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Design and Implementation of CubeSat Station Subsystem

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The purpose of this project is to demonstrate CubeSat Ground Station. The Ground Station is responsible for sending commands (Voice or image) to the satellite and receiving all data from satellite (Telemetry information) then analysis all data received to insure the data are received corrected and take the corresponding action according to the analysis. A simulation analysis is carried out for the analysis by Arduino Mega 2560 and C + program. The analysis carried for received and transmitted image from ground station to CubeSat and telemetry. Also analysis carried out for check the data by cyclic redundancy code. The results show that it's extremely data verification.