

Communications Antennas

Design, Research, and Development



Engineering Design Solutions

NuWaves Engineering

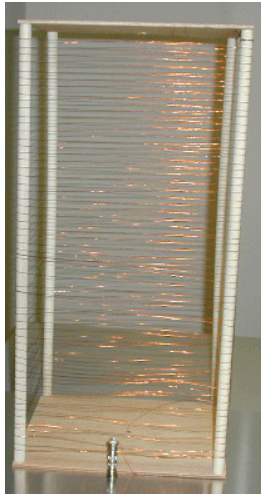
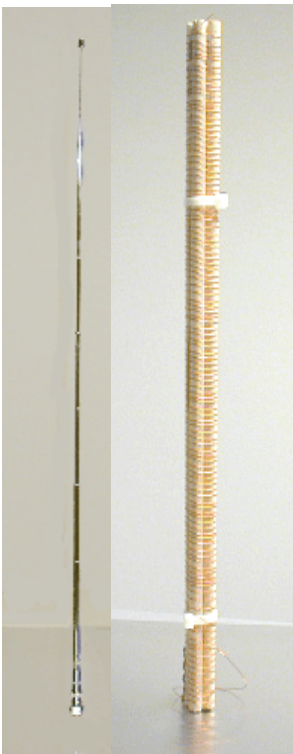
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DESCRIPTION

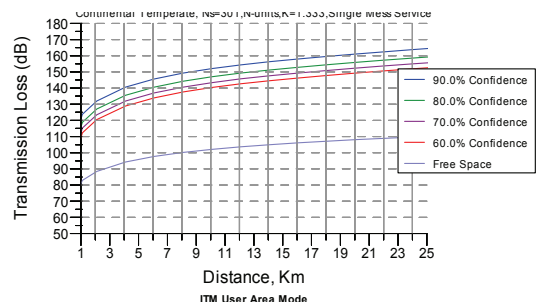
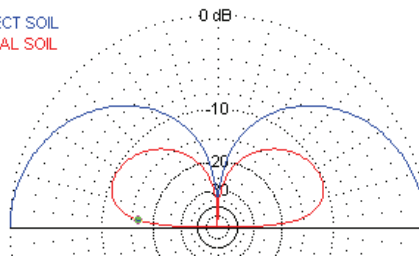
NuWaves Engineering combines solid analytical antenna design with innovative, “out-of-the-box” implementation techniques. Our experience and knowledge base draws from both the tried and true techniques developed over the years and cutting edge technology only recently available.

Antenna design is critical to successful deployment of wireless communications. The antenna must support communication links across widely varying environments; from jungles to deserts to mountains and everything in between. Several factors that must be accounted for in the design of ground-based antennas are soil conditions, terrain variation and natural or manmade obstacles. The antenna design must address these factors.

NuWaves Ltd. uses years of experience and powerful analytical tools to design and simulate ground-based antennas and communication equipment. Successful antenna designs include innovative techniques to reduce antenna visibility and adapting to the unique effects of diverse antenna deployments.



...PERFECT SOIL
...TYPICAL SOIL



Applications:

- Antennas for Military, Government, Commercial, and Industrial applications.
- Research and Development of Novel Antenna Designs.
- Covert Antennas
- Prediction of path loss using models and through the compilation of empirical data.
- Low Frequency Antenna designs.
- VHF and UHF Custom Antennas.
- “In Earth” Antenna Communication Techniques.
- Innovative Designs.
- Build to Print.

Outsource your RF Requirements - Contact NuWaves today!