

TRANSMITTER

ABSTRACT

5 According to embodiments of the present invention, a transmitter is provided. The transmitter includes a frequency shift keying (FSK) circuit, and a phase shift keying (PSK) circuit coupled in series to the FSK circuit, wherein the FSK circuit is configured, in a first mode of operation, to provide a FSK modulated signal to the PSK circuit, and, in a second mode of operation, to provide a fixed frequency signal to the PSK circuit, and
10 wherein the PSK circuit is configured, in the first mode of operation, to transmit the FSK modulated signal, and, in the second mode of operation, to provide a PSK modulated signal based on the fixed frequency signal received from the FSK circuit.

Figure 2