Abstract

In this paper the analysis of the different types of input impedance matching network for realization of efficient RF energy harvesting circuit. In mobile application like wireless sensors there is issue of long term power backup and charging of batteries. In this paper, there is design to matching circuit compatible for RF energy harvesting by using L-section to proposed for obtaining the signal bandwidth 900MHz with a noise figure of 4.8 dB. L network is working as resonating frequency (900MHz) as well as matching network at resonant frequency.
Analysis of Different Matching Technique for realization of Effective RF Energy Harvesting Circuit

- Praharshin M. Senadeera, James Greggs, Zhijian Xie, and Numan S. Dogan, Meng Li, and Nader Behad, and Hriseyn S. Savci. "X-Band Energy Harvester with minaiaturized on chip Slot Antenna Implemented in 0.18m RF CMOS. 978-1-4577-2032-1/12,2012IEEE.
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