

APPENDIX A. HAC TEST PLOTS

Test Laboratory: HCT CO., LTD.

Ambient Temperature / Channel 21.3 °C /1013

Test Date May. 29, 2010

DUT: A310; Type: Bar; 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 - SN2347; ConvF(1, 1, 1); Calibrated: 2009-09-18
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn869; Calibrated: 2009-09-18
- 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 = 61.3 V/m

Probe Modulation Factor = 0.962

Device Reference Point: 0.000, 0.000, 353.7 mm

Reference Value = 84.8 V/m; Power Drift = 0.011 dB

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

Peak E-field in V/m

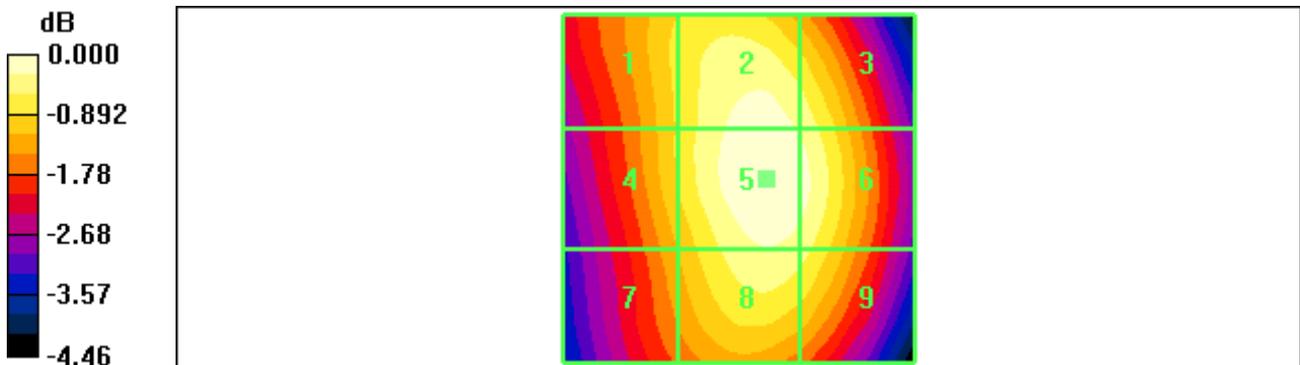
Grid 1	Grid 2	Grid 3
56.1 M4	60.4 M4	59.1 M4
Grid 4	Grid 5	Grid 6
55.8 M4	61.3 M4	60.2 M4
Grid 7	Grid 8	Grid 9
53.7 M4	59.2 M4	58.2 M4

Cursor:

Total = 61.3 V/m

E Category: M4

Location: -4, -1.5, 369.9 mm



0 dB = 61.3V/m

Test Laboratory: HCT CO., LTD.

Ambient Temperature / Channel 21.3 °C /384

Test Date May. 29, 2010

DUT: A310; Type: Bar; 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 - SN2347; ConvF(1, 1, 1); Calibrated: 2009-09-18
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn869; Calibrated: 2009-09-18
- 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 = 62.6 V/m

Probe Modulation Factor = 0.962

Device Reference Point: 0.000, 0.000, 353.7 mm

Reference Value = 86.5 V/m; Power Drift = 0.091 dB

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

Peak E-field in V/m

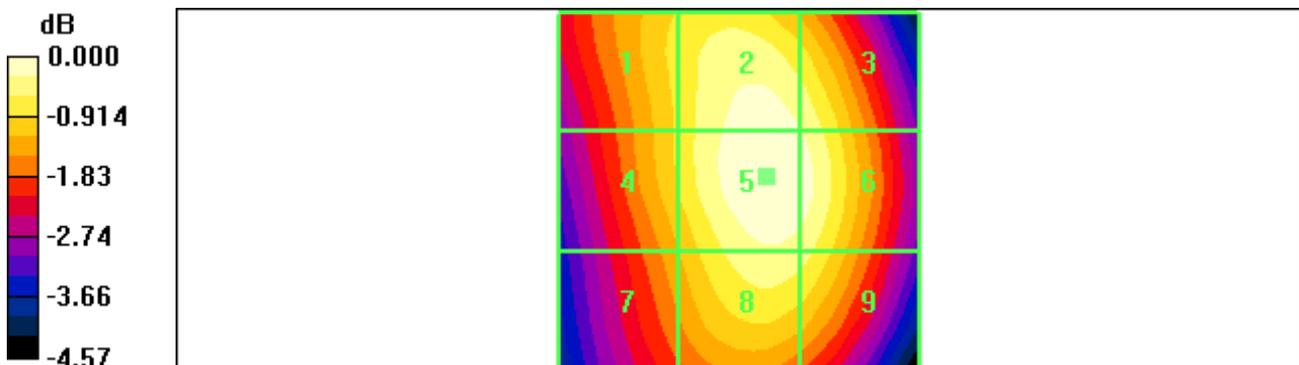
Grid 1	Grid 2	Grid 3
57.2 M4	61.8 M4	60.5 M4
Grid 4	Grid 5	Grid 6
56.8 M4	62.6 M4	61.6 M4
Grid 7	Grid 8	Grid 9
54.3 M4	60.2 M4	59.4 M4

Cursor:

Total = 62.6 V/m

E Category: M4

Location: -4, -2, 369.9 mm



0 dB = 62.6V/m

Test Laboratory: HCT CO., LTD.

Ambient Temperature / Channel 21.3 °C /777

Test Date May. 29, 2010

DUT: A310; Type: Bar; 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 - SN2347; ConvF(1, 1, 1); Calibrated: 2009-09-18
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn869; Calibrated: 2009-09-18
- 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):

