

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

EXPERIMENTAL
(Nature of Service)

W12XMG
(Call Sign)

XD FX
(Class of Station)

0484-EX-PL-2016
(File Number)

NAME Mathew Kayalackakom

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) EL DORADO HILLS (EL DORADO), CA - NL 38-42-52; WL 121-04-29

Frequency Information

EL DORADO HILLS (EL DORADO), CA - NL 38-42-52; WL 121-04-29

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
902-928 MHz	FX	3M00M7D	1 W (ERP)	2.5E-6 %
2400-2500 MHz	FX	22M0M7D	1 W (ERP)	2.5E-6 %
5100-5850 MHz	FX	20M0M7D	1 W (ERP)	2.5E-6 %

Special Conditions:

- (1) Subject to prior coordination with FAA Western Regional Office, P.O. Box 92007, Worldway Center, Los Angeles, California 90009, Attn: Frequency Management Office. Phone 310-297-1872.
- (2) In lieu of frequency tolerance, the occupied bandwidth of the emission shall not extend beyond the band limits set forth above.

This authorization effective September 29, 2016 and
will expire 3:00 A.M. EST October 01, 2017

**FEDERAL
COMMUNICATIONS
COMMISSION**



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) Operation is subject to prior coordination with the local Society of Broadcast Engineers, Inc. (SBE) frequency coordinator. Consult the list at http://freq.sbe.org/pdf_files/coordinators.pdf to find the appropriate coordinator.
- (5) Operation is subject to prior coordination with the local SBE frequency coordinator prior to operation in 2400-2500 MHz band.
- (6) Operation is subject to prior coordination with the fixed microwave licensees prior to operation in 2400-2500 MHz band within 10 miles of test area.
- (7) Operations of all transmitters are confined to operate inside a Faraday cage with the door closed.
- (8) Operation is subject to notification of the Location & Monitoring Service licensees (902-928 MHz) within 50 miles of the test area