

APPENDIX A. HAC TEST PLOTS

Test Laboratory: HCT CO., LTD.
 Ambient Temperature / Channel 21.4 °C /1013
 Test Date Aug.12, 2008

DUT: CDM8975; 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 71; Postprocessing SW: SEMCAD, V1.8 Build 176

DASY4 Configuration:

- Probe: ER3DV6 - SN2343; ConvF(1, 1, 1); Calibrated: 2008-05-19
- Sensor-Surface: (Fix Surface)
- Electronics: DAE3 Sn466; Calibrated: 2008-07-17
- 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

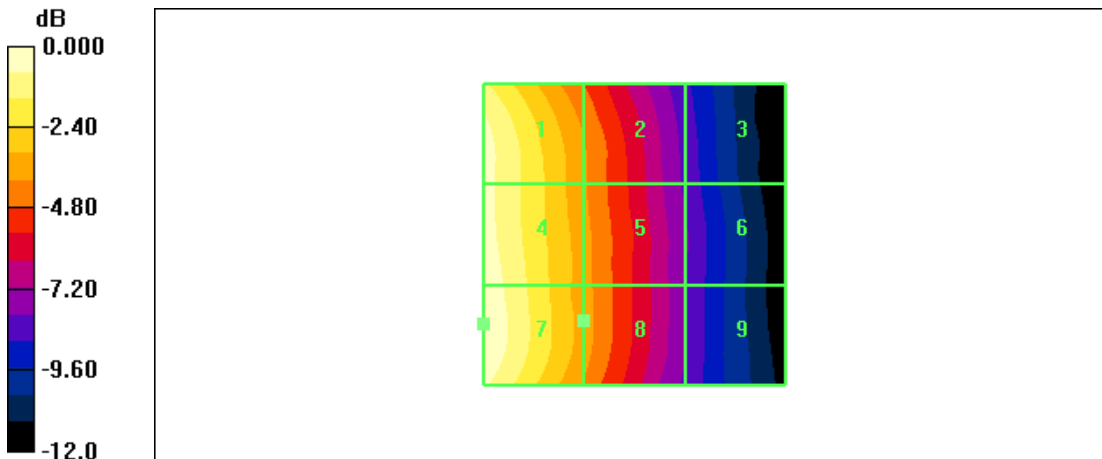
Maximum value of peak Total field = 70.2 V/m
 Probe Modulation Factor = 0.941
 Device Reference Point: 0.000, 0.000, 353.7 mm
 Reference Value = 72.9 V/m; Power Drift = 0.022 dB
Hearing Aid Near-Field Category: M4 (AWF 0 dB)

Peak E-field in V/m

Grid 1	Grid 2	Grid 3
69.1 M4	65.2 M4	57.6 M4
Grid 4	Grid 5	Grid 6
70.2 M4	69.1 M4	60.5 M4
Grid 7	Grid 8	Grid 9
66.4 M4	62.8 M4	55.4 M4

Cursor:

Total = 70.2 V/m
 E Category: M4
 Location: 14.5, -1, 364.8 mm



0 dB = 70.2V/m

Test Laboratory: HCT CO., LTD.
 Ambient Temperature / Channel 21.4 °C /384
 Test Date Aug.12, 2008

DUT: CDM8975; 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 71; Postprocessing SW: SEMCAD, V1.8 Build 176

