

## APPENDIX A. HAC TEST PLOTS

Test Laboratory: HCT CO., LTD.  
 Ambient Temperature / Channel 21.4 °C /128  
 Test Date Mar.24,2009

**DUT: C790; Type: Slide down; Serial: #1**

Communication System: GSM 850; Frequency: 824.2 MHz;Duty Cycle: 1:8.3  
 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 - 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 - ER3D - 2007: 15 mm from Probe Center to the Device/Hearing Aid Compatibility Test (101x101x1):**

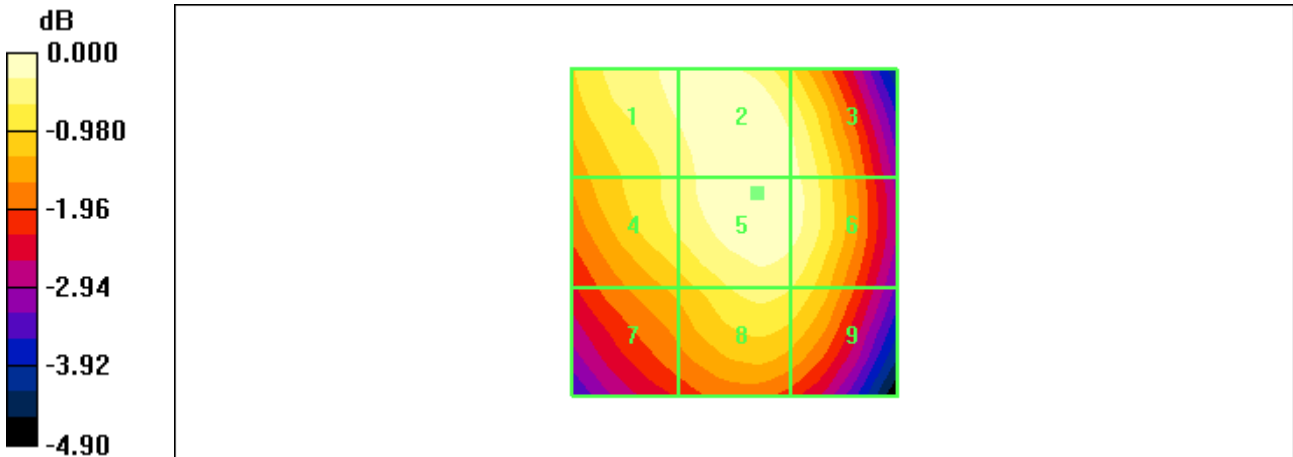
Measurement grid: dx=5mm, dy=5mm  
 Maximum value of peak Total field = 123.6 V/m  
 Probe Modulation Factor = 2.76  
 Device Reference Point: 0.000, 0.000, 353.7 mm  
 Reference Value = 60.2 V/m; Power Drift = 0.083 dB  
**Hearing Aid Near-Field Category: M4 (AWF -5 dB)**

Peak E-field in V/m

Grid 1	Grid 2	Grid 3
120.4 M4	123.5 M4	121.0 M4
Grid 4	Grid 5	Grid 6
116.9 M4	123.6 M4	121.7 M4
Grid 7	Grid 8	Grid 9
108.1 M4	116.5 M4	114.9 M4

**Cursor:**

Total = 123.6 V/m  
 E Category: M4  
 Location: -3.5, -6, 369.9 mm



0 dB = 123.6V/m

Test Laboratory: HCT CO., LTD.  
 Ambient Temperature / Channel 21.4 °C /190  
 Test Date Mar.24,2009

**DUT: C790; Type: Slide down; Serial: #1**

Communication System: GSM 850; Frequency: 836.6 MHz; Duty Cycle: 1:8.3  
 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 - 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 - ER3D - 2007: 15 mm from Probe Center to the Device/Hearing Aid Compatibility Test (101x101x1):**

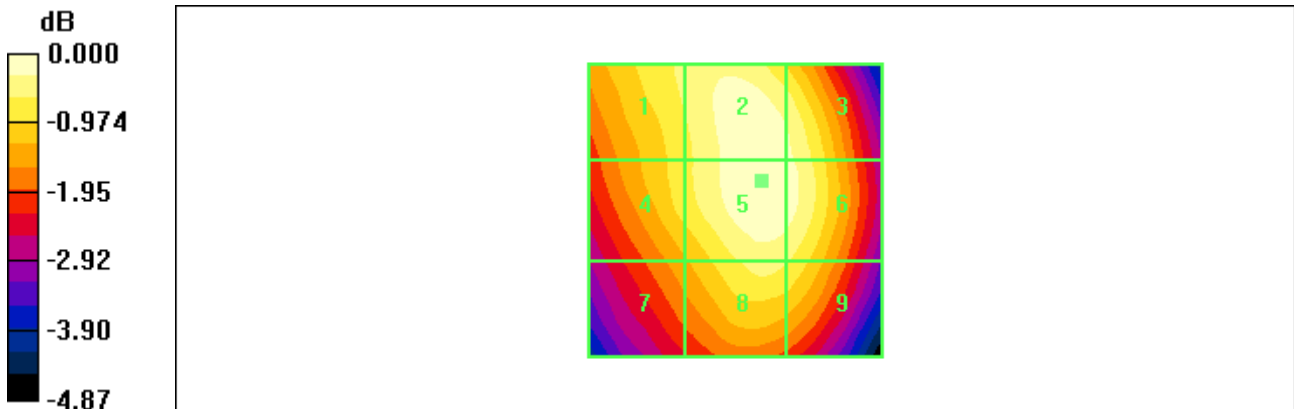
Measurement grid: dx=5mm, dy=5mm  
 Maximum value of peak Total field = 168.8 V/m  
 Probe Modulation Factor = 2.76  
 Device Reference Point: 0.000, 0.000, 353.7 mm  
 Reference Value = 81.9 V/m; Power Drift = 0.093 dB  
**Hearing Aid Near-Field Category: M3 (AWF -5 dB)**

Peak E-field in V/m

Grid 1	Grid 2	Grid 3
158.3 M3	167.8 M3	164.9 M3
Grid 4	Grid 5	Grid 6
155.1 M3	168.8 M3	166.4 M3
Grid 7	Grid 8	Grid 9
144.9 M4	159.8 M3	157.5 M3

**Cursor:**

Total = 168.8 V/m  
 E Category: M3  
 Location: -4.5, -5, 369.9 mm



0 dB = 168.8V/m

Test Laboratory: HCT CO., LTD.  
 Ambient Temperature / Channel 21.4 °C /251  
 Test Date Mar.24,2009

**DUT: C790; Type: Slide down; Serial: #1**

Communication System: GSM 850; Frequency: 848.8 MHz; Duty Cycle: 1:8.3  
 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

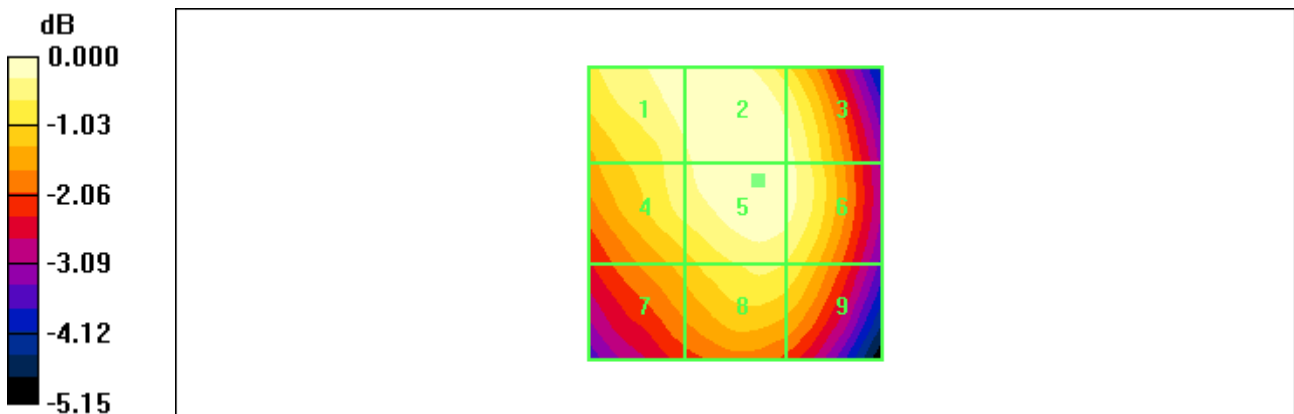
DASY4 Configuration:  
 - Probe: ER3DV6 - SN2343; ConvF(1, 1, 1); Calibrated: 2008-05-19  
 - Sensor-Surface: (Fix Surface)  
 - Electronics: DAE3 Sn466; Calibrated: 2008-07-17  
 - Phantom: HAC Test Arch; Type: SD HAC P01 BA

**E Scan - 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 = 157.9 V/m  
 Probe Modulation Factor = 2.76  
 Device Reference Point: 0.000, 0.000, 353.7 mm  
 Reference Value = 77.2 V/m; Power Drift = 0.003 dB  
**Hearing Aid Near-Field Category: M3 (AWF -5 dB)**

Peak E-field in V/m

Grid 1	Grid 2	Grid 3
156.3 M3	157.7 M3	154.5 M3
Grid 4	Grid 5	Grid 6
150.7 M3	157.9 M3	155.1 M3
Grid 7	Grid 8	Grid 9
138.0 M4	148.0 M4	145.7 M4

**Cursor:**  
 Total = 157.9 V/m  
 E Category: M3  
 Location: -4, -5.5, 369.9 mm



0 dB = 157.9V/m

Test Laboratory: HCT CO., LTD.  
 Ambient Temperature / Channel 21.4 °C /512  
 Test Date Mar.24,2009

**DUT: C790; Type: Slide down; Serial: #1**

Communication System: GSM 1900; Frequency: 1850.2 MHz; Duty Cycle: 1:8.3  
 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 - 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 - ER3D - 2007: 15 mm from Probe Center to the Device/Hearing Aid Compatibility Test (101x101x1):**

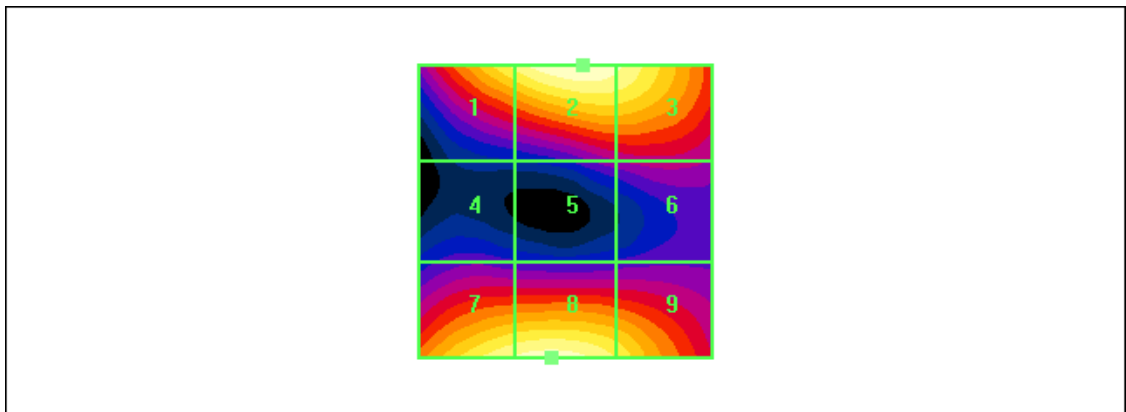
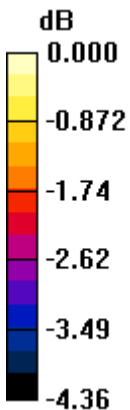
Measurement grid: dx=5mm, dy=5mm  
 Maximum value of peak Total field = 61.5 V/m  
 Probe Modulation Factor = 2.71  
 Device Reference Point: 0.000, 0.000, 353.7 mm  
 Reference Value = 12.8 V/m; Power Drift = 0.140 dB  
**Hearing Aid Near-Field Category: M3 (AWF -5 dB)**

Peak E-field in V/m

Grid 1	Grid 2	Grid 3
58.5 M3	61.5 M3	60.0 M3
Grid 4	Grid 5	Grid 6
43.7 M4	45.3 M4	46.5 M4
Grid 7	Grid 8	Grid 9
59.9 M3	60.8 M3	57.5 M3

**Cursor:**

Total = 61.5 V/m  
 E Category: M3  
 Location: -3, -25, 369.9 mm



0 dB = 61.5V/m

Test Laboratory: HCT CO., LTD.  
 Ambient Temperature / Channel 21.4 °C /661  
 Test Date Mar.24,2009

**DUT: C790; Type: Slide down; Serial: #1**

Communication System: GSM 1900; Frequency: 1880 MHz;Duty Cycle: 1:8.3  
 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

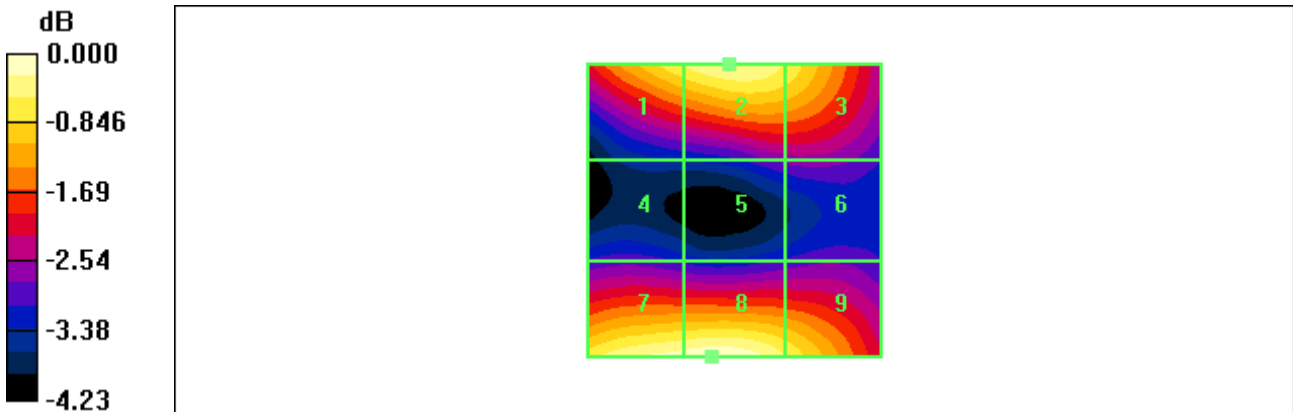
DASY4 Configuration:  
 - Probe: ER3DV6 - SN2343; ConvF(1, 1, 1); Calibrated: 2008-05-19  
 - Sensor-Surface: (Fix Surface)  
 - Electronics: DAE3 Sn466; Calibrated: 2008-07-17  
 - Phantom: HAC Test Arch; Type: SD HAC P01 BA

**E Scan - 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 = 62.9 V/m  
 Probe Modulation Factor = 2.71  
 Device Reference Point: 0.000, 0.000, 353.7 mm  
 Reference Value = 13.4 V/m; Power Drift = 0.155 dB  
**Hearing Aid Near-Field Category: M3 (AWF -5 dB)**

Peak E-field in V/m

Grid 1	Grid 2	Grid 3
59.4 M3	60.9 M3	58.9 M3
Grid 4	Grid 5	Grid 6
44.9 M4	46.0 M4	46.3 M4
Grid 7	Grid 8	Grid 9
62.2 M3	62.9 M3	59.1 M3

**Cursor:**  
 Total = 62.9 V/m  
 E Category: M3  
 Location: 4, 25, 369.9 mm



0 dB = 62.9V/m

Test Laboratory: HCT CO., LTD.

Ambient Temperature / Channel 21.4 °C /661

Test Date Mar.24,2009

**DUT: C790; Type: Slide down; Serial: #1**

Communication System: GSM 1900; Frequency: 1909.8 MHz;Duty Cycle: 1:8.3

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 - 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 - 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 = 69.1 V/m

Probe Modulation Factor = 2.71

Device Reference Point: 0.000, 0.000, 353.7 mm

Reference Value = 13.5 V/m; Power Drift = 0.157 dB

**Hearing Aid Near-Field Category: M3 (AWF -5 dB)**

Peak E-field in V/m

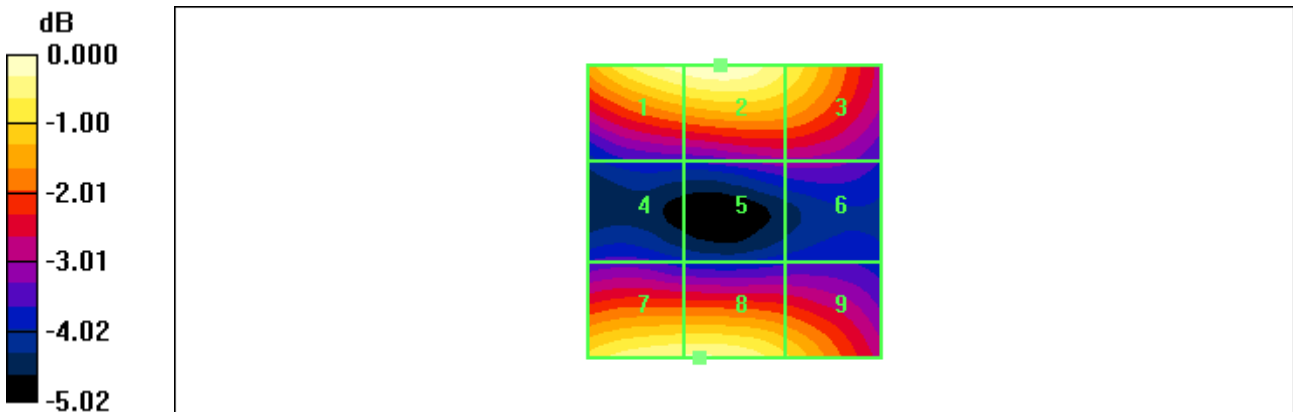
Grid 1	Grid 2	Grid 3
68.1 M3	69.1 M3	64.4 M3
Grid 4	Grid 5	Grid 6
46.1 M4	48.1 M3	48.3 M3
Grid 7	Grid 8	Grid 9
67.1 M3	67.2 M3	62.4 M3

**Cursor:**

Total = 69.1 V/m

E Category: M3

Location: 2.5, -25, 369.9 mm



0 dB = 69.1V/m

Test Laboratory: HCT CO., LTD.

