

APPENDIX A. HAC TEST PLOTS

Test Laboratory: HCT CO., LTD.

Ambient Temperature / Channel 21.4 °C /128

Test Date Nov.23, 2009

DUT: P2000; Type: Folder; Serial: #1

Communication System: GSM 850; Frequency: 824.2 MHz; Duty Cycle: 1:8.3

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: 2009-05-22
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn869; Calibrated: 2009-09-18
- Phantom: HAC Test Arch; Type: SD HAC P01 BA

E Scan - ER3D - 2007: 15 mm from Probe Center to the Device/Hearing Aid Compatibility Test (101x101x1):

Measurement grid: dx=5mm, dy=5mm

Maximum value of peak Total field = 100.6 V/m

Probe Modulation Factor = 2.72

Device Reference Point: 0.000, 0.000, 353.7 mm

Reference Value = 48.0 V/m; Power Drift = -0.028 dB

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

Peak E-field in V/m

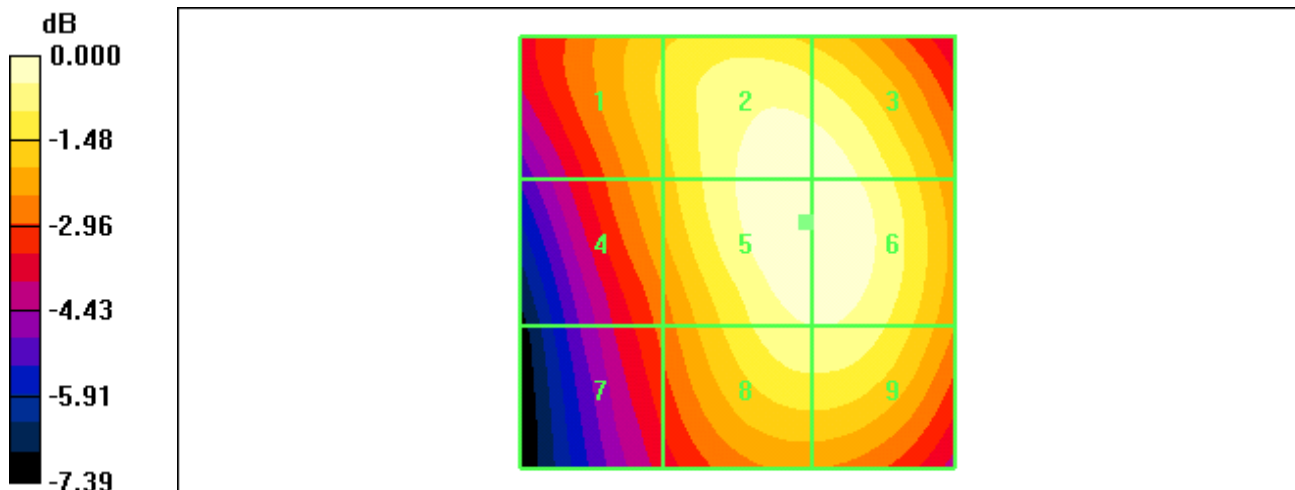
Grid 1	Grid 2	Grid 3
86.0 M4	99.6 M4	99.4 M4
Grid 4	Grid 5	Grid 6
82.7 M4	100.6 M4	100.6 M4
Grid 7	Grid 8	Grid 9
73.5 M4	95.1 M4	95.2 M4

Cursor:

Total = 100.6 V/m

E Category: M4

Location: -8, -3.5, 369.9 mm



Test Laboratory: HCT CO., LTD.

Ambient Temperature / Channel 21.4 °C /190

Test Date Nov.23, 2009

DUT: P2000; Type: Folder; Serial: #1

Communication System: GSM 850; Frequency: 836.6 MHz; Duty Cycle: 1:8.3

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: 2009-05-22
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn869; Calibrated: 2009-09-18
- Phantom: HAC Test Arch; Type: SD HAC P01 BA

E Scan - ER3D - 2007: 15 mm from Probe Center to the Device/Hearing Aid Compatibility Test (101x101x1):

Measurement grid: dx=5mm, dy=5mm

Maximum value of peak Total field = 111.1 V/m

Probe Modulation Factor = 2.72

Device Reference Point: 0.000, 0.000, 353.7 mm

Reference Value = 53.9 V/m; Power Drift = 0.023 dB

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

Peak E-field in V/m

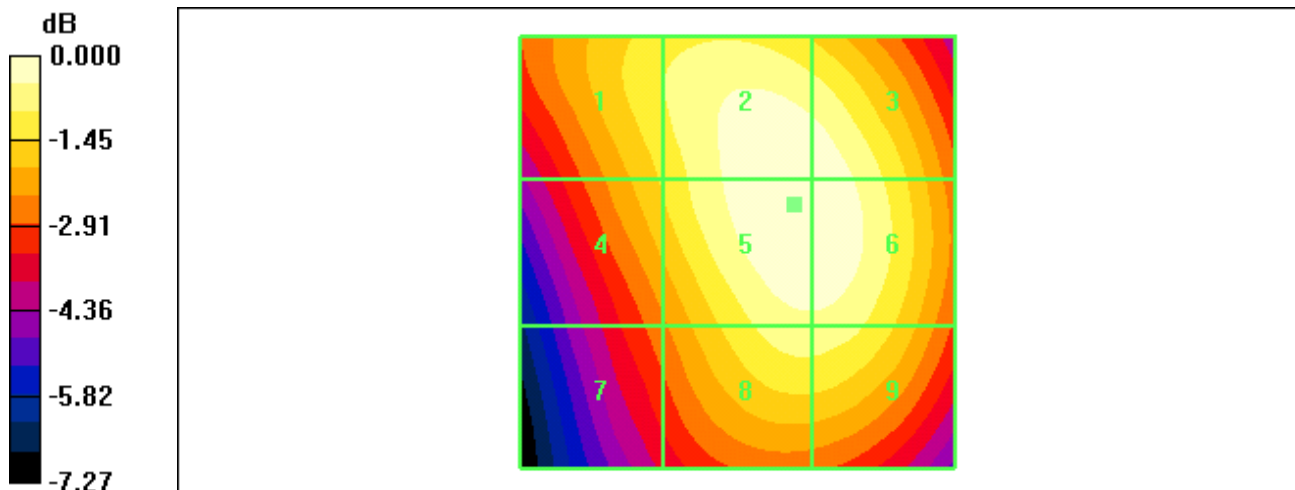
Grid 1	Grid 2	Grid 3
99.4 M4	110.7 M4	109.9 M4
Grid 4	Grid 5	Grid 6
95.0 M4	111.1 M4	110.7 M4
Grid 7	Grid 8	Grid 9
83.3 M4	103.3 M4	103.3 M4

Cursor:

Total = 111.1 V/m

E Category: M4

Location: -6.5, -5.5, 369.9 mm



0 dB = 111.1V/m

Test Laboratory: HCT CO., LTD.

Ambient Temperature / Channel 21.4 °C /251

Test Date Nov.23, 2009

DUT: P2000; Type: Folder; Serial: #1

Communication System: GSM 850; Frequency: 848.8 MHz; Duty Cycle: 1:8.3

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: 2009-05-22
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn869; Calibrated: 2009-09-18
- Phantom: HAC Test Arch; Type: SD HAC P01 BA

E Scan - ER3D - 2007: 15 mm from Probe Center to the Device/Hearing Aid Compatibility Test (101x101x1):

