

#02 HAC_E_GSM850_Ch251**DUT: 121001-01**

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: 2011/1/14

- Sensor-Surface: (Fix Surface)

- Electronics: DAE4 Sn778; Calibrated: 2010/10/22

- 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 = 188.9 V/m

Probe Modulation Factor = 2.65

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 92.1 V/m; Power Drift = 0.024 dB

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

Peak E-field in V/m

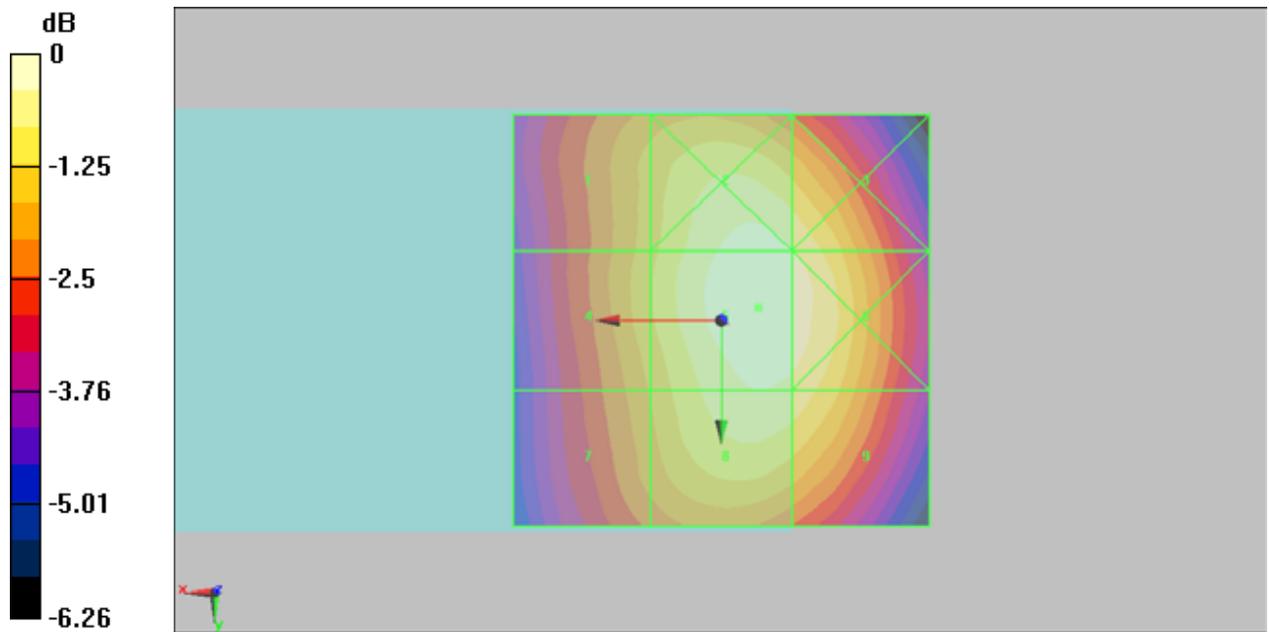
Grid 1	Grid 2	Grid 3
161.1 M3	184.6 M3	180.5 M3
Grid 4	Grid 5	Grid 6
163.1 M3	188.9 M3	185.6 M3
Grid 7	Grid 8	Grid 9
156.8 M3	180.1 M3	177.6 M3

Cursor:

Total = 188.9 V/m

E Category: M3

Location: -4.5, -1.5, 8.7 mm



0 dB = 188.9V/m

#11 HAC_E_GSM850_Ch128**DUT: 121001-01**

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 : 22.6

DASY5 Configuration:

- Probe: ER3DV6 - SN2358; ConvF(1, 1, 1); Calibrated: 2011/1/14

- Sensor-Surface: (Fix Surface)

- Electronics: DAE4 Sn778; Calibrated: 2010/10/22

- 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 = 187.1 V/m

Probe Modulation Factor = 2.65

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 87.5 V/m; Power Drift = -0.070 dB

