

Applicant:	Kyocera
FCC ID:	V65C5120
Report #:	CT-C5120-20RFB-0611-R0

**Validation E Field Probe SN2341, Dipole SN1020, 835MHz**

Date: 06/16/2011

**C5120\_E\_Dipole\_835**

Communication System: CW, Frequency: 835 MHz, Duty Cycle: 1:1  
 Medium: Air, Medium parameters used:  $\sigma = 0$  mho/m,  $\epsilon_r = 1$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
 Phantom: HAC Test Arch with AMCC, Phantom section: RF Section

**DASY4 Configuration:**

Probe: ER3DV6 - SN2341, ConvF(1, 1, 1), Calibrated: 7/12/2010

Sensor-Surface: (Fix Surface),

Electronics: DAE4 Sn527, Calibrated: 7/8/2010

Measurement SW: DASY4, V4.7 Build 80

Postprocessing SW: SEMCAD, V1.8 Build 186

**Temperature:**

Room T = 21.8̄ 1 deg C, Liquid T = 22.0̄ 1 deg C

**E Scan 835 - measurement distance from the probe sensor center to CD835 Dipole =**

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

Maximum value of peak Total field = 166.2 V/m

Probe Modulation Factor = 1.00

Device Reference Point: 0.000, 0.000, -6.30 mm

Reference Value = 169.1 V/m; Power Drift = 0.074 dB

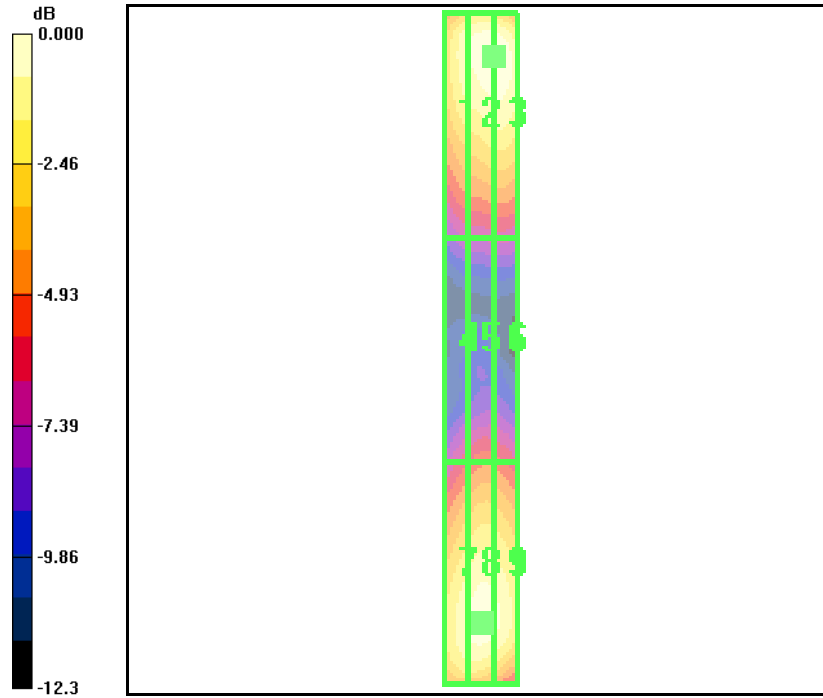
**Hearing Aid Near-Field Category: M4 (AWF 0 dB)**

Peak E-field in V/m

Grid 1 <b>151.9 M4</b>	Grid 2 <b>166.2 M4</b>	Grid 3 <b>166.2 M4</b>
Grid 4 <b>85.1 M4</b>	Grid 5 <b>92.3 M4</b>	Grid 6 <b>90.9 M4</b>
Grid 7 <b>151.5 M4</b>	Grid 8 <b>160.5 M4</b>	Grid 9 <b>156.6 M4</b>



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0 dB = 166.2V/m

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**Validation H Field Probe SN6029, Dipole SN1020, 835MHz**

Date: 06/16/2011

**C5120\_H\_Dipole\_835**

Communication System: CW, Frequency: 835 MHz, Duty Cycle: 1:1  
 Medium: Air, Medium parameters used:  $\sigma = 0$  mho/m,  $\epsilon_r = 1$ ;  $\rho = 1$  kg/m<sup>3</sup>  
 Phantom: HAC Test Arch with AMCC, Phantom section: RF Section

