cursor:**

Total = 209.1 V/m

E Category: M3

Location: -4, -1.5, 8.7 mm



0 dB = 209.1V/m

**#01 HAC\_E\_GSM1900 Ch512**

**DUT: 971509-01**

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

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

**Ch512/Hearing Aid Compatibility Test (101x101x1):** Measurement grid: dx=5mm, dy=5mm

Maximum value of peak Total field = 66.8 V/m

Probe Modulation Factor = 2.67

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 16.2 V/m; Power Drift = 0.010 dB

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

Peak E-field in V/m

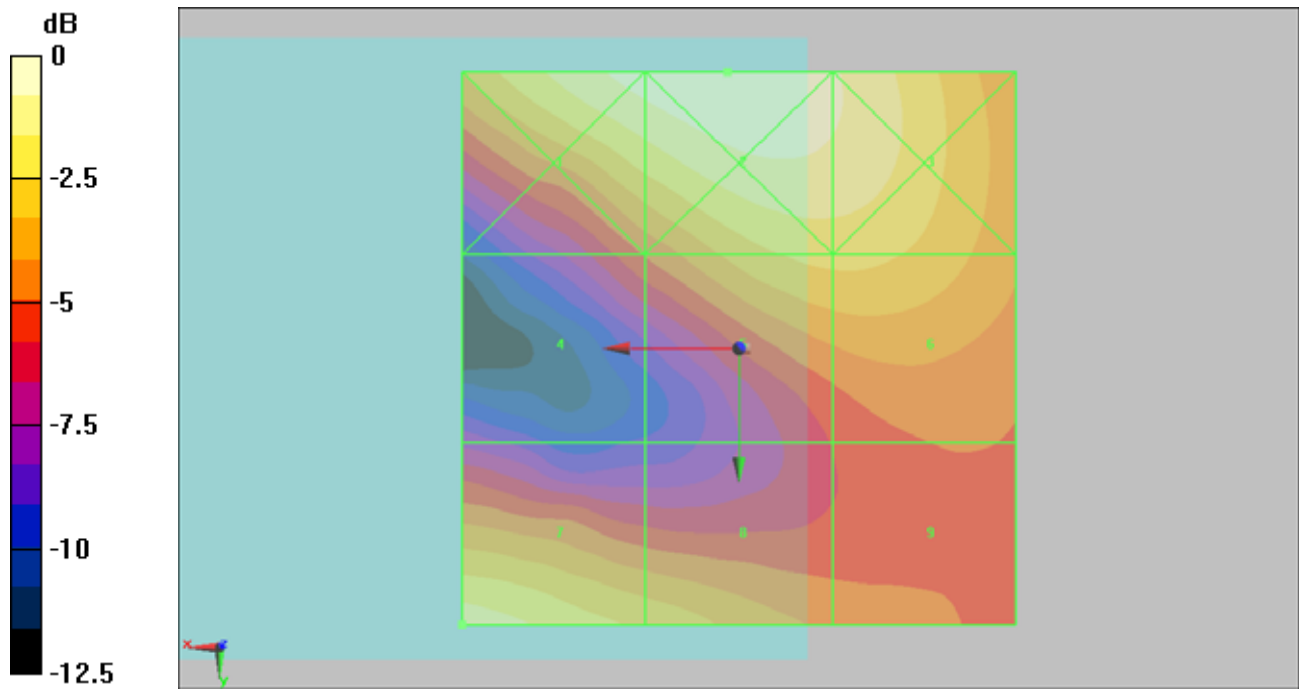
Grid 1 <b>72.5 M3</b>	Grid 2 <b>76 M3</b>	Grid 3 <b>70 M3</b>
Grid 4 <b>43.2 M4</b>	Grid 5 <b>58.8 M3</b>	Grid 6 <b>58.8 M3</b>
Grid 7 <b>66.8 M3</b>	Grid 8 <b>56.1 M3</b>	Grid 9 <b>45.8 M4</b>

**Cursor:**

Total = 76 V/m

E Category: M3

Location: 1, -25, 8.7 mm



0 dB = 76V/m



**#02 HAC\_E\_GSM1900 Ch661**

**DUT: 971509-01**

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 : 22.5

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

**Ch661/Hearing Aid Compatibility Test (101x101x1):** Measurement grid: dx=5mm, dy=5mm

Maximum value of peak Total field = 70.1 V/m

Probe Modulation Factor = 2.67

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 13.1 V/m; Power Drift = 0.053 dB

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

Peak E-field in V/m

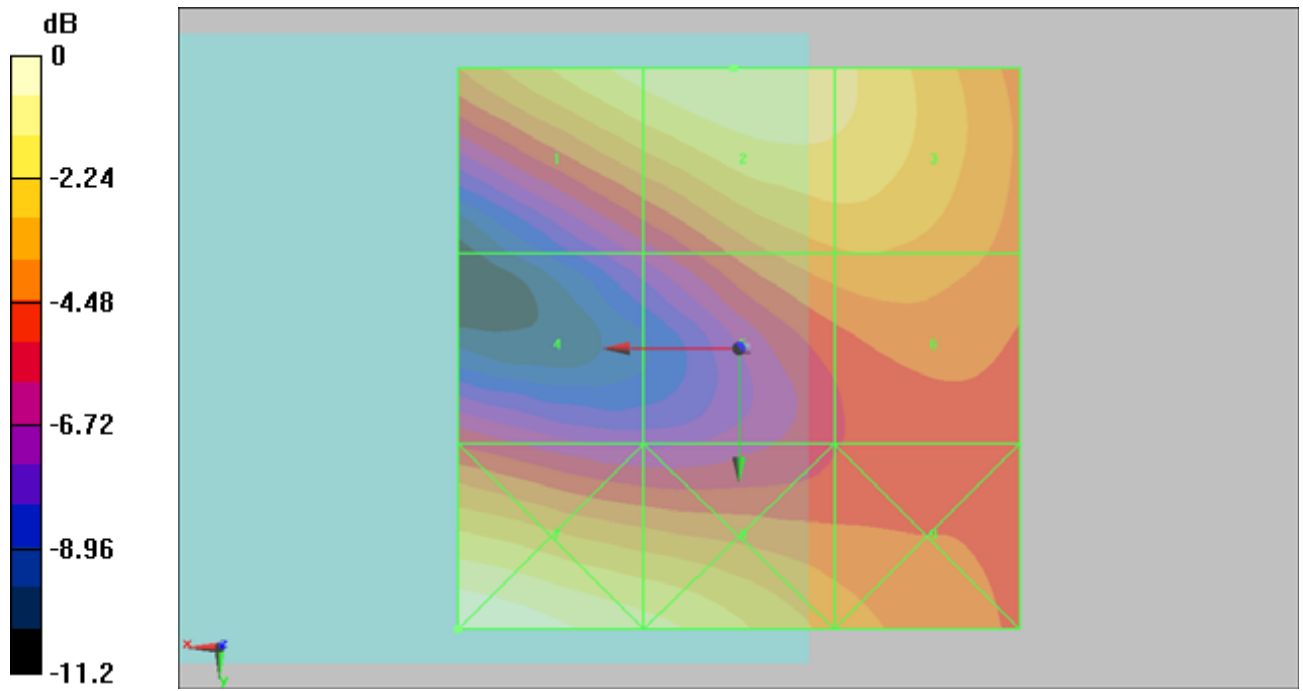
Grid 1 <b>66.8 M3</b>	Grid 2 <b>70.1 M3</b>	Grid 3 <b>66 M3</b>
Grid 4 <b>41.5 M4</b>	Grid 5 <b>53.4 M3</b>	Grid 6 <b>54.1 M3</b>
Grid 7 <b>76.2 M3</b>	Grid 8 <b>66.6 M3</b>	Grid 9 <b>52.5 M3</b>

**Cursor:**

Total = 76.2 V/m

E Category: M3

Location: 25, 25, 8.7 mm



0 dB = 76.2V/m

**#03 HAC\_E\_GSM1900 Ch810**

**DUT: 971509-01**

Communication System: PCS; Frequency: 1909.8 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

**Ch810/Hearing Aid Compatibility Test (101x101x1):** Measurement grid: dx=5mm, dy=5mm

Maximum value of peak Total field = 56.7 V/m

Probe Modulation Factor = 2.67

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 12.7 V/m; Power Drift = -0.040 dB

