

APPENDIX A. HAC TEST PLOTS

Test Laboratory: HCT CO., LTD.

Ambient Temperature / Channel 21.6 °C /1013

Test Date Jan.25, 2010

DUT: PB10ZU; Serial: #1

Communication System: CDMA 835MHz FCC; Frequency: 824.7 MHz;Duty Cycle: 1:1
 Medium parameters used: $\sigma = 0$ mho/m, $\epsilon_r = 1$; $\rho = 1000$ kg/m³
 Phantom section: E Device Section ; Measurement SW: DASY4, V4.7 Build 71; Postprocessing SW: SEMCAD, V1.8 Build 176

DASY4 Configuration:

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

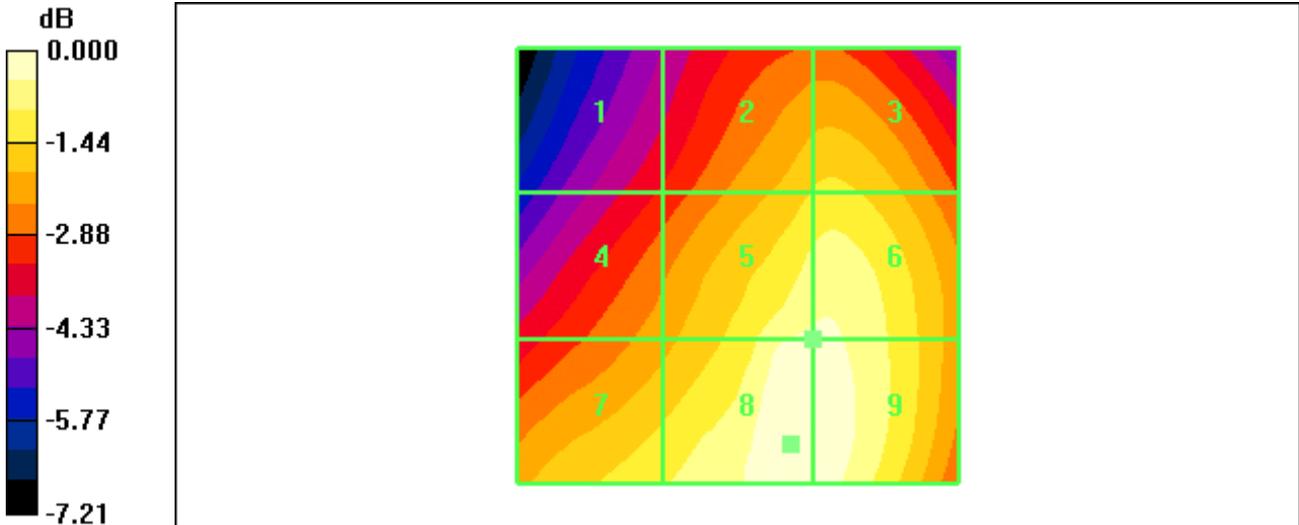
Measurement grid: dx=5mm, dy=5mm
 Maximum value of peak Total field = 61.7 V/m
 Probe Modulation Factor = 0.978
 Device Reference Point: 0.000, 0.000, 353.7 mm
 Reference Value = 68.4 V/m; Power Drift = 0.608 dB
Hearing Aid Near-Field Category: M4 (AWF 0 dB)

Peak E-field in V/m

Grid 1	Grid 2	Grid 3
42.4 M4	52.4 M4	53.1 M4
Grid 4	Grid 5	Grid 6
48.6 M4	59.0 M4	59.0 M4
Grid 7	Grid 8	Grid 9
54.9 M4	61.7 M4	61.1 M4

Cursor:

Total = 61.7 V/m
 E Category: M4
 Location: -6, 20.5, 369.9 mm



0 dB = 61.7V/m

Test Laboratory: HCT CO., LTD.

Ambient Temperature / Channel 21.6 °C /384

Test Date Jan.25, 2010

DUT: PB10ZU; Serial: #1

Communication System: CDMA 835MHz FCC; Frequency: 836.52 MHz;Duty Cycle: 1:1
 Medium parameters used: $\sigma = 0$ mho/m, $\epsilon_r = 1$; $\rho = 1000$ kg/m³
 Phantom section: E Device Section ; Measurement SW: DASY4, V4.7 Build 71; Postprocessing SW: SEMCAD, V1.8 Build 176

DASY4 Configuration:

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

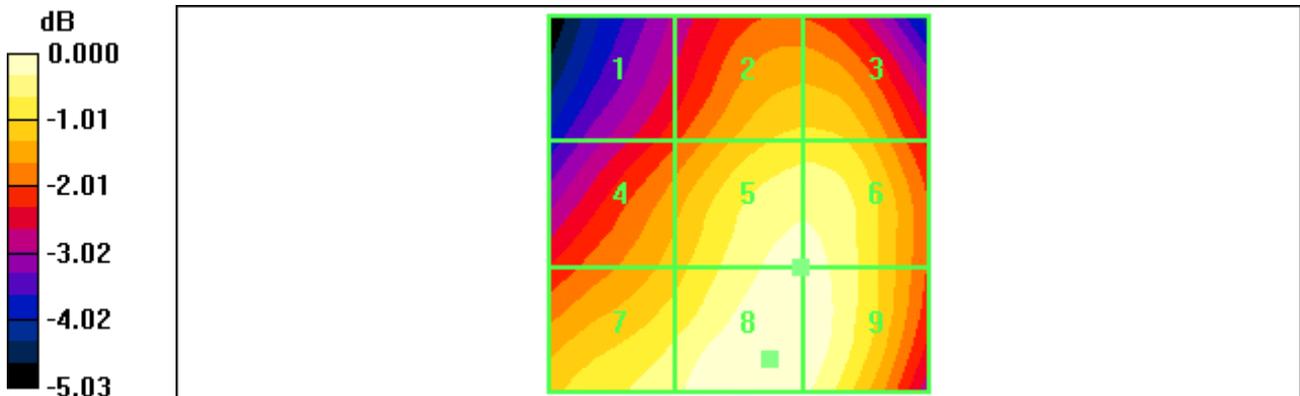
Measurement grid: dx=5mm, dy=5mm
 Maximum value of peak Total field = 56.3 V/m
 Probe Modulation Factor = 0.978
 Device Reference Point: 0.000, 0.000, 353.7 mm
 Reference Value = 69.9 V/m; Power Drift = 0.068 dB
Hearing Aid Near-Field Category: M4 (AWF 0 dB)

Peak E-field in V/m

Grid 1	Grid 2	Grid 3
44.2 M4	50.8 M4	50.8 M4
Grid 4	Grid 5	Grid 6
49.3 M4	55.0 M4	55.0 M4
Grid 7	Grid 8	Grid 9
53.7 M4	56.3 M4	55.7 M4

Cursor:

Total = 56.3 V/m
 E Category: M4
 Location: -4, 20.5, 369.9 mm



0 dB = 56.3V/m

Test Laboratory: HCT CO., LTD.
 Ambient Temperature / Channel 21.6 °C /777
 Test Date Jan.25, 2010

DUT: PB10ZU; Serial: #1

Communication System: CDMA 835MHz FCC; Frequency: 848.31 MHz;Duty Cycle: 1:1
 Medium parameters used: $\sigma = 0$ mho/m, $\epsilon_r = 1$; $\rho = 1000$ kg/m³
 Phantom section: E Device Section ; Measurement SW: DASY4, V4.7 Build 71; Postprocessing SW: SEMCAD, V1.8 Build 176

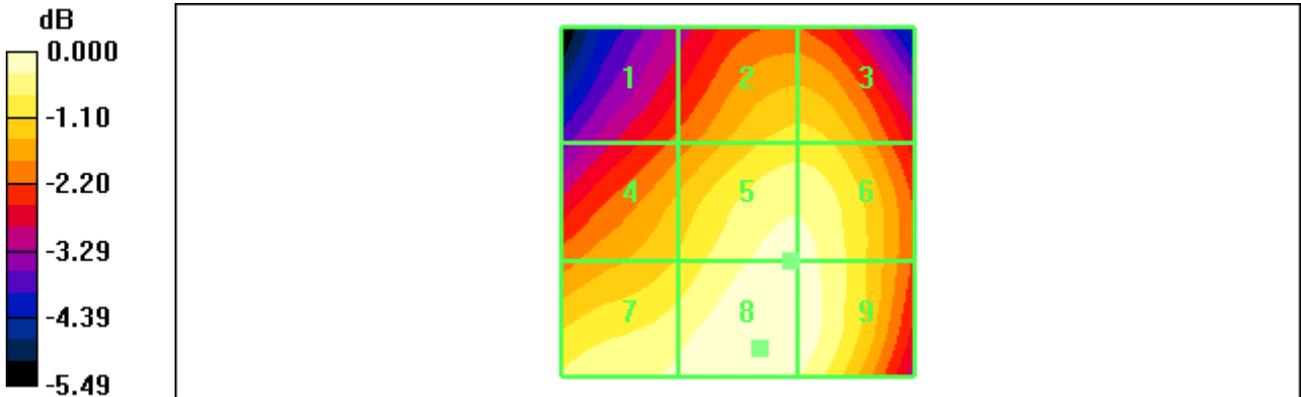
DASY4 Configuration:
 - Probe: ER3DV6 - SN2343; ConvF(1, 1, 1); Calibrated: 2009-05-22
 - Sensor-Surface: (Fix Surface)
 - Electronics: DAE3 Sn466; Calibrated: 2009-07-21
 - Phantom: HAC Test Arch; Type: SD HAC P01 BA

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 = 59.7 V/m
 Probe Modulation Factor = 0.978
 Device Reference Point: 0.000, 0.000, 353.7 mm
 Reference Value = 73.3 V/m; Power Drift = 0.195 dB
Hearing Aid Near-Field Category: M4 (AWF 0 dB)