Measurement grid: dx=5mm, dy=5mm

Maximum value of peak Total field = 110.7 V/m

Probe Modulation Factor = 2.72

Device Reference Point: 0.000, 0.000, 353.7 mm

Reference Value = 53.3 V/m; Power Drift = 0.101 dB

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

Peak E-field in V/m

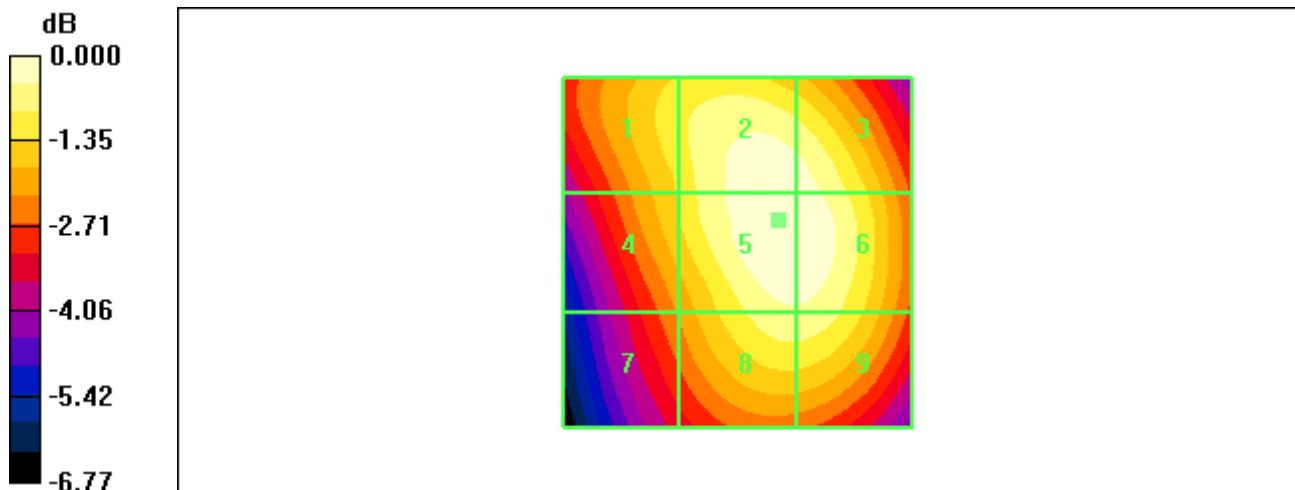
Grid 1	Grid 2	Grid 3
98.4 M4	110.0 M4	108.6 M4
Grid 4	Grid 5	Grid 6
95.3 M4	110.7 M4	110.2 M4
Grid 7	Grid 8	Grid 9
86.0 M4	104.3 M4	104.3 M4

Cursor:

Total = 110.7 V/m

E Category: M4

Location: -6, -4.5, 369.9 mm



0 dB = 110.7V/m

Test Laboratory: HCT CO., LTD.

Ambient Temperature / Channel 21.4 °C /512

Test Date Nov.23, 2009

DUT: P2000; Type: Folder; Serial: #1

Communication System: GSM 1900; Frequency: 1850.2 MHz; Duty Cycle: 1:8.3

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: 2009-05-22
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn869; Calibrated: 2009-09-18
- Phantom: HAC Test Arch; Type: SD HAC P01 BA

E Scan - ER3D - 2007: 15 mm from Probe Center to the Device/Hearing Aid Compatibility Test (101x101x1):

Measurement grid: dx=5mm, dy=5mm

Maximum value of peak Total field = 44.9 V/m

Probe Modulation Factor = 2.67

Device Reference Point: 0.000, 0.000, 353.7 mm

Reference Value = 18.1 V/m; Power Drift = -0.017 dB

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

Peak E-field in V/m

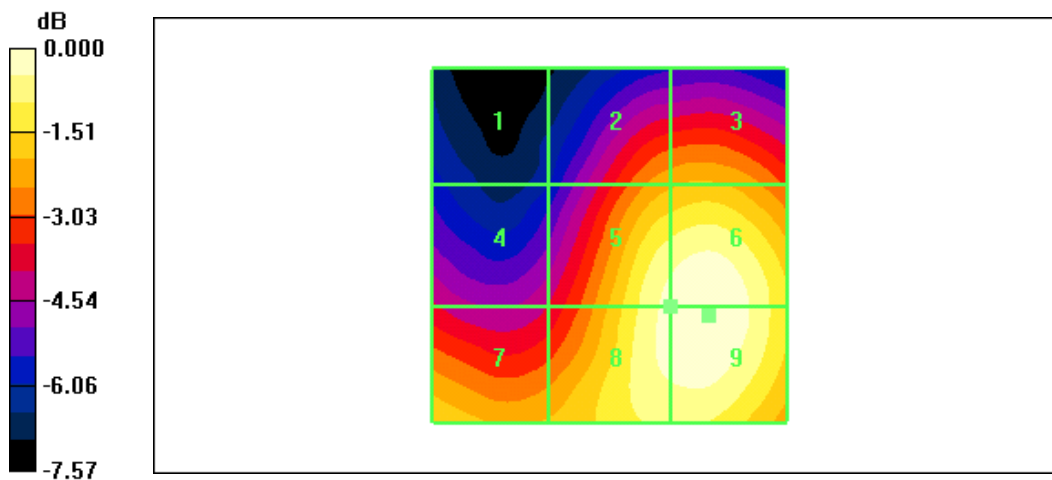
Grid 1	Grid 2	Grid 3
23.1 M4	35.3 M4	36.1 M4
Grid 4	Grid 5	Grid 6
28.6 M4	43.2 M4	44.8 M4
Grid 7	Grid 8	Grid 9
37.7 M4	43.4 M4	44.9 M4

Cursor:

Total = 44.9 V/m

E Category: M4

Location: -14, 10, 369.9 mm



Test Laboratory: HCT CO., LTD.

Ambient Temperature / Channel 21.4 °C /661

Test Date Nov.23, 2009

DUT: P2000; Type: Folder; Serial: #1

Communication System: GSM 1900; Frequency: 1880 MHz;Duty Cycle: 1:8.3

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: 2009-05-22
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn869; Calibrated: 2009-09-18
- Phantom: HAC Test Arch; Type: SD HAC P01 BA

E Scan - ER3D - 2007: 15 mm from Probe Center to the Device/Hearing Aid Compatibility Test (101x101x1):

Measurement grid: dx=5mm, dy=5mm

Maximum value of peak Total field = 49.0 V/m

Probe Modulation Factor = 2.67

Device Reference Point: 0.000, 0.000, 353.7 mm

Reference Value = 19.3 V/m; Power Drift = -0.073 dB

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

Peak E-field in V/m

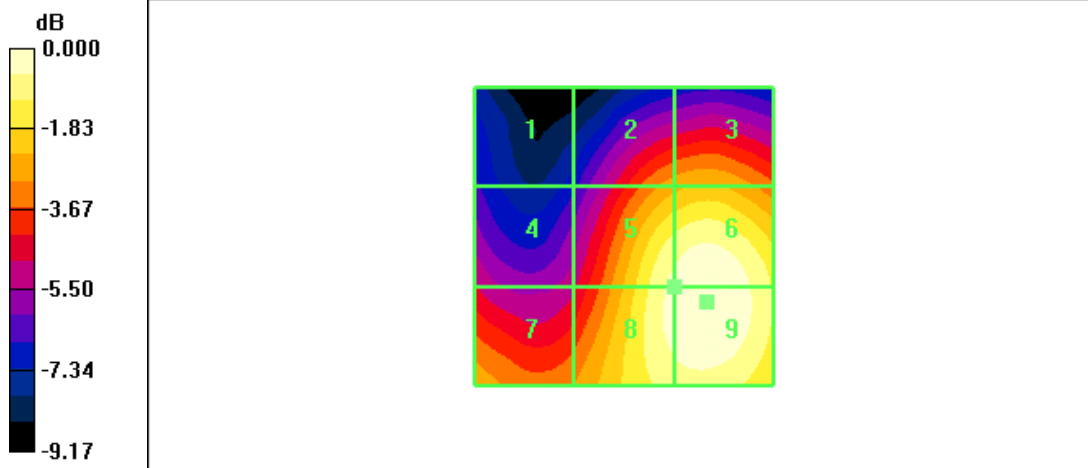
Grid 1	Grid 2	Grid 3
23.1 M4	36.0 M4	37.3 M4
Grid 4	Grid 5	Grid 6
28.3 M4	46.8 M4	48.7 M3
Grid 7	Grid 8	Grid 9
36.7 M4	47.2 M4	49.0 M3

Cursor:

Total = 49.0 V/m

E Category: M3

Location: -14, 11, 369.9 mm



0 dB = 49.0V/m

Test Laboratory: HCT CO., LTD.

