

LIST OF TABLES

1.1	Frequency band designation[3].	3
2.1	Advantage and Disadvantage of Yagi Antenna	23
3.1	Pin Functions of IC LM 386	33
3.2	Hardware (electronic components)	33
3.3	Software PROTEUS 8.0	34
4.1	Measurement Analysis with oscilloscope	39
4.2	Measurement result of Gain Antenna with Oscilloscope	39
4.3	Result in formula	40
4.4	Result In Design	40
4.5	Simulation and field test results comparison	41
4.6	Standards and tolerances using external test equipment for calibration	42
4.7	comparison antenna array receiver directional and YAGI	43
4.8	comparison antenna array transmitter directional and YAGI	44

