

FCC 02-325

My PC Expert is New Jersey's wireless broadband service Provider. My PC Expert serves the business and residential community. My PC Expert supports the allocation of additional spectrum, particularly at the lower frequencies, for use by wireless service providers for the delivery of competitive data services to the business and residential community. Insuring adequate spectrum for the delivery of High Speed data services is of key concern for the delivery of true broadband speed service (over 4Mbps to each subscriber). Lower frequencies that have ability to get through trees, and other Such obstacles are also important. Unlicensed Fixed-wireless broadband is one of the few, if not the only viable solution that is truly competitive to the monopoly controlled Telco and cable networks. Opening up additional spectrum and fostering additional deployment of Fixed wireless broadband services are an important step in expanding broadband throughout the country.

As a WISP we need a frequency that is interference free and can Deal with trees. The 2.4 Frequency is giving us problems because Of interference from wireless Lans. The 5 GHz frequencies are very Poor when it comes to dealing with line of sight issues. The 900 Mhz frequency is too close to the paging frequencies which also Interferes with wireless equipment. I've tried most of the Available unlicensed frequencies. 900 Mhz will go through trees Allowing us to cover more areas and reach more customers. Licensed frequencies are too cost prohibited (look at the mmds & lmds providers) to deploy a viable solution, if we had an unlicensed Band for Internet only. Citizens would have another alternative To cable or dsl, I can see this competing and bring down the cost Of broadband service today. I have about 180 customers right now, If I had a non-line of sight product I would have 5 to 10 times That many customers. (Like I said I tried the 900 MHz frequency and Scrapped it due to interference from pagers)