

APPENDIX A. HAC TEST PLOTS

Test Laboratory: HCT CO., LTD.

Ambient Temperature / Channel 21.4 °C /128

Test Date Oct.20, 2009

DUT: P7040; Type: Bar; 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: DAE3 Sn466; Calibrated: 2009-07-21
- 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 = 161.6 V/m

Probe Modulation Factor = 2.72

Device Reference Point: 0.000, 0.000, 353.7 mm

Reference Value = 79.1 V/m; Power Drift = -0.010 dB

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

Peak E-field in V/m

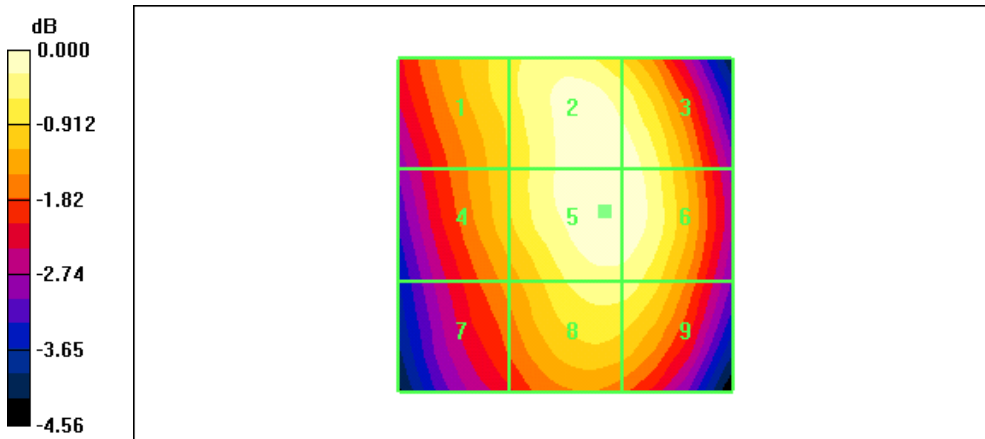
Grid 1	Grid 2	Grid 3
149.1 M4	161.0 M3	160.1 M3
Grid 4	Grid 5	Grid 6
145.7 M4	161.6 M3	161.1 M3
Grid 7	Grid 8	Grid 9
137.9 M4	153.9 M3	153.7 M3

Cursor:

Total = 161.6 V/m

E Category: M3

Location: -6, -2, 369.9 mm



0 dB = 161.6V/m

Test Laboratory: HCT CO., LTD.

Ambient Temperature / Channel 21.4 °C /190

Test Date Oct.20, 2009

DUT: P7040; Type: Bar; 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: DAE3 Sn466; Calibrated: 2009-07-21
- 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 = 238.8 V/m

Probe Modulation Factor = 2.72

Device Reference Point: 0.000, 0.000, 353.7 mm

Reference Value = 116.2 V/m; Power Drift = -0.001 dB

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

Peak E-field in V/m

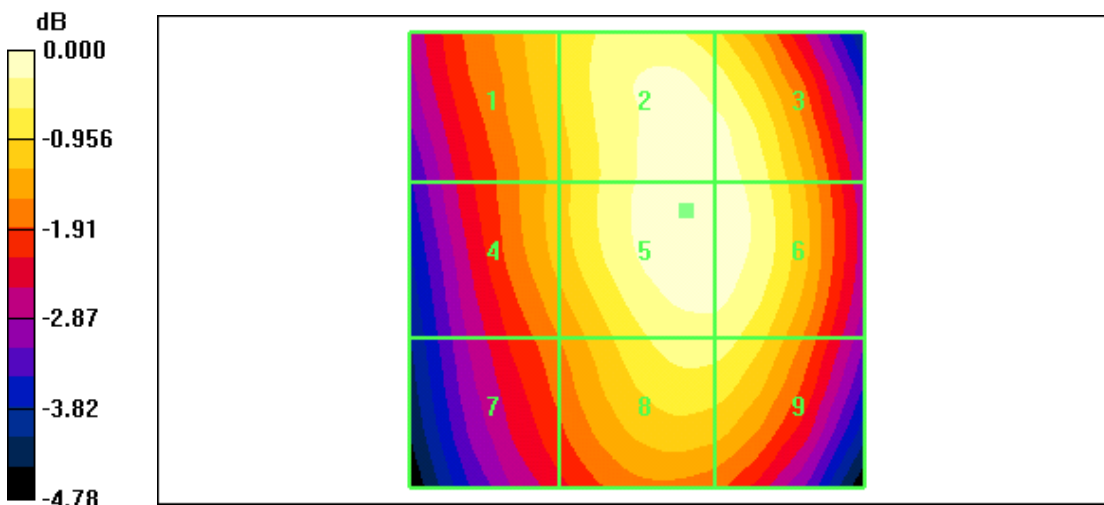
Grid 1	Grid 2	Grid 3
214.9 M3	237.8 M3	236.2 M3
Grid 4	Grid 5	Grid 6
211.1 M3	238.8 M3	237.4 M3
Grid 7	Grid 8	Grid 9
199.0 M3	226.8 M3	226.3 M3

Cursor:

Total = 238.8 V/m

E Category: M3

Location: -5.5, -5.5, 369.9 mm



0 dB = 238.8V/m

Test Laboratory: HCT CO., LTD.

Ambient Temperature / Channel 21.4 °C /251

Test Date Oct.20, 2009

DUT: P7040; Type: Bar; 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: DAE3 Sn466; Calibrated: 2009-07-21
- 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 = 206.5 V/m

Probe Modulation Factor = 2.72

Device Reference Point: 0.000, 0.000, 353.7 mm

Reference Value = 101.4 V/m; Power Drift = 0.018 dB

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

Peak E-field in V/m

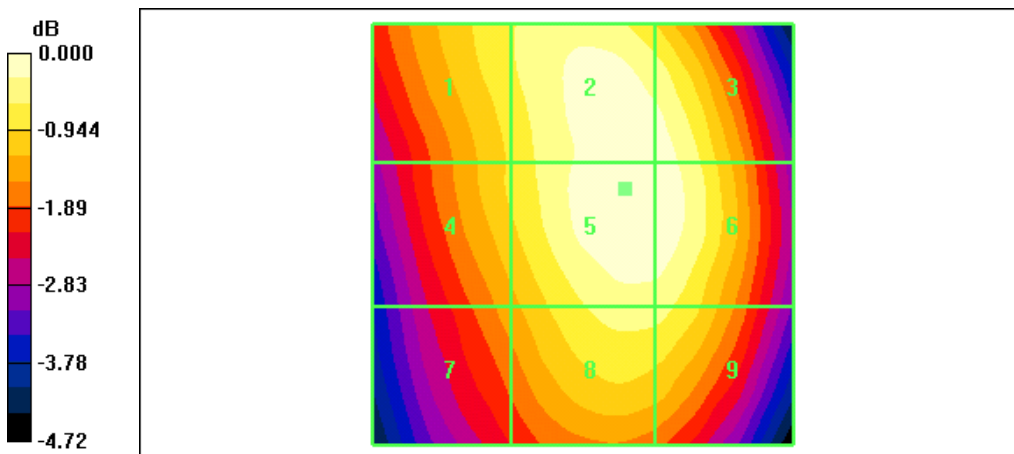
Grid 1	Grid 2	Grid 3
191.6 M3	205.4 M3	204.2 M3
Grid 4	Grid 5	Grid 6
186.8 M3	206.5 M3	205.4 M3
Grid 7	Grid 8	Grid 9
176.5 M3	195.6 M3	195.1 M3

Cursor:

Total = 206.5 V/m

E Category: M3

Location: -5, -5.5, 369.9 mm



0 dB = 206.5V/m

Test Laboratory: HCT CO., LTD.

