

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

EXPERIMENTAL

(Nature of Service)

XD FX

(Class of Station)

WH2XZW

(Call Sign)

0434-EX-CR-2017

(File Number)

NAME Raytheon IDS

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) Tewksbury (MIDDLESEX), MA - NL 42-38-16; WL 71-14-43
- (2) Pelham (HILLSBOROUGH), NH - NL 42-44-14; WL 71-21-16
- (3) Sudbury (MIDDLESEX), MA - NL 42-21-57; WL 71-25-56
- (4) Woburn (MIDDLESEX), MA - NL 42-31-21; WL 71-08-21

Frequency Information

Tewksbury (MIDDLESEX), MA - NL 42-38-16; WL 71-14-43

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
9.2-10.5 GHz	FX		475.6 kW (ERP)	
		130MQ3N		
		72M4Q3N		
		12M0Q3N		
		5M50Q3N		
		72M4Q1N		
		24M0Q1N		
		200KP0N		
		8M40P0N		
		80M0P0N		

This authorization effective November 01, 2017 and
will expire 3:00 A.M. EST November 01, 2019

**FEDERAL
COMMUNICATIONS
COMMISSION**



Frequency Information

Pelham (HILLSBOROUGH), NH - NL 42-44-14; WL 71-21-16

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
9.2-10.5 GHz	FX	130MQ3N	475.6 kW (ERP)	
		72M4Q3N		
		24M0Q3N		
		5M50Q3N		
		72M4Q1N		
		24M0Q1N		
		200KP0N		
		8M40P0N		
		80M0P0N		

Sudbury (MIDDLESEX), MA - NL 42-21-57; WL 71-25-56

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
9.2-10.5 GHz	FX	130MQ3N	475.6 kW (ERP)	
		72M4Q3N		
		24M0Q3N		
		5M50Q3N		
		72M4Q1N		
		24M0Q1N		
		200KP0N		
		8M40P0N		
		80M0P0N		

Woburn (MIDDLESEX), MA - NL 42-31-21; WL 71-08-21

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
9.2-10.5 GHz	FX	130MQ3N	475.6 kW (ERP)	
		72M4Q3N		
		24M0Q3N		

Frequency Information

Woburn (MIDDLESEX), MA - NL 42-31-21; WL 71-08-21

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
9.2-10.5 GHz	FX	5M50Q3N 72M4Q1N 24M0Q1N 200KP0N 8M40P0N 80M0P0N	475.6 kW (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) Per US128 pulsed emissions are prohibited in the 10 - 10.5 GHz band.