**DASY4 Configuration:**

Probe: H3DV5 - SN6029, , Calibrated: 7/16/2010

Sensor-Surface: (Fix Surface),

Electronics: DAE4 Sn527, Calibrated: 7/8/2010

Measurement SW: DASY4, V4.7 Build 80

Postprocessing SW: SEMCAD, V1.8 Build 186

**Temperature:**

Room T = 21.8̄ 1 deg C, Liquid T = 22.0̄ 1 deg C

**H Scan - measurement distance from the probe sensor center to CD835 Dipole = 10mm/Hearing**

**Aid Compatibility Test (41x181x1):** Measurement grid: dx=5mm, dy=5mm

Maximum value of peak Total field = 0.476 A/m

Probe Modulation Factor = 1.00

Device Reference Point: 0.000, 0.000, -6.30 mm

Reference Value = 0.552 A/m; Power Drift = -0.391 dB

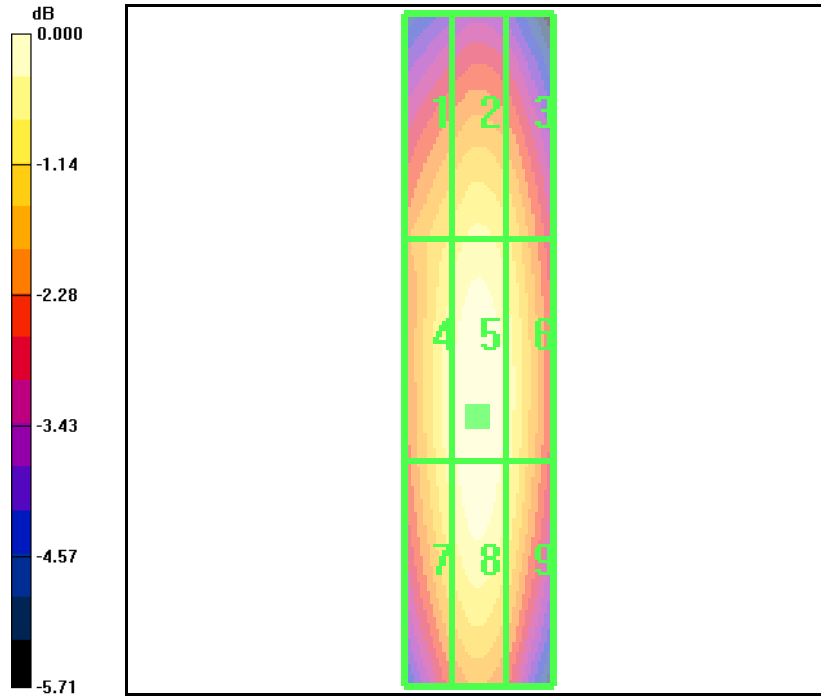
**Hearing Aid Near-Field Category: M4 (AWF 0 dB)**

Peak H-field in A/m

Grid 1 <b>0.424 M4</b>	Grid 2 <b>0.442 M4</b>	Grid 3 <b>0.425 M4</b>
Grid 4 <b>0.454 M4</b>	Grid 5 <b>0.476 M4</b>	Grid 6 <b>0.453 M4</b>
Grid 7 <b>0.449 M4</b>	Grid 8 <b>0.473 M4</b>	Grid 9 <b>0.448 M4</b>



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0 dB = 0.476A/m

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**Validation E Field Probe SN2341, Dipole SN1015, 1900MHz**

Date: 06/16/2011

**C5120\_E\_Dipole\_1880**

Communication System: CW, Frequency: 1900 MHz, Duty Cycle: 1:1  
 Medium: Air, Medium parameters used:  $\sigma = 0$  mho/m,  $\epsilon_r = 1$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
 Phantom: HAC Test Arch with AMCC, Phantom section: RF Section

**DASY4 Configuration:**

Probe: ER3DV6 - SN2341, ConvF(1, 1, 1), Calibrated: 7/12/2010  
 Sensor-Surface: (Fix Surface),  
 Electronics: DAE4 Sn527, Calibrated: 7/8/2010  
 Measurement SW: DASY4, V4.7 Build 80  
 Postprocessing SW: SEMCAD, V1.8 Build 186

**Temperature:**

Room T = 21.8 ± 1 deg C, Liquid T = 22.0 ± 1 deg C

**E Scan 1880 - measurement distance from the probe sensor center to CD1880 Dipole = 10mm/Hearing Aid Compatibility Test (41x181x1):** Measurement grid: dx=5mm, dy=5mm

Maximum value of peak Total field = 139.7 V/m

Probe Modulation Factor = 1.00

Device Reference Point: 0.000, 0.000, -6.30 mm

Reference Value = 145.6 V/m; Power Drift = -0.160 dB

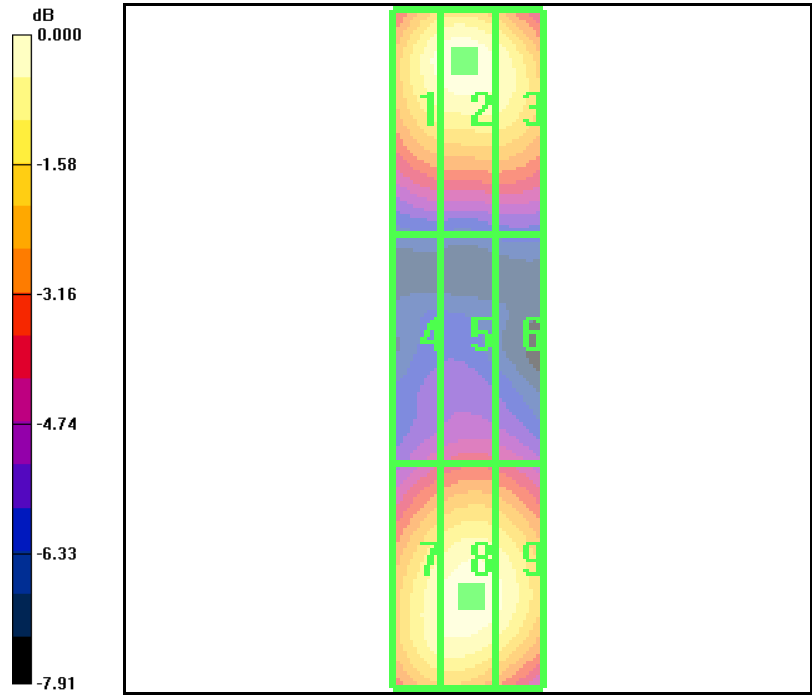
**Hearing Aid Near-Field Category: M2 (AWF 0 dB)**

