Impedance Characteristics of Log Periodic Antenna

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Abstract

Log Periodic array Antenna is one of the most important and commercially used antennas for T.V. reception. It is used in VHF and UHF bands. Although the analysis of this antenna is reported in literature, the data of self impedance & mutual impedance is not fully available. But, this data is useful for the optimal design of the antenna. In view of this the array above is
considered and the analysis is carried out in the present work. The computed data for Self-Impedance as a function of lengths of elements and frequency and the Mutual Impedance as a function of spacings of elements is presented.

Reference

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Key words

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