

## LIST OF TABLES

<b>Table 2.1</b> Terms in Genetic Algorithm.....	20
<b>Table 4.1</b> ESPAR antenna geometry parameters .....	20
<b>Table 4.2</b> Genetic Algorithm parameters .....	20
<b>Table 4.3</b> Orthogonal matrix of basis pattern ESPAR antenna with 5 element.....	21
<b>Table 4.4</b> Orthogonal matrix of basis pattern ESPAR antenna with 7 element.....	22
<b>Table 4.5</b> Mutual Impedance Matrix of ESPAR Antenna with 5 Element .....	22
<b>Table 4.6</b> Mutual Impedance Matrix of ESPAR Antenna with 7 Element .....	22
<b>Table 4.7</b> Reactance load of parasitic element of ESPAR antenna with 5 element in <i>Channel-Ignorant</i> .....	23
<b>Table 4.8</b> Reactance load of parasitic element of ESPAR antenna with 7 element in <i>Channel-Ignorant</i> .....	24
<b>Table 4.9</b> Reactance load of parasitic element of ESPAR antenna with 5 element in <i>Channel-Aware</i> .....	26
<b>Table 4.10</b> Reactance load of parasitic element of ESPAR antenna with 7 element in <i>Channel-Aware</i> .....	26