

APPENDIX A. HAC TEST PLOTS

Test Laboratory: HCT CO., LTD.

Ambient Temperature / Channel 21.5 /1013

Test Date Jan. 18, 2008

DUT: EZ2; Type: Folder; 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 53; Postprocessing SW: SEMCAD, V1.8 Build 176

DASY4 Configuration:

- Probe: ER3DV6 - SN2343; ConvF(1, 1, 1); Calibrated: 2007-06-25
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn447; Calibrated: 2007-09-13
- Phantom: HAC Test Arch; Type: SD HAC P01 BA

E Scan 10mm above Device Reference/Hearing Aid Compatibility Test (101x101x1): Measurement grid:

dx=5mm, dy=5mm

Maximum value of peak Total field = 58.7 V/m

Probe Modulation Factor = 0.957

Device Reference Point: 0.000, 0.000, 353.7 mm

Reference Value = 63.7 V/m; Power Drift = -0.189 dB

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

Peak E-field in V/m

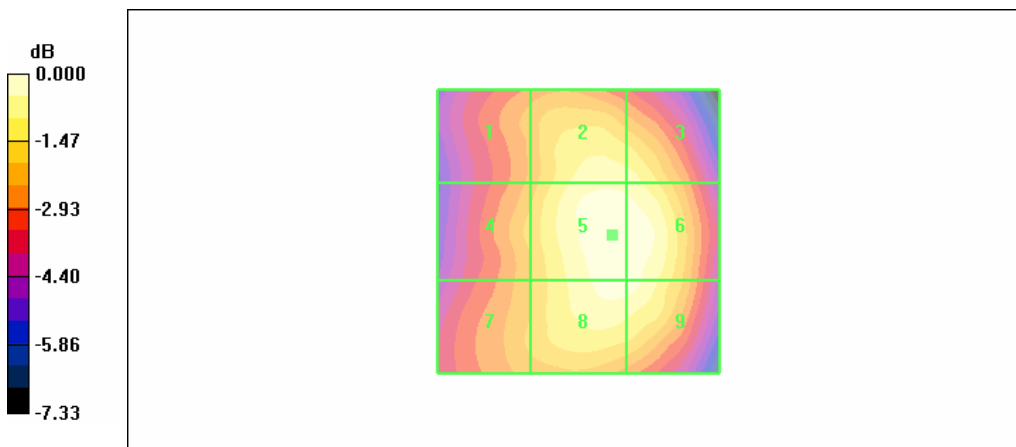
Grid 1	Grid 2	Grid 3
45.7 M4	54.9 M4	54.5 M4
Grid 4	Grid 5	Grid 6
48.1 M4	58.7 M4	58.2 M4
Grid 7	Grid 8	Grid 9
47.6 M4	57.1 M4	56.9 M4

Cursor:

Total = 58.7 V/m

E Category: M4

Location: -6, 0.5, 364.8 mm



0 dB = 58.7V/m

Test Laboratory: HCT CO., LTD.
 Ambient Temperature / Channel 21.5 /384
 Test Date Jan. 18, 2008

DUT: EZ2; Type: Folder; 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 53; Postprocessing SW: SEMCAD, V1.8 Build 176

DASY4 Configuration:

- Probe: ER3DV6 - SN2343; ConvF(1, 1, 1); Calibrated: 2007-06-25
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn447; Calibrated: 2007-09-13
- Phantom: HAC Test Arch; Type: SD HAC P01 BA

E Scan 10mm above Device Reference/Hearing Aid Compatibility Test (101x101x1): Measurement grid:

dx=5mm, dy=5mm

Maximum value of peak Total field = 76.0 V/m

Probe Modulation Factor = 0.957

Device Reference Point: 0.000, 0.000, 353.7 mm

Reference Value = 81.4 V/m; Power Drift = -0.081 dB

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

Peak E-field in V/m

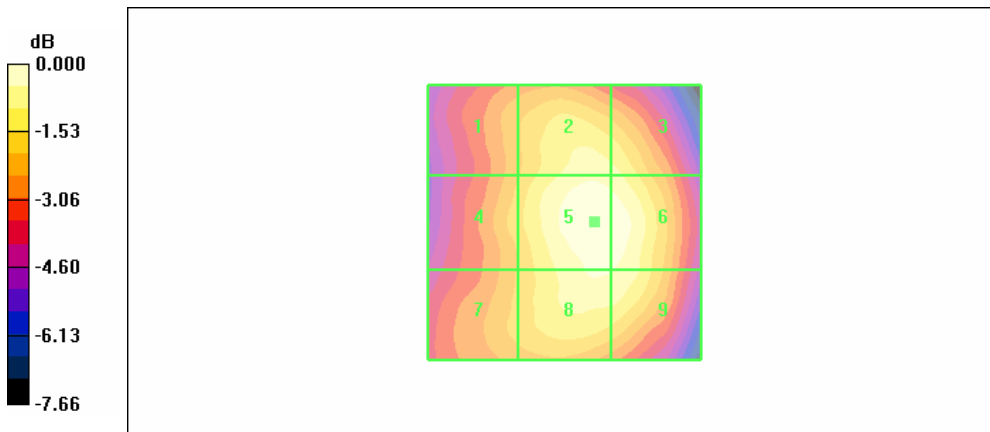
Grid 1	Grid 2	Grid 3
59.8 M4	71.0 M4	69.7 M4
Grid 4	Grid 5	Grid 6
62.7 M4	76.0 M4	75.4 M4
Grid 7	Grid 8	Grid 9
61.6 M4	72.3 M4	72.0 M4

Cursor:

Total = 76.0 V/m

E Category: M4

Location: -5.5, 0, 364.8 mm



0 dB = 76.0V/m

Test Laboratory: HCT CO., LTD.
 Ambient Temperature / Channel 21.5 /777
 Test Date Jan. 18, 2008

DUT: EZ2; Type: Folder; 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 53; Postprocessing SW: SEMCAD, V1.8 Build 176

DASY4 Configuration:

- Probe: ER3DV6 - SN2343; ConvF(1, 1, 1); Calibrated: 2007-06-25
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn447; Calibrated: 2007-09-13
- Phantom: HAC Test Arch; Type: SD HAC P01 BA

E Scan 10mm above Device Reference/Hearing Aid Compatibility Test (101x101x1): Measurement grid:
 dx=5mm, dy=5mm

Maximum value of peak Total field = 76.9 V/m

Probe Modulation Factor = 0.957

Device Reference Point: 0.000, 0.000, 353.7 mm

Reference Value = 82.9 V/m; Power Drift = -0.044 dB

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

Peak E-field in V/m

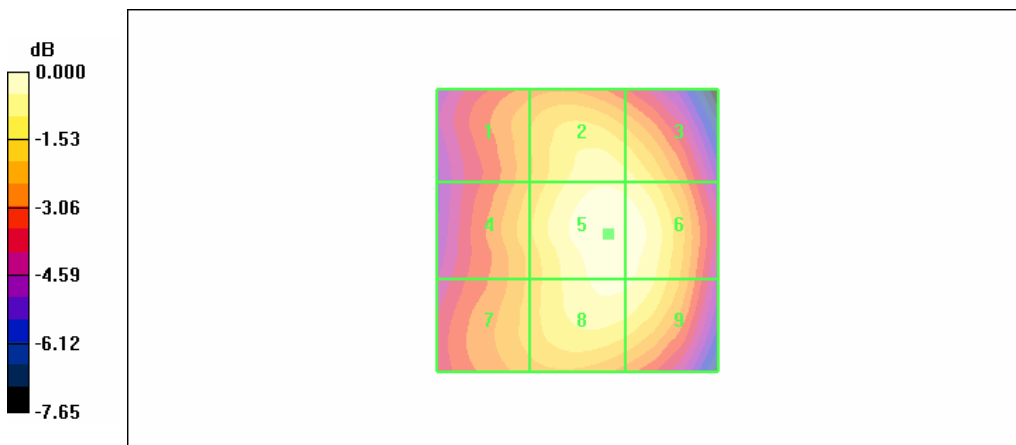
Grid 1	Grid 2	Grid 3
60.8 M4	72.1 M4	70.7 M4
Grid 4	Grid 5	Grid 6
63.9 M4	76.9 M4	76.1 M4
Grid 7	Grid 8	Grid 9
62.5 M4	74.0 M4	73.5 M4

Cursor:

Total = 76.9 V/m

E Category: M4

Location: -5.5, 0.5, 364.8 mm



0 dB = 76.9V/m

Test Laboratory: HCT CO., LTD.
 Ambient Temperature / Channel 21.5 /25
 Test Date Jan. 18, 2008