Ambient Temperature / Channel 21.4 °C /810

Test Date Nov.23, 2009

DUT: P2000; Type: Folder; Serial: #1

Communication System: GSM 1900; Frequency: 1909.8 MHz; Duty Cycle: 1:8.3

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: 2009-05-22
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn869; Calibrated: 2009-09-18
- Phantom: HAC Test Arch; Type: SD HAC P01 BA

E Scan - ER3D - 2007: 15 mm from Probe Center to the Device/Hearing Aid Compatibility Test (101x101x1):

Measurement grid: dx=5mm, dy=5mm

Maximum value of peak Total field = 46.7 V/m

Probe Modulation Factor = 2.67

Device Reference Point: 0.000, 0.000, 353.7 mm

Reference Value = 18.2 V/m; Power Drift = 0.027 dB

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

Peak E-field in V/m

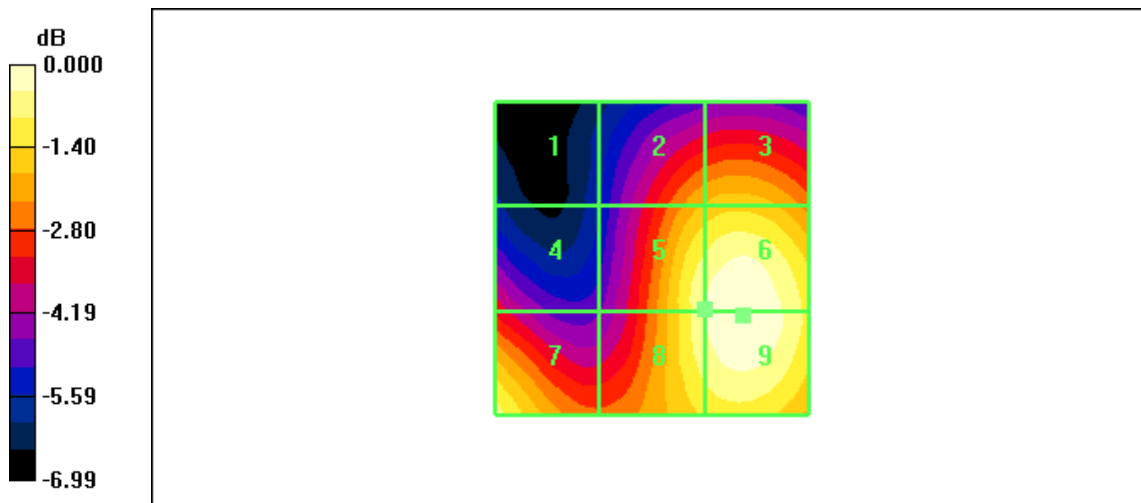
Grid 1	Grid 2	Grid 3
24.5 M4	38.0 M4	39.1 M4
Grid 4	Grid 5	Grid 6
31.9 M4	44.2 M4	46.7 M4
Grid 7	Grid 8	Grid 9
43.1 M4	44.2 M4	46.7 M4

Cursor:

Total = 46.7 V/m

E Category: M4

Location: -14.5, 9, 369.9 mm



0 dB = 46.7V/m

Test Laboratory: HCT CO., LTD.

Ambient Temperature / Channel 21.4 °C /128

Test Date Nov.23, 2009

DUT: P2000; Type: Folder; Serial: #1

Communication System: GSM 850; Frequency: 824.2 MHz; Duty Cycle: 1:8.3

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: 2009-05-22
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn869; Calibrated: 2009-09-18
- Phantom: HAC Test Arch; Type: SD HAC P01 BA

H Scan - H3DV6 - 2007: 15 mm from Probe Center to the Device/Hearing Aid Compatibility Test (101x101x1):

Measurement grid: dx=5mm, dy=5mm

Maximum value of peak Total field = 0.151 A/m

Probe Modulation Factor = 1.87

Device Reference Point: 0.000, 0.000, 353.7 mm

Reference Value = 0.053 A/m; Power Drift = 0.007 dB

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

Peak H-field in A/m

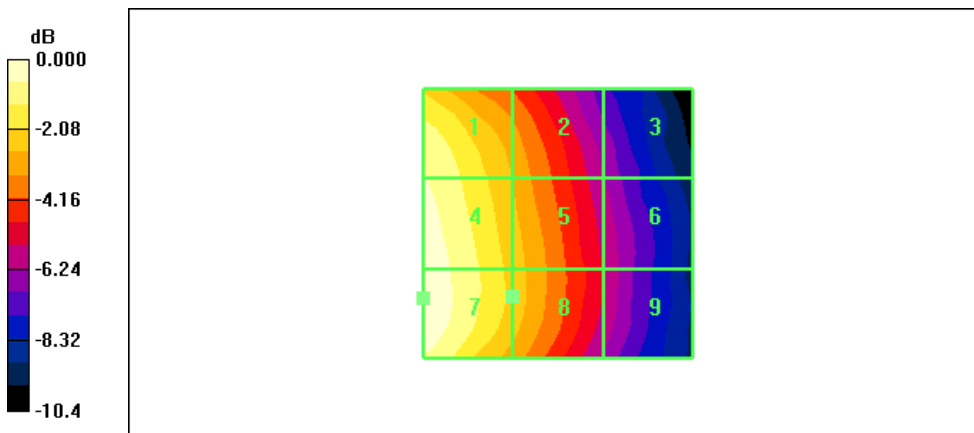
Grid 1	Grid 2	Grid 3
0.140 M4	0.110 M4	0.074 M4
Grid 4	Grid 5	Grid 6
0.149 M4	0.115 M4	0.079 M4
Grid 7	Grid 8	Grid 9
0.151 M4	0.116 M4	0.080 M4

Cursor:

Total = 0.151 A/m

H Category: M4

Location: 25, 14, 369.4 mm



0 dB = 0.151A/m

Test Laboratory: HCT CO., LTD.

Ambient Temperature / Channel 21.4 °C /190

Test Date Nov.23, 2009

DUT: P2000; Type: Folder; Serial: #1

Communication System: GSM 850; Frequency: 836.6 MHz; Duty Cycle: 1:8.3

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: 2009-05-22
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn869; Calibrated: 2009-09-18
- Phantom: HAC Test Arch; Type: SD HAC P01 BA

H Scan - H3DV6 - 2007: 15 mm from Probe Center to the Device/Hearing Aid Compatibility Test (101x101x1):

Measurement grid: dx=5mm, dy=5mm

Maximum value of peak Total field = 0.152 A/m

Probe Modulation Factor = 1.87

Device Reference Point: 0.000, 0.000, 353.7 mm

Reference Value = 0.052 A/m; Power Drift = 0.060 dB

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

Peak H-field in A/m

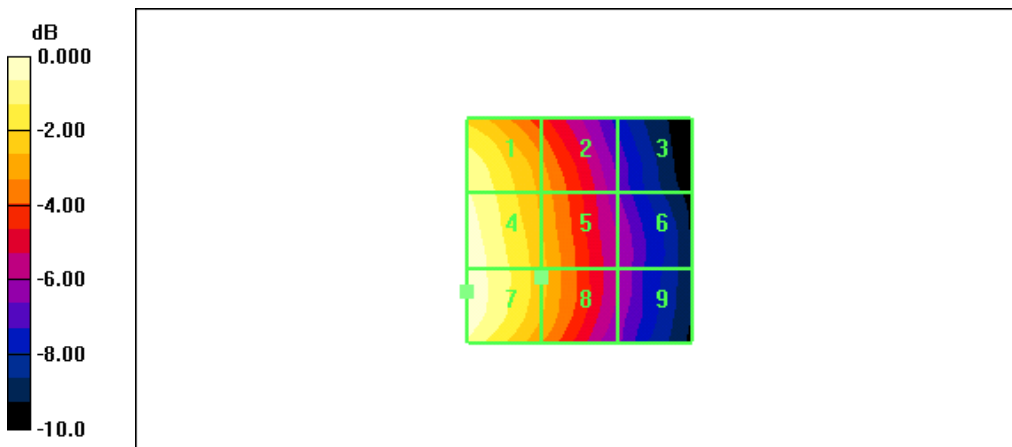
Grid 1	Grid 2	Grid 3
0.142 M4	0.109 M4	0.071 M4
Grid 4	Grid 5	Grid 6
0.151 M4	0.115 M4	0.077 M4
Grid 7	Grid 8	Grid 9
0.152 M4	0.115 M4	0.077 M4

Cursor:

Total = 0.152 A/m

H Category: M4

Location: 25, 13.5, 369.4 mm



0 dB = 0.152A/m

Test Laboratory: HCT CO., LTD.

Ambient Temperature / Channel 21.4 °C /251

Test Date Nov.23, 2009

DUT: P2000; Type: Folder; Serial: #1

Communication System: GSM 850; Frequency: 848.8 MHz; Duty Cycle: 1:8.3

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: 2009-05-22
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn869; Calibrated: 2009-09-18
- Phantom: HAC Test Arch; Type: SD HAC P01 BA

H Scan - H3DV6 - 2007: 15 mm from Probe Center to the Device/Hearing Aid Compatibility Test (101x101x1):