Peak E-field in V/m

Grid 1	Grid 2	Grid 3
47.2 M4	53.8 M4	53.8 M4
Grid 4	Grid 5	Grid 6
53.0 M4	58.2 M4	58.1 M4
Grid 7	Grid 8	Grid 9
57.8 M4	59.7 M4	58.9 M4

Cursor:
 Total = 59.7 V/m
 E Category: M4
 Location: -3, 21, 369.9 mm



0 dB = 59.7V/m

Test Laboratory: HCT CO., LTD.
 Ambient Temperature / Channel 21.6 °C /25
 Test Date Jan.25, 2010

DUT: PB10ZU; Serial: #1

Communication System: PCS 1900MHz FCC; Frequency: 1851.25 MHz;Duty Cycle: 1:1
 Medium parameters used: $\sigma = 0$ mho/m, $\epsilon_r = 1$; $\rho = 1000$ kg/m³
 Phantom section: E Device Section ; Measurement SW: DASY4, V4.7 Build 71; Postprocessing SW: SEMCAD, V1.8 Build 176

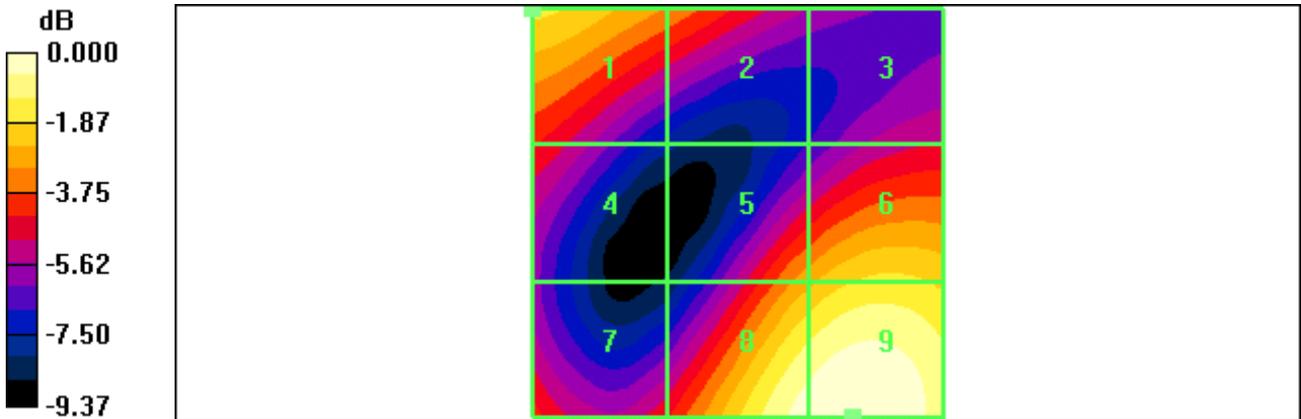
DASY4 Configuration:
 - Probe: ER3DV6 - SN2343; ConvF(1, 1, 1); Calibrated: 2009-05-22
 - Sensor-Surface: (Fix Surface)
 - Electronics: DAE3 Sn466; Calibrated: 2009-07-21
 - Phantom: HAC Test Arch; Type: SD HAC P01 BA

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 = 47.0 V/m
 Probe Modulation Factor = 0.967
 Device Reference Point: 0.000, 0.000, 353.7 mm
 Reference Value = 19.1 V/m; Power Drift = -0.149 dB
Hearing Aid Near-Field Category: M4 (AWF 0 dB)

Peak E-field in V/m

Grid 1	Grid 2	Grid 3
38.7 M4	32.5 M4	26.6 M4
Grid 4	Grid 5	Grid 6
28.7 M4	34.5 M4	38.8 M4
Grid 7	Grid 8	Grid 9
29.7 M4	45.5 M4	47.0 M4

Cursor:
 Total = 47.0 V/m
 E Category: M4
 Location: -14, 25, 369.9 mm



0 dB = 47.0V/m

Test Laboratory: HCT CO., LTD.

Ambient Temperature / Channel 21.6 °C /600

Test Date Jan.25, 2010

DUT: PB10ZU; Serial: #1

Communication System: PCS 1900MHz FCC; Frequency: 1880 MHz;Duty Cycle: 1:1
 Medium parameters used: $\sigma = 0$ mho/m, $\epsilon_r = 1$; $\rho = 1000$ kg/m³
 Phantom section: E Device Section ; Measurement SW: DASY4, V4.7 Build 71; Postprocessing SW: SEMCAD, V1.8 Build 176

DASY4 Configuration:

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

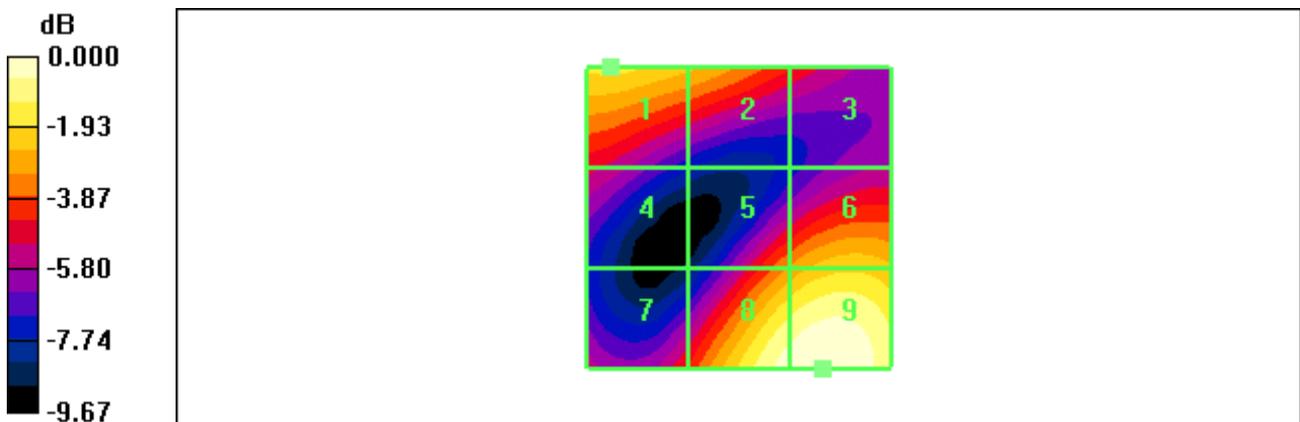
Measurement grid: dx=5mm, dy=5mm
 Maximum value of peak Total field = 46.8 V/m
 Probe Modulation Factor = 0.967
 Device Reference Point: 0.000, 0.000, 353.7 mm
 Reference Value = 17.5 V/m; Power Drift = 0.083 dB
Hearing Aid Near-Field Category: M4 (AWF 0 dB)

Peak E-field in V/m

Grid 1	Grid 2	Grid 3
38.5 M4	35.4 M4	28.0 M4
Grid 4	Grid 5	Grid 6
26.6 M4	32.9 M4	37.1 M4
Grid 7	Grid 8	Grid 9
28.1 M4	45.4 M4	46.8 M4

Cursor:

Total = 46.8 V/m
 E Category: M4
 Location: -14, 25, 369.9 mm



0 dB = 46.8V/m

Test Laboratory: HCT CO., LTD.

Ambient Temperature / Channel 21.6 °C /1175

Test Date Jan.25, 2010

DUT: PB10ZU; Serial: #1

Communication System: PCS 1900MHz FCC; Frequency: 1908.75 MHz;Duty Cycle: 1:1
 Medium parameters used: $\sigma = 0$ mho/m, $\epsilon_r = 1$; $\rho = 1000$ kg/m³
 Phantom section: E Device Section ; Measurement SW: DASY4, V4.7 Build 71; Postprocessing SW: SEMCAD, V1.8 Build 176

DASY4 Configuration:

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

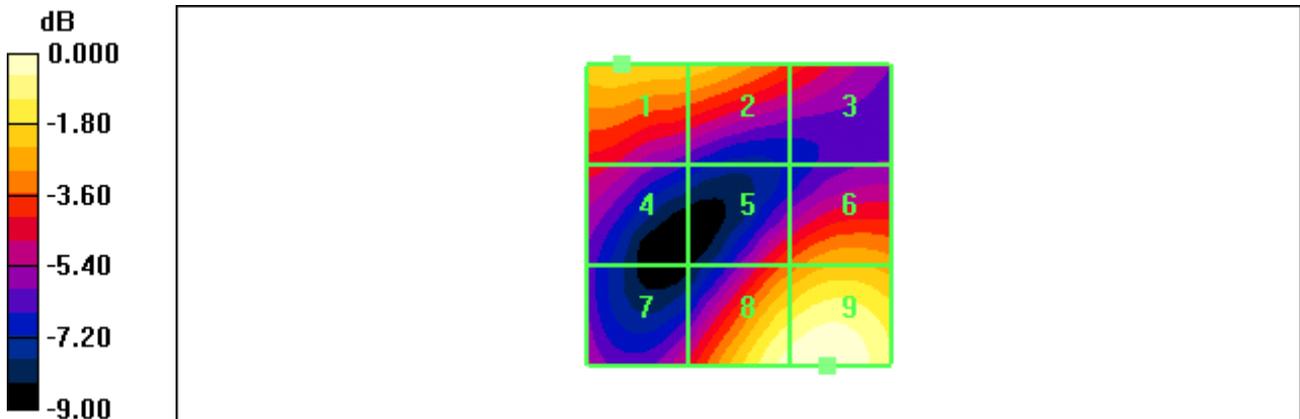
Measurement grid: dx=5mm, dy=5mm
 Maximum value of peak Total field = 52.6 V/m
 Probe Modulation Factor = 0.967
 Device Reference Point: 0.000, 0.000, 353.7 mm
 Reference Value = 18.2 V/m; Power Drift = 0.163 dB
Hearing Aid Near-Field Category: M4 (AWF 0 dB)

Peak E-field in V/m

Grid 1	Grid 2	Grid 3
43.0 M4	42.0 M4	34.0 M4
Grid 4	Grid 5	Grid 6
31.6 M4	35.9 M4	40.4 M4
Grid 7	Grid 8	Grid 9
30.9 M4	50.7 M4	52.6 M4

Cursor:

Total = 52.6 V/m
 E Category: M4
 Location: -14.5, 25, 369.9 mm



0 dB = 52.6V/m

Test Laboratory: HCT CO., LTD.

