

#04 HAC_E_GSM850 Ch128

DUT: 972007-01

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/m³

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

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

Maximum value of peak Total field = 227.7 V/m

Probe Modulation Factor = 2.65

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 109.4 V/m; Power Drift = 0.00534 dB

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

Peak E-field in V/m

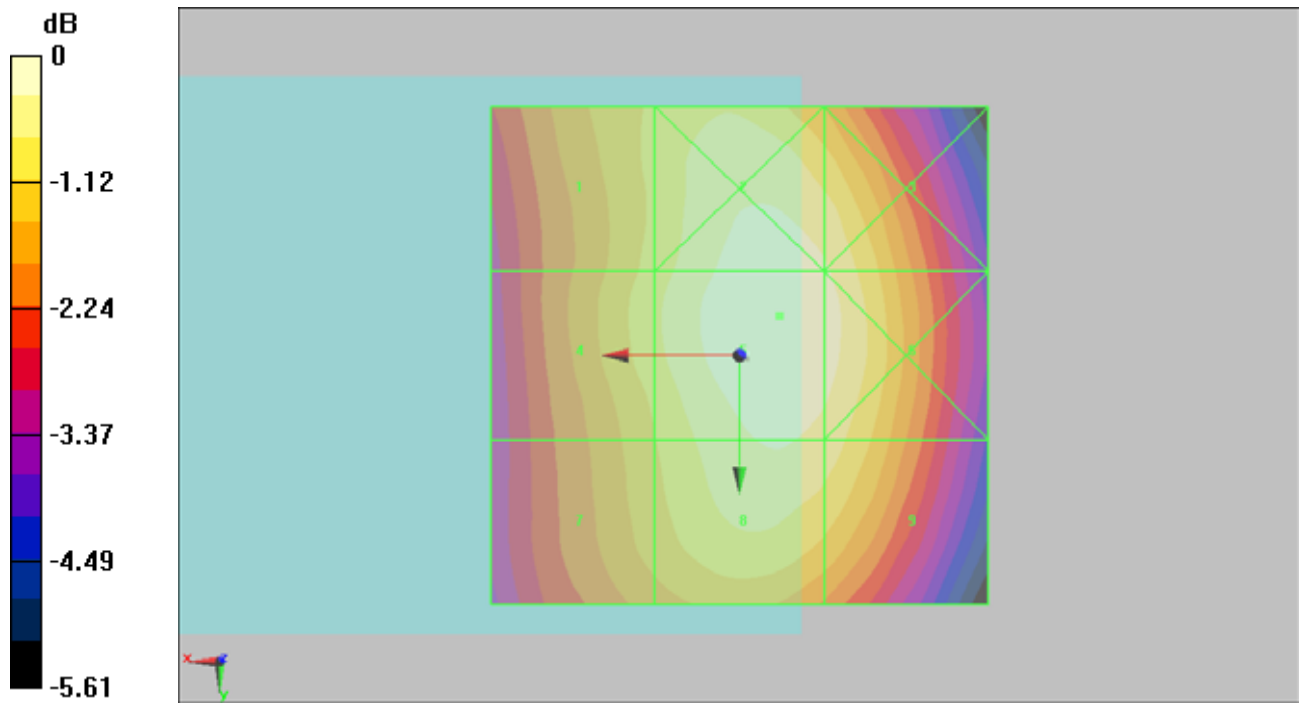
Grid 1 204.5 M3	Grid 2 224.6 M3	Grid 3 219.5 M3
Grid 4 207.3 M3	Grid 5 227.7 M3	Grid 6 222.8 M3
Grid 7 199.9 M3	Grid 8 219.0 M3	Grid 9 214.6 M3

Cursor:

Total = 227.7 V/m

E Category: M3

Location: -4, -4, 8.7 mm



0 dB = 227.7V/m

#05 HAC_E_GSM850 Ch189**DUT: 972007-01**

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/m³

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

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

Maximum value of peak Total field = 250.8 V/m

Probe Modulation Factor = 2.65

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 120.1 V/m; Power Drift = 0.018 dB

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

Peak E-field in V/m

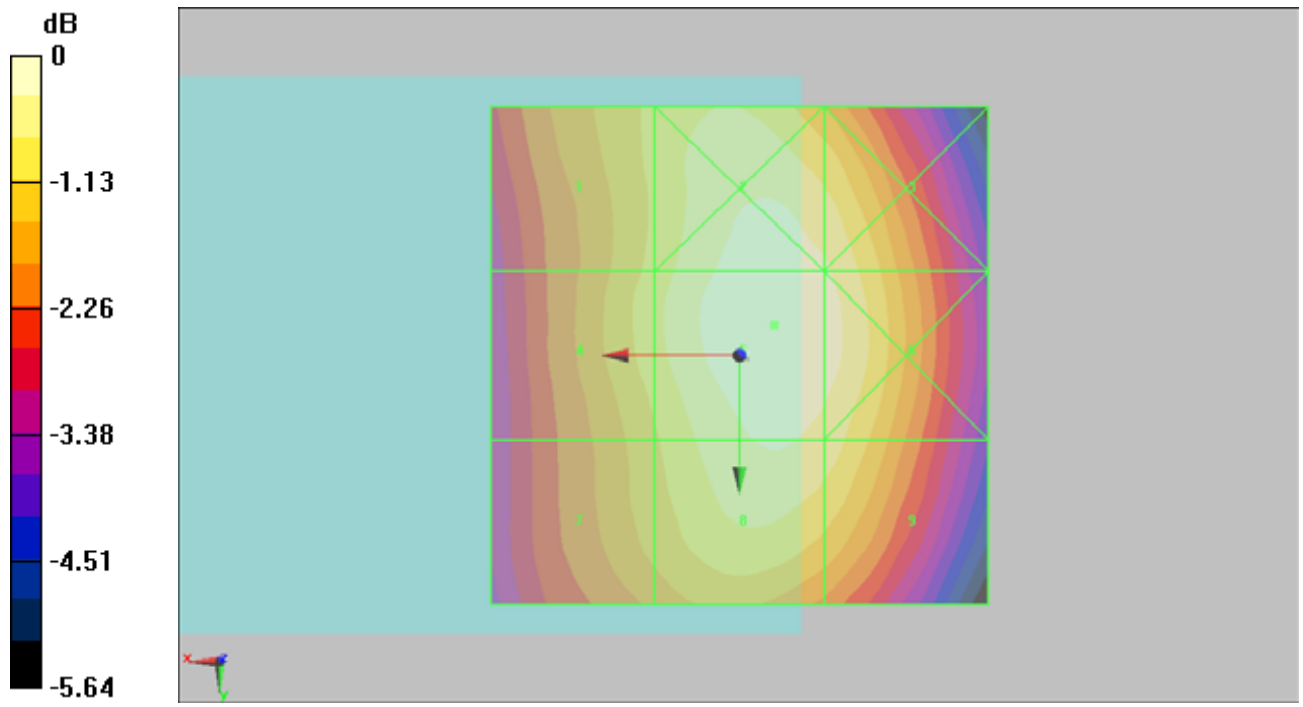
Grid 1 224.4 M3	Grid 2 246.4 M3	Grid 3 241.8 M3
Grid 4 227.4 M3	Grid 5 250.8 M3	Grid 6 245.7 M3
Grid 7 219.2 M3	Grid 8 241.3 M3	Grid 9 236.3 M3

