

APPENDIX A. HAC TEST PLOTS

Test Laboratory: HCT CO., LTD.

Ambient Temperature / Channel 21.5 °C /128

Test Date Nov.17, 2010

DUT: P8000; 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 184

DASY4 Configuration:

- Probe: ER3DV6 - SN2343; ConvF(1, 1, 1); Calibrated: 2010-05-20
- Sensor-Surface: (Fix Surface)
- Electronics: DAE3 Sn466; Calibrated: 2010-07-21
- 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 = 161.7 V/m

Probe Modulation Factor = 2.64

Device Reference Point: 0.000, 0.000, 353.7 mm

Reference Value = 83.2 V/m; Power Drift = 0.061 dB

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

Peak E-field in V/m

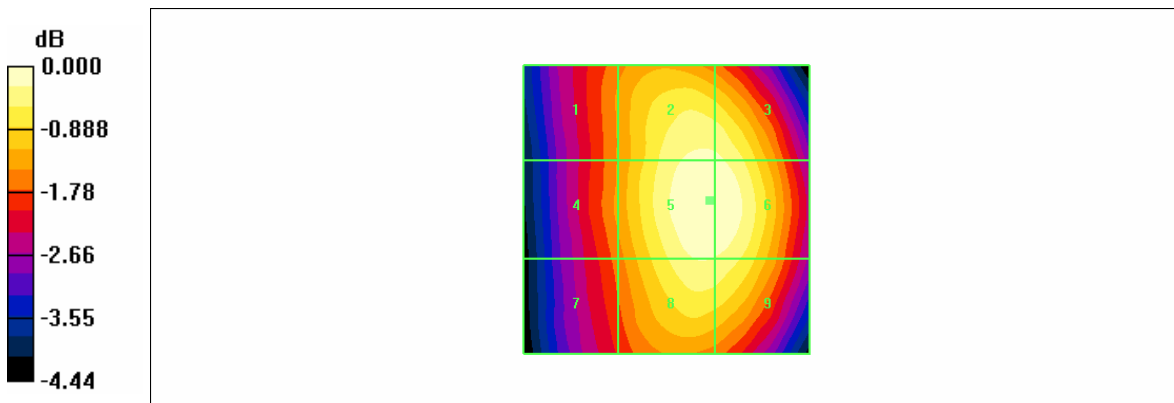
Grid 1	Grid 2	Grid 3
137.3 M4	158.1 M3	157.8 M3
Grid 4	Grid 5	Grid 6
138.0 M4	161.7 M3	161.5 M3
Grid 7	Grid 8	Grid 9
134.2 M4	156.7 M3	156.0 M3

Cursor:

Total = 161.7 V/m

E Category: M3

Location: -7.5, -1.5, 369.9 mm



0 dB = 161.7V/m

Test Laboratory: HCT CO., LTD.
 Ambient Temperature / Channel 21.5 °C /190
 Test Date Nov.17, 2010

DUT: P8000; 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 184

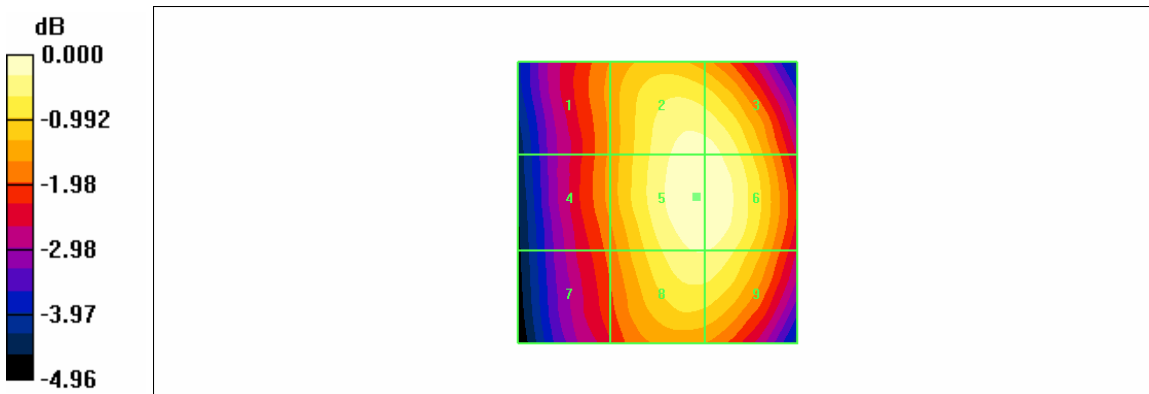
DASY4 Configuration:
 - Probe: ER3DV6 - SN2343; ConvF(1, 1, 1); Calibrated: 2010-05-20
 - Sensor-Surface: (Fix Surface)
 - Electronics: DAE3 Sn466; Calibrated: 2010-07-21
 - Phantom: HAC Test Arch; Type: SD HAC P01 BA

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 = 161.2 V/m
 Probe Modulation Factor = 2.64
 Device Reference Point: 0.000, 0.000, 353.7 mm
 Reference Value = 81.6 V/m; Power Drift = 0.073 dB
Hearing Aid Near-Field Category: M3 (AWF -5 dB)

Peak E-field in V/m

Grid 1	Grid 2	Grid 3
135.3 M4	158.3 M3	158.1 M3
Grid 4	Grid 5	Grid 6
135.4 M4	161.2 M3	161.0 M3
Grid 7	Grid 8	Grid 9
130.5 M4	155.6 M3	155.5 M3

Cursor:
 Total = 161.2 V/m
 E Category: M3
 Location: -7, -1, 369.9 mm



0 dB = 161.2V/m

Test Laboratory: HCT CO., LTD.

Ambient Temperature / Channel 21.5 °C /251

Test Date Nov.17, 2010

DUT: P8000; 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 184

DASY4 Configuration:

- Probe: ER3DV6 - SN2343; ConvF(1, 1, 1); Calibrated: 2010-05-20
- Sensor-Surface: (Fix Surface)
- Electronics: DAE3 Sn466; Calibrated: 2010-07-21
- 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 = 145.7 V/m

Probe Modulation Factor = 2.64

Device Reference Point: 0.000, 0.000, 353.7 mm

Reference Value = 72.7 V/m; Power Drift = 0.094 dB

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

Peak E-field in V/m

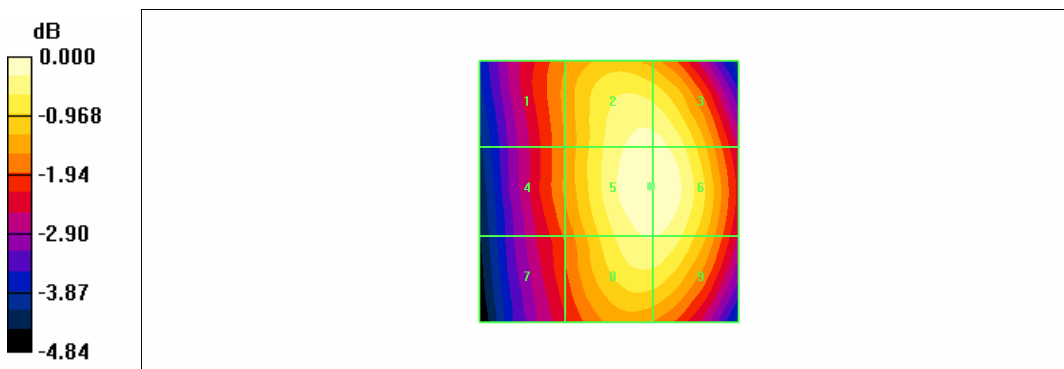
Grid 1	Grid 2	Grid 3
122.5 M4	142.8 M4	142.7 M4
Grid 4	Grid 5	Grid 6
122.0 M4	145.7 M4	145.7 M4
Grid 7	Grid 8	Grid 9
117.5 M4	140.8 M4	140.8 M4