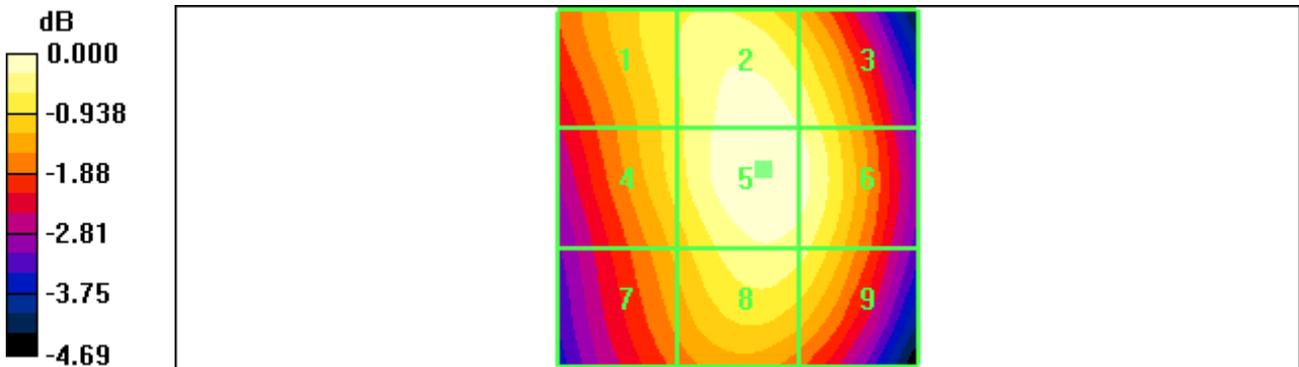
Measurement grid: dx=5mm, dy=5mm
 Maximum value of peak Total field = 63.9 V/m
 Probe Modulation Factor = 0.952
 Device Reference Point: 0.000, 0.000, 353.7 mm
 Reference Value = 90.7 V/m; Power Drift = -0.059 dB
Hearing Aid Near-Field Category: M4 (AWF 0 dB)

Peak E-field in V/m

Grid 1	Grid 2	Grid 3
59.4 M4	63.2 M4	61.7 M4
Grid 4	Grid 5	Grid 6
58.8 M4	63.9 M4	62.7 M4
Grid 7	Grid 8	Grid 9
56.1 M4	61.4 M4	60.4 M4

Cursor:

Total = 63.9 V/m
 E Category: M4
 Location: -3.5, -2.5, 369.9 mm



0 dB = 63.9V/m

Test Laboratory: HCT CO., LTD.

Ambient Temperature / Channel 21.3 °C /25

Test Date May. 29, 2010

DUT: A310; Type: Bar; 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 - SN2347; ConvF(1, 1, 1); Calibrated: 2009-09-18
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn869; Calibrated: 2009-09-18
- 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):

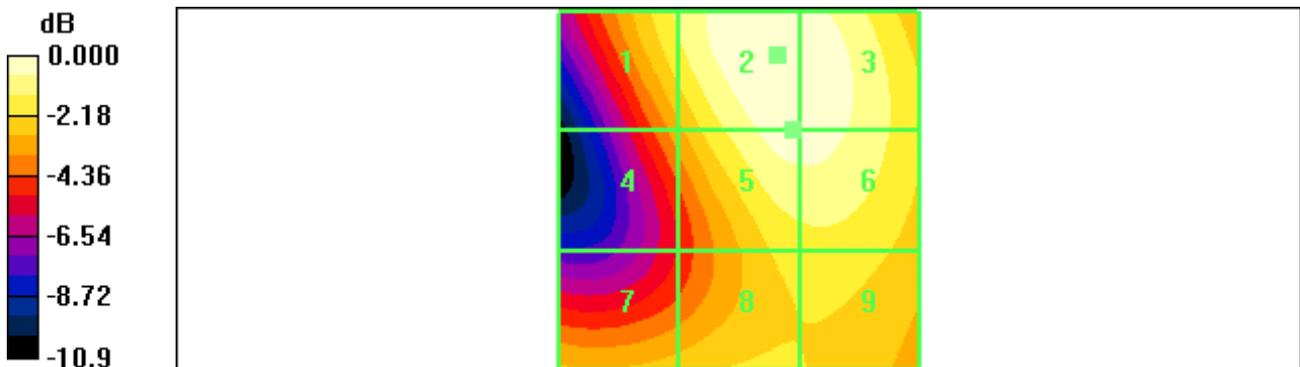
Measurement grid: dx=5mm, dy=5mm
 Maximum value of peak Total field = 36.5 V/m
 Probe Modulation Factor = 0.952
 Device Reference Point: 0.000, 0.000, 353.7 mm
 Reference Value = 38.2 V/m; Power Drift = 0.035 dB
Hearing Aid Near-Field Category: M4 (AWF 0 dB)

Peak E-field in V/m

Grid 1	Grid 2	Grid 3
31.3 M4	36.5 M4	36.2 M4
Grid 4	Grid 5	Grid 6
25.5 M4	35.0 M4	35.0 M4
Grid 7	Grid 8	Grid 9
27.4 M4	29.6 M4	30.0 M4

Cursor:

Total = 36.5 V/m
 E Category: M4
 Location: -5.5, -19, 369.9 mm



0 dB = 36.5V/m

Test Laboratory: HCT CO., LTD.

Ambient Temperature / Channel 21.3 °C /600

Test Date May. 29, 2010

DUT: A310; Type: Bar; 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 - SN2347; ConvF(1, 1, 1); Calibrated: 2009-09-18
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn869; Calibrated: 2009-09-18
- Phantom: HAC Test Arch; Type: SD HAC P01 BA

E Scan - ER3D - 2007: 15 mm from Probe Center to the Device/Hearing Aid Compatibility Test (101x101x1):

Measurement grid: dx=5mm, dy=5mm

Maximum value of peak Total field = 35.8 V/m

Probe Modulation Factor = 0.952

Device Reference Point: 0.000, 0.000, 353.7 mm

Reference Value = 36.6 V/m; Power Drift = -0.172 dB

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

Peak E-field in V/m

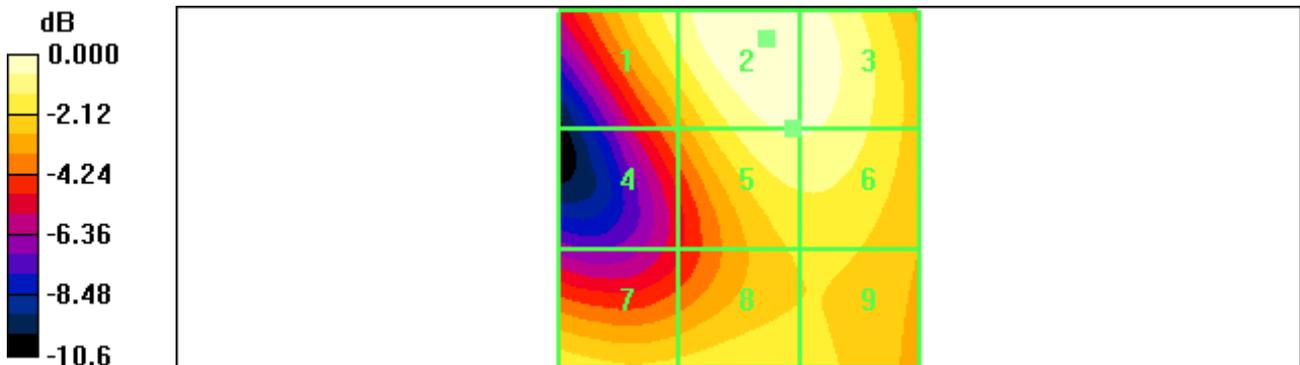
Grid 1	Grid 2	Grid 3
32.0 M4	35.8 M4	35.3 M4
Grid 4	Grid 5	Grid 6
24.6 M4	33.4 M4	33.3 M4
Grid 7	Grid 8	Grid 9
29.8 M4	29.9 M4	29.2 M4

Cursor:

Total = 35.8 V/m

E Category: M4

Location: -4, -21, 369.9 mm



0 dB = 35.8V/m

Test Laboratory: HCT CO., LTD.