Cursor:

Total = 250.8 V/m

E Category: M3

Location: -3.5, -3, 8.7 mm



0 dB = 250.8V/m

#06 HAC_E_GSM850 Ch251**DUT: 972007-01**

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/m³

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 = 249.3 V/m

Probe Modulation Factor = 2.65

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 119.9 V/m; Power Drift = -0.049 dB

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

Peak E-field in V/m

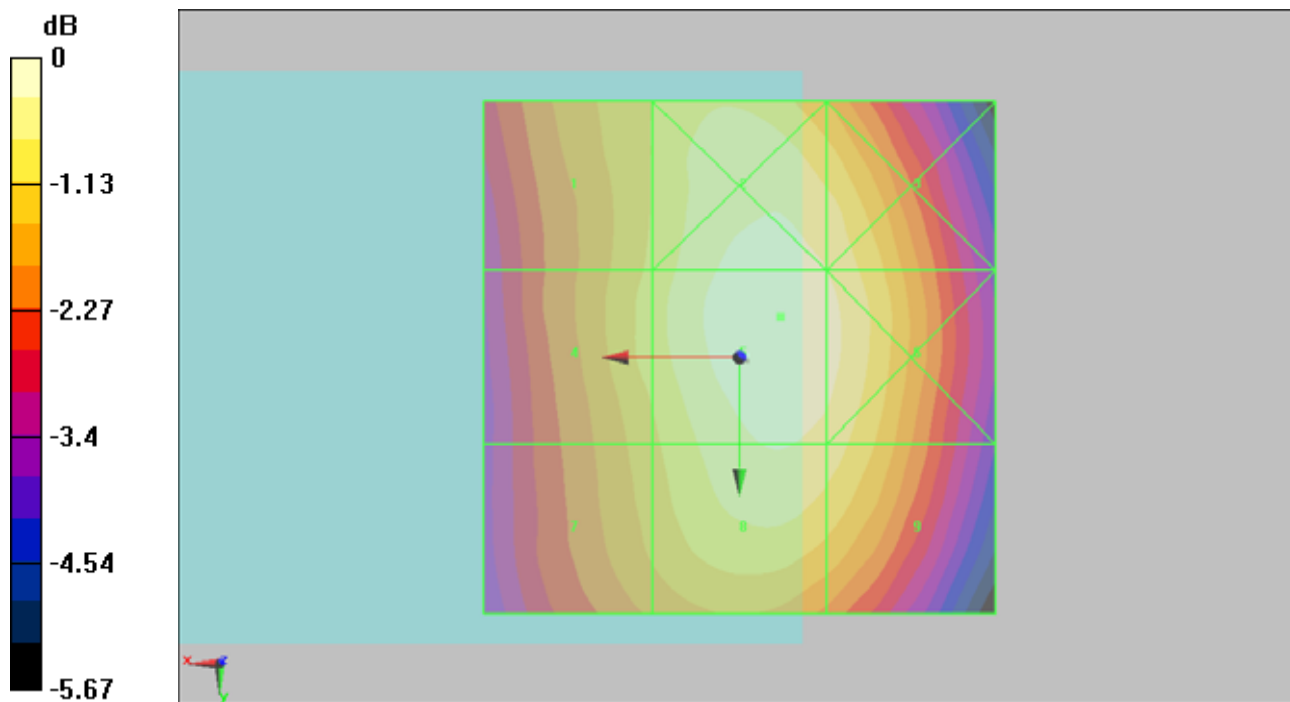
Grid 1 221.6 M3	Grid 2 244.6 M3	Grid 3 238.8 M3
Grid 4 224.2 M3	Grid 5 249.3 M3	Grid 6 242.9 M3
Grid 7 216.6 M3	Grid 8 239.3 M3	Grid 9 234.5 M3

Cursor:

Total = 249.3 V/m

E Category: M3

Location: -4, -4, 8.7 mm



0 dB = 249.3V/m

#01 HAC_E_GSM1900 Ch512

DUT: 972007-01

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/m³
 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 = 60.8 V/m

Probe Modulation Factor = 2.67

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 14.7 V/m; Power Drift = -0.078 dB