DUT: EZ2; Type: Folder; 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 53; Postprocessing SW: SEMCAD, V1.8 Build 176

DASY4 Configuration:

- Probe: ER3DV6 - SN2343; ConvF(1, 1, 1); Calibrated: 2007-06-25
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn447; Calibrated: 2007-09-13
- Phantom: HAC Test Arch; Type: SD HAC P01 BA

E Scan 10mm above Device Reference/Hearing Aid Compatibility Test (101x101x1): Measurement grid:

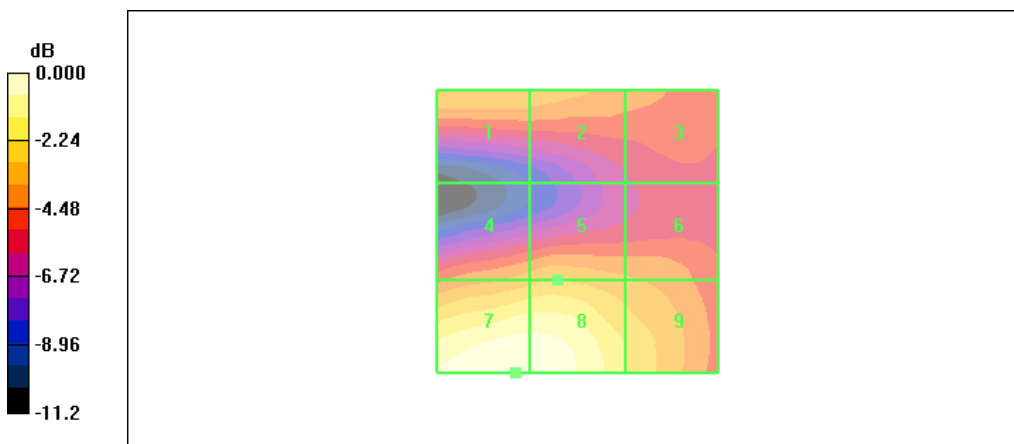
dx=5mm, dy=5mm
 Maximum value of peak Total field = 28.8 V/m
 Probe Modulation Factor = 0.971
 Device Reference Point: 0.000, 0.000, 353.7 mm
 Reference Value = 14.7 V/m; Power Drift = 0.057 dB
Hearing Aid Near-Field Category: M4 (AWF 0 dB)

Peak E-field in V/m

Grid 1 20.1 M4	Grid 2 19.8 M4	Grid 3 17.9 M4
Grid 4 19.6 M4	Grid 5 20.4 M4	Grid 6 19.0 M4
Grid 7 28.8 M4	Grid 8 28.6 M4	Grid 9 22.4 M4

Cursor:

Total = 28.8 V/m
 E Category: M4
 Location: 11, 25, 364.8 mm



0 dB = 28.8V/m

Test Laboratory: HCT CO., LTD.
 Ambient Temperature / Channel 21.5 /600
 Test Date Jan. 18, 2008

DUT: EZ2; Type: Folder; 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 53; Postprocessing SW: SEMCAD, V1.8 Build 176

DASY4 Configuration:

- Probe: ER3DV6 - SN2343; ConvF(1, 1, 1); Calibrated: 2007-06-25
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn447; Calibrated: 2007-09-13
- Phantom: HAC Test Arch; Type: SD HAC P01 BA

E Scan 10mm above Device Reference/Hearing Aid Compatibility Test (101x101x1): Measurement grid:
 dx=5mm, dy=5mm

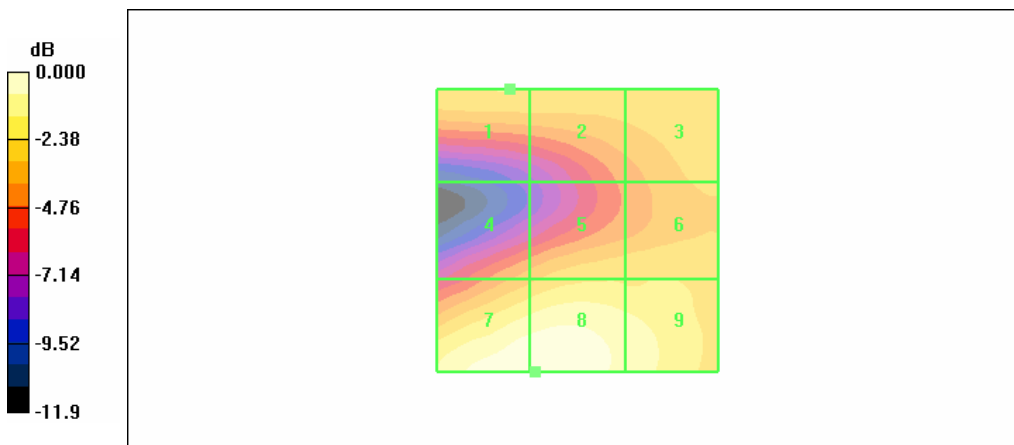
Maximum value of peak Total field = 27.9 V/m
 Probe Modulation Factor = 0.971
 Device Reference Point: 0.000, 0.000, 353.7 mm
 Reference Value = 15.2 V/m; Power Drift = 0.170 dB
Hearing Aid Near-Field Category: M4 (AWF 0 dB)

