

APPENDIX A. HAC TEST PLOTS

Test Laboratory: HCT CO., LTD.

Ambient Temperature / Channel 21.5°C /128

Test Date Mar. 6, 2012

DUT: P6030; 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 Dipole Section ; Measurement SW: DASY4, V4.7 Build 71; Postprocessing SW: SEMCAD, V1.8 Build 184

DASY4 Configuration:

- Probe: ER3DV6 - SN2343; ConvF(1, 1, 1); Calibrated: 2011-05-16

- Sensor-Surface: (Fix Surface)

- Electronics: DAE3 Sn466; Calibrated: 2012-02-21

- 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 = 110.2 V/m

Probe Modulation Factor = 2.67

Device Reference Point: 0.000, 0.000, 354.7 mm

Reference Value = 53.3 V/m; Power Drift = -0.006 dB

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

Peak E-field in V/m

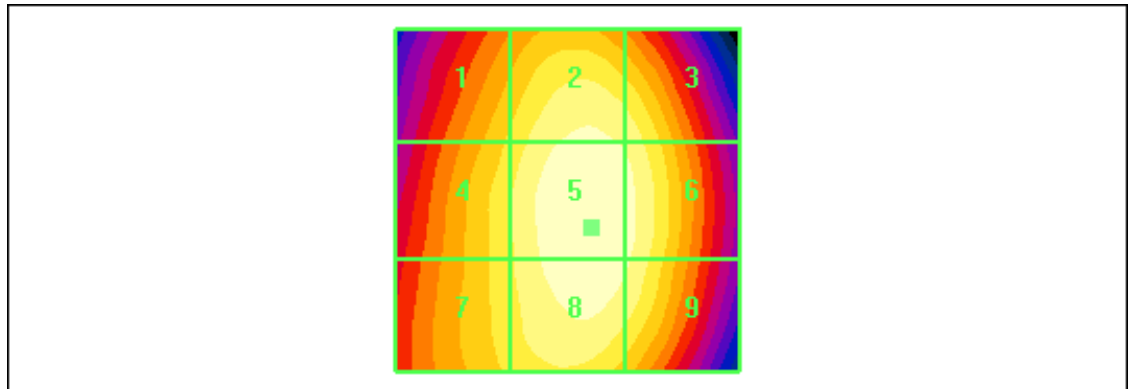
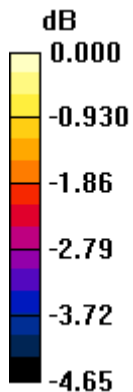
Grid 1	Grid 2	Grid 3
99.7 M4	107.6 M4	105.6 M4
Grid 4	Grid 5	Grid 6
102.4 M4	110.2 M4	108.0 M4
Grid 7	Grid 8	Grid 9
102.0 M4	109.5 M4	107.0 M4

Cursor:

Total = 110.2 V/m

E Category: M4

Location: -3.5, 4, 370.9 mm



0 dB = 110.2V/m

Test Laboratory: HCT CO., LTD.
 Ambient Temperature / Channel 21.5°C /190
 Test Date Mar. 6, 2012

DUT: P6030; 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 Dipole Section ; Measurement SW: DASY4, V4.7 Build 71; Postprocessing SW: SEMCAD, V1.8 Build 184

DASY4 Configuration:

- Probe: ER3DV6 - SN2343; ConvF(1, 1, 1); Calibrated: 2011-05-16
- Sensor-Surface: (Fix Surface)
- Electronics: DAE3 Sn466; Calibrated: 2012-02-21
- 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):

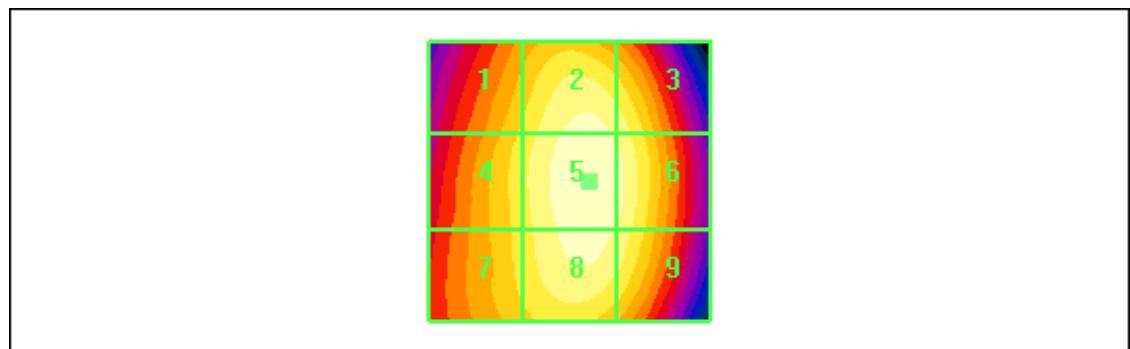
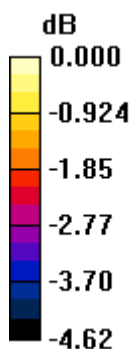
Measurement grid: dx=5mm, dy=5mm
 Maximum value of peak Total field = 131.5 V/m
 Probe Modulation Factor = 2.67
 Device Reference Point: 0.000, 0.000, 354.7 mm
 Reference Value = 63.4 V/m; Power Drift = 0.018 dB
Hearing Aid Near-Field Category: M4 (AWF -5 dB)

Peak E-field in V/m

Grid 1	Grid 2	Grid 3
119.2 M4	129.1 M4	126.1 M4
Grid 4	Grid 5	Grid 6
121.3 M4	131.5 M4	128.1 M4
Grid 7	Grid 8	Grid 9
120.3 M4	129.5 M4	126.1 M4

Cursor:

Total = 131.5 V/m
 E Category: M4
 Location: -3.5, 0, 370.9 mm



0 dB = 131.5V/m

Test Laboratory: HCT CO., LTD.

Ambient Temperature / Channel 21.5°C /251

Test Date Mar. 6, 2012

DUT: P6030; 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 Dipole Section ; Measurement SW: DASY4, V4.7 Build 71; Postprocessing SW: SEMCAD, V1.8 Build 184

DASY4 Configuration:

- Probe: ER3DV6 - SN2343; ConvF(1, 1, 1); Calibrated: 2011-05-16

- Sensor-Surface: (Fix Surface)

- Electronics: DAE3 Sn466; Calibrated: 2012-02-21

- 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 = 110.6 V/m

Probe Modulation Factor = 2.67

Device Reference Point: 0.000, 0.000, 354.7 mm

Reference Value = 53.9 V/m; Power Drift = 0.007 dB

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

Peak E-field in V/m

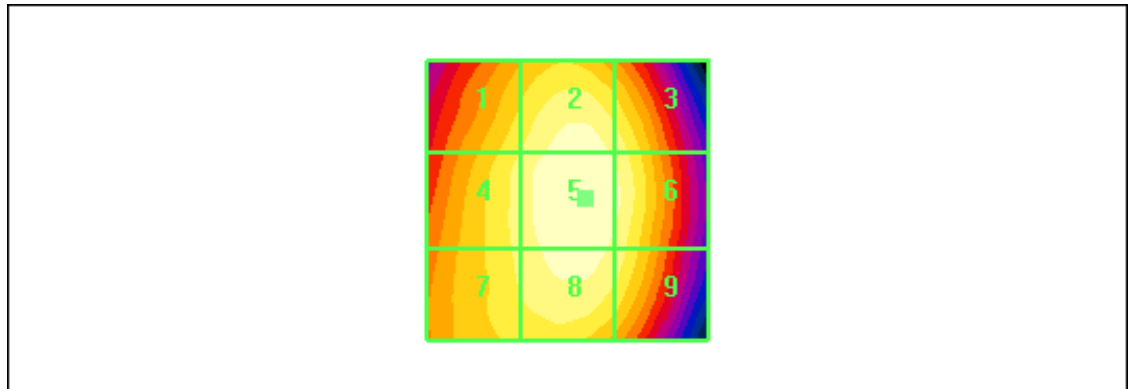
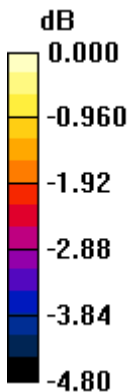
Grid 1	Grid 2	Grid 3
102.8 M4	109.1 M4	105.7 M4
Grid 4	Grid 5	Grid 6
104.6 M4	110.6 M4	107.8 M4
Grid 7	Grid 8	Grid 9
103.9 M4	109.0 M4	105.5 M4

Cursor:

Total = 110.6 V/m

E Category: M4

Location: -3, -0.5, 370.9 mm



0 dB = 110.6V/m

Test Laboratory: HCT CO., LTD.