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

Peak E-field in V/m

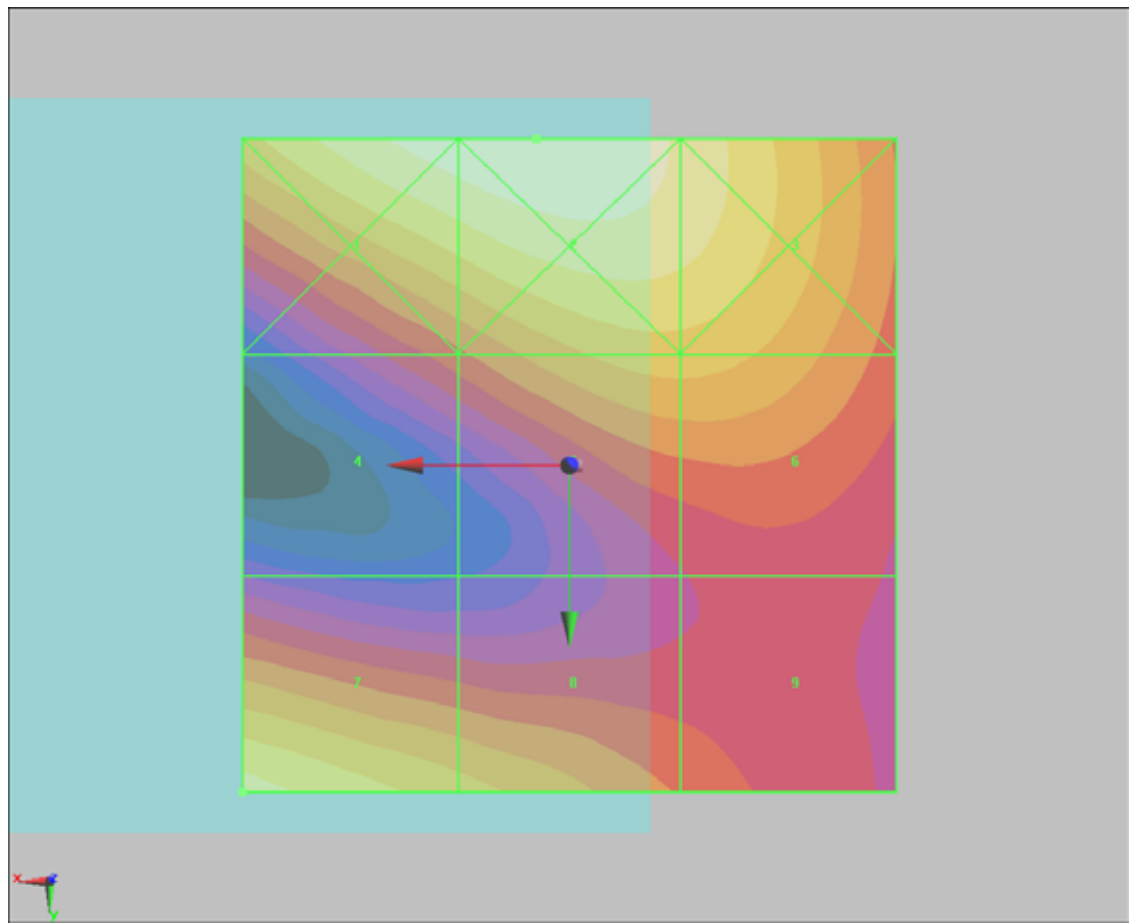
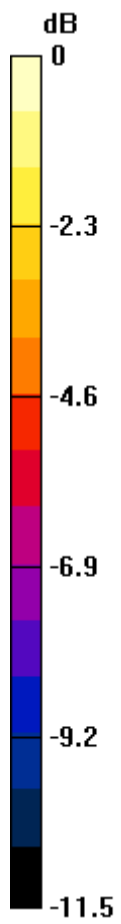
Grid 1 67.5 M3	Grid 2 69.6 M3	Grid 3 62.8 M3
Grid 4 40.2 M4	Grid 5 51.3 M3	Grid 6 51.2 M3
Grid 7 60.8 M3	Grid 8 51.1 M3	Grid 9 40.8 M4

Cursor:

Total = 69.6 V/m

E Category: M3

Location: 2.5, -25, 8.7 mm



0 dB = 69.6V/m

#02 HAC_E_GSM1900 Ch661**DUT: 972007-01**

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/m³

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

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

Maximum value of peak Total field = 48 V/m

Probe Modulation Factor = 2.67

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 10.7 V/m; Power Drift = 0.054 dB

