

## ATTACHMENT A – HAC TEST PLOTS

Test Laboratory: HCT

Company : PANTECH&CURITEL COMMUNICATIONS, INC.  
 Mode : CDMA835 / Antenna : in / Channel : 1013  
 Date Tested : May 3, 2006

**DUT: PN-E330; Type: Folder; Serial: #1**  
**Program Name: HAC E Device**

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, V4.6 Build 23

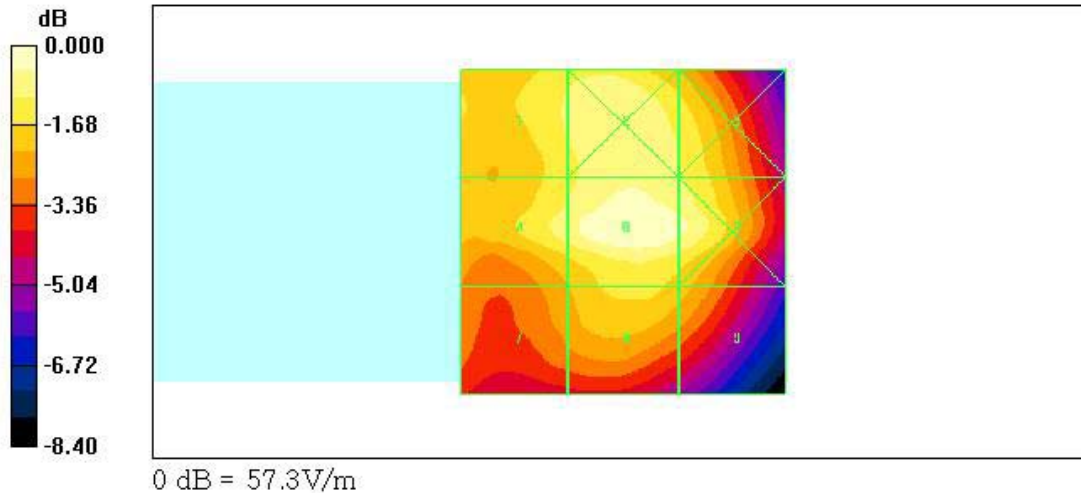
DASY4 Configuration:  
 - Probe: ER3DV6 - SN2343; ConvF(1, 1, 1); Calibrated: 2006-03-23  
 - Sensor-Surface: (Fix Surface)  
 - Electronics: DAE3 Sn446; Calibrated: 2006-03-17  
 - Phantom: HAC Test Arch; Type: SD HAC P01 BA

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

Measurement grid: dx=5mm, dy=5mm  
 Maximum value of peak Total field = 57.3 V/m  
 Probe Modulation Factor = 1.00  
 Reference Value = 53.9 V/m; Power Drift = -0.042 dB  
**Hearing Aid Near-Field Category: M4 (A WF 0 dB)**

Peak E-field in V/m

Grid 1	Grid 2	Grid 3
51.0	53.5	50.8
Grid 4	Grid 5	Grid 6
52.4	57.3	54.7
Grid 7	Grid 8	Grid 9
44.2	48.2	45.9



Test Laboratory: HCT

Company : PANTECH&CURITEL COMMUNICATIONS, INC.  
 Mode : CDMA835 / Antenna : out / Channel : 1013  
 Date Tested : May 3, 2006

**DUT: PN-E330; Type: Folder; Serial: #1**  
**Program Name: HAC E Device**

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, V4.6 Build 23

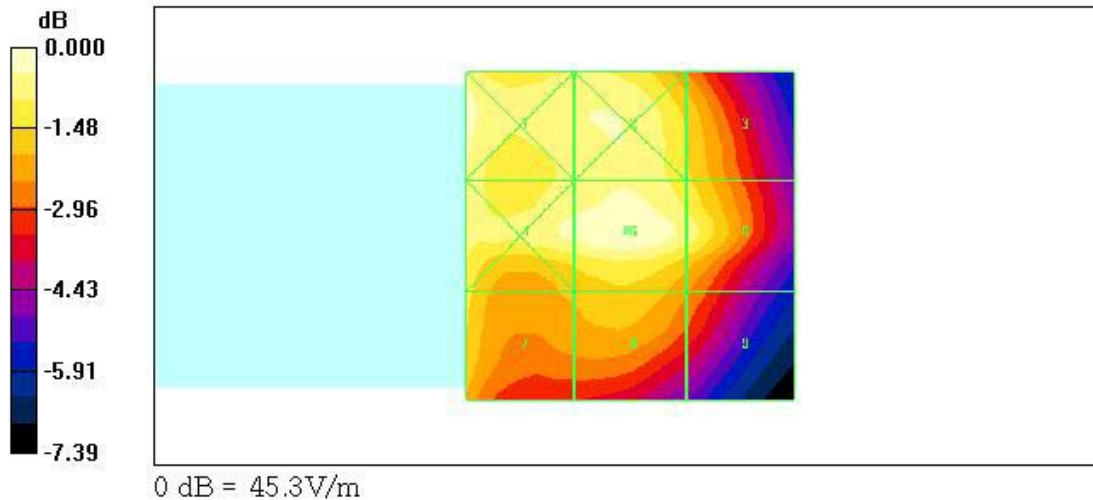
DASY4 Configuration:  
 - Probe: ER3DV6 - SN2343; ConvF(1, 1, 1); Calibrated: 2006-03-23  
 - Sensor-Surface: (Fix Surface)  
 - Electronics: DAE3 Sn446; Calibrated: 2006-03-17  
 - Phantom: HAC Test Arch; Type: SD HAC P01 BA

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

Measurement grid: dx=5mm, dy=5mm  
 Maximum value of peak Total field = 45.3 V/m  
 Probe Modulation Factor = 1.00  
 Reference Value = 42.6 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
44.4	42.9	38.9
Grid 4	Grid 5	Grid 6
43.5	45.3	41.9
Grid 7	Grid 8	Grid 9
39.3	37.9	34.5



Test Laboratory: HCT

Company : PANTECH&CURITEL COMMUNICATIONS, INC.  
 Mode : CDMA835 / Antenna : in / Channel : 384  
 Date Tested : May 3, 2006

**DUT: PN-E330; Type: Folder; Serial: #1**  
**Program Name: HAC E Device**

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, V4.6 Build 23

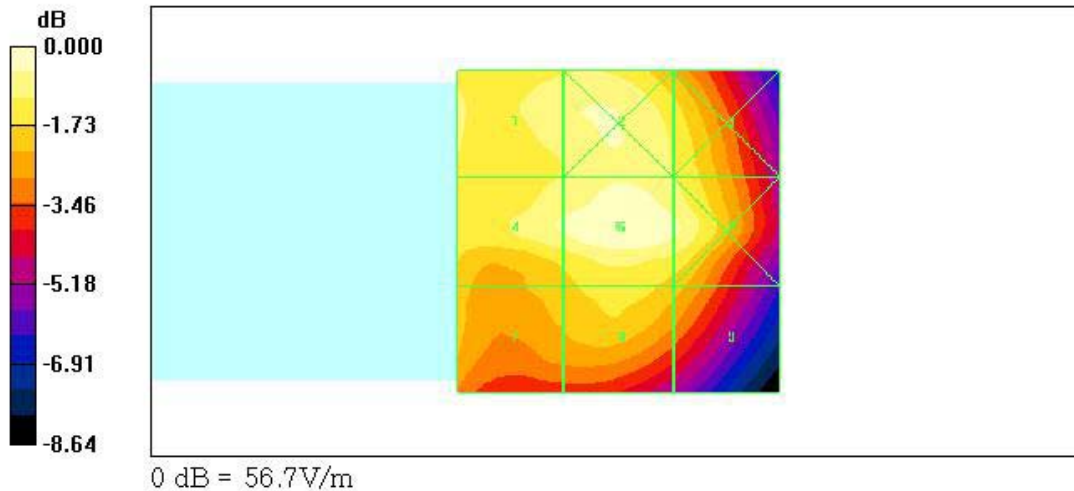
DASY4 Configuration:  
 - Probe: ER3DV6 - SN2343; ConvF(1, 1, 1); Calibrated: 2006-03-23  
 - Sensor-Surface: (Fix Surface)  
 - Electronics: DAE3 Sn446; Calibrated: 2006-03-17  
 - Phantom: HAC Test Arch; Type: SD HAC P01 BA

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

Measurement grid: dx=5mm, dy=5mm  
 Maximum value of peak Total field = 56.7 V/m  
 Probe Modulation Factor = 1.00  
 Reference Value = 54.0 V/m; Power Drift = -0.113 dB  
**Hearing Aid Near-Field Category: M4 (AWF 0 dB)**

Peak E-field in V/m

Grid 1	Grid 2	Grid 3
51.9	53.4	50.1
Grid 4	Grid 5	Grid 6
53.5	56.7	53.9
Grid 7	Grid 8	Grid 9
45.6	48.1	45.1



Test Laboratory: HCT

Company : PANTECH&CURITEL COMMUNICATIONS, INC.  
 Mode : CDMA835 / Antenna : out / Channel : 384  
 Date Tested : May 3, 2006

