

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

EXPERIMENTAL

(Nature of Service)

WP9XWM

(Call Sign)

XT FX

(Class of Station)

2046-EX-ST-2019

(File Number)

NAME Mitsubishi Aircraft Corporation America

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:

HIRF testing

Station Locations

(1) Moses Lake (GRANT), WA - NL 47-12-06; WL 119-18-24

Frequency Information

Moses Lake (GRANT), WA - NL 47-12-06; WL 119-18-24

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
1.5-45 MHz	FX	NON	83.95 W (ERP)	
40-400 MHz	FX	NON	6.4 W (ERP)	
200-1000 MHz	FX	NON	0.001 W (ERP)	

This authorization effective March 15, 2020 and
will expire 3:00 A.M. EST September 16, 2020

**FEDERAL
COMMUNICATIONS
COMMISSION**



Frequency Information

Moses Lake (GRANT), WA - NL 47-12-06; WL 119-18-24

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
1-18 GHz	FX	NON	7.692 W (ERP)	

Special Conditions:

- (1) 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.
- (2) In lieu of frequency tolerance, the occupied bandwidth of the emission shall not extend beyond the band limits set forth above.
- (3) Licensee shall notch out the 2320-2345 Mhz band and the 12.2-12.7 Ghz band from operations.
- (4) Licensee shall notch out the following bands:
5900KHz-6200KHz,
7200KHz-7450KHz
9400KHz-9900KHz
11600KHz-12100KHz
13570KHz-13870KHz
15100KHz-15800KHz
17480KHz-17900KHz
18900KHz-19020KHz
21450KHz-21850KHz
25670KHz-26100KHz

Special Conditions:

- (5) Prior to commencing any operations in the frequencies below, the applicant must obtain consent from the following within 50 miles of the contours of the testing area:
- Paging Service licensees in 35 MHz
 - Paging Service licensees in 43 MHz
 - Paging Service licensees in 152 MHz
 - Paging Service licensees in 158 MHz
 - Paging Service licensees in 152 MHz/158 MHz
 - AMTS Licensee (217-218 MHz/219-220 MHz)
 - 218-219 MHz Service licensees
 - 220-222 MHz Service licensees
 - Paging Service licensees in 454 MHz/459 MHz
 - General Aviation Air-Ground Service in 454 MHz/459 MHz
 - 700 MHz Lower Band licensees (698-746 MHz)
 - 700 MHz Upper Band licensees (746-758 MHz and 775-788 MHz)
 - 700 MHz Guard Band licensees (757-758 MHz/787-788 MHz)
 - SMR licensees (809-824 MHz/854-869 MHz)
 - B/ILT licensees (809-824 MHz/854-869 MHz)
 - Cellular licensees (824-849 MHz/869-894 MHz)
 - Commercial Air-Ground licensee (849-851 MHz/894-896 MHz)
 - SMR licensees (896-901 MHz/935-940 MHz)
 - B/ILT licensees (896-901 MHz/935-940 MHz)
 - Narrowband PCS licensees (901-902/930-931/940-941 MHz)
 - Location & Monitoring Service licensees (902-928 MHz)
 - Paging Service licensees in 929 MHz and 931 MHz
 - 1390-92 MHz Band Licensees
 - 1392-1395 MHz/1432-1435 MHz Band licensees
 - 1670-1675 MHz Band licensee (Crown Castle International,) and the lessee (One Dot Six Corp)
 - Broadband PCS licensees (1850-1910 MHz/1930-1990 MHz)
 - 1910-1915 MHz/1990-1995 MHz Bands licensee (Sprint)
 - WCS (2305-2320 MHz/2345-2360 MHz) licensee (AT&T)
- (6) Licensee shall secure consents from the Advance Wireless Service licensees prior to operation in the frequency ranges from 2000 MHz to 2200 MHz.
- (7) Licensee shall obtain consents from the Educational Broadband Service and the Broadband Radio Service licensees prior to operation in 2496-2690 MHz range.
- (8) Licensee shall maintain operation separation from the grandfathered earth stations as defined in Part 90, Subpart Z, or coordinate an agreement with the grandfathered earth station licensees prior to operation in 3650-3700 MHz band.
- (9) Licensee shall consult the ULS database to ensure that the operation will not cause harmful interference to any existing registered stations in the 3650-3700 MHz band, and notify the registered users in the proposed geographic areas prior to operation in this band.
- (10) Licensee shall coordinate with the local Society of Broadcast Engineers frequency coordinator and the affected Fixed Microwave Service licensees prior to commencing the test operation.

