

Test Laboratory: Kyocera Wireless Corp.

**Validation\_E\_Dipole\_Probe SN2282, Dipole SN1015, set to probe sensor center for 1880Mhz, 08-18-06**

Communication System: CW, Frequency: 1900 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 = 153.5 V/m

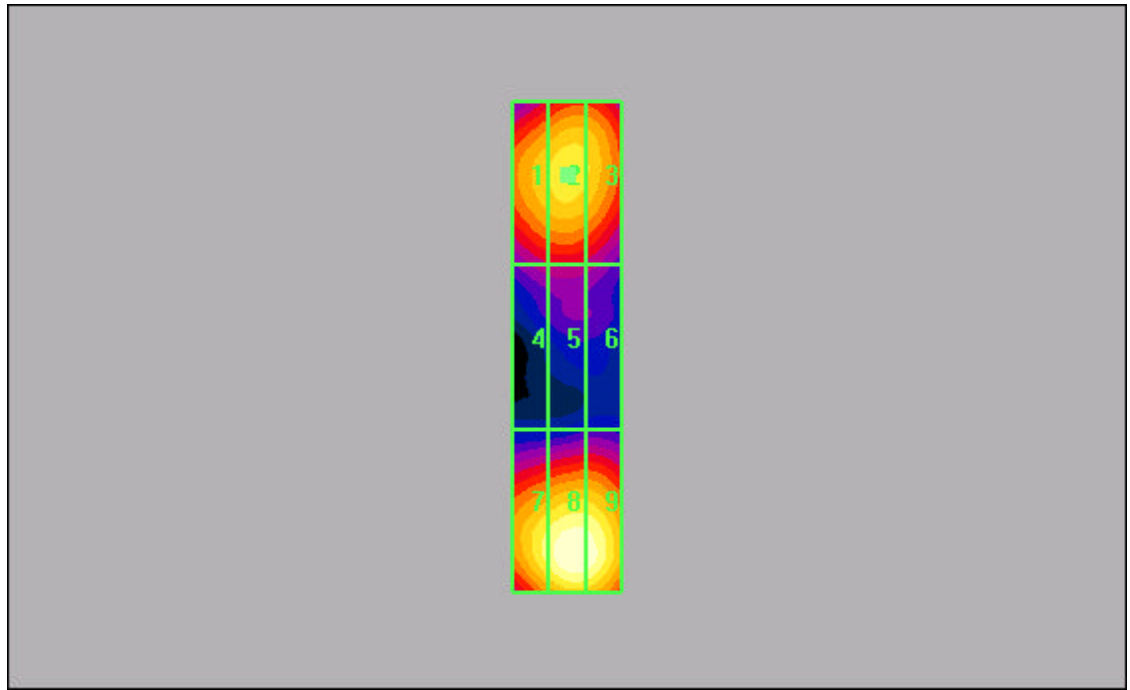
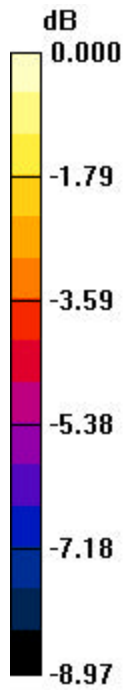
Probe Modulation Factor = 1.00

Reference Value = 69.2 V/m; Power Drift = 0.037 dB

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

Peak E-field in V/m

Grid 1 125.0	Grid 2 130.9	Grid 3 126.4
Grid 4 87.4	Grid 5 89.7	Grid 6 86.1
Grid 7 138.8	Grid 8 153.5	Grid 9 151.4



0 dB = 153.5V/m

Test Laboratory: Kyocera Wireless Corp.