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

Peak E-field in V/m

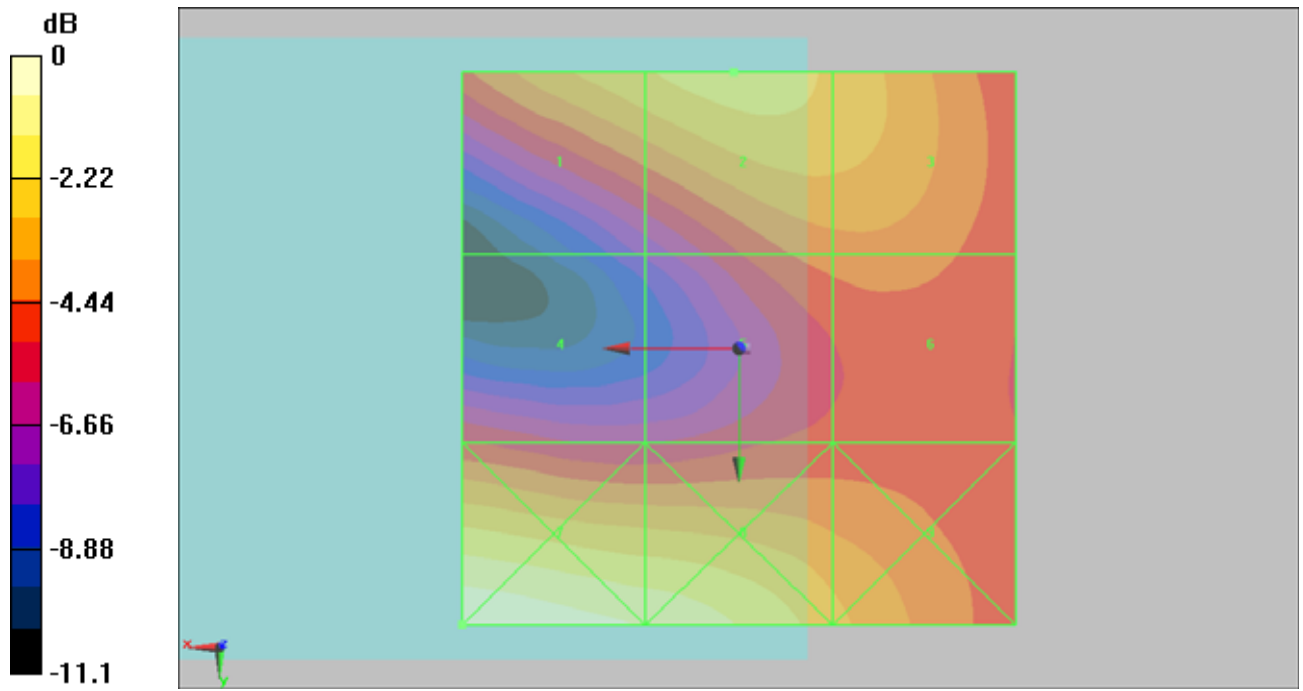
Grid 1	Grid 2	Grid 3
<b>53.9 M3</b>	<b>56.7 M3</b>	<b>53.5 M3</b>
Grid 4	Grid 5	Grid 6
<b>39.1 M4</b>	<b>43.9 M4</b>	<b>44.5 M4</b>
Grid 7	Grid 8	Grid 9
<b>70.2 M3</b>	<b>64.1 M3</b>	<b>51.5 M3</b>

**Cursor:**

Total = 70.2 V/m

E Category: M3

Location: 25, 25, 8.7 mm



0 dB = 70.2V/m

**#07 HAC\_E\_WCDMA V\_RMC12.2K\_Ch4132****DUT: 971509-01**

Communication System: WCDMA; Frequency: 826.4 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

**CH4132/Hearing Aid Compatibility Test (101x101x1):** Measurement grid: dx=5mm, dy=5mm

Maximum value of peak Total field = 95.7 V/m

Probe Modulation Factor = 0.999

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 121.1 V/m; Power Drift = 0.088 dB

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

Peak E-field in V/m

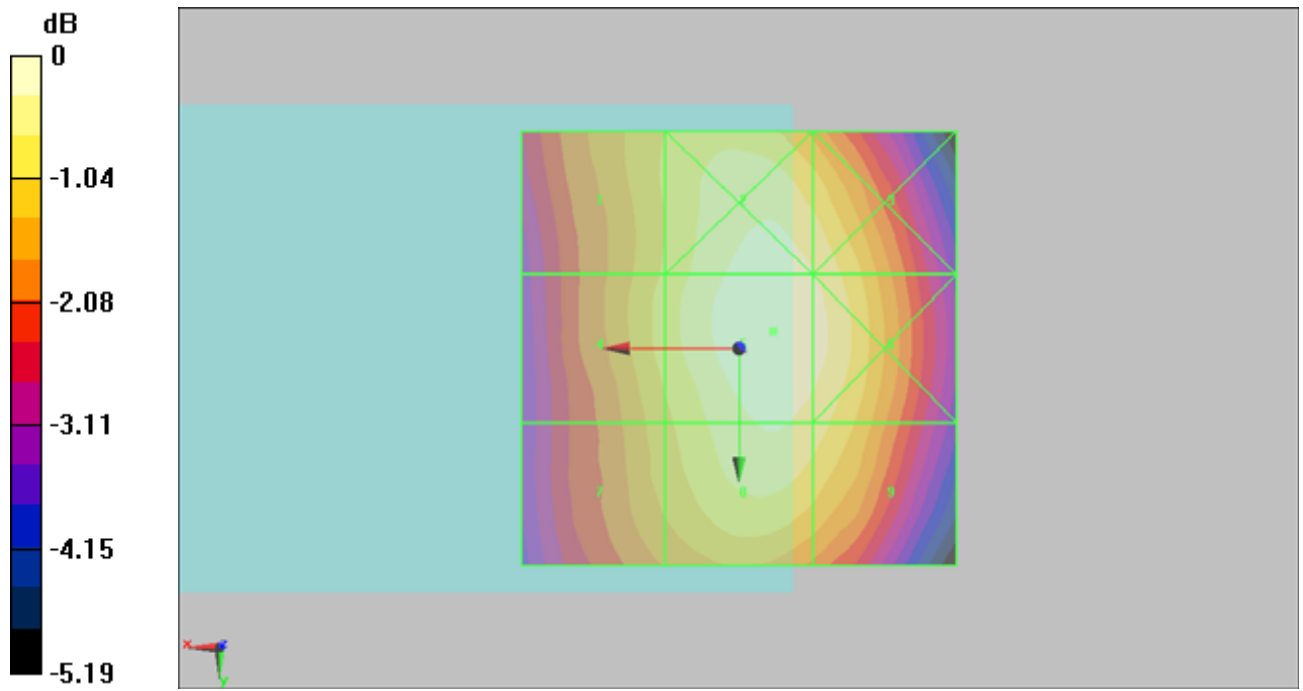
Grid 1 <b>85.6 M4</b>	Grid 2 <b>94.2 M4</b>	Grid 3 <b>92.2 M4</b>
Grid 4 <b>86.6 M4</b>	Grid 5 <b>95.7 M4</b>	Grid 6 <b>93.8 M4</b>
Grid 7 <b>84.1 M4</b>	Grid 8 <b>92.4 M4</b>	Grid 9 <b>90.4 M4</b>

**Cursor:**

Total = 95.7 V/m

E Category: M4

Location: -4, -2, 8.7 mm



0 dB = 95.7V/m

**#08 HAC\_E\_WCDMA V\_RMC12.2K\_Ch4182****DUT: 971509-01**

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 = 75.4 V/m

Probe Modulation Factor = 0.999

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 95.6 V/m; Power Drift = 0.079 dB

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

Peak E-field in V/m

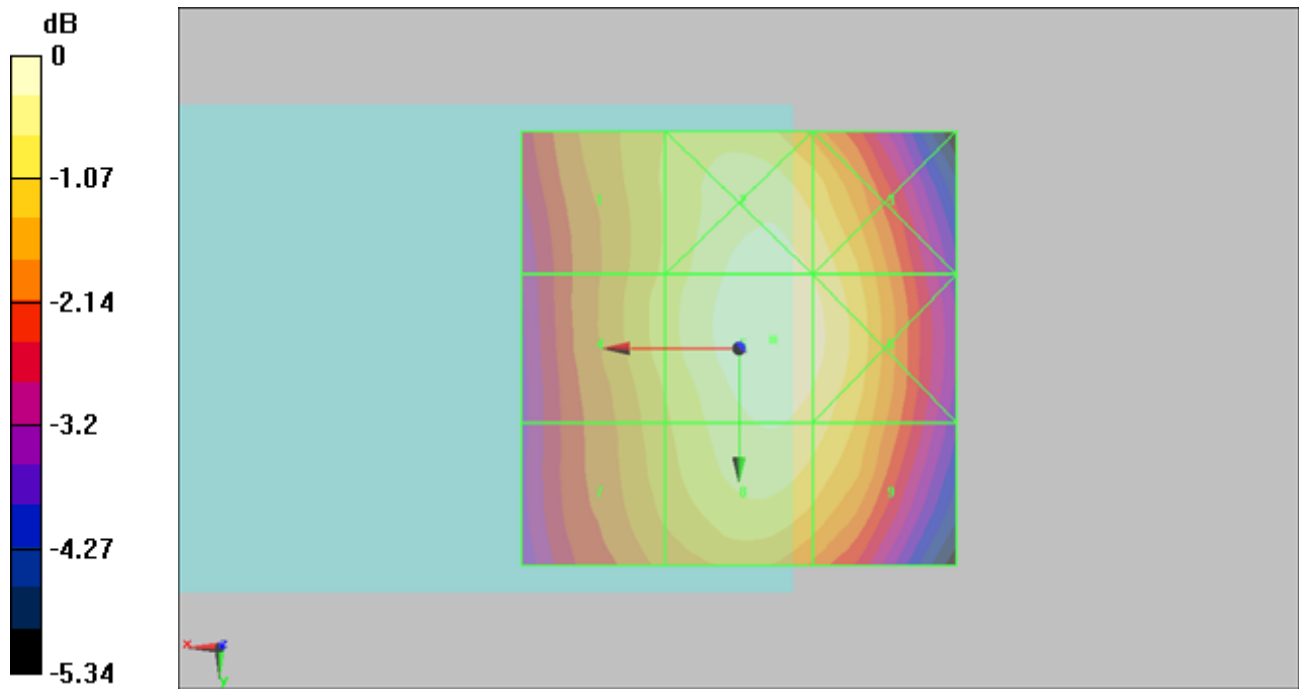
Grid 1 <b>67.4 M4</b>	Grid 2 <b>74 M4</b>	Grid 3 <b>72.3 M4</b>
Grid 4 <b>68.3 M4</b>	Grid 5 <b>75.4 M4</b>	Grid 6 <b>73.6 M4</b>
Grid 7 <b>66.2 M4</b>	Grid 8 <b>72.6 M4</b>	Grid 9 <b>71 M4</b>

**Cursor:**

Total = 75.4 V/m

E Category: M4

Location: -4, -1, 8.7 mm



0 dB = 75.4V/m



**#09 HAC\_E\_WCDMA V\_RMC12.2K\_Ch4233****DUT: 971509-01**

Communication System: WCDMA; Frequency: 846.6 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

