

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

EXPERIMENTAL

(Nature of Service)

XT FX

(Class of Station)

WL9XJT

(Call Sign)

0749-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:

To transmit data within the High Frequency (HF) band between 6.4 MHz and 16 MHz from several locations in Alaska from 18 July - 08 August 2017.

Station Locations

- (1) Joint Base Elmendorf (Anchorage), AK - NL 61-10-49; WL 149-25-26
- (2) Joint Base Elmendorf (Anchorage), AK - NL 61-15-25; WL 149-45-03
- (3) Joint Base Elmendorf (Anchorage), AK - NL 61-14-49; WL 149-48-41
- (4) Barrow (Anchorage), AK - NL 71-10-30; WL 156-27-43
- (5) Barrow (Anchorage), AK - NL 71-06-20; WL 156-23-41
- (6) Barrow (Anchorage), AK - NL 71-12-02; WL 156-23-00
- (7) Barrow (Anchorage), AK - NL 71-09-52; WL 156-28-16

Frequency Information

Joint Base Elmendorf (Anchorage), AK - NL 61-10-49; WL 149-25-26

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
6575-8250 kHz	FX	1M00Q3N 1M00W7D 1M00D7D	200 W (ERP)	0.001 %

This authorization effective July 18, 2017 and
will expire 3:00 A.M. EST August 09, 2017

**FEDERAL
COMMUNICATIONS
COMMISSION**



Frequency Information

Joint Base Elmendorf (Anchorage), AK - NL 61-10-49; WL 149-25-26

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
8970-9995 kHz	FX	1M00Q3N 1M00W7D 1M00D7D	200 W (ERP)	0.001 %
10005-11275 kHz	FX	1M00Q3N 1M00W7D 1M00D7D	200 W (ERP)	0.001 %
11400-12200 kHz	FX	750KQ3N 750KW7D 750KD7D	200 W (ERP)	0.001 %
13500-14990 kHz	FX	1M00Q3N 1M00W7D 1M00D7D	200 W (ERP)	0.001 %
15010-16000 kHz	FX	900KQ3N 900KW7D 900KD7D	200 W (ERP)	0.001 %

Joint Base Elmendorf (Anchorage), AK - NL 61-15-25; WL 149-45-03

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
6575-8250 kHz	FX	1M00Q3N 1M00W7D	200 W (ERP)	0.001 %

Frequency Information

Joint Base Elmendorf (Anchorage), AK - NL 61-15-25; WL 149-45-03

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
6575-8250 kHz	FX	1M00D7D	200 W (ERP)	0.001 %
8970-9995 kHz	FX	1M00Q3N 1M00W7D 1M00D7D	200 W (ERP)	0.001 %
10005-11275 kHz	FX	1M00Q3N 1M00W7D 1M00D7D	200 W (ERP)	0.001 %
11400-12200 kHz	FX	750KQ3N 750KW7D 750KD7D	200 W (ERP)	0.001 %
13500-14990 kHz	FX	1M00Q3N 1M00W7D 1M00D7D	200 W (ERP)	0.001 %
15010-16000 kHz	FX	900KQ3N 900KW7D 900KD7D	200 W (ERP)	0.001 %

Frequency Information

Joint Base Elmendorf (Anchorage), AK - NL 61-14-49; WL 149-48-41

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
6575-8250 kHz	FX	1M00Q3N 1M00W7D 1M00D7D	200 W (ERP)	0.001 %
8970-9995 kHz	FX	1M00Q3N 1M00W7D 1M00D7D	200 W (ERP)	0.001 %
10005-11275 kHz	FX	1M00Q3N 1M00W7D 1M00D7D	200 W (ERP)	0.001 %
11400-12200 kHz	FX	750KQ3N 750KW7D 750KD7D	200 W (ERP)	0.001 %
13500-14990 kHz	FX	1M00Q3N 1M00W7D 1M00D7D	200 W (ERP)	0.001 %
15010-16000 kHz	FX	900KQ3N 900KW7D 900KD7D	200 W (ERP)	0.001 %

Frequency Information

Barrow (Anchorage), AK - NL 71-10-30; WL 156-27-43

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
6575-8250 kHz	FX	1M00D7D 1M00Q3N 1M00W7D	200 W (ERP)	0.001 %
8970-9995 kHz	FX	1M00Q3N 1M00W7D 1M00D7D	200 W (ERP)	0.001 %
10005-11275 kHz	FX	1M00Q3N 1M00W7D 1M00D7D	200 W (ERP)	0.001 %
11400-12200 kHz	FX	750KQ3N 750KW7D 750KD7D	200 W (ERP)	0.001 %
13500-14990 kHz	FX	1M00Q3N 1M00W7D 1M00D7D	200 W (ERP)	0.001 %
15010-16000 kHz	FX	900KQ3N 900KW7D 900KD7D	200 W (ERP)	0.001 %