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

Peak E-field in V/m

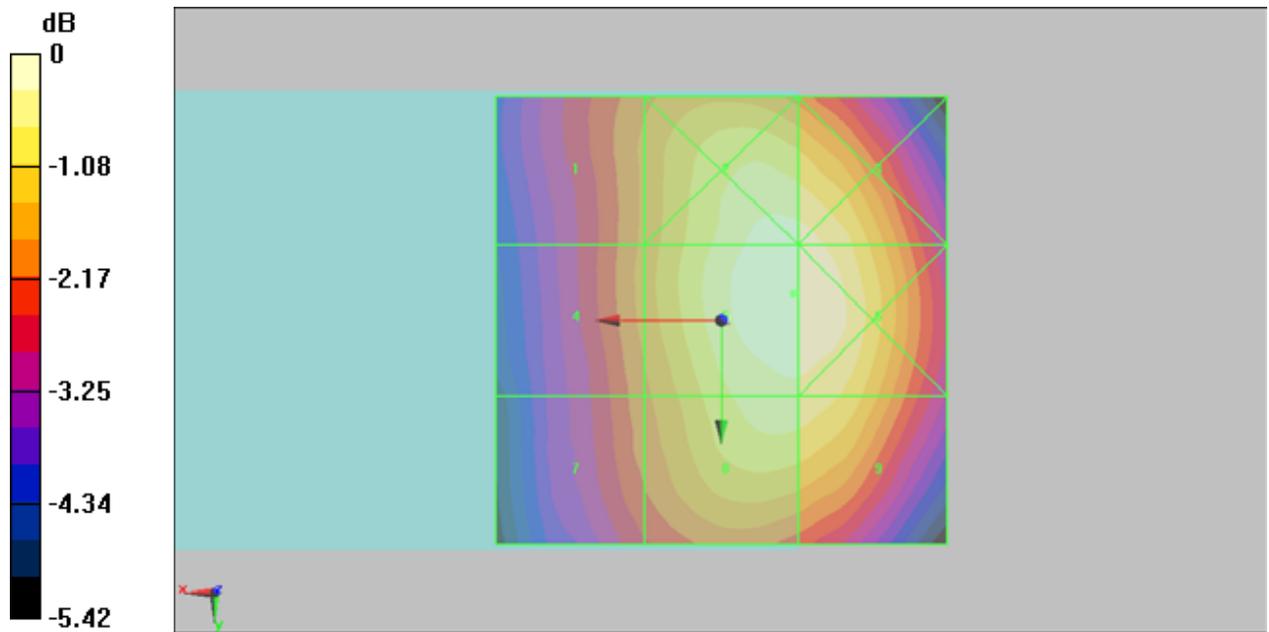
Grid 1	Grid 2	Grid 3
154.1 M3	183.5 M3	183.2 M3
Grid 4	Grid 5	Grid 6
155.2 M3	187.1 M3	187.1 M3
Grid 7	Grid 8	Grid 9
150.4 M3	177.5 M3	177.4 M3

Cursor:

Total = 187.1 V/m

E Category: M3

Location: -8, -3, 8.7 mm



0 dB = 187.1V/m

#12 HAC_E_GSM850_Ch189

DUT: 121001-01

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 : 22.7

DASY5 Configuration:

- Probe: ER3DV6 - SN2358; ConvF(1, 1, 1); Calibrated: 2011/1/14

- Sensor-Surface: (Fix Surface)

- Electronics: DAE4 Sn778; Calibrated: 2010/10/22

- 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 = 180.4 V/m

Probe Modulation Factor = 2.65

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 83.1 V/m; Power Drift = -0.027 dB

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

Peak E-field in V/m

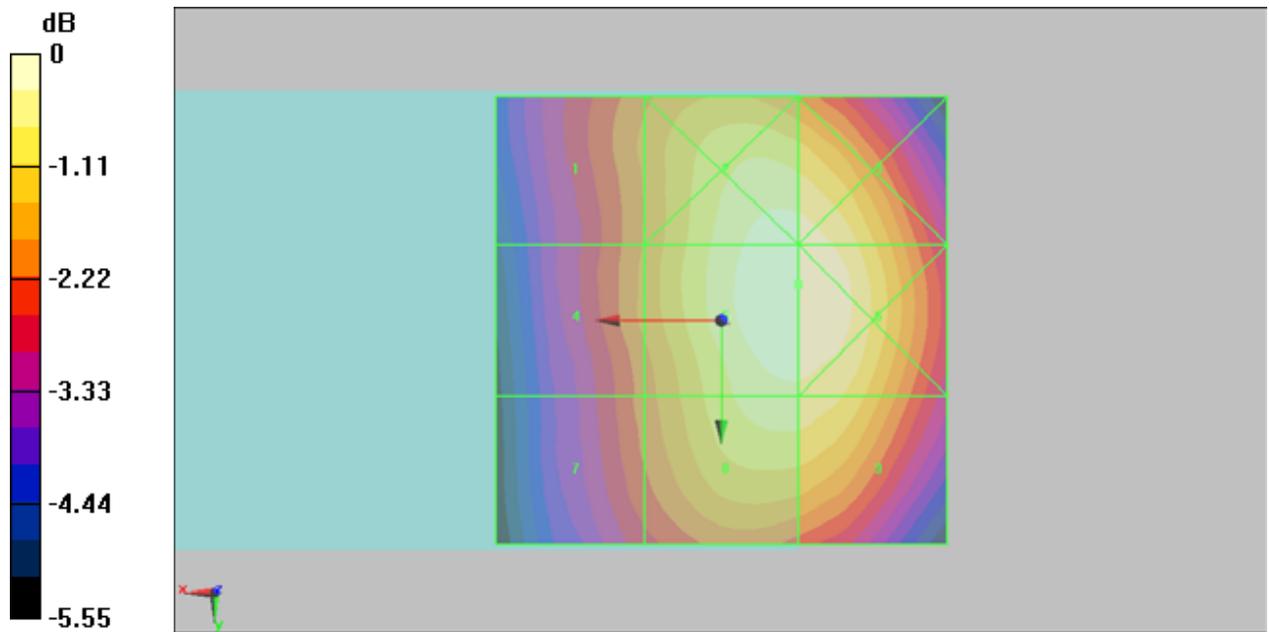
Grid 1 147.6 M4	Grid 2 177.4 M3	Grid 3 177.3 M3
Grid 4 148.0 M4	Grid 5 180.4 M3	Grid 6 180.4 M3
Grid 7 142.9 M4	Grid 8 171.1 M3	Grid 9 171.1 M3

Cursor:

Total = 180.4 V/m

E Category: M3

Location: -8.5, -4, 8.7 mm



0 dB = 180.4V/m

#01 HAC_E_GSM1900_Ch810**DUT: 121001-01**

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 : 22.4

DASY5 Configuration:

- Probe: ER3DV6 - SN2358; ConvF(1, 1, 1); Calibrated: 2011/1/14
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn778; Calibrated: 2010/10/22
- 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 = 75.2 V/m

Probe Modulation Factor = 2.7

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 25.7 V/m; Power Drift = 0.220 dB

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

Peak E-field in V/m

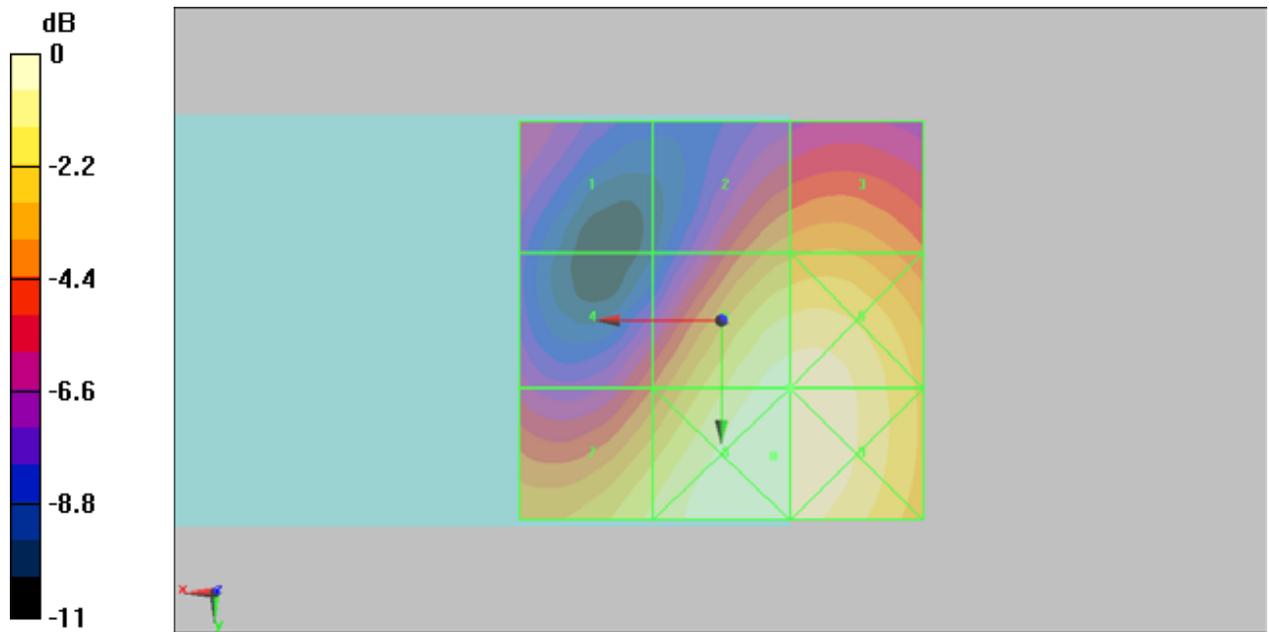
Grid 1 40.3 M4	Grid 2 54.4 M3	Grid 3 56.3 M3
Grid 4 47.3 M3	Grid 5 75.2 M3	Grid 6 75.4 M3
Grid 7 67.3 M3	Grid 8 78 M3	Grid 9 77.8 M3

Cursor:

Total = 78 V/m

E Category: M3

Location: -6.5, 17, 8.7 mm



0 dB = 78V/m

#03 HAC_E_WCDMA V_RMC12.2k_Ch4233**DUT: 121001-01**

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/m³
 Ambient Temperature : 22.5

DASY5 Configuration:

- Probe: ER3DV6 - SN2358; ConvF(1, 1, 1); Calibrated: 2011/1/14
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn778; Calibrated: 2010/10/22
- 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 = 71.6 V/m

Probe Modulation Factor = 1

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 92.7 V/m; Power Drift = 0.079 dB