Ambient Temperature / Channel 21.5°C /512

Test Date Mar. 6, 2012

DUT: P6030; 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 Dipole Section ; Measurement SW: DASY4, V4.7 Build 71; Postprocessing SW: SEMCAD, V1.8 Build 184

DASY4 Configuration:

- Probe: ER3DV6 - SN2343; ConvF(1, 1, 1); Calibrated: 2011-05-16

- Sensor-Surface: (Fix Surface)

- Electronics: DAE3 Sn466; Calibrated: 2012-02-21

- 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 = 57.3 V/m

Probe Modulation Factor = 2.49

Device Reference Point: 0.000, 0.000, 354.7 mm

Reference Value = 11.9 V/m; Power Drift = -0.103 dB

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

Peak E-field in V/m

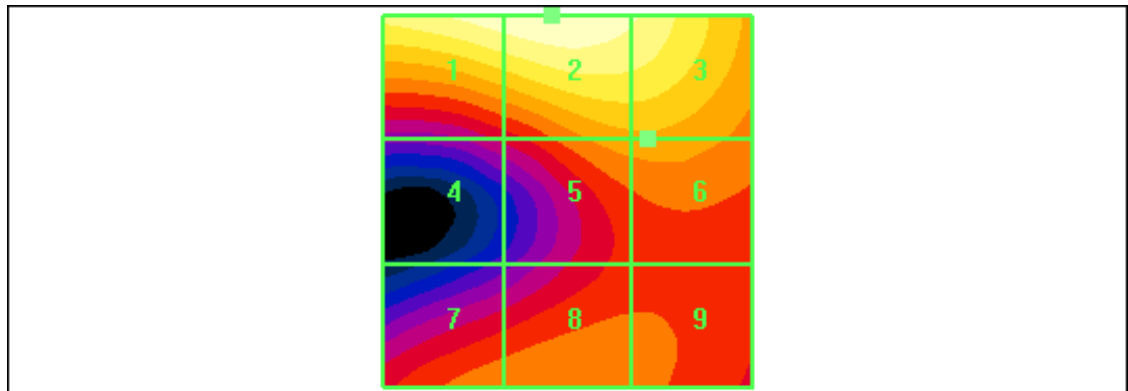
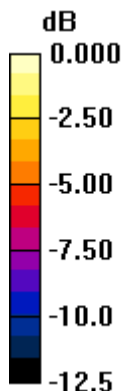
Grid 1	Grid 2	Grid 3
55.6 M3	57.3 M3	52.9 M3
Grid 4	Grid 5	Grid 6
27.7 M4	37.9 M4	38.2 M4
Grid 7	Grid 8	Grid 9
34.9 M4	35.5 M4	34.1 M4

Cursor:

Total = 57.3 V/m

E Category: M3

Location: 2, -25, 370.9 mm



0 dB = 57.3V/m

Test Laboratory: HCT CO., LTD.

Ambient Temperature / Channel 21.5°C /661

Test Date Mar. 6, 2012

DUT: P6030; 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 Dipole Section ; Measurement SW: DASY4, V4.7 Build 71; Postprocessing SW: SEMCAD, V1.8 Build 184

DASY4 Configuration:

- Probe: ER3DV6 - SN2343; ConvF(1, 1, 1); Calibrated: 2011-05-16
- Sensor-Surface: (Fix Surface)
- Electronics: DAE3 Sn466; Calibrated: 2012-02-21
- 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 = 72.6 V/m

Probe Modulation Factor = 2.49

Device Reference Point: 0.000, 0.000, 354.7 mm

Reference Value = 18.7 V/m; Power Drift = 0.010 dB

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

Peak E-field in V/m

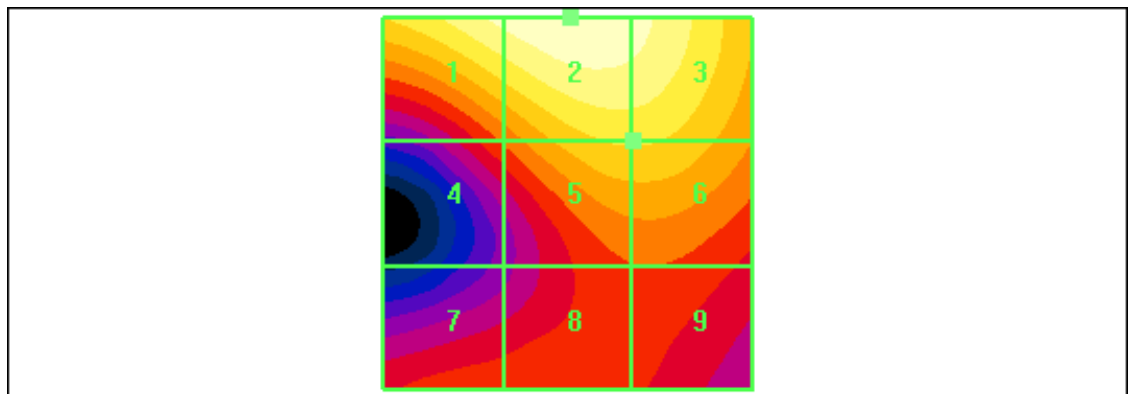
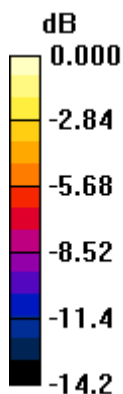
Grid 1	Grid 2	Grid 3
67.7 M3	72.6 M3	68.4 M3
Grid 4	Grid 5	Grid 6
38.9 M4	53.4 M3	53.4 M3
Grid 7	Grid 8	Grid 9
36.7 M4	37.6 M4	37.8 M4

Cursor:

Total = 72.6 V/m

E Category: M3

Location: -0.5, -25, 370.9 mm



Test Laboratory: HCT CO., LTD.

Ambient Temperature / Channel 21.5°C /810

Test Date Mar. 6, 2012

DUT: P6030; 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 Dipole Section ; Measurement SW: DASY4, V4.7 Build 71; Postprocessing SW: SEMCAD, V1.8 Build 184

DASY4 Configuration:

- Probe: ER3DV6 - SN2343; ConvF(1, 1, 1); Calibrated: 2011-05-16

- Sensor-Surface: (Fix Surface)

- Electronics: DAE3 Sn466; Calibrated: 2012-02-21

- 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 = 65.1 V/m

Probe Modulation Factor = 2.49

Device Reference Point: 0.000, 0.000, 354.7 mm

Reference Value = 17.1 V/m; Power Drift = -0.023 dB

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

Peak E-field in V/m

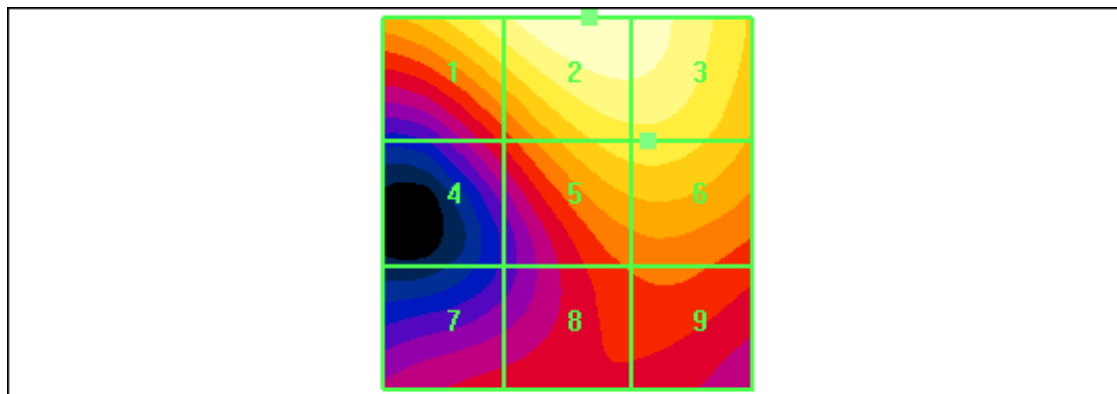
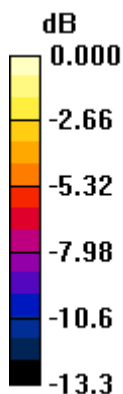
Grid 1	Grid 2	Grid 3
57.8 M3	65.1 M3	63.6 M3
Grid 4	Grid 5	Grid 6
33.3 M4	50.8 M3	51.1 M3
Grid 7	Grid 8	Grid 9
30.4 M4	35.8 M4	36.7 M4

Cursor:

Total = 65.1 V/m

E Category: M3

Location: -3, -25, 370.9 mm



0 dB = 65.1V/m

Test Laboratory: HCT CO., LTD.

