

Re: RF Detector? RF Power measurement?

Source: <http://sci.tech-archive.net/Archive/sci.electronics.design/2005-02/4397.html>

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Date: 02/19/05

Date: Sat, 19 Feb 2005 13:26:12 +1100

"SUDHAKAR" <india_sudhakar2001@rediffmail.com> wrote in message
news:6a85213a.0502180850.138f975@posting.google.com...

- > *I'm trying to design RF signal strength detector as my project. Can*
- > *anyone tell me about the design? I got a circuit from net, but it has*
- > *the blocks RF DETECTOR & BIAS. Can anyone explain what do they mean?*
- > *please give me the details.*
- >
- > *Sudhakar.*

For some ideas, try Google on "Field Strength Meter". This will show you schematic of diode detectors with small pickup antennas. Also the ARRL and RSGB handbooks have schematics.

To detect small RF signals, you may want to bias the detector diode in the forward direction, to overcome the "diode drop" effect.

Chances are your meter does not have to accurately read field strength in volts per meter, but if you do want to calibrate it, a key word is "Effective Length" of your rod or dipole antenna.

Roger