**Validation\_E\_Dipole\_Probe SN2282, Dipole SN1015, set to probe sensor center for 1880Mhz, 08-21-06**

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 = 143.3 V/m

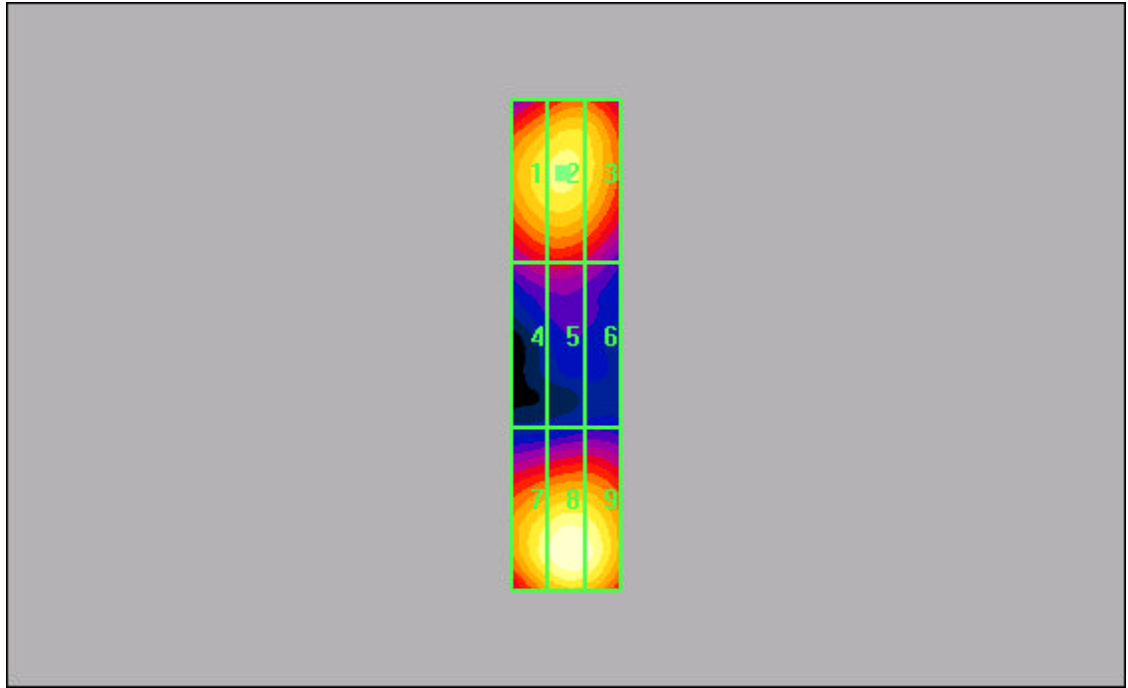
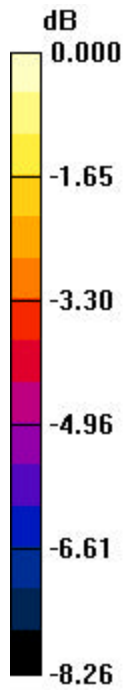
Probe Modulation Factor = 1.00

Reference Value = 69.6 V/m; Power Drift = 0.029 dB

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

Peak E-field in V/m

Grid 1 126.3	Grid 2 129.7	Grid 3 124.1
Grid 4 88.1	Grid 5 89.0	Grid 6 84.4
Grid 7 133.2	Grid 8 143.3	Grid 9 139.3



0 dB = 143.3V/m

Test Laboratory: Kyocera Wireless Corp.

**Validation\_E\_Dipole\_Probe SN2282, Dipole SN1020, set to probe sensor center for 835Mhz 08-18-06**

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: 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 = 182.7 V/m