Peak E-field in V/m

Grid 1	Grid 2	Grid 3
21.3 M4	21.2 M4	21.0 M4
Grid 4	Grid 5	Grid 6
18.8 M4	21.0 M4	21.3 M4
Grid 7	Grid 8	Grid 9
27.9 M4	27.9 M4	24.8 M4

Cursor:

Total = 27.9 V/m
 E Category: M4
 Location: 7.5, 25, 364.8 mm



0 dB = 27.9V/m

Test Laboratory: HCT CO., LTD.
 Ambient Temperature / Channel 21.5 /1175
 Test Date Jan. 18, 2008

DUT: EZ2; Type: Folder; 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 53; Postprocessing SW: SEMCAD, V1.8 Build 176

DASY4 Configuration:

- Probe: ER3DV6 - SN2343; ConvF(1, 1, 1); Calibrated: 2007-06-25
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn447; Calibrated: 2007-09-13
- Phantom: HAC Test Arch; Type: SD HAC P01 BA

E Scan 10mm above Device Reference/Hearing Aid Compatibility Test (101x101x1): Measurement grid:

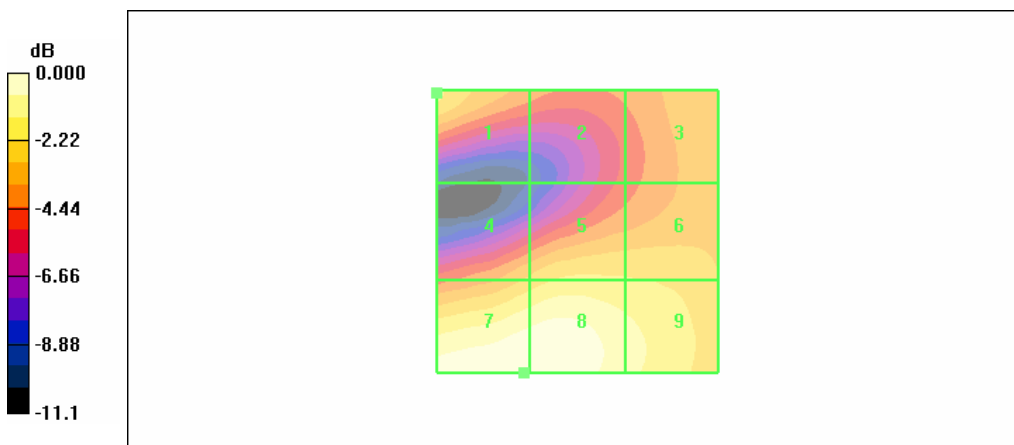
dx=5mm, dy=5mm
 Maximum value of peak Total field = 23.3 V/m
 Probe Modulation Factor = 0.971
 Device Reference Point: 0.000, 0.000, 353.7 mm
 Reference Value = 14.9 V/m; Power Drift = -0.083 dB
Hearing Aid Near-Field Category: M4 (AWF 0 dB)

Peak E-field in V/m

Grid 1 18.6 M4	Grid 2 14.6 M4	Grid 3 16.3 M4
Grid 4 16.9 M4	Grid 5 18.4 M4	Grid 6 18.2 M4
Grid 7 23.3 M4	Grid 8 23.3 M4	Grid 9 20.5 M4

Cursor:

Total = 23.3 V/m
 E Category: M4
 Location: 9.5, 25, 364.8 mm



0 dB = 23.3V/m

Test Laboratory: HCT CO., LTD.
 Ambient Temperature / Channel 21.5 /1013
 Test Date Jan. 18, 2008

