

APPENDIX A. HAC TEST PLOTS

Test Laboratory: HCT CO., LTD.

Ambient Temperature / Channel 21.7 °C /1013

Test Date July 23, 2008

DUT: CDM7076; Type: folder; Serial: #1

Communication System: CDMA 835MHz FCC; Frequency: 824.7 MHz;Duty Cycle: 1:1

Medium parameters used: $\sigma = 0$ mho/m, $\epsilon_r = 1$; $\rho = 1000$ kg/m³

Phantom section: E Device Section ; Measurement SW: DASY4, V4.7 Build 71; Postprocessing SW: SEMCAD, V1.8 Build 176

DASY4 Configuration:

- Probe: ER3DV6 - SN2343; ConvF(1, 1, 1); Calibrated: 2008-05-19
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn447; Calibrated: 2007-09-13
- Phantom: HAC Test Arch; Type: SD HAC P01 BA

E Scan 10mm above Device Reference/Hearing Aid Compatibility Test (101x101x1): Measurement grid: dx=5mm, dy=5mm

Maximum value of peak Total field = 63.6 V/m

Probe Modulation Factor = 0.941

Device Reference Point: 0.000, 0.000, 353.7 mm

Reference Value = 69.6 V/m; Power Drift = 0.080 dB

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

Peak E-field in V/m

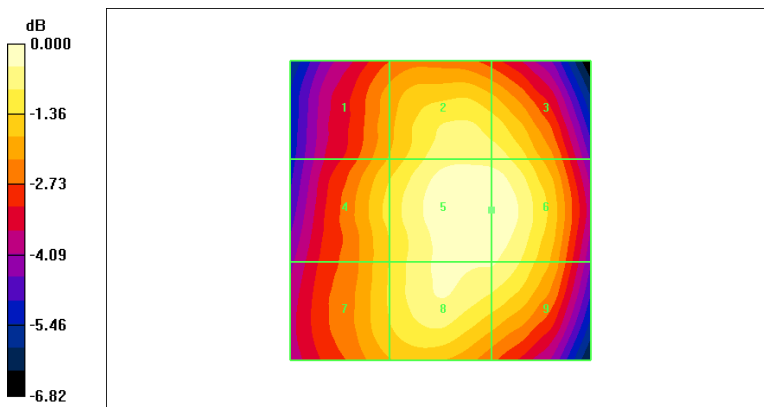
Grid 1	Grid 2	Grid 3
52.1 M4	59.8 M4	59.4 M4
Grid 4	Grid 5	Grid 6
55.6 M4	63.6 M4	63.6 M4
Grid 7	Grid 8	Grid 9
54.8 M4	61.3 M4	60.7 M4

Cursor:

Total = 63.6 V/m

E Category: M4

Location: -8.5, 0, 364.8 mm



0 dB = 63.6V/m

Test Laboratory: HCT CO., LTD.

Ambient Temperature / Channel 21.7 °C /384

Test Date July 23, 2008

DUT: CDM7076; Type: folder; Serial: #1

Communication System: CDMA 835MHz FCC; Frequency: 836.52 MHz;Duty Cycle: 1:1

Medium parameters used: $\sigma = 0$ mho/m, $\epsilon_r = 1$; $\rho = 1000$ kg/m³

Phantom section: E Device Section ; Measurement SW: DASY4, V4.7 Build 71; Postprocessing SW: SEMCAD, V1.8 Build 176

DASY4 Configuration:

- Probe: ER3DV6 - SN2343; ConvF(1, 1, 1); Calibrated: 2008-05-19
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn447; Calibrated: 2007-09-13
- Phantom: HAC Test Arch; Type: SD HAC P01 BA

E Scan 10mm above Device Reference/Hearing Aid Compatibility Test (101x101x1): Measurement grid: dx=5mm, dy=5mm