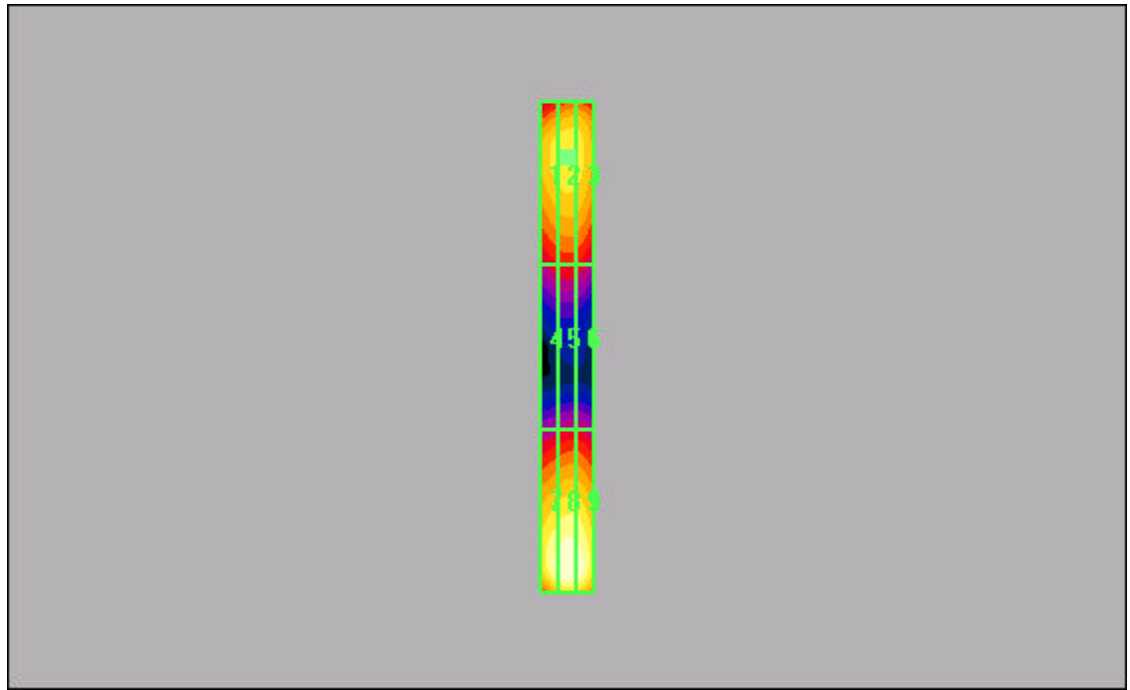
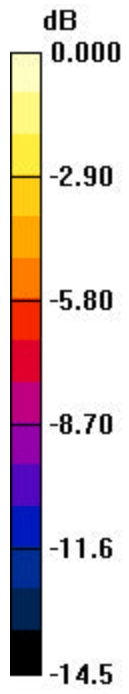
Probe Modulation Factor = 1.00

Reference Value = 47.1 V/m; Power Drift = 0.015 dB

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

Peak E-field in V/m

Grid 1 <b>139.9</b>	Grid 2 <b>145.0</b>	Grid 3 <b>142.4</b>
Grid 4 <b>82.4</b>	<b>Grid 5</b> <b>85.4</b>	Grid 6 <b>83.4</b>
Grid 7 <b>171.6</b>	Grid 8 <b>182.7</b>	Grid 9 <b>178.6</b>



0 dB = 182.7V/m

Test Laboratory: Kyocera Wireless Corp.

**Validation\_E\_Dipole\_Probe SN2282, Dipole SN1020, set to probe sensor center for 835Mhz 08-21-06**

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: 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 = 169.9 V/m

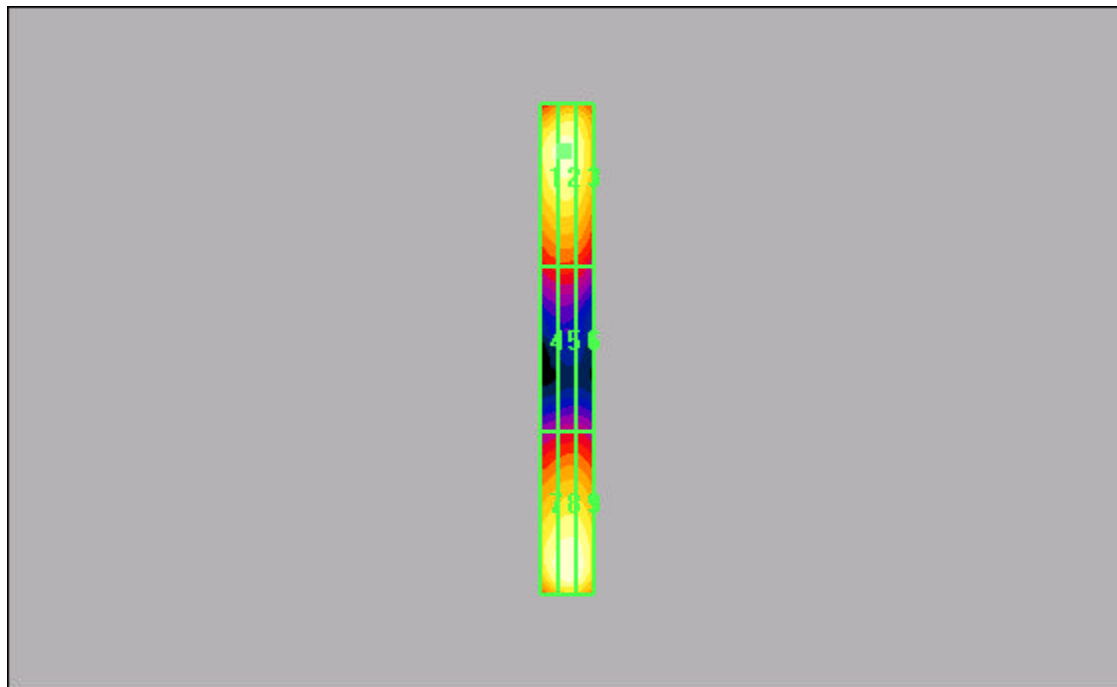
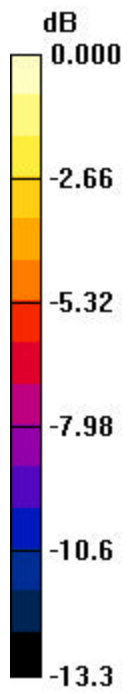
Probe Modulation Factor = 1.00