Peak E-field in V/m

Grid 1 <b>135.8 M2</b>	Grid 2 <b>139.7 M2</b>	Grid 3 <b>133.6 M2</b>
Grid 4 <b>85.5 M3</b>	Grid 5 <b>89.6 M3</b>	Grid 6 <b>88.1 M3</b>
Grid 7 <b>132.9 M2</b>	Grid 8 <b>137.3 M2</b>	Grid 9 <b>134.3 M2</b>



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0 dB = 139.7V/m

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**Validation H Field Probe SN6029, Dipole SN1015, 1900MHz**

Date: 06/16/2011

**C5120\_H\_Dipole\_1880**

Communication System: CW, Frequency: 1800 MHz, Duty Cycle: 1:1  
 Medium: Air, Medium parameters used:  $\sigma = 0$  mho/m,  $\epsilon_r = 1$ ;  $\rho = 1$  kg/m<sup>3</sup>  
 Phantom: HAC Test Arch with AMCC, Phantom section: RF Section

**DASY4 Configuration:**

Probe: H3DV5 - SN6029, , Calibrated: 7/16/2010

Sensor-Surface: (Fix Surface),

Electronics: DAE4 Sn527, Calibrated: 7/8/2010

Measurement SW: DASY4, V4.7 Build 80

Postprocessing SW: SEMCAD, V1.8 Build 186

**Temperature:**

Room T = 21.8̄ 1 deg C, Liquid T = 22.0̄ 1 deg C

**H Scan - measurement distance from the probe sensor center to CD1880 Dipole = 10mm/Hearing**

**Aid Compatibility Test (41x181x1):** Measurement grid: dx=5mm, dy=5mm

Maximum value of peak Total field = 0.492 A/m

Probe Modulation Factor = 1.00

Device Reference Point: 0.000, 0.000, -6.30 mm

Reference Value = 0.548 A/m; Power Drift = -0.226 dB

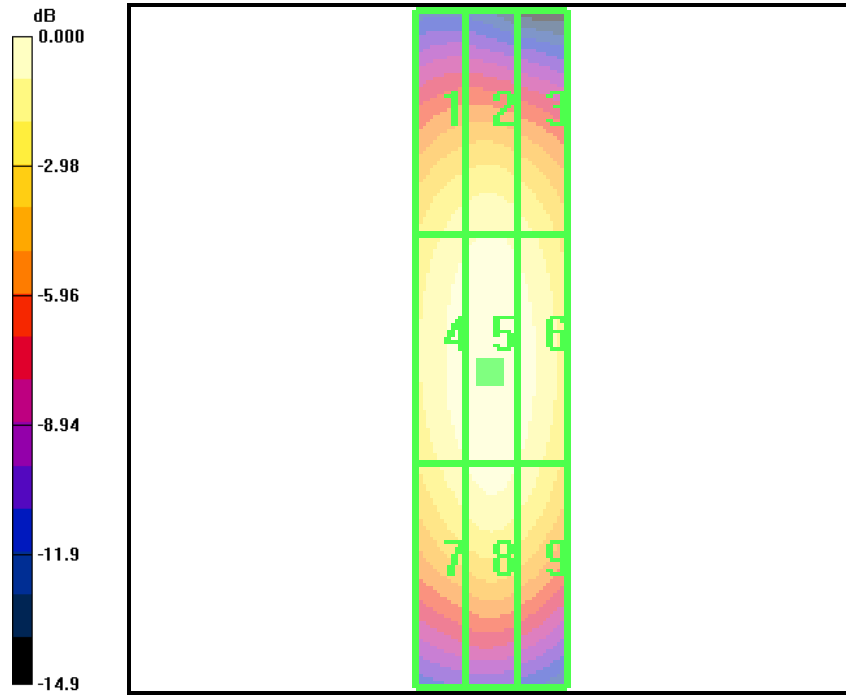
**Hearing Aid Near-Field Category: M2 (AWF 0 dB)**

Peak H-field in A/m

Grid 1	Grid 2	Grid 3
<b>0.424 M2</b>	<b>0.443 M2</b>	<b>0.420 M2</b>
Grid 4	Grid 5	Grid 6
<b>0.469 M2</b>	<b>0.492 M2</b>	<b>0.470 M2</b>
Grid 7	Grid 8	Grid 9
<b>0.438 M2</b>	<b>0.467 M2</b>	<b>0.439 M2</b>



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0 dB = 0.492A/m