

EFFECT OF OPERATING CONDITIONS  
ON ELECTROMAGNETIC FIELDS  
OF A MICROWAVE PLASMATRON

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S u m m a r y

We present the experimental investigation of the electromagnetic field in a microwave 10 GHz plasmatron. The influence of feeding modes on internal and external electromagnetic fields in plasma is investigated. We demonstrate the possibility of using a vibrating string as a small perturbation body for measuring the electric field component inside the plasma flow.