

Ronnarone Ramunjite, Lieutenant Commander 2010: Antenna Tracking System Using GPS. Master of Engineering (Electrical Engineering), Major Field: Electrical Engineering, Department of Electrical Engineering. Thesis Advisor: Associate Professor Nuttaka Homsup, Ph.D. 46 pages.

A study of the commonly used Global Positioning System and its corresponding is covered in this work protocol for writing programming to get informations from GPS. Using T. Vincenty's formula calculate Azimuth between 2 points. Directional Antenna can be controlled by C-Programming that known Azimuth and latitude longitude between 2 points. Finally design the control box to use. A design of direction-controlled antenna is proposed. The receiving antenna involves the GPS positioning data to determine the direction of the transmitter then points mainlobe to the proper direction. T. Vincenty's formula is used to calculate the azimuth and the control box is programmed by using c-language.

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Thesis Advisor's signature