

**#10 HAC\_E\_GSM850\_Ch128**

**DUT: 982009-02**

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 : 22.6

DASY4 Configuration:

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

- Sensor-Surface: (Fix Surface)

- Electronics: DAE3 Sn577; Calibrated: 2009/8/24

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

- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

**Ch128/Hearing Aid Compatibility Test (101x101x1):** Measurement grid: dx=5mm, dy=5mm

Maximum value of peak Total field = 143.9 V/m

Probe Modulation Factor = 2.63

Device Reference Point: 0.000, 0.000, -6.30 mm

Reference Value = 69.8 V/m; Power Drift = -0.188 dB

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

Peak E-field in V/m

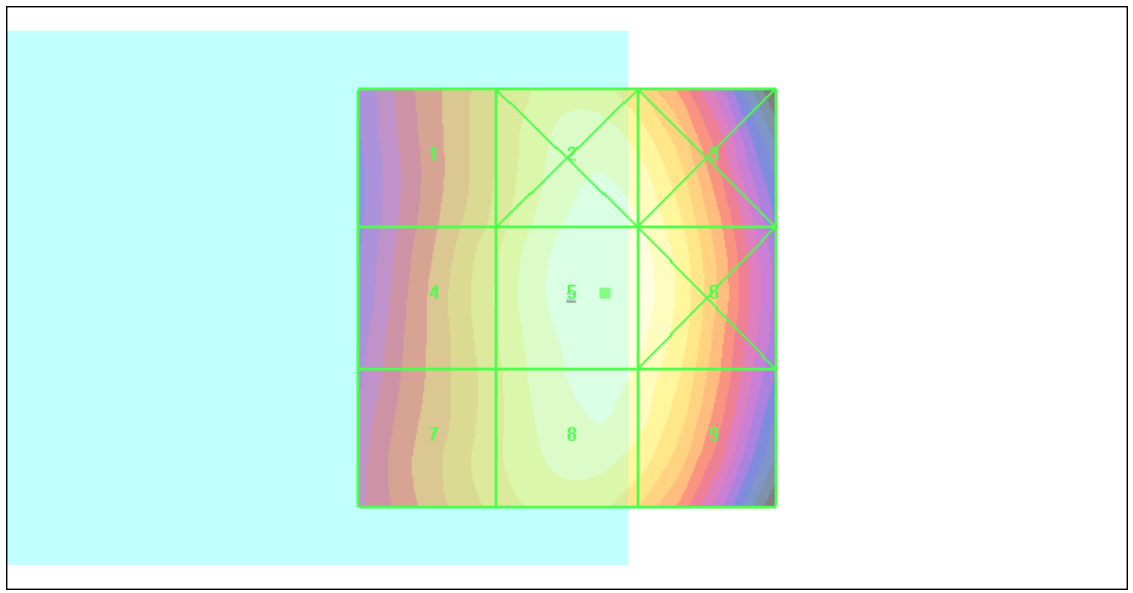
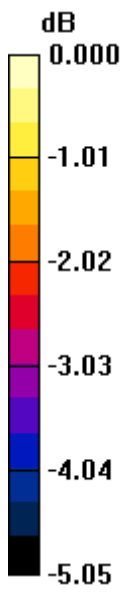
Grid 1 <b>125.6 M4</b>	Grid 2 <b>141.5 M4</b>	Grid 3 <b>139.1 M4</b>
Grid 4 <b>128.7 M4</b>	Grid 5 <b>143.9 M4</b>	Grid 6 <b>141.6 M4</b>
Grid 7 <b>127.2 M4</b>	Grid 8 <b>140.7 M4</b>	Grid 9 <b>137.8 M4</b>

**Cursor:**

Total = 143.9 V/m

E Category: M4

Location: -4.5, -0.5, 8.7 mm



0 dB = 143.9V/m

**#11 HAC\_E\_GSM850\_Ch189**

**DUT: 982009-02**

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 : 22.6

DASY4 Configuration:

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

- Sensor-Surface: (Fix Surface)

- Electronics: DAE3 Sn577; Calibrated: 2009/8/24

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

- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

**Ch189/Hearing Aid Compatibility Test (101x101x1):** Measurement grid: dx=5mm, dy=5mm

Maximum value of peak Total field = 165.9 V/m

Probe Modulation Factor = 2.63

Device Reference Point: 0.000, 0.000, -6.30 mm

Reference Value = 80.5 V/m; Power Drift = -0.064 dB

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

Peak E-field in V/m

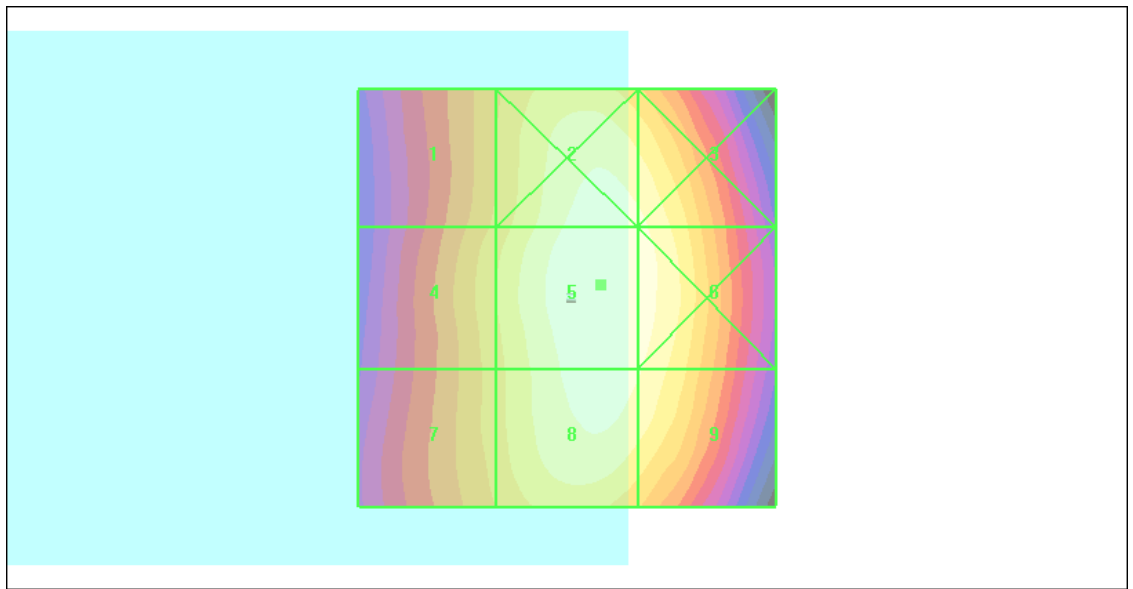
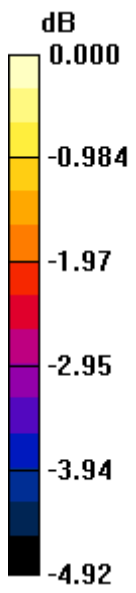
Grid 1 <b>144.5 M4</b>	Grid 2 <b>163.9 M3</b>	Grid 3 <b>161.6 M3</b>
Grid 4 <b>148.1 M4</b>	Grid 5 <b>165.9 M3</b>	Grid 6 <b>163.7 M3</b>
Grid 7 <b>146.1 M4</b>	Grid 8 <b>163.2 M3</b>	Grid 9 <b>160.5 M3</b>

**Cursor:**

Total = 165.9 V/m

E Category: M3

Location: -4, -1.5, 8.7 mm



0 dB = 165.9V/m

**#12 HAC\_E\_GSM850\_Ch251**

**DUT: 982009-02**

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 : 22.7

DASY4 Configuration:

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

- Sensor-Surface: (Fix Surface)

- Electronics: DAE3 Sn577; Calibrated: 2009/8/24

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

- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

**Ch251/Hearing Aid Compatibility Test (101x101x1):** Measurement grid: dx=5mm, dy=5mm

Maximum value of peak Total field = 176.2 V/m

Probe Modulation Factor = 2.63

Device Reference Point: 0.000, 0.000, -6.30 mm

Reference Value = 84.2 V/m; Power Drift = 0.042 dB

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

Peak E-field in V/m

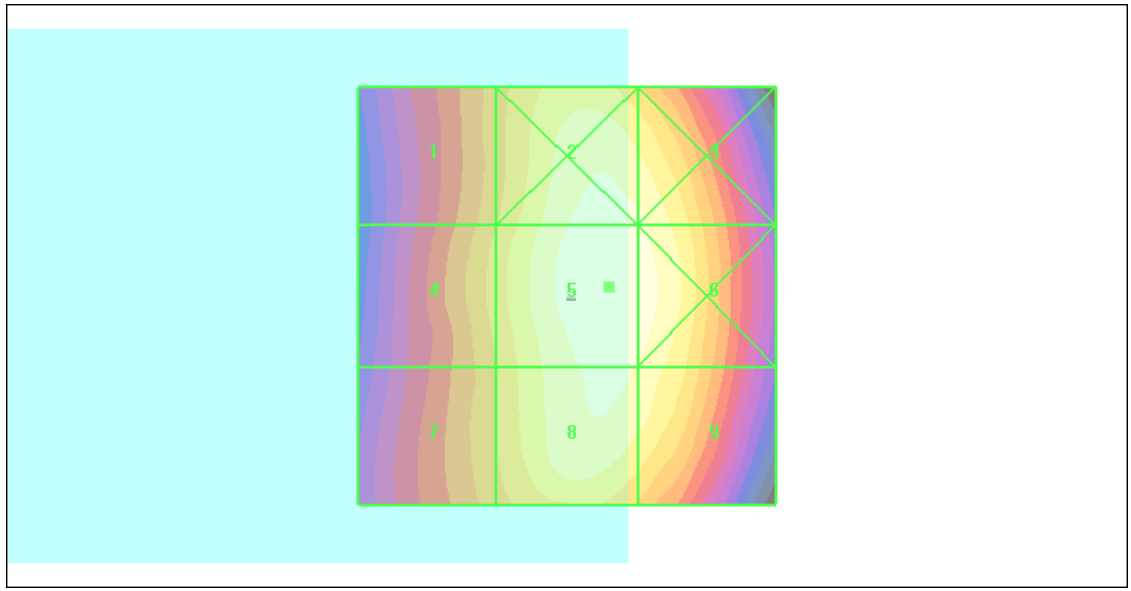
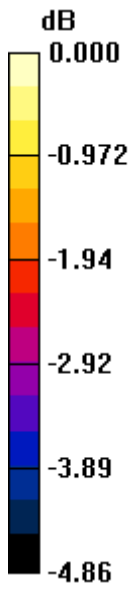
Grid 1 <b>151.7 M3</b>	Grid 2 <b>172.7 M3</b>	Grid 3 <b>171.1 M3</b>
Grid 4 <b>154.8 M3</b>	Grid 5 <b>176.2 M3</b>	Grid 6 <b>173.9 M3</b>
Grid 7 <b>152.3 M3</b>	Grid 8 <b>172.1 M3</b>	Grid 9 <b>169.2 M3</b>

**Cursor:**

Total = 176.2 V/m

E Category: M3

Location: -5, -1, 8.7 mm



0 dB = 176.2V/m

**#01 HAC\_E\_GSM1900\_Ch512**

**DUT: 982009-02**

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 : 22.6

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

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

Maximum value of peak Total field = 66.9 V/m

Probe Modulation Factor = 2.7

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 23.7 V/m; Power Drift = -0.036 dB