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

Peak E-field in V/m

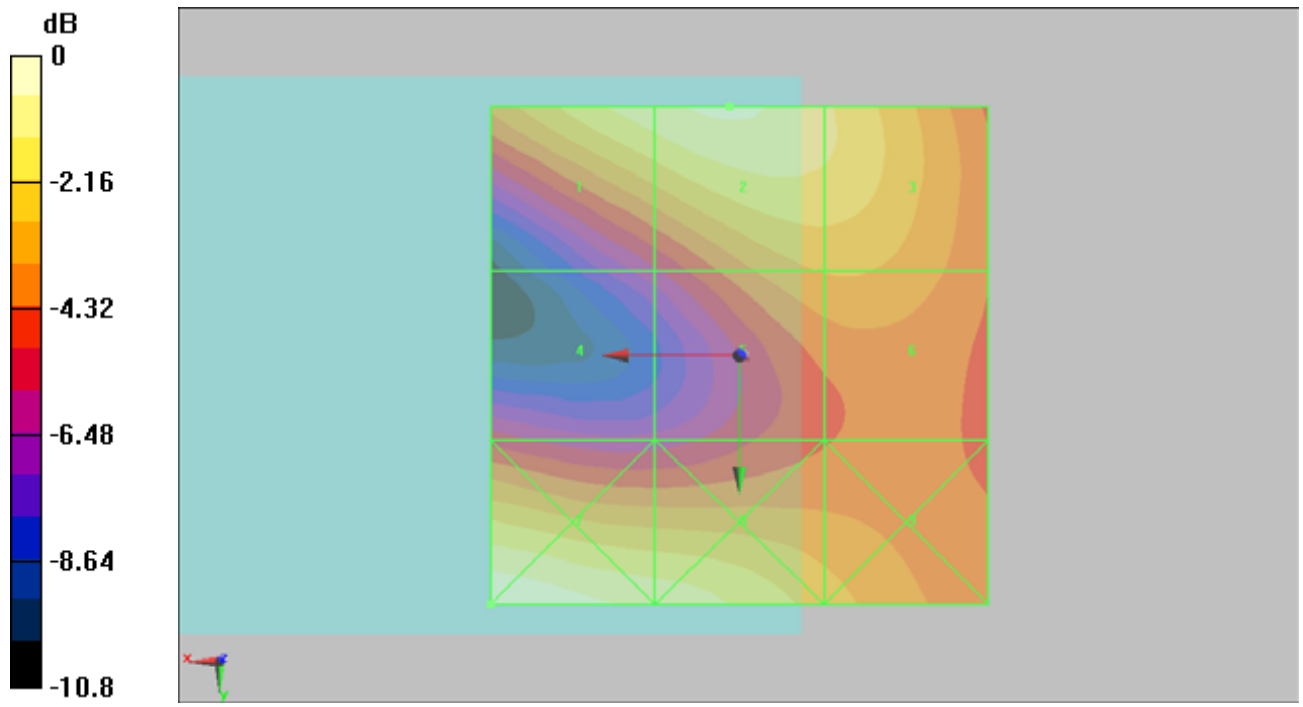
Grid 1 46.1 M4	Grid 2 48 M3	Grid 3 44.4 M4
Grid 4 27.9 M4	Grid 5 37.1 M4	Grid 6 37.3 M4
Grid 7 51.4 M3	Grid 8 46.4 M4	Grid 9 38.6 M4

Cursor:

Total = 51.4 V/m

E Category: M3

Location: 25, 25, 8.7 mm



0 dB = 51.4V/m

#03 HAC_E_GSM1900 Ch810

DUT: 972007-01

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/m³
 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 = 42.5 V/m

Probe Modulation Factor = 2.67

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 10.7 V/m; Power Drift = -0.089 dB

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

Peak E-field in V/m

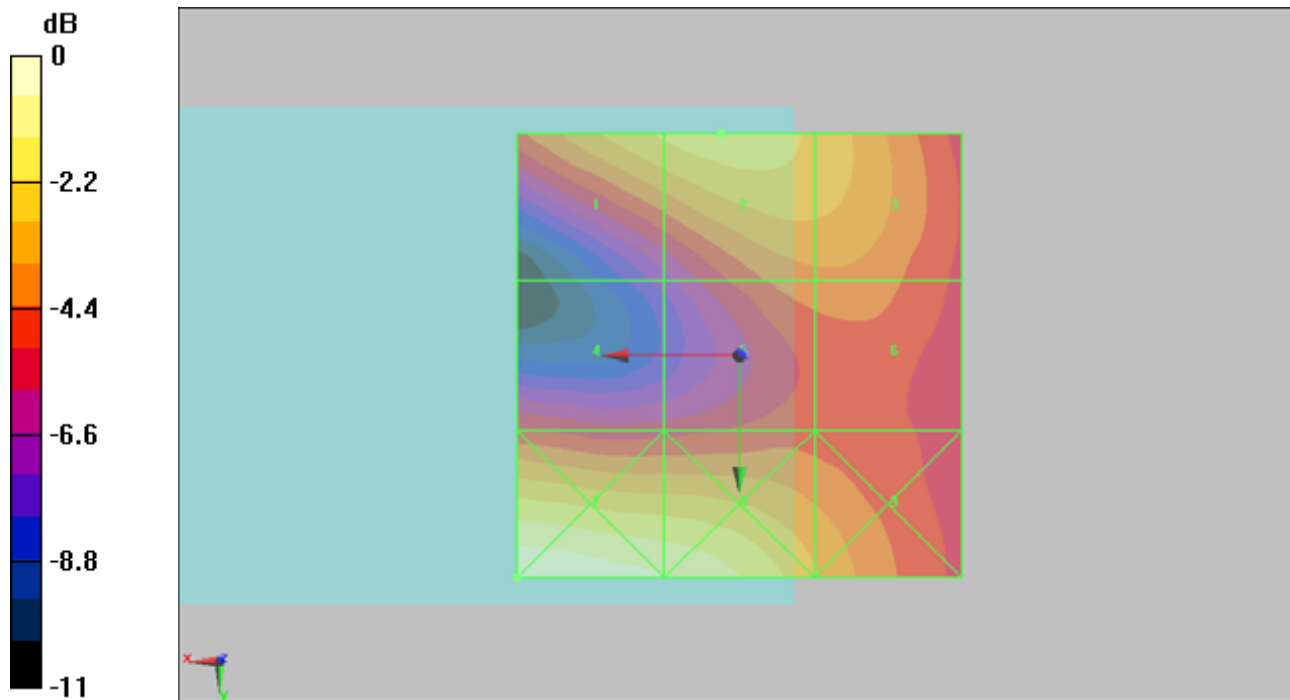
Grid 1	Grid 2	Grid 3
41.1 M4	42.5 M4	39.8 M4
Grid 4	Grid 5	Grid 6
29.5 M4	33.3 M4	33.5 M4
Grid 7	Grid 8	Grid 9
52.1 M3	48.2 M3	37.7 M4

Cursor:

Total = 52.1 V/m

E Category: M3

Location: 25, 25, 8.7 mm



0 dB = 52.1V/m

#10 HAC_H_GSM850_CH128**DUT: 972007-01**

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/m³

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

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

Maximum value of peak Total field = 0.234 A/m

Probe Modulation Factor = 1.46

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 0.076 A/m; Power Drift = 0.026 dB

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

Peak H-field in A/m

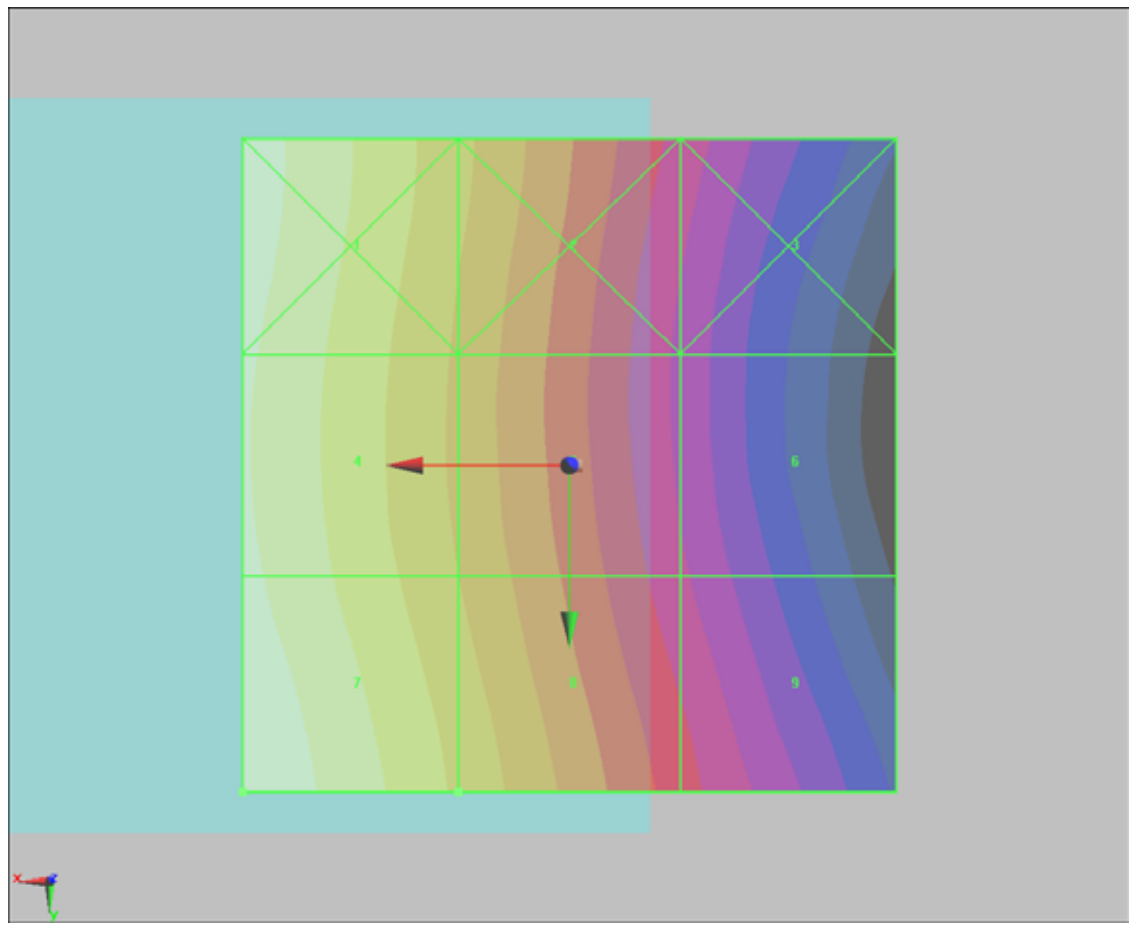
Grid 1 0.223 M4	Grid 2 0.151 M4	Grid 3 0.087 M4
Grid 4 0.215 M4	Grid 5 0.146 M4	Grid 6 0.083 M4
Grid 7 0.234 M4	Grid 8 0.161 M4	Grid 9 0.096 M4

Cursor:

Total = 0.234 A/m

H Category: M4

Location: 25, 25, 8.7 mm



0 dB = 0.234A/m

#11 HAC_H_GSM850_CH189**DUT: 972007-01**

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/m³

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

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

Maximum value of peak Total field = 0.259 A/m

Probe Modulation Factor = 1.46

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 0.085 A/m; Power Drift = -0.026 dB