**CH4233/Hearing Aid Compatibility Test (101x101x1):** Measurement grid: dx=5mm, dy=5mm

Maximum value of peak Total field = 94.3 V/m

Probe Modulation Factor = 0.999

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 119.9 V/m; Power Drift = -0.00621 dB

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

Peak E-field in V/m

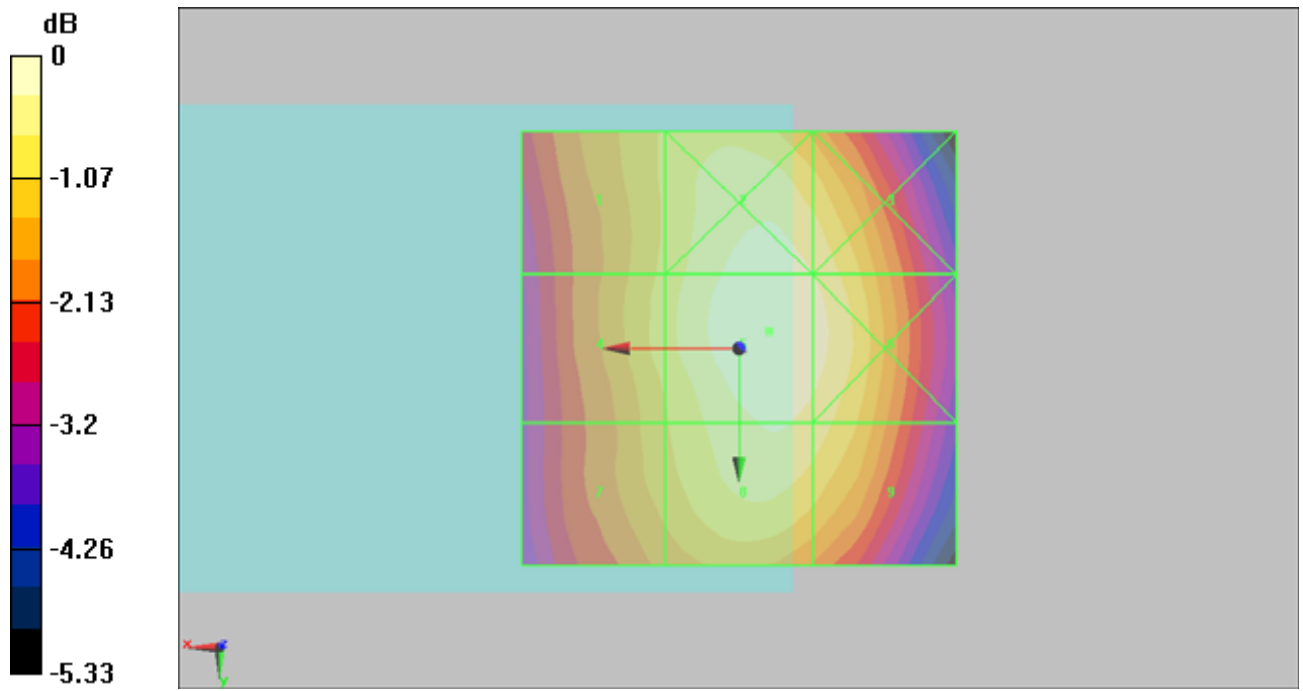
Grid 1 <b>84.6 M4</b>	Grid 2 <b>92.8 M4</b>	Grid 3 <b>90.6 M4</b>
Grid 4 <b>85.5 M4</b>	Grid 5 <b>94.3 M4</b>	Grid 6 <b>92.3 M4</b>
Grid 7 <b>83.1 M4</b>	Grid 8 <b>90.9 M4</b>	Grid 9 <b>89.1 M4</b>

**Cursor:**

Total = 94.3 V/m

E Category: M4

Location: -3.5, -2, 8.7 mm



0 dB = 94.3V/m

**#10 HAC\_E\_WCDMA II\_RMC12.2K\_Ch9262****DUT: 971509-01**

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 = 34.7 V/m

Probe Modulation Factor = 0.977

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 23.4 V/m; Power Drift = 0.134 dB

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

Peak E-field in V/m

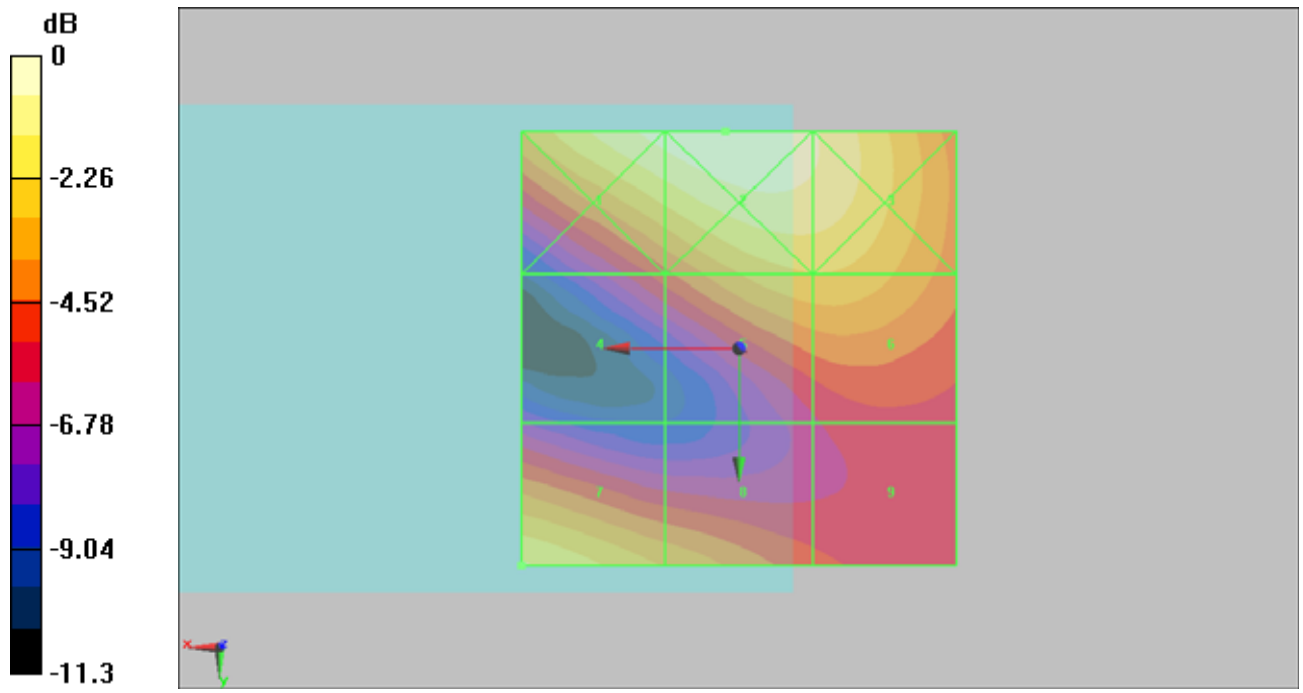
Grid 1 <b>38.9 M4</b>	Grid 2 <b>40.7 M4</b>	Grid 3 <b>37.8 M4</b>
Grid 4 <b>23.5 M4</b>	Grid 5 <b>31.3 M4</b>	Grid 6 <b>31.3 M4</b>
Grid 7 <b>34.7 M4</b>	Grid 8 <b>28.7 M4</b>	Grid 9 <b>23 M4</b>

**Cursor:**

Total = 40.7 V/m

E Category: M4

Location: 1.5, -25, 8.7 mm



0 dB = 40.7V/m

**#11 HAC\_E\_WCDMA II\_RMC12.2K\_Ch9400****DUT: 971509-01**

Communication System: WCDMA; Frequency: 1880 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

**CH9400/Hearing Aid Compatibility Test (101x101x1):** Measurement grid: dx=5mm, dy=5mm

Maximum value of peak Total field = 30.1 V/m

Probe Modulation Factor = 0.977

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 14.8 V/m; Power Drift = 0.043 dB

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

Peak E-field in V/m

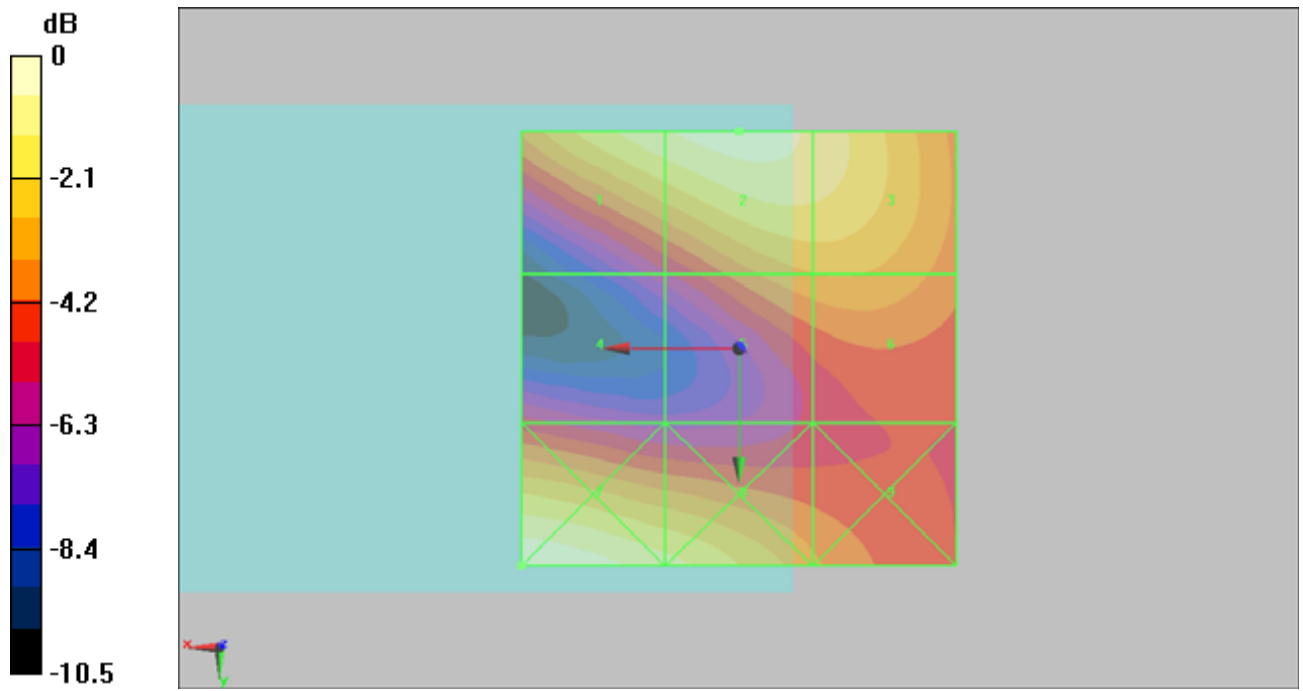
Grid 1 <b>28.7 M4</b>	Grid 2 <b>30.1 M4</b>	Grid 3 <b>28.4 M4</b>
Grid 4 <b>17.1 M4</b>	Grid 5 <b>22.6 M4</b>	Grid 6 <b>22.8 M4</b>
Grid 7 <b>31.3 M4</b>	Grid 8 <b>27.6 M4</b>	Grid 9 <b>21.4 M4</b>

