

12.1: Introduction

We have seen that Maxwell's equations predict that electromagnetic waves are possible. We would like to understand how electromagnetic waves are created. We will explore a basic model of an **antenna**. However, in practice, antennas not usually connected to radios directly, but instead are connected with a cable called a **transmission line** or **feed line**. We will explore a simple model for how a transmission line can transfer electromagnetic energy through it from one end to the other.

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