

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

EXPERIMENTAL
(Nature of Service)

WI2XQK
(Call Sign)

XT FX MO
(Class of Station)

0184-EX-CM-2017
(File Number)

NAME Sunesys Enterprise LLC

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) Pittsburgh (ALLEGHENY), PA - NL 40-26-37; WL 79-56-41; MOBILE: , within 30 km, centered around NL 40-26-37; WL 79-56-41

Frequency Information

Pittsburgh (ALLEGHENY), PA - NL 40-26-37; WL 79-56-41; MOBILE: , within 30 km, centered around NL 40-26-37; WL 79-56

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
3550-3700 MHz	FX	20M0W7W 40M0W7W	30.5 W (ERP)	0.001 %
3550-3700 MHz	MO	20M0W7W 40M0W7W	5 W (ERP)	0.001 %
3550-3700 MHz	MO	20M0W7W 40M0W7W	100 mW (ERP)	0.001 %

This authorization effective August 29, 2017 and will expire 3:00 A.M. EST February 01, 2019

**FEDERAL
COMMUNICATIONS
COMMISSION**



Special Conditions:

- (1) In lieu of frequency tolerance, the occupied bandwidth of the emission shall not extend beyond the band limits set forth above.
- (2) The station identification requirements of Section 5.115 of the Commission's Rules are waived.
- (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) At least 5 business days prior to operating, Sunesys Enterprise LLC, must notify licensees of earth stations operating adjacent band above 3700 MHz within 25 kilometers of the locations from which experimental operations will occur. Sunesys Enterprise LLC, must also provide such notification to the National Spectrum Managers Association frequency coordinators by email. (see http://wireless.fcc.gov/services/index.htm?job=licensing_1&id=microwave). The notice must include the name and contact information of the stop buzzer personnel that will be available to cease operations in the event of reported interference. The notification should include the testing parameters (specific location(s), antenna gain(s), antenna pattern, antenna height(s), antenna orientation, eirp density) and day and times of each test. Consult the IBFS database to identify licensed earth station above 3700 MHz band.
- (5) All of the experimental devices will be under the control of Sunesys Enterprise LLC.
- (6) Stop buzzer contact is Don Snyder, Sunesys Enterprise LLC at office (724) 416-2470, mobile (412) 715- 8249 and email: don.snyder@crowncastle.com.
- (7) Licensee shall maintain operation separation from the grandfathered earth stations as defined in Part 90, Sub-part Z, or coordinate and agreement with the grandfathered earth station licensees prior to accessing to 3650-3700 MHz.
- (8) Licensee shall ensure that the operation will not cause harmful interference to any existing registered stations in the 3650-3700 MHz band, and notify the registered users in the proposed area.