**Cursor:**

Total = 31.3 V/m

E Category: M4

Location: 25, 25, 8.7 mm



0 dB = 31.3V/m

**#12 HAC\_E\_WCDMA II\_RMC12.2K\_Ch9538****DUT: 971509-01**

Communication System: WCDMA; Frequency: 1907.6 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 : 22.6

## 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

**CH9538/Hearing Aid Compatibility Test (101x101x1):** Measurement grid: dx=5mm, dy=5mm

Maximum value of peak Total field = 26.4 V/m

Probe Modulation Factor = 0.977

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 15.2 V/m; Power Drift = 0.070 dB

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

Peak E-field in V/m

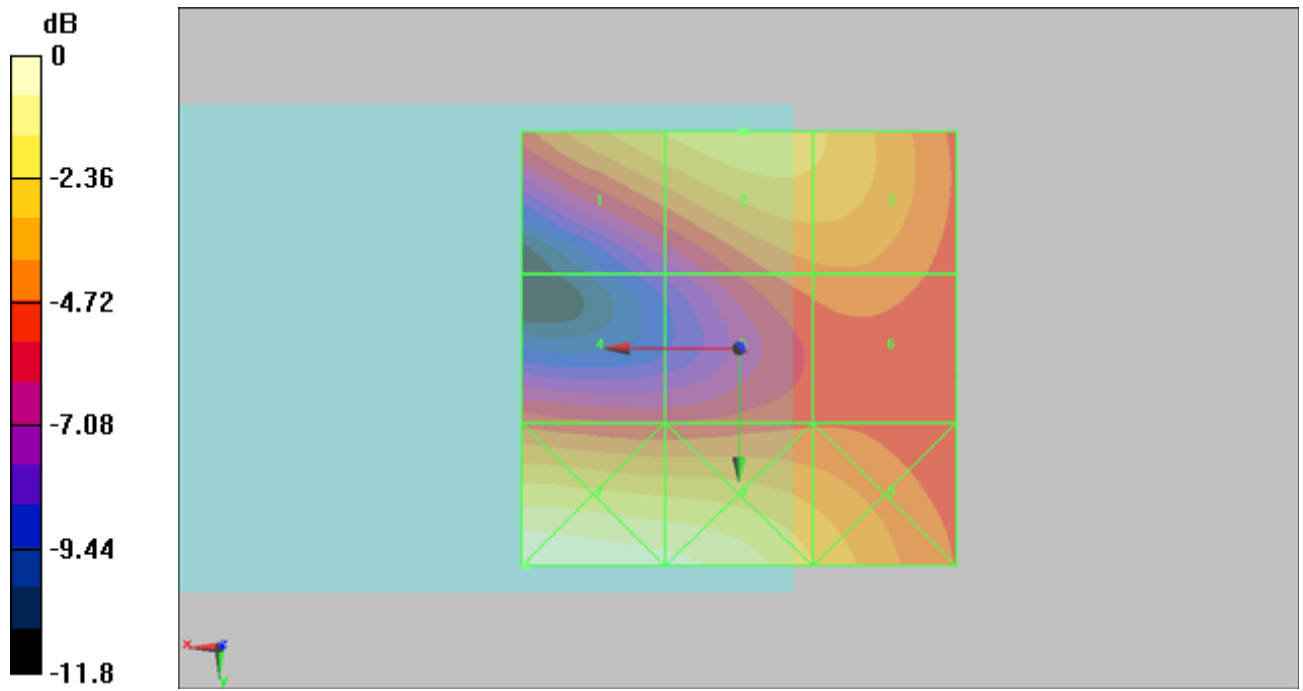
Grid 1 <b>24.9 M4</b>	Grid 2 <b>26.4 M4</b>	Grid 3 <b>25.2 M4</b>
Grid 4 <b>18.3 M4</b>	Grid 5 <b>20 M4</b>	Grid 6 <b>20.3 M4</b>
Grid 7 <b>32.4 M4</b>	Grid 8 <b>30.6 M4</b>	Grid 9 <b>24.8 M4</b>

**Cursor:**

Total = 32.4 V/m

E Category: M4

Location: 24.5, 25, 8.7 mm



0 dB = 32.4V/m



**#16 HAC\_H\_GSM850\_CH128****DUT: 971509-01**

Communication System: GSM850; Frequency: 824.2 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 : 22.6

## 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

**CH128/Hearing Aid Compatibility Test (101x101x1):** Measurement grid: dx=5mm, dy=5mm

Maximum value of peak Total field = 0.222 A/m

Probe Modulation Factor = 1.46

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 0.077 A/m; Power Drift = 0.00864 dB

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

Peak H-field in A/m

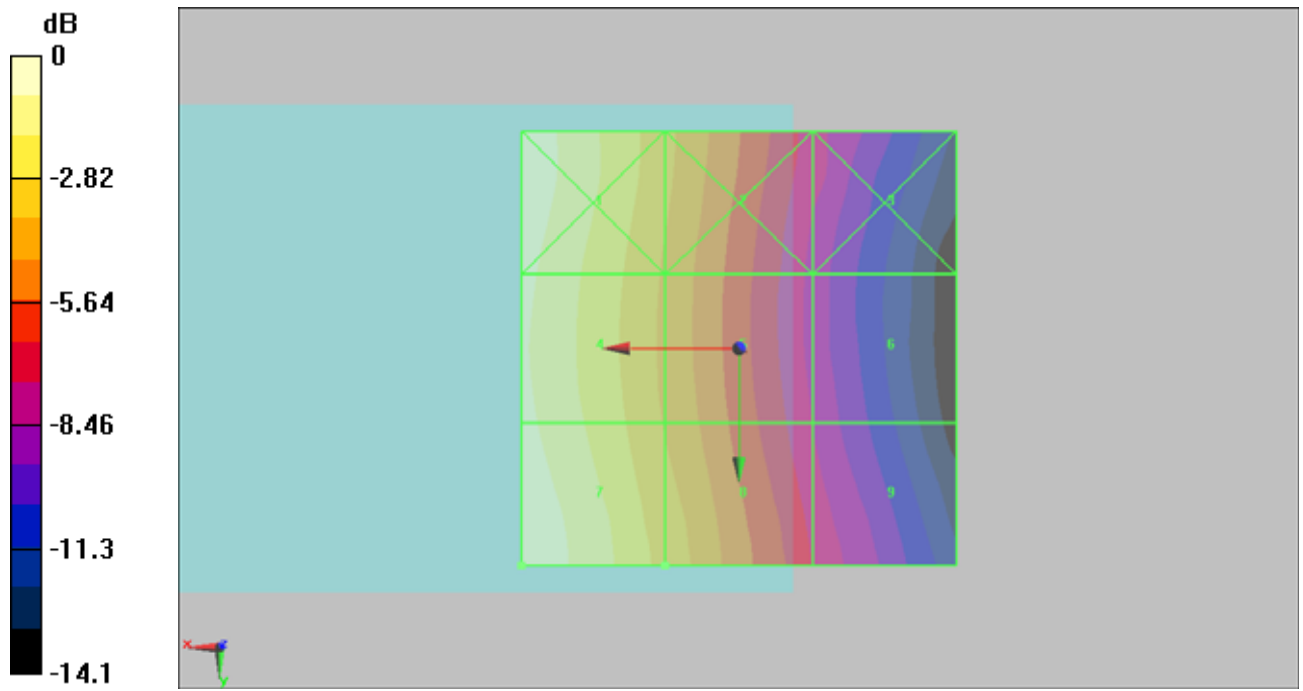
Grid 1 <b>0.217 M4</b>	Grid 2 <b>0.149 M4</b>	Grid 3 <b>0.089 M4</b>
Grid 4 <b>0.207 M4</b>	Grid 5 <b>0.143 M4</b>	Grid 6 <b>0.084 M4</b>
Grid 7 <b>0.222 M4</b>	Grid 8 <b>0.155 M4</b>	Grid 9 <b>0.093 M4</b>

**Cursor:**

Total = 0.222 A/m

H Category: M4

Location: 25, 25, 8.7 mm



0 dB = 0.222A/m

**#17 HAC\_H\_GSM850\_CH189****DUT: 971509-01**

Communication System: GSM850; Frequency: 836.4 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 : 22.4