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

Peak E-field in V/m

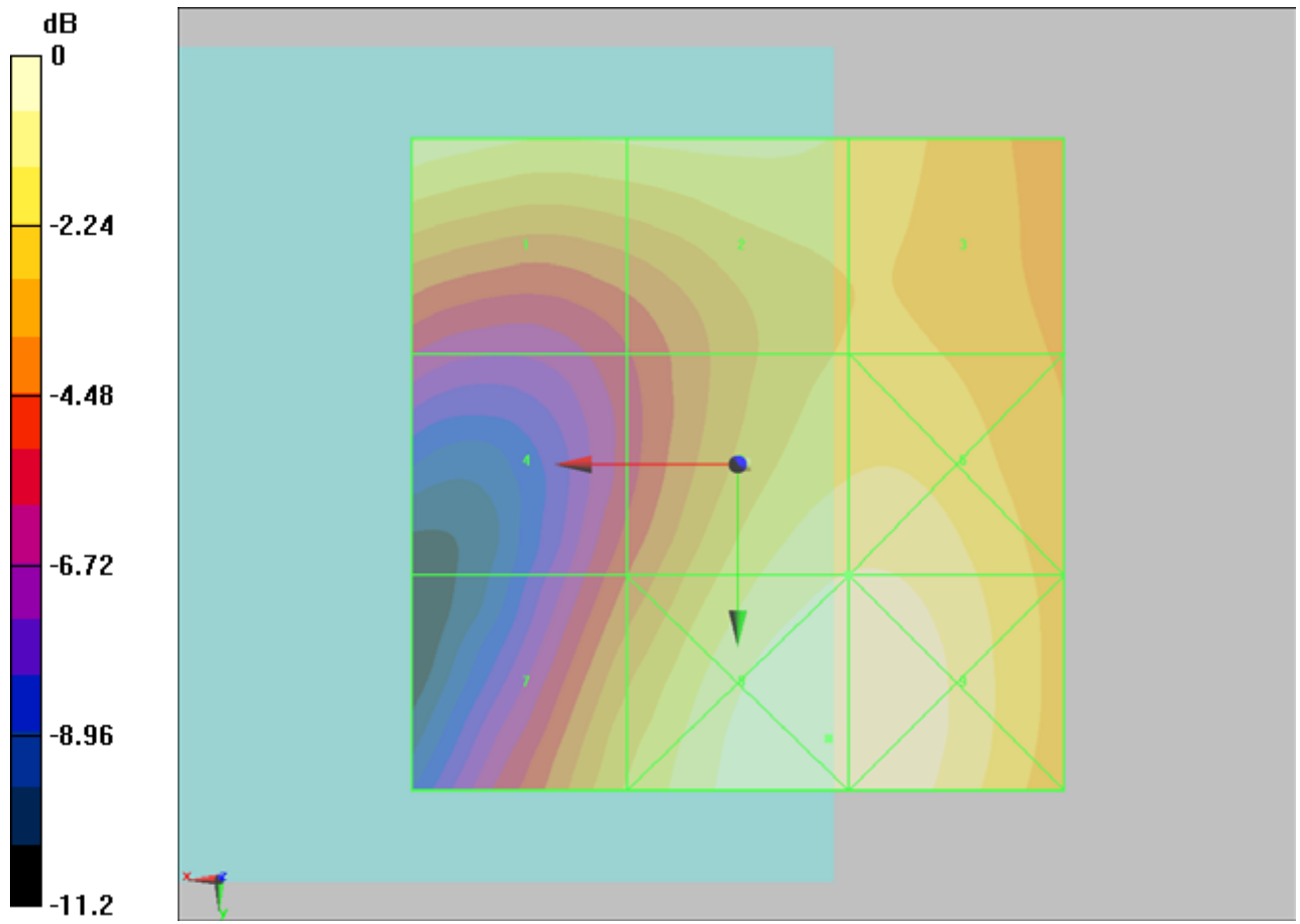
Grid 1 <b>65.2 M3</b>	Grid 2 <b>62.8 M3</b>	Grid 3 <b>60.3 M3</b>
Grid 4 <b>43.4 M4</b>	Grid 5 <b>66.9 M3</b>	Grid 6 <b>67.1 M3</b>
Grid 7 <b>56.7 M3</b>	Grid 8 <b>72.6 M3</b>	Grid 9 <b>72.5 M3</b>

**Cursor:**

Total = 72.6 V/m

E Category: M3

Location: -7, 21, 8.7 mm



0 dB = 72.6V/m



**#02 HAC\_E\_GSM1900\_Ch661****DUT: 982009-02**

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 : 22.6

## 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

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

Maximum value of peak Total field = 71.7 V/m

Probe Modulation Factor = 2.7

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 25 V/m; Power Drift = 0.152 dB

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

Peak E-field in V/m

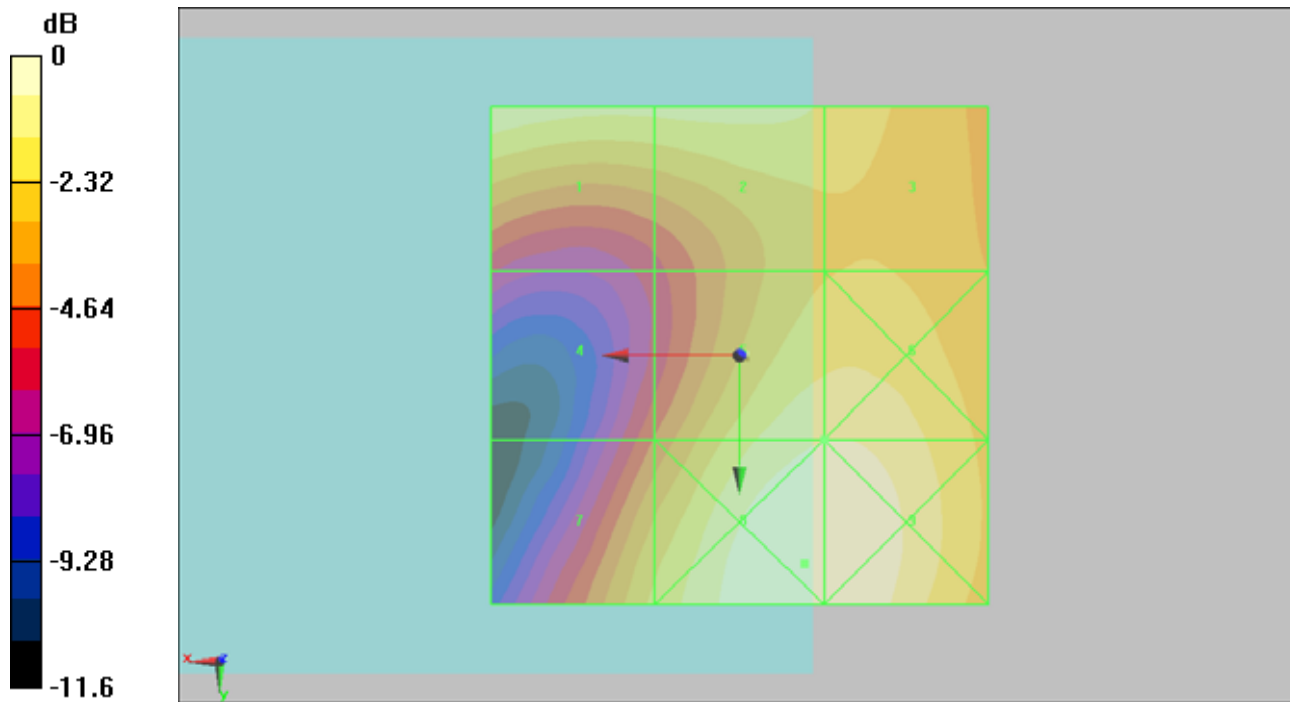
Grid 1 <b>71.6 M3</b>	Grid 2 <b>68.5 M3</b>	Grid 3 <b>65.1 M3</b>
Grid 4 <b>46.7 M4</b>	Grid 5 <b>71.7 M3</b>	Grid 6 <b>72 M3</b>
Grid 7 <b>61.8 M3</b>	Grid 8 <b>78.6 M3</b>	Grid 9 <b>78.3 M3</b>

**Cursor:**

Total = 78.6 V/m

E Category: M3

Location: -6.5, 21, 8.7 mm



0 dB = 78.6V/m

**#03 HAC\_E\_GSM1900\_Ch810**

**DUT: 982009-02**

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 : 22.6

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

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

Maximum value of peak Total field = 82.8 V/m

Probe Modulation Factor = 2.7

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 28 V/m; Power Drift = -0.042 dB

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

Peak E-field in V/m

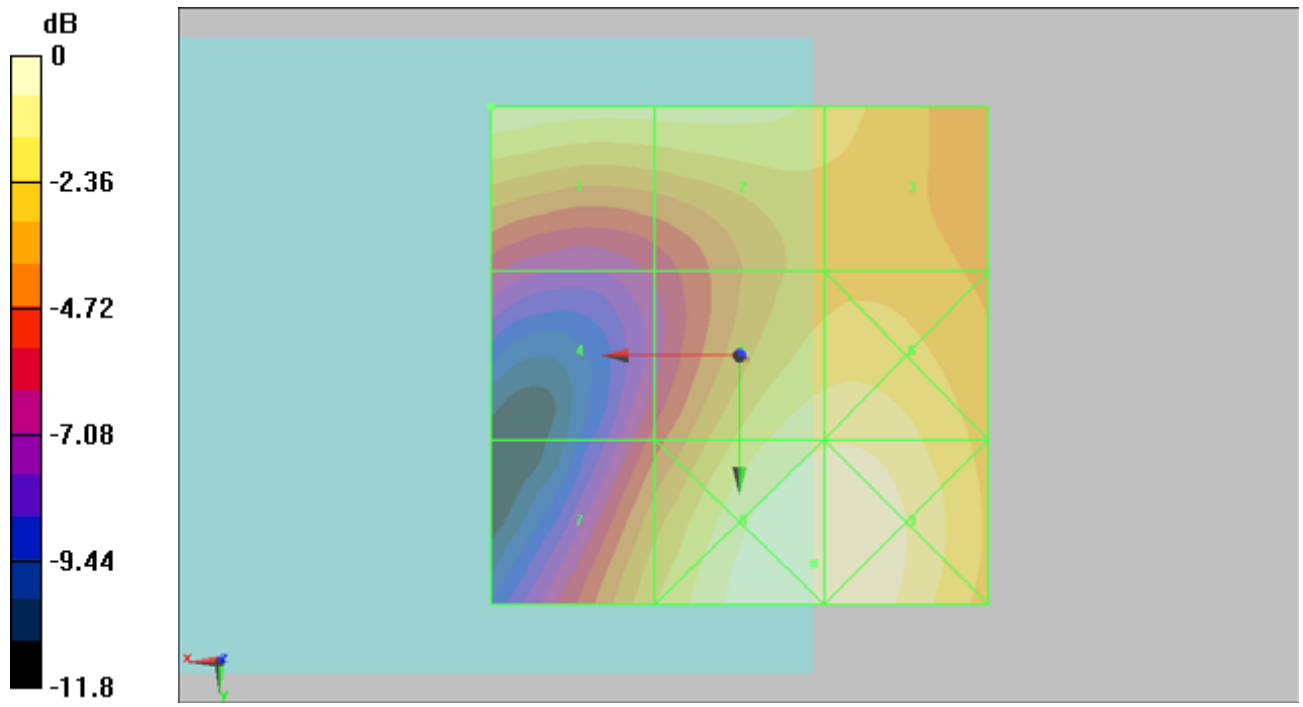
Grid 1	Grid 2	Grid 3
<b>82.8 M3</b>	<b>80.2 M3</b>	<b>73.8 M3</b>
Grid 4	Grid 5	Grid 6
<b>50.7 M3</b>	<b>82.3 M3</b>	<b>82.9 M3</b>
Grid 7	Grid 8	Grid 9
<b>69.3 M3</b>	<b>91.3 M2</b>	<b>91.2 M2</b>