Reference Value = 48.5 V/m; Power Drift = 0.053 dB

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

Peak E-field in V/m

Grid 1 <b>158.3</b>	Grid 2 <b>161.9</b>	Grid 3 <b>152.8</b>
Grid 4 <b>87.2</b>	Grid 5 <b>88.4</b>	Grid 6 <b>85.0</b>
Grid 7 <b>161.1</b>	Grid 8 <b>169.9</b>	Grid 9 <b>165.2</b>



0 dB = 169.9V/m



Test Laboratory: Kyocera Wireless Corp.

**Validation\_H\_Dipole\_Probe SN6123, Dipole SN1015, set to probe sensor center for 1880Mhz, 08-18-06**

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

Medium: Air\_1, Medium parameters used:  $s = 0$  mho/m,  $\epsilon = 1$ ;  $\rho = 1$  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 CD1880MHz/Hearing Aid Compatibility Test (41x181x1):** Measurement grid: dx=5mm, dy=5mm

Maximum value of peak Total field = 0.482 A/m

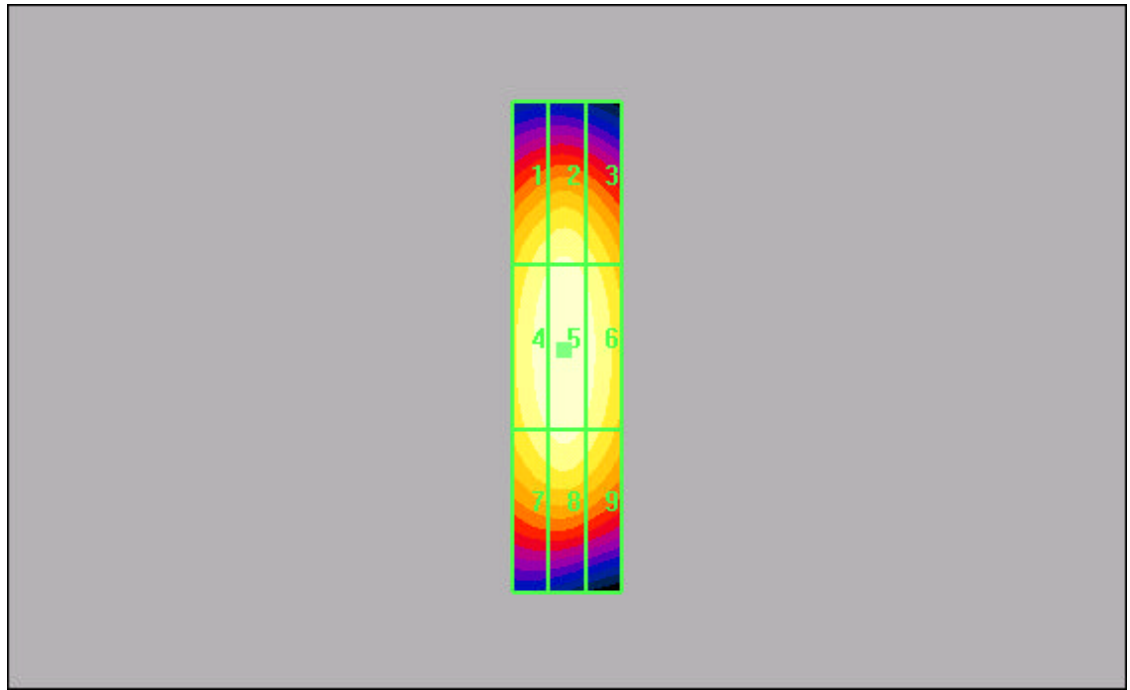
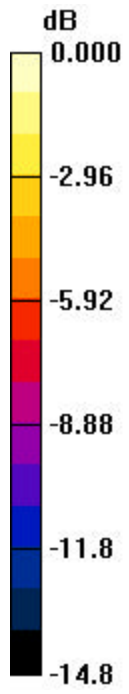
Probe Modulation Factor = 1.00