## 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

**CH128/Hearing Aid Compatibility Test (101x101x1):** Measurement grid: dx=5mm, dy=5mm

Maximum value of peak Total field = 0.212 A/m

Probe Modulation Factor = 1.46

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 0.072 A/m; Power Drift = -0.039 dB

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

Peak H-field in A/m

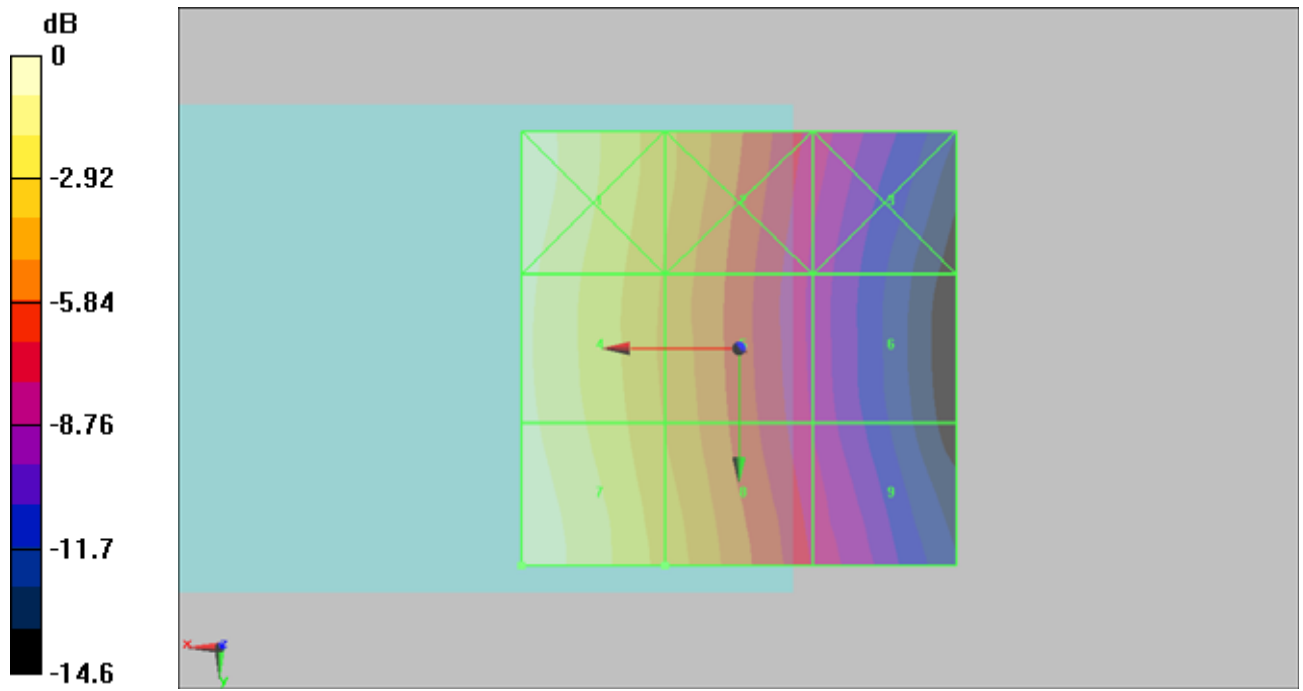
Grid 1 <b>0.208 M4</b>	Grid 2 <b>0.141 M4</b>	Grid 3 <b>0.084 M4</b>
Grid 4 <b>0.198 M4</b>	Grid 5 <b>0.135 M4</b>	Grid 6 <b>0.077 M4</b>
Grid 7 <b>0.212 M4</b>	Grid 8 <b>0.145 M4</b>	Grid 9 <b>0.086 M4</b>

**Cursor:**

Total = 0.212 A/m

H Category: M4

Location: 25, 25, 8.7 mm



0 dB = 0.212A/m

**#18 HAC\_H\_GSM850\_CH251**

**DUT: 971509-01**

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 = 0.223 A/m

Probe Modulation Factor = 1.46

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 0.076 A/m; Power Drift = -0.021 dB

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

Peak H-field in A/m

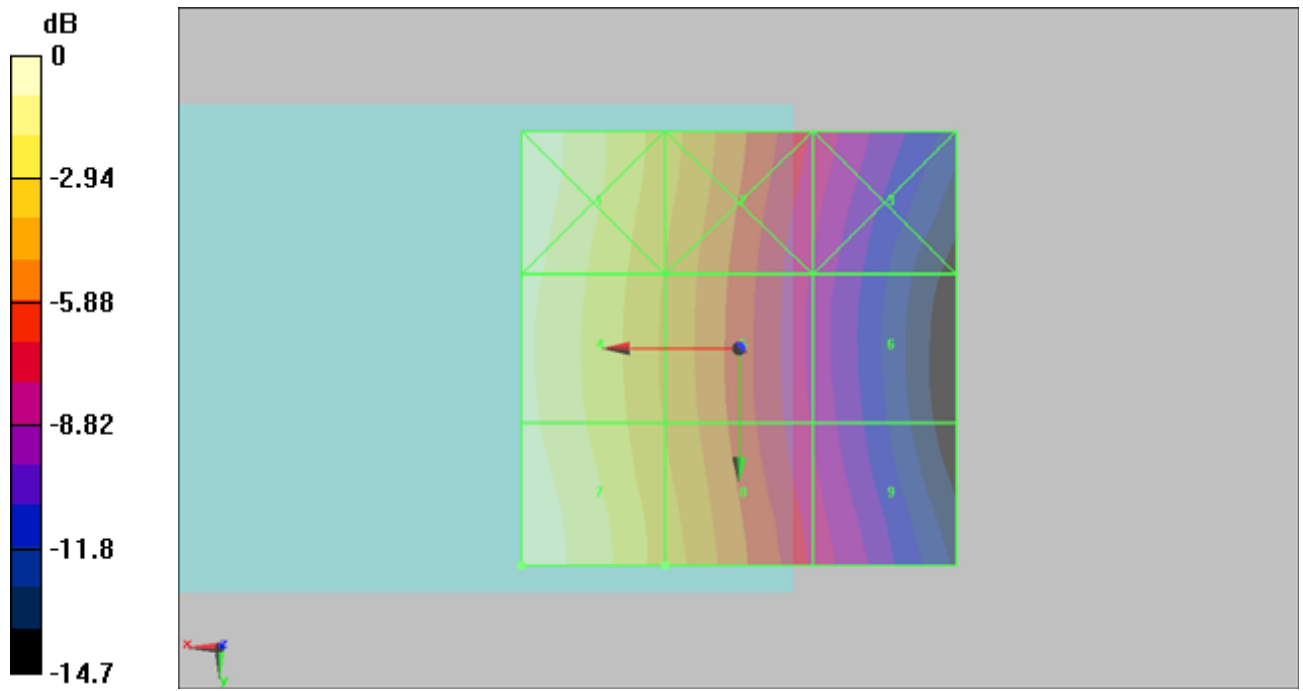
Grid 1 <b>0.221 M4</b>	Grid 2 <b>0.150 M4</b>	Grid 3 <b>0.089 M4</b>
Grid 4 <b>0.210 M4</b>	Grid 5 <b>0.141 M4</b>	Grid 6 <b>0.080 M4</b>
Grid 7 <b>0.223 M4</b>	Grid 8 <b>0.151 M4</b>	Grid 9 <b>0.088 M4</b>

**Cursor:**

Total = 0.223 A/m

H Category: M4

Location: 25, 25, 8.7 mm



0 dB = 0.223 A/m

**#13 HAC\_H\_GSM1900\_CH512****DUT: 971509-01**

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 = 0.082 A/m

Probe Modulation Factor = 1.24

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 0.070 A/m; Power Drift = -0.029 dB

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

Peak H-field in A/m

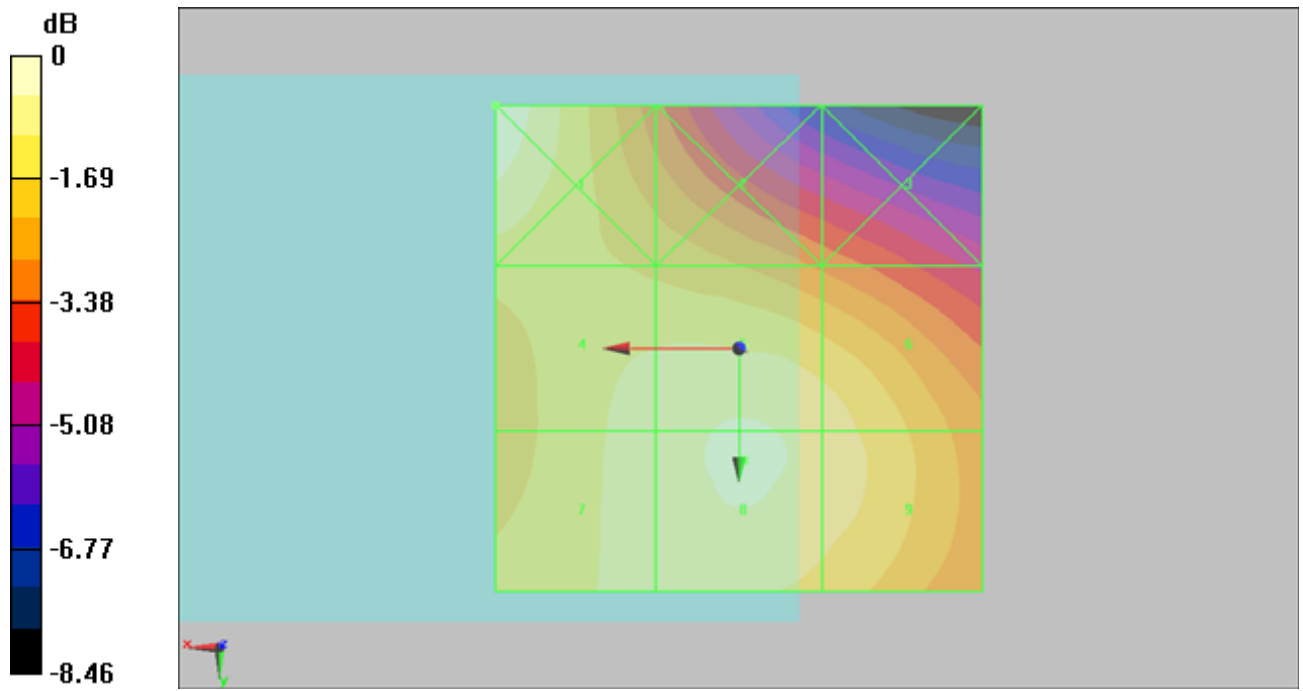
Grid 1 <b>0.087 M4</b>	Grid 2 <b>0.071 M4</b>	Grid 3 <b>0.062 M4</b>
Grid 4 <b>0.079 M4</b>	Grid 5 <b>0.082 M4</b>	Grid 6 <b>0.079 M4</b>
Grid 7 <b>0.079 M4</b>	Grid 8 <b>0.082 M4</b>	Grid 9 <b>0.080 M4</b>

