

**STUDY THE CHARACTERISTIC OF ANTENNA BY DIFFERENT
MATERIAL ON SIMPLE ADS-B RECEIVER**

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MAY 2013

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ACKNOWLEDGMENT

In the name of Allah, The Most Gracious, The Most Merciful. Praised be to Prophet Muhammad S.A.W, his companions and those who are on the path as what he preached upon. My everlasting thanks to Allah for granting me motivation and strength to finish my final year project and thesis.

First of all, I wish to express my profound gratefulness and appreciation to my final year project supervisor, Mr. Masnawi Mustaffa for his patient guidance and support throughout of all my project work. He has been my mentor for help and gives valuable advises in completing this project.

I also would like to add a few words to express my thanks to my parents for their motivation and inspiration and providing me all time help which has made me to come on this platform.

To conclude, my best regards and thanks are due to them to whom I have forgotten to mention who helped me directly or indirectly in the completion of this thesis report successfully and also for the preparation of this report. Thank you so much.

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ABSTRACT

This thesis presents, study the characteristic of antenna by using different material on simple ADS-B receiver. In the recent years, the era of aviation technologies is come into a new technology to provide specialized Air Traffic Management (ATM) system. Nowadays, the air traffic is expected to increase that may be a higher in certain area of the country. As to fulfilled requirement of ADS-B system, the antenna configuration is needed to be determined in terms of elements in array. In this paper presents, study the characteristic of antenna by using different material on simple ADS-B receiver for implementing these systems and the benefits that were achieved. By doing this project, aluminum and copper antenna is needed to identify the effect on simple ADS-B receiver. Different antenna material will produce different result on the sbsplotter.

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