

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

EXPERIMENTAL

(Nature of Service)

WO9XUW

(Call Sign)

XC MO

(Class of Station)

1012-EX-ST-2019

(File Number)

NAME XTAR LLC

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:

XTAR is a provider of commercially-available X-band SATCOM bandwidth, to be provided from our XTAR-LANT satellite at 30W, which we intend to utilize to support RDT&E efforts of a

Station Locations

- (1) MOBILE: Benchtesting lab located in Fredericksburg, VA, within 450 km, centered around NL 38-18-11; WL 77-27-38

Frequency Information

MOBILE: Benchtesting lab located in Fredericksburg, VA, within 450 km, centered around NL 38-18-11; WL 77-27-38

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
7.25-8.4 GHz	MO	7M60G1D	14.62 kW (ERP)	0.00001 %

Special Conditions:

- (1) 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.
- (2) Operation in the 8025-8400 MHz range is not authorized within 150 km of NASA receive station at Wallops Island, VA.

This authorization effective July 01, 2019 and
will expire 3:00 A.M. EST February 01, 2020

**FEDERAL
COMMUNICATIONS
COMMISSION**



Special Conditions:

- (3) Operations must be coordinated with the Green Bank and the National Radio Quiet Zone POC:
Paulette Woody
nrqz@gb.nrao.edu
phone: (304) 456-2107
- (4) All XTAR testing granted shall be conducted IAW the purpose, configuration and RF parameters that XTAR coordinated with Air Force (Jimmy Nguyen) and ARSTRAT (Travis Inghram) for this specific STA.
- (5) The emission designator/s listed in the FCC grant are approved for the stated occupied bandwidth/s only. Occupied bandwidth/s that is/are less than the approved emission/s is/are not authorized.
- (6) As soon as possible but no later than 3 business days prior to any planned testing, XTAR is required to provide Jimmy Nguyen (Email: jimmy.nguyen@us.af.mil, AFSMO) and Travis J. Inghram (Email: travis.j.ingham.civ@mail.mil, ARSTRAT) with the planned testing date/duration and the stop buzzer POC for the testing. If planned testing conflicts with DoD/AF operations, additional evaluations and/or restrictions will be required.
- (7) XTAR to state a primary and alternate Stop Buzzer contact name and phone number on this STA and provide same information to: Janet M. Baker, Navy & Marine Corps Spectrum Office Atlantic (NMCSO LANT), Naval Station Norfolk Bldg V-53 Room 203, 757-444-4586, DSN 312-564-4586,
2 janet.m.baker1@navy.mil, janet.m.baker@navy.smil.mil, collective:
nmcsolant_frequency_action@navy.mil, nmcsolant_frequency_action@navy.smil.mil.
- (8) Stop Buzer POC
Primary: Jim Chambers 571-423-8743
Secondary: Todd Dudley 571-524-1730