Ambient Temperature / Channel 21.4 °C /512

Test Date Oct.20, 2009

DUT: P7040; Type: Bar; 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: DAE3 Sn466; Calibrated: 2009-07-21
- 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 = 76.5 V/m
 Probe Modulation Factor = 2.67
 Device Reference Point: 0.000, 0.000, 353.7 mm
 Reference Value = 27.4 V/m; Power Drift = -0.002 dB
Hearing Aid Near-Field Category: M3 (AWF -5 dB)

Peak E-field in V/m

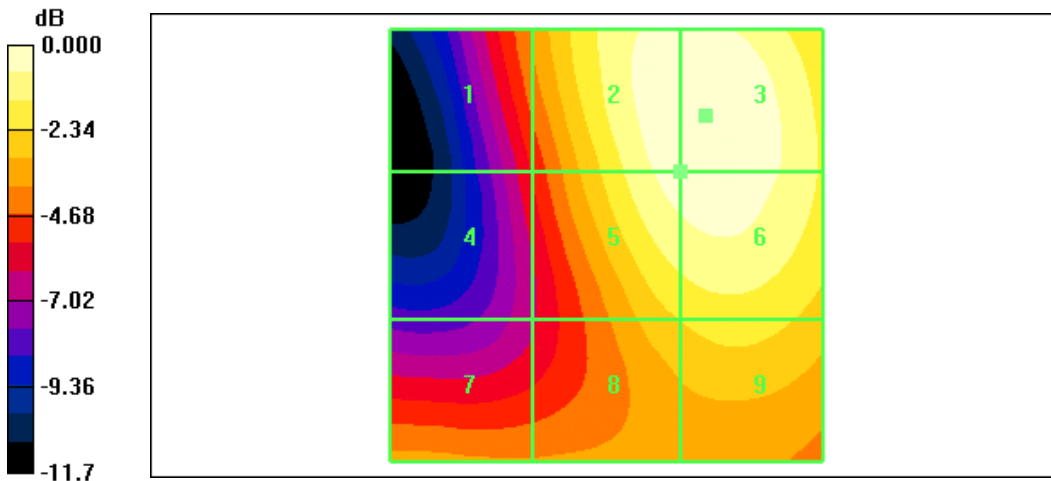
Grid 1	Grid 2	Grid 3
49.7 M3	75.7 M3	76.5 M3
Grid 4	Grid 5	Grid 6
41.5 M4	73.3 M3	74.8 M3
Grid 7	Grid 8	Grid 9
50.7 M3	58.7 M3	61.3 M3

Cursor:

Total = 76.5 V/m

E Category: M3

Location: -11.5, -15, 369.9 mm



0 dB = 76.5V/m

Test Laboratory: HCT CO., LTD.

Ambient Temperature / Channel 21.4 °C /661

Test Date Oct.20, 2009

DUT: P7040; Type: Bar; 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: DAE3 Sn466; Calibrated: 2009-07-21
- 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 = 78.6 V/m

Probe Modulation Factor = 2.67

Device Reference Point: 0.000, 0.000, 353.7 mm

Reference Value = 29.2 V/m; Power Drift = 0.014 dB

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

Peak E-field in V/m

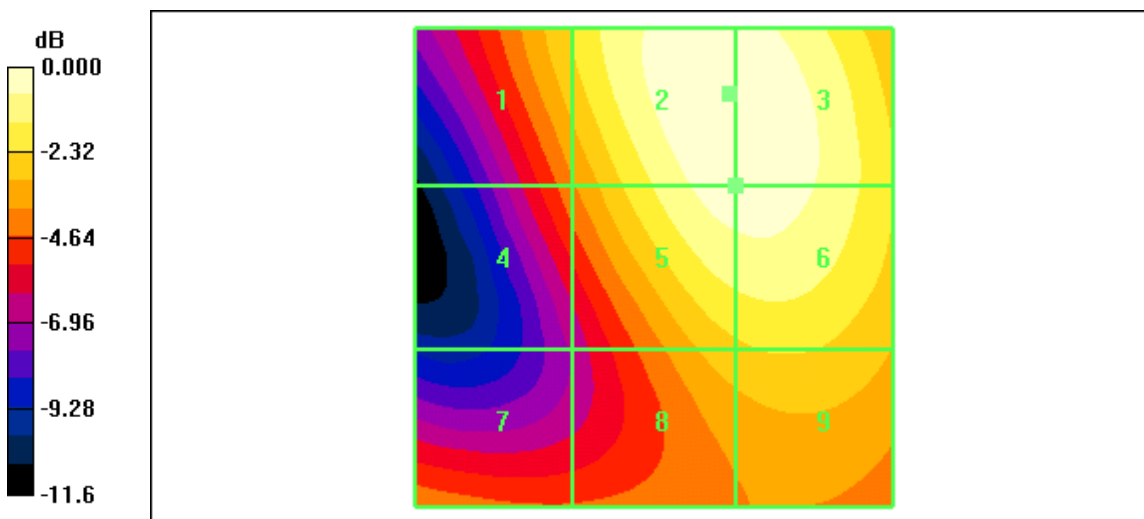
Grid 1	Grid 2	Grid 3
60.8 M3	78.6 M3	78.6 M3
Grid 4	Grid 5	Grid 6
49.7 M3	75.6 M3	75.8 M3
Grid 7	Grid 8	Grid 9
49.8 M3	58.9 M3	60.7 M3

Cursor:

Total = 78.6 V/m

E Category: M3

Location: -8, -18, 369.9 mm



0 dB = 78.6V/m

Test Laboratory: HCT CO., LTD.

Ambient Temperature / Channel 21.4 °C /810

Test Date Oct.20, 2009

DUT: P7040; Type: Bar; 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: DAE3 Sn466; Calibrated: 2009-07-21
- 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 = 81.7 V/m

Probe Modulation Factor = 2.67

Device Reference Point: 0.000, 0.000, 353.7 mm

Reference Value = 28.1 V/m; Power Drift = 0.066 dB

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

Peak E-field in V/m

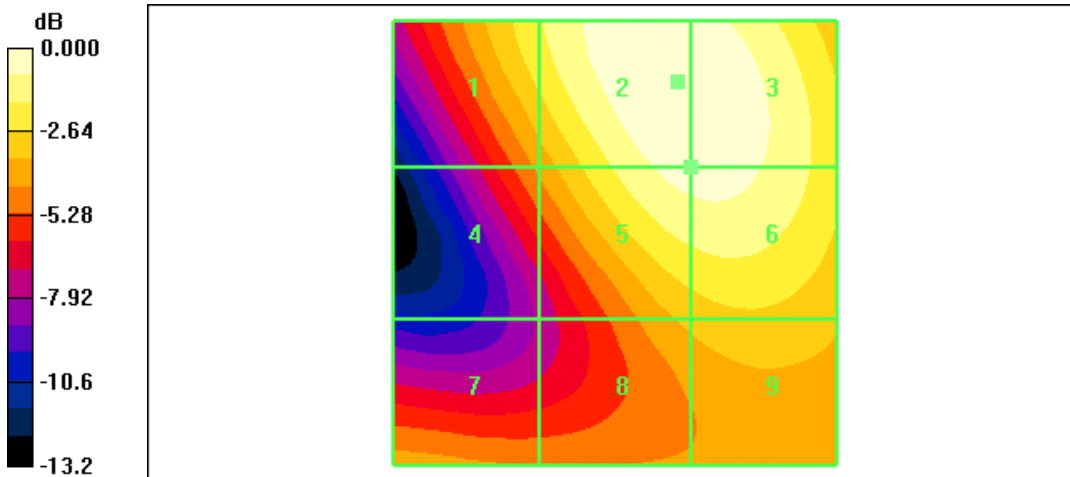
Grid 1	Grid 2	Grid 3
66.2 M3	81.7 M3	81.5 M3
Grid 4	Grid 5	Grid 6
50.8 M3	76.9 M3	77.1 M3
Grid 7	Grid 8	Grid 9
52.1 M3	56.3 M3	59.3 M3

Cursor:

Total = 81.7 V/m

E Category: M3

Location: -7, -18, 369.9 mm



0 dB = 81.7V/m

Test Laboratory: HCT CO., LTD.

