

Abstracts

Dual Reflex Klystron Cavity-Beam Interaction (Correspondence)

J.J. Hamilton. "Dual Reflex Klystron Cavity-Beam Interaction (Correspondence)." 1966 Transactions on Microwave Theory and Techniques 14.4 (Apr. 1966 [T-MTT]): 209-210.

While the occurrence of spurious resonances, or the detection of harmonic content, is not uncommon in reflex oscillators, the particular case wherein the tube performs reflex klystron functions at two different frequencies has not been reported heretofore. This phenomenon was observed in the course of a search for spurious output signals conducted on Raytheon QKK754 CW communication klystrons. X-band output was detected from these tubes using the RF equipment shown in Fig. 1.

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