

(Nature of Service)

XT FX MO

(Class of Station)

WK9XVT

(Call Sign)

0025-EX-ST-2017

(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) Luna County (LUNA), NM - NL 31-48-11; WL 108-03-06; MOBILE: , within 100 km, centered around NL 31-48-11; WL 108-03-06

Frequency Information

Luna County (LUNA), NM - NL 31-48-11; WL 108-03-06; MOBILE: , within 100 km, centered around NL 31-48-11; WL 108-03-

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
1683-1850 MHz	FX	28M7G1D	2 W (ERP)	
2400-2480 MHz	FX	20M0D7W	97 W (ERP)	
2400-2455 MHz	FX	2M40G1D	278 W (ERP)	

This authorization effective February 15, 2017 and
will expire 3:00 A.M. EST April 01, 2017

**FEDERAL
COMMUNICATIONS
COMMISSION**



Special Conditions:

- (1) 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.
- (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 notification of the 1670-1675 MHz Band licensee (Crown Castle International,) and the lessee (Ligado Networks.)
- (5) Secure consents from the AWS licensees prior to accessing to 1625-1675 MHz and 1683-1850 MHz bands.
- (6) Coordinate with the local SBE frequency coordinator and the Fixed Microwave Service licensees prior to operation in 2400-2455 MHz band.
- (7) IMSAR must coordinate operations with WSMR DoD-AFC, at least 96 hours in advance, via email to usarmy.wsmr.imcom-central.list.dodaafc@mail.mil. IMSAR to specify dates/times, max flight level, and Cease Emission POC.
- (8) Operations will be airborne, with the Synthetic Aperture Radar (SAR) directed downwards towards the ground, with a maximum look angle not to exceed 45 degrees from the vertical
- (9) Operation is not permitted in the band 1625-1662 MHz.