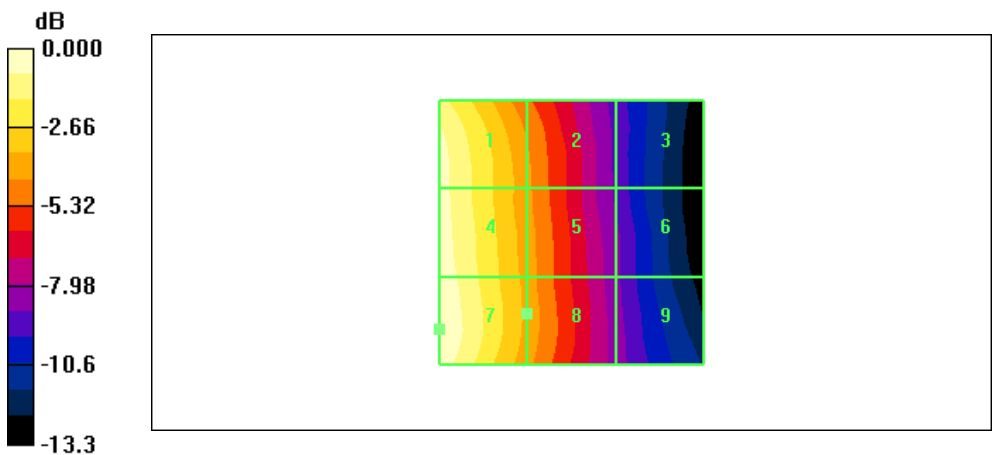
DASY4 Configuration:
 - Probe: ER3DV6 - SN2343; ConvF(1, 1, 1); Calibrated: 2008-05-19
 - Sensor-Surface: (Fix Surface)
 - Electronics: DAE3 Sn466; Calibrated: 2008-07-17
 - Phantom: HAC Test Arch; Type: SD HAC P01 BA

E Scan 10mm above Device Reference/Hearing Aid Compatibility Test (101x101x1): Measurement grid: dx=5mm, dy=5mm
 Maximum value of peak Total field = 67.2 V/m
 Probe Modulation Factor = 0.941
 Device Reference Point: 0.000, 0.000, 353.7 mm
 Reference Value = 71.3 V/m; Power Drift = -0.007 dB
Hearing Aid Near-Field Category: M4 (AWF 0 dB)

Peak E-field in V/m

Grid 1	Grid 2	Grid 3
66.5 M4	63.1 M4	57.0 M4
Grid 4	Grid 5	Grid 6
67.2 M4	66.8 M4	59.1 M4
Grid 7	Grid 8	Grid 9
63.1 M4	60.4 M4	54.3 M4

Cursor:
 Total = 67.2 V/m
 E Category: M4
 Location: 11, -1, 364.8 mm



0 dB = 67.2V/m

Test Laboratory: HCT CO., LTD.

Ambient Temperature / Channel 21.4 °C /777

Test Date Aug.12, 2008

DUT: CDM8975; 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 71; Postprocessing SW: SEMCAD, V1.8 Build 176

DASY4 Configuration:

- Probe: ER3DV6 - SN2343; ConvF(1, 1, 1); Calibrated: 2008-05-19
- Sensor-Surface: (Fix Surface)
- Electronics: DAE3 Sn466; Calibrated: 2008-07-17
- 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 = 63.2 V/m

Probe Modulation Factor = 0.941

Device Reference Point: 0.000, 0.000, 353.7 mm

Reference Value = 66.2 V/m; Power Drift = -0.040 dB

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

Peak E-field in V/m

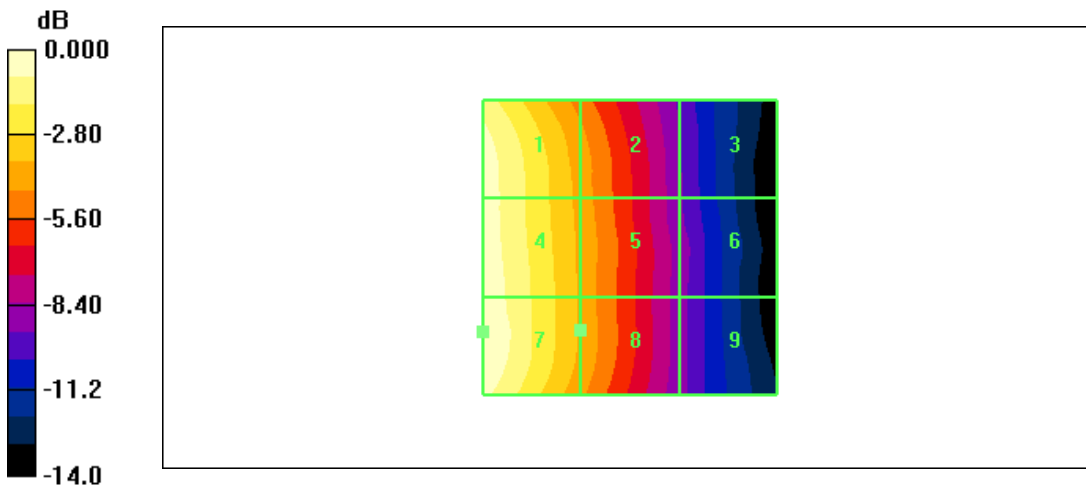
Grid 1	Grid 2	Grid 3
63.2 M4	58.9 M4	51.9 M4
Grid 4	Grid 5	Grid 6
62.9 M4	62.1 M4	53.9 M4
Grid 7	Grid 8	Grid 9
60.1 M4	56.4 M4	49.6 M4