Cursor:

Total = 145.7 V/m

E Category: M4

Location: -8, -1, 369.9 mm



0 dB = 145.7V/m

Test Laboratory: HCT CO., LTD.
 Ambient Temperature / Channel 21.5 °C /512
 Test Date Nov.17, 2010

DUT: P8000; 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 184

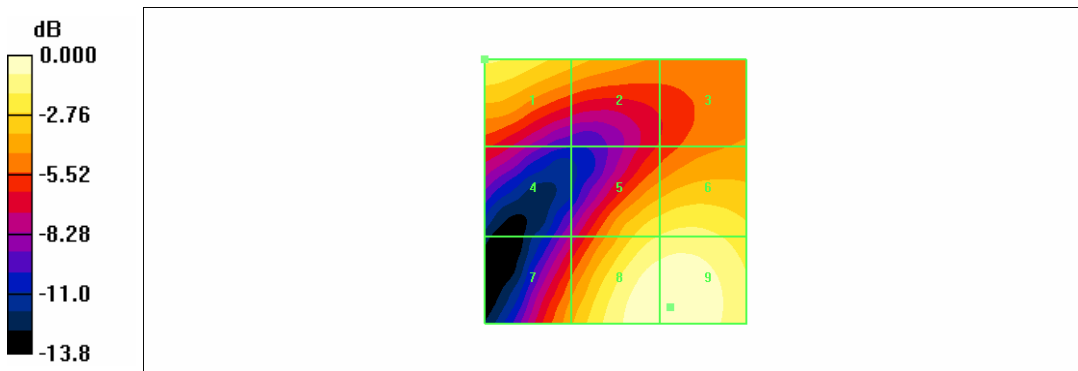
DASY4 Configuration:
 - Probe: ER3DV6 - SN2343; ConvF(1, 1, 1); Calibrated: 2010-05-20
 - Sensor-Surface: (Fix Surface)
 - Electronics: DAE3 Sn466; Calibrated: 2010-07-21
 - Phantom: HAC Test Arch; Type: SD HAC P01 BA

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 = 63.0 V/m
 Probe Modulation Factor = 2.61
 Device Reference Point: 0.000, 0.000, 353.7 mm
 Reference Value = 14.6 V/m; Power Drift = -0.082 dB
Hearing Aid Near-Field Category: M3 (AWF -5 dB)

Peak E-field in V/m

Grid 1	Grid 2	Grid 3
51.9 M3	43.4 M4	37.8 M4
Grid 4	Grid 5	Grid 6
30.7 M4	51.3 M3	53.1 M3
Grid 7	Grid 8	Grid 9
40.5 M4	62.6 M3	63.0 M3

Cursor:
 Total = 63.0 V/m
 E Category: M3
 Location: -10.5, 22, 369.9 mm



0 dB = 63.0V/m

Test Laboratory: HCT CO., LTD.

Ambient Temperature / Channel 21.5 °C /661

Test Date Nov.17, 2010

DUT: P8000; 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 184

DASY4 Configuration:

- Probe: ER3DV6 - SN2343; ConvF(1, 1, 1); Calibrated: 2010-05-20
- Sensor-Surface: (Fix Surface)
- Electronics: DAE3 Sn466; Calibrated: 2010-07-21
- 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 = 53.7 V/m

Probe Modulation Factor = 2.61

Device Reference Point: 0.000, 0.000, 353.7 mm

Reference Value = 11.0 V/m; Power Drift = -0.055 dB

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

Peak E-field in V/m

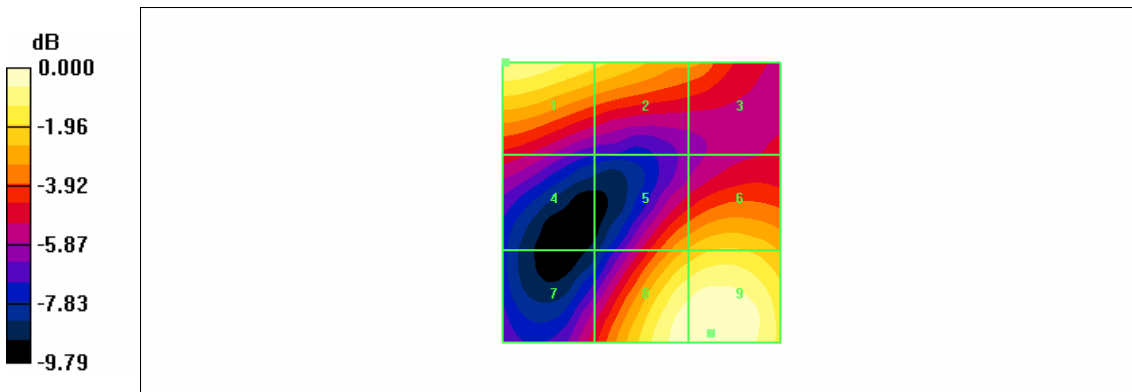
Grid 1	Grid 2	Grid 3
49.7 M3	44.0 M4	38.0 M4
Grid 4	Grid 5	Grid 6
31.0 M4	40.3 M4	43.4 M4
Grid 7	Grid 8	Grid 9
30.9 M4	52.6 M3	53.7 M3

Cursor:

Total = 53.7 V/m

E Category: M3

Location: -12.5, 23.5, 369.9 mm



0 dB = 53.7V/m

Test Laboratory: HCT CO., LTD.
 Ambient Temperature / Channel 21.5 °C /810
 Test Date Nov.17, 2010

DUT: P8000; 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 184

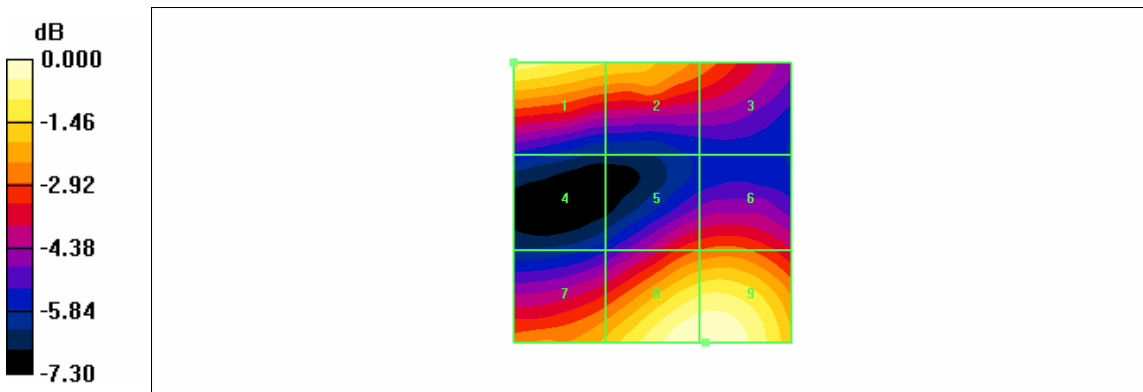
DASY4 Configuration:
 - Probe: ER3DV6 - SN2343; ConvF(1, 1, 1); Calibrated: 2010-05-20
 - Sensor-Surface: (Fix Surface)
 - Electronics: DAE3 Sn466; Calibrated: 2010-07-21
 - Phantom: HAC Test Arch; Type: SD HAC P01 BA

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 = 45.5 V/m
 Probe Modulation Factor = 2.61
 Device Reference Point: 0.000, 0.000, 353.7 mm
 Reference Value = 10.8 V/m; Power Drift = -0.052 dB
Hearing Aid Near-Field Category: M4 (AWF -5 dB)

Peak E-field in V/m

Grid 1 42.0 M4	Grid 2 38.6 M4	Grid 3 33.9 M4
Grid 4 24.4 M4	Grid 5 32.6 M4	Grid 6 33.3 M4
Grid 7 36.9 M4	Grid 8 45.4 M4	Grid 9 45.5 M4