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

Peak E-field in V/m

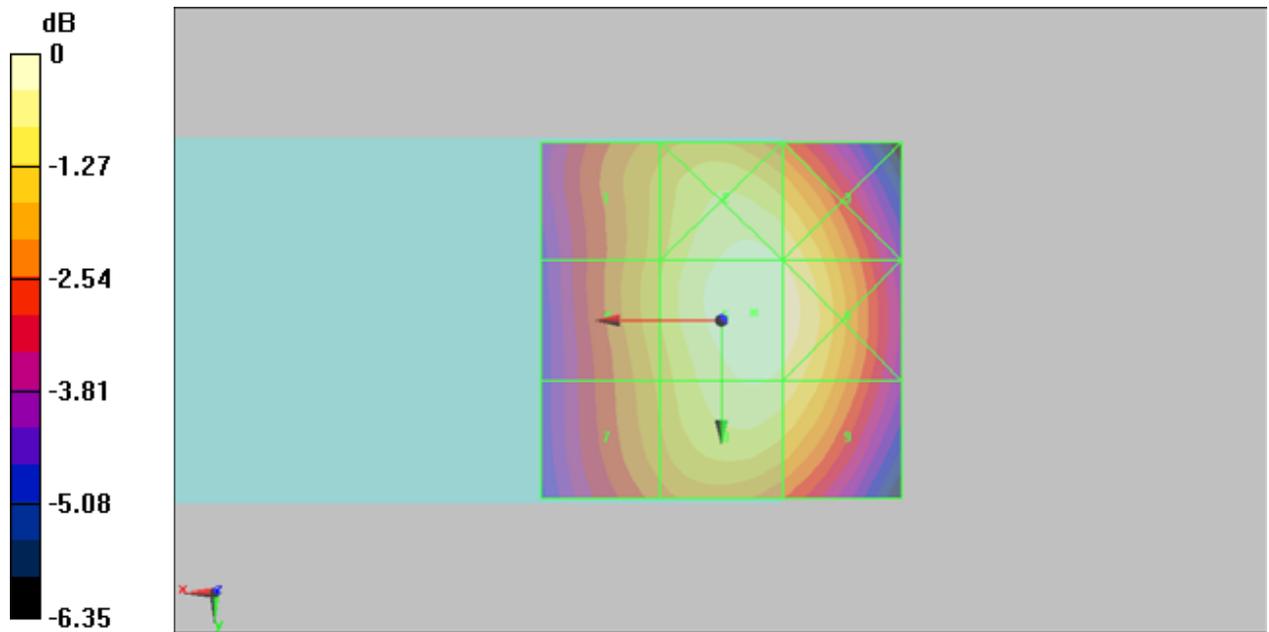
Grid 1 61.2 M4	Grid 2 69.6 M4	Grid 3 68.1 M4
Grid 4 62.1 M4	Grid 5 71.6 M4	Grid 6 70.5 M4
Grid 7 59.9 M4	Grid 8 68.5 M4	Grid 9 67.2 M4

Cursor:

Total = 71.6 V/m

E Category: M4

Location: -4.5, -1, 8.7 mm



0 dB = 71.6V/m

#04 HAC_E_WCDMA II_RMC12.2k_Ch9262**DUT: 121001-01**

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/m³

Ambient Temperature : 22.4

DASY5 Configuration:

- Probe: ER3DV6 - SN2358; ConvF(1, 1, 1); Calibrated: 2011/1/14

- Sensor-Surface: (Fix Surface)

- Electronics: DAE4 Sn778; Calibrated: 2010/10/22

- 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 = 36.8 V/m

Probe Modulation Factor = 0.980

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 39.6 V/m; Power Drift = 0.046 dB

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

Peak E-field in V/m

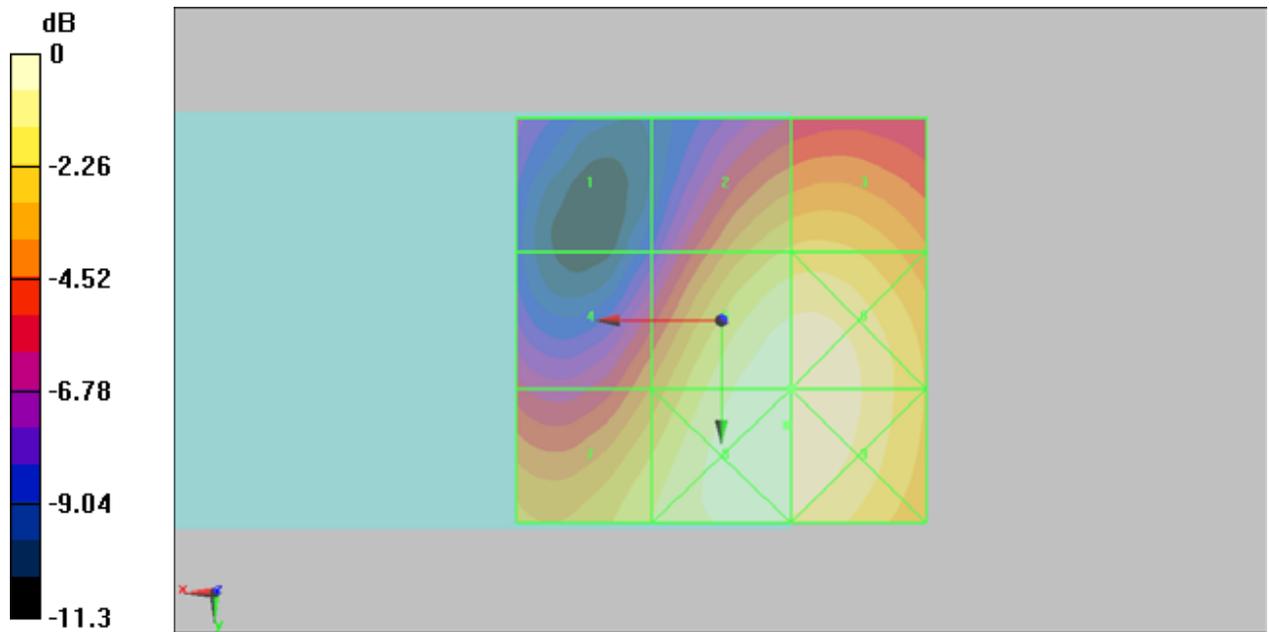
Grid 1 16.2 M4	Grid 2 29.1 M4	Grid 3 29.7 M4
Grid 4 24.5 M4	Grid 5 36.8 M4	Grid 6 36.9 M4
Grid 7 31.3 M4	Grid 8 37.2 M4	Grid 9 37.2 M4

Cursor:

Total = 37.2 V/m

E Category: M4

Location: -8, 13, 8.7 mm



0 dB = 37.2V/m

#06 HAC_H GSM850_Ch251**DUT: 121001-01**

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: 2011/1/25

- Sensor-Surface: (Fix Surface)