**Cursor:**

Total = 91.3 V/m

E Category: M2

Location: -7.5, 21, 8.7 mm



0 dB = 91.3V/m

**#07 HAC\_E\_WCDMA V\_Ch4132**

**DUT: 982009-02**

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 : 22.8

DASY4 Configuration:

- Probe: ER3DV6 - SN2358; ConvF(1, 1, 1); Calibrated: 2009/1/14
- Sensor-Surface: (Fix Surface)
- Electronics: DAE3 Sn577; Calibrated: 2009/8/24
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

**Ch4132/Hearing Aid Compatibility Test (101x101x1):** Measurement grid: dx=5mm, dy=5mm

Maximum value of peak Total field = 43.2 V/m

Probe Modulation Factor = 0.999

Device Reference Point: 0.000, 0.000, -6.30 mm

Reference Value = 54.0 V/m; Power Drift = 0.021 dB

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

Peak E-field in V/m

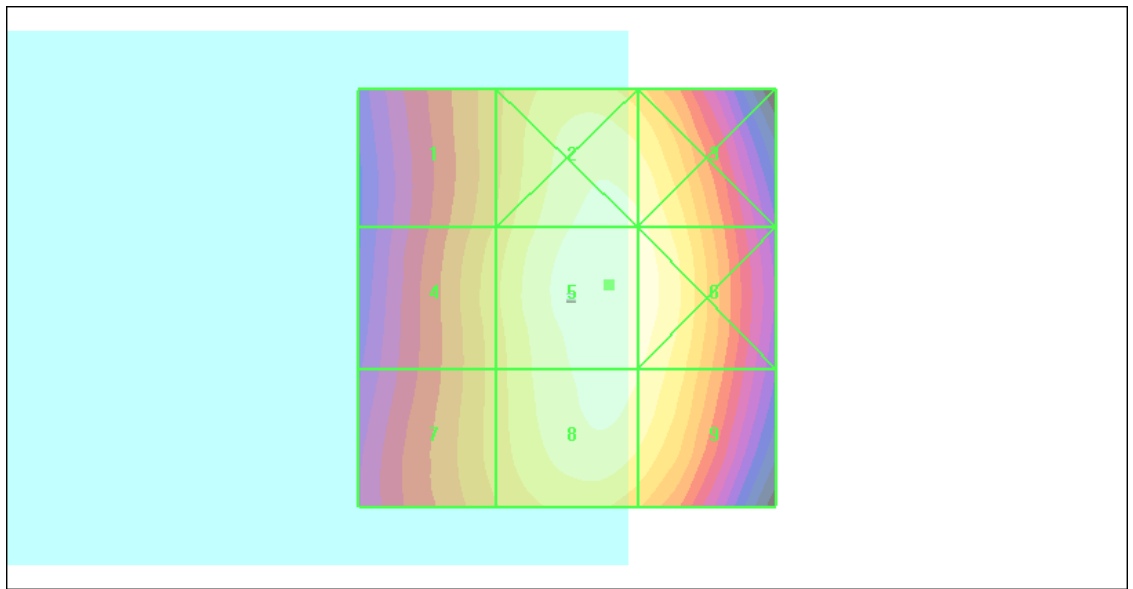
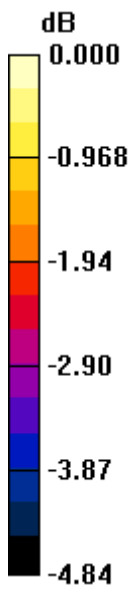
Grid 1 <b>37.5 M4</b>	Grid 2 <b>42.5 M4</b>	Grid 3 <b>42.0 M4</b>
Grid 4 <b>38.4 M4</b>	Grid 5 <b>43.2 M4</b>	Grid 6 <b>42.8 M4</b>
Grid 7 <b>38.0 M4</b>	Grid 8 <b>42.4 M4</b>	Grid 9 <b>41.8 M4</b>

**Cursor:**

Total = 43.2 V/m

E Category: M4

Location: -5, -1.5, 8.7 mm



0 dB = 43.2V/m

**#08 HAC\_E\_WCDMA V\_Ch4182**

**DUT: 982009-02**

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 : 22.6

DASY4 Configuration:

- Probe: ER3DV6 - SN2358; ConvF(1, 1, 1); Calibrated: 2009/1/14
- Sensor-Surface: (Fix Surface)
- Electronics: DAE3 Sn577; Calibrated: 2009/8/24
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

**Ch4182/Hearing Aid Compatibility Test (101x101x1):** Measurement grid: dx=5mm, dy=5mm

Maximum value of peak Total field = 49.7 V/m

Probe Modulation Factor = 0.999

Device Reference Point: 0.000, 0.000, -6.30 mm

Reference Value = 62.2 V/m; Power Drift = -0.015 dB

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

Peak E-field in V/m

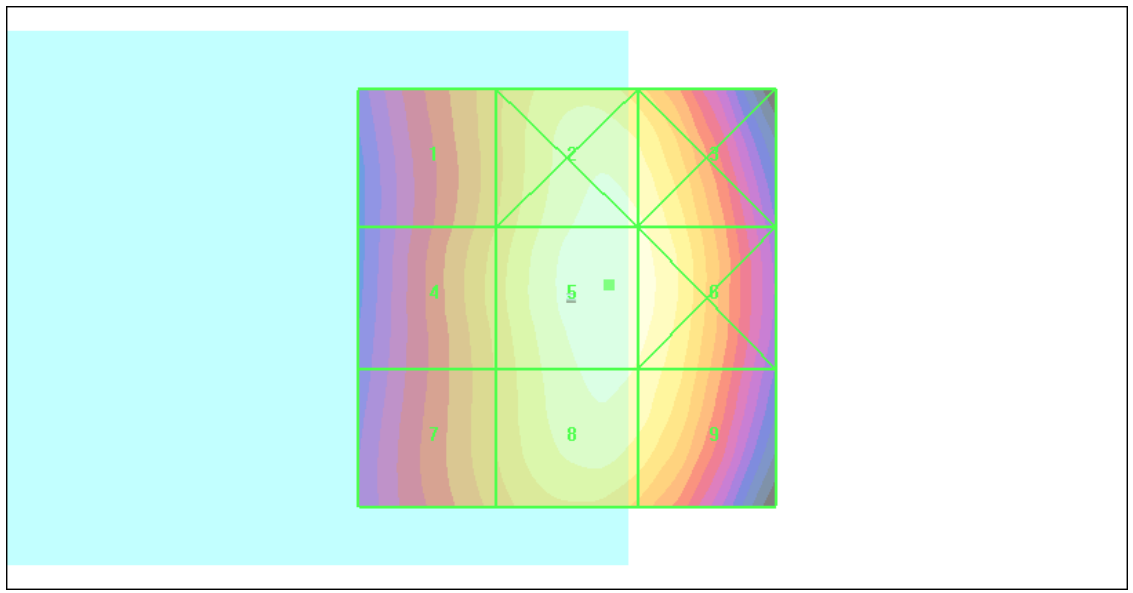
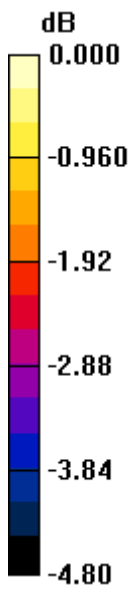
Grid 1 <b>43.0 M4</b>	Grid 2 <b>48.9 M4</b>	Grid 3 <b>48.3 M4</b>
Grid 4 <b>43.8 M4</b>	Grid 5 <b>49.7 M4</b>	Grid 6 <b>49.0 M4</b>
Grid 7 <b>43.1 M4</b>	Grid 8 <b>48.4 M4</b>	Grid 9 <b>47.8 M4</b>

**Cursor:**

Total = 49.7 V/m

E Category: M4

Location: -5, -1.5, 8.7 mm



0 dB = 49.7V/m



**#09 HAC\_E\_WCDMA V\_Ch4233**

**DUT: 982009-02**

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 : 22.7

DASY4 Configuration:

- Probe: ER3DV6 - SN2358; ConvF(1, 1, 1); Calibrated: 2009/1/14
- Sensor-Surface: (Fix Surface)
- Electronics: DAE3 Sn577; Calibrated: 2009/8/24
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

**Ch4233/Hearing Aid Compatibility Test (101x101x1):** Measurement grid: dx=5mm, dy=5mm

Maximum value of peak Total field = 49.0 V/m

Probe Modulation Factor = 0.999

Device Reference Point: 0.000, 0.000, -6.30 mm

Reference Value = 61.3 V/m; Power Drift = 0.010 dB

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

Peak E-field in V/m

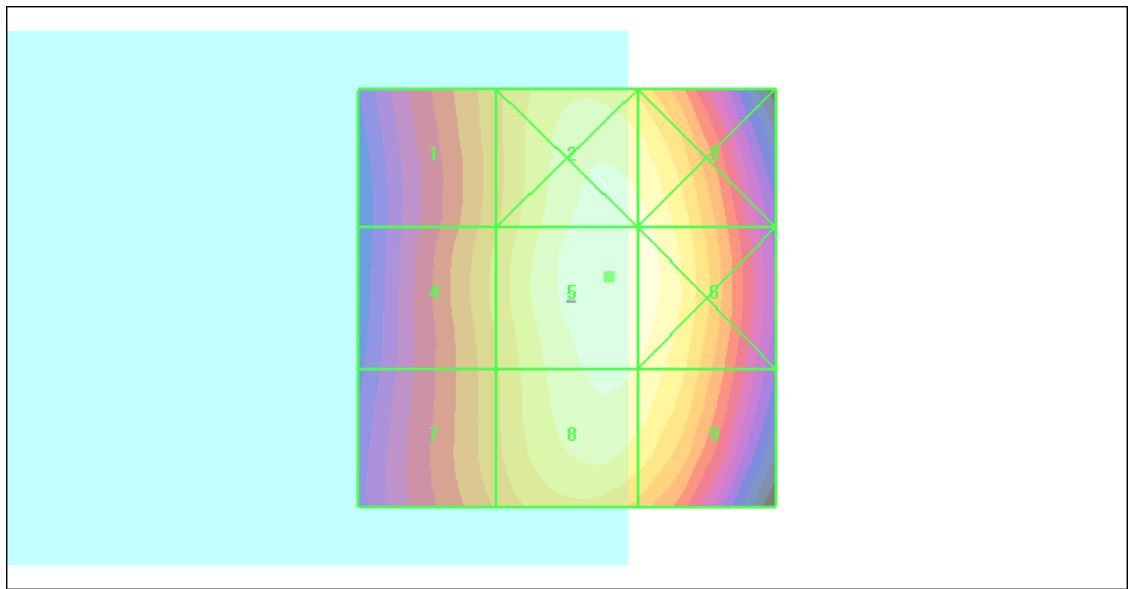
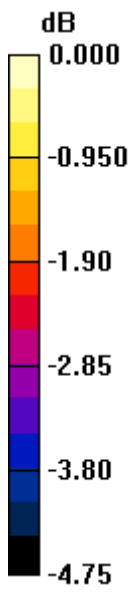
Grid 1 <b>42.2 M4</b>	Grid 2 <b>48.4 M4</b>	Grid 3 <b>48.0 M4</b>
Grid 4 <b>42.9 M4</b>	Grid 5 <b>49.0 M4</b>	Grid 6 <b>48.5 M4</b>
Grid 7 <b>42.2 M4</b>	Grid 8 <b>47.7 M4</b>	Grid 9 <b>47.2 M4</b>