**DUT: PN-E330; Type: Folder; Serial: #1**  
**Program Name: HAC E Device**

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, V4.6 Build 23

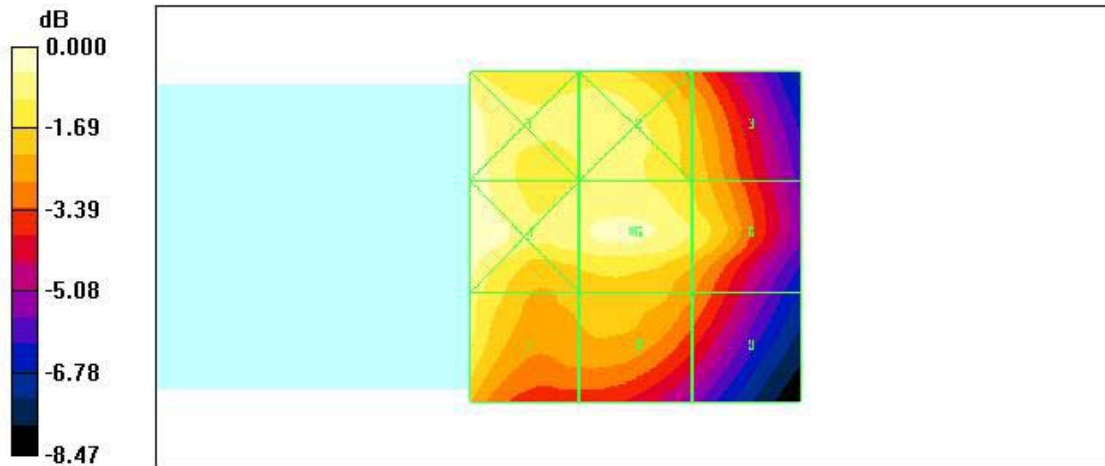
DASY4 Configuration:  
 - Probe: ER3DV6 - SN2343; ConvF(1, 1, 1); Calibrated: 2006-03-23  
 - Sensor-Surface: (Fix Surface)  
 - Electronics: DAE3 Sn446; Calibrated: 2006-03-17  
 - Phantom: HAC Test Arch; Type: SD HAC P01 BA

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

Measurement grid: dx=5mm, dy=5mm  
 Maximum value of peak Total field = 50.1 V/m  
 Probe Modulation Factor = 1.00  
 Reference Value = 47.9 V/m; Power Drift = -0.118 dB  
**Hearing Aid Near-Field Category: M4 (AWF 0 dB)**

Peak E-field in V/m

Grid 1	Grid 2	Grid 3
51.9	47.6	42.6
Grid 4	Grid 5	Grid 6
52.4	50.1	46.0
Grid 7	Grid 8	Grid 9
47.6	42.2	38.2



0 dB = 52.4V/m

Test Laboratory: HCT

Company : PANTECH&CURITEL COMMUNICATIONS, INC.  
Mode : CDMA835 / Antenna : in / Channel : 777  
Date Tested : May 3, 2006

**DUT: PN-E330; Type: Folder; Serial: #1**  
**Program Name: HAC E Device**

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, V4.6 Build 23

DASY4 Configuration:

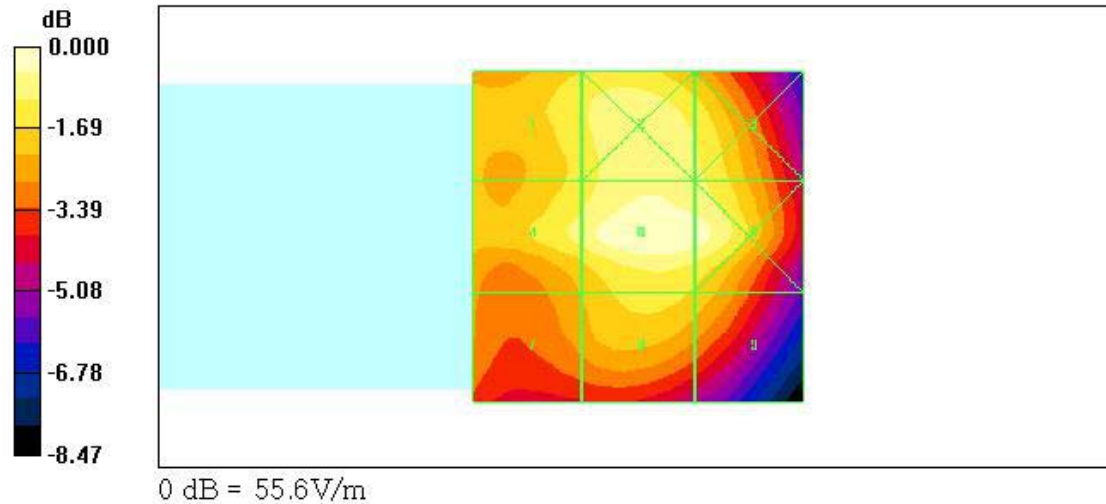
- Probe: ER3DV6 - SN2343; ConvF(1, 1, 1); Calibrated: 2006-03-23
- Sensor-Surface: (Fix Surface)
- Electronics: DAE3 Sn446; Calibrated: 2006-03-17
- Phantom: HAC Test Arch; Type: SD HAC P01 BA

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

Measurement grid: dx=5mm, dy=5mm  
Maximum value of peak Total field = 55.6 V/m  
Probe Modulation Factor = 1.00  
Reference Value = 51.7 V/m; Power Drift = -0.105 dB  
**Hearing Aid Near-Field Category: M4 (AWF 0 dB)**

Peak E-field in V/m

Grid 1	Grid 2	Grid 3
48.4	51.4	49.8
Grid 4	Grid 5	Grid 6
50.3	55.6	53.9
Grid 7	Grid 8	Grid 9
43.1	47.2	45.3



Test Laboratory: HCT

Company : PANTECH&CURITEL COMMUNICATIONS, INC.  
 Mode : CDMA835 / Antenna : out / Channel : 777  
 Date Tested : May 3 , 2006

**DUT: PN-E330; Type: Folder; Serial: #1**  
**Program Name: HAC E Device**

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, V4.6 Build 23

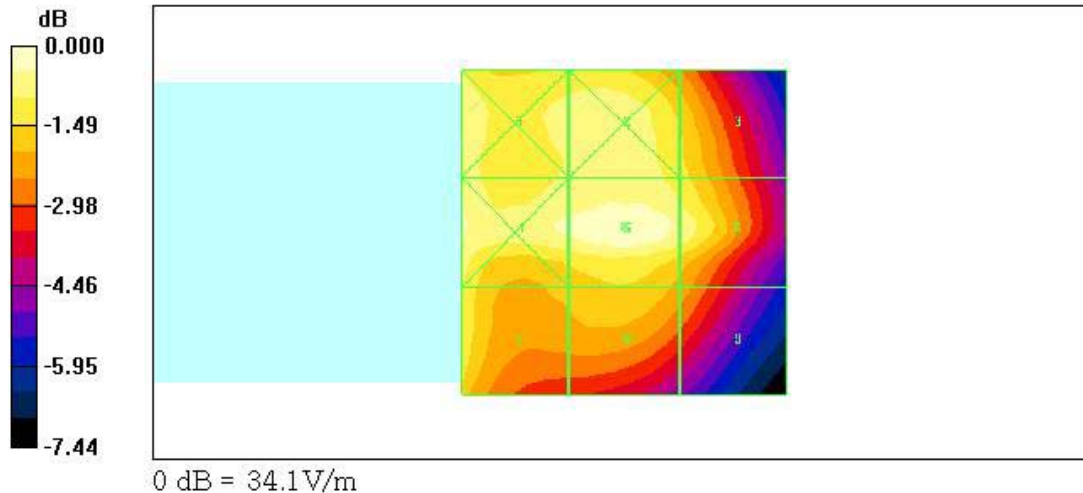
DASY4 Configuration:  
 - Probe: ER3DV6 - SN2343; ConvF(1, 1, 1); Calibrated: 2006-03-23  
 - Sensor-Surface: (Fix Surface)  
 - Electronics: DAE3 Sn446; Calibrated: 2006-03-17  
 - Phantom: HAC Test Arch; Type: SD HAC P01 BA

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

Measurement grid: dx=5mm, dy=5mm  
 Maximum value of peak Total field = 34.1 V/m  
 Probe Modulation Factor = 1.00  
 Reference Value = 32.0 V/m; Power Drift = -0.004 dB  
**Hearing Aid Near-Field Category: M4 (A WF 0 dB)**

Peak E-field in V/m

Grid 1	Grid 2	Grid 3
32.4	31.8	29.5
Grid 4	Grid 5	Grid 6
32.6	34.1	32.0
Grid 7	Grid 8	Grid 9
30.7	28.7	26.6



Test Laboratory: HCT

Company : PANTECH&CURITEL COMMUNICATIONS, INC.  
 Mode : PCS1900 / Antenna : in / Channel : 25  
 Date Tested : May 3, 2006

