

Hiber Inc.
Experimental Authorization Modification Application

Hiber Inc. (“Hiber”) seeks authority to modify its experimental license authorization (ELS File No. 0704-EX-CN-2018 (granted Dec. 11, 2018)) to add 25 new earth station terminals, as specified in the associated Form 442. The new terminals are “hub” terminals that will receive and combine data from sensors deployed in the field¹ and transmit the combined sensor data to Hiber’s satellite constellation, IBFS File No. SAT-LOI-20180910-00069, Call Sign S3038 (filed Sept. 10, 2018). The hub terminals will also receive transmissions from the Hiber constellation, consistent with the existing authorization.

The maximum transmit output power of the new terminal is 5 W, and the duration of each transmission will be at most approximately 800 ms per sensor associated with the hub terminal, with a maximum of 50 sensors per hub terminal (or a total of approximately 40 seconds of transmission time during each seven minute-duration satellite pass). Each hub terminal will transmit no more than twice per day, corresponding to when the Hiber constellation is in view of the terminal. The technical radiofrequency parameters for the new terminals are otherwise the same as the previously authorized terminals.

The hub terminals likely will be geographically separated and located in remote areas.

¹ The data sensors are commercial-off-the-shelf devices authorized under the FCC’s Part 15 rules.