

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

EXPERIMENTAL

(Nature of Service)

WK2XPT

(Call Sign)

XD FX MO

(Class of Station)

0931-EX-CN-2019

(File Number)

NAME Liberty Defense Technologies

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) Baltimore, MD - NL 39-17-02; WL 76-37-11; MOBILE: Baltimore, MD, within 1 km, centered around NL 39-17-02; WL 76-37-11
- (2) Lilburn, GA - NL 33-53-07; WL 84-09-45; MOBILE: Lilburn, GA, within 0.3 km, centered around NL 33-53-07; WL 84-09-45
- (3) Madison, WI - NL 43-04-09; WL 89-23-48; MOBILE: Madison, WI, within 0.2 km, centered around NL 43-04-09; WL 89-23-48
- (4) Madison, WI - NL 43-04-34; WL 89-23-59; MOBILE: Madison, WI, within 0.1 km, centered around NL 43-04-34; WL 89-23-59
- (5) Madison, WI - NL 43-04-18; WL 89-23-28; MOBILE: Madison, WI, within 0.1 km, centered around NL 43-04-18; WL 89-23-28
- (6) Madison, WI - NL 43-04-34; WL 89-25-54; MOBILE: Madison, WI, within 0.3 km, centered around NL 43-04-34; WL 89-25-54
- (7) Richmond, VA - NL 37-32-15; WL 77-26-00; MOBILE: Richmond, VA, within 0.05 km, centered around NL 37-32-15; WL 77-26-00
- (8) Richmond, VA - NL 37-32-15; WL 77-25-54; MOBILE: Richmond, VA, within 0.05 km, centered around NL 37-32-15; WL 77-25-54
- (9) Richmond, VA - NL 37-32-16; WL 77-25-57; MOBILE: Richmond, VA, within 0.08 km, centered around NL 37-32-16; WL 77-25-57

This authorization effective March 03, 2020 and
will expire 3:00 A.M. EST March 01, 2022

**FEDERAL
COMMUNICATIONS
COMMISSION**



Frequency Information

Baltimore, MD - NL 39-17-02; WL 76-37-11; MOBILE: Baltimore, MD, within 1 km, centered around NL 39-17-02; WL 76-37-11

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
3100-5030 MHz	FX	800MP0N	0.000074 mW (ERP)	
5150-7250 MHz	FX	800MP0N	0.000074 mW (ERP)	
7750-8025 MHz	FX	275MP0N	0.000074 mW (ERP)	
8400-9200 MHz	FX	800MP0N	0.000074 mW (ERP)	
9996-10600 MHz	FX	604MP0N	0.000074 mW (ERP)	

Lilburn, GA - NL 33-53-07; WL 84-09-45; MOBILE: Lilburn, GA, within 0.3 km, centered around NL 33-53-07; WL 84-09-45

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
3100-10600 MHz	FX	800MP0N	0.000074 mW (ERP)	

Madison, WI - NL 43-04-09; WL 89-23-48; MOBILE: Madison, WI, within 0.2 km, centered around NL 43-04-09; WL 89-23-48

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
3100-10600 MHz	FX	800MP0N	0.000074 mW (ERP)	

Frequency Information

Madison, WI - NL 43-04-34; WL 89-23-59; MOBILE: Madison, WI, within 0.1 km, centered around NL 43-04-34; WL 89-23-59

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
3100-10600 MHz	FX	800MP0N	0.000074 mW (ERP)	

Madison, WI - NL 43-04-18; WL 89-23-28; MOBILE: Madison, WI, within 0.1 km, centered around NL 43-04-18; WL 89-23-28

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
3100-10600 MHz	FX	800MP0N	0.000074 mW (ERP)	

Madison, WI - NL 43-04-34; WL 89-25-54; MOBILE: Madison, WI, within 0.3 km, centered around NL 43-04-34; WL 89-25-54

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
3100-10600 MHz	FX	800MP0N	0.000074 mW (ERP)	

Richmond, VA - NL 37-32-15; WL 77-26-00; MOBILE: Richmond, VA, within 0.05 km, centered around NL 37-32-15; WL 77-26-00

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
3100-7250 MHz	FX	800MP0N	0.000074 mW (ERP)	
7750-8025 MHz	FX	275MP0N	0.000074 mW (ERP)	
8400-10600 MHz	FX	800MP0N	0.000074 mW (ERP)	

Frequency Information

Richmond, VA - NL 37-32-15; WL 77-25-54; MOBILE: Richmond, VA, within 0.05 km, centered around NL 37-32-15; WL 77-25-54

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
3100-7250 MHz	FX	800MP0N	0.000074 mW (ERP)	
7750-8025 MHz	FX	275MP0N	0.000074 mW (ERP)	
8400-10600 MHz	FX	800MP0N	0.000074 mW (ERP)	

Richmond, VA - NL 37-32-16; WL 77-25-57; MOBILE: Richmond, VA, within 0.08 km, centered around NL 37-32-16; WL 77-25-57

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
3100-7250 MHz	FX	800MP0N	0.000074 mW (ERP)	
7750-8025 MHz	FX	275MP0N	0.000074 mW (ERP)	
8400-10600 MHz	FX	800MP0N	0.000074 mW (ERP)	

Special Conditions:

- (1) The station identification requirements of Section 5.115 of the Commission's Rules are waived.
- (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) In lieu of frequency tolerance, the occupied bandwidth of the emission shall not extend beyond the band limits set forth above.
- (4) Liberty Defense Technologies must ensure that the equipment meets FCC Part 15 requirements for UltraWideband use.

Special Conditions:

- (5) Each unit will be labeled with the following legend: "For evaluation only; not FCC-approved for sale, marketing or other distribution to the general public." Operation is subject to the conditions that this product not cause harmful interference to other services and that this product accept harmful interference.