

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

EXPERIMENTAL

(Nature of Service)

XR FX

(Class of Station)

WK2XAG

(Call Sign)

0973-EX-CN-2018

(File Number)

NAME Santa Clara

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(d) of the Commission's Rules

Station Locations

(1) Santa Clara (SANTA CLARA), CA - NL 37-21-22; WL 121-56-03

Frequency Information

Santa Clara (SANTA CLARA), CA - NL 37-21-22; WL 121-56-03

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
5785 MHz	FX	100MG1D	18197 W (ERP)	0.0005 %

Special Conditions:

- (1) 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.
- (2) The occupied bandwidth of the emission shall not extend beyond the band limits set forth above.
- (3) Stop Buzzer: Christopher Kitts, Robotic Systems Laboratory Director
Phone: (408) 554-4382
email: ckitts@scu.edu
- (4) Experimental station shall use the minimum power level necessary to establish communications links to minimize potential interference to licensed users.
- (5) This authorization is without prejudice to any determination that the Commission may make regarding pending or future experimental satellite earth station applications.

This authorization effective November 06, 2019 and
will expire 3:00 A.M. EST November 01, 2021

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Special Conditions:

(6) Point of Communication: Hera Systems' 1HOPSAT-1 spacecraft