

2.1033(c)(13) Digital Modulation Description

SONET - The combined payload data and control data are modulated using 32-QAM modulation. 155 Mbps OC-3 IFU uses a 32-level Quadrature Amplitude Modulation (32-QAM) modulation scheme. In 32-QAM modulation, both the phase and the amplitude of the RF carrier is modulated such that each point of the constellation represents a particular phase and amplitude of the RF carrier.

The spectrum of the modulated waveforms fit within the spectral masks defined by the FCC at 28 GHz.