**DUT: PN-E330; Type: Folder; Serial: #1**  
**Program Name: HAC E Device**

Communication System: PCS1900; 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, V4.6 Build 23

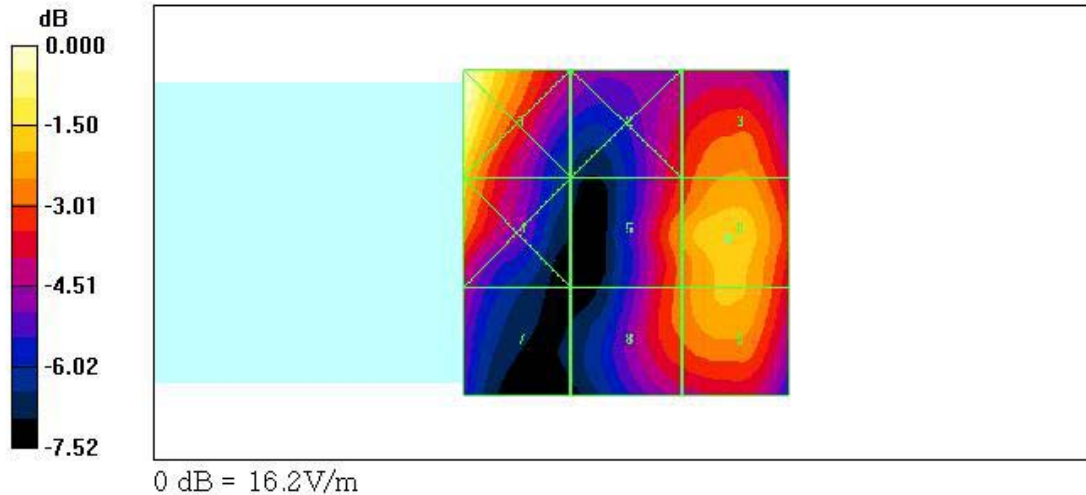
DASY4 Configuration:  
 - Probe: ER3DV6 - SN2343; ConvF(1, 1, 1); Calibrated: 2006-03-23  
 - Sensor-Surface: (Fix Surface)  
 - Electronics: DAE3 Sn446; Calibrated: 2006-03-17  
 - Phantom: HAC Test Arch; Type: SD HAC P01 BA

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

Measurement grid: dx=5mm, dy=5mm  
 Maximum value of peak Total field = 13.3 V/m  
 Probe Modulation Factor = 0.980  
 Reference Value = 7.09 V/m; Power Drift = -0.023 dB  
**Hearing Aid Near-Field Category: M4 (AWF 0 dB)**

Peak E-field in V/m

Grid 1	Grid 2	Grid 3
16.2	11.0	12.3
Grid 4	Grid 5	Grid 6
13.5	12.2	13.3
Grid 7	Grid 8	Grid 9
9.99	11.8	13.0





Test Laboratory: HCT

Company : PANTECH&CURITEL COMMUNICATIONS, INC.  
 Mode : PCS1900 / Antenna : out / Channel : 25  
 Date Tested : May 3, 2006

**DUT: PN-E330; Type: Folder; Serial: #1**  
**Program Name: HAC E Device**

Communication System: PCS1900; 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, V4.6 Build 23

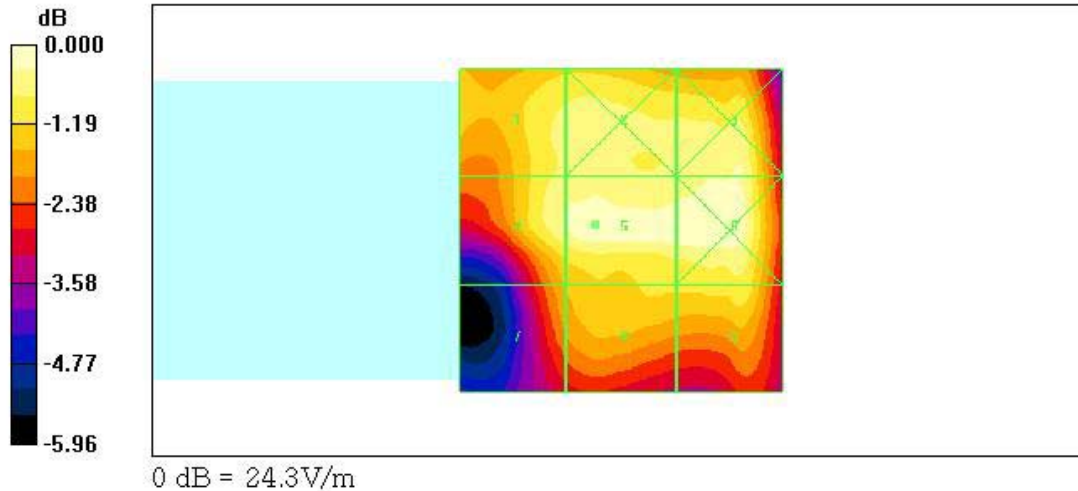
DASY4 Configuration:  
 - Probe: ER3DV6 - SN2343; ConvF(1, 1, 1); Calibrated: 2006-03-23  
 - Sensor-Surface: (Fix Surface)  
 - Electronics: DAE3 Sn446; Calibrated: 2006-03-17  
 - Phantom: HAC Test Arch; Type: SD HAC P01 BA

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

Measurement grid: dx=5mm, dy=5mm  
 Maximum value of peak Total field = 24.2 V/m  
 Probe Modulation Factor = 0.980  
 Reference Value = 23.7 V/m; Power Drift = -0.051 dB  
**Hearing Aid Near-Field Category: M4 (A WF 0 dB)**

Peak E-field in V/m

Grid 1	Grid 2	Grid 3
22.5	22.8	23.3
Grid 4	Grid 5	Grid 6
23.4	24.2	24.3
Grid 7	Grid 8	Grid 9
20.4	21.4	22.0



Test Laboratory: HCT

Company : PANTECH&CURITEL COMMUNICATIONS, INC.  
 Mode : PCS1900 / Antenna : in / Channel : 600  
 Date Tested : May 3 , 2006

**DUT: PN-E330; Type: Folder; Serial: #1**  
**Program Name: HAC E Device**

Communication System: PCS1900; 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, V4.6 Build 23

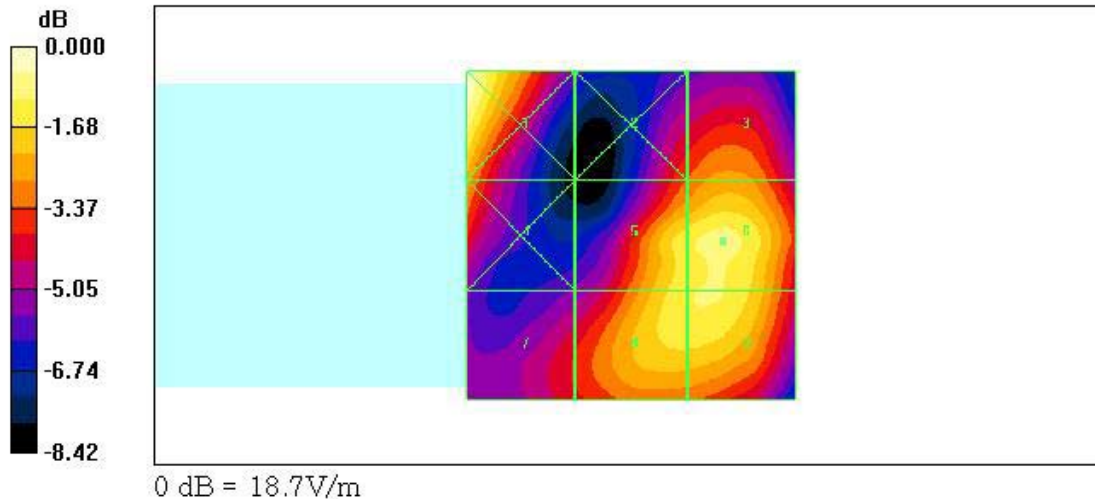
DASY4 Configuration:  
 - Probe: ER3DV6 - SN2343; ConvF(1, 1, 1); Calibrated: 2006-03-23  
 - Sensor-Surface: (Fix Surface)  
 - Electronics: DAE3 Sn446; Calibrated: 2006-03-17  
 - Phantom: HAC Test Arch; Type: SD HAC P01 BA

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

Measurement grid: dx=5mm, dy=5mm  
 Maximum value of peak Total field = 16.9 V/m  
 Probe Modulation Factor = 0.980  
 Reference Value = 10.0 V/m; Power Drift = -0.138 dB  
**Hearing Aid Near-Field Category: M4 (AWF 0 dB)**

Peak E-field in V/m

Grid 1	Grid 2	Grid 3
18.7	12.7	13.9
Grid 4	Grid 5	Grid 6
14.3	16.2	16.9
Grid 7	Grid 8	Grid 9
12.1	16.3	16.5



Test Laboratory: HCT

Company : PANTECH&CURITEL COMMUNICATIONS, INC.  
 Mode : PCS1900 / Antenna : out / Channel : 600  
 Date Tested : May 3, 2006

