

Re: Measuring how dirty the power is

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- *From:* "Dan H" <dan.hollands@xxxxxxxxxx>
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Bryan Martin wrote:

Voltage has remained stable. I have also attempted to place a 10ohm resistor in series with the supply along with a 10uf capacitor from VSS to ground to try to clean it up but that didnt work either. In the data sheet it says I need to keep the noise and "hash" below 20mV for which I was trying to see how I could see the 20mV without a scope.

I am using a 12volt DC power supply which hits a voltage regulator to knock the voltage down to 5V for the module. I have tested this with no other components other than the transmitter/recv'er and also by using the above reference to try to clean it up all w/out success. Voltage stays constant from power up and during transmit. Can you think of anything else?

Well you could try switching the meter to AC and see if you read anything both at the 12V and 5V point. If it is ripple the regulator should take care of it but if it is spikes they may be passing thru regulator. Try some capacitance on both the input and output of the regulator.

Also check your grounding. how far apart are the devices?

It is really tough to solve this kind of problem without knowing what is really going on.

Dan H

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