Maximum value of peak Total field = 68.9 V/m

Probe Modulation Factor = 0.941

Device Reference Point: 0.000, 0.000, 353.7 mm

Reference Value = 73.6 V/m; Power Drift = 0.136 dB

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

Peak E-field in V/m

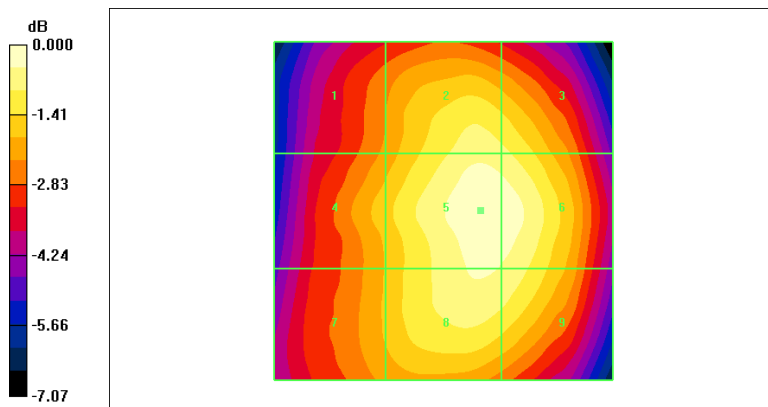
Grid 1	Grid 2	Grid 3
53.6 M4	64.4 M4	63.0 M4
Grid 4	Grid 5	Grid 6
57.7 M4	68.9 M4	68.1 M4
Grid 7	Grid 8	Grid 9
56.1 M4	65.8 M4	65.0 M4

Cursor:

Total = 68.9 V/m

E Category: M4

Location: -5.5, 0, 364.8 mm



0 dB = 68.9V/m

Test Laboratory: HCT CO., LTD.

Ambient Temperature / Channel 21.7 °C /777

Test Date July 23, 2008

DUT: CDM7076; Type: folder; Serial: #1

Communication System: CDMA 835MHz FCC; Frequency: 848.31 MHz;Duty Cycle: 1:1

Medium parameters used: $\sigma = 0$ mho/m, $\epsilon_r = 1$; $\rho = 1000$ kg/m³

Phantom section: E Device Section ; Measurement SW: DASY4, V4.7 Build 71; Postprocessing SW: SEMCAD, V1.8 Build 176

DASY4 Configuration:

- Probe: ER3DV6 - SN2343; ConvF(1, 1, 1); Calibrated: 2008-05-19
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn447; Calibrated: 2007-09-13
- Phantom: HAC Test Arch; Type: SD HAC P01 BA

E Scan 10mm above Device Reference/Hearing Aid Compatibility Test (101x101x1): Measurement grid: dx=5mm, dy=5mm

Maximum value of peak Total field = 79.4 V/m

Probe Modulation Factor = 0.941

Device Reference Point: 0.000, 0.000, 353.7 mm

Reference Value = 86.2 V/m; Power Drift = -0.024 dB

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

Peak E-field in V/m

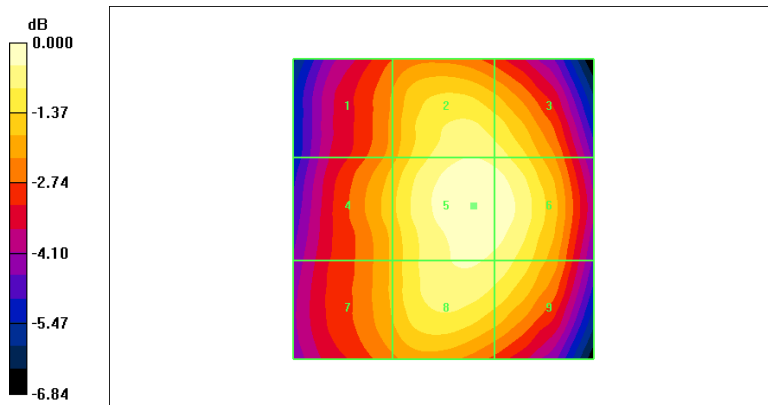
Grid 1	Grid 2	Grid 3
63.2 M4	75.4 M4	74.0 M4
Grid 4	Grid 5	Grid 6
67.0 M4	79.4 M4	78.6 M4
Grid 7	Grid 8	Grid 9
65.3 M4	75.8 M4	74.5 M4

Cursor:

Total = 79.4 V/m

E Category: M4

Location: -5, -0.5, 364.8 mm



0 dB = 79.4V/m

Test Laboratory: HCT CO., LTD.