Ambient Temperature / Channel 21.4 °C /128

Test Date Mar.24,2009

**DUT: C790; Type: Slide down; Serial: #1**

Communication System: GSM 850; Frequency: 824.2 MHz; Duty Cycle: 1:8.3

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 - 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 - 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 = 0.157 A/m

Probe Modulation Factor = 1.97

Device Reference Point: 0.000, 0.000, 353.7 mm

Reference Value = 0.045 A/m; Power Drift = -0.058 dB

**Hearing Aid Near-Field Category: M4 (AWF -5 dB)**

Peak H-field in A/m

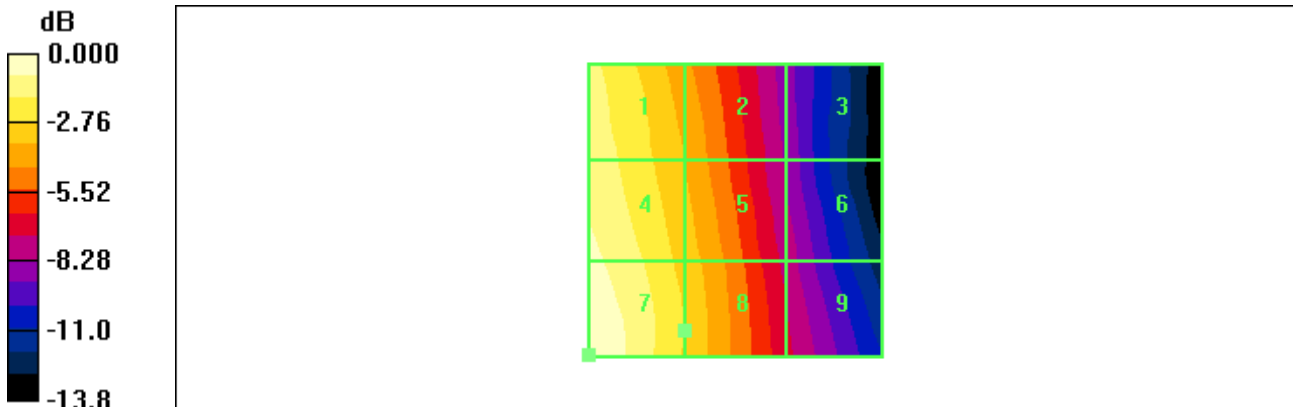
Grid 1 0.136 M4	Grid 2 0.103 M4	Grid 3 0.060 M4
Grid 4 0.146 M4	Grid 5 0.109 M4	Grid 6 0.065 M4
Grid 7 0.157 M4	Grid 8 0.113 M4	Grid 9 0.070 M4

**Cursor:**

Total = 0.157 A/m

H Category: M4

Location: 25, 24.5, 369.4 mm



0 dB = 0.157A/m



Test Laboratory: HCT CO., LTD.

Ambient Temperature / Channel 21.4 °C /190

Test Date Mar.24,2009

**DUT: C790; Type: Slide down; Serial: #1**

Communication System: GSM 850; Frequency: 836.6 MHz; Duty Cycle: 1:8.3  
 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

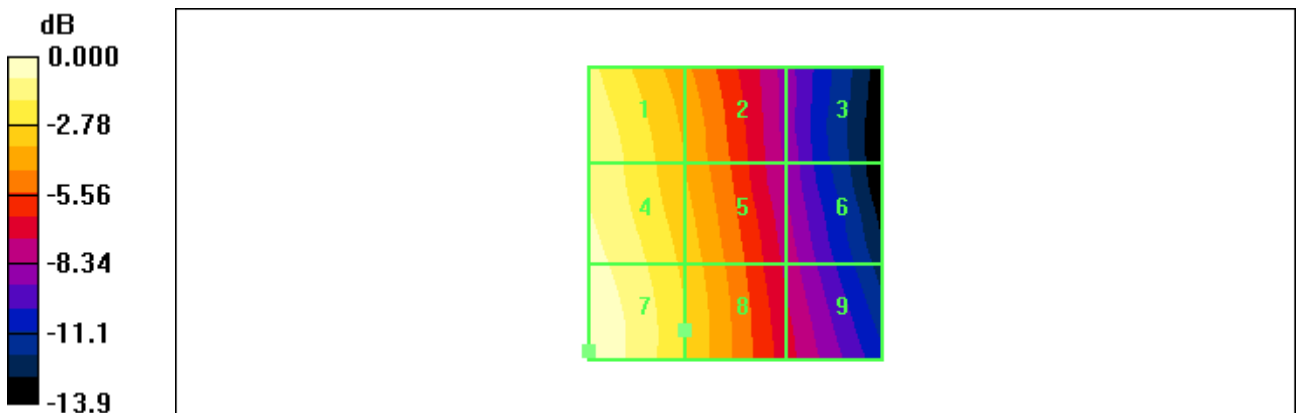
DASY4 Configuration:  
 - Probe: H3DV6 - SN6101; ; Calibrated: 2008-05-19  
 - Sensor-Surface: (Fix Surface)  
 - Electronics: DAE3 Sn466; Calibrated: 2008-07-17  
 - Phantom: HAC Test Arch; Type: SD HAC P01 BA

**H Scan - 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 = 0.219 A/m  
 Probe Modulation Factor = 1.97  
 Device Reference Point: 0.000, 0.000, 353.7 mm  
 Reference Value = 0.064 A/m; Power Drift = -0.131 dB  
**Hearing Aid Near-Field Category: M4 (AWF -5 dB)**

Peak H-field in A/m

Grid 1	Grid 2	Grid 3
0.192 M4	0.143 M4	0.083 M4
Grid 4	Grid 5	Grid 6
0.207 M4	0.154 M4	0.091 M4
Grid 7	Grid 8	Grid 9
0.219 M4	0.160 M4	0.099 M4

**Cursor:**  
 Total = 0.219 A/m  
 H Category: M4  
 Location: 25, 23.5, 369.4 mm



0 dB = 0.219A/m

Test Laboratory: HCT CO., LTD.

Ambient Temperature / Channel 21.4 °C /251

Test Date Mar.24,2009

**DUT: C790; Type: Slide down; Serial: #1**

Communication System: GSM 850; Frequency: 848.8 MHz; Duty Cycle: 1:8.3  
 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

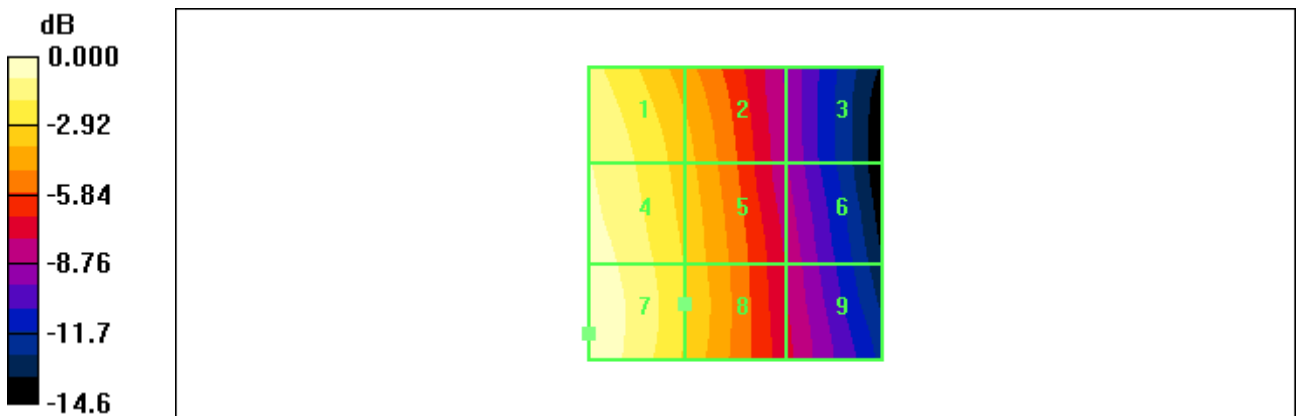
DASY4 Configuration:  
 - Probe: H3DV6 - SN6101; ; Calibrated: 2008-05-19  
 - Sensor-Surface: (Fix Surface)  
 - Electronics: DAE3 Sn466; Calibrated: 2008-07-17  
 - Phantom: HAC Test Arch; Type: SD HAC P01 BA

**H Scan - 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 = 0.202 A/m  
 Probe Modulation Factor = 1.97  
 Device Reference Point: 0.000, 0.000, 353.7 mm  
 Reference Value = 0.058 A/m; Power Drift = 0.100 dB  
**Hearing Aid Near-Field Category: M4 (AWF -5 dB)**

Peak H-field in A/m

Grid 1	Grid 2	Grid 3
0.182 M4	0.135 M4	0.075 M4
Grid 4	Grid 5	Grid 6
0.194 M4	0.143 M4	0.082 M4
Grid 7	Grid 8	Grid 9
0.202 M4	0.145 M4	0.086 M4

**Cursor:**  
 Total = 0.202 A/m  
 H Category: M4  
 Location: 25, 20.5, 369.4 mm



0 dB = 0.202A/m

Test Laboratory: HCT CO., LTD.  
 Ambient Temperature / Channel 21.4 °C /512  
 Test Date Mar.24,2009

**DUT: C790; Type: Slide down; Serial: #1**

Communication System: GSM 1900; Frequency: 1850.2 MHz; Duty Cycle: 1:8.3  
 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

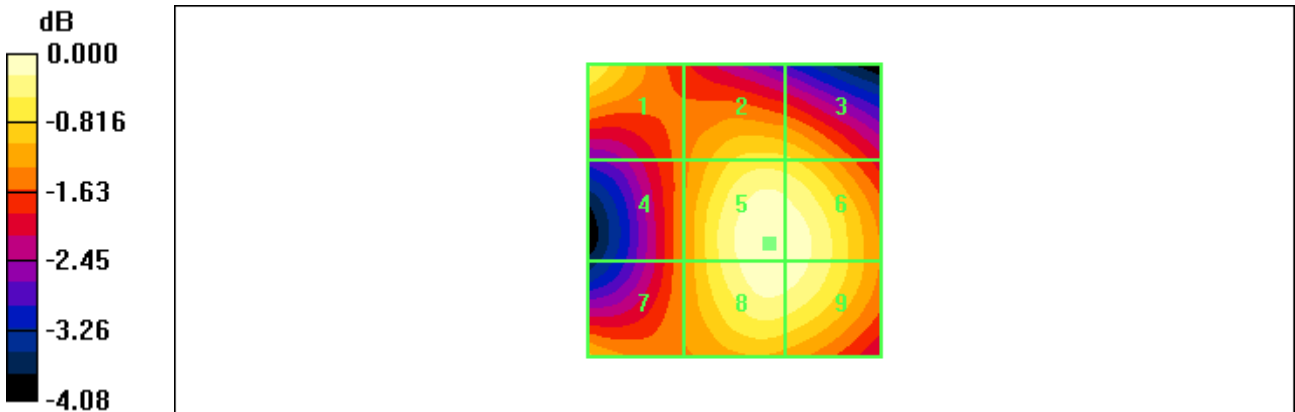
DASY4 Configuration:  
 - Probe: H3DV6 - SN6101; ; Calibrated: 2008-05-19  
 - Sensor-Surface: (Fix Surface)  
 - Electronics: DAE3 Sn466; Calibrated: 2008-07-17  
 - Phantom: HAC Test Arch; Type: SD HAC P01 BA

**H Scan - 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 = 0.149 A/m  
 Probe Modulation Factor = 2.24  
 Device Reference Point: 0.000, 0.000, 353.7 mm  
 Reference Value = 0.071 A/m; Power Drift = -0.005 dB  
**Hearing Aid Near-Field Category: M3 (AWF -5 dB)**

Peak H-field in A/m

Grid 1	Grid 2	Grid 3
0.142 M3	0.138 M4	0.137 M4
Grid 4	Grid 5	Grid 6
0.128 M4	0.149 M3	0.148 M3
Grid 7	Grid 8	Grid 9
0.134 M4	0.149 M3	0.148 M3

**Cursor:**  
 Total = 0.149 A/m  
 H Category: M3  
 Location: -6, 5.5, 369.4 mm



0 dB = 0.149A/m

Test Laboratory: HCT CO., LTD.  
 Ambient Temperature / Channel 21.4 °C /661  
 Test Date Mar.24,2009

**DUT: C790; Type: Slide down; Serial: #1**

Communication System: GSM 1900; Frequency: 1880 MHz; Duty Cycle: 1:8.3  
 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

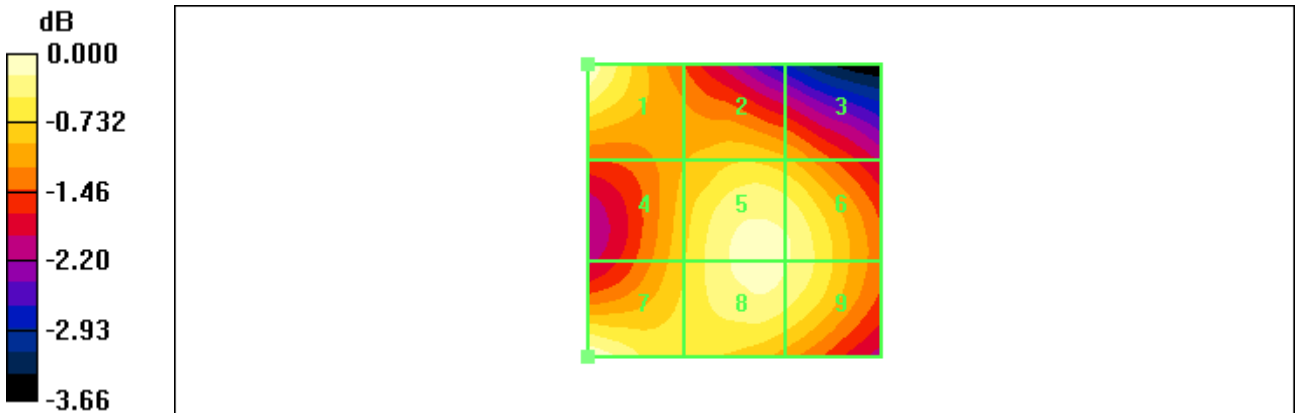
DASY4 Configuration:  
 - Probe: H3DV6 - SN6101; ; Calibrated: 2008-05-19  
 - Sensor-Surface: (Fix Surface)  
 - Electronics: DAE3 Sn466; Calibrated: 2008-07-17  
 - Phantom: HAC Test Arch; Type: SD HAC P01 BA

**H Scan - 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 = 0.145 A/m  
 Probe Modulation Factor = 2.24  
 Device Reference Point: 0.000, 0.000, 353.7 mm  
 Reference Value = 0.068 A/m; Power Drift = 0.084 dB  
**Hearing Aid Near-Field Category: M3 (AWF -5 dB)**

Peak H-field in A/m

Grid 1	Grid 2	Grid 3
0.145 M3	0.133 M4	0.131 M4
Grid 4	Grid 5	Grid 6
0.133 M4	0.143 M3	0.142 M3
Grid 7	Grid 8	Grid 9
0.145 M3	0.143 M3	0.142 M3

**Cursor:**  
 Total = 0.145 A/m  
 H Category: M3  
 Location: 25, 25, 369.4 mm



0 dB = 0.145A/m

Test Laboratory: HCT CO., LTD.

Ambient Temperature / Channel 21.4 °C /810

Test Date Mar.24,2009

**DUT: C790; Type: Slide down; Serial: #1**

Communication System: GSM 1900; Frequency: 1909.8 MHz;Duty Cycle: 1:8.3

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 - 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 - 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 = 0.159 A/m

Probe Modulation Factor = 2.24

Device Reference Point: 0.000, 0.000, 353.7 mm

Reference Value = 0.076 A/m; Power Drift = 0.040 dB

**Hearing Aid Near-Field Category: M3 (AWF -5 dB)**

Peak H-field in A/m

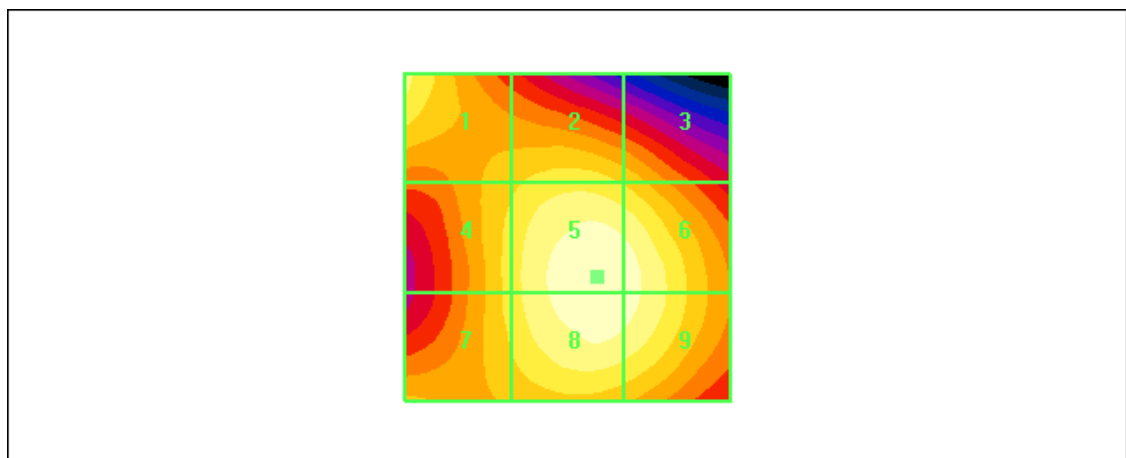
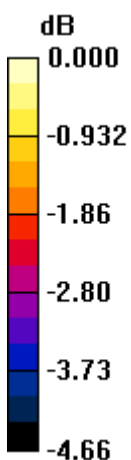
Grid 1	Grid 2	Grid 3
0.150 M3	0.146 M3	0.142 M3
Grid 4	Grid 5	Grid 6
0.146 M3	0.159 M3	0.157 M3
Grid 7	Grid 8	Grid 9
0.146 M3	0.158 M3	0.156 M3

**Cursor:**

Total = 0.159 A/m

H Category: M3

Location: -4.5, 6, 369.4 mm



0 dB = 0.159A/m

Test Laboratory: HCT CO., LTD.