Special Conditions:

(11) Mitsubishi Aircraft Corporation America must notch out the following:

a. (+/- 3 kHz) 2014.5 kHz, 2016 kHz, 2017.5 kHz, 2038.5 kHz, 2040 kHz, 2042.5 kHz, 2054 kHz, 2120.4 kHz, 2142.4 kHz, 2142.5 kHz, 2159.5 kHz, 2161 kHz, 2162.5 kHz, 2174.5 kHz, 2183.4 kHz, 2187.5 kHz, 2262.4 kHz, 2660.4 kHz, 2671.4 kHz, 2679.4 kHz, 3024.4 kHz, 3054.4 kHz, 3057.4 kHz, 3120.4 kHz, 3123.4 kHz, 4126.4 kHz, 4177.5 kHz, 4207.5 kHz, 4298 kHz, 4317.9 kHz, 4427.4 kHz, 4572.5 kHz, 4731.4 kHz, 4734.4 kHz, 4821 kHz, 4902 kHz, 4912 kHz, 4913.5 kHz, 4965 kHz, 5107 kHz, 5108 kHz, 5108.5 kHz, 5110 kHz, 5215.5 kHz, 5217 kHz, 5221.5 kHz, 5223 kHz, 5224.5 kHz, 5264.5 kHz, 5266 kHz, 5267.5 kHz, 5270.5 kHz, 5272 kHz, 5418 kHz, 5419.5 kHz, 5421 kHz, 5681.4 kHz, 5694.4 kHz, 5697.4 kHz, 5700.4 kHz, 5885 kHz, 5931 kHz, 5934 kHz, 5941 kHz, 5942.5 kHz, 5943.5 kHz, 5944 kHz, 6216.4 kHz, 6268 kHz, 6312 kHz, 6502.4 kHz, 6517.4 kHz, 6710.4 kHz, 6743.4 kHz, 6961 kHz, 7419.5 kHz, 7439 kHz, 7577 kHz, 7617 kHz, 7626 kHz, 7630.5 kHz, 7669.5 kHz, 7736 kHz, 7743 kHz, 7747 kHz, 7754.5 kHz, 7775 kHz, 7793 kHz, 7821 kHz, 7845 kHz, 7884 kHz, 7909 kHz, 8292.4 kHz, 8414.5 kHz, 8459 kHz, 8503.9 kHz, 8682 kHz, 8765.4 kHz, 8981.4 kHz, 8984.4 kHz, 9035.4 kHz, 9038.4 kHz, 9110 kHz, 9169 kHz, 9291 kHz, 9332 kHz, 10297.5 kHz, 10338.5 kHz, 10354.5 kHz, 10378 kHz, 10540 kHz, 10675 kHz, 10759 kHz, 10774 kHz, 10788 kHz, 10810 kHz, 10891 kHz, 10918 kHz, 10929.5 kHz, 10935.5 kHz, 11024 kHz, 11045 kHz, 11157.5 kHz, 11197.4 kHz, 11200.4 kHz, 11203.4 kHz, 247.075 MHz

b. (+/- 5.5 kHz) 141.1375 MHz, 141.3875 MHz, 237.9 MHz, 282.8 MHz, 326.15 MHz, 345 MHz, 379.05 MHz, 398.8125 MHz,

c. (+/- 8 kHz) 121.5 MHz, 156.3 MHz, 156.525 MHz, 156.6 MHz, 156.8 MHz, 157.05 MHz, 157.075 MHz, 157.1 MHz, 157.150 MHz, 161.975 MHz, 243 MHz, 412.975 MHz, 413 MHz, 413.025 MHz,

d. (+/- 12.5 kHz) 122.85 MHz, 122.925 MHz, 151.925 MHz,

e. (bands) 2.85-3.025 MHz, 3.4-3.5 MHz, 4.65-4.7 MHz, 5.45-5.68 MHz, 6.525-6.685 MHz, 8.815-8.965 MHz, 10.005-10.100 MHz, 11.275-11.4 MHz, 13.26-13.36 MHz, 17.9-17.97 MHz, 21.924-22 MHz, 74.6-75.4 MHz, 108-137 MHz, 162-174 MHz, 328.6-335.4 MHz, 406-420 MHz, 608-614 MHz, 976-1215 MHz, 1400-1427 MHz, 1660.5-1668.4 MHz, 2680-2900 MHz, 4990-5000 MHz, 5091-5150 MHz, 7145-7195 MHz, 7325-7365 MHz, 10.68-10.7 GHz, 15.25-15.4 GHz,

(12) Mitsubishi Aircraft Corporation America operations must coordinate with Mr. Dan Mertely, nrao-rfi@nrao.edu, (575) 835-7128.

(13) Stop Buzzer: Richard Abran; Phone: 509-350-3731; Email: richard_abran@mitsubishiaircraft.com

(14) Licensee shall notch out the band 756-799 MHz.

(15) Operation is subject to prior coordination with Public Safety and Homeland Security in the area.

(16) Experimental use is secondary to, and must not interfere with, Flight Test operations.

(17) Operation is subject to prior coordination with AFTRCC.