Ambient Temperature / Channel 21.5°C /128

Test Date Mar. 6, 2012

DUT: P6030; 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: E Dipole Section ; Measurement SW: DASY4, V4.7 Build 71; Postprocessing SW: SEMCAD, V1.8 Build 184

DASY4 Configuration:

- Probe: H3DV6 - SN6101; ; Calibrated: 2011-05-18

- Sensor-Surface: (Fix Surface)

- Electronics: DAE3 Sn466; Calibrated: 2012-02-21

- 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 = 0.167 A/m

Probe Modulation Factor = 2.00

Device Reference Point: 0.000, 0.000, 354.7 mm

Reference Value = 0.057 A/m; Power Drift = -0.005 dB

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

Peak H-field in A/m

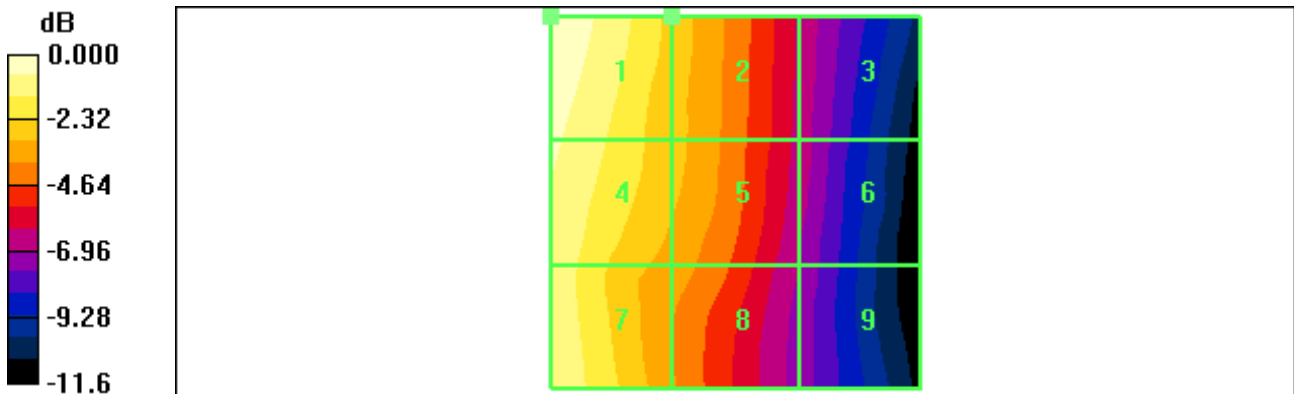
Grid 1	Grid 2	Grid 3
0.167 M4	0.124 M4	0.081 M4
Grid 4	Grid 5	Grid 6
0.156 M4	0.120 M4	0.080 M4
Grid 7	Grid 8	Grid 9
0.153 M4	0.112 M4	0.075 M4

Cursor:

Total = 0.167 A/m

H Category: M4

Location: 25, -25, 370.9 mm



Test Laboratory: HCT CO., LTD.

Ambient Temperature / Channel 21.5°C /190

Test Date Mar. 6, 2012

DUT: P6030; 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: E Dipole Section ; Measurement SW: DASY4, V4.7 Build 71; Postprocessing SW: SEMCAD, V1.8 Build 184

DASY4 Configuration:

- Probe: H3DV6 - SN6101; ; Calibrated: 2011-05-18

- Sensor-Surface: (Fix Surface)

- Electronics: DAE3 Sn466; Calibrated: 2012-02-21

- 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 = 0.185 A/m

Probe Modulation Factor = 2.00

Device Reference Point: 0.000, 0.000, 354.7 mm

Reference Value = 0.064 A/m; Power Drift = -0.038 dB

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

Peak H-field in A/m

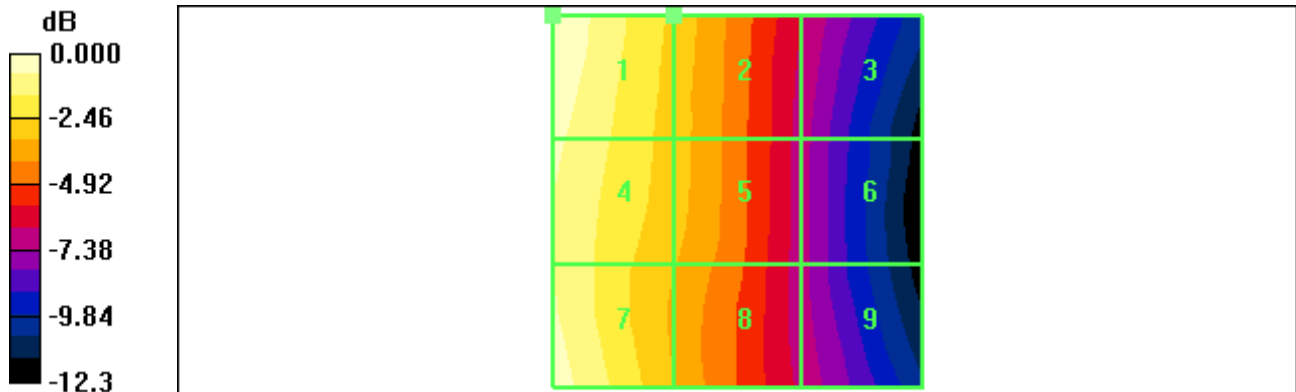
Grid 1	Grid 2	Grid 3
0.185 M4	0.136 M4	0.088 M4
Grid 4	Grid 5	Grid 6
0.173 M4	0.133 M4	0.084 M4
Grid 7	Grid 8	Grid 9
0.177 M4	0.127 M4	0.086 M4

Cursor:

Total = 0.185 A/m

H Category: M4

Location: 25, -25, 370.9 mm



Test Laboratory: HCT CO., LTD.

Ambient Temperature / Channel 21.5°C /251

Test Date Mar. 6, 2012

DUT: P6030; 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: E Dipole Section ; Measurement SW: DASY4, V4.7 Build 71; Postprocessing SW: SEMCAD, V1.8 Build 184

DASY4 Configuration:

- Probe: H3DV6 - SN6101; ; Calibrated: 2011-05-18

- Sensor-Surface: (Fix Surface)

- Electronics: DAE3 Sn466; Calibrated: 2012-02-21

- 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 = 0.163 A/m

Probe Modulation Factor = 2.00

Device Reference Point: 0.000, 0.000, 354.7 mm

Reference Value = 0.059 A/m; Power Drift = 0.127 dB

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

Peak H-field in A/m

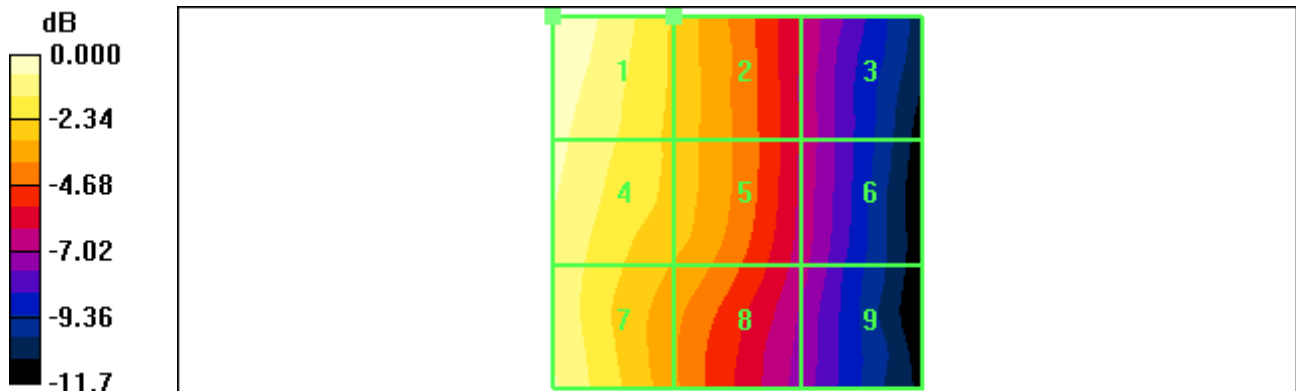
Grid 1	Grid 2	Grid 3
0.163 M4	0.123 M4	0.079 M4
Grid 4	Grid 5	Grid 6
0.154 M4	0.121 M4	0.079 M4
Grid 7	Grid 8	Grid 9
0.151 M4	0.113 M4	0.076 M4

Cursor:

Total = 0.163 A/m

H Category: M4

Location: 25, -25, 370.9 mm



0 dB = 0.163A/m

Test Laboratory: HCT CO., LTD.