Cursor:
 Total = 45.5 V/m
 E Category: M4
 Location: -9.5, 25, 369.9 mm



0 dB = 45.5V/m

Test Laboratory: HCT CO., LTD.
 Ambient Temperature / Channel 21.5 °C /128
 Test Date Nov.17, 2010

DUT: P8000; 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 184

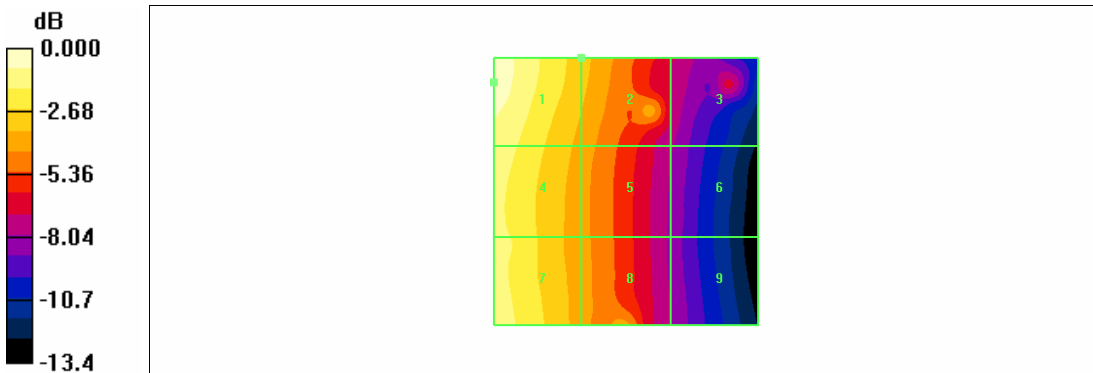
DASY4 Configuration:
 - Probe: H3DV6 - SN6101; ; Calibrated: 2010-05-27
 - Sensor-Surface: (Fix Surface)
 - Electronics: DAE3 Sn466; Calibrated: 2010-07-21
 - Phantom: HAC Test Arch; Type: SD HAC P01 BA

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 = 0.285 A/m
 Probe Modulation Factor = 2.11
 Device Reference Point: 0.000, 0.000, 353.7 mm
 Reference Value = 0.072 A/m; Power Drift = -0.026 dB
Hearing Aid Near-Field Category: M4 (AWF -5 dB)

Peak H-field in A/m

Grid 1 0.285 M4	Grid 2 0.198 M4	Grid 3 0.129 M4
Grid 4 0.250 M4	Grid 5 0.182 M4	Grid 6 0.115 M4
Grid 7 0.249 M4	Grid 8 0.180 M4	Grid 9 0.114 M4

Cursor:
 Total = 0.285 A/m
 H Category: M4
 Location: 25, -20.5, 369.4 mm



0 dB = 0.285A/m

Test Laboratory: HCT CO., LTD.
 Ambient Temperature / Channel 21.5 °C /190
 Test Date Nov.17, 2010

DUT: P8000; 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 184

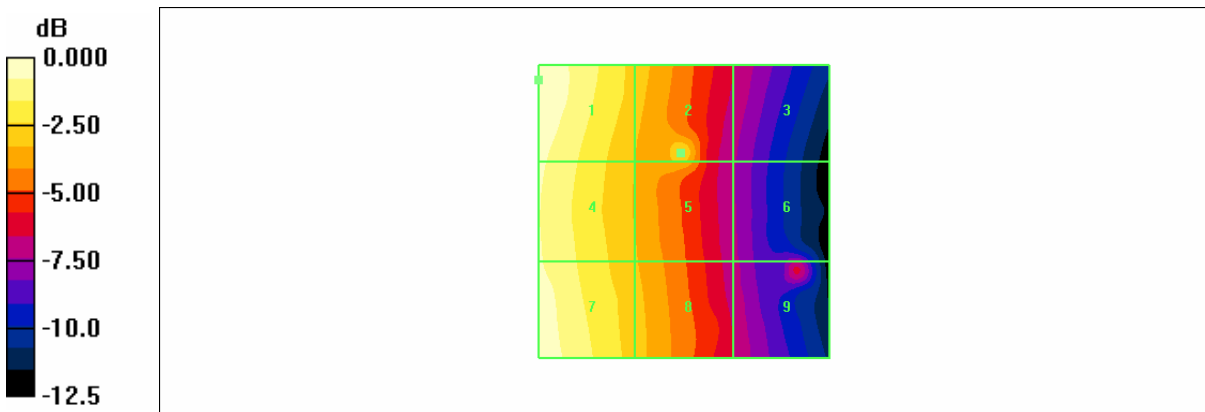
DASY4 Configuration:
 - Probe: H3DV6 - SN6101; ; Calibrated: 2010-05-27
 - Sensor-Surface: (Fix Surface)
 - Electronics: DAE3 Sn466; Calibrated: 2010-07-21
 - Phantom: HAC Test Arch; Type: SD HAC P01 BA

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 = 0.271 A/m
 Probe Modulation Factor = 2.11
 Device Reference Point: 0.000, 0.000, 353.7 mm
 Reference Value = 0.075 A/m; Power Drift = 3.44 dB
Hearing Aid Near-Field Category: M4 (AWF -5 dB)

Peak H-field in A/m

Grid 1 0.271 M4	Grid 2 0.200 M4	Grid 3 0.127 M4
Grid 4 0.251 M4	Grid 5 0.188 M4	Grid 6 0.118 M4
Grid 7 0.266 M4	Grid 8 0.194 M4	Grid 9 0.129 M4

Cursor:
 Total = 0.271 A/m
 H Category: M4
 Location: 25, -22.5, 369.4 mm



0 dB = 0.271A/m

Test Laboratory: HCT CO., LTD.
 Ambient Temperature / Channel 21.5 °C /251
 Test Date Nov.17, 2010

DUT: P8000; 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 184

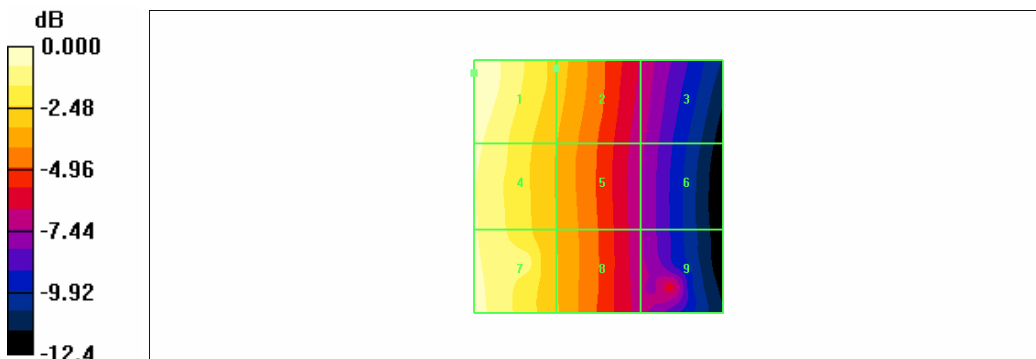
DASY4 Configuration:
 - Probe: H3DV6 - SN6101; ; Calibrated: 2010-05-27
 - Sensor-Surface: (Fix Surface)
 - Electronics: DAE3 Sn466; Calibrated: 2010-07-21
 - Phantom: HAC Test Arch; Type: SD HAC P01 BA

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 = 0.251 A/m
 Probe Modulation Factor = 2.11
 Device Reference Point: 0.000, 0.000, 353.7 mm
 Reference Value = 0.070 A/m; Power Drift = 0.061 dB
Hearing Aid Near-Field Category: M4 (AWF -5 dB)

Peak H-field in A/m

Grid 1	Grid 2	Grid 3
0.251 M4	0.181 M4	0.116 M4
Grid 4	Grid 5	Grid 6
0.235 M4	0.172 M4	0.110 M4
Grid 7	Grid 8	Grid 9
0.238 M4	0.174 M4	0.121 M4

