

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

EXPERIMENTAL

(Nature of Service)

WL9XKK

(Call Sign)

XT FX

(Class of Station)

1371-EX-ST-2017

(File Number)

NAME The MITRE Corporation

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 MITRE Corporation seeks an FCC Special Temporary Authority License to transmit data within the High Frequency (HF) band between 2.505 MHz and 16 MHz.

Station Locations

- (1) Bedford (MIDDLESEX), MA - NL 42-30-13; WL 71-14-11
- (2) Bedford (MIDDLESEX), MA - NL 42-30-13; WL 71-14-11
- (3) Stockbridge (MADISON), NY - NL 43-01-47; WL 75-39-05
- (4) Stockbridge (MADISON), NY - NL 43-01-47; WL 75-39-05
- (5) Bedford (MIDDLESEX), MA - NL 42-30-13; WL 71-14-11
- (6) Stockbridge (MADISON), NY - NL 43-01-47; WL 75-39-05

Frequency Information

Bedford (MIDDLESEX), MA - NL 42-30-13; WL 71-14-11

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
2.505-4.1 MHz	FX	24K0J1D	200 W (ERP)	0.001 %
4.21-4.65 MHz	FX	24K0J1D	200 W (ERP)	0.001 %

This authorization effective October 16, 2017 and
will expire 3:00 A.M. EST March 16, 2018

**FEDERAL
COMMUNICATIONS
COMMISSION**



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5.005-6.21 MHz	FX	24K0J1D	200 W (ERP)	0.001 %
6.32-7.3 MHz	FX	24K0J1D	200 W (ERP)	0.001 %
7.4-8.25 MHz	FX	24K0J1D	200 W (ERP)	0.001 %
8.97-9.4 MHz	FX	24K0J1D	200 W (ERP)	0.001 %
9.9-9.995 MHz	FX	24K0J1D	200 W (ERP)	0.001 %
10.101-11.275 MHz	FX	24K0J1D	200 W (ERP)	0.001 %
11.4-11.6 MHz	FX	24K0J1D	200 W (ERP)	0.001 %
12.1-12.2 MHz	FX	24K0J1D	200 W (ERP)	0.001 %
13.5-13.57 MHz	FX	24K0J1D	200 W (ERP)	0.001 %

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Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
13.87-14.99 MHz	FX	24K0J1D	200 W (ERP)	0.001 %
15.01-15.1 MHz	FX	24K0J1D	200 W (ERP)	0.001 %
15.8-16 MHz	FX	24K0J1D	200 W (ERP)	0.001 %

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9.9-9.995 MHz	FX	24K0J1D	200 W (ERP)	0.001 %
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12.1-12.2 MHz	FX	24K0J1D	200 W (ERP)	0.001 %
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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) The MITRE Corporation must notch out the following frequencies (+/- 1.4 kHz): K3024.4; K5681.4; K6517.4
- (4) The MITRE Corporation must notch out the following frequencies (+/- 1.4 kHz): K3054.4; K3057.4; K3120.4; K3123.4; K4572.5; K4731.4; K4734.4; K4821; K4902; K4965; K5108; K5694.4; K5697.4; K5700.4; K5885; K5943.5; K6710.4; K6743.4; K7419.5; K7630.5; K7669.5; K7736; K7743; K7747; K7775; K7793; K7821; K8981.4; K8984.4; K9035.4; K9038.4; K10540; K10774; K10810; K10891; K10918; K11197.4; K11200.4; K11203.4 K; 12081.5; K14428.5; K14461; K14953; K15640.5
- (5) The MITRE Corporation must notch out the following frequencies (+/- 1.4 kHz): K2810.4; K5227.4; K5318.4; K5423.4; K5746.4; K6813.4; K6936.4; K6946.4; K7442.4; K9074.4; K10369.9; K12151.4
- (6) The MITRE Corporation must notch out the following frequencies (+/- 1.4 kHz): K2679.4; K3209.5 K; 3242.4; K4049.9; K4050; K5314.4; K7378.9; K7530; K7630.5; K8126.4; K9127; K9279.9; K10168; K10810; K11436; K11514.9; K11515; K12150; K12175
- (7) The MITRE Corporation must contact JFMO Alaska at com: (907) 552-7183 prior to transmitting data while conducting experimentation on JBER.
- (8) The MITRE Corporation must provide stop buzzer information to JFMO Alaska.
- (9) The MITRE Corporation must notch out the following AM(R)S bands: 2850-3025 kHz; 3400-3500 kHz; 5450-5680 kHz; 6525-6685 kHz