- Electronics: DAE4 Sn778; Calibrated: 2010/10/22

- 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 = 0.233 A/m

Probe Modulation Factor = 1.46

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 0.090 A/m; Power Drift = -0.044 dB

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

Peak H-field in A/m

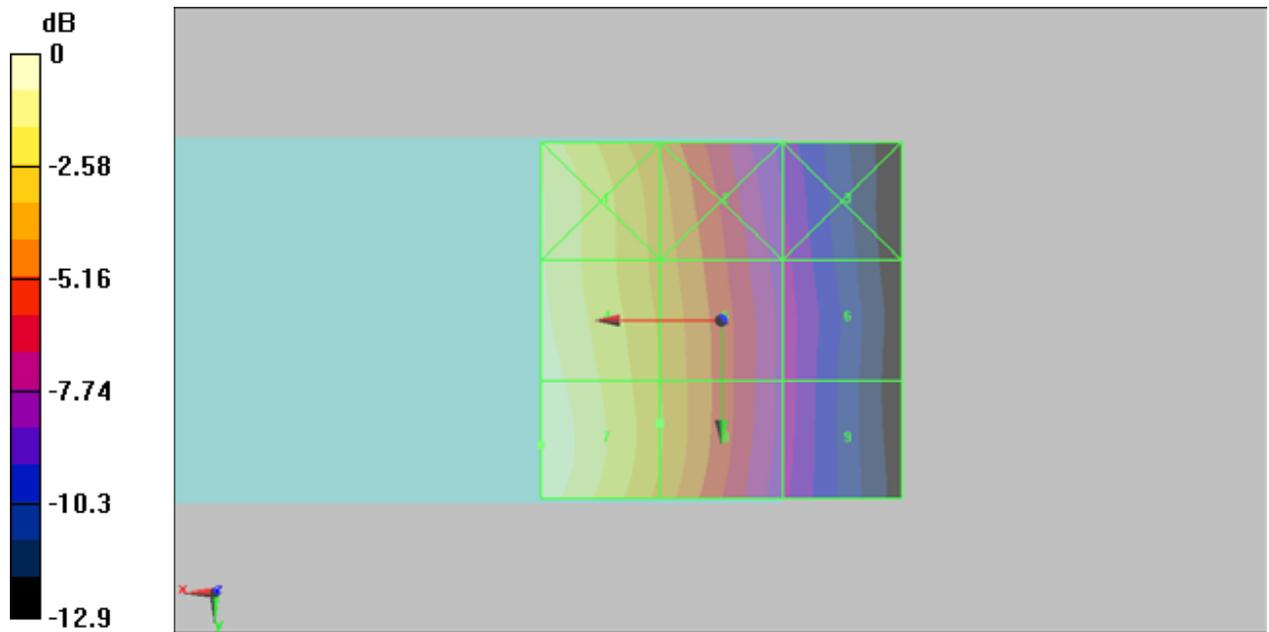
Grid 1 0.213 M4	Grid 2 0.151 M4	Grid 3 0.090 M4
Grid 4 0.226 M4	Grid 5 0.157 M4	Grid 6 0.093 M4
Grid 7 0.233 M4	Grid 8 0.159 M4	Grid 9 0.093 M4

Cursor:

Total = 0.233 A/m

H Category: M4

Location: 25, 17.5, 8.7 mm



0 dB = 0.233A/m

#09 HAC_H GSM850_Ch128**DUT: 121001-01**

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 : 22.6

DASY5 Configuration:

- Probe: H3DV6 - SN6184; ; Calibrated: 2011/1/25

- Sensor-Surface: (Fix Surface)

- Electronics: DAE4 Sn778; Calibrated: 2010/10/22

- 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 = 0.225 A/m

Probe Modulation Factor = 1.46

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 0.092 A/m; Power Drift = -0.144 dB