Ambient Temperature / Channel 21.4 °C /128

Test Date Oct.20, 2009

DUT: P7040; Type: Bar; 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: DAE3 Sn466; Calibrated: 2009-07-21
- 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 = 0.229 A/m

Probe Modulation Factor = 1.87

Device Reference Point: 0.000, 0.000, 353.7 mm

Reference Value = 0.072 A/m; Power Drift = 0.031 dB

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

Peak H-field in A/m

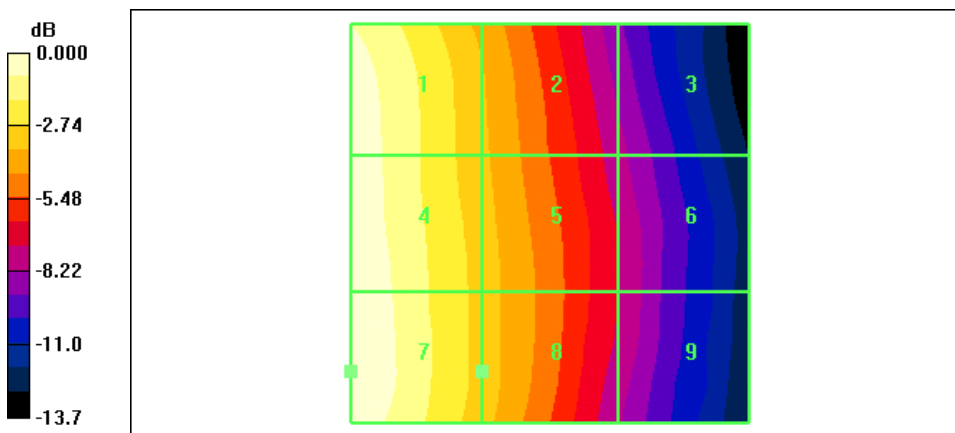
Grid 1	Grid 2	Grid 3
0.222 M4	0.154 M4	0.093 M4
Grid 4	Grid 5	Grid 6
0.228 M4	0.160 M4	0.100 M4
Grid 7	Grid 8	Grid 9
0.229 M4	0.160 M4	0.099 M4

Cursor:

Total = 0.229 A/m

H Category: M4

Location: 25, 18.5, 369.4 mm



0 dB = 0.229A/m

Test Laboratory: HCT CO., LTD.

Ambient Temperature / Channel 21.4 °C /190

Test Date Oct.20, 2009

DUT: P7040; Type: Bar; 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: DAE3 Sn466; Calibrated: 2009-07-21
- 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 = 0.344 A/m

Probe Modulation Factor = 1.87

Device Reference Point: 0.000, 0.000, 353.7 mm

Reference Value = 0.103 A/m; Power Drift = -0.043 dB

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

Peak H-field in A/m

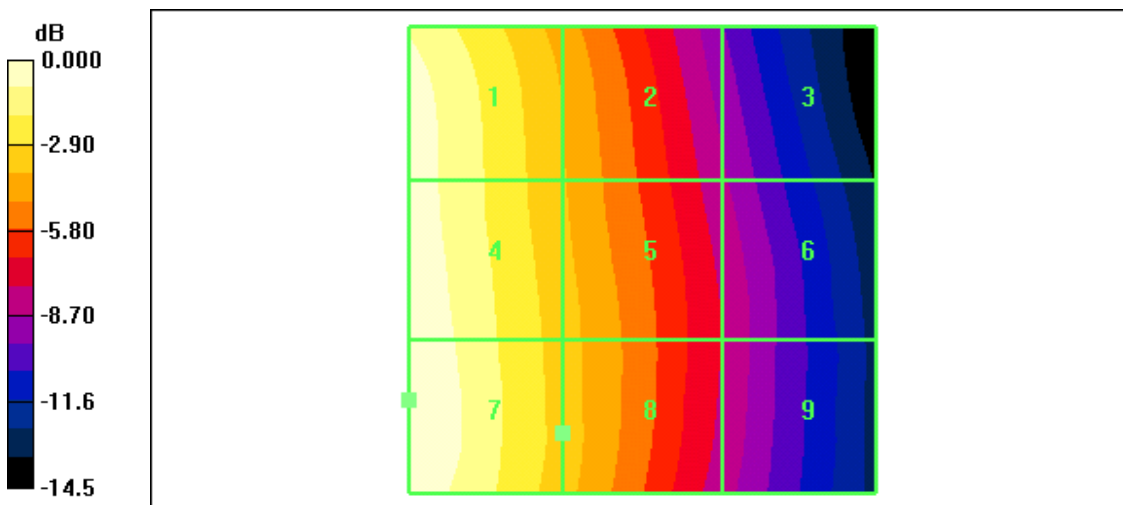
Grid 1	Grid 2	Grid 3
0.330 M4	0.223 M4	0.130 M4
Grid 4	Grid 5	Grid 6
0.340 M4	0.233 M4	0.141 M4
Grid 7	Grid 8	Grid 9
0.344 M4	0.235 M4	0.141 M4

Cursor:

Total = 0.344 A/m

H Category: M4

Location: 25, 15, 369.4 mm



0 dB = 0.344A/m

Test Laboratory: HCT CO., LTD.

Ambient Temperature / Channel 21.4 °C /251

Test Date Oct.20, 2009

DUT: P7040; Type: Bar; 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: DAE3 Sn466; Calibrated: 2009-07-21
- 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 = 0.299 A/m

Probe Modulation Factor = 1.87

Device Reference Point: 0.000, 0.000, 353.7 mm

Reference Value = 0.087 A/m; Power Drift = 0.040 dB

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

Peak H-field in A/m

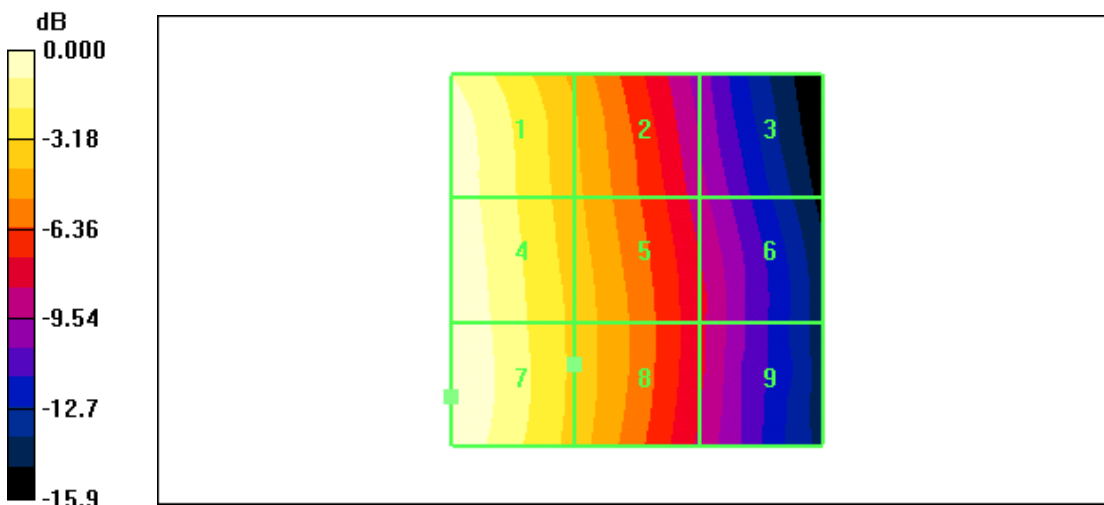
Grid 1	Grid 2	Grid 3
0.286 M4	0.191 M4	0.105 M4
Grid 4	Grid 5	Grid 6
0.296 M4	0.201 M4	0.117 M4
Grid 7	Grid 8	Grid 9
0.299 M4	0.201 M4	0.117 M4

Cursor:

Total = 0.299 A/m

H Category: M4

Location: 25, 18.5, 369.4 mm



0 dB = 0.299A/m

Test Laboratory: HCT CO., LTD.