Measurement grid: dx=5mm, dy=5mm

Maximum value of peak Total field = 0.142 A/m

Probe Modulation Factor = 1.87

Device Reference Point: 0.000, 0.000, 353.7 mm

Reference Value = 0.045 A/m; Power Drift = 0.093 dB

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

Peak H-field in A/m

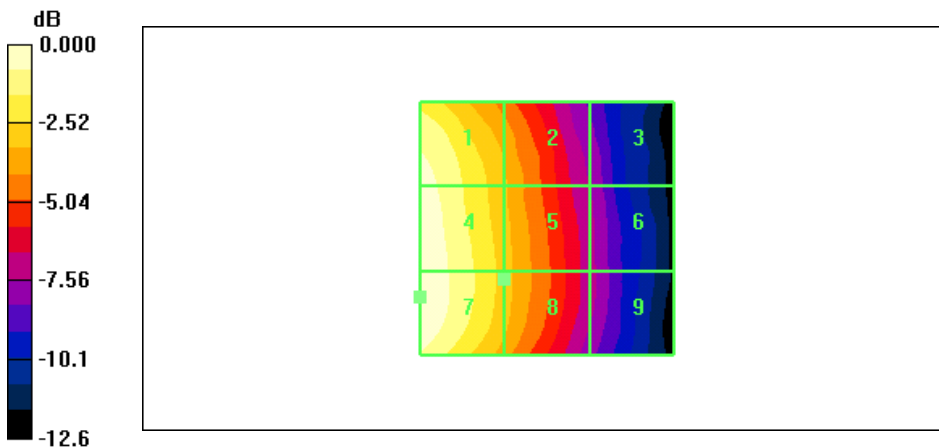
Grid 1	Grid 2	Grid 3
0.134 M4	0.098 M4	0.059 M4
Grid 4	Grid 5	Grid 6
0.141 M4	0.102 M4	0.062 M4
Grid 7	Grid 8	Grid 9
0.142 M4	0.102 M4	0.062 M4

Cursor:

Total = 0.142 A/m

H Category: M4

Location: 25, 13.5, 369.4 mm



0 dB = 0.142A/m

Test Laboratory: HCT CO., LTD.

Ambient Temperature / Channel 21.4 °C /512

Test Date Nov.23, 2009

DUT: P2000; Type: Folder; Serial: #1

Communication System: GSM 1900; Frequency: 1850.2 MHz; Duty Cycle: 1:8.3

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: 2009-05-22
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn869; Calibrated: 2009-09-18
- Phantom: HAC Test Arch; Type: SD HAC P01 BA

H Scan - H3DV6 - 2007: 15 mm from Probe Center to the Device/Hearing Aid Compatibility Test (101x101x1):

Measurement grid: dx=5mm, dy=5mm

Maximum value of peak Total field = 0.106 A/m

Probe Modulation Factor = 2.22

Device Reference Point: 0.000, 0.000, 353.7 mm

Reference Value = 0.038 A/m; Power Drift = 0.043 dB

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

Peak H-field in A/m

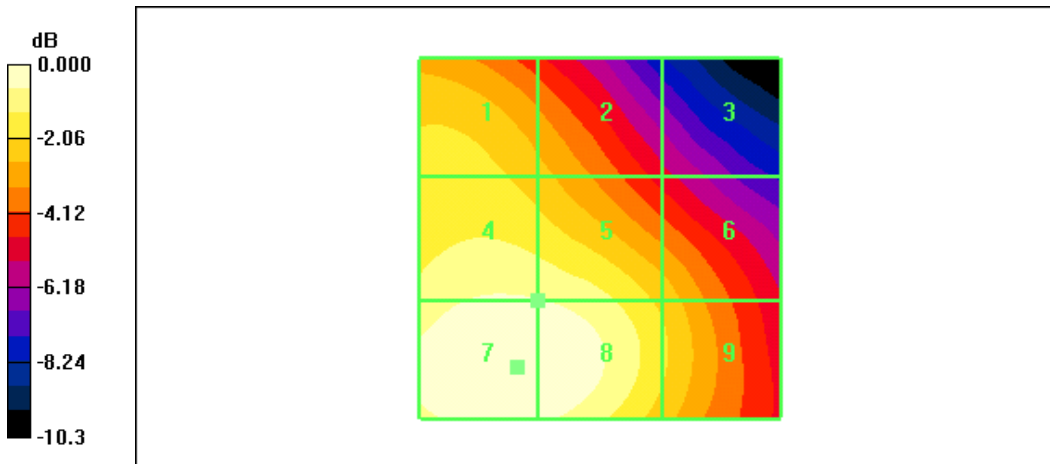
Grid 1	Grid 2	Grid 3
0.086 M4	0.080 M4	0.059 M4
Grid 4	Grid 5	Grid 6
0.099 M4	0.098 M4	0.082 M4
Grid 7	Grid 8	Grid 9
0.106 M4	0.105 M4	0.086 M4

Cursor:

Total = 0.106 A/m

H Category: M4

Location: 11.5, 18, 369.4 mm



0 dB = 0.106A/m

Test Laboratory: HCT CO., LTD.

Ambient Temperature / Channel 21.4 °C /661

Test Date Nov.23, 2009

DUT: P2000; Type: Folder; Serial: #1

Communication System: GSM 1900; Frequency: 1880 MHz; Duty Cycle: 1:8.3

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: 2009-05-22
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn869; Calibrated: 2009-09-18
- Phantom: HAC Test Arch; Type: SD HAC P01 BA

H Scan - H3DV6 - 2007: 15 mm from Probe Center to the Device/Hearing Aid Compatibility Test (101x101x1):

Measurement grid: dx=5mm, dy=5mm

Maximum value of peak Total field = 0.111 A/m

Probe Modulation Factor = 2.22

Device Reference Point: 0.000, 0.000, 353.7 mm

Reference Value = 0.038 A/m; Power Drift = 0.028 dB

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

Peak H-field in A/m

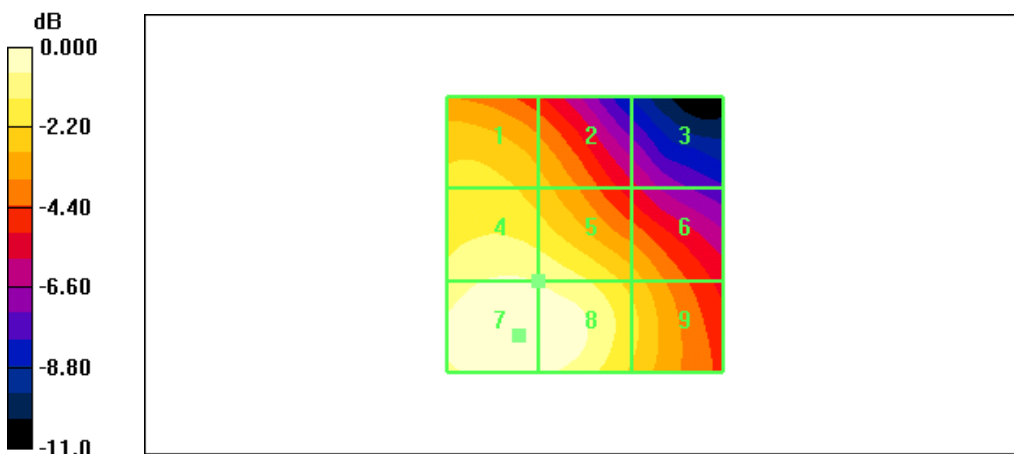
Grid 1	Grid 2	Grid 3
0.089 M4	0.083 M4	0.058 M4
Grid 4	Grid 5	Grid 6
0.103 M4	0.102 M4	0.083 M4
Grid 7	Grid 8	Grid 9
0.111 M4	0.110 M4	0.089 M4

Cursor:

Total = 0.111 A/m

H Category: M4

Location: 12, 18.5, 369.4 mm



0 dB = 0.111A/m

Test Laboratory: HCT CO., LTD.

Ambient Temperature / Channel 21.4 °C /810

Test Date Nov.23, 2009

DUT: P2000; Type: Folder; Serial: #1

Communication System: GSM 1900; Frequency: 1909.8 MHz; Duty Cycle: 1:8.3

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: 2009-05-22
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn869; Calibrated: 2009-09-18
- Phantom: HAC Test Arch; Type: SD HAC P01 BA

H Scan - H3DV6 - 2007: 15 mm from Probe Center to the Device/Hearing Aid Compatibility Test (101x101x1):

Measurement grid: dx=5mm, dy=5mm

Maximum value of peak Total field = 0.133 A/m

Probe Modulation Factor = 2.22

Device Reference Point: 0.000, 0.000, 353.7 mm

Reference Value = 0.043 A/m; Power Drift = -0.053 dB

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

Peak H-field in A/m

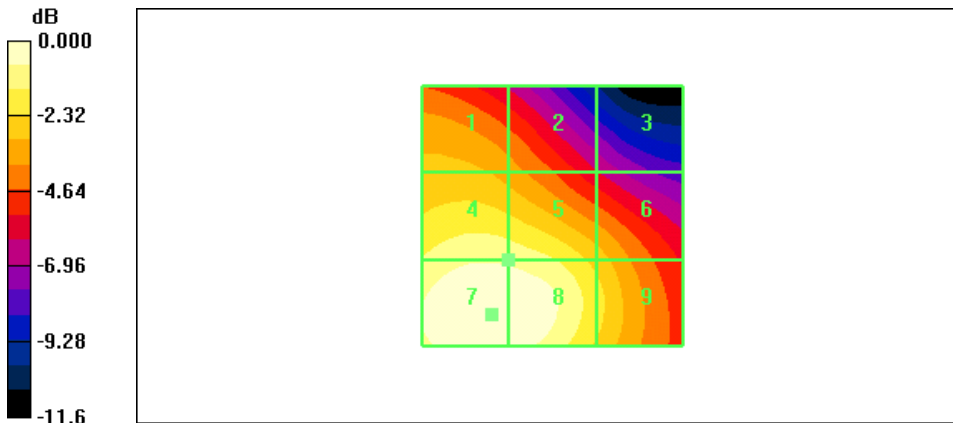
Grid 1	Grid 2	Grid 3
0.096 M4	0.090 M4	0.066 M4
Grid 4	Grid 5	Grid 6
0.121 M4	0.120 M4	0.098 M4
Grid 7	Grid 8	Grid 9
0.133 M4	0.132 M4	0.105 M4

Cursor:

Total = 0.133 A/m

H Category: M4

Location: 11.5, 19, 369.4 mm



0 dB = 0.133A/m

Test Laboratory: HCT CO., LTD.