Ambient Temperature / Channel 21.7 °C /25

Test Date July 23, 2008

DUT: CDM7076; Type: folder; Serial: #1

Communication System: PCS 1900MHz FCC; Frequency: 1851.25 MHz;Duty Cycle: 1:1

Medium parameters used: $\sigma = 0$ mho/m, $\epsilon_r = 1$; $\rho = 1000$ kg/m³

Phantom section: E Device Section ; Measurement SW: DASY4, V4.7 Build 71; Postprocessing SW: SEMCAD, V1.8 Build 176

DASY4 Configuration:

- Probe: ER3DV6 - SN2343; ConvF(1, 1, 1); Calibrated: 2008-05-19
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn447; Calibrated: 2007-09-13
- Phantom: HAC Test Arch; Type: SD HAC P01 BA

E Scan 10mm above Device Reference/Hearing Aid Compatibility Test (101x101x1): Measurement grid: dx=5mm, dy=5mm

Maximum value of peak Total field = 64.2 V/m

Probe Modulation Factor = 0.966

Device Reference Point: 0.000, 0.000, 353.7 mm

Reference Value = 45.3 V/m; Power Drift = 0.006 dB

Hearing Aid Near-Field Category: M3 (AWF 0 dB)

Peak E-field in V/m

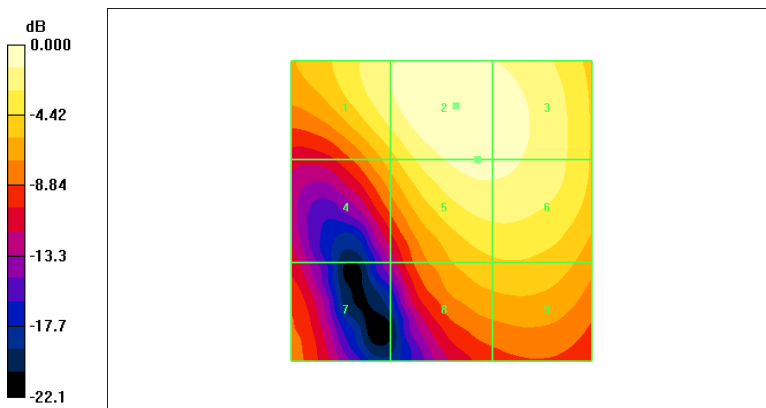
Grid 1	Grid 2	Grid 3
54.3 M4	64.2 M3	61.2 M4
Grid 4	Grid 5	Grid 6
35.8 M4	58.1 M4	57.5 M4
Grid 7	Grid 8	Grid 9
24.8 M4	37.7 M4	38.4 M4

Cursor:

Total = 64.2 V/m

E Category: M3

Location: -2.5, -17.5, 364.8 mm



0 dB = 64.2V/m

Test Laboratory: HCT CO., LTD.

Ambient Temperature / Channel 21.7 °C /600

Test Date July 23, 2008

DUT: CDM7076; Type: folder; Serial: #1

Communication System: PCS 1900MHz FCC; Frequency: 1880 MHz;Duty Cycle: 1:1

Medium parameters used: $\sigma = 0$ mho/m, $\epsilon_r = 1$; $\rho = 1000$ kg/m³

Phantom section: E Device Section ; Measurement SW: DASY4, V4.7 Build 71; Postprocessing SW: SEMCAD, V1.8 Build 176

DASY4 Configuration:

- Probe: ER3DV6 - SN2343; ConvF(1, 1, 1); Calibrated: 2008-05-19

- Sensor-Surface: (Fix Surface)

- Electronics: DAE4 Sn447; Calibrated: 2007-09-13

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

E Scan 10mm above Device Reference/Hearing Aid Compatibility Test (101x101x1): Measurement grid: dx=5mm, dy=5mm

Maximum value of peak Total field = 66.4 V/m

Probe Modulation Factor = 0.966

Device Reference Point: 0.000, 0.000, 353.7 mm

Reference Value = 47.3 V/m; Power Drift = 0.053 dB

Hearing Aid Near-Field Category: M3 (AWF 0 dB)