Ambient Temperature / Channel 21.4 °C /512

Test Date Oct.20, 2009

DUT: P7040; Type: Bar; 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: DAE3 Sn466; Calibrated: 2009-07-21
- 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 = 0.158 A/m

Probe Modulation Factor = 2.22

Device Reference Point: 0.000, 0.000, 353.7 mm

Reference Value = 0.071 A/m; Power Drift = 0.013 dB

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

Peak H-field in A/m

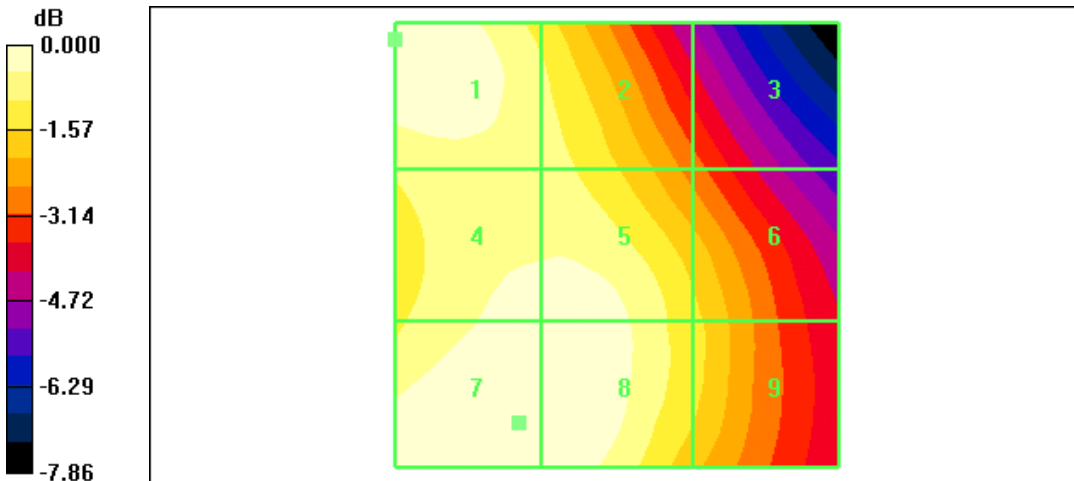
Grid 1	Grid 2	Grid 3
0.156 M3	0.144 M3	0.114 M4
Grid 4	Grid 5	Grid 6
0.154 M3	0.154 M3	0.135 M4
Grid 7	Grid 8	Grid 9
0.158 M3	0.158 M3	0.135 M4

Cursor:

Total = 0.158 A/m

H Category: M3

Location: 11, 20, 369.4 mm



0 dB = 0.158A/m

Test Laboratory: HCT CO., LTD.

Ambient Temperature / Channel 21.4 °C /661

Test Date Oct.20, 2009

DUT: P7040; Type: Bar; 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: DAE3 Sn466; Calibrated: 2009-07-21
- 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 = 0.173 A/m

Probe Modulation Factor = 2.22

Device Reference Point: 0.000, 0.000, 353.7 mm

Reference Value = 0.074 A/m; Power Drift = -0.006 dB

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

Peak H-field in A/m

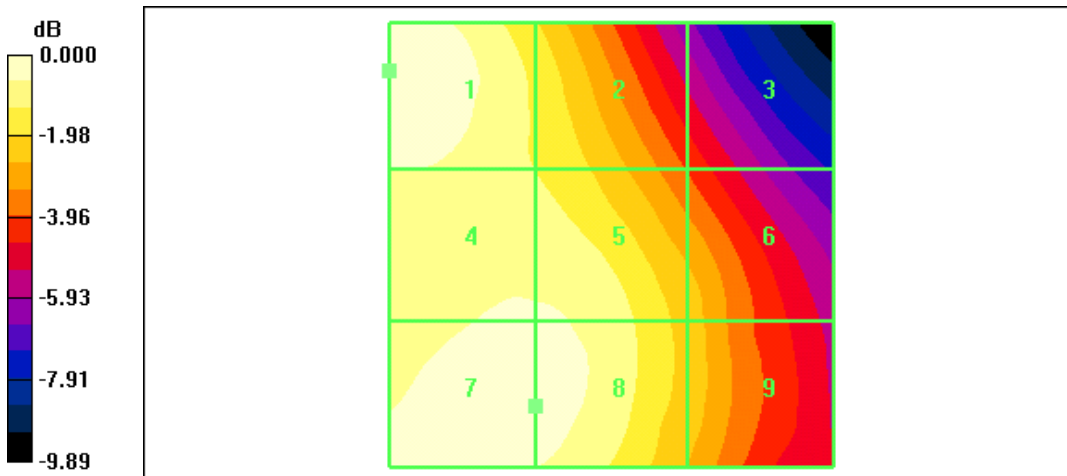
Grid 1	Grid 2	Grid 3
0.173 M3	0.149 M3	0.109 M4
Grid 4	Grid 5	Grid 6
0.162 M3	0.162 M3	0.133 M4
Grid 7	Grid 8	Grid 9
0.167 M3	0.165 M3	0.134 M4

Cursor:

Total = 0.173 A/m

H Category: M3

Location: 25, -19.5, 369.4 mm



0 dB = 0.173A/m

Test Laboratory: HCT CO., LTD.

Ambient Temperature / Channel 21.4 °C /810

Test Date Oct.20, 2009

DUT: P7040; Type: Bar; 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: DAE3 Sn466; Calibrated: 2009-07-21
- 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 = 0.168 A/m

Probe Modulation Factor = 2.22

Device Reference Point: 0.000, 0.000, 353.7 mm

Reference Value = 0.079 A/m; Power Drift = -0.018 dB

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

Peak H-field in A/m

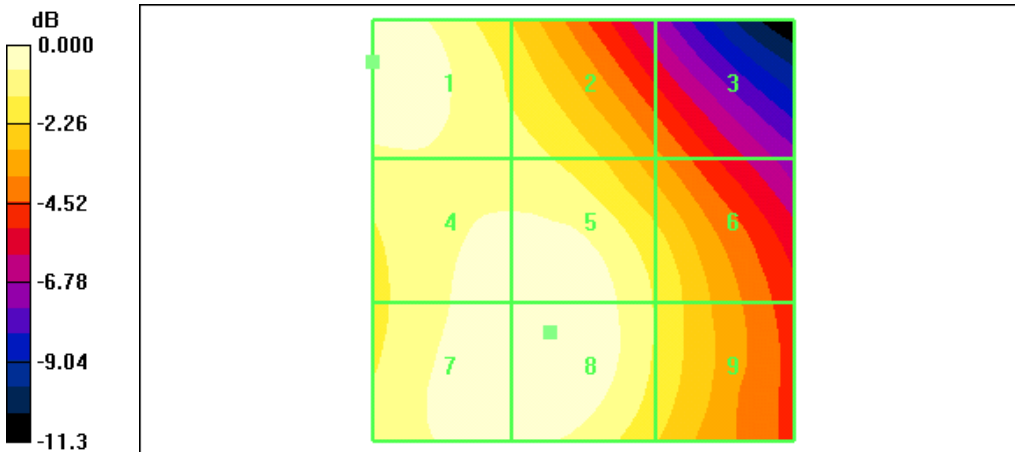
Grid 1	Grid 2	Grid 3
0.167 M3	0.147 M3	0.112 M4
Grid 4	Grid 5	Grid 6
0.164 M3	0.167 M3	0.140 M3
Grid 7	Grid 8	Grid 9
0.166 M3	0.168 M3	0.141 M3

Cursor:

Total = 0.168 A/m

H Category: M3

Location: 4, 12, 369.4 mm



0 dB = 0.168A/m

Test Laboratory: HCT CO., LTD.

