

Abstracts

Circuit to aid tuning of Class-E amplifier

W.H. Cantrell. "Circuit to aid tuning of Class-E amplifier." 2000 MTT-S International Microwave Symposium Digest 00.2 (2000 Vol. II [MWSYM]): 787-790.

The problem of tuning a high-Q Class-E amplifier is addressed. It can not be tuned for maximum output power without degrading efficiency. A novel modification is made to the design so that it can be tuned for maximum output power while maintaining maximum efficiency. Simulation data is shown. Measured data is provided at low frequencies.

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