

**United States of America
FEDERAL COMMUNICATIONS COMMISSION
EXPERIMENTAL
SPECIAL TEMPORARY AUTHORIZATION**

EXPERIMENTAL

(Nature of Service)

WS9XVU

(Call Sign)

XT MO

(Class of Station)

0943-EX-ST-2021

(File Number)

NAME Sateliot

This Special Temporary Authorization is granted upon the express condition that it may be terminated by the Commission at any time without advance notice or hearing if in its discretion the need for such action arises. Nothing contained herein shall be construed as a finding by the Commission that the authority herein granted is or will be in the public interest beyond the express terms hereof.

This Special Temporary Authorization shall not vest in the grantee any right to operate the station nor any right in the use of the frequencies designated in the authorization beyond the term hereof, nor in any other manner than authorized herein. Neither the authorization nor the right granted hereunder shall be assigned or otherwise transferred in violation of the Communications Act of 1934. This authorization is subject to the right of use of control the Government of the United States conferred by Section 706 of the Communications Act of 1934.

Special Temporary Authority is hereby granted to operate the apparatus described below:

Purpose Of Operation:

Sateliot intends to run a full-scale experiment, to demonstrate the technical viability of the project, as well as to identify design improvements on the terminal side and the whole satellite links.

Station Locations

(1) MOBILE: Las Cruces, NM, within 30 km, centered around NL 32-16-05; WL 106-54-49

Frequency Information

MOBILE: Las Cruces, NM, within 30 km, centered around NL 32-16-05; WL 106-54-49

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
400.007-400.033 MHz	MO	25K0F1D	1.22 W (ERP)	0.00001 %

Special Conditions:

- (1) All transmitting and/or receiving equipment used in the study shall be owned by the licensee.
- (2) All customers participating in the experiment shall be informed that this operation is for experimental purposes only and can be cancelled at any time.
- (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 November 02, 2021 and
will expire 3:00 A.M. EST March 01, 2022

**FEDERAL
COMMUNICATIONS
COMMISSION**



Special Conditions:

- (4) 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."
- (5) 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.
- (6) Licensee is authorized to conduct tests on 5 unites of 8cm (diameter) x 16cm (height) AL-IoTTerminal-DTS-001 (user terminals) in the 400.007-400.033 MHz frequency band (Earth-to-space) via SATELIO IOT SERVICES, S.L. (SATELIO)'s 3B5GSAT (NORAD 47691) non-geostationary orbit (NGSO) Mobile Satellite Service (MSS) LEO satellite (UK-licensed). The 3B5GSAT satellite is registered in the Spanish registry of space objects launched into outer space (Spanish Registry) and the Spanish Registry information is provided to UN Office of Outer Space Affairs.
- (7) Point of Communication: SATELIO IOT SERVICES S.L (SATELIO)'s 3B5GSAT (ITU name: SATELIOT_UHF) NGSO MSS LEO satellite (UK-licensed). (Spanish Registry).
- (8) The Input power at antenna flange must not exceed 1 watts and the maximum EIRP must not exceed 3dBW/1.22W(ERP).
- (9) This is for experimental purpose only and does not permit commercial service or market access.
- (10) This authorization is subject to the requiring of filing an experimental space station for the 3B5GSAT satellite to transmit beacons to the authorized user terminal(s). Prior to commencing any operations in the 400.007-400.033 MHz frequency band (Earth-to-space), 3B5GSAT satellite must have authority to transmit beacons to the authorized user terminal located in the United States.
- (11) This authorization SUPERSEDES the previously issued authorization with the same call sign and file number: revises Special Conditions.