**Cursor:**

Total = 49.0 V/m

E Category: M4

Location: -5, -2.5, 8.7 mm



0 dB = 49.0V/m

**#04 HAC\_E\_WCDMA\_II\_Ch9262**

**DUT: 982009-02**

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 : 22.7

DASY4 Configuration:

- Probe: ER3DV6 - SN2358; ConvF(1, 1, 1); Calibrated: 2009/1/14
- Sensor-Surface: (Fix Surface)
- Electronics: DAE3 Sn577; Calibrated: 2009/8/24
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

**Ch9262/Hearing Aid Compatibility Test (101x101x1):** Measurement grid: dx=5mm, dy=5mm

Maximum value of peak Total field = 32.3 V/m

Probe Modulation Factor = 0.977

Device Reference Point: 0.000, 0.000, -6.30 mm

Reference Value = 31.5 V/m; Power Drift = 0.160 dB

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

Peak E-field in V/m

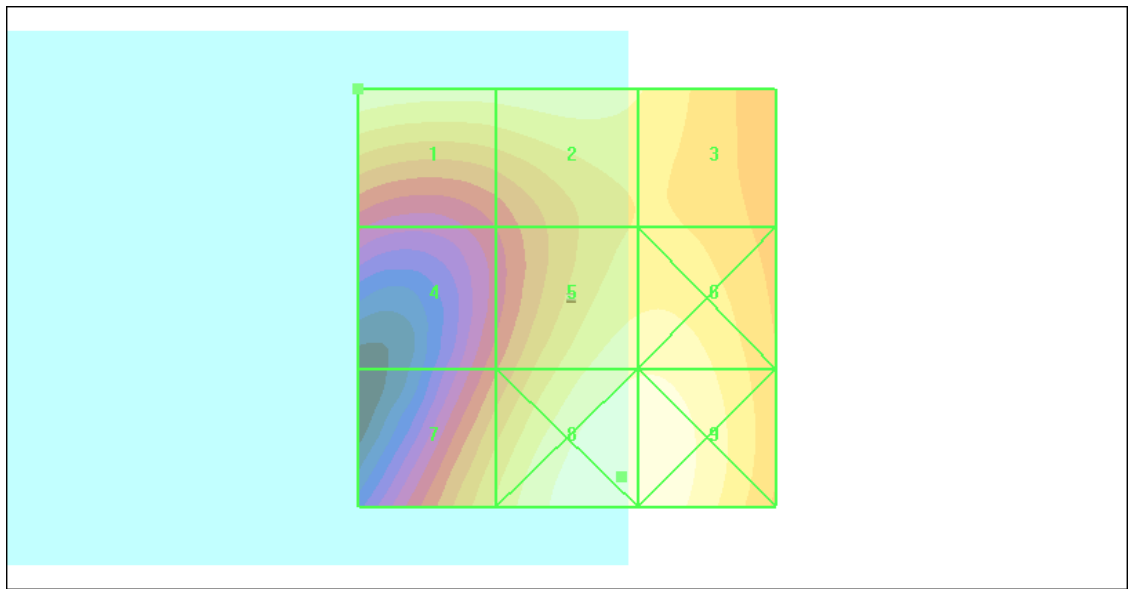
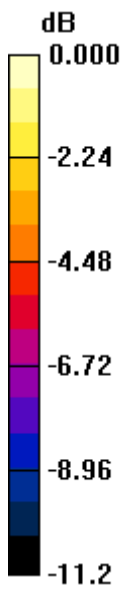
Grid 1 <b>32.3 M4</b>	Grid 2 <b>32.0 M4</b>	Grid 3 <b>30.2 M4</b>
Grid 4 <b>21.0 M4</b>	Grid 5 <b>32.2 M4</b>	Grid 6 <b>32.3 M4</b>
Grid 7 <b>27.9 M4</b>	Grid 8 <b>35.5 M4</b>	Grid 9 <b>35.3 M4</b>

**Cursor:**

Total = 35.5 V/m

E Category: M4

Location: -6.5, 21.5, 8.7 mm



0 dB = 35.5V/m

**#05 HAC\_E\_WCDMA\_II\_Ch9400**

**DUT: 982009-02**

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 : 22.7

DASY4 Configuration:

- Probe: ER3DV6 - SN2358; ConvF(1, 1, 1); Calibrated: 2009/1/14
- Sensor-Surface: (Fix Surface)
- Electronics: DAE3 Sn577; Calibrated: 2009/8/24
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

**Ch9400/Hearing Aid Compatibility Test (101x101x1):** Measurement grid: dx=5mm, dy=5mm

Maximum value of peak Total field = 34.6 V/m

Probe Modulation Factor = 0.977

Device Reference Point: 0.000, 0.000, -6.30 mm

Reference Value = 31.7 V/m; Power Drift = 0.307 dB

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

Peak E-field in V/m

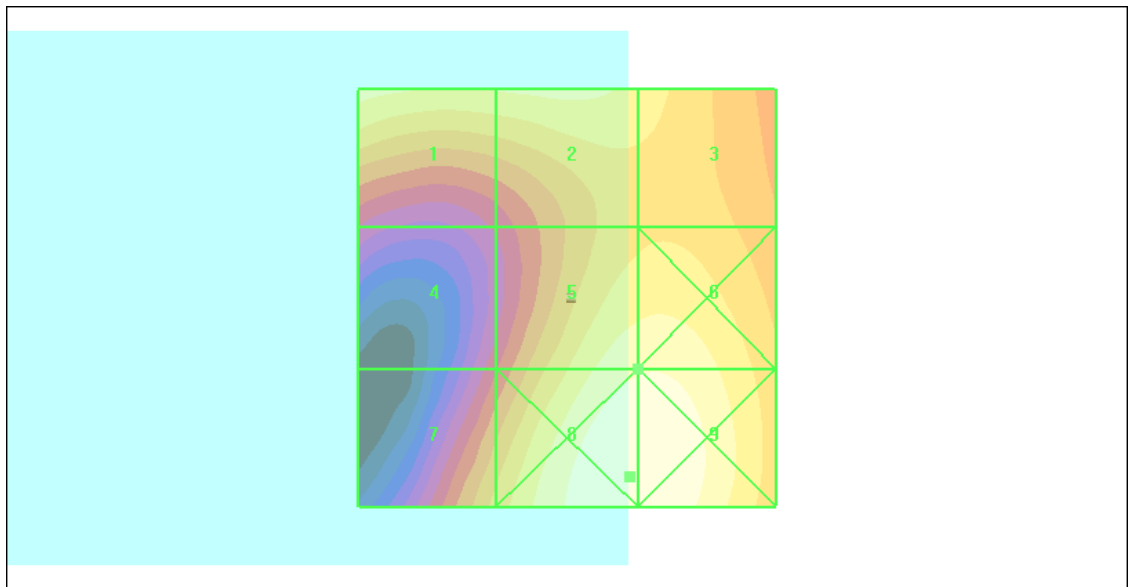
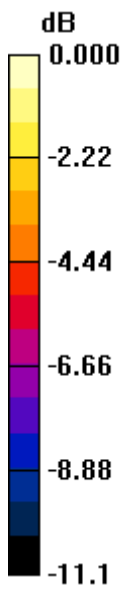
Grid 1 <b>33.1 M4</b>	Grid 2 <b>33.0 M4</b>	Grid 3 <b>31.1 M4</b>
Grid 4 <b>20.9 M4</b>	Grid 5 <b>34.6 M4</b>	Grid 6 <b>34.8 M4</b>
Grid 7 <b>28.1 M4</b>	Grid 8 <b>38.1 M4</b>	Grid 9 <b>38.0 M4</b>

**Cursor:**

Total = 38.1 V/m

E Category: M4

Location: -7.5, 21.5, 8.7 mm



0 dB = 38.1V/m

**#06 HAC\_E\_WCDMA\_II\_Ch9538**

**DUT: 982009-02**

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 : 22.7

DASY4 Configuration:

- Probe: ER3DV6 - SN2358; ConvF(1, 1, 1); Calibrated: 2009/1/14
- Sensor-Surface: (Fix Surface)
- Electronics: DAE3 Sn577; Calibrated: 2009/8/24
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

**Ch9538/Hearing Aid Compatibility Test (101x101x1):** Measurement grid: dx=5mm, dy=5mm

Maximum value of peak Total field = 37.0 V/m

Probe Modulation Factor = 0.977

Device Reference Point: 0.000, 0.000, -6.30 mm

Reference Value = 35.4 V/m; Power Drift = 0.031 dB

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

Peak E-field in V/m

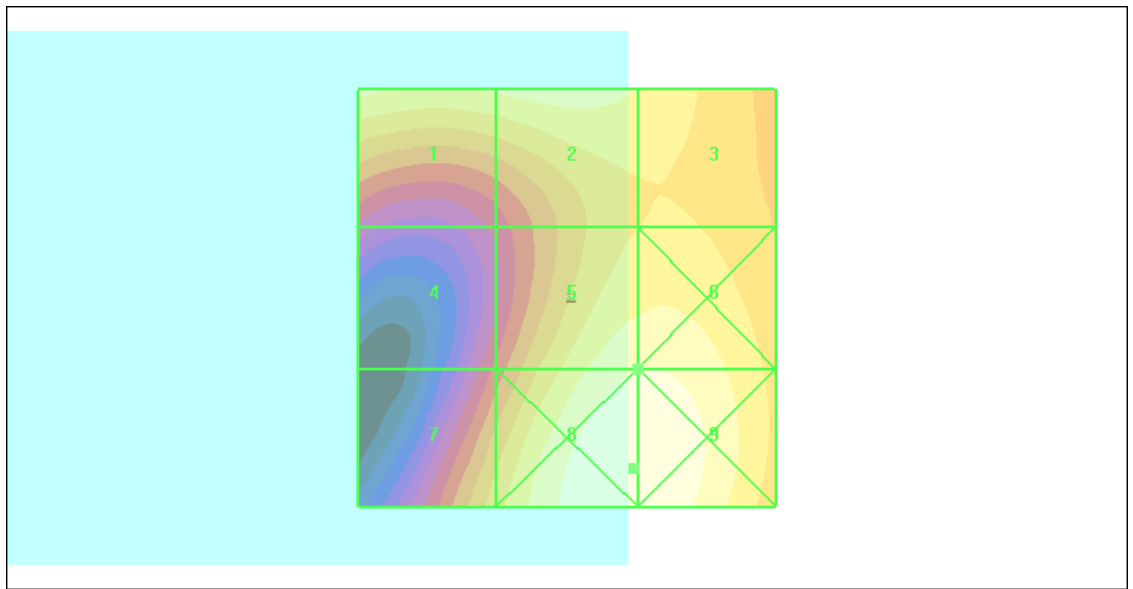
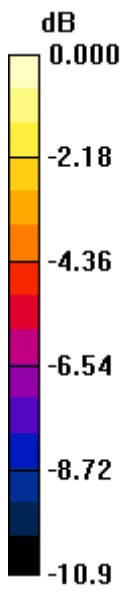
Grid 1 <b>35.1 M4</b>	Grid 2 <b>35.8 M4</b>	Grid 3 <b>34.2 M4</b>
Grid 4 <b>23.2 M4</b>	Grid 5 <b>37.0 M4</b>	Grid 6 <b>37.2 M4</b>
Grid 7 <b>30.4 M4</b>	Grid 8 <b>40.4 M4</b>	Grid 9 <b>40.4 M4</b>

