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Wireless Packet Info

Example:

```
Received (RX) 72824 OK, 36413 errors
Transmitted (TX) 30792 OK, 1 errors
```

In my wrt54g if i chose the right antenna for reception and the left one for transmiision the number of error fell even if i use my bluetooth headset

How can one avoid all these errors?

- Do a site survey under **Status -> Wireless** and find out what channels in your area are NOT being used and set it in your **Wireless Basic configuration**. Also setting the wireless Channel to **Auto** will dynamically config the channel and channel width. Much more user friendly feature for basic users.
- Selecting an unused channel works, but one must choose a channel that is two channels (10Mhz) separated from the the adjacent occupied channel. There will still be interference with one channel separation.
- The bottom line is that the high RX error rate is due to **Radio interferences from neighboring Wi-Fi, Bluetooth, Cordless phones, Cellular phones, Speakers, Microwave Ovens, Fans, and even Florescent lamps**. If this is happening to your AP, you may want to tweak the Channel, Bluetooth coexistence mode, **and dissociate the AP from any sources of interference**.

Another important Aspect

Placing the router in the **highest** area possible is essential, as this will provide greater radio coverage.

For routers with **external** antennas, orientation of the antenna(s) is **very important**.

- For **Single** antenna models, it should be placed **90°** (L Shaped) with respect to the flat side of the router.
- For **Dual** antenna models, the orientation should be **120°** (V Shaped) with respect to the flat side of the router.

Wireless_Packet_Info_-_RX/TX_Errors

- For **Multiple** antenna models, they should be oriented at **45°**. (W Shaped) For example, on an Asus WL500W the middle antenna should be angled at **90°**, and the other antennas should be separated at **45°** angles.