Ambient Temperature / Channel 21.5°C /512

Test Date Mar. 6, 2012

DUT: P6030; 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: E Dipole Section ; Measurement SW: DASY4, V4.7 Build 71; Postprocessing SW: SEMCAD, V1.8 Build 184

DASY4 Configuration:

- Probe: H3DV6 - SN6101; ; Calibrated: 2011-05-18
- Sensor-Surface: (Fix Surface)
- Electronics: DAE3 Sn466; Calibrated: 2012-02-21
- 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 = 0.181 A/m

Probe Modulation Factor = 2.27

Device Reference Point: 0.000, 0.000, 354.7 mm

Reference Value = 0.069 A/m; Power Drift = -0.006 dB

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

Peak H-field in A/m

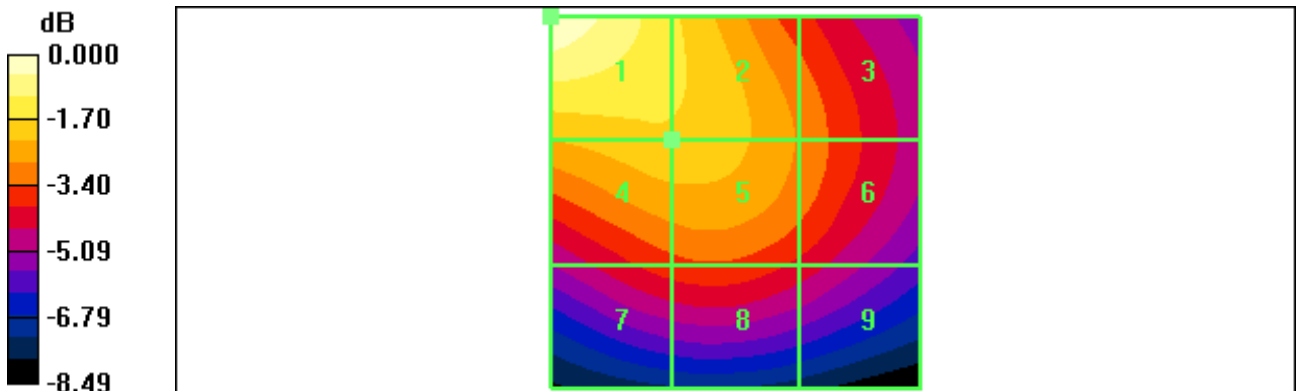
Grid 1	Grid 2	Grid 3
0.181 M3	0.152 M3	0.130 M4
Grid 4	Grid 5	Grid 6
0.147 M3	0.147 M3	0.130 M4
Grid 7	Grid 8	Grid 9
0.120 M4	0.122 M4	0.113 M4

Cursor:

Total = 0.181 A/m

H Category: M3

Location: 25, -25, 370.9 mm



0 dB = 0.181A/m

Test Laboratory: HCT CO., LTD.

Ambient Temperature / Channel 21.5°C /661

Test Date Mar. 6, 2012

DUT: P6030; 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: E Dipole Section ; Measurement SW: DASY4, V4.7 Build 71; Postprocessing SW: SEMCAD, V1.8 Build 184

DASY4 Configuration:

- Probe: H3DV6 - SN6101; ; Calibrated: 2011-05-18

- Sensor-Surface: (Fix Surface)

- Electronics: DAE3 Sn466; Calibrated: 2012-02-21

- 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 = 0.223 A/m

Probe Modulation Factor = 2.27

Device Reference Point: 0.000, 0.000, 354.7 mm

Reference Value = 0.077 A/m; Power Drift = 0.004 dB

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

Peak H-field in A/m

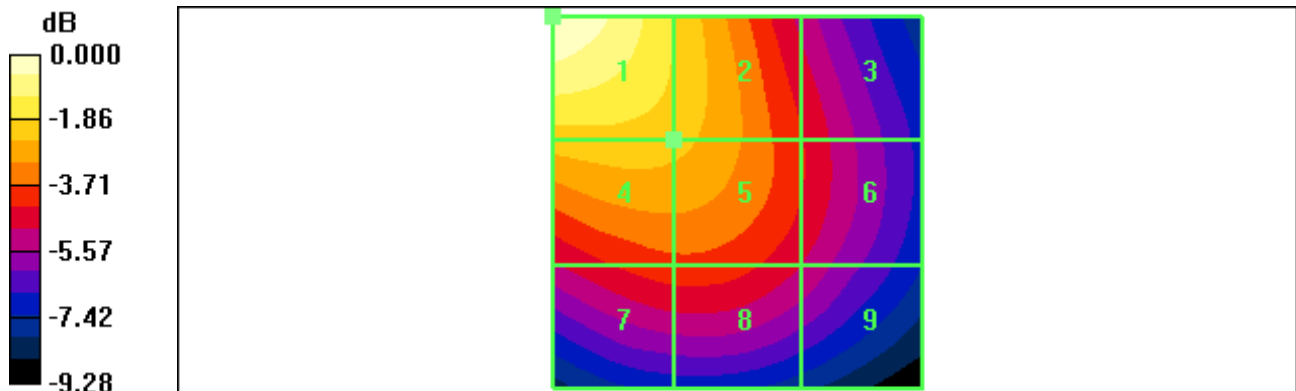
Grid 1	Grid 2	Grid 3
0.223 M3	0.180 M3	0.137 M4
Grid 4	Grid 5	Grid 6
0.176 M3	0.172 M3	0.137 M4
Grid 7	Grid 8	Grid 9
0.142 M3	0.142 M3	0.126 M4

Cursor:

Total = 0.223 A/m

H Category: M3

Location: 25, -25, 370.9 mm



0 dB = 0.223A/m

Test Laboratory: HCT CO., LTD.

Ambient Temperature / Channel 21.5°C /810

Test Date Mar. 6, 2012

DUT: P6030; 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: E Dipole Section ; Measurement SW: DASY4, V4.7 Build 71; Postprocessing SW: SEMCAD, V1.8 Build 184

DASY4 Configuration:

- Probe: H3DV6 - SN6101; ; Calibrated: 2011-05-18

- Sensor-Surface: (Fix Surface)

- Electronics: DAE3 Sn466; Calibrated: 2012-02-21

- 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 = 0.206 A/m

Probe Modulation Factor = 2.27

Device Reference Point: 0.000, 0.000, 354.7 mm

Reference Value = 0.068 A/m; Power Drift = 0.060 dB

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

Peak H-field in A/m

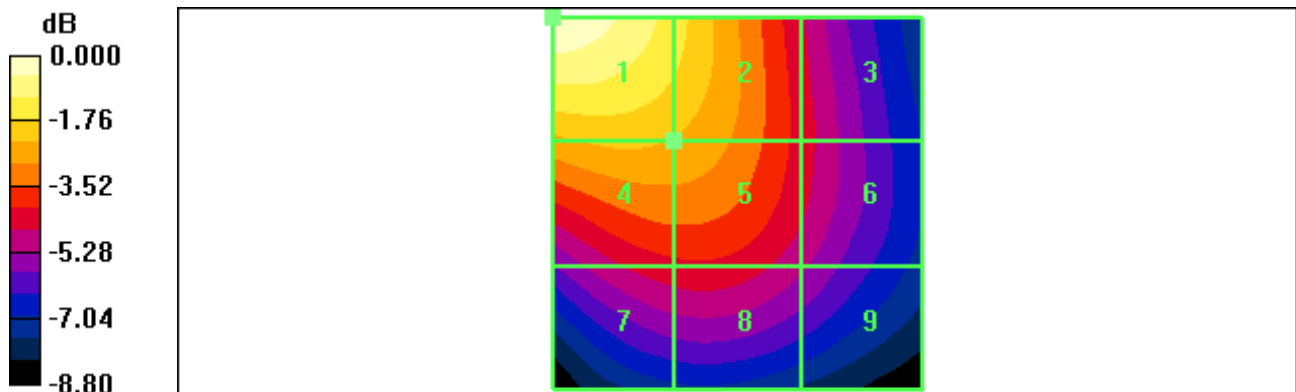
Grid 1	Grid 2	Grid 3
0.206 M3	0.174 M3	0.125 M4
Grid 4	Grid 5	Grid 6
0.160 M3	0.157 M3	0.125 M4
Grid 7	Grid 8	Grid 9
0.126 M4	0.127 M4	0.114 M4

Cursor:

Total = 0.206 A/m

H Category: M3

Location: 25, -25, 370.9 mm



0 dB = 0.206A/m

Test Laboratory: HCT CO., LTD.