Ambient Temperature / Channel 21.4 °C /4132

Test Date Nov.23, 2009

DUT: P2000; Type: Folder; Serial: #1

Communication System: WCDMA850; Frequency: 836.6 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: 2009-05-22

- Sensor-Surface: (Fix Surface)

- Electronics: DAE4 Sn869; Calibrated: 2009-09-18

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

E Scan - ER3D - 2007: 15 mm from Probe Center to the Device/Hearing Aid Compatibility Test (101x101x1):

Measurement grid: dx=5mm, dy=5mm

Maximum value of peak Total field = 22.7 V/m

Probe Modulation Factor = 0.837

Device Reference Point: 0.000, 0.000, 353.7 mm

Reference Value = 34.9 V/m; Power Drift = -0.007 dB

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

Peak E-field in V/m

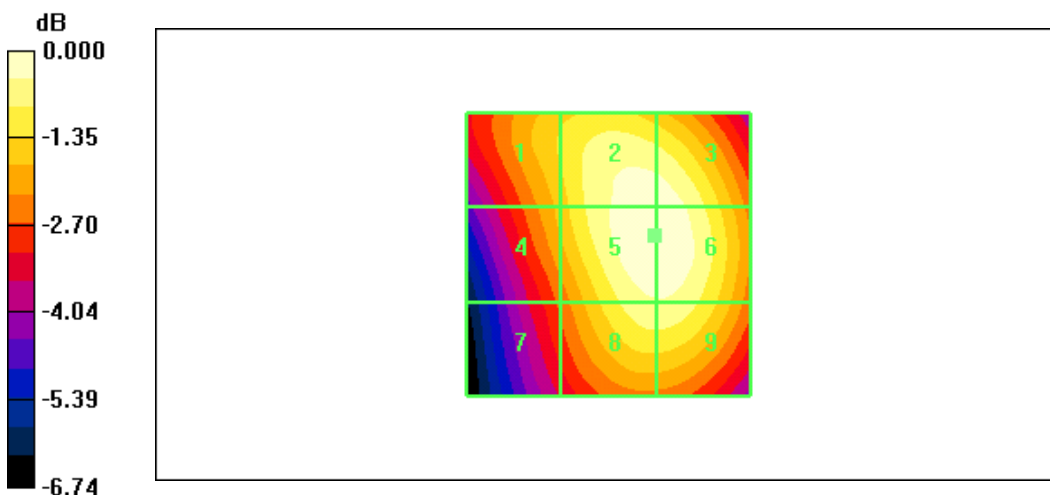
Grid 1	Grid 2	Grid 3
19.6 M4	22.4 M4	22.3 M4
Grid 4	Grid 5	Grid 6
18.9 M4	22.7 M4	22.7 M4
Grid 7	Grid 8	Grid 9
16.9 M4	21.4 M4	21.5 M4

Cursor:

Total = 22.7 V/m

E Category: M4

Location: -8, -3.5, 369.9 mm



0 dB = 22.7V/m

Test Laboratory: HCT CO., LTD.

Ambient Temperature / Channel 21.4 °C /4183

Test Date Nov.23, 2009

DUT: P2000; Type: Folder; Serial: #1

Communication System: WCDMA850; Frequency: 836.6 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: 2009-05-22
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn869; Calibrated: 2009-09-18
- Phantom: HAC Test Arch; Type: SD HAC P01 BA

E Scan - ER3D - 2007: 15 mm from Probe Center to the Device/Hearing Aid Compatibility Test (101x101x1):

Measurement grid: dx=5mm, dy=5mm

Maximum value of peak Total field = 26.5 V/m

Probe Modulation Factor = 0.837

Device Reference Point: 0.000, 0.000, 353.7 mm

Reference Value = 41.5 V/m; Power Drift = -0.021 dB

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

Peak E-field in V/m

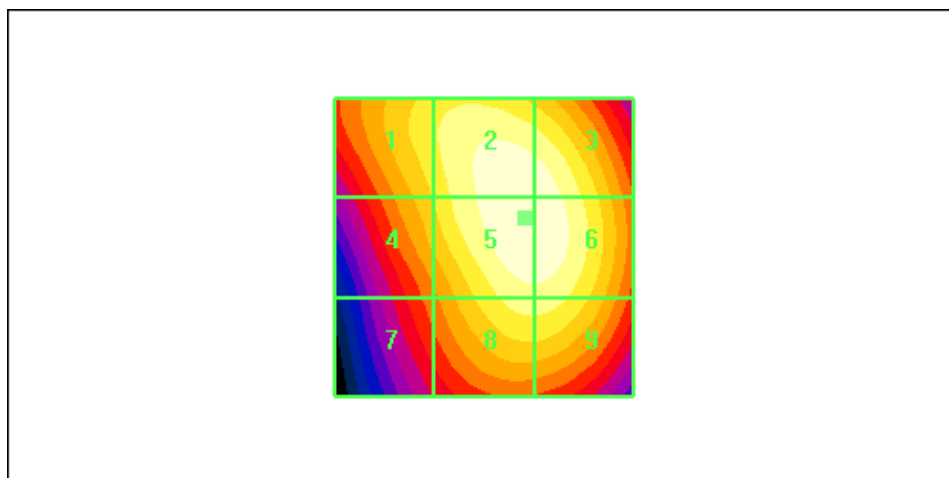
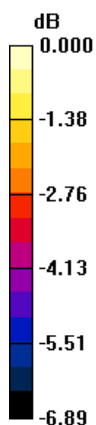
Grid 1	Grid 2	Grid 3
23.7 M4	26.3 M4	26.2 M4
Grid 4	Grid 5	Grid 6
22.7 M4	26.5 M4	26.4 M4
Grid 7	Grid 8	Grid 9
20.1 M4	24.6 M4	24.6 M4

Cursor:

Total = 26.5 V/m

E Category: M4

Location: -7, -5, 369.9 mm



0 dB = 26.5V/m

Test Laboratory: HCT CO., LTD.

Ambient Temperature / Channel 21.4 °C /4233

Test Date Nov.23, 2009

DUT: P2000; Type: Folder; Serial: #1

Communication System: WCDMA850; Frequency: 846.6 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: 2009-05-22
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn869; Calibrated: 2009-09-18
- Phantom: HAC Test Arch; Type: SD HAC P01 BA

E Scan - ER3D - 2007: 15 mm from Probe Center to the Device/Hearing Aid Compatibility Test (101x101x1):

Measurement grid: dx=5mm, dy=5mm

Maximum value of peak Total field = 28.5 V/m

Probe Modulation Factor = 0.837

Device Reference Point: 0.000, 0.000, 353.7 mm

Reference Value = 44.6 V/m; Power Drift = -0.040 dB

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

Peak E-field in V/m

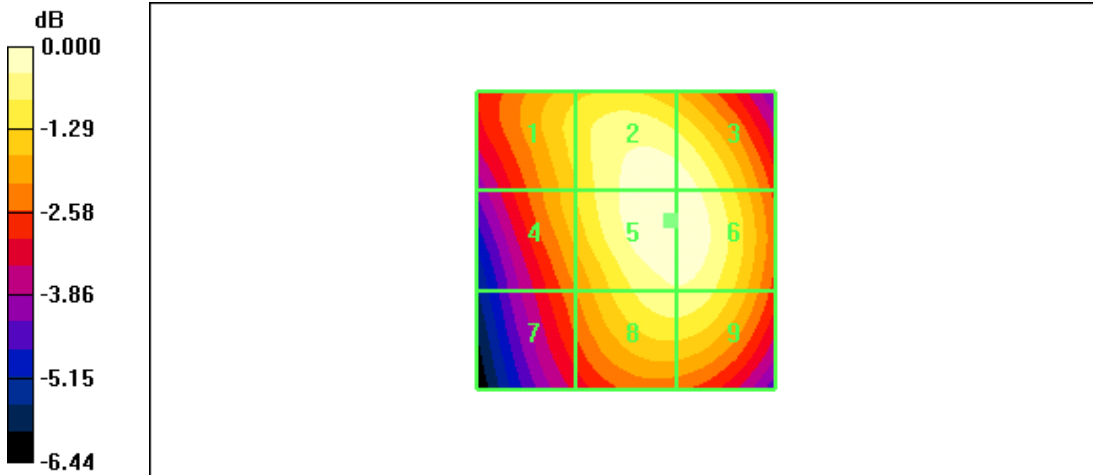
Grid 1	Grid 2	Grid 3
25.2 M4	28.2 M4	28.0 M4
Grid 4	Grid 5	Grid 6
24.5 M4	28.5 M4	28.5 M4
Grid 7	Grid 8	Grid 9
22.2 M4	27.0 M4	27.0 M4

Cursor:

Total = 28.5 V/m

E Category: M4

Location: -7.5, -3.5, 369.9 mm



0 dB = 28.5V/m

Test Laboratory: HCT CO., LTD.