Ambient Temperature / Channel 21.4 °C /128

Test Date Mar.24,2009

**DUT: C790; Type: Slide up; Serial: #1**

Communication System: GSM 850; Frequency: 824.2 MHz;Duty Cycle: 1:8.3

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 - 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 - 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 = 135.4 V/m

Probe Modulation Factor = 2.76

Device Reference Point: 0.000, 0.000, 353.7 mm

Reference Value = 66.6 V/m; Power Drift = -0.066 dB

**Hearing Aid Near-Field Category: M4 (AWF -5 dB)**

Peak E-field in V/m

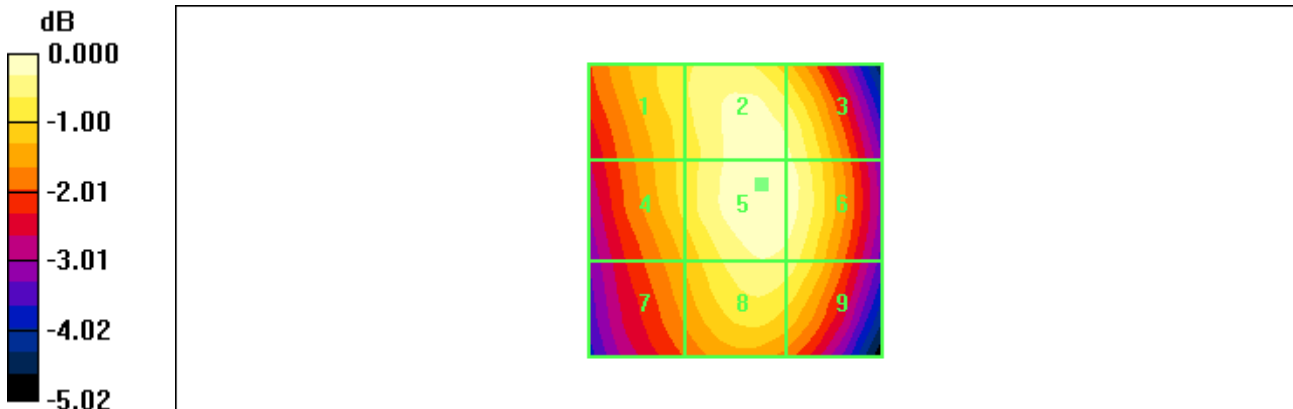
Grid 1	Grid 2	Grid 3
124.8 M4	134.4 M4	132.0 M4
Grid 4	Grid 5	Grid 6
122.9 M4	135.4 M4	133.7 M4
Grid 7	Grid 8	Grid 9
117.1 M4	130.1 M4	128.4 M4

**Cursor:**

Total = 135.4 V/m

E Category: M4

Location: -4.5, -4.5, 369.9 mm



0 dB = 135.4V/m

Test Laboratory: HCT CO., LTD.  
 Ambient Temperature / Channel 21.4 °C /190  
 Test Date Mar.24,2009

**DUT: C790; Type: Slide up; Serial: #1**

Communication System: GSM 850; Frequency: 836.6 MHz; Duty Cycle: 1:8.3  
 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 - 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 - ER3D - 2007: 15 mm from Probe Center to the Device/Hearing Aid Compatibility Test (101x101x1):**

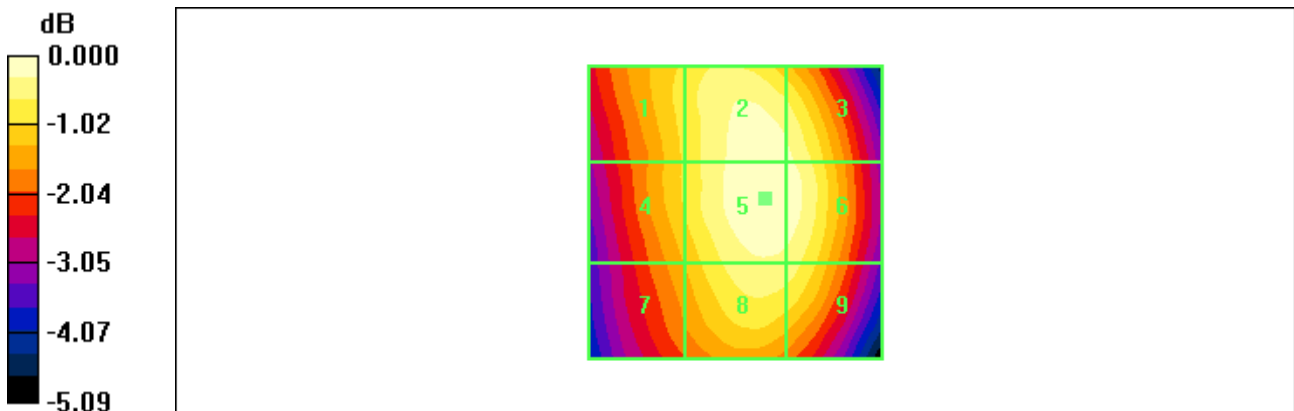
Measurement grid: dx=5mm, dy=5mm  
 Maximum value of peak Total field = 187.9 V/m  
 Probe Modulation Factor = 2.76  
 Device Reference Point: 0.000, 0.000, 353.7 mm  
 Reference Value = 92.7 V/m; Power Drift = -0.058 dB  
**Hearing Aid Near-Field Category: M3 (AWF -5 dB)**

Peak E-field in V/m

Grid 1	Grid 2	Grid 3
170.7 M3	186.4 M3	183.6 M3
Grid 4	Grid 5	Grid 6
168.9 M3	187.9 M3	186.3 M3
Grid 7	Grid 8	Grid 9
161.6 M3	179.6 M3	178.4 M3

**Cursor:**

Total = 187.9 V/m  
 E Category: M3  
 Location: -5, -2.5, 369.9 mm



0 dB = 187.9V/m

Test Laboratory: HCT CO., LTD.

Ambient Temperature / Channel 21.4 °C /251

Test Date Mar.24,2009

**DUT: C790; Type: Slide up; Serial: #1**

Communication System: GSM 850; Frequency: 848.8 MHz;Duty Cycle: 1:8.3  
 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

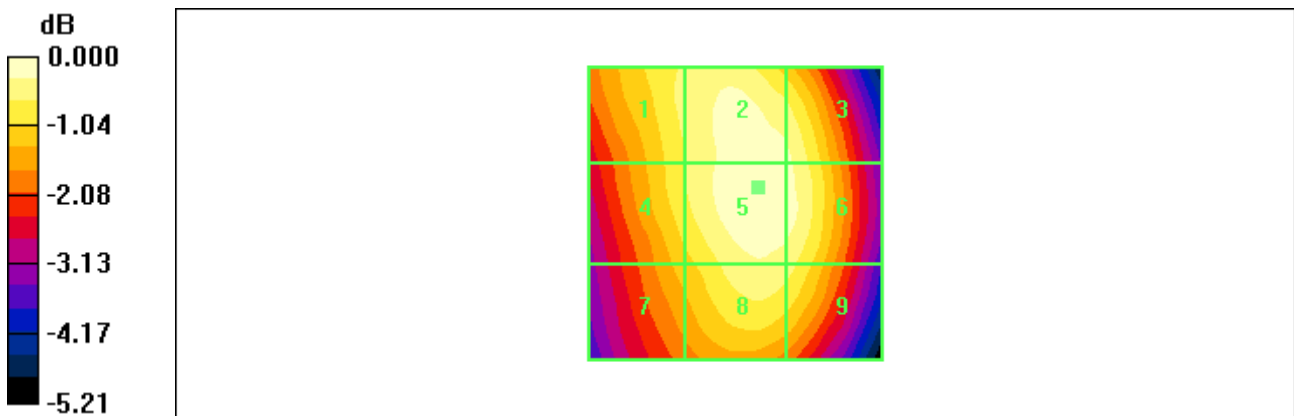
DASY4 Configuration:  
 - Probe: ER3DV6 - SN2343; ConvF(1, 1, 1); Calibrated: 2008-05-19  
 - Sensor-Surface: (Fix Surface)  
 - Electronics: DAE3 Sn466; Calibrated: 2008-07-17  
 - Phantom: HAC Test Arch; Type: SD HAC P01 BA

**E Scan - 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 = 196.0 V/m  
 Probe Modulation Factor = 2.76  
 Device Reference Point: 0.000, 0.000, 353.7 mm  
 Reference Value = 97.1 V/m; Power Drift = -0.103 dB  
**Hearing Aid Near-Field Category: M3 (AWF -5 dB)**

Peak E-field in V/m

Grid 1	Grid 2	Grid 3
183.6 M3	194.8 M3	190.8 M3
Grid 4	Grid 5	Grid 6
181.1 M3	196.0 M3	192.7 M3
Grid 7	Grid 8	Grid 9
171.5 M3	187.8 M3	184.7 M3

**Cursor:**  
 Total = 196.0 V/m  
 E Category: M3  
 Location: -4, -4.5, 369.9 mm



0 dB = 196.0V/m



Test Laboratory: HCT CO., LTD.

Ambient Temperature / Channel 21.4 °C /512

Test Date Mar.24,2009

**DUT: C790; Type: Slide up; Serial: #1**

Communication System: GSM 1900; Frequency: 1850.2 MHz; Duty Cycle: 1:8.3

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 - 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 - 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 = 65.3 V/m

Probe Modulation Factor = 2.71

Device Reference Point: 0.000, 0.000, 353.7 mm

Reference Value = 9.64 V/m; Power Drift = -0.017 dB

**Hearing Aid Near-Field Category: M3 (AWF -5 dB)**

Peak E-field in V/m

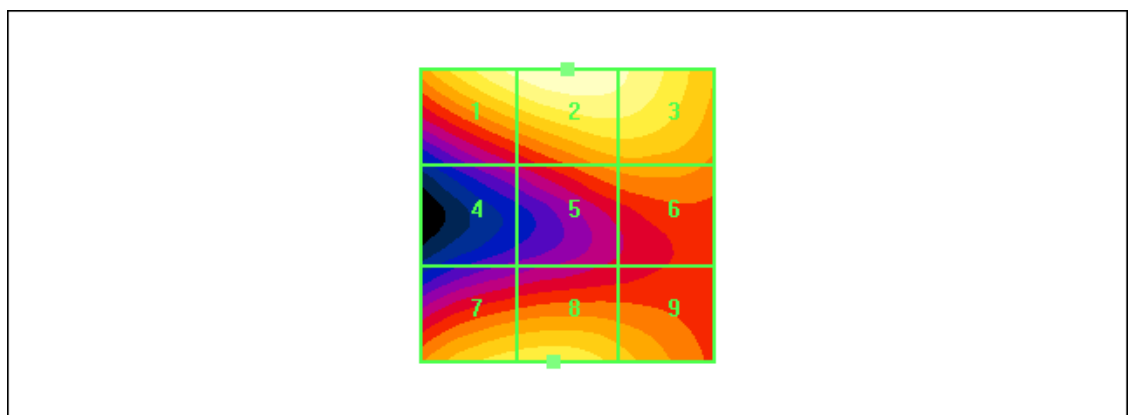
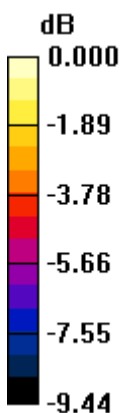
Grid 1	Grid 2	Grid 3
62.6 M3	65.3 M3	62.1 M3
Grid 4	Grid 5	Grid 6
36.6 M4	46.9 M4	47.5 M3
Grid 7	Grid 8	Grid 9
55.0 M3	55.7 M3	51.3 M3

**Cursor:**

Total = 65.3 V/m

E Category: M3

Location: 0, -25, 369.9 mm



0 dB = 65.3V/m

Test Laboratory: HCT CO., LTD.

Ambient Temperature / Channel 21.4 °C /661

Test Date Mar.24,2009

**DUT: C790; Type: Slide up; Serial: #1**

Communication System: GSM 1900; Frequency: 1880 MHz;Duty Cycle: 1:8.3  
 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

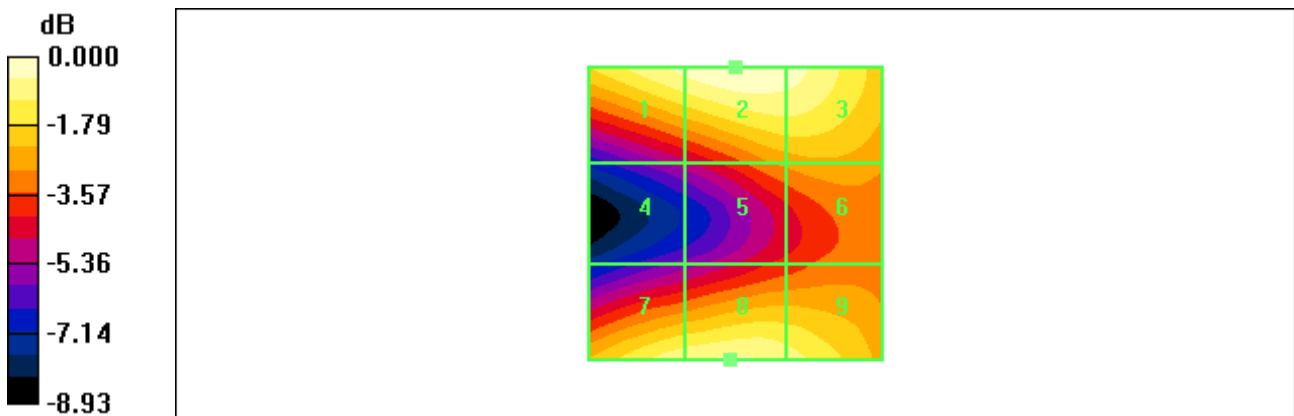
DASY4 Configuration:  
 - Probe: ER3DV6 - SN2343; ConvF(1, 1, 1); Calibrated: 2008-05-19  
 - Sensor-Surface: (Fix Surface)  
 - Electronics: DAE3 Sn466; Calibrated: 2008-07-17  
 - Phantom: HAC Test Arch; Type: SD HAC P01 BA

**E Scan - 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 = 58.9 V/m  
 Probe Modulation Factor = 2.71  
 Device Reference Point: 0.000, 0.000, 353.7 mm  
 Reference Value = 8.67 V/m; Power Drift = -0.066 dB  
**Hearing Aid Near-Field Category: M3 (AWF -5 dB)**

Peak E-field in V/m

Grid 1	Grid 2	Grid 3
56.6 M3	58.9 M3	57.0 M3
Grid 4	Grid 5	Grid 6
33.3 M4	42.7 M4	44.2 M4
Grid 7	Grid 8	Grid 9
54.5 M3	55.8 M3	53.5 M3

**Cursor:**  
 Total = 58.9 V/m  
 E Category: M3  
 Location: 0, -25, 369.9 mm



0 dB = 58.9V/m

Test Laboratory: HCT CO., LTD.  
 Ambient Temperature / Channel 21.4 °C /810  
 Test Date Mar.24,2009

**DUT: C790; Type: Slide up; Serial: #1**

Communication System: GSM 1900; Frequency: 1909.8 MHz; Duty Cycle: 1:8.3  
 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

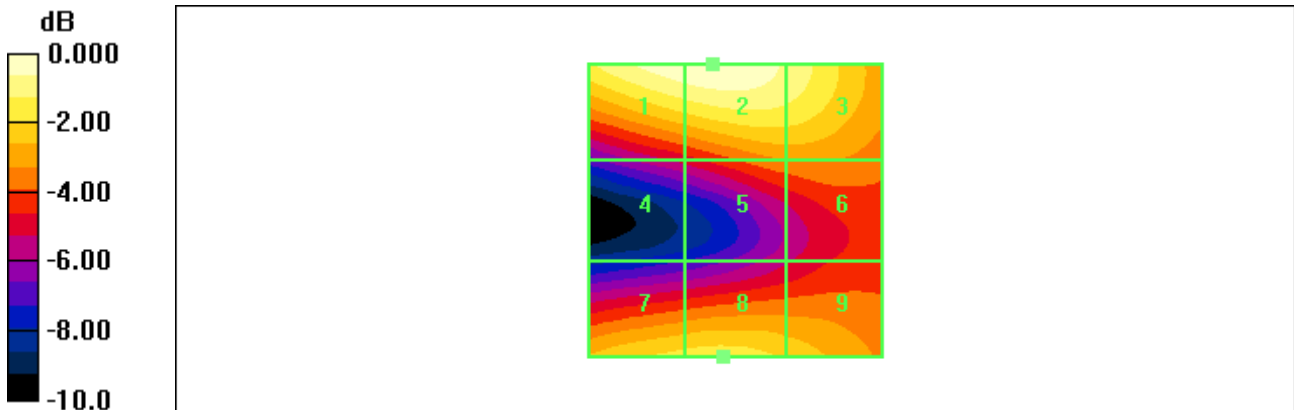
DASY4 Configuration:  
 - Probe: ER3DV6 - SN2343; ConvF(1, 1, 1); Calibrated: 2008-05-19  
 - Sensor-Surface: (Fix Surface)  
 - Electronics: DAE3 Sn466; Calibrated: 2008-07-17  
 - Phantom: HAC Test Arch; Type: SD HAC P01 BA

**E Scan - 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 = 71.5 V/m  
 Probe Modulation Factor = 2.71  
 Device Reference Point: 0.000, 0.000, 353.7 mm  
 Reference Value = 10.1 V/m; Power Drift = 0.055 dB  
**Hearing Aid Near-Field Category: M3 (AWF -5 dB)**

Peak E-field in V/m

Grid 1	Grid 2	Grid 3
70.6 M3	71.5 M3	65.6 M3
Grid 4	Grid 5	Grid 6
40.0 M4	48.5 M3	49.1 M3
Grid 7	Grid 8	Grid 9
58.7 M3	59.5 M3	56.1 M3

**Cursor:**  
 Total = 71.5 V/m  
 E Category: M3  
 Location: 4, -25, 369.9 mm



0 dB = 71.5V/m

Test Laboratory: HCT CO., LTD.