Ambient Temperature / Channel 21.3 °C /1175

Test Date May. 29, 2010

DUT: A310; Type: Bar; 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 - SN2347; ConvF(1, 1, 1); Calibrated: 2009-09-18
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn869; Calibrated: 2009-09-18
- Phantom: HAC Test Arch; Type: SD HAC P01 BA

E Scan - ER3D - 2007: 15 mm from Probe Center to the Device/Hearing Aid Compatibility Test (101x101x1):

Measurement grid: dx=5mm, dy=5mm

Maximum value of peak Total field = 37.6 V/m

Probe Modulation Factor = 0.952

Device Reference Point: 0.000, 0.000, 353.7 mm

Reference Value = 36.0 V/m; Power Drift = 0.004 dB

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

Peak E-field in V/m

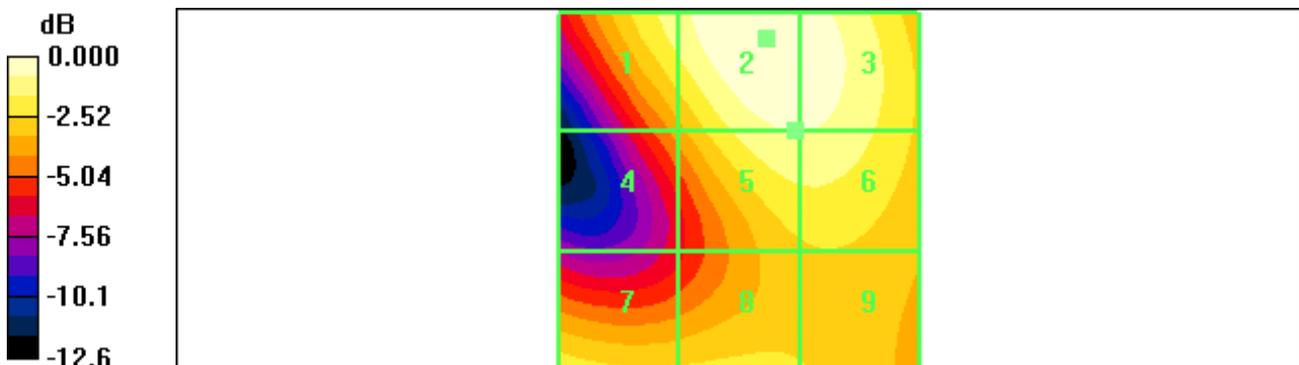
Grid 1	Grid 2	Grid 3
33.0 M4	37.6 M4	36.9 M4
Grid 4	Grid 5	Grid 6
24.6 M4	34.3 M4	34.3 M4
Grid 7	Grid 8	Grid 9
30.0 M4	29.0 M4	28.4 M4

Cursor:

Total = 37.6 V/m

E Category: M4

Location: -4, -21.5, 369.9 mm



0 dB = 37.6V/m

Test Laboratory: HCT CO., LTD.

Ambient Temperature / Channel 21.3 °C /25

Test Date May. 29, 2010

DUT: A310; Type: Bar; Serial: #1

Communication System: AWS 1700 MHz FCC; Frequency: 1711.25 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 - SN2347; ConvF(1, 1, 1); Calibrated: 2009-09-18
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn869; Calibrated: 2009-09-18
- Phantom: HAC Test Arch; Type: SD HAC P01 BA

E Scan - ER3D - 2007: 15 mm from Probe Center to the Device/Hearing Aid Compatibility Test (101x101x1):

Measurement grid: dx=5mm, dy=5mm

Maximum value of peak Total field = 37.9 V/m

Probe Modulation Factor = 0.952

Device Reference Point: 0.000, 0.000, 353.7 mm

Reference Value = 48.4 V/m; Power Drift = 0.194 dB

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

Peak E-field in V/m

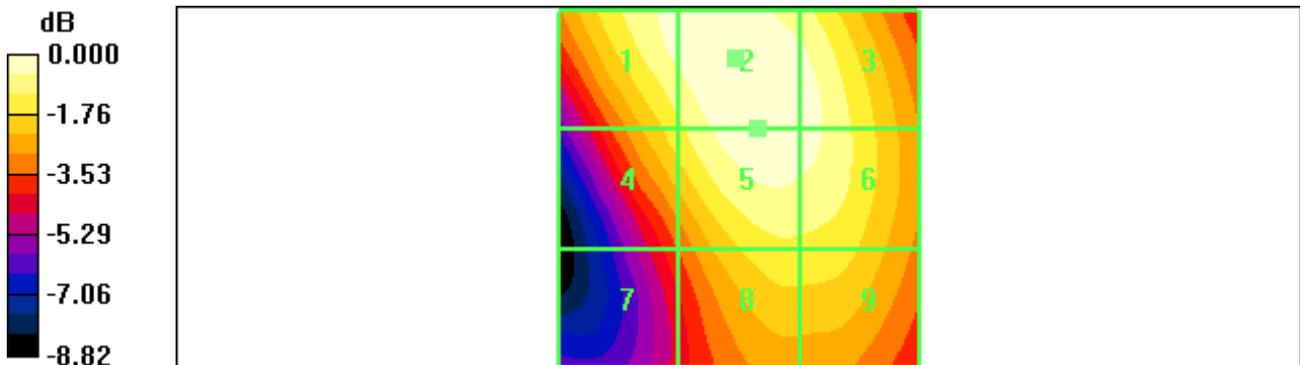
Grid 1	Grid 2	Grid 3
36.4 M4	37.9 M4	36.7 M4
Grid 4	Grid 5	Grid 6
32.5 M4	37.1 M4	36.6 M4
Grid 7	Grid 8	Grid 9
25.4 M4	32.6 M4	32.5 M4

Cursor:

Total = 37.9 V/m

E Category: M4

Location: 0.5, -18.5, 369.9 mm



0 dB = 37.9V/m

Test Laboratory: HCT CO., LTD.