Ambient Temperature / Channel 21.6 °C /1013

Test Date Jan.25, 2010

DUT: PB10ZU; Serial: #1

Communication System: CDMA 835MHz FCC; Frequency: 824.7 MHz;Duty Cycle: 1:1
 Medium parameters used: $\sigma = 0$ mho/m, $\epsilon_r = 1$; $\rho = 1$ kg/m³
 Phantom section: H Device Section ; Measurement SW: DASY4, V4.7 Build 71; Postprocessing SW: SEMCAD, V1.8 Build 176

DASY4 Configuration:

- Probe: H3DV6 - SN6101; ; Calibrated: 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):

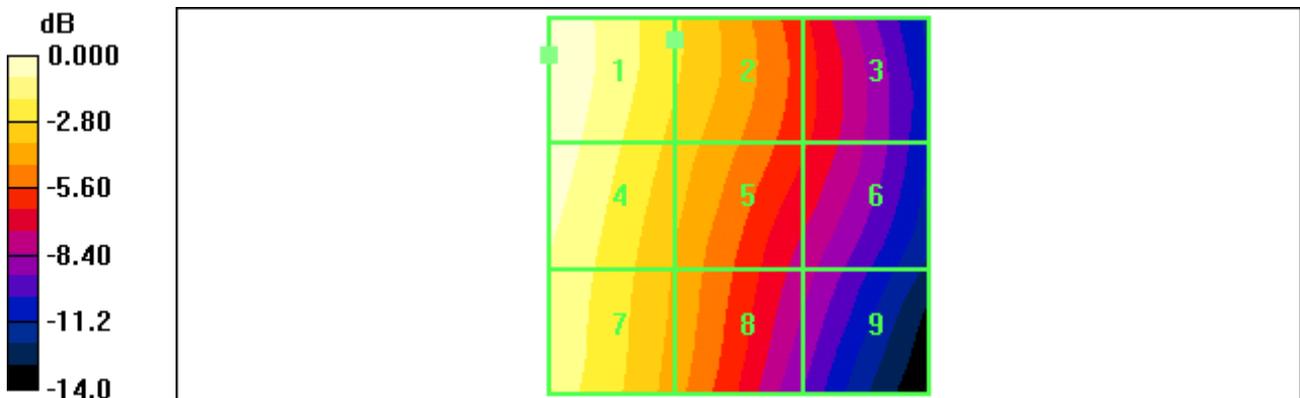
Measurement grid: dx=5mm, dy=5mm
 Maximum value of peak Total field = 0.114 A/m
 Probe Modulation Factor = 0.869
 Device Reference Point: 0.000, 0.000, 353.7 mm
 Reference Value = 0.073 A/m; Power Drift = 0.064 dB
Hearing Aid Near-Field Category: M4 (AWF 0 dB)

Peak H-field in A/m

Grid 1	Grid 2	Grid 3
0.114 M4	0.085 M4	0.057 M4
Grid 4	Grid 5	Grid 6
0.111 M4	0.080 M4	0.055 M4
Grid 7	Grid 8	Grid 9
0.102 M4	0.074 M4	0.046 M4

Cursor:

Total = 0.114 A/m
 H Category: M4
 Location: 25, -20, 369.4 mm



0 dB = 0.114A/m

Test Laboratory: HCT CO., LTD.

Ambient Temperature / Channel 21.6 °C /384

Test Date Jan.25, 2010

DUT: PB10ZU; Serial: #1

Communication System: CDMA 835MHz FCC; Frequency: 836.52 MHz;Duty Cycle: 1:1
 Medium parameters used: $\sigma = 0$ mho/m, $\epsilon_r = 1$; $\rho = 1$ kg/m³
 Phantom section: H 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):

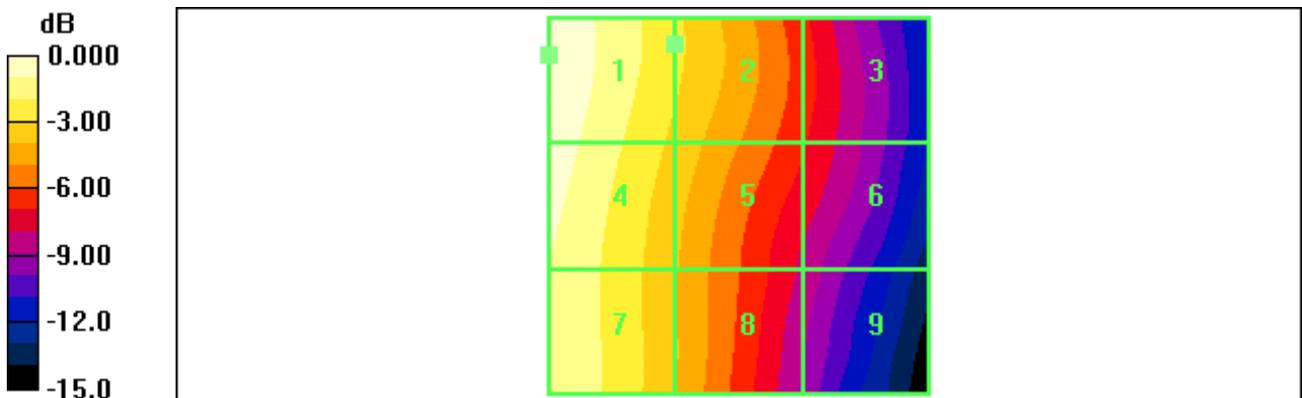
Measurement grid: dx=5mm, dy=5mm
 Maximum value of peak Total field = 0.105 A/m
 Probe Modulation Factor = 0.869
 Device Reference Point: 0.000, 0.000, 353.7 mm
 Reference Value = 0.063 A/m; Power Drift = 0.065 dB
Hearing Aid Near-Field Category: M4 (AWF 0 dB)

Peak H-field in A/m

Grid 1	Grid 2	Grid 3
0.105 M4	0.077 M4	0.050 M4
Grid 4	Grid 5	Grid 6
0.101 M4	0.073 M4	0.048 M4
Grid 7	Grid 8	Grid 9
0.093 M4	0.067 M4	0.041 M4

Cursor:

Total = 0.105 A/m
 H Category: M4
 Location: 25, -20, 369.4 mm



0 dB = 0.105A/m

Test Laboratory: HCT CO., LTD.
 Ambient Temperature / Channel 21.6 °C /777
 Test Date Jan.25, 2010

DUT: PB10ZU; Serial: #1

Communication System: CDMA 835MHz FCC; Frequency: 848.31 MHz;Duty Cycle: 1:1
 Medium parameters used: $\sigma = 0$ mho/m, $\epsilon_r = 1$; $\rho = 1$ kg/m³
 Phantom section: H Device Section ; Measurement SW: DASY4, V4.7 Build 71; Postprocessing SW: SEMCAD, V1.8 Build 176

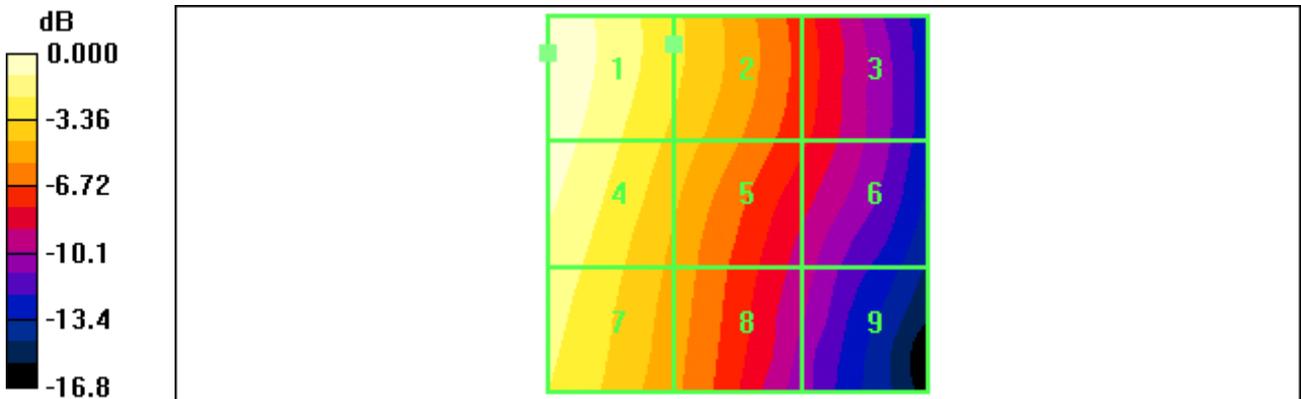
DASY4 Configuration:
 - Probe: H3DV6 - SN6101; ; Calibrated: 2009-05-22
 - Sensor-Surface: (Fix Surface)
 - Electronics: DAE3 Sn466; Calibrated: 2009-07-21
 - Phantom: HAC Test Arch; Type: SD HAC P01 BA

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 = 0.105 A/m
 Probe Modulation Factor = 0.869
 Device Reference Point: 0.000, 0.000, 353.7 mm
 Reference Value = 0.058 A/m; Power Drift = -0.240 dB
Hearing Aid Near-Field Category: M4 (AWF 0 dB)

Peak H-field in A/m

Grid 1	Grid 2	Grid 3
0.105 M4	0.074 M4	0.046 M4
Grid 4	Grid 5	Grid 6
0.100 M4	0.069 M4	0.044 M4
Grid 7	Grid 8	Grid 9
0.088 M4	0.061 M4	0.035 M4

Cursor:
 Total = 0.105 A/m
 H Category: M4
 Location: 25, -20, 369.4 mm



0 dB = 0.105A/m

Test Laboratory: HCT CO., LTD.

