

LIST OF TABLES

Table 2. 1 Satelit Ka-Band.....	16
Table 3. 1 Total Spectrum Allocation.....	28
Table 3. 2 Ku- and Ka-Band Uplink and Midpoint Frequency (iDirect,2014).....	30
Table 3. 3 Ku- and Ka-Band Downlink and Midpoint frequency (iDirect, 2014).....	30
Table 3. 4 Symbol Information.....	31
Table 3. 5 Assumption Of HTS	32
Table 4. 1 Frequency Allocation for Downlink Ku-band.....	33
Table 4. 2 Frequency Allocation for Uplink Ku-Band	34
Table 4. 3 Frequency Allocation for Downlink Ka-Band.....	34
Table 4. 4 Frequency Allocation for Uplink Ka-Band	34
Table 4. 5 Assumption Value for Ku-Band	35
Table 4. 6 Assumption Value for Ka-Band	36
Table 4. 7 Radius Beam	36
Table 4. 8 Link Budget Forward Uplink Ku-Band.....	43
Table 4. 9 Link Budget Forward Uplink Ka-Band	44
Table 4. 10 Link Budget Forward Downlink Ku-Band	45
Table 4. 11 Link Budget Forward Downlink Ka-Band	45
Table 4. 12 Link Budget Return Uplink Ku-Band.....	46
Table 4. 13 Link Budget Return Uplink Ka-Band.....	47
Table 4. 14 Link Budget Return Downlink Ku-Band.....	48
Table 4. 15 Link Budget Return Downlink Ka-Band.....	49
Table 4. 16 Link Check in Average Rain Rate Indonesia.....	50
Table 4. 17 Capacity Ku-Band.....	51
Table 4. 18 Capacity Ka-Band.....	51
Table 4. 19 Capacity Based on Modulation Ku-Band	53
Table 4. 20 Capacity Based on modulation Ka-Band.....	55
Table 4. 21 HDLP and HDPP	64

Table 4. 22 Bandwidth Cost Index and Transmit Power Cost Index (Existing).....	65
Table 4. 23 BHP Ku-Band and Ka-Band (Existing).....	65
Table 4. 24 New BHP ISR Ku-Band and Ka-Band	67