A non-liminal (CCR) C^*-algebra.

****

Let H be an infinite dimensional Hilbert space. Then faithful irreducible representation

$$\begin{array}{rcl} B(H) & \longrightarrow & B(H) \qquad (B(H)' = \mathcal{C}1) \\ T & \longmapsto & T \end{array}$$

together with $B(H) \neq K(H)$, shows that $B(H)$ isn't liminal.

Comment. Another example may be found in CW22.