

LIST OF TABLES

Table 1.1 Comparison of features of Auto-ID techniques[1]	4
Table 2.1 Input characteristics of some UHF RFID tag ICs	19
Table 2.2 Evolution of RFID system	28
Table 3.1 Optimized geometrical parameters of the cross dipole CP antenna.....	55
Table 3.2 Comparison between proposed CP antenna and LP antenna in terms of read range	67
Table 3.3 Performance comparison of the cross dipole CP antenna with different CP RFID tag antennas	67
Table 4.1 Optimized geometrical parameters of the dual-band dual antenna.....	76
Table 4.2 Backscattering RCS of conventional and dual antennas at 866 MHz and 915 MHz	83
Table 4.3 Maximum read range of the proposed dual antenna attached to different size metallic objects	85
Table 5.1 Performance comparison among one slot CP antennas	92
Table 5.2 Performance comparison of one-, two- and four- slot meandered cross- shaped CP antennas.....	98