Ambient Temperature / Channel 21.6 °C /25

Test Date Jan.25, 2010

DUT: PB10ZU; Serial: #1

Communication System: PCS 1900MHz FCC; Frequency: 1851.25 MHz;Duty Cycle: 1:1
 Medium parameters used: $\sigma = 0$ mho/m, $\epsilon_r = 1$; $\rho = 1$ kg/m³
 Phantom section: H Device Section ; Measurement SW: DASY4, V4.7 Build 71; Postprocessing SW: SEMCAD, V1.8 Build 176

DASY4 Configuration:

- Probe: H3DV6 - SN6101; ; Calibrated: 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):

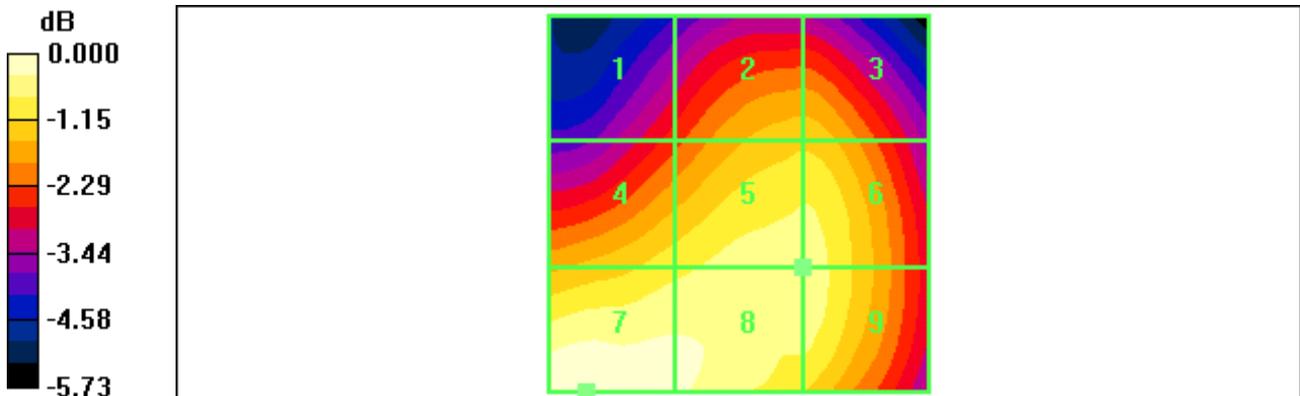
Measurement grid: dx=5mm, dy=5mm
 Maximum value of peak Total field = 0.099 A/m
 Probe Modulation Factor = 0.770
 Device Reference Point: 0.000, 0.000, 353.7 mm
 Reference Value = 0.129 A/m; Power Drift = -0.200 dB
Hearing Aid Near-Field Category: M4 (AWF 0 dB)

Peak H-field in A/m

Grid 1	Grid 2	Grid 3
0.075 M4	0.086 M4	0.086 M4
Grid 4	Grid 5	Grid 6
0.089 M4	0.093 M4	0.093 M4
Grid 7	Grid 8	Grid 9
0.099 M4	0.096 M4	0.093 M4

Cursor:

Total = 0.099 A/m
 H Category: M4
 Location: 20, 25, 369.4 mm



0 dB = 0.099A/m

Test Laboratory: HCT CO., LTD.

Ambient Temperature / Channel 21.6 °C /600

Test Date Jan.25, 2010

DUT: PB10ZU; Serial: #1

Communication System: PCS 1900MHz FCC; Frequency: 1880 MHz;Duty Cycle: 1:1
 Medium parameters used: $\sigma = 0$ mho/m, $\epsilon_r = 1$; $\rho = 1$ kg/m³
 Phantom section: H Device Section ; Measurement SW: DASY4, V4.7 Build 71; Postprocessing SW: SEMCAD, V1.8 Build 176

DASY4 Configuration:

- Probe: H3DV6 - SN6101; ; Calibrated: 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):

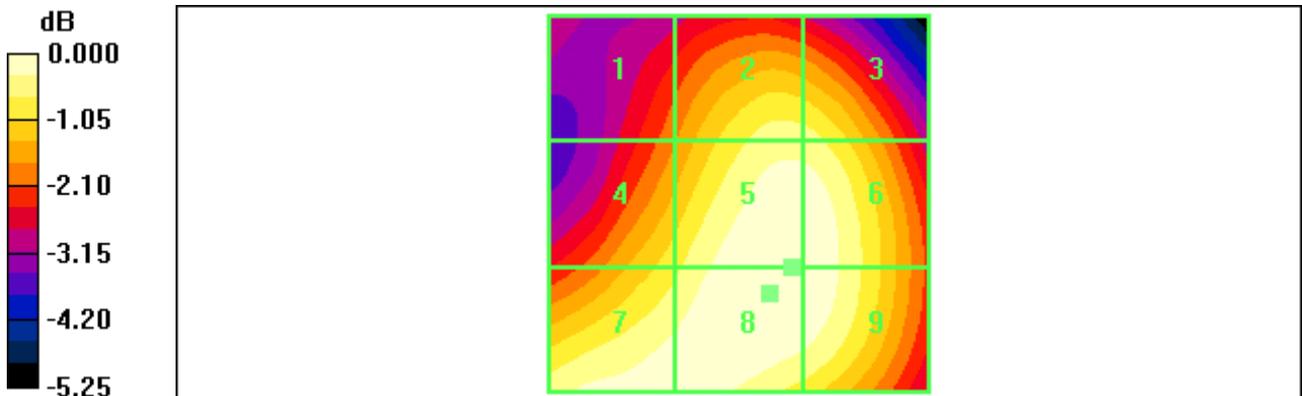
Measurement grid: dx=5mm, dy=5mm
 Maximum value of peak Total field = 0.087 A/m
 Probe Modulation Factor = 0.770
 Device Reference Point: 0.000, 0.000, 353.7 mm
 Reference Value = 0.120 A/m; Power Drift = -0.177 dB
Hearing Aid Near-Field Category: M4 (AWF 0 dB)

Peak H-field in A/m

Grid 1	Grid 2	Grid 3
0.071 M4	0.082 M4	0.082 M4
Grid 4	Grid 5	Grid 6
0.079 M4	0.087 M4	0.087 M4
Grid 7	Grid 8	Grid 9
0.085 M4	0.087 M4	0.087 M4

Cursor:

Total = 0.087 A/m
 H Category: M4
 Location: -4, 12, 369.4 mm



0 dB = 0.087A/m

Test Laboratory: HCT CO., LTD.
 Ambient Temperature / Channel 21.6 °C /1175
 Test Date Jan.25, 2010

DUT: PB10ZU; Serial: #1

Communication System: PCS 1900MHz FCC; Frequency: 1908.75 MHz;Duty Cycle: 1:1
 Medium parameters used: $\sigma = 0$ mho/m, $\epsilon_r = 1$; $\rho = 1$ kg/m³
 Phantom section: H Device Section ; Measurement SW: DASY4, V4.7 Build 71; Postprocessing SW: SEMCAD, V1.8 Build 176

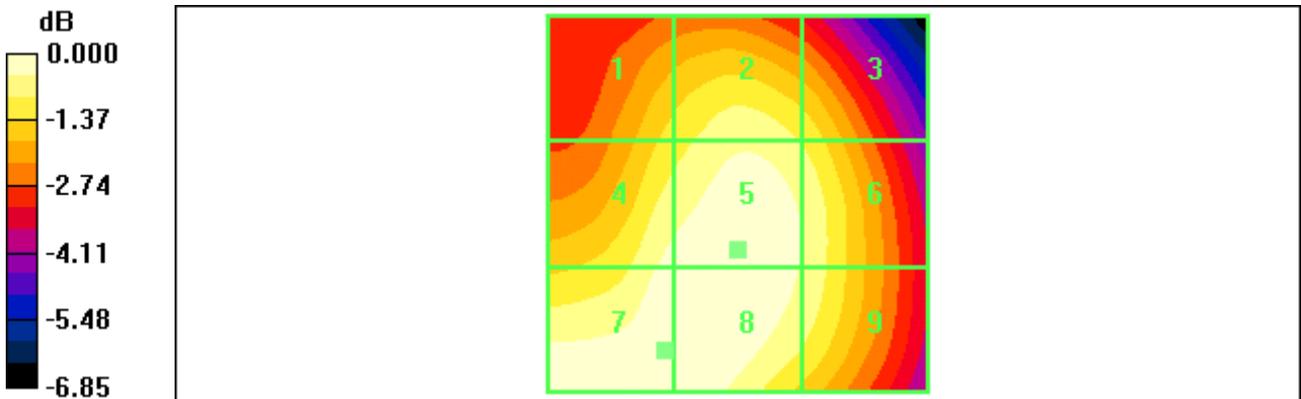
DASY4 Configuration:
 - Probe: H3DV6 - SN6101; ; Calibrated: 2009-05-22
 - Sensor-Surface: (Fix Surface)
 - Electronics: DAE3 Sn466; Calibrated: 2009-07-21
 - Phantom: HAC Test Arch; Type: SD HAC P01 BA

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 = 0.120 A/m
 Probe Modulation Factor = 0.770
 Device Reference Point: 0.000, 0.000, 353.7 mm
 Reference Value = 0.168 A/m; Power Drift = 0.147 dB
Hearing Aid Near-Field Category: M4 (AWF 0 dB)

Peak H-field in A/m

Grid 1	Grid 2	Grid 3
0.105 M4	0.113 M4	0.107 M4
Grid 4	Grid 5	Grid 6
0.116 M4	0.119 M4	0.114 M4
Grid 7	Grid 8	Grid 9
0.120 M4	0.120 M4	0.113 M4

Cursor:
 Total = 0.120 A/m
 H Category: M4
 Location: 9.5, 19.5, 369.4 mm



0 dB = 0.120A/m

Test Laboratory: HCT CO., LTD.

