

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

EXPERIMENTAL

(Nature of Service)

WL9XDH

(Call Sign)

XT FX

(Class of Station)

0918-EX-ST-2017

(File Number)

NAME F2 Labs

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 perform radiated immunity testing.

Station Locations

- (1) Cleveland (CUYAHOGA), OH - NL 41-32-57; WL 81-27-29
- (2) Cleveland (CUYAHOGA), OH - NL 41-32-57; WL 81-27-29

Frequency Information

Cleveland (CUYAHOGA), OH - NL 41-32-57; WL 81-27-29

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
80-108 MHz	FX	1K00A3N	1.5 W (ERP)	
401-608 MHz	FX	1K00A3N	1.5 W (ERP)	
614-756 MHz	FX	1K00A3N	1.5 W (ERP)	

This authorization effective July 24, 2017 and
will expire 3:00 A.M. EST October 26, 2017

**FEDERAL
COMMUNICATIONS
COMMISSION**



Frequency Information

Cleveland (CUYAHOGA), OH - NL 41-32-57; WL 81-27-29

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
798-960 MHz	FX	1K00A3N	1.5 W (ERP)	

Cleveland (CUYAHOGA), OH - NL 41-32-57; WL 81-27-29

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
1720 MHz	FX	N0N	500 mW (ERP)	
1845 MHz	FX	N0N	500 mW (ERP)	
1970 MHz	FX	N0N	500 mW (ERP)	
2450 MHz	FX	N0N	500 mW (ERP)	
5500 MHz	FX	N0N	500 mW (ERP)	
5785 MHz	FX	N0N	500 mW (ERP)	

Special Conditions:

- (1) Operation in the 1695-1780 MHz, 1915-1920 MHz, 1995-2020 MHz or 2110-2200 MHz band requires consent of local Advanced Wireless Service (AWS) licensee(s) to avoid interference.
- (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) 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.
- (4) Stop Buzzer, Ken Littell at 440-635-7112.
- (5) The applicant must obtain consents from the Advance Wireless Service licensees prior to accessing to 1720 MHz.
- (6) F2 Labs must notch the following frequencies to protect aeronautical flight safety in the area.
412.9375 MHz +/- 12.5 KHz
413.0375 MHz +/- 12.5 KHz
413.1375 MHz +/- 12.5 KHz
- (7) The following frequencies must be notched to protect National Weather Service operations in the area.
415.85 MHz +/- 12.5KHz
410.70 MHz +/- 25KHz
- (8) F2 Lab must notch 406-406.1MHz band to protect safety of life operations. ITU Radio Regulations, Appendix 15 prohibits any possible interference within the 406-406.1 frequency range.
- (9) The following frequencies must be notched to protect EMS and law enforcement communications in the area.

458.350 MHz +/- 6.25 KHz
458.475 MHz +/- 6.25 KHz
458.575 MHz +/- 6.25 KHz
465.225 MHz +/- 6.25 KHz
465.325 MHz +/- 6.25 KHz
465.425 MHz +/- 6.25 KHz
- (10) The applicant must coordinate with the local Society of Broadcast Engineers frequency coordinator prior to operation in 80-108 MHz, 401-608 MHz, 614-756 MHz and 798-960 MHz bands.
- (11) The applicant must obtain consents of the following within 50 miles of the test area:
oAll 700 MHz licensees (698-758 MHz; 775-788 MHz)
oAll Cellular licensees (824-849 MHz/869-894 MHz)
oCommercial Air-Ground licensee (849-851 MHz/894-896 MHz)
oSMR licensees (809-824 MHz/854-869 MHz)
oSMR licensees (896-901 MHz/935-940 MHz)
- (12) The applicant must be notification of the following within 50 miles of the test area:
oNarrowband PCS licensees (901-902 MHz)
oLocation & Monitoring Service licensees (902-928 MHz)
oPaging Service licensees in 152 MHz, 158 MHz, 152 MHz/158 MHz and 454 MHz/459 MHz
oGeneral Aviation Air-Ground Service in 454 MHz/459 MHz