Frequency Information

Barrow (Anchorage), AK - NL 71-06-20; WL 156-23-41

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
6575-8250 kHz	FX	1M00Q3N 1M00W7D 1M00D7D	200 W (ERP)	0.001 %
8970-9995 kHz	FX	1M00Q3N 1M00W7D 1M00D7D	200 W (ERP)	0.001 %
10005-11275 kHz	FX	1M00D7D 1M00Q3N 1M00W7D	200 W (ERP)	0.001 %
11400-12200 kHz	FX	750KQ3N 750KW7D 750KD7D	200 W (ERP)	0.001 %
13500-14990 kHz	FX	1M00Q3N 1M00W7D 1M00D7D	200 W (ERP)	0.001 %
15010-16000 kHz	FX	900KQ3N 900KW7D 900KD7D	200 W (ERP)	0.001 %

Frequency Information

Barrow (Anchorage), AK - NL 71-12-02; WL 156-23-00

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
6575-8250 kHz	FX	1M00Q3N 1M00W7D 1M00D7D	200 W (ERP)	0.001 %
8970-9995 kHz	FX	1M00Q3N 1M00W7D 1M00D7D	200 W (ERP)	0.001 %
10005-11275 kHz	FX	1M00Q3N 1M00W7D 1M00D7D	200 W (ERP)	0.001 %
11400-12200 kHz	FX	750KW7D 750KD7D 750KQ3N	200 W (ERP)	0.001 %
13500-14990 kHz	FX	1M00Q3N 1M00W7D 1M00D7D	200 W (ERP)	0.001 %
15010-16000 kHz	FX	900KQ3N 900KW7D 900KD7D	200 W (ERP)	0.001 %

Frequency Information

Barrow (Anchorage), AK - NL 71-09-52; WL 156-28-16

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
6575-8250 kHz	FX	1M00Q3N 1M00W7D 1M00D7D	200 W (ERP)	0.001 %
8970-9995 kHz	FX	1M00Q3N 1M00W7D 1M00D7D	200 W (ERP)	0.001 %
10005-11275 kHz	FX	1M00Q3N 1M00W7D 1M00D7D	200 W (ERP)	0.001 %
11400-12200 kHz	FX	750KQ3N 750KW7D 750KD7D	200 W (ERP)	0.001 %
13500-14990 kHz	FX	1M00Q3N 1M00W7D 1M00D7D	200 W (ERP)	0.001 %
15010-16000 kHz	FX	900KQ3N 900KW7D 900KD7D	200 W (ERP)	0.001 %

Special Conditions:

- (1) In lieu of frequency tolerance, the occupied bandwidth of the emission shall not extend beyond the band limits set forth above.

Special Conditions:

- (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 K6976 +/- 3 kHz at each Joint Base Elmendorf locations indicated in this application.
- (4) The MITRE Corporation must notch out the following frequencies +/- 1.4 kHz: K6813.4; K6936.4; K6946.4; K7442.4; K9074.4; K10369.9; K12151.4
- (5) The MITRE Corporation must notch out the following frequencies +/- 512 Hz: K6947; K10370.5
- (6) The MITRE Corporation must notch out the following frequencies +/- 2kHz: K6961; K7439; K7577; K7617; K7626; K7713; K7754.5; K7845; K7884; K7909; K9169; K9291; K9299.5; K9332; K9373; K10297.5; K10338.5; K10354.5; K10378; K10675; K10759; K10788; K10929.5; K10935.5; K11024; K11045; K11157.5; K11165.8; K13537.7; K13950; K14506; K14518.75; K14731; K14752; K14919.2.
- (7) The MITRE Corporation must notch out 6525-6685 kHz and 10005-10100 kHz to protect AM(R)S bands.
- (8) The MITRE Corporation must contact JFMO Alaska at com: 907-552-7183 prior to transmitting data while conducting experimentation on JBER.
- (9) The MITRE Corporation must provide stop buzzer information to JFMO Alaska.
- (10) The MITRE Corporation must notch out following frequencies +/-1.4 kHz: K6710.4; K6743.4; K7419.5; K7630.5; K7669.5; K7736; K7743; K7747; K7775; K7793; K7821; K8981.4; K9035.4; K9038.4; K10540; K10810; K10891; K10918; K11197.4; K11200.4; K11203.4; K12081.5; K14428.5; K14461; K14953; K15083.4; K15086.4; K15089.4; K15640.5.
- (11) Operation is prohibited in the following frequency bands:
7300-7400 kHz
9400-9900 kHz
11600-12100 kHz
13570-13870 kHz
15100-15800 kHz
- (12) This license SUPERSEDES the previously issued license with the same call sign and file number: to add special condition (11).