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

Peak H-field in A/m

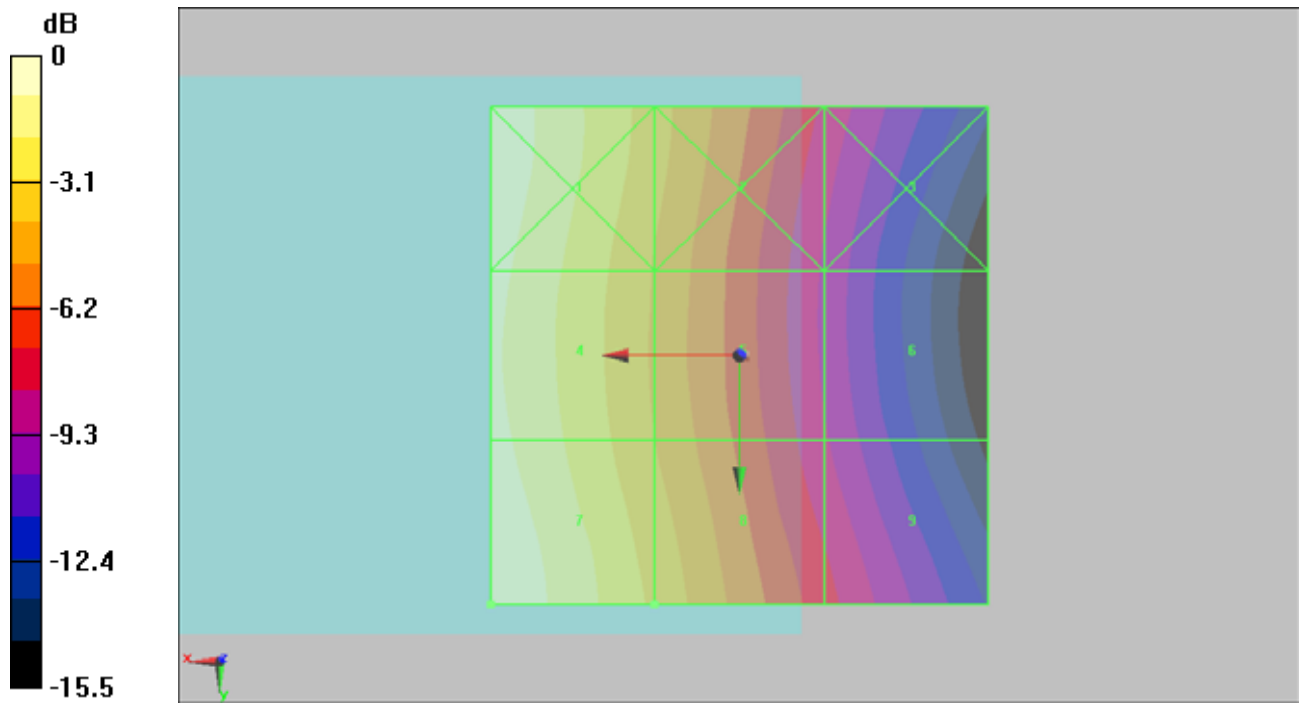
Grid 1 0.253 M4	Grid 2 0.170 M4	Grid 3 0.098 M4
Grid 4 0.241 M4	Grid 5 0.161 M4	Grid 6 0.091 M4
Grid 7 0.259 M4	Grid 8 0.177 M4	Grid 9 0.105 M4

Cursor:

Total = 0.259 A/m

H Category: M4

Location: 25, 25, 8.7 mm



0 dB = 0.259A/m

#12 HAC_H_GSM850_CH251**DUT: 972007-01**

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/m³

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

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

Maximum value of peak Total field = 0.267 A/m

Probe Modulation Factor = 1.46

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 0.088 A/m; Power Drift = 0.034 dB

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

Peak H-field in A/m

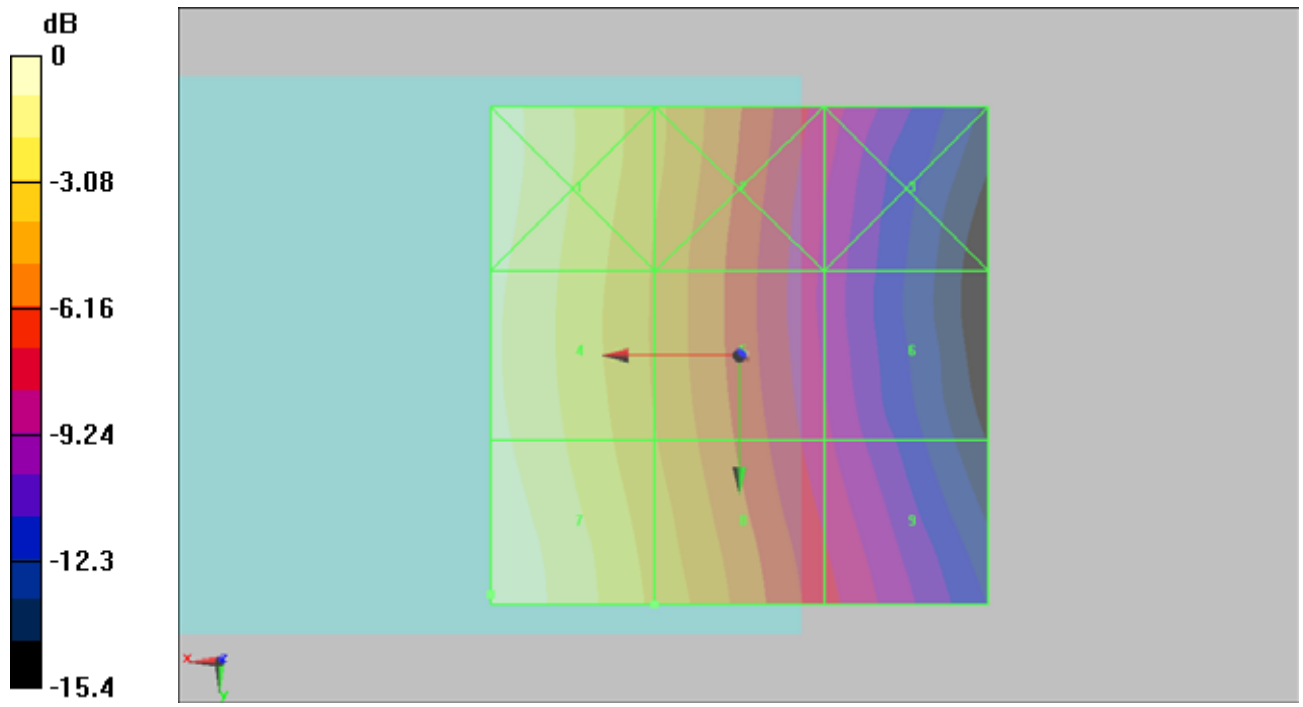
Grid 1 0.257 M4	Grid 2 0.172 M4	Grid 3 0.099 M4
Grid 4 0.247 M4	Grid 5 0.168 M4	Grid 6 0.096 M4
Grid 7 0.267 M4	Grid 8 0.183 M4	Grid 9 0.110 M4

