

Abstracts

A Dual-Frequency Band Waveguide Using FSS

R.J. Langley. "A Dual-Frequency Band Waveguide Using FSS." 1993 Microwave and Guided Wave Letters 3.1 (Jan. 1993 [MGWL]): 9-10.

A waveguide is described that propagates at two-frequency bands with low loss and good bandwidth. The structure is achieved by the simple insertion of a frequency selective surface to form a guide within a guide. The transmission response is tailored by the response of the FSS. The technique lends itself to other waveguide geometries and many combinations of frequencies can be accommodated.

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