Ambient Temperature / Channel 21.5°C /4132

Test Date Mar. 6, 2012

DUT: P6030; 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 Dipole Section ; Measurement SW: DASY4, V4.7 Build 71; Postprocessing SW: SEMCAD, V1.8 Build 184

DASY4 Configuration:

- Probe: ER3DV6 - SN2343; ConvF(1, 1, 1); Calibrated: 2011-05-16
- Sensor-Surface: (Fix Surface)
- Electronics: DAE3 Sn466; Calibrated: 2012-02-21
- 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 = 35.8 V/m

Probe Modulation Factor = 0.823

Device Reference Point: 0.000, 0.000, 354.7 mm

Reference Value = 56.0 V/m; Power Drift = 0.042 dB

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

Peak E-field in V/m

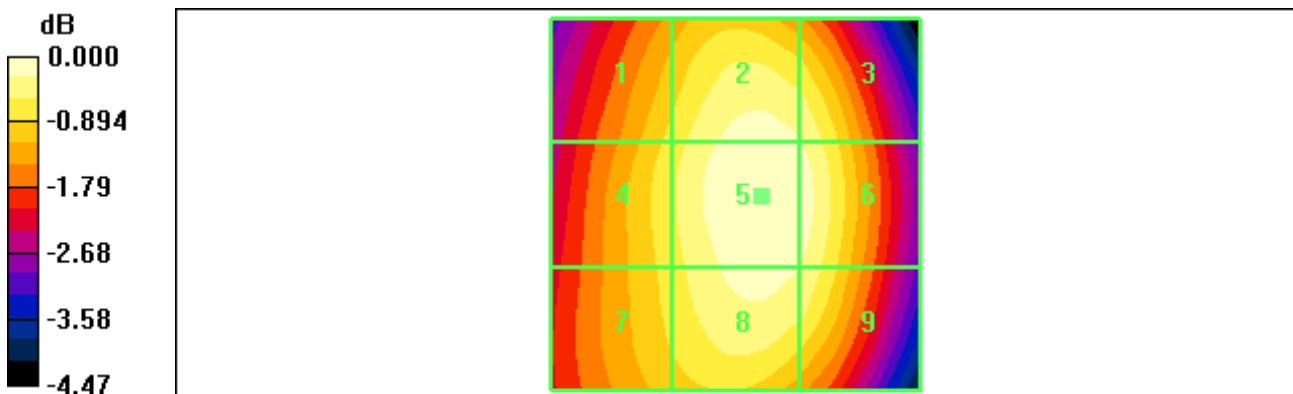
Grid 1	Grid 2	Grid 3
32.8 M4	35.2 M4	34.7 M4
Grid 4	Grid 5	Grid 6
33.3 M4	35.8 M4	35.3 M4
Grid 7	Grid 8	Grid 9
32.9 M4	35.1 M4	34.6 M4

Cursor:

Total = 35.8 V/m

E Category: M4

Location: -3.5, -1, 370.9 mm



Test Laboratory: HCT CO., LTD.

Ambient Temperature / Channel 21.5°C /4183

Test Date Mar. 6, 2012

DUT: P6030; 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 Dipole Section ; Measurement SW: DASY4, V4.7 Build 71; Postprocessing SW: SEMCAD, V1.8 Build 184

DASY4 Configuration:

- Probe: ER3DV6 - SN2343; ConvF(1, 1, 1); Calibrated: 2011-05-16

- Sensor-Surface: (Fix Surface)

- Electronics: DAE3 Sn466; Calibrated: 2012-02-21

- 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 = 37.9 V/m

Probe Modulation Factor = 0.823

Device Reference Point: 0.000, 0.000, 354.7 mm

Reference Value = 59.4 V/m; Power Drift = 0.060 dB

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

Peak E-field in V/m

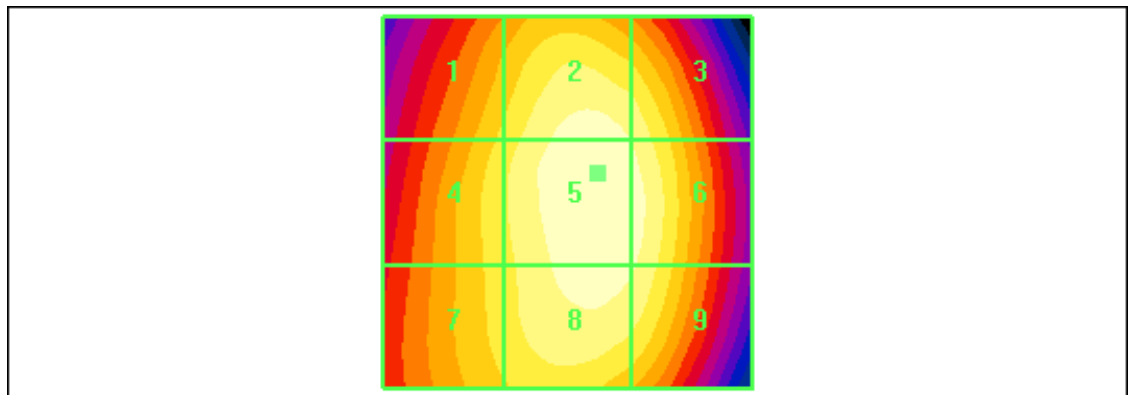
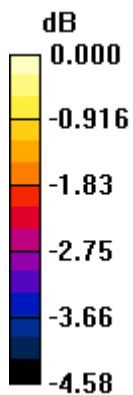
Grid 1	Grid 2	Grid 3
34.6 M4	37.4 M4	36.6 M4
Grid 4	Grid 5	Grid 6
35.2 M4	37.9 M4	37.3 M4
Grid 7	Grid 8	Grid 9
35.0 M4	37.3 M4	36.8 M4

Cursor:

Total = 37.9 V/m

E Category: M4

Location: -4, -4, 370.9 mm



0 dB = 37.9V/m

Test Laboratory: HCT CO., LTD.

Ambient Temperature / Channel 21.5°C /4233

Test Date Mar. 6, 2012

DUT: P6030; 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 Dipole Section ; Measurement SW: DASY4, V4.7 Build 71; Postprocessing SW: SEMCAD, V1.8 Build 184

DASY4 Configuration:

- Probe: ER3DV6 - SN2343; ConvF(1, 1, 1); Calibrated: 2011-05-16
- Sensor-Surface: (Fix Surface)
- Electronics: DAE3 Sn466; Calibrated: 2012-02-21
- 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 = 39.4 V/m

Probe Modulation Factor = 0.823

Device Reference Point: 0.000, 0.000, 354.7 mm

Reference Value = 61.4 V/m; Power Drift = -0.014 dB

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

Peak E-field in V/m

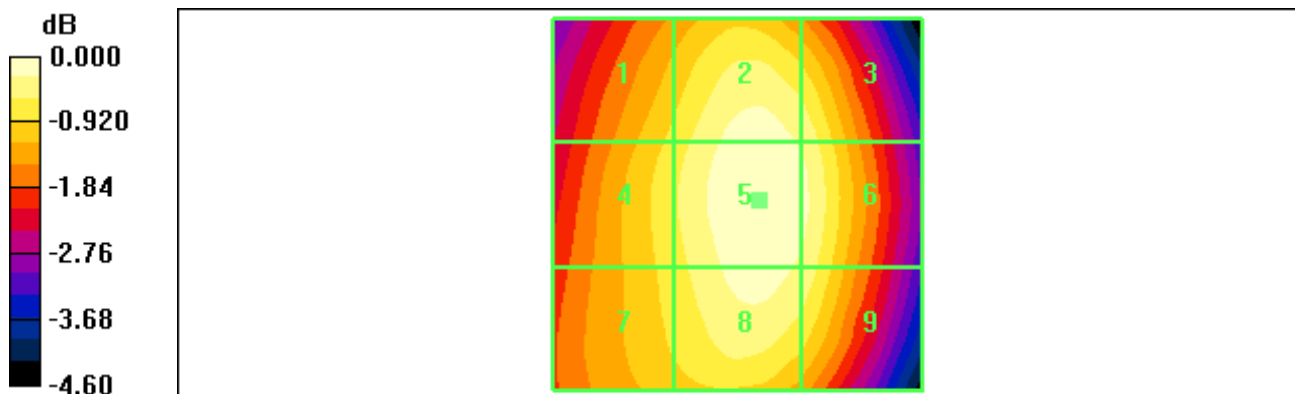
Grid 1	Grid 2	Grid 3
35.9 M4	38.8 M4	37.9 M4
Grid 4	Grid 5	Grid 6
36.6 M4	39.4 M4	38.5 M4
Grid 7	Grid 8	Grid 9
36.2 M4	38.7 M4	37.8 M4

Cursor:

Total = 39.4 V/m

E Category: M4

Location: -3, -0.5, 370.9 mm



Test Laboratory: HCT CO., LTD.