Ambient Temperature / Channel 21.3 °C /450

Test Date May. 29, 2010

DUT: A310; Type: Bar; Serial: #1

Communication System: AWS 1700 MHz FCC; Frequency: 1732.5 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 - SN2347; ConvF(1, 1, 1); Calibrated: 2009-09-18
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn869; Calibrated: 2009-09-18
- 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 = 38.3 V/m

Probe Modulation Factor = 0.952

Device Reference Point: 0.000, 0.000, 353.7 mm

Reference Value = 44.8 V/m; Power Drift = 0.036 dB

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

Peak E-field in V/m

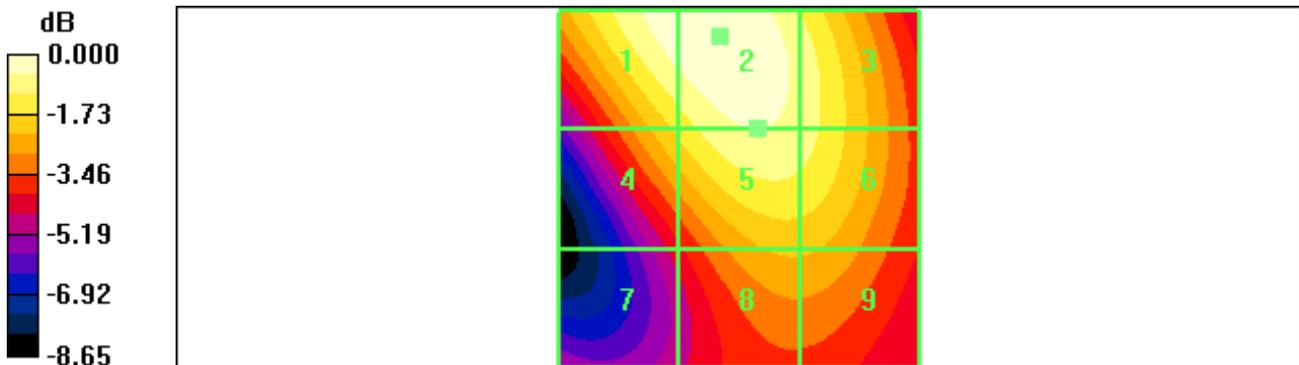
Grid 1	Grid 2	Grid 3
37.7 M4	38.3 M4	35.1 M4
Grid 4	Grid 5	Grid 6
32.1 M4	35.9 M4	34.7 M4
Grid 7	Grid 8	Grid 9
23.6 M4	29.8 M4	29.8 M4

Cursor:

Total = 38.3 V/m

E Category: M4

Location: 2.5, -21.5, 369.9 mm



0 dB = 38.3V/m

Test Laboratory: HCT CO., LTD.

Ambient Temperature / Channel 21.3 °C /875

Test Date May. 29, 2010

DUT: A310; Type: Bar; Serial: #1

Communication System: AWS 1700 MHz FCC; Frequency: 1753.75 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 - SN2347; ConvF(1, 1, 1); Calibrated: 2009-09-18
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn869; Calibrated: 2009-09-18
- 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 = 45.4 V/m

Probe Modulation Factor = 0.952

Device Reference Point: 0.000, 0.000, 353.7 mm

Reference Value = 48.7 V/m; Power Drift = 0.038 dB

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

Peak E-field in V/m

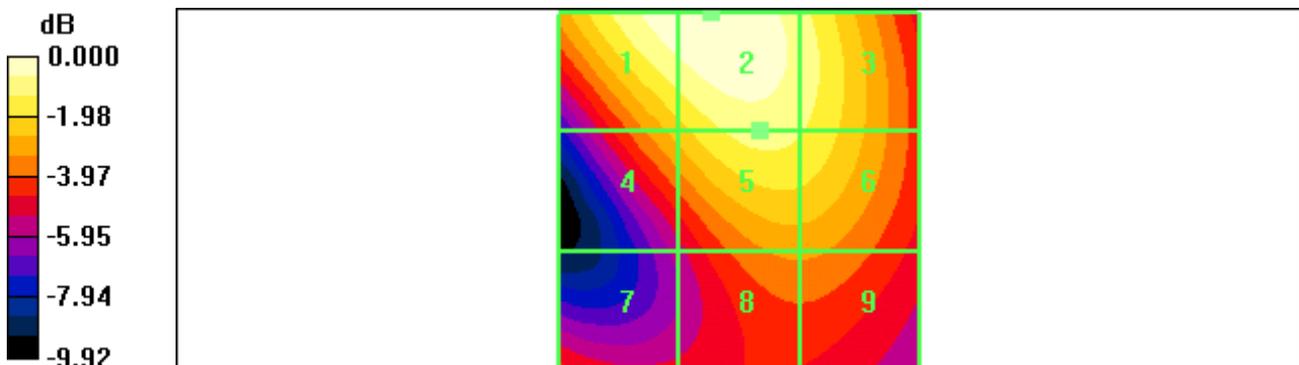
Grid 1	Grid 2	Grid 3
44.6 M4	45.4 M4	41.0 M4
Grid 4	Grid 5	Grid 6
34.9 M4	40.3 M4	39.2 M4
Grid 7	Grid 8	Grid 9
27.4 M4	31.6 M4	31.6 M4

Cursor:

Total = 45.4 V/m

E Category: M4

Location: 4, -25, 369.9 mm



0 dB = 45.4V/m

Test Laboratory: HCT CO., LTD.

