

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. The authors should compare the performance with the latest references on UWB antennas. The advantages of the antenna proposed in this paper are also explained.
2. The authors claim that the proposed antenna is in the range of 4-10.6GHz and has a reflection coefficient below -10dB, which does not match the situation in Figure 1.
3. The authors say the proposed antenna could be used for microwave imaging. What are the requirements of microwave imaging for antenna input impedance and radiation pattern?
4. As can be seen from FIG. 10, after loading FSS, the antenna's reflection coefficient improved at low frequency, but deteriorated at high frequency. Why?