

Abstracts

An Active Square Loop Frequency Selective Surface

*T.K. Chang, R.J. Langley and E.A. Parker. "An Active Square Loop Frequency Selective Surface." 1993 *Microwave and Guided Wave Letters* 3.10 (Oct. 1993 [MGWL]): 387-388.*

An active frequency selective surface incorporating PIN diodes as switches is discussed. Waveguide simulation studies show that the frequency response of the surface can be electronically switched from that of a reflecting structure to a transmitting structure. A semi-empirical model based on a series connected LC equivalent circuit approach gives agreement with measurements.

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