

## **APPENDIX A. HAC TEST PLOTS**

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Test Laboratory: HCT CO., LTD.

Ambient Temperature / Channel 21.3 °C /1013

Test Date May. 29, 2010

**DUT: A210; 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/m<sup>3</sup>  
 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):**

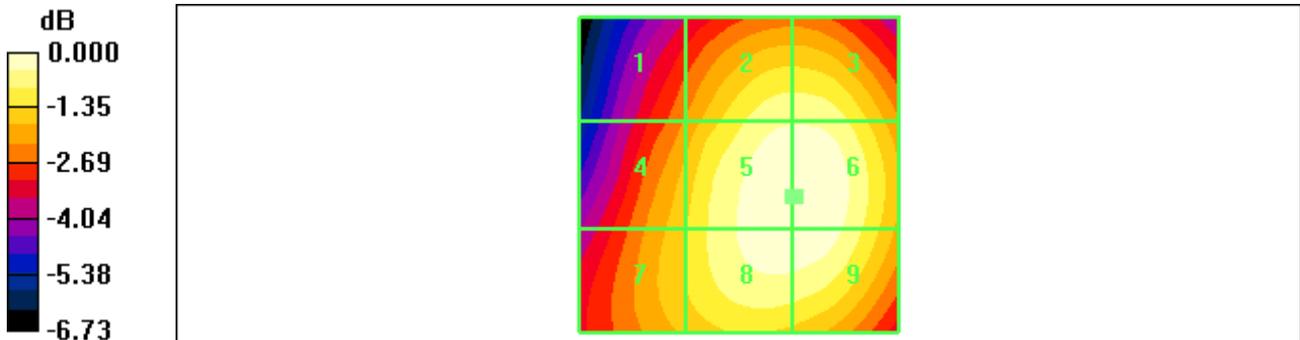
Measurement grid: dx=5mm, dy=5mm  
 Maximum value of peak Total field = 38.1 V/m  
 Probe Modulation Factor = 0.956  
 Device Reference Point: 0.000, 0.000, 353.7 mm  
 Reference Value = 49.8 V/m; Power Drift = 0.061 dB  
**Hearing Aid Near-Field Category: M4 (AWF 0 dB)**

Peak E-field in V/m

Grid 1	Grid 2	Grid 3
29.6 M4	36.0 M4	36.0 M4
Grid 4	Grid 5	Grid 6
32.5 M4	38.1 M4	38.1 M4
Grid 7	Grid 8	Grid 9
32.7 M4	37.8 M4	37.8 M4

**Cursor:**

Total = 38.1 V/m  
 E Category: M4  
 Location: -9, 3.5, 369.9 mm



0 dB = 38.1V/m

Test Laboratory: HCT CO., LTD.

Ambient Temperature / Channel 21.3 °C /384

Test Date May. 29, 2010

**DUT: A210; 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/m<sup>3</sup>  
 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):**

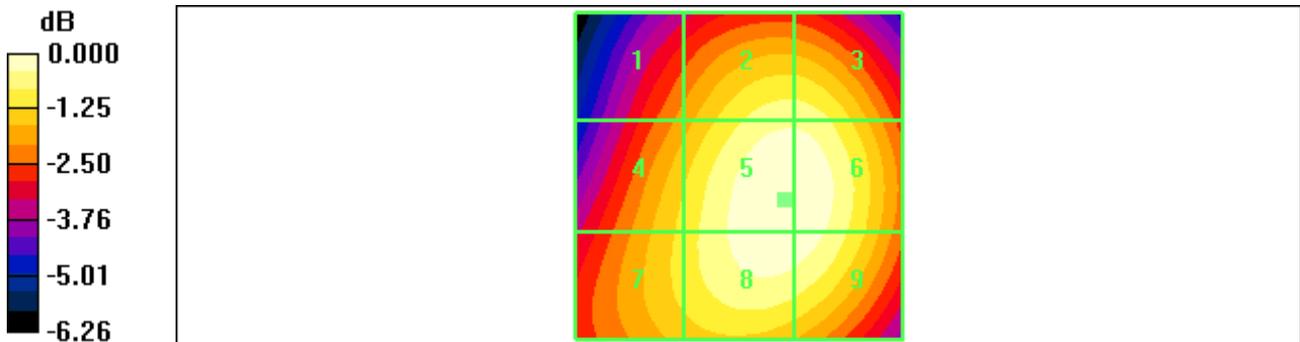
Measurement grid: dx=5mm, dy=5mm  
 Maximum value of peak Total field = 41.4 V/m  
 Probe Modulation Factor = 0.956  
 Device Reference Point: 0.000, 0.000, 353.7 mm  
 Reference Value = 56.1 V/m; Power Drift = -0.017 dB  
**Hearing Aid Near-Field Category: M4 (AWF 0 dB)**

Peak E-field in V/m

Grid 1	Grid 2	Grid 3
33.4 M4	39.0 M4	39.0 M4
Grid 4	Grid 5	Grid 6
36.5 M4	41.4 M4	41.3 M4
Grid 7	Grid 8	Grid 9
36.7 M4	41.1 M4	40.9 M4

**Cursor:**

Total = 41.4 V/m  
 E Category: M4  
 Location: -7, 3.5, 369.9 mm



0 dB = 41.4V/m

Test Laboratory: HCT CO., LTD.  
 Ambient Temperature / Channel 21.3 °C /777  
 Test Date May. 29, 2010

**DUT: A210; 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/m<sup>3</sup>  
 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):**