Ambient Temperature / Channel 21.5 °C /1013

Test Date May. 30, 2010

DUT: A310; Type: Bar; 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 - SN6164; ; Calibrated: 2009-09-21
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn869; Calibrated: 2009-09-18
- 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 = 0.121 A/m

Probe Modulation Factor = 0.849

Device Reference Point: 0.000, 0.000, 353.7 mm

Reference Value = 0.078 A/m; Power Drift = 0.052 dB

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

Peak H-field in A/m

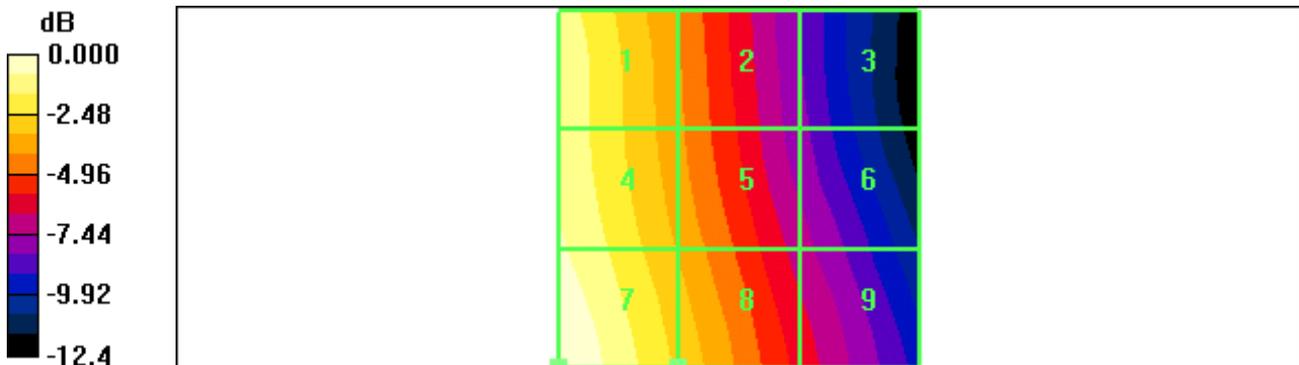
Grid 1	Grid 2	Grid 3
0.108 M4	0.077 M4	0.049 M4
Grid 4	Grid 5	Grid 6
0.112 M4	0.082 M4	0.054 M4
Grid 7	Grid 8	Grid 9
0.121 M4	0.090 M4	0.060 M4

Cursor:

Total = 0.121 A/m

H Category: M4

Location: 25, 25, 369.4 mm



0 dB = 0.121A/m

Test Laboratory: HCT CO., LTD.

Ambient Temperature / Channel 21.5 °C /384

Test Date May. 30, 2010

DUT: A310; Type: Bar; 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 - SN6164; ; Calibrated: 2009-09-21
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn869; Calibrated: 2009-09-18
- 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 = 0.144 A/m

Probe Modulation Factor = 1.00

Device Reference Point: 0.000, 0.000, 353.7 mm

Reference Value = 0.076 A/m; Power Drift = 0.013 dB

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

Peak H-field in A/m

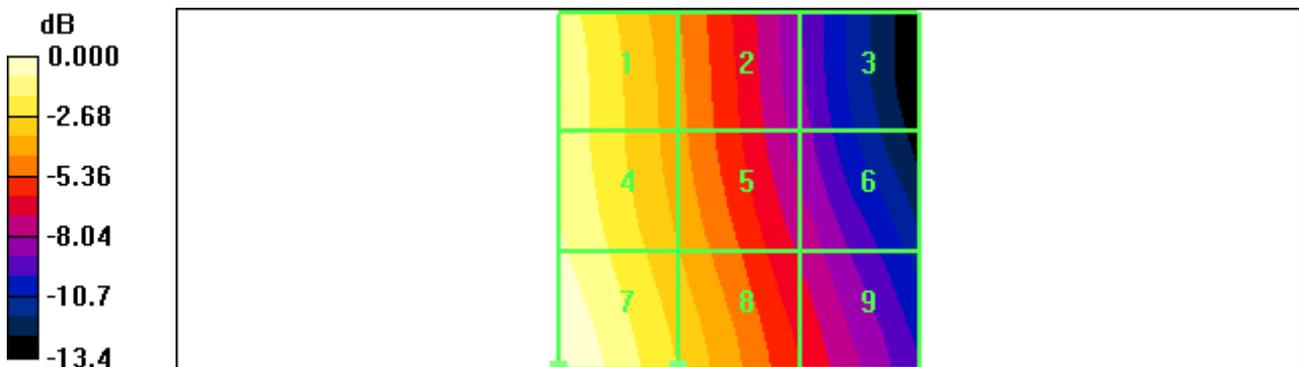
Grid 1	Grid 2	Grid 3
0.127 M4	0.090 M4	0.054 M4
Grid 4	Grid 5	Grid 6
0.132 M4	0.096 M4	0.062 M4
Grid 7	Grid 8	Grid 9
0.144 M4	0.106 M4	0.070 M4

Cursor:

Total = 0.144 A/m

H Category: M4

Location: 25, 25, 369.4 mm



0 dB = 0.144A/m

Test Laboratory: HCT CO., LTD.

Ambient Temperature / Channel 21.5 °C /777

Test Date May. 30, 2010

DUT: A310; Type: Bar; 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 - SN6164; ; Calibrated: 2009-09-21
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn869; Calibrated: 2009-09-18
- 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 = 0.122 A/m

Probe Modulation Factor = 0.849

Device Reference Point: 0.000, 0.000, 353.7 mm

Reference Value = 0.076 A/m; Power Drift = 0.013 dB

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

Peak H-field in A/m

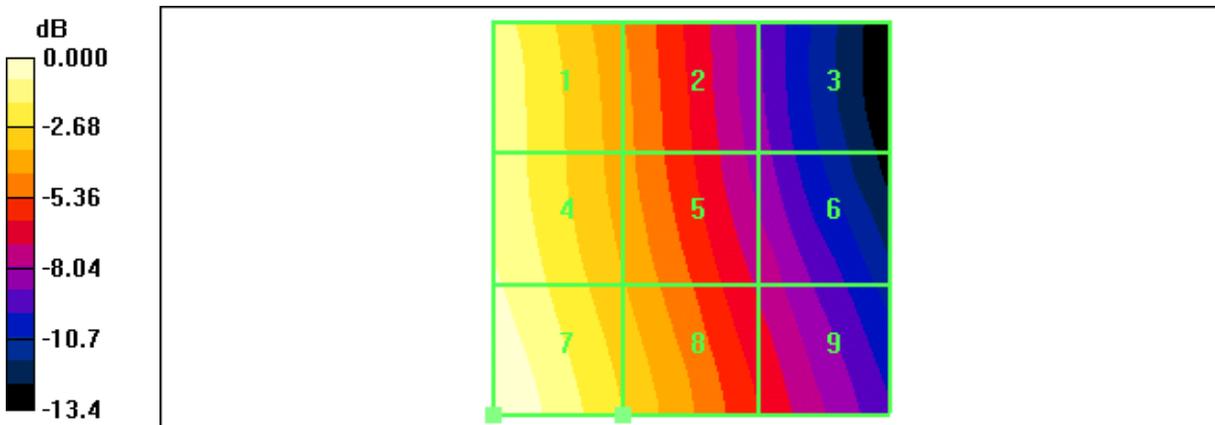
Grid 1	Grid 2	Grid 3
0.108 M4	0.076 M4	0.046 M4
Grid 4	Grid 5	Grid 6
0.112 M4	0.082 M4	0.053 M4
Grid 7	Grid 8	Grid 9
0.122 M4	0.090 M4	0.060 M4

Cursor:

Total = 0.122 A/m

H Category: M4

Location: 25, 25, 369.4 mm



0 dB = 0.122A/m

Test Laboratory: HCT CO., LTD.

