

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

EXPERIMENTAL

(Nature of Service)

XT FX

(Class of Station)

WN9XQI

(Call Sign)

0492-EX-ST-2019

(File Number)

NAME Telensa Limited

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:

Testing smart streetlight control systems and wireless smart city applications.

Station Locations

- (1) Harrisburg, PA - NL 40-15-29; WL 76-54-20
- (2) Harrisburg, PA - NL 40-16-02; WL 76-53-32

Frequency Information

Harrisburg, PA - NL 40-15-29; WL 76-54-20

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
910.5-919.975 MHz	FX	1K10F1D	38.473 mW (ERP)	
2402-2480 MHz	FX	1M18G1D	0.00109 W (ERP)	
2412-2462 MHz	FX	14M0D1D	0.00115 W (ERP)	

This authorization effective May 13, 2019 and
will expire 3:00 A.M. EST November 13, 2019

**FEDERAL
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COMMISSION**



Frequency Information

Harrisburg, PA - NL 40-15-29; WL 76-54-20

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
2412-2462 MHz	FX	18M5D1D	0.00115 W (ERP)	
2422-2452 MHz	FX	14M0D1D 18M5D1D	0.00111 W (ERP)	

Harrisburg, PA - NL 40-16-02; WL 76-53-32

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2422-2452 MHz	FX	14M0D1D 18M5D1D	0.00111 W (ERP)	

Special Conditions:

- (1) All customers participating in the experiment shall be informed that this operation is for experimental purposes only and can be cancelled at any time.
- (2) All transmitting and/or receiving equipment used in the study shall be owned by the licensee.
- (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.

Special Conditions:

- (4) Licensee is required to ensure that trial devices are either rendered inoperable or retrieved by them from trial participants at the conclusion of the trial. Licensee is required to notify trial participants in advance that operation of the trial device is subject to this condition.
- (5) In lieu of frequency tolerance, the occupied bandwidth of the emission shall not extend beyond the band limits set forth above.
- (6) The applicant must obtain consent from the following within 50 miles of the contours of the testing area:
 - Location & Monitoring Service licensees (902-928 MHz)