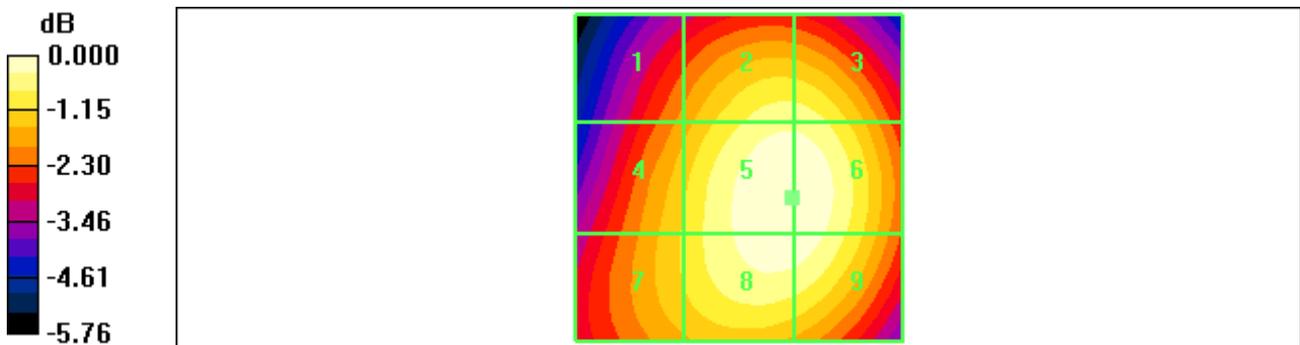
Measurement grid: dx=5mm, dy=5mm  
 Maximum value of peak Total field = 41.1 V/m  
 Probe Modulation Factor = 0.956  
 Device Reference Point: 0.000, 0.000, 353.7 mm  
 Reference Value = 55.5 V/m; Power Drift = -0.010 dB  
**Hearing Aid Near-Field Category: M4 (AWF 0 dB)**

Peak E-field in V/m

Grid 1	Grid 2	Grid 3
33.7 M4	38.9 M4	38.9 M4
Grid 4	Grid 5	Grid 6
36.2 M4	41.1 M4	41.1 M4
Grid 7	Grid 8	Grid 9
36.3 M4	40.7 M4	40.6 M4

**Cursor:**

Total = 41.1 V/m  
 E Category: M4  
 Location: -8, 3, 369.9 mm



0 dB = 41.1V/m

Test Laboratory: HCT CO., LTD.

Ambient Temperature / Channel 21.3 °C /25

Test Date May. 29, 2010

**DUT: A210; 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/m<sup>3</sup>  
 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):**

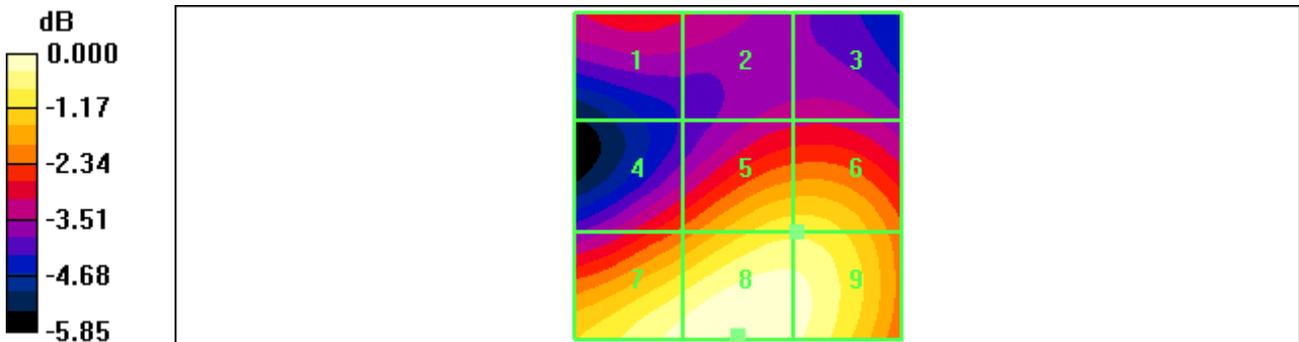
Measurement grid: dx=5mm, dy=5mm  
 Maximum value of peak Total field = 26.0 V/m  
 Probe Modulation Factor = 0.960  
 Device Reference Point: 0.000, 0.000, 353.7 mm  
 Reference Value = 22.2 V/m; Power Drift = 0.021 dB  
**Hearing Aid Near-Field Category: M4 (AWF 0 dB)**

Peak E-field in V/m

Grid 1	Grid 2	Grid 3
18.6 M4	18.3 M4	18.0 M4
Grid 4	Grid 5	Grid 6
20.2 M4	23.5 M4	23.5 M4
Grid 7	Grid 8	Grid 9
25.3 M4	26.0 M4	25.4 M4

**Cursor:**

Total = 26.0 V/m  
 E Category: M4  
 Location: 0, 24.5, 369.9 mm



0 dB = 26.0V/m

Test Laboratory: HCT CO., LTD.

Ambient Temperature / Channel 21.3 °C /600

Test Date May. 29, 2010

**DUT: A210; 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/m<sup>3</sup>  
 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):**

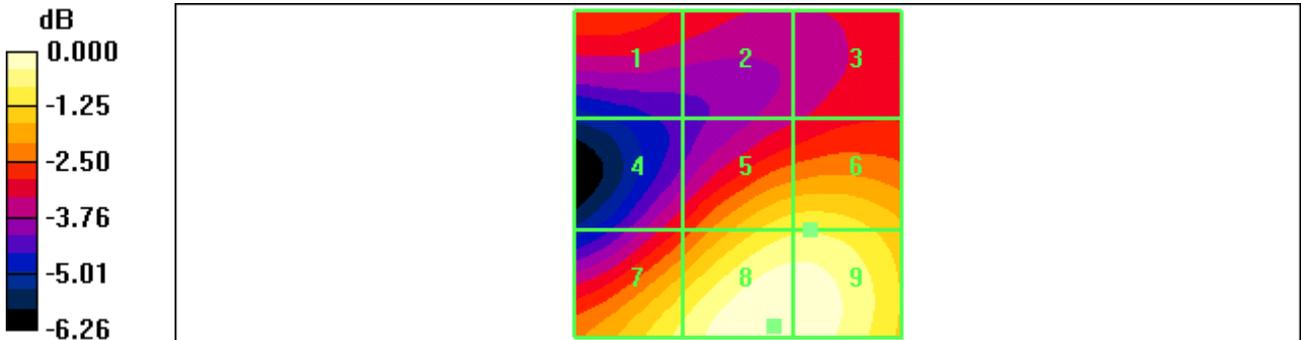
Measurement grid: dx=5mm, dy=5mm  
 Maximum value of peak Total field = 29.8 V/m  
 Probe Modulation Factor = 0.960  
 Device Reference Point: 0.000, 0.000, 353.7 mm  
 Reference Value = 23.7 V/m; Power Drift = -0.117 dB  
**Hearing Aid Near-Field Category: M4 (AWF 0 dB)**

