

From: "jeffrey E." <jeevacation@gmail.com>
To: Richard Kahn <[REDACTED]>
Subject: Re: Speed tests
Date: Wed, 17 Feb 2016 00:06:48 +0000

Brice tells me there is fiber to the crest at 100 mb . Nuts

On Tuesday, 16 February 2016, Richard Kahn <[REDACTED]> wrote:

James believes we can increase Zorro speeds by 50 percent by upgrading modem. He anticipates cost of modem to be no more than 1,000. Please advise if ok to proceed. Thank you.

Richard Kahn
HBRK Associates Inc.
575 Lexington Avenue, 4th Floor
New York, NY 10022
Tel 212-971-1306
Fax 646-350-0954
Cell 917-414-7584

Begin forwarded message:

From: james ce | personal genius <[REDACTED]>
Date: February 16, 2016 at 6:54:30 PM EST
To: Richard Kahn <[REDACTED]>
Subject: Fwd: Speed tests

These results aren't as dramatic as [REDACTED] hoped, but they do demonstrate a significant improvement between using the slower modem that is running the house wifi and the faster one inside the JetPack.

We can upgrade the house wifi modem to a newer model (that supports XLTE and carrier aggregation) without messing with the antennae (read: no need for a professional installation), so the total cost should be well under \$1000 (probably \$300 - \$600 range depending on what hardware we decide on).

At worse, we'd squeeze 50% more speed out of the VZW connection for the house wifi network.

If the boss wants to pursuit this, I can (do my best to) manage the upgrade & installation with Brice and Feeney.

 James Ce, your Personal Genius,
<http://personalgenius.us>

Begin forwarded message:

From: [REDACTED] <[REDACTED]>
Subject: Re: Speed tests
Date: February 16, 2016 at 3:36:37 PM EST
To: "james | personal genius" <[REDACTED]>

LTE averaged 13 down, 12 up

Jetpack, 19 down, 10 up

please note jetpack is very location specific

hope this helps, let me know if you need any other info

regards Brice

On Tue, Feb 16, 2016 at 12:33 PM, james | personal genius <[REDACTED]> wrote:
Hi Brice,

When you have time -- no rush here -- could you please do a couple speed tests (speedtest.net) on your laptop on the main house wifi and a couple on one of the jet packs in the kitchen?

Randomly I picked up a client in the city that was in a similar situation -- hurricane Sandy knocked out their phone lines and Verizon isn't fixing them and their neighbors' landlord won't let TimeWarner run through that building to get service to theirs -- so I set them up with a Verizon Wireless modem & router from Feeney Wireless similar to the one you've got there.

Along the way I learned way more about VZW than I'd ever wanted. Specifically, their XLTE network is actually just LTE running over a faster band 4 spectrum (it allows faster data, but doesn't travel as far, thus they're running on dual bands in most locations).

They also introduced something called "Carrier Aggregation", which allows a single device to open multiple connections to a tower's unused bandwidth thereby doubling the connection speed to the device.

VZW rolled both of these out around the time I was there, so if I'm right, the Jetpack is likely to support both, while the Feeney Wireless modem doesn't support either. If this is the case, the jet packs will test in the mid 20s Mbps, while the wifi will max out in the low teens.

The good news is that the upgraded FW modem that would support both XLTE & CA is only a couple hundred bucks and could be swapped for the old one without any real configuration changes.

I'm pretty sure Jeffrey would want to upgrade, but before I suggest it to him, I'd like to have the speed tests to confirm that it will make a difference.

Like I said, no rush. I'm sure you have much more urgent things on your plate.

Thank you,

 James Ce, your Personal Genius,
<http://personalgenius.us>

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Stanley, NM

Ph: (505) 934 2809

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please note

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