

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.

This paper presents the investigations into the Input Impedance and Radiation Pattern of an Ultra-wideband (UWB) antenna. Here are some comments about it:

- The authors presented, in Figure 1, the simulated reflection coefficients among the proposed antenna and two other types of antennas, without presenting the specifications of the first one.
- Figure 2 is too big and should have the dimensions of the antenna. Its description is on another page.
- Figure 4 was not called in the text. There is a format problem with it.
- Figure 9 was not called in the text.
- In Section 3 – Materials and Methods, the Network Analyzer used in the measurements was not specified.
- Figures 23 and 24 were not called in the text.
- The authors did not describe how the proposed antenna was designed.
- Although the authors mentioned in the abstract that they investigated the impedance of the UWB antenna, no study on this subject was carried out throughout the text. It was only limited to commenting on the good impedance matching of the antenna in some frequency bands.