
APPLICATION NOTE

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November, 1998



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New kVp correction graphs **Chapter 4.8.4. Radiographic - CA 1**

This application note describes the corrections when using PMX-III, calibration CA 1, on different hard filtrated beam qualities. Three new kVp corrections - 3.0, 4.0, and 5.0 mm Al + 0.1 mm Cu – have been measured.

By

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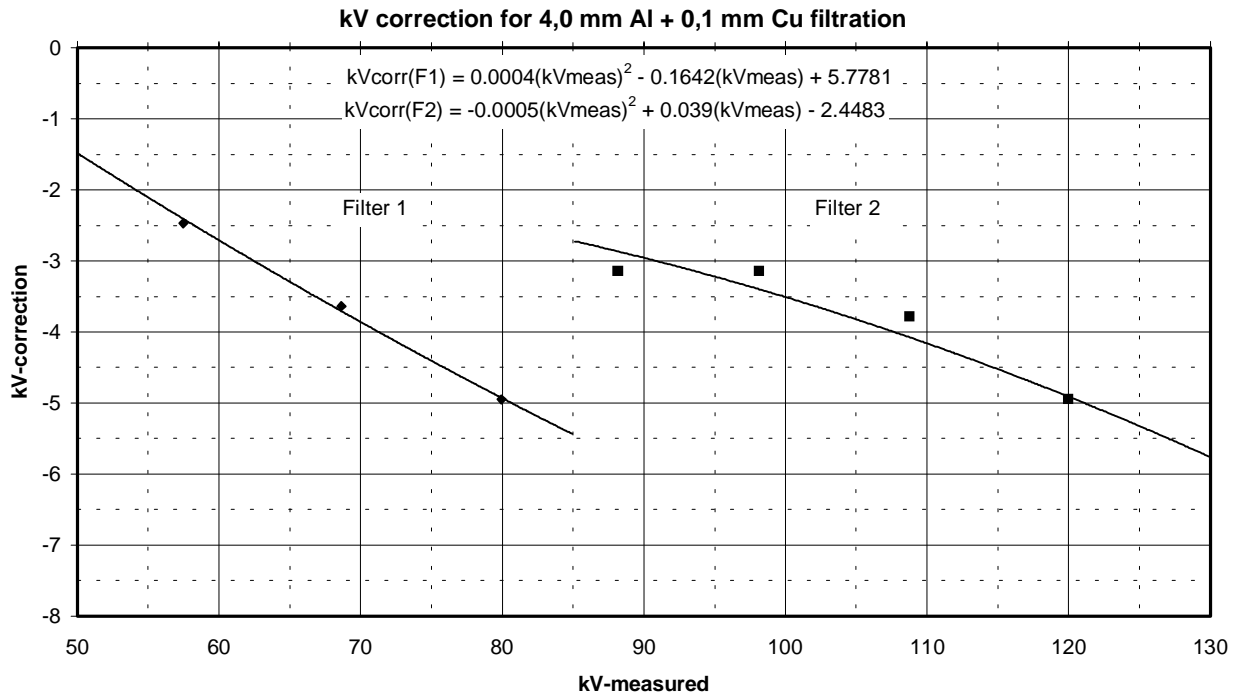
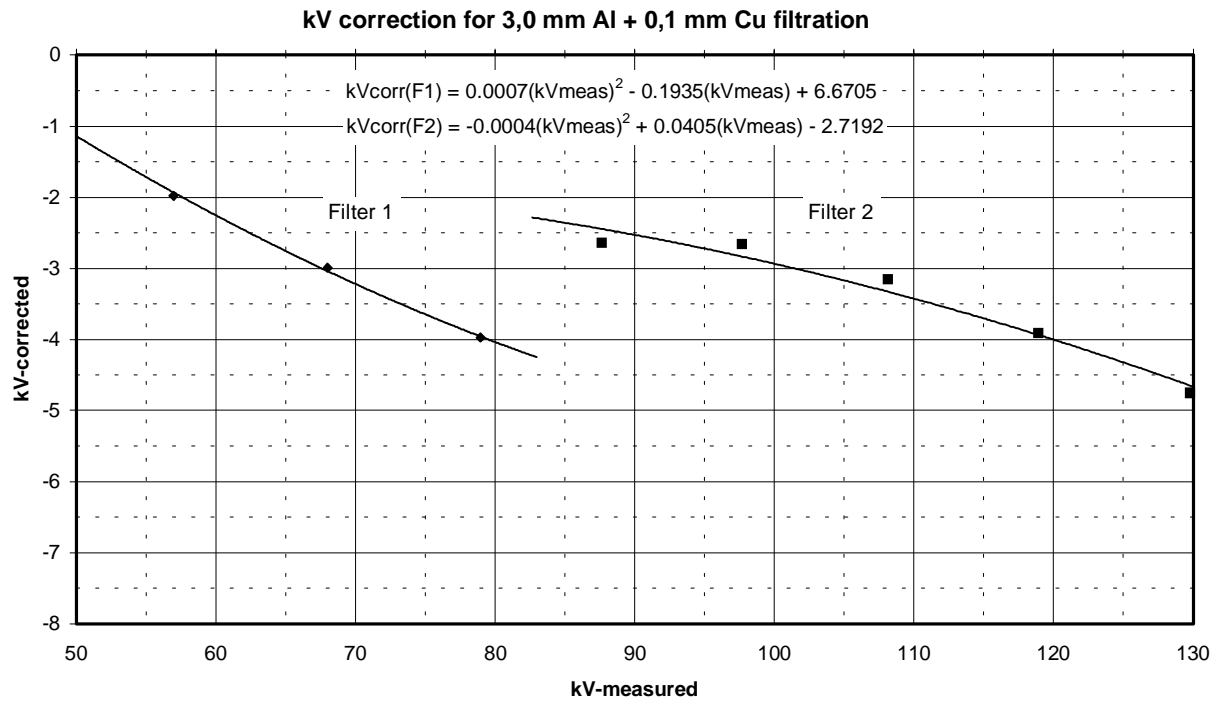
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New kVp correction graphs; Chapter 4.8.4. Radiographic - CA 1

