

Date/Time: 7/27/2006 10:30:16 AM

Test Laboratory: Kyocera Wireless Corp.

**Validation\_E\_Dipole\_Probe SN2282, Dipole SN1015, set to probe sensor center for 1880Mhz, 07-27-06**

Communication System: CW, Frequency: 1880 MHz, Duty Cycle: 1:1

Medium: Air\_1, Medium parameters used:  $s = 0$  mho/m,  $\epsilon = 1$ ;  $\rho = 0$  kg/m<sup>3</sup>

Phantom: HAC Test Arch, Phantom section: E Dipole Section

**DASY4 Configuration:**

Probe: ER3DV6 - SN2282, ConvF(1, 1, 1), Calibrated: 10/21/2005

Sensor-Surface: (Fix Surface),

Electronics: DAE4 Sn530, Calibrated: 1/16/2006

Measurement SW: DASY4, V4.7 Build 44

Postprocessing SW: SEMCAD, V1.8 Build 160

**E Scan 10mm above CD1880MHz/Hearing Aid Compatibility Test (41x181x1):** Measurement grid: dx=5mm, dy=5mm

Maximum value of peak Total field = 143.1 V/m

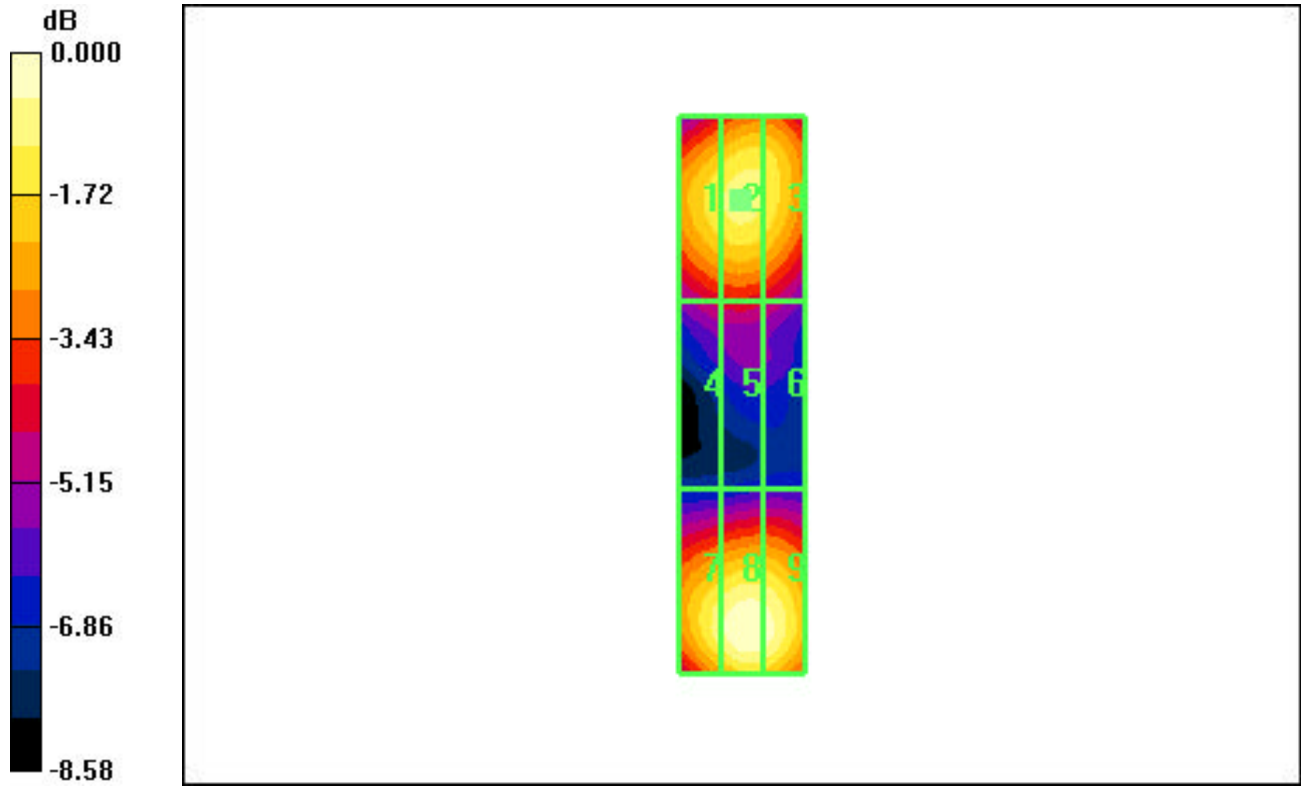
Probe Modulation Factor = 1.00

Reference Value = 67.1 V/m; Power Drift = 0.085 dB

**Hearing Aid Near-Field Category: M2 (AWF 0 dB)**

Peak E-field in V/m

Grid 1	Grid 2	Grid 3
124.4	129.5	126.1
Grid 4	Grid 5	Grid 6
87.2	88.8	85.7
Grid 7	Grid 8	Grid 9
131.8	143.1	139.8



0 dB = 143.1V/m

Test Laboratory: Kyocera Wireless Corp.