**DUT: PN-E330; Type: Folder; Serial: #1**  
**Program Name: HAC E Device**

Communication System: PCS1900; 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, V4.6 Build 23

DASY4 Configuration:  
 - Probe: ER3DV6 - SN2343; ConvF(1, 1, 1); Calibrated: 2006-03-23  
 - Sensor-Surface: (Fix Surface)  
 - Electronics: DAE3 Sn446; Calibrated: 2006-03-17  
 - Phantom: HAC Test Arch; Type: SD HAC P01 BA

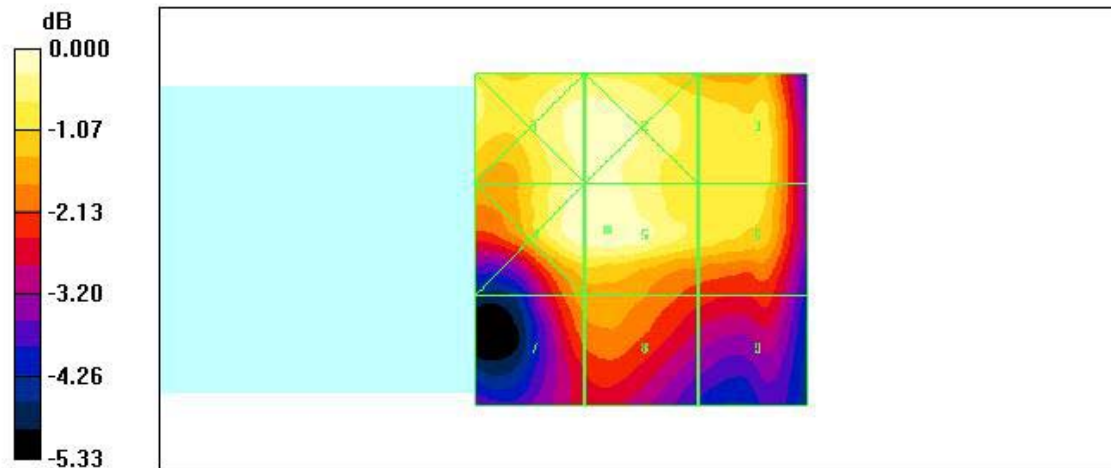
**E Scan 10mm above Device Reference/Hearing Aid Compatibility Test (101x101x1):**

Measurement grid: dx=5mm, dy=5mm  
 Maximum value of peak Total field = 24.2 V/m  
 Probe Modulation Factor = 0.980  
 Reference Value = 23.2 V/m; Power Drift = 0.007 dB

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

Peak E-field in V/m

Grid 1	Grid 2	Grid 3
23.7	23.7	22.2
Grid 4	Grid 5	Grid 6
24.1	24.2	22.2
Grid 7	Grid 8	Grid 9
20.2	20.4	18.5



0 dB = 24.2V/m

Test Laboratory: HCT

Company : PANTECH&CURITEL COMMUNICATIONS, INC.  
 Mode : PCS1900 / Antenna : in / Channel : 1175  
 Date Tested : May 3 , 2006

**DUT: PN-E330; Type: Folder; Serial: #1**  
**Program Name: HAC E Device**

Communication System: PCS1900; 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, V4.6 Build 23

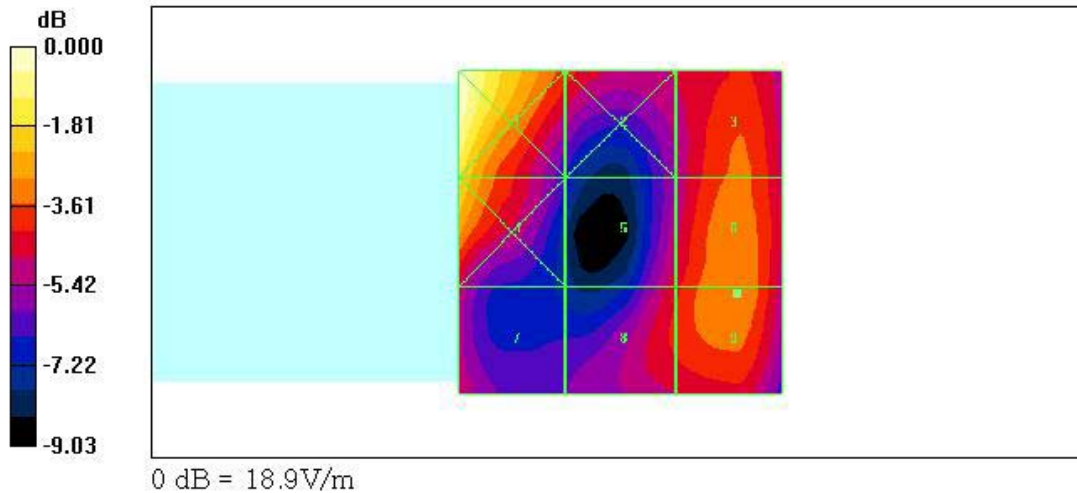
DASY4 Configuration:  
 - Probe: ER3DV6 - SN2343; ConvF(1, 1, 1); Calibrated: 2006-03-23  
 - Sensor-Surface: (Fix Surface)  
 - Electronics: DAE3 Sn446; Calibrated: 2006-03-17  
 - Phantom: HAC Test Arch; Type: SD HAC P01 BA

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

Measurement grid: dx=5mm, dy=5mm  
 Maximum value of peak Total field = 13.4 V/m  
 Probe Modulation Factor = 0.980  
 Reference Value = 6.18 V/m; Power Drift = -0.074 dB  
**Hearing Aid Near-Field Category: M4 (A WF 0 dB)**

Peak E-field in V/m

Grid 1	Grid 2	Grid 3
18.9	12.2	12.7
Grid 4	Grid 5	Grid 6
15.8	11.4	13.4
Grid 7	Grid 8	Grid 9
11.1	11.9	13.4



Test Laboratory: HCT

Company : PANTECH&CURITEL COMMUNICATIONS, INC.  
 Mode : PCS1900 / Antenna : out / Channel : 1175  
 Date Tested : May 3 , 2006

**DUT: PN-E330; Type: Folder; Serial: #1**  
**Program Name: HAC E Device**

Communication System: PCS1900; 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, V4.6 Build 23

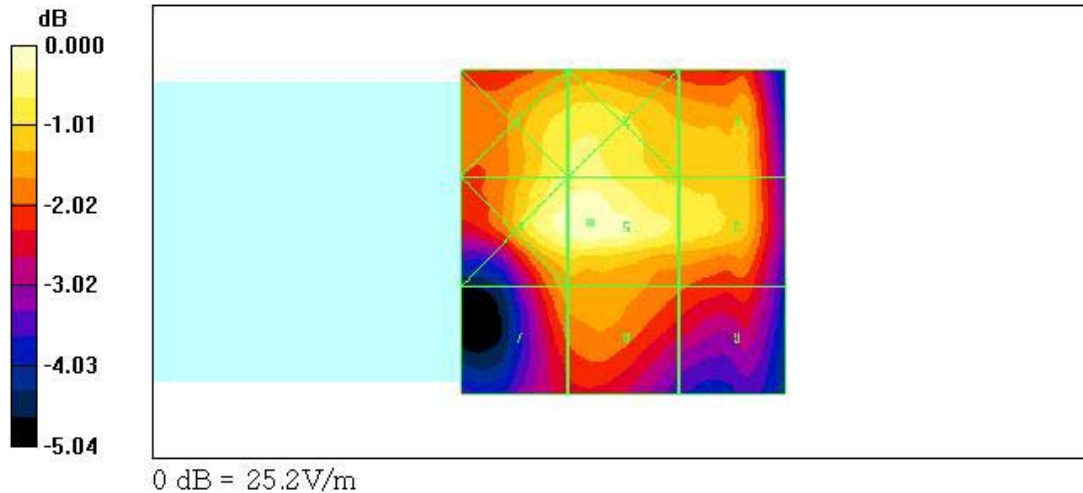
DASY4 Configuration:  
 - Probe: ER3DV6 - SN2343; ConvF(1, 1, 1); Calibrated: 2006-03-23  
 - Sensor-Surface: (Fix Surface)  
 - Electronics: DAE3 Sn446; Calibrated: 2006-03-17  
 - Phantom: HAC Test Arch; Type: SD HAC P01 BA

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

Measurement grid: dx=5mm, dy=5mm  
 Maximum value of peak Total field = 25.2 V/m  
 Probe Modulation Factor = 0.980  
 Reference Value = 24.0 V/m; Power Drift = 0.104 dB  
**Hearing Aid Near-Field Category: M4 (A WF 0 dB)**

Peak E-field in V/m

Grid 1	Grid 2	Grid 3
23.6	23.8	22.3
Grid 4	Grid 5	Grid 6
24.8	25.2	23.3
Grid 7	Grid 8	Grid 9
21.3	21.5	20.1



Test Laboratory: HCT

Company : PANTECH&CURITEL COMMUNICATIONS, INC.  
 Mode : CDMA835 / Antenna : in / Channel : 1013  
 Date Tested : May 3 , 2006