Reference Value = 0.485 A/m; Power Drift = -0.061 dB

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

Peak H-field in A/m

Grid 1 <b>0.425</b>	Grid 2 <b>0.443</b>	Grid 3 <b>0.413</b>
Grid 4 <b>0.463</b>	Grid 5 <b>0.482</b>	Grid 6 <b>0.453</b>
Grid 7 <b>0.432</b>	Grid 8 <b>0.450</b>	Grid 9 <b>0.419</b>



0 dB = 0.482A/m

Test Laboratory: Kyocera Wireless Corp.

**Validation\_H\_Dipole\_Probe SN6123, Dipole SN1015, set to probe sensor center for 1880Mhz, 08-21-06**

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

Medium: Air\_1, Medium parameters used:  $s = 0$  mho/m,  $\epsilon = 1$ ;  $\rho = 1$  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 CD1880MHz/Hearing Aid Compatibility Test (41x181x1):** Measurement grid: dx=5mm, dy=5mm

Maximum value of peak Total field = 0.483 A/m

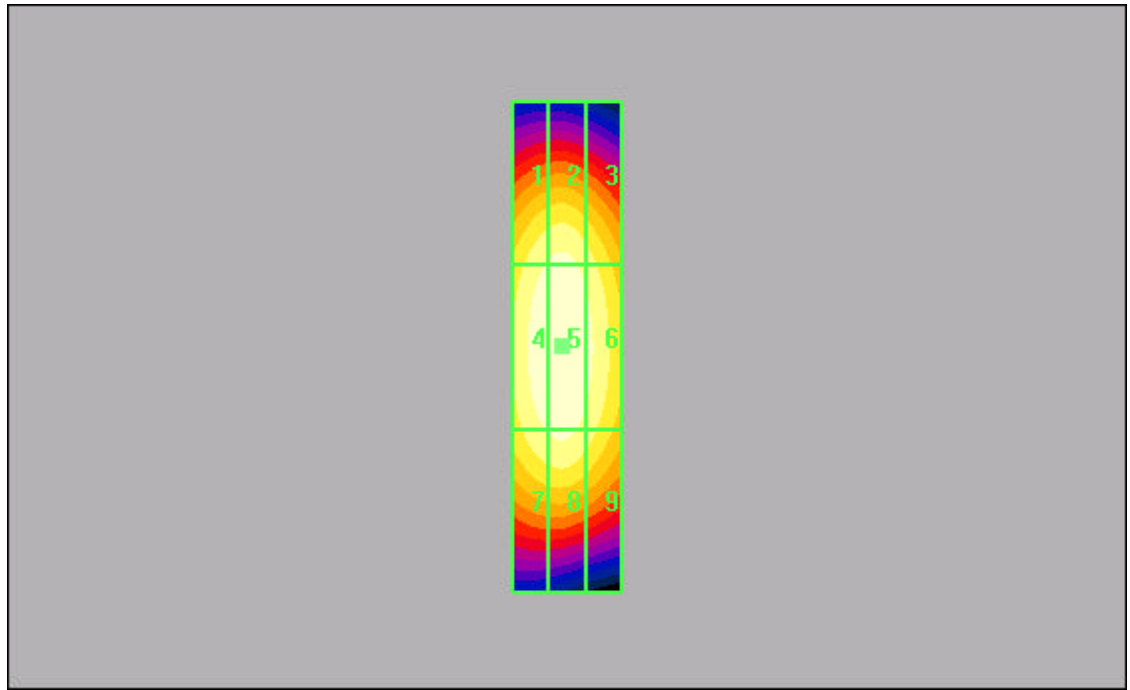
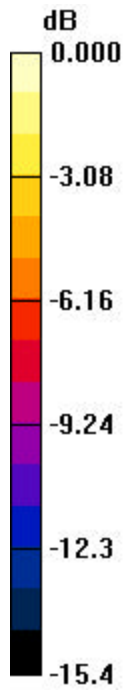
Probe Modulation Factor = 1.00

