| Table to Remember various shift keying modulations | | | |
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| **Shift Keying Method** | **What Changes** | **Visualization Changes** | **Examples**  **(Depending on the description of the implementation)** |
| ASK (Amplitude Shift Keying) | **Amplitude** of the carrier signal | Signal gets **longer** or **shorter** |  |
| FSK (Frequency Shift Keying) | **Frequency** of the carrier signal | Signal gets faster or slower (i.e. **more** or **less** **cycle**) |  |
| PSK (Phase Shift Keying) | The **phase** of the carrier signal | Signal starts from **different** **phase** **angle** |  |
| QPSK (Quadrature Phase Shift Keying) | The phase of two orthogonal carrier signals | It is a bit tricky, The vector addition of two signals gives the result.  Vocabs:   * In-phase: Orginal Carrier signal * Quadrature / Out-phase: orthogonal (90º rotation) of the original carrier signal. |  |
| ASK and FSK also have **Multi-level keying** i.e. different combination of bits gives different levels of modulation within the same bit stream. | | | |