

**United States of America
FEDERAL COMMUNICATIONS COMMISSION
EXPERIMENTAL
RADIO STATION CONSTRUCTION PERMIT
AND LICENSE**

EXPERIMENTAL

(Nature of Service)

WL2XZD

(Call Sign)

XT MO

(Class of Station)

0443-EX-CN-2021

(File Number)

NAME Hiber Inc.

Subject to the provisions of the Communications Act of 1934, subsequent acts, and treaties, and all regulations heretofore or hereafter made by this Commission, and further subject to the conditions and requirements set forth in this license, the licensee hereof is hereby authorized to use and operate the radio transmitting facilities hereinafter described for radio communications in accordance with the program of experimentation described by the licensee in its application for license.

Operation: In accordance with Sec. 5.3(k) of the Commission's Rules

Station Locations

(1) MOBILE: Continental United States

Frequency Information

MOBILE: Continental United States

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
1626.5-1660 MHz	MO	25K0G1D	3.09 W (ERP)	1 %
		50K0G1D		
		12K5G1D		

Special Conditions:

- (1) All transmitting and/or receiving equipment used in the study shall be owned by the licensee.
- (2) Licensee is required to ensure that trial devices are either rendered inoperable or retrieved by them from trial participants at the conclusion of the trial. Licensee is required to notify trial participants in advance that operation of the trial device is subject to this condition.
- (3) Licensee should be aware that other stations may be licensed on these frequencies and if any interference occurs, the licensee of this authorization will be subject to immediate shut down.

This authorization effective August 31, 2021 and
will expire 3:00 A.M. EST September 01, 2022

**FEDERAL
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COMMISSION**



Special Conditions:

- (4) All customers participating in the experiment shall be informed that this operation is for experimental purposes only and can be cancelled at any time.
- (5) The occupied bandwidth of the emission shall not extend beyond the band limits set forth above.
- (6) Prior to equipment authorization or a determination of compliance, the device must be accompanied by a conspicuous notice worded as follows: "This device has not been authorized as required by the rules of the Federal Communications Commission. This device is not, and may not be, offered for sale or lease, or sold or leased, until authorization is obtained."
- (7) Licensee is authorized to conduct on-ground tests on 200 units of 0.078 meters Faber Electronics BV EDGE1 L-band mobile earth terminals ("METs") at fixed locations in Iowa, Illinois, and Missouri, in the 1626.5-1660.5 MHz (earth-to-space) with Inmarsat's Inmarsat 4F3 satellite located at 98 degrees West latitude.
- (8) Point of communication: Inmarsat 4F3 satellite located at 98 degrees West latitude (Call Sign S2932) - United Kingdom licensed.
- (9) Operations in the 1544-1545/1645.5-1646.5 MHz frequency bands ARE LIMITED to distress and safety communications, in accordance with International Footnotes 5.356 and 5.375 of the ITU Radio Regulations.
- (10) The Maximum EIRP must not exceed 7 dBW (which is equivalent to 3.09 W ERP).
- (11) The MET's operations in the applications (filed under file nos. 0443-EX-CN-2021 and SESLIC2021060700918) are limited to the following:

Emission Designator (dBW/4kHz))	Authorized Power	EIRP (dBW)	EIRP density
12K5G1D	3.09 W (ERP)	7	2.05
25K0G1D	3.09 W (ERP)	7	-0.96
50K0G1D	3.09 W (ERP)	7	-3.97

- (12) This is for experimental purpose only and does not permit commercial service or market access.