**DUT: PN-E330; Type: Folder; Serial: #1**  
**Program Name: HAC H Device**

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, V4.6 Build 23

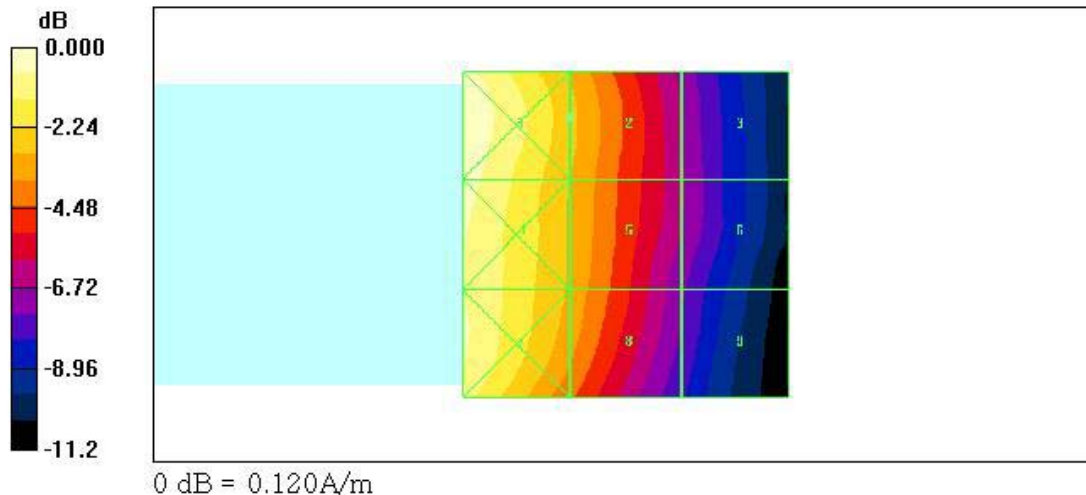
DASY4 Configuration:  
 - Probe: H3DV6 - SN6101; ; Calibrated: 2005-07-20  
 - Sensor-Surface: (Fix Surface)  
 - Electronics: DAE3 Sn446; Calibrated: 2006-03-17  
 - Phantom: HAC Test Arch; Type: SD HAC P01 BA

**H Scan 10mm above Device Reference/Hearing Aid Compatibility Test (101x101x1):**

Measurement grid: dx=5mm, dy=5mm  
 Maximum value of peak Total field = 0.087 A/m  
 Probe Modulation Factor = 1.02  
 Reference Value = 0.064 A/m; Power Drift = -0.046 dB  
**Hearing Aid Near-Field Category: M4 (AWF 0 dB)**

Peak H-field in A/m

Grid 1	Grid 2	Grid 3
<b>0.120</b>	<b>0.087</b>	<b>0.056</b>
Grid 4	Grid 5	Grid 6
<b>0.115</b>	<b>0.085</b>	<b>0.056</b>
Grid 7	Grid 8	Grid 9
<b>0.112</b>	<b>0.084</b>	<b>0.052</b>



Test Laboratory: HCT

Company : PANTECH&CURITEL COMMUNICATIONS, INC.  
 Mode : CDMA835 / Antenna : out / Channel : 1013  
 Date Tested : May 3, 2006

**DUT: PN-E330; Type: Folder; Serial: #1**  
**Program Name: HAC H Device**

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, V4.6 Build 23

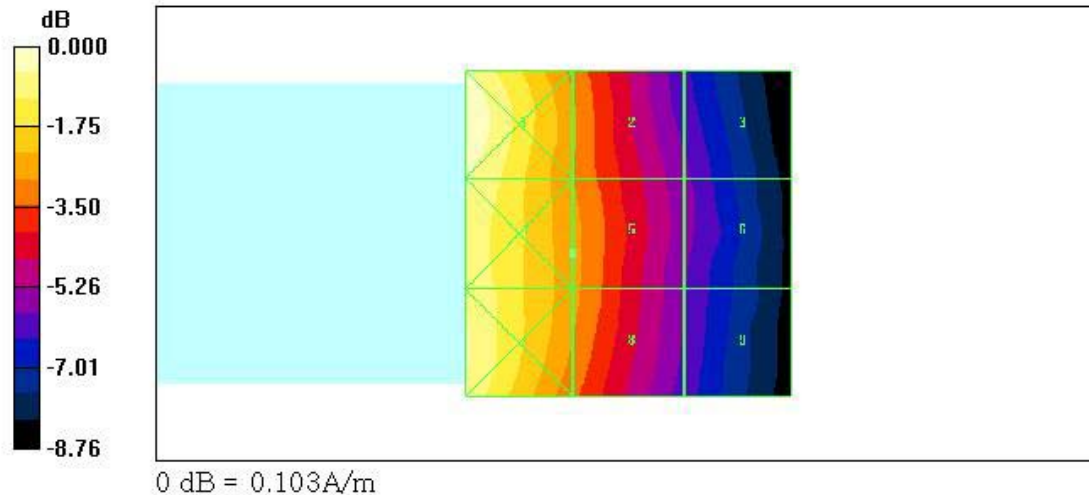
DASY4 Configuration:  
 - Probe: H3DV6 - SN6101; ; Calibrated: 2005-07-20  
 - Sensor-Surface: (Fix Surface)  
 - Electronics: DAE3 Sn446; Calibrated: 2006-03-17  
 - Phantom: HAC Test Arch; Type: SD HAC P01 BA

**H Scan 10mm above Device Reference/Hearing Aid Compatibility Test (101x101x1):**

Measurement grid: dx=5mm, dy=5mm  
 Maximum value of peak Total field = 0.075 A/m  
 Probe Modulation Factor = 1.02  
 Reference Value = 0.059 A/m; Power Drift = -0.082 dB  
**Hearing Aid Near-Field Category: M4 (A WF 0 dB)**

Peak H-field in A/m

Grid 1	Grid 2	Grid 3
<b>0.103</b>	<b>0.075</b>	<b>0.054</b>
Grid 4	Grid 5	Grid 6
<b>0.098</b>	<b>0.075</b>	<b>0.054</b>
Grid 7	Grid 8	Grid 9
<b>0.097</b>	<b>0.075</b>	<b>0.053</b>



Test Laboratory: HCT

Company : PANTECH&CURITEL COMMUNICATIONS, INC.  
 Mode : CDMA835 / Antenna : in / Channel : 384  
 Date Tested : May 3 , 2006

**DUT: PN-E330; Type: Folder; Serial: #1**  
**Program Name: HAC H Device**

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, V4.6 Build 23

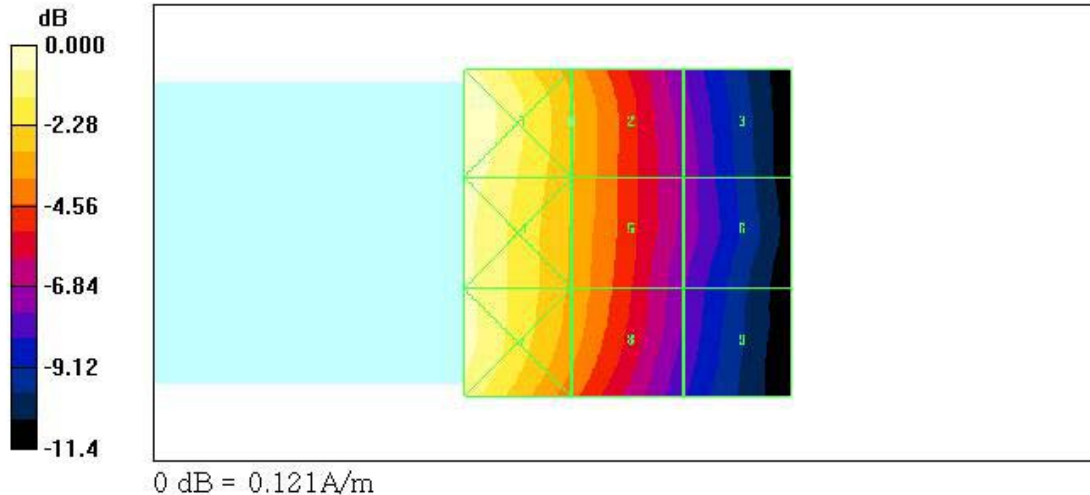
DASY4 Configuration:  
 - Probe: H3DV6 - SN6101; ; Calibrated: 2005-07-20  
 - Sensor-Surface: (Fix Surface)  
 - Electronics: DAE3 Sn446; Calibrated: 2006-03-17  
 - Phantom: HAC Test Arch; Type: SD HAC P01 BA

**H Scan 10mm above Device Reference/Hearing Aid Compatibility Test (101x101x1):**

Measurement grid: dx=5mm, dy=5mm  
 Maximum value of peak Total field = 0.087 A/m  
 Probe Modulation Factor = 1.02  
 Reference Value = 0.064 A/m; Power Drift = -0.009 dB  
**Hearing Aid Near-Field Category: M4 (AWF 0 dB)**