DUT: EZ2; Type: Folder; 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 53; Postprocessing SW: SEMCAD, V1.8 Build 176

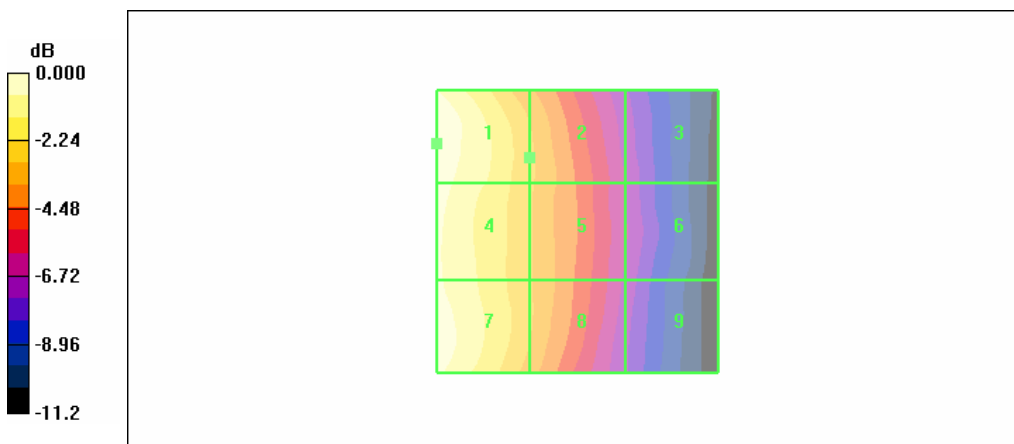
DASY4 Configuration:
 - Probe: H3DV6 - SN6101; ; Calibrated: 2007-07-25
 - Sensor-Surface: (Fix Surface)
 - Electronics: DAE4 Sn447; Calibrated: 2007-09-13
 - Phantom: HAC Test Arch; Type: SD HAC P01 BA

H Scan 10mm above Device Reference/Hearing Aid Compatibility Test (101x101x1): Measurement grid:
 dx=5mm, dy=5mm
 Maximum value of peak Total field = 0.095 A/m
 Probe Modulation Factor = 0.856
 Device Reference Point: 0.000, 0.000, 353.7 mm
 Reference Value = 0.069 A/m; Power Drift = -0.086 dB
Hearing Aid Near-Field Category: M4 (AWF 0 dB)

Peak H-field in A/m

Grid 1	Grid 2	Grid 3
0.095 M4	0.069 M4	0.044 M4
Grid 4	Grid 5	Grid 6
0.092 M4	0.069 M4	0.045 M4
Grid 7	Grid 8	Grid 9
0.092 M4	0.069 M4	0.043 M4

Cursor:
 Total = 0.095 A/m
 H Category: M4
 Location: 25, -15.5, 365.6 mm



0 dB = 0.095A/m

Test Laboratory: HCT CO., LTD.
 Ambient Temperature / Channel 21.5 /384
 Test Date Jan. 18, 2008

DUT: EZ2; Type: Folder; 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 53; Postprocessing SW: SEMCAD, V1.8 Build 176

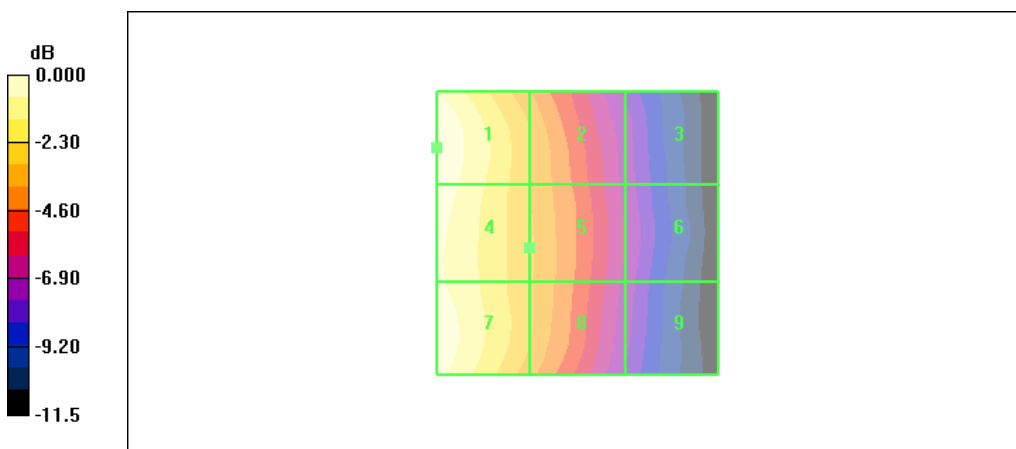
DASY4 Configuration:
 - Probe: H3DV6 - SN6101; ; Calibrated: 2007-07-25
 - Sensor-Surface: (Fix Surface)
 - Electronics: DAE4 Sn447; Calibrated: 2007-09-13
 - Phantom: HAC Test Arch; Type: SD HAC P01 BA