**Cursor:**

Total = 40.4 V/m

E Category: M4

Location: -8, 20.5, 8.7 mm



0 dB = 40.4V/m



**#22 HAC\_H\_GSM850\_Ch128**

**DUT: 982009-02**

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 : 22.1

DASY4 Configuration:

- Probe: H3DV6 - SN6184; ; Calibrated: 2009/1/19
- Sensor-Surface: (Fix Surface)
- Electronics: DAE3 Sn577; Calibrated: 2009/8/24
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

**Ch128/Hearing Aid Compatibility Test (101x101x1):** Measurement grid: dx=5mm, dy=5mm

Maximum value of peak Total field = 0.165 A/m

Probe Modulation Factor = 1.50

Device Reference Point: 0.000, 0.000, -6.30 mm

Reference Value = 0.055 A/m; Power Drift = -0.035 dB

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

Peak H-field in A/m

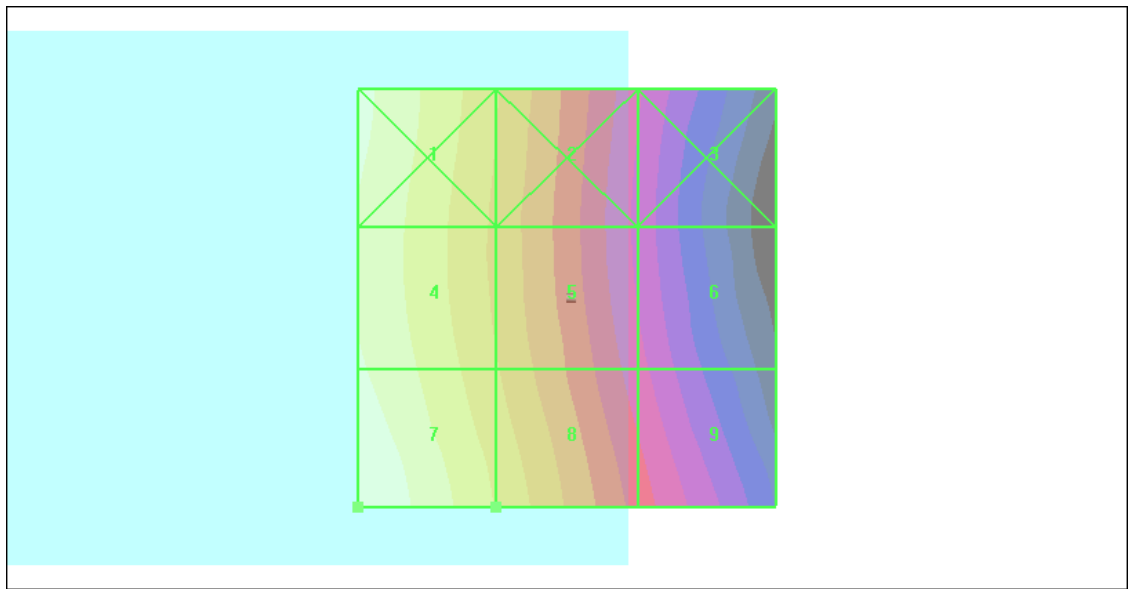
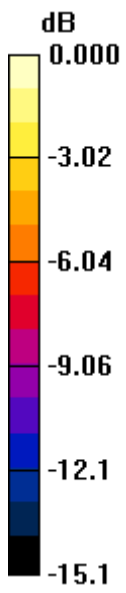
Grid 1 <b>0.153 M4</b>	Grid 2 <b>0.105 M4</b>	Grid 3 <b>0.060 M4</b>
Grid 4 <b>0.149 M4</b>	Grid 5 <b>0.105 M4</b>	Grid 6 <b>0.061 M4</b>
Grid 7 <b>0.165 M4</b>	Grid 8 <b>0.116 M4</b>	Grid 9 <b>0.070 M4</b>

**Cursor:**

Total = 0.165 A/m

H Category: M4

Location: 25, 25, 8.7 mm



0 dB = 0.165A/m

**#23 HAC\_H\_GSM850\_Ch189**

**DUT: 982009-02**

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 : 22.1

DASY4 Configuration:

- Probe: H3DV6 - SN6184; ; Calibrated: 2009/1/19
- Sensor-Surface: (Fix Surface)
- Electronics: DAE3 Sn577; Calibrated: 2009/8/24
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

**Ch189/Hearing Aid Compatibility Test (101x101x1):** Measurement grid: dx=5mm, dy=5mm

Maximum value of peak Total field = 0.197 A/m

Probe Modulation Factor = 1.50

Device Reference Point: 0.000, 0.000, -6.30 mm

Reference Value = 0.065 A/m; Power Drift = -0.084 dB

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

Peak H-field in A/m

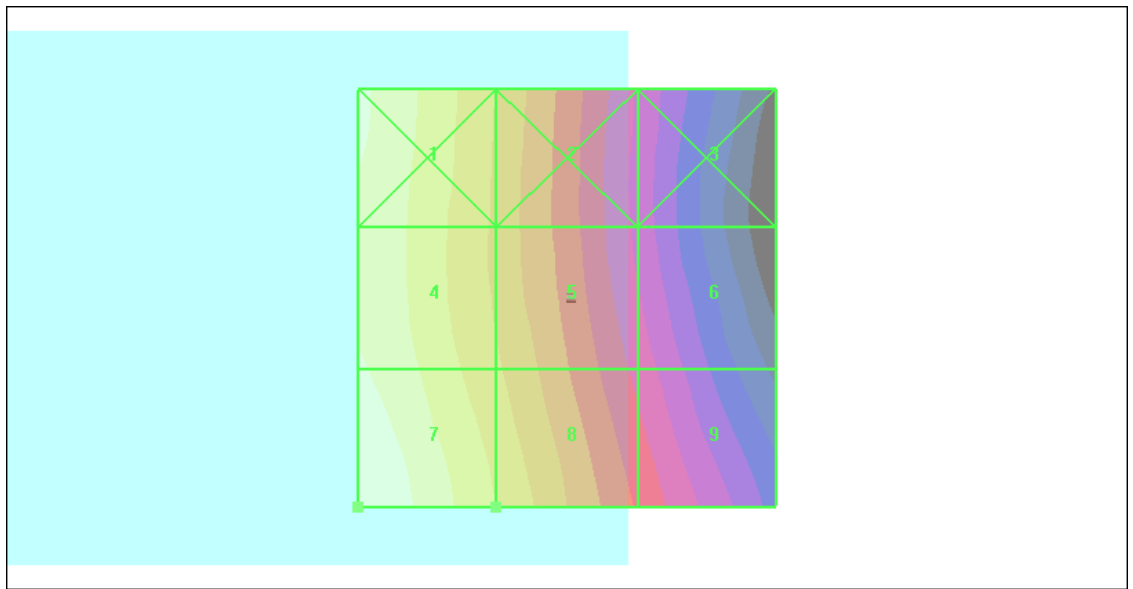
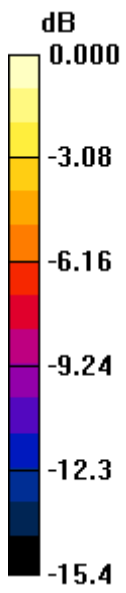
Grid 1 <b>0.179 M4</b>	Grid 2 <b>0.122 M4</b>	Grid 3 <b>0.067 M4</b>
Grid 4 <b>0.178 M4</b>	Grid 5 <b>0.125 M4</b>	Grid 6 <b>0.074 M4</b>
Grid 7 <b>0.197 M4</b>	Grid 8 <b>0.138 M4</b>	Grid 9 <b>0.085 M4</b>

**Cursor:**

Total = 0.197 A/m

H Category: M4

Location: 25, 25, 8.7 mm



0 dB = 0.197A/m

**#24 HAC\_H\_GSM850\_Ch251**

**DUT: 982009-02**

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 : 22.1

DASY4 Configuration:

- Probe: H3DV6 - SN6184; ; Calibrated: 2009/1/19
- Sensor-Surface: (Fix Surface)
- Electronics: DAE3 Sn577; Calibrated: 2009/8/24
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

**C251/Hearing Aid Compatibility Test (101x101x1):** Measurement grid: dx=5mm, dy=5mm

Maximum value of peak Total field = 0.218 A/m

Probe Modulation Factor = 1.50

Device Reference Point: 0.000, 0.000, -6.30 mm

Reference Value = 0.072 A/m; Power Drift = -0.032 dB

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

Peak H-field in A/m

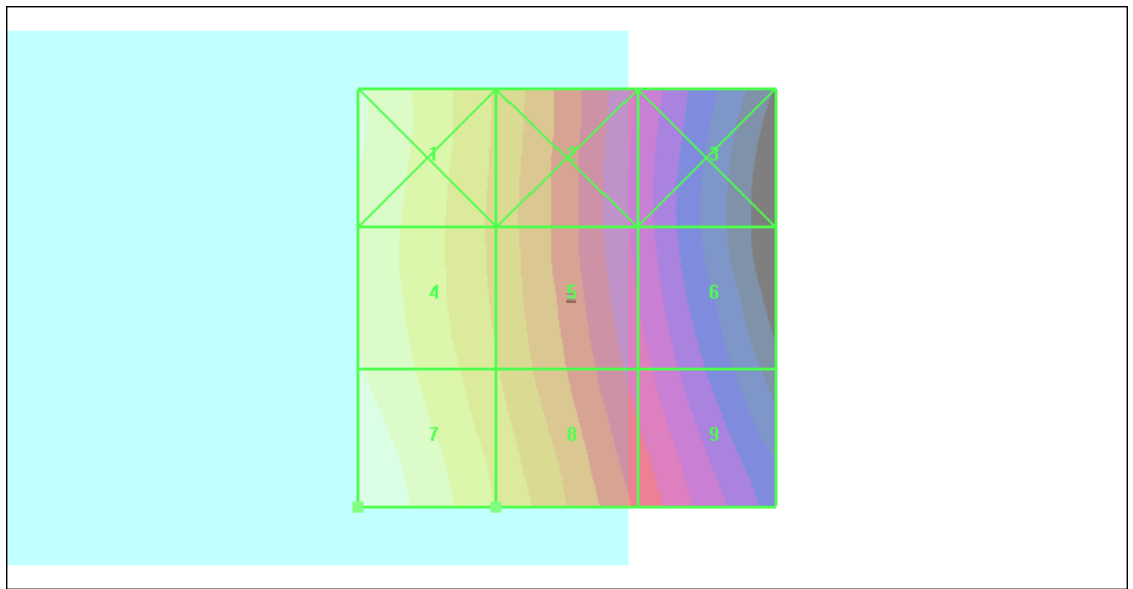
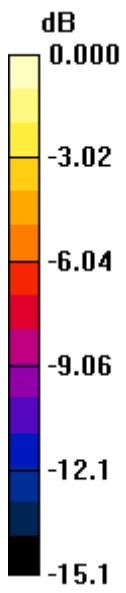
Grid 1 <b>0.198 M4</b>	Grid 2 <b>0.135 M4</b>	Grid 3 <b>0.077 M4</b>
Grid 4 <b>0.196 M4</b>	Grid 5 <b>0.139 M4</b>	Grid 6 <b>0.082 M4</b>
Grid 7 <b>0.218 M4</b>	Grid 8 <b>0.153 M4</b>	Grid 9 <b>0.095 M4</b>