Ambient Temperature / Channel 21.4 °C /4132

Test Date Oct.20, 2009

DUT: P7040; Type: Bar; Serial: #1

Communication System: WCDMA850; Frequency: 826.4 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: DAE3 Sn466; Calibrated: 2009-07-21
- 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 = 48.5 V/m
 Probe Modulation Factor = 0.837
 Device Reference Point: 0.000, 0.000, 353.7 mm
 Reference Value = 76.0 V/m; Power Drift = 0.052 dB
Hearing Aid Near-Field Category: M4 (AWF 0 dB)

Peak E-field in V/m

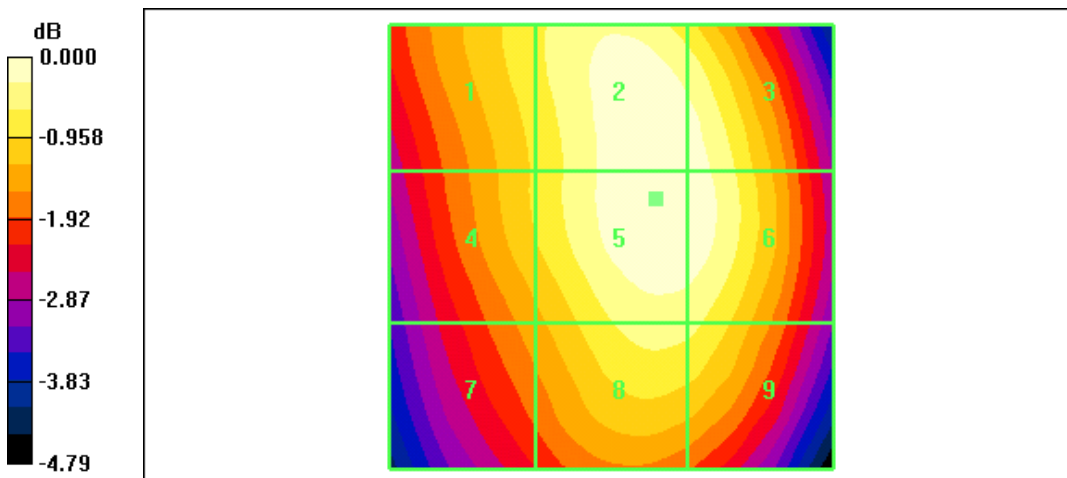
Grid 1	Grid 2	Grid 3
44.7 M4	48.3 M4	47.9 M4
Grid 4	Grid 5	Grid 6
43.8 M4	48.5 M4	48.2 M4
Grid 7	Grid 8	Grid 9
41.4 M4	45.9 M4	45.6 M4

Cursor:

Total = 48.5 V/m

E Category: M4

Location: -5, -5.5, 369.9 mm



0 dB = 48.5V/m

Test Laboratory: HCT CO., LTD.

Ambient Temperature / Channel 21.4 °C /4183

Test Date Oct.20, 2009

DUT: P7040; Type: Bar; 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: DAE3 Sn466; Calibrated: 2009-07-21
- 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 = 61.1 V/m

Probe Modulation Factor = 0.837

Device Reference Point: 0.000, 0.000, 353.7 mm

Reference Value = 95.6 V/m; Power Drift = -0.012 dB

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

Peak E-field in V/m

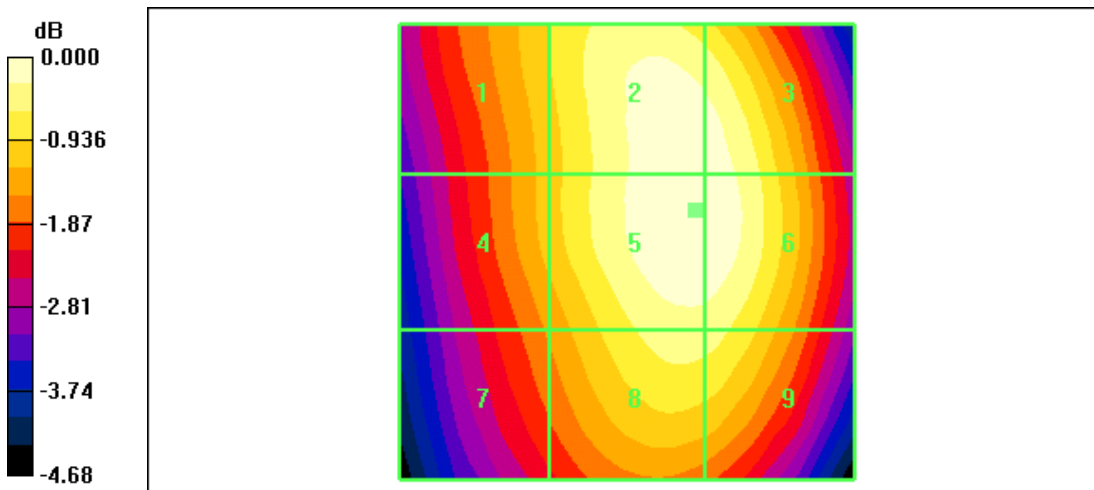
Grid 1	Grid 2	Grid 3
54.8 M4	60.8 M4	60.6 M4
Grid 4	Grid 5	Grid 6
54.1 M4	61.1 M4	61.0 M4
Grid 7	Grid 8	Grid 9
51.5 M4	58.1 M4	58.0 M4

Cursor:

Total = 61.1 V/m

E Category: M4

Location: -7.5, -4.5, 369.9 mm



0 dB = 61.1V/m

Test Laboratory: HCT CO., LTD.

Ambient Temperature / Channel 21.4 °C /4233

Test Date Oct.20, 2009

DUT: P7040; Type: Bar; 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: DAE3 Sn466; Calibrated: 2009-07-21
- 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 = 55.8 V/m

Probe Modulation Factor = 0.837

Device Reference Point: 0.000, 0.000, 353.7 mm

Reference Value = 87.3 V/m; Power Drift = 0.055 dB

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

Peak E-field in V/m

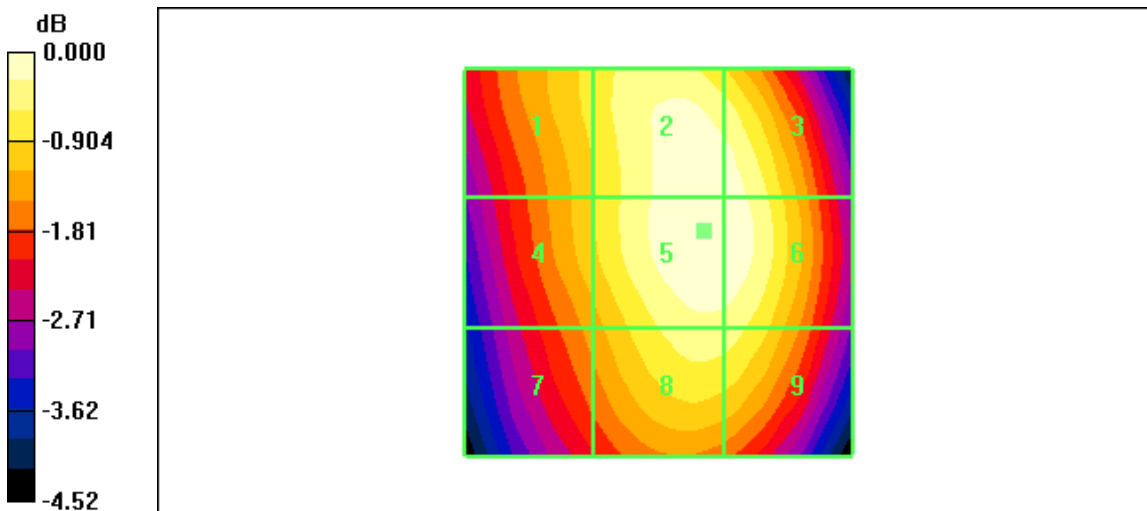
Grid 1	Grid 2	Grid 3
51.0 M4	55.6 M4	55.2 M4
Grid 4	Grid 5	Grid 6
50.2 M4	55.8 M4	55.7 M4
Grid 7	Grid 8	Grid 9
47.8 M4	53.3 M4	53.1 M4

Cursor:

Total = 55.8 V/m

E Category: M4

Location: -6, -4, 369.9 mm



0 dB = 55.8V/m

Test Laboratory: HCT CO., LTD.