Peak E-field in V/m

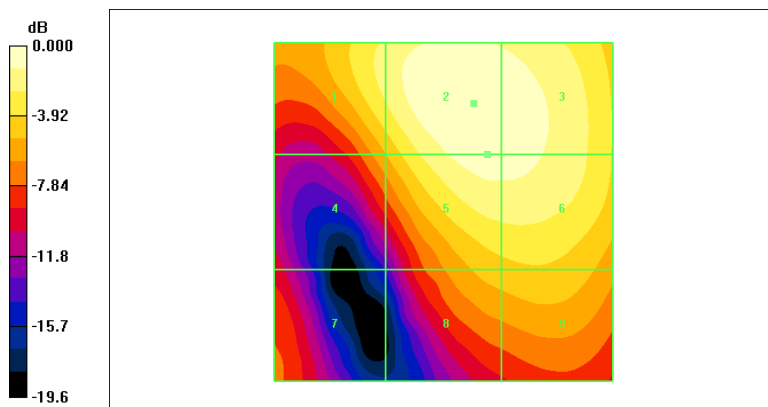
Grid 1	Grid 2	Grid 3
52.7 M4	66.4 M3	64.2 M3
Grid 4	Grid 5	Grid 6
36.4 M4	61.7 M4	61.1 M4
Grid 7	Grid 8	Grid 9
28.0 M4	39.9 M4	41.8 M4

Cursor:

Total = 66.4 V/m

E Category: M3

Location: -4.5, -16, 364.8 mm



0 dB = 66.4V/m

Test Laboratory: HCT CO., LTD.

Ambient Temperature / Channel 21.7 °C /1175

Test Date July 23, 2008

DUT: CDM7076; Type: folder; Serial: #1

Communication System: PCS 1900MHz FCC; Frequency: 1908.75 MHz;Duty Cycle: 1:1

Medium parameters used: $\sigma = 0$ mho/m, $\epsilon_r = 1$; $\rho = 1000$ kg/m³

Phantom section: E Device Section ; Measurement SW: DASY4, V4.7 Build 71; Postprocessing SW: SEMCAD, V1.8 Build 176

DASY4 Configuration:

- Probe: ER3DV6 - SN2343; ConvF(1, 1, 1); Calibrated: 2008-05-19
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn447; Calibrated: 2007-09-13
- Phantom: HAC Test Arch; Type: SD HAC P01 BA

E Scan 10mm above Device Reference/Hearing Aid Compatibility Test (101x101x1): Measurement grid: dx=5mm, dy=5mm

Maximum value of peak Total field = 59.8 V/m

Probe Modulation Factor = 0.966

Device Reference Point: 0.000, 0.000, 353.7 mm

Reference Value = 41.7 V/m; Power Drift = 0.073 dB

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

Peak E-field in V/m

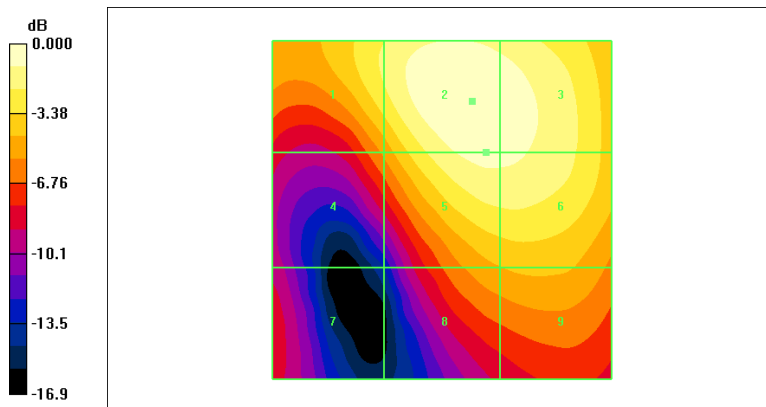
Grid 1	Grid 2	Grid 3
47.5 M4	59.8 M4	57.8 M4
Grid 4	Grid 5	Grid 6
32.5 M4	55.1 M4	54.6 M4
Grid 7	Grid 8	Grid 9
23.0 M4	35.4 M4	36.8 M4

Cursor:

Total = 59.8 V/m

E Category: M4

Location: -4.5, -16, 364.8 mm



0 dB = 59.8V/m

Test Laboratory: HCT CO., LTD.