Cursor:
 Total = 0.251 A/m
 H Category: M4
 Location: 25, -22.5, 369.4 mm



0 dB = 0.251A/m

Test Laboratory: HCT CO., LTD.
 Ambient Temperature / Channel 21.5 °C /512
 Test Date Nov.17, 2010

DUT: P8000; 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 184

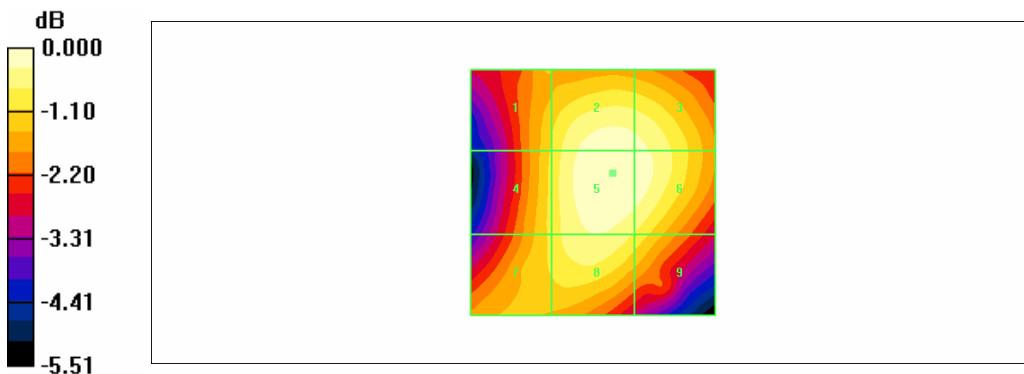
DASY4 Configuration:
 - Probe: H3DV6 - SN6101; ; Calibrated: 2010-05-27
 - Sensor-Surface: (Fix Surface)
 - Electronics: DAE3 Sn466; Calibrated: 2010-07-21
 - Phantom: HAC Test Arch; Type: SD HAC P01 BA

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 = 0.163 A/m
 Probe Modulation Factor = 2.27
 Device Reference Point: 0.000, 0.000, 353.7 mm
 Reference Value = 0.083 A/m; Power Drift = 0.098 dB
Hearing Aid Near-Field Category: M3 (AWF -5 dB)

Peak H-field in A/m

Grid 1	Grid 2	Grid 3
0.145 M3	0.162 M3	0.159 M3
Grid 4	Grid 5	Grid 6
0.146 M3	0.163 M3	0.161 M3
Grid 7	Grid 8	Grid 9
0.146 M3	0.156 M3	0.149 M3

Cursor:
 Total = 0.163 A/m
 H Category: M3
 Location: -4, -4, 369.4 mm



0 dB = 0.163A/m

Test Laboratory: HCT CO., LTD.
 Ambient Temperature / Channel 21.5 °C /661
 Test Date Nov.17, 2010

DUT: P8000; 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 184

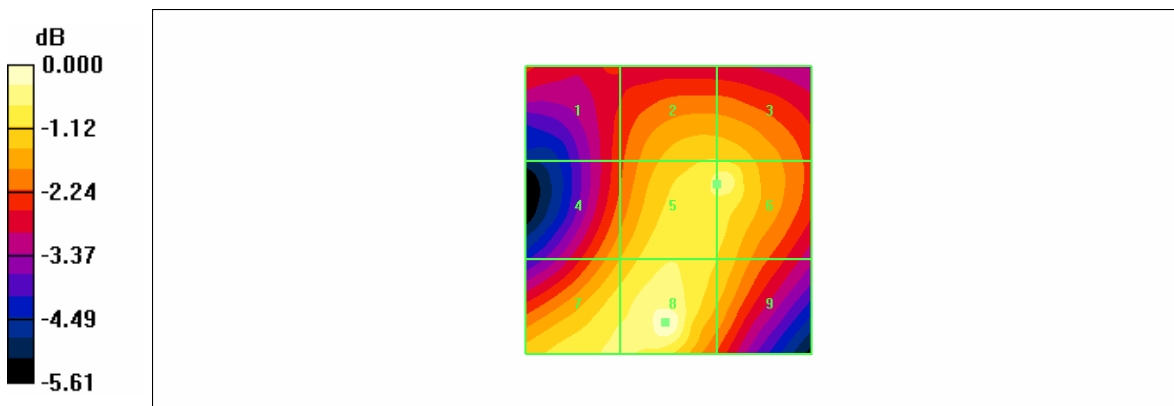
DASY4 Configuration:
 - Probe: H3DV6 - SN6101; ; Calibrated: 2010-05-27
 - Sensor-Surface: (Fix Surface)
 - Electronics: DAE3 Sn466; Calibrated: 2010-07-21
 - Phantom: HAC Test Arch; Type: SD HAC P01 BA

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 = 0.138 A/m
 Probe Modulation Factor = 2.27
 Device Reference Point: 0.000, 0.000, 353.7 mm
 Reference Value = 0.064 A/m; Power Drift = -0.039 dB
Hearing Aid Near-Field Category: M4 (AWF -5 dB)

Peak H-field in A/m

Grid 1 0.105 M4	Grid 2 0.122 M4	Grid 3 0.122 M4
Grid 4 0.116 M4	Grid 5 0.129 M4	Grid 6 0.130 M4
Grid 7 0.127 M4	Grid 8 0.138 M4	Grid 9 0.121 M4

Cursor:
 Total = 0.138 A/m
 H Category: M4
 Location: 0.5, 19.5, 369.4 mm



0 dB = 0.138A/m

Test Laboratory: HCT CO., LTD.

Ambient Temperature / Channel 21.5 °C /810

Test Date Nov.17, 2010

DUT: P8000; 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 184

DASY4 Configuration:

- Probe: H3DV6 - SN6101; ; Calibrated: 2010-05-27
- Sensor-Surface: (Fix Surface)
- Electronics: DAE3 Sn466; Calibrated: 2010-07-21
- 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 = 2.27

Device Reference Point: 0.000, 0.000, 353.7 mm

Reference Value = 0.052 A/m; Power Drift = 0.029 dB

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

Peak H-field in A/m

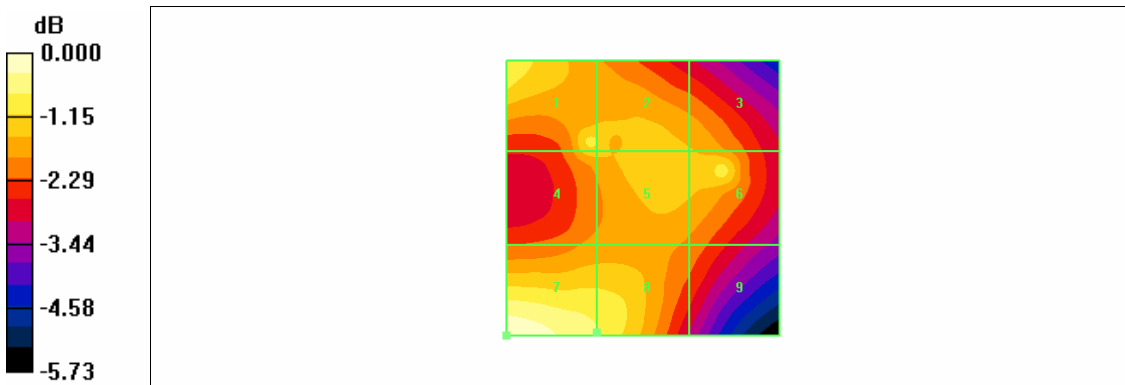
Grid 1	Grid 2	Grid 3
0.110 M4	0.105 M4	0.101 M4
Grid 4	Grid 5	Grid 6
0.104 M4	0.103 M4	0.107 M4
Grid 7	Grid 8	Grid 9
0.120 M4	0.110 M4	0.095 M4

