

Abstracts

Hidden Electronics Detection

M.K. Ferrand. "Hidden Electronics Detection." 1988 MTT-S International Microwave Symposium Digest 88.2 (1988 Vol. II [MWSYM]): 1035-1038.

The recent bugging of the U.S. embassy in Moscow has caused widespread attention to be focused on eavesdropping as a modern security threat. A brief history of electronic eavesdropping is given, and techniques used by persons wishing to gain confidential information are described. Various methods of detecting RF transmitting devices are explained and the limitations of conventional means for locating them. A device capable of transmitting an extremely pure fundamental signal and "listening" to harmonic signal reflected by semiconductor devices will be explained and demonstrated. The theory of operation is described and description of the electrical circuits will be given.

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