Ambient Temperature / Channel 21.4 °C /9262

Test Date Nov.23, 2009

DUT: P2000; Type: Folder; Serial: #1

Communication System: WCDMA1900; Frequency: 1852.4 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: 2009-05-22
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn869; Calibrated: 2009-09-18
- Phantom: HAC Test Arch; Type: SD HAC P01 BA

E Scan - ER3D - 2007: 15 mm from Probe Center to the Device/Hearing Aid Compatibility Test (101x101x1):

Measurement grid: dx=5mm, dy=5mm

Maximum value of peak Total field = 20.8 V/m

Probe Modulation Factor = 0.855

Device Reference Point: 0.000, 0.000, 353.7 mm

Reference Value = 26.0 V/m; Power Drift = 0.040 dB

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

Peak E-field in V/m

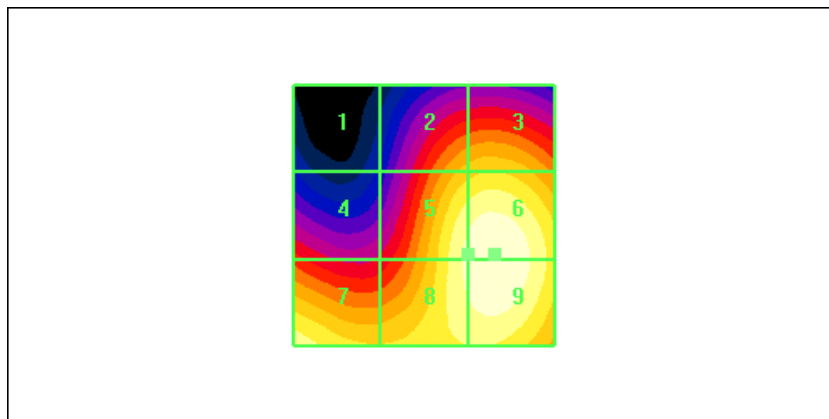
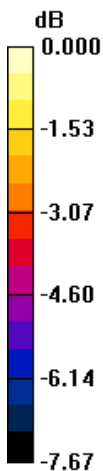
Grid 1	Grid 2	Grid 3
10.5 M4	17.0 M4	17.4 M4
Grid 4	Grid 5	Grid 6
14.3 M4	20.0 M4	20.8 M4
Grid 7	Grid 8	Grid 9
19.3 M4	19.9 M4	20.8 M4

Cursor:

Total = 20.8 V/m

E Category: M4

Location: -13.5, 7.5, 369.9 mm



0 dB = 20.8V/m

Test Laboratory: HCT CO., LTD.

Ambient Temperature / Channel 21.4 °C /9400

Test Date Nov.23, 2009

DUT: P2000; Type: Folder; Serial: #1

Communication System: WCDMA1900; 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: 2009-05-22
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn869; Calibrated: 2009-09-18
- Phantom: HAC Test Arch; Type: SD HAC P01 BA

E Scan - ER3D - 2007: 15 mm from Probe Center to the Device/Hearing Aid Compatibility Test (101x101x1):

Measurement grid: dx=5mm, dy=5mm

Maximum value of peak Total field = 21.7 V/m

Probe Modulation Factor = 0.855

Device Reference Point: 0.000, 0.000, 353.7 mm

Reference Value = 27.1 V/m; Power Drift = -0.081 dB

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

Peak E-field in V/m

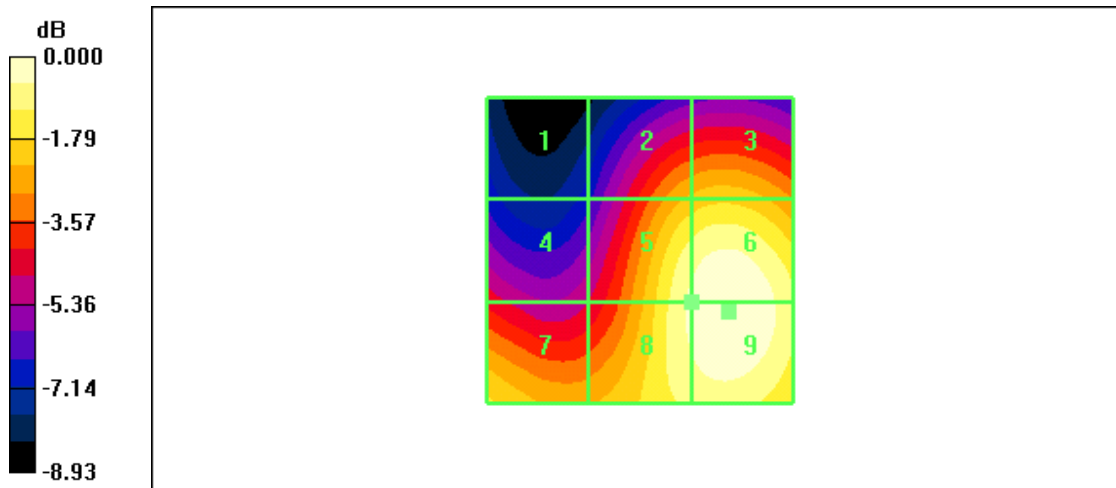
Grid 1	Grid 2	Grid 3
10.1 M4	16.8 M4	17.4 M4
Grid 4	Grid 5	Grid 6
13.2 M4	20.6 M4	21.7 M4
Grid 7	Grid 8	Grid 9
18.0 M4	20.7 M4	21.7 M4

Cursor:

Total = 21.7 V/m

E Category: M4

Location: -14.5, 10, 369.9 mm



0 dB = 21.7V/m

Test Laboratory: HCT CO., LTD.

Ambient Temperature / Channel 21.4 °C /9538

Test Date Nov.23, 2009

DUT: P2000; Type: Folder; Serial: #1

Communication System: WCDMA1900; Frequency: 1907.6 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: 2009-05-22
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn869; Calibrated: 2009-09-18
- Phantom: HAC Test Arch; Type: SD HAC P01 BA

E Scan - ER3D - 2007: 15 mm from Probe Center to the Device/Hearing Aid Compatibility Test (101x101x1):

Measurement grid: dx=5mm, dy=5mm

Maximum value of peak Total field = 18.9 V/m

Probe Modulation Factor = 0.855

Device Reference Point: 0.000, 0.000, 353.7 mm

Reference Value = 23.8 V/m; Power Drift = 0.005 dB

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

Peak E-field in V/m

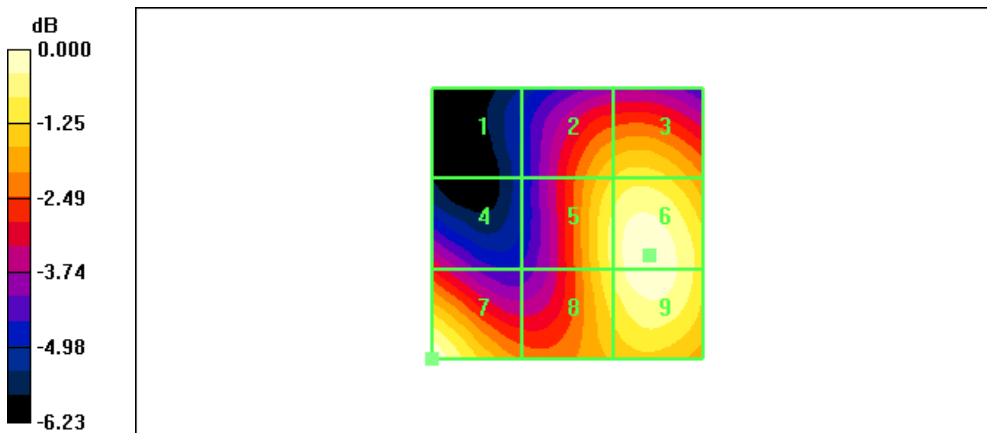
Grid 1	Grid 2	Grid 3
10.8 M4	16.4 M4	16.8 M4
Grid 4	Grid 5	Grid 6
13.5 M4	17.5 M4	18.6 M4
Grid 7	Grid 8	Grid 9
18.9 M4	17.4 M4	18.5 M4

Cursor:

Total = 18.9 V/m

E Category: M4

Location: 25, 25, 369.9 mm



0 dB = 18.9V/m

Test Laboratory: HCT CO., LTD.