Ambient Temperature / Channel 21.5 °C /25

Test Date May. 30, 2010

DUT: A310; Type: Bar; 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 - SN6164; ; Calibrated: 2009-09-21
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn869; Calibrated: 2009-09-18
- 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 = 0.127 A/m

Probe Modulation Factor = 0.849

Device Reference Point: 0.000, 0.000, 353.7 mm

Reference Value = 0.076 A/m; Power Drift = 0.192 dB

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

Peak H-field in A/m

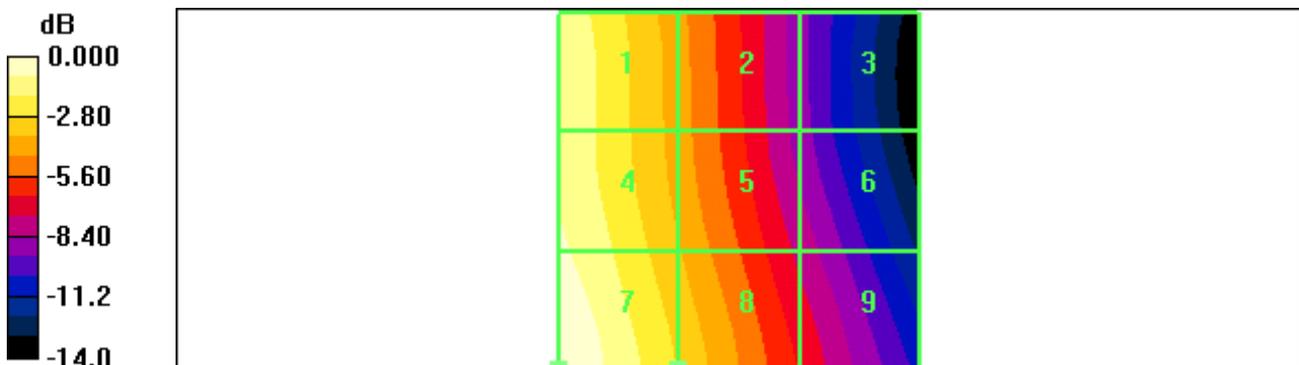
Grid 1	Grid 2	Grid 3
0.113 M4	0.079 M4	0.046 M4
Grid 4	Grid 5	Grid 6
0.116 M4	0.084 M4	0.052 M4
Grid 7	Grid 8	Grid 9
0.127 M4	0.092 M4	0.060 M4

Cursor:

Total = 0.127 A/m

H Category: M4

Location: 25, 25, 369.4 mm



0 dB = 0.127A/m

Test Laboratory: HCT CO., LTD.

Ambient Temperature / Channel 21.5 °C /25

Test Date May. 30, 2010

DUT: A310; Type: Bar; 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

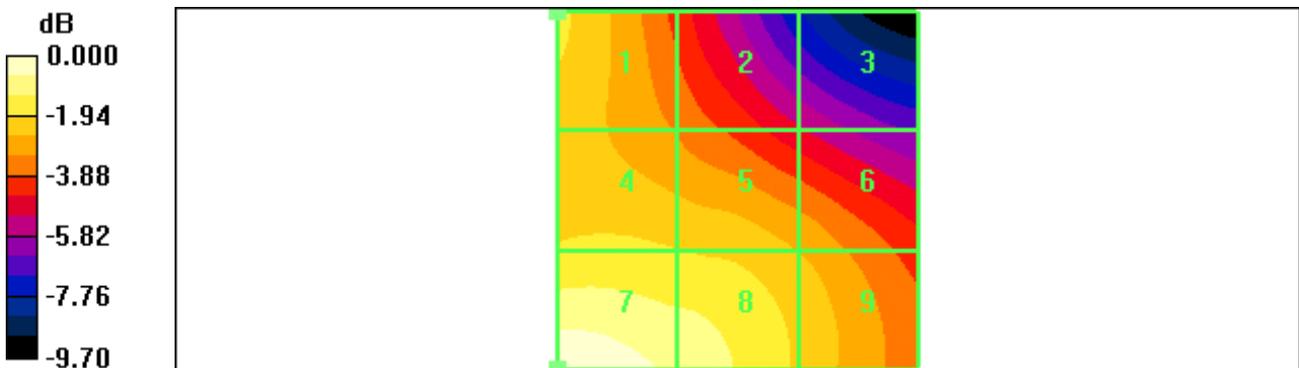
- DASY4 Configuration:
- Probe: H3DV6 - SN6164; ; Calibrated: 2009-09-21
 - Sensor-Surface: (Fix Surface)
 - Electronics: DAE4 Sn869; Calibrated: 2009-09-18
 - Phantom: HAC Test Arch; Type: SD HAC P01 BA

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 = 0.090 A/m
 Probe Modulation Factor = 0.781
 Device Reference Point: 0.000, 0.000, 353.7 mm
 Reference Value = 0.087 A/m; Power Drift = 0.128 dB
Hearing Aid Near-Field Category: M4 (AWF 0 dB)

Peak H-field in A/m

Grid 1	Grid 2	Grid 3
0.073 M4	0.062 M4	0.050 M4
Grid 4	Grid 5	Grid 6
0.074 M4	0.072 M4	0.067 M4
Grid 7	Grid 8	Grid 9
0.090 M4	0.082 M4	0.071 M4

Cursor:
 Total = 0.090 A/m
 H Category: M4
 Location: 25, 25, 369.4 mm



0 dB = 0.090A/m

Test Laboratory: HCT CO., LTD.