**Validation\_E\_Dipole\_Probe SN2282, Dipole SN1020, set to probe sensor center for 835Mhz 07-27-06**

Communication System: CW, Frequency: 835 MHz, Duty Cycle: 1:1

Medium: Air\_1, Medium parameters used:  $s = 0 \text{ mho/m}$ ,  $\epsilon = 1$ ;  $\rho = 0 \text{ kg/m}^3$

Phantom: HAC Test Arch, Phantom section: E Dipole Section

**DASY4 Configuration:**

Probe: ER3DV6 - SN2282, ConvF(1, 1, 1), Calibrated: 10/21/2005

Sensor-Surface: (Fix Surface),

Electronics: DAE4 Sn530, Calibrated: 1/16/2006

Measurement SW: DASY4, V4.7 Build 44

Postprocessing SW: SEMCAD, V1.8 Build 160

**E Scan 10mm above CD835MHz/Hearing Aid Compatibility Test (41x361x1):** Measurement grid: dx=5mm, dy=5mm

Maximum value of peak Total field = 170.9 V/m

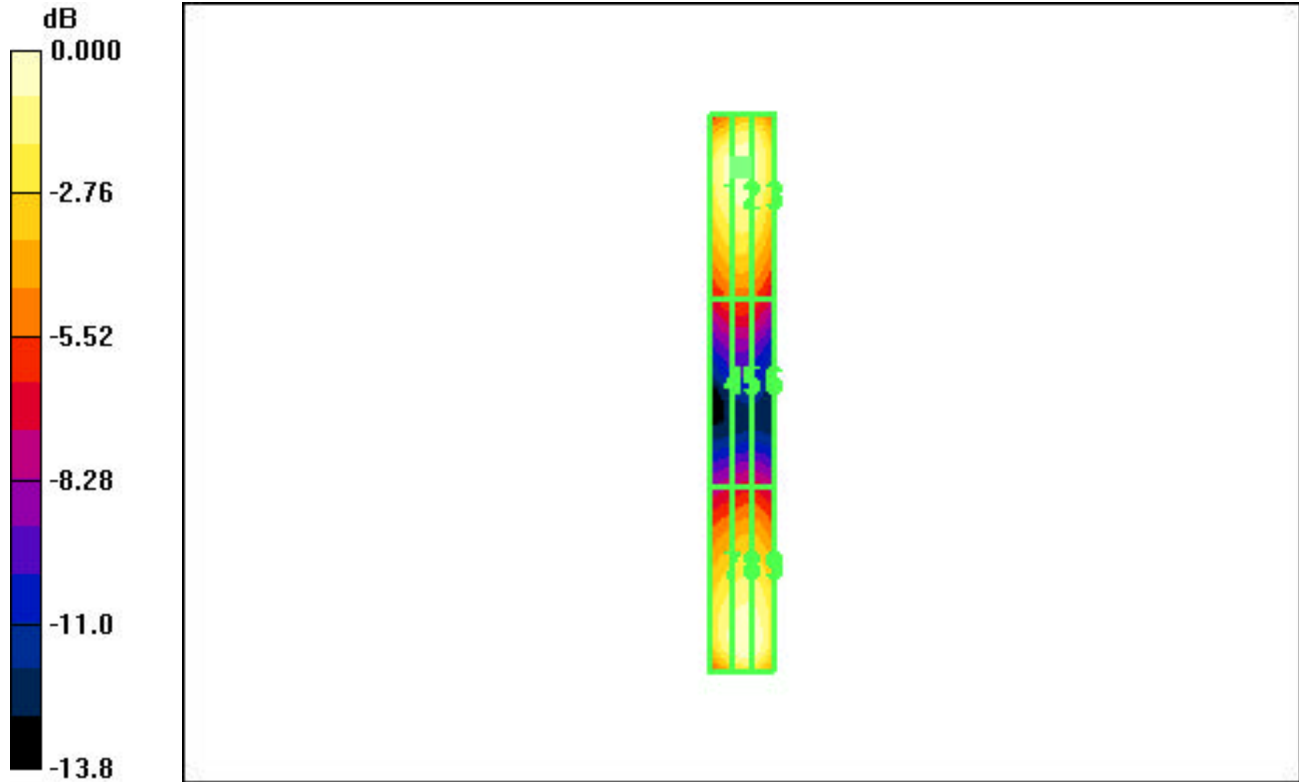
Probe Modulation Factor = 1.00

Reference Value = 46.5 V/m; Power Drift = -0.096 dB

**Hearing Aid Near-Field Category: M2 (AWF 0 dB)**

Peak E-field in V/m

Grid 1 <b>163.6</b>	Grid 2 <b>168.4</b>	Grid 3 <b>162.4</b>
Grid 4 <b>90.9</b>	Grid 5 <b>92.8</b>	Grid 6 <b>89.5</b>
Grid 7 <b>159.7</b>	Grid 8 <b>170.9</b>	Grid 9 <b>168.7</b>



0 dB = 170.9V/m

Date/Time: 7/27/2006 9:05:54 AM

Test Laboratory: Kyocera Wireless Corp.