Peak E-field in V/m

Grid 1	Grid 2	Grid 3
21.9 M4	21.2 M4	21.3 M4
Grid 4	Grid 5	Grid 6
21.6 M4	26.8 M4	26.9 M4
Grid 7	Grid 8	Grid 9
27.5 M4	29.8 M4	29.6 M4

**Cursor:**

Total = 29.8 V/m  
 E Category: M4  
 Location: -5.5, 23.5, 369.9 mm



0 dB = 29.8V/m

Test Laboratory: HCT CO., LTD.

Ambient Temperature / Channel 21.3 °C /1175

Test Date May. 29, 2010

**DUT: A210; 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/m<sup>3</sup>  
 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):**

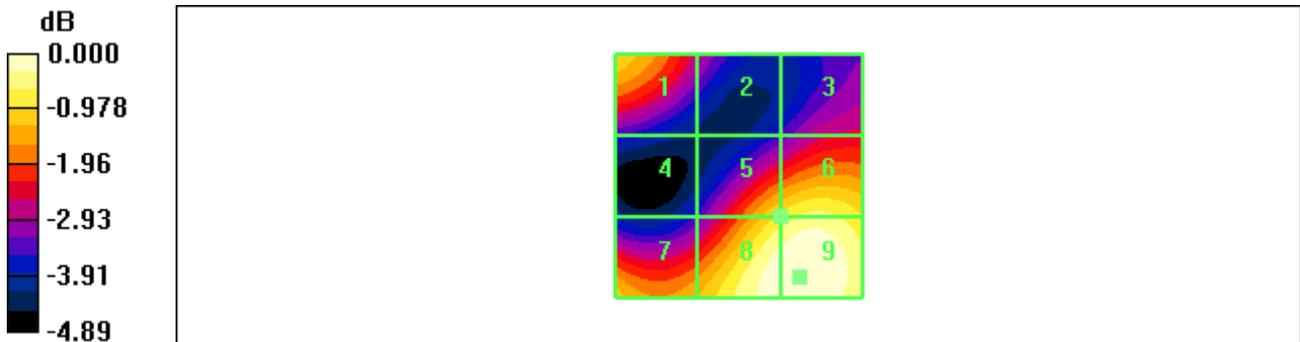
Measurement grid: dx=5mm, dy=5mm  
 Maximum value of peak Total field = 18.5 V/m  
 Probe Modulation Factor = 0.960  
 Device Reference Point: 0.000, 0.000, 353.7 mm  
 Reference Value = 15.4 V/m; Power Drift = 0.003 dB  
**Hearing Aid Near-Field Category: M4 (AWF 0 dB)**

Peak E-field in V/m

Grid 1	Grid 2	Grid 3
16.3 M4	13.5 M4	13.8 M4
Grid 4	Grid 5	Grid 6
12.4 M4	16.8 M4	17.4 M4
Grid 7	Grid 8	Grid 9
16.3 M4	18.3 M4	18.5 M4

**Cursor:**

Total = 18.5 V/m  
 E Category: M4  
 Location: -12.5, 20.5, 369.9 mm



0 dB = 18.5V/m

Test Laboratory: HCT CO., LTD.

Ambient Temperature / Channel 21.3 °C /25

Test Date May. 29, 2010

**DUT: A210; Type: folder; 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/m<sup>3</sup>  
 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):**

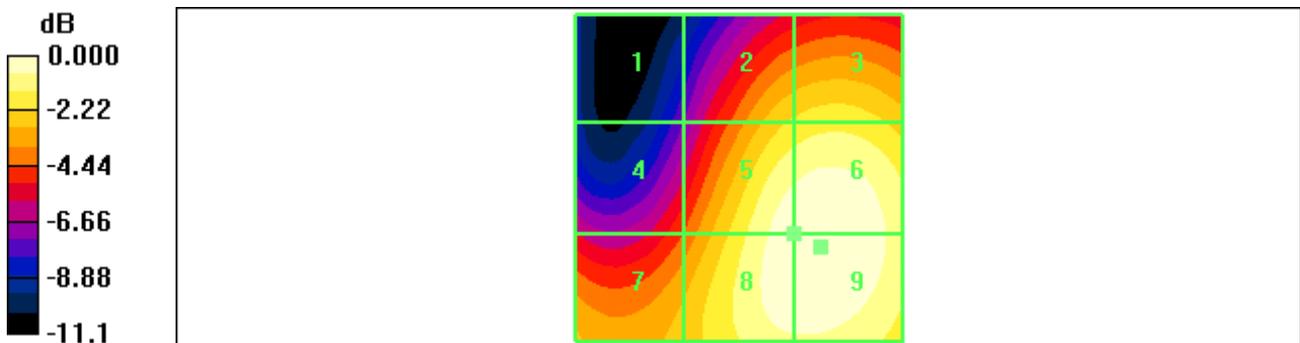
Measurement grid: dx=5mm, dy=5mm  
 Maximum value of peak Total field = 26.6 V/m  
 Probe Modulation Factor = 0.960  
 Device Reference Point: 0.000, 0.000, 353.7 mm  
 Reference Value = 28.2 V/m; Power Drift = 0.047 dB  
**Hearing Aid Near-Field Category: M4 (AWF 0 dB)**

Peak E-field in V/m

Grid 1	Grid 2	Grid 3
11.4 M4	21.0 M4	21.9 M4
Grid 4	Grid 5	Grid 6
16.0 M4	26.0 M4	26.5 M4
Grid 7	Grid 8	Grid 9
19.7 M4	26.2 M4	26.6 M4

**Cursor:**

Total = 26.6 V/m  
 E Category: M4  
 Location: -12.5, 10.5, 369.9 mm



0 dB = 26.6V/m

Test Laboratory: HCT CO., LTD.