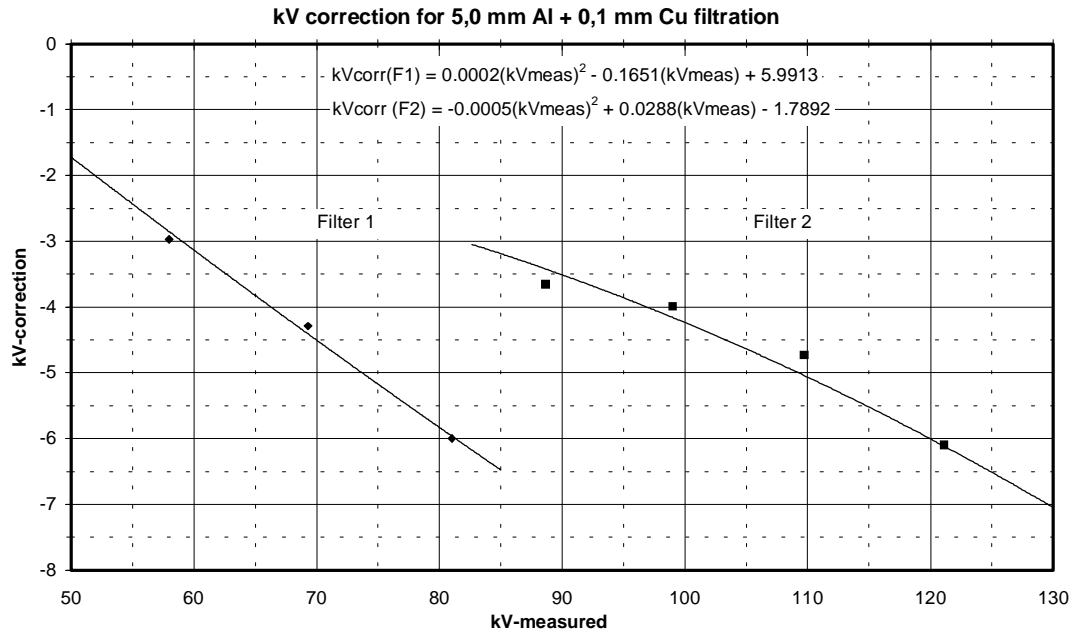
New kVp correction - 3.0, 4.0, and 5.0 mm Al + 0.1 mm Cu

The graphs below show the correction for tube/filter combination #1. The corrections are valid for the RAD sensor, W target and filtration of 3.0, 4.0 and 5.0 mm Al + 0.1 mm Cu.



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Example:

Read kVp value on the PMX-III display = 100.0 kV

Read filter pair on the PMX-III display = Fi:2

Known total filtration = 4 mm Al + 0,1 mm Cu

kVp correction from the graph or from the equation above = -3.5 kV

True kVp value = 100.0 - 3.5 = 96.5 kV