

Abstracts

A low-cost active transceiving antenna

A.K.Y. Lai and J.H.H. Ng. "A low-cost active transceiving antenna." 1998 MTT-S International Microwave Symposium Digest 98.2 (1998 Vol. II [MWSYM]): 1047-1050.

This paper investigates the design of a compact injection locked active transceiving antenna. This transceiver is well suited for low power and low cost wireless applications. A center-slotted square patch antenna, two bipolar transistors and a dual gate FET are used. The antenna operates at 1.4 GHz with 4.39 dB gain and a maximum usable sensitivity of -97 dBm.

 [Return to main document.](#)