

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

EXPERIMENTAL

(Nature of Service)

XD      FX

(Class of Station)

WH2XFO

(Call Sign)

0271-EX-CR-2017

(File Number)

NAME L-3 communications / Randtron Antenna Systems

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(j) of the Commission's Rules

Station Locations

(1) Half moon Bay (SAN MATEO), CA - NL 37-30-54; WL 122-22-44

Frequency Information

Half moon Bay (SAN MATEO), CA - NL 37-30-54; WL 122-22-44

| Frequency | Station Class | Emission Designator | Authorized Power | Frequency Tolerance (+/-) |
|-----------|---------------|---------------------|------------------|---------------------------|
| 50-73 MHz | FX            | N0N                 | 1.5 W (ERP)      |                           |
| 50-73 MHz | FX            | N0N                 | 100 kW (ERP)     |                           |
| 76-88 MHz | FX            | N0N                 | 1.5 W (ERP)      |                           |
| 76-88 MHz | FX            | N0N                 | 100 kW (ERP)     |                           |

This authorization effective June 01, 2017 and  
will expire 3:00 A.M. EST August 01, 2019

**FEDERAL  
COMMUNICATIONS  
COMMISSION**



## Frequency Information

Half moon Bay (SAN MATEO), CA - NL 37-30-54; WL 122-22-44

| Frequency   | Station Class | Emission Designator | Authorized Power | Frequency Tolerance (+/-) |
|-------------|---------------|---------------------|------------------|---------------------------|
| 138-224 MHz | FX            | N0N                 | 1.5 W (ERP)      |                           |
| 138-224 MHz | FX            | N0N                 | 100 kW (ERP)     |                           |

## 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](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 prior coordination with the local Society of Broadcast Engineers (SBE) prior to operation to protect the Low Power Broadcast Auxiliary operations in the following bands 54-72 MHz, 76-88 MHz, 152.855-154.0 MHz, 157-161.575 MHz, 161.625-161.775 MHz, & 162.0375-173.2 MHz.
- (5) Due to possibility of harmful interference to incumbent services, no operation is permitted in frequency band 88-107 MHz.