

List of Figures

Figure-2.1	Block Diagram	9
Figure-2.2	Input digital data carrier and modulated data.	13
Figure-2.3	Bit error probability with Frequency and Load impedance for 1000 meters line.	15
Figure-2.4	Effects of line length (meters) on the bit error probability.	15
Figure-3.1	Sampling circuit	21
Figure-3.2	555 timer ADC	22
Figure-3.3	Block diagram of XR-2206	23
Figure-3.4	Circuit diagram of XR-2206	24
Figure-3.5	A broadband coupling circuit.	25
Figure-3.6	Transfer function of the coupling circuit.	25
Figure 3.7	Block diagram of XR 2211	26
Figure-3.8	Circuit diagram of XR 2211	28
Figure-4.1	Modulator circuit top view	31
Figure-4.2	Modulator circuit back side view	32
Figure-4.3	Demodulator circuit top view	32
Figure-4.4	Demodulator circuit back side view	33
Figure-4.5	Amplifier circuit	33
Figure-4.6	ADC Circuit	34
Figure-4.7	Input digital signal	34