

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.

Small-sized bandpass filters with sharp transition bands, low insertion loss, and high return loss are necessary for channel communication systems. Many microwave circuit designers are trying to make them better. In this manuscript, a more simply structured bandpass filter based on terminated three coupled lines has been discussed, which is with high selectivity through odd and even-mode analysis. The filter consists of three coupled lines loaded by open and short circuit stubs. One type of bandpass filter based on a terminated coupled line structure is theoretically analyzed, simulated, and measured. Very good results have been obtained.

The design principles are accurate, and the design process is clearly analyzed. The experiment verifies the reliability of the design. The reviewer recommends that this manuscript is acceptable for publication.