

From: Dan Hicks

To: Hung Le

Date: October 21, 2020

Subject: Request for Info - File # 1439-EX-ST-2020

---

Message:

Please provide the following: File Number: 1439-EX-ST-2020

1. Explanation of how it would coordinate any usage with a Spectrum Access System (SAS).

At the time of the subject request, the applicant was not aware of the SAS or the existence of the Citizens Broadband Radio Service, that manages the 3550-3700 MHz band. We formally request that the subject STA request be changed from the desired frequency of 3100 to 3800 MHz RF Band to the RF Band of 3100 to 3500 MHz band to avoid potential interference with CBRS or the users of the 3550-3700 MHz band.

We will be registering with the SAS and possibly registering some of the RF components as a CBRS device (CBSD).

2. Explanation of how it would specifically avoid causing interference to incumbent and commercial operations in the band, including General Authorized Access (GAA).

Requesting less RF Band / Width below the CBRS Band will guarantee no interference issues with CBRS Band Operators / Users.

The reduction in RF Band width will still allow for the testing of associated RF equipment without interference.

The aircraft also has an onboard broadband RF receiver, accessed by a dedicated special mission operator. The real time analysis allows the operator to "scan" the RF Spectrum of interest to avoid transmission in an RF Band already in use. We call it the "good neighbor" policy. Also, the unwanted transmissions will negatively impact our own data. When in operation the aircraft will seek a clean, narrow, RF band to take data which is as important as avoiding other aircraft.