Ambient Temperature / Channel 21.5 °C /600

Test Date May. 30, 2010

DUT: A310; Type: Bar; 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

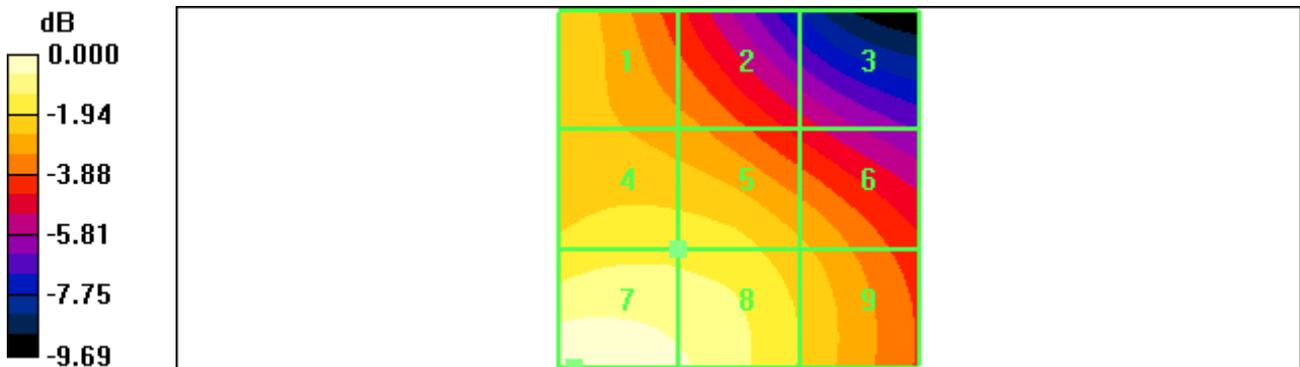
DASY4 Configuration:
 - Probe: H3DV6 - SN6164; ; Calibrated: 2009-09-21
 - Sensor-Surface: (Fix Surface)
 - Electronics: DAE4 Sn869; Calibrated: 2009-09-18
 - Phantom: HAC Test Arch; Type: SD HAC P01 BA

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 = 0.095 A/m
 Probe Modulation Factor = 0.781
 Device Reference Point: 0.000, 0.000, 353.7 mm
 Reference Value = 0.099 A/m; Power Drift = -0.040 dB
Hearing Aid Near-Field Category: M4 (AWF 0 dB)

Peak H-field in A/m

Grid 1 0.075 M4	Grid 2 0.068 M4	Grid 3 0.055 M4
Grid 4 0.080 M4	Grid 5 0.080 M4	Grid 6 0.072 M4
Grid 7 0.095 M4	Grid 8 0.089 M4	Grid 9 0.076 M4

Cursor:
 Total = 0.095 A/m
 H Category: M4
 Location: 23, 25, 369.4 mm



0 dB = 0.095A/m

Test Laboratory: HCT CO., LTD.

Ambient Temperature / Channel 21.5 °C /1175

Test Date May. 30, 2010

DUT: A310; Type: Bar; 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 - SN6164; ; Calibrated: 2009-09-21
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn869; Calibrated: 2009-09-18
- 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 = 0.089 A/m

Probe Modulation Factor = 0.781

Device Reference Point: 0.000, 0.000, 353.7 mm

Reference Value = 0.105 A/m; Power Drift = 0.058 dB

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

Peak H-field in A/m

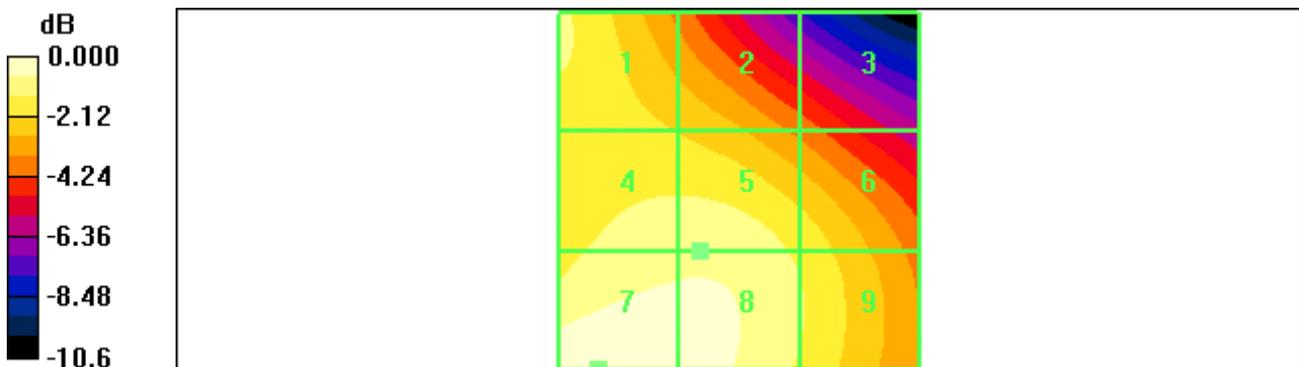
Grid 1	Grid 2	Grid 3
0.077 M4	0.070 M4	0.058 M4
Grid 4	Grid 5	Grid 6
0.080 M4	0.080 M4	0.074 M4
Grid 7	Grid 8	Grid 9
0.089 M4	0.086 M4	0.076 M4

Cursor:

Total = 0.089 A/m

H Category: M4

Location: 19.5, 25, 369.4 mm



0 dB = 0.089A/m

Test Laboratory: HCT CO., LTD.

Ambient Temperature / Channel 21.5 °C /25

Test Date May. 30, 2010

DUT: A310; Type: Bar; Serial: #1

Communication System: AWS 1700 MHz FCC; Frequency: 1711.25 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 - SN6164; ; Calibrated: 2009-09-21
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn869; Calibrated: 2009-09-18
- 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 = 0.095 A/m

Probe Modulation Factor = 0.781

Device Reference Point: 0.000, 0.000, 353.7 mm

Reference Value = 0.061 A/m; Power Drift = 0.084 dB

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

Peak H-field in A/m

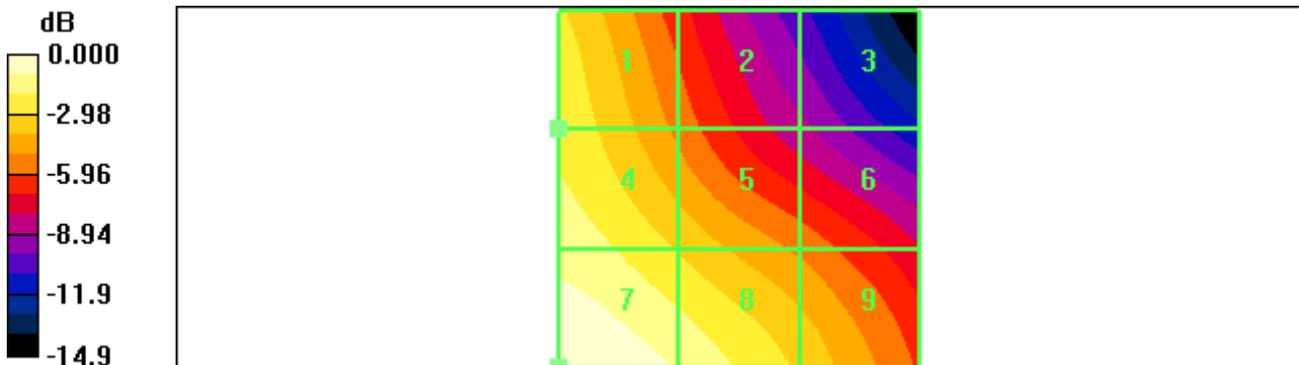
Grid 1 0.074 M4	Grid 2 0.052 M4	Grid 3 0.035 M4
Grid 4 0.082 M4	Grid 5 0.067 M4	Grid 6 0.052 M4
Grid 7 0.095 M4	Grid 8 0.084 M4	Grid 9 0.066 M4