**Cursor:**

Total = 0.087 A/m

H Category: M4

Location: 25, -25, 8.7 mm



0 dB = 0.087A/m



**#14 HAC\_H\_GSM1900\_CH661**

**DUT: 971509-01**

Communication System: PCS; Frequency: 1880 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

**CH661/Hearing Aid Compatibility Test (101x101x1):** Measurement grid: dx=5mm, dy=5mm

Maximum value of peak Total field = 0.088 A/m

Probe Modulation Factor = 1.24

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 0.075 A/m; Power Drift = 0.045 dB

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

Peak H-field in A/m

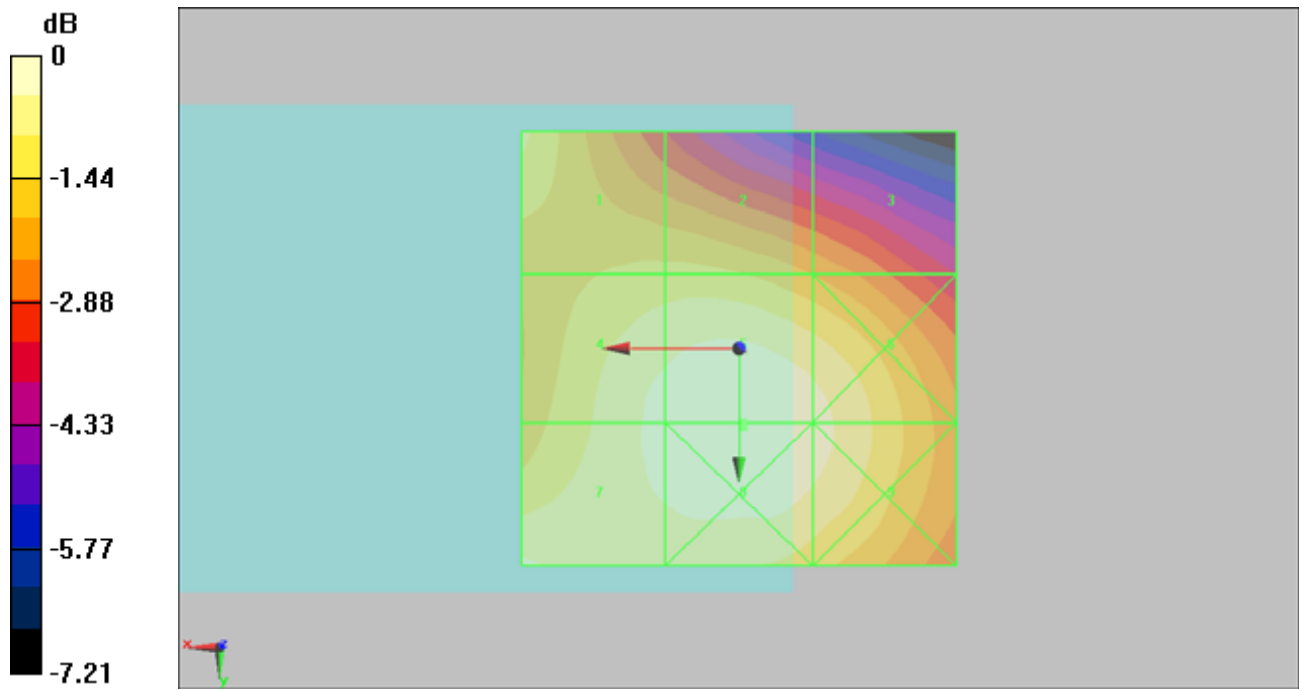
Grid 1 <b>0.080 M4</b>	Grid 2 <b>0.076 M4</b>	Grid 3 <b>0.071 M4</b>
Grid 4 <b>0.085 M4</b>	Grid 5 <b>0.088 M4</b>	Grid 6 <b>0.085 M4</b>
Grid 7 <b>0.085 M4</b>	Grid 8 <b>0.088 M4</b>	Grid 9 <b>0.085 M4</b>

**Cursor:**

Total = 0.088 A/m

H Category: M4

Location: -0.5, 9, 8.7 mm



0 dB = 0.088A/m

**#15 HAC\_H\_GSM1900\_CH810****DUT: 971509-01**

Communication System: PCS; Frequency: 1909.8 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

**CH810/Hearing Aid Compatibility Test (101x101x1):** Measurement grid: dx=5mm, dy=5mm

Maximum value of peak Total field = 0.072 A/m

Probe Modulation Factor = 1.24

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 0.061 A/m; Power Drift = 0.070 dB

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

Peak H-field in A/m

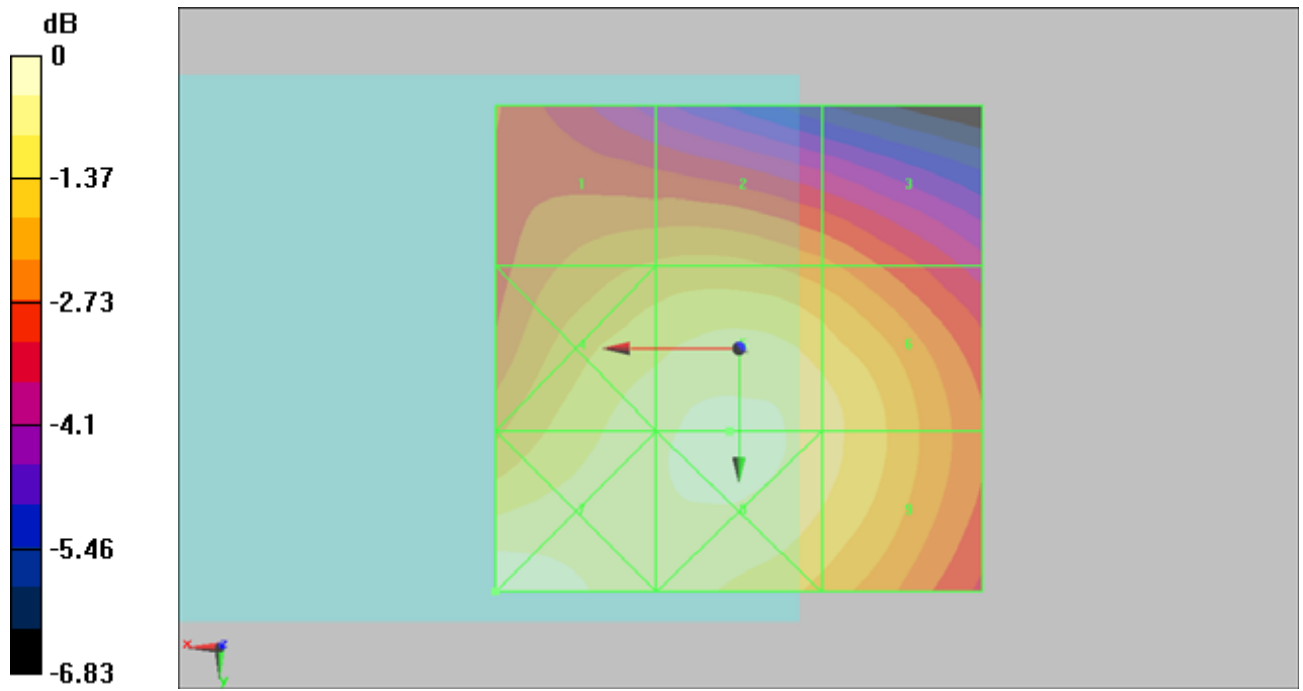
Grid 1 <b>0.061 M4</b>	Grid 2 <b>0.062 M4</b>	Grid 3 <b>0.059 M4</b>
Grid 4 <b>0.070 M4</b>	Grid 5 <b>0.072 M4</b>	Grid 6 <b>0.069 M4</b>
Grid 7 <b>0.075 M4</b>	Grid 8 <b>0.072 M4</b>	Grid 9 <b>0.069 M4</b>

**Cursor:**

Total = 0.075 A/m

H Category: M4

Location: 25, 25, 8.7 mm



**#19 HAC\_H\_WCDMA V\_RMC12.2K\_CH4132****DUT: 971509-01**

Communication System: WCDMA; Frequency: 826.4 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

**CH4132/Hearing Aid Compatibility Test (101x101x1):** Measurement grid: dx=5mm, dy=5mm

Maximum value of peak Total field = 0.149 A/m

Probe Modulation Factor = 0.833

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 0.093 A/m; Power Drift = 0.00218 dB