Ambient Temperature / Channel 21.5°C /9262

Test Date Mar. 6, 2012

DUT: P6030; 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 Dipole Section ; Measurement SW: DASY4, V4.7 Build 71; Postprocessing SW: SEMCAD, V1.8 Build 184

DASY4 Configuration:

- Probe: ER3DV6 - SN2343; ConvF(1, 1, 1); Calibrated: 2011-05-16
- Sensor-Surface: (Fix Surface)
- Electronics: DAE3 Sn466; Calibrated: 2012-02-21
- 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 = 27.9 V/m

Probe Modulation Factor = 0.833

Device Reference Point: 0.000, 0.000, 354.7 mm

Reference Value = 16.5 V/m; Power Drift = 0.027 dB

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

Peak E-field in V/m

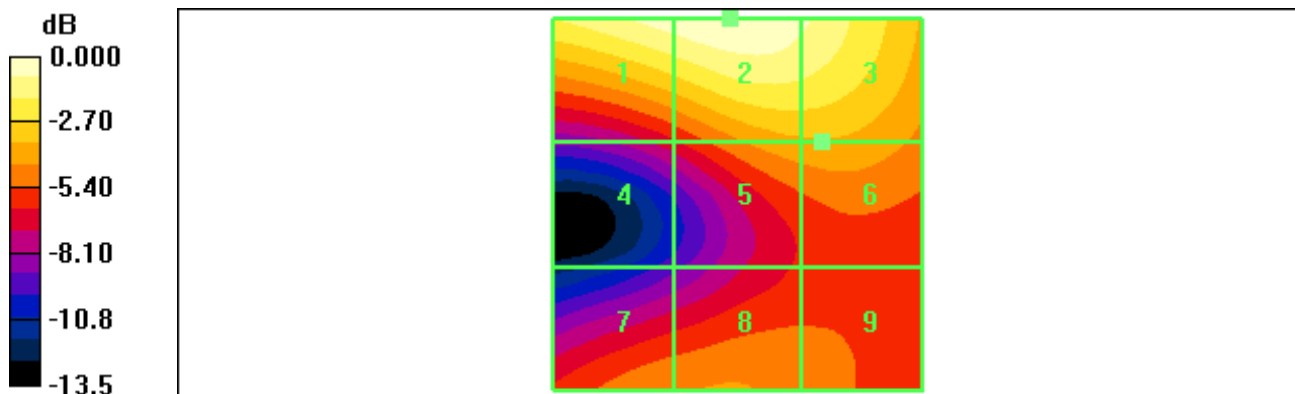
Grid 1	Grid 2	Grid 3
26.7 M4	27.9 M4	25.7 M4
Grid 4	Grid 5	Grid 6
13.3 M4	18.1 M4	18.3 M4
Grid 7	Grid 8	Grid 9
16.6 M4	16.8 M4	16.0 M4

Cursor:

Total = 27.9 V/m

E Category: M4

Location: 1, -25, 370.9 mm



0 dB = 27.9V/m

Test Laboratory: HCT CO., LTD.

Ambient Temperature / Channel 21.5°C /9400

Test Date Mar. 6, 2012

DUT: P6030; 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 Dipole Section ; Measurement SW: DASY4, V4.7 Build 71; Postprocessing SW: SEMCAD, V1.8 Build 184

DASY4 Configuration:

- Probe: ER3DV6 - SN2343; ConvF(1, 1, 1); Calibrated: 2011-05-16
- Sensor-Surface: (Fix Surface)
- Electronics: DAE3 Sn466; Calibrated: 2012-02-21
- 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 = 28.9 V/m

Probe Modulation Factor = 0.833

Device Reference Point: 0.000, 0.000, 354.7 mm

Reference Value = 21.9 V/m; Power Drift = 0.045 dB

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

Peak E-field in V/m

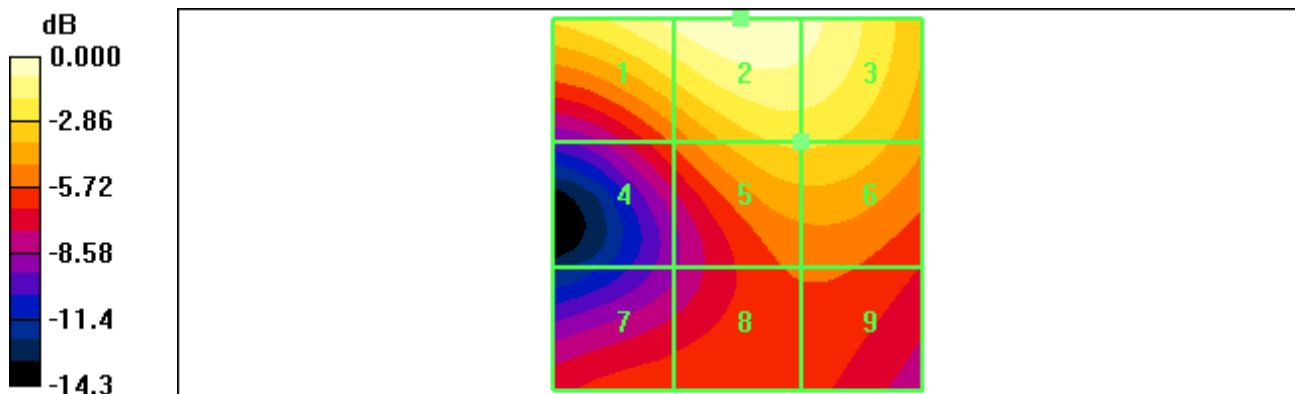
Grid 1	Grid 2	Grid 3
26.8 M4	28.9 M4	27.2 M4
Grid 4	Grid 5	Grid 6
15.4 M4	21.2 M4	21.2 M4
Grid 7	Grid 8	Grid 9
14.6 M4	15.2 M4	15.3 M4

Cursor:

Total = 28.9 V/m

E Category: M4

Location: -0.5, -25, 370.9 mm



0 dB = 28.9V/m

Test Laboratory: HCT CO., LTD.

Ambient Temperature / Channel 21.5°C /9538

Test Date Mar. 6, 2012

DUT: P6030; 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 Dipole Section ; Measurement SW: DASY4, V4.7 Build 71; Postprocessing SW: SEMCAD, V1.8 Build 184

DASY4 Configuration:

- Probe: ER3DV6 - SN2343; ConvF(1, 1, 1); Calibrated: 2011-05-16
- Sensor-Surface: (Fix Surface)
- Electronics: DAE3 Sn466; Calibrated: 2012-02-21
- 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 = 30.0 V/m

Probe Modulation Factor = 0.833

Device Reference Point: 0.000, 0.000, 354.7 mm

Reference Value = 22.5 V/m; Power Drift = 0.076 dB

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

Peak E-field in V/m

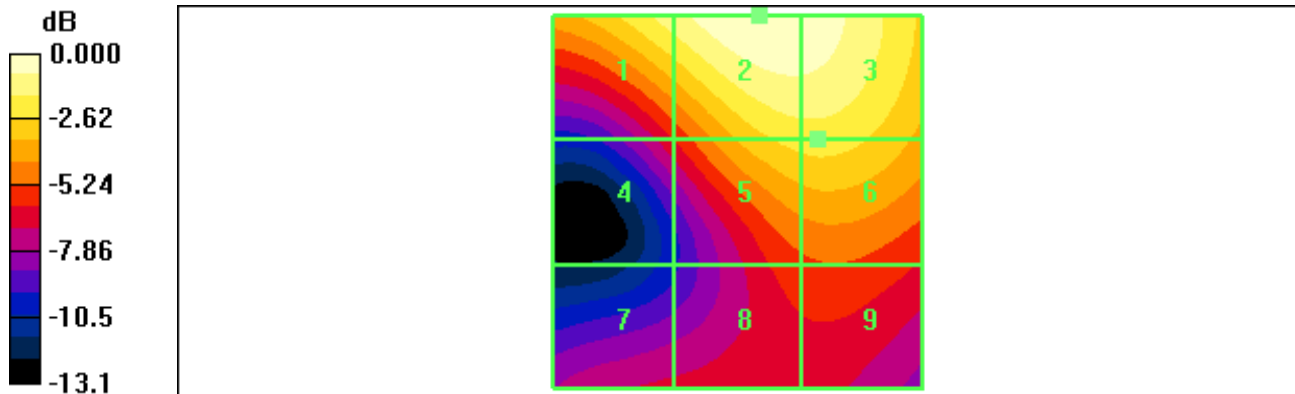
Grid 1	Grid 2	Grid 3
26.2 M4	30.0 M4	29.3 M4
Grid 4	Grid 5	Grid 6
15.1 M4	23.2 M4	23.3 M4
Grid 7	Grid 8	Grid 9
13.8 M4	16.0 M4	16.4 M4

Cursor:

Total = 30.0 V/m

E Category: M4

Location: -3, -25, 370.9 mm



0 dB = 30.0V/m

Test Laboratory: HCT CO., LTD.