Ambient Temperature / Channel 21.4 °C /128

Test Date Mar.24,2009

**DUT: C790; Type: Slide up; Serial: #1**

Communication System: GSM 850; Frequency: 824.2 MHz; Duty Cycle: 1:8.3

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 - 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 - 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 = 0.166 A/m

Probe Modulation Factor = 1.97

Device Reference Point: 0.000, 0.000, 353.7 mm

Reference Value = 0.048 A/m; Power Drift = 0.055 dB

**Hearing Aid Near-Field Category: M4 (AWF -5 dB)**

Peak H-field in A/m

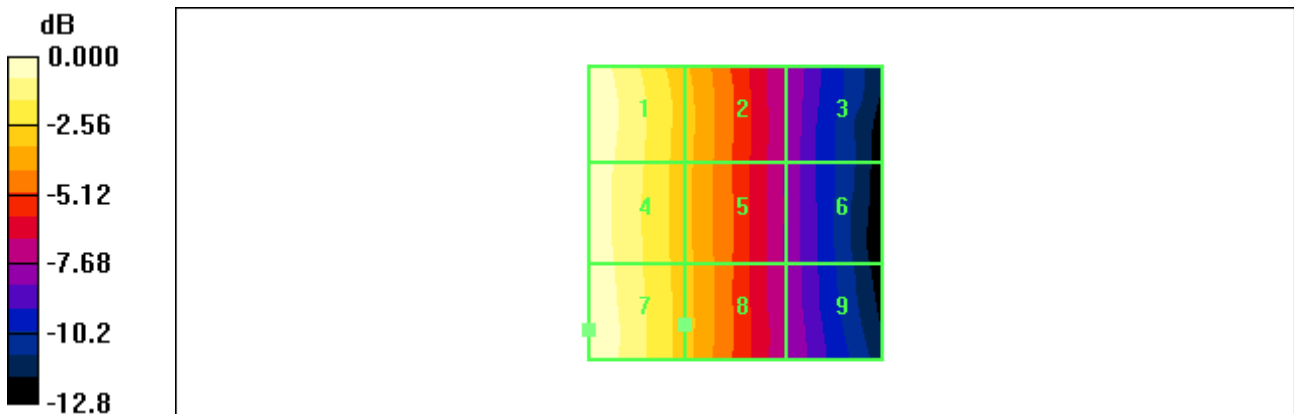
Grid 1	Grid 2	Grid 3
0.165 M4	0.117 M4	0.069 M4
Grid 4	Grid 5	Grid 6
0.162 M4	0.116 M4	0.068 M4
Grid 7	Grid 8	Grid 9
0.166 M4	0.117 M4	0.070 M4

**Cursor:**

Total = 0.166 A/m

H Category: M4

Location: 25, 20, 369.4 mm



0 dB = 0.166A/m

Test Laboratory: HCT CO., LTD.  
 Ambient Temperature / Channel 21.4 °C /190  
 Test Date Mar.24,2009

**DUT: C790; Type: Slide up; Serial: #1**

Communication System: GSM 850; Frequency: 836.6 MHz; Duty Cycle: 1:8.3  
 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

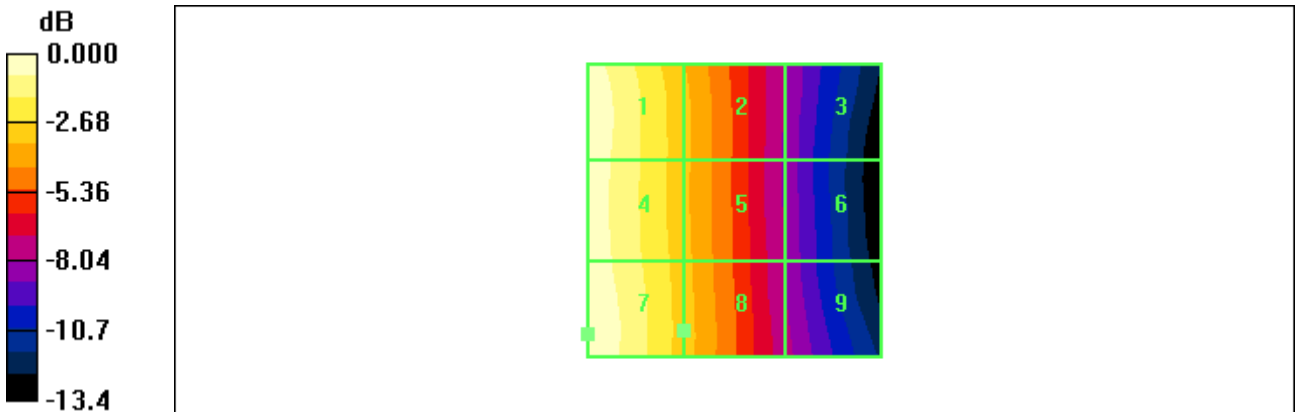
DASY4 Configuration:  
 - Probe: H3DV6 - SN6101; ; Calibrated: 2008-05-19  
 - Sensor-Surface: (Fix Surface)  
 - Electronics: DAE3 Sn466; Calibrated: 2008-07-17  
 - Phantom: HAC Test Arch; Type: SD HAC P01 BA

**H Scan - 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 = 0.239 A/m  
 Probe Modulation Factor = 1.97  
 Device Reference Point: 0.000, 0.000, 353.7 mm  
 Reference Value = 0.066 A/m; Power Drift = 0.092 dB  
**Hearing Aid Near-Field Category: M4 (AWF -5 dB)**

Peak H-field in A/m

Grid 1	Grid 2	Grid 3
0.234 M4	0.163 M4	0.095 M4
Grid 4	Grid 5	Grid 6
0.232 M4	0.165 M4	0.095 M4
Grid 7	Grid 8	Grid 9
0.239 M4	0.167 M4	0.099 M4

**Cursor:**  
 Total = 0.239 A/m  
 H Category: M4  
 Location: 25, 21, 369.4 mm



0 dB = 0.239A/m

Test Laboratory: HCT CO., LTD.

Ambient Temperature / Channel 21.4 °C /251

Test Date Mar.24,2009

**DUT: C790; Type: Slide up; Serial: #1**

Communication System: GSM 850; Frequency: 848.8 MHz; Duty Cycle: 1:8.3  
 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

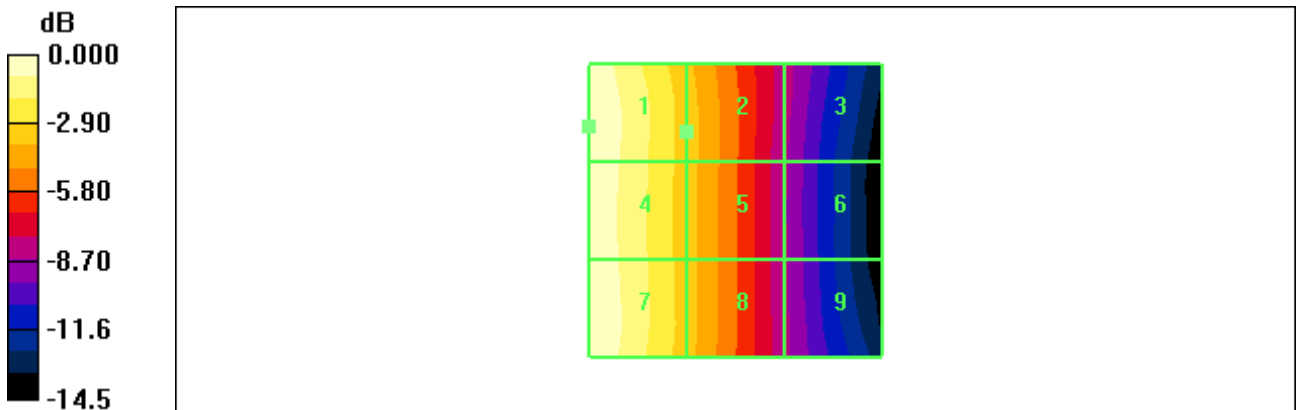
DASY4 Configuration:  
 - Probe: H3DV6 - SN6101; ; Calibrated: 2008-05-19  
 - Sensor-Surface: (Fix Surface)  
 - Electronics: DAE3 Sn466; Calibrated: 2008-07-17  
 - Phantom: HAC Test Arch; Type: SD HAC P01 BA

**H Scan - 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 = 0.257 A/m  
 Probe Modulation Factor = 1.97  
 Device Reference Point: 0.000, 0.000, 353.7 mm  
 Reference Value = 0.071 A/m; Power Drift = -0.114 dB  
**Hearing Aid Near-Field Category: M4 (AWF -5 dB)**

Peak H-field in A/m

Grid 1 0.257 M4	Grid 2 0.175 M4	Grid 3 0.099 M4
Grid 4 0.254 M4	Grid 5 0.175 M4	Grid 6 0.097 M4
Grid 7 0.256 M4	Grid 8 0.175 M4	Grid 9 0.098 M4

**Cursor:**  
 Total = 0.257 A/m  
 H Category: M4  
 Location: 25, -14.5, 369.4 mm



0 dB = 0.257A/m

Test Laboratory: HCT CO., LTD.

Ambient Temperature / Channel 21.4 °C /512

Test Date Mar.24,2009

**DUT: C790; Type: Slide up; Serial: #1**

Communication System: GSM 1900; Frequency: 1850.2 MHz;Duty Cycle: 1:8.3

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 - 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 - 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 = 0.131 A/m

Probe Modulation Factor = 2.24

Device Reference Point: 0.000, 0.000, 353.7 mm

Reference Value = 0.066 A/m; Power Drift = -0.119 dB

**Hearing Aid Near-Field Category: M4 (AWF -5 dB)**

Peak H-field in A/m

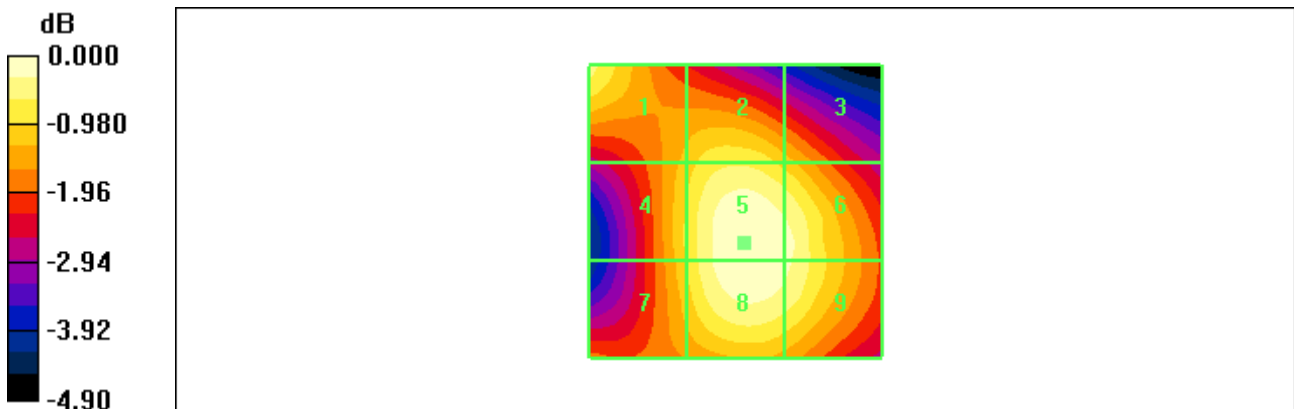
Grid 1	Grid 2	Grid 3
0.124 M4	0.121 M4	0.115 M4
Grid 4	Grid 5	Grid 6
0.118 M4	0.131 M4	0.128 M4
Grid 7	Grid 8	Grid 9
0.117 M4	0.131 M4	0.127 M4

**Cursor:**

Total = 0.131 A/m

H Category: M4

Location: -1.5, 5.5, 369.4 mm



0 dB = 0.131A/m

Test Laboratory: HCT CO., LTD.  
 Ambient Temperature / Channel 21.4 °C /661  
 Test Date Mar.24,2009

**DUT: C790; Type: Slide up; Serial: #1**

Communication System: GSM 1900; Frequency: 1880 MHz; Duty Cycle: 1:8.3  
 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

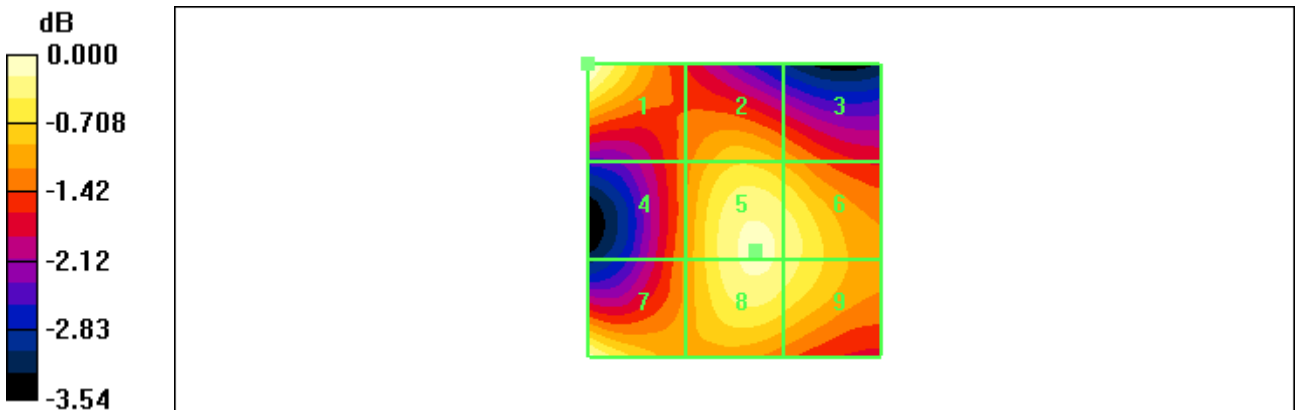
DASY4 Configuration:  
 - Probe: H3DV6 - SN6101; ; Calibrated: 2008-05-19  
 - Sensor-Surface: (Fix Surface)  
 - Electronics: DAE3 Sn466; Calibrated: 2008-07-17  
 - Phantom: HAC Test Arch; Type: SD HAC P01 BA

**H Scan - 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 = 0.117 A/m  
 Probe Modulation Factor = 2.24  
 Device Reference Point: 0.000, 0.000, 353.7 mm  
 Reference Value = 0.058 A/m; Power Drift = -0.044 dB  
**Hearing Aid Near-Field Category: M4 (AWF -5 dB)**

Peak H-field in A/m

Grid 1	Grid 2	Grid 3
0.117 M4	0.107 M4	0.104 M4
Grid 4	Grid 5	Grid 6
0.103 M4	0.115 M4	0.113 M4
Grid 7	Grid 8	Grid 9
0.116 M4	0.115 M4	0.113 M4

**Cursor:**  
 Total = 0.117 A/m  
 H Category: M4  
 Location: 25, -25, 369.4 mm



0 dB = 0.117A/m



Test Laboratory: HCT CO., LTD.  
 Ambient Temperature / Channel 21.4 °C /810  
 Test Date Mar.24,2009

**DUT: C790; Type: Slide up; Serial: #1**

Communication System: GSM 1900; Frequency: 1909.8 MHz; Duty Cycle: 1:8.3  
 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

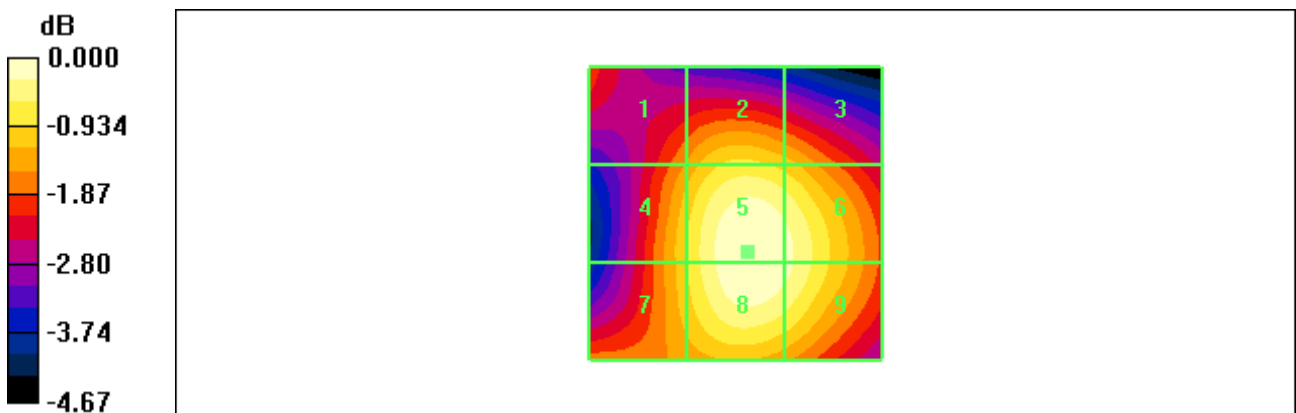
DASY4 Configuration:  
 - Probe: H3DV6 - SN6101; ; Calibrated: 2008-05-19  
 - Sensor-Surface: (Fix Surface)  
 - Electronics: DAE3 Sn466; Calibrated: 2008-07-17  
 - Phantom: HAC Test Arch; Type: SD HAC P01 BA

**H Scan - 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 = 0.148 A/m  
 Probe Modulation Factor = 2.24  
 Device Reference Point: 0.000, 0.000, 353.7 mm  
 Reference Value = 0.074 A/m; Power Drift = -0.039 dB  
**Hearing Aid Near-Field Category: M3 (AWF -5 dB)**

