

**United States of America
FEDERAL COMMUNICATIONS COMMISSION
EXPERIMENTAL
RADIO STATION CONSTRUCTION PERMIT
AND LICENSE**

EXPERIMENTAL

(Nature of Service)

XT MO

(Class of Station)

WI2XBD

(Call Sign)

0081-EX-CR-2018

(File Number)

NAME TECOM Industries, Incorporated

Subject to the provisions of the Communications Act of 1934, subsequent acts, and treaties, and all regulations heretofore or hereafter made by this Commission, and further subject to the conditions and requirements set forth in this license, the licensee hereof is hereby authorized to use and operate the radio transmitting facilities hereinafter described for radio communications in accordance with the program of experimentation described by the licensee in its application for license.

Operation: In accordance with Sec. 5.3(i) of the Commission's Rules

Station Locations

- (1) MOBILE: US, US
- (2) MOBILE: FLIGHT LEVEL 55,000 FT AGL, US, US

Frequency Information

MOBILE: US, US

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
14.2-14.47 GHz	MO	2M30G7D	19 kW (ERP)	1.0E-7 %

MOBILE: FLIGHT LEVEL 55,000 FT AGL, US, US

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
13.801-14 GHz	MO	2M30G7D	19 kW (ERP)	1.0E-8 %

This authorization effective February 01, 2018 and
will expire 3:00 A.M. EST February 01, 2020

**FEDERAL
COMMUNICATIONS
COMMISSION**



Frequency Information

MOBILE: FLIGHT LEVEL 55,000 FT AGL, US, US

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
14-14.2 GHz	MO	2M30G7D	19 kW (ERP)	1.0E-8 %
14.2-14.47 GHz	MO	2M30G7D	19 kW (ERP)	1.0E-8 %

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) 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.
- (3) Operation is NOT PERMITTED using the frequency band 14.47-14.5 GHz.
- (4) In accordance with Article 4.4 of the ITU Radio Regulations, the operations authorized herein shall not cause harmful interference to, and shall not claim protection from harmful interference caused by, a station operating in accordance with the provisions of the ITU Constitution, the ITU Convention, and the ITU Radio Regulations.
- (5) Operation is subject to prior coordination with all the respective satellite operators as necessary to minimize interference.
- (6) The designated point-of-contact if interference occurs is Martin Cox 805-338-5159 and Dan Cordell 805-338-9685.
- (7) Operation is subject to prior coordination with NASA- White sands Center (WSC) is required at least 3 days in advance with the NASA-WSC POC as designated by the NASA/GSFC spectrum Manager, Scott Galbraith at 301-286-5089, VINCENT.S.GALBRAITH@NASA.GOV, for operations within 550km of TDRS ground Stations located at Blossom Point, MD or White Sands, NM.
- (8) Operation is NOT PERMITTED using the frequency band from 13.75-13.801 MHz.