Ambient Temperature / Channel 21.5°C /4132

Test Date Mar. 6, 2012

DUT: P6030; 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: E Dipole Section ; Measurement SW: DASY4, V4.7 Build 71; Postprocessing SW: SEMCAD, V1.8 Build 184

DASY4 Configuration:

- Probe: H3DV6 - SN6101; ; Calibrated: 2011-05-18

- Sensor-Surface: (Fix Surface)

- Electronics: DAE3 Sn466; Calibrated: 2012-02-21

- 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 = 0.069 A/m

Probe Modulation Factor = 0.807

Device Reference Point: 0.000, 0.000, 354.7 mm

Reference Value = 0.060 A/m; Power Drift = -0.050 dB

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

Peak H-field in A/m

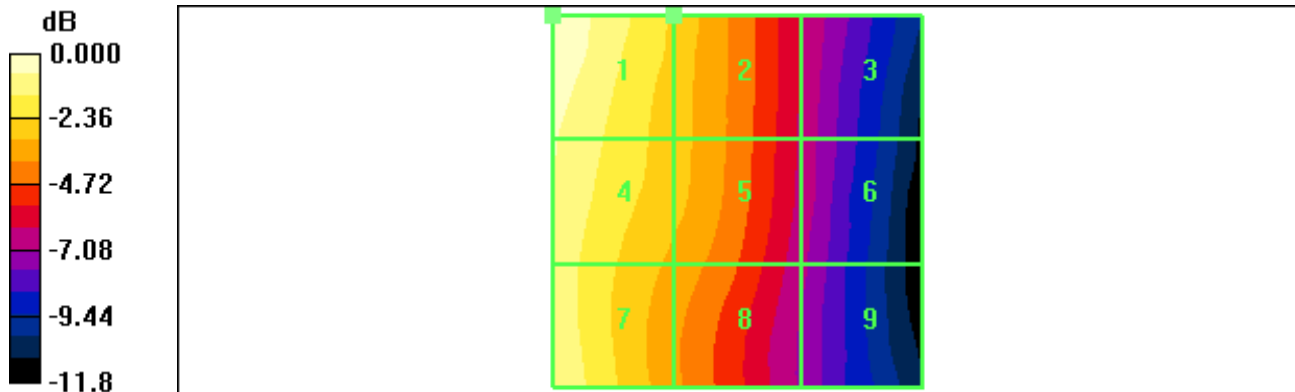
Grid 1	Grid 2	Grid 3
0.069 M4	0.052 M4	0.034 M4
Grid 4	Grid 5	Grid 6
0.064 M4	0.050 M4	0.033 M4
Grid 7	Grid 8	Grid 9
0.063 M4	0.047 M4	0.032 M4

Cursor:

Total = 0.069 A/m

H Category: M4

Location: 25, -25, 370.9 mm



0 dB = 0.069A/m

Test Laboratory: HCT CO., LTD.

Ambient Temperature / Channel 21.5°C /4183

Test Date Mar. 6, 2012

DUT: P6030; 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: E Dipole Section ; Measurement SW: DASY4, V4.7 Build 71; Postprocessing SW: SEMCAD, V1.8 Build 184

DASY4 Configuration:

- Probe: H3DV6 - SN6101; ; Calibrated: 2011-05-18
- Sensor-Surface: (Fix Surface)
- Electronics: DAE3 Sn466; Calibrated: 2012-02-21
- 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 = 0.070 A/m

Probe Modulation Factor = 0.807

Device Reference Point: 0.000, 0.000, 354.7 mm

Reference Value = 0.060 A/m; Power Drift = 0.029 dB

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

Peak H-field in A/m

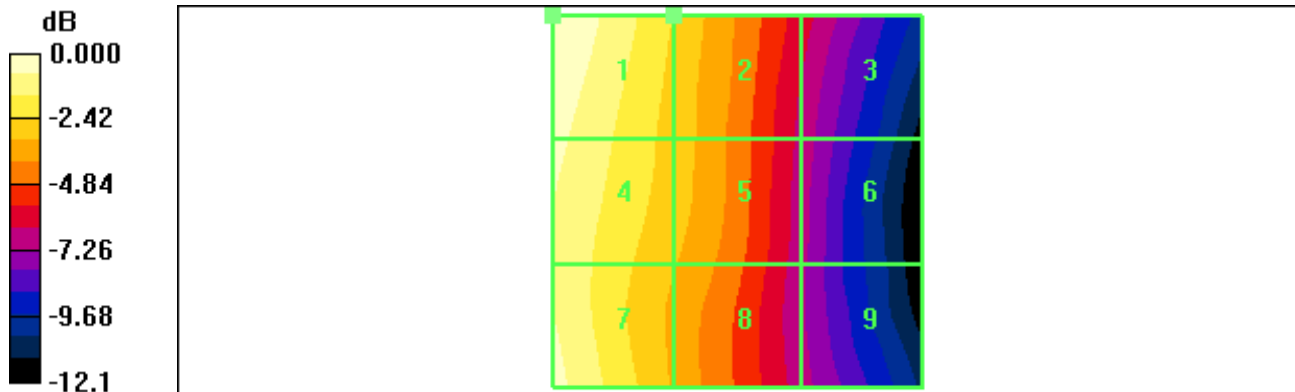
Grid 1	Grid 2	Grid 3
0.070 M4	0.053 M4	0.035 M4
Grid 4	Grid 5	Grid 6
0.066 M4	0.051 M4	0.033 M4
Grid 7	Grid 8	Grid 9
0.066 M4	0.049 M4	0.032 M4

Cursor:

Total = 0.070 A/m

H Category: M4

Location: 25, -25, 370.9 mm



0 dB = 0.070A/m

Test Laboratory: HCT CO., LTD.

Ambient Temperature / Channel 21.5°C /4233

Test Date Mar. 6, 2012

DUT: P6030; 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: E Dipole Section ; Measurement SW: DASY4, V4.7 Build 71; Postprocessing SW: SEMCAD, V1.8 Build 184

DASY4 Configuration:

- Probe: H3DV6 - SN6101; ; Calibrated: 2011-05-18

- Sensor-Surface: (Fix Surface)

- Electronics: DAE3 Sn466; Calibrated: 2012-02-21

- 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 = 0.073 A/m

Probe Modulation Factor = 0.807

Device Reference Point: 0.000, 0.000, 354.7 mm

Reference Value = 0.065 A/m; Power Drift = 0.095 dB

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

Peak H-field in A/m

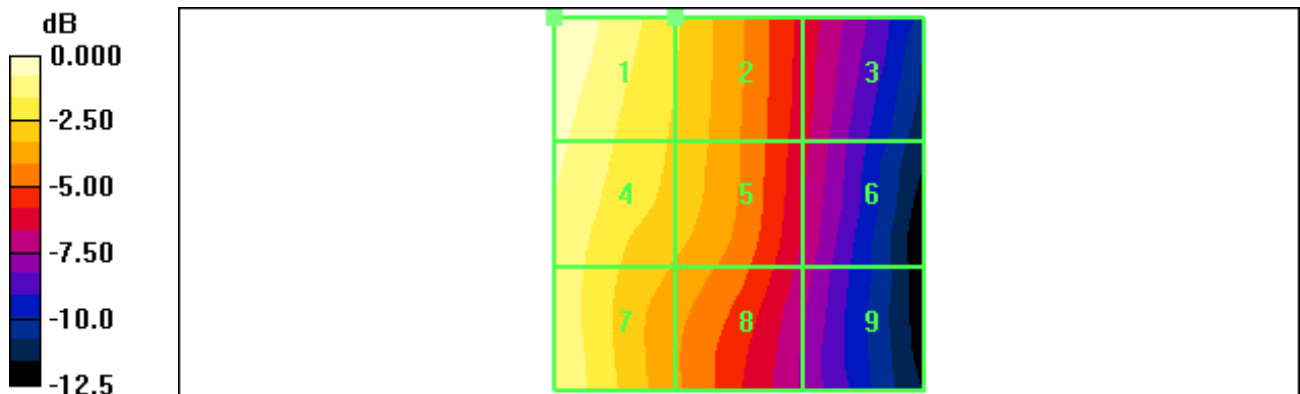
Grid 1	Grid 2	Grid 3
0.073 M4	0.056 M4	0.036 M4
Grid 4	Grid 5	Grid 6
0.068 M4	0.054 M4	0.035 M4
Grid 7	Grid 8	Grid 9
0.066 M4	0.049 M4	0.033 M4

Cursor:

Total = 0.073 A/m

H Category: M4

Location: 25, -25, 370.9 mm



0 dB = 0.073A/m

Test Laboratory: HCT CO., LTD.