Ambient Temperature / Channel 21.6 °C /1013

Test Date Jan.25, 2010

DUT: PB10ZU; Serial: #1

Communication System: CDMA 835MHz FCC; Frequency: 824.7 MHz;Duty Cycle: 1:1
 Medium parameters used: $\sigma = 0$ mho/m, $\epsilon_r = 1$; $\rho = 1000$ kg/m³
 Phantom section: E Device Section ; Measurement SW: DASY4, V4.7 Build 71; Postprocessing SW: SEMCAD, V1.8 Build 176

DASY4 Configuration:

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

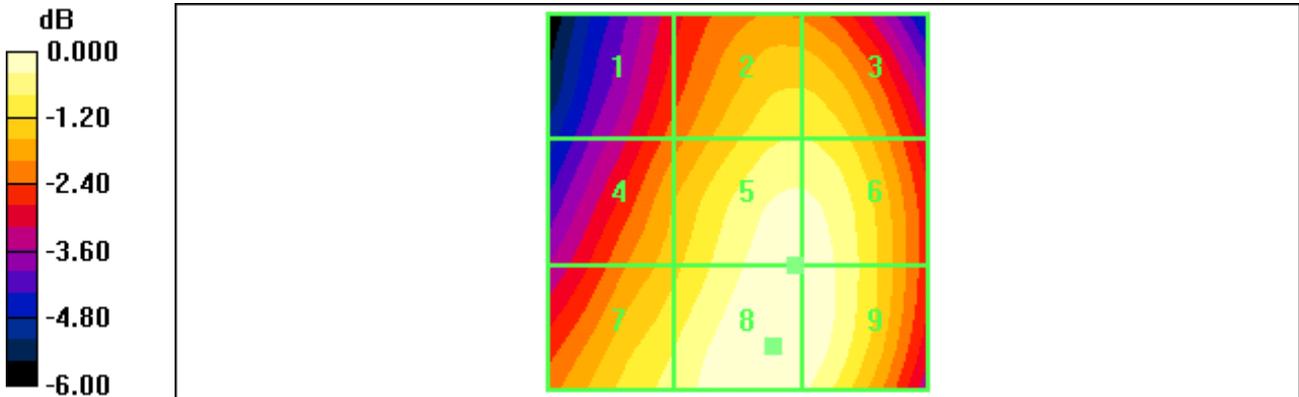
Measurement grid: dx=5mm, dy=5mm
 Maximum value of peak Total field = 77.6 V/m
 Probe Modulation Factor = 0.978
 Device Reference Point: 0.000, 0.000, 353.7 mm
 Reference Value = 96.9 V/m; Power Drift = -0.005 dB
Hearing Aid Near-Field Category: M4 (AWF 0 dB)

Peak E-field in V/m

Grid 1	Grid 2	Grid 3
60.2 M4	70.9 M4	70.8 M4
Grid 4	Grid 5	Grid 6
66.6 M4	76.6 M4	76.5 M4
Grid 7	Grid 8	Grid 9
72.2 M4	77.6 M4	77.2 M4

Cursor:

Total = 77.6 V/m
 E Category: M4
 Location: -4.5, 19, 369.9 mm



0 dB = 77.6V/m

Test Laboratory: HCT CO., LTD.

Ambient Temperature / Channel 21.6 °C /384

Test Date Jan.25, 2010

DUT: PB10ZU; Serial: #1

Communication System: CDMA 835MHz FCC; Frequency: 836.52 MHz;Duty Cycle: 1:1
 Medium parameters used: $\sigma = 0$ mho/m, $\epsilon_r = 1$; $\rho = 1000$ kg/m³
 Phantom section: E Device Section ; Measurement SW: DASY4, V4.7 Build 71; Postprocessing SW: SEMCAD, V1.8 Build 176

DASY4 Configuration:

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

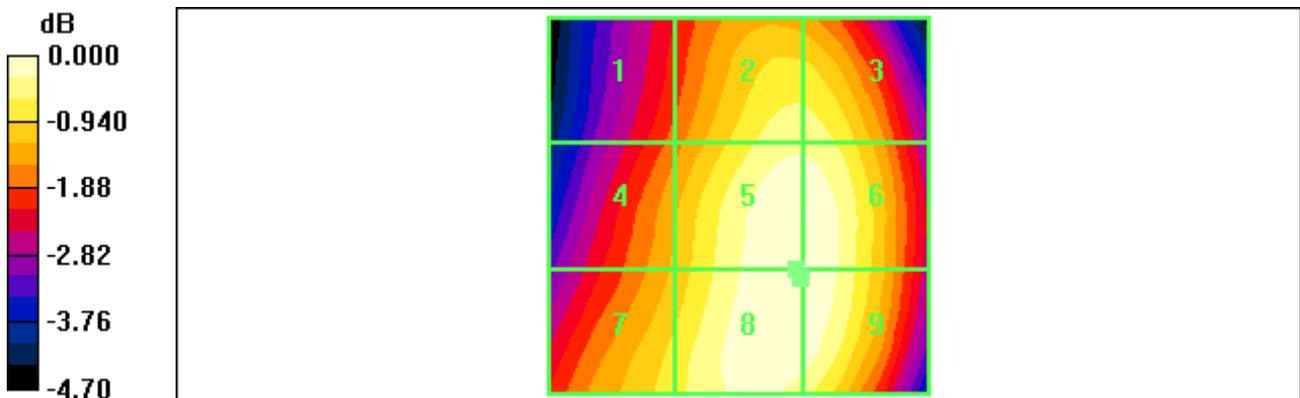
Measurement grid: dx=5mm, dy=5mm
 Maximum value of peak Total field = 76.0 V/m
 Probe Modulation Factor = 0.978
 Device Reference Point: 0.000, 0.000, 353.7 mm
 Reference Value = 100.6 V/m; Power Drift = 0.141 dB
Hearing Aid Near-Field Category: M4 (AWF 0 dB)

Peak E-field in V/m

Grid 1	Grid 2	Grid 3
62.3 M4	72.6 M4	72.6 M4
Grid 4	Grid 5	Grid 6
66.4 M4	76.0 M4	75.9 M4
Grid 7	Grid 8	Grid 9
69.7 M4	76.0 M4	76.0 M4

Cursor:

Total = 76.0 V/m
 E Category: M4
 Location: -8, 9.5, 369.9 mm



0 dB = 76.0V/m

Test Laboratory: HCT CO., LTD.

Ambient Temperature / Channel 21.6 °C /777

Test Date Jan.25, 2010

DUT: PB10ZU; Serial: #1

Communication System: CDMA 835MHz FCC; Frequency: 848.31 MHz;Duty Cycle: 1:1
 Medium parameters used: $\sigma = 0$ mho/m, $\epsilon_r = 1$; $\rho = 1000$ kg/m³
 Phantom section: E Device Section ; Measurement SW: DASY4, V4.7 Build 71; Postprocessing SW: SEMCAD, V1.8 Build 176

DASY4 Configuration:

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

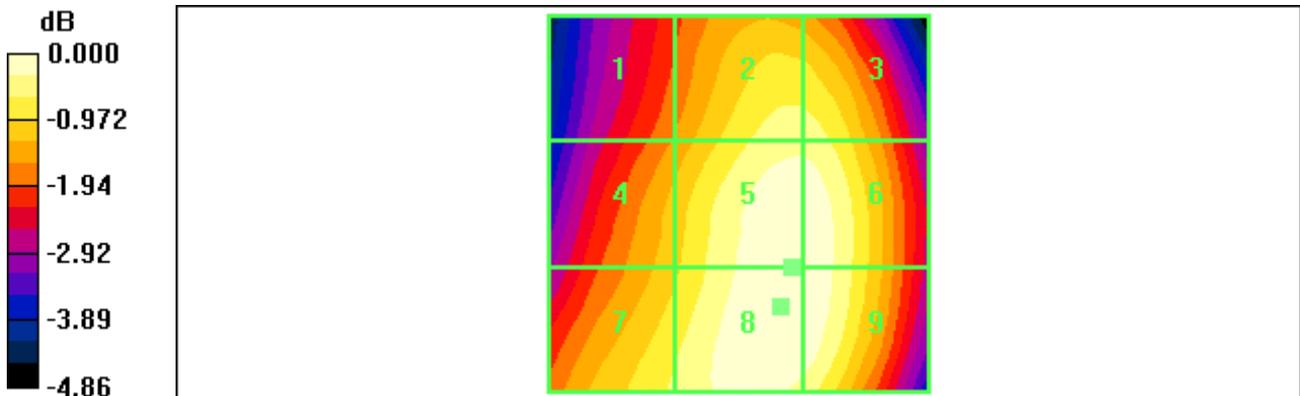
Measurement grid: dx=5mm, dy=5mm
 Maximum value of peak Total field = 74.0 V/m
 Probe Modulation Factor = 0.978
 Device Reference Point: 0.000, 0.000, 353.7 mm
 Reference Value = 98.1 V/m; Power Drift = -0.072 dB
Hearing Aid Near-Field Category: M4 (AWF 0 dB)

Peak E-field in V/m

Grid 1	Grid 2	Grid 3
61.7 M4	70.4 M4	70.3 M4
Grid 4	Grid 5	Grid 6
65.7 M4	73.9 M4	73.7 M4
Grid 7	Grid 8	Grid 9
69.1 M4	74.0 M4	73.8 M4

Cursor:

Total = 74.0 V/m
 E Category: M4
 Location: -5.5, 13.5, 369.9 mm



0 dB = 74.0V/m

Test Laboratory: HCT CO., LTD.