Cursor:

Total = 63.2 V/m

E Category: M4

Location: 20, -18.5, 364.8 mm



0 dB = 63.2V/m

Test Laboratory: HCT CO., LTD.
 Ambient Temperature / Channel 21.4 °C /25
 Test Date Aug.12, 2008

DUT: CDM8975; 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: DASYS4, V4.7 Build 71; Postprocessing SW: SEMCAD, V1.8 Build 176

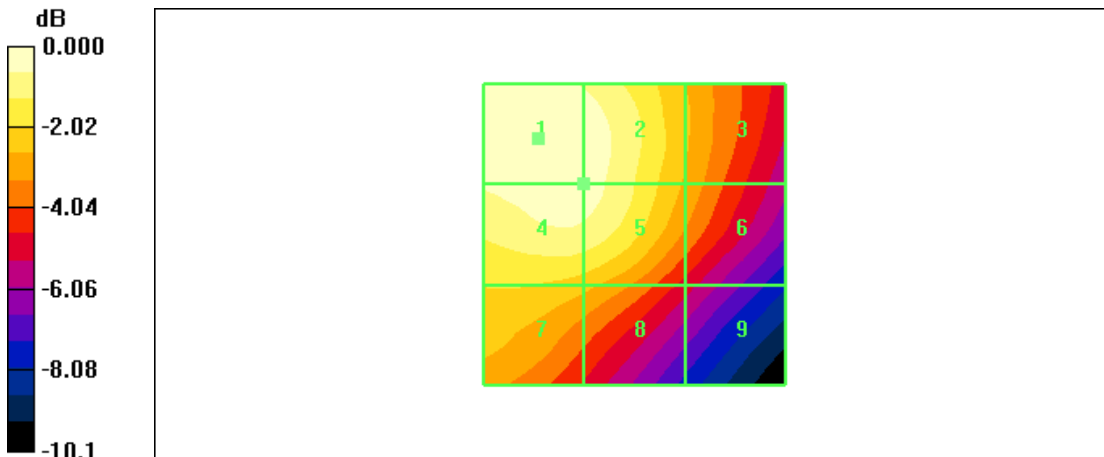
DASY4 Configuration:
 - Probe: ER3DV6 - SN2343; ConvF(1, 1, 1); Calibrated: 2008-05-19
 - Sensor-Surface: (Fix Surface)
 - Electronics: DAE3 Sn466; Calibrated: 2008-07-17
 - Phantom: HAC Test Arch; Type: SD HAC P01 BA

E Scan 10mm above Device Reference/Hearing Aid Compatibility Test (101x101x1): Measurement grid: dx=5mm, dy=5mm
 Maximum value of peak Total field = 43.7 V/m
 Probe Modulation Factor = 0.966
 Device Reference Point: 0.000, 0.000, 353.7 mm
 Reference Value = 39.9 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
43.7 M4	38.8 M4	39.2 M4
Grid 4	Grid 5	Grid 6
34.8 M4	40.6 M4	40.7 M4
Grid 7	Grid 8	Grid 9
26.3 M4	35.6 M4	36.1 M4

Cursor:
 Total = 43.7 V/m
 E Category: M4
 Location: 25, -22.5, 364.8 mm



0 dB = 43.7V/m

Test Laboratory: HCT CO., LTD.

