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(54) Title: METHOD AND APPARATUS FOR TRANSMITTING REFERENCE SIGNAL USING SINGLE-CARRIER OF-
FSET-QAM

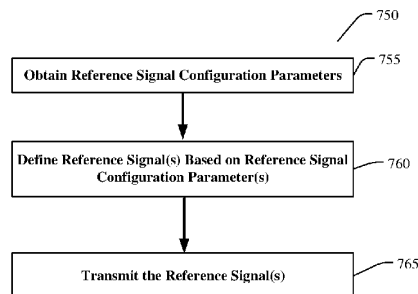


FIG. 9

(57) Abstract: A communication method and apparatus. A set of signal outputs includes one or more reference signals including a primary reference signal defined based on a configuration parameter. The reference signals are defined to eliminate phase distortion of the primary reference signal without impacting the peak to average power ratio of a signal waveform. The primary reference signal is transmitted at a time p. The set of signal outputs may also include a second reference signal transmitted at a time p+1, and a third reference signal transmitted at a time p-1. The power level of the primary reference signal may be boosted without impacting the peak to average power ratio of the signal waveform. The primary reference signal may be a first real reference signal replacing imaginary traffic at time p or a first imaginary reference signal replacing real traffic at time p.

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