**Validation\_H\_Dipole\_Probe SN6123, Dipole SN1015, set to probe sensor center for 1880Mhz, 07-27-06**

Communication System: CW, Frequency: 1880 MHz, Duty Cycle: 1:1

Medium: Air\_1, Medium parameters used:  $s = 0 \text{ mho/m}$ ,  $\epsilon = 1$ ;  $\rho = 1 \text{ kg/m}^3$ 

Phantom: HAC Test Arch, Phantom section: H Dipole Section

**DASY4 Configuration:**

Probe: H3DV6 - SN6123, , Calibrated: 9/2/2004

Sensor-Surface: (Fix Surface),

Electronics: DAE4 Sn530, Calibrated: 1/16/2006

Measurement SW: DASY4, V4.7 Build 44

Postprocessing SW: SEMCAD, V1.8 Build 160

**H Scan 10mm above CD1880MHz/Hearing Aid Compatibility Test (41x181x1):** Measurement grid: dx=5mm, dy=5mm

Maximum value of peak Total field = 0.484 A/m

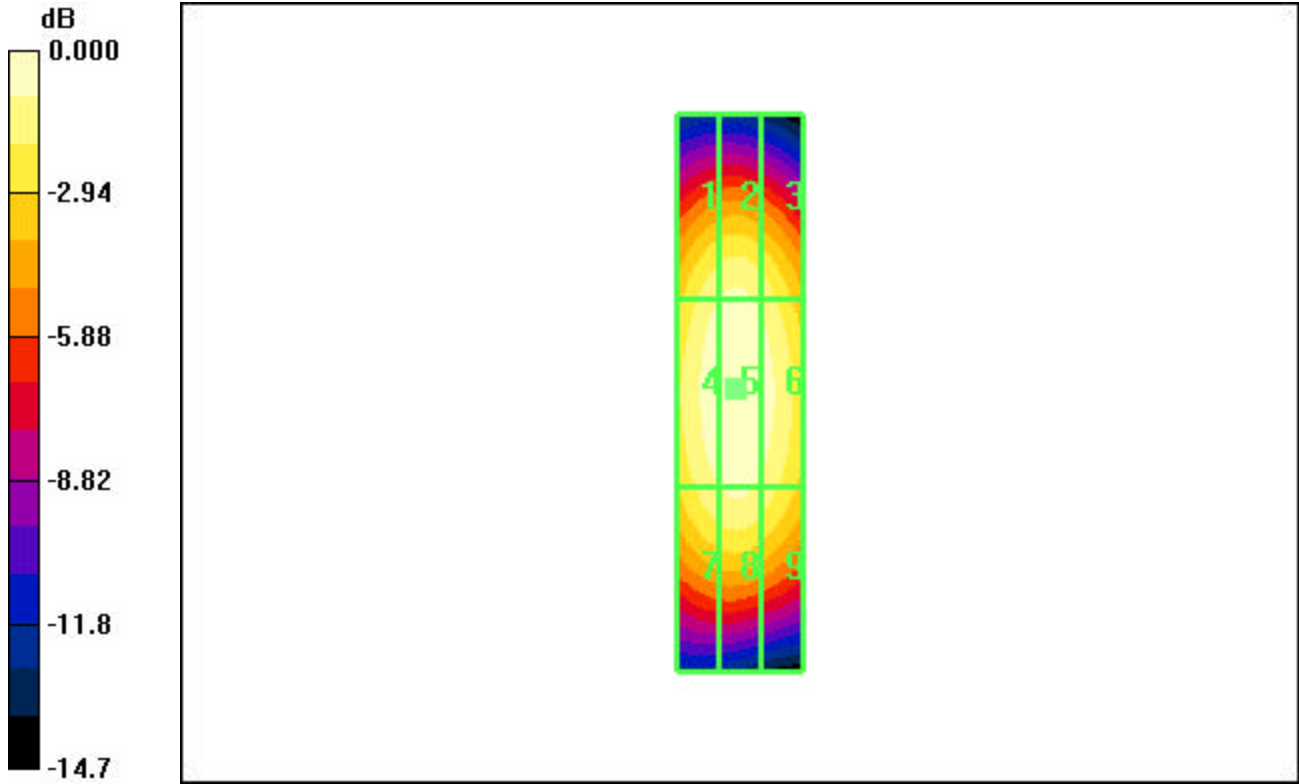
Probe Modulation Factor = 1.00

Reference Value = 0.480 A/m; Power Drift = 0.083 dB

**Hearing Aid Near-Field Category: M2 (AWF 0 dB)**

Peak H-field in A/m

Grid 1 <b>0.431</b>	Grid 2 <b>0.448</b>	Grid 3 <b>0.418</b>
Grid 4 <b>0.466</b>	Grid 5 <b>0.484</b>	Grid 6 <b>0.459</b>
Grid 7 <b>0.430</b>	Grid 8 <b>0.447</b>	Grid 9 <b>0.420</b>



0 dB = 0.484A/m

Test Laboratory: Kyocera Wireless Corp.