Ambient Temperature / Channel 21.6 °C /25

Test Date Jan.25, 2010

DUT: PB10ZU; Serial: #1

Communication System: PCS 1900MHz FCC; Frequency: 1851.25 MHz;Duty Cycle: 1:1
 Medium parameters used: $\sigma = 0$ mho/m, $\epsilon_r = 1$; $\rho = 1000$ kg/m³
 Phantom section: E Device Section ; Measurement SW: DASY4, V4.7 Build 71; Postprocessing SW: SEMCAD, V1.8 Build 176

DASY4 Configuration:

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

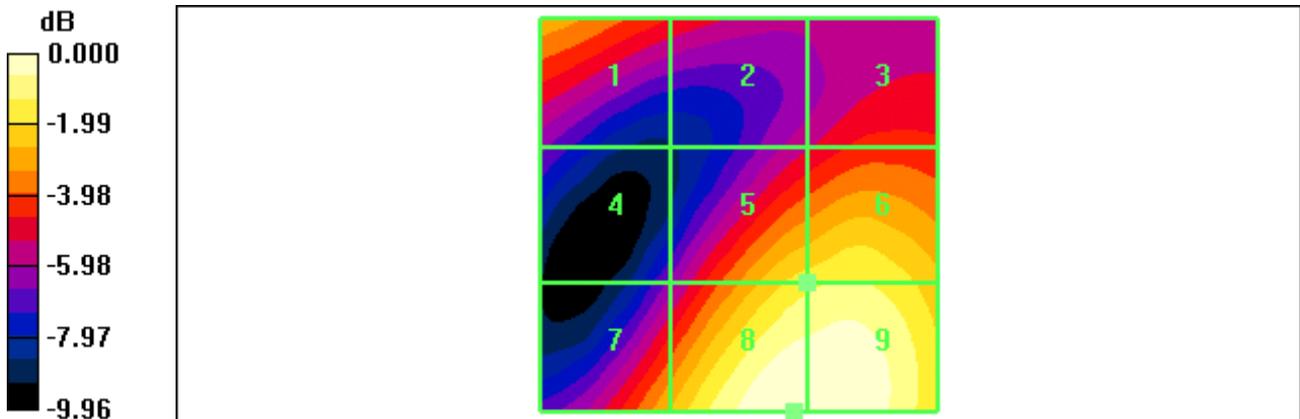
Measurement grid: dx=5mm, dy=5mm
 Maximum value of peak Total field = 47.1 V/m
 Probe Modulation Factor = 0.967
 Device Reference Point: 0.000, 0.000, 353.7 mm
 Reference Value = 30.9 V/m; Power Drift = 0.142 dB
Hearing Aid Near-Field Category: M4 (AWF 0 dB)

Peak E-field in V/m

Grid 1	Grid 2	Grid 3
34.0 M4	27.7 M4	28.7 M4
Grid 4	Grid 5	Grid 6
22.6 M4	39.1 M4	40.6 M4
Grid 7	Grid 8	Grid 9
35.1 M4	47.1 M4	47.1 M4

Cursor:

Total = 47.1 V/m
 E Category: M4
 Location: -7, 25, 369.9 mm



0 dB = 47.1V/m

Test Laboratory: HCT CO., LTD.

Ambient Temperature / Channel 21.6 °C /600

Test Date Jan.25, 2010

DUT: PB10ZU; Serial: #1

Communication System: PCS 1900MHz FCC; Frequency: 1880 MHz;Duty Cycle: 1:1
 Medium parameters used: $\sigma = 0$ mho/m, $\epsilon_r = 1$; $\rho = 1000$ kg/m³
 Phantom section: E Device Section ; Measurement SW: DASY4, V4.7 Build 71; Postprocessing SW: SEMCAD, V1.8 Build 176

DASY4 Configuration:

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

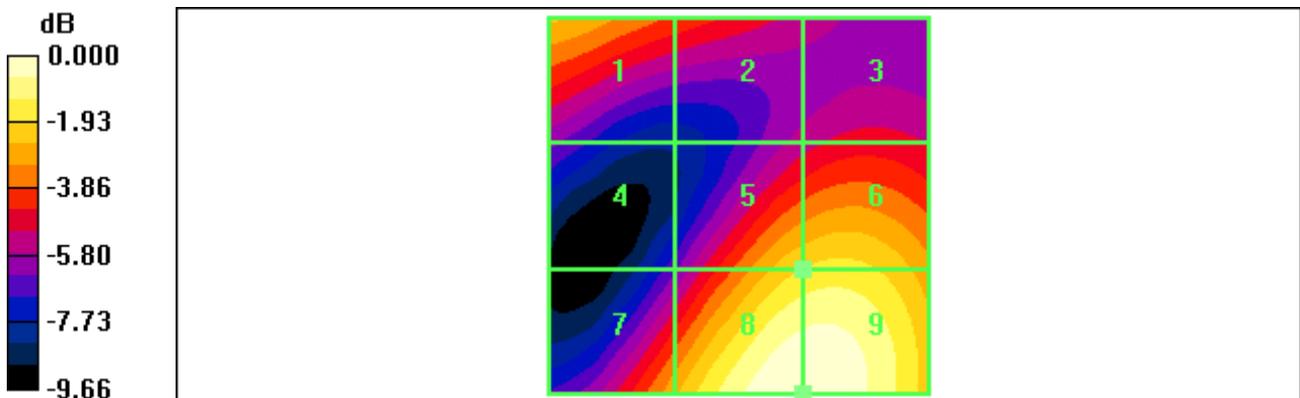
Measurement grid: dx=5mm, dy=5mm
 Maximum value of peak Total field = 46.5 V/m
 Probe Modulation Factor = 0.967
 Device Reference Point: 0.000, 0.000, 353.7 mm
 Reference Value = 30.2 V/m; Power Drift = 0.165 dB
Hearing Aid Near-Field Category: M4 (AWF 0 dB)

Peak E-field in V/m

Grid 1	Grid 2	Grid 3
35.3 M4	29.7 M4	26.6 M4
Grid 4	Grid 5	Grid 6
22.9 M4	37.4 M4	38.5 M4
Grid 7	Grid 8	Grid 9
34.1 M4	46.5 M4	46.5 M4

Cursor:

Total = 46.5 V/m
 E Category: M4
 Location: -8.5, 25, 369.9 mm



0 dB = 46.5V/m

Test Laboratory: HCT CO., LTD.

Ambient Temperature / Channel 21.6 °C /1175

Test Date Jan.25, 2010

DUT: PB10ZU; Serial: #1

Communication System: PCS 1900MHz FCC; Frequency: 1908.75 MHz;Duty Cycle: 1:1
 Medium parameters used: $\sigma = 0$ mho/m, $\epsilon_r = 1$; $\rho = 1000$ kg/m³
 Phantom section: E Device Section ; Measurement SW: DASY4, V4.7 Build 71; Postprocessing SW: SEMCAD, V1.8 Build 176

DASY4 Configuration:

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

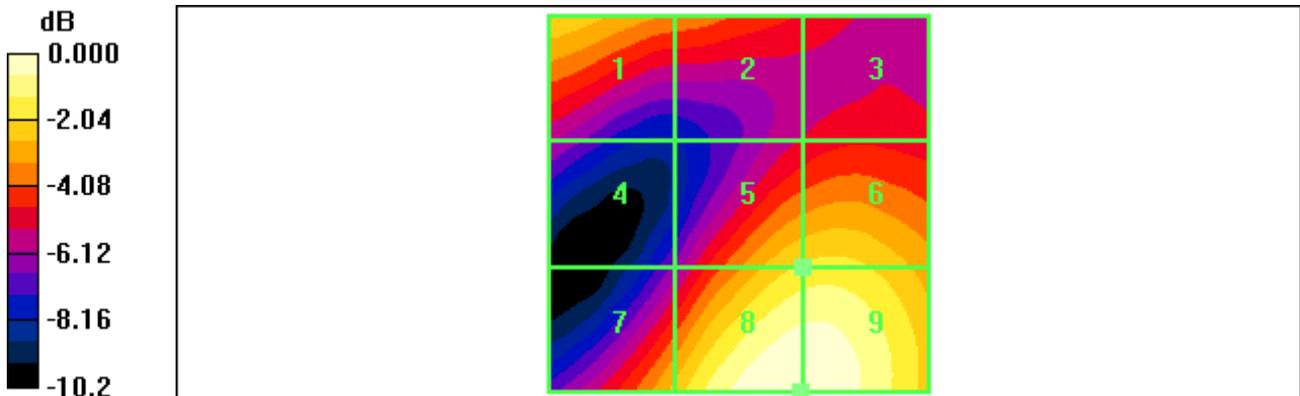
Measurement grid: dx=5mm, dy=5mm
 Maximum value of peak Total field = 49.3 V/m
 Probe Modulation Factor = 0.967
 Device Reference Point: 0.000, 0.000, 353.7 mm
 Reference Value = 31.8 V/m; Power Drift = 0.138 dB
Hearing Aid Near-Field Category: M4 (AWF 0 dB)

Peak E-field in V/m

Grid 1	Grid 2	Grid 3
39.0 M4	33.3 M4	28.3 M4
Grid 4	Grid 5	Grid 6
24.9 M4	39.7 M4	40.4 M4
Grid 7	Grid 8	Grid 9
37.2 M4	49.3 M4	49.3 M4

Cursor:

Total = 49.3 V/m
 E Category: M4
 Location: -8, 25, 369.9 mm



0 dB = 49.3V/m

Test Laboratory: HCT CO., LTD.
 Ambient Temperature / Channel 21.6 °C /1013
 Test Date Jan.25, 2010

DUT: PB10ZU; Serial: #1

Communication System: CDMA 835MHz FCC; Frequency: 824.7 MHz;Duty Cycle: 1:1
 Medium parameters used: $\sigma = 0$ mho/m, $\epsilon_r = 1$; $\rho = 1$ kg/m³
 Phantom section: H Device Section ; Measurement SW: DASY4, V4.7 Build 71; Postprocessing SW: SEMCAD, V1.8 Build 176

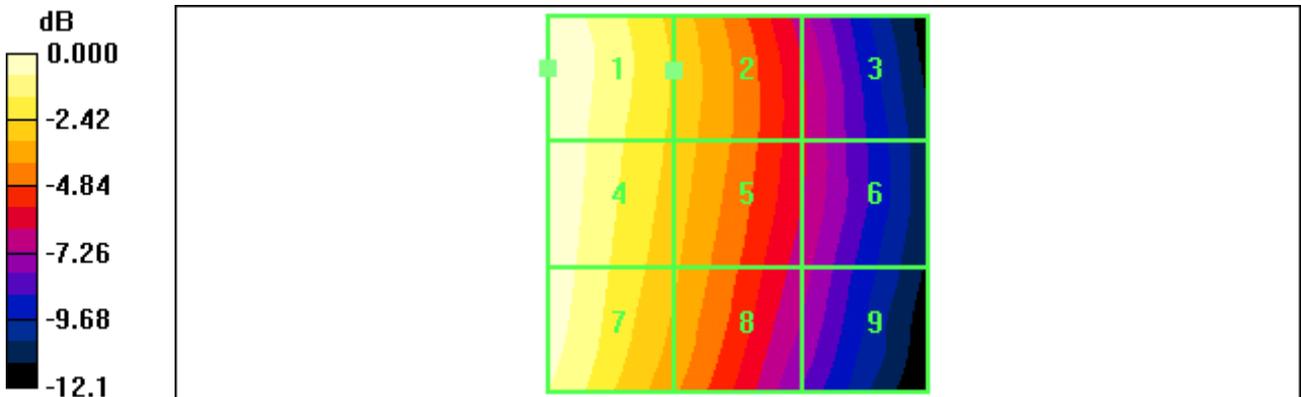
DASY4 Configuration:
 - Probe: H3DV6 - SN6101; ; Calibrated: 2009-05-22
 - Sensor-Surface: (Fix Surface)
 - Electronics: DAE3 Sn466; Calibrated: 2009-07-21
 - Phantom: HAC Test Arch; Type: SD HAC P01 BA

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 = 0.128 A/m
 Probe Modulation Factor = 0.869
 Device Reference Point: 0.000, 0.000, 353.7 mm
 Reference Value = 0.090 A/m; Power Drift = 0.096 dB
Hearing Aid Near-Field Category: M4 (AWF 0 dB)

Peak H-field in A/m

Grid 1	Grid 2	Grid 3
0.128 M4	0.096 M4	0.062 M4
Grid 4	Grid 5	Grid 6
0.127 M4	0.095 M4	0.062 M4
Grid 7	Grid 8	Grid 9
0.124 M4	0.090 M4	0.058 M4

Cursor:
 Total = 0.128 A/m
 H Category: M4
 Location: 25, -18, 369.4 mm



0 dB = 0.128A/m

Test Laboratory: HCT CO., LTD.

Ambient Temperature / Channel 21.6 °C /384

Test Date Jan.25, 2010

DUT: PB10ZU; Serial: #1

Communication System: CDMA 835MHz FCC; Frequency: 836.52 MHz;Duty Cycle: 1:1
 Medium parameters used: $\sigma = 0$ mho/m, $\epsilon_r = 1$; $\rho = 1$ kg/m³
 Phantom section: H 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):

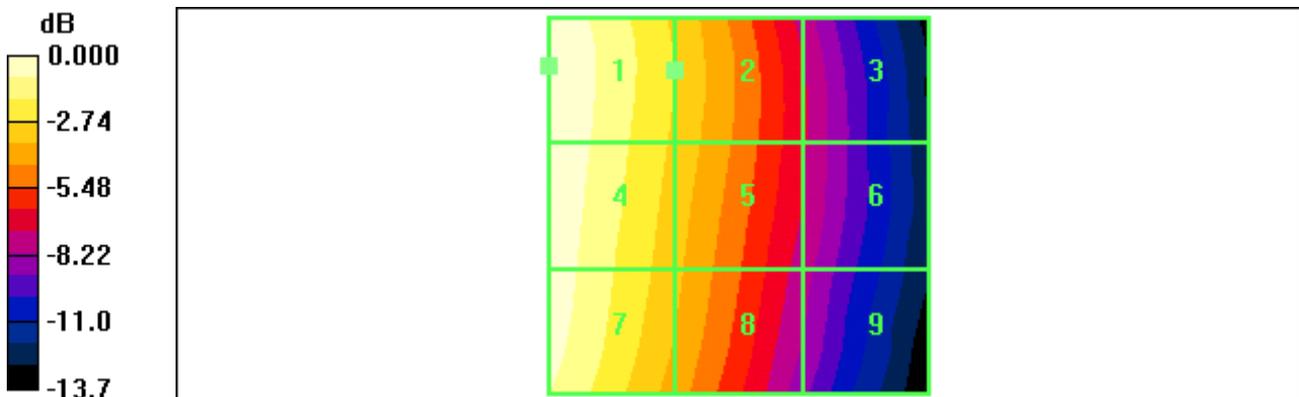
Measurement grid: dx=5mm, dy=5mm
 Maximum value of peak Total field = 0.126 A/m
 Probe Modulation Factor = 0.869
 Device Reference Point: 0.000, 0.000, 353.7 mm
 Reference Value = 0.082 A/m; Power Drift = 0.037 dB
Hearing Aid Near-Field Category: M4 (AWF 0 dB)

Peak H-field in A/m

Grid 1	Grid 2	Grid 3
0.126 M4	0.092 M4	0.055 M4
Grid 4	Grid 5	Grid 6
0.125 M4	0.090 M4	0.055 M4
Grid 7	Grid 8	Grid 9
0.122 M4	0.086 M4	0.051 M4

Cursor:

Total = 0.126 A/m
 H Category: M4
 Location: 25, -18.5, 369.4 mm



0 dB = 0.126A/m

Test Laboratory: HCT CO., LTD.

Ambient Temperature / Channel 21.6 °C /777

Test Date Jan.25, 2010

DUT: PB10ZU; Serial: #1

Communication System: CDMA 835MHz FCC; Frequency: 848.31 MHz;Duty Cycle: 1:1
 Medium parameters used: $\sigma = 0$ mho/m, $\epsilon_r = 1$; $\rho = 1$ kg/m³
 Phantom section: H 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):

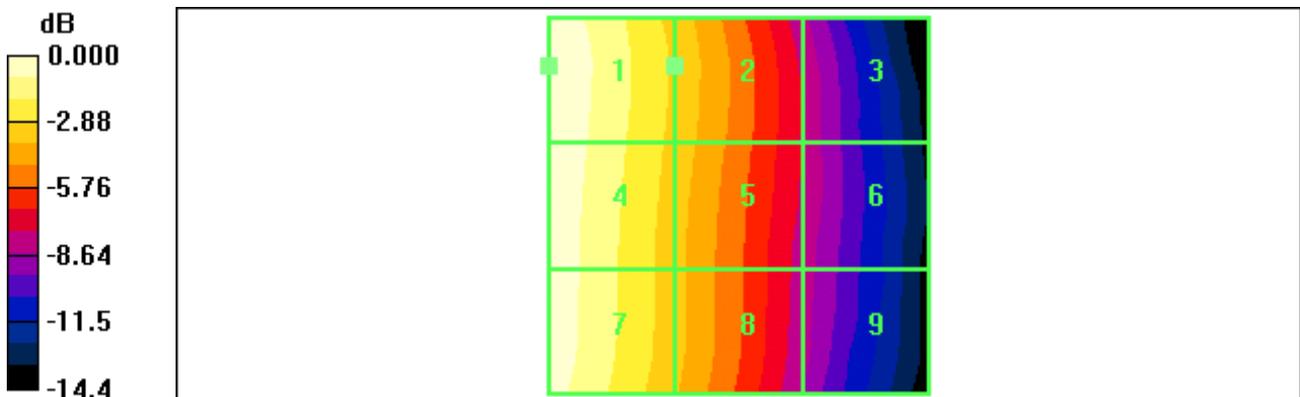
Measurement grid: dx=5mm, dy=5mm
 Maximum value of peak Total field = 0.117 A/m
 Probe Modulation Factor = 0.869
 Device Reference Point: 0.000, 0.000, 353.7 mm
 Reference Value = 0.072 A/m; Power Drift = 0.050 dB
Hearing Aid Near-Field Category: M4 (AWF 0 dB)

Peak H-field in A/m

Grid 1	Grid 2	Grid 3
0.117 M4	0.083 M4	0.048 M4
Grid 4	Grid 5	Grid 6
0.115 M4	0.081 M4	0.048 M4
Grid 7	Grid 8	Grid 9
0.113 M4	0.079 M4	0.046 M4

Cursor:

Total = 0.117 A/m
 H Category: M4
 Location: 25, -18.5, 369.4 mm



0 dB = 0.117A/m

Test Laboratory: HCT CO., LTD.

