Chapters 9.3-9

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Modulation Schemes not Requiring Coherent References

In this section, now we consider two modulation schemes that you do not need to require the acquisition of a local reference signal in phase coherence with the received carrier.

Differential Phase-Shift Keying (DPSK)

The implementation of a such a scheme presupposes two things; 1)-The mechanism causing the unknown phase perturbation on the signal varies so slowly that the phase is essentially constant from one signaling interval to next.

Comparison of Digital Modulation Systems



Multipath Interference



Equalization





Equalization by Zero Forcing



Equalization by Minimum Mean-Squared Error



Tap Weight Ajustment (LMS Algorithm)

