

FORM 422

EXHIBIT 1

QUESTION 7: PURPOSE OF EXPERIMENT

On April 23, 2020 the FCC adopted a Report and Order (R&O) and Further Notice of Proposed Rule Making (FNPRM) in the matter of Unlicensed Use of the 6 GHz band; ET Docket 18-295 and Expanding Flexible Use of Mid-Band Spectrum Between 3.7 GHz and 24 GHz; Docket 17-183.

The R&O authorized two different types of unlicensed operations: (1) Standard-power Access Points (APs) using an automated frequency coordination (AFC) system -- these APs can be deployed outdoors as part of hotspot networks, rural broadband deployments, or network capacity upgrades where needed. (2) Indoor low-power APs for connecting devices in homes and businesses such as smartphones, tablets, laptops, and Internet-of-Things (IoT) devices to the Internet. Low-power APs can be deployed indoors immediately. However, Standard-power APs have open technical and operational issues associated with the AFC system, which are addressed in the FNPRM.

The purpose of this application is for Encina Communications Corporation to work with its partner Coastline Wireless LLC, owner and operator of the equipment, to investigate Expanding Flexible Use of Mid-Band Spectrum while ensuring that licensed services operating in the band continue to thrive.

We plan to conduct experiments in Portland, Maine, on the use of a Hybrid Network -- Unlicensed/Licensed Point-To-Multipoint Station (AP) with unlicensed Fixed Wireless Access (FWA), nomadic and mobile Clients -- in the 5.925 – 6.425 GHz band.

To assure safe use of this network, we will perform an interference analysis based on the National Spectrum Managers Association's recommendation WG 2.99.052 and standard microwave engineering practices. Then, pursuant to Section 101.103(d) of the FCC rules and regulations, we will issue a Prior Coordination Notice (PCN) for the proposed experimental microwave network to the owners (or their designated agents) of all existing or proposed terrestrial facilities potentially affected by the proposed experimental network, and provide the name and contact information of the stop buzzer personnel that will be available to cease operations in the event of reported interference.