H Scan 10mm above Device Reference/Hearing Aid Compatibility Test (101x101x1): Measurement grid:
 dx=5mm, dy=5mm
 Maximum value of peak Total field = 0.119 A/m
 Probe Modulation Factor = 0.856
 Device Reference Point: 0.000, 0.000, 353.7 mm
 Reference Value = 0.084 A/m; Power Drift = 0.081 dB
Hearing Aid Near-Field Category: M4 (AWF 0 dB)

Peak H-field in A/m

Grid 1	Grid 2	Grid 3
0.119 M4	0.084 M4	0.052 M4
Grid 4	Grid 5	Grid 6
0.115 M4	0.085 M4	0.054 M4
Grid 7	Grid 8	Grid 9
0.118 M4	0.085 M4	0.053 M4

Cursor:
 Total = 0.119 A/m
 H Category: M4
 Location: 25, -15, 365.6 mm



0 dB = 0.119A/m

Test Laboratory: HCT CO., LTD.
 Ambient Temperature / Channel 21.5 /777
 Test Date Jan. 18, 2008

DUT: EZ2; Type: Folder; 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 53; Postprocessing SW: SEMCAD, V1.8 Build 176

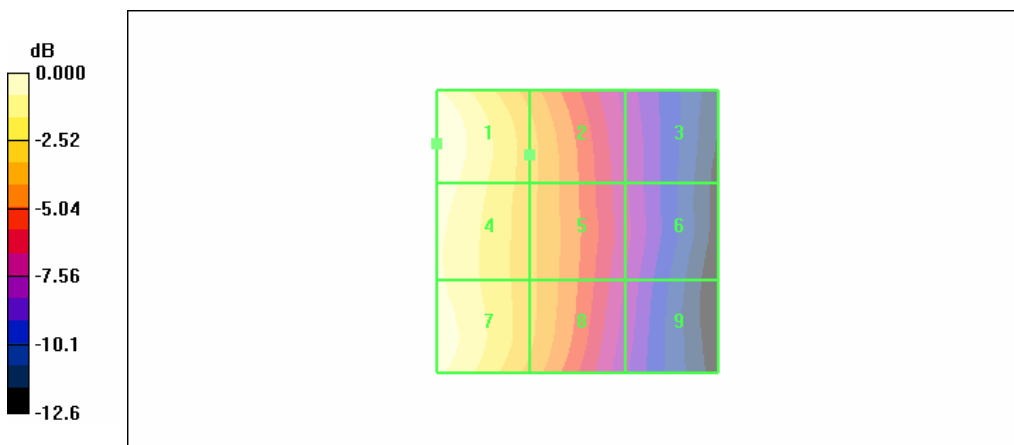
DASY4 Configuration:
 - Probe: H3DV6 - SN6101; ; Calibrated: 2007-07-25
 - Sensor-Surface: (Fix Surface)
 - Electronics: DAE4 Sn447; Calibrated: 2007-09-13
 - Phantom: HAC Test Arch; Type: SD HAC P01 BA

H Scan 10mm above Device Reference/Hearing Aid Compatibility Test (101x101x1): Measurement grid:
 dx=5mm, dy=5mm
 Maximum value of peak Total field = 0.119 A/m
 Probe Modulation Factor = 0.856
 Device Reference Point: 0.000, 0.000, 353.7 mm
 Reference Value = 0.082 A/m; Power Drift = 0.130 dB
Hearing Aid Near-Field Category: M4 (AWF 0 dB)

