Abstracts

A More Than 4-Percent-Efficiency Solid-State Transmitter for a 4-GHz Radio Relay (Short Papers)

Y. Kitahara, T. Kyuzaki and R. Tamura. "A More Than 4-Percent-Efficiency Solid-State Transmitter for a 4-GHz Radio Relay (Short Papers)." 1974 Transactions on Microwave Theory and Techniques 22.12 (Dec. 1974, Part II [T-MTT] (1974 Symposium Issue)): 1305-1308.

An FM transmitter having 220-mW output power and 5-W total dc input power and operating in the 4-GHz band has been developed. This transmitter provides a dc-to-RF signal-conversion efficiency of more than 4 percent. Featuring low power consumption and high reliability, this transmitter is suitable for use as a transmitter or an exciter for radio relay of a maximum of 1380 channels.

❑ Return to main document.