Ambient Temperature / Channel 21.7 °C /1013

Test Date July 23, 2008

DUT: CDM7076; Type: folder; Serial: #1

Communication System: CDMA 835MHz FCC; Frequency: 824.7 MHz;Duty Cycle: 1:1

Medium parameters used: $\sigma = 0$ mho/m, $\epsilon_r = 1$; $\rho = 1$ kg/m³

Phantom section: H Device Section ; Measurement SW: DASY4, V4.7 Build 71; Postprocessing SW: SEMCAD, V1.8 Build 176

DASY4 Configuration:

- Probe: H3DV6 - SN6101; ; Calibrated: 2008-05-19
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn447; Calibrated: 2007-09-13
- Phantom: HAC Test Arch; Type: SD HAC P01 BA

H Scan 10mm above Device Reference/Hearing Aid Compatibility Test (101x101x1): Measurement grid: dx=5mm, dy=5mm

Maximum value of peak Total field = 0.107 A/m

Probe Modulation Factor = 0.850

Device Reference Point: 0.000, 0.000, 353.7 mm

Reference Value = 0.072 A/m; Power Drift = 0.004 dB

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

Peak H-field in A/m

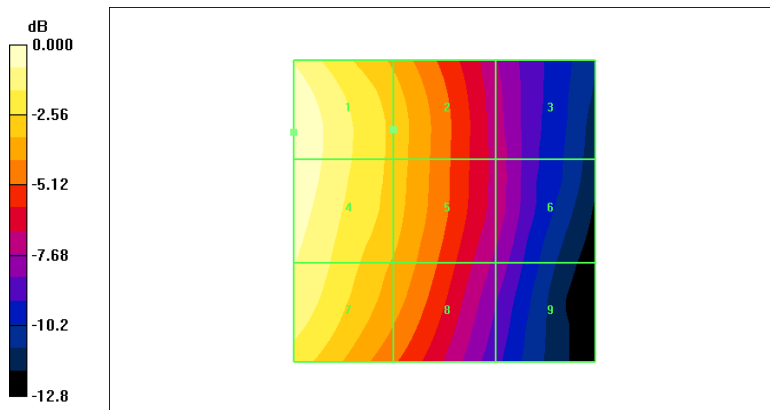
Grid 1	Grid 2	Grid 3
0.107 M4	0.078 M4	0.047 M4
Grid 4	Grid 5	Grid 6
0.106 M4	0.077 M4	0.047 M4
Grid 7	Grid 8	Grid 9
0.098 M4	0.072 M4	0.043 M4

Cursor:

Total = 0.107 A/m

H Category: M4

Location: 25, -13, 365.6 mm



Test Laboratory: HCT CO., LTD.

Ambient Temperature / Channel 21.7 °C /384

Test Date July 23, 2008

DUT: CDM7076; Type: folder; Serial: #1

Communication System: CDMA 835MHz FCC; Frequency: 836.52 MHz;Duty Cycle: 1:1

Medium parameters used: $\sigma = 0$ mho/m, $\epsilon_r = 1$; $\rho = 1$ kg/m³

Phantom section: H Dipole Section ; Measurement SW: DASY4, V4.7 Build 55; Postprocessing SW: SEMCAD, V1.8 Build 176

DASY4 Configuration:

- Probe: H3DV6 - SN6101; ; Calibrated: 2008-05-19
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn447; Calibrated: 2007-09-13
- Phantom: HAC Test Arch; Type: SD HAC P01 BA

H Scan 10mm above Device Reference/Hearing Aid Compatibility Test (101x101x1): Measurement grid: dx=5mm, dy=5mm