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

Peak H-field in A/m

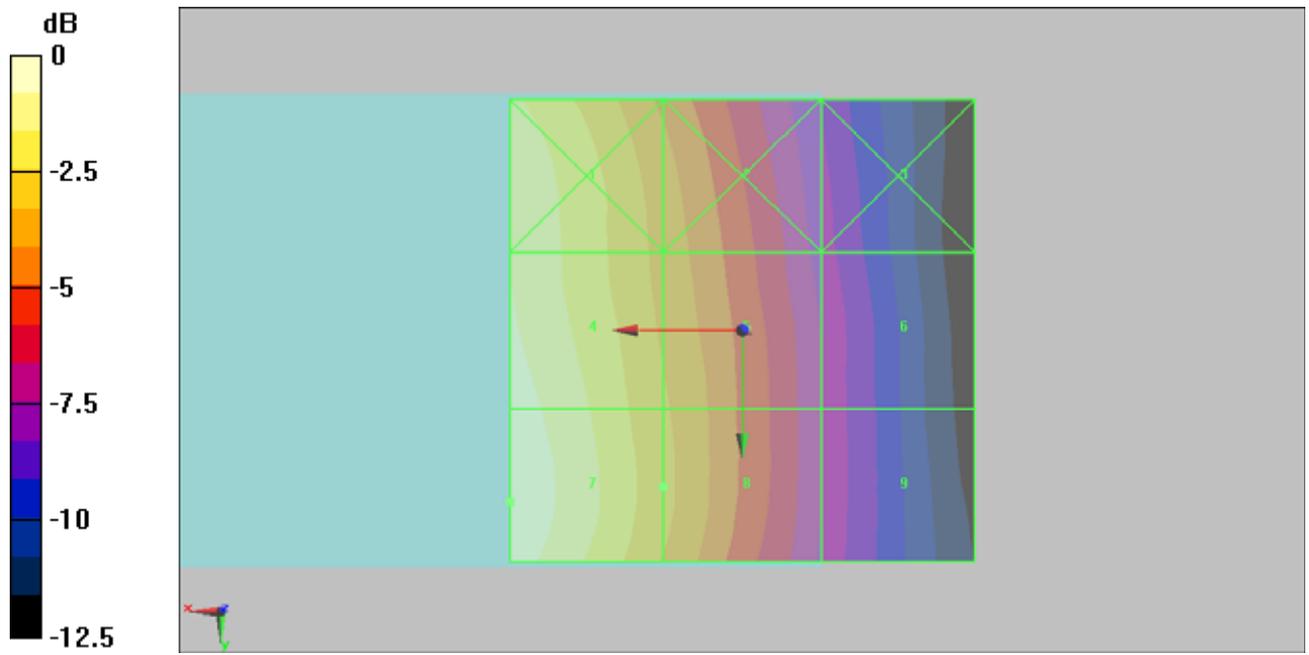
Grid 1 0.203 M4	Grid 2 0.148 M4	Grid 3 0.091 M4
Grid 4 0.217 M4	Grid 5 0.156 M4	Grid 6 0.095 M4
Grid 7 0.225 M4	Grid 8 0.158 M4	Grid 9 0.095 M4

Cursor:

Total = 0.225 A/m

H Category: M4

Location: 25, 18.5, 8.7 mm



0 dB = 0.225A/m

#10 HAC_H GSM850_Ch189**DUT: 121001-01**

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 : 22.7

DASY5 Configuration:

- Probe: H3DV6 - SN6184; ; Calibrated: 2011/1/25

- Sensor-Surface: (Fix Surface)

- Electronics: DAE4 Sn778; Calibrated: 2010/10/22

- 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 = 0.216 A/m

Probe Modulation Factor = 1.46

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 0.088 A/m; Power Drift = 0.051 dB

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

Peak H-field in A/m

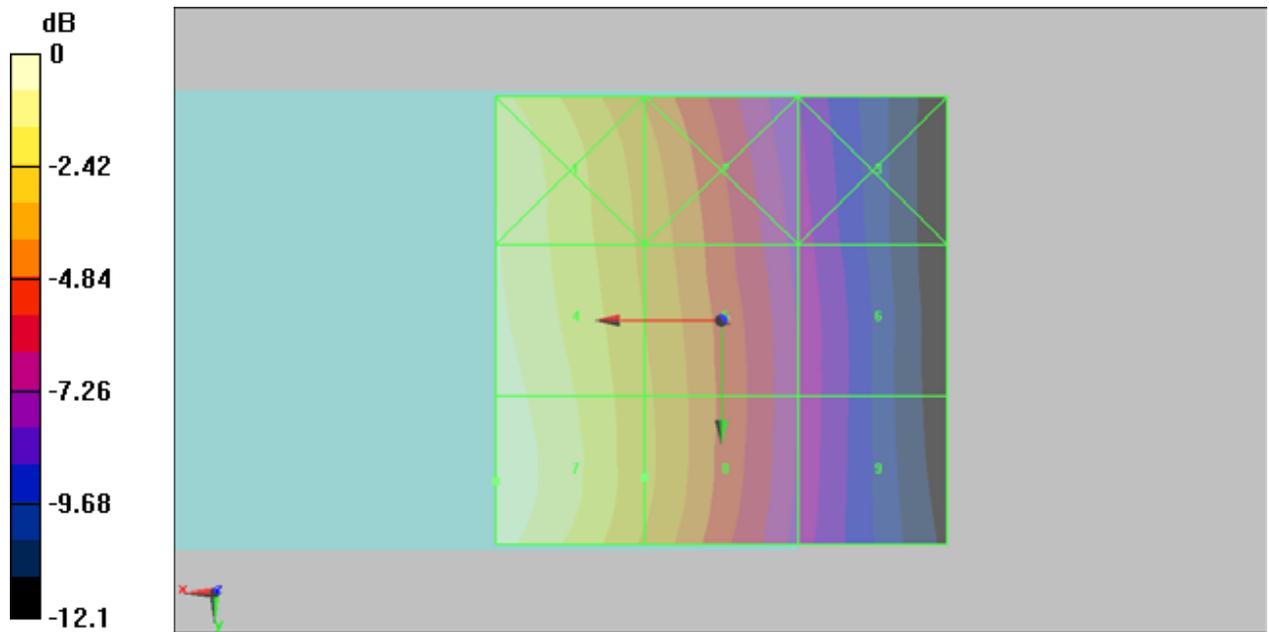
Grid 1	Grid 2	Grid 3
0.199 M4	0.146 M4	0.091 M4
Grid 4	Grid 5	Grid 6
0.210 M4	0.152 M4	0.094 M4
Grid 7	Grid 8	Grid 9
0.216 M4	0.153 M4	0.093 M4

Cursor:

Total = 0.216 A/m

H Category: M4

Location: 25, 18, 8.7 mm



0 dB = 0.216A/m

#05 HAC_H GSM1900_Ch810**DUT: 121001-01**

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 : 22.4

DASY5 Configuration:

- Probe: H3DV6 - SN6184; ; Calibrated: 2011/1/25

- Sensor-Surface: (Fix Surface)

- Electronics: DAE4 Sn778; Calibrated: 2010/10/22

- 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 = 0.109 A/m

Probe Modulation Factor = 1.28

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 0.078 A/m; Power Drift = -0.069 dB

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

Peak H-field in A/m

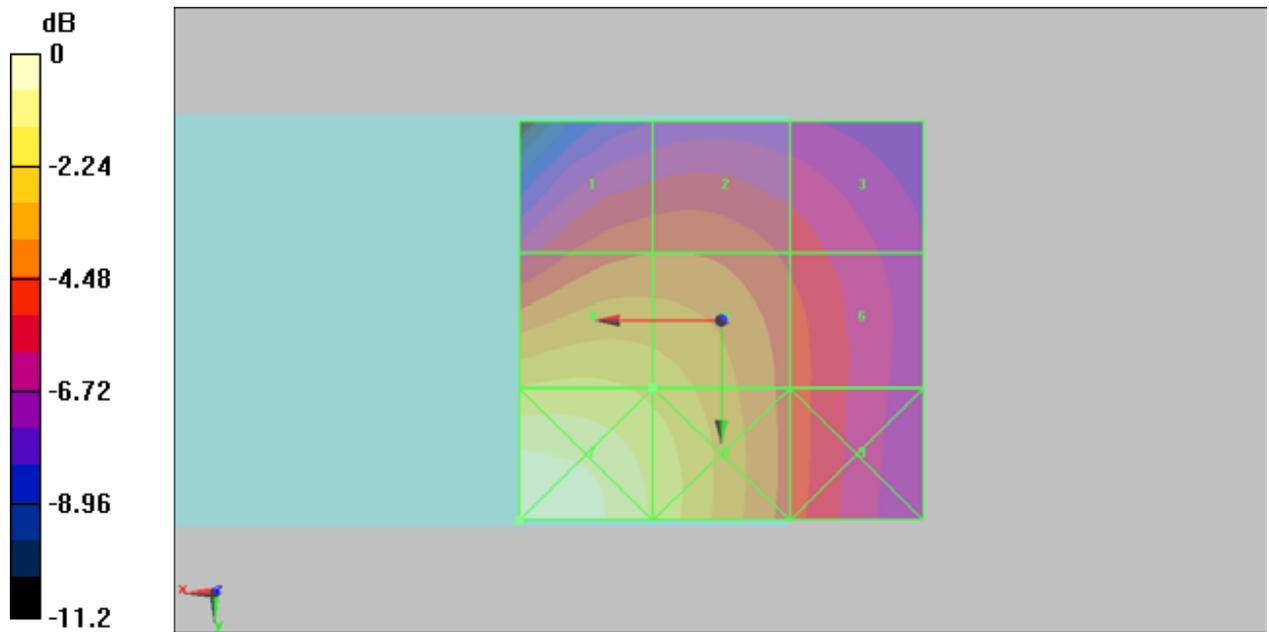
Grid 1 0.082 M4	Grid 2 0.082 M4	Grid 3 0.074 M4
Grid 4 0.109 M4	Grid 5 0.103 M4	Grid 6 0.079 M4
Grid 7 0.137 M4	Grid 8 0.114 M4	Grid 9 0.079 M4

Cursor:

Total = 0.137 A/m

H Category: M4

Location: 25, 25, 8.7 mm



0 dB = 0.137A/m

#07 HAC_H WCDMA V_RMC12.2k_Ch4233**DUT: 121001-01**

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/m³

Ambient Temperature : 22.4

DASY5 Configuration:

- Probe: H3DV6 - SN6184; ; Calibrated: 2011/1/25

- Sensor-Surface: (Fix Surface)

- Electronics: DAE4 Sn778; Calibrated: 2010/10/22

- 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 = 0.129 A/m

Probe Modulation Factor = 0.830

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 0.089 A/m; Power Drift = 0.125 dB

