

**ABSTRACT** (Figure 3)

A method of transferring a modulated radio frequency signal from a first site, for example a macrocellular mobile communications base station, to a second site, for example a microcellular mobile communications base station. The method comprising deriving, at the first site, from one reference oscillator both a conversion signal and a pilot signal, utilising the conversion signal to downconvert the modulated radio frequency signal, and sending both the downconverted modulated signal and the pilot signal to the second site via a common communications link. At the second site a second conversion signal is derived from the pilot signal and is used to reform the modulated signal.