Maximum value of peak Total field = 0.107 A/m

Probe Modulation Factor = 0.850

Device Reference Point: 0.000, 0.000, 354.7 mm

Reference Value = 0.076 A/m; Power Drift = -0.132 dB

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

Peak H-field in A/m

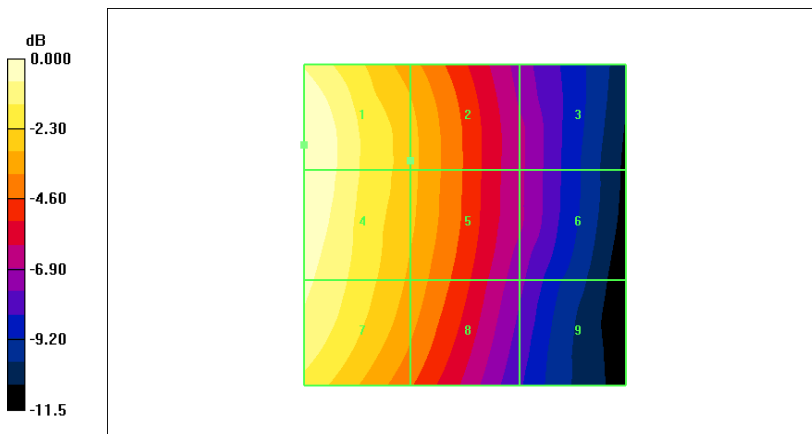
Grid 1	Grid 2	Grid 3
0.107 M4	0.078 M4	0.050 M4
Grid 4	Grid 5	Grid 6
0.107 M4	0.078 M4	0.049 M4
Grid 7	Grid 8	Grid 9
0.100 M4	0.074 M4	0.046 M4

Cursor:

Total = 0.107 A/m

H Category: M4

Location: 25, -12.5, 366.6 mm



0 dB = 0.107A/m

Test Laboratory: HCT CO., LTD.

Ambient Temperature / Channel 21.7 °C /777

Test Date July 23, 2008

DUT: CDM7076; Type: folder; Serial: #1

Communication System: CDMA 835MHz FCC; Frequency: 848.31 MHz;Duty Cycle: 1:1

Medium parameters used: $\sigma = 0$ mho/m, $\epsilon_r = 1$; $\rho = 1$ kg/m³

Phantom section: H Dipole Section ; Measurement SW: DASY4, V4.7 Build 55; Postprocessing SW: SEMCAD, V1.8 Build 176

DASY4 Configuration:

- Probe: H3DV6 - SN6101; ; Calibrated: 2008-05-19
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn447; Calibrated: 2007-09-13
- Phantom: HAC Test Arch; Type: SD HAC P01 BA

H Scan 10mm above Device Reference/Hearing Aid Compatibility Test (101x101x1): Measurement grid: dx=5mm, dy=5mm

Maximum value of peak Total field = 0.126 A/m

Probe Modulation Factor = 0.850

Device Reference Point: 0.000, 0.000, 354.7 mm

Reference Value = 0.086 A/m; Power Drift = -0.045 dB

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

Peak H-field in A/m

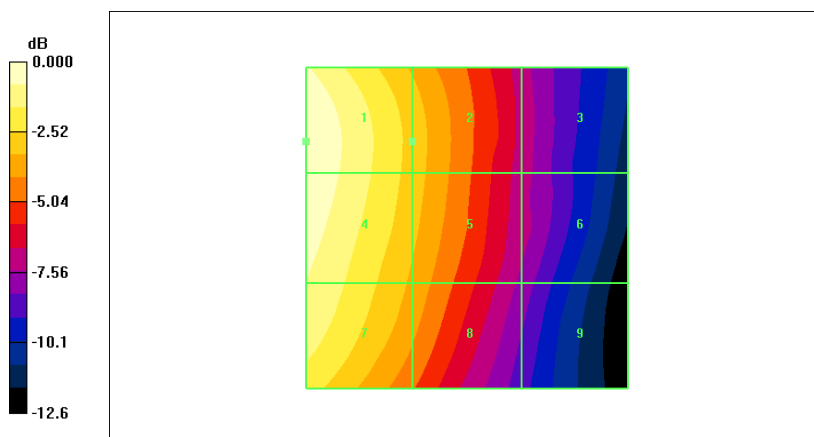
Grid 1	Grid 2	Grid 3
0.126 M4	0.091 M4	0.057 M4
Grid 4	Grid 5	Grid 6
0.125 M4	0.090 M4	0.056 M4
Grid 7	Grid 8	Grid 9
0.114 M4	0.084 M4	0.051 M4

Cursor:

Total = 0.126 A/m

H Category: M4

Location: 25, -13.5, 366.6 mm



0 dB = 0.126A/m

Test Laboratory: HCT CO., LTD.

