

CHAPTER FIVE

CONCLUSION AND RECOMMENDARIONS

5.1 Conclusion:

In this project, Implementation of automatic satellite dish positioning to multiple satellites, Android application was used for calculating the look angles then the application will send these computed angles after they are divided by the motor step angle to ARDUINO using Bluetooth. When the data reach the ARDUINO then It will generate two signals that cause the motors to rotate to the desired angles. The dish is now on the desired angles and the user will receive a strong signal. The performance of the system is evaluated using Serial Monitor for several scenarios.

5.2 Recommendations:

There is a number of features that aren't included due to leak of time. These features will ultimately improve the performance. These features are:

- The developed system is for stationary purposes only and can't be mounted in a moving object. Future development should allow for supporting a moving objects.
- The developed system is based on look angles calculations that were computed in reference to the sea surface. Future system must use altitude from the sea surface to compute the look angles.