Ambient Temperature / Channel 21.3 °C /450

Test Date May. 29, 2010

**DUT: A210; Type: folder; 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/m<sup>3</sup>  
 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):**

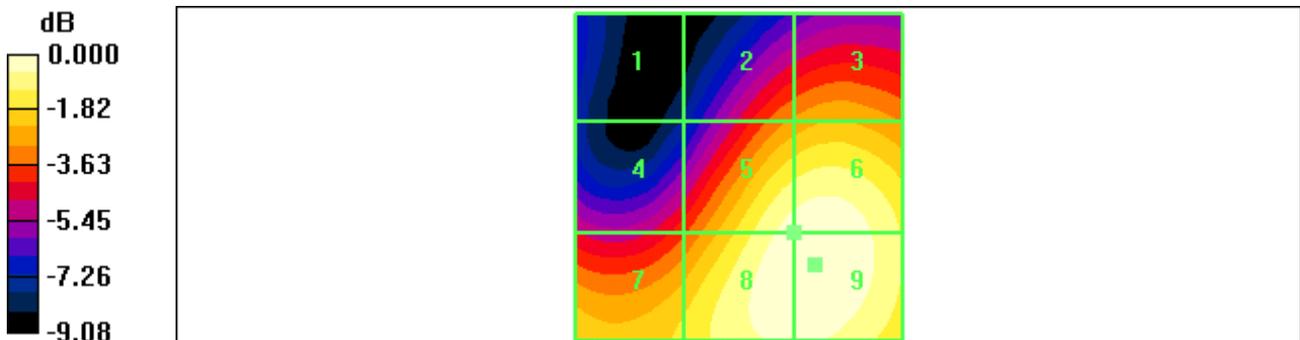
Measurement grid: dx=5mm, dy=5mm  
 Maximum value of peak Total field = 24.5 V/m  
 Probe Modulation Factor = 0.960  
 Device Reference Point: 0.000, 0.000, 353.7 mm  
 Reference Value = 24.3 V/m; Power Drift = 0.065 dB  
**Hearing Aid Near-Field Category: M4 (AWF 0 dB)**

Peak E-field in V/m

Grid 1	Grid 2	Grid 3
11.3 M4	17.7 M4	18.6 M4
Grid 4	Grid 5	Grid 6
15.9 M4	23.7 M4	24.1 M4
Grid 7	Grid 8	Grid 9
20.3 M4	24.3 M4	24.5 M4

**Cursor:**

Total = 24.5 V/m  
 E Category: M4  
 Location: -11.5, 13.5, 369.9 mm



0 dB = 24.5V/m

Test Laboratory: HCT CO., LTD.  
 Ambient Temperature / Channel 21.3 °C /875  
 Test Date May. 29, 2010

**DUT: A210; Type: folder; 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/m<sup>3</sup>  
 Phantom section: E Device Section ; Measurement SW: DASY4, V4.7 Build 71; Postprocessing SW: SEMCAD, V1.8 Build 176

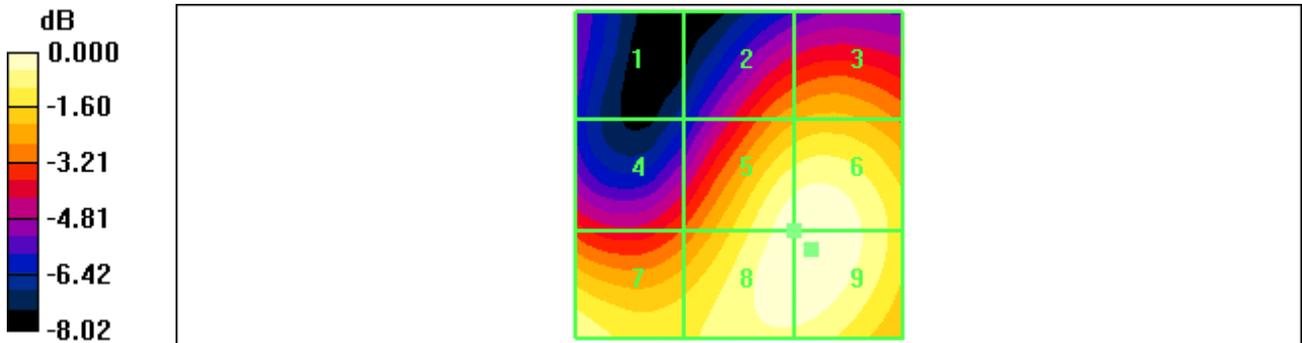
DASY4 Configuration:  
 - Probe: ER3DV6 - SN2347; ConvF(1, 1, 1); Calibrated: 2009-09-18  
 - Sensor-Surface: (Fix Surface)  
 - Electronics: DAE4 Sn869; Calibrated: 2009-09-18  
 - Phantom: HAC Test Arch; Type: SD HAC P01 BA

**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 = 27.0 V/m  
 Probe Modulation Factor = 0.960  
 Device Reference Point: 0.000, 0.000, 353.7 mm  
 Reference Value = 29.5 V/m; Power Drift = -0.090 dB  
**Hearing Aid Near-Field Category: M4 (AWF 0 dB)**

Peak E-field in V/m

Grid 1	Grid 2	Grid 3
14.8 M4	20.9 M4	21.6 M4
Grid 4	Grid 5	Grid 6
18.8 M4	26.5 M4	26.8 M4
Grid 7	Grid 8	Grid 9
25.2 M4	26.8 M4	27.0 M4

**Cursor:**  
 Total = 27.0 V/m  
 E Category: M4  
 Location: -11, 11.5, 369.9 mm



0 dB = 27.0V/m

Test Laboratory: HCT CO., LTD.