Reference Value = 0.486 A/m; Power Drift = -0.076 dB

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

Peak H-field in A/m

Grid 1 <b>0.434</b>	Grid 2 <b>0.447</b>	Grid 3 <b>0.409</b>
Grid 4 <b>0.470</b>	Grid 5 <b>0.483</b>	Grid 6 <b>0.447</b>
Grid 7 <b>0.434</b>	Grid 8 <b>0.445</b>	Grid 9 <b>0.409</b>



0 dB = 0.483A/m

Test Laboratory: Kyocera Wireless Corp.

**Validation\_H\_Dipole\_Probe SN6123, Dipole SN1020, set to probe sensor center for 835Mhz, 08-18-06**

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 = 0.471 A/m

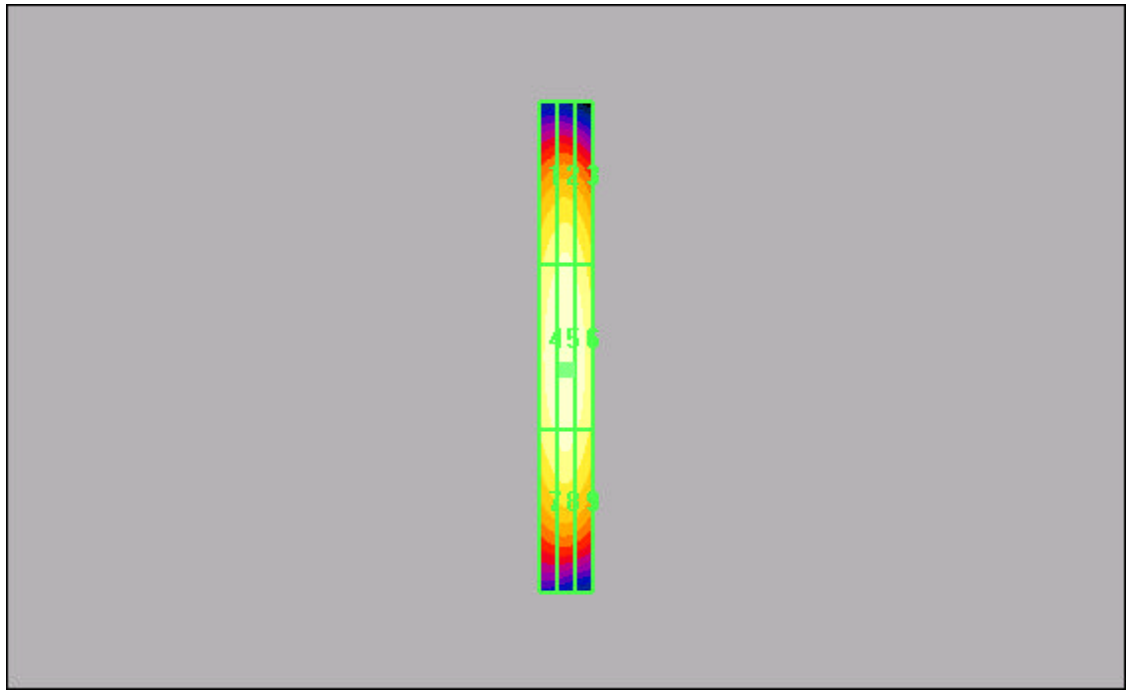
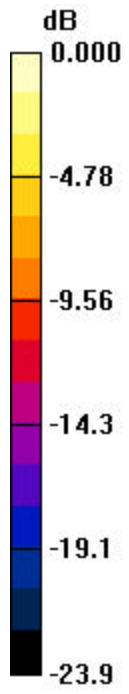
Probe Modulation Factor = 1.00

Reference Value = 0.480 A/m; Power Drift = -0.089 dB

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

Peak H-field in A/m

Grid 1 <b>0.390</b>	Grid 2 <b>0.414</b>	Grid 3 <b>0.381</b>
Grid 4 <b>0.449</b>	Grid 5 <b>0.471</b>	Grid 6 <b>0.447</b>
Grid 7 <b>0.406</b>	Grid 8 <b>0.429</b>	Grid 9 <b>0.398</b>



0 dB = 0.471A/m

Test Laboratory: Kyocera Wireless Corp.