Peak H-field in A/m

Grid 1	Grid 2	Grid 3
0.124 M4	0.135 M4	0.130 M4
Grid 4	Grid 5	Grid 6
0.133 M4	0.148 M3	0.145 M3
Grid 7	Grid 8	Grid 9
0.132 M4	0.148 M3	0.144 M3

**Cursor:**  
 Total = 0.148 A/m  
 H Category: M3  
 Location: -2, 6.5, 369.4 mm



0 dB = 0.148A/m

Test Laboratory: HCT CO., LTD.  
 Ambient Temperature / Channel 21.4 °C /4132  
 Test Date Mar.24,2009

**DUT: C790; Type: Slide down; Serial: #1**

Communication System: WCDMA850; Frequency: 826.4 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 - 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 - ER3D - 2007: 15 mm from Probe Center to the Device/Hearing Aid Compatibility Test (101x101x1):**

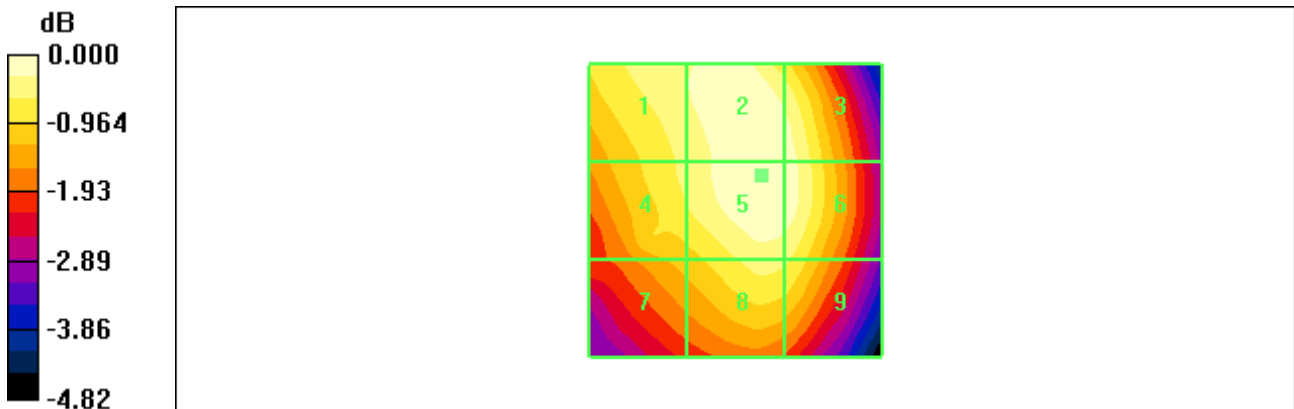
Measurement grid: dx=5mm, dy=5mm  
 Maximum value of peak Total field = 37.6 V/m  
 Probe Modulation Factor = 0.855  
 Device Reference Point: 0.000, 0.000, 353.7 mm  
 Reference Value = 57.9 V/m; Power Drift = 0.045 dB  
**Hearing Aid Near-Field Category: M4 (AWF 0 dB)**

Peak E-field in V/m

Grid 1	Grid 2	Grid 3
36.2 M4	37.6 M4	37.0 M4
Grid 4	Grid 5	Grid 6
35.3 M4	37.6 M4	37.2 M4
Grid 7	Grid 8	Grid 9
33.0 M4	35.5 M4	35.2 M4

**Cursor:**

Total = 37.6 V/m  
 E Category: M4  
 Location: -4.5, -6, 369.9 mm



0 dB = 37.6V/m

Test Laboratory: HCT CO., LTD.  
 Ambient Temperature / Channel 21.4 °C /4183  
 Test Date Mar.24,2009

**DUT: C790; Type: Slide down; Serial: #1**

Communication System: WCDMA850; Frequency: 836.6 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 - 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 - ER3D - 2007: 15 mm from Probe Center to the Device/Hearing Aid Compatibility Test (101x101x1):**

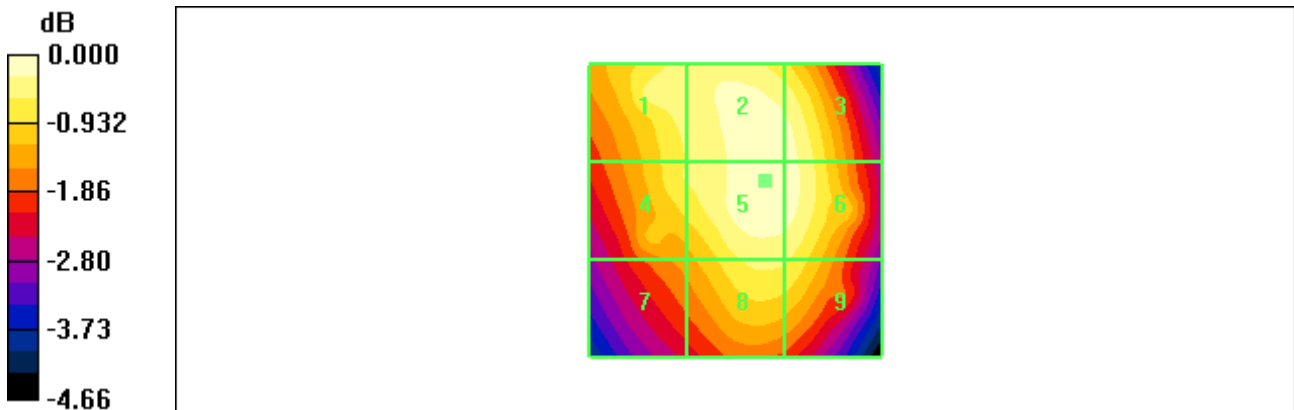
Measurement grid: dx=5mm, dy=5mm  
 Maximum value of peak Total field = 45.5 V/m  
 Probe Modulation Factor = 0.855  
 Device Reference Point: 0.000, 0.000, 353.7 mm  
 Reference Value = 69.1 V/m; Power Drift = 0.043 dB  
**Hearing Aid Near-Field Category: M4 (AWF 0 dB)**

Peak E-field in V/m

Grid 1	Grid 2	Grid 3
43.4 M4	45.3 M4	44.8 M4
Grid 4	Grid 5	Grid 6
42.5 M4	45.5 M4	45.0 M4
Grid 7	Grid 8	Grid 9
38.8 M4	42.9 M4	42.6 M4

**Cursor:**

Total = 45.5 V/m  
 E Category: M4  
 Location: -5, -5, 369.9 mm



0 dB = 45.5V/m

Test Laboratory: HCT CO., LTD.  
 Ambient Temperature / Channel 21.4 °C /4233  
 Test Date Mar.24,2009

**DUT: C790; Type: Slide down; Serial: #1**

Communication System: WCDMA850; Frequency: 846.6 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 - 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 - ER3D - 2007: 15 mm from Probe Center to the Device/Hearing Aid Compatibility Test (101x101x1):**

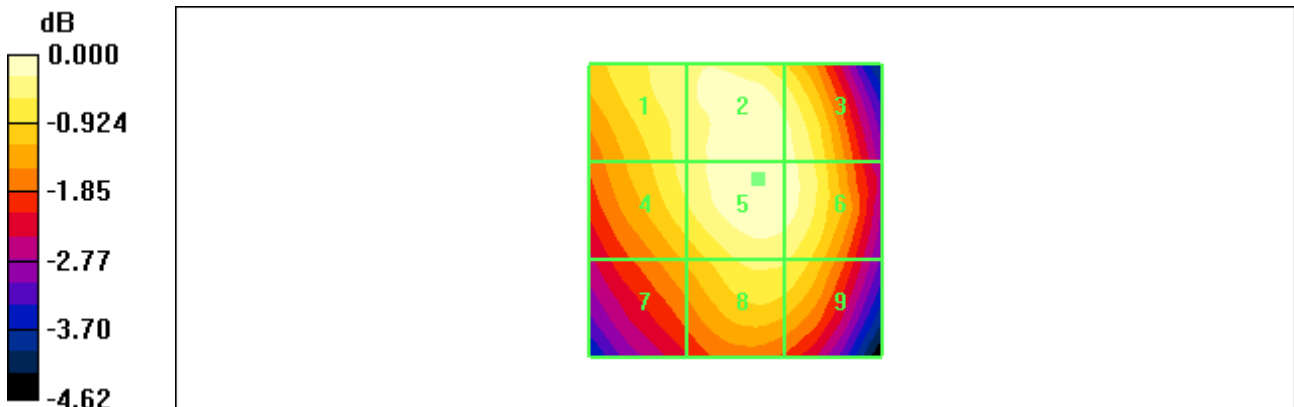
Measurement grid: dx=5mm, dy=5mm  
 Maximum value of peak Total field = 42.1 V/m  
 Probe Modulation Factor = 0.855  
 Device Reference Point: 0.000, 0.000, 353.7 mm  
 Reference Value = 64.7 V/m; Power Drift = 0.071 dB  
**Hearing Aid Near-Field Category: M4 (AWF 0 dB)**

Peak E-field in V/m

Grid 1	Grid 2	Grid 3
40.2 M4	42.0 M4	41.3 M4
Grid 4	Grid 5	Grid 6
39.8 M4	42.1 M4	41.5 M4
Grid 7	Grid 8	Grid 9
36.8 M4	39.7 M4	39.4 M4

**Cursor:**

Total = 42.1 V/m  
 E Category: M4  
 Location: -4, -5.5, 369.9 mm



0 dB = 42.1V/m

Test Laboratory: HCT CO., LTD.  
 Ambient Temperature / Channel 21.4 °C /9262  
 Test Date Mar.24,2009

**DUT: C790; Type: Slide down; Serial: #1**

Communication System: WCDMA1900; Frequency: 1852.4 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 - 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 - ER3D - 2007: 15 mm from Probe Center to the Device/Hearing Aid Compatibility Test (101x101x1):**

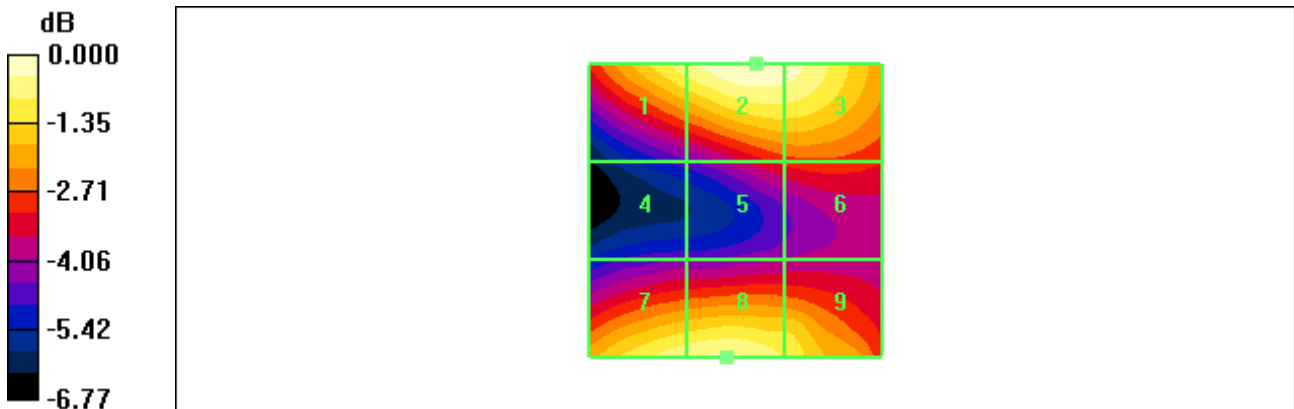
Measurement grid: dx=5mm, dy=5mm  
 Maximum value of peak Total field = 33.3 V/m  
 Probe Modulation Factor = 0.871  
 Device Reference Point: 0.000, 0.000, 353.7 mm  
 Reference Value = 18.3 V/m; Power Drift = 0.084 dB  
**Hearing Aid Near-Field Category: M4 (AWF 0 dB)**

Peak E-field in V/m

Grid 1	Grid 2	Grid 3
31.1 M4	33.3 M4	32.5 M4
Grid 4	Grid 5	Grid 6
20.0 M4	23.8 M4	24.2 M4
Grid 7	Grid 8	Grid 9
31.3 M4	32.0 M4	29.8 M4

**Cursor:**

Total = 33.3 V/m  
 E Category: M4  
 Location: -3.5, -25, 369.9 mm



0 dB = 33.3V/m

Test Laboratory: HCT CO., LTD.  
 Ambient Temperature / Channel 21.4 °C /9400  
 Test Date Mar.24,2009

**DUT: C790; Type: Slide down; Serial: #1**

Communication System: WCDMA1900; 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

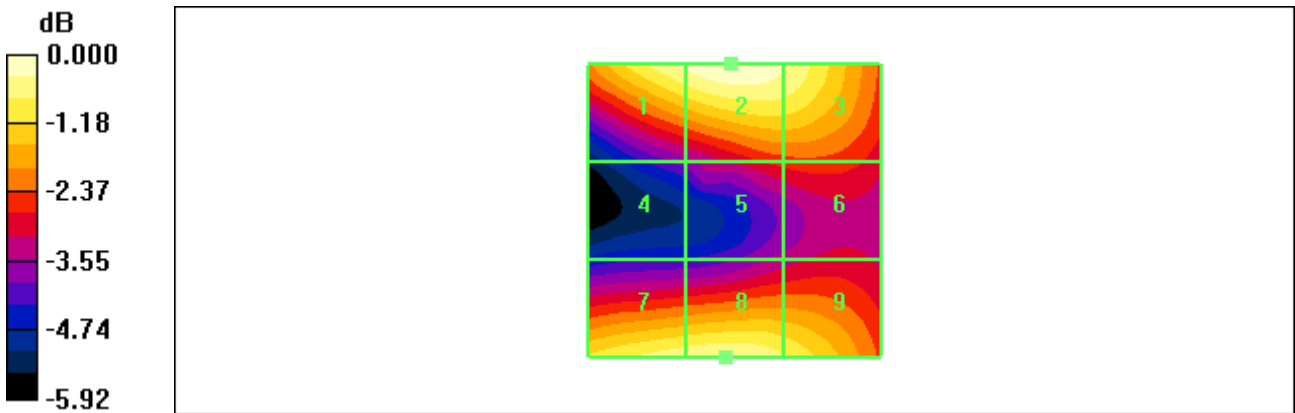
DASY4 Configuration:  
 - Probe: ER3DV6 - SN2343; ConvF(1, 1, 1); Calibrated: 2008-05-19  
 - Sensor-Surface: (Fix Surface)  
 - Electronics: DAE3 Sn466; Calibrated: 2008-07-17  
 - Phantom: HAC Test Arch; Type: SD HAC P01 BA

**E Scan - 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 = 29.4 V/m  
 Probe Modulation Factor = 0.871  
 Device Reference Point: 0.000, 0.000, 353.7 mm  
 Reference Value = 18.0 V/m; Power Drift = 0.093 dB  
**Hearing Aid Near-Field Category: M4 (AWF 0 dB)**

Peak E-field in V/m

Grid 1	Grid 2	Grid 3
28.5 M4	29.4 M4	28.3 M4
Grid 4	Grid 5	Grid 6
19.3 M4	22.0 M4	22.2 M4
Grid 7	Grid 8	Grid 9
27.8 M4	28.2 M4	26.9 M4

**Cursor:**  
 Total = 29.4 V/m  
 E Category: M4  
 Location: 0.5, -25, 369.9 mm



0 dB = 29.4V/m

Test Laboratory: HCT CO., LTD.

Ambient Temperature / Channel 21.4 °C /9538

Test Date Mar.24,2009

**DUT: C790; Type: Slide down; Serial: #1**

Communication System: WCDMA1900; Frequency: 1907.6 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

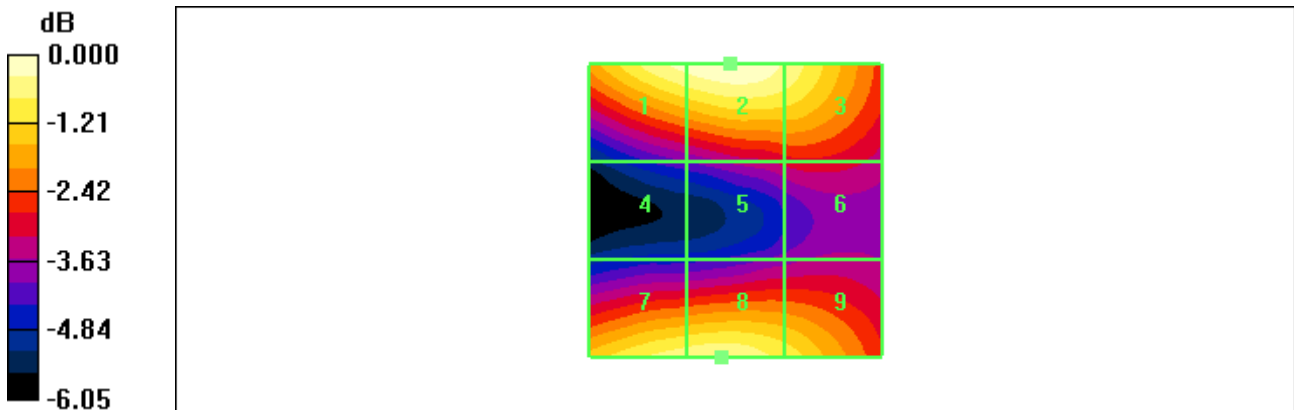
DASY4 Configuration:  
 - Probe: ER3DV6 - SN2343; ConvF(1, 1, 1); Calibrated: 2008-05-19  
 - Sensor-Surface: (Fix Surface)  
 - Electronics: DAE3 Sn466; Calibrated: 2008-07-17  
 - Phantom: HAC Test Arch; Type: SD HAC P01 BA

**E Scan - 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 = 32.1 V/m  
 Probe Modulation Factor = 0.871  
 Device Reference Point: 0.000, 0.000, 353.7 mm  
 Reference Value = 18.5 V/m; Power Drift = 0.043 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	32.1 M4	30.4 M4
Grid 4	Grid 5	Grid 6
20.3 M4	22.7 M4	23.0 M4
Grid 7	Grid 8	Grid 9
30.2 M4	30.6 M4	28.8 M4

**Cursor:**  
 Total = 32.1 V/m  
 E Category: M4  
 Location: 1, -25, 369.9 mm



0 dB = 32.1V/m

Test Laboratory: HCT CO., LTD.

