

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

EXPERIMENTAL

(Nature of Service)

WV9XVX

(Call Sign)

XC MO

(Class of Station)

1285-EX-ST-2023

(File Number)

NAME Legionnaire International Ltd Co

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:

The purpose of the operation is to collect important inflight performance and telemetry data from the test device mounted on the host aircraft.

Station Locations

- (1) MOBILE: W147D&F Gulf of Mexico, within 83.34 km, centered around NL 28-35-00; WL 95-10-00

Frequency Information

MOBILE: W147D&F Gulf of Mexico, within 83.34 km, centered around NL 28-35-00; WL 95-10-00

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
2226.5-2236.5 MHz	MO	10M0D7W	10.85 W (ERP)	0.002 %

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) NTIA concurs with operations in the 2226.5 – 2236.5 MHz band only. IAW 4.3.4.2 of the NTIA manual, telemetry operations must be on the .5 MHz channels in the 2200 – 2290 MHz band.

This authorization effective July 25, 2023 and
will expire 3:00 A.M. EST January 01, 2024

**FEDERAL
COMMUNICATIONS
COMMISSION**



Special Conditions:

- (3) 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.
- (4) Operations are on a non-interference basis (NIB) and shall not cause harmful interference to, and shall not claim protection from, interference caused to it by any other lawfully operating stations. Legionnaire International Ltd Co. should be aware that other stations may be licensed on these frequencies and if any interference occurs, the licensee will be subject to immediate shut down.
- (5) All mobile operations in the 2200-2300 MHz band are limited to line-of-sight operations only.
- (6) Experimental station shall use the minimum power level necessary to establish communications links to minimize potential interference to licensed users.
- (7) Legionnaire International Ltd Co. shall pre-coordinate use of this system in the band 2200-2290 MHz with agencies owning earth stations listed in Section 8.3.15 of the NTIA Manual, whenever the system will be operated from a terrestrial platform within 125 km of such stations or an airborne platform within 880 km of such stations.
- (8) The designated point-of-contact to terminate transmissions if interference occurs is Cody Matsler (940) 634-2045.
- (9) This authorization is issued for the express purpose of conducting experimental operations described in the related application and required by the U.S. Government; contract number FA8651-21-C-0035. The use of this radio station in any other manner or for any other purpose will constitute a violation of the privileges herein authorized. Except as subsequently authorized by the Commission, this radio station shall not be operated after the expiration date of the contract designated in the related application and enumerated above.