

## 주기경계를 갖는 마이크로파 발생장치 연구

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### **A Study of a period boundary by microwave generator**

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**Abstract :** The characteristics of slow wave structure employed for backward wave oscillator expected to be a high power microwave source are studied analytically. The slow wave structure is a sinusoidally corrugated wall waveguide. The waveguide is designed and transmitted characteristics for microwave are measured in the air. There exist literatures on high efficiency of enhanced radiation from backward wave oscillators involving plasmastudied experimentally another results.

**Key Words :** Slow wave Structure, microwave, backward wave oscillator