Ambient Temperature / Channel 21.4 °C /4132

Test Date Mar.24,2009

**DUT: C790; Type: Slide down; Serial: #1**

Communication System: WCDMA850; Frequency: 826.4 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

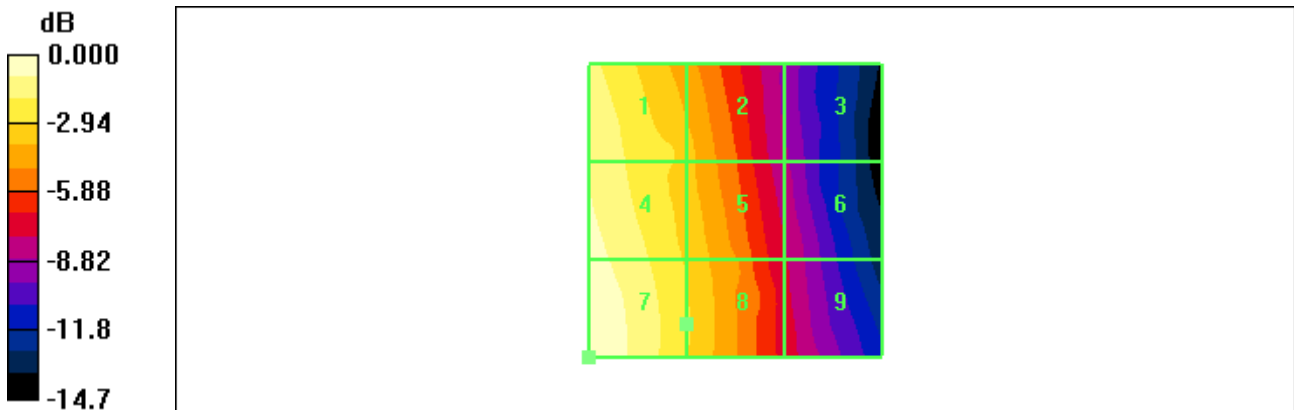
DASY4 Configuration:  
 - Probe: H3DV6 - SN6101; ; Calibrated: 2008-05-19  
 - Sensor-Surface: (Fix Surface)  
 - Electronics: DAE3 Sn466; Calibrated: 2008-07-17  
 - Phantom: HAC Test Arch; Type: SD HAC P01 BA

**H Scan - 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 = 0.842  
 Device Reference Point: 0.000, 0.000, 353.7 mm  
 Reference Value = 0.047 A/m; Power Drift = -0.308 dB  
**Hearing Aid Near-Field Category: M4 (AWF 0 dB)**

Peak H-field in A/m

Grid 1 0.060 M4	Grid 2 0.046 M4	Grid 3 0.025 M4
Grid 4 0.064 M4	Grid 5 0.048 M4	Grid 6 0.028 M4
Grid 7 0.068 M4	Grid 8 0.049 M4	Grid 9 0.030 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 21.4 °C /4183

Test Date Mar.24,2009

**DUT: C790; Type: Slide down; Serial: #1**

Communication System: WCDMA850; Frequency: 836.6 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

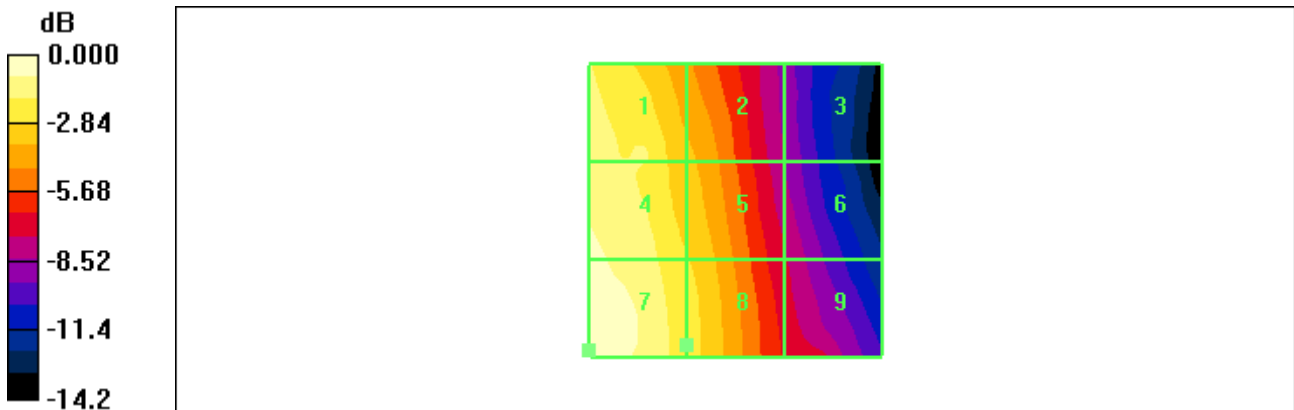
DASY4 Configuration:  
 - Probe: H3DV6 - SN6101; ; Calibrated: 2008-05-19  
 - Sensor-Surface: (Fix Surface)  
 - Electronics: DAE3 Sn466; Calibrated: 2008-07-17  
 - Phantom: HAC Test Arch; Type: SD HAC P01 BA

**H Scan - 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 = 0.075 A/m  
 Probe Modulation Factor = 0.842  
 Device Reference Point: 0.000, 0.000, 353.7 mm  
 Reference Value = 0.053 A/m; Power Drift = 0.171 dB  
**Hearing Aid Near-Field Category: M4 (AWF 0 dB)**

Peak H-field in A/m

Grid 1 0.065 M4	Grid 2 0.050 M4	Grid 3 0.028 M4
Grid 4 0.070 M4	Grid 5 0.055 M4	Grid 6 0.032 M4
Grid 7 0.075 M4	Grid 8 0.057 M4	Grid 9 0.035 M4

**Cursor:**  
 Total = 0.075 A/m  
 H Category: M4  
 Location: 25, 24, 369.4 mm



0 dB = 0.075A/m

Test Laboratory: HCT CO., LTD.  
 Ambient Temperature / Channel 21.4 °C /4233  
 Test Date Mar.24,2009

**DUT: C790; Type: Slide down; Serial: #1**

Communication System: WCDMA850; Frequency: 846.6 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

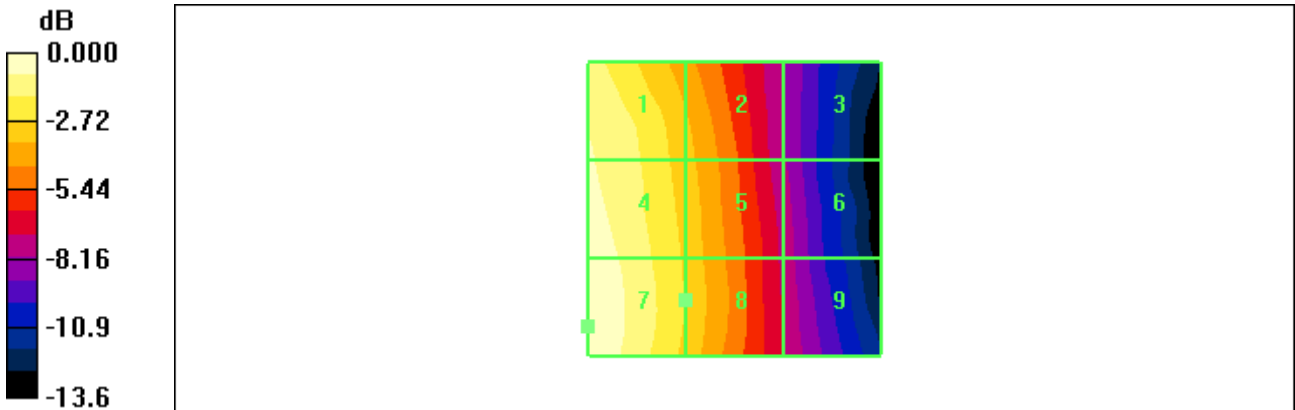
DASY4 Configuration:  
 - Probe: H3DV6 - SN6101; ; Calibrated: 2008-05-19  
 - Sensor-Surface: (Fix Surface)  
 - Electronics: DAE3 Sn466; Calibrated: 2008-07-17  
 - Phantom: HAC Test Arch; Type: SD HAC P01 BA

**H Scan - 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 = 0.842  
 Device Reference Point: 0.000, 0.000, 353.7 mm  
 Reference Value = 0.051 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
0.066 M4	0.050 M4	0.029 M4
Grid 4	Grid 5	Grid 6
0.069 M4	0.052 M4	0.030 M4
Grid 7	Grid 8	Grid 9
0.072 M4	0.052 M4	0.031 M4

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



0 dB = 0.072A/m

Test Laboratory: HCT CO., LTD.

Ambient Temperature / Channel 21.4 °C /9262

Test Date Mar.24,2009

**DUT: C790; Type: Slide down; Serial: #1**

Communication System: WCDMA1900; Frequency: 1852.4 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

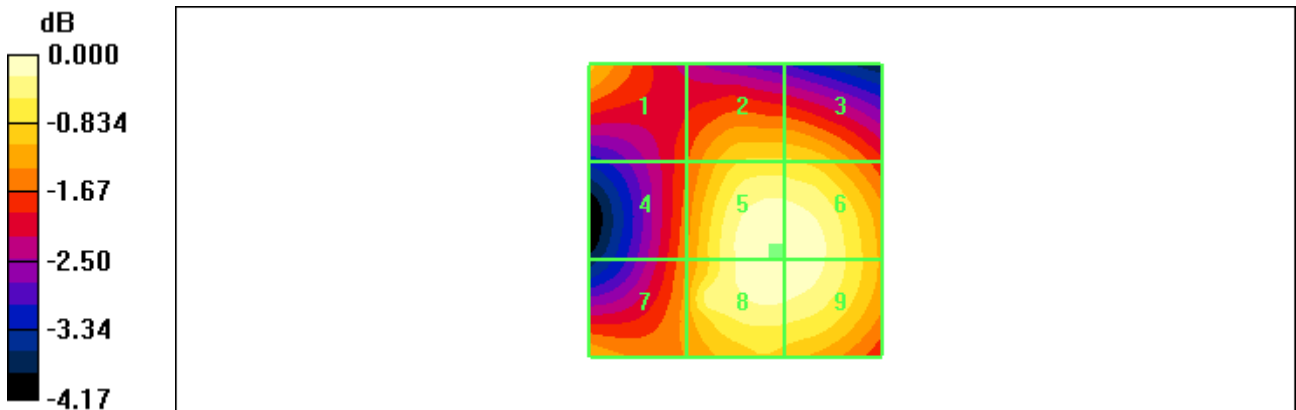
DASY4 Configuration:  
 - Probe: H3DV6 - SN6101; ; Calibrated: 2008-05-19  
 - Sensor-Surface: (Fix Surface)  
 - Electronics: DAE3 Sn466; Calibrated: 2008-07-17  
 - Phantom: HAC Test Arch; Type: SD HAC P01 BA

**H Scan - 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 = 0.091 A/m  
 Probe Modulation Factor = 0.827  
 Device Reference Point: 0.000, 0.000, 353.7 mm  
 Reference Value = 0.115 A/m; Power Drift = 0.060 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	0.083 M4	0.083 M4
Grid 4	Grid 5	Grid 6
0.077 M4	0.091 M4	0.091 M4
Grid 7	Grid 8	Grid 9
0.080 M4	0.091 M4	0.091 M4

**Cursor:**  
 Total = 0.091 A/m  
 H Category: M4  
 Location: -7, 7, 369.4 mm



0 dB = 0.091A/m

Test Laboratory: HCT CO., LTD.  
 Ambient Temperature / Channel 21.4 °C /9400  
 Test Date Mar.24,2009

**DUT: C790; Type: Slide down; Serial: #1**

Communication System: WCDMA1900; 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

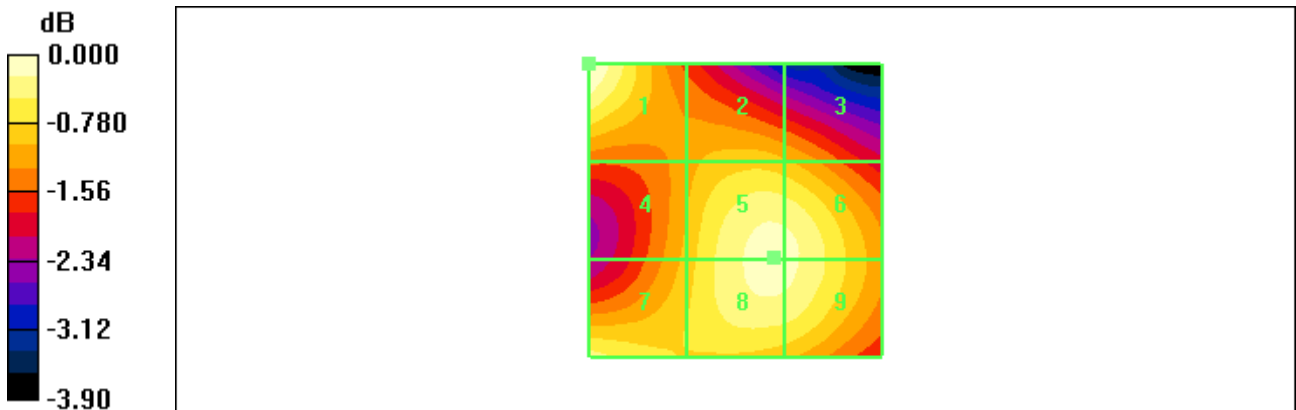
DASY4 Configuration:  
 - Probe: H3DV6 - SN6101; ; Calibrated: 2008-05-19  
 - Sensor-Surface: (Fix Surface)  
 - Electronics: DAE3 Sn466; Calibrated: 2008-07-17  
 - Phantom: HAC Test Arch; Type: SD HAC P01 BA

**H Scan - 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 = 0.078 A/m  
 Probe Modulation Factor = 0.827  
 Device Reference Point: 0.000, 0.000, 353.7 mm  
 Reference Value = 0.098 A/m; Power Drift = -0.040 dB  
**Hearing Aid Near-Field Category: M4 (AWF 0 dB)**

Peak H-field in A/m

Grid 1	Grid 2	Grid 3
0.078 M4	0.070 M4	0.070 M4
Grid 4	Grid 5	Grid 6
0.070 M4	0.077 M4	0.076 M4
Grid 7	Grid 8	Grid 9
0.075 M4	0.077 M4	0.076 M4

**Cursor:**  
 Total = 0.078 A/m  
 H Category: M4  
 Location: 25, -25, 369.4 mm



0 dB = 0.078A/m

Test Laboratory: HCT CO., LTD.  
 Ambient Temperature / Channel 21.4 °C /9538  
 Test Date Mar.24,2009

**DUT: C790; Type: Slide down; Serial: #1**

Communication System: WCDMA1900; Frequency: 1907.6 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

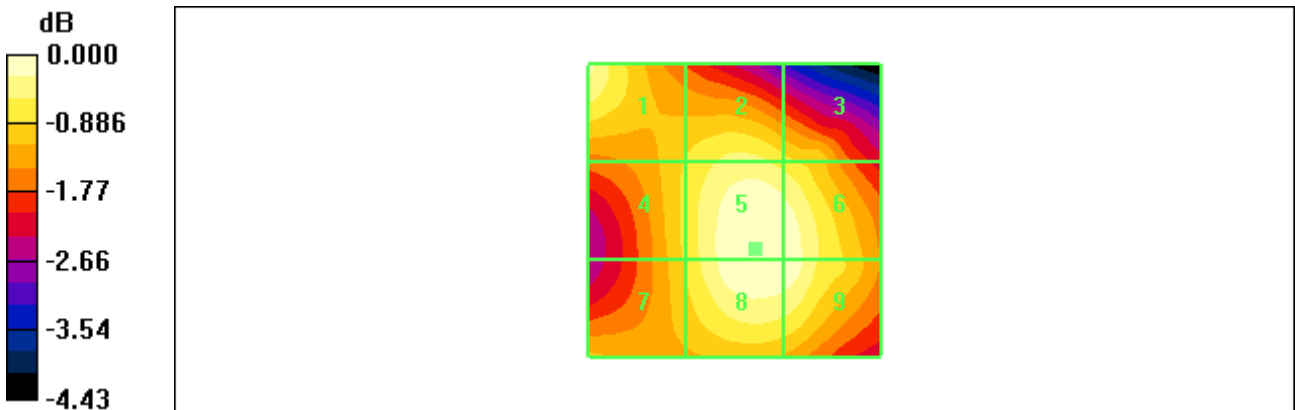
DASY4 Configuration:  
 - Probe: H3DV6 - SN6101; ; Calibrated: 2008-05-19  
 - Sensor-Surface: (Fix Surface)  
 - Electronics: DAE3 Sn466; Calibrated: 2008-07-17  
 - Phantom: HAC Test Arch; Type: SD HAC P01 BA

**H Scan - 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 = 0.084 A/m  
 Probe Modulation Factor = 0.827  
 Device Reference Point: 0.000, 0.000, 353.7 mm  
 Reference Value = 0.109 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
0.082 M4	0.079 M4	0.077 M4
Grid 4	Grid 5	Grid 6
0.077 M4	0.084 M4	0.083 M4
Grid 7	Grid 8	Grid 9
0.076 M4	0.084 M4	0.083 M4

**Cursor:**  
 Total = 0.084 A/m  
 H Category: M4  
 Location: -3.5, 6.5, 369.4 mm



0 dB = 0.084A/m

Test Laboratory: HCT CO., LTD.  
 Ambient Temperature / Channel: 21.4 °C /4132  
 Test Date: Mar.24,2009

**DUT: C790; Type: Slide up; Serial: #1**

Communication System: WCDMA850; Frequency: 826.4 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