Cursor:

Total = 0.267 A/m

H Category: M4

Location: 25, 24, 8.7 mm



0 dB = 0.267A/m

#07 HAC_H_GSM1900_CH512

DUT: 972007-01

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/m³
 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 = 0.073 A/m

Probe Modulation Factor = 1.24

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 0.063 A/m; Power Drift = -0.026 dB

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

Peak H-field in A/m

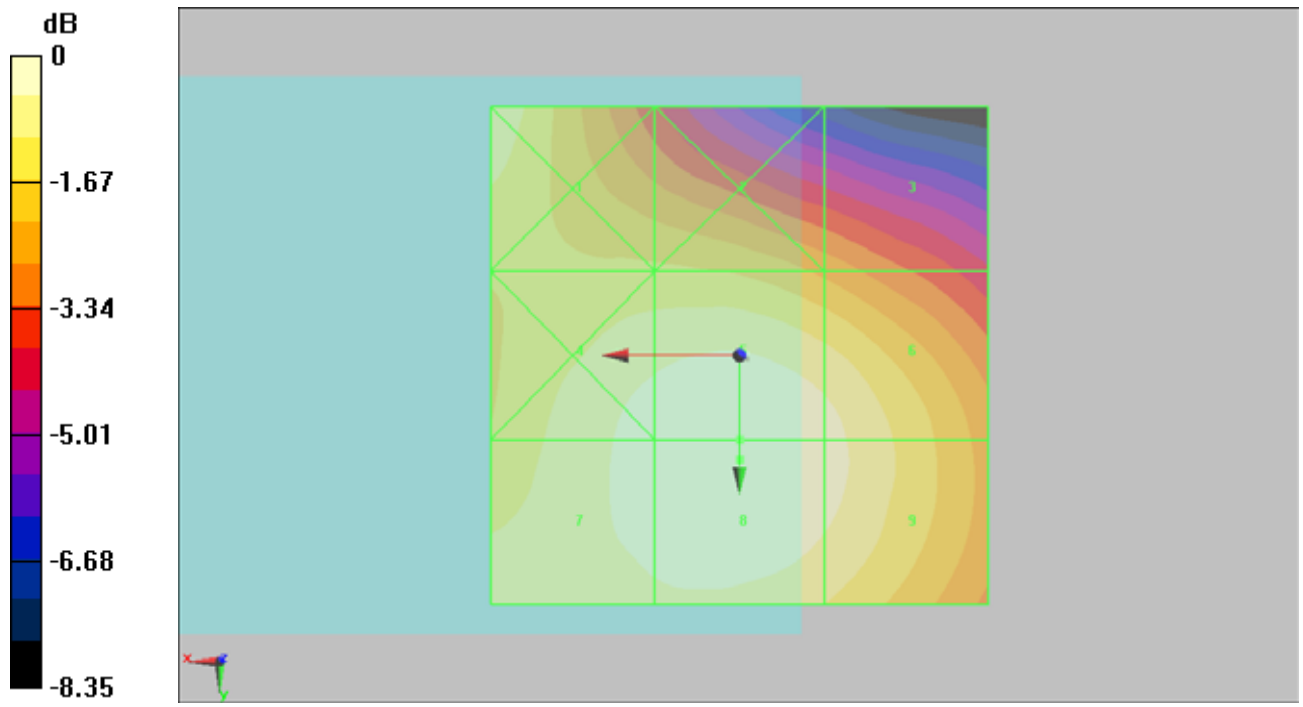
Grid 1 0.069 M4	Grid 2 0.061 M4	Grid 3 0.056 M4
Grid 4 0.071 M4	Grid 5 0.073 M4	Grid 6 0.070 M4
Grid 7 0.071 M4	Grid 8 0.073 M4	Grid 9 0.070 M4

Cursor:

Total = 0.073 A/m

H Category: M4

Location: 0, 10.5, 8.7 mm



0 dB = 0.073A/m

#08 HAC_H_GSM1900_CH661**DUT: 972007-01**

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/m³

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

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

Maximum value of peak Total field = 0.056 A/m

Probe Modulation Factor = 1.24

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 0.047 A/m; Power Drift = 0.040 dB