Ambient Temperature / Channel 21.4 °C /600

Test Date Aug.12, 2008

DUT: CDM8975; 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 71; Postprocessing SW: SEMCAD, V1.8 Build 176

DASY4 Configuration:

- Probe: ER3DV6 - SN2343; ConvF(1, 1, 1); Calibrated: 2008-05-19
- Sensor-Surface: (Fix Surface)
- Electronics: DAE3 Sn466; Calibrated: 2008-07-17
- 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 = 45.4 V/m

Probe Modulation Factor = 0.966

Device Reference Point: 0.000, 0.000, 353.7 mm

Reference Value = 46.0 V/m; Power Drift = -0.123 dB

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

Peak E-field in V/m

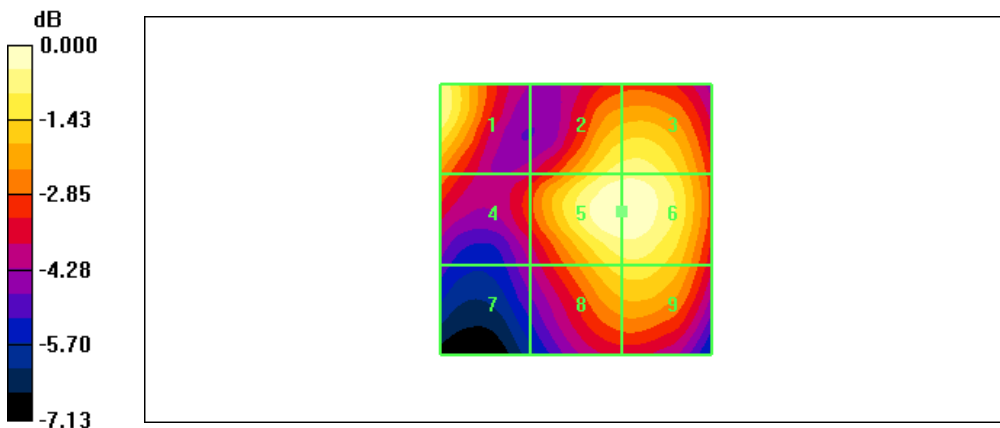
Grid 1	Grid 2	Grid 3
43.3 M4	42.2 M4	42.4 M4
Grid 4	Grid 5	Grid 6
34.3 M4	45.4 M4	45.4 M4
Grid 7	Grid 8	Grid 9
27.9 M4	39.8 M4	40.1 M4

Cursor:

Total = 45.4 V/m

E Category: M4

Location: -8.5, -1.5, 364.8 mm



0 dB = 45.4V/m

Test Laboratory: HCT CO., LTD.
 Ambient Temperature / Channel 21.4 °C /1175
 Test Date Aug.12, 2008

DUT: CDM8975; 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 71; Postprocessing SW: SEMCAD, V1.8 Build 176

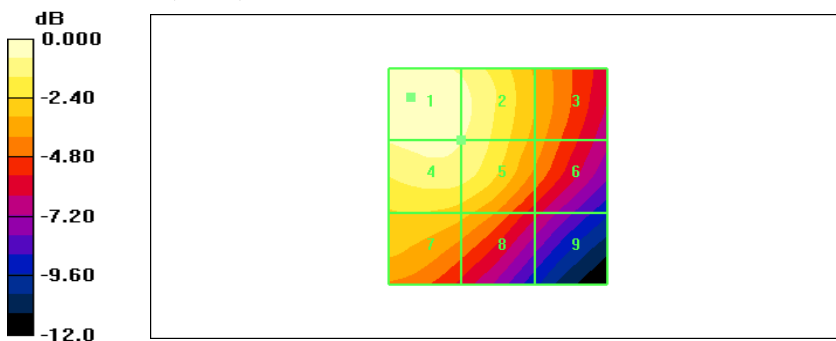
DASY4 Configuration:
 - Probe: ER3DV6 - SN2343; ConvF(1, 1, 1); Calibrated: 2008-05-19
 - Sensor-Surface: (Fix Surface)
 - Electronics: DAE3 Sn466; Calibrated: 2008-07-17
 - Phantom: HAC Test Arch; Type: SD HAC P01 BA

E Scan 10mm above Device Reference/Hearing Aid Compatibility Test (101x101x1): Measurement grid: dx=5mm, dy=5mm
 Maximum value of peak Total field = 43.4 V/m
 Probe Modulation Factor = 0.966
 Device Reference Point: 0.000, 0.000, 353.7 mm
 Reference Value = 42.4 V/m; Power Drift = 0.192 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	40.3 M4	40.7 M4
Grid 4	Grid 5	Grid 6
33.5 M4	43.3 M4	43.4 M4
Grid 7	Grid 8	Grid 9
25.0 M4	37.8 M4	38.3 M4