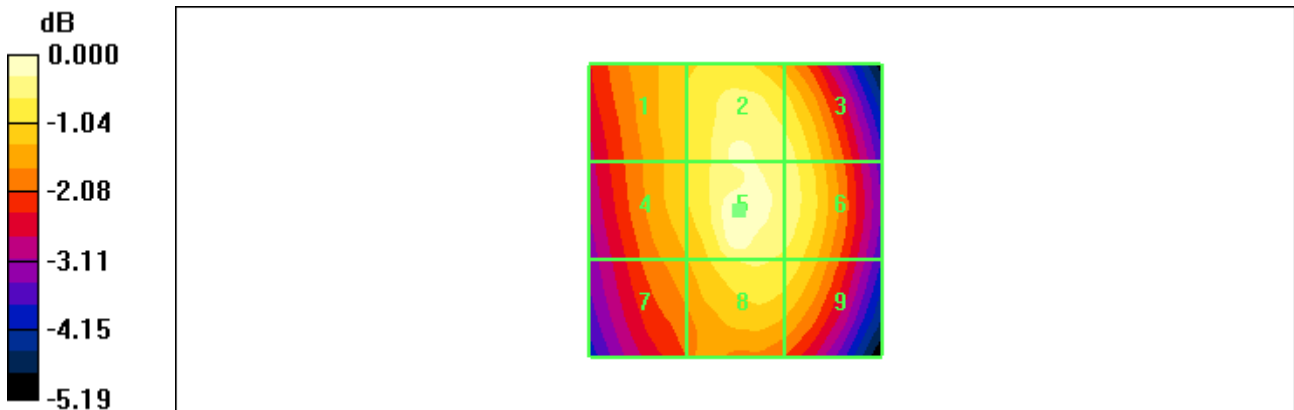
DASY4 Configuration:  
 - Probe: ER3DV6 - SN2343; ConvF(1, 1, 1); Calibrated: 2008-05-19  
 - Sensor-Surface: (Fix Surface)  
 - Electronics: DAE3 Sn466; Calibrated: 2008-07-17  
 - Phantom: HAC Test Arch; Type: SD HAC P01 BA

**E Scan - 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 = 48.4 V/m  
 Probe Modulation Factor = 0.855  
 Device Reference Point: 0.000, 0.000, 353.7 mm  
 Reference Value = 72.3 V/m; Power Drift = 0.054 dB  
**Hearing Aid Near-Field Category: M4 (AWF 0 dB)**

Peak E-field in V/m

Grid 1	Grid 2	Grid 3
43.1 M4	47.1 M4	45.6 M4
Grid 4	Grid 5	Grid 6
43.0 M4	48.4 M4	46.0 M4
Grid 7	Grid 8	Grid 9
41.1 M4	45.1 M4	44.3 M4

**Cursor:**  
 Total = 48.4 V/m  
 E Category: M4  
 Location: -0.5, 0, 369.9 mm



0 dB = 48.4V/m

Test Laboratory: HCT CO., LTD.  
 Ambient Temperature / Channel 21.4 °C /4183  
 Test Date Mar.24,2009

**DUT: C790; Type: Slide up; Serial: #1**

Communication System: WCDMA850; Frequency: 836.6 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

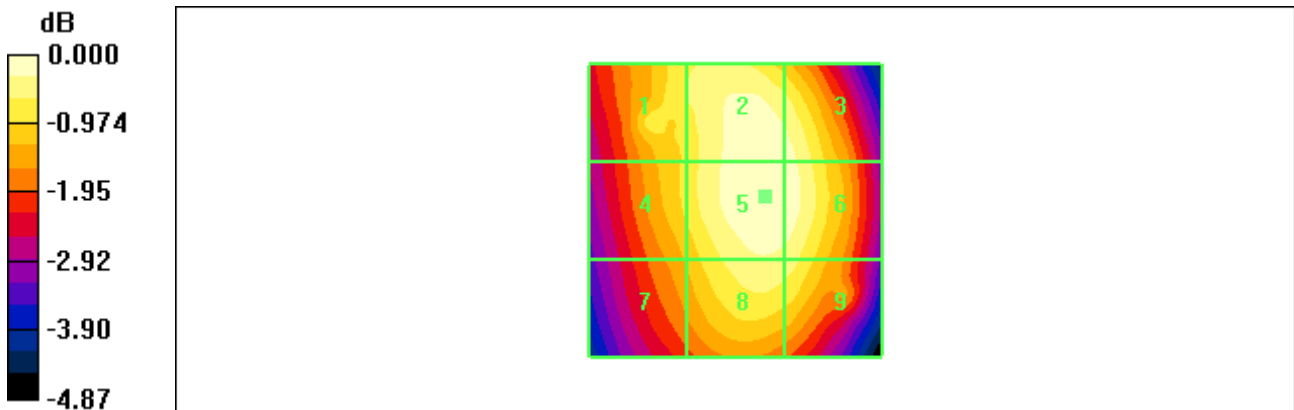
DASY4 Configuration:  
 - Probe: ER3DV6 - SN2343; ConvF(1, 1, 1); Calibrated: 2008-05-19  
 - Sensor-Surface: (Fix Surface)  
 - Electronics: DAE3 Sn466; Calibrated: 2008-07-17  
 - Phantom: HAC Test Arch; Type: SD HAC P01 BA

**E Scan - 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 = 56.2 V/m  
 Probe Modulation Factor = 0.855  
 Device Reference Point: 0.000, 0.000, 353.7 mm  
 Reference Value = 86.9 V/m; Power Drift = 0.102 dB  
**Hearing Aid Near-Field Category: M4 (AWF 0 dB)**

Peak E-field in V/m

Grid 1	Grid 2	Grid 3
52.2 M4	55.9 M4	55.2 M4
Grid 4	Grid 5	Grid 6
50.9 M4	56.2 M4	55.6 M4
Grid 7	Grid 8	Grid 9
48.6 M4	53.9 M4	53.3 M4

**Cursor:**  
 Total = 56.2 V/m  
 E Category: M4  
 Location: -5, -2.5, 369.9 mm



0 dB = 56.2V/m

Test Laboratory: HCT CO., LTD.

Ambient Temperature / Channel 21.4 °C /4233

Test Date Mar.24,2009

**DUT: C790; Type: Slide up; Serial: #1**

Communication System: WCDMA850; Frequency: 846.6 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 - 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 - ER3D - 2007: 15 mm from Probe Center to the Device/Hearing Aid Compatibility Test (101x101x1):**

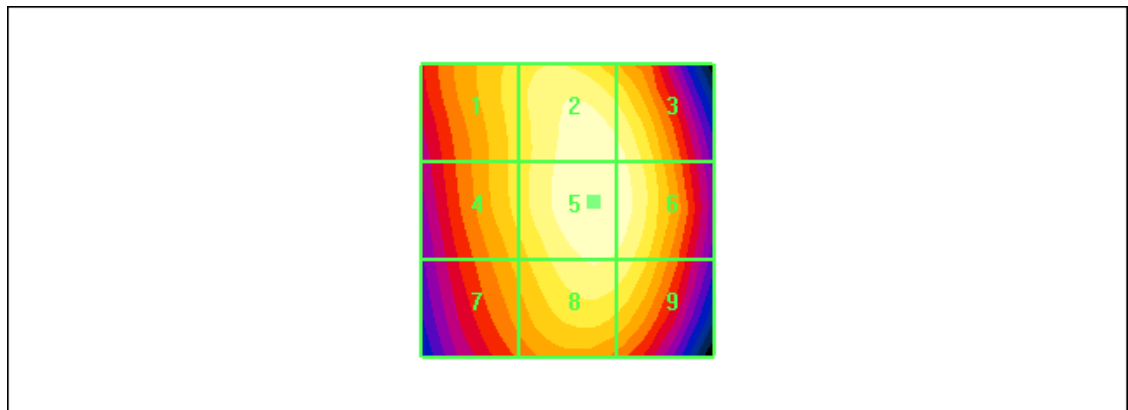
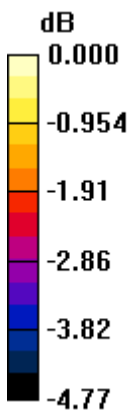
Measurement grid: dx=5mm, dy=5mm  
 Maximum value of peak Total field = 54.2 V/m  
 Probe Modulation Factor = 0.855  
 Device Reference Point: 0.000, 0.000, 353.7 mm  
 Reference Value = 83.7 V/m; Power Drift = 0.099 dB  
**Hearing Aid Near-Field Category: M4 (AWF 0 dB)**

Peak E-field in V/m

Grid 1	Grid 2	Grid 3
49.8 M4	53.8 M4	53.1 M4
Grid 4	Grid 5	Grid 6
49.5 M4	54.2 M4	53.6 M4
Grid 7	Grid 8	Grid 9
47.6 M4	52.4 M4	51.8 M4

**Cursor:**

Total = 54.2 V/m  
 E Category: M4  
 Location: -4.5, -1.5, 369.9 mm



0 dB = 54.2V/m



Test Laboratory: HCT CO., LTD.

Ambient Temperature / Channel 21.4 °C /9262

Test Date Mar.24,2009

**DUT: C790; Type: Slide up; Serial: #1**

Communication System: WCDMA1900; Frequency: 1852.4 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 - 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 - ER3D - 2007: 15 mm from Probe Center to the Device/Hearing Aid Compatibility Test (101x101x1):**

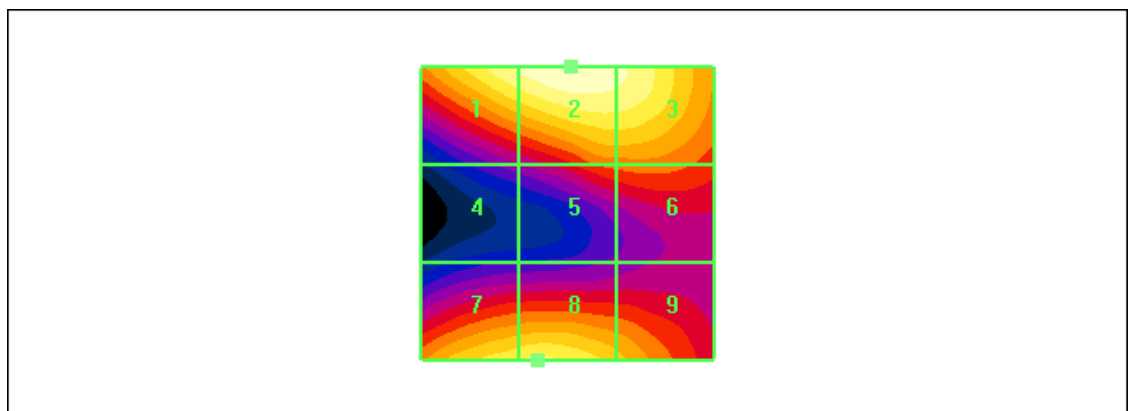
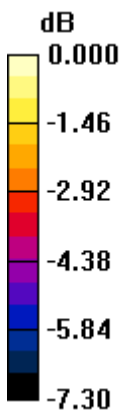
Measurement grid: dx=5mm, dy=5mm  
 Maximum value of peak Total field = 33.7 V/m  
 Probe Modulation Factor = 0.871  
 Device Reference Point: 0.000, 0.000, 353.7 mm  
 Reference Value = 17.9 V/m; Power Drift = 0.107 dB  
**Hearing Aid Near-Field Category: M4 (AWF 0 dB)**

Peak E-field in V/m

Grid 1	Grid 2	Grid 3
32.3 M4	33.7 M4	32.5 M4
Grid 4	Grid 5	Grid 6
20.3 M4	24.8 M4	25.0 M4
Grid 7	Grid 8	Grid 9
29.8 M4	30.7 M4	27.6 M4

**Cursor:**

Total = 33.7 V/m  
 E Category: M4  
 Location: -0.5, -25, 369.9 mm



0 dB = 33.7V/m

Test Laboratory: HCT CO., LTD.  
 Ambient Temperature / Channel 21.4 °C /9400  
 Test Date Mar.24,2009

**DUT: C790; Type: Slide up; Serial: #1**

Communication System: WCDMA1900; 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

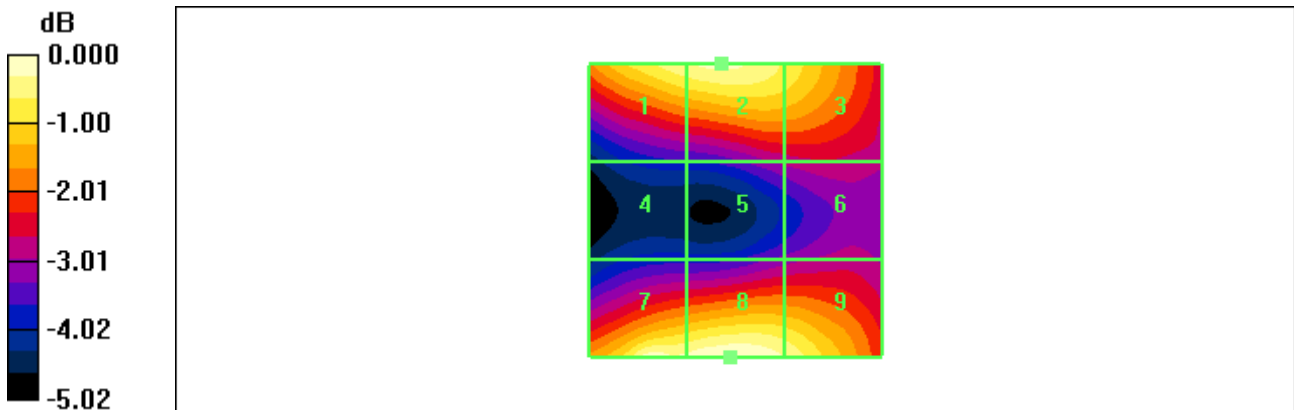
DASY4 Configuration:  
 - Probe: ER3DV6 - SN2343; ConvF(1, 1, 1); Calibrated: 2008-05-19  
 - Sensor-Surface: (Fix Surface)  
 - Electronics: DAE3 Sn466; Calibrated: 2008-07-17  
 - Phantom: HAC Test Arch; Type: SD HAC P01 BA

**E Scan - 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 = 24.6 V/m  
 Probe Modulation Factor = 0.871  
 Device Reference Point: 0.000, 0.000, 353.7 mm  
 Reference Value = 14.6 V/m; Power Drift = 0.050 dB  
**Hearing Aid Near-Field Category: M4 (AWF 0 dB)**

Peak E-field in V/m

Grid 1	Grid 2	Grid 3
23.6 M4	23.9 M4	22.6 M4
Grid 4	Grid 5	Grid 6
16.1 M4	17.7 M4	18.1 M4
Grid 7	Grid 8	Grid 9
24.4 M4	24.6 M4	23.6 M4

**Cursor:**  
 Total = 24.6 V/m  
 E Category: M4  
 Location: 1, 25, 369.9 mm



0 dB = 24.6V/m

Test Laboratory: HCT CO., LTD.  
 Ambient Temperature / Channel 21.4 °C /9538  
 Test Date Mar.24,2009

**DUT: C790; Type: Slide up; Serial: #1**

Communication System: WCDMA1900; Frequency: 1907.6 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

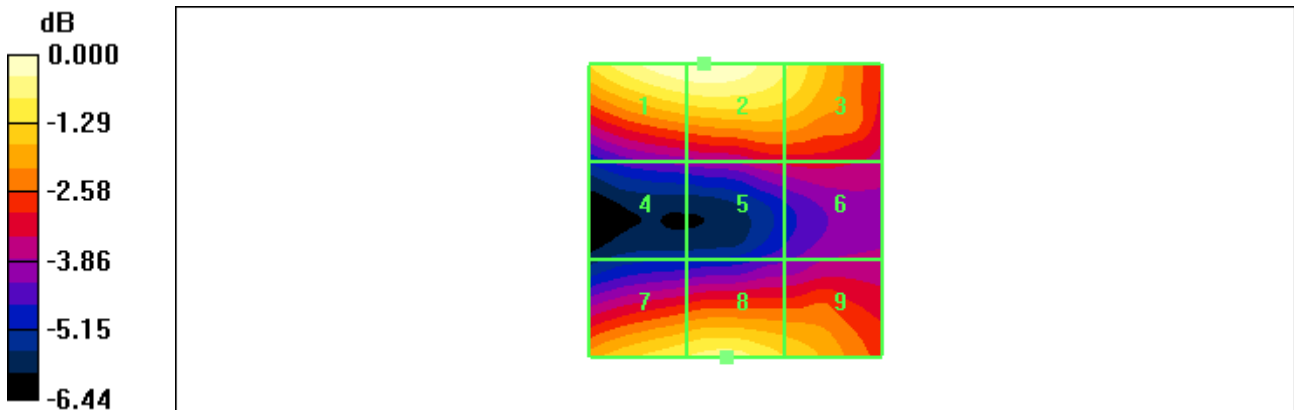
DASY4 Configuration:  
 - Probe: ER3DV6 - SN2343; ConvF(1, 1, 1); Calibrated: 2008-05-19  
 - Sensor-Surface: (Fix Surface)  
 - Electronics: DAE3 Sn466; Calibrated: 2008-07-17  
 - Phantom: HAC Test Arch; Type: SD HAC P01 BA

**E Scan - 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 = 29.9 V/m  
 Probe Modulation Factor = 0.871  
 Device Reference Point: 0.000, 0.000, 353.7 mm  
 Reference Value = 16.8 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
29.7 M4	29.9 M4	27.3 M4
Grid 4	Grid 5	Grid 6
18.8 M4	20.6 M4	20.7 M4
Grid 7	Grid 8	Grid 9
27.1 M4	27.9 M4	25.8 M4

**Cursor:**  
 Total = 29.9 V/m  
 E Category: M4  
 Location: 5.5, -25, 369.9 mm



0 dB = 29.9V/m

Test Laboratory: HCT CO., LTD.  
 Ambient Temperature / Channel 21.4 °C /4132  
 Test Date Mar.24,2009

**DUT: C790; Type: Slide up; Serial: #1**

Communication System: WCDMA850; Frequency: 826.4 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