Cursor:

Total = 0.120 A/m

H Category: M4

Location: 25, 25, 369.4 mm



0 dB = 0.120A/m

Test Laboratory: HCT CO., LTD.
 Ambient Temperature / Channel 21.5 °C /4132
 Test Date Nov.17, 2010

DUT: P8000; 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 184

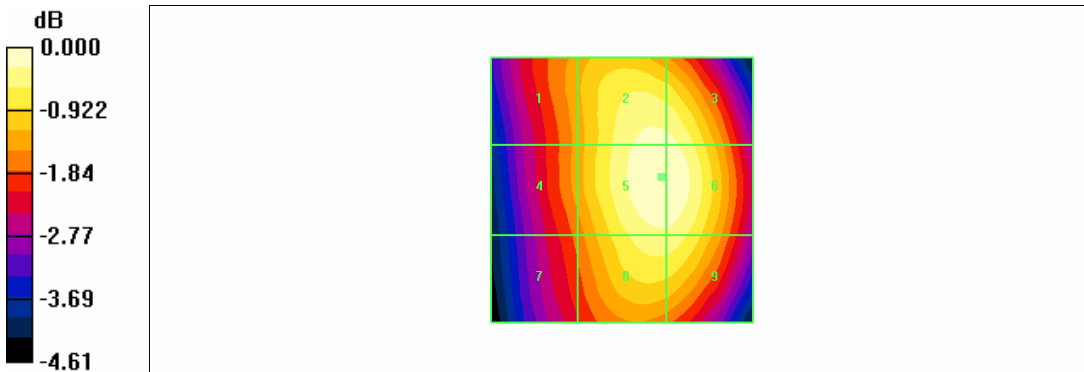
DASY4 Configuration:
 - Probe: ER3DV6 - SN2343; ConvF(1, 1, 1); Calibrated: 2010-05-20
 - Sensor-Surface: (Fix Surface)
 - Electronics: DAE3 Sn466; Calibrated: 2010-07-21
 - Phantom: HAC Test Arch; Type: SD HAC P01 BA

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 = 42.8 V/m
 Probe Modulation Factor = 0.781
 Device Reference Point: 0.000, 0.000, 353.7 mm
 Reference Value = 73.9 V/m; Power Drift = 0.004 dB
Hearing Aid Near-Field Category: M4 (AWF 0 dB)

Peak E-field in V/m

Grid 1	Grid 2	Grid 3
36.9 M4	42.0 M4	41.9 M4
Grid 4	Grid 5	Grid 6
36.6 M4	42.8 M4	42.8 M4
Grid 7	Grid 8	Grid 9
35.2 M4	41.0 M4	41.0 M4

Cursor:
 Total = 42.8 V/m
 E Category: M4
 Location: -7.5, -2.5, 369.9 mm



0 dB = 42.8V/m

Test Laboratory: HCT CO., LTD.
 Ambient Temperature / Channel 21.5 °C /4183
 Test Date Nov.17, 2010

DUT: P8000; 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 184

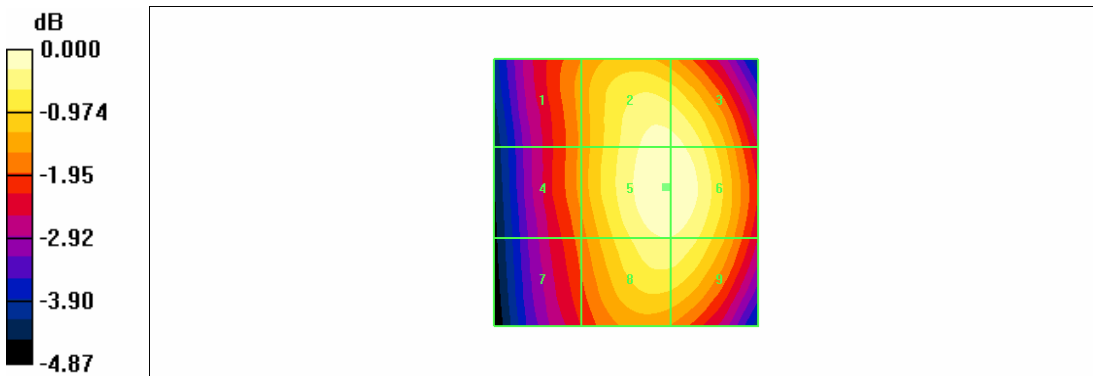
DASY4 Configuration:
 - Probe: ER3DV6 - SN2343; ConvF(1, 1, 1); Calibrated: 2010-05-20
 - Sensor-Surface: (Fix Surface)
 - Electronics: DAE3 Sn466; Calibrated: 2010-07-21
 - Phantom: HAC Test Arch; Type: SD HAC P01 BA

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 = 50.8 V/m
 Probe Modulation Factor = 0.781
 Device Reference Point: 0.000, 0.000, 353.7 mm
 Reference Value = 85.9 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
42.9 M4	49.9 M4	49.8 M4
Grid 4	Grid 5	Grid 6
42.8 M4	50.8 M4	50.7 M4
Grid 7	Grid 8	Grid 9
41.4 M4	48.9 M4	48.9 M4

Cursor:
 Total = 50.8 V/m
 E Category: M4
 Location: -7.5, -1, 369.9 mm



0 dB = 50.8V/m

Test Laboratory: HCT CO., LTD.
 Ambient Temperature / Channel 21.5 °C /4233
 Test Date Nov.17, 2010

DUT: P8000; 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 184

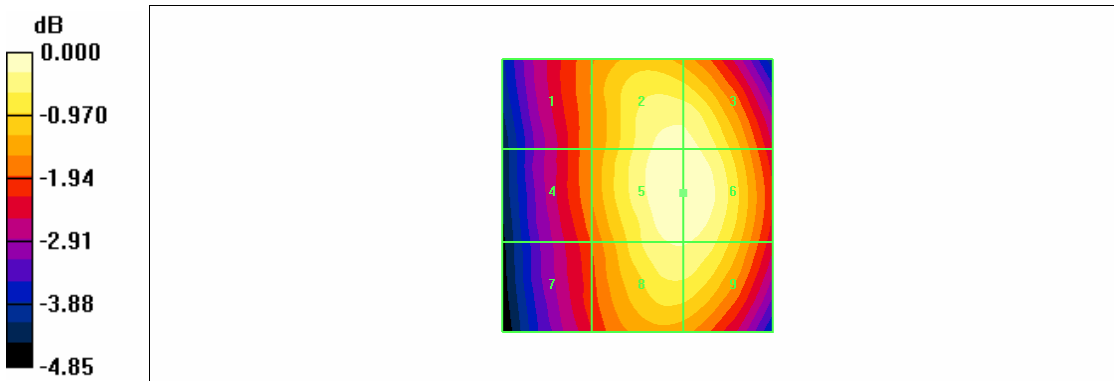
DASY4 Configuration:
 - Probe: ER3DV6 - SN2343; ConvF(1, 1, 1); Calibrated: 2010-05-20
 - Sensor-Surface: (Fix Surface)
 - Electronics: DAE3 Sn466; Calibrated: 2010-07-21
 - Phantom: HAC Test Arch; Type: SD HAC P01 BA

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 = 46.1 V/m
 Probe Modulation Factor = 0.781
 Device Reference Point: 0.000, 0.000, 353.7 mm
 Reference Value = 77.2 V/m; Power Drift = 0.104 dB
Hearing Aid Near-Field Category: M4 (AWF 0 dB)

Peak E-field in V/m

Grid 1	Grid 2	Grid 3
38.4 M4	45.3 M4	45.2 M4
Grid 4	Grid 5	Grid 6
38.4 M4	46.1 M4	46.1 M4
Grid 7	Grid 8	Grid 9
37.0 M4	44.6 M4	44.6 M4

Cursor:
 Total = 46.1 V/m
 E Category: M4
 Location: -8.5, -0.5, 369.9 mm



0 dB = 46.1V/m

Test Laboratory: HCT CO., LTD.