Peak H-field in A/m

Grid 1	Grid 2	Grid 3
0.121	0.087	0.054
Grid 4	Grid 5	Grid 6
0.117	0.086	0.054
Grid 7	Grid 8	Grid 9
0.115	0.084	0.051





Test Laboratory: HCT

Company : PANTECH&CURITEL COMMUNICATIONS, INC.  
 Mode : CDMA835 / Antenna : out / Channel : 384  
 Date Tested : May 3, 2006

**DUT: PN-E330; Type: Folder; Serial: #1**  
**Program Name: HAC H Device**

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, V4.6 Build 23

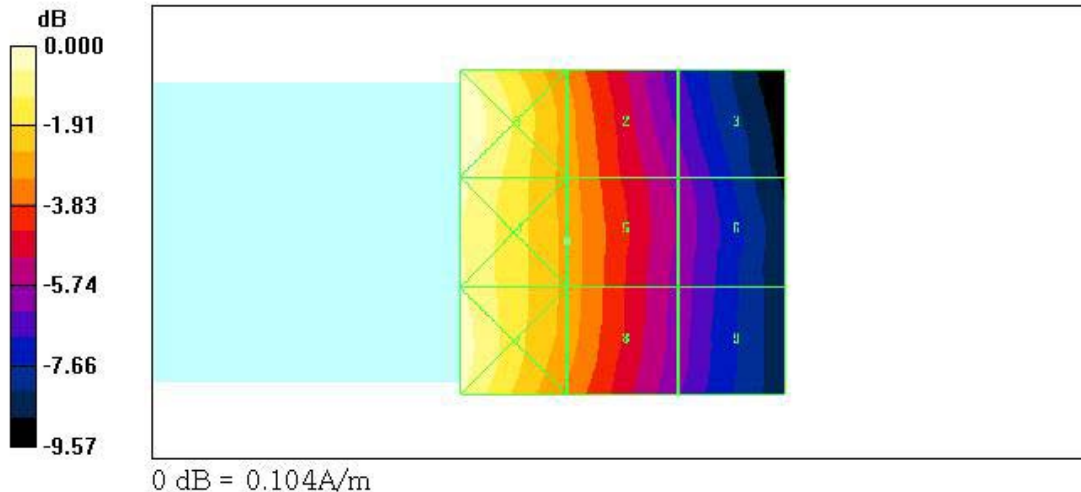
DASY4 Configuration:  
 - Probe: H3DV6 - SN6101; ; Calibrated: 2005-07-20  
 - Sensor-Surface: (Fix Surface)  
 - Electronics: DAE3 Sn446; Calibrated: 2006-03-17  
 - Phantom: HAC Test Arch; Type: SD HAC P01 BA

**H Scan 10mm above Device Reference/Hearing Aid Compatibility Test (101x101x1):**

Measurement grid: dx=5mm, dy=5mm  
 Maximum value of peak Total field = 0.076 A/m  
 Probe Modulation Factor = 1.02  
 Reference Value = 0.058 A/m; Power Drift = 0.137 dB  
**Hearing Aid Near-Field Category: M4 (A WF 0 dB)**

Peak H-field in A/m

Grid 1	Grid 2	Grid 3
<b>0.104</b>	<b>0.075</b>	<b>0.052</b>
Grid 4	Grid 5	Grid 6
<b>0.100</b>	<b>0.076</b>	<b>0.053</b>
Grid 7	Grid 8	Grid 9
<b>0.100</b>	<b>0.076</b>	<b>0.052</b>



Test Laboratory: HCT

Company : PANTECH&CURITEL COMMUNICATIONS, INC.  
 Mode : CDMA835 / Antenna : in / Channel : 777  
 Date Tested : May 3, 2006

**DUT: PN-E330; Type: Folder; Serial: #1**  
**Program Name: HAC H Device**

Communication System: CDMA 835MHz FCC; Frequency: 848.31 MHz;Duty Cycle: 1:1  
 Medium parameters used:  $\sigma = 0 \text{ mho/m}$ ,  $\epsilon_r = 1$ ;  $\rho = 1 \text{ kg/m}^3$   
 Phantom section: H Device Section ;Measurement SW: DASY4, V4.6 Build 23

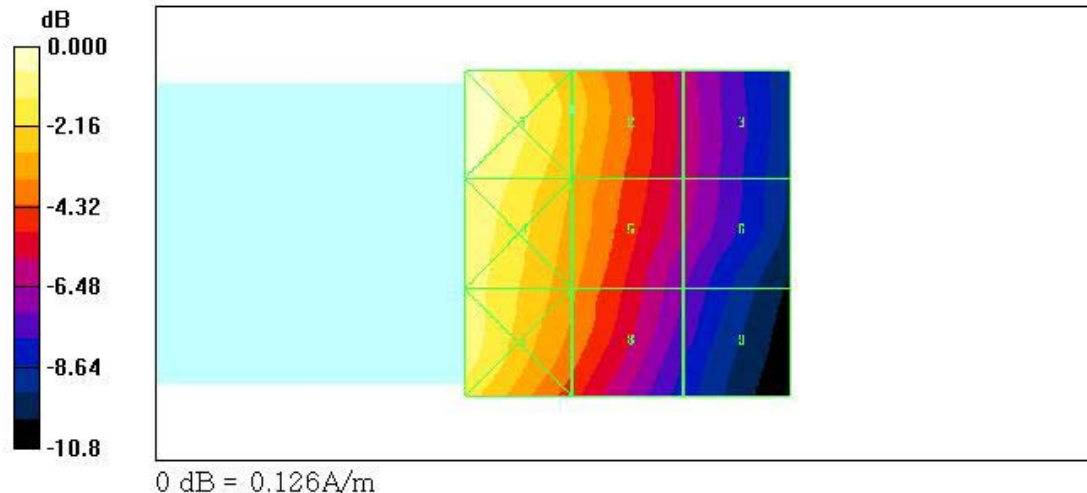
DASY4 Configuration:  
 - Probe: H3DV6 - SN6101; ; Calibrated: 2005-07-20  
 - Sensor-Surface: (Fix Surface)  
 - Electronics: DAE3 Sn446; Calibrated: 2006-03-17  
 - Phantom: HAC Test Arch; Type: SD HAC P01 BA

**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 = 1.02  
 Reference Value = 0.067 A/m; Power Drift = 0.056 dB  
**Hearing Aid Near-Field Category: M4 (A WF 0 dB)**

Peak H-field in A/m

Grid 1	Grid 2	Grid 3
<b>0.126</b>	<b>0.095</b>	<b>0.064</b>
Grid 4	Grid 5	Grid 6
<b>0.118</b>	<b>0.091</b>	<b>0.063</b>
Grid 7	Grid 8	Grid 9
<b>0.112</b>	<b>0.085</b>	<b>0.056</b>



Test Laboratory: HCT

Company : PANTECH&CURITEL COMMUNICATIONS, INC.  
 Mode : CDMA835 / Antenna : out / Channel : 777  
 Date Tested : May 3, 2006

**DUT: PN-E330; Type: Folder; Serial: #1**  
**Program Name: HAC H Device**

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, V4.6 Build 23

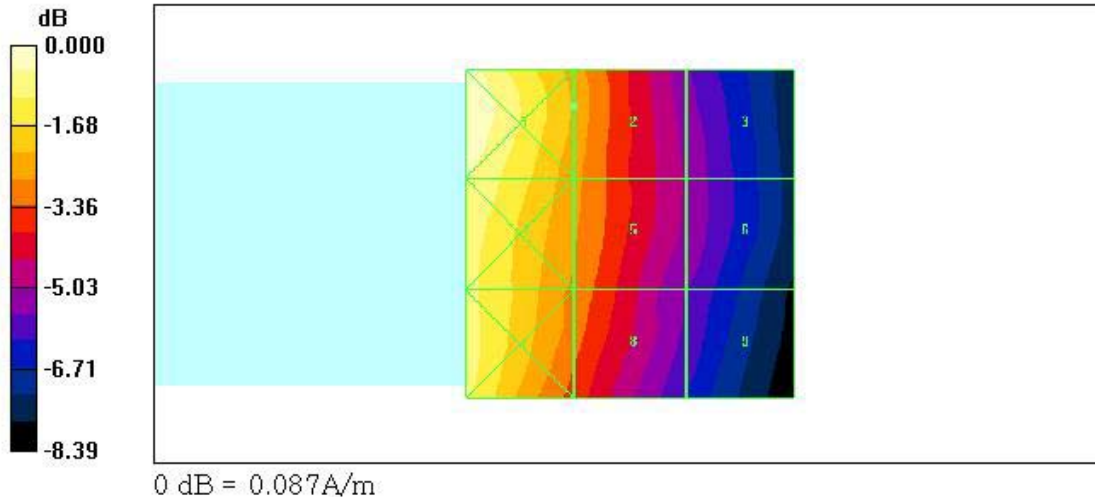
DASY4 Configuration:  
 - Probe: H3DV6 - SN6101; ; Calibrated: 2005-07-20  
 - Sensor-Surface: (Fix Surface)  
 - Electronics: DAE3 Sn446; Calibrated: 2006-03-17  
 - Phantom: HAC Test Arch; Type: SD HAC P01 BA