Peak H-field in A/m

Grid 1	Grid 2	Grid 3
0.119 M4	0.084 M4	0.051 M4
Grid 4	Grid 5	Grid 6
0.115 M4	0.084 M4	0.052 M4
Grid 7	Grid 8	Grid 9
0.115 M4	0.083 M4	0.050 M4

Cursor:
 Total = 0.119 A/m
 H Category: M4
 Location: 25, -15.5, 365.6 mm



0 dB = 0.119A/m

Test Laboratory: HCT CO., LTD.
 Ambient Temperature / Channel 21.5 /25
 Test Date Jan. 18, 2008

DUT: EZ2; Type: Folder; 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 53; Postprocessing SW: SEMCAD, V1.8 Build 176

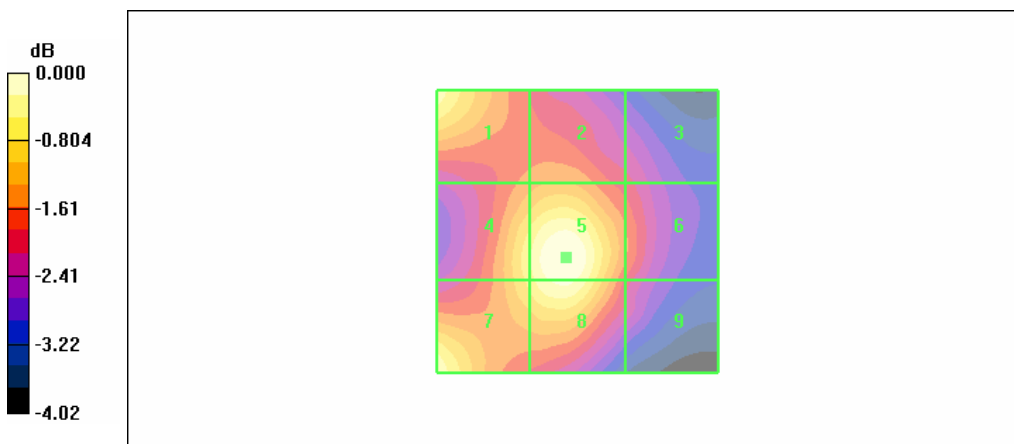
DASY4 Configuration:
 - Probe: H3DV6 - SN6101; ; Calibrated: 2007-07-25
 - Sensor-Surface: (Fix Surface)
 - Electronics: DAE4 Sn447; Calibrated: 2007-09-13
 - Phantom: HAC Test Arch; Type: SD HAC P01 BA

H Scan 10mm above Device Reference/Hearing Aid Compatibility Test (101x101x1): Measurement grid:
 dx=5mm, dy=5mm
 Maximum value of peak Total field = 0.046 A/m
 Probe Modulation Factor = 0.754
 Device Reference Point: 0.000, 0.000, 353.7 mm
 Reference Value = 0.065 A/m; Power Drift = 0.018 dB
Hearing Aid Near-Field Category: M4 (AWF 0 dB)

Peak H-field in A/m

Grid 1	Grid 2	Grid 3
0.044 M4	0.040 M4	0.037 M4
Grid 4	Grid 5	Grid 6
0.043 M4	0.046 M4	0.039 M4
Grid 7	Grid 8	Grid 9
0.045 M4	0.045 M4	0.037 M4

Cursor:
 Total = 0.046 A/m
 H Category: M4
 Location: 2, 4.5, 365.6 mm



0 dB = 0.046A/m

Test Laboratory: HCT CO., LTD.
 Ambient Temperature / Channel: 21.5 /600
 Test Date: Jan. 18, 2008

DUT: EZ2; Type: Folder; 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 53; Postprocessing SW: SEMCAD, V1.8 Build 176