Ambient Temperature / Channel 21.5 °C /1013

Test Date May. 30, 2010

**DUT: A210; 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/m<sup>3</sup>  
 Phantom section: H Device Section ; Measurement SW: DASY4, V4.7 Build 71; Postprocessing SW: SEMCAD, V1.8 Build 176

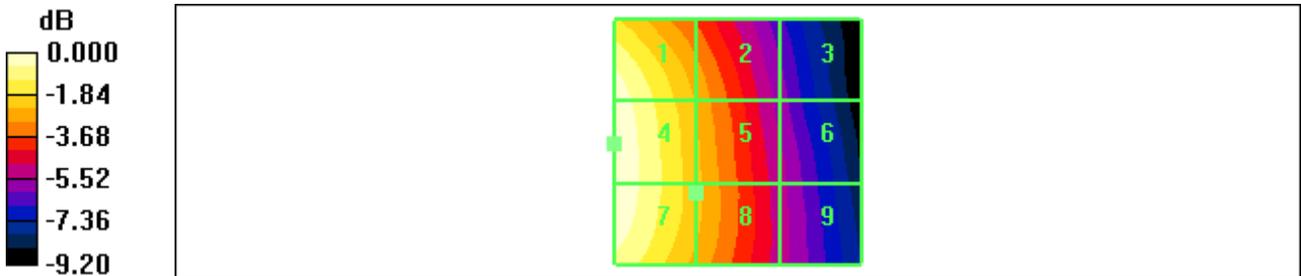
DASY4 Configuration:  
 - Probe: H3DV6 - SN6164; ; Calibrated: 2009-09-21  
 - Sensor-Surface: (Fix Surface)  
 - Electronics: DAE4 Sn869; Calibrated: 2009-09-18  
 - Phantom: HAC Test Arch; Type: SD HAC P01 BA

**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 = 0.083 A/m  
 Probe Modulation Factor = 0.846  
 Device Reference Point: 0.000, 0.000, 353.7 mm  
 Reference Value = 0.067 A/m; Power Drift = -0.004 dB  
**Hearing Aid Near-Field Category: M4 (AWF 0 dB)**

Peak H-field in A/m

Grid 1	Grid 2	Grid 3
0.081 M4	0.062 M4	0.043 M4
Grid 4	Grid 5	Grid 6
0.083 M4	0.064 M4	0.045 M4
Grid 7	Grid 8	Grid 9
0.082 M4	0.064 M4	0.046 M4

**Cursor:**  
 Total = 0.083 A/m  
 H Category: M4  
 Location: 25, 0.5, 369.4 mm



0 dB = 0.083A/m

Test Laboratory: HCT CO., LTD.

Ambient Temperature / Channel 21.5 °C /384

Test Date May. 30, 2010

**DUT: A210; 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/m<sup>3</sup>  
 Phantom section: H Device Section ; Measurement SW: DASY4, V4.7 Build 71; Postprocessing SW: SEMCAD, V1.8 Build 176

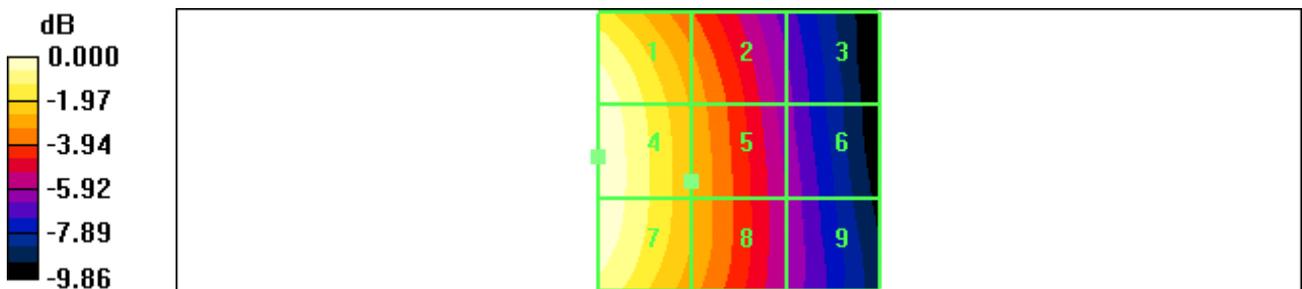
DASY4 Configuration:  
 - Probe: H3DV6 - SN6164; ; Calibrated: 2009-09-21  
 - Sensor-Surface: (Fix Surface)  
 - Electronics: DAE4 Sn869; Calibrated: 2009-09-18  
 - Phantom: HAC Test Arch; Type: SD HAC P01 BA

**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 = 0.088 A/m  
 Probe Modulation Factor = 0.846  
 Device Reference Point: 0.000, 0.000, 353.7 mm  
 Reference Value = 0.068 A/m; Power Drift = 0.124 dB  
**Hearing Aid Near-Field Category: M4 (AWF 0 dB)**

Peak H-field in A/m

Grid 1	Grid 2	Grid 3
0.086 M4	0.064 M4	0.043 M4
Grid 4	Grid 5	Grid 6
0.088 M4	0.066 M4	0.044 M4
Grid 7	Grid 8	Grid 9
0.087 M4	0.066 M4	0.045 M4

**Cursor:**  
 Total = 0.088 A/m  
 H Category: M4  
 Location: 25, 1, 369.4 mm



0 dB = 0.088A/m

Test Laboratory: HCT CO., LTD.