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

Peak H-field in A/m

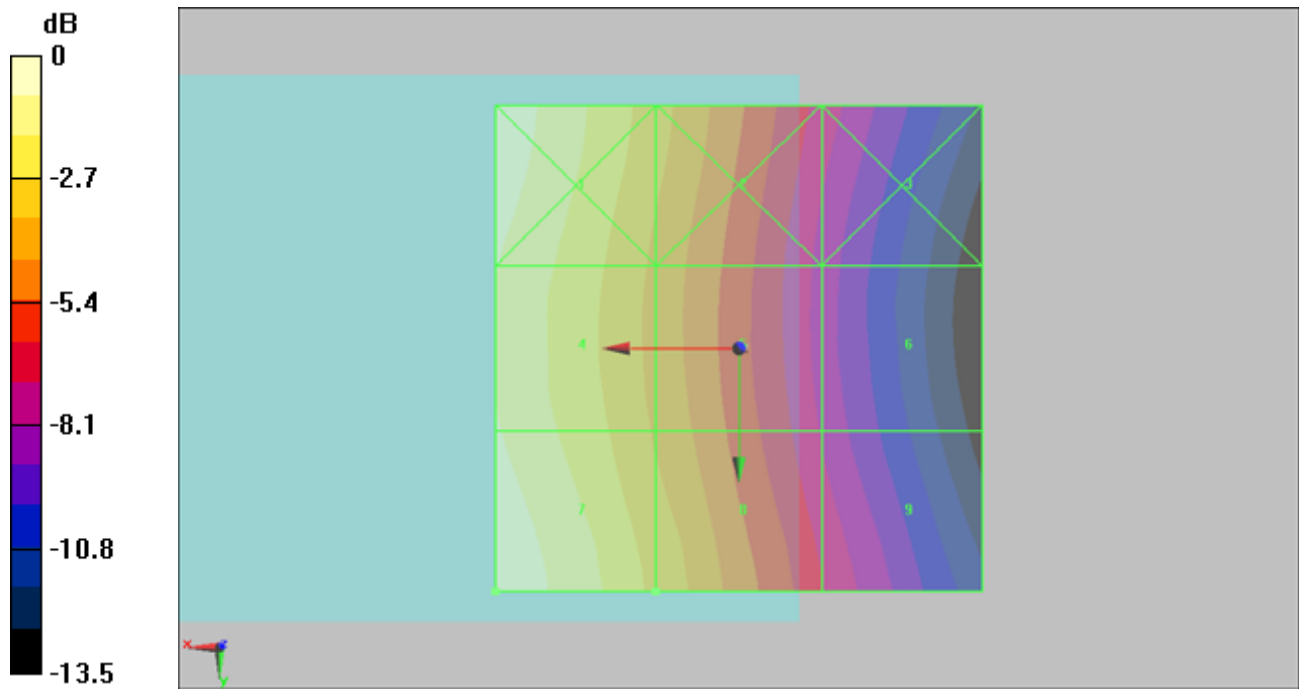
Grid 1 <b>0.145 M4</b>	Grid 2 <b>0.103 M4</b>	Grid 3 <b>0.063 M4</b>
Grid 4 <b>0.136 M4</b>	Grid 5 <b>0.097 M4</b>	Grid 6 <b>0.058 M4</b>
Grid 7 <b>0.149 M4</b>	Grid 8 <b>0.106 M4</b>	Grid 9 <b>0.066 M4</b>

**Cursor:**

Total = 0.149 A/m

H Category: M4

Location: 25, 25, 8.7 mm



0 dB = 0.149A/m

**#20 HAC\_H\_WCDMA V\_RMC12.2K\_CH4182****DUT: 971509-01**

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 = 0.117 A/m

Probe Modulation Factor = 0.833

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 0.072 A/m; Power Drift = 0.052 dB

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

Peak H-field in A/m

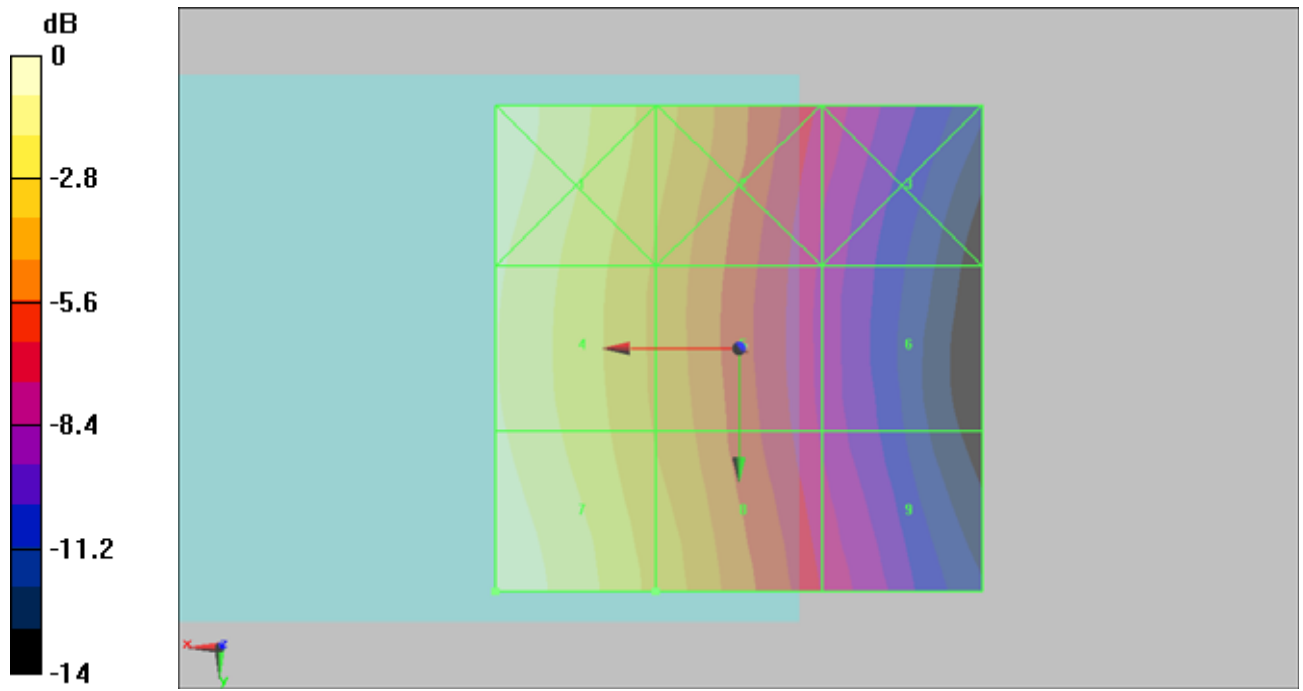
Grid 1 <b>0.115 M4</b>	Grid 2 <b>0.081 M4</b>	Grid 3 <b>0.049 M4</b>
Grid 4 <b>0.107 M4</b>	Grid 5 <b>0.076 M4</b>	Grid 6 <b>0.044 M4</b>
Grid 7 <b>0.117 M4</b>	Grid 8 <b>0.082 M4</b>	Grid 9 <b>0.049 M4</b>

**Cursor:**

Total = 0.117 A/m

H Category: M4

Location: 25, 25, 8.7 mm



0 dB = 0.117A/m



**#21 HAC\_H\_WCDMA V\_RMC12.2K\_CH4233**

**DUT: 971509-01**

Communication System: WCDMA; Frequency: 846.6 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

**CH4233/Hearing Aid Compatibility Test (101x101x1):** Measurement grid: dx=5mm, dy=5mm

Maximum value of peak Total field = 0.144 A/m

Probe Modulation Factor = 0.833

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 0.089 A/m; Power Drift = -0.00715 dB

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

Peak H-field in A/m

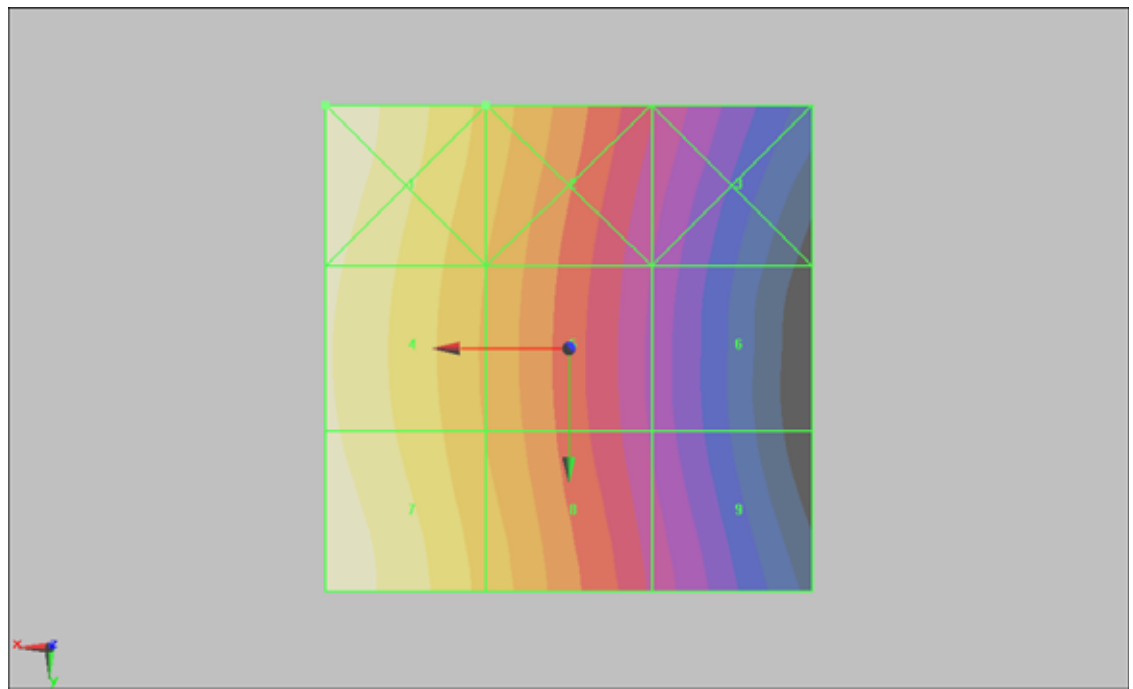
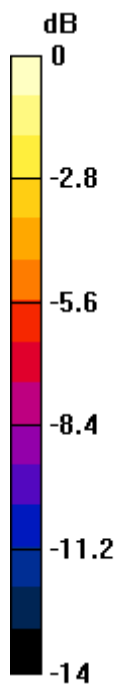
Grid 1 <b>0.144 M4</b>	Grid 2 <b>0.101 M4</b>	Grid 3 <b>0.062 M4</b>
Grid 4 <b>0.134 M4</b>	Grid 5 <b>0.094 M4</b>	Grid 6 <b>0.055 M4</b>
Grid 7 <b>0.144 M4</b>	Grid 8 <b>0.101 M4</b>	Grid 9 <b>0.060 M4</b>

