

Hiber Inc.  
Experimental Authorization Application  
File No. 0443-EX-CN-2021  
Date: June 1, 2021\*

Description of Experimental Application: Hiber Inc., a wholly owned subsidiary of Hiber B.V., a corporation registered in the Netherlands (“Hiber”) requests experimental authority to operate up to 200 experimental user terminals (“earth stations”) for test purposes in the 1626.5-1660.5 MHz (earth-to-space) and 1525-1559 MHz (space-to-earth) frequency band. Hiber requests authority under Section 5.602 of the Commission’s rules to operate a limited number of earth stations for the purpose of engaging in market trials with select partners. These market trials are required to test the earth stations in the field and to determine the commercial viability of the offered services. Market trials will be conducted in conformance with the limitations set forth in Section 5.602.

These terminals have been developed with the full knowledge and cooperation of UK satellite operator Inmarsat, and Inmarsat is aware of and supports the instant application. The earth stations will be operated with space segment leased from Inmarsat on the Inmarsat 4F3 satellite located at 98 degrees West latitude. To connect to the Inmarsat network infrastructure from the terminals located in the United States, Hiber will install ground equipment at the existing, authorized Inmarsat earth station located at Southbury, Connecticut, and will downlink its traffic at that station.

The experimental terminal, known as the “Edge” device, will allow customers to easily install and operate an end-to-end multi-purpose asset tracking device, with data transmitted via the device and presented in Hiber’s own Mission Control dashboards. Assuming the test applications are successful and Hiber applies for and receives a commercial blanket license, Hiber will use the Edge terminals in conjunction with Inmarsat satellites to offer low-cost, low power Internet-of-Things (“IoT) services and solutions throughout the United States, predominantly focusing on rural and remote areas. Among other things, customers will be able to use the connectivity to track (by means of location) their industrial assets whilst the device simultaneously provides data insights for movement detection, shock-vibration, vehicle runtime/idle time & geo-fencing capabilities. The terminals are capable of being used in a range of industries, including but not limited to oil & gas, mining, heavy machinery, transport (trucking and rail), and many other applications.

Satellite Connectivity: Hiber’s earth stations will be communicating with the Inmarsat 4F3 satellite located at 98 degrees West latitude using dedicated beams leased from Inmarsat. The Edge terminal has been designed to operate with the Inmarsat network according to Inmarsat’s technical specifications in full coordination with other operations on this satellite and in this band. The Inmarsat 4F3 satellite is listed on the Commission’s ISAT list. See, *Inmarsat, Inc. Request to Streamline Licensing of L-band Mobile-Satellite Service Terminals Using Inmarsat Satellites as Points of Communication*, Order, 23 FCC Rcd 15268, 15270, para. 8 (Int’l Bur., Sat.

\*This Narrative will replace the previous versions dated May 28 and May 31, which were filed on-line with the Form 442; there does not appear to be a way in ELS to delete previously-submitted attachments, so these earlier attachments should be disregarded.

Div. 2008). See also, *FCC Approved Space Station List*, available at <https://www.fcc.gov/approved-space-station-list> (last visited May 27, 2021).

Non-Interference Basis: Hiber is aware that its operations pursuant to an experimental license must be conducted on a non-interference basis.<sup>1</sup> Hiber will accept any harmful interference received from the operations of authorized stations and will ensure that authorized stations do not receive harmful interference from Hiber's operations. Should any harmful interference occur, Hiber recognizes that it is responsible for mitigating the interference, including ceasing operations if necessary.

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<sup>1</sup> 47 C.F.R. § 5.84