**Cursor:**

Total = 0.218 A/m

H Category: M4

Location: 25, 25, 8.7 mm



0 dB = 0.218A/m

**#13 HAC\_H\_GSM1900\_Ch512**

**DUT: 982009-02**

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 : 22.2

DASY4 Configuration:

- Probe: H3DV6 - SN6184; ; Calibrated: 2009/1/19
- Sensor-Surface: (Fix Surface)
- Electronics: DAE3 Sn577; Calibrated: 2009/8/24
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

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

Maximum value of peak Total field = 0.099 A/m

Probe Modulation Factor = 1.28

Device Reference Point: 0.000, 0.000, -6.30 mm

Reference Value = 0.073 A/m; Power Drift = -0.006 dB

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

Peak H-field in A/m

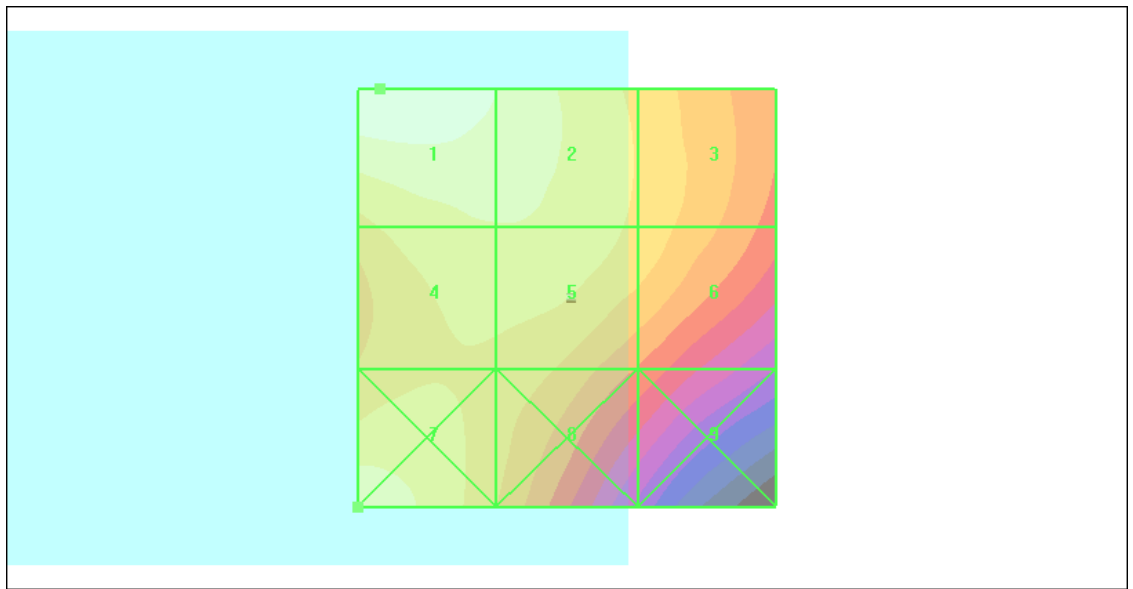
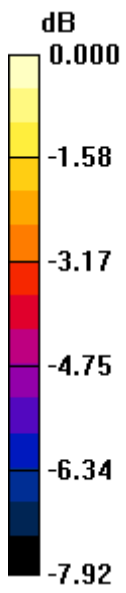
Grid 1 <b>0.099 M4</b>	Grid 2 <b>0.093 M4</b>	Grid 3 <b>0.082 M4</b>
Grid 4 <b>0.088 M4</b>	Grid 5 <b>0.088 M4</b>	Grid 6 <b>0.081 M4</b>
Grid 7 <b>0.091 M4</b>	Grid 8 <b>0.081 M4</b>	Grid 9 <b>0.068 M4</b>

**Cursor:**

Total = 0.099 A/m

H Category: M4

Location: 22.5, -25, 8.7 mm



0 dB = 0.099A/m



**#14 HAC\_H\_GSM1900\_Ch661**

**DUT: 982009-02**

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 : 22.2

DASY4 Configuration:

- Probe: H3DV6 - SN6184; ; Calibrated: 2009/1/19
- Sensor-Surface: (Fix Surface)
- Electronics: DAE3 Sn577; Calibrated: 2009/8/24
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

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

Maximum value of peak Total field = 0.112 A/m

Probe Modulation Factor = 1.28

Device Reference Point: 0.000, 0.000, -6.30 mm

Reference Value = 0.082 A/m; Power Drift = 0.014 dB

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

Peak H-field in A/m

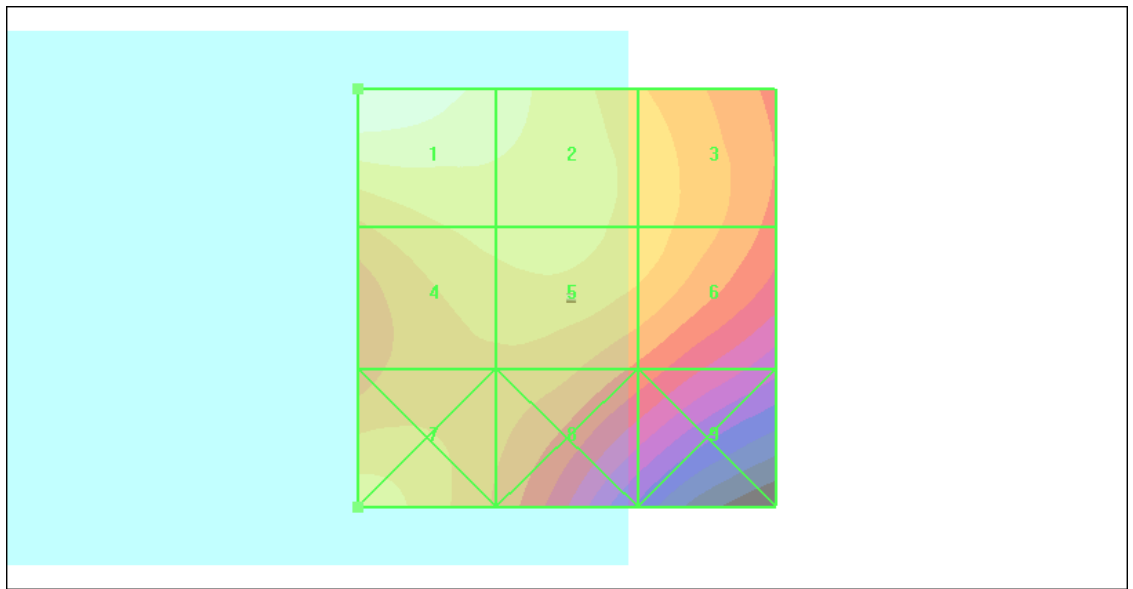
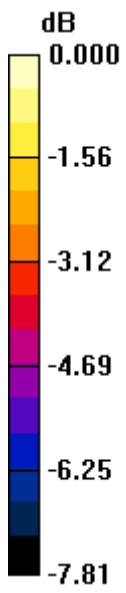
Grid 1 <b>0.112 M4</b>	Grid 2 <b>0.103 M4</b>	Grid 3 <b>0.092 M4</b>
Grid 4 <b>0.095 M4</b>	Grid 5 <b>0.096 M4</b>	Grid 6 <b>0.091 M4</b>
Grid 7 <b>0.097 M4</b>	Grid 8 <b>0.087 M4</b>	Grid 9 <b>0.077 M4</b>

**Cursor:**

Total = 0.112 A/m

H Category: M4

Location: 25, -25, 8.7 mm



0 dB = 0.112A/m

**#15 HAC\_H\_GSM1900\_Ch810**

**DUT: 982009-02**

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 : 22.2

DASY4 Configuration:

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

- Sensor-Surface: (Fix Surface)

- Electronics: DAE3 Sn577; Calibrated: 2009/8/24

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

- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

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

Maximum value of peak Total field = 0.132 A/m

Probe Modulation Factor = 1.28

Device Reference Point: 0.000, 0.000, -6.30 mm

Reference Value = 0.091 A/m; Power Drift = 0.000 dB

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

Peak H-field in A/m

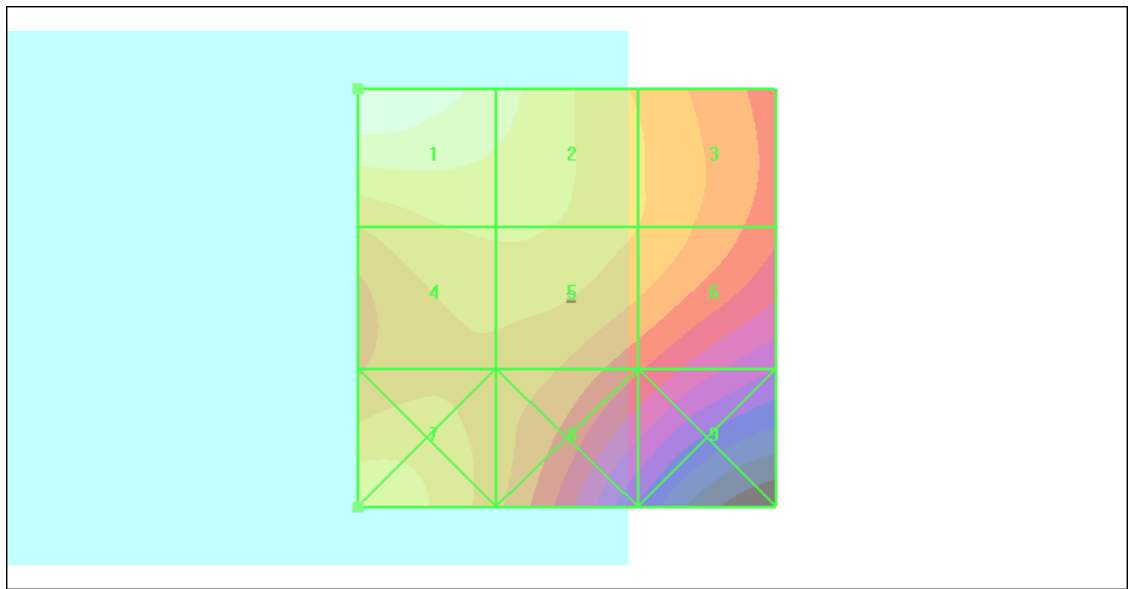
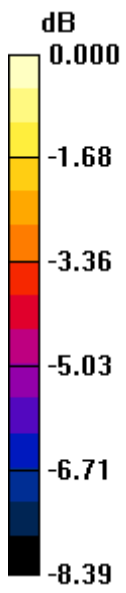
Grid 1 <b>0.132 M4</b>	Grid 2 <b>0.120 M4</b>	Grid 3 <b>0.103 M4</b>
Grid 4 <b>0.110 M4</b>	Grid 5 <b>0.110 M4</b>	Grid 6 <b>0.102 M4</b>
Grid 7 <b>0.114 M4</b>	Grid 8 <b>0.100 M4</b>	Grid 9 <b>0.085 M4</b>