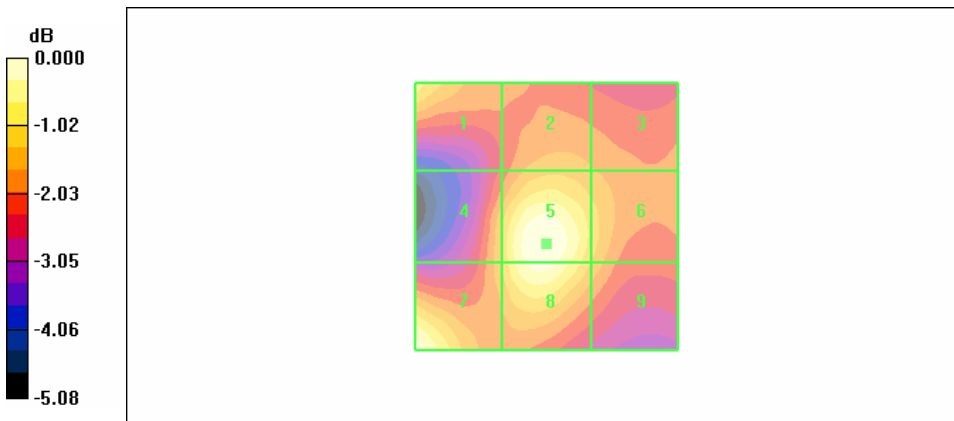
- DASY4 Configuration:
- Probe: H3DV6 - SN6101; ; Calibrated: 2007-07-25
 - Sensor-Surface: (Fix Surface)
 - Electronics: DAE4 Sn447; Calibrated: 2007-09-13
 - Phantom: HAC Test Arch; Type: SD HAC P01 BA

H Scan 10mm above Device Reference/Hearing Aid Compatibility Test (101x101x1): Measurement grid:
 dx=5mm, dy=5mm
 Maximum value of peak Total field = 0.047 A/m
 Probe Modulation Factor = 0.754
 Device Reference Point: 0.000, 0.000, 353.7 mm
 Reference Value = 0.066 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
0.043 M4	0.040 M4	0.039 M4
Grid 4	Grid 5	Grid 6
0.040 M4	0.047 M4	0.041 M4
Grid 7	Grid 8	Grid 9
0.047 M4	0.046 M4	0.040 M4

Cursor:
 Total = 0.047 A/m
 H Category: M4
 Location: 0, 5, 365.6 mm



Test Laboratory: HCT CO., LTD.
 Ambient Temperature / Channel 21.5 /1175
 Test Date Jan. 18, 2008

DUT: EZ2; Type: Folder; 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 53; Postprocessing SW: SEMCAD, V1.8 Build 176

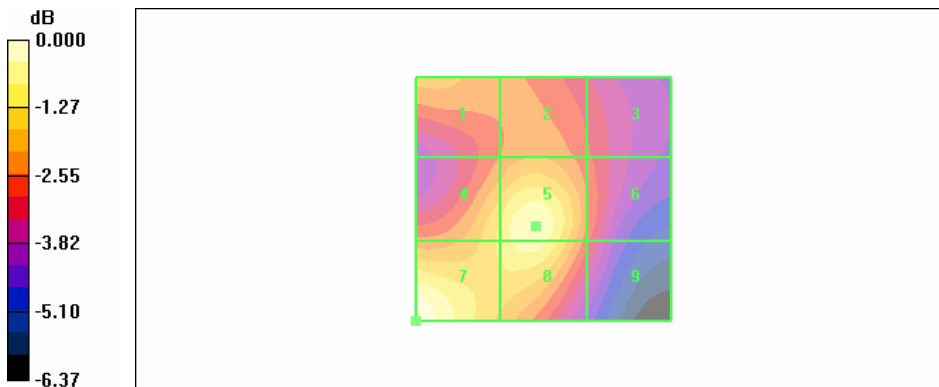
DASY4 Configuration:
 - Probe: H3DV6 - SN6101; ; Calibrated: 2007-07-25
 - Sensor-Surface: (Fix Surface)
 - Electronics: DAE4 Sn447; Calibrated: 2007-09-13
 - Phantom: HAC Test Arch; Type: SD HAC P01 BA

H Scan 10mm above Device Reference/Hearing Aid Compatibility Test (101x101x1): Measurement grid:
 dx=5mm, dy=5mm
 Maximum value of peak Total field = 0.048 A/m
 Probe Modulation Factor = 0.754
 Device Reference Point: 0.000, 0.000, 353.7 mm
 Reference Value = 0.064 A/m; Power Drift = -0.100 dB
Hearing Aid Near-Field Category: M4 (AWF 0 dB)

Peak H-field in A/m

Grid 1 0.038 M4	Grid 2 0.038 M4	Grid 3 0.035 M4
Grid 4 0.042 M4	Grid 5 0.046 M4	Grid 6 0.036 M4
Grid 7 0.048 M4	Grid 8 0.045 M4	Grid 9 0.035 M4

Cursor:
 Total = 0.048 A/m
 H Category: M4
 Location: 25, 25, 365.6 mm



0 dB = 0.048A/m