

# Review of: "Investigations on Input Impedance and Radiation Pattern of a UWB Antenna for Microwave Imaging"

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Potential competing interests: No potential competing interests to declare.

1. In the antenna structure figures, the x-y-z directions are nowhere shown. They should be clearly indicated.
  2. The level of rejection band should be mentioned. Is it sufficient to reject the proposed frequency band?
  3. In the radiation pattern, the cross-polar levels are how much below the co-polar level. Mention clearly.
  4. In any UWB antenna, the time domain study is mandatory, which is not found in the manuscript.
  5. In the VSWR study, the response should be from VSWR=1, as the value of VSWR cannot be less than one.
  6. The citations should be updated and cited properly.
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1. In Fig.1, it shows the wide band ranging from 4.5GHz to 9GHz, whereas in the VSWR study, it shows up to 14GHz.  
Both studies should be proper.
  2. Some mathematical analysis should be included for the insertion of the reflector.