

# Abstracts

## Experimental Studies of the Losses and Radiations Due to Bends in the Goubau Line

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J. Chiba. "Experimental Studies of the Losses and Radiations Due to Bends in the Goubau Line." 1977 *Transactions on Microwave Theory and Techniques* 25.2 (Feb. 1977 [T-MTT]): 94-100.

The losses due to the bending of the Goubau line (G line) are determined by experiments. The losses are measured for wide ranges of radius of curvature, bending angle, and the transmission frequency. These three variables determine the losses. It is believed that radiation from a surface-wave transmission line system occurs mainly from the bends and horn in the transmission line system. Directional patterns of such radiation were obtained from measurements.

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