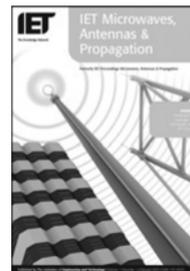


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Wideband flat-plate inverted-F laptop antenna for Wi-Fi/WiMAX operation

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Abstract: A novel printed wideband flat-plate inverted-F antenna is presented. The antenna is simply structured and narrow and can operate as an internal laptop antenna over multiple Wi-Fi and WiMAX frequency bands. The antenna was studied by means of numerical simulations. The predicted achievable -10 dB return loss bandwidth of the antenna is confirmed and demonstrated by experimental measurements.