Ambient Temperature / Channel 21.5 °C /777

Test Date May. 30, 2010

**DUT: A210; 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/m<sup>3</sup>  
 Phantom section: H Device Section ; Measurement SW: DASY4, V4.7 Build 71; Postprocessing SW: SEMCAD, V1.8 Build 176

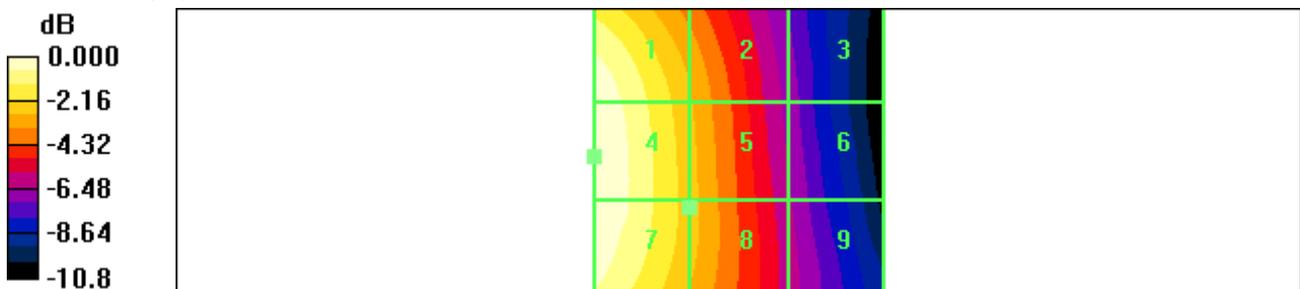
DASY4 Configuration:  
 - Probe: H3DV6 - SN6164; ; Calibrated: 2009-09-21  
 - Sensor-Surface: (Fix Surface)  
 - Electronics: DAE4 Sn869; Calibrated: 2009-09-18  
 - Phantom: HAC Test Arch; Type: SD HAC P01 BA

**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 = 0.083 A/m  
 Probe Modulation Factor = 0.846  
 Device Reference Point: 0.000, 0.000, 353.7 mm  
 Reference Value = 0.062 A/m; Power Drift = 0.053 dB  
**Hearing Aid Near-Field Category: M4 (AWF 0 dB)**

Peak H-field in A/m

Grid 1	Grid 2	Grid 3
0.082 M4	0.060 M4	0.038 M4
Grid 4	Grid 5	Grid 6
0.083 M4	0.062 M4	0.040 M4
Grid 7	Grid 8	Grid 9
0.083 M4	0.062 M4	0.041 M4

**Cursor:**  
 Total = 0.083 A/m  
 H Category: M4  
 Location: 25, 1, 369.4 mm



0 dB = 0.083A/m

Test Laboratory: HCT CO., LTD.

Ambient Temperature / Channel 21.5 °C /25

Test Date May. 30, 2010

**DUT: A210; 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/m<sup>3</sup>  
 Phantom section: H Device Section ; Measurement SW: DASY4, V4.7 Build 71; Postprocessing SW: SEMCAD, V1.8 Build 176

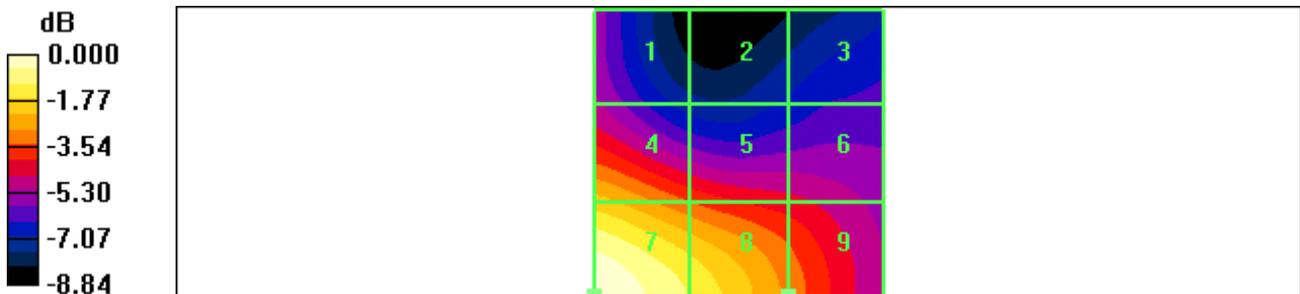
DASY4 Configuration:  
 - Probe: H3DV6 - SN6164; ; Calibrated: 2009-09-21  
 - Sensor-Surface: (Fix Surface)  
 - Electronics: DAE4 Sn869; Calibrated: 2009-09-18  
 - Phantom: HAC Test Arch; Type: SD HAC P01 BA

**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 = 0.064 A/m  
 Probe Modulation Factor = 0.733  
 Device Reference Point: 0.000, 0.000, 353.7 mm  
 Reference Value = 0.042 A/m; Power Drift = -0.003 dB  
**Hearing Aid Near-Field Category: M4 (AWF 0 dB)**

Peak H-field in A/m

Grid 1	Grid 2	Grid 3
0.036 M4	0.029 M4	0.031 M4
Grid 4	Grid 5	Grid 6
0.050 M4	0.043 M4	0.038 M4
Grid 7	Grid 8	Grid 9
0.064 M4	0.056 M4	0.045 M4

**Cursor:**  
 Total = 0.064 A/m  
 H Category: M4  
 Location: 25, 25, 369.4 mm



0 dB = 0.064A/m

Test Laboratory: HCT CO., LTD.