Ambient Temperature / Channel 21.5 °C /9262

Test Date Nov.17, 2010

DUT: P8000; 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 184

DASY4 Configuration:

- Probe: ER3DV6 - SN2343; ConvF(1, 1, 1); Calibrated: 2010-05-20

- Sensor-Surface: (Fix Surface)

- Electronics: DAE3 Sn466; Calibrated: 2010-07-21

- 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 = 24.4 V/m

Probe Modulation Factor = 0.834

Device Reference Point: 0.000, 0.000, 353.7 mm

Reference Value = 16.0 V/m; Power Drift = -0.077 dB

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

Peak E-field in V/m

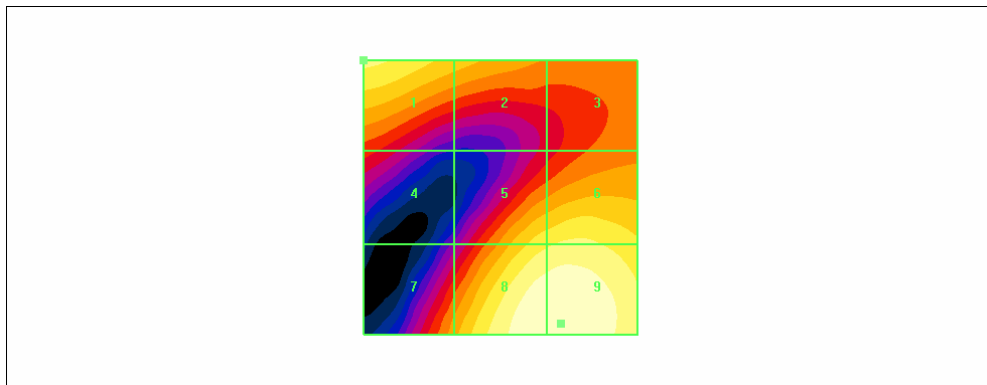
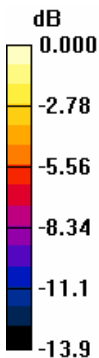
Grid 1	Grid 2	Grid 3
20.3 M4	16.9 M4	14.2 M4
Grid 4	Grid 5	Grid 6
12.2 M4	19.3 M4	20.2 M4
Grid 7	Grid 8	Grid 9
15.3 M4	24.3 M4	24.4 M4

Cursor:

Total = 24.4 V/m

E Category: M4

Location: -11, 23, 369.9 mm



0 dB = 24.4V/m

Test Laboratory: HCT CO., LTD.
 Ambient Temperature / Channel 21.5 °C /9400
 Test Date Nov.17, 2010

DUT: P8000; 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 184

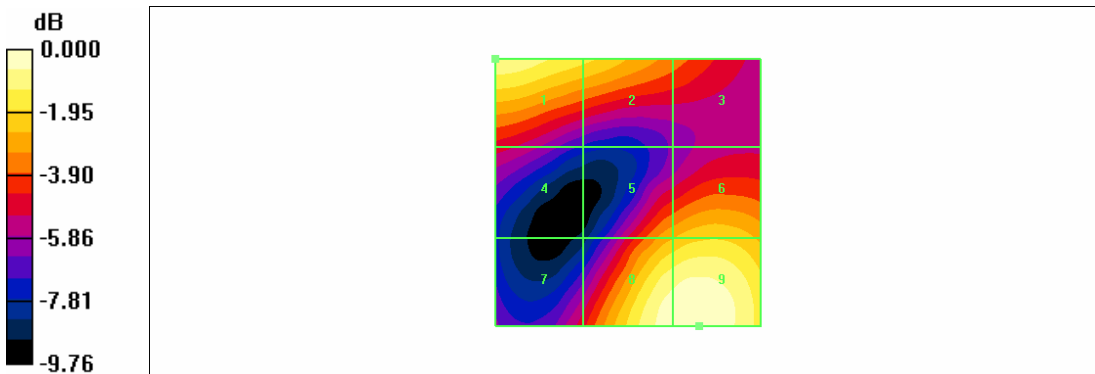
DASY4 Configuration:
 - Probe: ER3DV6 - SN2343; ConvF(1, 1, 1); Calibrated: 2010-05-20
 - Sensor-Surface: (Fix Surface)
 - Electronics: DAE3 Sn466; Calibrated: 2010-07-21
 - Phantom: HAC Test Arch; Type: SD HAC P01 BA

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 = 20.8 V/m
 Probe Modulation Factor = 0.834
 Device Reference Point: 0.000, 0.000, 353.7 mm
 Reference Value = 12.8 V/m; Power Drift = 0.097 dB
Hearing Aid Near-Field Category: M4 (AWF 0 dB)

Peak E-field in V/m

Grid 1	Grid 2	Grid 3
19.1 M4	17.0 M4	13.8 M4
Grid 4	Grid 5	Grid 6
11.9 M4	15.4 M4	16.5 M4
Grid 7	Grid 8	Grid 9
12.0 M4	20.2 M4	20.8 M4

Cursor:
 Total = 20.8 V/m
 E Category: M4
 Location: -13.5, 25, 369.9 mm



0 dB = 20.8V/m

Test Laboratory: HCT CO., LTD.
 Ambient Temperature / Channel 21.5 °C /9538
 Test Date Nov.17, 2010

DUT: P8000; 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 184

DASY4 Configuration:

- Probe: ER3DV6 - SN2343; ConvF(1, 1, 1); Calibrated: 2010-05-20
- Sensor-Surface: (Fix Surface)
- Electronics: DAE3 Sn466; Calibrated: 2010-07-21
- 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):

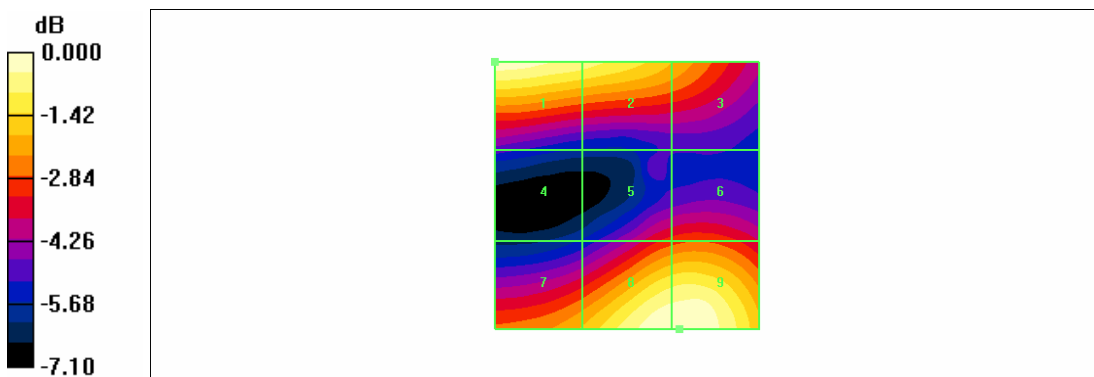
Measurement grid: dx=5mm, dy=5mm
 Maximum value of peak Total field = 16.8 V/m
 Probe Modulation Factor = 0.834
 Device Reference Point: 0.000, 0.000, 353.7 mm
 Reference Value = 12.2 V/m; Power Drift = -0.037 dB
Hearing Aid Near-Field Category: M4 (AWF 0 dB)

Peak E-field in V/m

Grid 1	Grid 2	Grid 3
16.5 M4	15.6 M4	13.5 M4
Grid 4	Grid 5	Grid 6
9.51 M4	11.8 M4	12.1 M4
Grid 7	Grid 8	Grid 9
13.6 M4	16.7 M4	16.8 M4