**Cursor:**

Total = 0.132 A/m

H Category: M4

Location: 25, -25, 8.7 mm



0 dB = 0.132A/m

**#19 HAC\_H\_WCDMA V\_Ch4132**

**DUT: 982009-02**

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 : 22.1

DASY4 Configuration:

- Probe: H3DV6 - SN6184; ; Calibrated: 2009/1/19
- Sensor-Surface: (Fix Surface)
- Electronics: DAE3 Sn577; Calibrated: 2009/8/24
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

**Ch4132/Hearing Aid Compatibility Test (101x101x1):** Measurement grid: dx=5mm, dy=5mm

Maximum value of peak Total field = 0.067 A/m

Probe Modulation Factor = 0.833

Device Reference Point: 0.000, 0.000, -6.30 mm

Reference Value = 0.044 A/m; Power Drift = 0.051 dB

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

Peak H-field in A/m

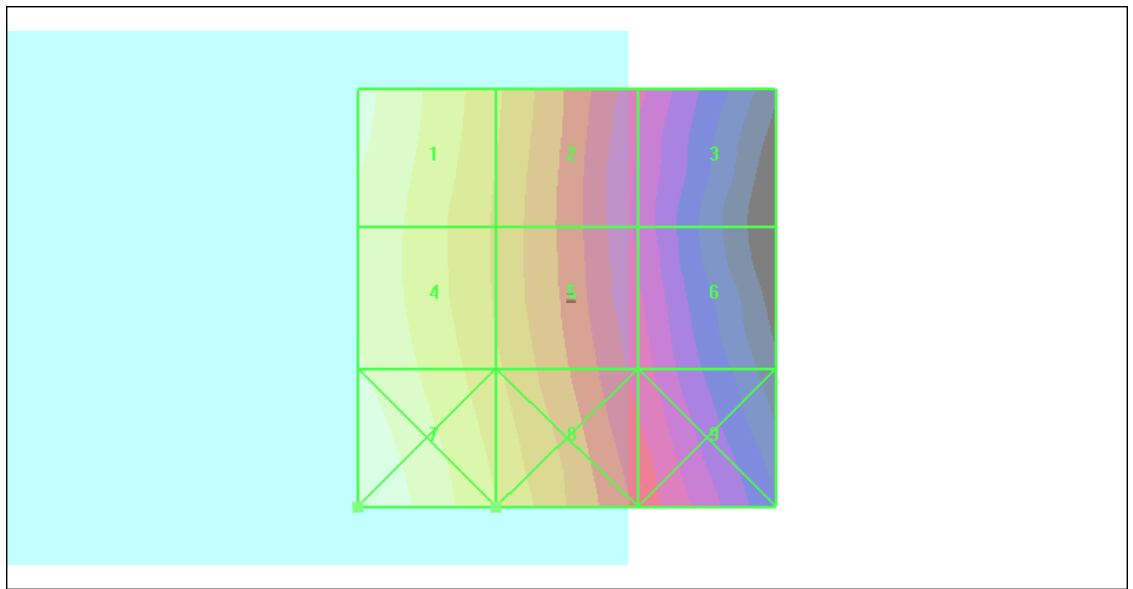
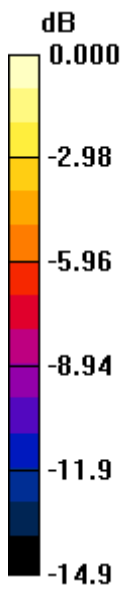
Grid 1 <b>0.067 M4</b>	Grid 2 <b>0.046 M4</b>	Grid 3 <b>0.027 M4</b>
Grid 4 <b>0.065 M4</b>	Grid 5 <b>0.047 M4</b>	Grid 6 <b>0.028 M4</b>
Grid 7 <b>0.072 M4</b>	Grid 8 <b>0.051 M4</b>	Grid 9 <b>0.032 M4</b>

**Cursor:**

Total = 0.072 A/m

H Category: M4

Location: 25, 25, 8.7 mm



0 dB = 0.072A/m

**#20 HAC\_H\_WCDMA V\_Ch4182**

**DUT: 982009-02**

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 : 22.1

DASY4 Configuration:

- Probe: H3DV6 - SN6184; ; Calibrated: 2009/1/19
- Sensor-Surface: (Fix Surface)
- Electronics: DAE3 Sn577; Calibrated: 2009/8/24
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

**Ch4182/Hearing Aid Compatibility Test (101x101x1):** Measurement grid: dx=5mm, dy=5mm

Maximum value of peak Total field = 0.084 A/m

Probe Modulation Factor = 0.833

Device Reference Point: 0.000, 0.000, -6.30 mm

Reference Value = 0.052 A/m; Power Drift = -0.029 dB

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

Peak H-field in A/m

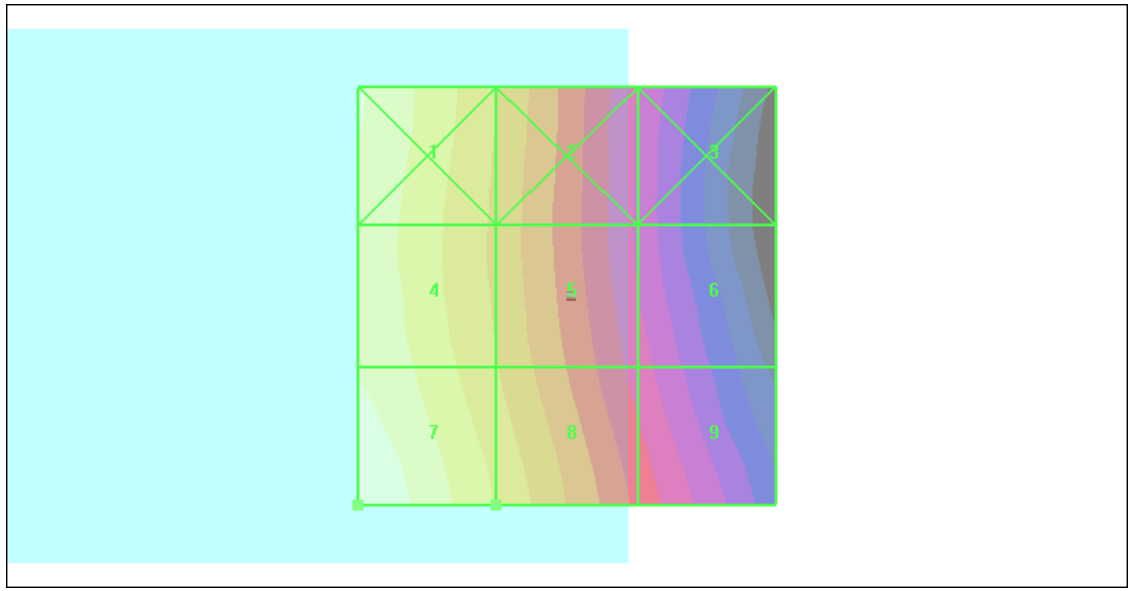
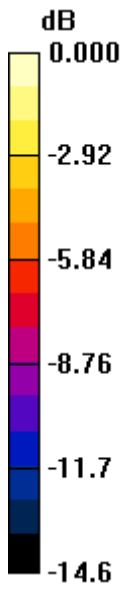
Grid 1 <b>0.076 M4</b>	Grid 2 <b>0.054 M4</b>	Grid 3 <b>0.031 M4</b>
Grid 4 <b>0.075 M4</b>	Grid 5 <b>0.054 M4</b>	Grid 6 <b>0.033 M4</b>
Grid 7 <b>0.084 M4</b>	Grid 8 <b>0.060 M4</b>	Grid 9 <b>0.037 M4</b>

**Cursor:**

Total = 0.084 A/m

H Category: M4

Location: 25, 25, 8.7 mm



0 dB = 0.084A/m



**#21 HAC\_H\_WCDMA V\_Ch4233**

**DUT: 982009-02**

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 : 22.1

DASY4 Configuration:

- Probe: H3DV6 - SN6184; ; Calibrated: 2009/1/19
- Sensor-Surface: (Fix Surface)
- Electronics: DAE3 Sn577; Calibrated: 2009/8/24
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

**Ch4233/Hearing Aid Compatibility Test (101x101x1):** Measurement grid: dx=5mm, dy=5mm

Maximum value of peak Total field = 0.080 A/m

Probe Modulation Factor = 0.833

Device Reference Point: 0.000, 0.000, -6.30 mm

Reference Value = 0.055 A/m; Power Drift = 0.055 dB

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

Peak H-field in A/m

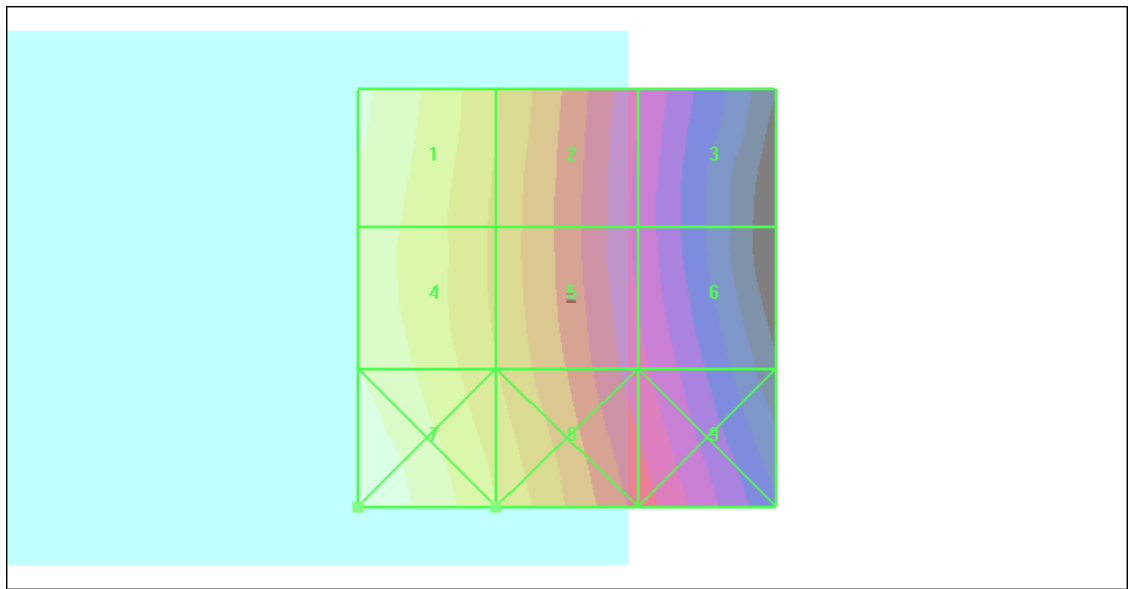
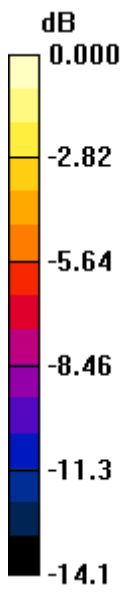
Grid 1 <b>0.080 M4</b>	Grid 2 <b>0.057 M4</b>	Grid 3 <b>0.033 M4</b>
Grid 4 <b>0.078 M4</b>	Grid 5 <b>0.057 M4</b>	Grid 6 <b>0.034 M4</b>
Grid 7 <b>0.087 M4</b>	Grid 8 <b>0.063 M4</b>	Grid 9 <b>0.039 M4</b>

