

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

EXPERIMENTAL

(Nature of Service)

XT FX

(Class of Station)

WS9XQE

(Call Sign)

1301-EX-ST-2021

(File Number)

NAME MITRE

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 to transmit data within the High Frequency (HF) band.

Station Locations

(1) Anchorage (Anchorage), AK - NL 61-17-25; WL 149-41-11

Frequency Information

Anchorage (Anchorage), AK - NL 61-17-25; WL 149-41-11

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
4210-4650 kHz	FX		200 W (ERP)	0.001 %
		24K0D7D		
		24K0G7D		
		24K0G7E		
		3K00G1D		
		3K00G7E		
		3K00H8E		
		98K0D7D		
		98K0F7D		
		98K0F7E		
		98K0F7N		

This authorization effective September 02, 2021 and
will expire 3:00 A.M. EST February 16, 2022

**FEDERAL
COMMUNICATIONS
COMMISSION**



Frequency Information

Anchorage (Anchorage), AK - NL 61-17-25; WL 149-41-11

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
4210-4650 kHz	FX	49K0G7E	200 W (ERP)	0.001 %
4700-4995 kHz	FX	24K0D7D 24K0G7D 24K0G7E 3K00G1D 3K00G7E 3K00H8E 98K0D7D 98K0F7D 98K0F7E 98K0F7N 49K0G7E	200 W (ERP)	0.001 %
5005-5450 kHz	FX	49K0G7E 98K0F7N 98K0F7E 98K0F7D 98K0D7D 3K00H8E 3K00G7E 3K00G1D 24K0G7E 24K0G7D 24K0D7D	200 W (ERP)	0.001 %
5680-5900 kHz	FX	49K0G7E 98K0F7N 98K0F7E 98K0F7D 98K0D7D	200 W (ERP)	0.001 %

Frequency Information

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Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
5680-5900 kHz	FX	3K00H8E 3K00G7E 3K00G1D 24K0G7E 24K0G7D 24K0D7D	200 W (ERP)	0.001 %
6200-6210 kHz	FX	10K0D7D 10K0G7D 10K0G7E 3K00G1D 3K00G7E 3K00H8E 10K0D7D 10K0F7D 10K0F7E 10K0F7N 10K0G7E	200 W (ERP)	0.001 %
6320-6525 kHz	FX	3K00G1D 3K00G7E 3K00H8E 98K0D7D 98K0F7D 98K0F7E 98K0F7N 49K0G7E 24K0D7D 24K0G7D 24K0G7E	200 W (ERP)	0.001 %

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Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
6685-7300 kHz	FX		200 W (ERP)	0.001 %
		49K0G7E		
		98K0F7N		
		98K0F7E		
		98K0F7D		
		98K0D7D		
		3K00H8E		
		3K00G7E		
		3K00G1D		
		24K0G7E		
		24K0G7D		
		24K0D7D		
7400-8250 kHz	FX		200 W (ERP)	0.001 %
		24K0D7D		
		24K0G7D		
		24K0G7E		
		3K00G1D		
		3K00G7E		
		3K00H8E		
		98K0D7D		
		98K0F7D		
		98K0F7E		
		98K0F7N		
		49K0G7E		
8970-9400 kHz	FX		200 W (ERP)	0.001 %
		24K0D7D		
		24K0G7D		
		24K0G7E		
		3K00G1D		
		3K00G7E		
		3K00H8E		
		98K0D7D		
		98K0F7D		
		98K0F7E		

Frequency Information

Anchorage (Anchorage), AK - NL 61-17-25; WL 149-41-11

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
8970-9400 kHz	FX	98K0F7N 49K0G7E	200 W (ERP)	0.001 %
9900-9995 kHz	FX	24K0D7D 24K0G7D 24K0G7E 3K00G1D 3K00G7E 3K00H8E 95K0D7D 95K0F7D 95K0F7E 95K0F7N 49K0G7E	200 W (ERP)	0.001 %
10101-11275 kHz	FX	24K0D7D 24K0G7D 24K0G7E 3K00G1D 3K00G7E 3K00H8E 98K0D7D 98K0F7D 98K0F7E 98K0F7N 49K0G7E	200 W (ERP)	0.001 %
11400-11600 kHz	FX	24K0D7D 24K0G7D 24K0G7E 3K00G1D	200 W (ERP)	0.001 %

Frequency Information

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Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
11400-11600 kHz	FX	3K00G7E 3K00H8E 98K0D7D 98K0F7D 98K0F7E 98K0F7N 49K0G7E	200 W (ERP)	0.001 %
12100-12200 kHz	FX	24K0D7D 24K0G7D 24K0G7E 3K00G1D 3K00G7E 3K00H8E 98K0D7D 98K0F7D 98K0F7E 98K0F7N 49K0G7E	200 W (ERP)	0.001 %
13500-13570 kHz	FX	24K0D7D 24K0G7D 24K0G7E 3K00G1D 3K00G7E 3K00H8E 70K0D7D 70K0F7D 70K0F7E 70K0F7N 49K0G7E	200 W (ERP)	0.001 %

Frequency Information

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Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
13870-14990 kHz	FX	24K0D7D 24K0G7D 24K0G7E 3K00G1D 3K00G7E 3K00H8E 98K0D7D 98K0F7D 98K0F7E 98K0F7N 49K0G7E	200 W (ERP)	0.001 %
15010-15100 kHz	FX	24K0D7D 24K0G7D 24K0G7E 3K00G1D 3K00G7E 3K00H8E 90K0D7D 90K0F7D 90K0F7E 90K0F7N 49K0G7E	200 W (ERP)	0.001 %
15800-16000 kHz	FX	49K0G7E 98K0F7N 98K0F7E 98K0F7D 98K0D7D 3K00H8E 3K00G7E 3K00G1D 24K0G7E	200 W (ERP)	0.001 %

Frequency Information

Anchorage (Anchorage), AK - NL 61-17-25; WL 149-41-11

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
15800-16000 kHz	FX	24K0G7D 24K0D7D	200 W (ERP)	0.001 %

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.

