

Portable Electronic Device Detector

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Abstract: Locating portable, electronic devices prior to critical flight periods is an issue with no calculable solution. Current restrictions deny use of most signal-transmitting electronics during critical flight periods, though many are inclined to disregard these restrictions. Passenger indifference poses a potential threat to plane communications systems. In this work, a simplified RF detector is used to alert flight attendants to activated portable electronics. The paper will describe the circuitry and theory involved in device development.

Keywords: portable electronic device, RF detector

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