**Cursor:**

Total = 0.087 A/m

H Category: M4

Location: 25, 25, 8.7 mm



0 dB = 0.087A/m

**#16 HAC\_H\_WCDMA II\_Ch9262**

**DUT: 982009-02**

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 : 22.2

DASY4 Configuration:

- Probe: H3DV6 - SN6184; ; Calibrated: 2009/1/19
- Sensor-Surface: (Fix Surface)
- Electronics: DAE3 Sn577; Calibrated: 2009/8/24
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

**Ch9262/Hearing Aid Compatibility Test (101x101x1):** Measurement grid: dx=5mm, dy=5mm

Maximum value of peak Total field = 0.053 A/m

Probe Modulation Factor = 0.524

Device Reference Point: 0.000, 0.000, -6.30 mm

Reference Value = 0.096 A/m; Power Drift = 0.141 dB

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

Peak H-field in A/m

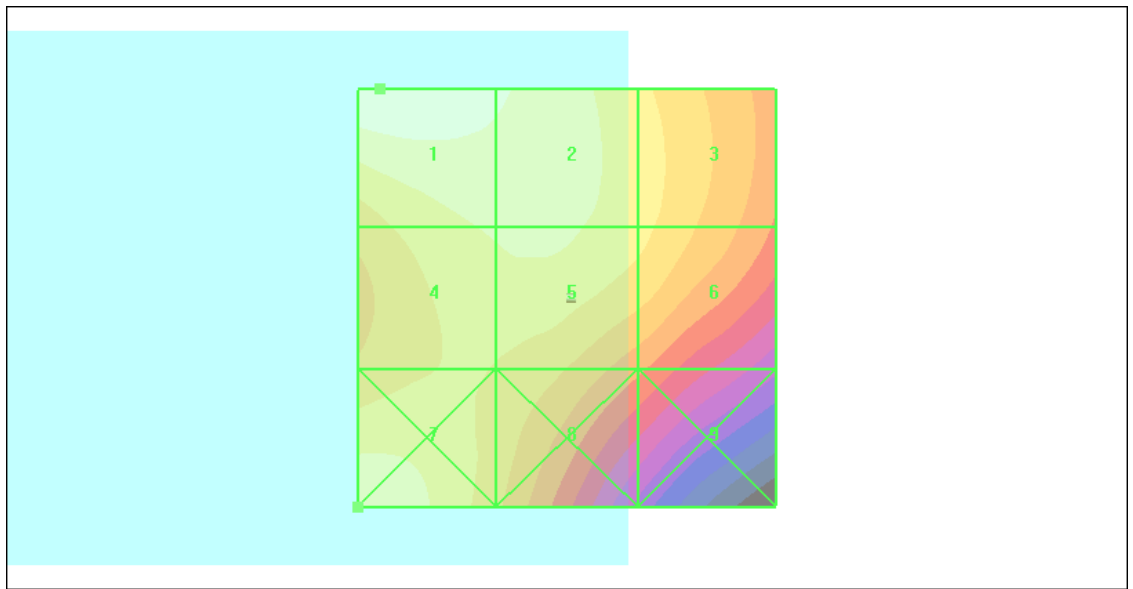
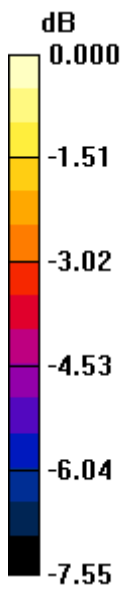
Grid 1 <b>0.053 M4</b>	Grid 2 <b>0.051 M4</b>	Grid 3 <b>0.046 M4</b>
Grid 4 <b>0.048 M4</b>	Grid 5 <b>0.048 M4</b>	Grid 6 <b>0.045 M4</b>
Grid 7 <b>0.049 M4</b>	Grid 8 <b>0.044 M4</b>	Grid 9 <b>0.038 M4</b>

**Cursor:**

Total = 0.053 A/m

H Category: M4

Location: 22.5, -25, 8.7 mm



0 dB = 0.053A/m

**#17 HAC\_H\_WCDMA II\_Ch9400**

**DUT: 982009-02**

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 : 22.2

DASY4 Configuration:

- Probe: H3DV6 - SN6184; ; Calibrated: 2009/1/19
- Sensor-Surface: (Fix Surface)
- Electronics: DAE3 Sn577; Calibrated: 2009/8/24
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

**Ch9262/Hearing Aid Compatibility Test (101x101x1):** Measurement grid: dx=5mm, dy=5mm

Maximum value of peak Total field = 0.055 A/m

Probe Modulation Factor = 0.524

Device Reference Point: 0.000, 0.000, -6.30 mm

Reference Value = 0.097 A/m; Power Drift = 0.277 dB

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

Peak H-field in A/m

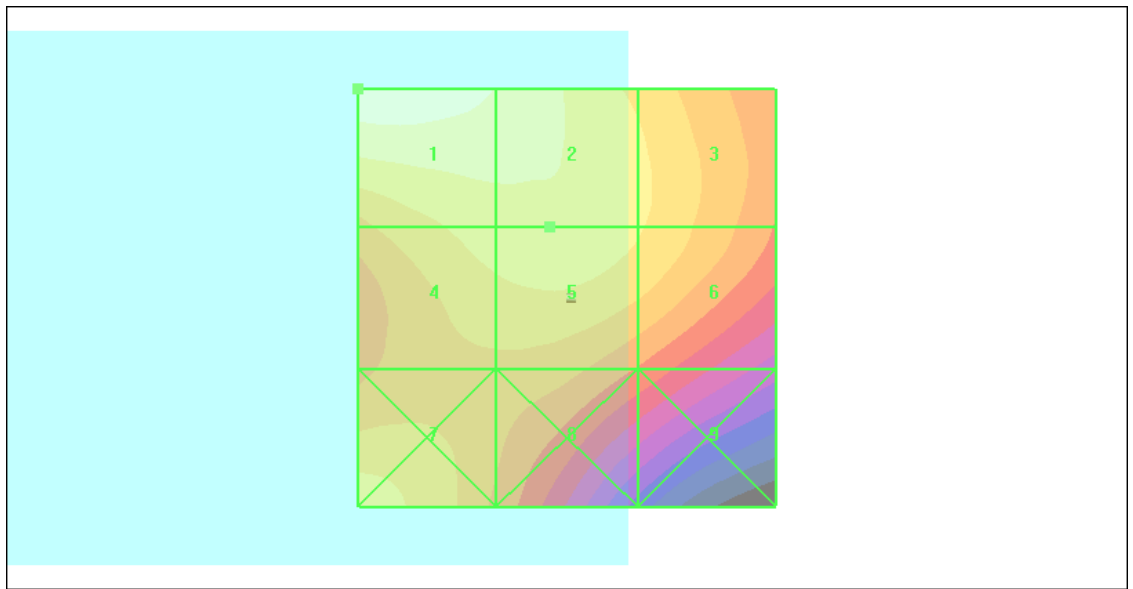
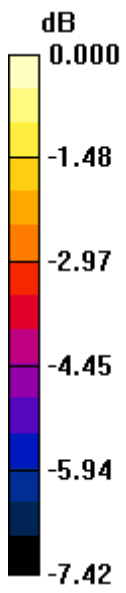
Grid 1 <b>0.055 M4</b>	Grid 2 <b>0.052 M4</b>	Grid 3 <b>0.047 M4</b>
Grid 4 <b>0.048 M4</b>	Grid 5 <b>0.048 M4</b>	Grid 6 <b>0.047 M4</b>
Grid 7 <b>0.048 M4</b>	Grid 8 <b>0.043 M4</b>	Grid 9 <b>0.039 M4</b>

**Cursor:**

Total = 0.055 A/m

H Category: M4

Location: 25, -25, 8.7 mm



0 dB = 0.055A/m

**#18 HAC\_H\_WCDMA II\_Ch9538**

**DUT: 982009-02**

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 : 22.2

DASY4 Configuration:

- Probe: H3DV6 - SN6184; ; Calibrated: 2009/1/19
- Sensor-Surface: (Fix Surface)
- Electronics: DAE3 Sn577; Calibrated: 2009/8/24
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

**Ch9538/Hearing Aid Compatibility Test (101x101x1):** Measurement grid: dx=5mm, dy=5mm

Maximum value of peak Total field = 0.063 A/m

Probe Modulation Factor = 0.524

Device Reference Point: 0.000, 0.000, -6.30 mm

Reference Value = 0.110 A/m; Power Drift = 0.026 dB

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

Peak H-field in A/m

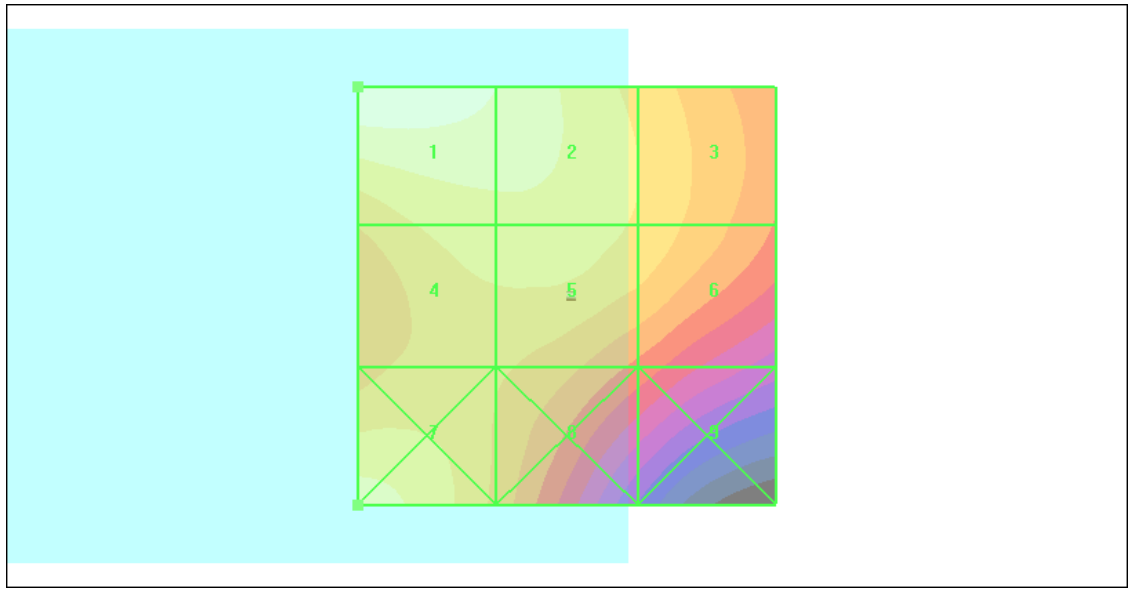
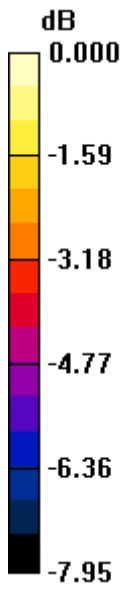
Grid 1 <b>0.063 M4</b>	Grid 2 <b>0.059 M4</b>	Grid 3 <b>0.053 M4</b>
Grid 4 <b>0.055 M4</b>	Grid 5 <b>0.055 M4</b>	Grid 6 <b>0.052 M4</b>
Grid 7 <b>0.057 M4</b>	Grid 8 <b>0.050 M4</b>	Grid 9 <b>0.043 M4</b>

**Cursor:**

Total = 0.063 A/m

H Category: M4

Location: 25, -25, 8.7 mm



0 dB = 0.063A/m