Special Conditions:

(3) MITRE must notch out the following:

- 4572.5 kHz (+/- 1.4 kHz)
- 4576.4 kHz (+/- 1.4 kHz)
- 4731.4 kHz (+/- 1.4 kHz)
- 4734.4 kHz (+/- 1.4 kHz)
- 4821 kHz (+/- 1.4 kHz)
- 4902 kHz (+/- 1.4 kHz)
- 4965 kHz (+/- 1.4 kHz)
- 5107 kHz (+/- 1.5 kHz)
- 5108 kHz (+/- 1.4 kHz)
- 5108.5 kHz (+/- 1.5 kHz)
- 5110 kHz (+/- 1.5 kHz)
- 5215.5 kHz (+/- 1.5 kHz)
- 5217 kHz (+/- 1.5 kHz)
- 5221.5 kHz (+/- 1.5 kHz)
- 5223 kHz (+/- 1.5 kHz)
- 5224.5 kHz (+/- 1.5 kHz)
- 5264.5 kHz (+/- 1.5 kHz)
- 5266 kHz (+/- 1.5 kHz)
- 5267.5 kHz (+/- 1.5 kHz)
- 5270.5 kHz (+/- 1.5 kHz)
- 5272 kHz (+/- 1.5 kHz)
- 5418 kHz (+/- 1.5 kHz)
- 5419.5 kHz (+/- 1.5 kHz)
- 5421 kHz (+/- 1.5 kHz)
- 5681.4 kHz (+/- 1.4 kHz)
- 5694.4 kHz (+/- 1.4 kHz)
- 5697.4 kHz (+/- 1.4 kHz)
- 5700.4 kHz (+/- 1.4 kHz)
- 5885 kHz (+/- 1.4 kHz)
- 6502.4 kHz (+/- 1.4 kHz)
- 6517.4 kHz (+/- 1.4 kHz)
- 6710.4 kHz (+/- 1.4 kHz)
- 6743.4 kHz (+/- 1.4 kHz)
- 6961 kHz (+/- 1.5 kHz)
- 7419.5 kHz (+/- 1.4 kHz)
- 7439 kHz (+/- 1.5 kHz)
- 7577 kHz (+/- 1.5 kHz)
- 7617 kHz (+/- 1.5 kHz)
- 7626 kHz (+/- 1.5 kHz)
- 7630.5 kHz (+/- 1.4 kHz)
- 7669.5 kHz (+/- 1.4 kHz)
- 7736 kHz (+/- 1.4 kHz)
- 7743 kHz (+/- 1.4 kHz)
- 7747 kHz (+/- 1.4 kHz)
- 7754.5 kHz (+/- 1.5 kHz)
- 7775 kHz (+/- 1.4 kHz)
- 7793 kHz (+/- 1.4 kHz)
- 7821 kHz (+/- 1.4 kHz)
- 7845 kHz (+/- 1.5 kHz)
- 7884 kHz (+/- 1.5 kHz)
- 7909 kHz (+/- 1.5 kHz)

Special Frequencies (kHz) (+/- 1.4 kHz)

- 8984.4 kHz (+/- 1.4 kHz)
- 9035.4 kHz (+/- 1.4 kHz)
- 9038.4 kHz (+/- 1.4 kHz)
- 9110 kHz (+/- 1.5 kHz)
- 9169 kHz (+/- 1.5 kHz)
- 9291 kHz (+/- 1.5 kHz)
- 9332 kHz (+/- 1.5 kHz)
- 10297.5 kHz (+/- 1.5 kHz)
- 10338.5 kHz (+/- 1.5 kHz)
- 10354.5 kHz (+/- 1.5 kHz)
- 10378 kHz (+/- 1.5 kHz)
- 10540 kHz (+/- 1.4 kHz)
- 10675 kHz (+/- 1.5 kHz)
- 10759 kHz (+/- 1.5 kHz)
- 10774 kHz (+/- 1.4 kHz)
- 10788 kHz (+/- 1.5 kHz)
- 10810 kHz (+/- 1.4 kHz)
- 10891 kHz (+/- 1.4 kHz)
- 10918 kHz (+/- 1.4 kHz)
- 10929.5 kHz (+/- 1.5 kHz)
- 10935.5 kHz (+/- 1.5 kHz)
- 11024 kHz (+/- 1.5 kHz)
- 11045 kHz (+/- 1.5 kHz)
- 11157.5 kHz (+/- 1.5 kHz)
- 11197.4 kHz (+/- 1.4 kHz)
- 11200.4 kHz (+/- 1.4 kHz)
- 11203.4 kHz (+/- 1.4 kHz)
- 14428.5 kHz (+/- 1.4 kHz)
- 14461 kHz (+/- 1.4 kHz)
- 15083.4 kHz (+/- 1.4 kHz)
- 15086.4 kHz (+/- 1.4 kHz)
- 15089.4 kHz (+/- 1.4 kHz)

- (4) Operation is not permitted using the frequency bands below:
 5.9-6.2MHz , 7.2-7.45Mhz, 9.4-9.9MHz , 11.6-12.1MHz, 13.57-13.87MHz,
 15.1-15.8MHz, 17.48-17.9MHz, 18.9-19.02MHz, 21.45-21.85MHz,
 25.67-26.1MHz.
- (5) 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.