Ambient Temperature / Channel 21.7 °C /25

Test Date July 23, 2008

DUT: CDM7076; Type: folder; Serial: #1

Communication System: PCS 1900MHz FCC; Frequency: 1851.25 MHz;Duty Cycle: 1:1

Medium parameters used: $\sigma = 0$ mho/m, $\epsilon_r = 1$; $\rho = 1$ kg/m³

Phantom section: H Device Section ; Measurement SW: DASY4, V4.7 Build 71; Postprocessing SW: SEMCAD, V1.8 Build 176

DASY4 Configuration:

- Probe: H3DV6 - SN6101; ; Calibrated: 2008-05-19
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn447; Calibrated: 2007-09-13
- Phantom: HAC Test Arch; Type: SD HAC P01 BA

H Scan 10mm above Device Reference/Hearing Aid Compatibility Test (101x101x1): Measurement grid: dx=5mm, dy=5mm

Maximum value of peak Total field = 0.111 A/m

Probe Modulation Factor = 0.650

Device Reference Point: 0.000, 0.000, 353.7 mm

Reference Value = 0.098 A/m; Power Drift = 0.135 dB

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

Peak H-field in A/m

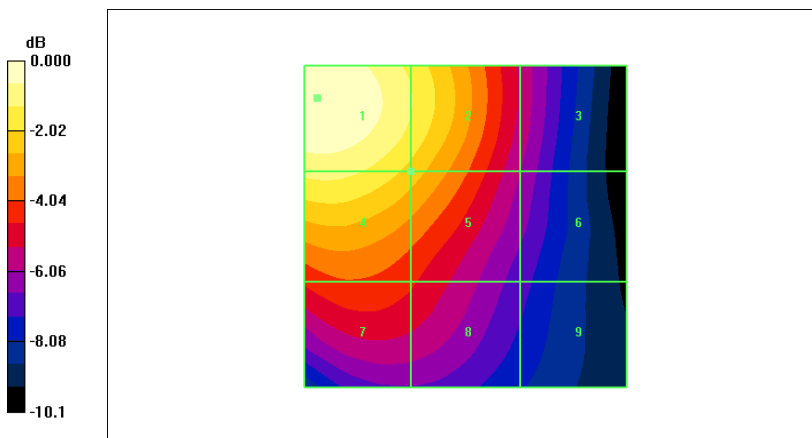
Grid 1	Grid 2	Grid 3
0.111 M4	0.096 M4	0.059 M4
Grid 4	Grid 5	Grid 6
0.098 M4	0.085 M4	0.056 M4
Grid 7	Grid 8	Grid 9
0.070 M4	0.066 M4	0.049 M4

Cursor:

Total = 0.111 A/m

H Category: M4

Location: 23, -20, 365.6 mm



0 dB = 0.111A/m

Test Laboratory: HCT CO., LTD.

Ambient Temperature / Channel 21.7 °C /600

Test Date July 23, 2008

DUT: CDM7076; Type: folder; Serial: #1

Communication System: PCS 1900MHz FCC; Frequency: 1880 MHz;Duty Cycle: 1:1

Medium parameters used: $\sigma = 0$ mho/m, $\epsilon_r = 1$; $\rho = 1$ kg/m³

Phantom section: H Device Section ; Measurement SW: DASY4, V4.7 Build 71; Postprocessing SW: SEMCAD, V1.8 Build 176

DASY4 Configuration:

- Probe: H3DV6 - SN6101; ; Calibrated: 2008-05-19
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn447; Calibrated: 2007-09-13
- Phantom: HAC Test Arch; Type: SD HAC P01 BA

H Scan 10mm above Device Reference/Hearing Aid Compatibility Test (101x101x1): Measurement grid: dx=5mm, dy=5mm