Cursor:

Total = 16.8 V/m
 E Category: M4
 Location: -10, 25, 369.9 mm



0 dB = 16.8V/m

Test Laboratory: HCT CO., LTD.
 Ambient Temperature / Channel 21.5 °C /4132
 Test Date Nov.17, 2010

DUT: P8000; 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 184

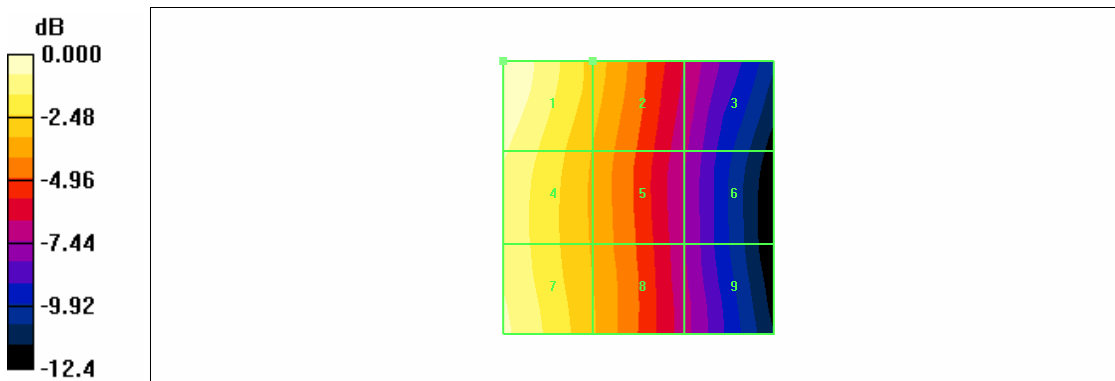
DASY4 Configuration:
 - Probe: H3DV6 - SN6101; ; Calibrated: 2010-05-27
 - Sensor-Surface: (Fix Surface)
 - Electronics: DAE3 Sn466; Calibrated: 2010-07-21
 - Phantom: HAC Test Arch; Type: SD HAC P01 BA

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 = 0.841
 Device Reference Point: 0.000, 0.000, 353.7 mm
 Reference Value = 0.066 A/m; Power Drift = -0.003 dB
Hearing Aid Near-Field Category: M4 (AWF 0 dB)

Peak H-field in A/m

Grid 1 0.096 M4	Grid 2 0.070 M4	Grid 3 0.045 M4
Grid 4 0.088 M4	Grid 5 0.065 M4	Grid 6 0.042 M4
Grid 7 0.089 M4	Grid 8 0.067 M4	Grid 9 0.043 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 21.5 °C /4183
 Test Date Nov.17, 2010

DUT: P8000; 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 184

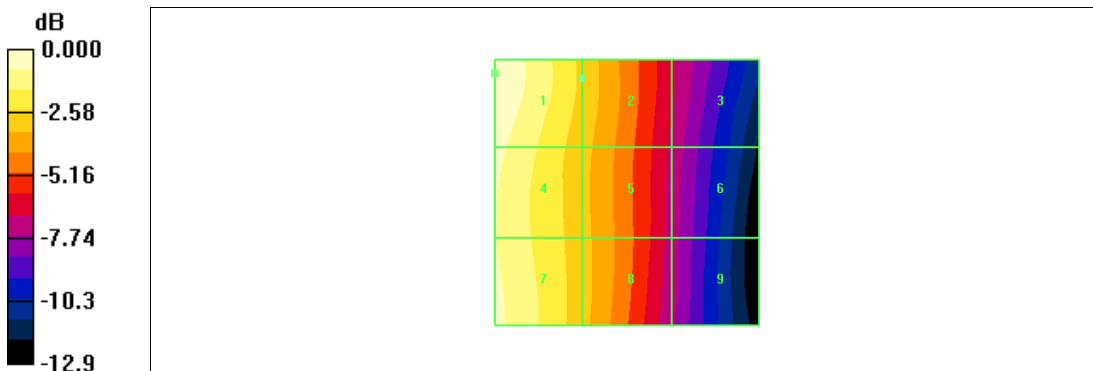
DASY4 Configuration:
 - Probe: H3DV6 - SN6101; ; Calibrated: 2010-05-27
 - Sensor-Surface: (Fix Surface)
 - Electronics: DAE3 Sn466; Calibrated: 2010-07-21
 - Phantom: HAC Test Arch; Type: SD HAC P01 BA

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 = 0.112 A/m
 Probe Modulation Factor = 0.841
 Device Reference Point: 0.000, 0.000, 353.7 mm
 Reference Value = 0.081 A/m; Power Drift = -0.119 dB
Hearing Aid Near-Field Category: M4 (AWF 0 dB)

Peak H-field in A/m

Grid 1 0.112 M4	Grid 2 0.081 M4	Grid 3 0.052 M4
Grid 4 0.105 M4	Grid 5 0.078 M4	Grid 6 0.050 M4
Grid 7 0.105 M4	Grid 8 0.079 M4	Grid 9 0.048 M4

Cursor:
 Total = 0.112 A/m
 H Category: M4
 Location: 25, -22.5, 369.4 mm



0 dB = 0.112A/m

Test Laboratory: HCT CO., LTD.
 Ambient Temperature / Channel 21.5 °C /4233
 Test Date Nov.17, 2010

DUT: P8000; 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 184

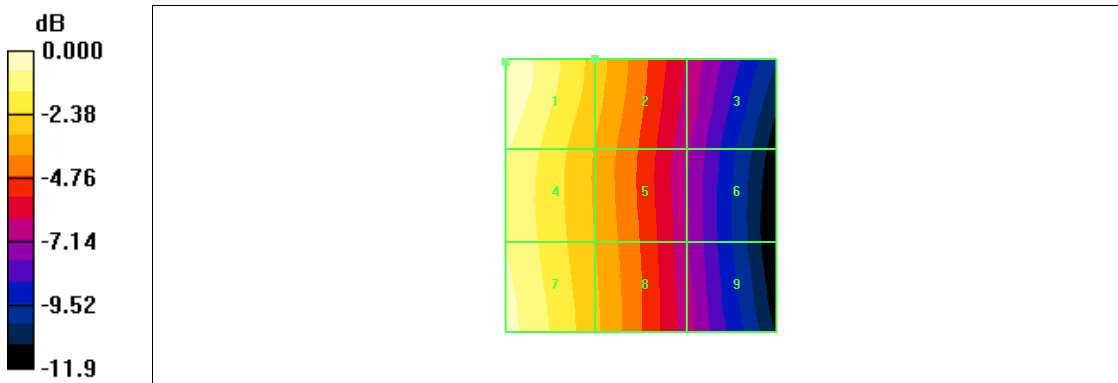
DASY4 Configuration:
 - Probe: H3DV6 - SN6101; ; Calibrated: 2010-05-27
 - Sensor-Surface: (Fix Surface)
 - Electronics: DAE3 Sn466; Calibrated: 2010-07-21
 - Phantom: HAC Test Arch; Type: SD HAC P01 BA

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 = 0.841
 Device Reference Point: 0.000, 0.000, 353.7 mm
 Reference Value = 0.075 A/m; Power Drift = 0.016 dB
Hearing Aid Near-Field Category: M4 (AWF 0 dB)

Peak H-field in A/m

Grid 1 0.105 M4	Grid 2 0.077 M4	Grid 3 0.050 M4
Grid 4 0.097 M4	Grid 5 0.073 M4	Grid 6 0.047 M4
Grid 7 0.099 M4	Grid 8 0.074 M4	Grid 9 0.048 M4

Cursor:
 Total = 0.105 A/m
 H Category: M4
 Location: 25, -24.5, 369.4 mm



0 dB = 0.105A/m

Test Laboratory: HCT CO., LTD.
 Ambient Temperature / Channel 21.5 °C /9262
 Test Date Nov.17, 2010

