

5 Conclusion

A design of a wideband patch antenna has been proposed based on the knowledge of Yagi-Uda antenna and the conventional patch antenna. The effective bandwidth of 3dB axis ratio was 0.7GHz at frequency band 10GHz. any multimode was not found between 5 ~ 15 GHz. The position of feed point was decided without critical adjustment. This antenna will be utilized to compose patch array antenna and used for positioning and other wide area of environmental measurement.

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