Ambient Temperature / Channel 21.4 °C /4132

Test Date Nov.23, 2009

DUT: P2000; Type: Folder; Serial: #1

Communication System: WCDMA850; Frequency: 826.4 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: 2009-05-22
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn869; Calibrated: 2009-09-18
- Phantom: HAC Test Arch; Type: SD HAC P01 BA

H Scan - H3DV6 - 2007: 15 mm from Probe Center to the Device/Hearing Aid Compatibility Test (101x101x1):

Measurement grid: dx=5mm, dy=5mm

Maximum value of peak Total field = 0.050 A/m

Probe Modulation Factor = 0.825

Device Reference Point: 0.000, 0.000, 353.7 mm

Reference Value = 0.040 A/m; Power Drift = -0.031 dB

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

Peak H-field in A/m

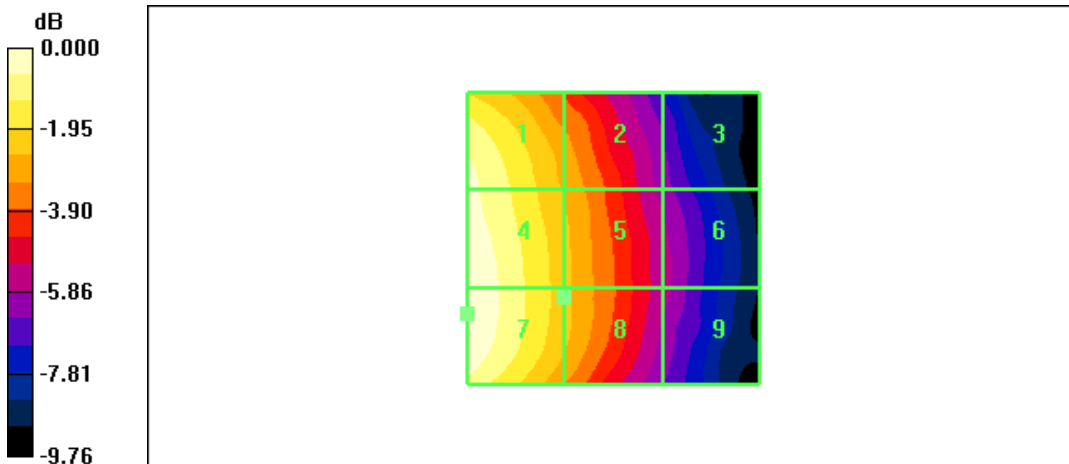
Grid 1	Grid 2	Grid 3
0.048 M4	0.037 M4	0.025 M4
Grid 4	Grid 5	Grid 6
0.050 M4	0.038 M4	0.027 M4
Grid 7	Grid 8	Grid 9
0.050 M4	0.038 M4	0.026 M4

Cursor:

Total = 0.050 A/m

H Category: M4

Location: 25, 13, 369.4 mm



Test Laboratory: HCT CO., LTD.

Ambient Temperature / Channel 21.4 °C /4183

Test Date Nov.23, 2009

DUT: P2000; Type: Folder; Serial: #1

Communication System: WCDMA850; Frequency: 836.6 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: 2009-05-22
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn869; Calibrated: 2009-09-18
- Phantom: HAC Test Arch; Type: SD HAC P01 BA

H Scan - H3DV6 - 2007: 15 mm from Probe Center to the Device/Hearing Aid Compatibility Test (101x101x1):

Measurement grid: dx=5mm, dy=5mm

Maximum value of peak Total field = 0.054 A/m

Probe Modulation Factor = 0.825

Device Reference Point: 0.000, 0.000, 353.7 mm

Reference Value = 0.042 A/m; Power Drift = -0.070 dB

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

Peak H-field in A/m

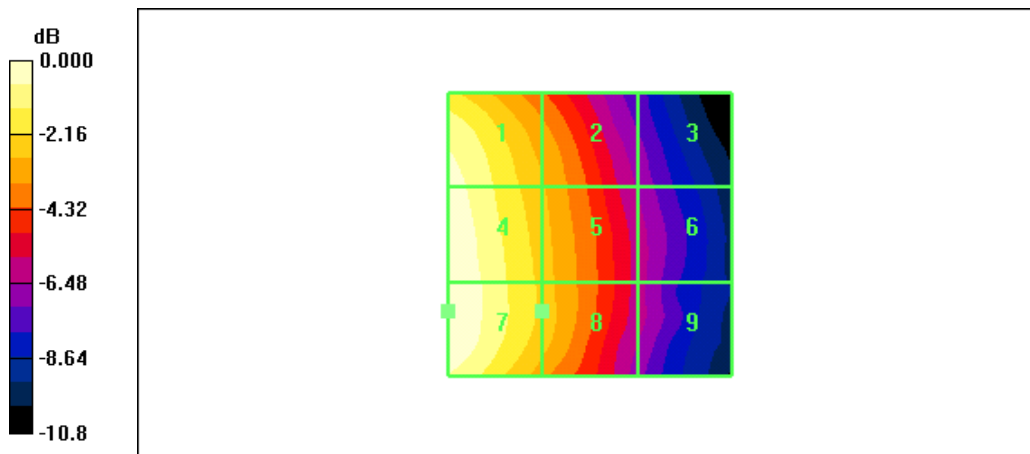
Grid 1	Grid 2	Grid 3
0.051 M4	0.039 M4	0.025 M4
Grid 4	Grid 5	Grid 6
0.054 M4	0.041 M4	0.027 M4
Grid 7	Grid 8	Grid 9
0.054 M4	0.041 M4	0.027 M4

Cursor:

Total = 0.054 A/m

H Category: M4

Location: 25, 13.5, 369.4 mm



0 dB = 0.054A/m

Test Laboratory: HCT CO., LTD.

Ambient Temperature / Channel 21.4 °C /4233

Test Date Nov.23, 2009

DUT: P2000; Type: Folder; Serial: #1

Communication System: WCDMA850; Frequency: 846.6 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: 2009-05-22
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn869; Calibrated: 2009-09-18
- Phantom: HAC Test Arch; Type: SD HAC P01 BA

H Scan - H3DV6 - 2007: 15 mm from Probe Center to the Device/Hearing Aid Compatibility Test (101x101x1):

Measurement grid: dx=5mm, dy=5mm

Maximum value of peak Total field = 0.056 A/m

Probe Modulation Factor = 0.825

Device Reference Point: 0.000, 0.000, 353.7 mm

Reference Value = 0.041 A/m; Power Drift = 0.036 dB

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

Peak H-field in A/m

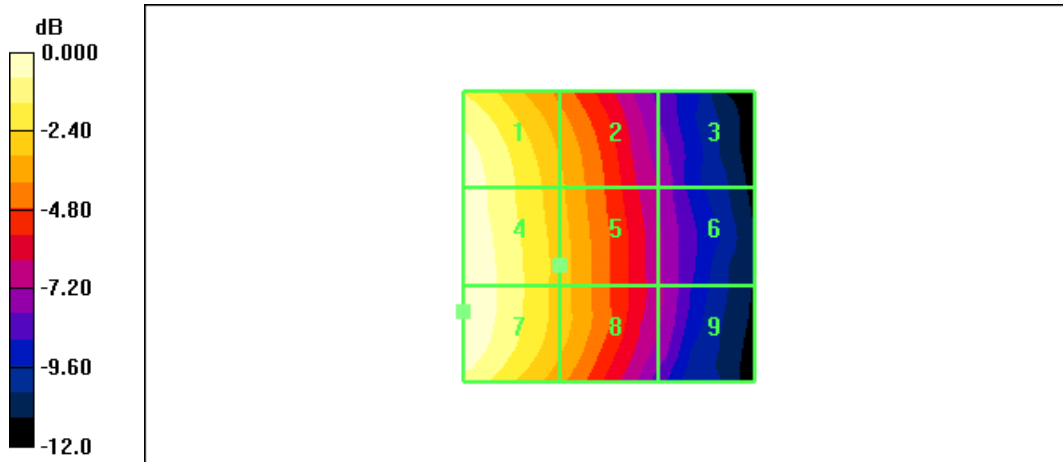
Grid 1	Grid 2	Grid 3
0.054 M4	0.040 M4	0.024 M4
Grid 4	Grid 5	Grid 6
0.056 M4	0.041 M4	0.025 M4
Grid 7	Grid 8	Grid 9
0.056 M4	0.041 M4	0.025 M4

Cursor:

Total = 0.056 A/m

H Category: M4

Location: 25, 13, 369.4 mm



Test Laboratory: HCT CO., LTD.