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

Peak H-field in A/m

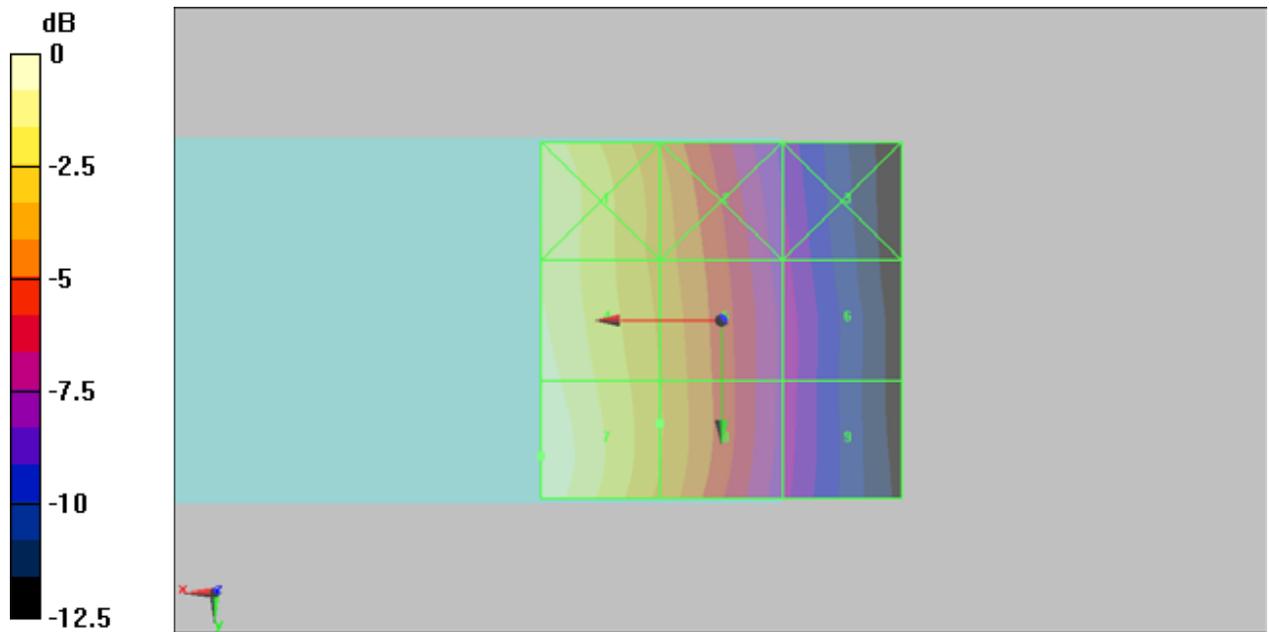
Grid 1 0.118 M4	Grid 2 0.084 M4	Grid 3 0.052 M4
Grid 4 0.123 M4	Grid 5 0.088 M4	Grid 6 0.053 M4
Grid 7 0.129 M4	Grid 8 0.089 M4	Grid 9 0.053 M4

Cursor:

Total = 0.129 A/m

H Category: M4

Location: 25, 19, 8.7 mm



0 dB = 0.129A/m

#08 HAC_H WCDMA II_RMC12.2k_Ch9262**DUT: 121001-01**

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/m³

Ambient Temperature : 22.4

DASY5 Configuration:

- Probe: H3DV6 - SN6184; ; Calibrated: 2011/1/25

- Sensor-Surface: (Fix Surface)

- Electronics: DAE4 Sn778; Calibrated: 2010/10/22

- 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 = 0.056 A/m

Probe Modulation Factor = 0.520

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 0.100 A/m; Power Drift = -0.000453 dB

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

Peak H-field in A/m

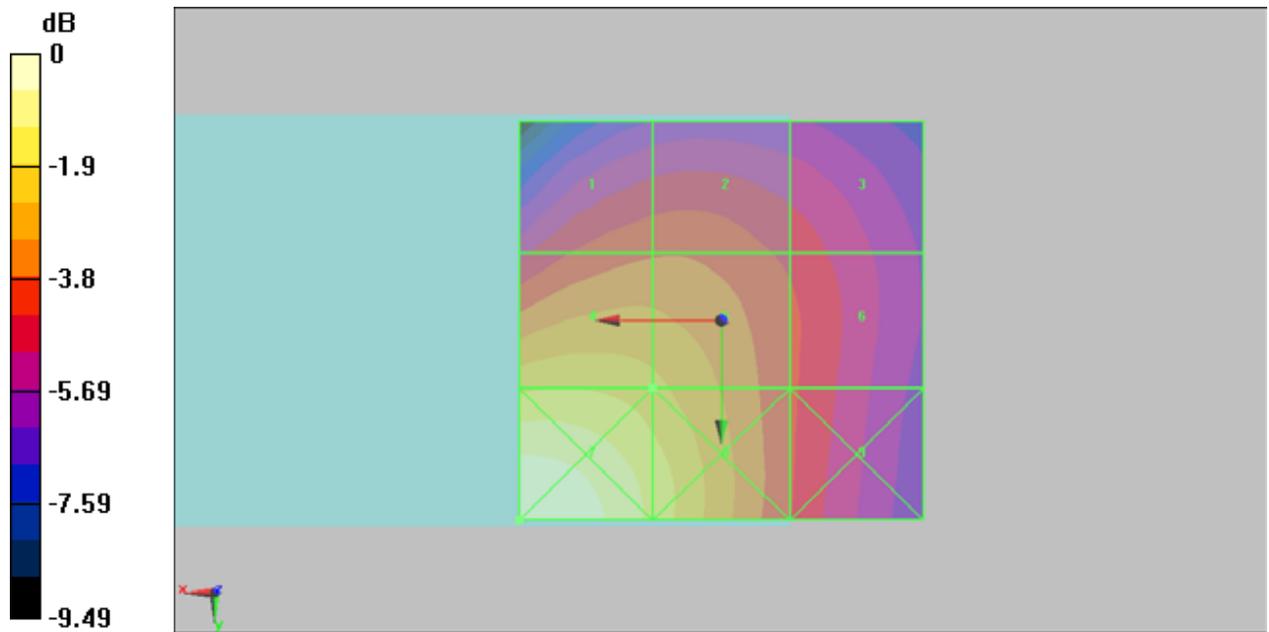
Grid 1	Grid 2	Grid 3
0.045 M4	0.045 M4	0.041 M4
Grid 4	Grid 5	Grid 6
0.056 M4	0.054 M4	0.043 M4
Grid 7	Grid 8	Grid 9
0.070 M4	0.059 M4	0.043 M4

Cursor:

Total = 0.070 A/m

H Category: M4

Location: 25, 25, 8.7 mm



0 dB = 0.070A/m