Ambient Temperature / Channel 21.5 °C /600

Test Date May. 30, 2010

**DUT: A210; 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/m<sup>3</sup>

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 = 0.068 A/m

Probe Modulation Factor = 0.733

Device Reference Point: 0.000, 0.000, 353.7 mm

Reference Value = 0.049 A/m; Power Drift = -0.048 dB

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

Peak H-field in A/m

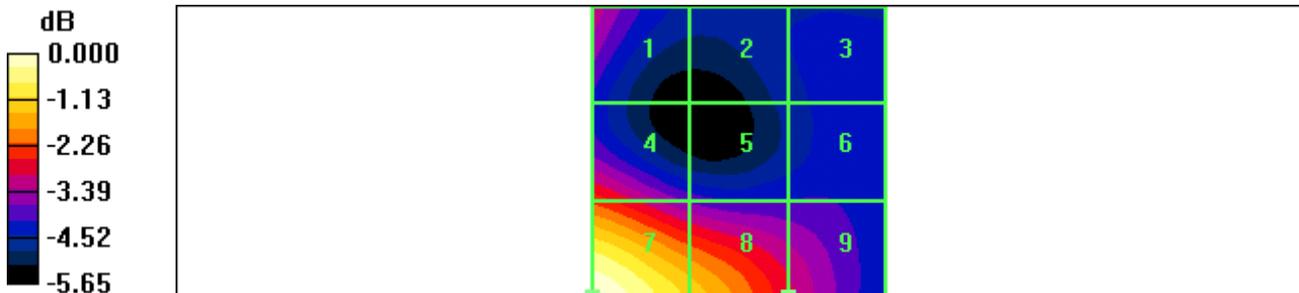
Grid 1	Grid 2	Grid 3
0.048 M4	0.041 M4	0.042 M4
Grid 4	Grid 5	Grid 6
0.052 M4	0.044 M4	0.042 M4
Grid 7	Grid 8	Grid 9
0.068 M4	0.059 M4	0.049 M4

**Cursor:**

Total = 0.068 A/m

H Category: M4

Location: 25, 25, 369.4 mm



0 dB = 0.068A/m

Test Laboratory: HCT CO., LTD.  
 Ambient Temperature / Channel 21.5 °C /1175  
 Test Date May. 30, 2010

**DUT: A210; 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/m<sup>3</sup>  
 Phantom section: H Device Section ; Measurement SW: DAS4, V4.7 Build 71; Postprocessing SW: SEMCAD, V1.8 Build 176

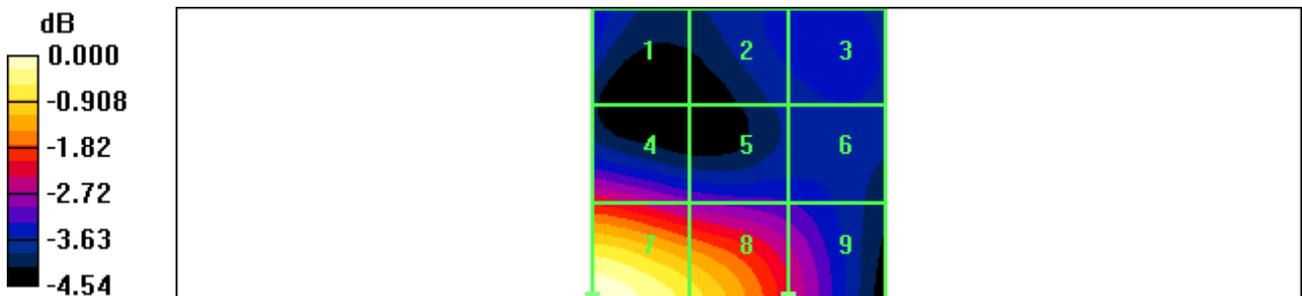
DASY4 Configuration:  
 - Probe: H3DV6 - SN6164; ; Calibrated: 2009-09-21  
 - Sensor-Surface: (Fix Surface)  
 - Electronics: DAE4 Sn869; Calibrated: 2009-09-18  
 - Phantom: HAC Test Arch; Type: SD HAC P01 BA

**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 = 0.047 A/m  
 Probe Modulation Factor = 0.733  
 Device Reference Point: 0.000, 0.000, 353.7 mm  
 Reference Value = 0.039 A/m; Power Drift = -0.020 dB  
**Hearing Aid Near-Field Category: M4 (AWF 0 dB)**

Peak H-field in A/m

Grid 1	Grid 2	Grid 3
0.032 M4	0.031 M4	0.031 M4
Grid 4	Grid 5	Grid 6
0.037 M4	0.034 M4	0.032 M4
Grid 7	Grid 8	Grid 9
0.047 M4	0.043 M4	0.036 M4

**Cursor:**  
 Total = 0.047 A/m  
 H Category: M4  
 Location: 25, 25, 369.4 mm



0 dB = 0.047A/m

Test Laboratory: HCT CO., LTD.

Ambient Temperature / Channel 21.5 °C /25

Test Date May. 30, 2010

**DUT: A210; Type: folder; 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/m<sup>3</sup>  
 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 = 0.074 A/m  
 Probe Modulation Factor = 0.733  
 Device Reference Point: 0.000, 0.000, 353.7 mm  
 Reference Value = 0.066 A/m; Power Drift = 0.033 dB  
**Hearing Aid Near-Field Category: M4 (AWF 0 dB)**

Peak H-field in A/m

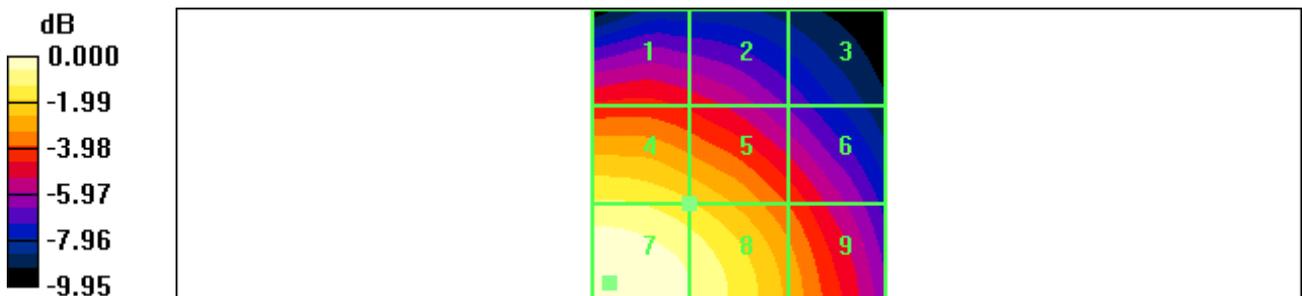
Grid 1	Grid 2	Grid 3
0.045 M4	0.043 M4	0.034 M4
Grid 4	Grid 5	Grid 6
0.065 M4	0.060 M4	0.047 M4
Grid 7	Grid 8	Grid 9
0.074 M4	0.069 M4	0.053 M4

