



Phase Shift Key Modulation

PSK31 uses phase shift keying modulation. The principle is that the phase angle of the carrier signal used for the data modulation, i.e. the tone signal or R.F. carrier frequency, is altered by the data signal modulation circuit to change the phase of the modulated carrier. On the example viewed here, a logic "0" bit would leave the carrier signal un-altered, but a logic "1" signal would change the carrier signal by 90 degrees. The phase change would be noted by the receiver circuits, and viewed as a bit change within the transmitted data message.