Ambient Temperature / Channel 21.4 °C /9262

Test Date Nov.23, 2009

DUT: P2000; Type: Folder; Serial: #1

Communication System: WCDMA1900; Frequency: 1852.4 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: 2009-05-22
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn869; Calibrated: 2009-09-18
- Phantom: HAC Test Arch; Type: SD HAC P01 BA

H Scan - H3DV6 - 2007: 15 mm from Probe Center to the Device/Hearing Aid Compatibility Test (101x101x1):

Measurement grid: dx=5mm, dy=5mm

Maximum value of peak Total field = 0.060 A/m

Probe Modulation Factor = 0.814

Device Reference Point: 0.000, 0.000, 353.7 mm

Reference Value = 0.059 A/m; Power Drift = -0.001 dB

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

Peak H-field in A/m

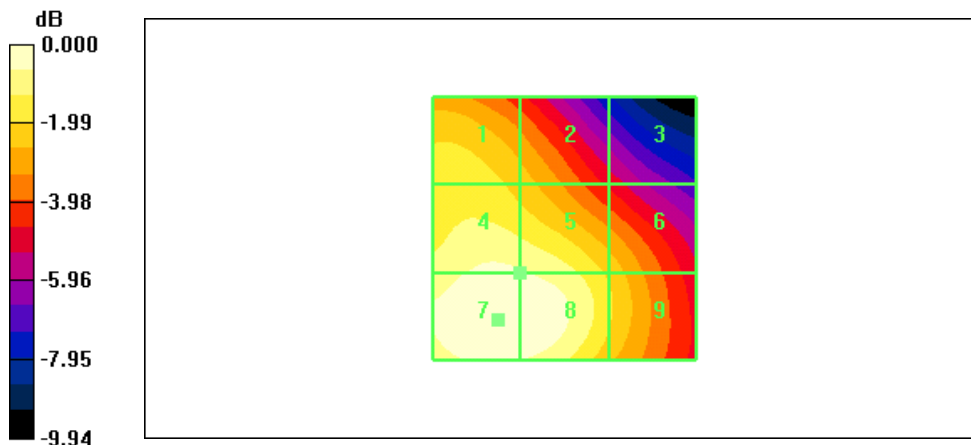
Grid 1	Grid 2	Grid 3
0.050 M4	0.046 M4	0.035 M4
Grid 4	Grid 5	Grid 6
0.057 M4	0.056 M4	0.047 M4
Grid 7	Grid 8	Grid 9
0.060 M4	0.060 M4	0.048 M4

Cursor:

Total = 0.060 A/m

H Category: M4

Location: 12.5, 17.5, 369.4 mm



0 dB = 0.060A/m

Test Laboratory: HCT CO., LTD.

Ambient Temperature / Channel 21.4 °C /9400

Test Date Nov.23, 2009

DUT: P2000; Type: Folder; Serial: #1

Communication System: WCDMA1900; 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: 2009-05-22
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn869; Calibrated: 2009-09-18
- Phantom: HAC Test Arch; Type: SD HAC P01 BA

H Scan - H3DV6 - 2007: 15 mm from Probe Center to the Device/Hearing Aid Compatibility Test (101x101x1):

Measurement grid: dx=5mm, dy=5mm

Maximum value of peak Total field = 0.057 A/m

Probe Modulation Factor = 0.814

Device Reference Point: 0.000, 0.000, 353.7 mm

Reference Value = 0.053 A/m; Power Drift = 0.006 dB

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

Peak H-field in A/m

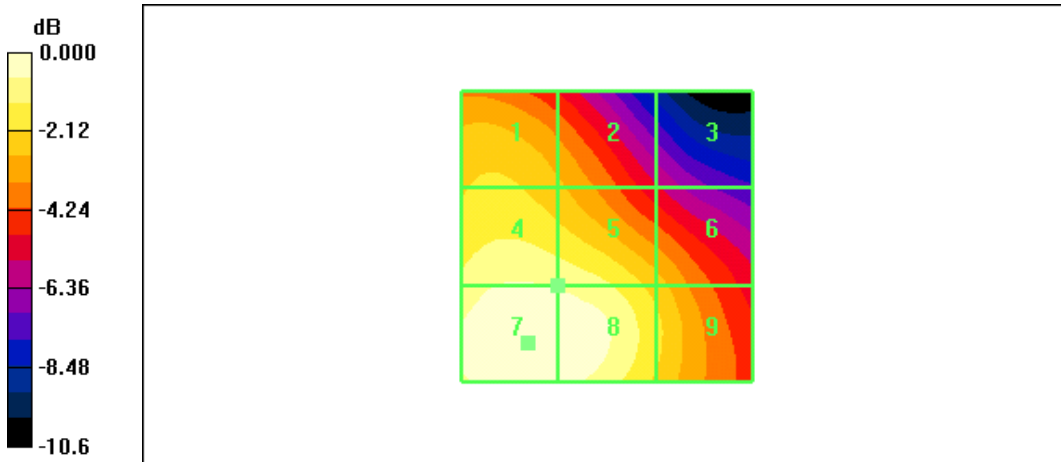
Grid 1	Grid 2	Grid 3
0.045 M4	0.042 M4	0.030 M4
Grid 4	Grid 5	Grid 6
0.053 M4	0.052 M4	0.043 M4
Grid 7	Grid 8	Grid 9
0.057 M4	0.056 M4	0.046 M4

Cursor:

Total = 0.057 A/m

H Category: M4

Location: 13.5, 18.5, 369.4 mm



Test Laboratory: HCT CO., LTD.

Ambient Temperature / Channel 21.4 °C /9538

Test Date Nov.23, 2009

DUT: P2000; Type: Folder; Serial: #1

Communication System: WCDMA1900; Frequency: 1907.6 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: 2009-05-22
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn869; Calibrated: 2009-09-18
- Phantom: HAC Test Arch; Type: SD HAC P01 BA

H Scan - H3DV6 - 2007: 15 mm from Probe Center to the Device/Hearing Aid Compatibility Test (101x101x1):

Measurement grid: dx=5mm, dy=5mm

Maximum value of peak Total field = 0.065 A/m

Probe Modulation Factor = 0.814

Device Reference Point: 0.000, 0.000, 353.7 mm

Reference Value = 0.059 A/m; Power Drift = 0.081 dB

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

Peak H-field in A/m

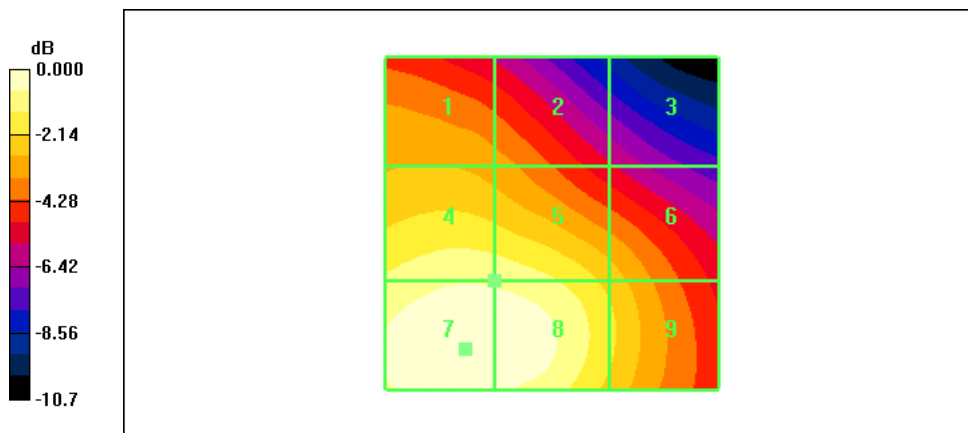
Grid 1	Grid 2	Grid 3
0.047 M4	0.045 M4	0.035 M4
Grid 4	Grid 5	Grid 6
0.059 M4	0.059 M4	0.049 M4
Grid 7	Grid 8	Grid 9
0.065 M4	0.065 M4	0.052 M4

Cursor:

Total = 0.065 A/m

H Category: M4

Location: 13, 19, 369.4 mm



0 dB = 0.065A/m