**Validation\_H\_Dipole\_Probe SN6123, Dipole SN1020, set to probe sensor center for 835Mhz, 07-27-06**

Communication System: CW, Frequency: 835 MHz, Duty Cycle: 1:1

Medium: Air\_1, Medium parameters used:  $s = 0 \text{ mho/m}$ ,  $\epsilon = 1$ ;  $\rho = 0 \text{ kg/m}^3$

Phantom: HAC Test Arch, Phantom section: H Dipole Section

**DASY4 Configuration:**

Probe: H3DV6 - SN6123, , Calibrated: 9/2/2004

Sensor-Surface: (Fix Surface),

Electronics: DAE4 Sn530, Calibrated: 1/16/2006

Measurement SW: DASY4, V4.7 Build 44

Postprocessing SW: SEMCAD, V1.8 Build 160

**H Scan 10mm above CD835MHz/Hearing Aid Compatibility Test (41x361x1):** Measurement grid: dx=5mm, dy=5mm

Maximum value of peak Total field = 0.491 A/m

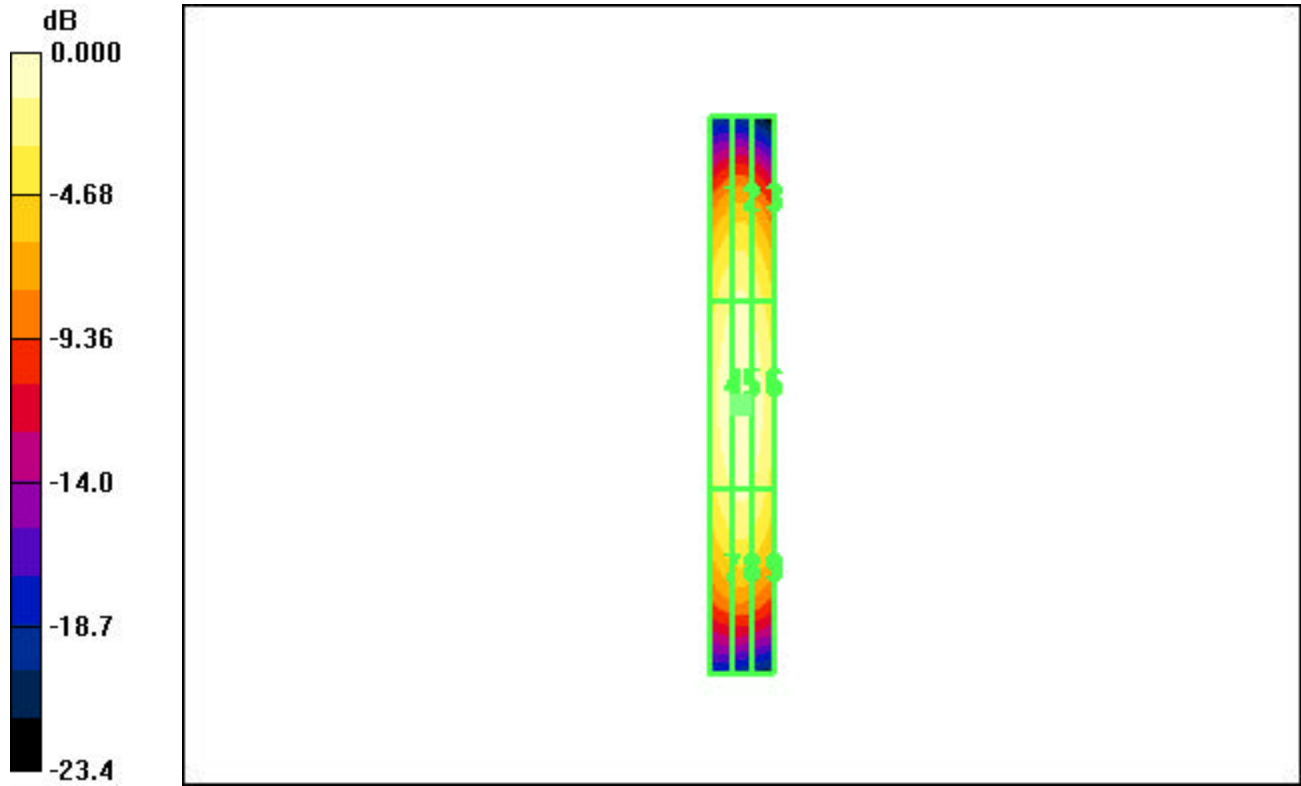
Probe Modulation Factor = 1.00

Reference Value = 0.502 A/m; Power Drift = -0.096 dB

**Hearing Aid Near-Field Category: M2 (AWF 0 dB)**

Peak H-field in A/m

Grid 1 <b>0.408</b>	Grid 2 <b>0.428</b>	Grid 3 <b>0.394</b>
Grid 4 <b>0.469</b>	Grid 5 <b>0.491</b>	Grid 6 <b>0.459</b>
Grid 7 <b>0.410</b>	Grid 8 <b>0.430</b>	Grid 9 <b>0.403</b>



0 dB = 0.491A/m



Date/Time: 7/31/2006 9:25:50 AM

Test Laboratory: Kyocera Wireless Corp.