**Validation\_H\_Dipole\_Probe SN6123, Dipole SN1020, set to probe sensor center for 835Mhz, 08-21-06**

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 = 0.485 A/m

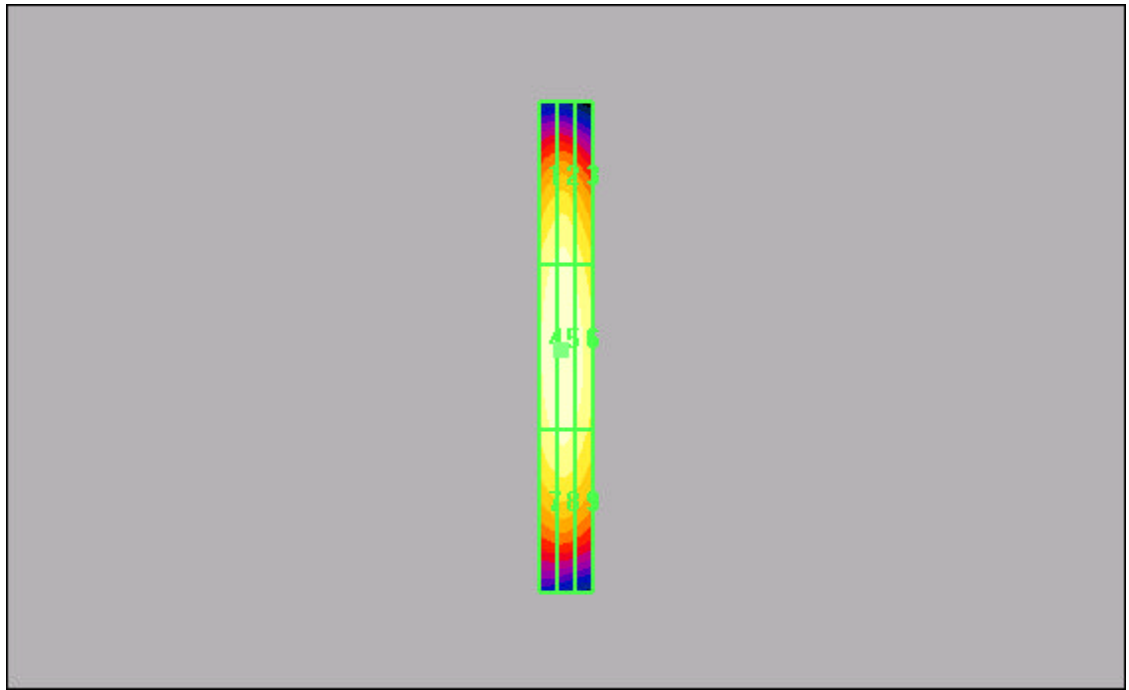
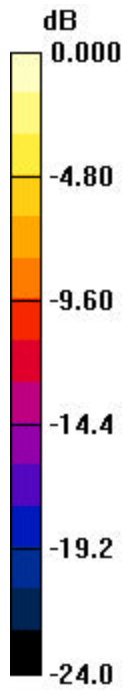
Probe Modulation Factor = 1.00

Reference Value = 0.491 A/m; Power Drift = 0.031 dB

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

Peak H-field in A/m

Grid 1 <b>0.422</b>	Grid 2 <b>0.434</b>	Grid 3 <b>0.384</b>
Grid 4 <b>0.478</b>	<b>Grid 5</b> <b>0.485</b>	Grid 6 <b>0.447</b>
Grid 7 <b>0.422</b>	Grid 8 <b>0.429</b>	Grid 9 <b>0.394</b>



0 dB = 0.485A/m