

ABSTRACT**LOW COMPLEXITY TEMPORAL SYNCHRONIZATION IN A DIGITAL
PREDISTORTION CALCULATION LOOP**

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The invention relates to a method for temporally synchronizing two signals in a signal transmission device and the associated device. The two signals are used by a predistortion calculation loop (201) to calculate predistortion coefficients (115) applied to the signal to be transmitted before
10 its amplification (103) and its emission. The method comprises consecutively:

- the application of a first time offset (114) corresponding substantially to the time gap between the two signals, and

- the application of a second time offset (202) corresponding substantially to the time gap between the two signals after application of the
15 first time offset, the second time offset being calculated on the basis of the said predistortion coefficients.

Figure 2