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

Peak H-field in A/m

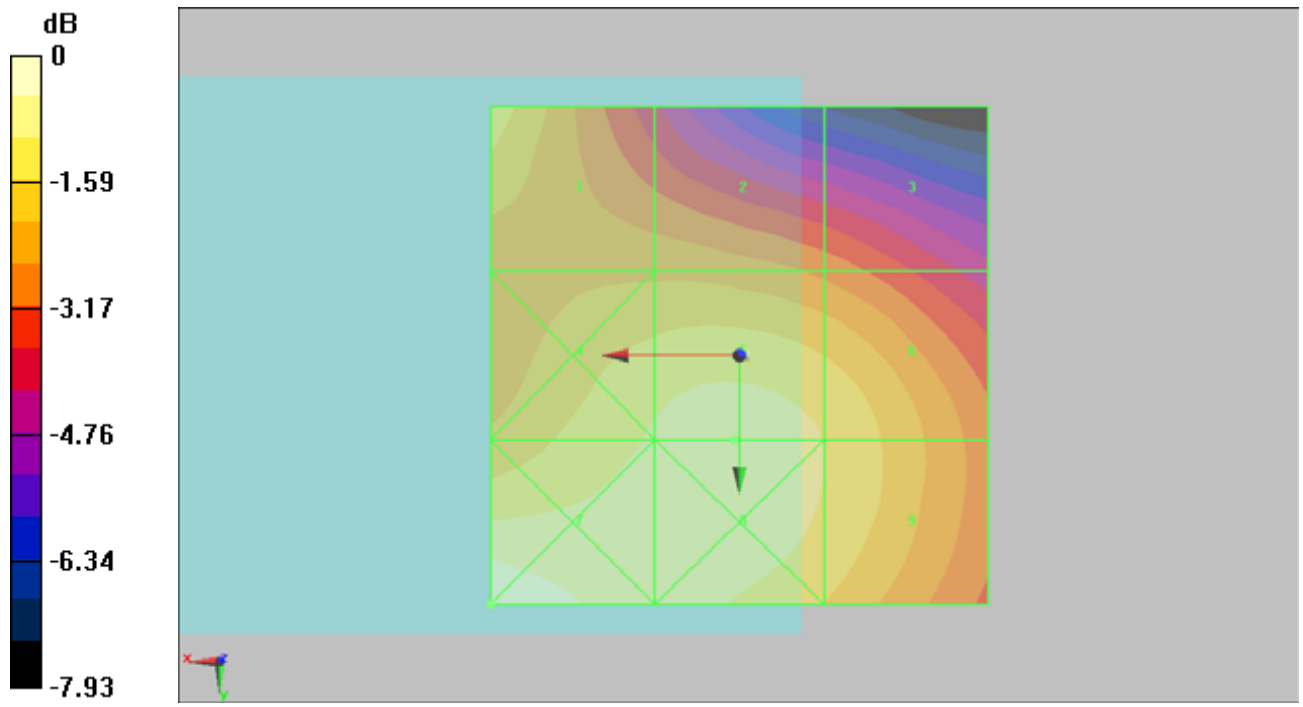
Grid 1 0.053 M4	Grid 2 0.047 M4	Grid 3 0.044 M4
Grid 4 0.054 M4	Grid 5 0.056 M4	Grid 6 0.054 M4
Grid 7 0.061 M4	Grid 8 0.056 M4	Grid 9 0.054 M4

Cursor:

Total = 0.061 A/m

H Category: M4

Location: 25, 25, 8.7 mm



0 dB = 0.061A/m

#09 HAC_H_GSM1900_CH810**DUT: 972007-01**

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/m³

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

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

Maximum value of peak Total field = 0.054 A/m

Probe Modulation Factor = 1.24

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 0.046 A/m; Power Drift = 0.039 dB

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

Peak H-field in A/m

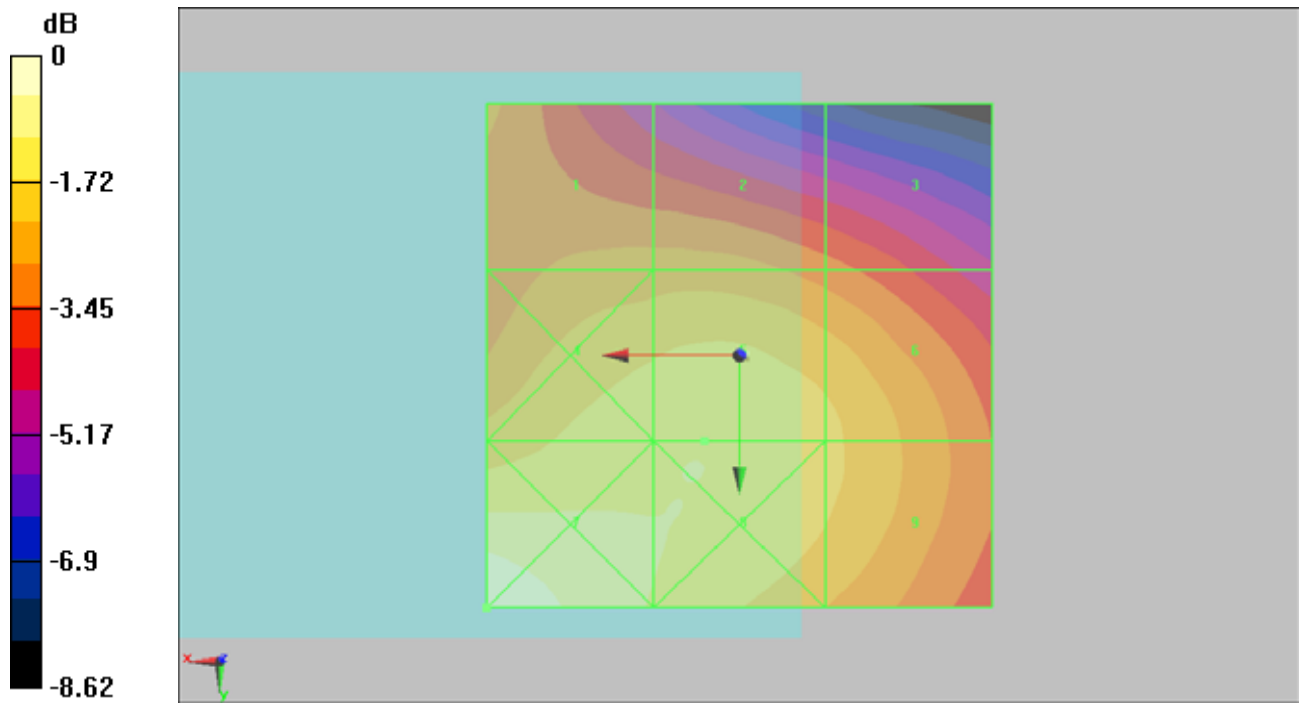
Grid 1 0.046 M4	Grid 2 0.046 M4	Grid 3 0.043 M4
Grid 4 0.053 M4	Grid 5 0.054 M4	Grid 6 0.052 M4
Grid 7 0.062 M4	Grid 8 0.054 M4	Grid 9 0.052 M4

Cursor:

Total = 0.062 A/m

H Category: M4

Location: 25, 25, 8.7 mm



0 dB = 0.062A/m