Ambient Temperature / Channel 21.6 °C /25

Test Date Jan.25, 2010

DUT: PB10ZU; Serial: #1

Communication System: PCS 1900MHz FCC; Frequency: 1851.25 MHz;Duty Cycle: 1:1
 Medium parameters used: $\sigma = 0$ mho/m, $\epsilon_r = 1$; $\rho = 1$ kg/m³
 Phantom section: H Device Section ; Measurement SW: DASY4, V4.7 Build 71; Postprocessing SW: SEMCAD, V1.8 Build 176

DASY4 Configuration:

- Probe: H3DV6 - SN6101; ; Calibrated: 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):

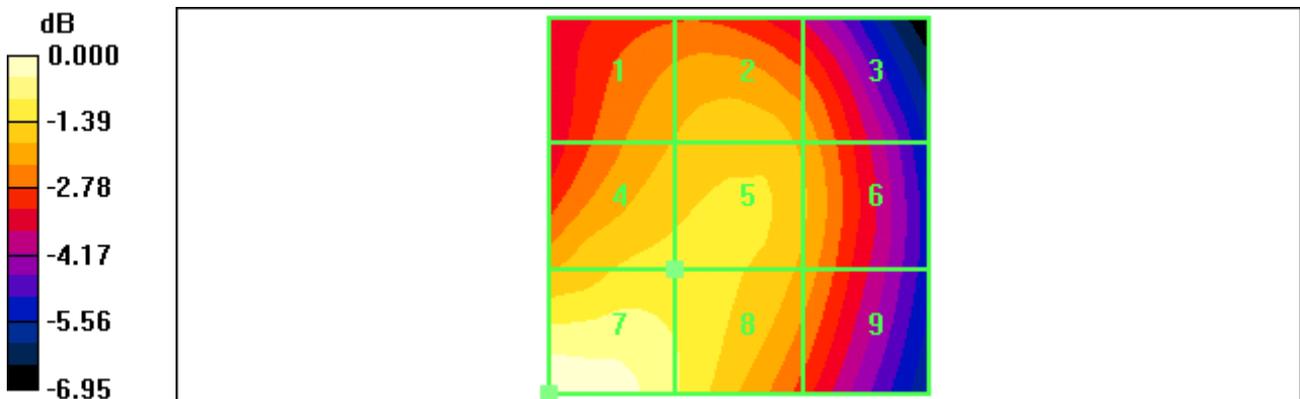
Measurement grid: dx=5mm, dy=5mm
 Maximum value of peak Total field = 0.104 A/m
 Probe Modulation Factor = 0.770
 Device Reference Point: 0.000, 0.000, 353.7 mm
 Reference Value = 0.126 A/m; Power Drift = 0.156 dB
Hearing Aid Near-Field Category: M4 (AWF 0 dB)

Peak H-field in A/m

Grid 1	Grid 2	Grid 3
0.084 M4	0.087 M4	0.083 M4
Grid 4	Grid 5	Grid 6
0.091 M4	0.091 M4	0.085 M4
Grid 7	Grid 8	Grid 9
0.104 M4	0.094 M4	0.082 M4

Cursor:

Total = 0.104 A/m
 H Category: M4
 Location: 25, 25, 369.4 mm



0 dB = 0.104A/m

Test Laboratory: HCT CO., LTD.

Ambient Temperature / Channel 21.6 °C /600

Test Date Jan.25, 2010

DUT: PB10ZU; Serial: #1

Communication System: PCS 1900MHz FCC; Frequency: 1880 MHz;Duty Cycle: 1:1
 Medium parameters used: $\sigma = 0$ mho/m, $\epsilon_r = 1$; $\rho = 1$ kg/m³
 Phantom section: H Device Section ; Measurement SW: DASY4, V4.7 Build 71; Postprocessing SW: SEMCAD, V1.8 Build 176

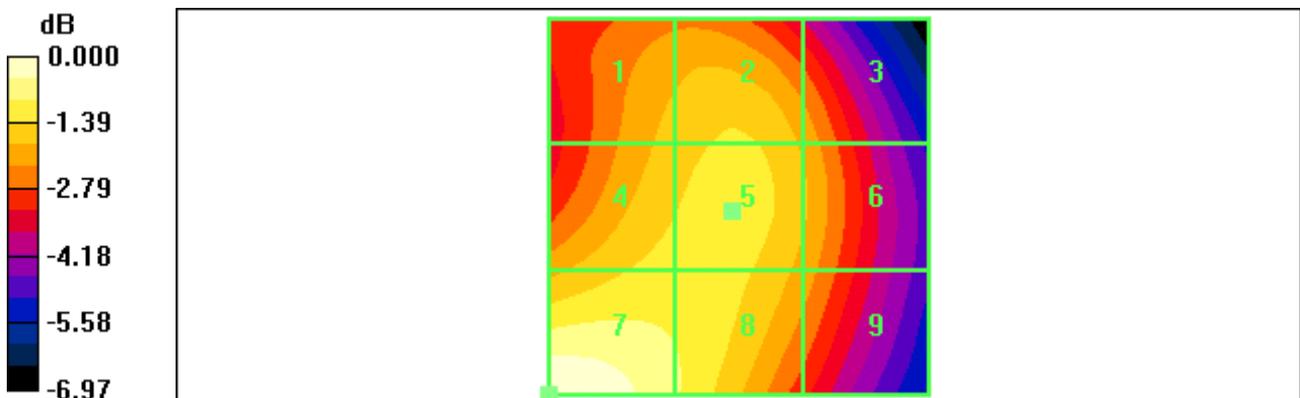
DASY4 Configuration:
 - Probe: H3DV6 - SN6101; ; Calibrated: 2009-05-22
 - Sensor-Surface: (Fix Surface)
 - Electronics: DAE3 Sn466; Calibrated: 2009-07-21
 - Phantom: HAC Test Arch; Type: SD HAC P01 BA

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 = 0.096 A/m
 Probe Modulation Factor = 0.770
 Device Reference Point: 0.000, 0.000, 353.7 mm
 Reference Value = 0.120 A/m; Power Drift = 0.057 dB
Hearing Aid Near-Field Category: M4 (AWF 0 dB)

Peak H-field in A/m

Grid 1	Grid 2	Grid 3
0.079 M4	0.082 M4	0.077 M4
Grid 4	Grid 5	Grid 6
0.084 M4	0.084 M4	0.078 M4
Grid 7	Grid 8	Grid 9
0.096 M4	0.087 M4	0.076 M4

Cursor:
 Total = 0.096 A/m
 H Category: M4
 Location: 25, 25, 369.4 mm



0 dB = 0.096A/m

Test Laboratory: HCT CO., LTD.
 Ambient Temperature / Channel 21.6 °C /1175
 Test Date Jan.25, 2010

DUT: PB10ZU; Serial: #1

Communication System: PCS 1900MHz FCC; Frequency: 1908.75 MHz;Duty Cycle: 1:1
 Medium parameters used: $\sigma = 0$ mho/m, $\epsilon_r = 1$; $\rho = 1$ kg/m³
 Phantom section: H Device Section ; Measurement SW: DASY4, V4.7 Build 71; Postprocessing SW: SEMCAD, V1.8 Build 176

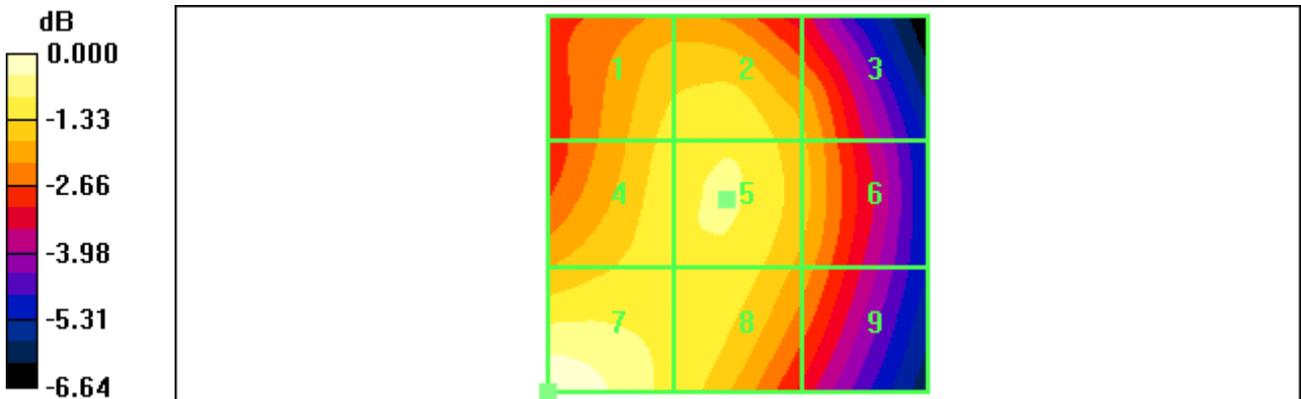
DASY4 Configuration:
 - Probe: H3DV6 - SN6101; ; Calibrated: 2009-05-22
 - Sensor-Surface: (Fix Surface)
 - Electronics: DAE3 Sn466; Calibrated: 2009-07-21
 - Phantom: HAC Test Arch; Type: SD HAC P01 BA

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 = 0.102 A/m
 Probe Modulation Factor = 0.770
 Device Reference Point: 0.000, 0.000, 353.7 mm
 Reference Value = 0.131 A/m; Power Drift = 0.092 dB
Hearing Aid Near-Field Category: M4 (AWF 0 dB)

Peak H-field in A/m

Grid 1	Grid 2	Grid 3
0.089 M4	0.091 M4	0.084 M4
Grid 4	Grid 5	Grid 6
0.091 M4	0.093 M4	0.085 M4
Grid 7	Grid 8	Grid 9
0.102 M4	0.092 M4	0.081 M4

Cursor:
 Total = 0.102 A/m
 H Category: M4
 Location: 25, 25, 369.4 mm



0 dB = 0.102A/m