

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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