**Validation\_E\_Dipole\_Probe SN2282, Dipole SN1015, set to probe sensor center for 1880Mhz, 07-31-06**

Communication System: CW, Frequency: 1900 MHz, Duty Cycle: 1:1

Medium: Air\_1, Medium parameters used:  $s = 0 \text{ mho/m}$ ,  $\epsilon = 1$ ;  $\rho = 0 \text{ kg/m}^3$ 

Phantom: HAC Test Arch, Phantom section: E Dipole Section

**DASY4 Configuration:**

Probe: ER3DV6 - SN2282, ConvF(1, 1, 1), Calibrated: 10/21/2005

Sensor-Surface: (Fix Surface),

Electronics: DAE4 Sn530, Calibrated: 1/16/2006

Measurement SW: DASY4, V4.7 Build 44

Postprocessing SW: SEMCAD, V1.8 Build 160

**E Scan 10mm above CD1880MHz/Hearing Aid Compatibility Test (41x181x1):** Measurement grid: dx=5mm, dy=5mm

Maximum value of peak Total field = 144.6 V/m

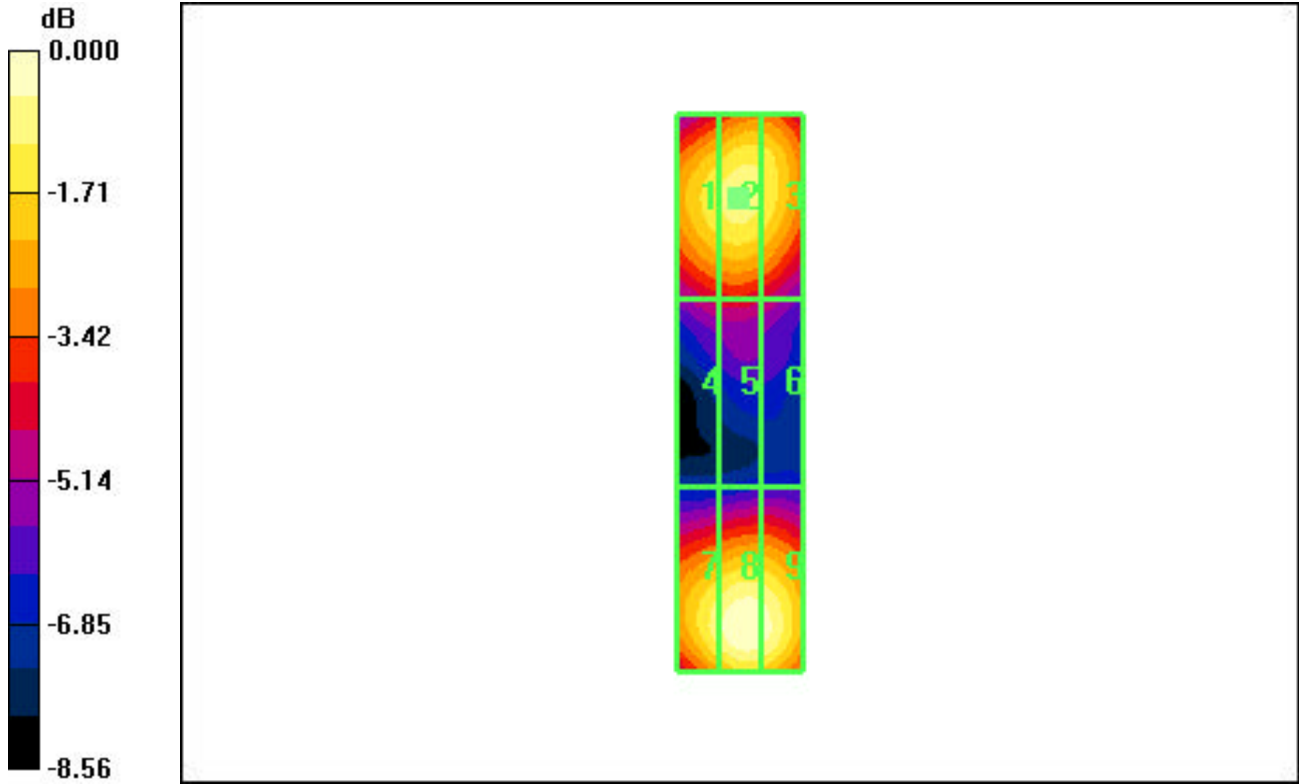
Probe Modulation Factor = 1.00

Reference Value = 68.4 V/m; Power Drift = -0.038 dB

**Hearing Aid Near-Field Category: M2 (AWF 0 dB)**

Peak E-field in V/m

Grid 1 <b>126.5</b>	Grid 2 <b>131.7</b>	Grid 3 <b>127.8</b>
Grid 4 <b>87.9</b>	Grid 5 <b>89.7</b>	Grid 6 <b>85.9</b>
Grid 7 <b>133.0</b>	Grid 8 <b>144.6</b>	Grid 9 <b>141.1</b>



0 dB = 144.6V/m

Date/Time: 7/31/2006 9:14:23 AM

Test Laboratory: Kyocera Wireless Corp.

