

# Abstracts

## Gain of the Gyrotron with High Circular Waveguide Mode (Whispering Gallery Mode)

---

*S. Ahn and J. Choe. "Gain of the Gyrotron with High Circular Waveguide Mode (Whispering Gallery Mode)." 1980 MTT-S International Microwave Symposium Digest 80.1 (1980 [MWSYM]): 102-103.*

One of two Russian efforts to increase gyrotron output power has been to experiment with oscillator devices utilizing high order resonator modes, particularly the whispering gallery modes. We present the result of design analyses for this case and some design parameters will be given at the end. The potential application of whispering gallery modes in the solid-state gyrotron is also briefly described.

 [Return to main document.](#)