Ambient Temperature / Channel 21.4 °C /9262

Test Date Oct.20, 2009

DUT: P7040; Type: Bar; 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: DAE3 Sn466; Calibrated: 2009-07-21
- 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 = 35.9 V/m

Probe Modulation Factor = 0.855

Device Reference Point: 0.000, 0.000, 353.7 mm

Reference Value = 38.1 V/m; Power Drift = 0.223 dB

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

Peak E-field in V/m

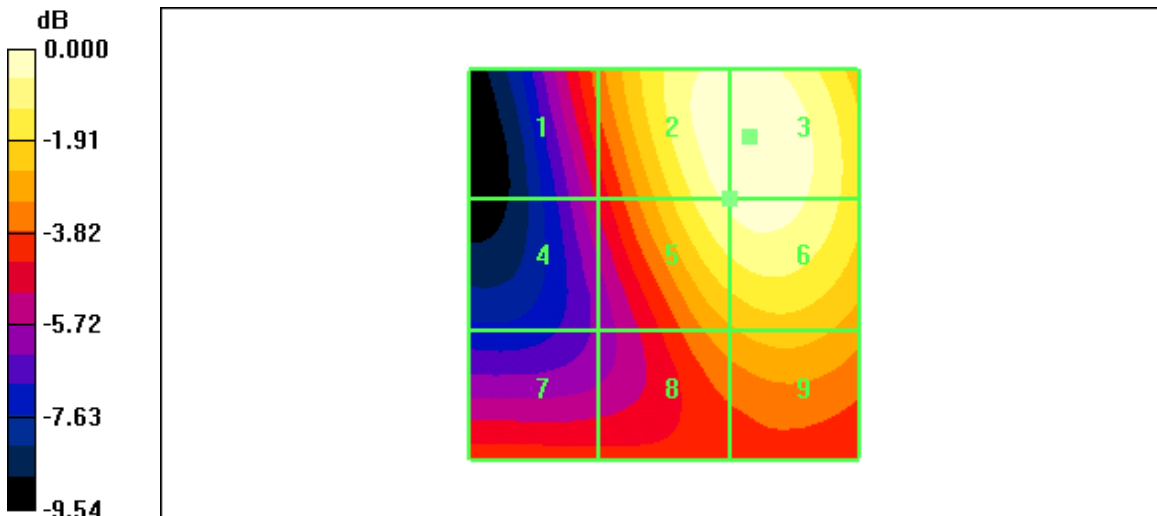
Grid 1	Grid 2	Grid 3
24.1 M4	35.6 M4	35.9 M4
Grid 4	Grid 5	Grid 6
20.3 M4	34.0 M4	34.8 M4
Grid 7	Grid 8	Grid 9
22.6 M4	26.5 M4	27.8 M4

Cursor:

Total = 35.9 V/m

E Category: M4

Location: -11, -16.5, 369.9 mm



0 dB = 35.9V/m

Test Laboratory: HCT CO., LTD.

Ambient Temperature / Channel 21.4 °C /9400

Test Date Oct.20, 2009

DUT: P7040; Type: Bar; 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: DAE3 Sn466; Calibrated: 2009-07-21
- 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 = 38.4 V/m

Probe Modulation Factor = 0.855

Device Reference Point: 0.000, 0.000, 353.7 mm

Reference Value = 42.6 V/m; Power Drift = 0.133 dB

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

Peak E-field in V/m

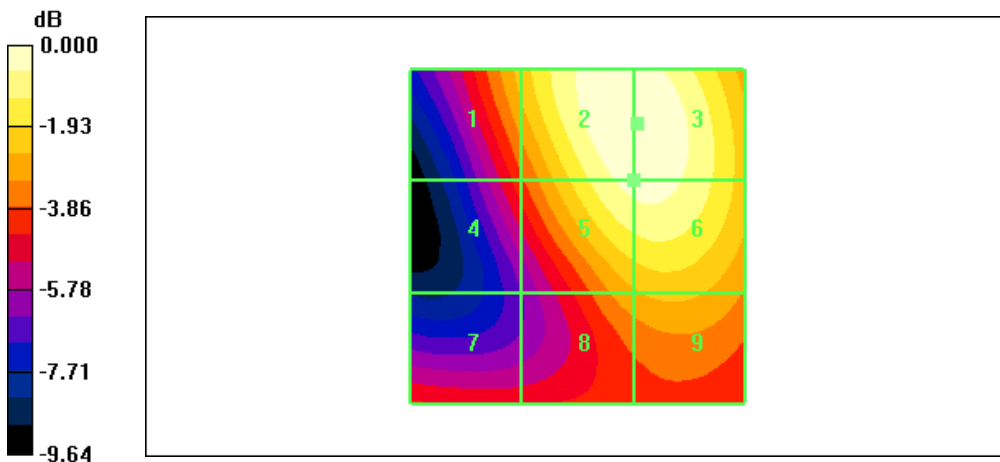
Grid 1	Grid 2	Grid 3
29.5 M4	38.4 M4	38.4 M4
Grid 4	Grid 5	Grid 6
24.2 M4	36.7 M4	36.9 M4
Grid 7	Grid 8	Grid 9
23.2 M4	28.2 M4	29.2 M4

Cursor:

Total = 38.4 V/m

E Category: M4

Location: -9, -17, 369.9 mm



0 dB = 38.4V/m

Test Laboratory: HCT CO., LTD.

Ambient Temperature / Channel 21.4 °C /9538

Test Date Oct.20, 2009

DUT: P7040; Type: Bar; 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: DAE3 Sn466; Calibrated: 2009-07-21
- 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 = 40.0 V/m
 Probe Modulation Factor = 0.855
 Device Reference Point: 0.000, 0.000, 353.7 mm
 Reference Value = 42.6 V/m; Power Drift = -0.090 dB
Hearing Aid Near-Field Category: M4 (AWF 0 dB)

Peak E-field in V/m

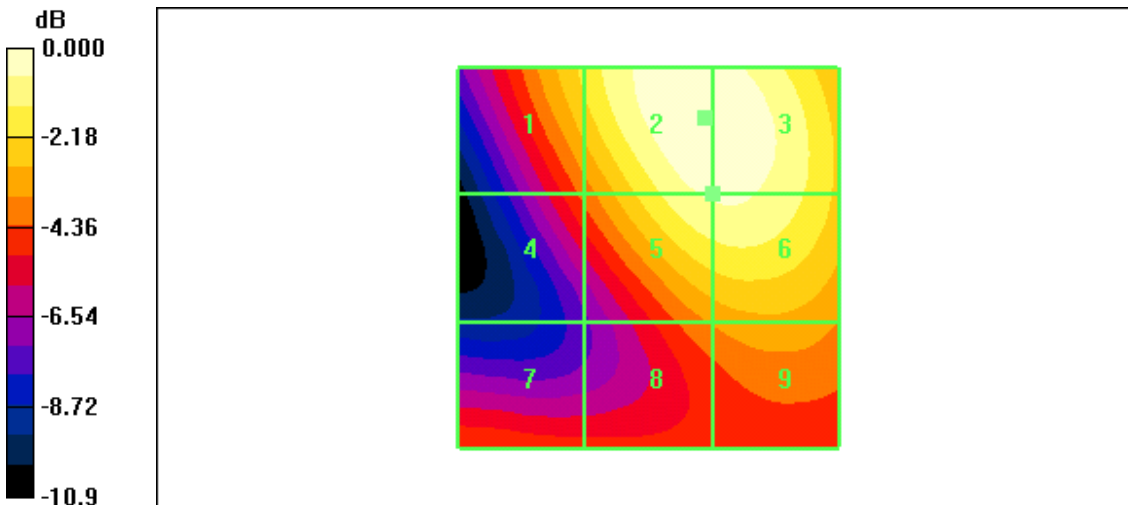
Grid 1	Grid 2	Grid 3
31.9 M4	40.0 M4	40.0 M4
Grid 4	Grid 5	Grid 6
25.1 M4	37.3 M4	37.4 M4
Grid 7	Grid 8	Grid 9
24.3 M4	26.6 M4	28.1 M4

Cursor:

Total = 40.0 V/m

E Category: M4

Location: -7.5, -18.5, 369.9 mm



0 dB = 40.0V/m

Test Laboratory: HCT CO., LTD.