Cursor:
 Total = 43.4 V/m
 E Category: M4
 Location: -9.5, -1.5, 364.8 mm



0 dB = 43.4V/m

Test Laboratory: HCT CO., LTD.
 Ambient Temperature / Channel 21.4 °C /1013
 Test Date Aug.12, 2008

DUT: CDM8975; 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 71; Postprocessing SW: SEMCAD, V1.8 Build 176

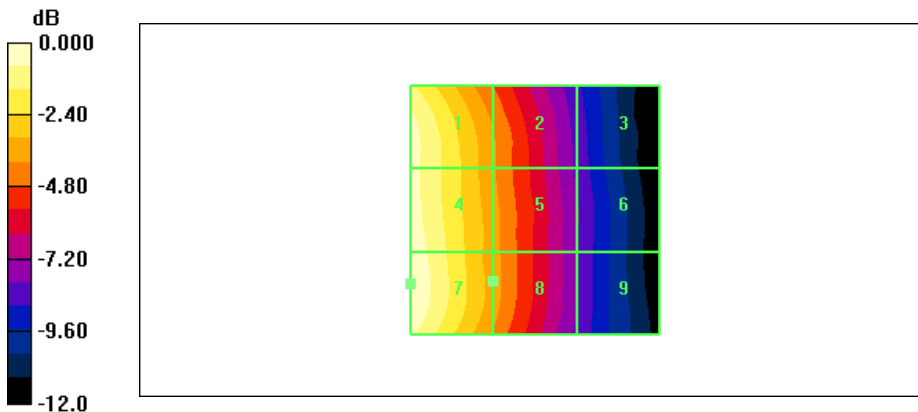
DASY4 Configuration:
 - Probe: H3DV6 - SN6101; ; Calibrated: 2008-05-19
 - Sensor-Surface: (Fix Surface)
 - Electronics: DAE3 Sn466; Calibrated: 2008-07-17
 - Phantom: HAC Test Arch; Type: SD HAC P01 BA

H Scan 10mm above Device Reference/Hearing Aid Compatibility Test (101x101x1): Measurement grid: dx=5mm, dy=5mm
 Maximum value of peak Total field = 0.111 A/m
 Probe Modulation Factor = 0.850
 Device Reference Point: 0.000, 0.000, 353.7 mm
 Reference Value = 0.070 A/m; Power Drift = -0.078 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	0.071 M4	0.044 M4
Grid 4	Grid 5	Grid 6
0.108 M4	0.073 M4	0.045 M4
Grid 7	Grid 8	Grid 9
0.111 M4	0.074 M4	0.045 M4

Cursor:
 Total = 0.111 A/m
 H Category: M4
 Location: 25, 15, 365.6 mm



0 dB = 0.111A/m

Test Laboratory: HCT CO., LTD.
 Ambient Temperature / Channel 21.4 °C /384
 Test Date Aug.12, 2008

DUT: CDM8975; 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 71; Postprocessing SW: SEMCAD, V1.8 Build 176

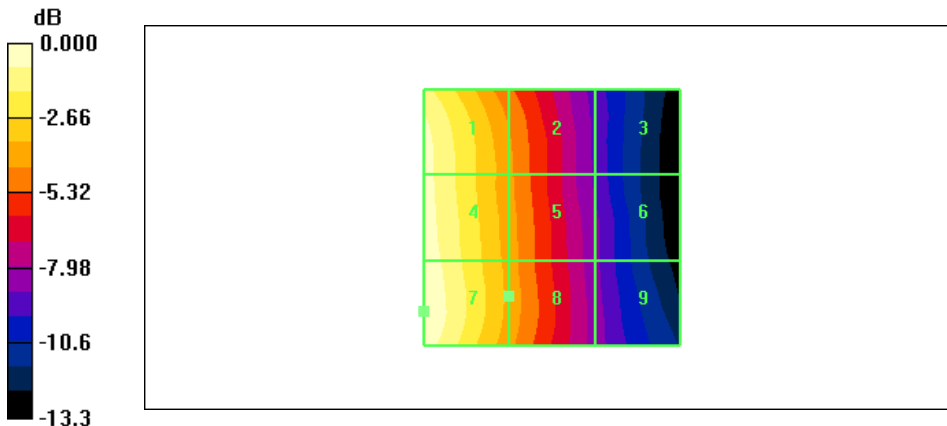
DASY4 Configuration:
 - Probe: H3DV6 - SN6101; ; Calibrated: 2008-05-19
 - Sensor-Surface: (Fix Surface)
 - Electronics: DAE3 Sn466; Calibrated: 2008-07-17
 - Phantom: HAC Test Arch; Type: SD HAC P01 BA

