

## LIST OF FIGURES

2.1	satellite communication system configuration . . . . .	9
2.2	Geostationary Satellite . . . . .	10
2.3	Satellite Frequency Bands . . . . .	12
2.4	BRI Satellite . . . . .	16
2.5	Japan Satellite . . . . .	17
2.6	ITU service region. . . . .	28
2.7	Scema of Slant Range . . . . .	36
3.1	Research Flow . . . . .	44
3.2	Overlap Frequency at Uplink and Downlink Ku-Band Frequency . .	46
3.3	Footprint Coverage BRIsat. . . . .	46
3.4	Footprint Coverage JCsat-1C at Asia Pacific . . . . .	50
3.5	Single entry interference (SEI) protection criteria for FSS . . . . .	57
4.1	Coverage Overlap . . . . .	70
4.2	Effect of Increasing HPA Power in BRIsat Uplink. . . . .	71
4.3	Effect of Increasing HPA Power in BRIsat Downlin. . . . .	73