Ambient Temperature / Channel 21.4 °C /4132

Test Date Oct.20, 2009

DUT: P7040; Type: Bar; 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

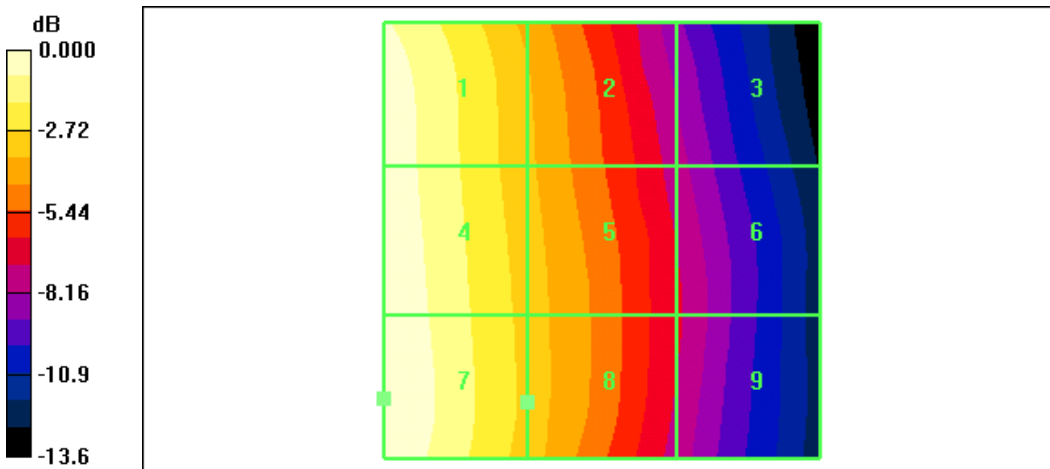
- DASY4 Configuration:
- Probe: H3DV6 - SN6101; ; Calibrated: 2009-05-22
 - Sensor-Surface: (Fix Surface)
 - Electronics: DAE3 Sn466; Calibrated: 2009-07-21
 - Phantom: HAC Test Arch; Type: SD HAC P01 BA

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 = 0.098 A/m
 Probe Modulation Factor = 0.825
 Device Reference Point: 0.000, 0.000, 353.7 mm
 Reference Value = 0.070 A/m; Power Drift = 0.067 dB
Hearing Aid Near-Field Category: M4 (AWF 0 dB)

Peak H-field in A/m

Grid 1	Grid 2	Grid 3
0.095 M4	0.066 M4	0.040 M4
Grid 4	Grid 5	Grid 6
0.097 M4	0.069 M4	0.044 M4
Grid 7	Grid 8	Grid 9
0.098 M4	0.069 M4	0.044 M4

Cursor:
 Total = 0.098 A/m
 H Category: M4
 Location: 25, 18, 369.4 mm



0 dB = 0.098A/m

Test Laboratory: HCT CO., LTD.

Ambient Temperature / Channel 21.4 °C /4183

Test Date Oct.20, 2009

DUT: P7040; Type: Bar; 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: DAE3 Sn466; Calibrated: 2009-07-21
- 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 = 0.123 A/m

Probe Modulation Factor = 0.825

Device Reference Point: 0.000, 0.000, 353.7 mm

Reference Value = 0.087 A/m; Power Drift = -0.031 dB

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

Peak H-field in A/m

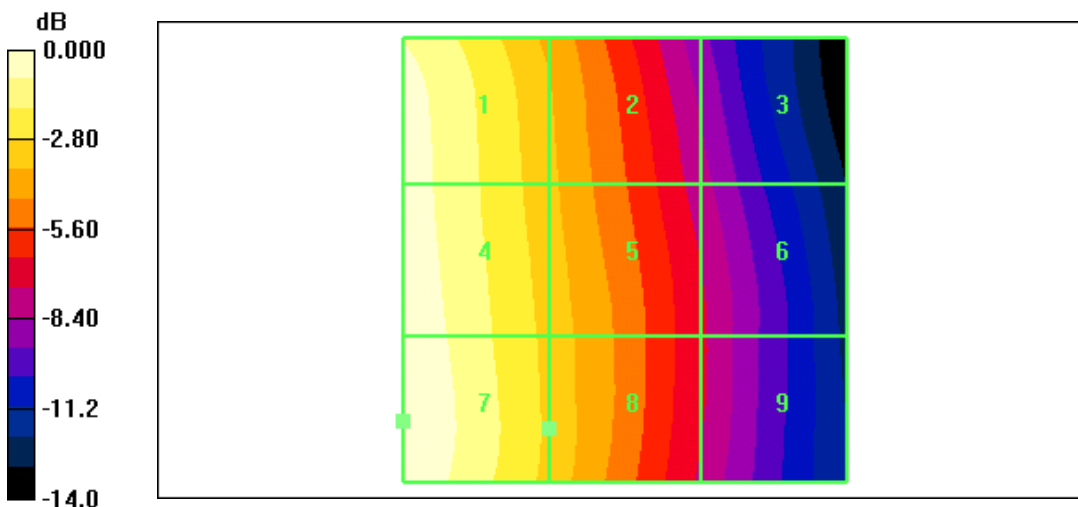
Grid 1	Grid 2	Grid 3
0.117 M4	0.083 M4	0.049 M4
Grid 4	Grid 5	Grid 6
0.121 M4	0.086 M4	0.053 M4
Grid 7	Grid 8	Grid 9
0.123 M4	0.087 M4	0.054 M4

Cursor:

Total = 0.123 A/m

H Category: M4

Location: 25, 18, 369.4 mm



0 dB = 0.123A/m

Test Laboratory: HCT CO., LTD.

Ambient Temperature / Channel 21.4 °C /4233

Test Date Oct.20, 2009

DUT: P7040; Type: Bar; 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: DAE3 Sn466; Calibrated: 2009-07-21
- 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):

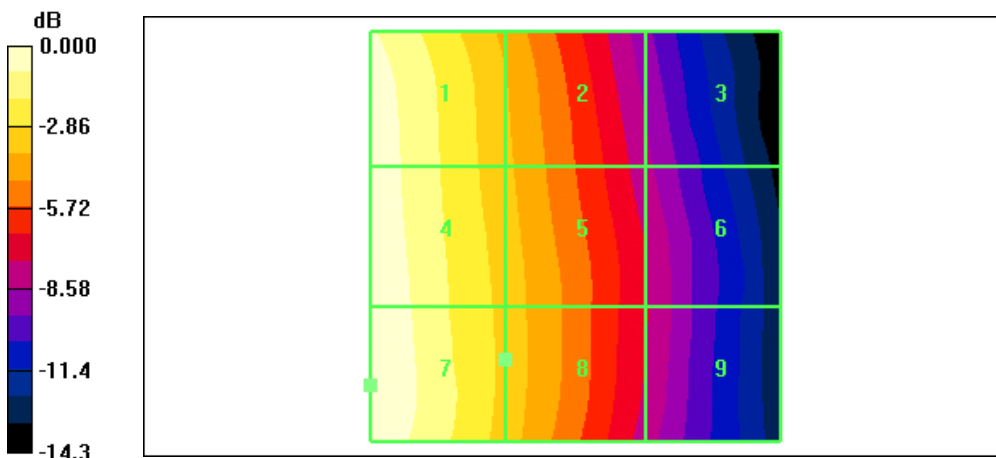
Measurement grid: dx=5mm, dy=5mm
 Maximum value of peak Total field = 0.111 A/m
 Probe Modulation Factor = 0.825
 Device Reference Point: 0.000, 0.000, 353.7 mm
 Reference Value = 0.077 A/m; Power Drift = 0.072 dB
Hearing Aid Near-Field Category: M4 (AWF 0 dB)

Peak H-field in A/m

Grid 1	Grid 2	Grid 3
0.107 M4	0.074 M4	0.043 M4
Grid 4	Grid 5	Grid 6
0.110 M4	0.077 M4	0.047 M4
Grid 7	Grid 8	Grid 9
0.111 M4	0.077 M4	0.047 M4

Cursor:

Total = 0.111 A/m
 H Category: M4
 Location: 25, 18, 369.4 mm



0 dB = 0.111A/m

Test Laboratory: HCT CO., LTD.