**Validation\_E\_Dipole\_Probe SN2282, Dipole SN1020, set to probe sensor center for 835Mhz 07-31-06**

Communication System: CW, Frequency: 835 MHz, Duty Cycle: 1:1

Medium: Air\_1, Medium parameters used:  $s = 0 \text{ mho/m}$ ,  $\epsilon = 1$ ;  $\rho = 0 \text{ kg/m}^3$ 

Phantom: HAC Test Arch, Phantom section: E Dipole Section

**DASY4 Configuration:**

Probe: ER3DV6 - SN2282, ConvF(1, 1, 1), Calibrated: 10/21/2005

Sensor-Surface: (Fix Surface),

Electronics: DAE4 Sn530, Calibrated: 1/16/2006

Measurement SW: DASY4, V4.7 Build 44

Postprocessing SW: SEMCAD, V1.8 Build 160

**E Scan 10mm above CD835MHz/Hearing Aid Compatibility Test (41x361x1):** Measurement grid: dx=5mm, dy=5mm

Maximum value of peak Total field = 179.0 V/m

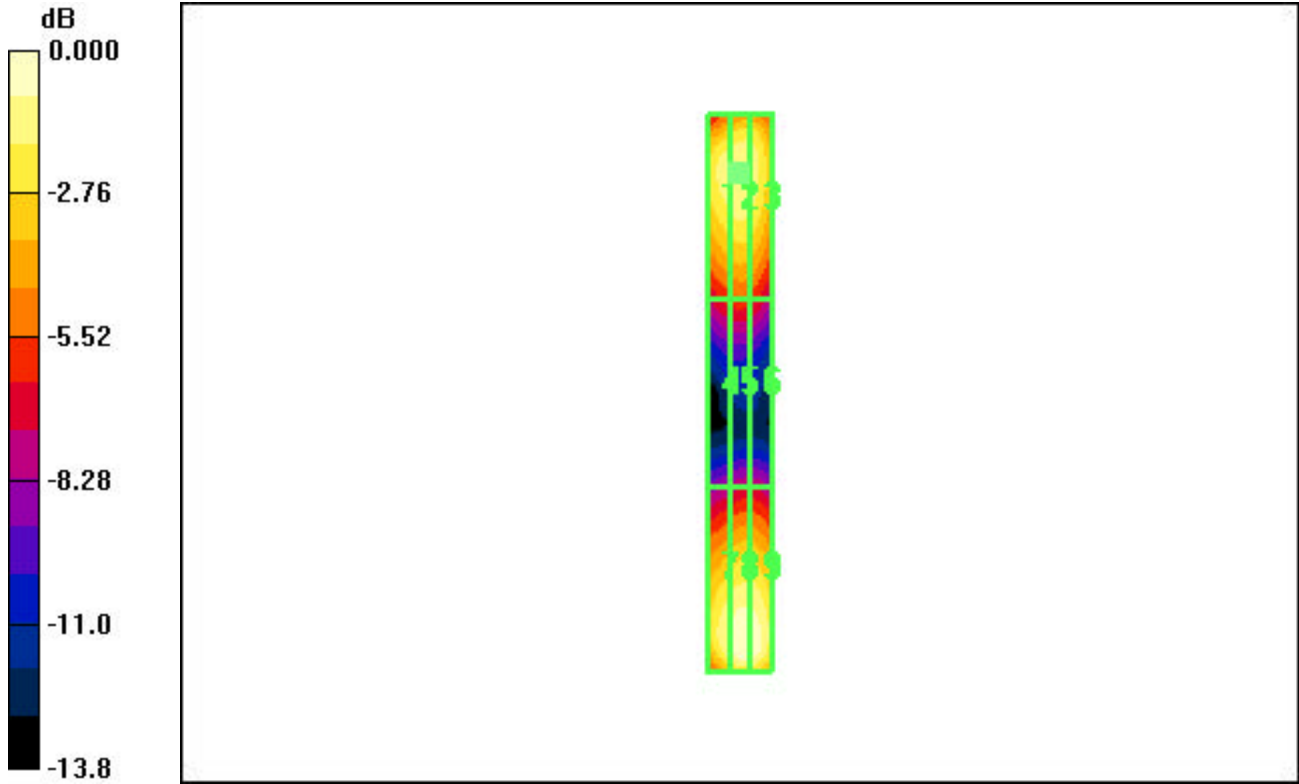
Probe Modulation Factor = 1.00

Reference Value = 48.7 V/m; Power Drift = -0.046 dB

**Hearing Aid Near-Field Category: M2 (AWF 0 dB)**

Peak E-field in V/m

Grid 1	Grid 2	Grid 3
158.0	161.7	158.1
Grid 4	Grid 5	Grid 6
89.7	92.5	89.6
Grid 7	Grid 8	Grid 9
165.7	179.0	177.2



0 dB = 179.0V/m

Date/Time: 7/31/2006 8:46:21 AM

Test Laboratory: Kyocera Wireless Corp.

