

From: Ozgur Ozdemir

To: Nimesh Sangani

Date: January 21, 2021

Subject: Additional Information Request

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Message:

With respect to CBRS frequencies 3550-3700 MHz included in this coordination, WTB/Mobility Division requests that the applicant revises its filing to include the following additional information: 1. Explanation of how it would coordinate any usage with a Spectrum Access System (SAS). 2. Explanation of How it would specifically avoid causing interference to incumbent and commercial operations in the band, including General Authorized Access (GAA).

AERPAW Response to FCC:

We are considering various options for operating in CBRS band with experimental license, and we had a detailed discussion with Federated Wireless in this regard. While we understand there are some possibilities of incumbent and grandfathered users as well as PAL and GAA users in this band, from discussions with Federated Wireless

a) there are no fixed satellite service (space-to-earth) operating in 3600-3650 MHz in our area (closest one is in Atlanta area)

b) PAL users, if any, will be limited to 3550-3650MHz

c) Lake Wheeler experimental site, a rural area, is less likely to have GAA users nearby

So, we will have a high probability of finding user free channels in the upper 50 MHz (3650 - 3700 MHz) of CBRS band. Based on these, for immediate use in the short term, we plan to do self spectrum monitoring and coordination (no SAS coordination) to find a free channel that is free from any incumbent and grandfathered users in this band to operate on it.

For the longer term, we will look into the possibility of connecting an authorized SAS from Federated Wireless for Spectrum management and access grant. However, we require FCC permission to operate uncertified radios in this band using the experimental license.

If our renewal is approved, we plan to submit a modification to our experimental license to add 3.3-3.55 GHz band.