



FEDERAL COMMUNICATIONS COMMISSION
WASHINGTON

OFFICE OF THE
CHAIRWOMAN

November 17, 2023

The Honorable Anna G. Eshoo
U.S. House of Representatives
272 Cannon House Office Building
Washington, DC 20515

Dear Representative Eshoo:

Thank you for your ongoing interest and correspondence regarding the decision of the Federal Communications Commission to expand unlicensed devices throughout the 6 GHz band (5.925 - 7.125 GHz). As you are aware, in 2020 the Commission expanded unlicensed use in 1,200 megahertz of spectrum between 5.925 and 7.125 GHz. That action helped usher in faster speeds and lower latency with Wi-Fi 6E, set the stage for the next generation of Wi-Fi with Wi-Fi 7, and helped grow the Internet of Things. Since the Commission's initial 6 GHz rules became effective, we have seen a tremendous expansion in devices in the band for indoor use. Wi-Fi 6E devices are now widely available on the market and their use is growing in both homes and businesses. In the interim, the Commission's staff has worked to resolve court challenges to this decision, and address engineering issues and incumbent concerns in order to ensure that these airwaves continue to be available for the uses permitted in 2020.

On October 19, 2023, the Commission took another big step to grow opportunities in the 6 GHz band. The agency voted to adopt the *6 GHz Report and Order, Memorandum, Opinion and Order on Remand, and Further Notice of Proposed Rulemaking*, which allowed new operations in the band, proposed further expansion of these operations, and resolved a range of outstanding issues raised by incumbent users of this spectrum. Specifically, this decision opens 850 megahertz of the 6 GHz band to small mobile devices at very low power while also safeguarding incumbent rights. We also proposed expanding operation of these very low power unlicensed devices to the remainder of the 6 GHz band and permitting a geofencing system that would permit more operational flexibility at higher power levels.

Thanks to this and our prior work, in the United States we now have unlicensed airwaves in the 6 GHz band that include a mix of high capacity and low latency ideal for immersive, real-time applications, new wearable technologies, and expanded access to augmented and virtual reality. I am confident that the *Order and Further Notice* will spur the rollout of a broad range of cutting-edge applications so that the United States can lead the world in the innovation possible in this band.

I appreciate your interest in this matter. Please let me know if I can be of any further assistance.

Sincerely,

A handwritten signature in black ink, appearing to read "Jessica Rosenworcel", with a long horizontal flourish extending to the right.

Jessica Rosenworcel