H Scan 10mm above Device Reference/Hearing Aid Compatibility Test (101x101x1): Measurement grid: dx=5mm, dy=5mm
 Maximum value of peak Total field = 0.105 A/m
 Probe Modulation Factor = 0.850
 Device Reference Point: 0.000, 0.000, 353.7 mm
 Reference Value = 0.063 A/m; Power Drift = -0.076 dB
Hearing Aid Near-Field Category: M4 (AWF 0 dB)

Peak H-field in A/m

Grid 1 0.099 M4	Grid 2 0.065 M4	Grid 3 0.037 M4
Grid 4 0.103 M4	Grid 5 0.067 M4	Grid 6 0.039 M4
Grid 7 0.105 M4	Grid 8 0.068 M4	Grid 9 0.040 M4

Cursor:
 Total = 0.105 A/m
 H Category: M4
 Location: 25, 18.5, 365.6 mm



0 dB = 0.105A/m

Test Laboratory: HCT CO., LTD.
 Ambient Temperature / Channel 21.4 °C /777
 Test Date Aug.12, 2008

DUT: CDM8975; 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 71; Postprocessing SW: SEMCAD, V1.8 Build 176

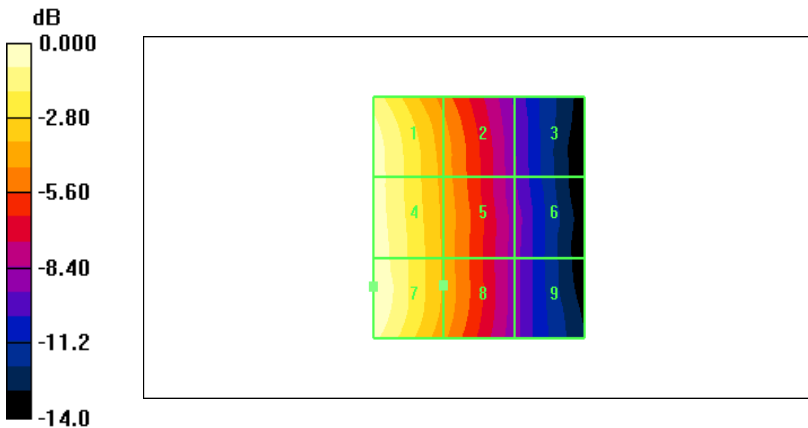
DASY4 Configuration:
 - Probe: H3DV6 - SN6101; ; Calibrated: 2008-05-19
 - Sensor-Surface: (Fix Surface)
 - Electronics: DAE3 Sn466; Calibrated: 2008-07-17
 - Phantom: HAC Test Arch; Type: SD HAC P01 BA

H Scan 10mm above Device Reference/Hearing Aid Compatibility Test (101x101x1): Measurement grid: dx=5mm, dy=5mm
 Maximum value of peak Total field = 0.100 A/m
 Probe Modulation Factor = 0.850
 Device Reference Point: 0.000, 0.000, 353.7 mm
 Reference Value = 0.059 A/m; Power Drift = 0.061 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	0.063 M4	0.035 M4
Grid 4	Grid 5	Grid 6
0.098 M4	0.064 M4	0.037 M4
Grid 7	Grid 8	Grid 9
0.100 M4	0.064 M4	0.036 M4

Cursor:
 Total = 0.100 A/m
 H Category: M4
 Location: 25, 14.5, 365.6 mm



0 dB = 0.100A/m

Test Laboratory: HCT CO., LTD.