**Cursor:**

Total = 0.144 A/m

H Category: M4

Location: 25, -25, 8.7 mm



0 dB = 0.144A/m

**#22 HAC\_H\_WCDMA II\_RMC12.2K\_CH9262****DUT: 971509-01**

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 = 0.048 A/m

Probe Modulation Factor = 0.524

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 0.095 A/m; Power Drift = 0.057 dB

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

Peak H-field in A/m

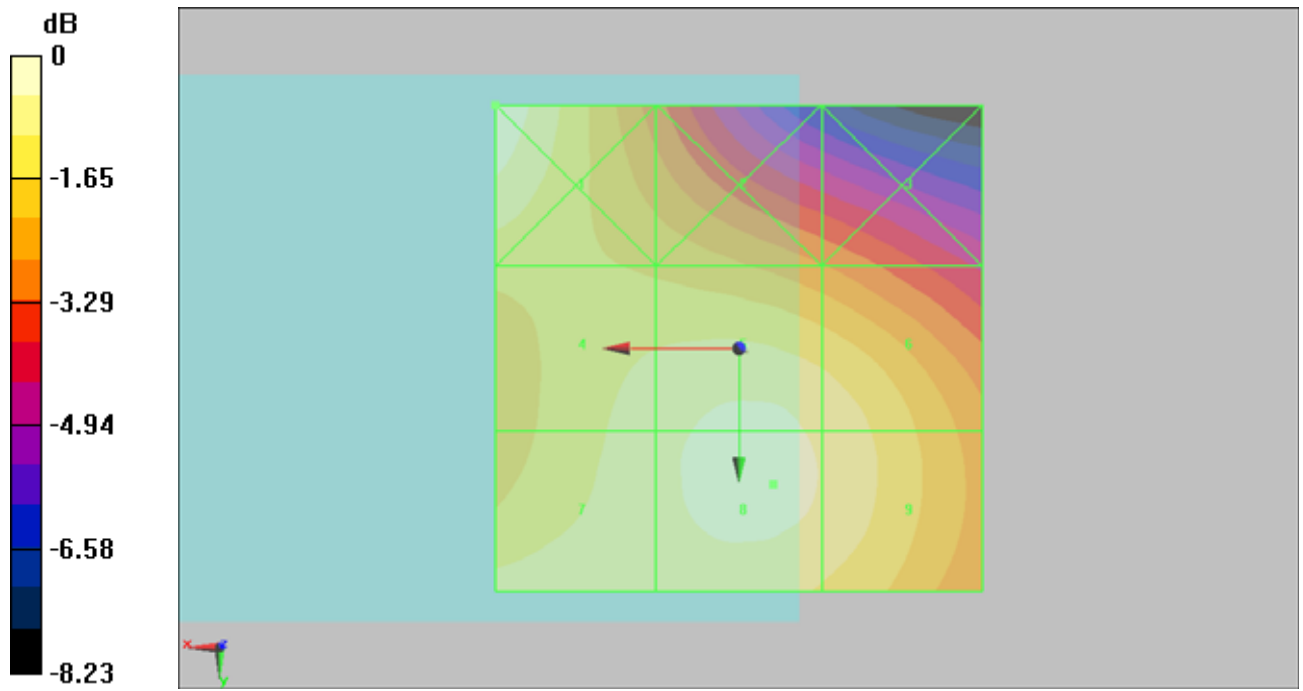
Grid 1 <b>0.050 M4</b>	Grid 2 <b>0.041 M4</b>	Grid 3 <b>0.037 M4</b>
Grid 4 <b>0.046 M4</b>	Grid 5 <b>0.048 M4</b>	Grid 6 <b>0.046 M4</b>
Grid 7 <b>0.046 M4</b>	Grid 8 <b>0.048 M4</b>	Grid 9 <b>0.047 M4</b>

**Cursor:**

Total = 0.050 A/m

H Category: M4

Location: 25, -25, 8.7 mm



0 dB = 0.050A/m

**#23 HAC\_H\_WCDMA II\_RMC12.2K\_CH9400****DUT: 971509-01**

Communication System: WCDMA; Frequency: 1880 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

**CH9400/Hearing Aid Compatibility Test (101x101x1):** Measurement grid: dx=5mm, dy=5mm

Maximum value of peak Total field = 0.041 A/m

Probe Modulation Factor = 0.524

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 0.083 A/m; Power Drift = 0.032 dB

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

Peak H-field in A/m

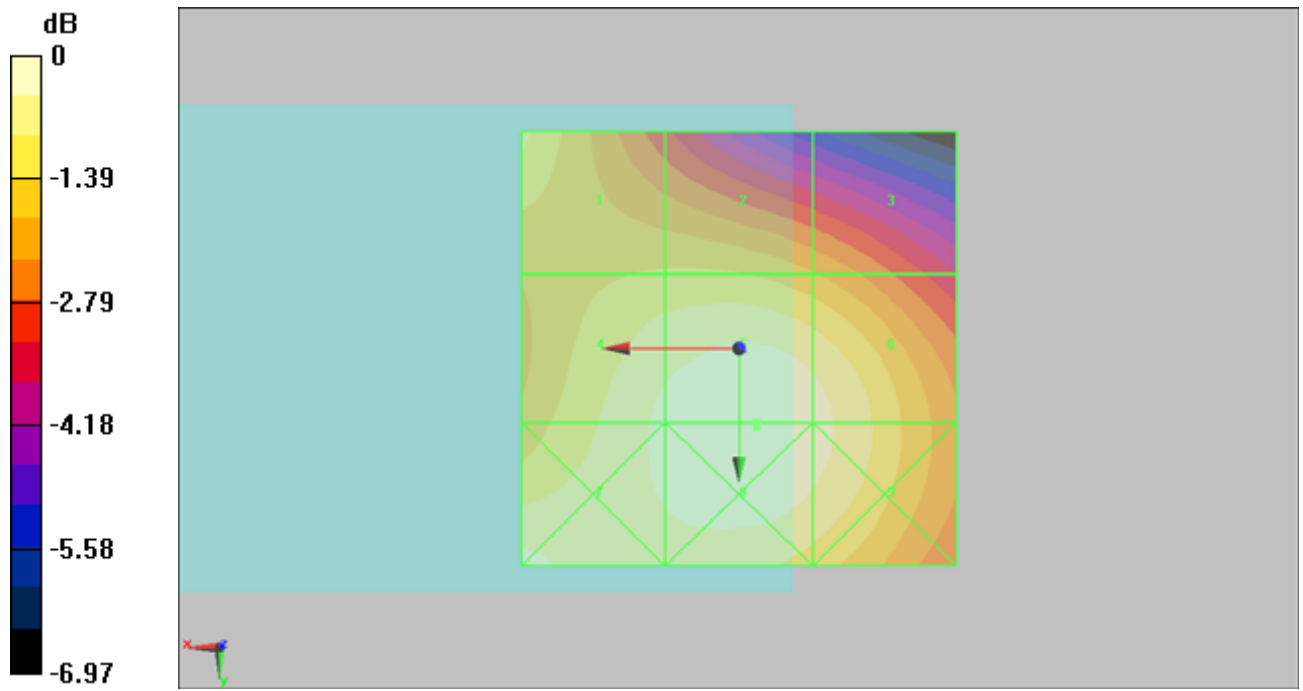
Grid 1 <b>0.037 M4</b>	Grid 2 <b>0.035 M4</b>	Grid 3 <b>0.033 M4</b>
Grid 4 <b>0.039 M4</b>	Grid 5 <b>0.041 M4</b>	Grid 6 <b>0.040 M4</b>
Grid 7 <b>0.040 M4</b>	Grid 8 <b>0.041 M4</b>	Grid 9 <b>0.040 M4</b>

**Cursor:**

Total = 0.041 A/m

H Category: M4

Location: -2, 9, 8.7 mm



0 dB = 0.041A/m

**#24 HAC\_H\_WCDMA II\_RMC12.2K\_CH9538****DUT: 971509-01**

Communication System: WCDMA; Frequency: 1907.6 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

**CH9538/Hearing Aid Compatibility Test (101x101x1):** Measurement grid: dx=5mm, dy=5mm

Maximum value of peak Total field = 0.041 A/m

Probe Modulation Factor = 0.524

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 0.083 A/m; Power Drift = 0.00641 dB

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

Peak H-field in A/m

Grid 1 <b>0.035 M4</b>	Grid 2 <b>0.036 M4</b>	Grid 3 <b>0.034 M4</b>
Grid 4 <b>0.040 M4</b>	Grid 5 <b>0.041 M4</b>	Grid 6 <b>0.040 M4</b>
Grid 7 <b>0.043 M4</b>	Grid 8 <b>0.041 M4</b>	Grid 9 <b>0.040 M4</b>

**Cursor:**

Total = 0.043 A/m

H Category: M4

Location: 25, 25, 8.7 mm