**H Scan 10mm above Device Reference/Hearing Aid Compatibility Test (101x101x1):**

Measurement grid: dx=5mm, dy=5mm  
 Maximum value of peak Total field = 0.067 A/m  
 Probe Modulation Factor = 1.02  
 Reference Value = 0.050 A/m; Power Drift = 0.104 dB  
**Hearing Aid Near-Field Category: M4 (A WF 0 dB)**

Peak H-field in A/m

Grid 1	Grid 2	Grid 3
<b>0.087</b>	<b>0.067</b>	<b>0.048</b>
Grid 4	Grid 5	Grid 6
<b>0.082</b>	<b>0.064</b>	<b>0.048</b>
Grid 7	Grid 8	Grid 9
<b>0.079</b>	<b>0.062</b>	<b>0.046</b>



Test Laboratory: HCT

Company : PANTECH&CURITEL COMMUNICATIONS, INC.  
 Mode : PCS1900 / Antenna : in / Channel : 25  
 Date Tested : May 3 , 2006

**DUT: PN-E330; Type: Folder; Serial: #1**  
**Program Name: HAC H Device**

Communication System: PCS1900; Frequency: 1851.25 MHz; Duty Cycle: 1:1  
 Medium parameters used:  $\sigma = 0 \text{ mho/m}$ ,  $\epsilon_r = 1$ ;  $\rho = 1 \text{ kg/m}^3$   
 Phantom section: H Device Section ; Measurement SW: DASY4, V4.6 Build 23

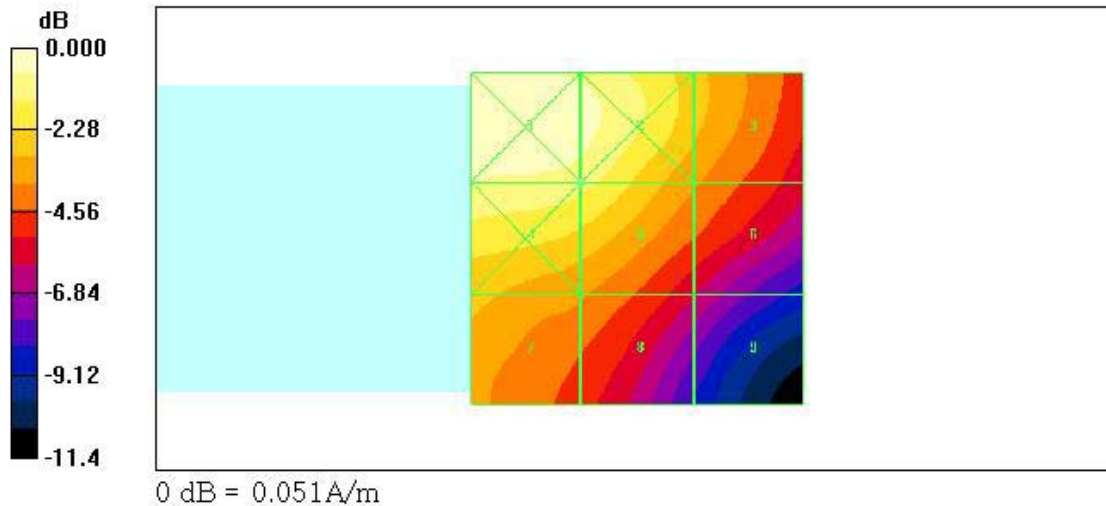
DASY4 Configuration:  
 - Probe: H3DV6 - SN6101; ; Calibrated: 2005-07-20  
 - Sensor-Surface: (Fix Surface)  
 - Electronics: DAE3 Sn446; Calibrated: 2006-03-17  
 - Phantom: HAC Test Arch; Type: SD HAC P01 BA

**H Scan 10mm above Device Reference/Hearing Aid Compatibility Test (101x101x1):**

Measurement grid: dx=5mm, dy=5mm  
 Maximum value of peak Total field = 0.044 A/m  
 Probe Modulation Factor = 0.980  
 Reference Value = 0.032 A/m; Power Drift = 0.004 dB  
**Hearing Aid Near-Field Category: M4 (A WF 0 dB)**

Peak H-field in A/m

Grid 1	Grid 2	Grid 3
<b>0.051</b>	<b>0.048</b>	<b>0.038</b>
Grid 4	Grid 5	Grid 6
<b>0.047</b>	<b>0.044</b>	<b>0.034</b>
Grid 7	Grid 8	Grid 9
<b>0.037</b>	<b>0.033</b>	<b>0.026</b>



Test Laboratory: HCT

Company : PANTECH&CURITEL COMMUNICATIONS, INC.  
 Mode : PCS1900 / Antenna : out / Channel : 25  
 Date Tested : May 3, 2006

**DUT: PN-E330; Type: Folder; Serial: #1**  
**Program Name: HAC H Device**

Communication System: PCS1900; 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, V4.6 Build 23

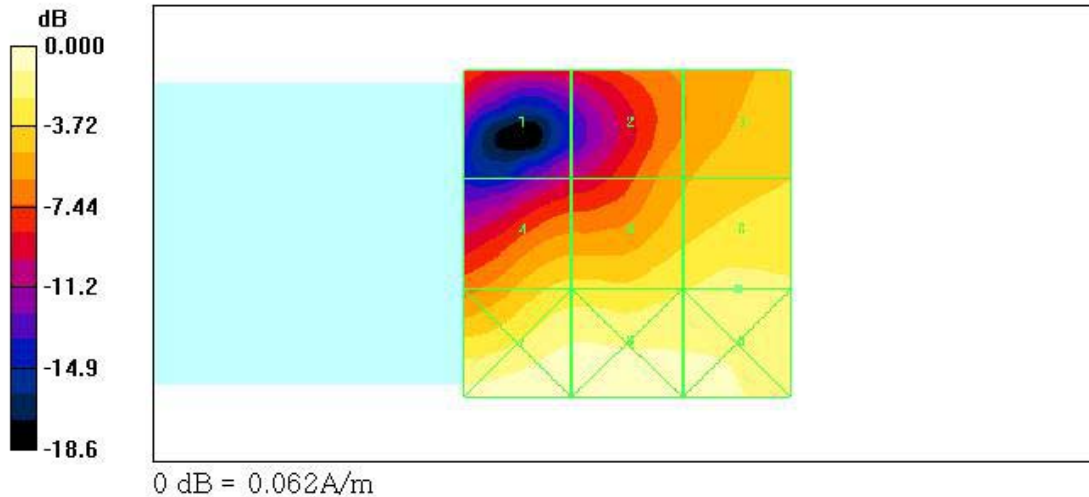
DASY4 Configuration:  
 - Probe: H3DV6 - SN6101; ; Calibrated: 2005-07-20  
 - Sensor-Surface: (Fix Surface)  
 - Electronics: DAE3 Sn446; Calibrated: 2006-03-17  
 - Phantom: HAC Test Arch; Type: SD HAC P01 BA

**H Scan 10mm above Device Reference/Hearing Aid Compatibility Test (101x101x1):**

Measurement grid: dx=5mm, dy=5mm  
 Maximum value of peak Total field = 0.049 A/m  
 Probe Modulation Factor = 0.980  
 Reference Value = 0.036 A/m; Power Drift = -0.080 dB  
**Hearing Aid Near-Field Category: M4 (AWF 0 dB)**

Peak H-field in A/m

Grid 1	Grid 2	Grid 3
<b>0.026</b>	<b>0.034</b>	<b>0.040</b>
Grid 4	Grid 5	Grid 6
<b>0.043</b>	<b>0.046</b>	<b>0.049</b>
Grid 7	Grid 8	Grid 9
<b>0.062</b>	<b>0.062</b>	<b>0.058</b>



Test Laboratory: HCT

Company : PANTECH&CURITEL COMMUNICATIONS, INC.  
 Mode : PCS1900 / Antenna : in / Channel : 600  
 Date Tested : May 3, 2006

**DUT: PN-E330; Type: Folder; Serial: #1**  
**Program Name: HAC H Device**

Communication System: PCS1900; 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, V4.6 Build 23