Ambient Temperature / Channel 21.5°C /9262

Test Date Mar. 6, 2012

DUT: P6030; 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: E Dipole Section ; Measurement SW: DASY4, V4.7 Build 71; Postprocessing SW: SEMCAD, V1.8 Build 184

DASY4 Configuration:

- Probe: H3DV6 - SN6101; ; Calibrated: 2011-05-18

- Sensor-Surface: (Fix Surface)

- Electronics: DAE3 Sn466; Calibrated: 2012-02-21

- 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 = 0.087 A/m

Probe Modulation Factor = 0.799

Device Reference Point: 0.000, 0.000, 354.7 mm

Reference Value = 0.096 A/m; Power Drift = 0.005 dB

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

Peak H-field in A/m

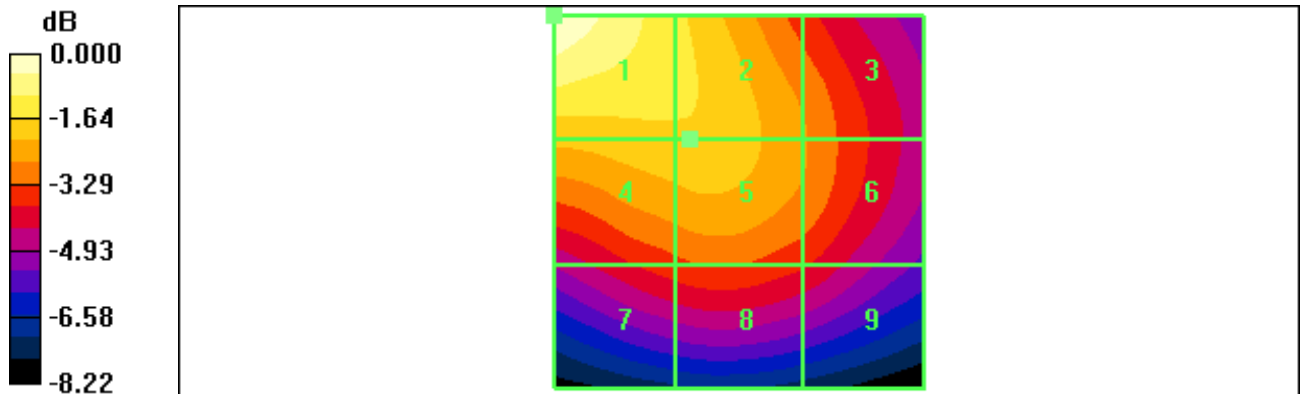
Grid 1	Grid 2	Grid 3
0.087 M4	0.073 M4	0.064 M4
Grid 4	Grid 5	Grid 6
0.071 M4	0.071 M4	0.064 M4
Grid 7	Grid 8	Grid 9
0.058 M4	0.060 M4	0.057 M4

Cursor:

Total = 0.087 A/m

H Category: M4

Location: 25, -25, 370.9 mm



0 dB = 0.087A/m

Test Laboratory: HCT CO., LTD.

Ambient Temperature / Channel 21.5°C /9400

Test Date Mar. 6, 2012

DUT: P6030; 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: E Dipole Section ; Measurement SW: DASY4, V4.7 Build 71; Postprocessing SW: SEMCAD, V1.8 Build 184

DASY4 Configuration:

- Probe: H3DV6 - SN6101; ; Calibrated: 2011-05-18

- Sensor-Surface: (Fix Surface)

- Electronics: DAE3 Sn466; Calibrated: 2012-02-21

- 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 = 0.091 A/m

Probe Modulation Factor = 0.799

Device Reference Point: 0.000, 0.000, 354.7 mm

Reference Value = 0.089 A/m; Power Drift = -0.010 dB

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

Peak H-field in A/m

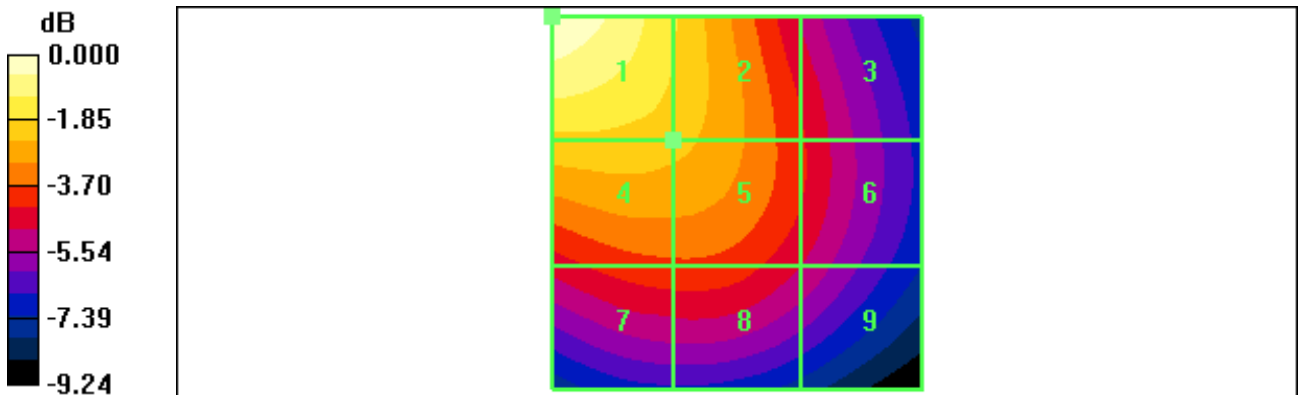
Grid 1	Grid 2	Grid 3
0.091 M4	0.074 M4	0.056 M4
Grid 4	Grid 5	Grid 6
0.073 M4	0.070 M4	0.057 M4
Grid 7	Grid 8	Grid 9
0.059 M4	0.059 M4	0.052 M4

Cursor:

Total = 0.091 A/m

H Category: M4

Location: 25, -25, 370.9 mm



Test Laboratory: HCT CO., LTD.

Ambient Temperature / Channel 21.5°C /9538

Test Date Mar. 6, 2012

DUT: P6030; Type: bar; Serial:#1

Communication System: WCDMA1900; Frequency: 1907.6₃MHz;Duty Cycle: 1:1

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

Phantom section: E Dipole Section ; Measurement SW: DASY4, V4.7 Build 71; Postprocessing SW: SEMCAD, V1.8 Build 184

DASY4 Configuration:

- Probe: H3DV6 - SN6101; ; Calibrated: 2011-05-18

- Sensor-Surface: (Fix Surface)

- Electronics: DAE3 Sn466; Calibrated: 2012-02-21

- 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 = 0.093 A/m

Probe Modulation Factor = 0.799

Device Reference Point: 0.000, 0.000, 354.7 mm

Reference Value = 0.089 A/m; Power Drift = -0.003 dB

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

Peak H-field in A/m

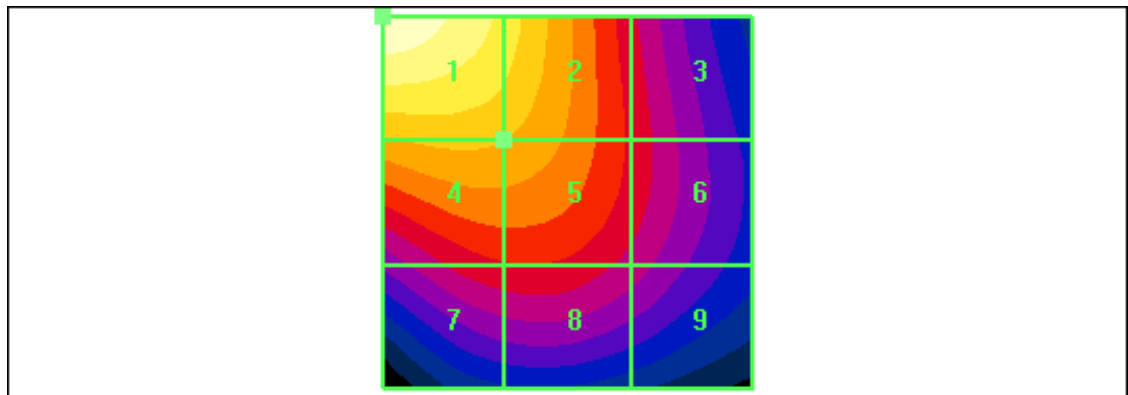
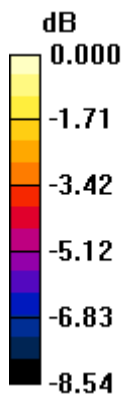
Grid 1	Grid 2	Grid 3
0.093 M4	0.080 M4	0.058 M4
Grid 4	Grid 5	Grid 6
0.073 M4	0.072 M4	0.058 M4
Grid 7	Grid 8	Grid 9
0.058 M4	0.059 M4	0.054 M4

Cursor:

Total = 0.093 A/m

H Category: M4

Location: 25, -25, 370.9 mm



0 dB = 0.093A/m