DUT: P8000; 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 184

DASY4 Configuration:
 - Probe: H3DV6 - SN6101; ; Calibrated: 2010-05-27
 - Sensor-Surface: (Fix Surface)
 - Electronics: DAE3 Sn466; Calibrated: 2010-07-21
 - Phantom: HAC Test Arch; Type: SD HAC P01 BA

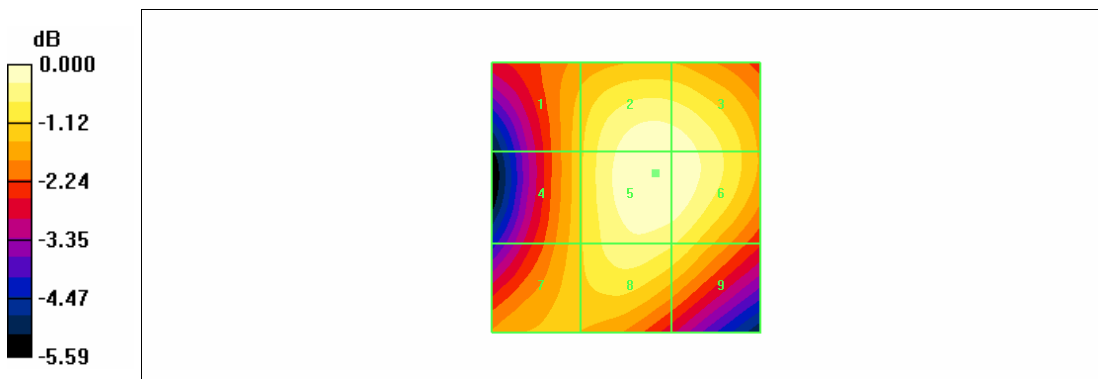
H Scan - H3DV6 - 2007: 15 mm from Probe Center to the Device/Hearing Aid Compatibility Test (101x101x1):
 Measurement grid: dx=5mm, dy=5mm
 Maximum value of peak Total field = 0.069 A/m
 Probe Modulation Factor = 0.835
 Device Reference Point: 0.000, 0.000, 353.7 mm
 Reference Value = 0.094 A/m; Power Drift = 0.034 dB
Hearing Aid Near-Field Category: M4 (AWF 0 dB)

Peak H-field in A/m

Grid 1	Grid 2	Grid 3
0.060 M4	0.069 M4	0.068 M4
Grid 4	Grid 5	Grid 6
0.060 M4	0.069 M4	0.069 M4
Grid 7	Grid 8	Grid 9
0.060 M4	0.066 M4	0.064 M4

Cursor:

Total = 0.069 A/m
 H Category: M4
 Location: -5.5, -4.5, 369.4 mm



0 dB = 0.069A/m

Test Laboratory: HCT CO., LTD.
 Ambient Temperature / Channel 21.5 °C /9400
 Test Date Nov.17, 2010

DUT: P8000; 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 184

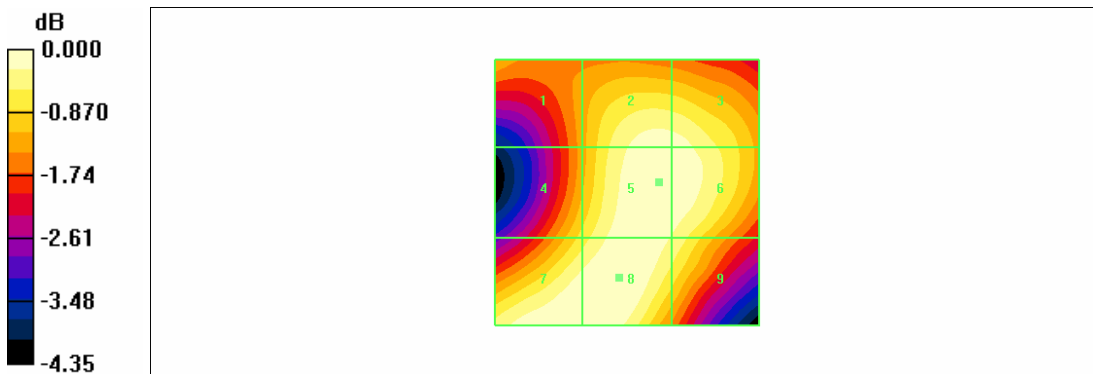
DASY4 Configuration:
 - Probe: H3DV6 - SN6101; ; Calibrated: 2010-05-27
 - Sensor-Surface: (Fix Surface)
 - Electronics: DAE3 Sn466; Calibrated: 2010-07-21
 - Phantom: HAC Test Arch; Type: SD HAC P01 BA

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 = 0.052 A/m
 Probe Modulation Factor = 0.835
 Device Reference Point: 0.000, 0.000, 353.7 mm
 Reference Value = 0.072 A/m; Power Drift = 0.040 dB
Hearing Aid Near-Field Category: M4 (AWF 0 dB)

Peak H-field in A/m

Grid 1 0.045 M4	Grid 2 0.051 M4	Grid 3 0.051 M4
Grid 4 0.048 M4	Grid 5 0.052 M4	Grid 6 0.052 M4
Grid 7 0.052 M4	Grid 8 0.052 M4	Grid 9 0.050 M4

Cursor:
 Total = 0.052 A/m
 H Category: M4
 Location: 1.5, 16, 369.4 mm



0 dB = 0.052A/m

Test Laboratory: HCT CO., LTD.

Ambient Temperature / Channel 21.5 °C /9538

Test Date Nov.17, 2010

DUT: P8000; 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 184

DASY4 Configuration:

- Probe: H3DV6 - SN6101; ; Calibrated: 2010-05-27
- Sensor-Surface: (Fix Surface)
- Electronics: DAE3 Sn466; Calibrated: 2010-07-21
- 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 = 0.047 A/m

Probe Modulation Factor = 0.835

Device Reference Point: 0.000, 0.000, 353.7 mm

Reference Value = 0.057 A/m; Power Drift = 0.035 dB

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

Peak H-field in A/m

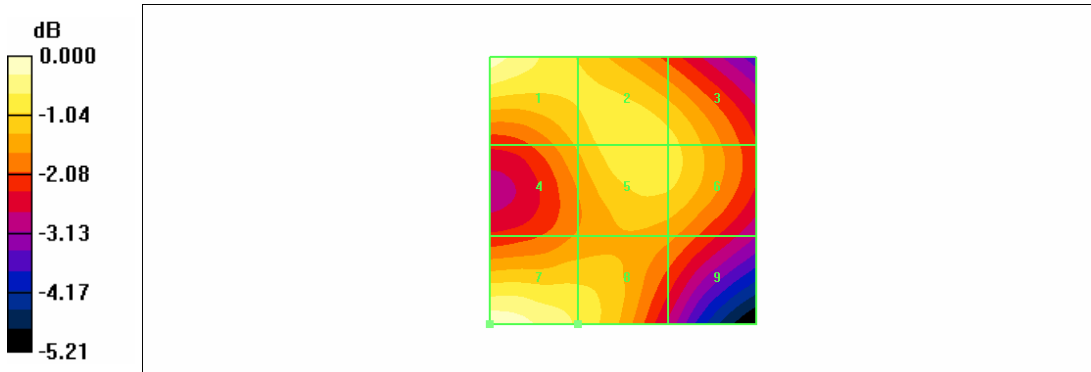
Grid 1	Grid 2	Grid 3
0.046 M4	0.043 M4	0.042 M4
Grid 4	Grid 5	Grid 6
0.040 M4	0.043 M4	0.042 M4
Grid 7	Grid 8	Grid 9
0.047 M4	0.043 M4	0.039 M4

Cursor:

Total = 0.047 A/m

H Category: M4

Location: 25, 25, 369.4 mm



0 dB = 0.047A/m