Ambient Temperature / Channel 21.4 °C /25

Test Date Aug.12, 2008

DUT: CDM8975; 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 71; Postprocessing SW: SEMCAD, V1.8 Build 176

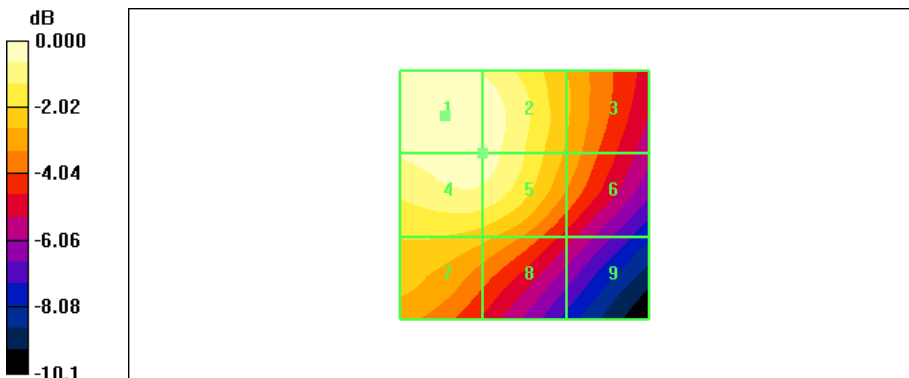
- DASY4 Configuration:
- Probe: H3DV6 - SN6101; ; Calibrated: 2008-05-19
 - Sensor-Surface: (Fix Surface)
 - Electronics: DAE3 Sn466; Calibrated: 2008-07-17
 - Phantom: HAC Test Arch; Type: SD HAC P01 BA

H Scan 10mm above Device Reference/Hearing Aid Compatibility Test (101x101x1): Measurement grid: dx=5mm, dy=5mm
 Maximum value of peak Total field = 0.085 A/m
 Probe Modulation Factor = 0.650
 Device Reference Point: 0.000, 0.000, 353.7 mm
 Reference Value = 0.112 A/m; Power Drift = -0.029 dB
Hearing Aid Near-Field Category: M4 (AWF 0 dB)

Peak H-field in A/m

Grid 1 0.085 M4	Grid 2 0.083 M4	Grid 3 0.063 M4
Grid 4 0.083 M4	Grid 5 0.082 M4	Grid 6 0.062 M4
Grid 7 0.068 M4	Grid 8 0.064 M4	Grid 9 0.048 M4

Cursor:
 Total = 0.085 A/m
 H Category: M4
 Location: 16, -16, 365.6 mm



0 dB = 0.085A/m

Test Laboratory: HCT CO., LTD.

Ambient Temperature / Channel 21.4 °C /600

Test Date Aug.12, 2008

DUT: CDM8975; 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 71; Postprocessing SW: SEMCAD, V1.8 Build 176

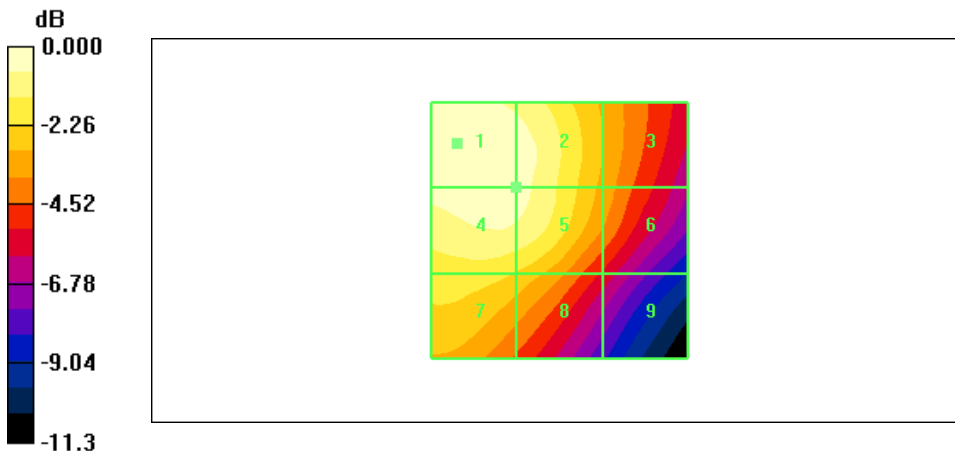
DASY4 Configuration:
 - Probe: H3DV6 - SN6101; ; Calibrated: 2008-05-19
 - Sensor-Surface: (Fix Surface)
 - Electronics: DAE3 Sn466; Calibrated: 2008-07-17
 - Phantom: HAC Test Arch; Type: SD HAC P01 BA

