

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

EXPERIMENTAL

(Nature of Service)

XT FX

(Class of Station)

WS9XBC

(Call Sign)

0633-EX-ST-2021

(File Number)

NAME Sciencel Solutions

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 new Wi-Fi6e equipment in an outdoor environment.

Station Locations

- (1) Aurora (DU PAGE), IL - NL 41-47-48; WL 88-14-19
- (2) Twinsburg, OH - NL 41-17-24; WL 81-26-15
- (3) Secaucus (HUDSON), NJ - NL 40-46-25; WL 74-05-02
- (4) Plano (COLLIN), TX - NL 33-00-52; WL 96-40-53
- (5) MIDDLEFIELD (GEAUGA), OH - NL 41-25-45; WL 81-04-54
- (6) Sandy Lake (MERCER), PA - NL 41-21-22; WL 80-01-29
- (7) Houston (HARRIS), TX - NL 29-55-03; WL 95-37-18

Frequency Information

Aurora (DU PAGE), IL - NL 41-47-48; WL 88-14-19

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
5.925-7.125 GHz	FX	10M0H2D	0.6095 W (Output Power)	

This authorization effective May 17, 2021 and
will expire 3:00 A.M. EST October 16, 2021

**FEDERAL
COMMUNICATIONS
COMMISSION**



Frequency Information

Twinsburg, OH - NL 41-17-24; WL 81-26-15

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
5.925-7.125 GHz	FX	10M0H2D	0.6095 W (Output Power)	

Secaucus (HUDSON), NJ - NL 40-46-25; WL 74-05-02

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
5.925-7.125 GHz	FX	10M0H2D	0.6095 W (Output Power)	

Plano (COLLIN), TX - NL 33-00-52; WL 96-40-53

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
5.925-7.125 GHz	FX	10M0H2D	0.6095 W (Output Power)	

MIDDLEFIELD (GEAUGA), OH - NL 41-25-45; WL 81-04-54

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
5.925-7.125 GHz	FX	10M0H2D	0.6095 W (Output Power)	

Frequency Information

Sandy Lake (MERCER), PA - NL 41-21-22; WL 80-01-29

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
5.925-7.125 GHz	FX	10M0H2D	0.6095 W (Output Power)	

Houston (HARRIS), TX - NL 29-55-03; WL 95-37-18

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
5.925-7.125 GHz	FX	10M0H2D	0.6095 W (Output Power)	

Special Conditions:

- (1) Licensee is required to coordinate operations with existing microwave users in the area 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.
- (3) Operation is subject to prior coordination with the local Society of Broadcast Engineers, Inc. (SBE) frequency coordinator. Consult the list at <http://sbe.org/wp-content/uploads/freqcoor.pdf> to find the appropriate coordinator.
- (4) Scientel Solutions shall not operate in the U-NII-6 (6.425-6.525 GHz) and U-NII-8 (6.875-7.125 GHz) bands for outdoor testing.
- (5) For operation in the U-NII-5 (5.925-6.425 GHz) and U-NII-7 (6.525-6.875 GHz) bands to conduct outdoor tests, the maximum output power from the outdoor "Client Connected to Standard-Power Access Point" must not exceed 0.6095 watt (ERP) (27.85 dBm) and the maximum EIRP must not exceed 30 dBm (1 W). In addition, the maximum power spectral density shall not exceed 17 dBm in any 1 megahertz band.
- (6) For operation in the 5925-6425 MHz and 6.525-6.875 GHz frequency bands, the radiated power from outdoor "Client Connected to Standard-Power Access Point" must not exceed 21 dBm EIRP at angles of more than 30 degrees above the horizon to protect satellite receivers.