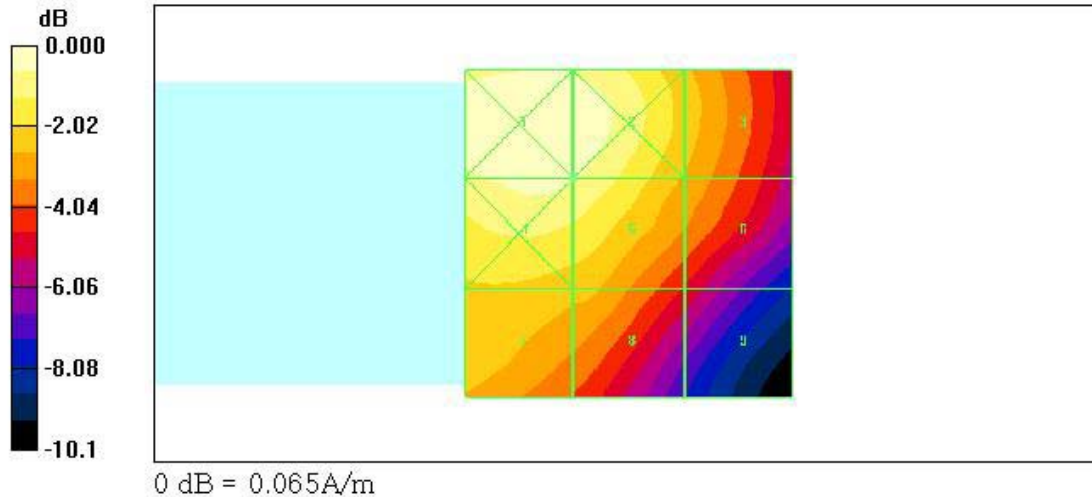
DASY4 Configuration:  
 - Probe: H3DV6 - SN6101; ; Calibrated: 2005-07-20  
 - Sensor-Surface: (Fix Surface)  
 - Electronics: DAE3 Sn446; Calibrated: 2006-03-17  
 - Phantom: HAC Test Arch; Type: SD HAC P01 BA

**H Scan 10mm above Device Reference/Hearing Aid Compatibility Test (101x101x1):**

Measurement grid: dx=5mm, dy=5mm  
 Maximum value of peak Total field = 0.061 A/m  
 Probe Modulation Factor = 0.980  
 Reference Value = 0.049 A/m; Power Drift = 0.006 dB  
**Hearing Aid Near-Field Category: M4 (AWF 0 dB)**

Peak H-field in A/m

Grid 1	Grid 2	Grid 3
0.065	0.064	0.050
Grid 4	Grid 5	Grid 6
0.062	0.061	0.047
Grid 7	Grid 8	Grid 9
0.051	0.049	0.037



Test Laboratory: HCT

Company : PANTECH&CURITEL COMMUNICATIONS, INC.  
 Mode : PCS1900 / Antenna : out / Channel : 600  
 Date Tested : May 3, 2006

**DUT: PN-E330; Type: Folder; Serial: #1**  
**Program Name: HAC H Device**

Communication System: PCS1900; 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, V4.6 Build 23

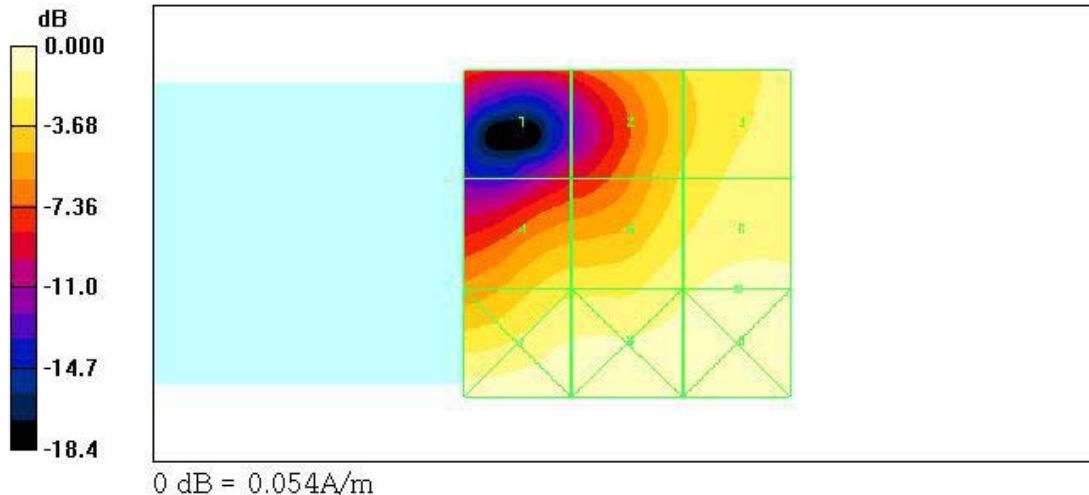
DASY4 Configuration:  
 - Probe: H3DV6 - SN6101; ; Calibrated: 2005-07-20  
 - Sensor-Surface: (Fix Surface)  
 - Electronics: DAE3 Sn446; Calibrated: 2006-03-17  
 - Phantom: HAC Test Arch; Type: SD HAC P01 BA

**H Scan 10mm above Device Reference/Hearing Aid Compatibility Test (101x101x1):**

Measurement grid: dx=5mm, dy=5mm  
 Maximum value of peak Total field = 0.048 A/m  
 Probe Modulation Factor = 0.980  
 Reference Value = 0.035 A/m; Power Drift = -0.001 dB  
**Hearing Aid Near-Field Category: M4 (AWF 0 dB)**

Peak H-field in A/m

Grid 1	Grid 2	Grid 3
<b>0.023</b>	<b>0.036</b>	<b>0.044</b>
Grid 4	Grid 5	Grid 6
<b>0.039</b>	<b>0.046</b>	<b>0.048</b>
Grid 7	Grid 8	Grid 9
<b>0.053</b>	<b>0.054</b>	<b>0.051</b>



Test Laboratory: HCT

Company : PANTECH&CURITEL COMMUNICATIONS, INC.  
 Mode : PCS1900 / Antenna : in / Channel : 1175  
 Date Tested : May 3 , 2006

**DUT: PN-E330; Type: Folder; Serial: #1**  
**Program Name: HAC H Device**

Communication System: PCS1900; 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: DASY4, V4.6 Build 23

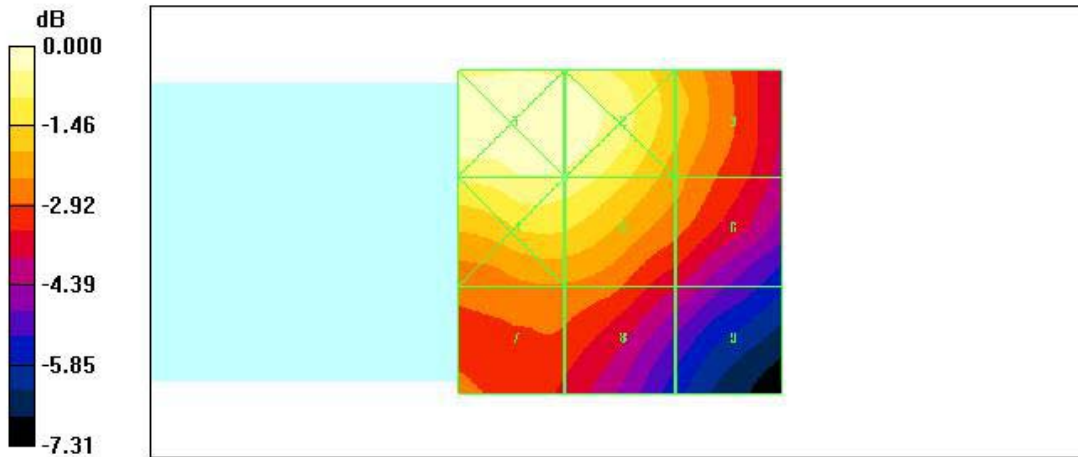
DASY4 Configuration:  
 - Probe: H3DV6 - SN6101; ; Calibrated: 2005-07-20  
 - Sensor-Surface: (Fix Surface)  
 - Electronics: DAE3 Sn446; Calibrated: 2006-03-17  
 - Phantom: HAC Test Arch; Type: SD HAC P01 BA

**H Scan 10mm above Device Reference/Hearing Aid Compatibility Test (101x101x1):**

Measurement grid: dx=5mm, dy=5mm  
 Maximum value of peak Total field = 0.051 A/m  
 Probe Modulation Factor = 0.980  
 Reference Value = 0.041 A/m; Power Drift = 0.002 dB  
**Hearing Aid Near-Field Category: M4 (A WF 0 dB)**

Peak H-field in A/m

Grid 1	Grid 2	Grid 3
<b>0.055</b>	<b>0.055</b>	<b>0.045</b>
Grid 4	Grid 5	Grid 6
<b>0.052</b>	<b>0.051</b>	<b>0.043</b>
Grid 7	Grid 8	Grid 9
<b>0.041</b>	<b>0.041</b>	<b>0.035</b>



0 dB = 0.055A/m



Test Laboratory: HCT

Company : PANTECH&CURITEL COMMUNICATIONS, INC.  
 Mode : PCS1900 / Antenna : out / Channel : 1175  
 Date Tested : May 3, 2006

**DUT: PN-E330; Type: Folder; Serial: #1**  
**Program Name: HAC H Device**

Communication System: PCS1900; 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: DASY4, V4.6 Build 23

DASY4 Configuration:  
 - Probe: H3DV6 - SN6101; ; Calibrated: 2005-07-20  
 - Sensor-Surface: (Fix Surface)  
 - Electronics: DAE3 Sn446; Calibrated: 2006-03-17  
 - 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 = 0.046 A/m  
 Probe Modulation Factor = 0.980  
 Reference Value = 0.030 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
0.026	0.030	0.038
Grid 4	Grid 5	Grid 6
0.038	0.043	0.046
Grid 7	Grid 8	Grid 9
0.057	0.057	0.053