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 = 0.650
 Device Reference Point: 0.000, 0.000, 353.7 mm
 Reference Value = 0.123 A/m; Power Drift = -0.057 dB
Hearing Aid Near-Field Category: M4 (AWF 0 dB)

Peak H-field in A/m

Grid 1 0.095 M4	Grid 2 0.092 M4	Grid 3 0.067 M4
Grid 4 0.093 M4	Grid 5 0.091 M4	Grid 6 0.065 M4
Grid 7 0.077 M4	Grid 8 0.073 M4	Grid 9 0.051 M4

Cursor:
 Total = 0.095 A/m
 H Category: M4
 Location: 20, -17, 365.6 mm



0 dB = 0.095A/m

Test Laboratory: HCT CO., LTD.
 Ambient Temperature / Channel 21.4 °C /1175
 Test Date Aug.12, 2008

DUT: CDM8975; 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 71; Postprocessing SW: SEMCAD, V1.8 Build 176

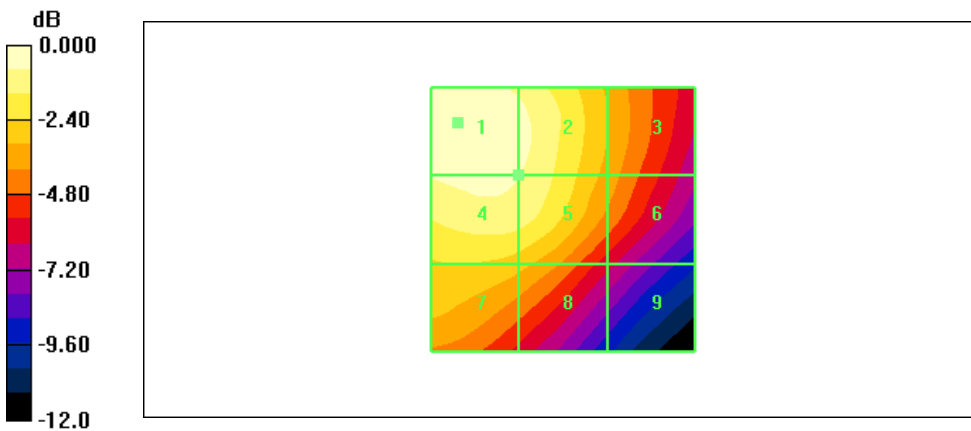
DASY4 Configuration:
 - Probe: H3DV6 - SN6101; ; Calibrated: 2008-05-19
 - Sensor-Surface: (Fix Surface)
 - Electronics: DAE3 Sn466; Calibrated: 2008-07-17
 - Phantom: HAC Test Arch; Type: SD HAC P01 BA

H Scan 10mm above Device Reference/Hearing Aid Compatibility Test (101x101x1): Measurement grid: dx=5mm, dy=5mm
 Maximum value of peak Total field = 0.084 A/m
 Probe Modulation Factor = 0.650
 Device Reference Point: 0.000, 0.000, 353.7 mm
 Reference Value = 0.104 A/m; Power Drift = -0.088 dB
Hearing Aid Near-Field Category: M4 (AWF 0 dB)

Peak H-field in A/m

Grid 1 0.084 M4	Grid 2 0.079 M4	Grid 3 0.058 M4
Grid 4 0.079 M4	Grid 5 0.077 M4	Grid 6 0.056 M4
Grid 7 0.064 M4	Grid 8 0.060 M4	Grid 9 0.042 M4

Cursor:
 Total = 0.084 A/m
 H Category: M4
 Location: 20, -18.5, 365.6 mm



0 dB = 0.084A/m