Maximum value of peak Total field = 0.118 A/m

Probe Modulation Factor = 0.650

Device Reference Point: 0.000, 0.000, 353.7 mm

Reference Value = 0.114 A/m; Power Drift = 0.103 dB

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

Peak H-field in A/m

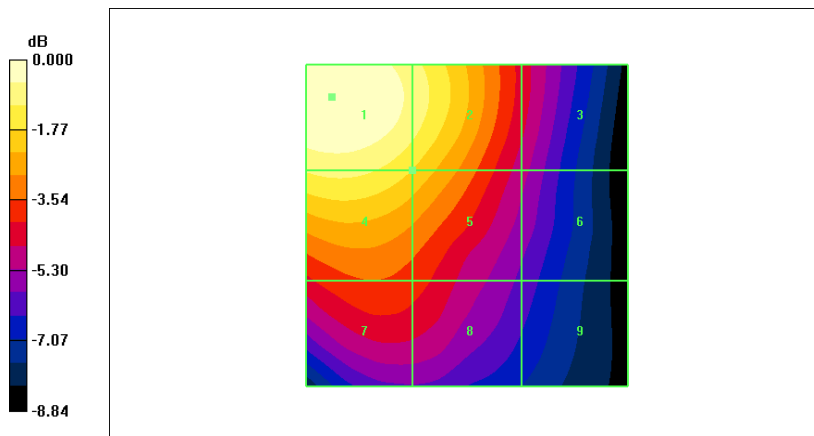
Grid 1	Grid 2	Grid 3
0.118 M4	0.108 M4	0.072 M4
Grid 4	Grid 5	Grid 6
0.105 M4	0.096 M4	0.066 M4
Grid 7	Grid 8	Grid 9
0.079 M4	0.076 M4	0.059 M4

Cursor:

Total = 0.118 A/m

H Category: M4

Location: 21, -20, 365.6 mm



0 dB = 0.118A/m

Test Laboratory: HCT CO., LTD.

Ambient Temperature / Channel 21.7 °C /1175

Test Date July 23, 2008

DUT: CDM7076; Type: folder; Serial: #1

Communication System: PCS 1900MHz FCC; Frequency: 1908.75 MHz;Duty Cycle: 1:1

Medium parameters used: $\sigma = 0$ mho/m, $\epsilon_r = 1$; $\rho = 1$ kg/m³

Phantom section: H Device Section ; Measurement SW: DASY4, V4.7 Build 71; Postprocessing SW: SEMCAD, V1.8 Build 176

DASY4 Configuration:

- Probe: H3DV6 - SN6101; ; Calibrated: 2008-05-19
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn447; Calibrated: 2007-09-13
- Phantom: HAC Test Arch; Type: SD HAC P01 BA

H Scan 10mm above Device Reference/Hearing Aid Compatibility Test (101x101x1): Measurement grid: dx=5mm, dy=5mm

Maximum value of peak Total field = 0.109 A/m

Probe Modulation Factor = 0.650

Device Reference Point: 0.000, 0.000, 353.7 mm

Reference Value = 0.102 A/m; Power Drift = 0.122 dB

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

Peak H-field in A/m

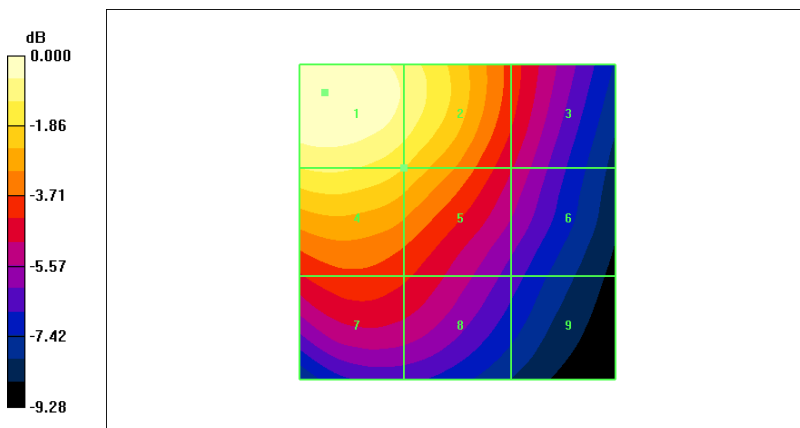
Grid 1	Grid 2	Grid 3
0.109 M4	0.101 M4	0.069 M4
Grid 4	Grid 5	Grid 6
0.096 M4	0.088 M4	0.062 M4
Grid 7	Grid 8	Grid 9
0.070 M4	0.067 M4	0.052 M4

Cursor:

Total = 0.109 A/m

H Category: M4

Location: 21, -20.5, 365.6 mm



0 dB = 0.109A/m