

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

EXPERIMENTAL

(Nature of Service)

WH2XEA

(Call Sign)

XD      FX MO

(Class of Station)

0093-EX-TC-2019

(File Number)

NAME Raytheon Company

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) MOBILE: Columbia Falls, MT, within 1.6 km, centered around NL 48-15-56; WL 114-10-12
- (2) Columbia Falls (FLATHEAD), MT - NL 48-15-56; WL 114-10-12
- (3) Bennett (ADAMS), CO - NL 39-54-53; WL 104-23-43
- (4) MOBILE: Bennett, CO, within 1.6 km, centered around NL 39-54-53; WL 104-23-43

Frequency Information

MOBILE: Columbia Falls, MT, within 1.6 km, centered around NL 48-15-56; WL 114-10-12

| Frequency     | Station Class | Emission Designator | Authorized Power | Frequency Tolerance (+/-) |
|---------------|---------------|---------------------|------------------|---------------------------|
| 4500-4522 MHz | MO            | 6M00F1D             | 3.24 W (ERP)     |                           |
| 4538-4700 MHz | MO            | 6M00F1D             | 3.24 W (ERP)     |                           |

This authorization effective January 22, 2020 and  
will expire 3:00 A.M. EST May 01, 2020

**FEDERAL  
COMMUNICATIONS  
COMMISSION**



## Frequency Information

Columbia Falls (FLATHEAD), MT - NL 48-15-56; WL 114-10-12

| Frequency     | Station Class | Emission Designator | Authorized Power | Frequency Tolerance (+/-) |
|---------------|---------------|---------------------|------------------|---------------------------|
| 4500-4522 MHz | FX            | 6M00F1D             | 82 W (ERP)       |                           |
| 4538-4700 MHz | FX            | 6M00F1D             | 82 W (ERP)       |                           |

Bennett (ADAMS), CO - NL 39-54-53; WL 104-23-43

| Frequency     | Station Class | Emission Designator | Authorized Power | Frequency Tolerance (+/-) |
|---------------|---------------|---------------------|------------------|---------------------------|
| 4500-4522 MHz | FX            | 6M00F1D             | 82 W (ERP)       |                           |
| 4538-4700 MHz | FX            | 6M00F1D             | 82 W (ERP)       |                           |

MOBILE: Bennett, CO, within 1.6 km, centered around NL 39-54-53; WL 104-23-43

| Frequency     | Station Class | Emission Designator | Authorized Power | Frequency Tolerance (+/-) |
|---------------|---------------|---------------------|------------------|---------------------------|
| 4500-4522 MHz | MO            | 6M00F1D             | 3.24 W (ERP)     |                           |
| 4538-4700 MHz | MO            | 6M00F1D             | 3.24 W (ERP)     |                           |

## Special Conditions:

- (1) The station identification requirements of Section 5.115 of the Commission's Rules are waived.
- (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.

**Special Conditions:**

- (3) In lieu of frequency tolerance, the occupied bandwidth of the emission shall not extend beyond the band limits set forth above.
- (4) Stop buzzer is Mr. Douglas Erickson at (303) 717-8091, and (303) 344-6606.