

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

EXPERIMENTAL

(Nature of Service)

WS9XCZ

(Call Sign)

XT MO

(Class of Station)

0654-EX-ST-2021

(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 demonstrate radar capabilities to detect and characterize various targets

Station Locations

- (1) MOBILE: Parachute, CO. On a manned aircraft, within 20 km, centered around NL 39-25-52; WL 108-40-14
- (2) MOBILE: Atlantic Ocean. On a manned aircraft, within 40 km, centered around NL 27-28-15; WL 80-04-52
- (3) MOBILE: Gulf of Mexcio. On a manned aircraft, within 5 km, centered around NL 24-31-26; WL 81-46-45

Frequency Information

MOBILE: Parachute, CO. On a manned aircraft, within 20 km, centered around NL 39-25-52; WL 108-40-14

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
1740-1850 MHz	MO	90M0G1D	2 W (ERP)	
2400-2450 MHz	MO	20M0D7W	97 W (ERP)	

This authorization effective June 01, 2021 and
will expire 3:00 A.M. EST December 02, 2021

**FEDERAL
COMMUNICATIONS
COMMISSION**



Frequency Information

MOBILE: Parachute, CO. On a manned aircraft, within 20 km, centered around NL 39-25-52; WL 108-40-14

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
16.2-17.7 GHz	MO	1G50F0N	11350 W (ERP)	

MOBILE: Atlantic Ocean. On a manned aircraft, within 40 km, centered around NL 27-28-15; WL 80-04-52

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
2400-2450 MHz	MO	20M0D7W	97 W (ERP)	
16.2-17.7 GHz	MO	1G50F0N	11350 W (ERP)	

MOBILE: Gulf of Mexcio. On a manned aircraft, within 5 km, centered around NL 24-31-26; WL 81-46-45

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
2400-2450 MHz	MO	20M0D7W	97 W (ERP)	
16.2-17.7 GHz	MO	1G50F0N	11350 W (ERP)	

Special Conditions:

- (1) In lieu of frequency tolerance, the occupied bandwidth of the emission shall not extend beyond the band limits set forth above.
- (2) Operation in the 1695-1780 MHz, 1915-1920 MHz, 1995-2020 MHz or 2110-2200 MHz band requires consent of local Advanced Wireless Service (AWS) licensee(s) to avoid interference.
- (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.

Special Conditions:

- (4) The authorized station must be in compliance with environmental requirement set forth in Section 1.1307 of the Commission's Rules.
- (5) Stop buzzer point of contact is Josh Snook at (801) 798-8440.
- (6) Operation on 1740-1850 MHz is not permitted for locations Atlantic Ocean and Gulf of Mexico.
- (7) Prior to commencing any in the 17.3-17.7 GHz band, experimental licensee must notify licensees of DIRECTV Enterprises, LLC (Phone Number: 310-964-3589 E-Mail: nm704u@att.com Attention: Navid Motamed) and DirecTV/AT&T (Mr. Raquel Noriega Email: raquel.noriega@att.com). The notice must include the name and contact information of the stop buzzer personnel that will be available to cease operations in the event of reported interference. The notification should include the testing parameters (specific location(s), antenna gain(s), antenna pattern, antenna height(s), antenna orientation, EIRP, EIRP density) and day and times of each test.
- (8) Prior to commencing any in the 17.3-17.7 GHz band, experimental licensee must notify licensees of DISH Operating L.L.C. (Blanket Earth Stations call sign: E140100. Phone Number: 202-463-3709 E-Mail: Alison.Minea@dish.com Attention: Alison Minea). The notice must include the name and contact information of the stop buzzer personnel that will be available to cease operations in the event of reported interference. The notification should include the testing parameters (specific location(s), antenna gain(s), antenna pattern, antenna height(s), antenna orientation, EIRP, EIRP density) and day and times of each test.
- (9) 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.