

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

EXPERIMENTAL

(Nature of Service)

XD FX

(Class of Station)

WH2XCI

(Call Sign)

0043-EX-CR-2016

(File Number)

NAME The MITRE Corporation

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) Bedford (MIDDLESEX), MA - NL 42-30-11; WL 71-14-14
- (2) Worcester (WORCESTER), MA - NL 42-16-20; WL 71-48-38
- (3) Worcester (WORCESTER), MA - NL 42-16-29; WL 71-47-55
- (4) Oneida (ONEIDA), NY - NL 43-01-56; WL 75-39-10
- (5) Rome (ONEIDA), NY - NL 43-13-21; WL 75-24-33
- (6) Bedford (MIDDLESEX), MA - NL 42-30-11; WL 71-14-13
- (7) Worcester (WORCESTER), MA - NL 42-16-20; WL 71-48-37
- (8) Worcester (WORCESTER), MA - NL 42-16-29; WL 71-47-54
- (9) Oneida (ONEIDA), NY - NL 43-01-55; WL 75-39-10
- (10) Rome (ONEIDA), NY - NL 43-13-21; WL 75-24-32

Frequency Information

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

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
2505-4100 kHz	FX	1M00Q3N 1M00W7D 1M00D7D	24 W (ERP)	
4210-4995 kHz	FX	500KQ3N	24.1 W (ERP)	

This authorization effective October 01, 2016 and
will expire 3:00 A.M. EST October 01, 2018

**FEDERAL
COMMUNICATIONS
COMMISSION**



Frequency Information

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

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
4210-4995 kHz	FX	500KW7D 500KD7D	24.1 W (ERP)	
5005-6210 kHz	FX	500KQ3N 500KW7D 500KD7D	24.1 W (ERP)	
6320-8250 kHz	FX	1M00Q3N 1M00W7D 1M00D7D	122 W (ERP)	
8450-9995 kHz	FX	1M00Q3N 1M00W7D 1M00D7D	122 W (ERP)	
10005-12200 kHz	FX	1M00Q3N 1M00W7D 1M00D7D	122 W (ERP)	
13500-14990 kHz	FX	500KQ3N 500KW7D 500KD7D	122 W (ERP)	
15010-16000 kHz	FX	500KQ3N 500KW7D 500KD7D	122 W (ERP)	

Frequency Information

Worcester (WORCESTER), MA - NL 42-16-20; WL 71-48-38

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
2505-4100 kHz	FX	1M00Q3N 1M00W7D 1M00D7D	24 W (ERP)	
4210-4995 kHz	FX	500KQ3N 500KW7D 500KD7D	24 W (ERP)	
5005-6210 kHz	FX	500KQ3N 500KW7D 500KD7D	24 W (ERP)	
6320-8250 kHz	FX	1M00Q3N 1M00W7D 1M00D7D	122 W (ERP)	
8450-9995 kHz	FX	1M00Q3N 1M00W7D 1M00D7D	122 W (ERP)	
10005-12200 kHz	FX	1M00D7D 1M00W7D 1M00Q3N	122 W (ERP)	
13500-14990 kHz	FX	500KQ3N 500KW7D	122 W (ERP)	

Frequency Information

Worcester (WORCESTER), MA - NL 42-16-20; WL 71-48-38

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
13500-14990 kHz	FX	500KD7D	122 W (ERP)	
15010-16000 kHz	FX	500KQ3N 500KW7D 500KD7D	122 W (ERP)	

Worcester (WORCESTER), MA - NL 42-16-29; WL 71-47-55

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
2505-4100 kHz	FX	1M00Q3N 1M00W7D 1M00D7D	24 W (ERP)	
4210-4995 kHz	FX	500KQ3N 500KW7D 500KD7D	24 W (ERP)	
5005-6210 kHz	FX	500KQ3N 500KW7D 500KD7D	24 W (ERP)	
6320-8250 kHz	FX	1M00Q3N 1M00W7D 1M00D7D	122 W (ERP)	

Frequency Information

Worcester (WORCESTER), MA - NL 42-16-29; WL 71-47-55

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
8450-9995 kHz	FX	1M00Q3N 1M00W7D 1M00D7D	122 W (ERP)	
10005-12200 kHz	FX	1M00Q3N 1M00W7D 1M00D7D	122 W (ERP)	
13500-14990 kHz	FX	500KQ3N 500KW7D 500KD7D	122 W (ERP)	
15010-16000 kHz	FX	500KQ3N 500KW7D 500KD7D	122 W (ERP)	

Oneida (ONEIDA), NY - NL 43-01-56; WL 75-39-10

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
2505-4100 kHz	FX	1M00Q3N 1M00W7D 1M00D7D	24 W (ERP)	
4210-4995 kHz	FX	500KQ3N 500KW7D	24 W (ERP)	

Frequency Information

Oneida (ONEIDA), NY - NL 43-01-56; WL 75-39-10

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
4210-4995 kHz	FX	500KD7D	24 W (ERP)	
5005-6210 kHz	FX	500KD7D 500KW7D 500KQ3N	24 W (ERP)	
6320-8250 kHz	FX	1M00Q3N 1M00W7D 1M00D7D	122 W (ERP)	
8450-9995 kHz	FX	1M00Q3N 1M00W7D 1M00D7D	122 W (ERP)	
10005-12200 kHz	FX	1M00D7D 1M00W7D 1M00Q3N	122 W (ERP)	
13500-14990 kHz	FX	500KQ3N 500KW7D 500KD7D	122 W (ERP)	
15010-16000 kHz	FX	500KD7D 500KW7D 500KQ3N	122 W (ERP)	

