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To: Nimesh Sangani

Date: March 01, 2021

Subject: Additional Information Request

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Message:

Main objectives of research and experimentation planned by AERPAW platform are on a much broader scale, but not specific to CBRS. CBRS is not the only frequency band supported by the platform for experiments, and we will prioritize other bands over CBRS. AERPAW network and equipment are capable of other frequency bands, so the frequency of operation for experiments will be selected based on the availability and requirement. We will use spectrum compliance monitoring sensors and Keysight RF sensors to identify unused frequency channels.

We have been discussing with Federated Wireless on the ways to find and operate on the free frequency channel. From discussions with Federated Wireless, we understood that there are no fixed satellite service (space-to-earth) operating in 3600-3650 MHz in our area (closest one is in Atlanta area), and the PAL users, if any, will be limited to 3550-3650MHz. Moreover, Lake Wheeler, our primary experimental site, is a rural area, and is less likely to have GAA users nearby. For the same above reasons, we will have a high probability of finding user free channels in the upper 50 MHz (3650 - 3700 MHz) of CBRS band. However, our platform has the capability of spectrum monitoring, and we will do "self spectrum monitoring and coordination" to find a free channel that is free from any incumbent and grandfathered users in this band before the experiments.