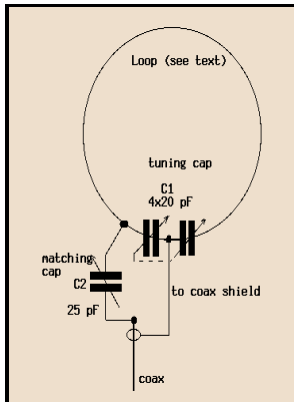


# Loop antennas - design and theory.

NRC Publications - Antenna Theory: Analysis and Design



Description: -

- Radio -- Antennas -- Design and construction. Loop antennas - design and theory.

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## Building a 40m Delta Loop Antenna

So, we embarked on a process of cutting the loop shorter and shorter for SWR measurement and tuning.

## Airspy Youloop and Homebrew Passive Loop Antenna designs

It couples to the of the radio wave in the , in contrast to and which couple to the of the wave. Available from the National Radio Club P. What I find is if, for example, I use the original SDRplay RSP with the loop, it works, but not all that well.

## Antenna Theory

This enables NVIS communication up to 300 km in mountainous regions. Further Testing and Questions A few questions about this loop remain. Technically speaking, a loop antenna responds to the magnetic field rather than the electric field.

## About Loop Antennas

First, the shield doesn't shield or filter the time-varying electric field. They may be used for transmission and reception, although antennas that are very small compared to the wavelength are very inefficient radiators, and so are only used for reception. We also got more sophisticated about SWR tracking when we began tuning the loop length.

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