Frequency Information

Rome (ONEIDA), NY - NL 43-13-21; WL 75-24-33

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
2505-4100 kHz	FX	1M00Q3N 1M00W7D 1M00D7D	24 W (ERP)	
4210-4995 kHz	FX	500KQ3N 500KW7D 500KD7D	24 W (ERP)	
5005-6210 kHz	FX	500KD7D 500KW7D 500KQ3N	24 W (ERP)	
6320-8250 kHz	FX	1M00Q3N 1M00W7D 1M00D7D	122 W (ERP)	
8450-9995 kHz	FX	1M00Q3N 1M00W7D 1M00D7D	122 W (ERP)	
10005-12200 kHz	FX	1M00Q3N 1M00W7D 1M00D7D	122 W (ERP)	
13500-14990 kHz	FX	500KQ3N 500KW7D	122 W (ERP)	

Frequency Information

Rome (ONEIDA), NY - NL 43-13-21; WL 75-24-33

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
13500-14990 kHz	FX	500KD7D	122 W (ERP)	
15010-16000 kHz	FX	500KD7D 500KW7D 500KQ3N	122 W (ERP)	

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

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
2505-4100 kHz	FX	5K00Q3N	6 W (ERP)	
4210-4995 kHz	FX	5K00Q3N	6 W (ERP)	
5005-6210 kHz	FX	5K00Q3N	6 W (ERP)	
6320-8250 kHz	FX	5K00Q3N	6 W (ERP)	
8450-9995 kHz	FX	5K00Q3N	6 W (ERP)	
10005-12200 kHz	FX	5K00Q3N	6 W (ERP)	

Frequency Information

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

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
13500-14990 kHz	FX	5K00Q3N	6 W (ERP)	
15600-16000 kHz	FX	5K00Q3N	6 W (ERP)	

Worcester (WORCESTER), MA - NL 42-16-20; WL 71-48-37

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
2505-4100 kHz	FX	5K00Q3N	6 W (ERP)	
4210-4995 kHz	FX	5K00Q3N	6 W (ERP)	
5005-6210 kHz	FX	5K00Q3N	6 W (ERP)	
6320-8250 kHz	FX	5K00Q3N	6 W (ERP)	
8450-9995 kHz	FX	5K00Q3N	6 W (ERP)	
10005-12200 kHz	FX	5K00Q3N	6 W (ERP)	
13500-14990 kHz	FX	5K00Q3N	6 W (ERP)	

Frequency Information

Worcester (WORCESTER), MA - NL 42-16-20; WL 71-48-37

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
15600-16000 kHz	FX	5K00Q3N	6 W (ERP)	

Worcester (WORCESTER), MA - NL 42-16-29; WL 71-47-54

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
2505-4100 kHz	FX	5K00Q3N	6 W (ERP)	
4210-4995 kHz	FX	5K00Q3N	6 W (ERP)	
5005-6210 kHz	FX	5K00Q3N	6 W (ERP)	
6320-8250 kHz	FX	5K00Q3N	6 W (ERP)	
8450-9995 kHz	FX	5K00Q3N	6 W (ERP)	
10005-12200 kHz	FX	5K00Q3N	6 W (ERP)	
13500-14990 kHz	FX	5K00Q3N	6 W (ERP)	
15600-16000 kHz	FX	5K00Q3N	6 W (ERP)	

Frequency Information

Oneida (ONEIDA), NY - NL 43-01-55; WL 75-39-10

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
2505-4100 kHz	FX	5K00Q3N	6 W (ERP)	
4210-4995 kHz	FX	5K00Q3N	6 W (ERP)	
5005-6210 kHz	FX	5K00Q3N	6 W (ERP)	
6320-8250 kHz	FX	5K00Q3N	6 W (ERP)	
8450-9995 kHz	FX	5K00Q3N	6 W (ERP)	
10005-12200 kHz	FX	5K00Q3N	6 W (ERP)	
13500-14990 kHz	FX	5K00Q3N	6 W (ERP)	
15600-16000 kHz	FX	5K00Q3N	6 W (ERP)	

Rome (ONEIDA), NY - NL 43-13-21; WL 75-24-32

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
2505-4100 kHz	FX	5K00Q3N	6 W (ERP)	

Frequency Information

Rome (ONEIDA), NY - NL 43-13-21; WL 75-24-32

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
4210-4995 kHz	FX	5K00Q3N	6 W (ERP)	
5005-6210 kHz	FX	5K00Q3N	6 W (ERP)	
6320-8250 kHz	FX	5K00Q3N	6 W (ERP)	
8450-9995 kHz	FX	5K00Q3N	6 W (ERP)	
10005-12200 kHz	FX	5K00Q3N	6 W (ERP)	
13500-14990 kHz	FX	5K00Q3N	6 W (ERP)	
15600-16000 kHz	FX	5K00Q3N	6 W (ERP)	

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.