Cursor:

Total = 0.095 A/m

H Category: M4

Location: 25, 25, 369.4 mm



0 dB = 0.095A/m

Test Laboratory: HCT CO., LTD.

Ambient Temperature / Channel 21.5 °C /450

Test Date May. 30, 2010

DUT: A310; Type: Bar; Serial: #1

Communication System: AWS 1700 MHz FCC; Frequency: 1732.5 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 - SN6164; ; Calibrated: 2009-09-21
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn869; Calibrated: 2009-09-18
- 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 = 0.086 A/m

Probe Modulation Factor = 0.781

Device Reference Point: 0.000, 0.000, 353.7 mm

Reference Value = 0.064 A/m; Power Drift = -0.070 dB

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

Peak H-field in A/m

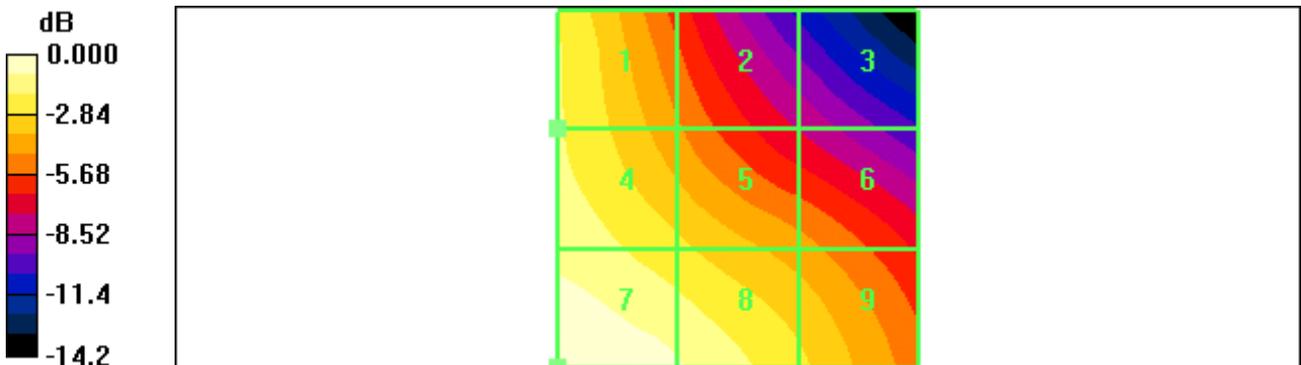
Grid 1	Grid 2	Grid 3
0.070 M4	0.051 M4	0.036 M4
Grid 4	Grid 5	Grid 6
0.075 M4	0.064 M4	0.053 M4
Grid 7	Grid 8	Grid 9
0.086 M4	0.078 M4	0.064 M4

Cursor:

Total = 0.086 A/m

H Category: M4

Location: 25, 25, 369.4 mm



0 dB = 0.086A/m

Test Laboratory: HCT CO., LTD.

Ambient Temperature / Channel 21.5 °C /875

Test Date May. 30, 2010

DUT: A310; Type: Bar; Serial: #1

Communication System: AWS 1700 MHz FCC; Frequency: 1753.75 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

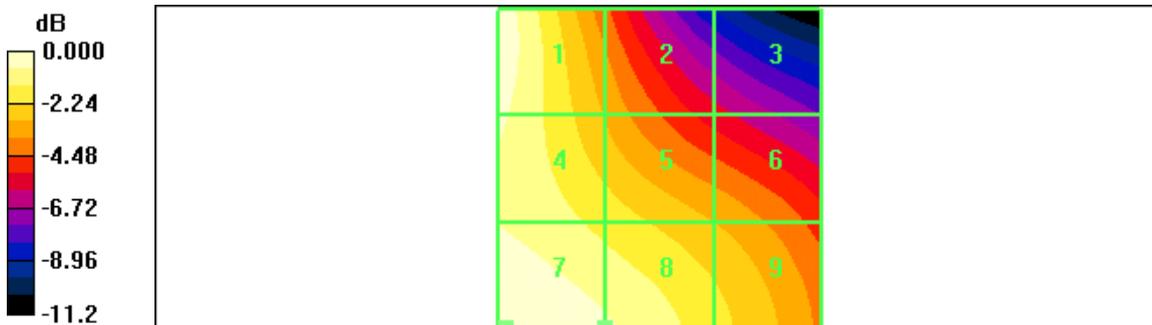
DASY4 Configuration:
 - Probe: H3DV6 - SN6164; ; Calibrated: 2009-09-21
 - Sensor-Surface: (Fix Surface)
 - Electronics: DAE4 Sn869; Calibrated: 2009-09-18
 - Phantom: HAC Test Arch; Type: SD HAC P01 BA

H Scan - H3DV6 - 2007: 15 mm from Probe Center to the Device/Hearing Aid Compatibility Test (101x101x1):
 Measurement grid: dx=5mm, dy=5mm
 Maximum value of peak Total field = 0.093 A/m
 Probe Modulation Factor = 0.781
 Device Reference Point: 0.000, 0.000, 353.7 mm
 Reference Value = 0.084 A/m; Power Drift = 0.024 dB
Hearing Aid Near-Field Category: M4 (AWF 0 dB)

Peak H-field in A/m

Grid 1	Grid 2	Grid 3
0.091 M4	0.066 M4	0.049 M4
Grid 4	Grid 5	Grid 6
0.087 M4	0.076 M4	0.066 M4
Grid 7	Grid 8	Grid 9
0.093 M4	0.087 M4	0.074 M4

Cursor:
 Total = 0.093 A/m
 H Category: M4
 Location: 24, 25, 369.4 mm



0 dB = 0.093A/m