**Validation\_H\_Dipole\_Probe SN6123, Dipole SN1015, set to probe sensor center for 1880Mhz, 07-31-06**

Communication System: CW, Frequency: 1880 MHz, Duty Cycle: 1:1

Medium: Air\_1, Medium parameters used:  $s = 0 \text{ mho/m}$ ,  $\epsilon = 1$ ;  $\rho = 1 \text{ kg/m}^3$ 

Phantom: HAC Test Arch, Phantom section: H Dipole Section

**DASY4 Configuration:**

Probe: H3DV6 - SN6123, , Calibrated: 9/2/2004

Sensor-Surface: (Fix Surface),

Electronics: DAE4 Sn530, Calibrated: 1/16/2006

Measurement SW: DASY4, V4.7 Build 44

Postprocessing SW: SEMCAD, V1.8 Build 160

**H Scan 10mm above CD1880MHz/Hearing Aid Compatibility Test (41x181x1):** Measurement grid: dx=5mm, dy=5mm

Maximum value of peak Total field = 0.482 A/m

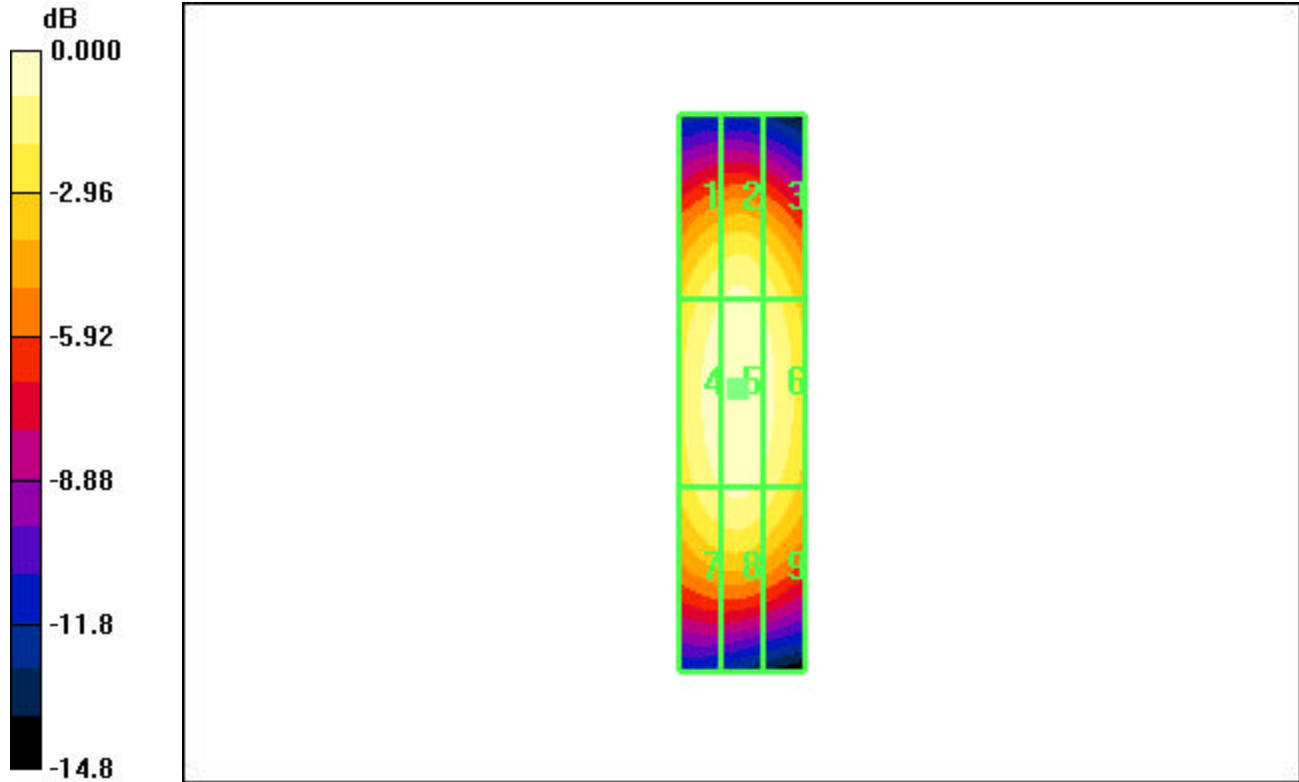
Probe Modulation Factor = 1.00

Reference Value = 0.482 A/m; Power Drift = 0.026 dB

**Hearing Aid Near-Field Category: M2 (AWF 0 dB)**

Peak H-field in A/m

Grid 1	Grid 2	Grid 3
<b>0.429</b>	<b>0.448</b>	<b>0.419</b>
Grid 4	Grid 5	Grid 6
<b>0.466</b>	<b>0.482</b>	<b>0.453</b>
Grid 7	Grid 8	Grid 9
<b>0.431</b>	<b>0.445</b>	<b>0.415</b>



0 dB = 0.482A/m

Date/Time: 7/31/2006 9:01:47 AM

Test Laboratory: Kyocera Wireless Corp.