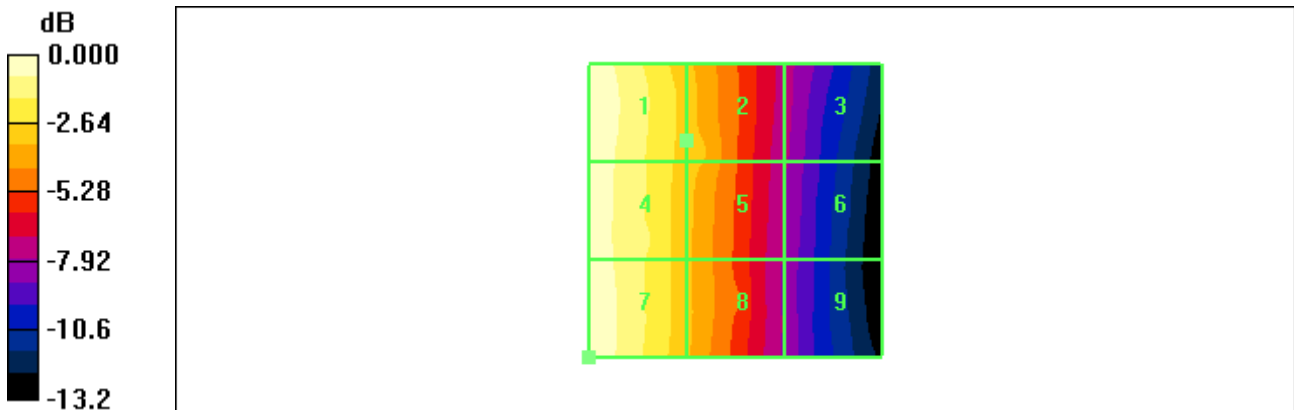
DASY4 Configuration:  
 - Probe: H3DV6 - SN6101; ; Calibrated: 2008-05-19  
 - Sensor-Surface: (Fix Surface)  
 - Electronics: DAE3 Sn466; Calibrated: 2008-07-17  
 - Phantom: HAC Test Arch; Type: SD HAC P01 BA

**H Scan - 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 = 0.082 A/m  
 Probe Modulation Factor = 0.842  
 Device Reference Point: 0.000, 0.000, 353.7 mm  
 Reference Value = 0.055 A/m; Power Drift = -0.065 dB  
**Hearing Aid Near-Field Category: M4 (AWF 0 dB)**

Peak H-field in A/m

Grid 1 0.081 M4	Grid 2 0.058 M4	Grid 3 0.035 M4
Grid 4 0.080 M4	Grid 5 0.058 M4	Grid 6 0.034 M4
Grid 7 0.082 M4	Grid 8 0.057 M4	Grid 9 0.032 M4

**Cursor:**  
 Total = 0.082 A/m  
 H Category: M4  
 Location: 25, 25, 369.4 mm



0 dB = 0.082A/m

Test Laboratory: HCT CO., LTD.

Ambient Temperature / Channel 21.4 °C /4183

Test Date Mar.24,2009

**DUT: C790; Type: Slide up; Serial: #1**

Communication System: WCDMA850; Frequency: 836.6 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

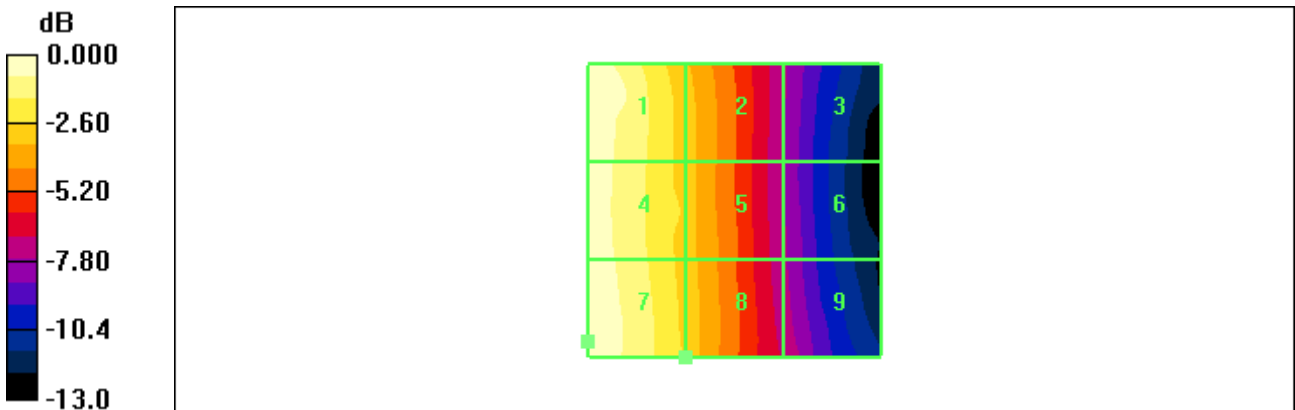
DASY4 Configuration:  
 - Probe: H3DV6 - SN6101; ; Calibrated: 2008-05-19  
 - Sensor-Surface: (Fix Surface)  
 - Electronics: DAE3 Sn466; Calibrated: 2008-07-17  
 - Phantom: HAC Test Arch; Type: SD HAC P01 BA

**H Scan - 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 = 0.096 A/m  
 Probe Modulation Factor = 0.842  
 Device Reference Point: 0.000, 0.000, 353.7 mm  
 Reference Value = 0.065 A/m; Power Drift = 0.043 dB  
**Hearing Aid Near-Field Category: M4 (AWF 0 dB)**

Peak H-field in A/m

Grid 1 0.095 M4	Grid 2 0.068 M4	Grid 3 0.040 M4
Grid 4 0.094 M4	Grid 5 0.069 M4	Grid 6 0.040 M4
Grid 7 0.096 M4	Grid 8 0.070 M4	Grid 9 0.043 M4

**Cursor:**  
 Total = 0.096 A/m  
 H Category: M4  
 Location: 25, 22.5, 369.4 mm



0 dB = 0.096A/m

Test Laboratory: HCT CO., LTD.

Ambient Temperature / Channel 21.4 °C /4233

Test Date Mar.24,2009

**DUT: C790; Type: Slide up; Serial: #1**

Communication System: WCDMA850; Frequency: 846.6 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

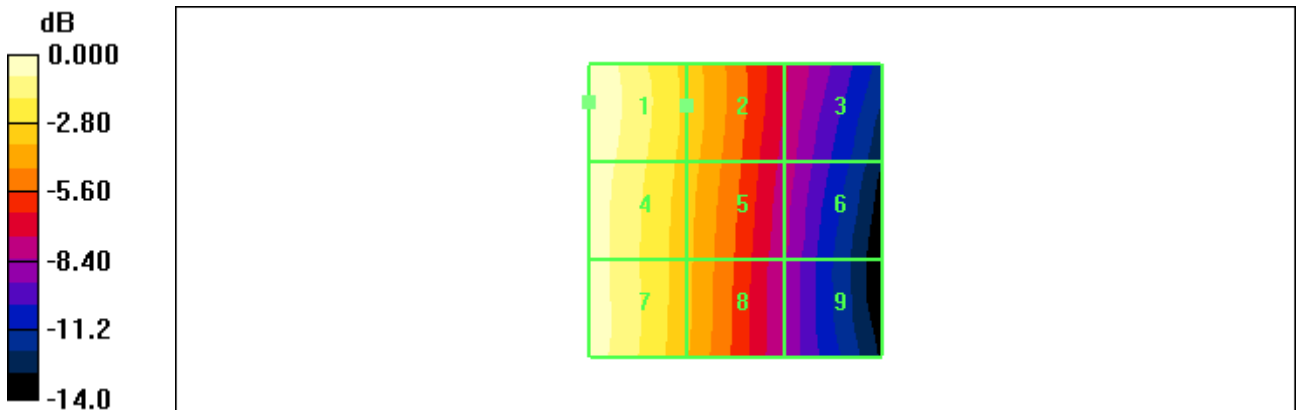
DASY4 Configuration:  
 - Probe: H3DV6 - SN6101; ; Calibrated: 2008-05-19  
 - Sensor-Surface: (Fix Surface)  
 - Electronics: DAE3 Sn466; Calibrated: 2008-07-17  
 - Phantom: HAC Test Arch; Type: SD HAC P01 BA

**H Scan - 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 = 0.842  
 Device Reference Point: 0.000, 0.000, 353.7 mm  
 Reference Value = 0.061 A/m; Power Drift = -0.091 dB  
**Hearing Aid Near-Field Category: M4 (AWF 0 dB)**

Peak H-field in A/m

Grid 1 0.093 M4	Grid 2 0.066 M4	Grid 3 0.040 M4
Grid 4 0.090 M4	Grid 5 0.065 M4	Grid 6 0.038 M4
Grid 7 0.090 M4	Grid 8 0.063 M4	Grid 9 0.036 M4

**Cursor:**  
 Total = 0.093 A/m  
 H Category: M4  
 Location: 25, -18.5, 369.4 mm



0 dB = 0.093A/m

Test Laboratory: HCT CO., LTD.  
 Ambient Temperature / Channel 21.4 °C /9262  
 Test Date Mar.24,2009

**DUT: C790; Type: Slide up; Serial: #1**

Communication System: WCDMA1900; Frequency: 1852.4 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

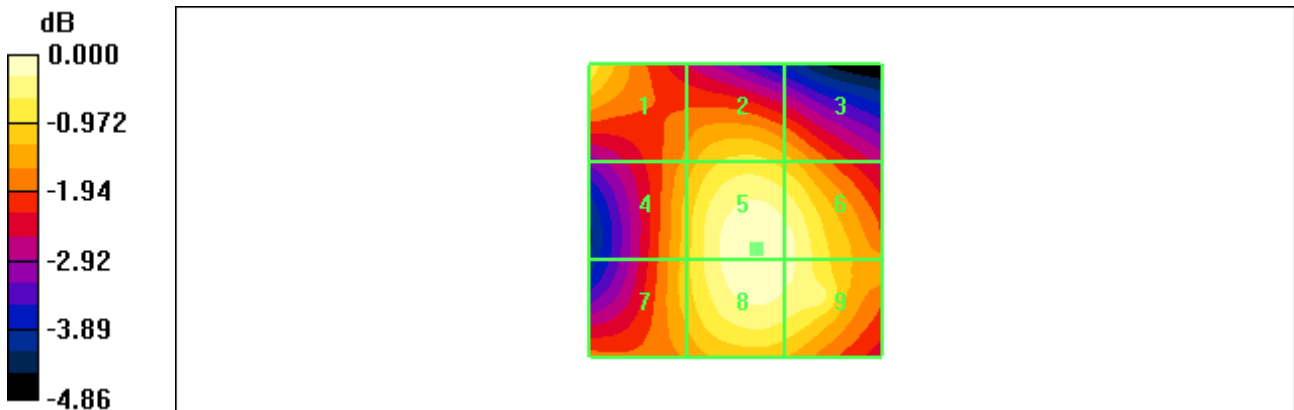
DASY4 Configuration:  
 - Probe: H3DV6 - SN6101; ; Calibrated: 2008-05-19  
 - Sensor-Surface: (Fix Surface)  
 - Electronics: DAE3 Sn466; Calibrated: 2008-07-17  
 - Phantom: HAC Test Arch; Type: SD HAC P01 BA

**H Scan - 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 = 0.085 A/m  
 Probe Modulation Factor = 0.827  
 Device Reference Point: 0.000, 0.000, 353.7 mm  
 Reference Value = 0.113 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
0.078 M4	0.077 M4	0.074 M4
Grid 4	Grid 5	Grid 6
0.075 M4	0.085 M4	0.083 M4
Grid 7	Grid 8	Grid 9
0.075 M4	0.085 M4	0.083 M4

**Cursor:**  
 Total = 0.085 A/m  
 H Category: M4  
 Location: -3.5, 6.5, 369.4 mm



0 dB = 0.085A/m

Test Laboratory: HCT CO., LTD.

Ambient Temperature / Channel 21.4 °C /9400

Test Date Mar.24,2009

**DUT: C790; Type: Slide up; Serial: #1**

Communication System: WCDMA1900; 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

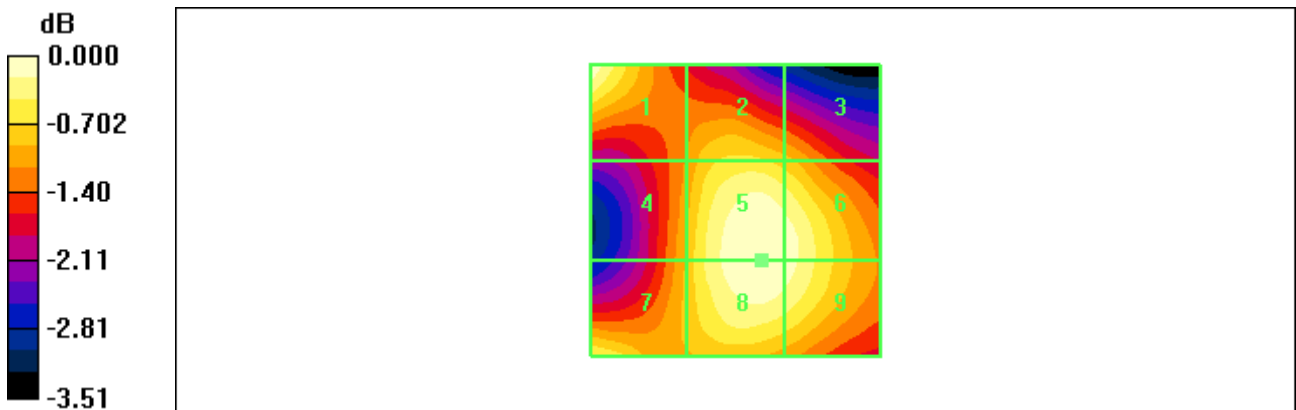
DASY4 Configuration:  
 - Probe: H3DV6 - SN6101; ; Calibrated: 2008-05-19  
 - Sensor-Surface: (Fix Surface)  
 - Electronics: DAE3 Sn466; Calibrated: 2008-07-17  
 - Phantom: HAC Test Arch; Type: SD HAC P01 BA

**H Scan - 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 = 0.827  
 Device Reference Point: 0.000, 0.000, 353.7 mm  
 Reference Value = 0.087 A/m; Power Drift = 0.010 dB  
**Hearing Aid Near-Field Category: M4 (AWF 0 dB)**

Peak H-field in A/m

Grid 1	Grid 2	Grid 3
0.064 M4	0.060 M4	0.058 M4
Grid 4	Grid 5	Grid 6
0.058 M4	0.064 M4	0.063 M4
Grid 7	Grid 8	Grid 9
0.061 M4	0.064 M4	0.063 M4

**Cursor:**  
 Total = 0.064 A/m  
 H Category: M4  
 Location: -4.5, 8.5, 369.4 mm



0 dB = 0.064A/m



Test Laboratory: HCT CO., LTD.  
 Ambient Temperature / Channel 21.4 °C /9538  
 Test Date Mar.24,2009

**DUT: C790; Type: Slide up; Serial: #1**

Communication System: WCDMA1900; Frequency: 1907.6 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

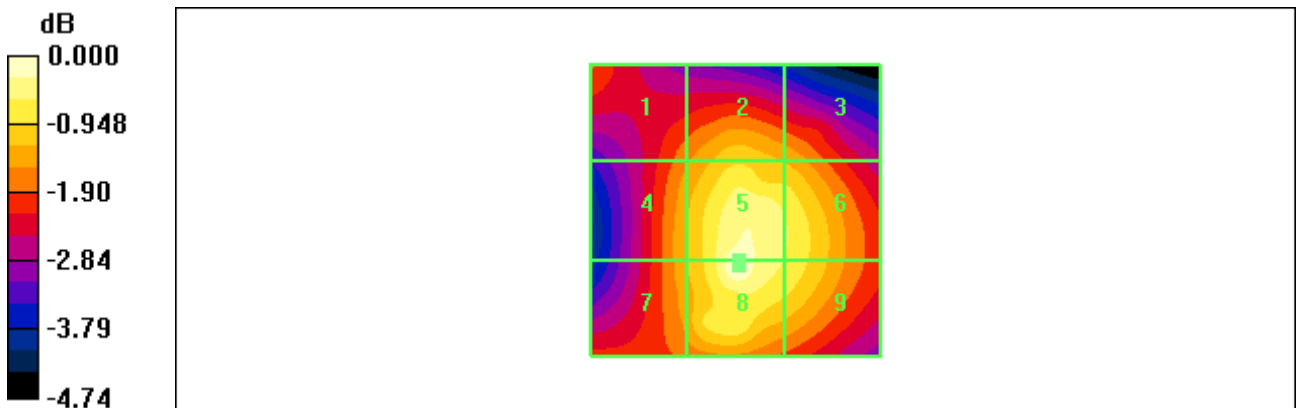
DASY4 Configuration:  
 - Probe: H3DV6 - SN6101; ; Calibrated: 2008-05-19  
 - Sensor-Surface: (Fix Surface)  
 - Electronics: DAE3 Sn466; Calibrated: 2008-07-17  
 - Phantom: HAC Test Arch; Type: SD HAC P01 BA

**H Scan - 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 = 0.084 A/m  
 Probe Modulation Factor = 0.827  
 Device Reference Point: 0.000, 0.000, 353.7 mm  
 Reference Value = 0.109 A/m; Power Drift = 0.055 dB  
**Hearing Aid Near-Field Category: M4 (AWF 0 dB)**

Peak H-field in A/m

Grid 1	Grid 2	Grid 3
<b>0.070 M4</b>	<b>0.075 M4</b>	<b>0.073 M4</b>
Grid 4	Grid 5	Grid 6
<b>0.073 M4</b>	<b>0.083 M4</b>	<b>0.078 M4</b>
Grid 7	Grid 8	Grid 9
<b>0.073 M4</b>	<b>0.084 M4</b>	<b>0.078 M4</b>

**Cursor:**  
 Total = 0.084 A/m  
 H Category: M4  
 Location: -0.5, 9.5, 369.4 mm



0 dB = 0.084A/m