Special Conditions:

(10) The MITRE Corporation must notch out the following frequencies:

K2513.4 +/-1.4K ; K2612 +/-2K
K2639.4 +/-1.4K ; K2648 +/-150H
K2663.4 +/-1.4K ; K2666 +/-1.4K
K2668.4 +/-1.4K ; K2671.4 +/-1.4K
K2674 +/-2K ; K2679.4 +/-1.4K
K2682 +/-2K ; K2687.4 +/-1.4K
K2690 +/-2K ; K2695.4 +/-1.4K
K2698 +/-2K ; K2705 +/-2K
K2706 +/-2K ; K2708.4 +/-1.4K
K2739.4 +/-1.4K ; K2749.4 +/-1.4K
K2811 +/-2K ; K3209 +/-1.4K
K3242 +/-1.4K ; K3254.4 +/-1.4K
K3257.4 +/-1.4K ; K3258 +/-1.4K
K3389 +/-2K ; K4913.5 +/-2K
K5108.5 +/-2K ; K5168.9 +/-1.4K
K5217 +/-2K ; K5223 +/-2K
K5266 +/-2K ; K5272 +/-2K
K5320 +/-2K ; K5419.5 +/-2K
K5423.4 +/-1.4K ; K5423.9 +/-1.4K
K5424 +/-2K ; K5885 +/-1.4K
K5932.5 +/-2K ; K5942.5 +/-2K
K6340.5 +/-2K ; K6344 +/-2K
K6379.5 +/-2K ; K6383 +/-2K
K6421.5 +/-2K ; K6425 +/-2K
K6474 +/-2K ; K6477.5 +/-2K
K6502.4 +/-1.4K ; K6508.4 +/-1.4K
K6517.4 +/-1.4K ; K6523.4 +/-1.4K
K6947 +/-2K ; K6961 +/-2K
K7439 +/-2K ; K7530 +/-2K
K7577 +/-2K ; K7617 +/-2K
K7626 +/-2K ; K7713 +/-2K
K7754.5 +/-2K ; K7845 +/-2K
K7884 +/-2K ; K7909 +/-2K
K9076 +/-2K ; K9110 +/-2K
K9127 +/-2K ; K9169 +/-2K
K9291 +/-2K ; K9299.5 +/-2K
K9332 +/-2K ; K9373 +/-2K
K10297.5 +/-2K ; K10338.5 +/-2K
K10354.5 +/-2K ; K10370.5 +/-2K
K10378 +/-2K ; K10675 +/-2K
K10759 +/-2K ; K10788 +/-2K
K10929.5 +/-2K ; K10935.5 +/-2K
K11024 +/-2K ; K11045 +/-2K
K11157.5 +/-2K ; K11165.8 +/-2K
K11436 +/-2K ; K11478.2 +/-1.4K
K13537.7 +/-2K ; K13950 +/-2K
K14506 +/-2K ; K14518.75 +/-2K
K14731 +/-2K ; K14752 +/-2K
K14919.2 +/-2K ; K15656.5 +/-2K

- (11) Operation is prohibited in the following bands:
- 7300-7400 kHz
 - 9400-9900 kHz
 - 11600-12100 kHz
 - 13570-13870 kHz
 - 15100-15800 kHz
- (12) 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.