**Validation\_H\_Dipole\_Probe SN6123, Dipole SN1020, set to probe sensor center for 835Mhz, 07-31-06**

Communication System: CW, Frequency: 835 MHz, Duty Cycle: 1:1

Medium: Air\_1, Medium parameters used:  $s = 0$  mho/m,  $\epsilon = 1$ ;  $\rho = 0$  kg/m<sup>3</sup>

Phantom: HAC Test Arch, Phantom section: H Dipole Section

**DASY4 Configuration:**

Probe: H3DV6 - SN6123, , Calibrated: 9/2/2004

Sensor-Surface: (Fix Surface),

Electronics: DAE4 Sn530, Calibrated: 1/16/2006

Measurement SW: DASY4, V4.7 Build 44

Postprocessing SW: SEMCAD, V1.8 Build 160

**H Scan 10mm above CD835MHz/Hearing Aid Compatibility Test (41x361x1):** Measurement grid: dx=5mm, dy=5mm

Maximum value of peak Total field = 0.492 A/m

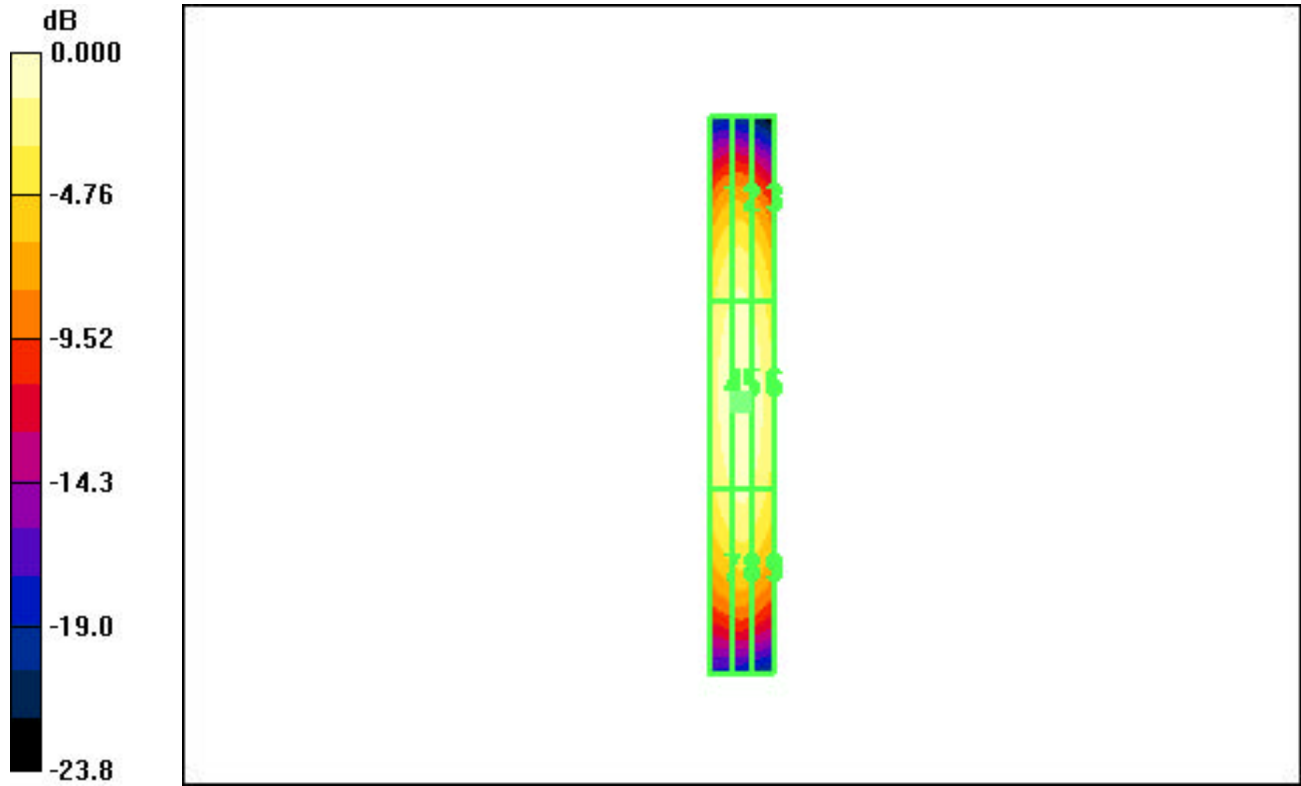
Probe Modulation Factor = 1.00

Reference Value = 0.498 A/m; Power Drift = 0.049 dB

**Hearing Aid Near-Field Category: M2 (AWF 0 dB)**

Peak H-field in A/m

Grid 1 <b>0.413</b>	Grid 2 <b>0.428</b>	Grid 3 <b>0.397</b>
Grid 4 <b>0.470</b>	Grid 5 <b>0.492</b>	Grid 6 <b>0.458</b>
Grid 7 <b>0.410</b>	Grid 8 <b>0.434</b>	Grid 9 <b>0.404</b>



0 dB = 0.492A/m