

2.1033(c)(13) Digital Modulation Description

Fast Ethernet - The combined payload data and control data are modulated using 8-PSK modulation. 100 Mbps FE IFU uses a 8-level Phase Shift Keying (8-PSK) modulation scheme. In 8-PSK modulation, the phase of the RF carrier is modulated such that each point of the constellation represents a particular phase of the RF carrier. The amplitude of the RF carrier remains constant.

The spectrum of the modulated waveform fits within the spectral masks defined by the FCC at 28 GHz.