

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

EXPERIMENTAL

(Nature of Service)

WK9XGO

(Call Sign)

XT MO

(Class of Station)

0994-EX-ST-2016

(File Number)

NAME IMSAR 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:

To investigate the capabilities and benefits of small synthetic aperture radars, in a variety of terrain, vegetation, and atmospheric conditions. Operations will be on a manned platform.

Station Locations

- (1) MOBILE: Chatham, MA. On aircraft at 6,000 feet AGL or below, within 60 km, centered around NL 41-40-16; WL 69-56-59

Frequency Information

MOBILE: Chatham, MA. On aircraft at 6,000 feet AGL or below , within 60 km, centered around NL 41-40-16; WL 69-56-59

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
1710-1850 MHz	MO	28M7G1D	2 W (ERP)	
2365-2455 MHz	MO	90M0G1D	278 W (ERP)	

This authorization effective September 01, 2016 and
will expire 3:00 A.M. EST February 02, 2017

**FEDERAL
COMMUNICATIONS
COMMISSION**



Special Conditions:

- (1) This frequency assignment in one of the bands 1435-1525, 2310-2320 and 2345-2390 MHz was coordinated prior to authorization with the Air Force Spectrum Management Office, Fort Meade, MD, who also coordinated it, as appropriate, with the Aerospace and Flight Test Radio Coordinating Council. Use of this frequency under the authority of this assignment is subject to such further coordination with the Air Force Spectrum Management Office, Fort Meade, MD, as necessary to ensure compatibility with existing uses.
- (2) In lieu of frequency tolerance, the occupied bandwidth of the emission shall not extend beyond the band limits set forth above.
- (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.
- (4) Operation is subject to prior coordination with the local Society of Broadcast Engineers, Inc. (SBE) frequency coordinator. Consult the list at http://freq.sbe.org/pdf_files/coordinators.pdf to find the appropriate coordinator.
- (5) Coordinate with the local SBE frequency coordinator and the Fixed Microwave Service licensees prior to operation in 2365-2455 MHz band.
- (6) Secure consents from the AWS licensees prior to accessing to 1710-1850 MHz band.
- (7) Further requests for extension of the authority granted herein must be filed on Form 442, "Application for New or Modified Radio Station Authorization under Part 5 of FCC Rules - Experimental Radio Service." Future STA requests to extend this authorization will not be considered.
- (8) NTIA will utilize Josh Snook, 801-798-8440, josh.snook@imsar.com as the Stop Buzzer point of contact. The POC must be available during all testing.
- (9) IMSAR must be made aware that the ARMY has assignments at Camp Edwards, MA that overlap the request frequencies. Operations will be on a non-interference basis. IMSAR cannot cause interference nor claim protection from interference Army operations. Prior to the start of operations coordinate with AFMO US&P:
AFMO US&P
Ed Sanchez
Edwin.sanchez1.civ@mail.mil
Phone: 210-221-2050
- (10) IMSAR must notch the following frequencies +/- 7.3 MHz to protect Navy operations in the area.
M1815.167
M1828.500
M1841.833
- (11) IMSAR must not utilize the band 15.4-17.2 GHz to protect FAA flight operations within 60 miles.