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Sent: 8/29/2024, 1:22 PM  
To: [bead@ntia.gov](mailto:bead@ntia.gov)  
Subject: Proposed BEAD Alternative Broadband Technology Guidance

I am writing to advocate for the recognition of unlicensed fixed wireless broadband services, particularly those operating in the 60 GHz millimeter wave frequency band, as a reliable and efficient solution for expanding broadband access.

Unlicensed fixed wireless technology, especially in the 60 GHz spectrum, offers a high-capacity, cost-effective alternative to traditional wired solutions. The ability to deliver gigabit-speed connections makes it an ideal choice for urban, suburban and even rural deployments where line-of-sight connectivity is feasible. This technology is capable of meeting the increasing demand for high-speed internet, both for residential and business users.

Moreover, to overcome the range limitations inherent in the 60 GHz spectrum, some vendors have integrated backup radios operating in the 5/6 GHz spectrum. These backup radios provide additional reliability by enabling longer-range links up to 3 miles, ensuring continuous service even in challenging environments. This approach enhances the resilience of 60 GHz deployments, making them suitable for a broader range of applications.

In addition, advancements in beamforming and modulation techniques have significantly improved the reliability and performance of 60 GHz fixed wireless systems, even under varying weather conditions. This makes unlicensed fixed wireless a dependable option for providing high-speed broadband, particularly in areas where rapid deployment is necessary.

I believe that unlicensed fixed wireless services in the 60 GHz millimeter wave band, supported by 5/6 GHz backup radios, should play a vital role in the nation's broadband strategy. I encourage NTIA to support policies that facilitate the development and deployment of these technologies, ensuring that all Americans have access to reliable, high-speed broadband.

Thank you for your attention to this important issue.

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