Ambient Temperature / Channel 21.4 °C /9262

Test Date Oct.20, 2009

DUT: P7040; Type: Bar; 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: DAE3 Sn466; Calibrated: 2009-07-21
- 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 = 0.086 A/m

Probe Modulation Factor = 0.814

Device Reference Point: 0.000, 0.000, 353.7 mm

Reference Value = 0.103 A/m; Power Drift = 0.144 dB

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

Peak H-field in A/m

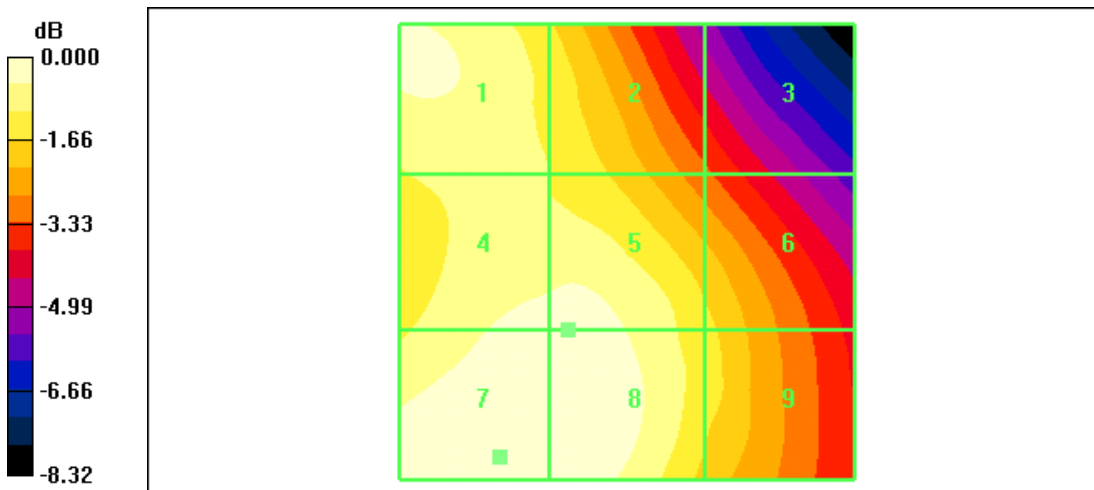
Grid 1	Grid 2	Grid 3
0.082 M4	0.076 M4	0.060 M4
Grid 4	Grid 5	Grid 6
0.082 M4	0.083 M4	0.073 M4
Grid 7	Grid 8	Grid 9
0.086 M4	0.086 M4	0.074 M4

Cursor:

Total = 0.086 A/m

H Category: M4

Location: 14, 22.5, 369.4 mm



0 dB = 0.086A/m

Test Laboratory: HCT CO., LTD.

Ambient Temperature / Channel 21.4 °C /9400

Test Date Oct.20, 2009

DUT: P7040; Type: Bar; 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: DAE3 Sn466; Calibrated: 2009-07-21
- 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 = 0.095 A/m

Probe Modulation Factor = 0.814

Device Reference Point: 0.000, 0.000, 353.7 mm

Reference Value = 0.112 A/m; Power Drift = -0.019 dB

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

Peak H-field in A/m

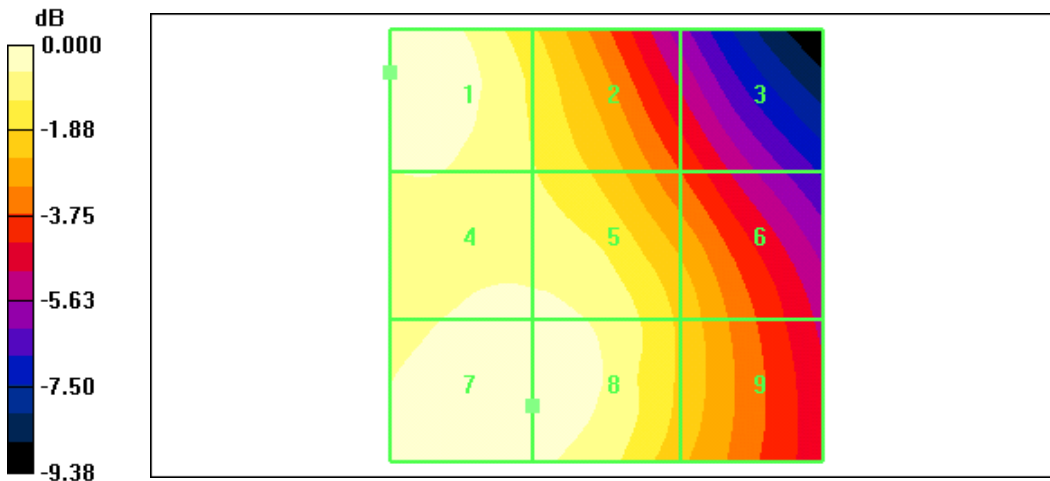
Grid 1	Grid 2	Grid 3
0.095 M4	0.083 M4	0.062 M4
Grid 4	Grid 5	Grid 6
0.090 M4	0.090 M4	0.075 M4
Grid 7	Grid 8	Grid 9
0.094 M4	0.093 M4	0.076 M4

Cursor:

Total = 0.095 A/m

H Category: M4

Location: 25, -20, 369.4 mm



0 dB = 0.095A/m

Test Laboratory: HCT CO., LTD.

Ambient Temperature / Channel 21.4 °C /9538

Test Date Oct.20, 2009

DUT: P7040; Type: Bar; 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: DAE3 Sn466; Calibrated: 2009-07-21
- 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 = 0.094 A/m

Probe Modulation Factor = 0.814

Device Reference Point: 0.000, 0.000, 353.7 mm

Reference Value = 0.117 A/m; Power Drift = -0.101 dB

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

Peak H-field in A/m

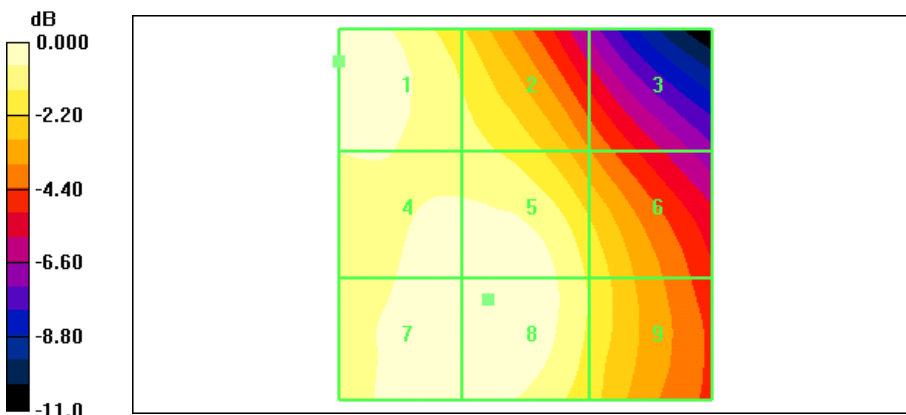
Grid 1	Grid 2	Grid 3
0.094 M4	0.083 M4	0.062 M4
Grid 4	Grid 5	Grid 6
0.092 M4	0.093 M4	0.078 M4
Grid 7	Grid 8	Grid 9
0.093 M4	0.094 M4	0.079 M4

Cursor:

Total = 0.094 A/m

H Category: M4

Location: 5, 11.5, 369.4 mm



0 dB = 0.094A/m