**Cursor:**

Total = 0.074 A/m

H Category: M4

Location: 22, 22, 369.4 mm



0 dB = 0.074A/m

Test Laboratory: HCT CO., LTD.  
 Ambient Temperature / Channel 21.5 °C /450  
 Test Date May. 30, 2010

**DUT: A210; Type: folder; 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/m<sup>3</sup>  
 Phantom section: H Device Section ; Measurement SW: DASY4, V4.7 Build 71; Postprocessing SW: SEMCAD, V1.8 Build 176

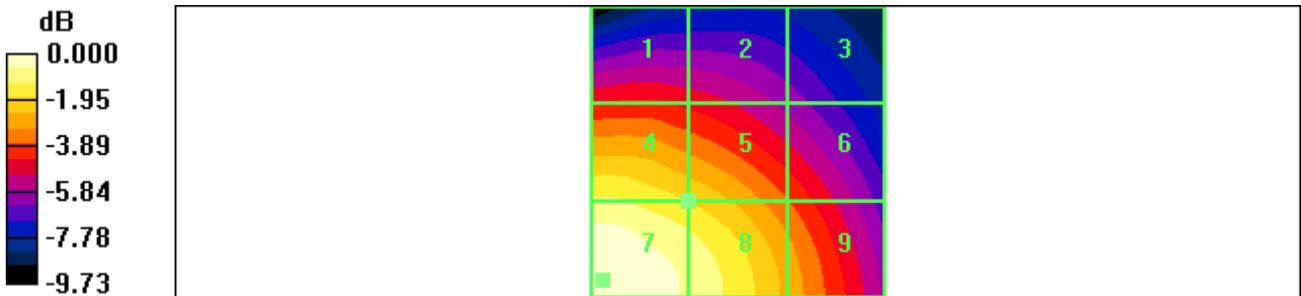
DASY4 Configuration:  
 - Probe: H3DV6 - SN6164; ; Calibrated: 2009-09-21  
 - Sensor-Surface: (Fix Surface)  
 - Electronics: DAE4 Sn869; Calibrated: 2009-09-18  
 - Phantom: HAC Test Arch; Type: SD HAC P01 BA

**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 = 0.067 A/m  
 Probe Modulation Factor = 0.733  
 Device Reference Point: 0.000, 0.000, 353.7 mm  
 Reference Value = 0.062 A/m; Power Drift = -0.020 dB  
**Hearing Aid Near-Field Category: M4 (AWF 0 dB)**

Peak H-field in A/m

Grid 1	Grid 2	Grid 3
0.040 M4	0.039 M4	0.033 M4
Grid 4	Grid 5	Grid 6
0.059 M4	0.054 M4	0.043 M4
Grid 7	Grid 8	Grid 9
0.067 M4	0.061 M4	0.049 M4

**Cursor:**  
 Total = 0.067 A/m  
 H Category: M4  
 Location: 23, 22, 369.4 mm



0 dB = 0.067A/m

Test Laboratory: HCT CO., LTD.

Ambient Temperature / Channel 21.5 °C /875

Test Date May. 30, 2010

**DUT: A210; Type: folder; 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/m<sup>3</sup>  
 Phantom section: H Device Section ; Measurement SW: DASY4, V4.7 Build 71; Postprocessing SW: SEMCAD, V1.8 Build 176

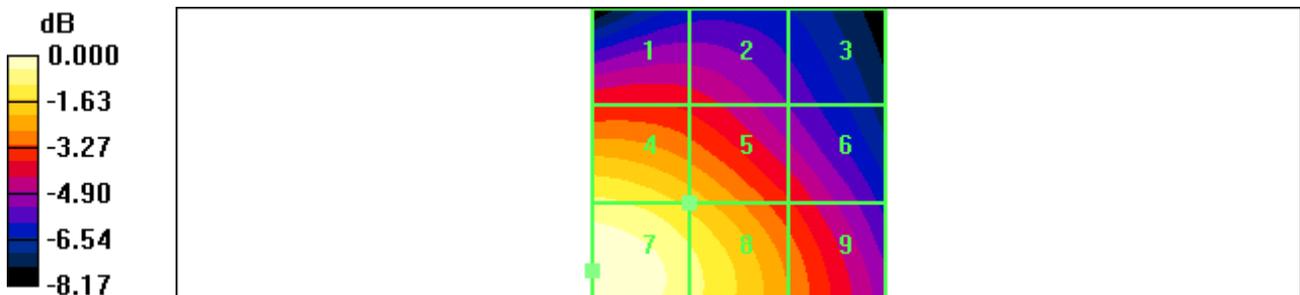
DASY4 Configuration:  
 - Probe: H3DV6 - SN6164; ; Calibrated: 2009-09-21  
 - Sensor-Surface: (Fix Surface)  
 - Electronics: DAE4 Sn869; Calibrated: 2009-09-18  
 - Phantom: HAC Test Arch; Type: SD HAC P01 BA

**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 = 0.072 A/m  
 Probe Modulation Factor = 0.733  
 Device Reference Point: 0.000, 0.000, 353.7 mm  
 Reference Value = 0.069 A/m; Power Drift = 0.007 dB  
**Hearing Aid Near-Field Category: M4 (AWF 0 dB)**

Peak H-field in A/m

Grid 1	Grid 2	Grid 3
0.047 M4	0.046 M4	0.038 M4
Grid 4	Grid 5	Grid 6
0.065 M4	0.059 M4	0.047 M4
Grid 7	Grid 8	Grid 9
0.072 M4	0.065 M4	0.052 M4

**Cursor:**  
 Total = 0.072 A/m  
 H Category: M4  
 Location: 25, 20, 369.4 mm



0 dB = 0.072A/m